284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**GB1**								
Q1939-01	GB1	SOIL	Acetone		5.80	J	3.50	18.4	ug/Kg
Q1939-01	GB1	SOIL	m/p-Xylenes		1.40	J	0.91	7.40	ug/Kg
			Total Voc :		7.20				
Q1939-01	GB1	SOIL	1,2,4-Trimethylbenzene	*	0.85	J	0.47	3.70	ug/Kg
			Total Tics :		0.85				
			Total Concentration:		8.05				
Client ID:	**GB1B**								
Q1939-02	GB1B	SOIL	m/p-Xylenes		1.30	J	1.00	8.10	ug/Kg
			Total Voc :		1.30				
Q1939-02	GB1B	SOIL	1,2,4-Trimethylbenzene	*	1.00	J	0.52	4.10	ug/Kg
			Total Tics :		1.00				
			Total Concentration:		2.30				
Client ID:	**GB2**								
Q1939-03	GB2	SOIL	Methyl Acetate		360	J	140	450	ug/Kg
Q1939-03	GB2	SOIL	Methylcyclohexane		500		81.5	450	ug/Kg
Q1939-03	GB2	SOIL	m/p-Xylenes		120	J	110	900	ug/Kg
			Total Voc :		980				
Q1939-03	GB2	SOIL	Naphthalene, 1-methyl-	*	1200	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Naphthalene, decahydro-	*	1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	1500	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, butyl-	*	1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclopentane, butyl-	*	1300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Heptane, 4-ethyl-	*	1900	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, 1-ethyl-2-methyl	*	2300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Nonane, 3-methyl-	*	1800	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	1H-Indene, 2,3-dihydro-4,7-din	*	1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Heptane, 3-ethyl-2-methyl-	*	5000	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Undecane, 2,6-dimethyl-	*	2400	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Nonane, 2,6-dimethyl-	*	2000	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Dodecane, 2,6,11-trimethyl-	*	1400	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Benzene, 1,2-dichloro-3-methy	*	1500	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, (1-methylbutyl)-	*	1300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	2-Chlorotoluene	*	870	J	60.9	450	ug/Kg
Q1939-03	GB2	SOIL	4-Chlorotoluene	*	500	J	110	450	ug/Kg
Q1939-03	GB2	SOIL	1,2,4-Trimethylbenzene	*	140	J	57.3	450	ug/Kg
Q1939-03	GB2	SOIL	sec-Butylbenzene	*	110	J	59.1	450	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1939-03	GB2	SOIL	Ethyl methacrylate	*	140	J	66.3	450	ug/Kg
			Total Tics :		30500				
			Total Concentration:		31400				
Client ID:	**GB2RE**								
Q1939-03RE	GB2RE	SOIL	Methyl Acetate		340	J	140	450	ug/Kg
Q1939-03RE	GB2RE	SOIL	Methylcyclohexane		480		81.5	450	ug/Kg
			Total Voc :		820				
			Total Concentration:		820				
Client ID:	**GB2B**								
Q1939-04	GB2B	SOIL	Methylcyclohexane		1.20	J	0.74	4.10	ug/Kg
Q1939-04	GB2B	SOIL	Chlorobenzene		1.50	J	0.74	4.10	ug/Kg
Q1939-04	GB2B	SOIL	m/p-Xylenes		2.10	J	1.00	8.10	ug/Kg
Q1939-04	GB2B	SOIL	o-Xylene		0.93	J	0.67	4.10	ug/Kg
Q1939-04	GB2B	SOIL	1,4-Dichlorobenzene		3.80	J	1.30	4.10	ug/Kg
			Total Voc :		9.53				
Q1939-04	GB2B	SOIL	Naphthalene, 2-methyl-	*	8.60	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	4.10	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	*	8.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 2-butenyl-	*	4.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	10.3	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-4,7-din	*	5.20	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-1,2-din	*	5.80	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-1,6-din	*	6.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 1,2-dichloro-3-methy	*	38.8	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	2-Chlorotoluene	*	58.2	J	0.55	4.10	ug/Kg
Q1939-04	GB2B	SOIL	4-Chlorotoluene	*	38.0	J	0.99	4.10	ug/Kg
Q1939-04	GB2B	SOIL	1,2,4-Trimethylbenzene	*	2.00	J	0.52	4.10	ug/Kg
			Total Tics :		191				
			Total Concentration:		200				
Client ID:	**GB3**								
Q1939-05	GB3	SOIL	m/p-Xylenes		1.50	J	1.10	9.10	ug/Kg
			Total Voc :		1.50				
Q1939-05	GB3	SOIL	1,2,4-Trimethylbenzene	*	0.95	J	0.58	4.50	ug/Kg
			Total Tics :		0.95				
			Total Concentration:		2.45				
Client ID:	**GB3B**								
Q1939-06	GB3B	SOIL	Methylcyclohexane		45400		1500	8000	ug/Kg
Q1939-06	GB3B	SOIL	Isopropylbenzene		7200	J	1200	8000	ug/Kg
			Total Voc :		52600				

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Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1939-06	GB3B	SOIL	Naphthalene, decahydro-	*	52900	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	56500	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Hexane, 3-ethyl-	*	60300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Heptane, 2,6-dimethyl-	*	65400	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, ethyl-	*	52300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, butyl-	*	58500	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Heptane, 2,5-dimethyl-	*	57300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	109000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	1-Ethyl-4-methylcyclohexane	*	77200	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, 1-methyl-2-propy	*	91000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	1,4-Methanonaphthalene, 1,4-d	*	87600	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	unknown12.365	*	129000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Nonane, 3-methyl-	*	119000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	4-Octen-3-one	*	50800	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	unknown12.588	*	352000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	n-propylbenzene	*	12200	J	1200	8000	ug/Kg
Q1939-06	GB3B	SOIL	tert-Butylbenzene	*	2200	J	1100	8000	ug/Kg
Q1939-06	GB3B	SOIL	sec-Butylbenzene	*	8000	J	1100	8000	ug/Kg
Q1939-06	GB3B	SOIL	n-Butylbenzene	*	3400	J	2300	8000	ug/Kg
			Total Tics :		1440000				
			Total Concentration:		1500000				

SAMPLE DATA

Raw Data: **VY022132.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	3.70	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	5.80	J	3.50	18.4	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.4	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.70	ug/Kg

Raw Data: **VY022132.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.4	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.70	ug/Kg
179601-23-1	m/p-Xylenes	1.40	J	0.91	7.40	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.2		70 (63) - 130 (155)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (38) - 130 (136)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.707			
540-36-3	1,4-Difluorobenzene	621000	8.609			
3114-55-4	Chlorobenzene-d5	563000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022132.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.85	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	4.10	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

Raw Data: **VY022133.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	J	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		70 (38) - 130 (136)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	319000	7.707			
540-36-3	1,4-Difluorobenzene	597000	8.609			
3114-55-4	Chlorobenzene-d5	540000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022133.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	1.00	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	100	U	100	450	ug/Kg
74-87-3	Chloromethane	100	U	100	450	ug/Kg
75-01-4	Vinyl Chloride	70.7	U	70.7	450	ug/Kg
74-83-9	Bromomethane	95.8	U	95.8	450	ug/Kg
75-00-3	Chloroethane	110	U	110	450	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	450	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	94.9	U	94.9	450	ug/Kg
75-35-4	1,1-Dichloroethene	89.5	U	89.5	450	ug/Kg
67-64-1	Acetone	420	U	420	2200	ug/Kg
75-15-0	Carbon Disulfide	94.9	U	94.9	450	ug/Kg
1634-04-4	Methyl tert-butyl Ether	65.4	U	65.4	450	ug/Kg
79-20-9	Methyl Acetate	360	J	140	450	ug/Kg
75-09-2	Methylene Chloride	320	U	320	900	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77.0	U	77.0	450	ug/Kg
75-34-3	1,1-Dichloroethane	71.6	U	71.6	450	ug/Kg
110-82-7	Cyclohexane	70.7	U	70.7	450	ug/Kg
78-93-3	2-Butanone	590	U	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	86.8	U	86.8	450	ug/Kg
156-59-2	cis-1,2-Dichloroethene	67.1	U	67.1	450	ug/Kg
74-97-5	Bromochloromethane	100	U	100	450	ug/Kg
67-66-3	Chloroform	75.2	U	75.2	450	ug/Kg
71-55-6	1,1,1-Trichloroethane	83.3	U	83.3	450	ug/Kg
108-87-2	Methylcyclohexane	500		81.5	450	ug/Kg
71-43-2	Benzene	70.7	U	70.7	450	ug/Kg
107-06-2	1,2-Dichloroethane	70.7	U	70.7	450	ug/Kg
79-01-6	Trichloroethene	72.5	U	72.5	450	ug/Kg
78-87-5	1,2-Dichloropropane	81.5	U	81.5	450	ug/Kg
75-27-4	Bromodichloromethane	69.8	U	69.8	450	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320	U	320	2200	ug/Kg
108-88-3	Toluene	69.8	U	69.8	450	ug/Kg

Raw Data: **VN086517.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2	U	58.2	450	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	55.5	U	55.5	450	ug/Kg
79-00-5	1,1,2-Trichloroethane	82.4	U	82.4	450	ug/Kg
591-78-6	2-Hexanone	330	U	330	2200	ug/Kg
124-48-1	Dibromochloromethane	77.9	U	77.9	450	ug/Kg
106-93-4	1,2-Dibromoethane	78.8	U	78.8	450	ug/Kg
127-18-4	Tetrachloroethene	94.0	U	94.0	450	ug/Kg
108-90-7	Chlorobenzene	81.5	U	81.5	450	ug/Kg
100-41-4	Ethyl Benzene	60.0	U	60.0	450	ug/Kg
179601-23-1	m/p-Xylenes	120	J	110	900	ug/Kg
95-47-6	o-Xylene	73.4	U	73.4	450	ug/Kg
100-42-5	Styrene	63.6	U	63.6	450	ug/Kg
75-25-2	Bromoform	77.0	U	77.0	450	ug/Kg
98-82-8	Isopropylbenzene	69.8	U	69.8	450	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	450	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	280	U	280	450	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		70 (70) - 130 (134)	114%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (38) - 130 (136)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	8.218			
540-36-3	1,4-Difluorobenzene	276000	9.094			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
97-63-2	Ethyl methacrylate	140	J		10.9	ug/Kg
004923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	2300	J		12.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	1800	J		12.5	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	5000	J		12.6	ug/Kg
002216-32-2	Heptane, 4-ethyl-	1900	J		12.7	ug/Kg
002040-95-1	Cyclopentane, butyl-	1300	J		13.0	ug/Kg
95-49-8	2-Chlorotoluene	870	J		13.1	ug/Kg
106-43-4	4-Chlorotoluene	500	J		13.2	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	2000	J		13.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	140	J		13.5	ug/Kg
135-98-8	sec-Butylbenzene	110	J		13.6	ug/Kg
001678-93-9	Cyclohexane, butyl-	1700	J		13.7	ug/Kg
000091-17-8	Naphthalene, decahydro-	1700	J		14.1	ug/Kg
061208-94-4	Cyclohexane, (1-methylbutyl)-	1300	J		14.6	ug/Kg
032768-54-0	Benzene, 1,2-dichloro-3-methyl-	1500	J		14.8	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	1500	J		15.0	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	2400	J		15.1	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	1700	J		15.9	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	1400	J		16.6	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	1200	J		16.8	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN086558.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	100	U	100	450	ug/Kg
74-87-3	Chloromethane	100	U	100	450	ug/Kg
75-01-4	Vinyl Chloride	70.7	U	70.7	450	ug/Kg
74-83-9	Bromomethane	95.8	U	95.8	450	ug/Kg
75-00-3	Chloroethane	110	U	110	450	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	450	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	94.9	U	94.9	450	ug/Kg
75-35-4	1,1-Dichloroethene	89.5	U	89.5	450	ug/Kg
67-64-1	Acetone	420	U	420	2200	ug/Kg
75-15-0	Carbon Disulfide	94.9	U	94.9	450	ug/Kg
1634-04-4	Methyl tert-butyl Ether	65.4	U	65.4	450	ug/Kg
79-20-9	Methyl Acetate	340	J	140	450	ug/Kg
75-09-2	Methylene Chloride	320	U	320	900	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77.0	U	77.0	450	ug/Kg
75-34-3	1,1-Dichloroethane	71.6	U	71.6	450	ug/Kg
110-82-7	Cyclohexane	70.7	U	70.7	450	ug/Kg
78-93-3	2-Butanone	590	U	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	86.8	U	86.8	450	ug/Kg
156-59-2	cis-1,2-Dichloroethene	67.1	U	67.1	450	ug/Kg
74-97-5	Bromochloromethane	100	U	100	450	ug/Kg
67-66-3	Chloroform	75.2	U	75.2	450	ug/Kg
71-55-6	1,1,1-Trichloroethane	83.3	U	83.3	450	ug/Kg
108-87-2	Methylcyclohexane	480		81.5	450	ug/Kg
71-43-2	Benzene	70.7	U	70.7	450	ug/Kg
107-06-2	1,2-Dichloroethane	70.7	U	70.7	450	ug/Kg
79-01-6	Trichloroethene	72.5	U	72.5	450	ug/Kg
78-87-5	1,2-Dichloropropane	81.5	U	81.5	450	ug/Kg
75-27-4	Bromodichloromethane	69.8	U	69.8	450	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320	U	320	2200	ug/Kg
108-88-3	Toluene	69.8	U	69.8	450	ug/Kg

Raw Data: **VN086558.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2	U	58.2	450	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	55.5	U	55.5	450	ug/Kg
79-00-5	1,1,2-Trichloroethane	82.4	U	82.4	450	ug/Kg
591-78-6	2-Hexanone	330	U	330	2200	ug/Kg
124-48-1	Dibromochloromethane	77.9	U	77.9	450	ug/Kg
106-93-4	1,2-Dibromoethane	78.8	U	78.8	450	ug/Kg
127-18-4	Tetrachloroethene	94.0	U	94.0	450	ug/Kg
108-90-7	Chlorobenzene	81.5	U	81.5	450	ug/Kg
100-41-4	Ethyl Benzene	60.0	U	60.0	450	ug/Kg
179601-23-1	m/p-Xylenes	110	U	110	900	ug/Kg
95-47-6	o-Xylene	73.4	U	73.4	450	ug/Kg
100-42-5	Styrene	63.6	U	63.6	450	ug/Kg
75-25-2	Bromoform	77.0	U	77.0	450	ug/Kg
98-82-8	Isopropylbenzene	69.8	U	69.8	450	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	450	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	280	U	280	450	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		70 (63) - 130 (155)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	62.8		70 (70) - 130 (134)	126%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	8.218			
540-36-3	1,4-Difluorobenzene	300000	9.094			
3114-55-4	Chlorobenzene-d5	290000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VY022134.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	4.10	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
108-87-2	Methylcyclohexane	1.20	J	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	1.50	J	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	2.10	J	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.93	J	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.80	J	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 (38) - 130 (136)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	7.707			
540-36-3	1,4-Difluorobenzene	634000	8.609			
3114-55-4	Chlorobenzene-d5	584000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022134.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-49-8	2-Chlorotoluene	58.2	J		12.7	ug/Kg
106-43-4	4-Chlorotoluene	38.0	J		12.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.00	J		13.0	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.50	J		13.9	ug/Kg
001560-06-1	Benzene, 2-butenyl-	4.50	J		14.0	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	4.10	J		14.2	ug/Kg
032768-54-0	Benzene, 1,2-dichloro-3-methyl-	38.8	J		14.4	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	10.3	J		14.6	ug/Kg
017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	5.80	J		14.9	ug/Kg
017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	6.50	J		15.0	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	5.20	J		15.6	ug/Kg
000091-57-6	Naphthalene, 2-methyl-	8.60	J		16.4	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.50	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.50	ug/Kg
67-64-1	Acetone	4.30	U	4.30	22.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.50	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.50	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.7	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.50	ug/Kg

Raw Data: **VY022135.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.50	J	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.50	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		70 (38) - 130 (136)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	359000	7.707			
540-36-3	1,4-Difluorobenzene	672000	8.61			
3114-55-4	Chlorobenzene-d5	604000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	246000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.95	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN086500.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800	U	1800	8000	ug/Kg
74-87-3	Chloromethane	1800	U	1800	8000	ug/Kg
75-01-4	Vinyl Chloride	1300	U	1300	8000	ug/Kg
74-83-9	Bromomethane	1700	U	1700	8000	ug/Kg
75-00-3	Chloroethane	2000	U	2000	8000	ug/Kg
75-69-4	Trichlorofluoromethane	1900	U	1900	8000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	8000	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	8000	ug/Kg
67-64-1	Acetone	7600	U	7600	40000	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	8000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1200	U	1200	8000	ug/Kg
79-20-9	Methyl Acetate	2500	U	2500	8000	ug/Kg
75-09-2	Methylene Chloride	5600	U	5600	16000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	8000	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	8000	ug/Kg
110-82-7	Cyclohexane	1300	U	1300	8000	ug/Kg
78-93-3	2-Butanone	10500	U	10500	40000	ug/Kg
56-23-5	Carbon Tetrachloride	1600	U	1600	8000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	8000	ug/Kg
74-97-5	Bromochloromethane	1800	U	1800	8000	ug/Kg
67-66-3	Chloroform	1300	U	1300	8000	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	8000	ug/Kg
108-87-2	Methylcyclohexane	45400		1500	8000	ug/Kg
71-43-2	Benzene	1300	U	1300	8000	ug/Kg
107-06-2	1,2-Dichloroethane	1300	U	1300	8000	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	8000	ug/Kg
78-87-5	1,2-Dichloropropane	1500	U	1500	8000	ug/Kg
75-27-4	Bromodichloromethane	1200	U	1200	8000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5700	U	5700	40000	ug/Kg
108-88-3	Toluene	1200	U	1200	8000	ug/Kg

Raw Data: **VN086500.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1000	U	1000	8000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	990	U	990	8000	ug/Kg
79-00-5	1,1,2-Trichloroethane	1500	U	1500	8000	ug/Kg
591-78-6	2-Hexanone	5900	U	5900	40000	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	8000	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	8000	ug/Kg
127-18-4	Tetrachloroethene	1700	U	1700	8000	ug/Kg
108-90-7	Chlorobenzene	1500	U	1500	8000	ug/Kg
100-41-4	Ethyl Benzene	1100	U	1100	8000	ug/Kg
179601-23-1	m/p-Xylenes	2000	U	2000	16000	ug/Kg
95-47-6	o-Xylene	1300	U	1300	8000	ug/Kg
100-42-5	Styrene	1100	U	1100	8000	ug/Kg
75-25-2	Bromoform	1400	U	1400	8000	ug/Kg
98-82-8	Isopropylbenzene	7200	J	1200	8000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900	U	1900	8000	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700	U	2700	8000	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	8000	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	8000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2900	U	2900	8000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	U	4700	8000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5100	U	5100	8000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	59.3		70 (70) - 130 (134)	119%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (74) - 130 (123)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		70 (38) - 130 (136)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.224			
540-36-3	1,4-Difluorobenzene	330000	9.1			
3114-55-4	Chlorobenzene-d5	317000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001072-05-5	Heptane, 2,6-dimethyl-	65400	J		11.2	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	57300	J		11.3	ug/Kg
001678-91-7	Cyclohexane, ethyl-	52300	J		11.4	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	109000	J		11.5	ug/Kg
000619-99-8	Hexane, 3-ethyl-	60300	J		11.6	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	77200	J		12.1	ug/Kg
014129-48-7	4-Octen-3-one	50800	J		12.1	ug/Kg
004926-78-7	unknown12.365	129000	J		12.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	119000	J		12.5	ug/Kg
014676-29-0	unknown12.588	352000	J		12.6	ug/Kg
103-65-1	n-propylbenzene	12200	J		13.0	ug/Kg
004291-79-6	Cyclohexane, 1-methyl-2-propyl-	91000	J		13.2	ug/Kg
98-06-6	tert-Butylbenzene	2200	J		13.4	ug/Kg
135-98-8	sec-Butylbenzene	8000	J		13.6	ug/Kg
001678-93-9	Cyclohexane, butyl-	58500	J		13.7	ug/Kg
104-51-8	n-Butylbenzene	3400	J		14.1	ug/Kg
000091-17-8	Naphthalene, decahydro-	52900	J		14.1	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	56500	J		15.0	ug/Kg
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	87600	J		16.8	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1939-01	GB1	1,2-Dichloroethane-d4	50	59.2	118	70 (63)	130 (155)
		Dibromofluoromethane	50	51.9	104	70 (70)	130 (134)
		Toluene-d8	50	48.3	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.0	90	70 (38)	130 (136)
Q1939-02	GB1B	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101	70 (70)	130 (134)
		Toluene-d8	50	48.7	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.4	89	70 (38)	130 (136)
Q1939-03	GB2	1,2-Dichloroethane-d4	50	48.2	96	70 (63)	130 (155)
		Dibromofluoromethane	50	56.9	114	70 (70)	130 (134)
		Toluene-d8	50	52.1	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100	70 (38)	130 (136)
Q1939-03RE	GB2RE	1,2-Dichloroethane-d4	50	47.7	95	70 (63)	130 (155)
		Dibromofluoromethane	50	62.8	126	70 (70)	130 (134)
		Toluene-d8	50	52.1	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.5	103	70 (38)	130 (136)
Q1939-04	GB2B	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.2	92	70 (38)	130 (136)
Q1939-05	GB3	1,2-Dichloroethane-d4	50	53.2	106	70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99	70 (70)	130 (134)
		Toluene-d8	50	48.4	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.6	89	70 (38)	130 (136)
Q1939-06	GB3B	1,2-Dichloroethane-d4	50	46.8	94	70 (63)	130 (155)
		Dibromofluoromethane	50	59.3	119	70 (70)	130 (134)
		Toluene-d8	50	54.9	110	70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.3	113	70 (38)	130 (136)
VN0505MBL01	VN0505MBL01	1,2-Dichloroethane-d4	50	48.4	97	70 (63)	130 (155)
		Dibromofluoromethane	50	60.5	121	70 (70)	130 (134)
		Toluene-d8	50	51.1	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.6	97	70 (38)	130 (136)
VN0505MBS01	VN0505MBS01	1,2-Dichloroethane-d4	50	51.5	103	70 (63)	130 (155)
		Dibromofluoromethane	50	57.3	115	70 (70)	130 (134)
		Toluene-d8	50	50.8	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.3	103	70 (38)	130 (136)
VN0506MBL01	VN0506MBL01	1,2-Dichloroethane-d4	50	46.9	94	70 (63)	130 (155)
		Dibromofluoromethane	50	60.6	121	70 (70)	130 (134)
		Toluene-d8	50	50.7	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.7	97	70 (38)	130 (136)
VN0506MBS01	VN0506MBS01	1,2-Dichloroethane-d4	50	48.6	97	70 (63)	130 (155)
		Dibromofluoromethane	50	57.7	115	70 (70)	130 (134)
		Toluene-d8	50	50.2	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.2	94	70 (38)	130 (136)
VN0509MBL01	VN0509MBL01	1,2-Dichloroethane-d4	50	48.7	97	70 (63)	130 (155)
		Dibromofluoromethane	50	63.5	127	70 (70)	130 (134)
		Toluene-d8	50	50.6	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (38)	130 (136)
VN0509MBS02	VN0509MBS02	1,2-Dichloroethane-d4	50	47.1	94	70 (63)	130 (155)
		Dibromofluoromethane	50	61.3	123	70 (70)	130 (134)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0509MBS02	VN0509MBS02	Toluene-d8	50	47.0	94	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.6	95	70 (38)	130 (136)
VY0502SBL01	VY0502SBL01	1,2-Dichloroethane-d4	50	49.0	98	70 (63)	130 (155)
		Dibromofluoromethane	50	48.7	97	70 (70)	130 (134)
		Toluene-d8	50	47.0	94	70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.8	113	70 (38)	130 (136)
VY0502SBS01	VY0502SBS01	1,2-Dichloroethane-d4	50	50.9	102	70 (63)	130 (155)
		Dibromofluoromethane	50	49.0	98	70 (70)	130 (134)
		Toluene-d8	50	48.6	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101	70 (38)	130 (136)
VY0502SBSD01	VY0502SBSD01	1,2-Dichloroethane-d4	50	52.0	104	70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101	70 (70)	130 (134)
		Toluene-d8	50	49.7	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.3	103	70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505MBS01	Dichlorodifluoromethane	2000	2200	ug/Kg	110			40 (64)	160 (136)	
	Chloromethane	2000	2000	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	2000	2000	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	2000	2400	ug/Kg	120			40 (58)	160 (141)	
	Chloroethane	2000	1900	ug/Kg	95			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	2100	ug/Kg	105			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	2100	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			70 (79)	130 (121)	
	Acetone	10000	10000	ug/Kg	100			40 (60)	160 (131)	
	Carbon disulfide	2000	1700	ug/Kg	85			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1900	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	2000	1700	ug/Kg	85			70 (69)	130 (149)	
	Methylene Chloride	2000	2000	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	9000	ug/Kg	90			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (80)	130 (127)	
	Chloroform	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	2000	ug/Kg	100			70 (80)	130 (126)	
	Methylcyclohexane	2000	1900	ug/Kg	95			70 (77)	130 (123)	
	Benzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	2000	2100	ug/Kg	105			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	Bromodichloromethane	2000	2100	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9400	ug/Kg	94			40 (70)	160 (135)	
	Toluene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	10000	9500	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	2000	2100	ug/Kg	105			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			70 (80)	130 (125)	
	Tetrachloroethene	2000	2100	ug/Kg	105			70 (83)	130 (125)	
	Chlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	2000	2100	ug/Kg	105			70 (82)	130 (124)	
	m/p-Xylenes	4000	4100	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	2000	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	2000	2000	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506MBS01	Dichlorodifluoromethane	2000	1700	ug/Kg	85			40 (64)	160 (136)	
	Chloromethane	2000	1500	ug/Kg	75			40 (70)	160 (130)	
	Vinyl chloride	2000	1600	ug/Kg	80			70 (72)	130 (129)	
	Bromomethane	2000	2100	ug/Kg	105			40 (58)	160 (141)	
	Chloroethane	2000	1600	ug/Kg	80			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	8700	ug/Kg	87			40 (60)	160 (131)	
	Carbon disulfide	2000	1500	ug/Kg	75			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1700	ug/Kg	85			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1800	ug/Kg	90			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	8000	ug/Kg	80			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1800	ug/Kg	90			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			70 (80)	130 (126)	
	Methylcyclohexane	2000	1700	ug/Kg	85			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1900	ug/Kg	95			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8800	ug/Kg	88			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1700	ug/Kg	85			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	10000	8700	ug/Kg	87			40 (66)	160 (138)	
	Dibromochloromethane	2000	1900	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	2000	ug/Kg	100			70 (83)	130 (125)	
	Chlorobenzene	2000	1900	ug/Kg	95			70 (84)	130 (122)	
	Ethyl Benzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0509MBS02	Dichlorodifluoromethane	2000	1900	ug/Kg	95			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (70)	160 (130)	
	Vinyl chloride	2000	1700	ug/Kg	85			70 (72)	130 (129)	
	Bromomethane	2000	2300	ug/Kg	115			40 (58)	160 (141)	
	Chloroethane	2000	1700	ug/Kg	85			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1800	ug/Kg	90			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	8800	ug/Kg	88			40 (60)	160 (131)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1800	ug/Kg	90			70 (77)	130 (129)	
	Methyl Acetate	2000	1400	ug/Kg	70			70 (69)	130 (149)	
	Methylene Chloride	2000	1900	ug/Kg	95			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	8300	ug/Kg	83			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8800	ug/Kg	88			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	10000	8700	ug/Kg	87			40 (66)	160 (138)	
	Dibromochloromethane	2000	2000	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	1900	ug/Kg	95			70 (83)	130 (125)	
	Chlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1900	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0509MBS02	1,2-Dibromo-3-Chloropropane	2000	1700	ug/Kg	85			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022121.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0502SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			40 (64)	160 (136)	
	Chloromethane	20	18.9	ug/Kg	95			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	21.5	ug/Kg	108			40 (58)	160 (141)	
	Chloroethane	20	19.8	ug/Kg	99			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.7	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			70 (77)	130 (129)	
	Methyl Acetate	20	22.0	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	22.0	ug/Kg	110			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Cyclohexane	20	19.4	ug/Kg	97			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	20.9	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	19.3	ug/Kg	97			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.4	ug/Kg	102			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	21.0	ug/Kg	105			70 (83)	130 (125)	
	Chlorobenzene	20	20.1	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	40.7	ug/Kg	102			70 (83)	130 (124)	
	o-Xylene	20	20.6	ug/Kg	103			70 (83)	130 (123)	
	Styrene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022121.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0502SBS01	1,2-Dibromo-3-Chloropropane	20	20.8	ug/Kg	104			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022122.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0502SBSD01	Dichlorodifluoromethane	20	20.0	ug/Kg	100	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.9	ug/Kg	95	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.0	ug/Kg	95	1		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.6	ug/Kg	98	10		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.4	ug/Kg	102	2		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.5	ug/Kg	103	2		70 (79)	130 (121)	30 (20)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.3	ug/Kg	97	2		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.7	ug/Kg	109	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.5	ug/Kg	113	3		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.5	ug/Kg	113	3		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.8	ug/Kg	104	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.9	ug/Kg	100	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.7	ug/Kg	104	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.3	ug/Kg	106	1		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.0	ug/Kg	95	3		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.9	ug/Kg	100	3		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.9	ug/Kg	104	0		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	19.5	ug/Kg	98	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		40 (70)	160 (135)	30 (20)
	Toluene	20	20.7	ug/Kg	104	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.8	ug/Kg	104	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.7	ug/Kg	104	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.4	ug/Kg	107	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.7	ug/Kg	104	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.5	ug/Kg	103	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.0	ug/Kg	105	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.1	ug/Kg	106	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.9	ug/Kg	104	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.3	ug/Kg	102	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	3		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	3		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102	3		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022122.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0502SBSD01	1,2-Dibromo-3-Chloropropane	20	21.1	ug/Kg	106	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	5		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505MBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086479.D Lab Sample ID: VN0505MBL01

Date Analyzed: 05/05/2025 Time Analyzed: 12:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025
GB3B	Q1939-06	VN086500.D	05/05/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0506MBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086505.D Lab Sample ID: VN0506MBL01

Date Analyzed: 05/06/2025 Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025
GB2	Q1939-03	VN086517.D	05/06/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0509MBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086554.D Lab Sample ID: VN0509MBL01

Date Analyzed: 05/09/2025 Time Analyzed: 11:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0509MBS02	VN0509MBS02	VN086557.D	05/09/2025
GB2RE	Q1939-03RE	VN086558.D	05/09/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0502SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022120.D Lab Sample ID: VY0502SBL01

Date Analyzed: 05/02/2025 Time Analyzed: 11:25

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0502SBS01	VY0502SBS01	VY022121.D	05/02/2025
VY0502SBSD01	VY0502SBSD01	VY022122.D	05/02/2025
GB1	Q1939-01	VY022132.D	05/02/2025
GB1B	Q1939-02	VY022133.D	05/02/2025
GB2B	Q1939-04	VY022134.D	05/02/2025
GB3	Q1939-05	VY022135.D	05/02/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086477.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086478.D	05/05/2025	11:32
VN0505MBL01	VN0505MBL01	VN086479.D	05/05/2025	12:13
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025	17:13
GB3B	Q1939-06	VN086500.D	05/05/2025	20:50

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086503.D BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	71.8 (97.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086504.D	05/06/2025	10:35
VN0506MBL01	VN0506MBL01	VN086505.D	05/06/2025	11:11
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025	15:23
GB2	Q1939-03	VN086517.D	05/06/2025	16:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086552.D BFB Injection Date: 05/09/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:49

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	69.4 (97.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086553.D	05/09/2025	11:00
VN0509MBL01	VN0509MBL01	VN086554.D	05/09/2025	11:34
VN0509MBS02	VN0509MBS02	VN086557.D	05/09/2025	12:57
GB2RE	Q1939-03RE	VN086558.D	05/09/2025	13:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022118.D BFB Injection Date: 05/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 10:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	86.6
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	83 (95.8) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022119.D	05/02/2025	10:56
VY0502SBL01	VY0502SBL01	VY022120.D	05/02/2025	11:25
VY0502SBS01	VY0502SBS01	VY022121.D	05/02/2025	11:53
VY0502SBSD01	VY0502SBSD01	VY022122.D	05/02/2025	12:16
GB1	Q1939-01	VY022132.D	05/02/2025	16:24
GB1B	Q1939-02	VY022133.D	05/02/2025	16:48
GB2B	Q1939-04	VY022134.D	05/02/2025	17:11
GB3	Q1939-05	VY022135.D	05/02/2025	17:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
GB3B	176014	8.22	330285	9.10	317139	11.87
VN0505MBL01	156968	8.22	298822	9.10	277824	11.87
VN0505MBS01	174392	8.22	323563	9.10	294006	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
GB3B	153312	13.79				
VN0505MBL01	117072	13.79				
VN0505MBS01	137470	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	186971	8.22	338775	9.09	314072	11.86
UPPER LIMIT	373942	8.724	677550	9.594	628144	12.359
LOWER LIMIT	93485.5	7.724	169388	8.594	157036	11.359
EPA SAMPLE NO.						
GB2	146112	8.22	275620	9.09	271043	11.87
VN0506MBL01	194854	8.22	360705	9.10	339328	11.87
VN0506MBS01	186931	8.22	334765	9.10	293306	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	155373	13.788				
UPPER LIMIT	310746	14.288				
LOWER LIMIT	77686.5	13.288				
EPA SAMPLE NO.						
GB2	119869	13.79				
VN0506MBL01	141530	13.79				
VN0506MBS01	131486	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086553.D Date Analyzed: 05/09/2025

Instrument ID: MSVOA_N Time Analyzed: 11:00

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	164970	8.22	308838	9.09	288325	11.87
UPPER LIMIT	329940	8.718	617676	9.594	576650	12.365
LOWER LIMIT	82485	7.718	154419	8.594	144163	11.365
EPA SAMPLE NO.						
GB2RE	160486	8.22	300494	9.09	289880	11.87
VN0509MBL01	161578	8.22	304753	9.10	283891	11.87
VN0509MBS02	176403	8.22	314371	9.10	287142	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086553.D Date Analyzed: 05/09/2025

Instrument ID: MSVOA_N Time Analyzed: 11:00

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	145072	13.788				
UPPER LIMIT	290144	14.288				
LOWER LIMIT	72536	13.288				
EPA SAMPLE NO.						
GB2RE	130900	13.79				
VN0509MBL01	123333	13.79				
VN0509MBS02	130698	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022119.D Date Analyzed: 05/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	360455	7.71	570969	8.62	519282	11.41
UPPER LIMIT	720910	8.207	1141940	9.116	1038560	11.914
LOWER LIMIT	180228	7.207	285485	8.116	259641	10.914
EPA SAMPLE NO.						
GB1	327260	7.71	620890	8.61	562816	11.41
GB1B	318938	7.71	597401	8.61	540276	11.41
GB2B	337342	7.71	633879	8.61	583504	11.41
GB3	358545	7.71	672036	8.61	603590	11.41
VY0502SBL01	420631	7.71	766740	8.62	655107	11.41
VY0502SBS01	354744	7.71	565281	8.62	507664	11.41
VY0502SBSD01	344715	7.71	551563	8.62	493162	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022119.D Date Analyzed: 05/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	263357	13.347				
UPPER LIMIT	526714	13.847				
LOWER LIMIT	131679	12.847				
EPA SAMPLE NO.						
GB1	227037	13.35				
GB1B	220532	13.35				
GB2B	245346	13.35				
GB3	245556	13.35				
VY0502SBL01	242655	13.35				
VY0502SBS01	264963	13.35				
VY0502SBSD01	257067	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Raw Data: **VN086479.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	60.5		70 (70) - 130 (134)	121%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	60.6		70 (70) - 130 (134)	121%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.224			
540-36-3	1,4-Difluorobenzene	361000	9.1			
3114-55-4	Chlorobenzene-d5	339000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

Raw Data: **VN086505.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	63.4		70 (70) - 130 (134)	127%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.218			
540-36-3	1,4-Difluorobenzene	305000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Raw Data: **VY022120.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		70 (38) - 130 (136)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	421000	7.707			
540-36-3	1,4-Difluorobenzene	767000	8.616			
3114-55-4	Chlorobenzene-d5	655000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	243000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2200		110	500	ug/Kg
74-87-3	Chloromethane	2000		110	500	ug/Kg
75-01-4	Vinyl Chloride	2000		79.0	500	ug/Kg
74-83-9	Bromomethane	2400		110	500	ug/Kg
75-00-3	Chloroethane	1900		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	2100		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2100		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1900		100	500	ug/Kg
67-64-1	Acetone	10000		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1900		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1700		150	500	ug/Kg
75-09-2	Methylene Chloride	2000		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1900		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	9000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	2000		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2000		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1900		91.0	500	ug/Kg
71-43-2	Benzene	2000		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		79.0	500	ug/Kg
79-01-6	Trichloroethene	2100		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1900		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	2100		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9400		360	2500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg

Raw Data: **VN086491.D**

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	VN0505MBS01		SDG No.:	Q1939	
Lab Sample ID:	VN0505MBS01		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	100	
Sample Wt/Vol:	5 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1900		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1900		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2100		92.0	500	ug/Kg
591-78-6	2-Hexanone	9500		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2100		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	2100		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	2100		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	4100		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	2000		71.0	500	ug/Kg
75-25-2	Bromoform	2000		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1900		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		70 (70) - 130 (134)	115%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.224			
540-36-3	1,4-Difluorobenzene	324000	9.1			
3114-55-4	Chlorobenzene-d5	294000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1700		110	500	ug/Kg
74-87-3	Chloromethane	1500		110	500	ug/Kg
75-01-4	Vinyl Chloride	1600		79.0	500	ug/Kg
74-83-9	Bromomethane	2100		110	500	ug/Kg
75-00-3	Chloroethane	1600		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		100	500	ug/Kg
67-64-1	Acetone	8700		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1500		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1700		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1800		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	8000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1800		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1900		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1700		91.0	500	ug/Kg
71-43-2	Benzene	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1900		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1700		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8800		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1700		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1900		92.0	500	ug/Kg
591-78-6	2-Hexanone	8700		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	2000		110	500	ug/Kg
108-90-7	Chlorobenzene	1900		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1900		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		70 (70) - 130 (134)	115%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		70 (38) - 130 (136)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	335000	9.1			
3114-55-4	Chlorobenzene-d5	293000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN086557.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1700		79.0	500	ug/Kg
74-83-9	Bromomethane	2300		110	500	ug/Kg
75-00-3	Chloroethane	1700		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1800		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		100	500	ug/Kg
67-64-1	Acetone	8800		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1800		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1400		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	8300		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8800		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

Raw Data: **VN086557.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1900		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2000		92.0	500	ug/Kg
591-78-6	2-Hexanone	8700		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1900		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1700		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1900		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	61.3		70 (70) - 130 (134)	123%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (38) - 130 (136)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.224			
540-36-3	1,4-Difluorobenzene	314000	9.1			
3114-55-4	Chlorobenzene-d5	287000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.3		0.91	5.00	ug/Kg
71-43-2	Benzene	19.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY022121.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	355000	7.707			
540-36-3	1,4-Difluorobenzene	565000	8.616			
3114-55-4	Chlorobenzene-d5	508000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	265000	13.346			

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

Raw Data: **VY022122.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	345000	7.707			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	493000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.6
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3
Trichlorofluoromethane	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.9
1,1,2-Trichlorotrifluoroethane	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.9
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8
Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6
Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.1
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3
Bromochloromethane	0.545	0.608	0.436	0.465	0.495	0.506	0.509	12
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8
Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.8
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5
1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.9
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7
Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.9
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1
1,3-Dichlorobenzene	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.7
1,4-Dichlorobenzene	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8
1,2-Dichlorobenzene	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.4
1,2-Dibromo-3-Chloropropane	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.2
1,2,4-Trichlorobenzene	0.822	0.865	0.730	0.793	0.765	0.771	0.791	6
1,2,3-Trichlorobenzene	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.2
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	6
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.536		-9.61	20
Chloromethane	0.861	0.805	0.1	-6.5	20
Vinyl Chloride	0.822	0.759		-7.66	20
Bromomethane	0.370	0.461		24.59	20
Chloroethane	0.550	0.523		-4.91	20
Trichlorofluoromethane	0.911	0.869		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.551	0.537		-2.54	20
1,1-Dichloroethene	0.588	0.557		-5.27	20
Acetone	0.290	0.278		-4.14	20
Carbon Disulfide	1.762	1.533		-13	20
Methyl tert-butyl Ether	2.163	2.360		9.11	20
Methyl Acetate	0.870	0.830		-4.6	20
Methylene Chloride	0.670	0.729		8.81	20
trans-1,2-Dichloroethene	0.615	0.632		2.76	20
1,1-Dichloroethane	1.201	1.259	0.1	4.83	20
Cyclohexane	1.175	0.999		-14.98	20
2-Butanone	0.451	0.469		3.99	20
Carbon Tetrachloride	0.441	0.442		0.23	20
cis-1,2-Dichloroethene	0.764	0.829		8.51	20
Bromochloromethane	0.509	0.533		4.72	20
Chloroform	1.180	1.306		10.68	20
1,1,1-Trichloroethane	1.009	1.049		3.96	20
Methylcyclohexane	0.551	0.492		-10.71	20
Benzene	1.485	1.541		3.77	20
1,2-Dichloroethane	0.474	0.533		12.45	20
Trichloroethene	0.352	0.372		5.68	20
1,2-Dichloropropane	0.364	0.382		4.95	20
Bromodichloromethane	0.500	0.559		11.8	20
4-Methyl-2-Pentanone	0.500	0.527		5.4	20
Toluene	0.927	0.979		5.61	20
t-1,3-Dichloropropene	0.558	0.627		12.37	20
cis-1,3-Dichloropropene	0.613	0.648		5.71	20
1,1,2-Trichloroethane	0.333	0.382		14.72	20
2-Hexanone	0.371	0.388		4.58	20
Dibromochloromethane	0.366	0.426		16.39	20
1,2-Dibromoethane	0.336	0.394		17.26	20
Tetrachloroethene	0.385	0.386		0.26	20
Chlorobenzene	1.116	1.173	0.3	5.11	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.999		-0.75	20
m/p-Xylenes	0.754	0.772		2.39	20
o-Xylene	0.746	0.767		2.82	20
Styrene	1.243	1.334		7.32	20
Bromoform	0.277	0.312	0.1	12.64	20
Isopropylbenzene	4.090	3.762		-8.02	20
1,1,2,2-Tetrachloroethane	1.176	1.187	0.3	0.94	20
1,3-Dichlorobenzene	1.704	1.787		4.87	20
1,4-Dichlorobenzene	1.716	1.810		5.48	20
1,2-Dichlorobenzene	1.652	1.755		6.24	20
1,2-Dibromo-3-Chloropropane	0.237	0.233		-1.69	20
1,2,4-Trichlorobenzene	0.791	0.848		7.21	20
1,2,3-Trichlorobenzene	0.749	0.800		6.81	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.516		-12.98	20
Chloromethane	0.861	0.689	0.1	-19.98	20
Vinyl Chloride	0.822	0.657		-20.07	20
Bromomethane	0.370	0.402		8.65	20
Chloroethane	0.550	0.451		-18	20
Trichlorofluoromethane	0.911	0.858		-5.82	20
1,1,2-Trichlorotrifluoroethane	0.551	0.522		-5.26	20
1,1-Dichloroethene	0.588	0.522		-11.22	20
Acetone	0.290	0.245		-15.52	20
Carbon Disulfide	1.762	1.369		-22.3	20
Methyl tert-butyl Ether	2.163	2.165		0.09	20
Methyl Acetate	0.870	0.727		-16.44	20
Methylene Chloride	0.670	0.662		-1.19	20
trans-1,2-Dichloroethene	0.615	0.591		-3.9	20
1,1-Dichloroethane	1.201	1.115	0.1	-7.16	20
Cyclohexane	1.175	0.920		-21.7	20
2-Butanone	0.451	0.405		-10.2	20
Carbon Tetrachloride	0.441	0.447		1.36	20
cis-1,2-Dichloroethene	0.764	0.771		0.92	20
Bromochloromethane	0.509	0.438		-13.95	20
Chloroform	1.180	1.187		0.59	20
1,1,1-Trichloroethane	1.009	0.973		-3.57	20
Methylcyclohexane	0.551	0.494		-10.35	20
Benzene	1.485	1.462		-1.55	20
1,2-Dichloroethane	0.474	0.511		7.81	20
Trichloroethene	0.352	0.379		7.67	20
1,2-Dichloropropane	0.364	0.360		-1.1	20
Bromodichloromethane	0.500	0.542		8.4	20
4-Methyl-2-Pentanone	0.500	0.480		-4	20
Toluene	0.927	0.953		2.81	20
t-1,3-Dichloropropene	0.558	0.591		5.91	20
cis-1,3-Dichloropropene	0.613	0.628		2.45	20
1,1,2-Trichloroethane	0.333	0.362		8.71	20
2-Hexanone	0.371	0.352		-5.12	20
Dibromochloromethane	0.366	0.419		14.48	20
1,2-Dibromoethane	0.336	0.376		11.9	20
Tetrachloroethene	0.385	0.415		7.79	20
Chlorobenzene	1.116	1.152	0.3	3.23	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.981		-1.64	20
m/p-Xylenes	0.754	0.762		1.06	20
o-Xylene	0.746	0.762		2.14	20
Styrene	1.243	1.312		5.55	20
Bromoform	0.277	0.306	0.1	10.47	20
Isopropylbenzene	4.090	3.729		-8.83	20
1,1,2,2-Tetrachloroethane	1.176	1.085	0.3	-7.74	20
1,3-Dichlorobenzene	1.704	1.774		4.11	20
1,4-Dichlorobenzene	1.716	1.798		4.78	20
1,2-Dichlorobenzene	1.652	1.724		4.36	20
1,2-Dibromo-3-Chloropropane	0.237	0.214		-9.7	20
1,2,4-Trichlorobenzene	0.791	0.816		3.16	20
1,2,3-Trichlorobenzene	0.749	0.767		2.4	20
1,2-Dichloroethane-d4	0.725	0.698		-3.72	20
Dibromofluoromethane	0.232	0.250		7.76	20
Toluene-d8	1.240	1.178		-5	20
4-Bromofluorobenzene	0.452	0.460		1.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/09/2025 11:00

Lab File ID: VN086553.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.554		-6.58	20
Chloromethane	0.861	0.818	0.1	-4.99	20
Vinyl Chloride	0.822	0.720		-12.41	20
Bromomethane	0.370	0.458		23.78	20
Chloroethane	0.550	0.502		-8.73	20
Trichlorofluoromethane	0.911	0.850		-6.7	20
1,1,2-Trichlorotrifluoroethane	0.551	0.499		-9.44	20
1,1-Dichloroethene	0.588	0.531		-9.69	20
Acetone	0.290	0.255		-12.07	20
Carbon Disulfide	1.762	1.520		-13.73	20
Methyl tert-butyl Ether	2.163	2.212		2.27	20
Methyl Acetate	0.870	0.693		-20.34	20
Methylene Chloride	0.670	0.700		4.48	20
trans-1,2-Dichloroethene	0.615	0.619		0.65	20
1,1-Dichloroethane	1.201	1.188	0.1	-1.08	20
Cyclohexane	1.175	0.915		-22.13	20
2-Butanone	0.451	0.421		-6.65	20
Carbon Tetrachloride	0.441	0.427		-3.17	20
cis-1,2-Dichloroethene	0.764	0.788		3.14	20
Bromochloromethane	0.509	0.572		12.38	20
Chloroform	1.180	1.227		3.98	20
1,1,1-Trichloroethane	1.009	0.980		-2.87	20
Methylcyclohexane	0.551	0.458		-16.88	20
Benzene	1.485	1.483		-0.14	20
1,2-Dichloroethane	0.474	0.505		6.54	20
Trichloroethene	0.352	0.355		0.85	20
1,2-Dichloropropane	0.364	0.364		0	20
Bromodichloromethane	0.500	0.535		7	20
4-Methyl-2-Pentanone	0.500	0.476		-4.8	20
Toluene	0.927	0.941		1.51	20
t-1,3-Dichloropropene	0.558	0.593		6.27	20
cis-1,3-Dichloropropene	0.613	0.613		0	20
1,1,2-Trichloroethane	0.333	0.363		9.01	20
2-Hexanone	0.371	0.351		-5.39	20
Dibromochloromethane	0.366	0.411		12.3	20
1,2-Dibromoethane	0.336	0.379		12.8	20
Tetrachloroethene	0.385	0.377		-2.08	20
Chlorobenzene	1.116	1.131	0.3	1.34	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/09/2025 11:00

Lab File ID: VN086553.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.922		-4.57	20
m/p-Xylenes	0.754	0.750		-0.53	20
o-Xylene	0.746	0.750		0.54	20
Styrene	1.243	1.284		3.3	20
Bromoform	0.277	0.292	0.1	5.41	20
Isopropylbenzene	4.090	3.486		-14.77	20
1,1,2,2-Tetrachloroethane	1.176	1.097	0.3	-6.72	20
1,3-Dichlorobenzene	1.704	1.686		-1.06	20
1,4-Dichlorobenzene	1.716	1.692		-1.4	20
1,2-Dichlorobenzene	1.652	1.638		-0.85	20
1,2-Dibromo-3-Chloropropane	0.237	0.205		-13.5	20
1,2,4-Trichlorobenzene	0.791	0.758		-4.17	20
1,2,3-Trichlorobenzene	0.749	0.716		-4.41	20
1,2-Dichloroethane-d4	0.725	0.756		4.28	20
Dibromofluoromethane	0.232	0.299		28.88	20
Toluene-d8	1.240	1.213		-2.18	20
4-Bromofluorobenzene	0.452	0.471		4.2	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date/Time: 05/02/2025 10:56

Lab File ID: VY022119.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.371		-12.91	20
Chloromethane	0.607	0.522	0.1	-14	20
Vinyl Chloride	0.745	0.656		-11.95	20
Bromomethane	0.642	0.557		-13.24	20
Chloroethane	0.508	0.453		-10.83	20
Trichlorofluoromethane	0.983	0.881		-10.38	20
1,1,2-Trichlorotrifluoroethane	0.533	0.498		-6.57	20
1,1-Dichloroethene	0.497	0.477		-4.02	20
Acetone	0.070	0.061		-12.86	20
Carbon Disulfide	1.585	1.399		-11.73	20
Methyl tert-butyl Ether	1.113	1.212		8.9	20
Methyl Acetate	0.216	0.267		23.61	20
Methylene Chloride	0.584	0.557		-4.62	20
trans-1,2-Dichloroethene	0.557	0.540		-3.05	20
1,1-Dichloroethane	0.893	0.872	0.1	-2.35	20
Cyclohexane	0.763	0.697		-8.65	20
2-Butanone	0.105	0.104		-0.95	20
Carbon Tetrachloride	0.530	0.522		-1.51	20
cis-1,2-Dichloroethene	0.622	0.636		2.25	20
Bromochloromethane	0.347	0.340		-2.02	20
Chloroform	0.990	1.003		1.31	20
1,1,1-Trichloroethane	0.896	0.912		1.79	20
Methylcyclohexane	0.558	0.540		-3.23	20
Benzene	1.387	1.341		-3.32	20
1,2-Dichloroethane	0.343	0.350		2.04	20
Trichloroethene	0.384	0.376		-2.08	20
1,2-Dichloropropane	0.307	0.300		-2.28	20
Bromodichloromethane	0.480	0.486		1.25	20
4-Methyl-2-Pentanone	0.160	0.168		5	20
Toluene	0.898	0.899		0.11	20
t-1,3-Dichloropropene	0.411	0.424		3.16	20
cis-1,3-Dichloropropene	0.489	0.493		0.82	20
1,1,2-Trichloroethane	0.256	0.256		0	20
2-Hexanone	0.106	0.112		5.66	20
Dibromochloromethane	0.355	0.359		1.13	20
1,2-Dibromoethane	0.242	0.246		1.65	20
Tetrachloroethene	0.472	0.466		-1.27	20
Chlorobenzene	1.118	1.109	0.3	-0.81	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date/Time: 05/02/2025 10:56

Lab File ID: VY022119.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.829	1.865		1.97	20
m/p-Xylenes	0.728	0.741		1.79	20
o-Xylene	0.671	0.700		4.32	20
Styrene	1.126	1.184		5.15	20
Bromoform	0.229	0.235	0.1	2.62	20
Isopropylbenzene	3.341	3.620		8.35	20
1,1,2,2-Tetrachloroethane	0.563	0.579	0.3	2.84	20
1,3-Dichlorobenzene	1.714	1.718		0.23	20
1,4-Dichlorobenzene	1.698	1.699		0.06	20
1,2-Dichlorobenzene	1.495	1.533		2.54	20
1,2-Dibromo-3-Chloropropane	0.090	0.095		5.56	20
1,2,4-Trichlorobenzene	0.847	0.904		6.73	20
1,2,3-Trichlorobenzene	0.731	0.791		8.21	20
1,2-Dichloroethane-d4	0.462	0.449		-2.81	20
Dibromofluoromethane	0.330	0.313		-5.15	20
Toluene-d8	1.245	1.174		-5.7	20
4-Bromofluorobenzene	0.419	0.412		-1.67	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Time: May 03 02:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

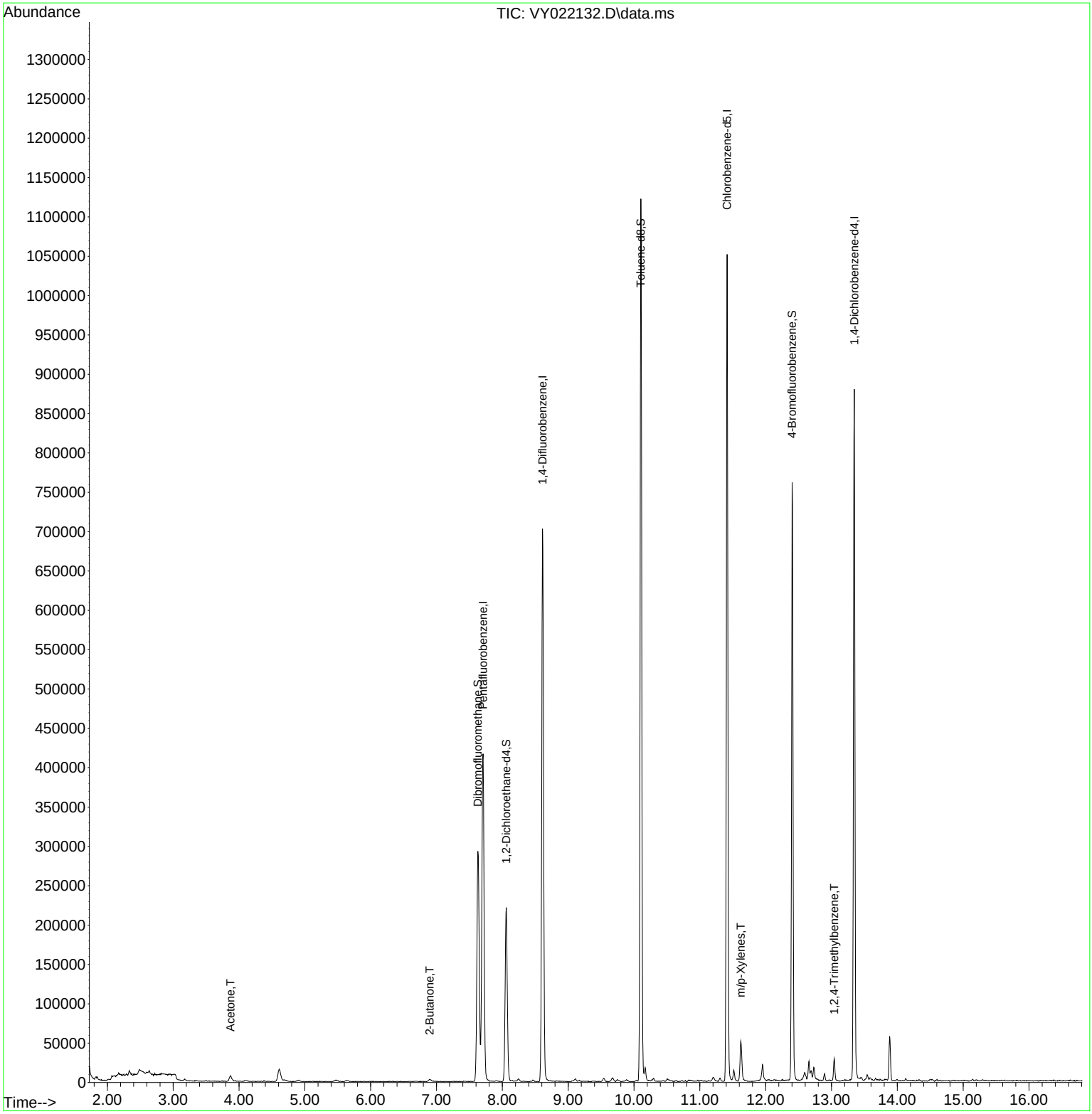
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	327260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	620890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	227037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178830	59.160	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.320%			
35) Dibromofluoromethane	7.628	113	213057	51.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.880%			
50) Toluene-d8	10.103	98	746474	48.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.401	95	234313	45.009	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.020%			
Target Compounds						Qvalue
16) Acetone	3.872	43	11324	7.938	ug/l #	86
25) 2-Butanone	6.896	43	3818	5.541	ug/l	99
68) m/p-Xylenes	11.621	106	15935	1.945	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	14392	1.151	ug/l	100

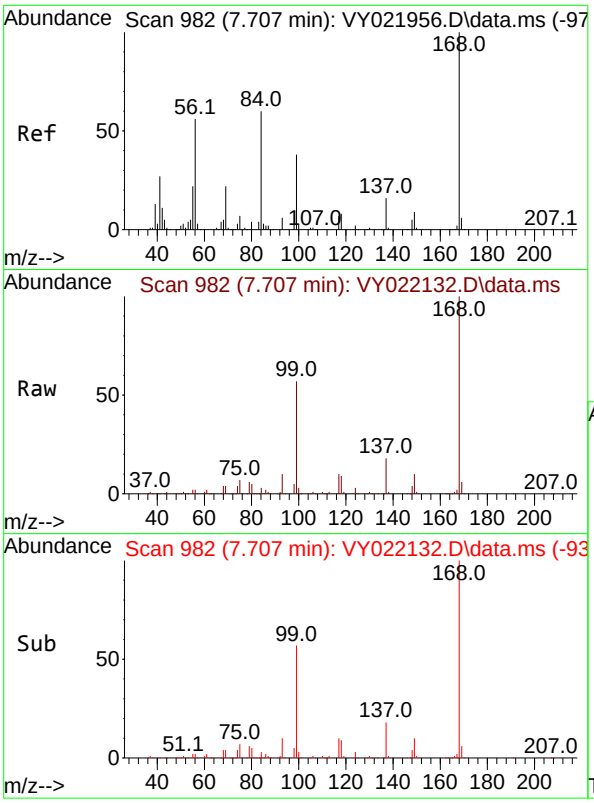
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Time: May 03 02:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



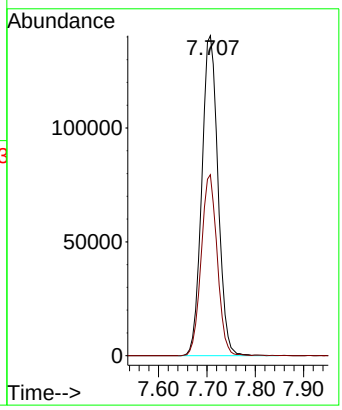


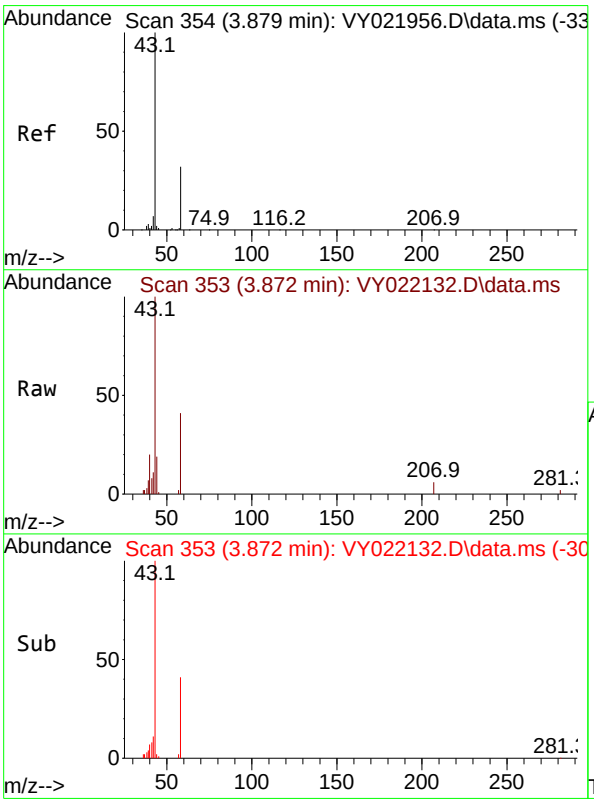
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:168 Resp: 327260

Ion	Ratio	Lower	Upper
168	100		
99	56.5	43.1	64.7

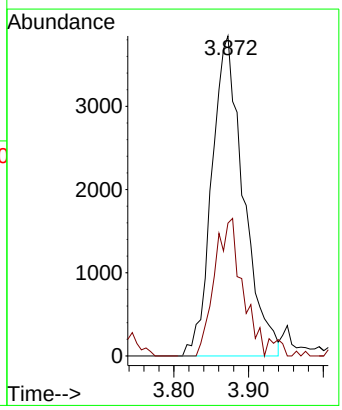


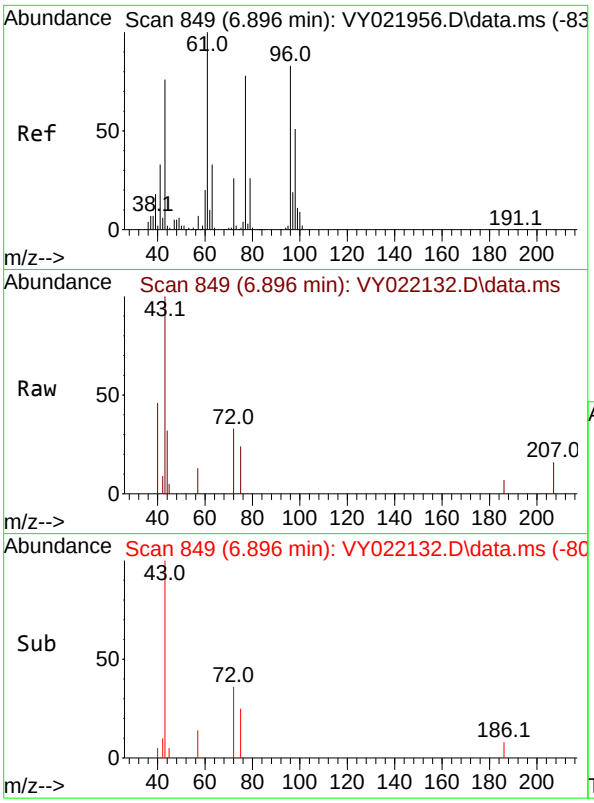


#16
Acetone
Concen: 7.938 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 43 Resp: 11324

Ion	Ratio	Lower	Upper
43	100		
58	41.5	27.0	40.4#



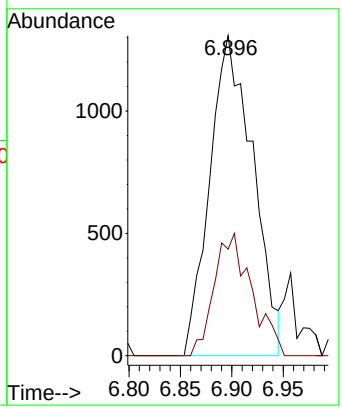


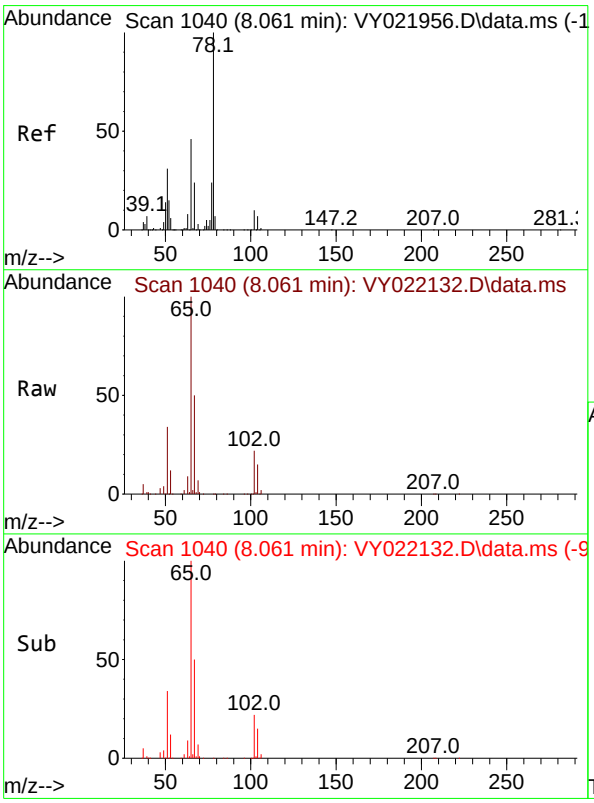
#25
2-Butanone
Concen: 5.541 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion: 43 Resp: 3818

Ion	Ratio	Lower	Upper
43	100		
72	33.3	27.0	40.4

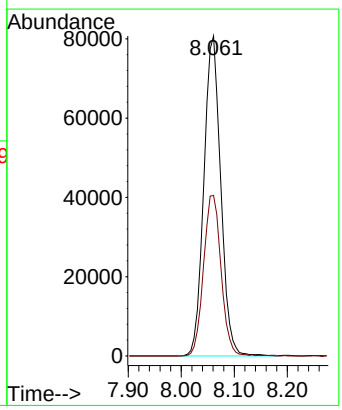


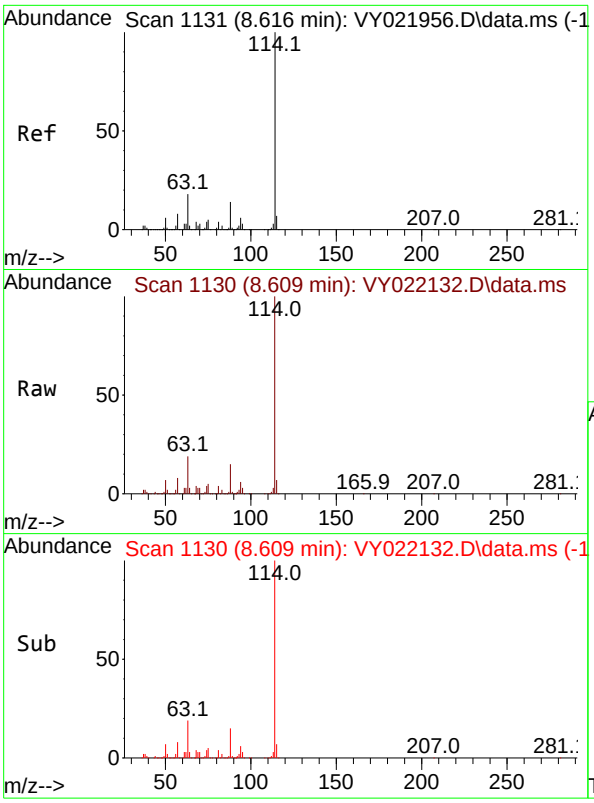


#33
1,2-Dichloroethane-d4
Concen: 59.160 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 65 Resp: 178830

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.8



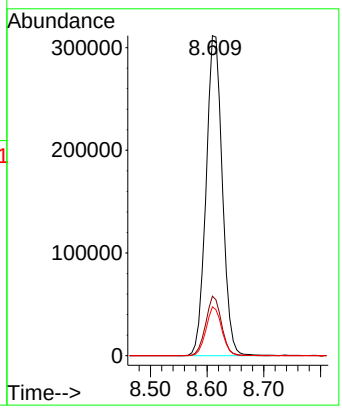


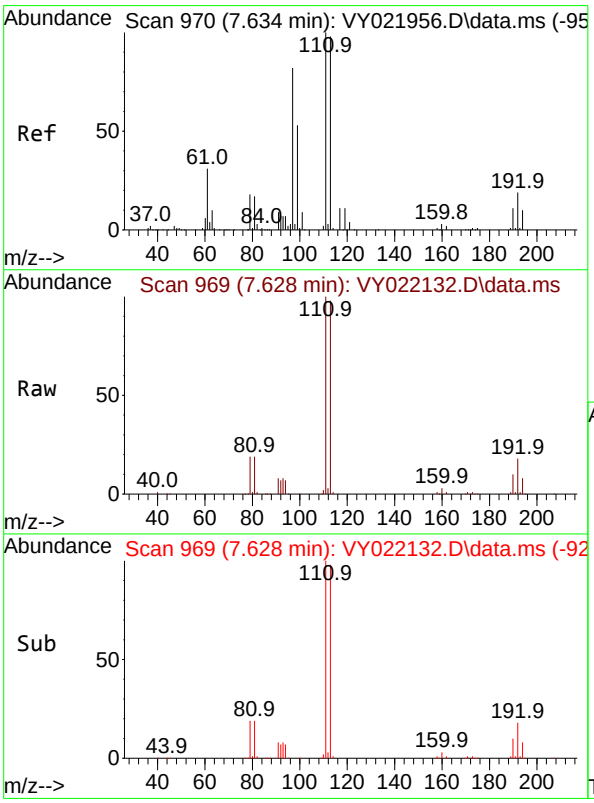
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:114 Resp: 620890

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	35.4
88	15.2	0.0	28.2

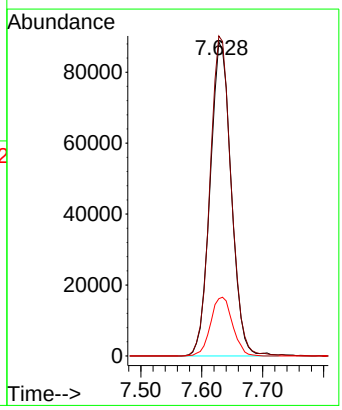


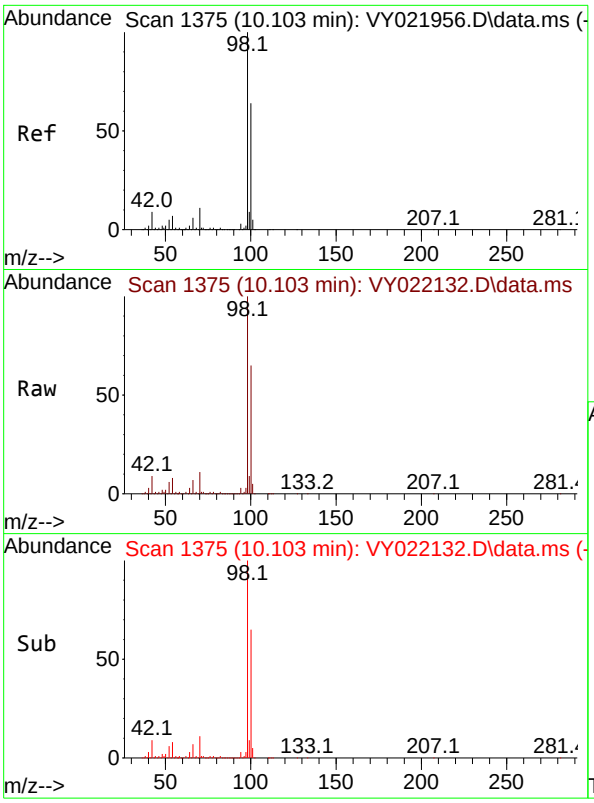


#35
Dibromofluoromethane
Concen: 51.941 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:113 Resp: 213057

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.5	15.6	23.4



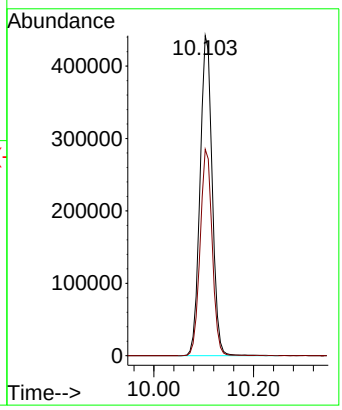


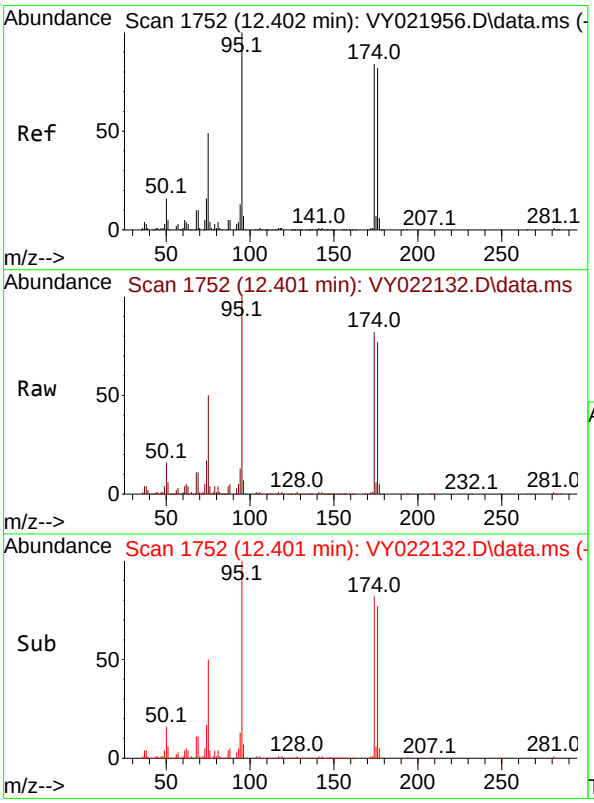
#50
Toluene-d8
Concen: 48.271 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion: 98 Resp: 746474

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

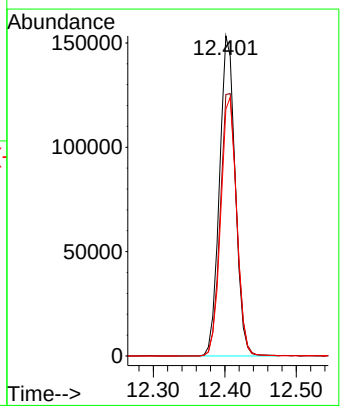


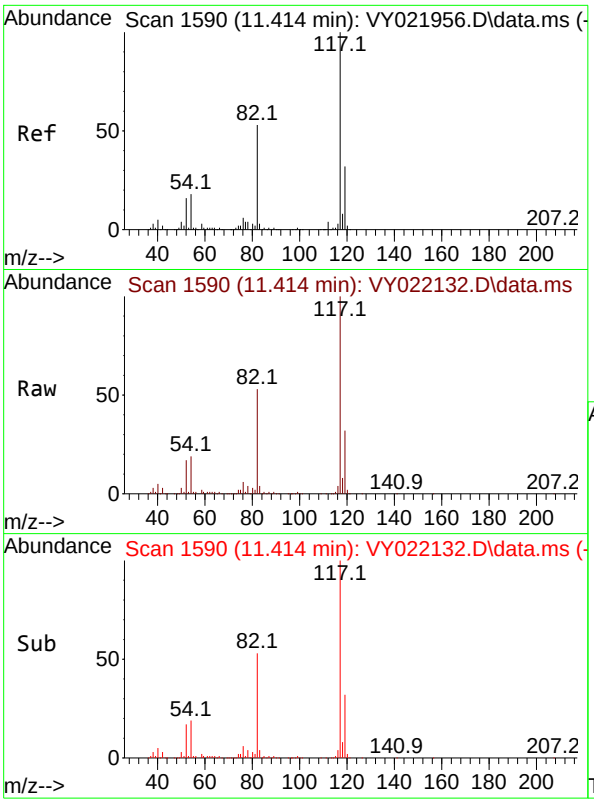


#62
4-Bromofluorobenzene
Concen: 45.009 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 95 Resp: 234313

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	179.0
176	81.8	0.0	171.8



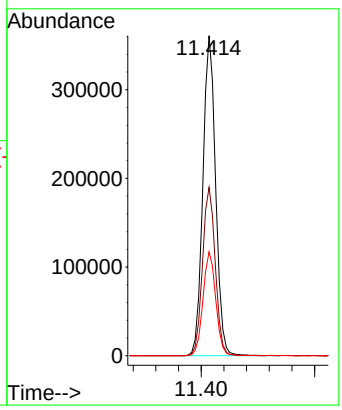


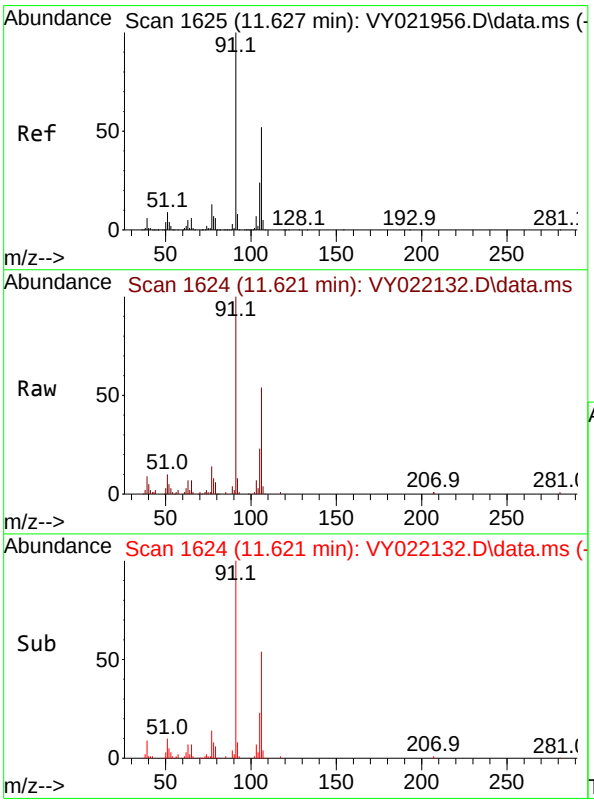
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:117 Resp: 562816

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.5	25.7	38.5

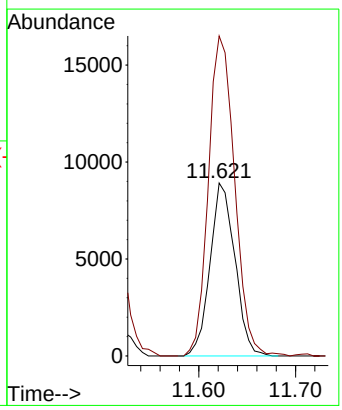


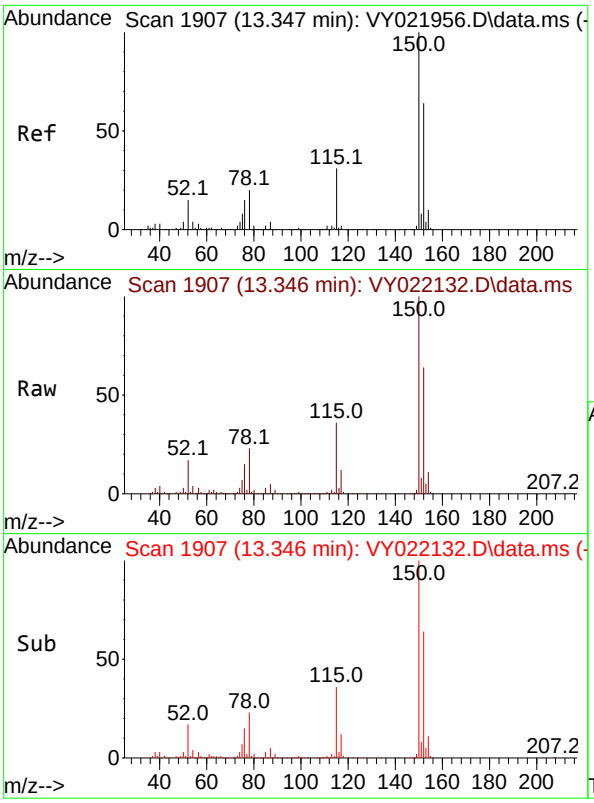


#68
m/p-Xylenes
Concen: 1.945 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:106 Resp: 15935

Ion	Ratio	Lower	Upper
106	100		
91	194.9	156.2	234.2



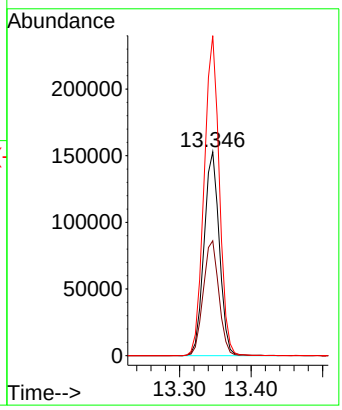


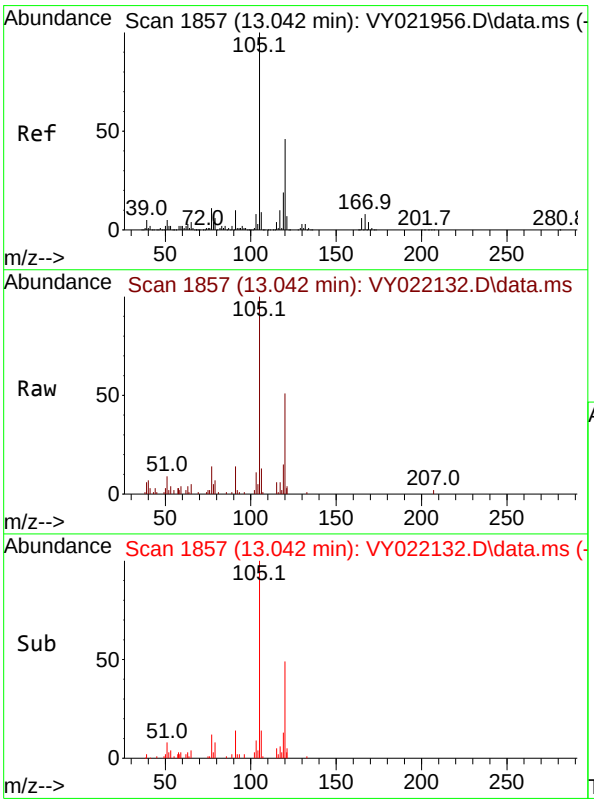
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:152 Resp: 227037

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.0	84.0
150	155.7	0.0	345.6

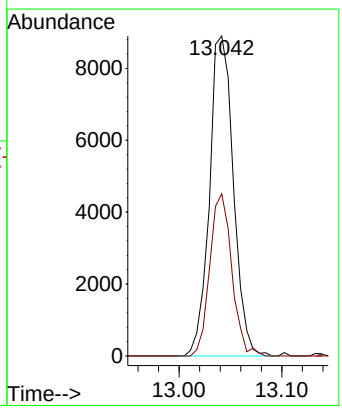




#84
1,2,4-Trimethylbenzene
Concen: 1.151 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:105 Resp: 14392

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.0



Sample Results: **VY022132.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022132.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.872	343	353	361	rBV2	7299	19795	1.04%	0.196%
2	4.610	464	474	485	rBV3	15569	48859	2.57%	0.483%
3	7.628	959	969	976	rBV	292498	717665	37.80%	7.098%
4	7.707	976	982	999	rVB	416305	959199	50.52%	9.487%
5	8.061	1029	1040	1052	rBV	221116	498805	26.27%	4.933%
6	8.609	1120	1130	1144	rBV	702581	1388830	73.14%	13.736%
7	10.103	1368	1375	1383	rBV	1121138	1898789	100.00%	18.779%
8	10.170	1383	1386	1392	rVB	16141	24689	1.30%	0.244%
9	11.414	1582	1590	1602	rBV	1050765	1653422	87.08%	16.352%
10	11.517	1602	1607	1615	rVB	13890	23704	1.25%	0.234%
11	11.621	1617	1624	1635	rBV	50665	102126	5.38%	1.010%
12	11.950	1669	1678	1688	rVB2	20560	39789	2.10%	0.394%
13	12.401	1744	1752	1765	rVB	759695	1204464	63.43%	11.912%
14	12.657	1789	1794	1797	rBV2	22533	34333	1.81%	0.340%
15	12.731	1802	1806	1812	rVB3	14804	23972	1.26%	0.237%
16	13.042	1851	1857	1869	rVB	28761	47506	2.50%	0.470%
17	13.346	1900	1907	1917	rBV	876845	1334018	70.26%	13.193%
18	13.883	1989	1995	2002	rVB	56584	91235	4.80%	0.902%

Sum of corrected areas: 10111200

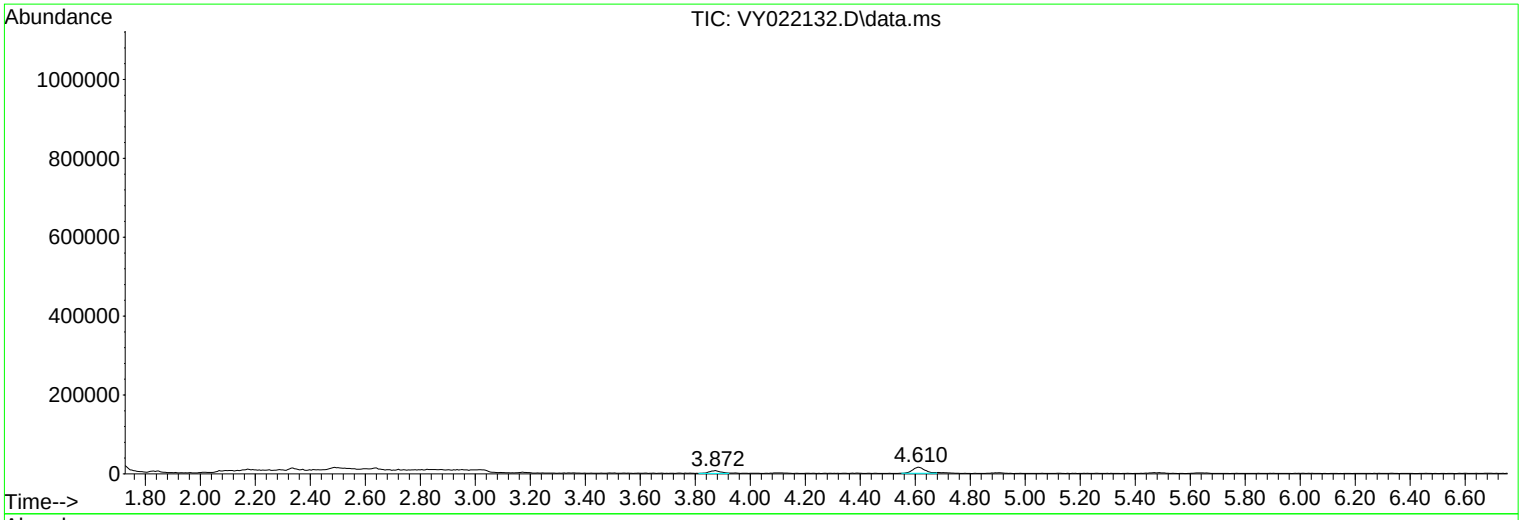
Sample Results: **VY022132.D**

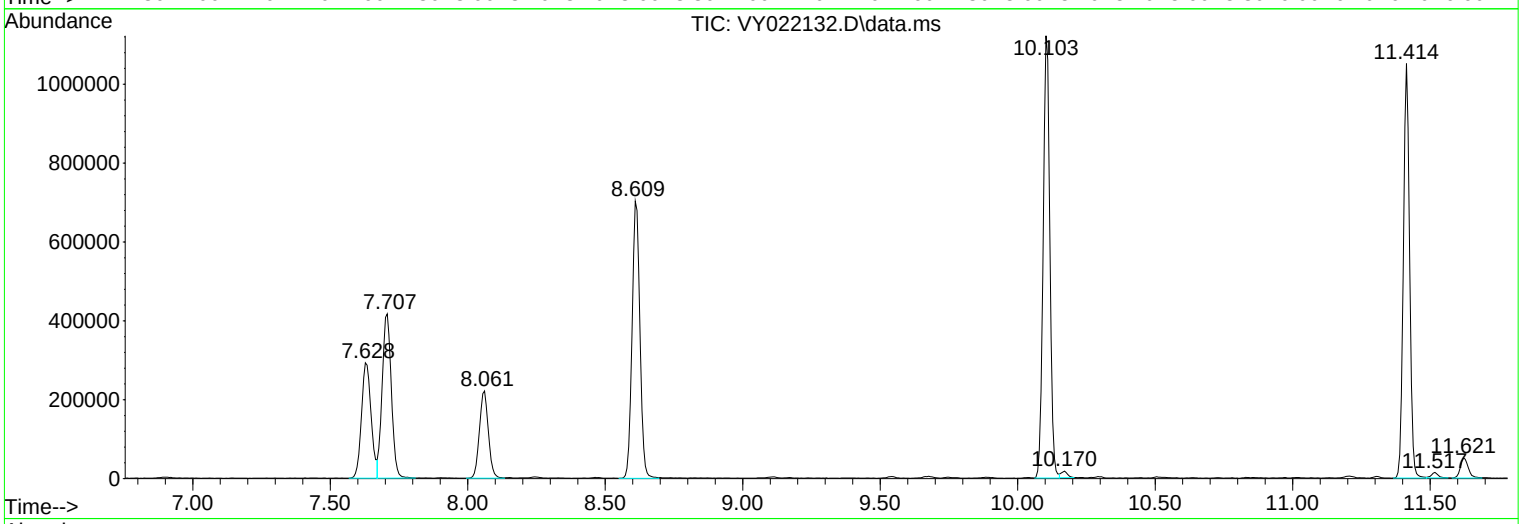
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

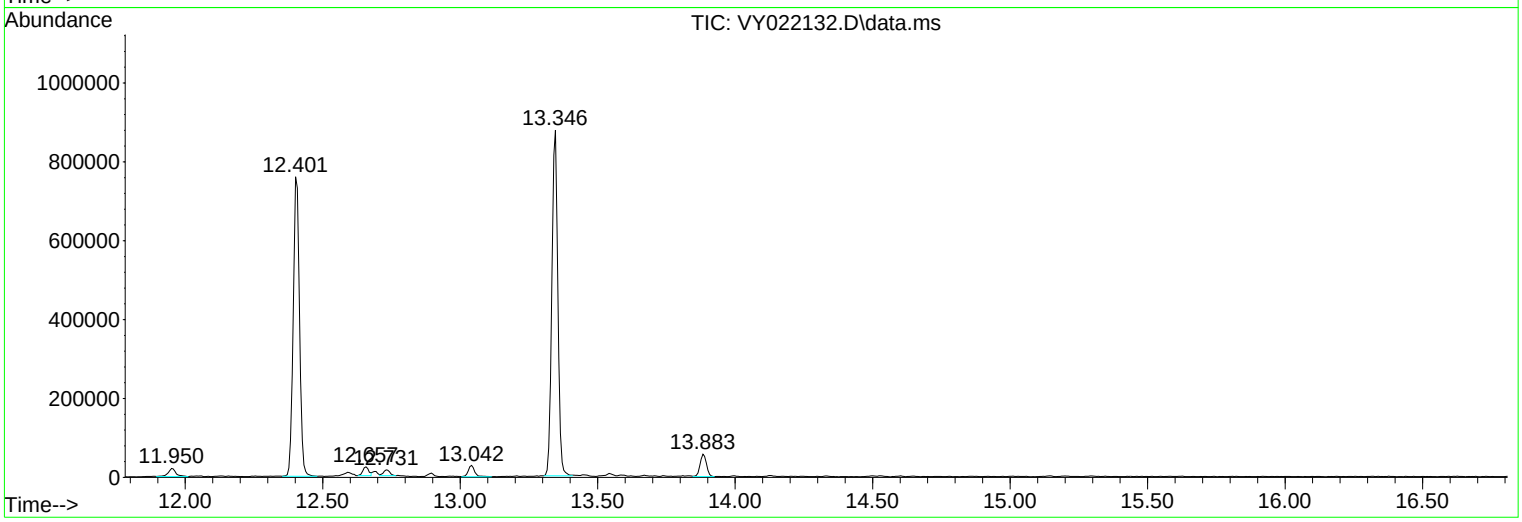
Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VY022132.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Time: May 03 02:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

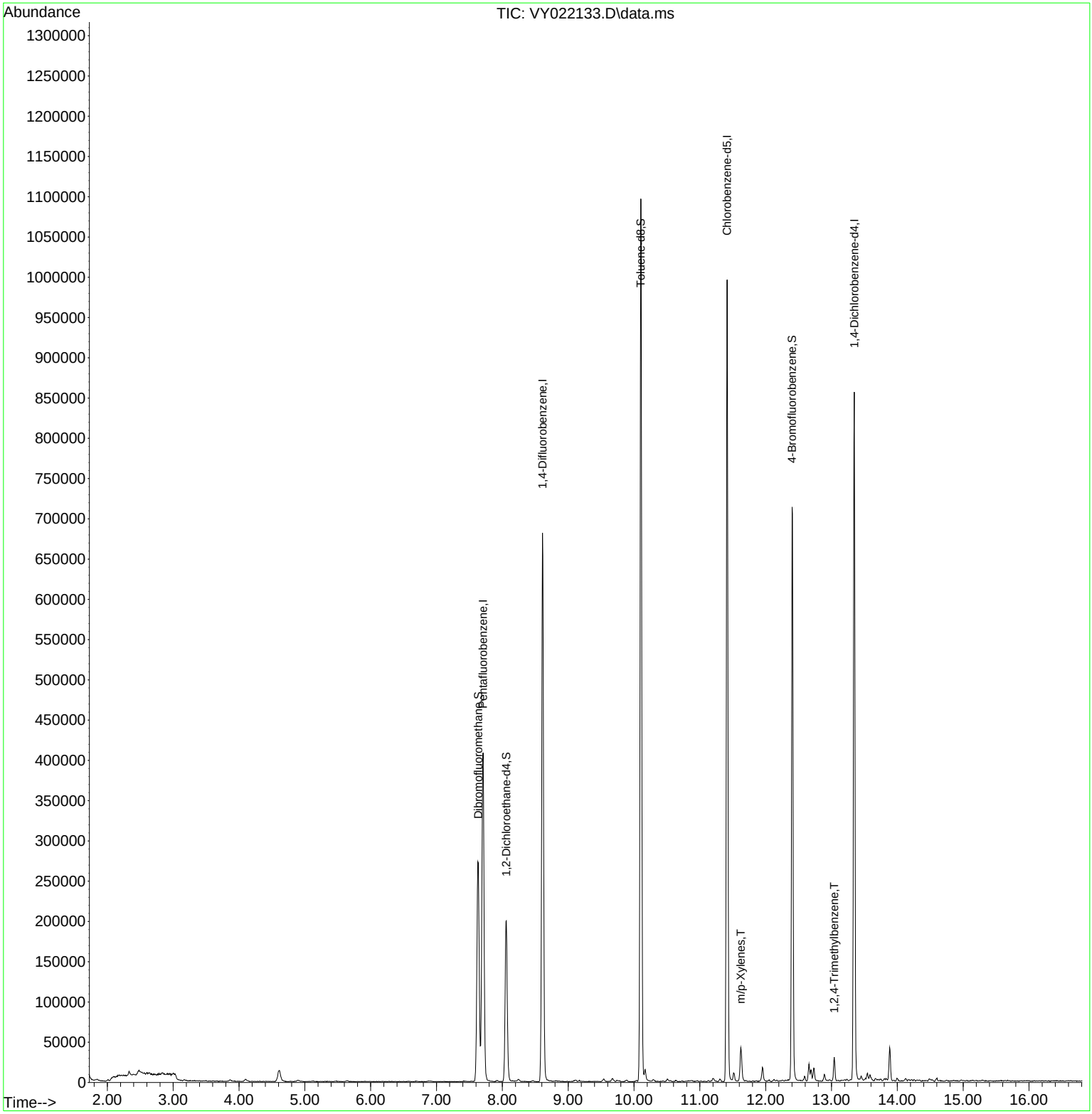
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	318938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	597401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	220532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162382	55.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.240%			
35) Dibromofluoromethane	7.634	113	198567	50.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.103	98	724652	48.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.401	95	222338	44.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.780%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	13088	1.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	15035	1.238	ug/l	98

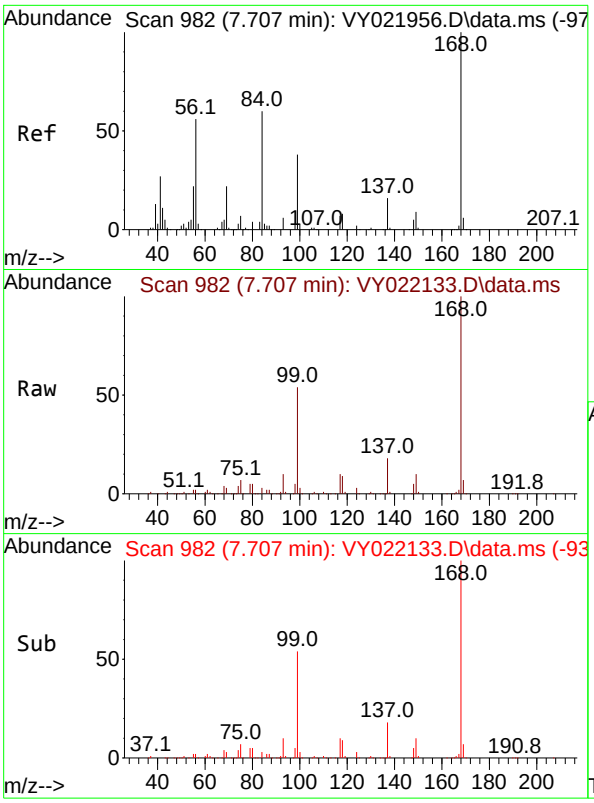
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Time: May 03 02:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



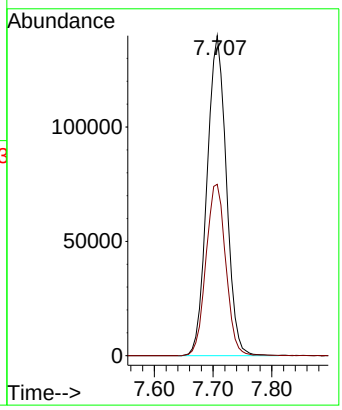


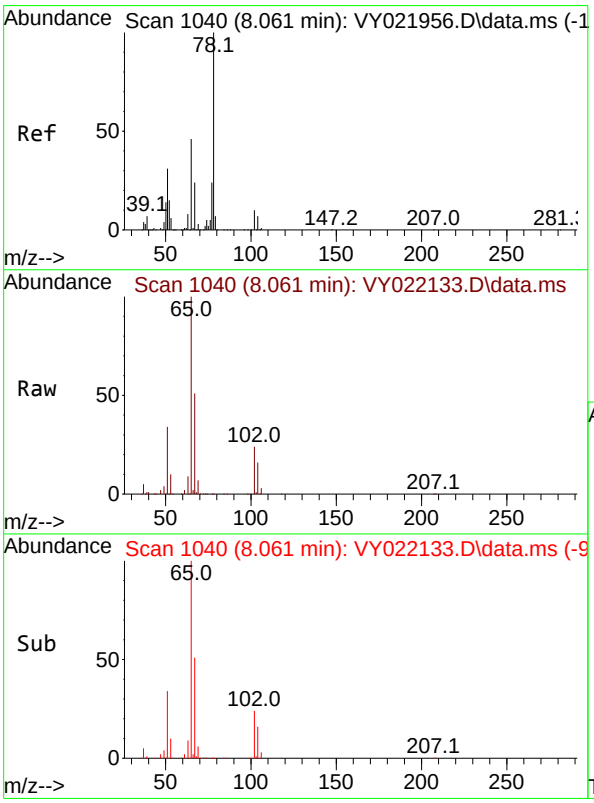
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion:168 Resp: 318938

Ion	Ratio	Lower	Upper
168	100		
99	53.6	43.1	64.7

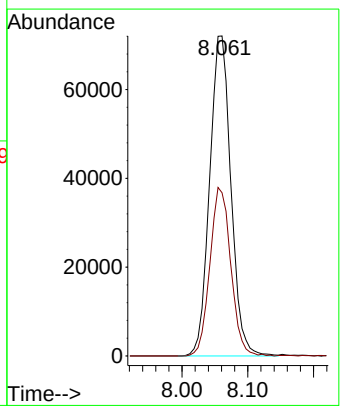


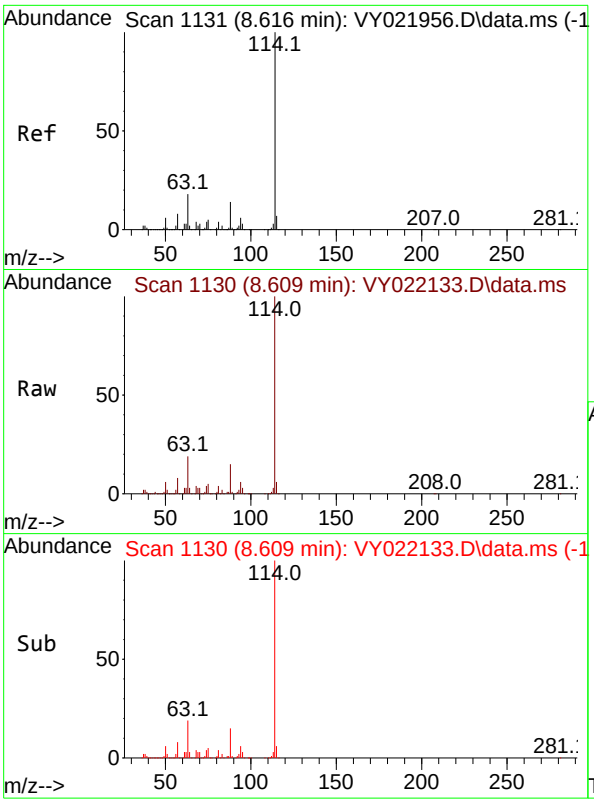


#33
1,2-Dichloroethane-d4
Concen: 55.120 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 65 Resp: 162382

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.8



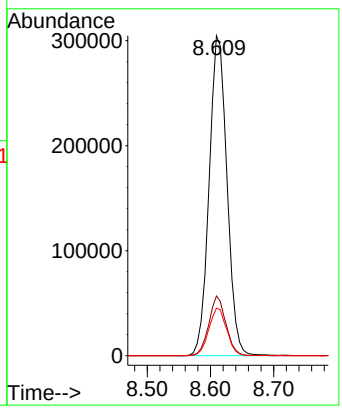


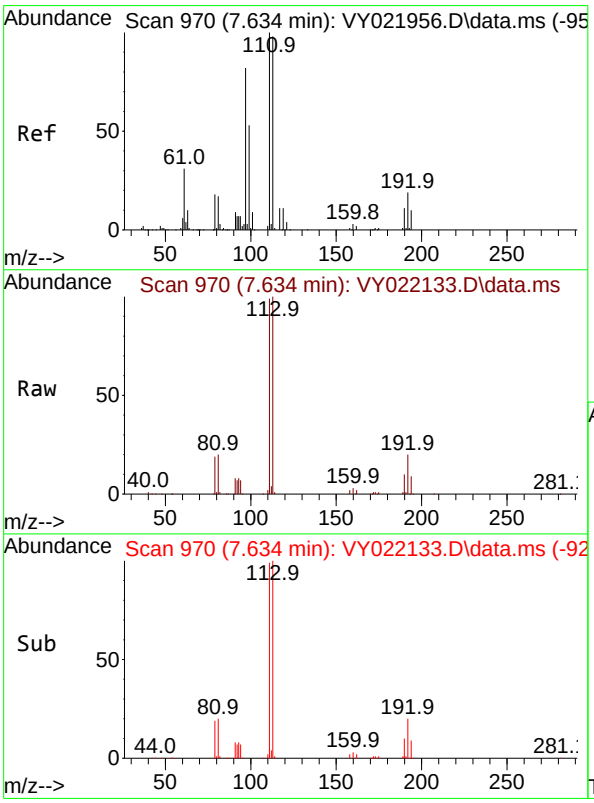
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion:114 Resp: 597401

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	35.4
88	14.9	0.0	28.2

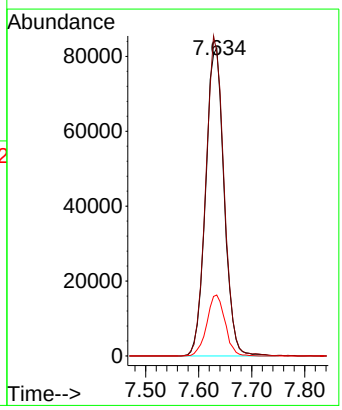


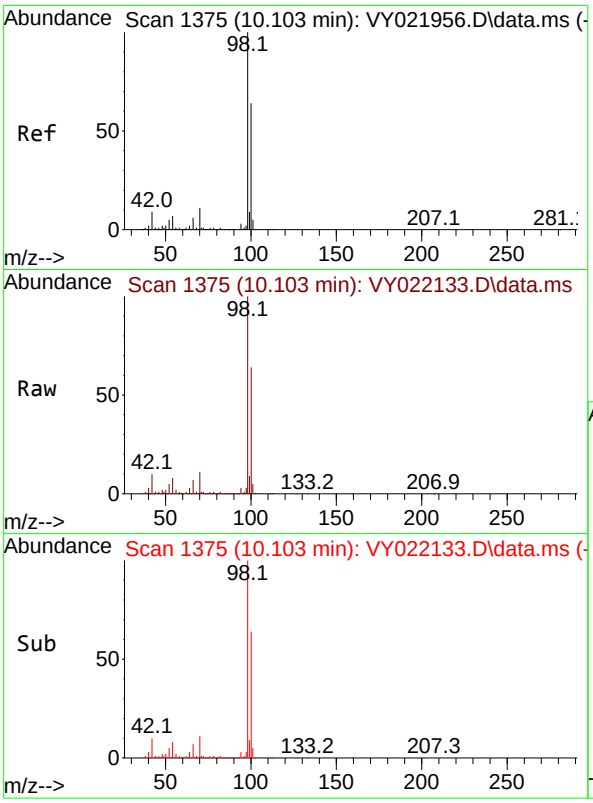


#35
Dibromofluoromethane
Concen: 50.312 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:113 Resp: 198567

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	19.6	15.6	23.4



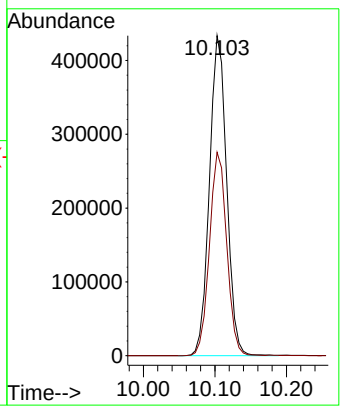


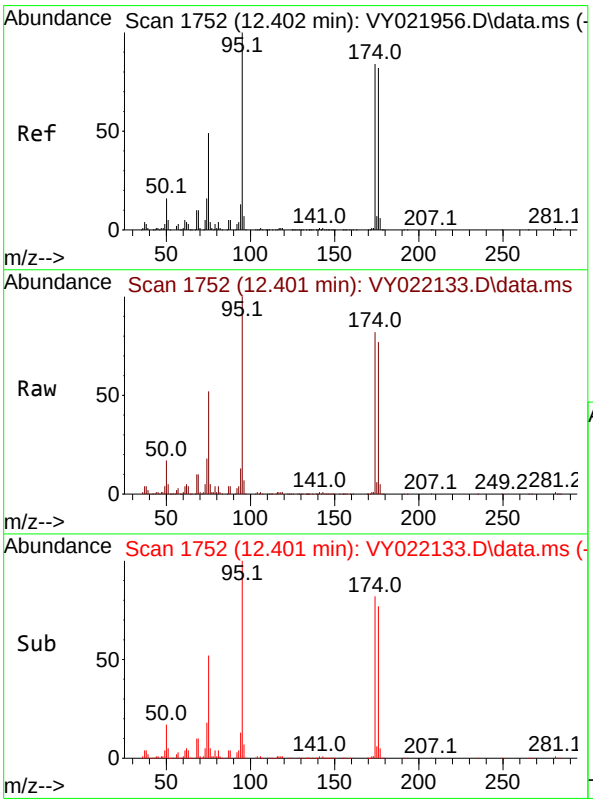
#50
Toluene-d8
Concen: 48.702 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion: 98 Resp: 724652

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4

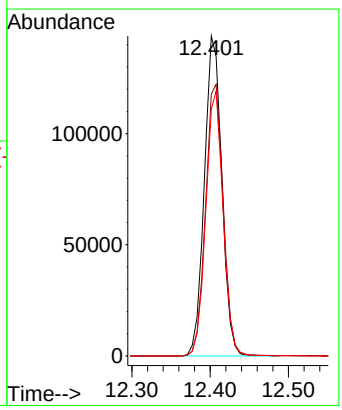


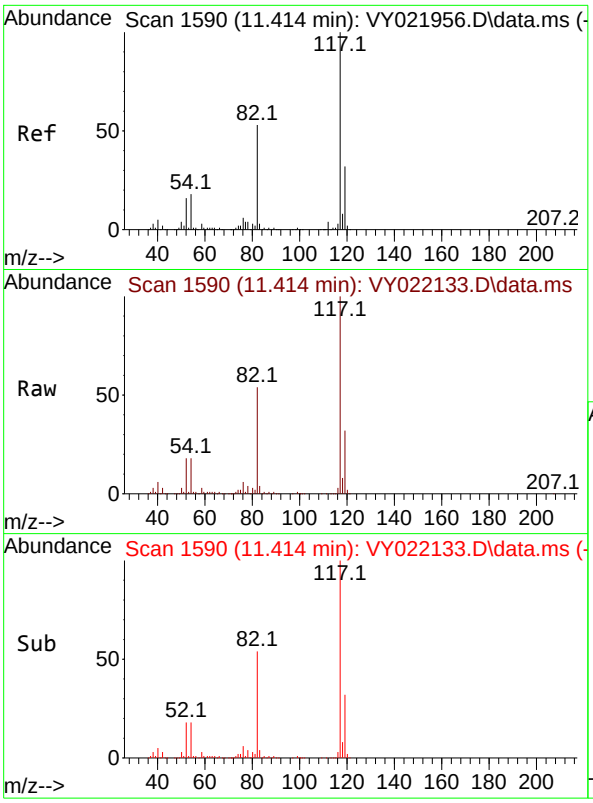


#62
4-Bromofluorobenzene
Concen: 44.388 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 95 Resp: 222338

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	179.0
176	81.9	0.0	171.8



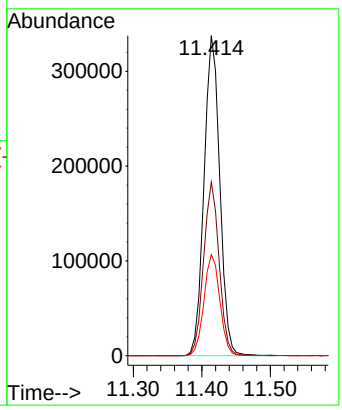


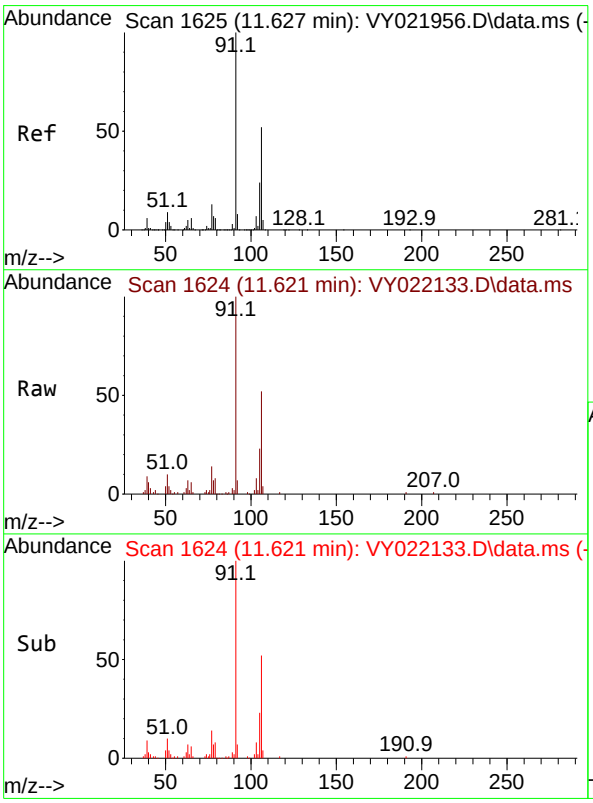
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion:117 Resp: 540276

Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.1	63.1
119	31.6	25.7	38.5

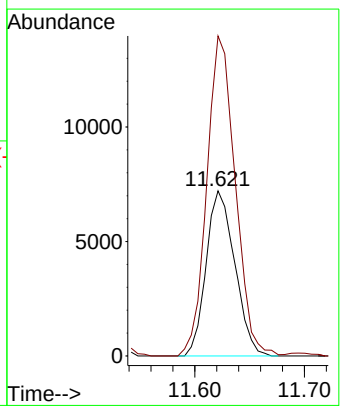


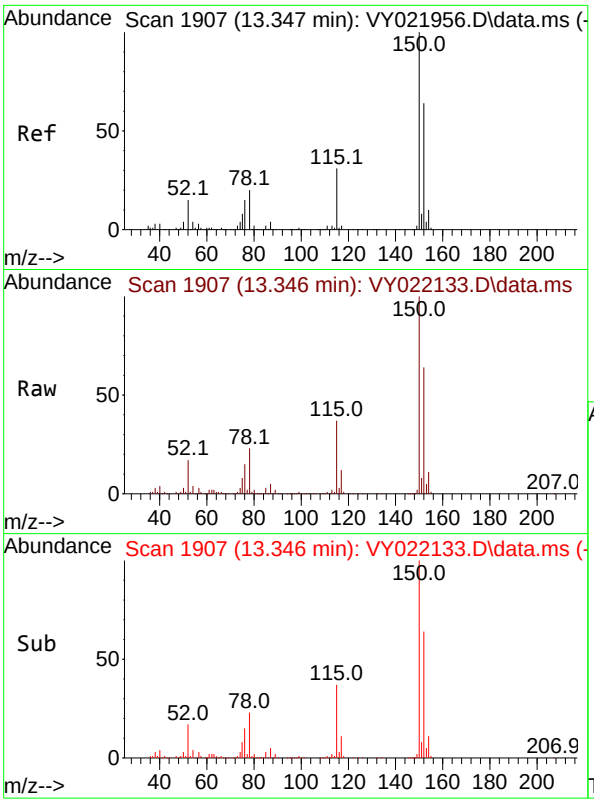


#68
m/p-Xylenes
Concen: 1.664 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:106 Resp: 13088

Ion	Ratio	Lower	Upper
106	100		
91	192.7	156.2	234.2



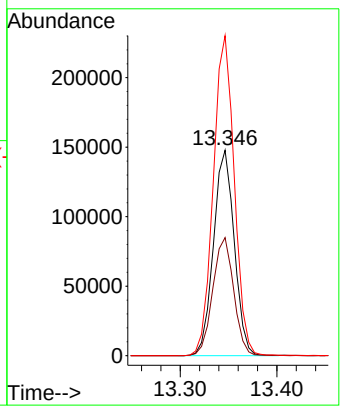


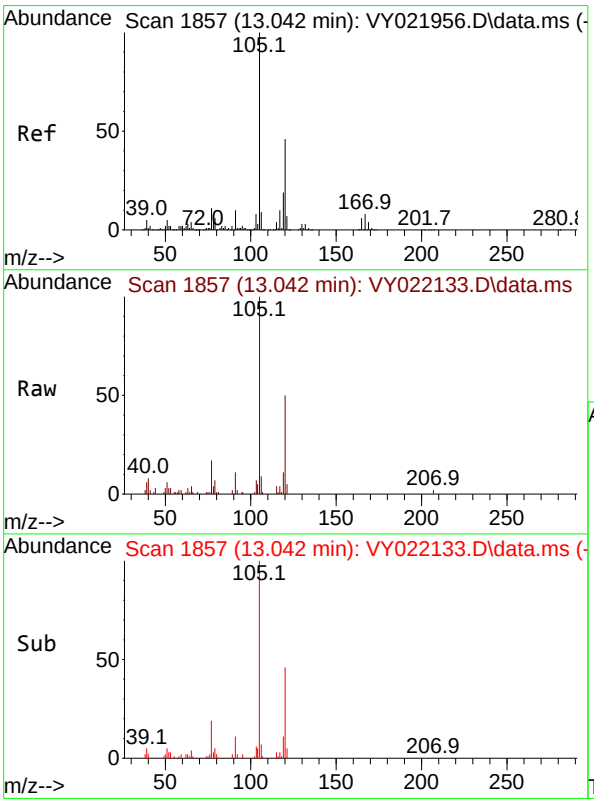
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion:152 Resp: 220532

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	84.0
150	157.3	0.0	345.6

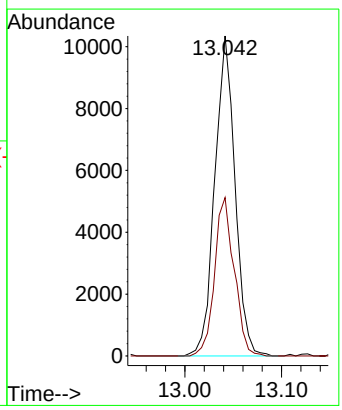




#84
1,2,4-Trimethylbenzene
Concen: 1.238 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:105 Resp: 15035

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.4	70.0



Sample Results: **VY022133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.610	464	474	482	rBV3	13802	43688	2.37%	0.452%
2	7.628	958	969	975	rBV	272964	655395	35.56%	6.783%
3	7.707	975	982	995	rVB	407348	945120	51.27%	9.782%
4	8.061	1030	1040	1053	rBV	199376	450469	24.44%	4.662%
5	8.609	1121	1130	1144	rBV	681535	1338291	72.61%	13.851%
6	10.103	1367	1375	1383	rBV	1096036	1843243	100.00%	19.077%
7	10.170	1383	1386	1395	rVB2	13952	23252	1.26%	0.241%
8	11.414	1582	1590	1601	rBV	995673	1597329	86.66%	16.532%
9	11.511	1602	1606	1615	rVV	10541	19602	1.06%	0.203%
10	11.621	1617	1624	1633	rVB	41491	81171	4.40%	0.840%
11	11.950	1670	1678	1687	rBV2	17202	31203	1.69%	0.323%
12	12.401	1743	1752	1768	rVB	712077	1151672	62.48%	11.919%
13	12.657	1788	1794	1797	rBV	21067	34084	1.85%	0.353%
14	12.731	1802	1806	1813	rVB2	15690	26809	1.45%	0.277%
15	13.042	1850	1857	1862	rBV	29579	44910	2.44%	0.465%
16	13.346	1899	1907	1917	rBV	854086	1307976	70.96%	13.537%
17	13.883	1990	1995	2002	rVB	41145	67950	3.69%	0.703%

Sum of corrected areas: 9662164

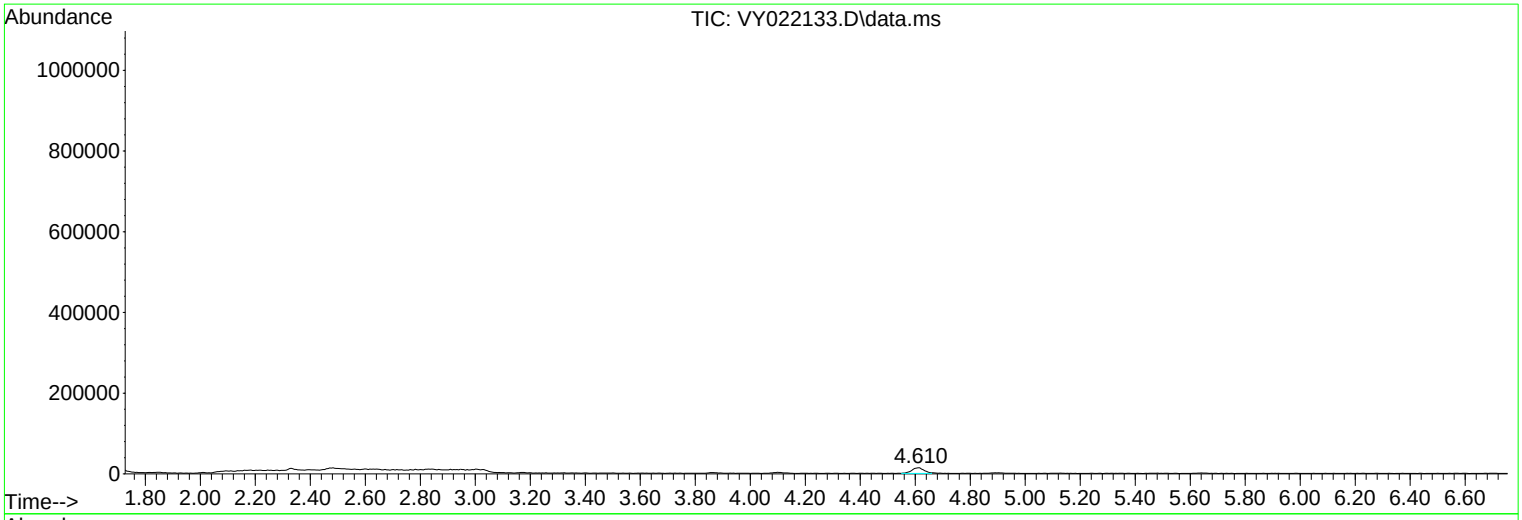
Sample Results: **VY022133.D**

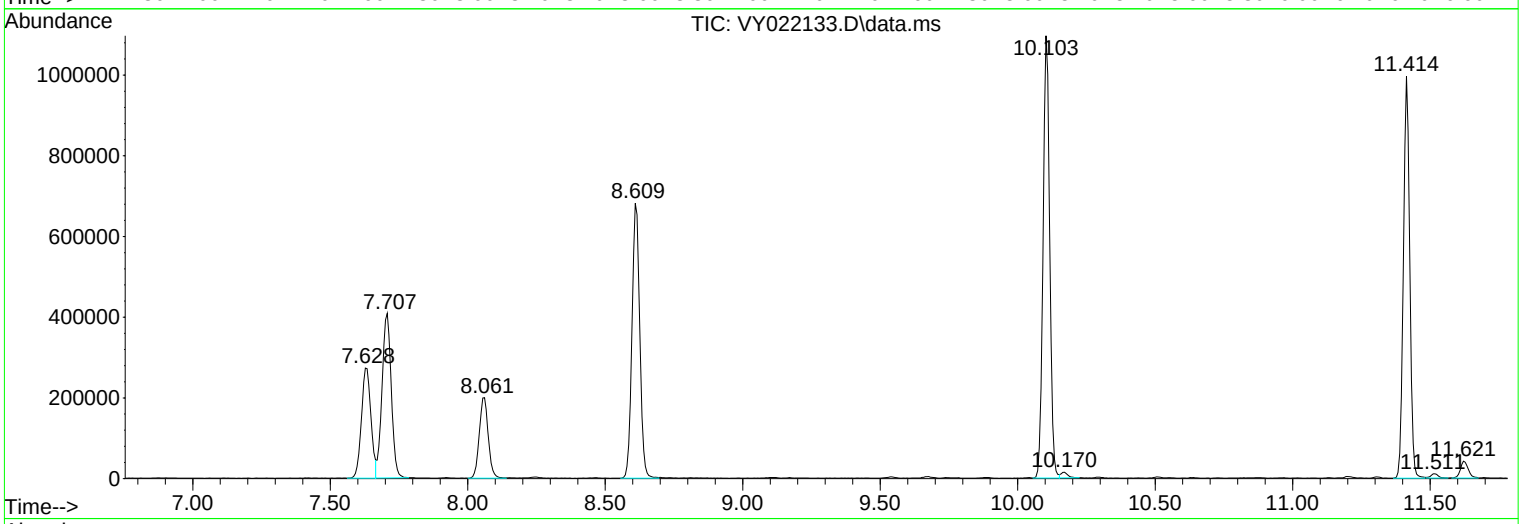
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

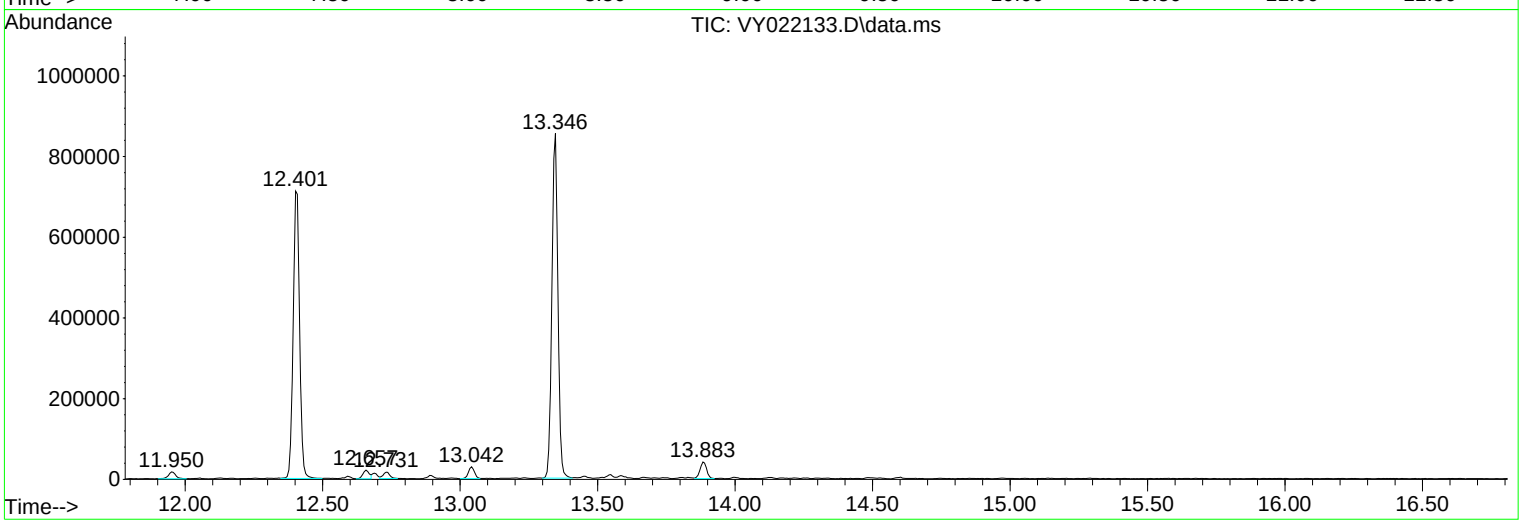
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VY022133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Time: May 07 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

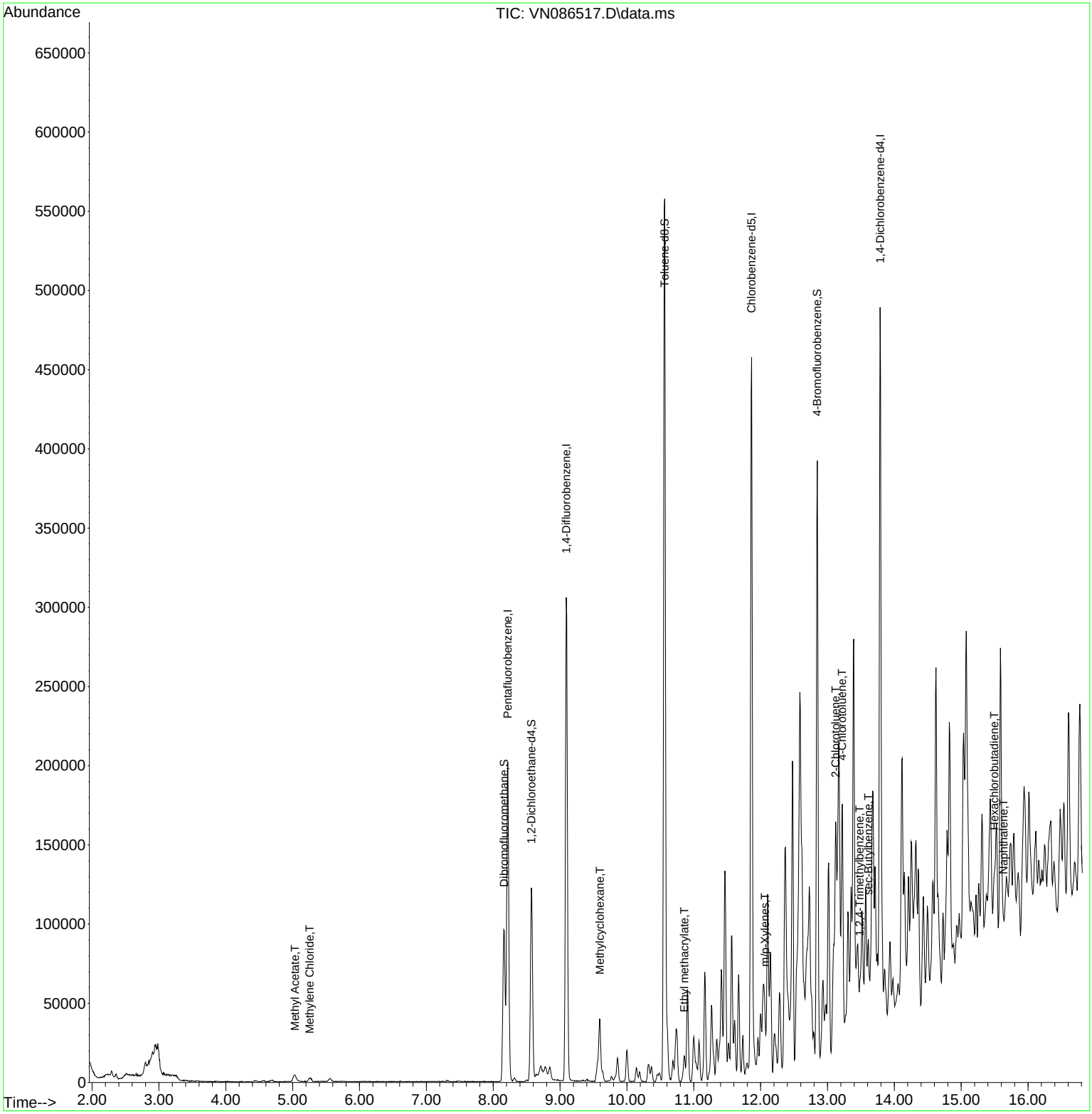
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	146112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	275620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102195	48.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.460%			
35) Dibromofluoromethane	8.165	113	72813	56.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.840%			
50) Toluene-d8	10.565	98	356510	52.147	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.847	95	124373	49.877	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.760%			
Target Compounds						Qvalue
18) Methyl Acetate	5.036	43	10297	4.049	ug/l	90
20) Methylene Chloride	5.253	84	1964	1.003	ug/l #	89
39) Methylcyclohexane	9.594	83	16815	5.537	ug/l	94
56) Ethyl methacrylate	10.859	69	5289	1.566	ug/l #	86
68) m/p-Xylenes	12.065	106	5374	1.314	ug/l	88
79) 2-Chlorotoluene	13.123	91	70464	9.746	ug/l	99
82) 4-Chlorotoluene	13.217	91	39744	5.534	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	13040	1.596	ug/l	98
85) sec-Butylbenzene	13.611	105	12216	1.266	ug/l #	76
94) Hexachlorobutadiene	15.494	225	781	1.091	ug/l	92
95) Naphthalene	15.635	128	12987	1.932	ug/l	96

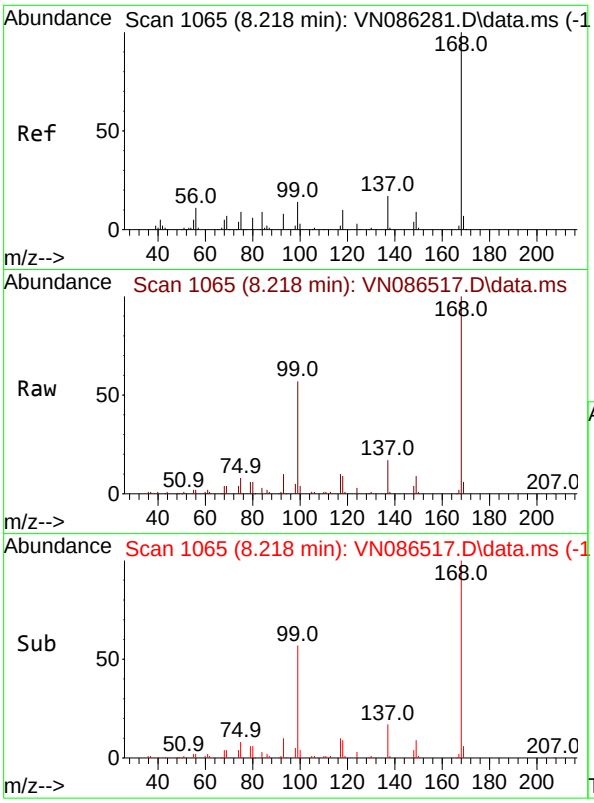
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Time: May 07 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



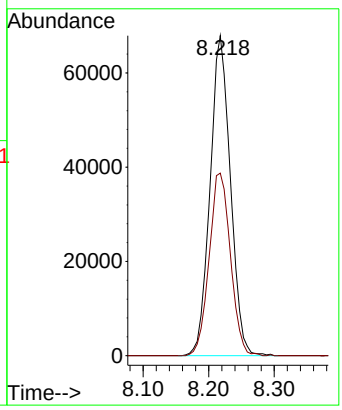


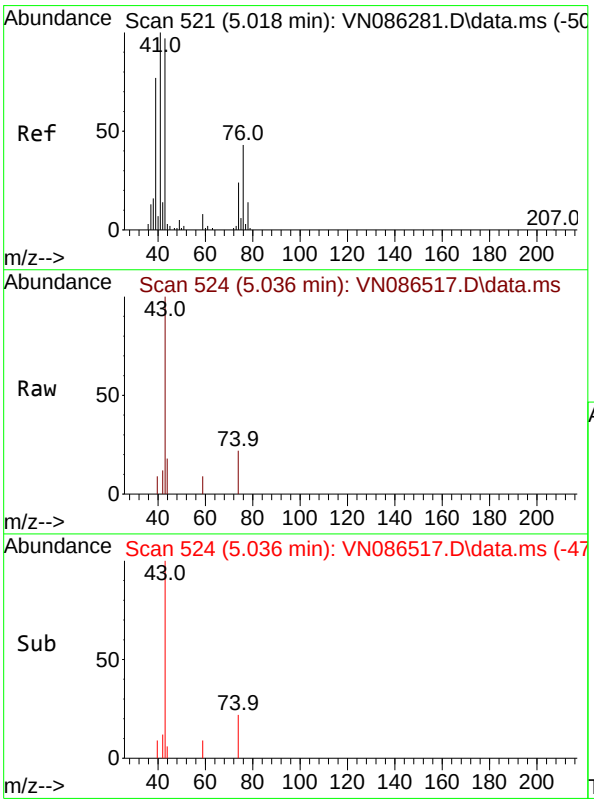
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:168 Resp: 146112

Ion	Ratio	Lower	Upper
168	100		
99	57.1	52.5	78.7

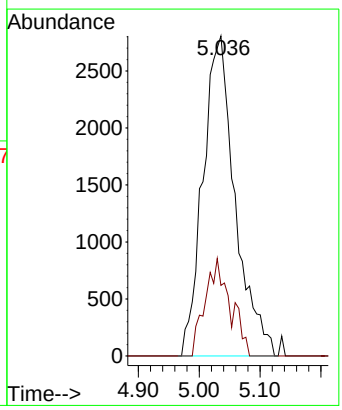


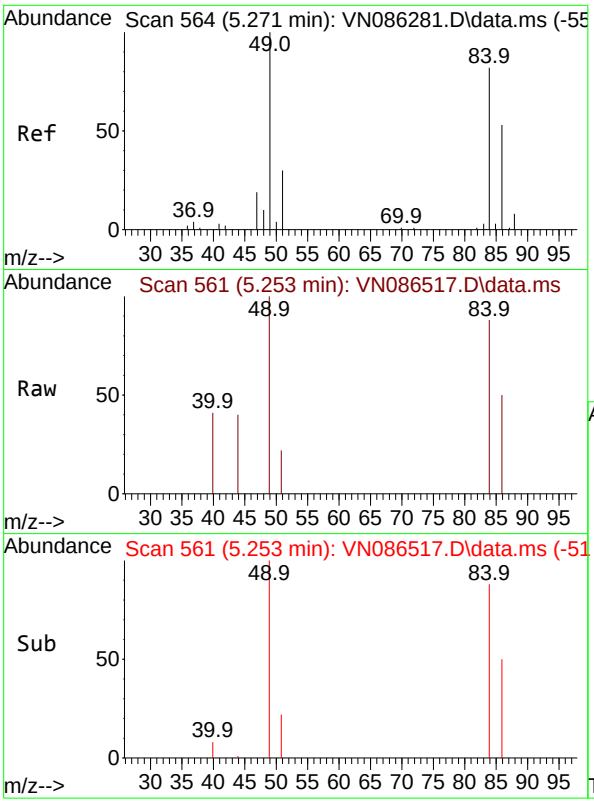


#18
Methyl Acetate
Concen: 4.049 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 43 Resp: 10297

Ion	Ratio	Lower	Upper
43	100		
74	19.8	19.8	29.6



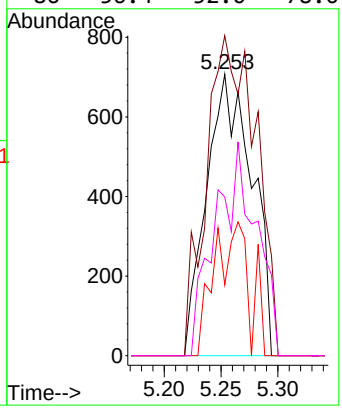


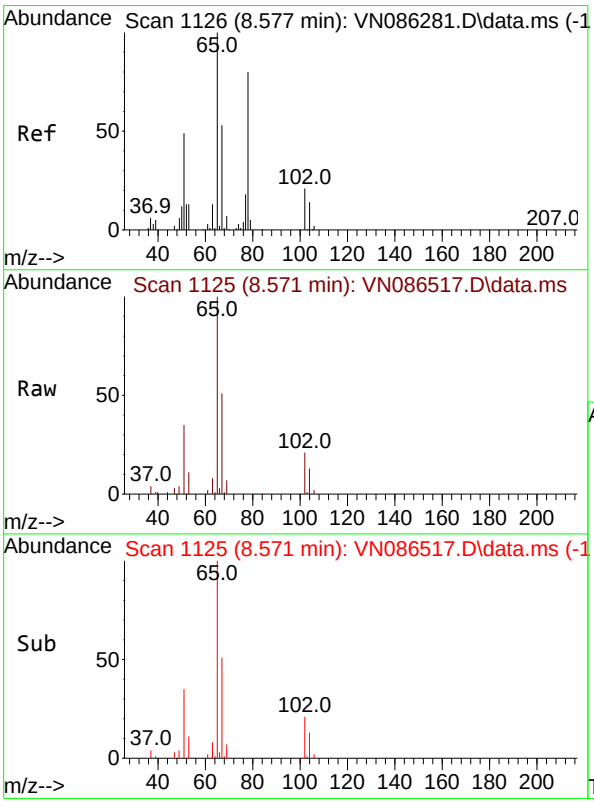
#20
Methylene Chloride
Concen: 1.003 ug/l
RT: 5.253 min Scan# 5
Delta R.T. -0.018 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 84 Resp: 1964

Ion	Ratio	Lower	Upper
84	100		
49	113.7	98.2	147.2
51	25.2	29.8	44.6#
86	56.4	52.0	78.0

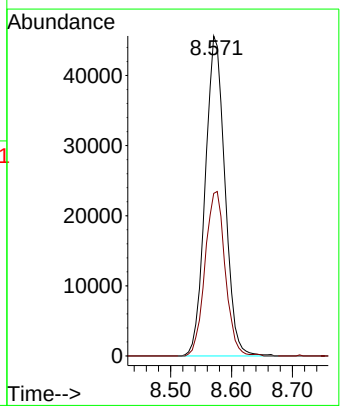


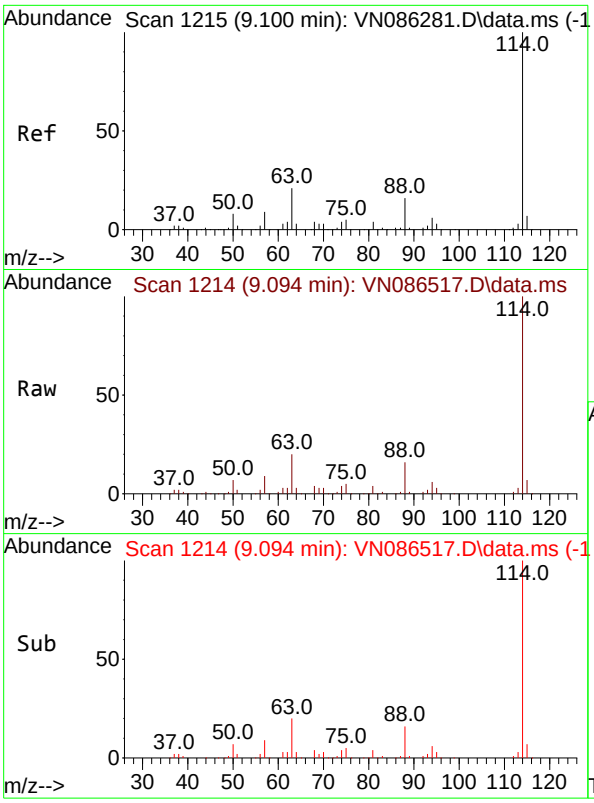


#33
1,2-Dichloroethane-d4
Concen: 48.234 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 65 Resp: 102195

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.0



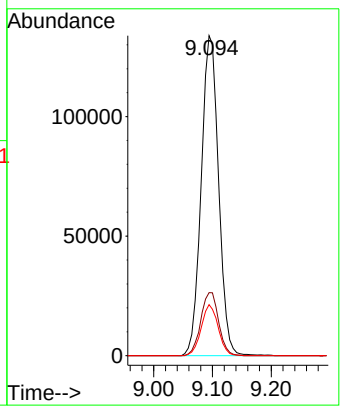


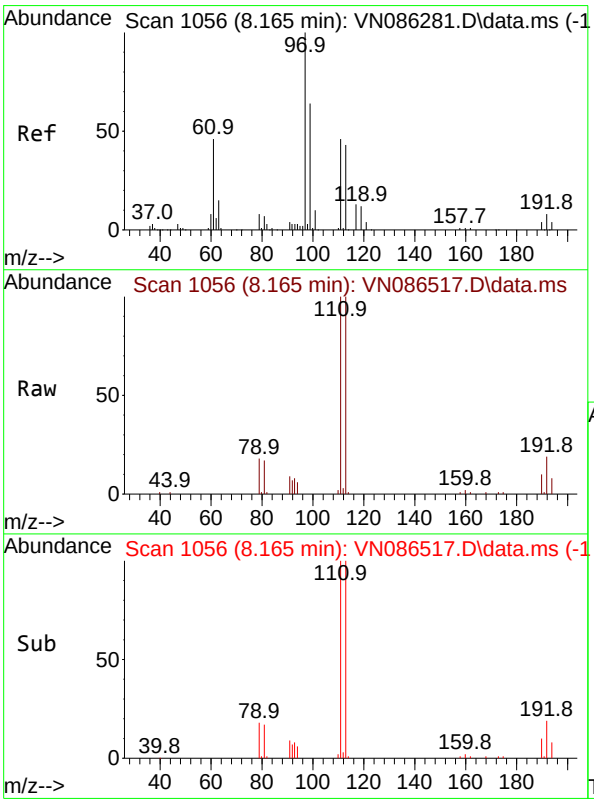
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:114 Resp: 275620

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	16.0	0.0	31.8

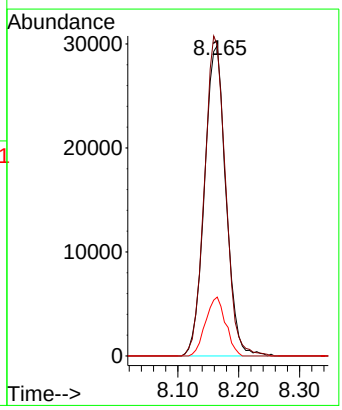


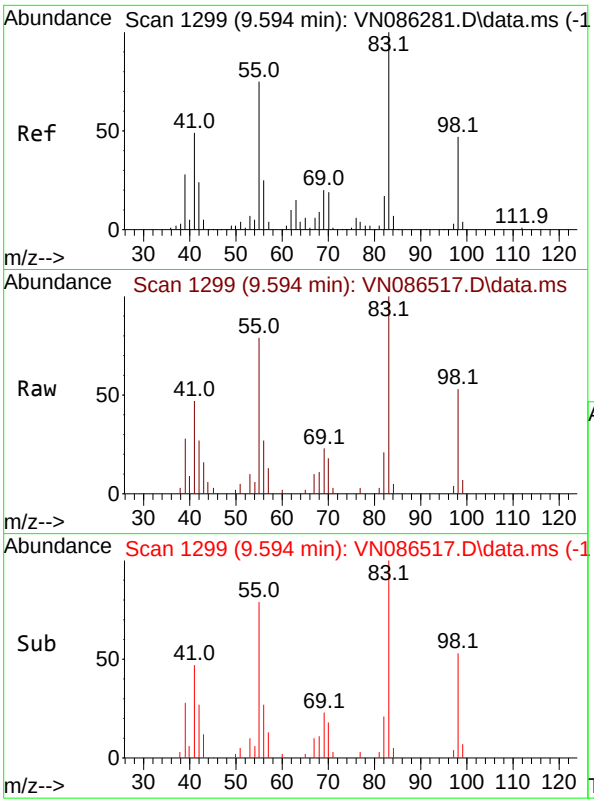


#35
Dibromofluoromethane
Concen: 56.921 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:113 Resp: 72813

Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.4	125.0
192	17.8	13.7	20.5



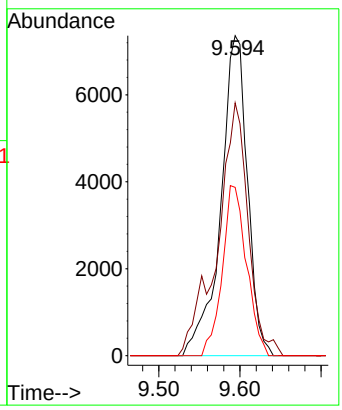


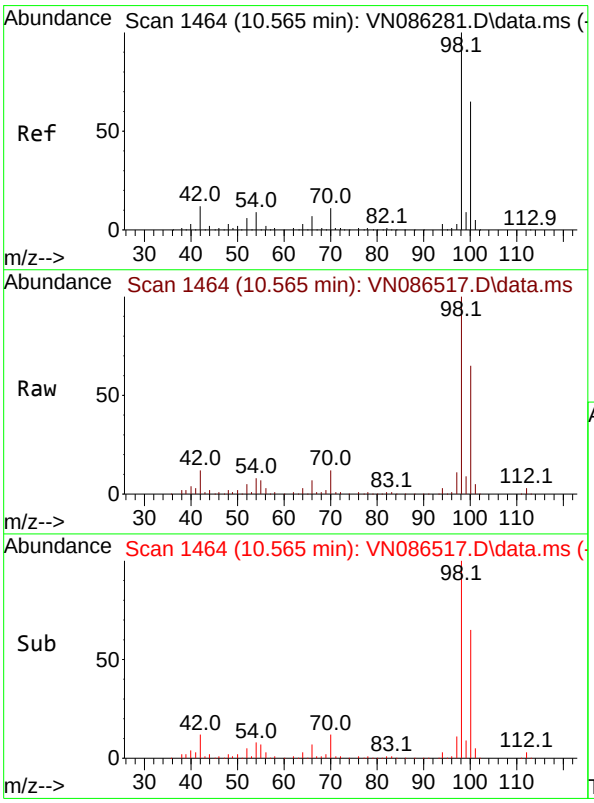
#39
Methylcyclohexane
Concen: 5.537 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 83 Resp: 16815

Ion	Ratio	Lower	Upper
83	100		
55	79.0	59.8	89.8
98	52.6	37.9	56.9

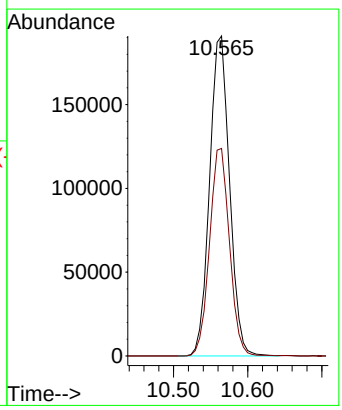


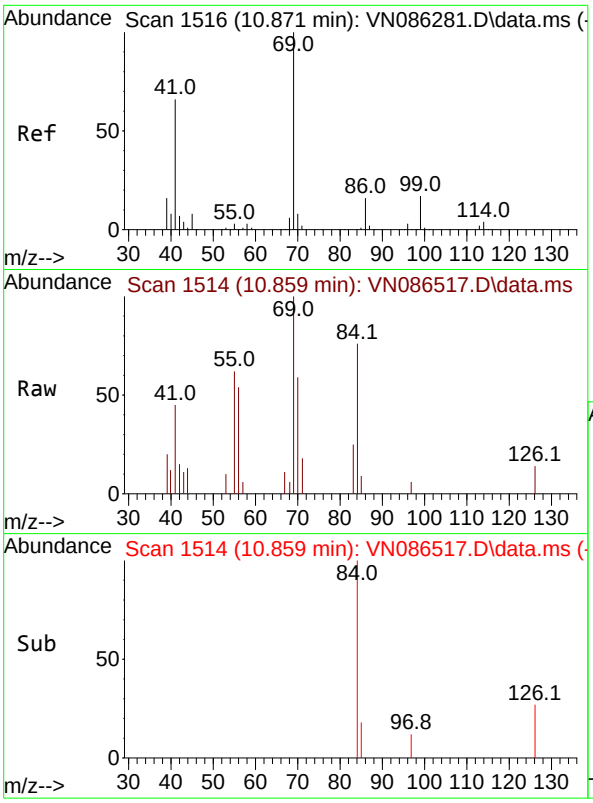


#50
Toluene-d8
Concen: 52.147 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 98 Resp: 356510

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7



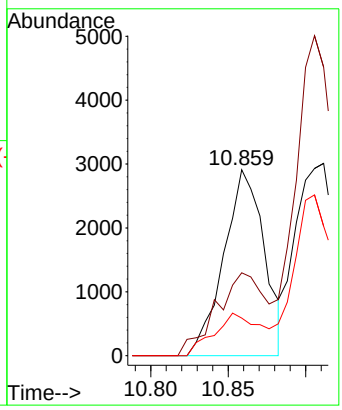


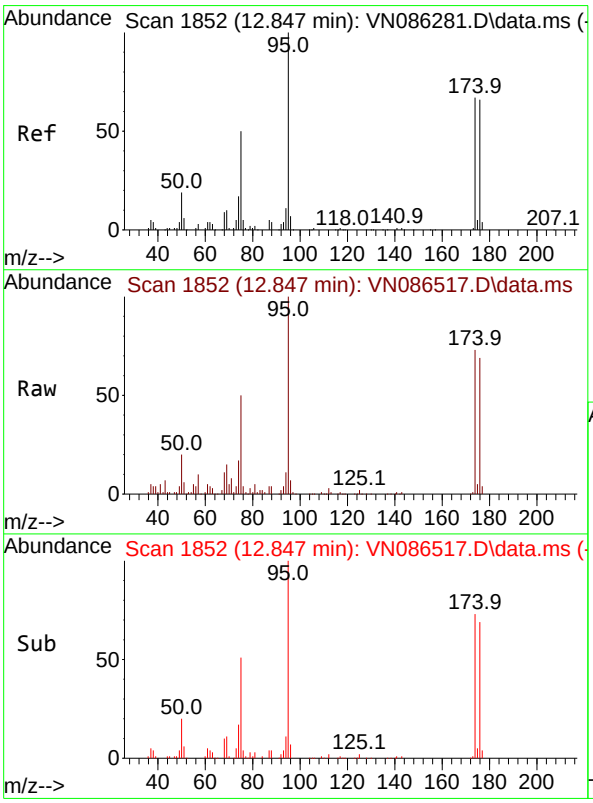
#56
Ethyl methacrylate
Concen: 1.566 ug/l
RT: 10.859 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 69 Resp: 5289

Ion	Ratio	Lower	Upper
69	100		
41	52.8	51.7	77.5
39	26.2	26.3	39.5#

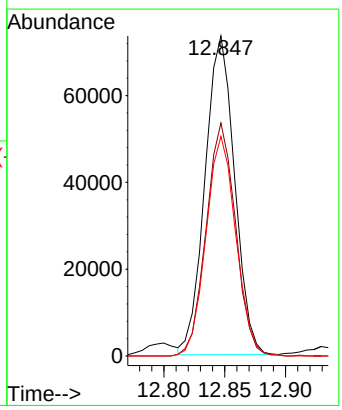


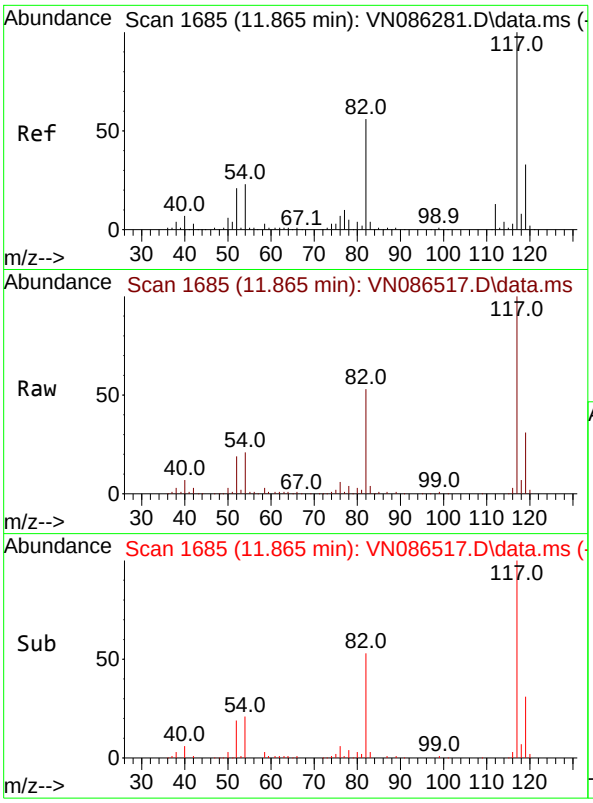


#62
4-Bromofluorobenzene
Concen: 49.877 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 95 Resp: 124373

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	133.4
176	69.4	0.0	129.2



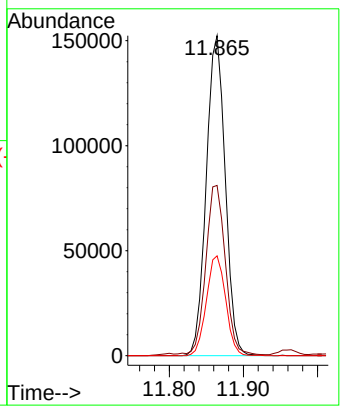


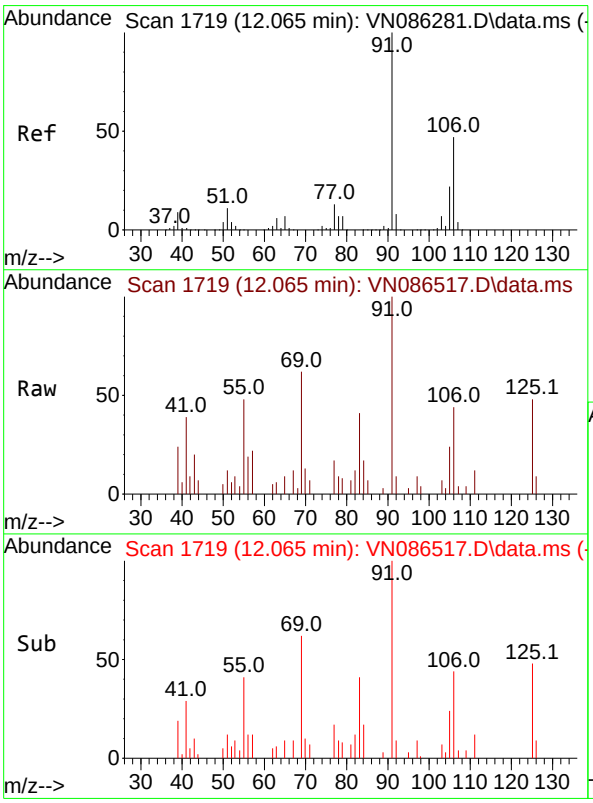
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:117 Resp: 271043

Ion	Ratio	Lower	Upper
117	100		
82	52.6	44.7	67.1
119	31.2	26.4	39.6

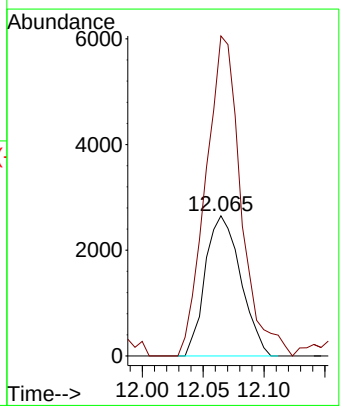


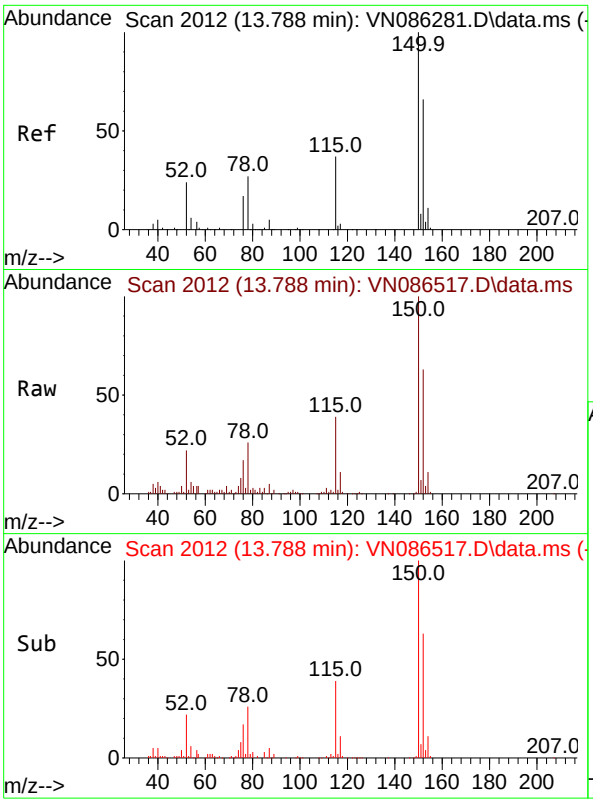


#68
m/p-Xylenes
Concen: 1.314 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:106 Resp: 5374

Ion	Ratio	Lower	Upper
106	100		
91	227.0	166.5	249.7



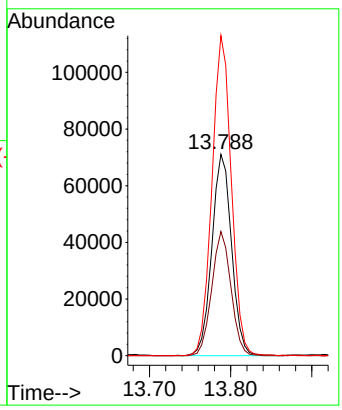


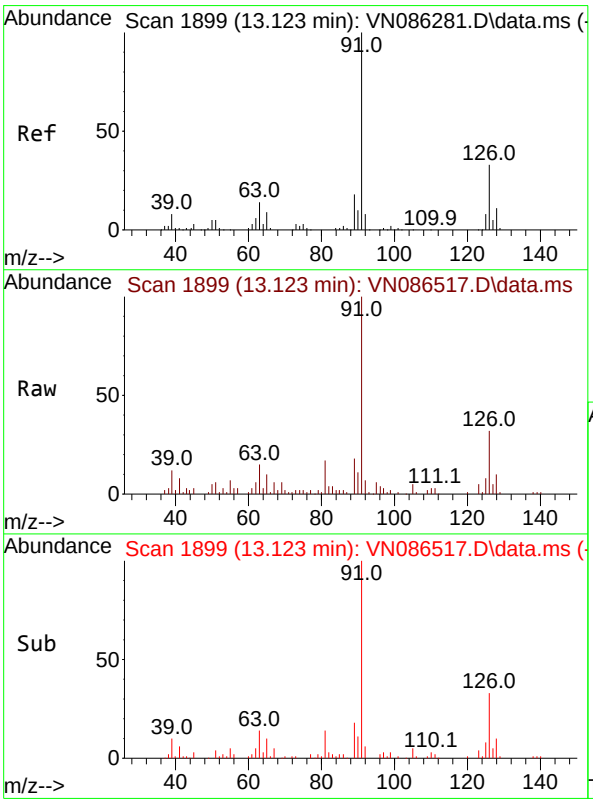
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:152 Resp: 119869

Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.9	95.9
150	156.1	0.0	352.0

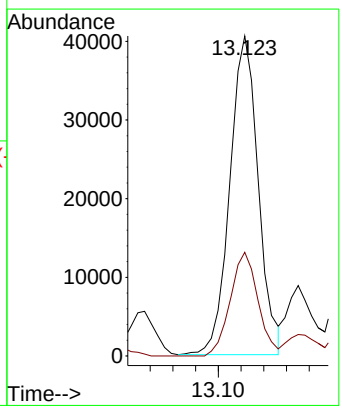


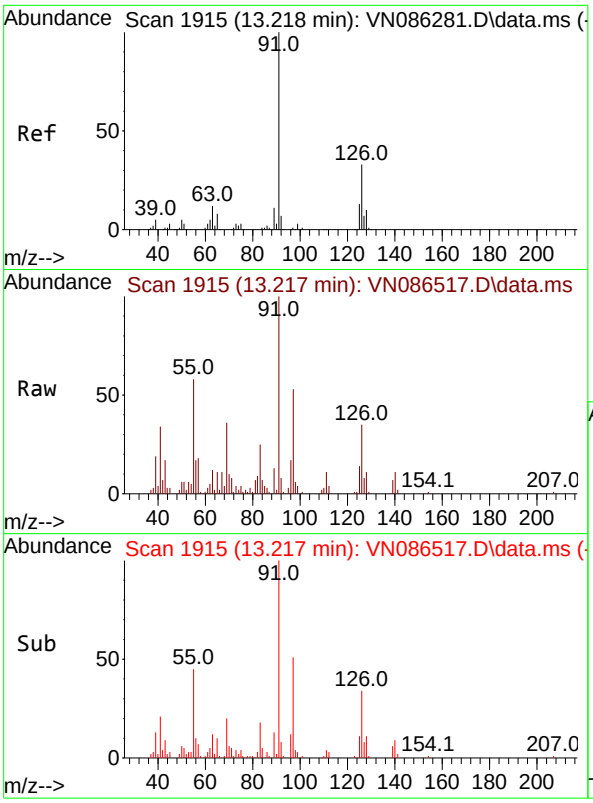


#79
2-Chlorotoluene
Concen: 9.746 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 91 Resp: 70464

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2



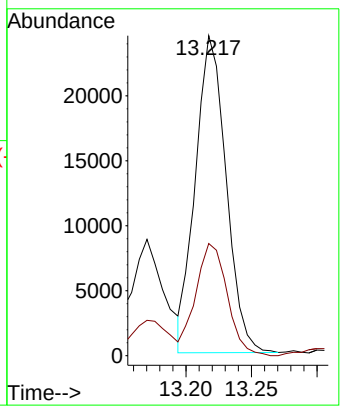


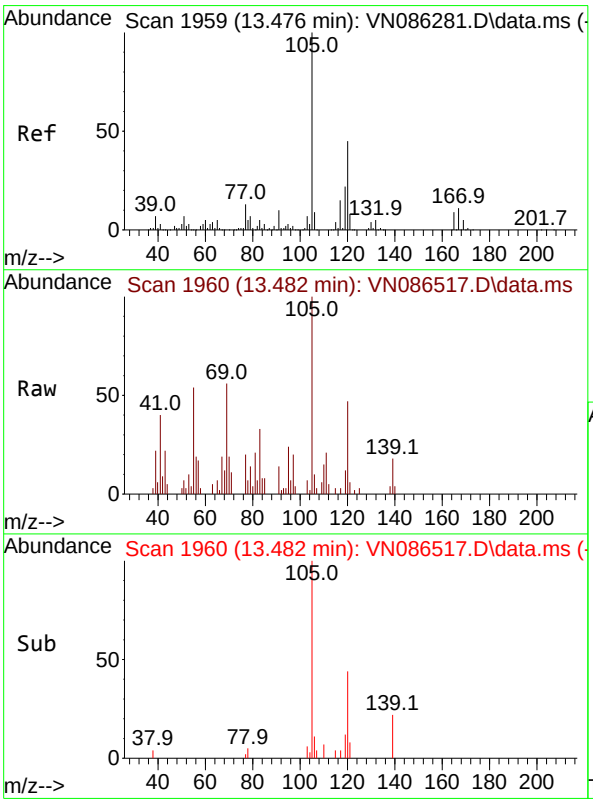
#82
4-Chlorotoluene
Concen: 5.534 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 91 Resp: 39744

Ion	Ratio	Lower	Upper
91	100		
126	36.3	16.2	48.6

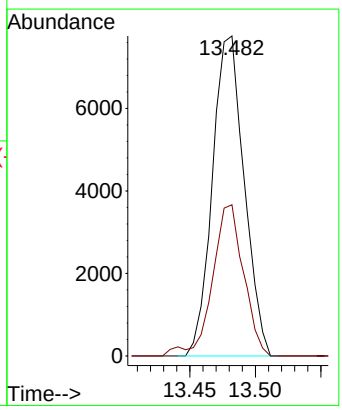


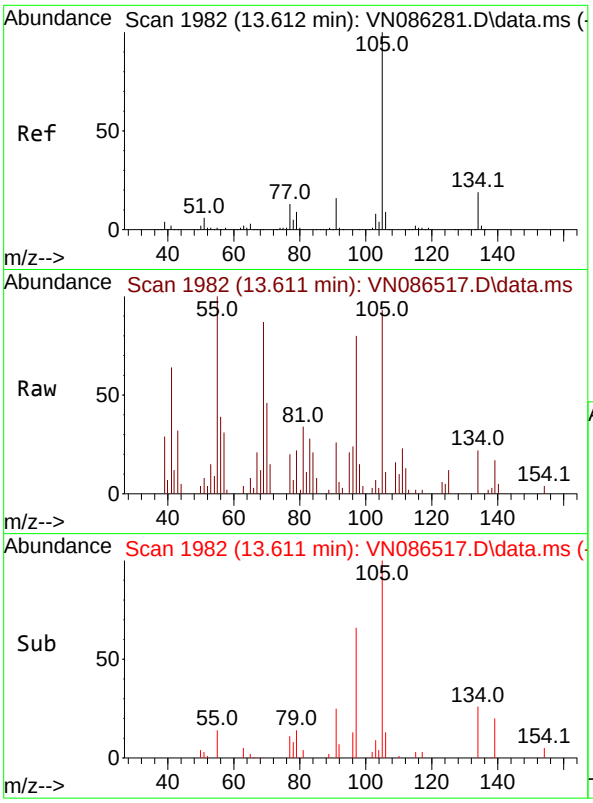


#84
1,2,4-Trimethylbenzene
Concen: 1.596 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:105 Resp: 13040

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.4	67.3



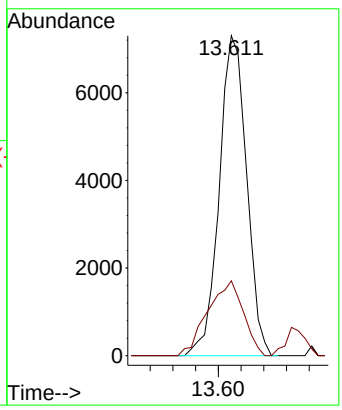


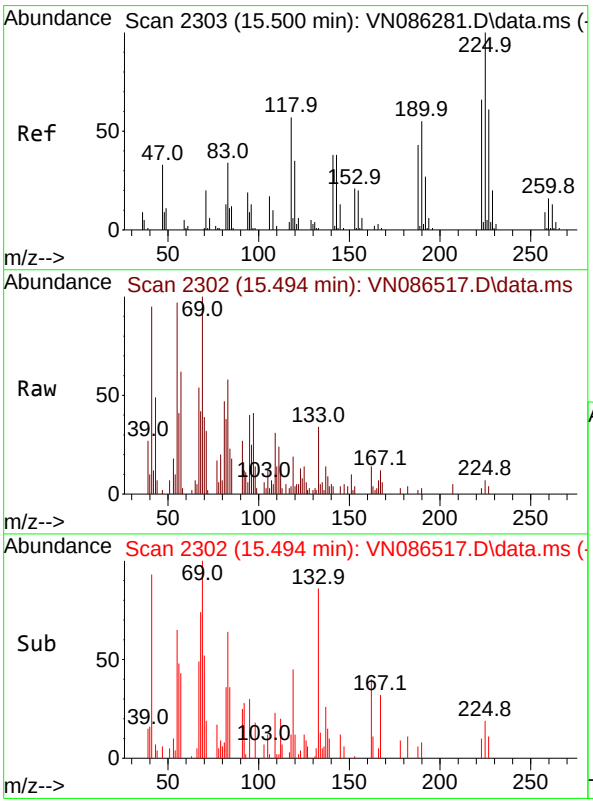
#85
sec-Butylbenzene
Concen: 1.266 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:105 Resp: 12216

Ion	Ratio	Lower	Upper
105	100		
134	30.5	9.7	29.1#

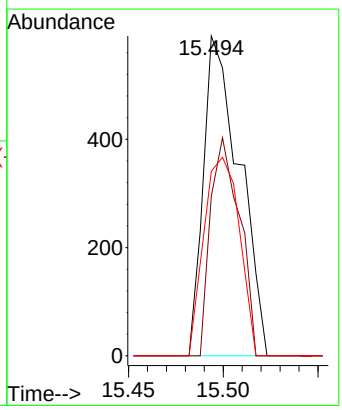


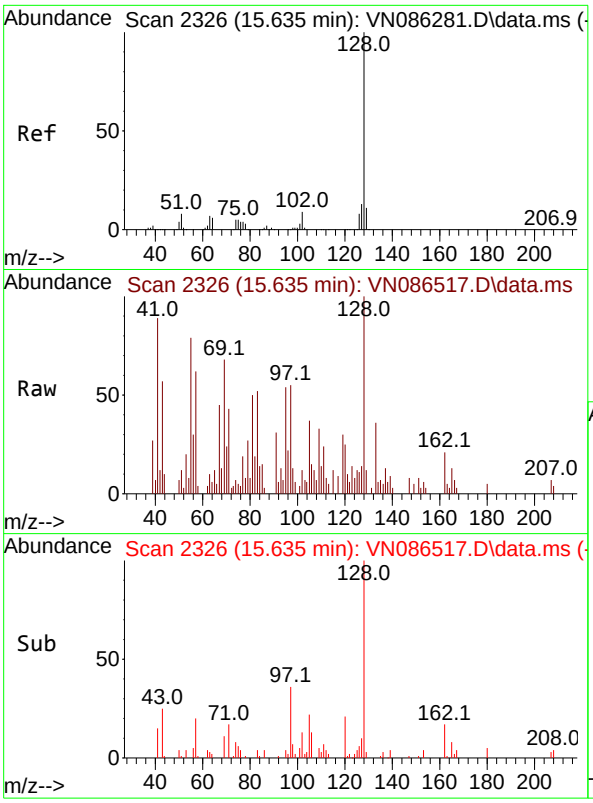


#94
Hexachlorobutadiene
Concen: 1.091 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:225 Resp: 781

Ion	Ratio	Lower	Upper
225	100		
223	55.1	32.8	98.3
227	61.2	31.4	94.0



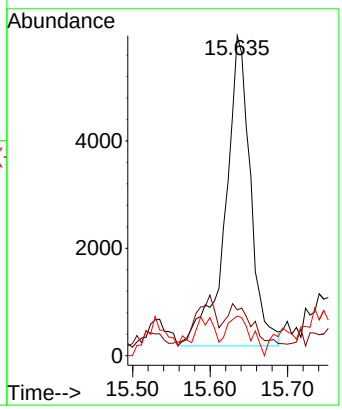


#95
Naphthalene
Concen: 1.932 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:128 Resp: 12987

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.2	15.4
129	12.4	8.6	13.0



Sample Results: **VN086517.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.800	136	144	147	rBV3	7505	17112	1.56%	0.110%
2	5.030	516	523	540	rVB3	4259	14613	1.33%	0.094%
3	8.159	1045	1055	1060	rBV	95850	235288	21.49%	1.509%
4	8.218	1060	1065	1077	rVB	201222	429203	39.21%	2.753%
5	8.571	1116	1125	1133	rBV	121996	274168	25.05%	1.758%
6	8.712	1142	1149	1155	rBV6	5893	17203	1.57%	0.110%
7	8.776	1157	1160	1166	rVV4	6758	15798	1.44%	0.101%
8	8.847	1167	1172	1181	rVB4	8123	18727	1.71%	0.120%
9	9.094	1206	1214	1226	rBV	305120	623333	56.94%	3.998%
10	9.594	1286	1299	1314	rBV5	39777	113743	10.39%	0.729%
11	9.859	1334	1344	1353	rVB4	14857	34431	3.15%	0.221%
12	10.000	1360	1368	1375	rBV3	19680	38485	3.52%	0.247%
13	10.141	1387	1392	1397	rBV2	8662	16663	1.52%	0.107%
14	10.323	1417	1423	1427	rBV2	10815	24025	2.19%	0.154%
15	10.365	1427	1430	1440	rVB2	9510	17125	1.56%	0.110%
16	10.565	1456	1464	1478	rBV	556289	1094659	100.00%	7.021%
17	10.688	1480	1485	1488	rBV4	11749	19988	1.83%	0.128%
18	10.741	1488	1494	1502	rVB4	33331	83607	7.64%	0.536%
19	10.859	1506	1514	1517	rBV3	15963	33271	3.04%	0.213%
20	10.906	1517	1522	1530	rVB	58202	108823	9.94%	0.698%
21	11.000	1531	1538	1548	rBV6	27928	79258	7.24%	0.508%
22	11.076	1548	1551	1558	rVB3	25009	40926	3.74%	0.262%
23	11.165	1558	1566	1573	rBV	68643	125743	11.49%	0.806%
24	11.265	1573	1583	1592	rBV	46986	112487	10.28%	0.721%
25	11.347	1592	1597	1600	rBV4	21882	38092	3.48%	0.244%
26	11.412	1600	1608	1612	rVV	58621	113308	10.35%	0.727%
27	11.465	1612	1617	1623	rVB	120591	222053	20.29%	1.424%
28	11.517	1623	1626	1630	rBV2	11723	15910	1.45%	0.102%
29	11.565	1630	1634	1639	rVV	77915	127925	11.69%	0.820%
30	11.612	1639	1642	1647	rVB3	32185	48744	4.45%	0.313%
31	11.670	1647	1652	1658	rVB	61322	101204	9.25%	0.649%
32	11.735	1658	1663	1668	rVB	24441	36061	3.29%	0.231%
33	11.800	1668	1674	1676	rBV6	6777	12696	1.16%	0.081%
34	11.865	1677	1685	1697	rBV	448058	820332	74.94%	5.261%
35	11.959	1697	1701	1704	rBV4	17147	23985	2.19%	0.154%
36	12.000	1704	1708	1711	rBV2	26776	42445	3.88%	0.272%

Sample Results: **VN086517.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

37	12.041	1711	1715	1721	rVV6	41918	104485	9.54%	0.670%
38	12.106	1721	1726	1730	rVV	98122	170569	15.58%	1.094%
39	12.147	1730	1733	1739	rVB3	75691	125437	11.46%	0.804%
40	12.206	1739	1743	1751	rBV3	24629	63721	5.82%	0.409%
41	12.282	1751	1756	1763	rVB4	47615	93924	8.58%	0.602%
42	12.370	1763	1771	1782	rBV6	139208	416326	38.03%	2.670%
43	12.476	1783	1789	1794	rVB	188828	336389	30.73%	2.157%
44	12.588	1794	1808	1821	rBV4	232233	912310	83.34%	5.851%
45	12.729	1821	1832	1841	rVB8	95566	346905	31.69%	2.225%
46	12.847	1846	1852	1859	rVB	376450	628695	57.43%	4.032%
47	12.935	1859	1867	1870	rBV5	48185	103106	9.42%	0.661%
48	13.017	1876	1881	1887	rVB4	119650	223193	20.39%	1.431%
49	13.123	1887	1899	1902	rBV2	145631	403834	36.89%	2.590%
50	13.170	1902	1907	1912	rVV3	173993	404493	36.95%	2.594%
51	13.223	1912	1916	1922	rVB3	137937	229224	20.94%	1.470%
52	13.306	1925	1930	1934	rBV4	65479	113490	10.37%	0.728%
53	13.353	1934	1938	1940	rVV3	60408	78674	7.19%	0.505%
54	13.394	1940	1945	1951	rVB	208548	336090	30.70%	2.156%
55	13.517	1963	1966	1971	rVB2	46466	64611	5.90%	0.414%
56	13.570	1971	1975	1979	rVV3	62231	93118	8.51%	0.597%
57	13.611	1979	1982	1986	rVV3	29966	41030	3.75%	0.263%
58	13.676	1986	1993	1997	rVV4	124590	282793	25.83%	1.814%
59	13.711	1997	1999	2003	rVV2	77668	106339	9.71%	0.682%
60	13.788	2006	2012	2020	rVV	432351	762064	69.62%	4.888%
61	13.853	2020	2023	2030	rVB5	28438	55151	5.04%	0.354%
62	13.935	2031	2037	2041	rBV7	44198	85541	7.81%	0.549%
63	14.117	2061	2068	2071	rBV3	149299	292308	26.70%	1.875%
64	14.211	2080	2084	2087	rBV3	54385	82422	7.53%	0.529%
65	14.253	2087	2091	2096	rVV4	72042	140178	12.81%	0.899%
66	14.323	2100	2103	2107	rVV	65400	106671	9.74%	0.684%
67	14.358	2107	2109	2115	rVB	86189	125404	11.46%	0.804%
68	14.435	2116	2122	2127	rBV4	67933	138238	12.63%	0.887%
69	14.494	2128	2132	2138	rVB6	47368	82568	7.54%	0.530%
70	14.576	2142	2146	2149	rBV3	50391	90884	8.30%	0.583%
71	14.623	2149	2154	2158	rBV3	155420	229340	20.95%	1.471%
72	14.729	2168	2172	2175	rBV4	44106	67424	6.16%	0.432%
73	14.788	2179	2182	2185	rVV2	84466	145414	13.28%	0.933%
74	14.823	2185	2188	2195	rVB	144133	258228	23.59%	1.656%
75	15.035	2219	2224	2227	rBV4	128417	251903	23.01%	1.616%
76	15.076	2227	2231	2241	rVB2	181618	404378	36.94%	2.594%

Sample Results: **VN086517.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

77	15.223	2253	2256	2259	rVB4	26810	30928	2.83%	0.198%
78	15.264	2259	2263	2266	rBV4	34033	53228	4.86%	0.341%
79	15.311	2267	2271	2276	rVB5	71697	122223	11.17%	0.784%
80	15.588	2313	2318	2327	rBV	175483	305988	27.95%	1.962%
81	15.941	2370	2378	2385	rBV8	89442	293463	26.81%	1.882%
82	16.011	2387	2390	2400	rVB8	67583	155718	14.23%	0.999%
83	16.605	2486	2491	2500	rVB	115019	235623	21.52%	1.511%
84	16.776	2514	2520	2522	rBV2	111178	206453	18.86%	1.324%

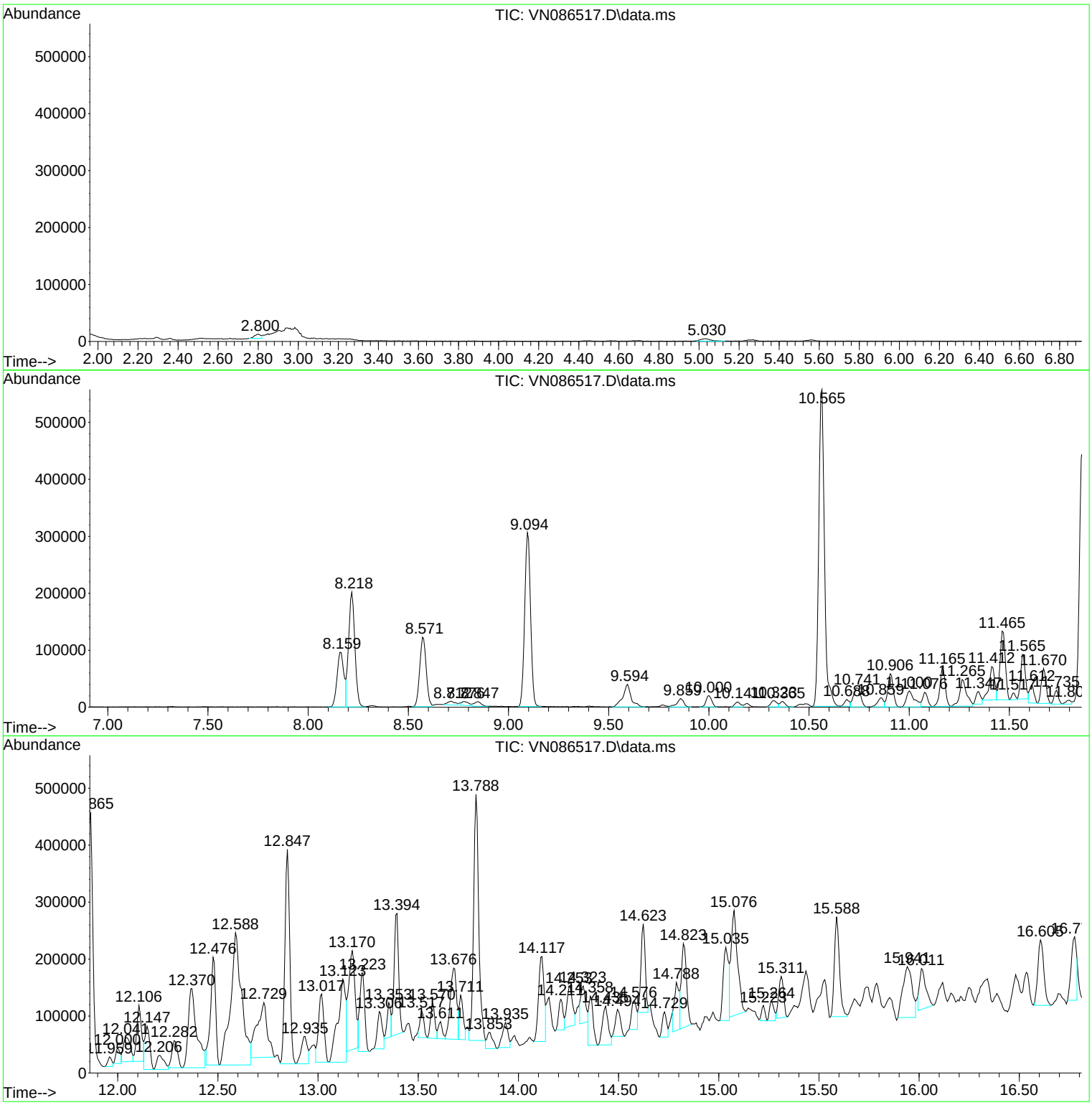
Sum of corrected areas: 15591930

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

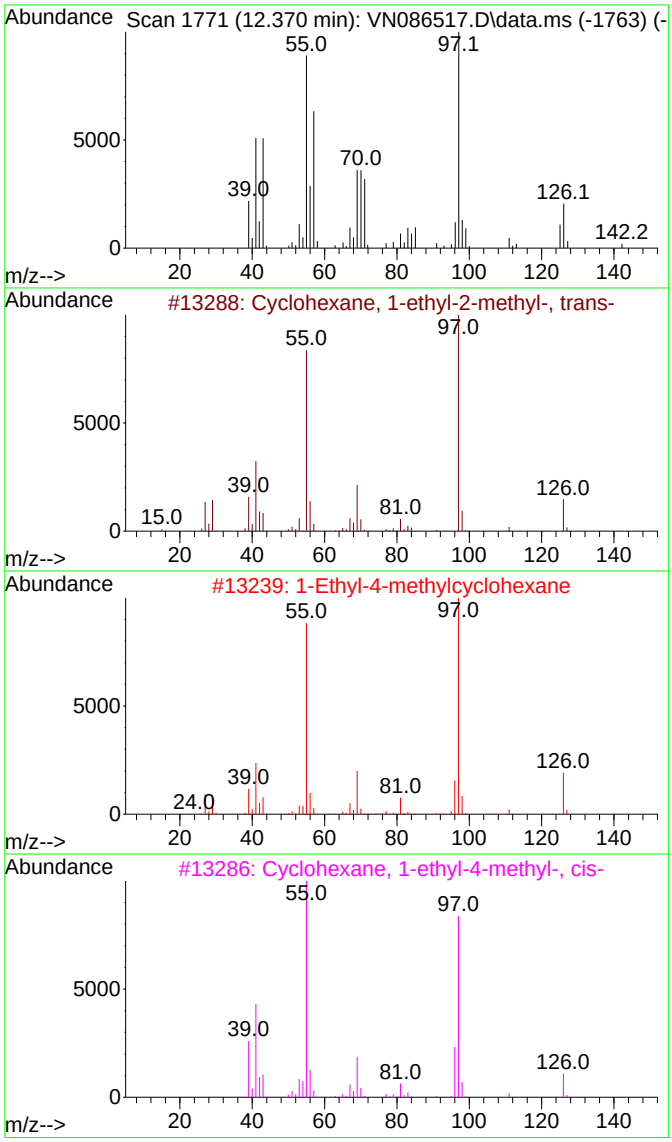
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

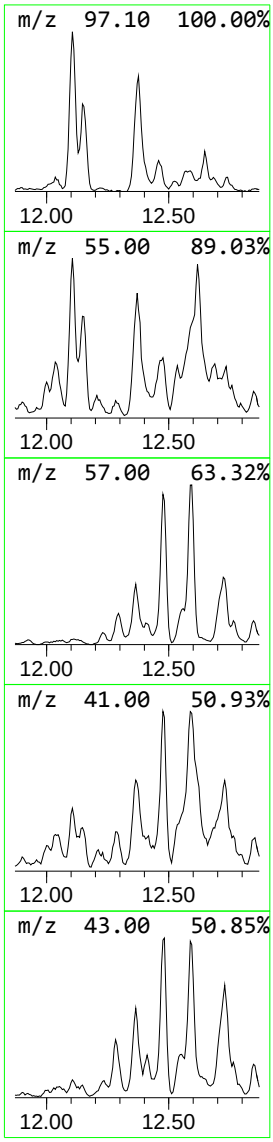
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.370	25.38 ug/l	416326	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

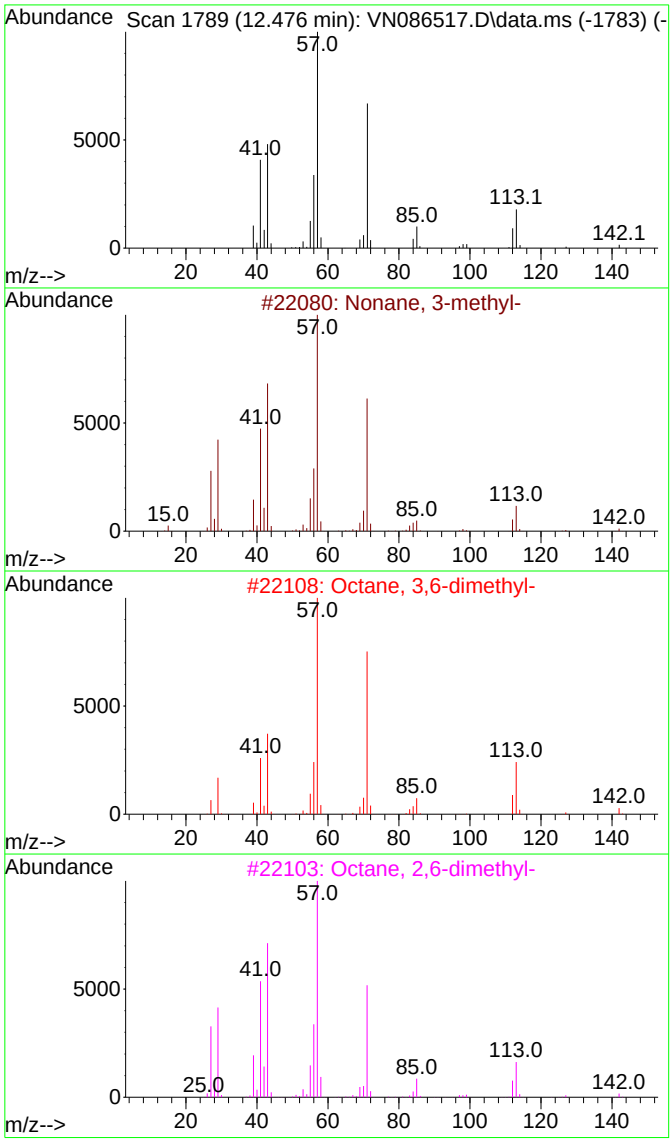
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

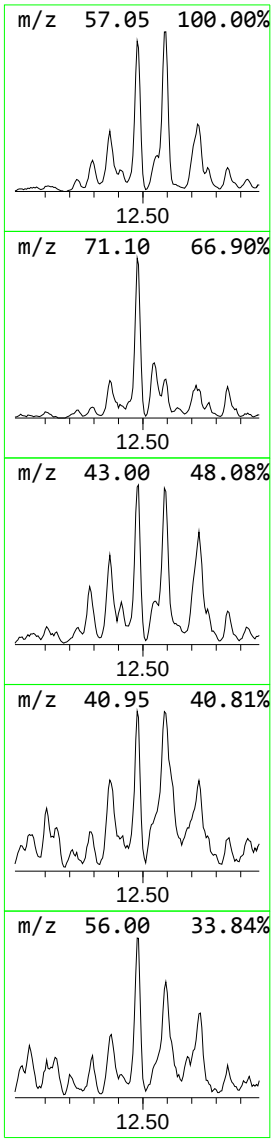
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.476	20.50 ug/l	336389	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

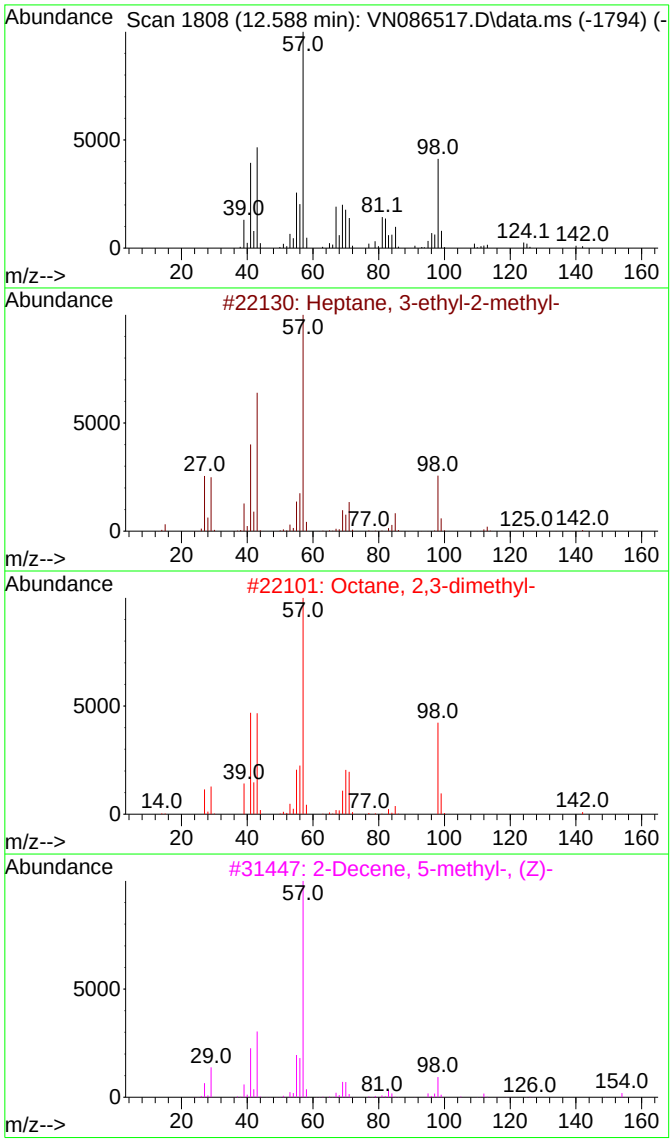
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

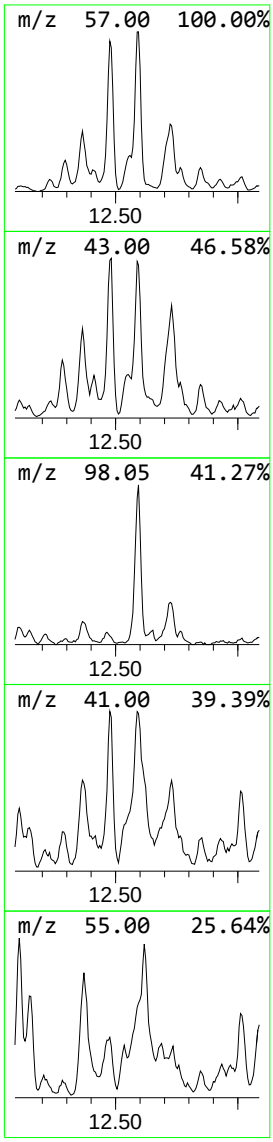
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	55.61 ug/l	912310	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	62
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	38
4	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	35
5	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

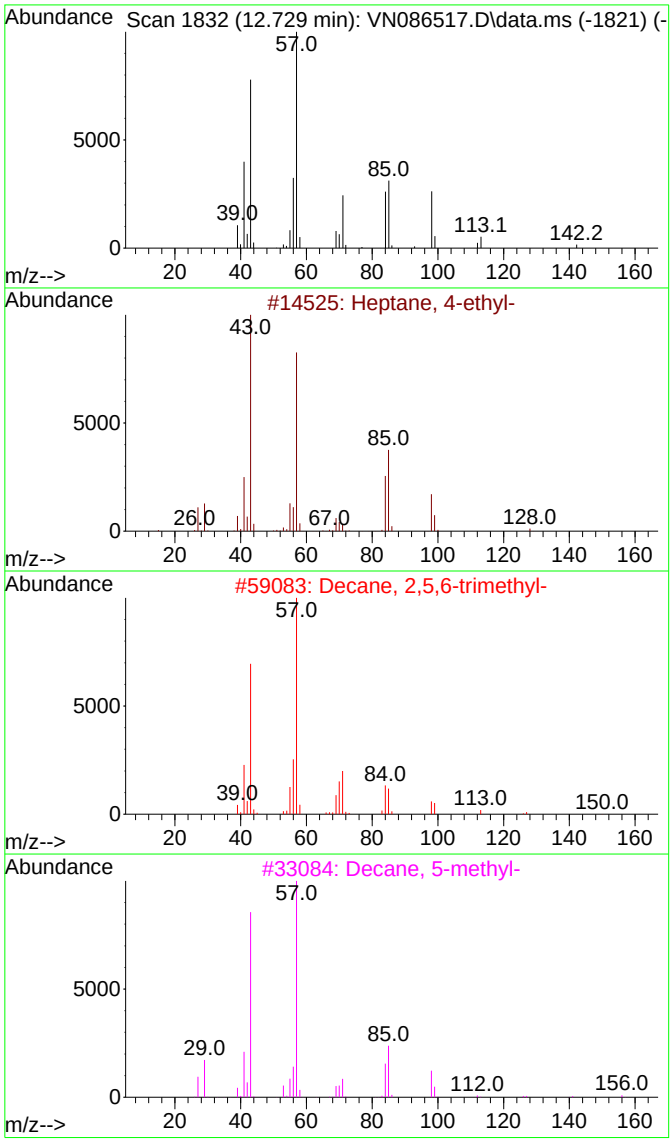
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

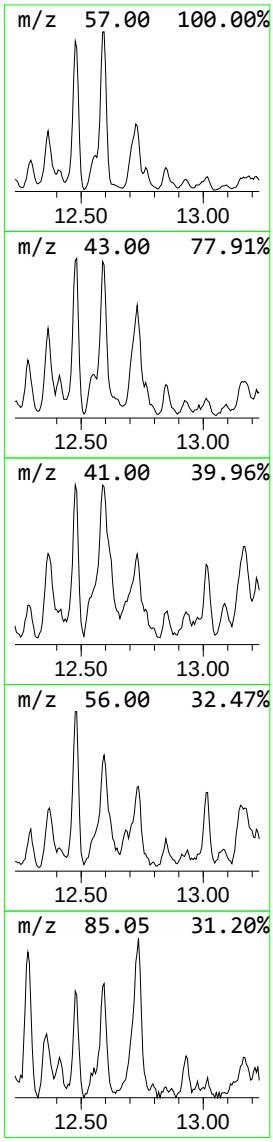
****

Peak Number 4 Heptane, 4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.729	21.14 ug/l	346905	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3	Decane, 5-methyl-	156	C11H24	013151-35-4	50
4	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

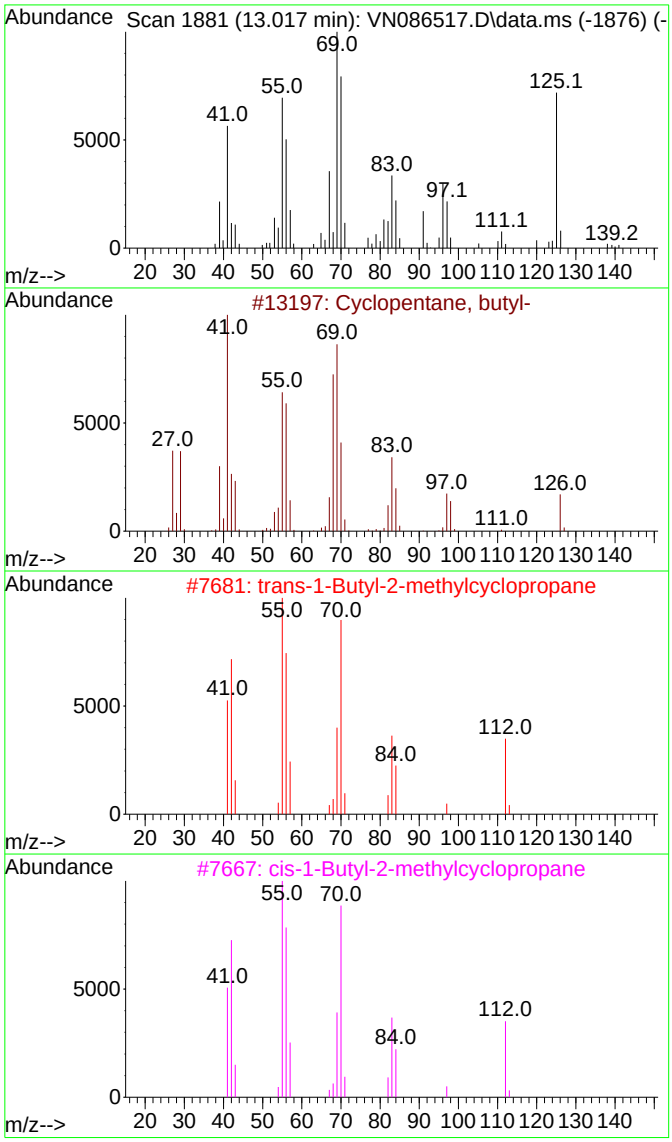
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

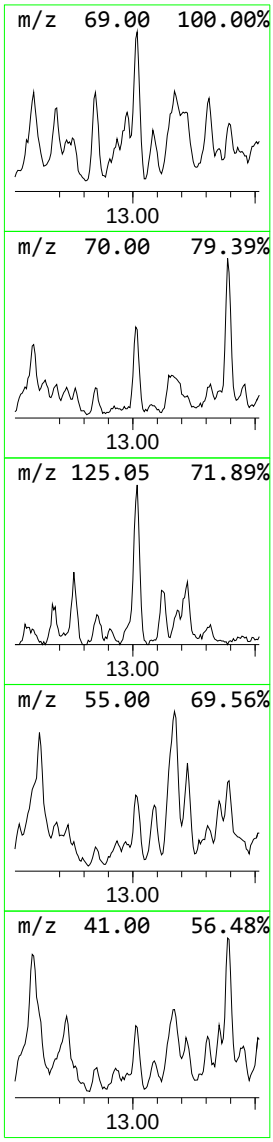
****

Peak Number 5 Cyclopentane, butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.017	14.64 ug/l	223193	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	52
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	35
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

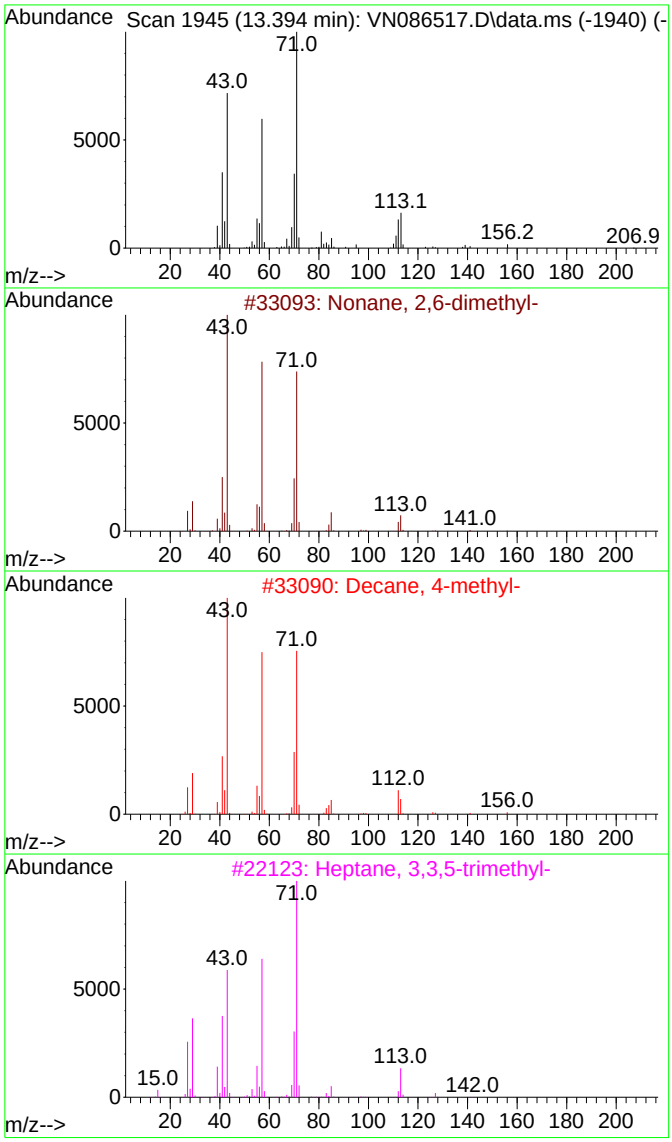
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

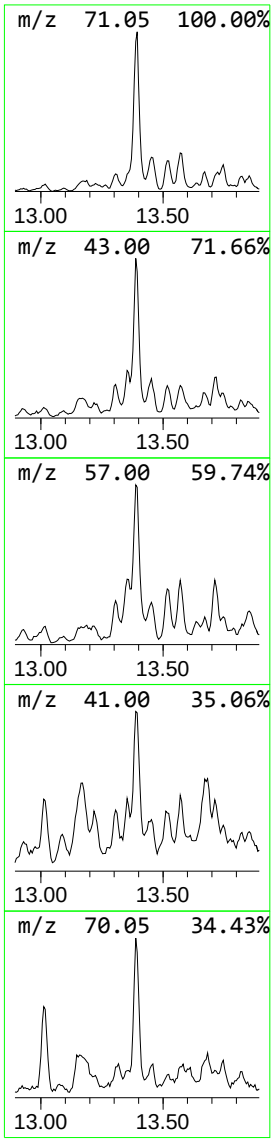
****

Peak Number 6 Nonane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.394	22.05 ug/l	336090	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
2	Decane, 4-methyl-	156	C11H24	002847-72-5	80
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

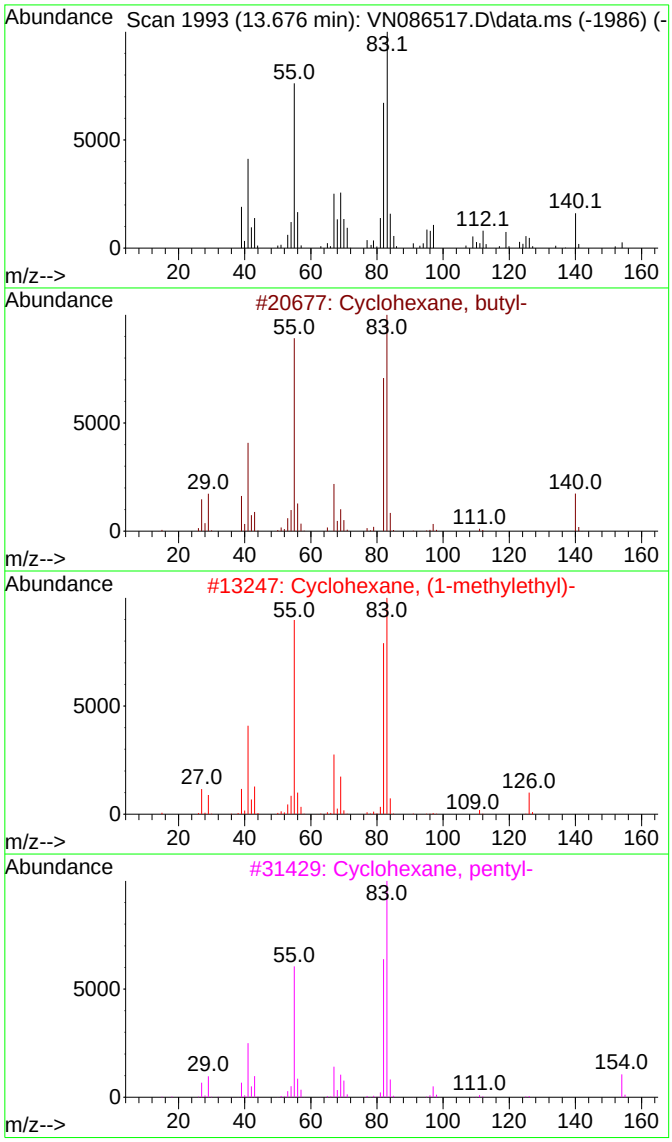
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

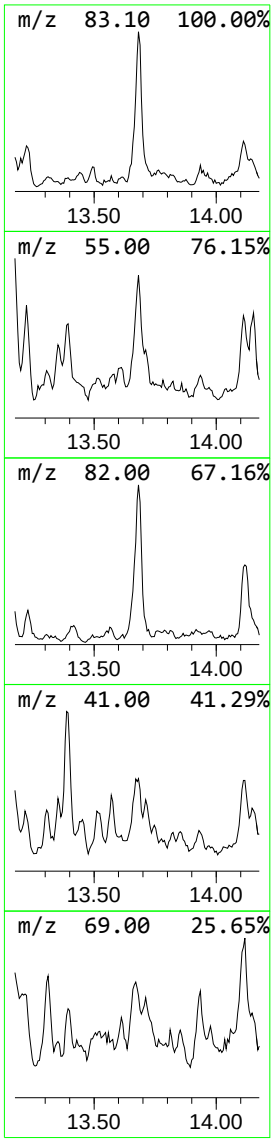
****

Peak Number 7 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	18.55 ug/l	282793	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	64





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Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

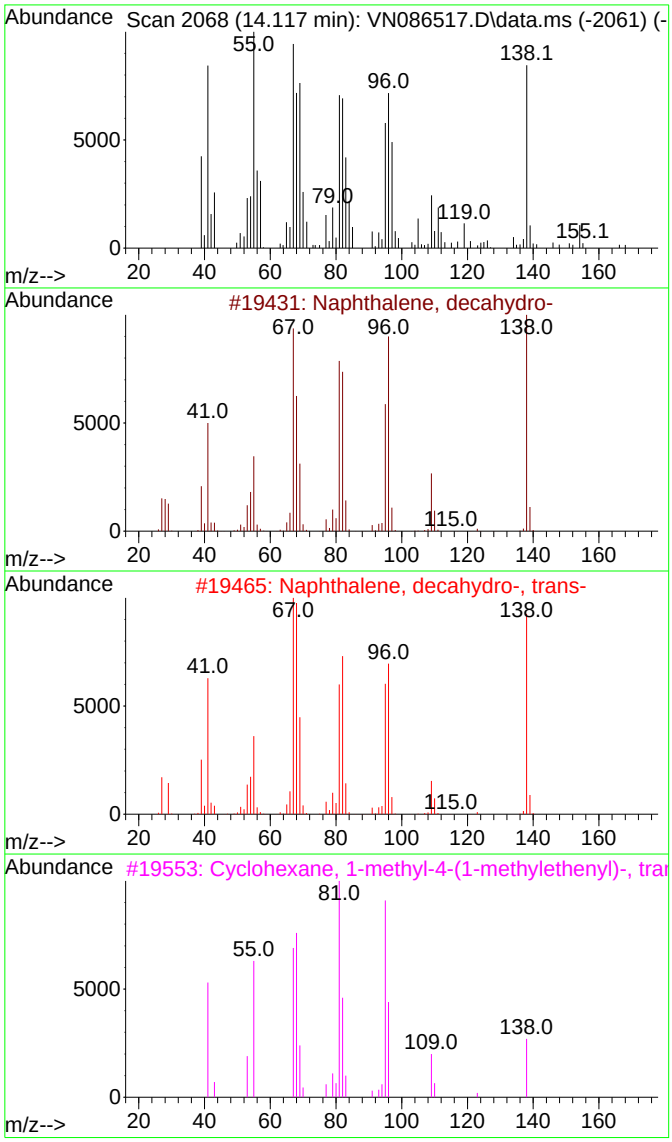
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

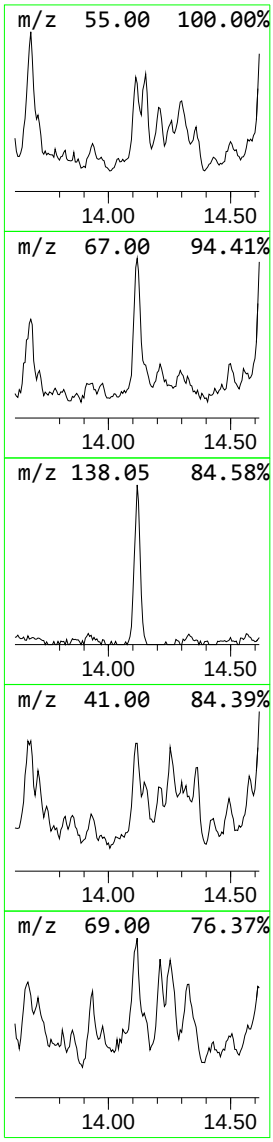
****

Peak Number 8 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.117	19.18 ug/l	292308	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	92
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	83
4	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	74
5	Spiro[4.5]decane	138	C10H18	000176-63-6	60





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Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

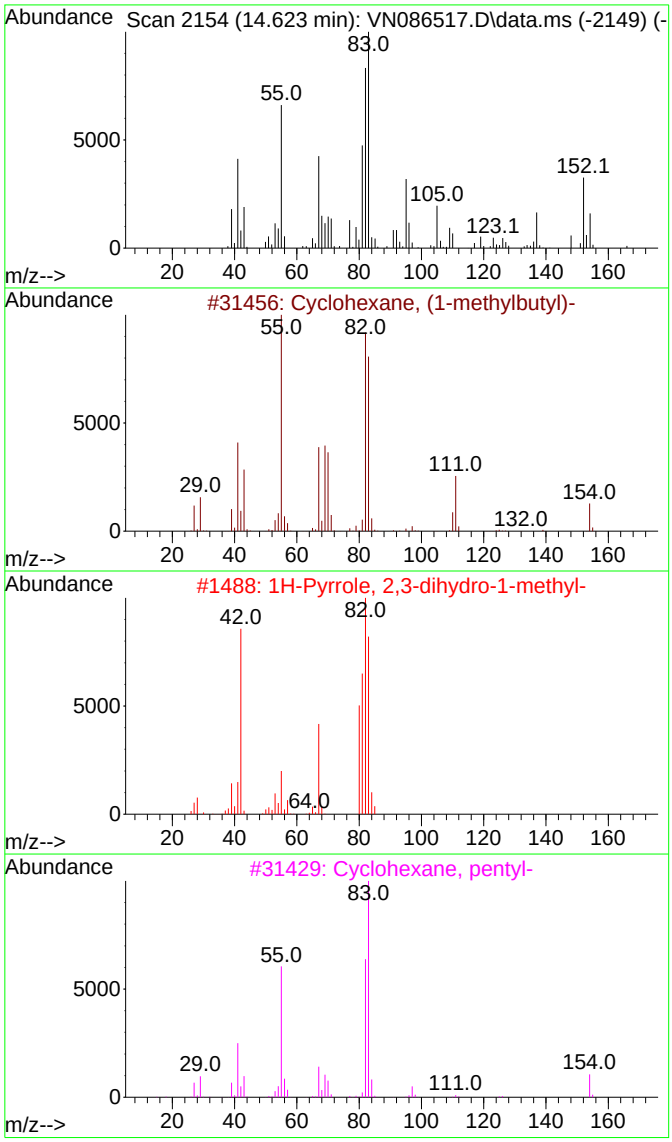
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

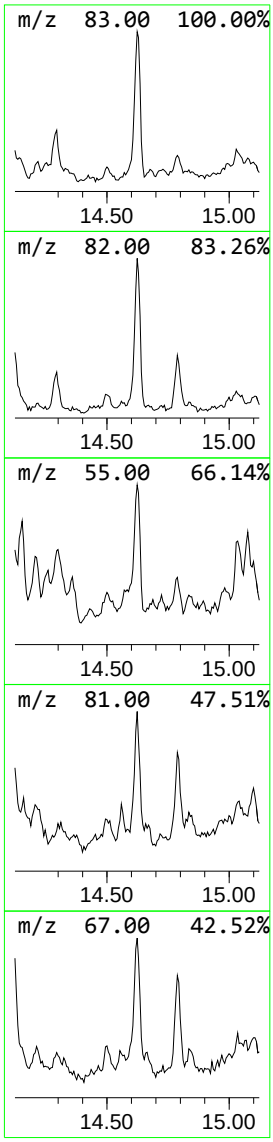
****

Peak Number 9 Cyclohexane, (1-methylbutyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.623	15.05 ug/l	229340	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	58
2	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	43
5	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	43





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Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

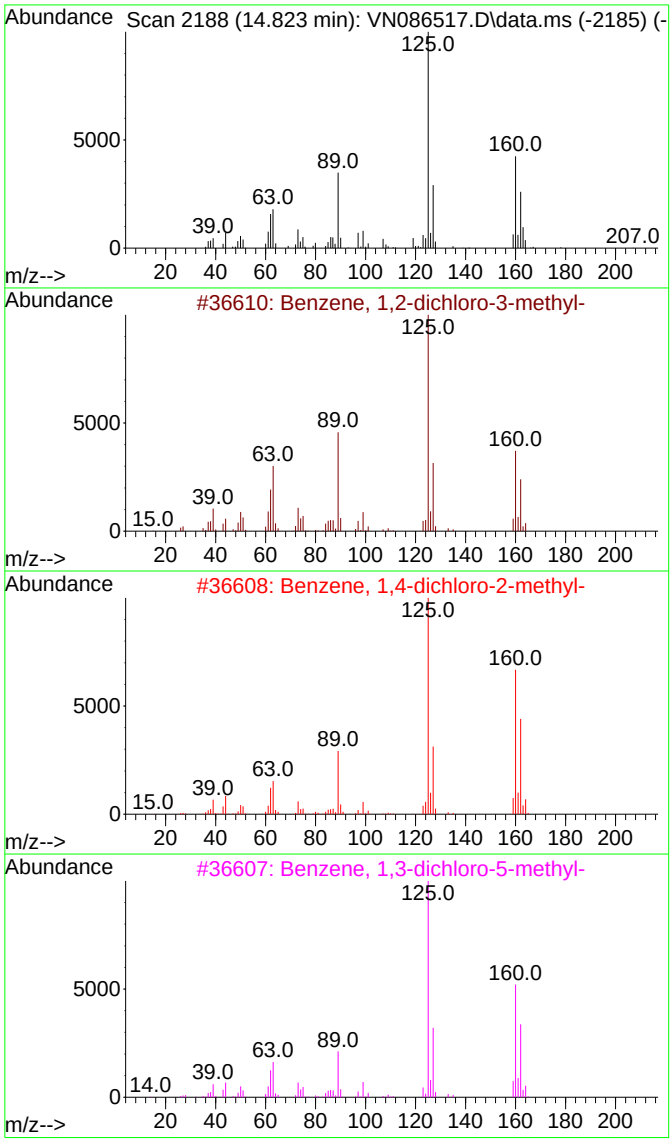
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

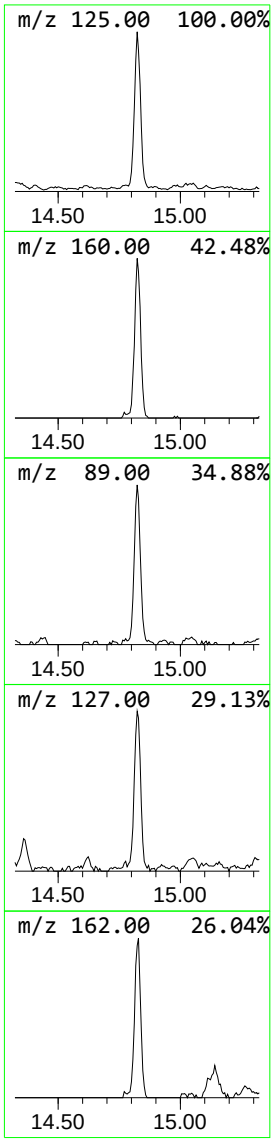
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2-dichloro-3-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.823	16.94 ug/l	258228	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	96
2	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
3	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
4	Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	95
5	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	94





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Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

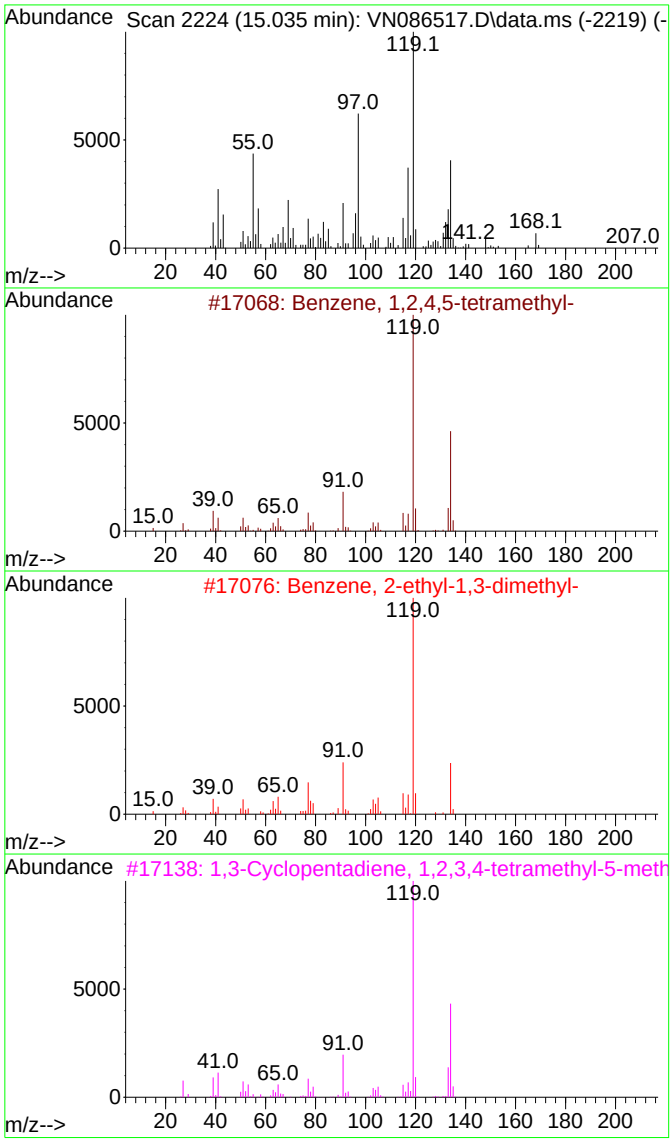
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

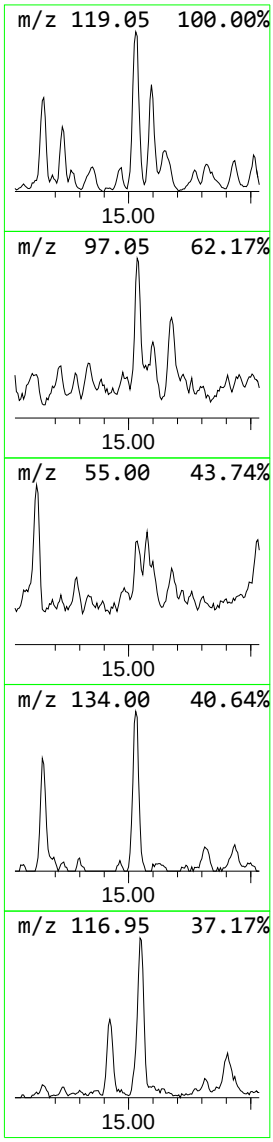
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	16.53 ug/l	251903	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60





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Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

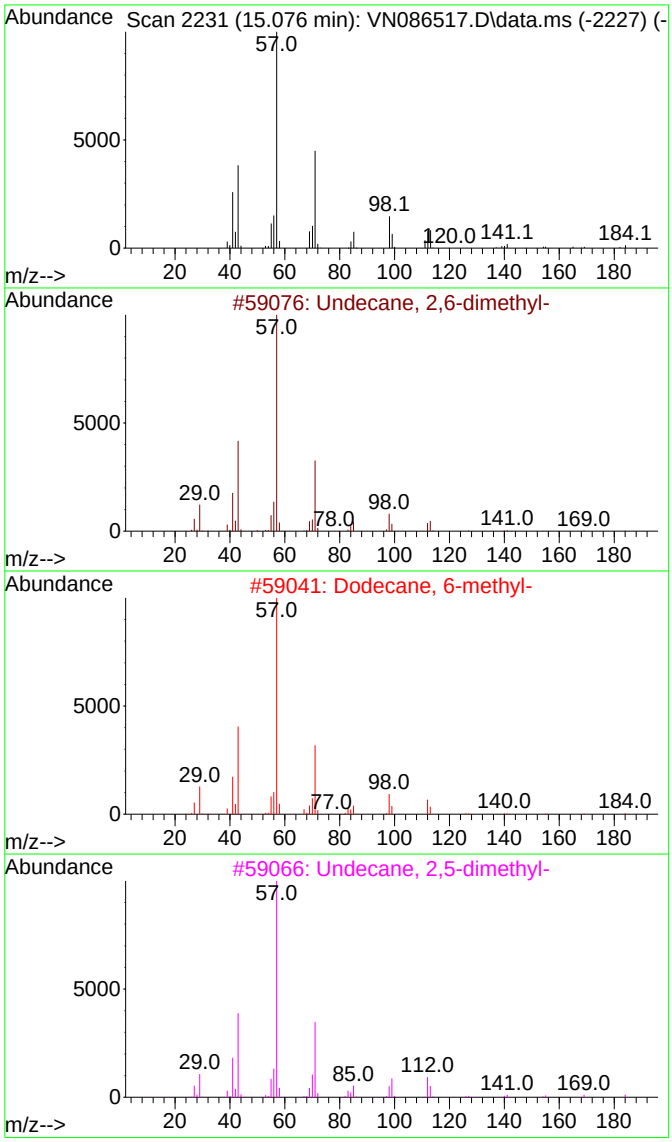
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

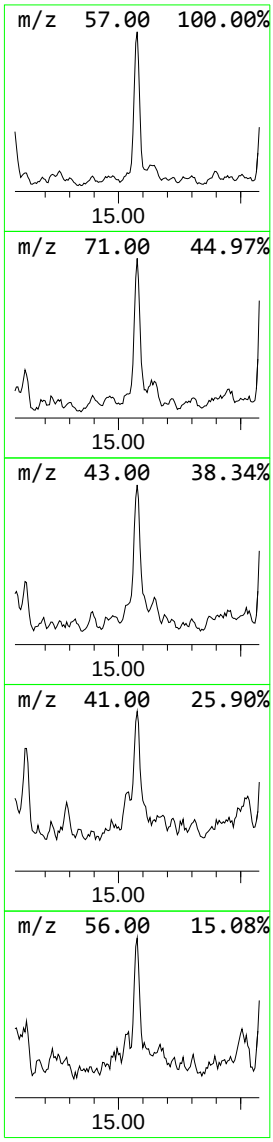
****

Peak Number 12 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.076	26.53 ug/l	404378	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	74
4	5-Ethyldecane	170	C12H26	017302-36-2	72
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	59





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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

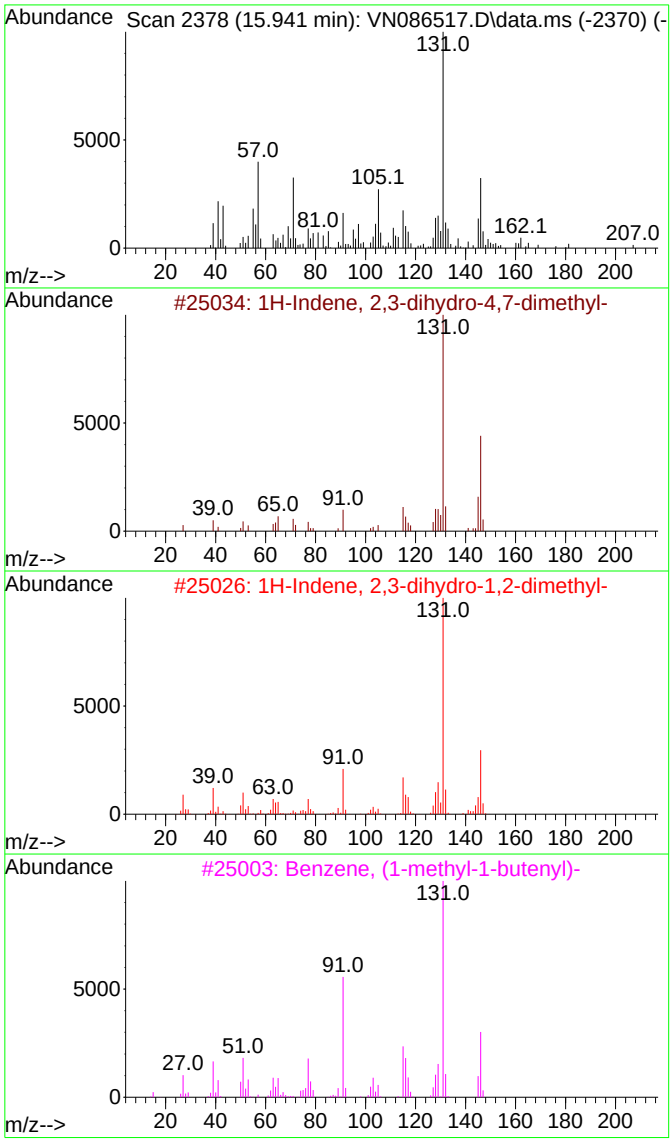
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

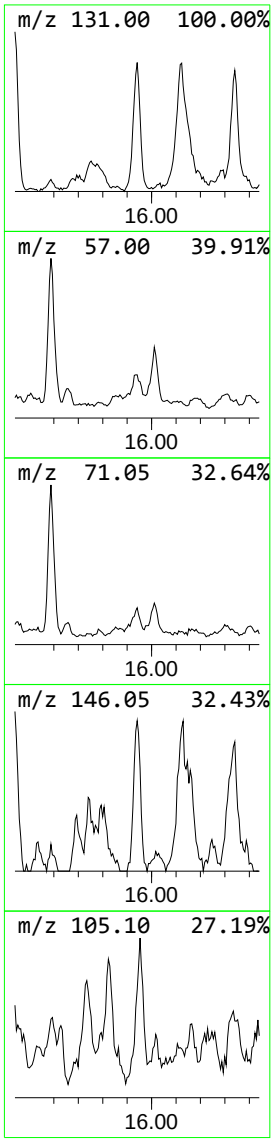
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.941	19.25 ug/l	293463	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76





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Data File : VN086517.D
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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

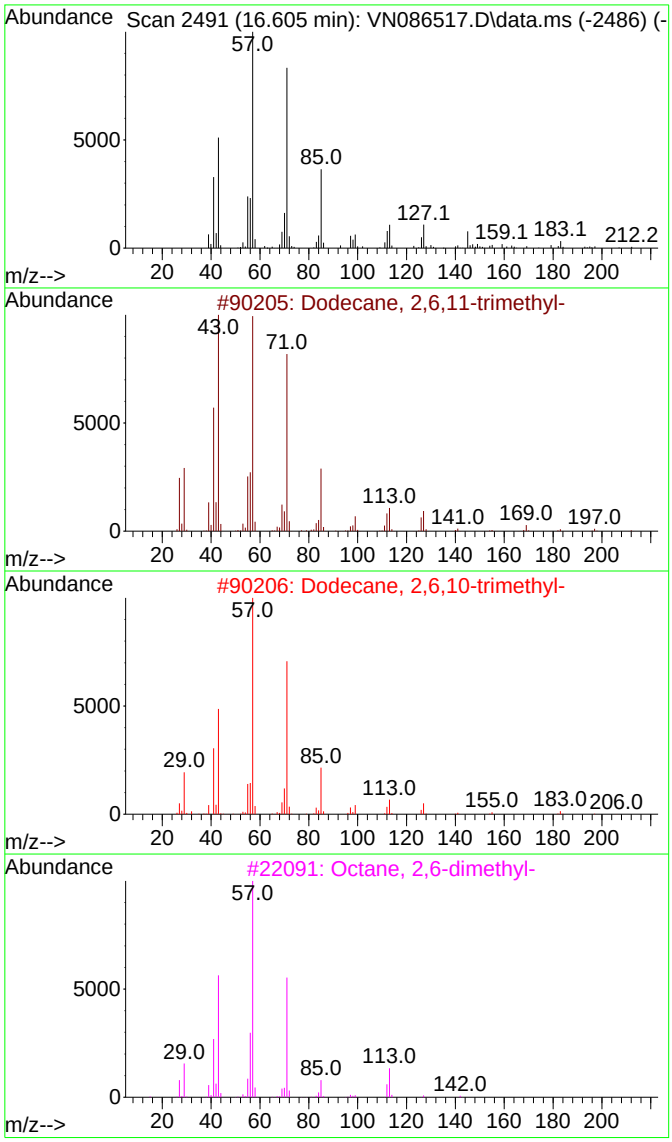
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

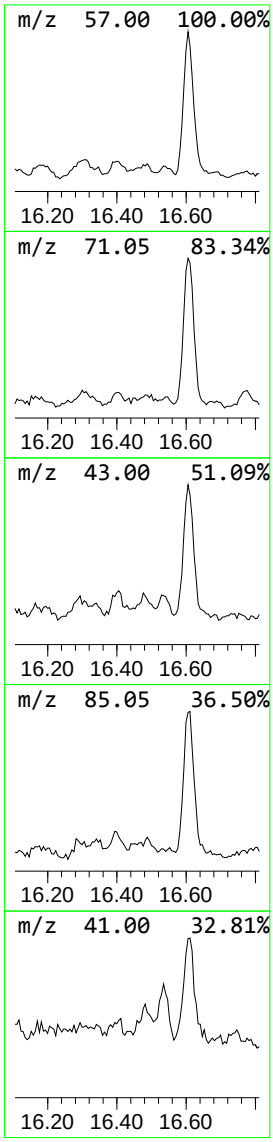
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Dodecane, 2,6,11-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.605	15.46 ug/l	235623	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
5	Decane, 5-propyl-	184	C13H28	017312-62-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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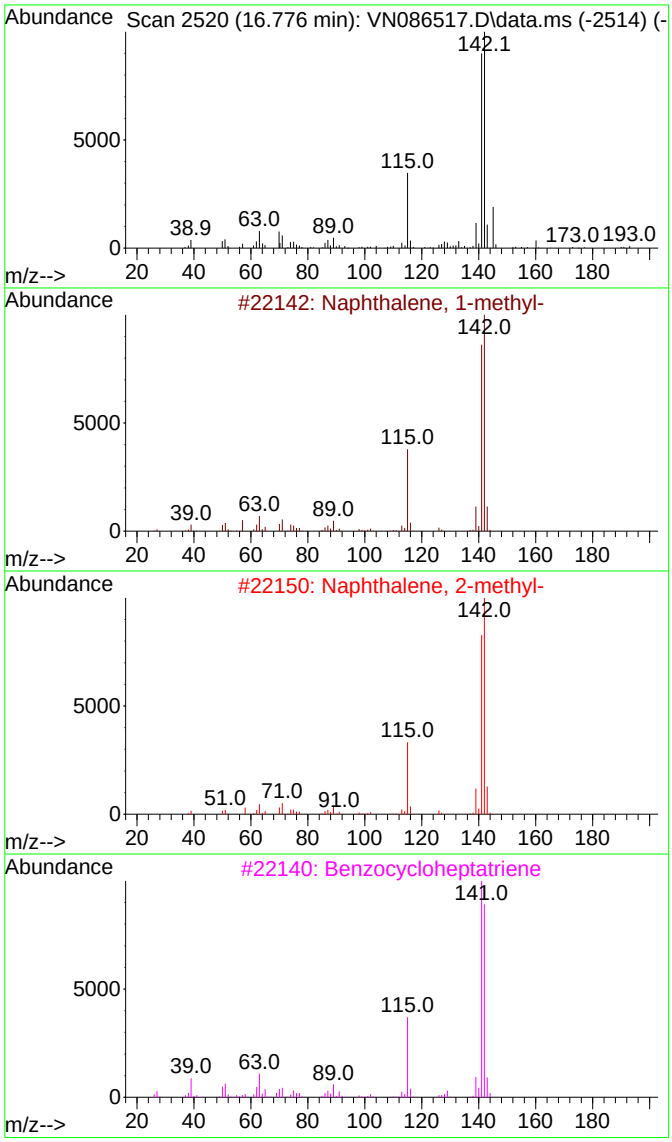
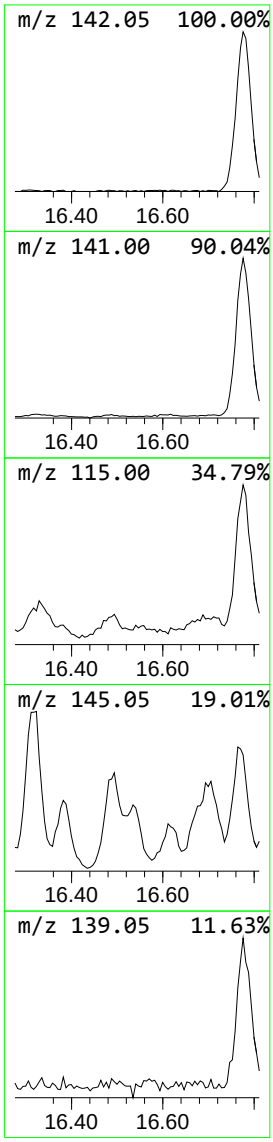
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	13.55 ug/l	206453	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1-...	12.370	25.4	ug/l	416326	3	11.865	820332	50.0
Nonane, 3-methyl-	12.476	20.5	ug/l	336389	3	11.865	820332	50.0
Heptane, 3-ethy...	12.588	55.6	ug/l	912310	3	11.865	820332	50.0
Heptane, 4-ethyl-	12.729	21.1	ug/l	346905	3	11.865	820332	50.0
Cyclopentane, b...	13.017	14.6	ug/l	223193	4	13.788	762064	50.0
Nonane, 2,6-dim...	13.394	22.1	ug/l	336090	4	13.788	762064	50.0
Cyclohexane, bu...	13.676	18.6	ug/l	282793	4	13.788	762064	50.0
Naphthalene, de...	14.117	19.2	ug/l	292308	4	13.788	762064	50.0
Cyclohexane, (1...	14.623	15.1	ug/l	229340	4	13.788	762064	50.0
Benzene, 1,2-di...	14.823	16.9	ug/l	258228	4	13.788	762064	50.0
Benzene, 1,2,4,...	15.035	16.5	ug/l	251903	4	13.788	762064	50.0
Undecane, 2,6-d...	15.076	26.5	ug/l	404378	4	13.788	762064	50.0
1H-Indene, 2,3-...	15.941	19.3	ug/l	293463	4	13.788	762064	50.0
Dodecane, 2,6,1...	16.605	15.5	ug/l	235623	4	13.788	762064	50.0
Naphthalene, 1-...	16.776	13.6	ug/l	206453	4	13.788	762064	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086558.D
Acq On : 09 May 2025 13:31
Operator : JC\MD
Sample : Q1939-03RE
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 09 23:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	160486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110945	47.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.340%			
35) Dibromofluoromethane	8.159	113	87540	62.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 125.540%#			
50) Toluene-d8	10.565	98	388474	52.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.847	95	140109	51.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						Qvalue
18) Methyl Acetate	5.018	43	10663	3.817	ug/l #	70
39) Methylcyclohexane	9.600	83	17676	5.339	ug/l	96
79) 2-Chlorotoluene	13.123	91	72183	9.142	ug/l	98
82) 4-Chlorotoluene	13.218	91	42374	5.403	ug/l	97
85) sec-Butylbenzene	13.612	105	10910	1.036	ug/l #	74
95) Naphthalene	15.635	128	10333m	1.408	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN086558.D**

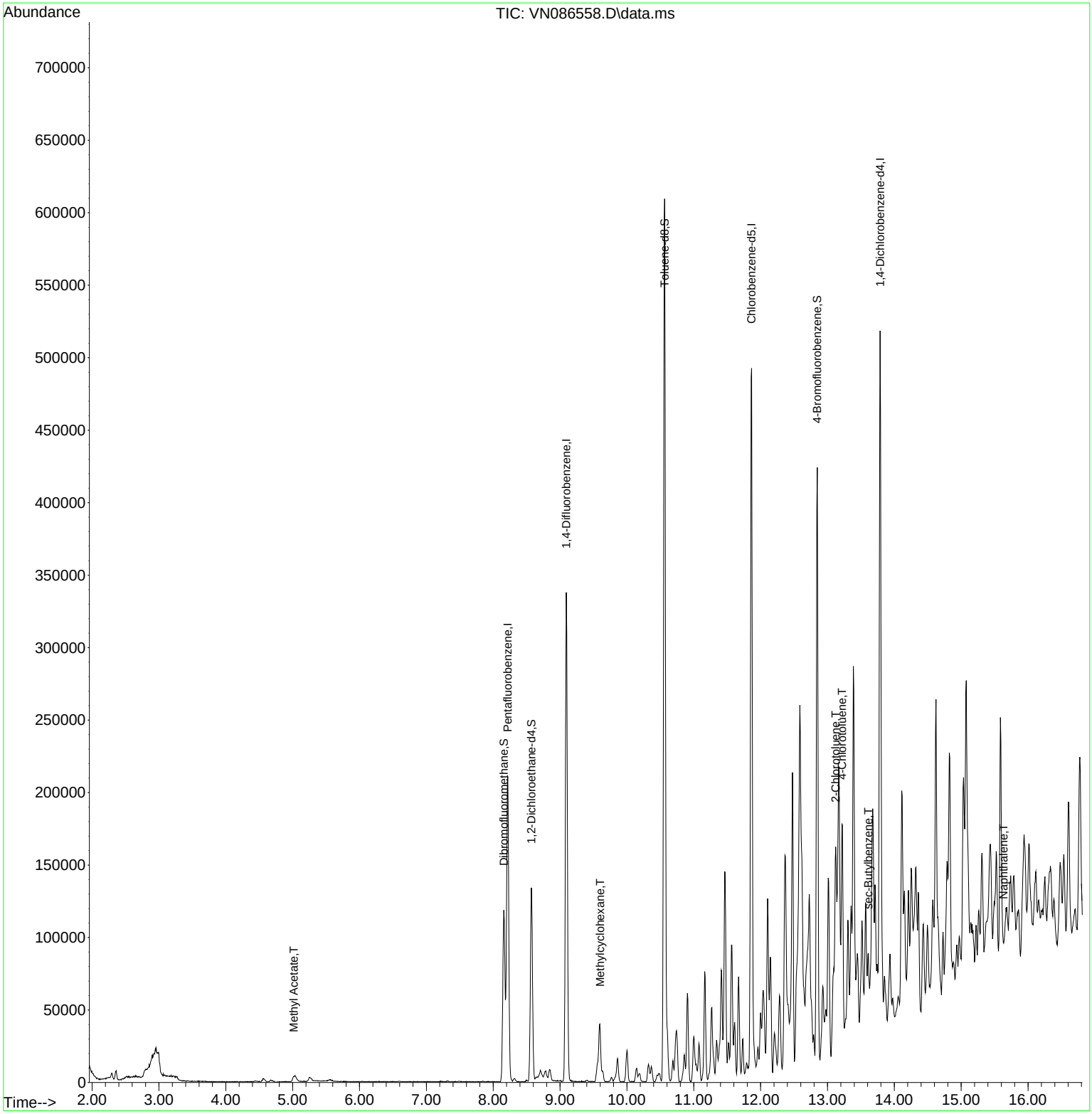
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086558.D
Acq On : 09 May 2025 13:31
Operator : JC\MD
Sample : Q1939-03RE
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

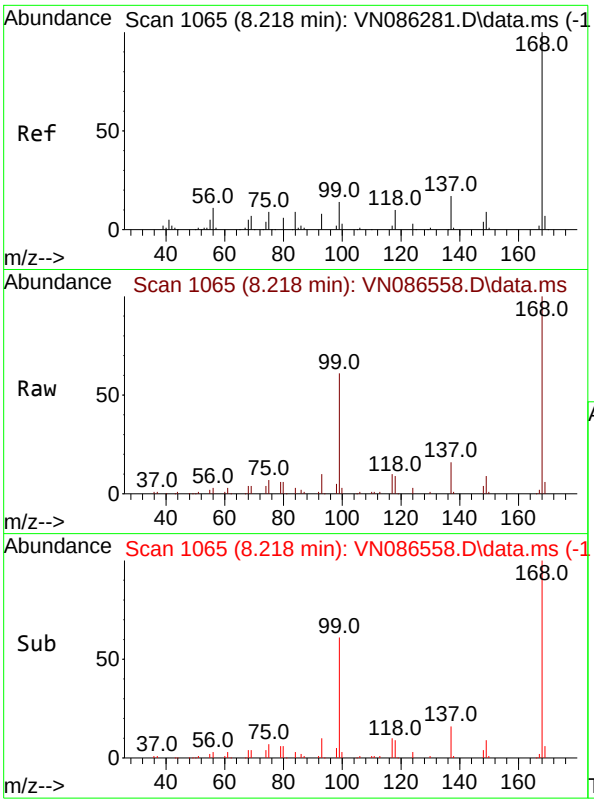
Quant Time: May 09 23:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

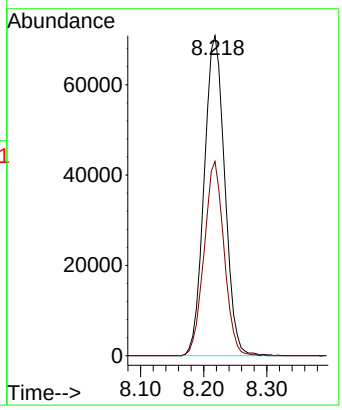




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:168 Resp: 16048

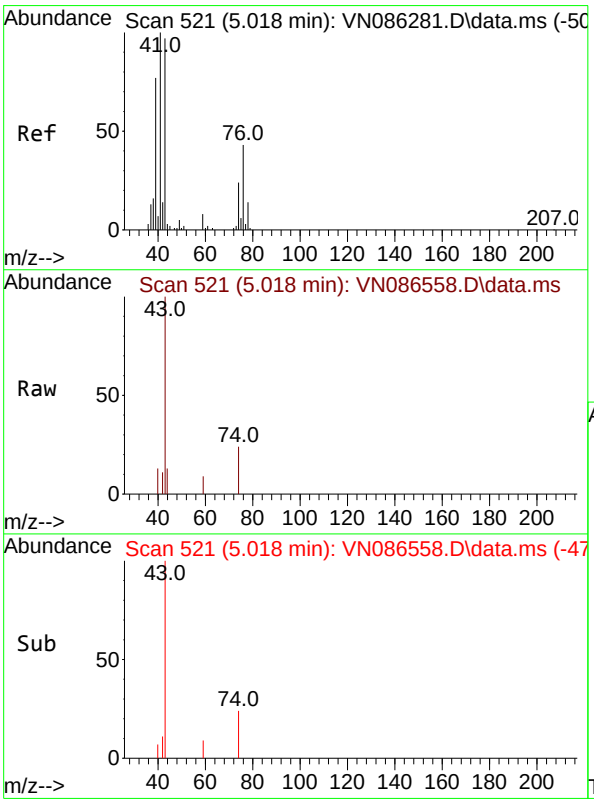
Ion	Ratio	Lower	Upper
168	100		
99	60.7	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

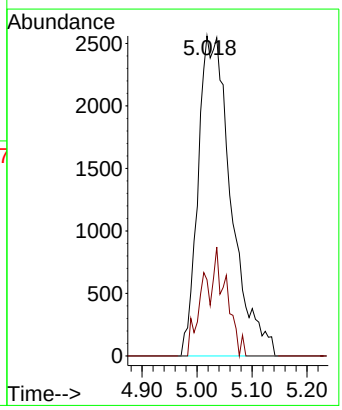
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

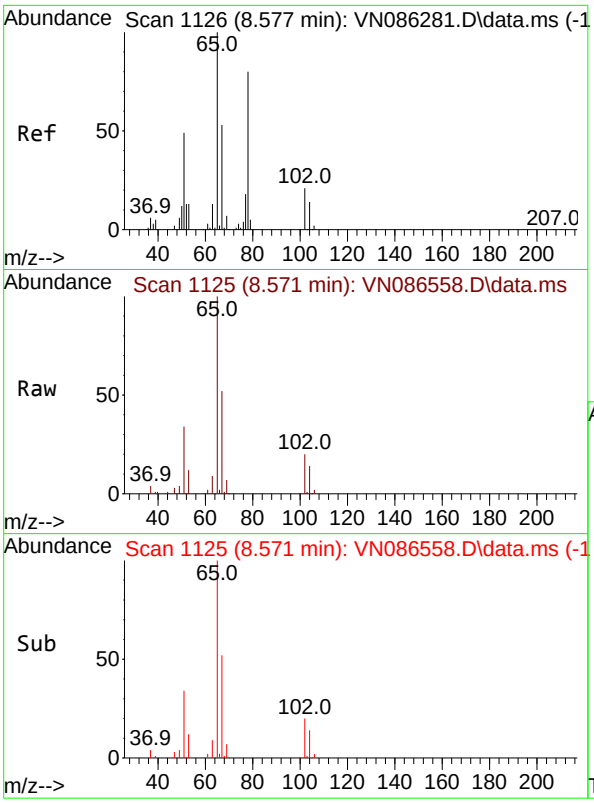


#18
Methyl Acetate
Concen: 3.817 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 43 Resp: 10663

Ion	Ratio	Lower	Upper
43	100		
74	9.7	19.8	29.6#

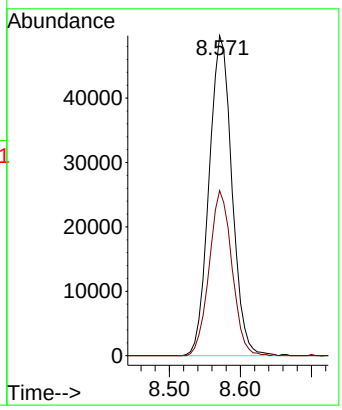




#33
1,2-Dichloroethane-d4
Concen: 47.673 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 65 Resp: 11094

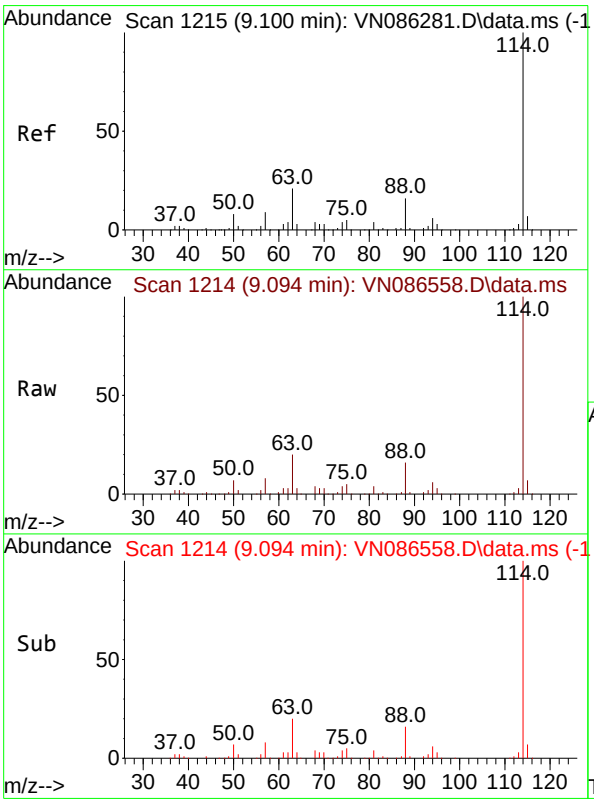
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

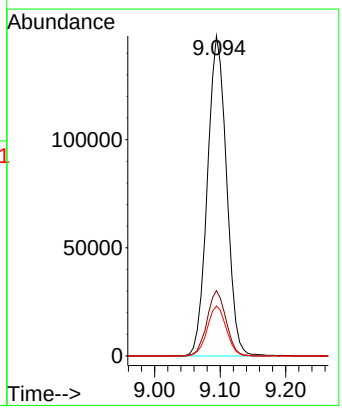
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

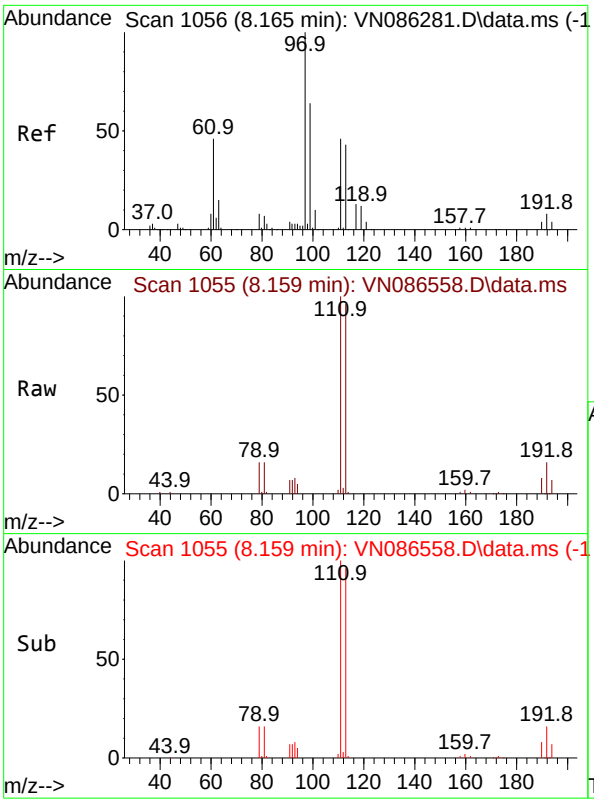


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:114 Resp: 300494

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	15.6	0.0	31.8

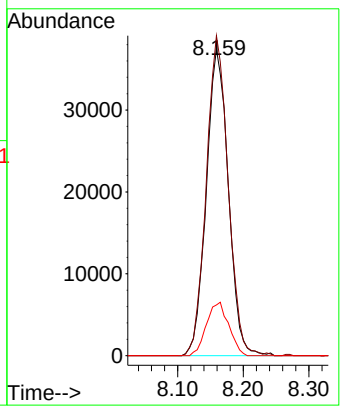




#35
Dibromofluoromethane
Concen: 62.769 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:113 Resp: 8754

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.0
192	17.6	13.7	20.5



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
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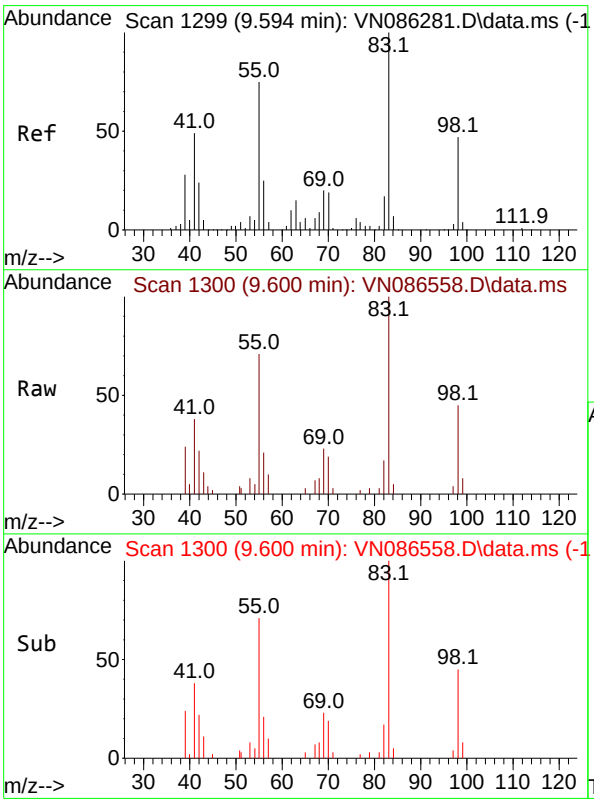
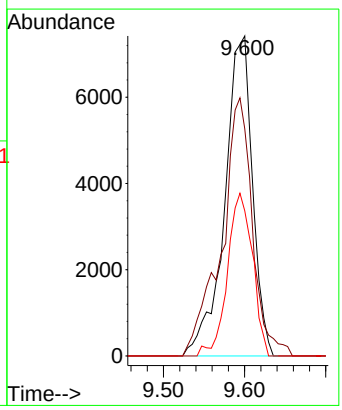
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

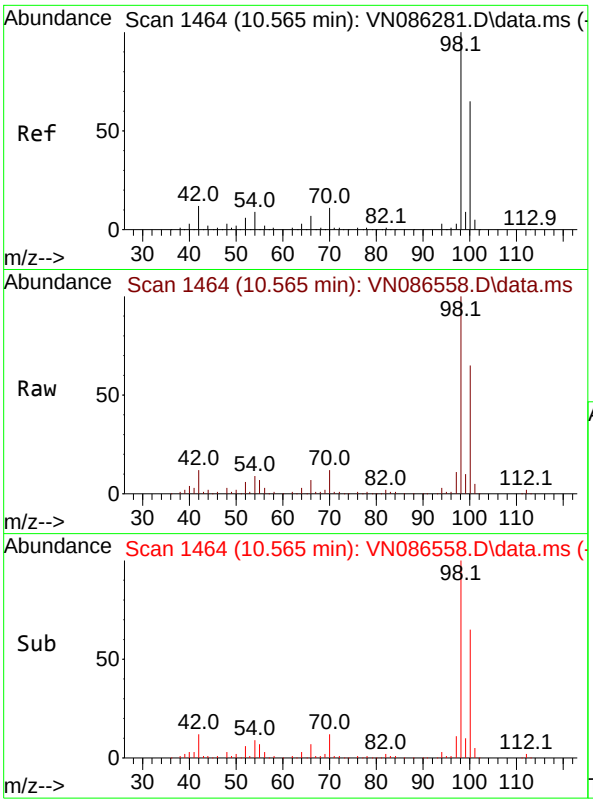


#39
Methylcyclohexane
Concen: 5.339 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 83 Resp: 17676

Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.8	89.8
98	45.4	37.9	56.9

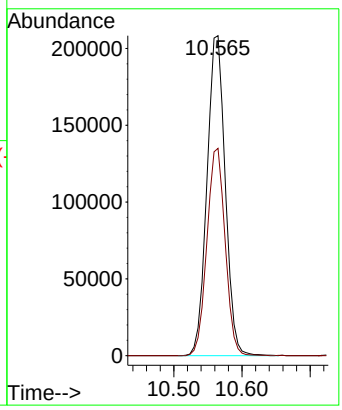




#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 98 Resp: 38847

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
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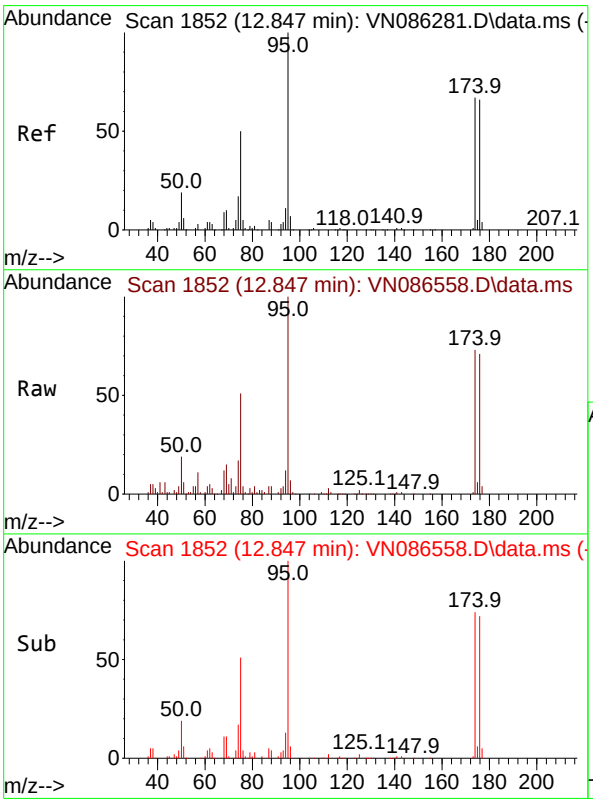
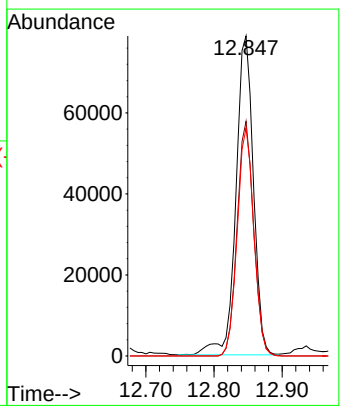
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

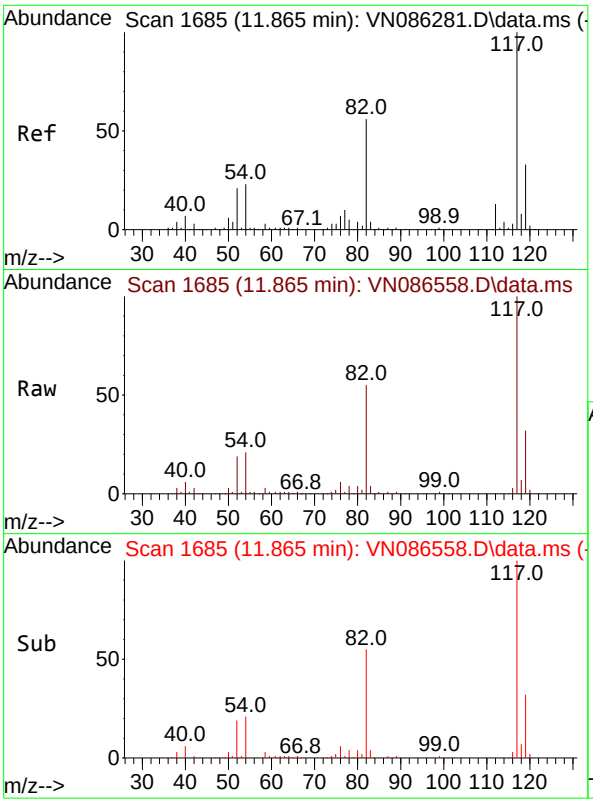


#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 95 Resp: 140109

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	133.4
176	67.8	0.0	129.2

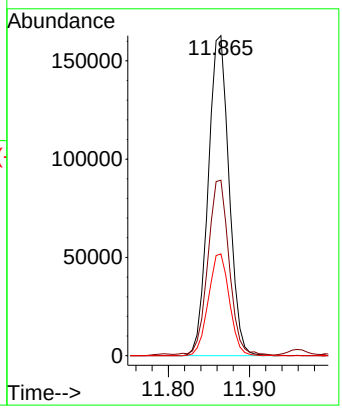




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:117 Resp: 28988

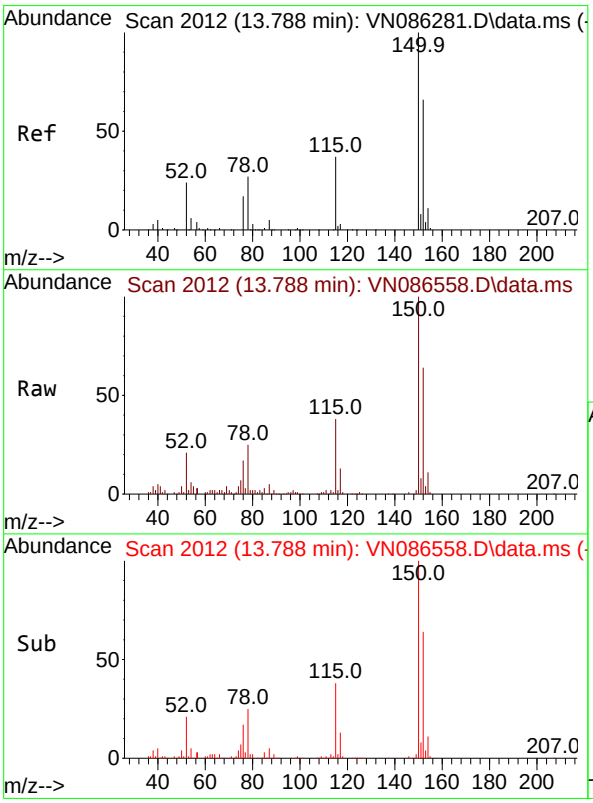
Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.7	67.1
119	31.8	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

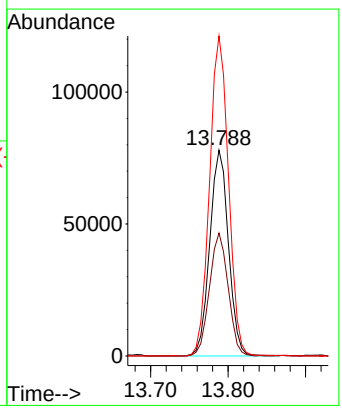
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

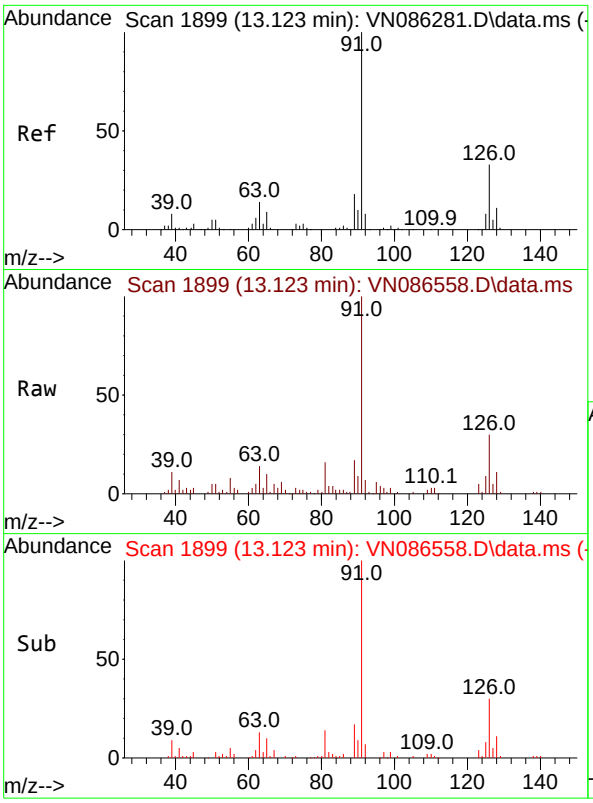


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:152 Resp: 130900

Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.9	95.9
150	156.8	0.0	352.0

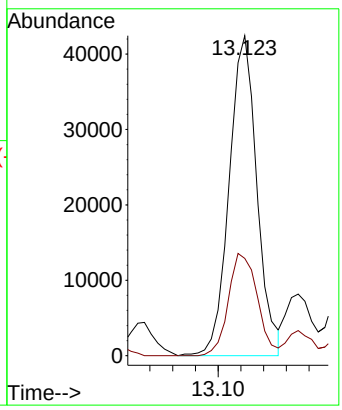




#79
2-Chlorotoluene
Concen: 9.142 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 91 Resp: 7218

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.2



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
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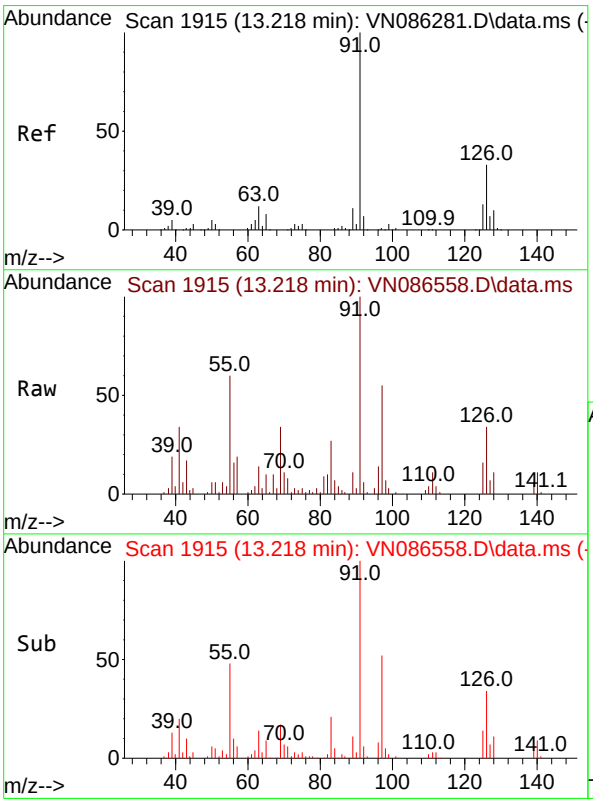
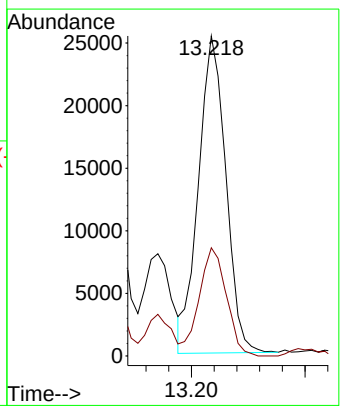
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

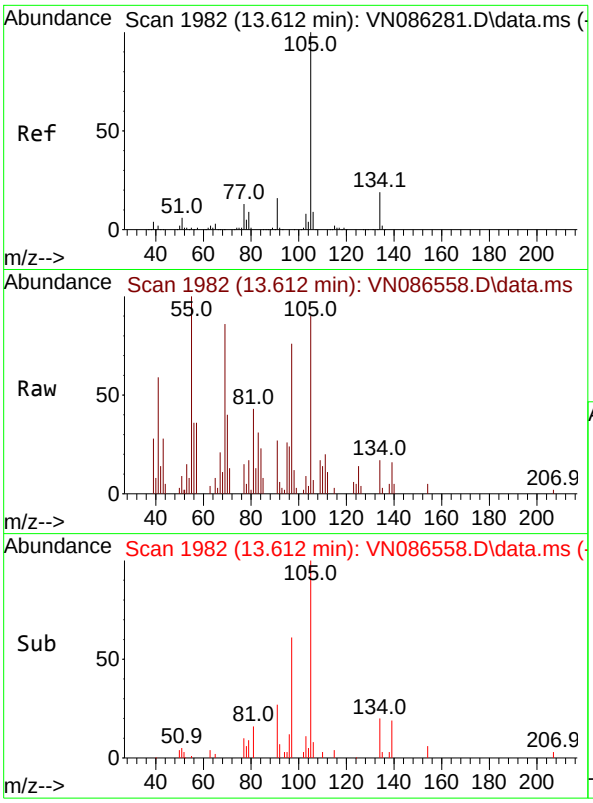


#82
4-Chlorotoluene
Concen: 5.403 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 91 Resp: 42374

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.2	48.6

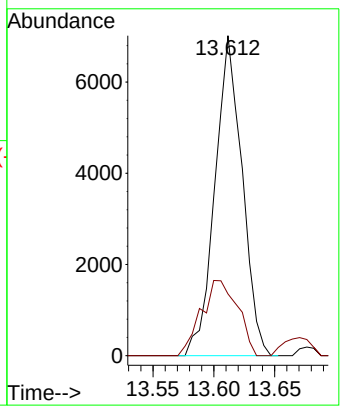




#85
sec-Butylbenzene
Concen: 1.036 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:105 Resp: 1091

Ion	Ratio	Lower	Upper
105	100		
134	31.4	9.7	29.1#



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
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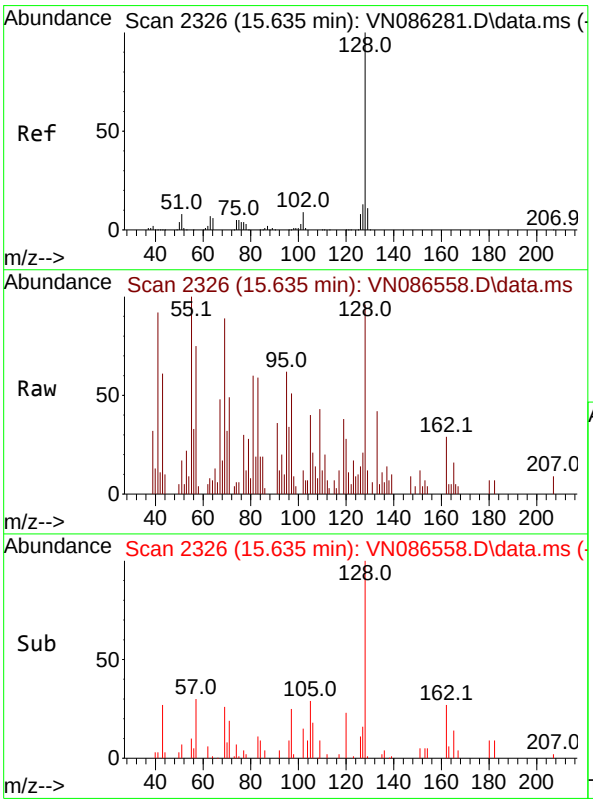
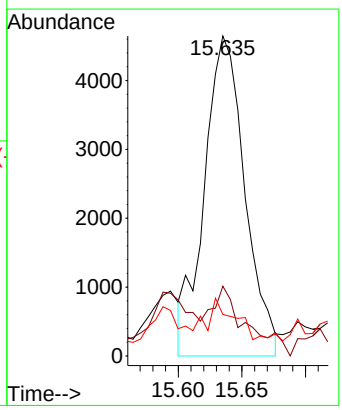
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#95
Naphthalene
Concen: 1.408 ug/l m
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:128 Resp: 10333

Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.2	15.4#
129	7.6	8.6	13.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Time: May 03 02:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

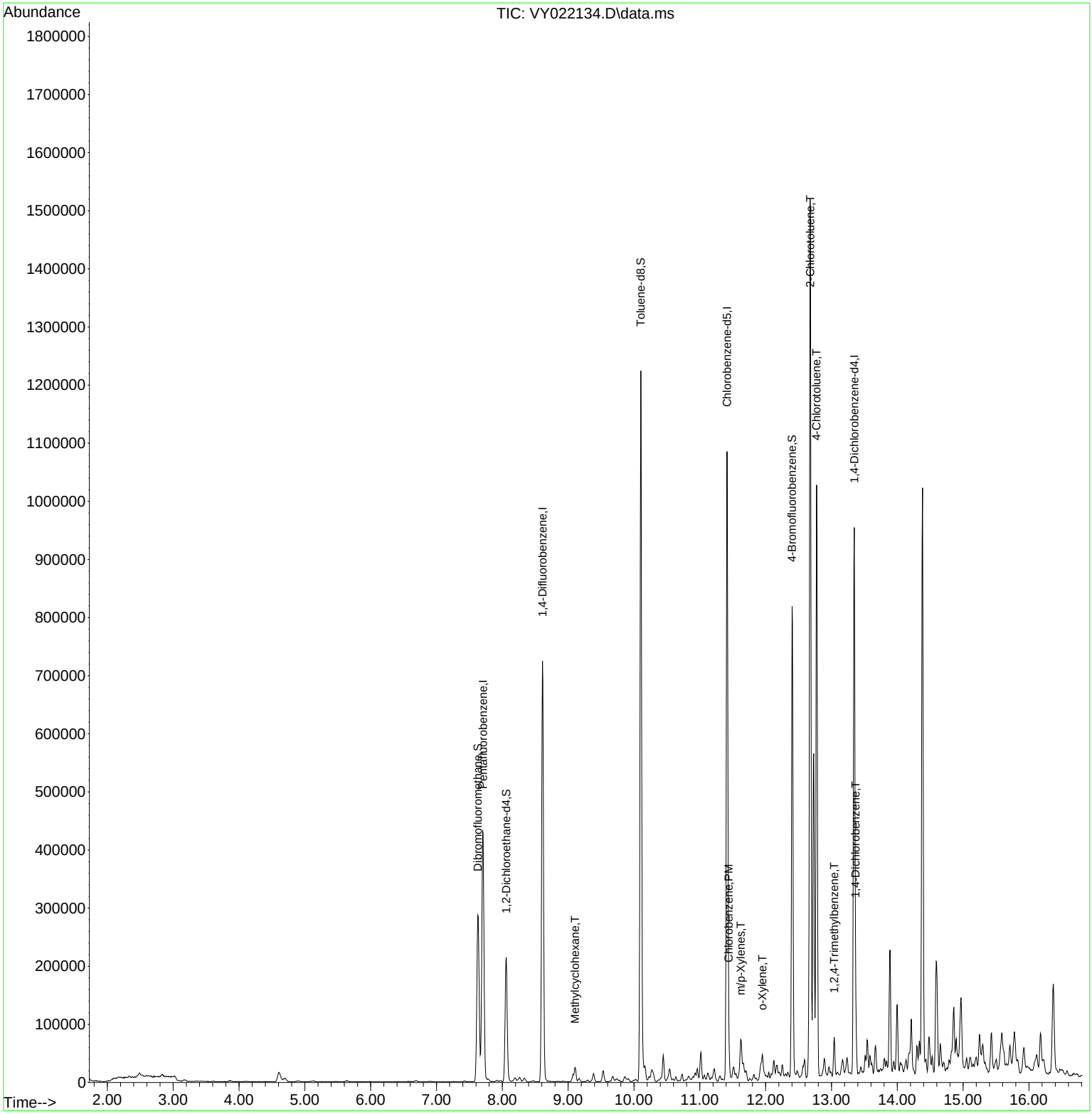
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	337342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	633879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	583504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171793	55.133	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.628	113	211594	50.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.103	98	771843	48.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.780%			
62) 4-Bromofluorobenzene	12.401	95	245481	46.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.380%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.103	83	10145	1.433	ug/l #	79
65) Chlorobenzene	11.438	112	24024	1.841	ug/l #	88
68) m/p-Xylenes	11.621	106	22301	2.626	ug/l	95
69) o-Xylene	11.950	106	8928	1.140	ug/l	94
79) 2-Chlorotoluene	12.676	91	814084	71.710	ug/l	98
82) 4-Chlorotoluene	12.773	91	552666	46.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	33886	2.508	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	39106	4.694	ug/l	94

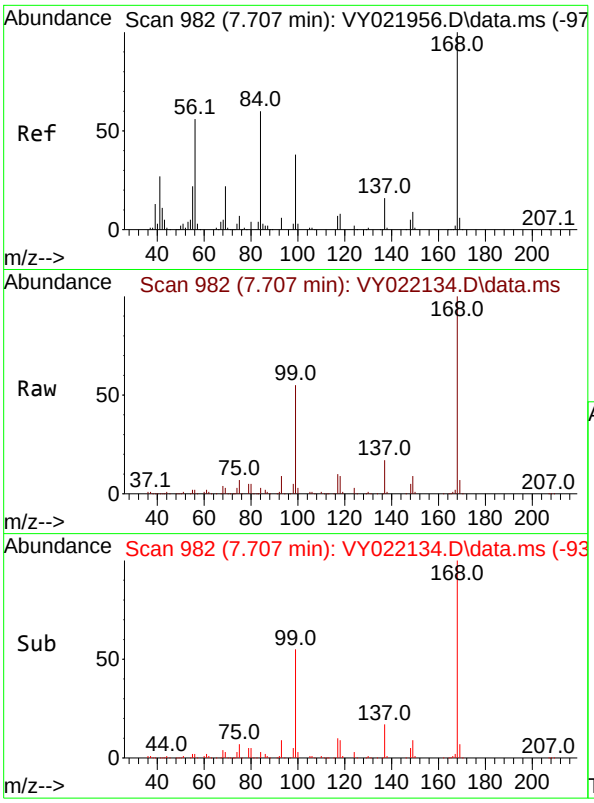
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Time: May 03 02:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



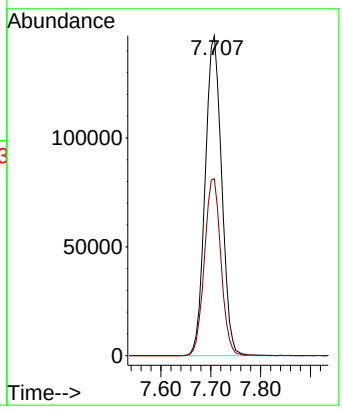


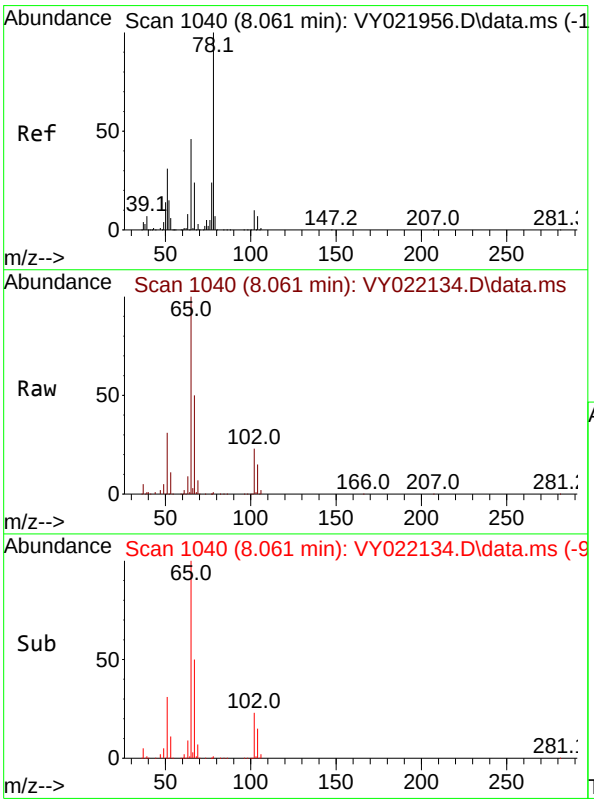
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:168 Resp: 337342

Ion	Ratio	Lower	Upper
168	100		
99	55.3	43.1	64.7

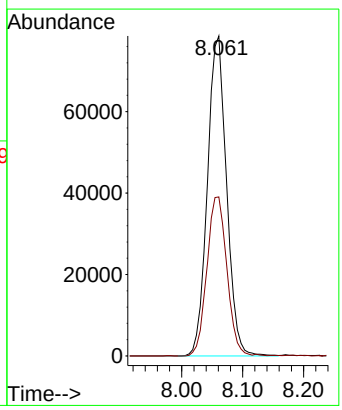


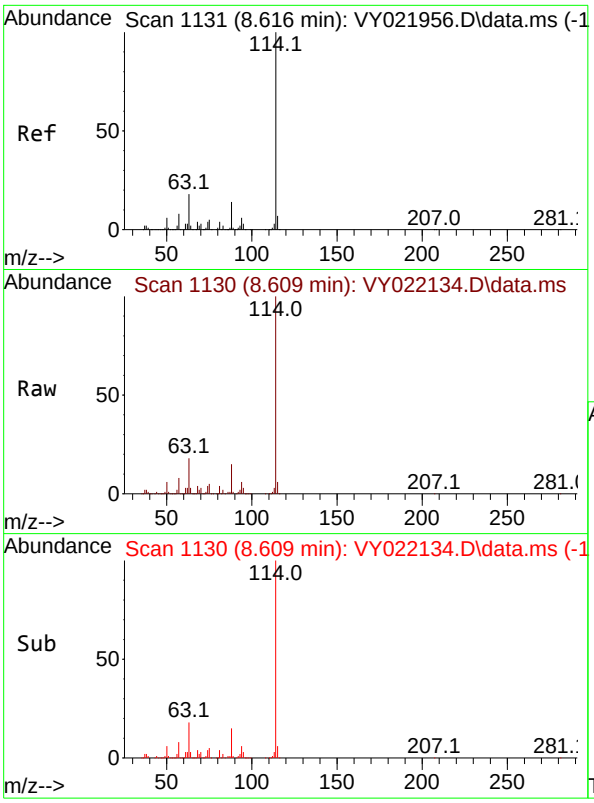


#33
1,2-Dichloroethane-d4
Concen: 55.133 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 65 Resp: 171793

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.8



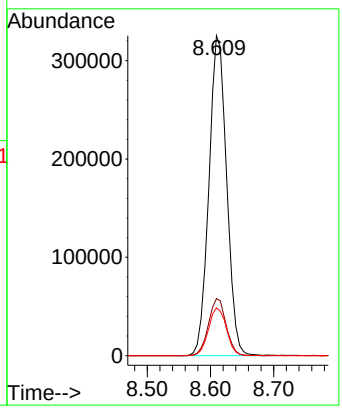


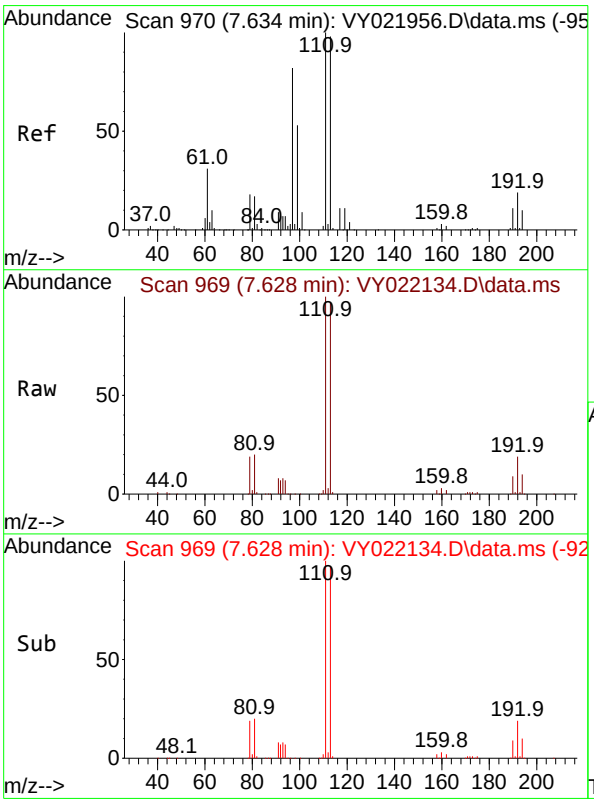
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:114 Resp: 633879

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	15.0	0.0	28.2

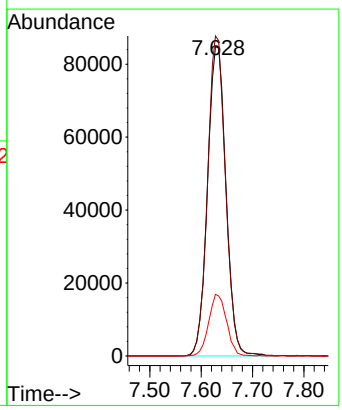


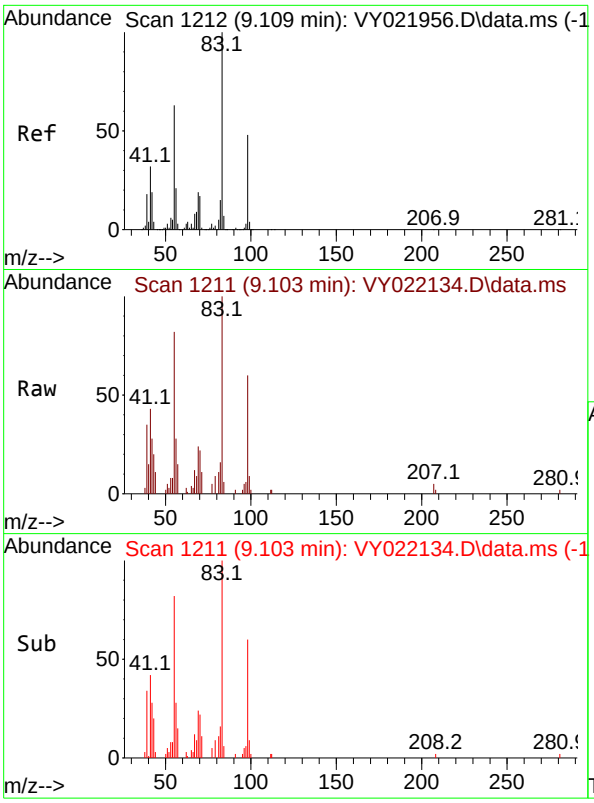


#35
Dibromofluoromethane
Concen: 50.527 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:113 Resp: 211594

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.8
192	19.3	15.6	23.4



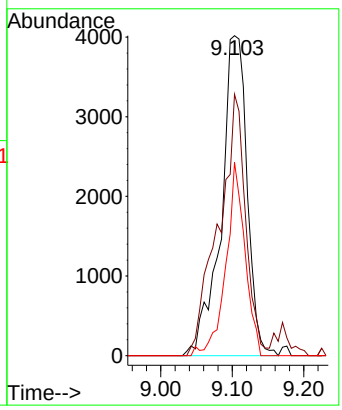


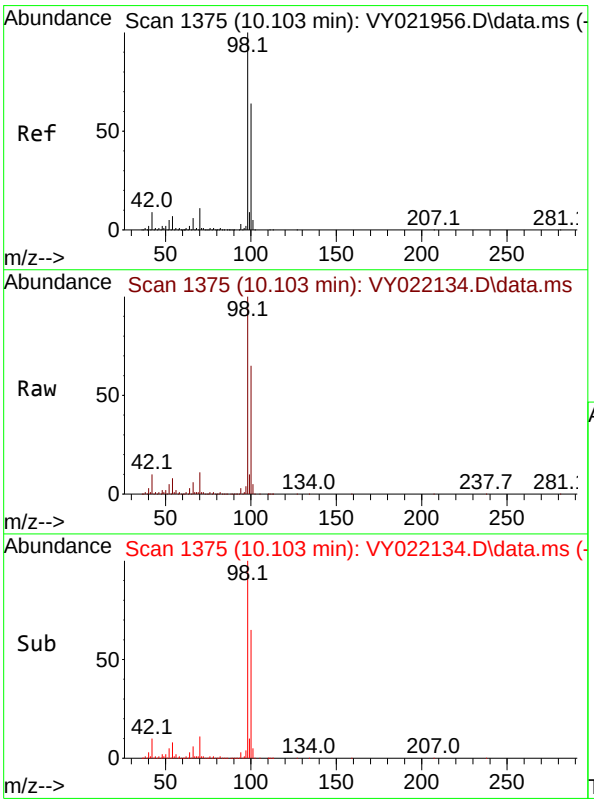
#39
Methylcyclohexane
Concen: 1.433 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion: 83 Resp: 10145

Ion	Ratio	Lower	Upper
83	100		
55	81.7	50.6	75.8#
98	60.4	38.6	58.0#

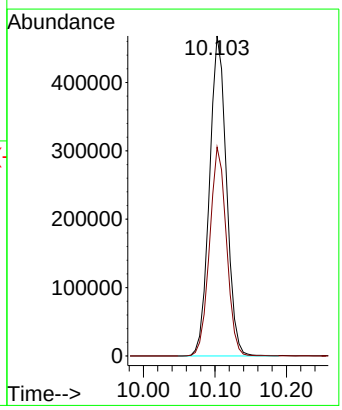


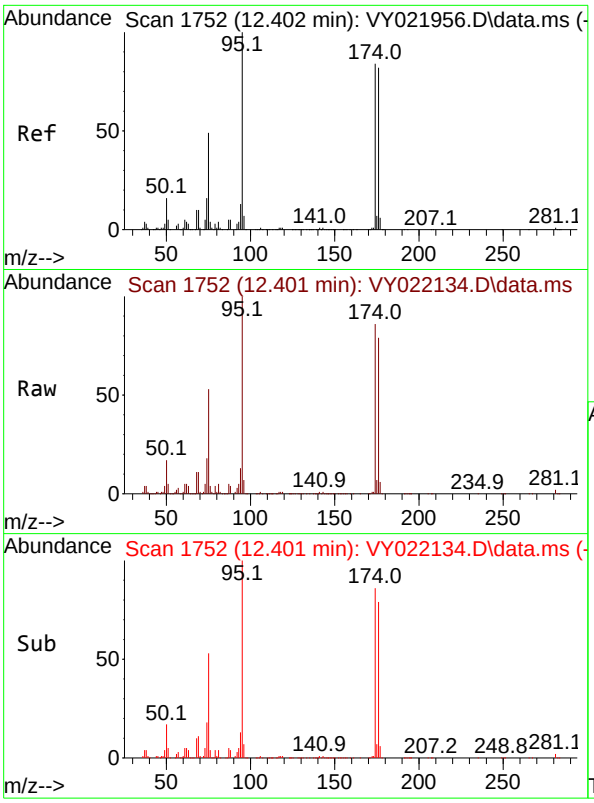


#50
Toluene-d8
Concen: 48.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 98 Resp: 771843

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4



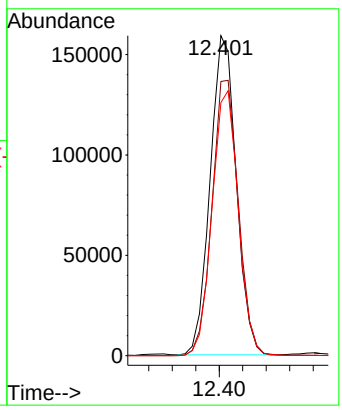


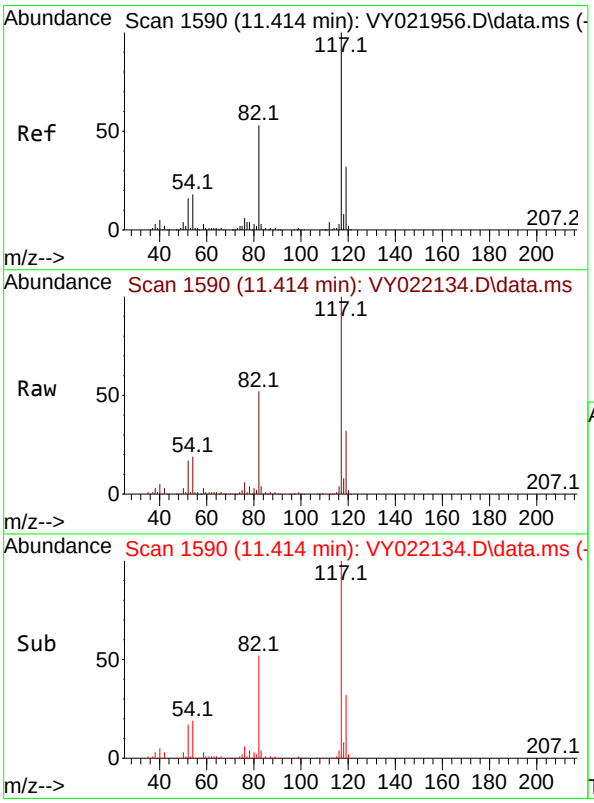
#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion: 95 Resp: 245481

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	179.0
176	83.4	0.0	171.8

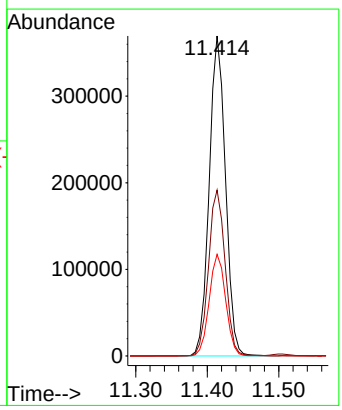


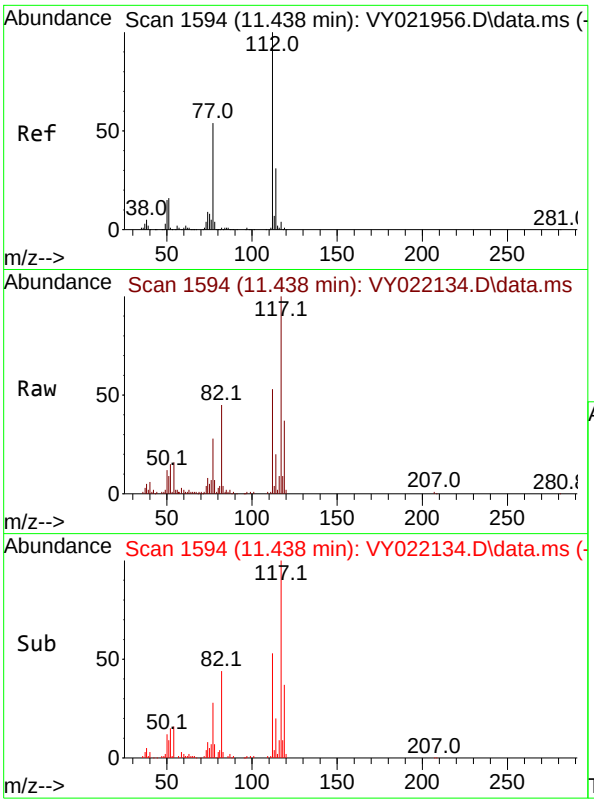


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:117 Resp: 583504

Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.1	63.1
119	31.7	25.7	38.5



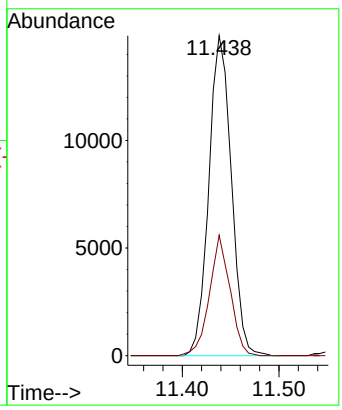


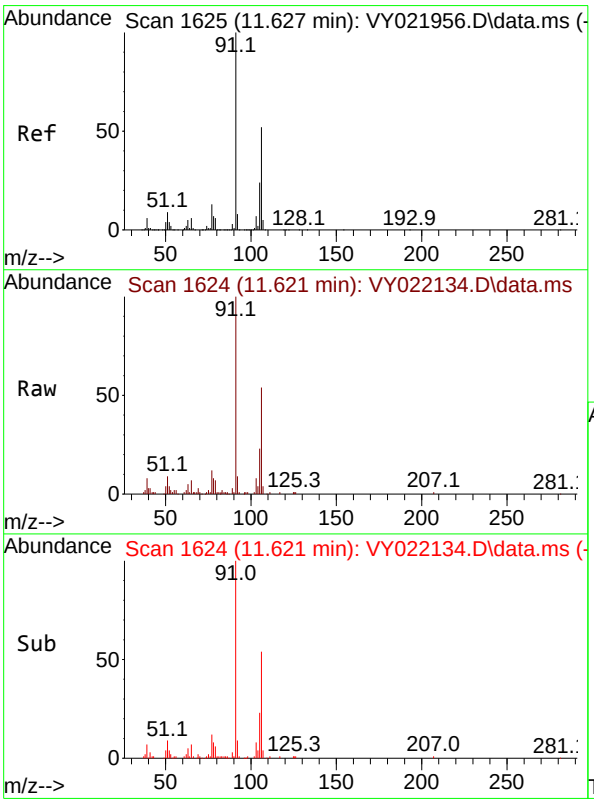
#65
Chlorobenzene
Concen: 1.841 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:112 Resp: 24024

Ion	Ratio	Lower	Upper
112	100		
114	37.6	25.0	37.4#

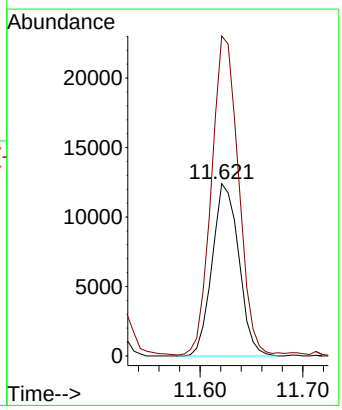


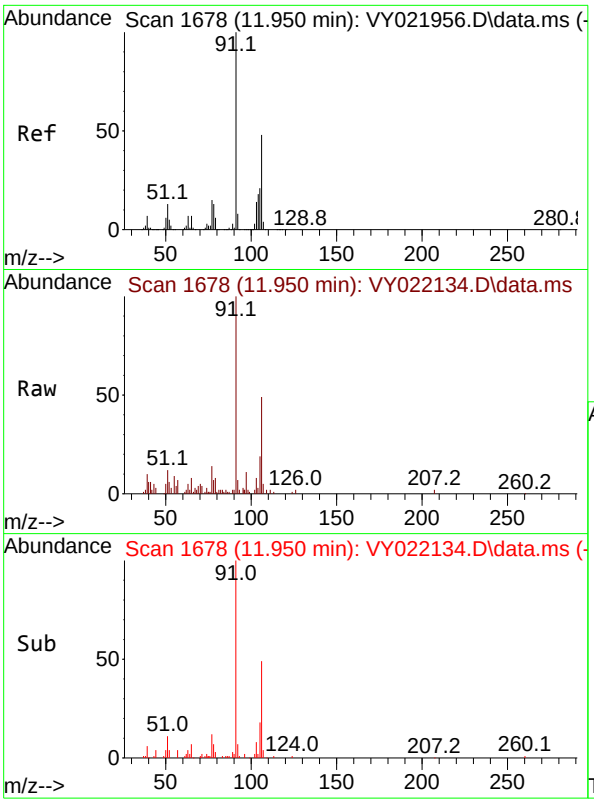


#68
m/p-Xylenes
Concen: 2.626 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:106 Resp: 22301

Ion	Ratio	Lower	Upper
106	100		
91	187.9	156.2	234.2



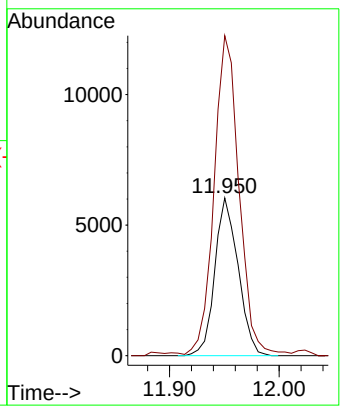


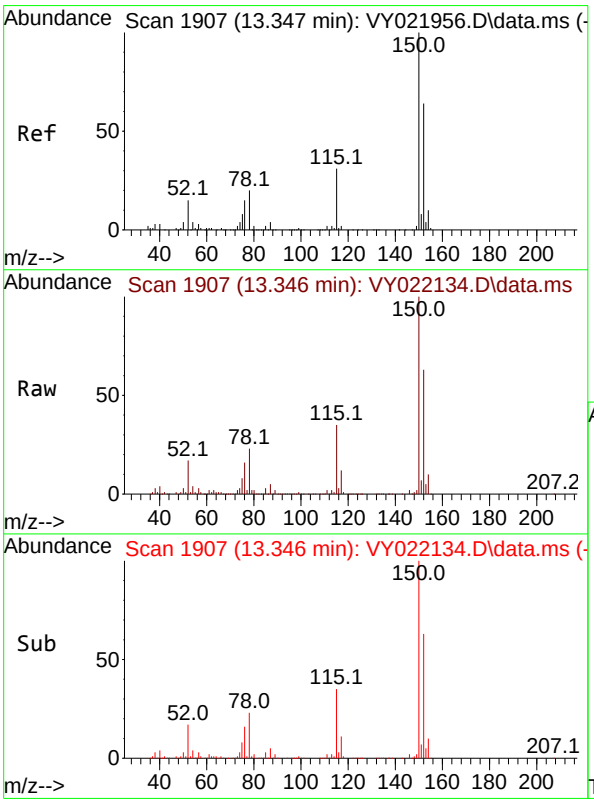
#69
o-Xylene
Concen: 1.140 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:106 Resp: 8928

Ion	Ratio	Lower	Upper
106	100		
91	214.6	103.0	308.9

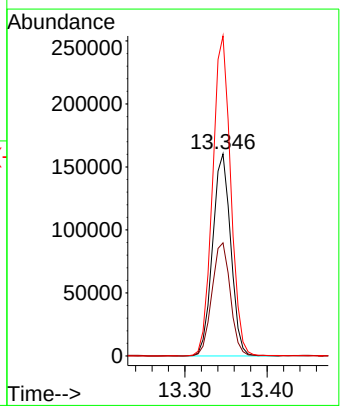


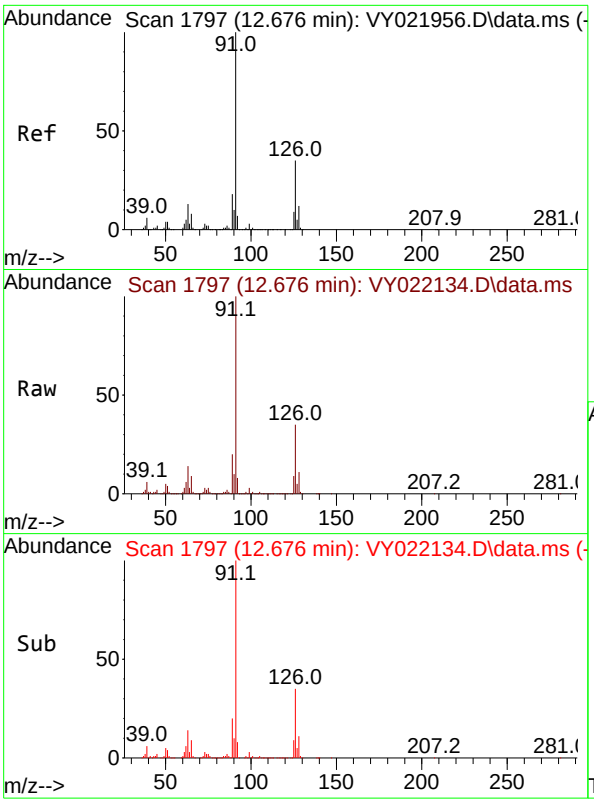


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:152 Resp: 245346

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.0	84.0
150	158.7	0.0	345.6



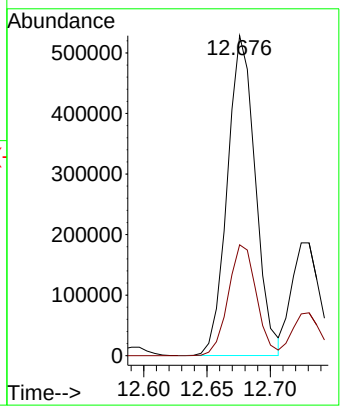


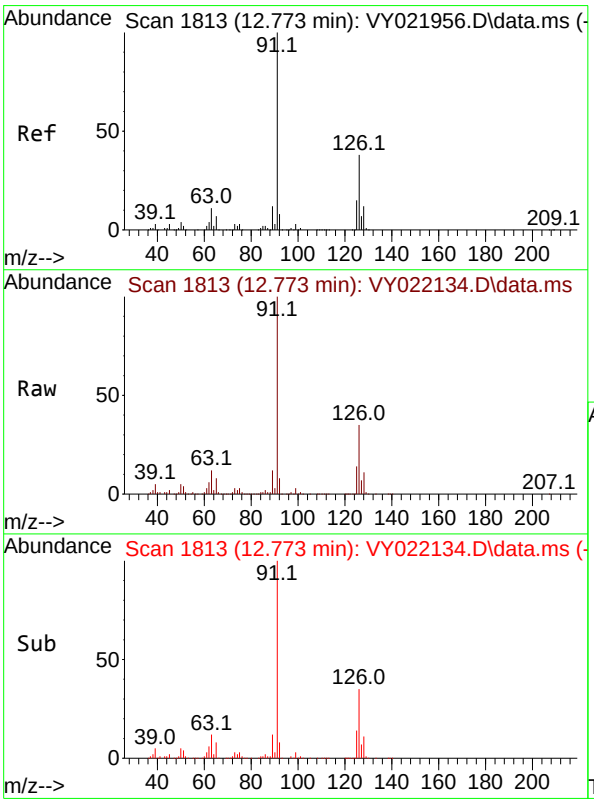
#79
2-Chlorotoluene
Concen: 71.710 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion: 91 Resp: 814084

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.8

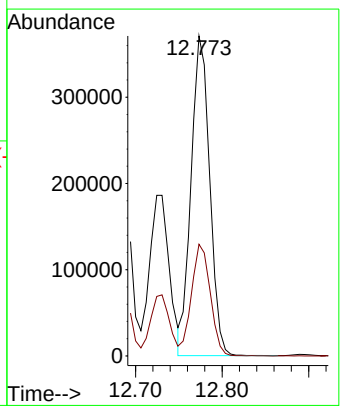


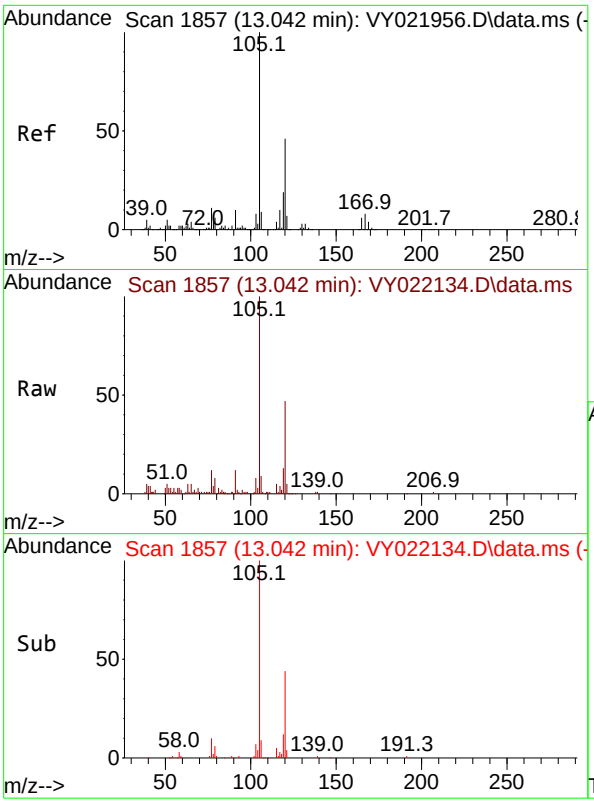


#82
4-Chlorotoluene
Concen: 46.831 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 91 Resp: 552666

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.8



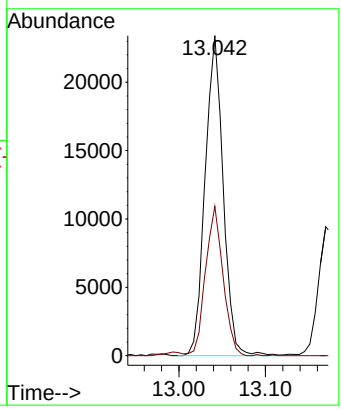


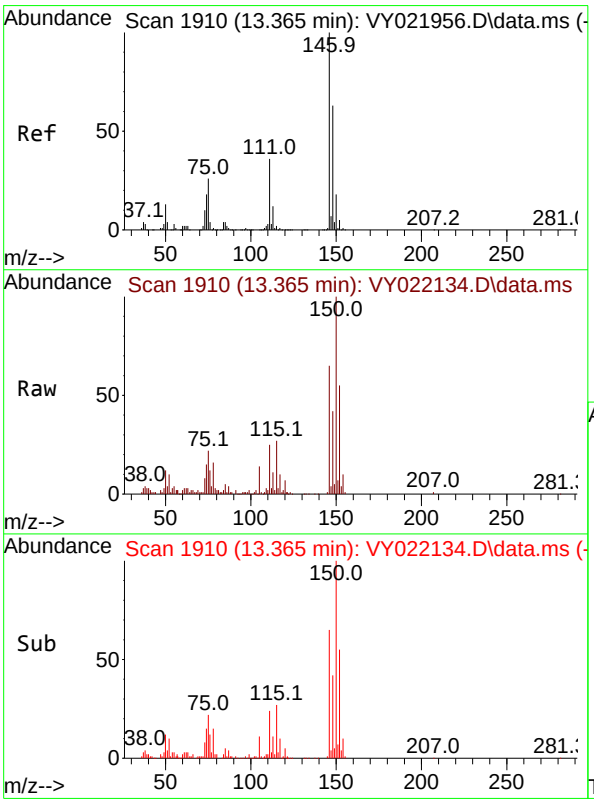
#84
1,2,4-Trimethylbenzene
Concen: 2.508 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:105 Resp: 33886

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.0

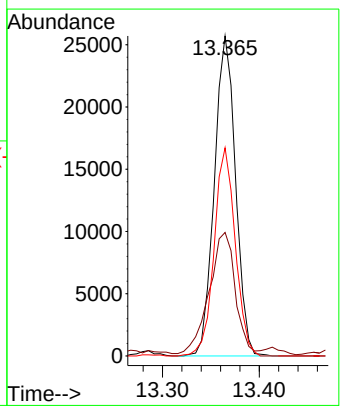




#88
1,4-Dichlorobenzene
Concen: 4.694 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:146 Resp: 39106

Ion	Ratio	Lower	Upper
146	100		
111	46.3	19.2	57.6
148	64.8	32.0	96.0



Sample Results: **VY022134.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.604	464	473	482	rBV3	16143	53998	2.24%	0.250%
2	7.628	957	969	975	rBV	286316	696080	28.92%	3.220%
3	7.701	975	981	993	rVB	427853	990603	41.15%	4.583%
4	8.061	1030	1040	1052	rBV	213768	478484	19.88%	2.213%
5	8.609	1120	1130	1144	rBV	724477	1418807	58.94%	6.563%
6	9.103	1207	1211	1217	rVB4	23308	47537	1.97%	0.220%
7	9.384	1248	1257	1264	rBV	14080	29067	1.21%	0.134%
8	9.530	1272	1281	1291	rVB4	18825	39099	1.62%	0.181%
9	10.103	1367	1375	1383	rBV	1222472	2061017	85.62%	9.534%
10	10.274	1398	1403	1413	rVB5	20185	57677	2.40%	0.267%
11	10.444	1426	1431	1438	rVB2	43418	75046	3.12%	0.347%
12	10.536	1438	1446	1452	rBV4	20080	45666	1.90%	0.211%
13	11.018	1520	1525	1530	rVB	45673	75880	3.15%	0.351%
14	11.219	1552	1558	1566	rVB4	21204	48555	2.02%	0.225%
15	11.414	1583	1590	1600	rBV	1081267	1787938	74.27%	8.271%
16	11.511	1601	1606	1610	rBV2	17660	33497	1.39%	0.155%
17	11.621	1616	1624	1629	rBV	66825	149838	6.22%	0.693%
18	11.700	1635	1637	1643	rVB3	17565	26271	1.09%	0.122%
19	11.950	1666	1678	1687	rBV4	44219	142282	5.91%	0.658%
20	12.127	1702	1707	1710	rBV	23700	34810	1.45%	0.161%
21	12.255	1724	1728	1733	rVB	18950	27627	1.15%	0.128%
22	12.401	1746	1752	1762	rBV	809850	1285377	53.40%	5.946%
23	12.590	1773	1783	1788	rVB2	30639	71997	2.99%	0.333%
24	12.676	1788	1797	1802	rBV	1512267	2407271	100.00%	11.136%
25	12.731	1802	1806	1809	rVV	552043	858270	35.65%	3.970%
26	12.773	1809	1813	1821	rVB	1016952	1513474	62.87%	7.001%
27	12.889	1825	1832	1839	rBV	29629	59251	2.46%	0.274%
28	13.042	1852	1857	1862	rBV	67129	100528	4.18%	0.465%
29	13.170	1871	1878	1883	rBV2	26140	56024	2.33%	0.259%
30	13.237	1883	1889	1894	rVB5	26303	49289	2.05%	0.228%
31	13.346	1900	1907	1916	rVB	939848	1600072	66.47%	7.402%
32	13.511	1930	1934	1936	rBV2	28332	39590	1.64%	0.183%
33	13.541	1936	1939	1943	rVV2	49509	69571	2.89%	0.322%
34	13.584	1943	1946	1950	rVV2	19184	26105	1.08%	0.121%
35	13.669	1955	1960	1966	rBV4	47155	85126	3.54%	0.394%
36	13.804	1978	1982	1985	rBV2	19274	28626	1.19%	0.132%

Sample Results: **VY022134.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

37	13.889	1990	1996	2001	rVB2	209430	335320	13.93%	1.551%
38	13.944	2001	2005	2009	rBV	17826	26505	1.10%	0.123%
39	13.999	2009	2014	2019	rVB	113881	176030	7.31%	0.814%
40	14.133	2030	2036	2039	rBV4	20629	36652	1.52%	0.170%
41	14.182	2039	2044	2045	rVV4	28486	45656	1.90%	0.211%
42	14.212	2045	2049	2058	rVB2	94032	163134	6.78%	0.755%
43	14.297	2058	2063	2066	rBV2	47665	78964	3.28%	0.365%
44	14.334	2066	2069	2071	rVV2	40414	50788	2.11%	0.235%
45	14.383	2071	2077	2083	rVB	987896	1528543	63.50%	7.071%
46	14.480	2089	2093	2099	rBV3	59875	111891	4.65%	0.518%
47	14.529	2099	2101	2105	rVB4	27424	33221	1.38%	0.154%
48	14.590	2105	2111	2118	rBV2	190451	405718	16.85%	1.877%
49	14.651	2118	2121	2127	rVV2	46166	80890	3.36%	0.374%
50	14.858	2146	2155	2158	rVV3	104863	227195	9.44%	1.051%
51	14.895	2158	2161	2166	rVV3	49558	92961	3.86%	0.430%
52	14.968	2167	2173	2181	rVB2	120705	254263	10.56%	1.176%
53	15.053	2183	2187	2191	rVB4	18522	27783	1.15%	0.129%
54	15.102	2191	2195	2200	rBV3	20086	39627	1.65%	0.183%
55	15.200	2206	2211	2214	rBV6	16525	27626	1.15%	0.128%
56	15.248	2214	2219	2224	rVV2	53828	101059	4.20%	0.467%
57	15.297	2224	2227	2232	rVB3	33063	52281	2.17%	0.242%
58	15.431	2242	2249	2254	rBV2	66758	127500	5.30%	0.590%
59	15.505	2256	2261	2265	rVB4	17588	31061	1.29%	0.144%
60	15.590	2265	2275	2284	rBV3	62700	203615	8.46%	0.942%
61	15.712	2290	2295	2300	rBV2	33748	56173	2.33%	0.260%
62	15.779	2300	2306	2312	rBV4	54478	114351	4.75%	0.529%
63	15.925	2321	2330	2335	rBV3	43749	101848	4.23%	0.471%
64	16.114	2352	2361	2366	rBV8	25931	70877	2.94%	0.328%
65	16.175	2366	2371	2376	rBV	58164	108151	4.49%	0.500%
66	16.370	2395	2403	2415	rBV	152864	336886	13.99%	1.558%

Sum of corrected areas: 21616919

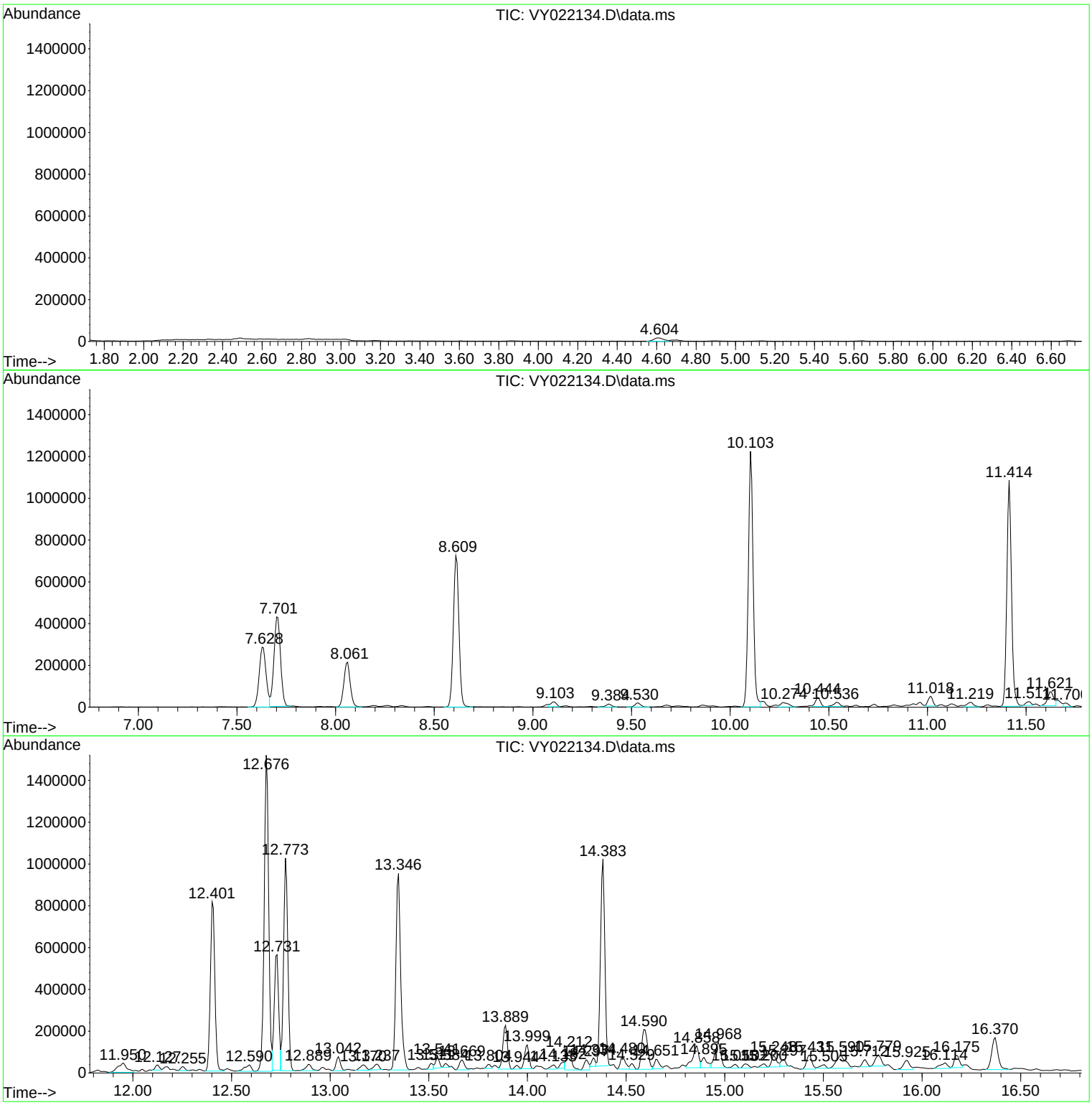
Sample Results: **VY022134.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

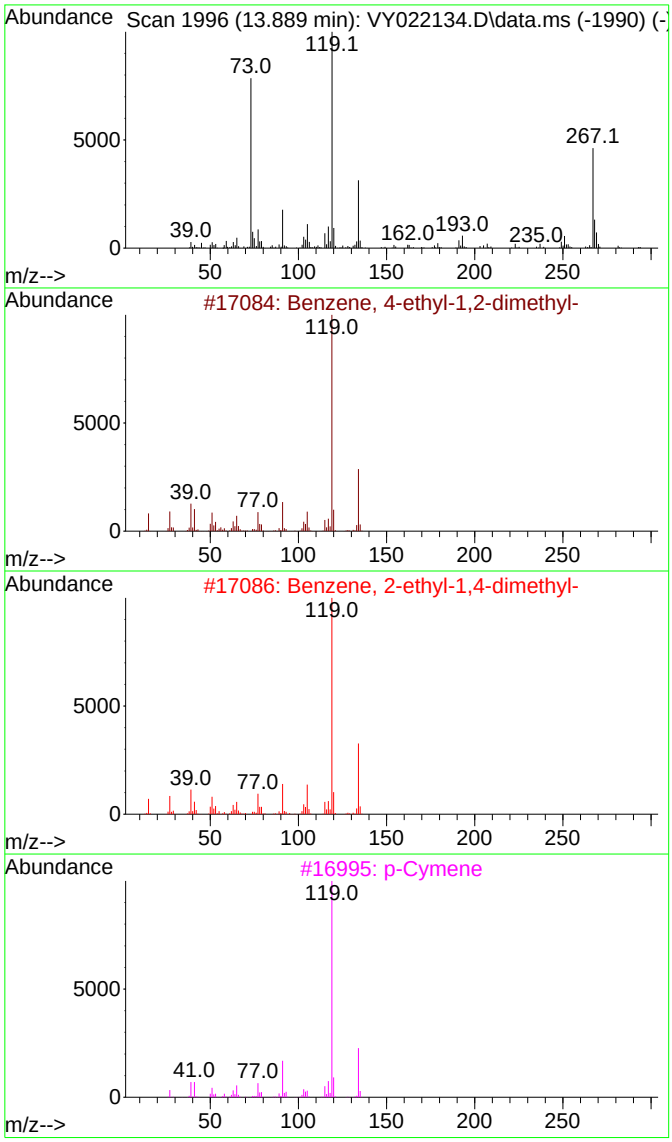
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

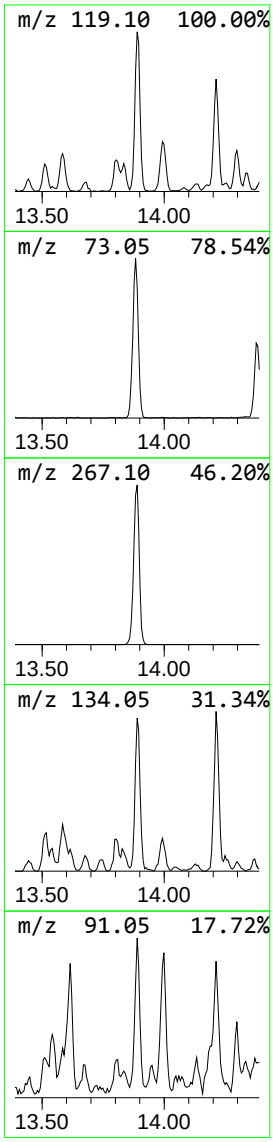
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	10.48 ug/l	335320	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	o-Cymene	134	C10H14	000527-84-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

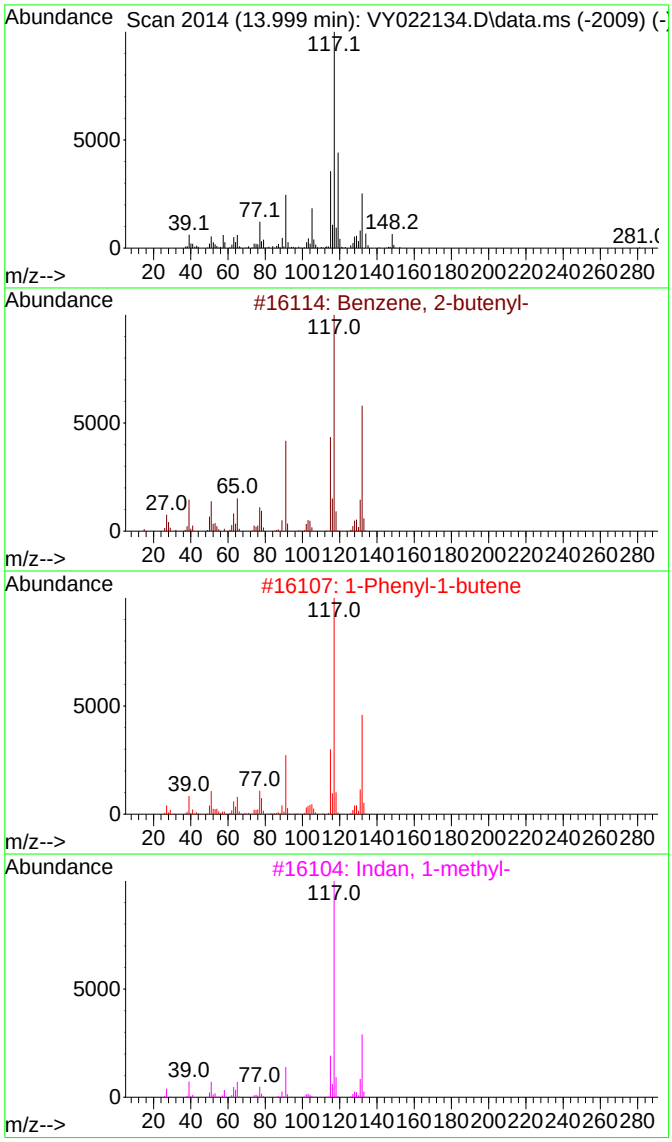
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

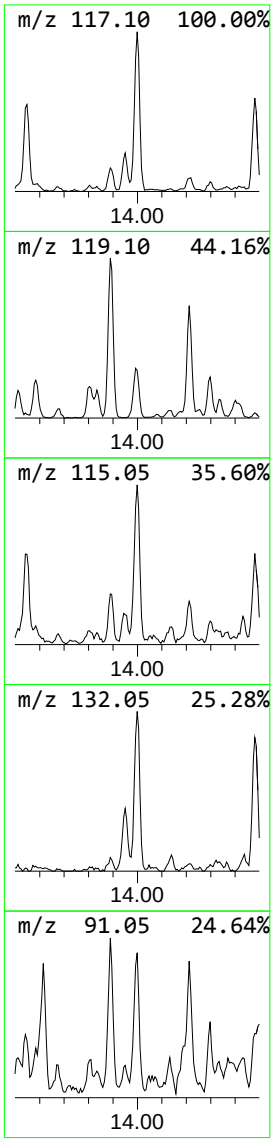
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	5.50 ug/l	176030	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Indan, 1-methyl-	132	C10H12	000767-58-8	62
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

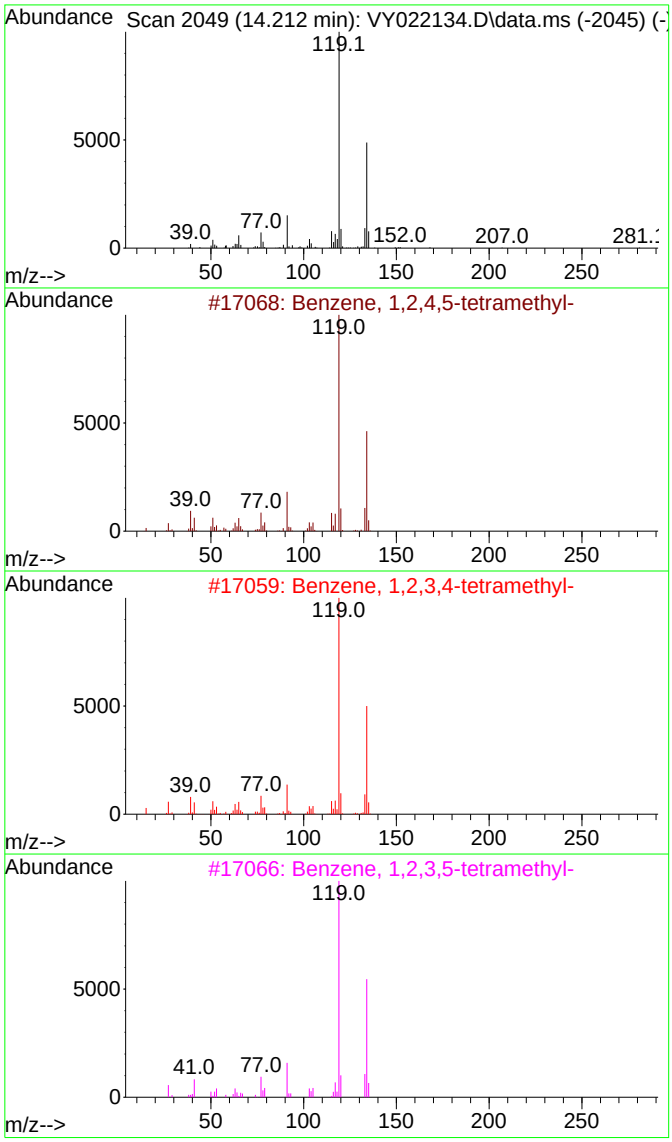
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

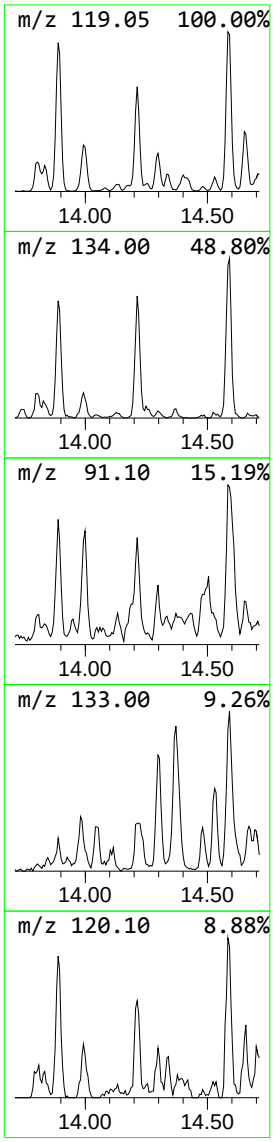
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	5.10 ug/l	163134	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

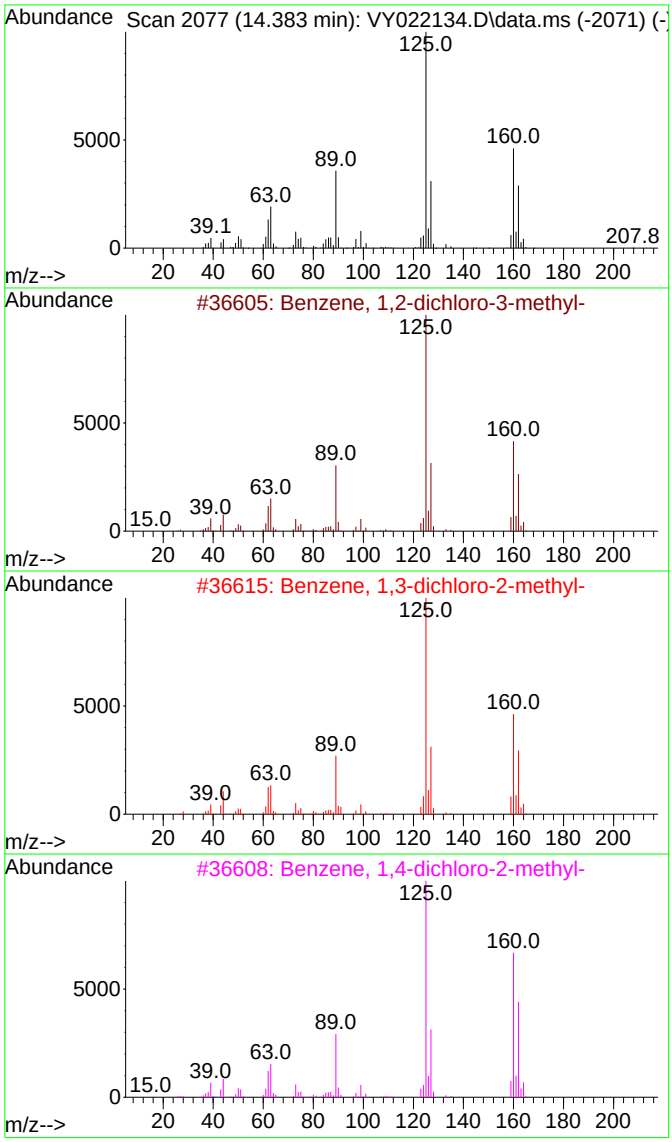
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

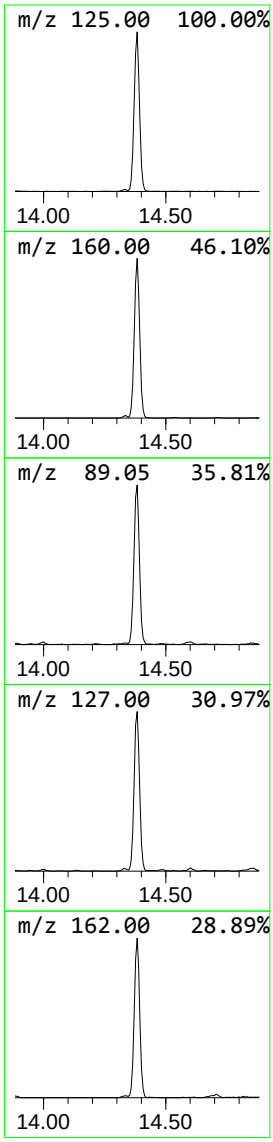
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2-dichloro-3-met... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	47.76 ug/l	1528540	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
3	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
4	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
5	Benzene, 1-chloro-2-(chloromethyl)-	160	C7H6Cl2	000611-19-8	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

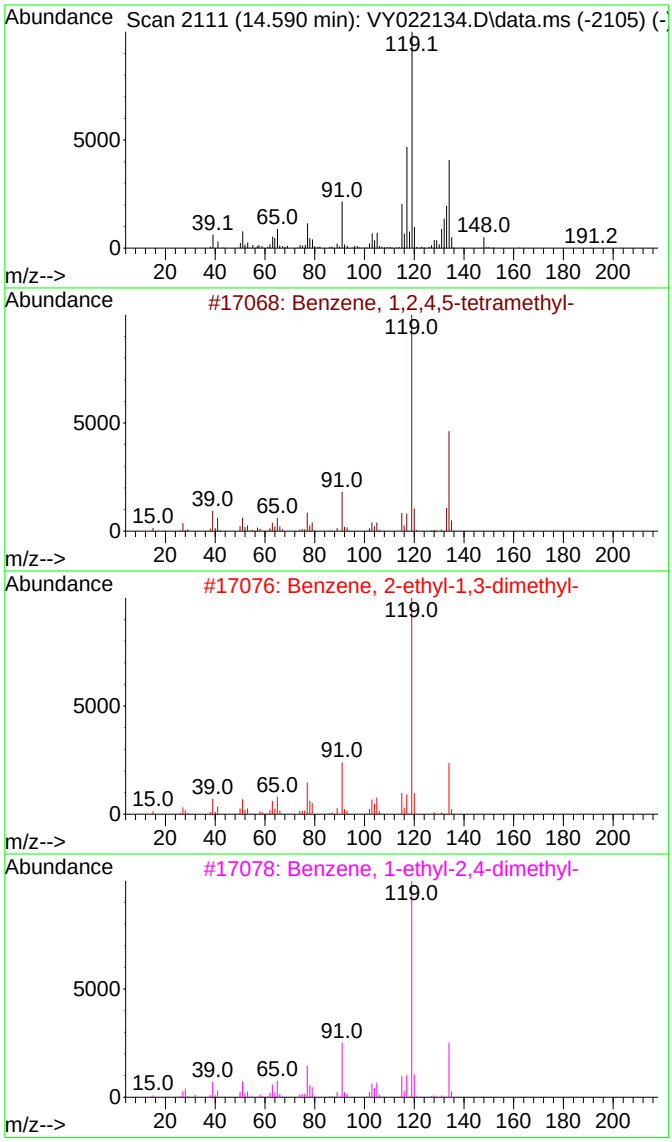
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

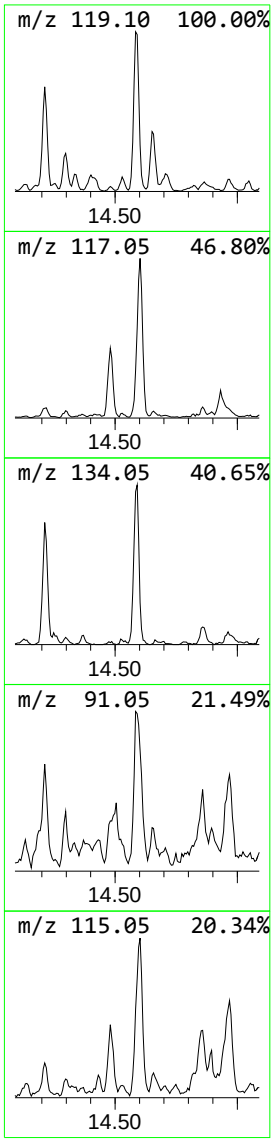
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	12.68 ug/l	405718	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

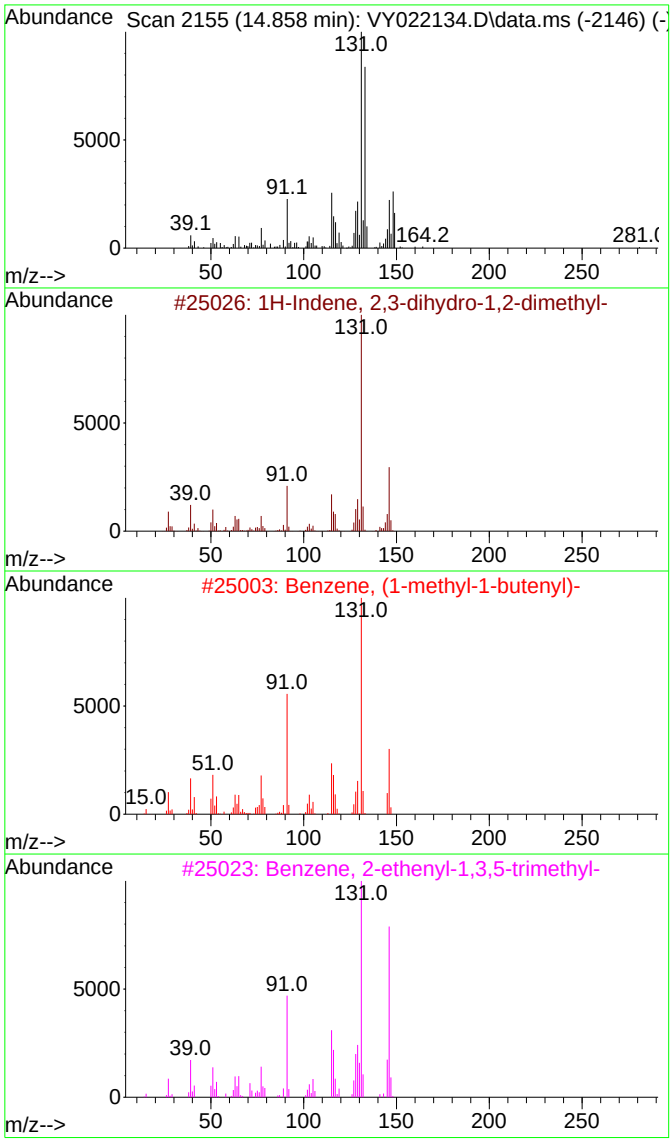
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

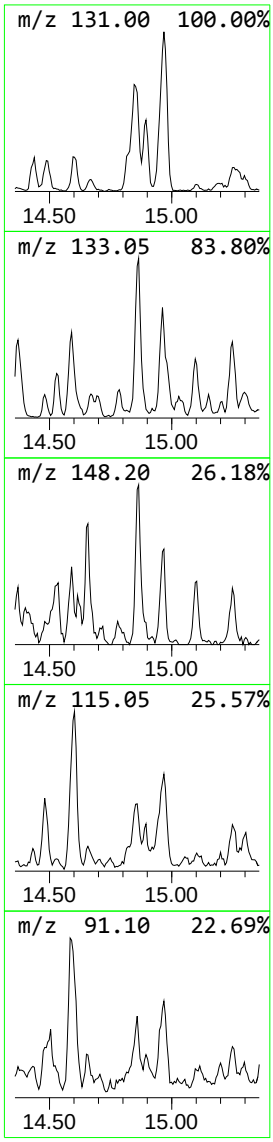
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	7.10 ug/l	227195	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

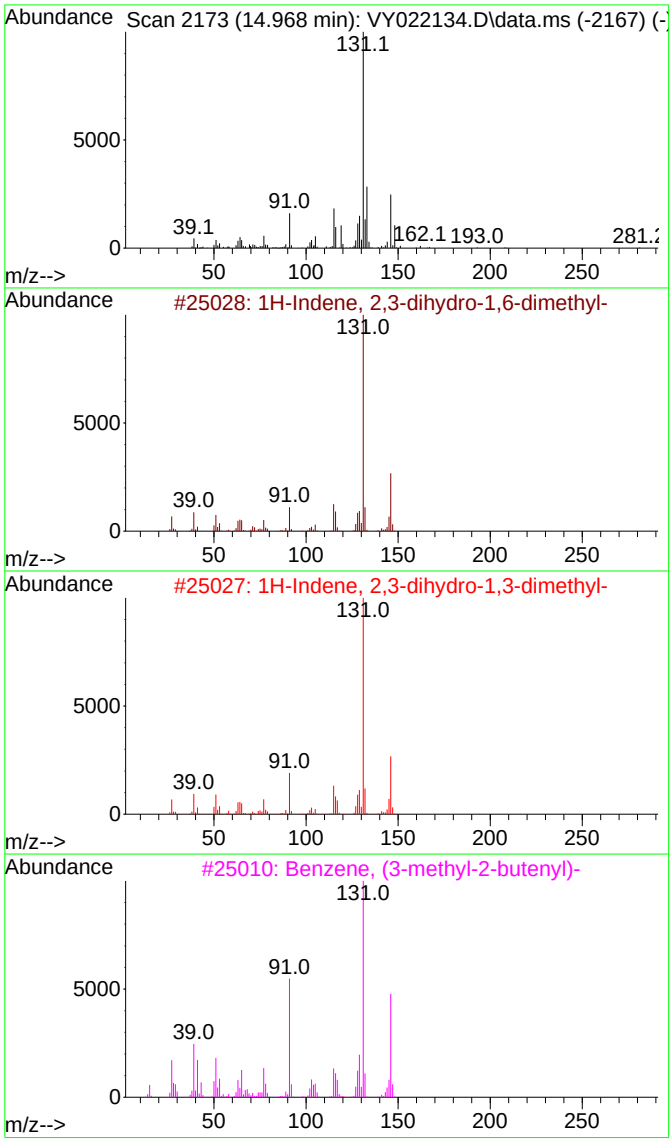
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

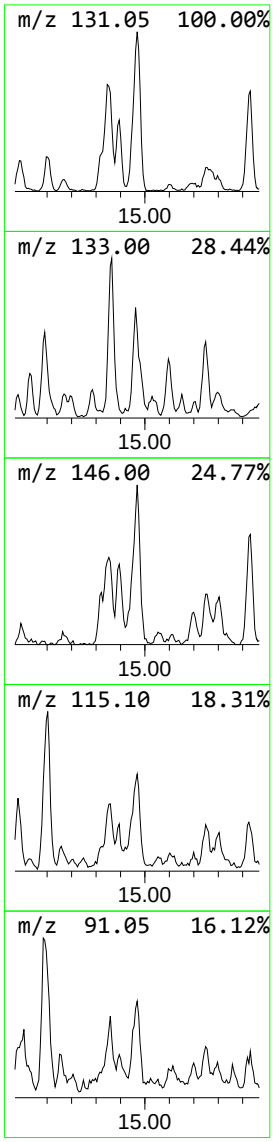
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	7.95 ug/l	254263	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

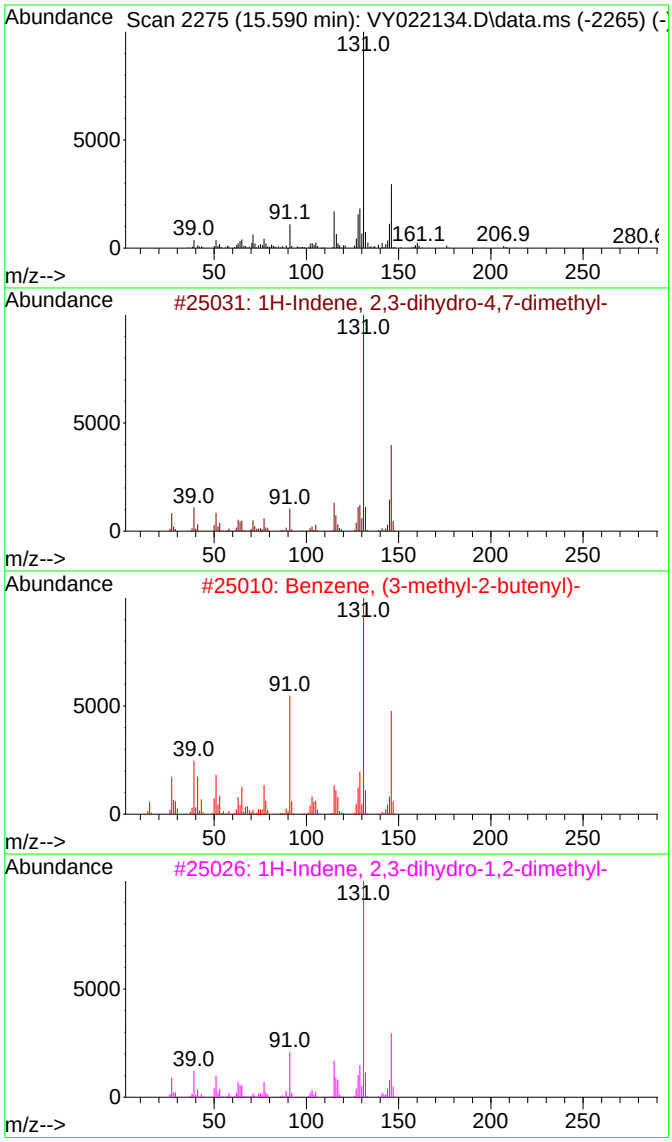
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

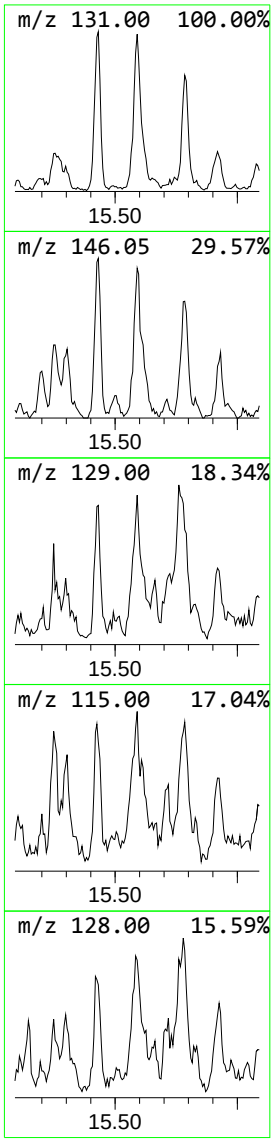
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.590	6.36 ug/l	203615	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

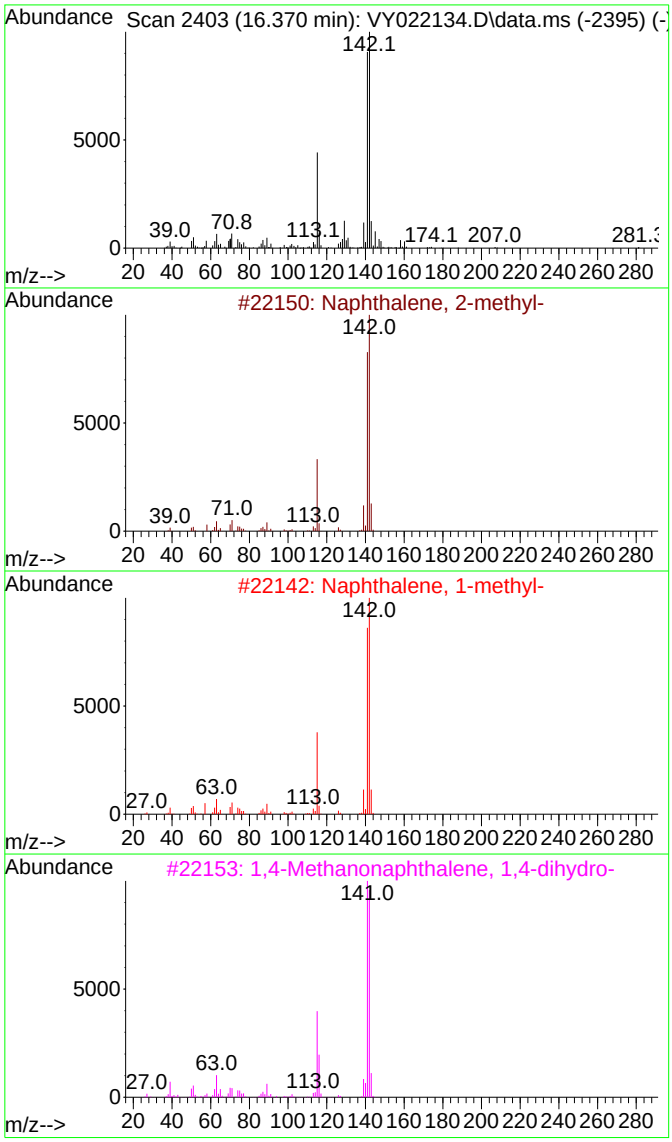
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

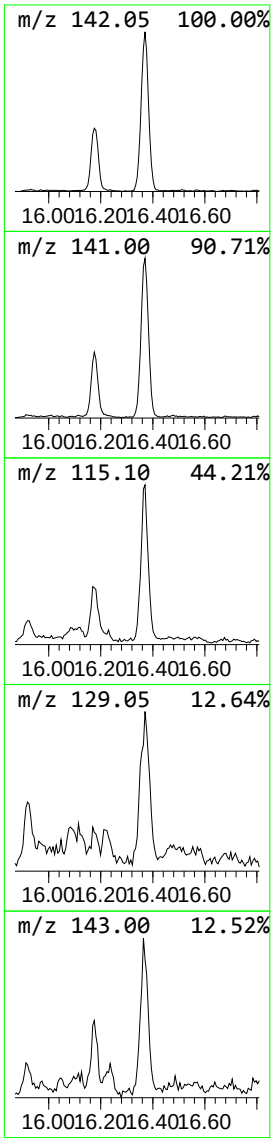
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.370	10.53 ug/l	336886	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 4-ethy...	13.889	10.5	ug/l	335320	4	13.346	1600070	50.0
Benzene, 2-bute...	13.999	5.5	ug/l	176030	4	13.346	1600070	50.0
Benzene, 1,2,4,...	14.212	5.1	ug/l	163134	4	13.346	1600070	50.0
Benzene, 1,2-di...	14.383	47.8	ug/l	1528540	4	13.346	1600070	50.0
Benzene, 2-ethy...	14.590	12.7	ug/l	405718	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.858	7.1	ug/l	227195	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.968	8.0	ug/l	254263	4	13.346	1600070	50.0
1H-Indene, 2,3-...	15.590	6.4	ug/l	203615	4	13.346	1600070	50.0
Naphthalene, 2-...	16.370	10.5	ug/l	336886	4	13.346	1600070	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Time: May 03 02:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	358545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	672036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	603590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	176211	53.207	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.420%			
35) Dibromofluoromethane	7.628	113	220250	49.608	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.103	98	810645	48.431	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.402	95	251156	44.573	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.140%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	14341	1.632	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	14082	1.042	ug/l	96

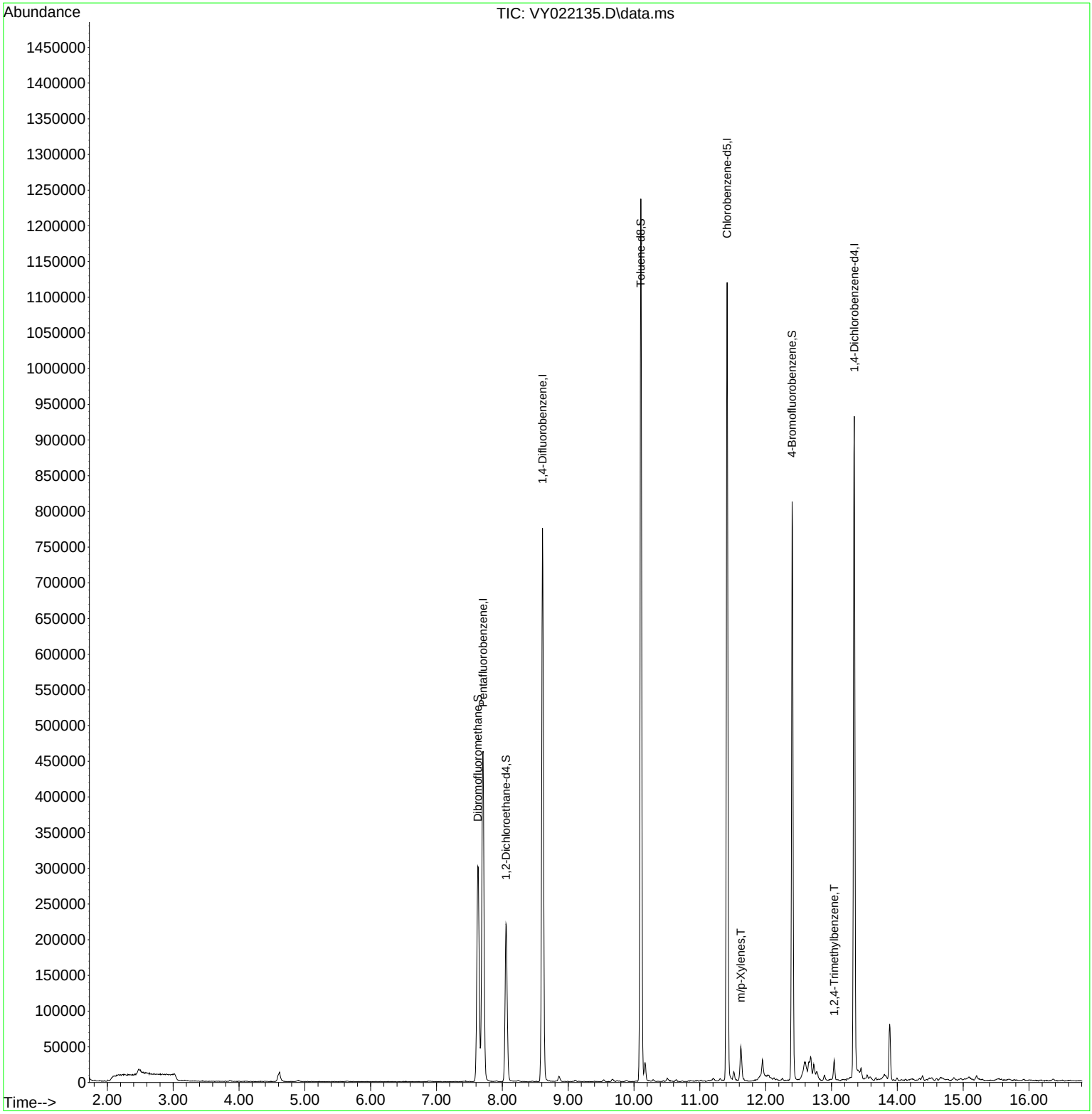
(#) = qualifier out of range (m) = manual integration (+) = signals summed

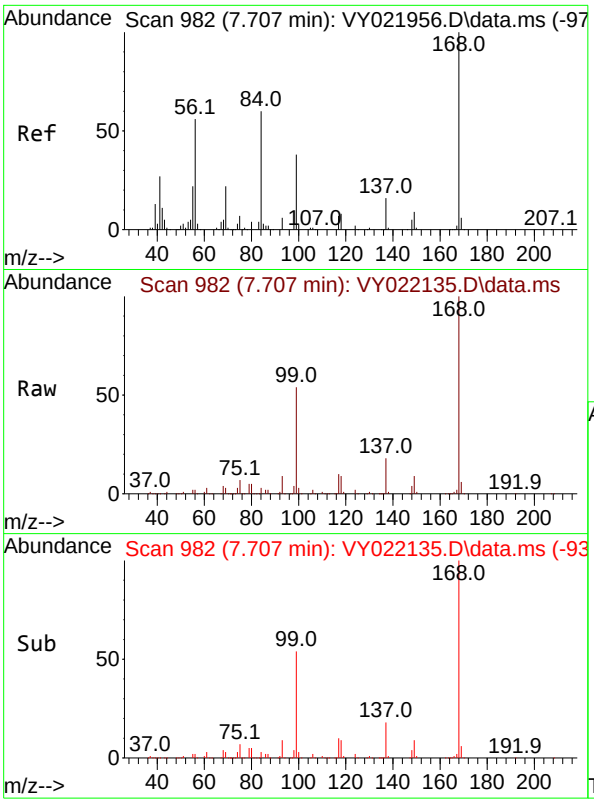
Sample Results: **VY022135.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Time: May 03 02:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



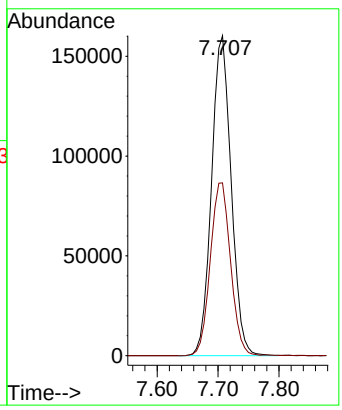


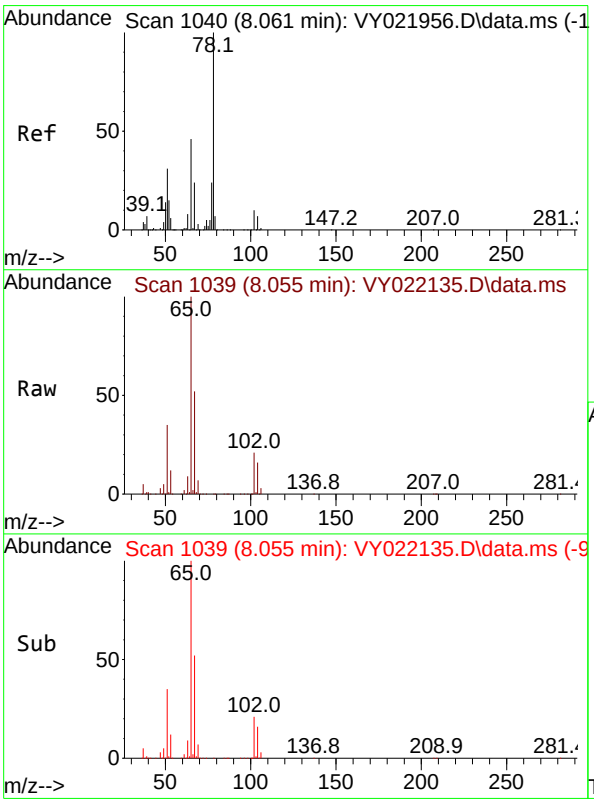
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:168 Resp: 358545

Ion	Ratio	Lower	Upper
168	100		
99	54.0	43.1	64.7

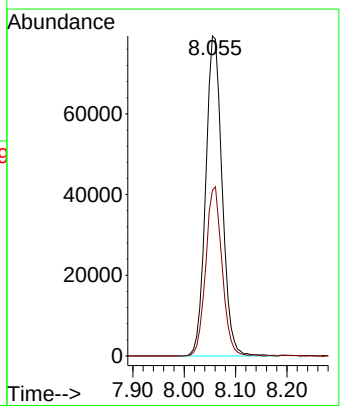


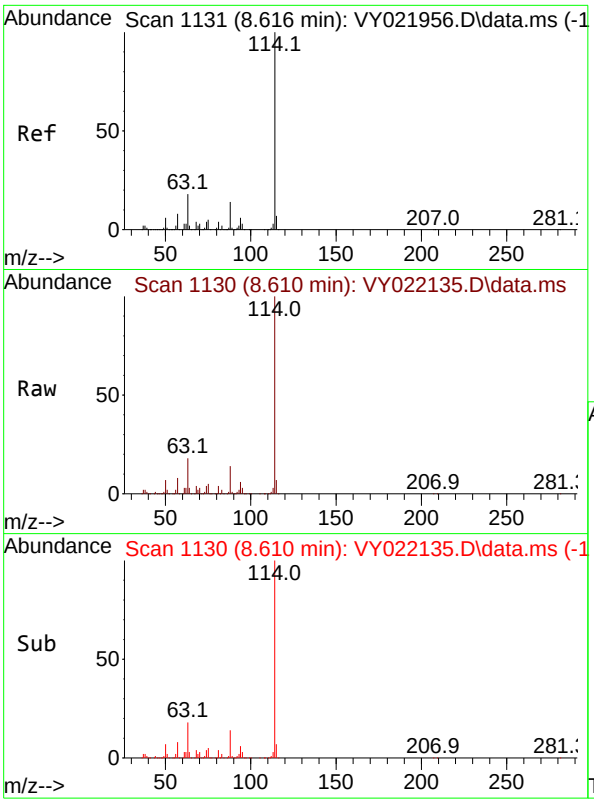


#33
1,2-Dichloroethane-d4
Concen: 53.207 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion: 65 Resp: 176211

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.8



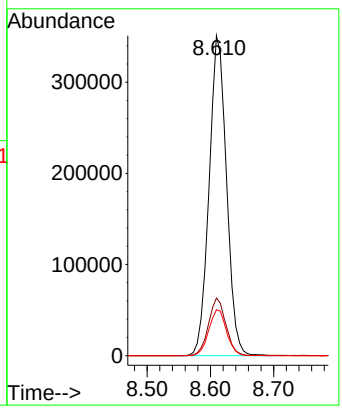


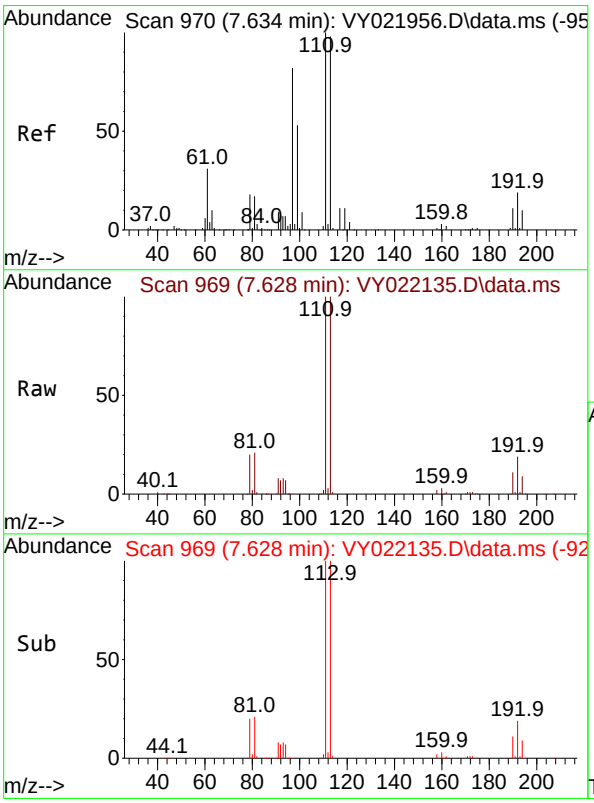
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:114 Resp: 672036

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.4
88	14.4	0.0	28.2

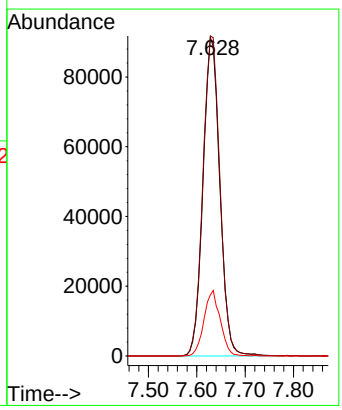


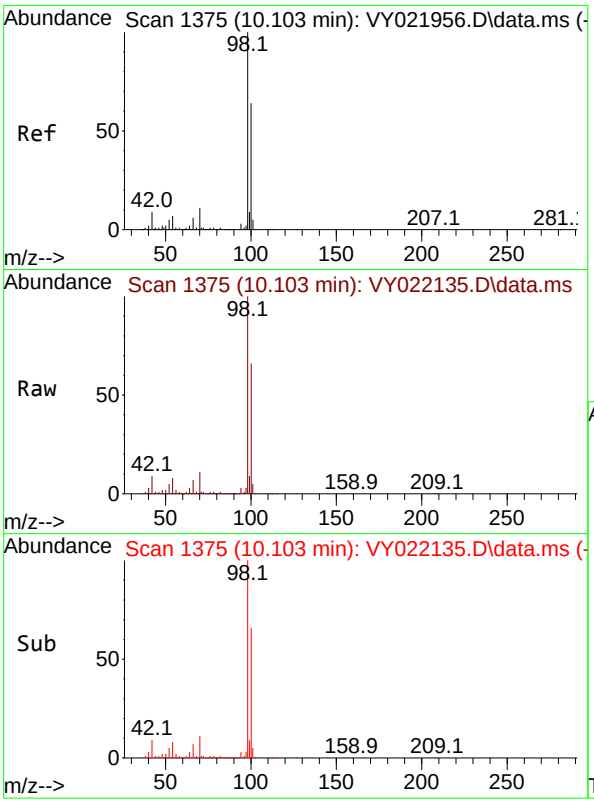


#35
Dibromofluoromethane
Concen: 49.608 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:113 Resp: 220250

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	19.9	15.6	23.4



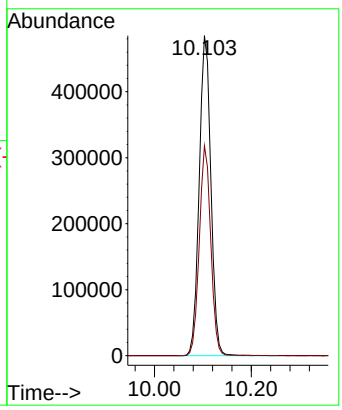


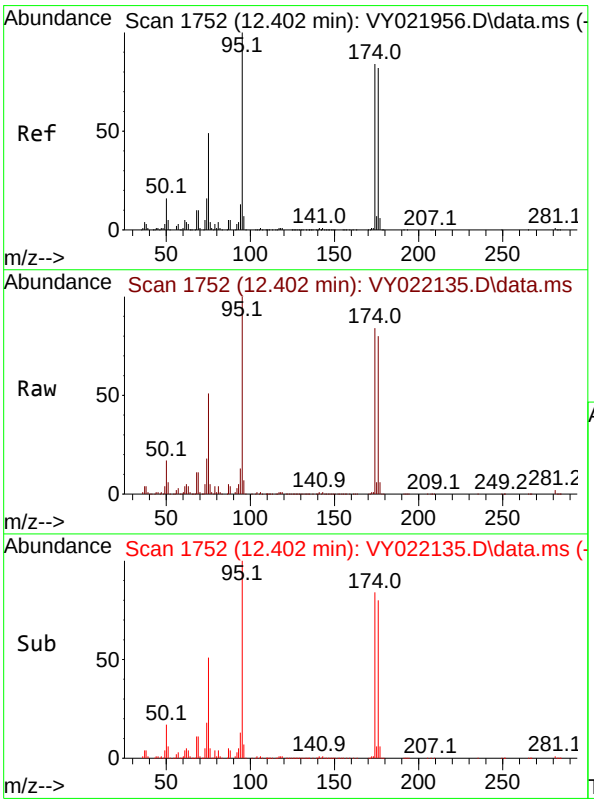
#50
Toluene-d8
Concen: 48.431 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion: 98 Resp: 810645

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

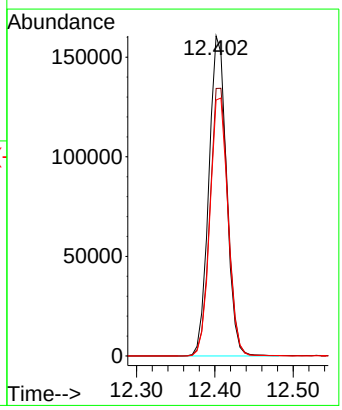


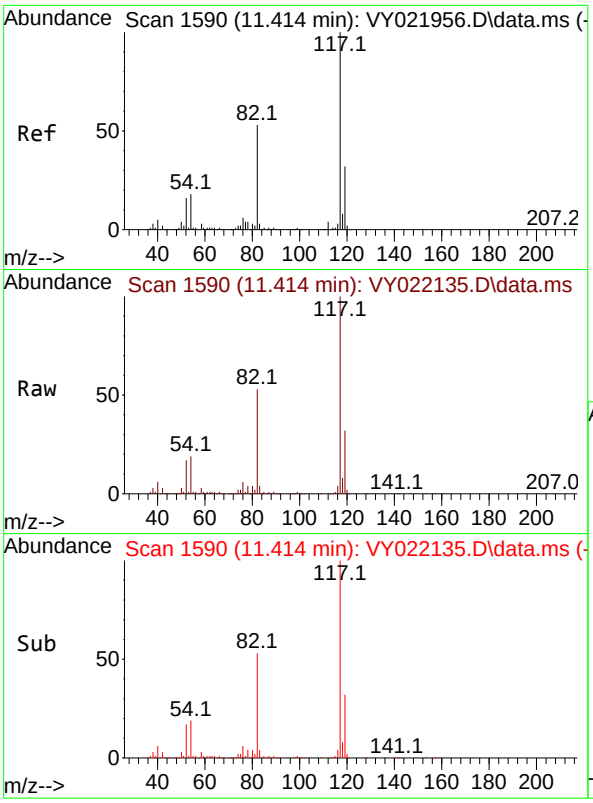


#62
4-Bromofluorobenzene
Concen: 44.573 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion: 95 Resp: 251156

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	179.0
176	82.4	0.0	171.8



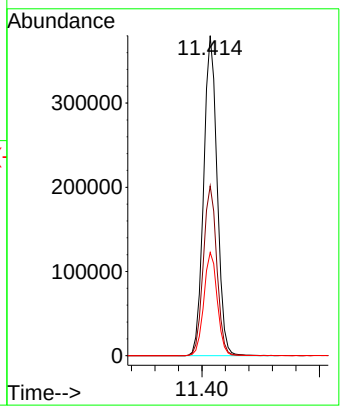


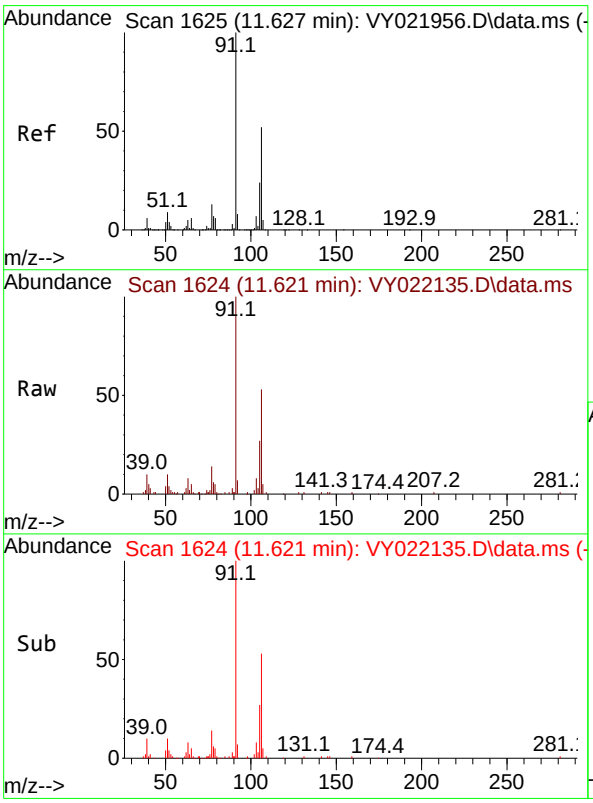
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:117 Resp: 603590

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	32.2	25.7	38.5

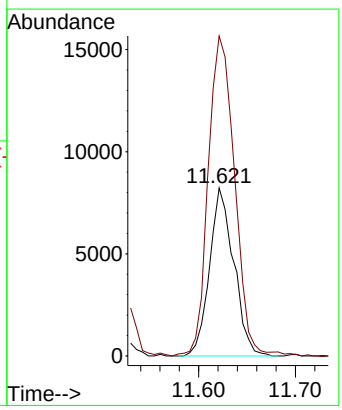


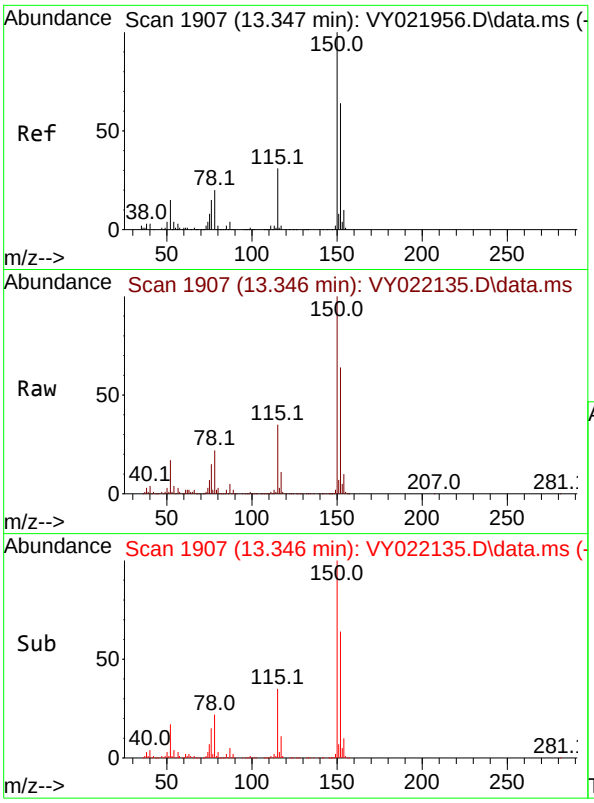


#68
m/p-Xylenes
Concen: 1.632 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:106 Resp: 14341

Ion	Ratio	Lower	Upper
106	100		
91	207.6	156.2	234.2



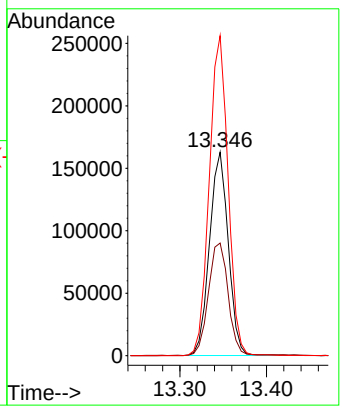


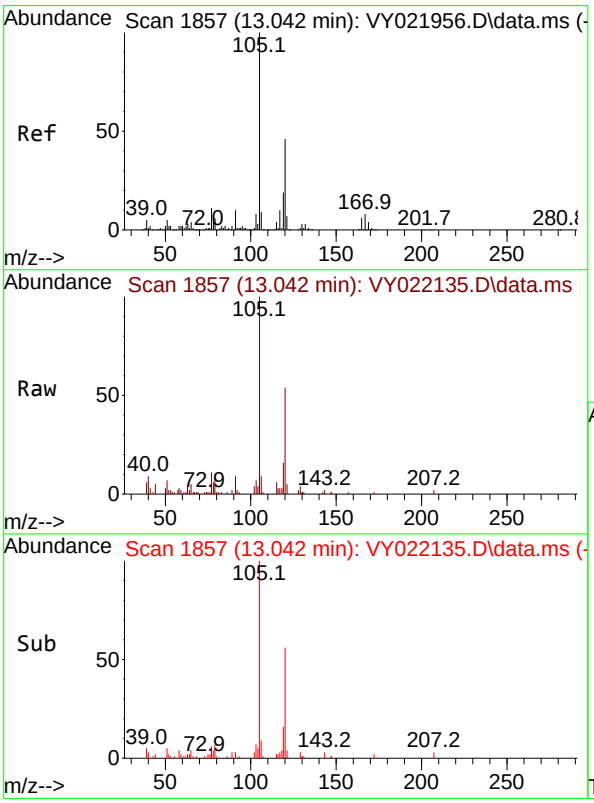
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:152 Resp: 245556

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	84.0
150	157.5	0.0	345.6

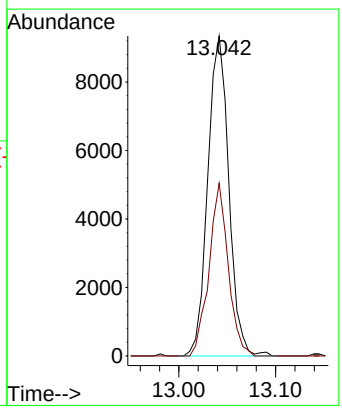




#84
1,2,4-Trimethylbenzene
Concen: 1.042 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:105 Resp: 14082

Ion	Ratio	Lower	Upper
105	100		
120	49.5	23.4	70.0



Sample Results: **VY022135.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022135.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.013	210	212	223	rVB3	9498	21661	1.05%	0.195%
2	4.616	464	475	481	rBV2	13504	37214	1.80%	0.334%
3	7.628	957	969	975	rBV	301732	730262	35.35%	6.561%
4	7.707	975	982	1002	rVB	462975	1075988	52.08%	9.668%
5	8.055	1031	1039	1051	rBV	220727	493414	23.88%	4.433%
6	8.610	1121	1130	1145	rBV	775382	1499524	72.58%	13.473%
7	10.103	1367	1375	1382	rBV	1236441	2065926	100.00%	18.562%
8	10.170	1382	1386	1394	rVB	25662	46857	2.27%	0.421%
9	11.414	1581	1590	1603	rBV	1117974	1789317	86.61%	16.077%
10	11.621	1618	1624	1631	rBV	47508	90276	4.37%	0.811%
11	11.950	1665	1678	1686	rBV	28108	72484	3.51%	0.651%
12	12.402	1744	1752	1764	rBV	810522	1311000	63.46%	11.779%
13	12.591	1769	1783	1790	rVV6	25120	96718	4.68%	0.869%
14	12.658	1790	1794	1795	rVV	25053	38717	1.87%	0.348%
15	12.682	1796	1798	1802	rVV2	31869	48643	2.35%	0.437%
16	12.731	1802	1806	1811	rVV4	21216	43469	2.10%	0.391%
17	13.042	1851	1857	1864	rVB	28193	42813	2.07%	0.385%
18	13.346	1900	1907	1915	rBV	925863	1451096	70.24%	13.038%
19	13.450	1921	1924	1928	rVB2	14732	21542	1.04%	0.194%
20	13.804	1974	1982	1990	rBV10	6684	21558	1.04%	0.194%
21	13.883	1990	1995	2002	rVB2	78816	131215	6.35%	1.179%

Sum of corrected areas: 11129694

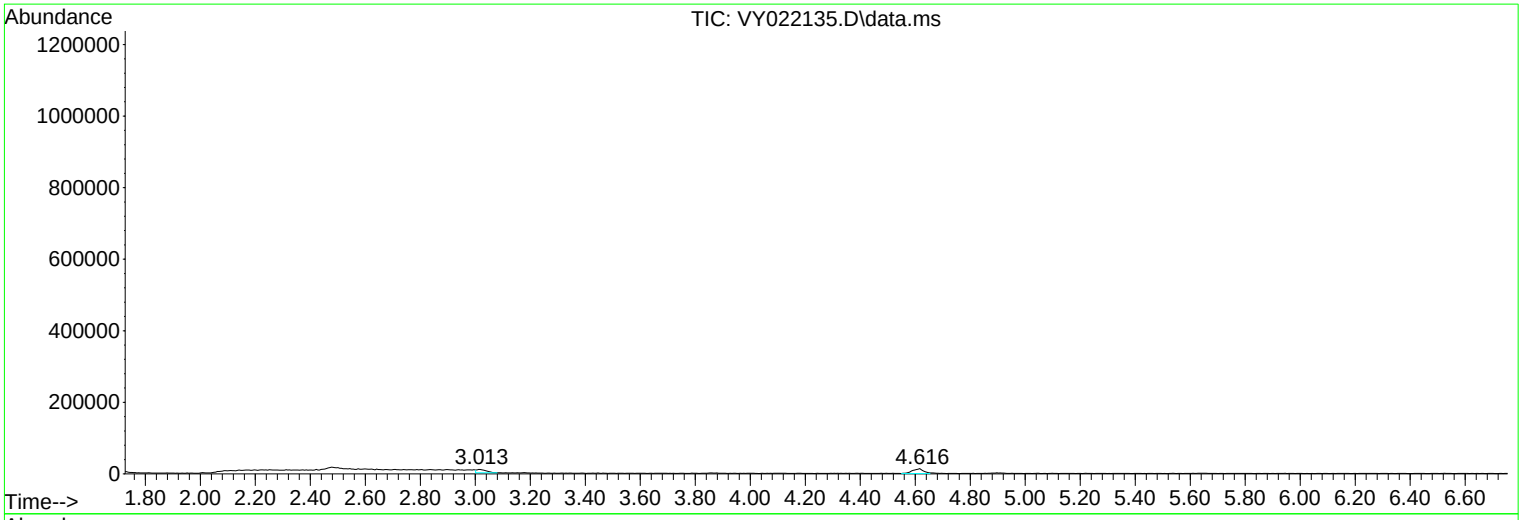
Sample Results: **VY022135.D**

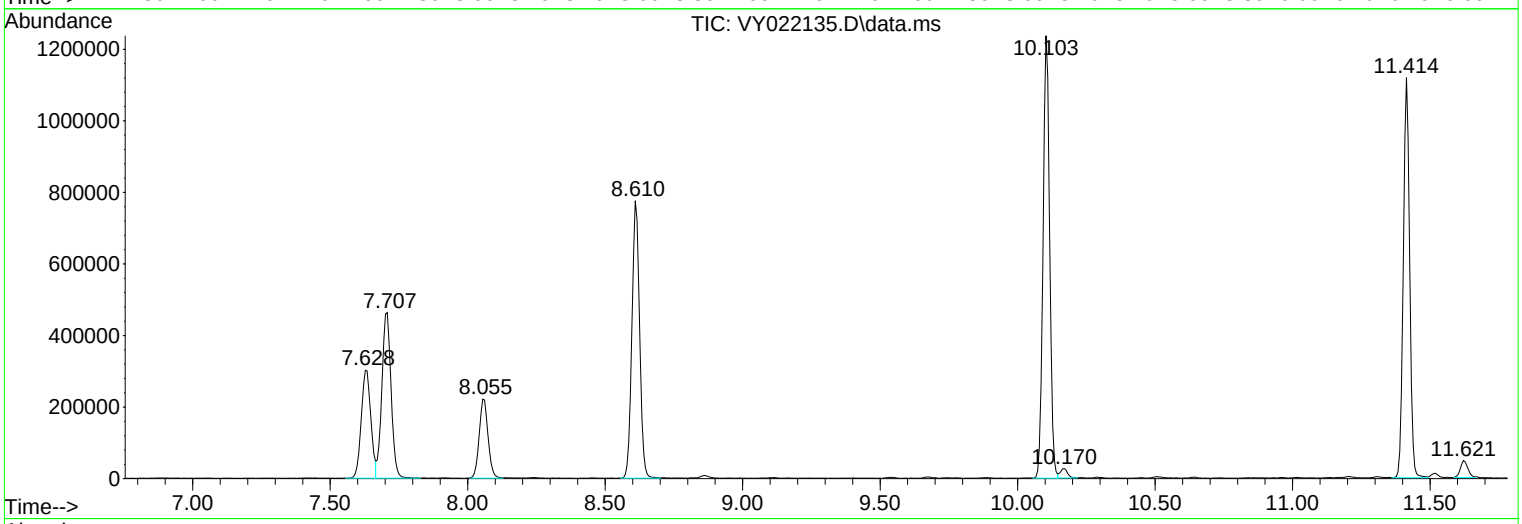
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

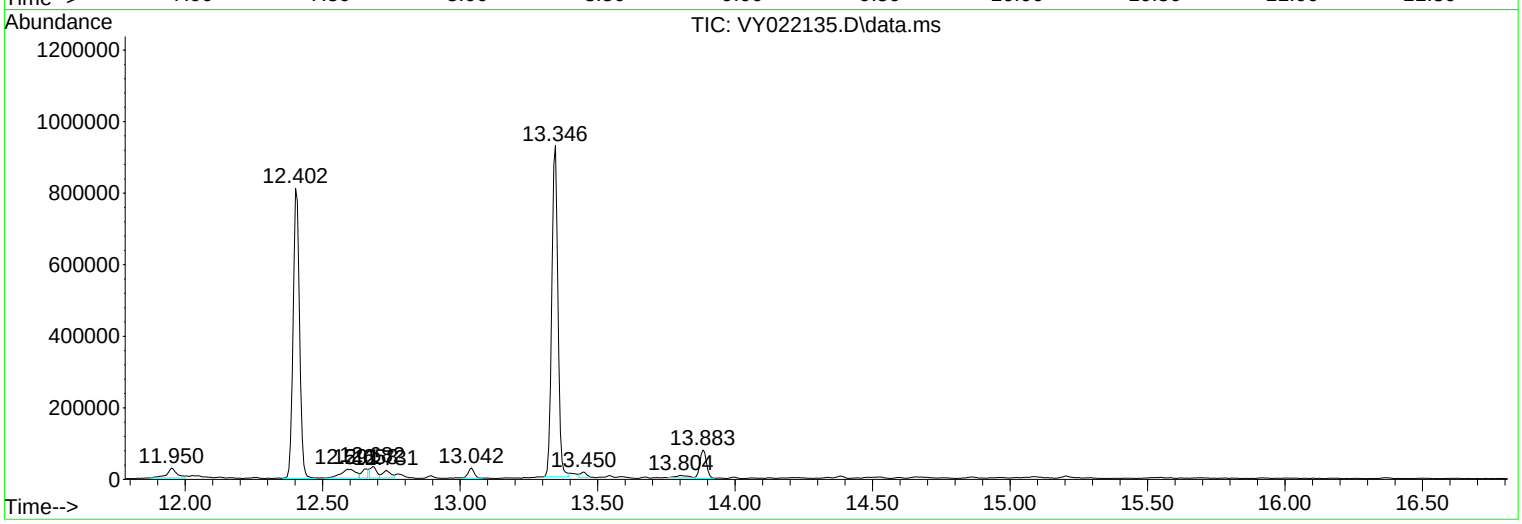
Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VY022135.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Time: May 06 01:48:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

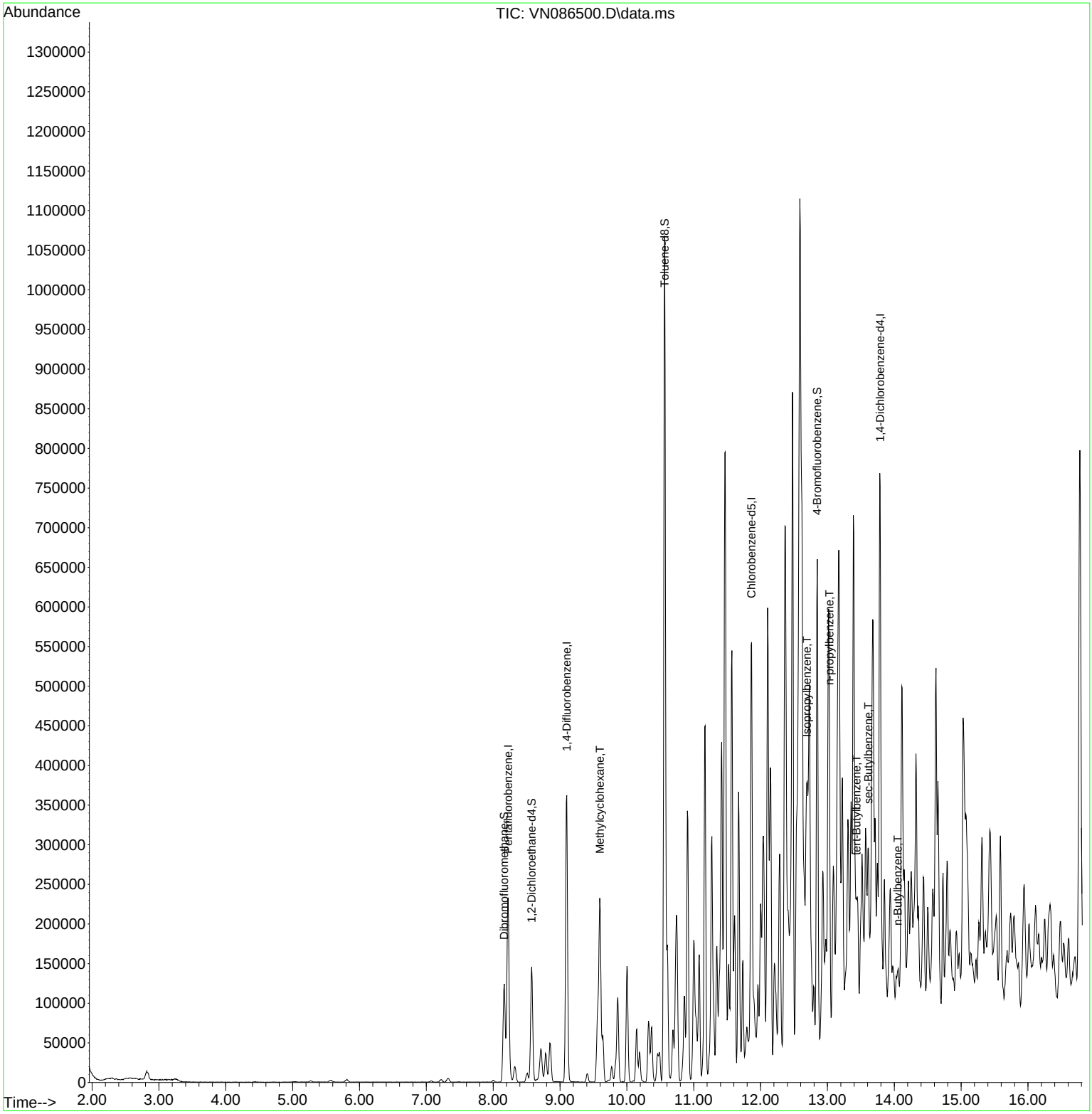
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119417	46.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.580%			
35) Dibromofluoromethane	8.165	113	90948	59.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.660%			
50) Toluene-d8	10.565	98	449439	54.860	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.847	95	168278	56.315	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.620%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.594	83	103464	28.431	ug/l	99
73) Isopropylbenzene	12.694	105	56356	4.494	ug/l	97
78) n-propylbenzene	13.029	91	112868	7.637	ug/l	100
83) tert-Butylbenzene	13.435	119	12456	1.400	ug/l	86
85) sec-Butylbenzene	13.612	105	62042	5.029	ug/l #	70
89) n-Butylbenzene	14.053	91	19294	2.141	ug/l #	85

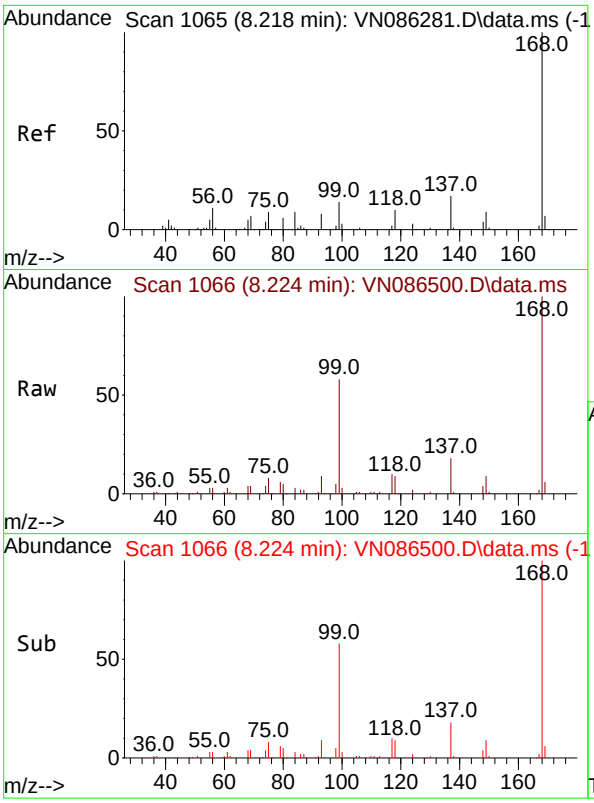
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Time: May 06 01:48:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



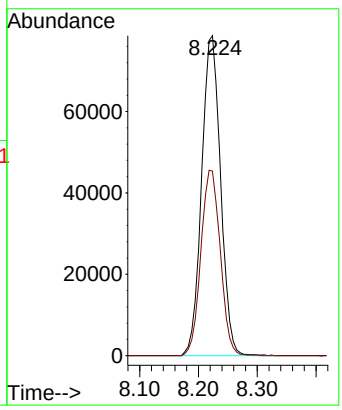


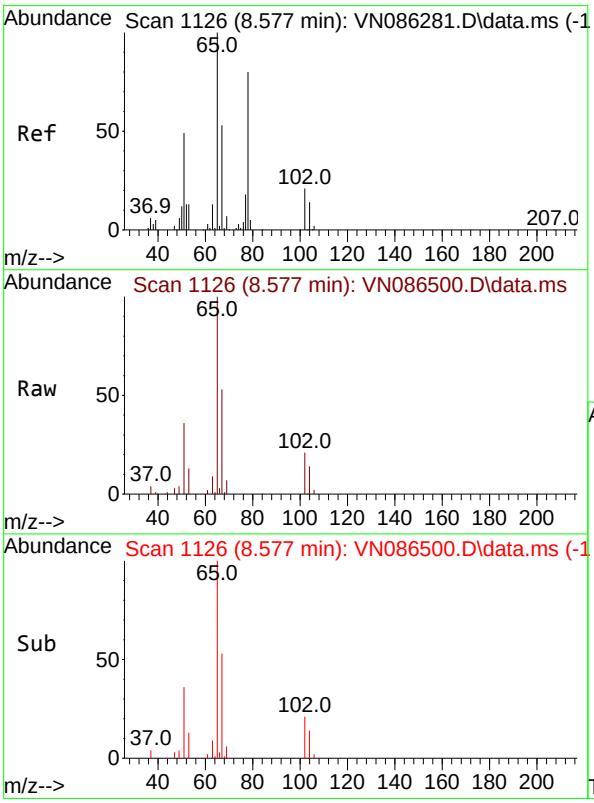
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:168 Resp: 176014

Ion	Ratio	Lower	Upper
168	100		
99	57.7	52.5	78.7

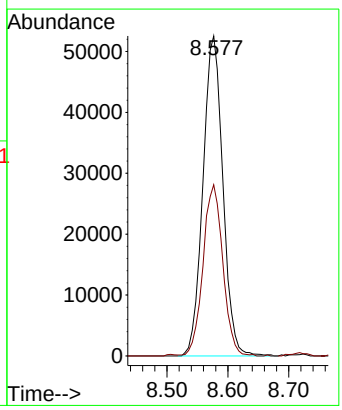


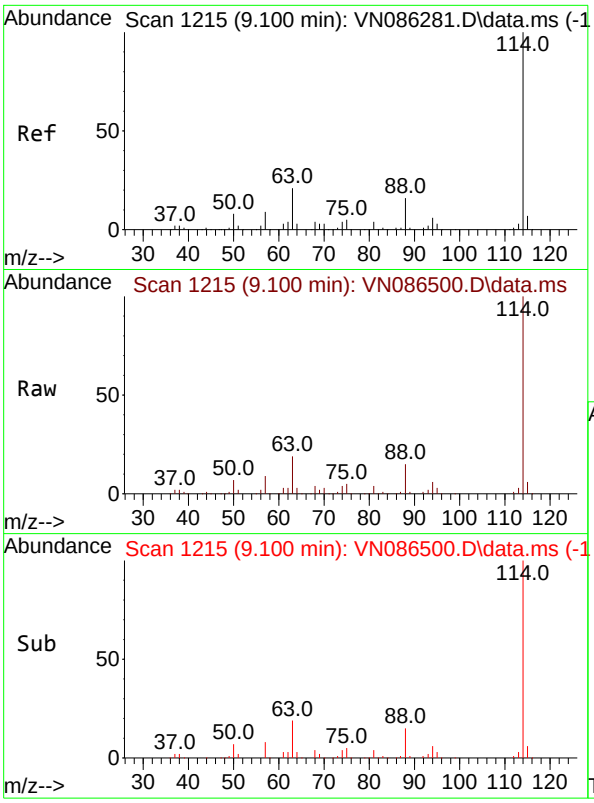


#33
1,2-Dichloroethane-d4
Concen: 46.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 65 Resp: 119417

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.0



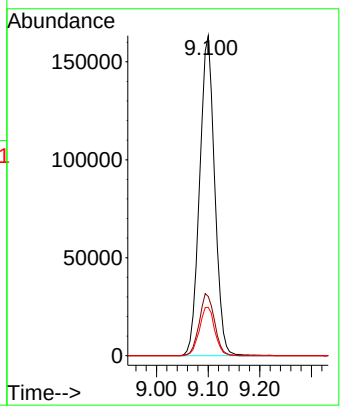


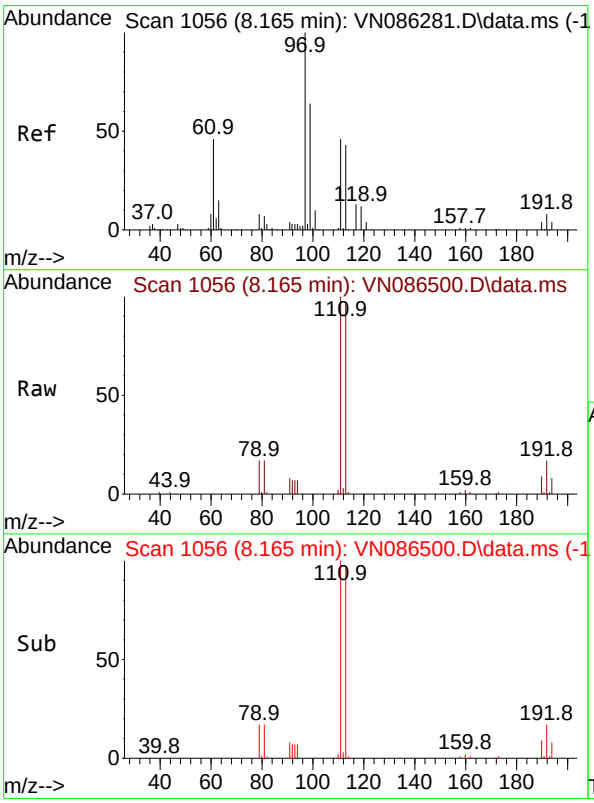
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:114 Resp: 330285

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	42.6
88	15.1	0.0	31.8

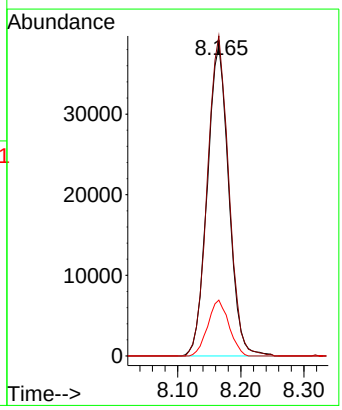


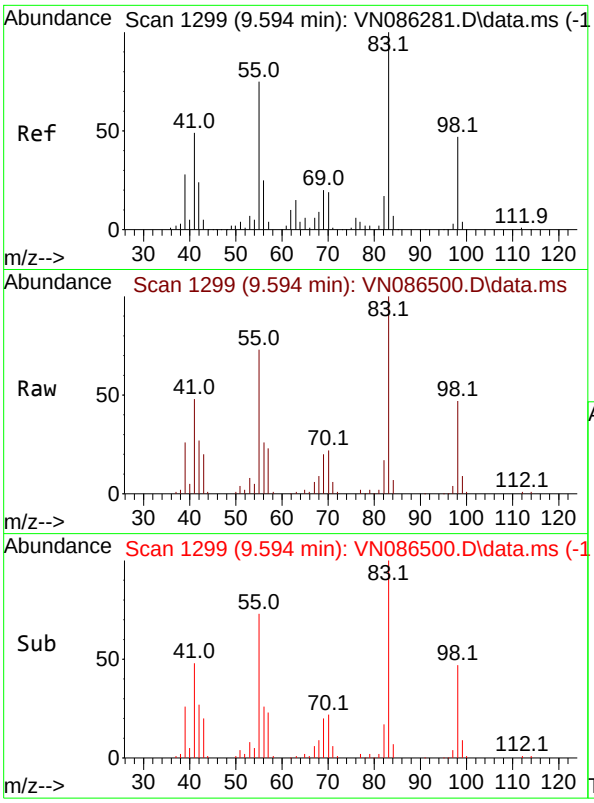


#35
Dibromofluoromethane
Concen: 59.331 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:113 Resp: 90948

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.0
192	17.7	13.7	20.5



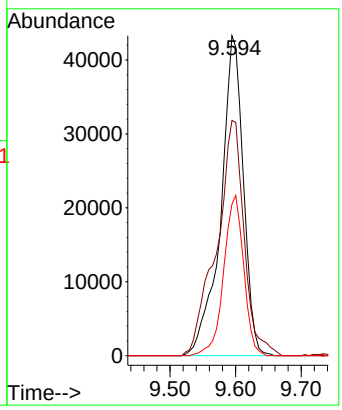


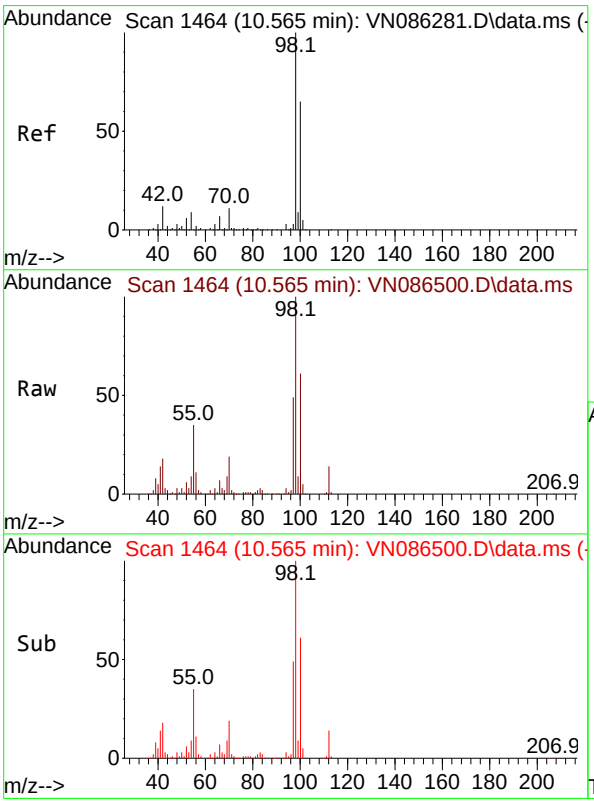
#39
Methylcyclohexane
Concen: 28.431 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion: 83 Resp: 103464

Ion	Ratio	Lower	Upper
83	100		
55	73.5	59.8	89.8
98	47.3	37.9	56.9

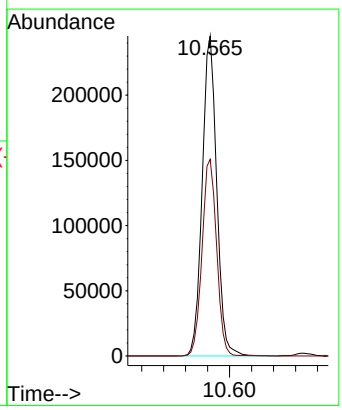


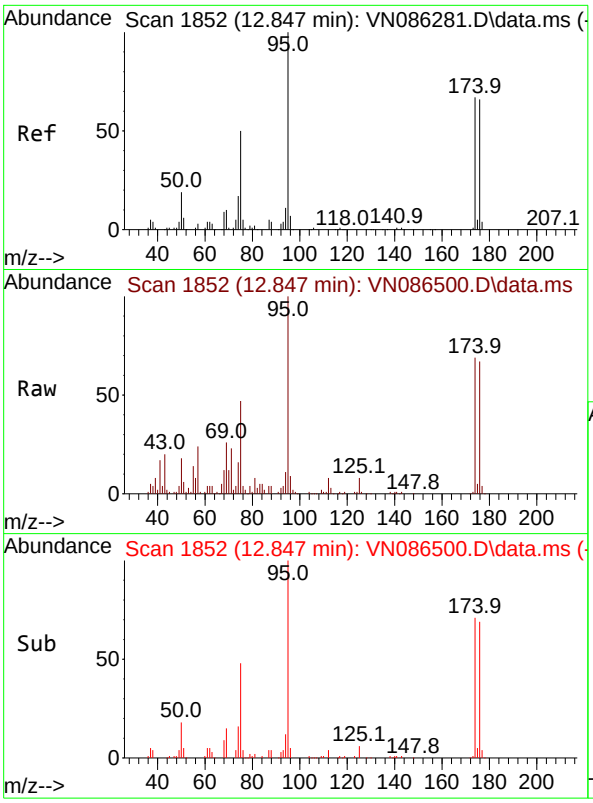


#50
Toluene-d8
Concen: 54.860 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 98 Resp: 449439

Ion	Ratio	Lower	Upper
98	100		
100	61.7	52.5	78.7



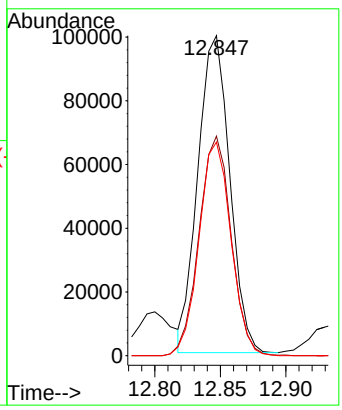


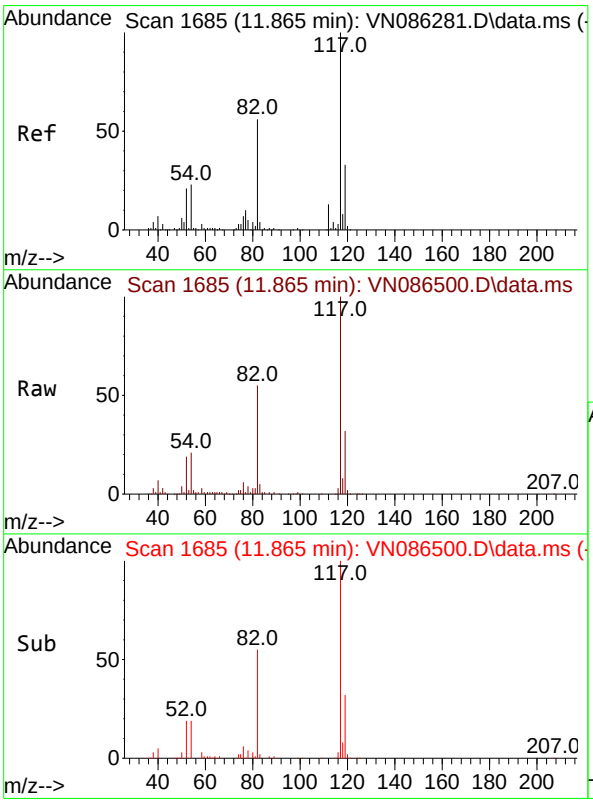
#62
4-Bromofluorobenzene
Concen: 56.315 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion: 95 Resp: 168278

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	133.4
176	67.6	0.0	129.2

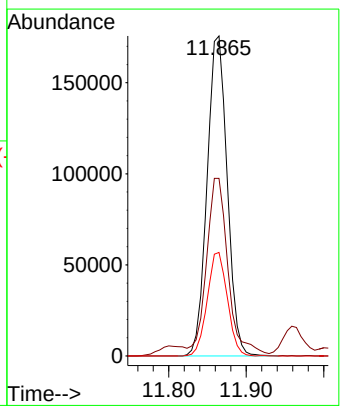


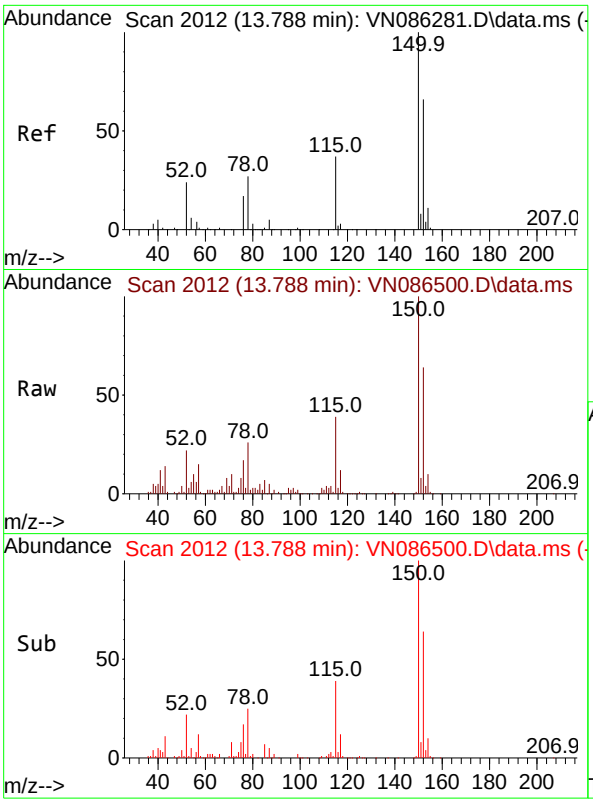


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:117 Resp: 317139

Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.7	67.1
119	32.4	26.4	39.6



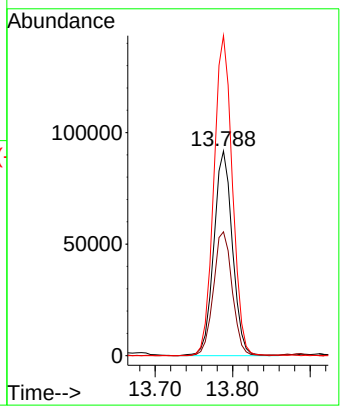


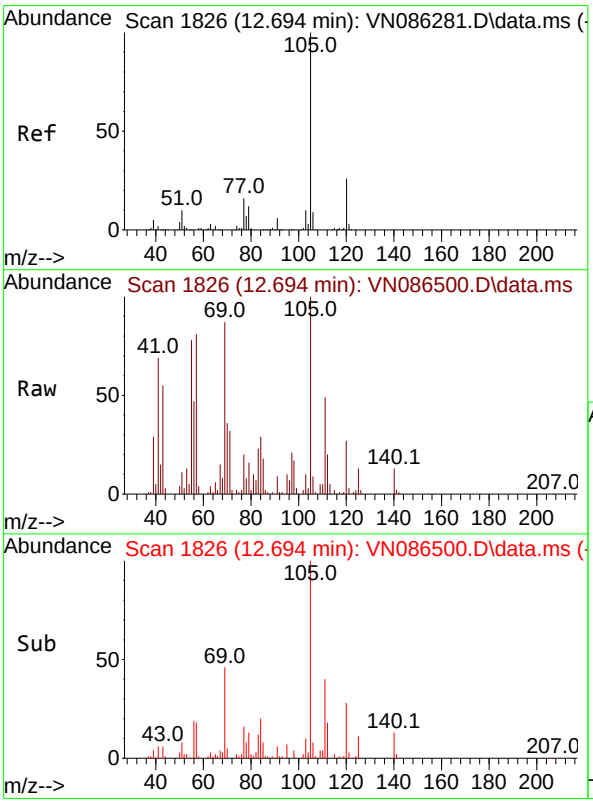
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:152 Resp: 153312

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.9	95.9
150	155.4	0.0	352.0

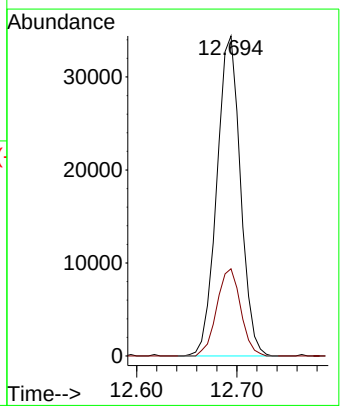


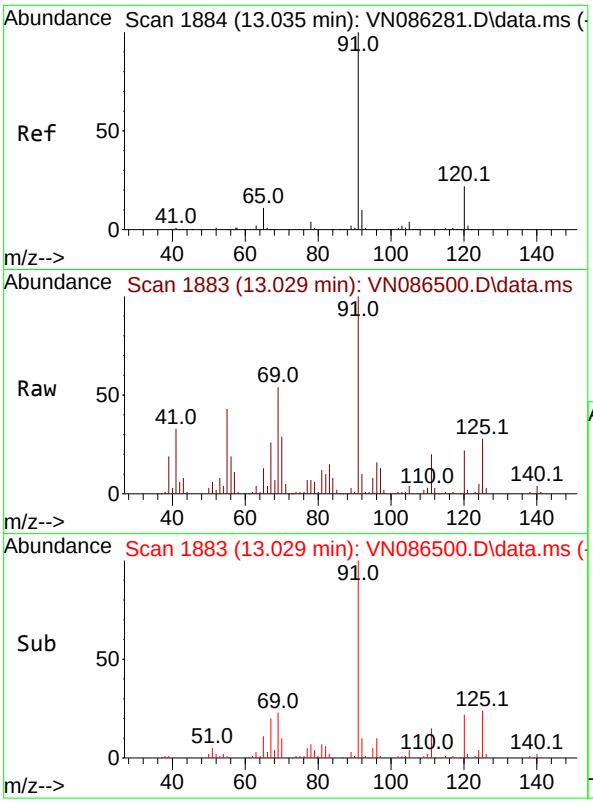


#73
Isopropylbenzene
Concen: 4.494 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:105 Resp: 56356

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.1	39.3



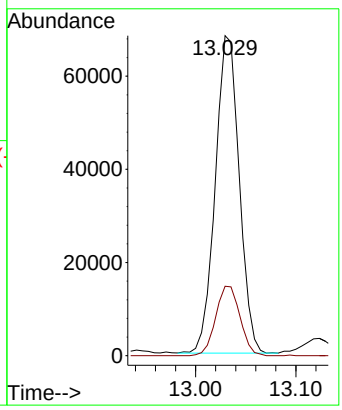


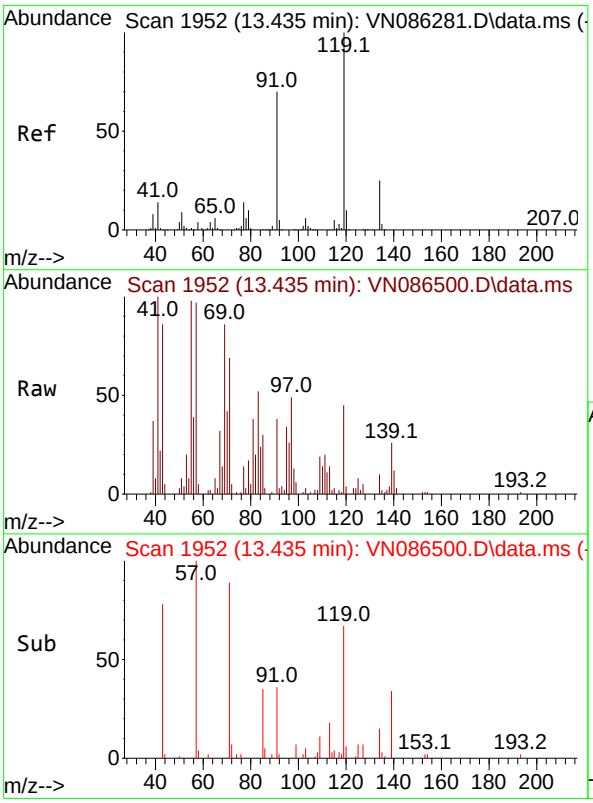
#78
n-propylbenzene
Concen: 7.637 ug/l
RT: 13.029 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion: 91 Resp: 112868

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

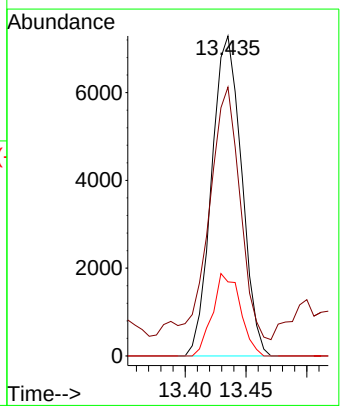


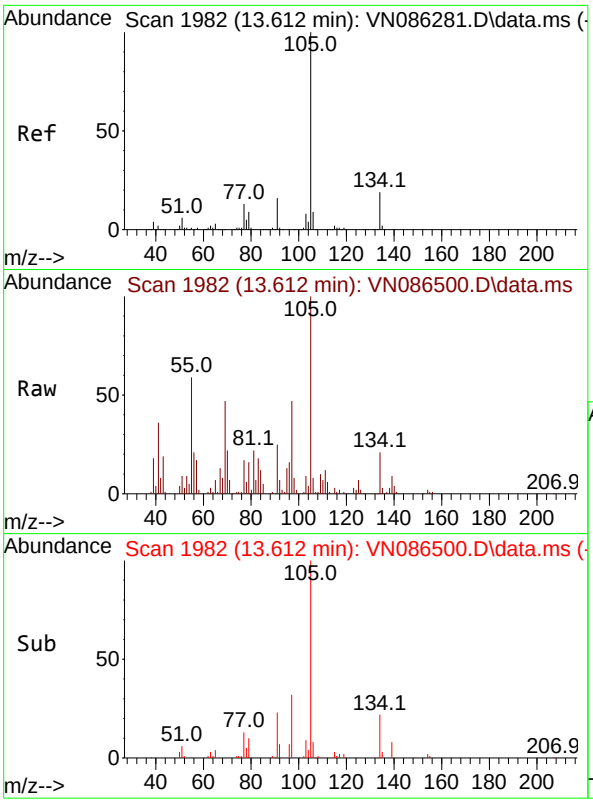


#83
tert-Butylbenzene
Concen: 1.400 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:119 Resp: 12456

Ion	Ratio	Lower	Upper
119	100		
91	83.1	34.4	103.3
134	24.0	13.0	39.0



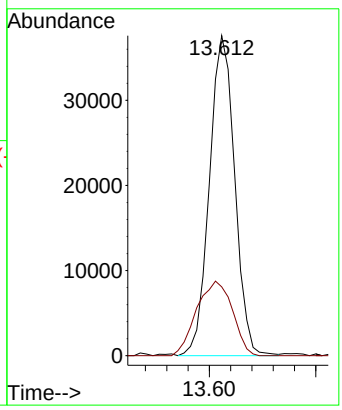


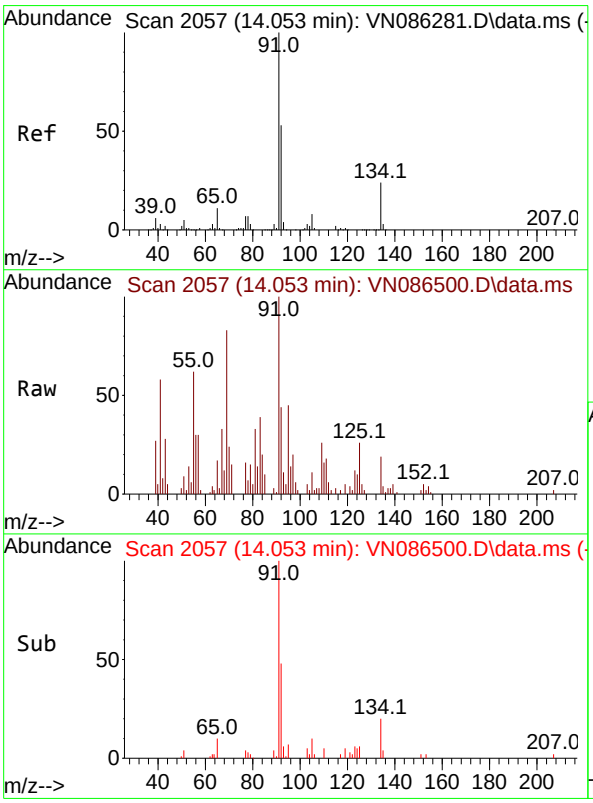
#85
sec-Butylbenzene
Concen: 5.029 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:105 Resp: 62042

Ion	Ratio	Lower	Upper
105	100		
134	32.9	9.7	29.1#

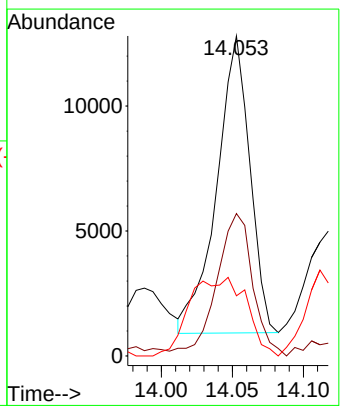




#89
n-Butylbenzene
Concen: 2.141 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 91 Resp: 19294

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.4
134	45.3	12.2	36.6#



Sample Results: **VN086500.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086500.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	124143	286260	6.67%	0.641%
2	8.224	1060	1066	1076	rVV	232405	545663	12.72%	1.222%
3	8.324	1076	1083	1091	rVB2	19830	48546	1.13%	0.109%
4	8.577	1118	1126	1135	rVB	143777	316640	7.38%	0.709%
5	8.712	1141	1149	1156	rBV4	38394	97050	2.26%	0.217%
6	8.783	1156	1161	1167	rVV2	34345	76199	1.78%	0.171%
7	8.847	1167	1172	1183	rVB3	48924	111407	2.60%	0.249%
8	9.100	1205	1215	1225	rBV	361954	744938	17.36%	1.668%
9	9.594	1286	1299	1305	rBV3	231860	677309	15.79%	1.516%
10	9.865	1334	1345	1356	rVB2	106636	249474	5.81%	0.558%
11	10.000	1360	1368	1381	rBV2	146374	292062	6.81%	0.654%
12	10.147	1386	1393	1397	rBV	65462	127513	2.97%	0.285%
13	10.188	1397	1400	1415	rVB2	37554	69095	1.61%	0.155%
14	10.324	1415	1423	1427	rBV3	77166	161389	3.76%	0.361%
15	10.371	1427	1431	1439	rVB2	68093	126390	2.95%	0.283%
16	10.459	1439	1446	1448	rBV2	34345	62790	1.46%	0.141%
17	10.565	1456	1464	1469	rBV	1065219	2000653	46.63%	4.479%
18	10.688	1479	1485	1488	rBV3	60986	112178	2.61%	0.251%
19	10.741	1488	1494	1503	rVB4	209194	518866	12.09%	1.162%
20	10.859	1503	1514	1517	rBV	107155	217153	5.06%	0.486%
21	10.906	1517	1522	1530	rVB	338623	639105	14.89%	1.431%
22	11.000	1530	1538	1547	rBV3	175412	484107	11.28%	1.084%
23	11.082	1547	1552	1558	rVB	152562	273098	6.36%	0.611%
24	11.171	1558	1567	1573	rBV	441363	798037	18.60%	1.787%
25	11.271	1573	1584	1592	rBV	299862	698649	16.28%	1.564%
26	11.347	1592	1597	1600	rBV2	137567	229181	5.34%	0.513%
27	11.418	1600	1609	1612	rBV	346646	637943	14.87%	1.428%
28	11.471	1612	1618	1623	rVB	717119	1323089	30.84%	2.962%
29	11.524	1623	1627	1630	rBV	70618	91301	2.13%	0.204%
30	11.571	1630	1635	1639	rBV2	451998	735435	17.14%	1.646%
31	11.612	1639	1642	1647	rVB2	186213	290070	6.76%	0.649%
32	11.671	1647	1652	1658	rBV	342009	588335	13.71%	1.317%
33	11.735	1658	1663	1667	rVB	121576	176509	4.11%	0.395%
34	11.794	1667	1673	1677	rBV5	37519	75490	1.76%	0.169%
35	11.865	1678	1685	1697	rBV	502510	974370	22.71%	2.181%
36	11.959	1697	1701	1704	rBV	66365	93534	2.18%	0.209%

Sample Results: **VN086500.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

37	12.000	1704	1708	1711	rBV	141874	231803	5.40%	0.519%
38	12.041	1711	1715	1721	rVB4	234403	484326	11.29%	1.084%
39	12.106	1721	1726	1730	rBV	522144	941675	21.95%	2.108%
40	12.147	1730	1733	1739	rVB3	362687	619984	14.45%	1.388%
41	12.206	1739	1743	1750	rBV3	116049	278094	6.48%	0.623%
42	12.282	1750	1756	1763	rVB4	241693	487996	11.37%	1.092%
43	12.365	1763	1770	1777	rBV3	655719	1574916	36.70%	3.526%
44	12.476	1783	1789	1794	rVB2	810475	1452954	33.86%	3.253%
45	12.588	1794	1808	1821	rBV4	1054513	4290818	100.00%	9.606%
46	12.694	1821	1826	1828	rVV5	276381	593441	13.83%	1.329%
47	12.729	1829	1832	1840	rVB3	412111	746287	17.39%	1.671%
48	12.794	1840	1843	1846	rVB	48648	59589	1.39%	0.133%
49	12.847	1846	1852	1858	rVB	605250	1004948	23.42%	2.250%
50	12.929	1858	1866	1871	rBV4	211834	495179	11.54%	1.109%
51	13.018	1876	1881	1887	rVB3	515778	1026636	23.93%	2.298%
52	13.088	1887	1893	1898	rBV5	191463	422586	9.85%	0.946%
53	13.171	1898	1907	1912	rBV5	510113	1320881	30.78%	2.957%
54	13.223	1912	1916	1921	rVB2	267890	445724	10.39%	0.998%
55	13.306	1925	1930	1934	rBV3	189649	323475	7.54%	0.724%
56	13.353	1934	1938	1941	rBV2	162315	242296	5.65%	0.542%
57	13.388	1941	1944	1950	rVB	484184	718339	16.74%	1.608%
58	13.518	1959	1966	1971	rBV3	176065	428278	9.98%	0.959%
59	13.570	1971	1975	1979	rVV3	146355	237787	5.54%	0.532%
60	13.612	1979	1982	1986	rVB2	112494	150973	3.52%	0.338%
61	13.676	1986	1993	1997	rBV4	401105	848835	19.78%	1.900%
62	13.747	2002	2005	2007	rVV	150328	218407	5.09%	0.489%
63	13.782	2007	2011	2019	rVV2	639035	1159910	27.03%	2.597%
64	13.853	2019	2023	2030	rVB2	148112	248351	5.79%	0.556%
65	13.941	2031	2038	2042	rBV5	130450	267975	6.25%	0.600%
66	14.112	2061	2067	2072	rBV2	379378	768187	17.90%	1.720%
67	14.212	2080	2084	2087	rBV3	100643	155018	3.61%	0.347%
68	14.253	2087	2091	2095	rVV4	93465	155529	3.62%	0.348%
69	14.323	2099	2103	2108	rVB	210935	323424	7.54%	0.724%
70	14.435	2117	2122	2128	rVB3	143707	276974	6.46%	0.620%
71	14.500	2129	2133	2139	rVV6	102005	181797	4.24%	0.407%
72	14.576	2142	2146	2149	rVV4	120620	233723	5.45%	0.523%
73	14.623	2149	2154	2157	rVV2	396819	714115	16.64%	1.599%
74	14.653	2157	2159	2167	rVB2	280627	422771	9.85%	0.946%
75	14.729	2167	2172	2176	rBV3	165116	257871	6.01%	0.577%
76	14.788	2178	2182	2187	rVV3	143783	255033	5.94%	0.571%

Sample Results: **VN086500.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

77	14.835	2187	2190	2197	rVB6	62456	111416	2.60%	0.249%
78	14.929	2201	2206	2210	rBV3	75054	149366	3.48%	0.334%
79	15.029	2218	2223	2229	rBV3	323061	820126	19.11%	1.836%
80	15.265	2259	2263	2266	rBV5	71191	124596	2.90%	0.279%
81	15.312	2266	2271	2276	rVB3	152169	287936	6.71%	0.645%
82	15.429	2286	2291	2298	rVB4	156890	381348	8.89%	0.854%
83	15.588	2313	2318	2327	rVB3	205289	400084	9.32%	0.896%
84	15.941	2370	2378	2385	rBV4	149459	426554	9.94%	0.955%
85	16.017	2387	2391	2397	rVB4	58069	122017	2.84%	0.273%
86	16.247	2428	2430	2436	rVB3	64303	95537	2.23%	0.214%
87	16.329	2437	2444	2450	rVB5	79358	237565	5.54%	0.532%
88	16.488	2464	2471	2476	rBV6	85022	224237	5.23%	0.502%
89	16.776	2512	2520	2522	rBV	667258	1271279	29.63%	2.846%

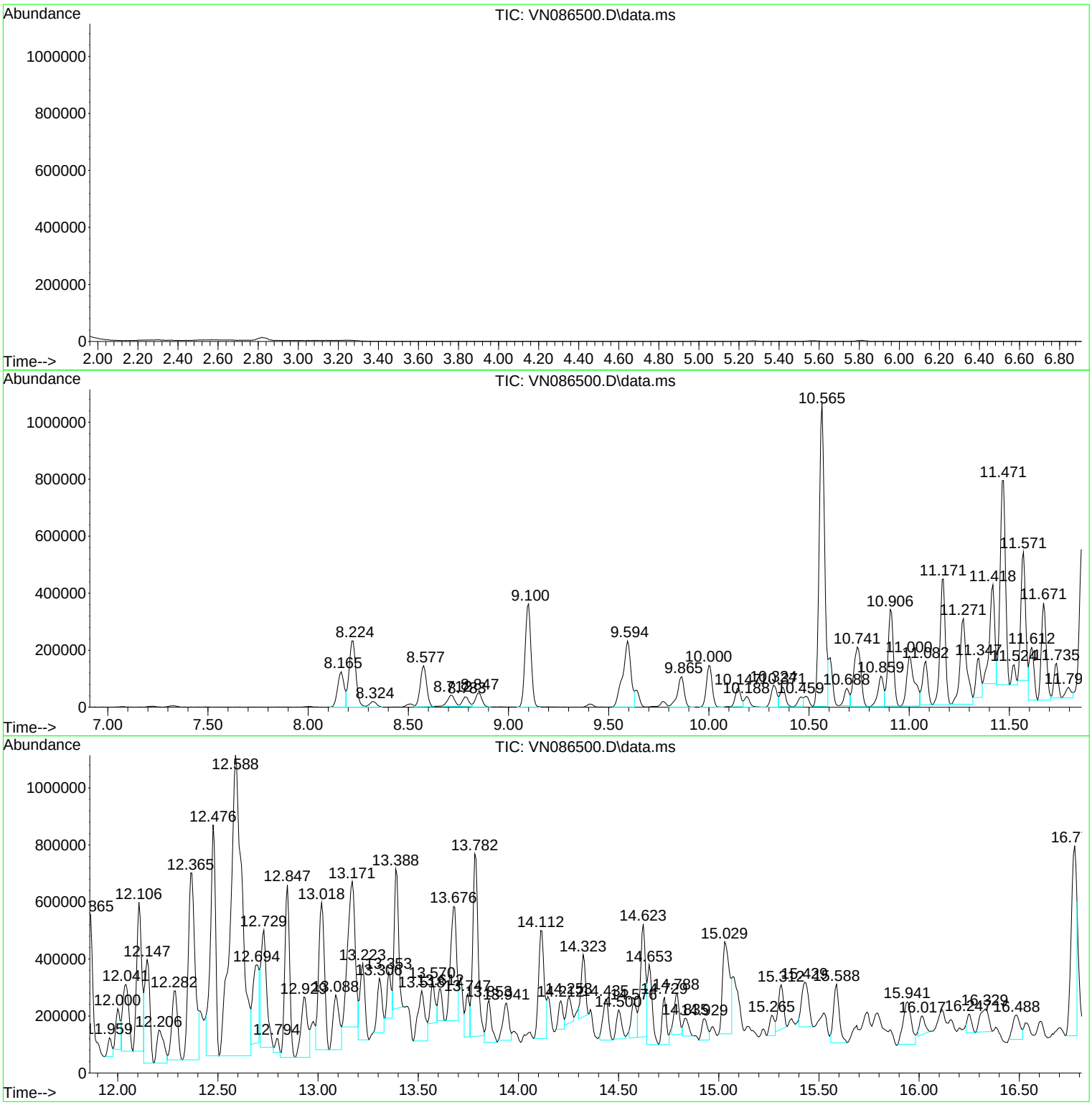
Sum of corrected areas: 44668794

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

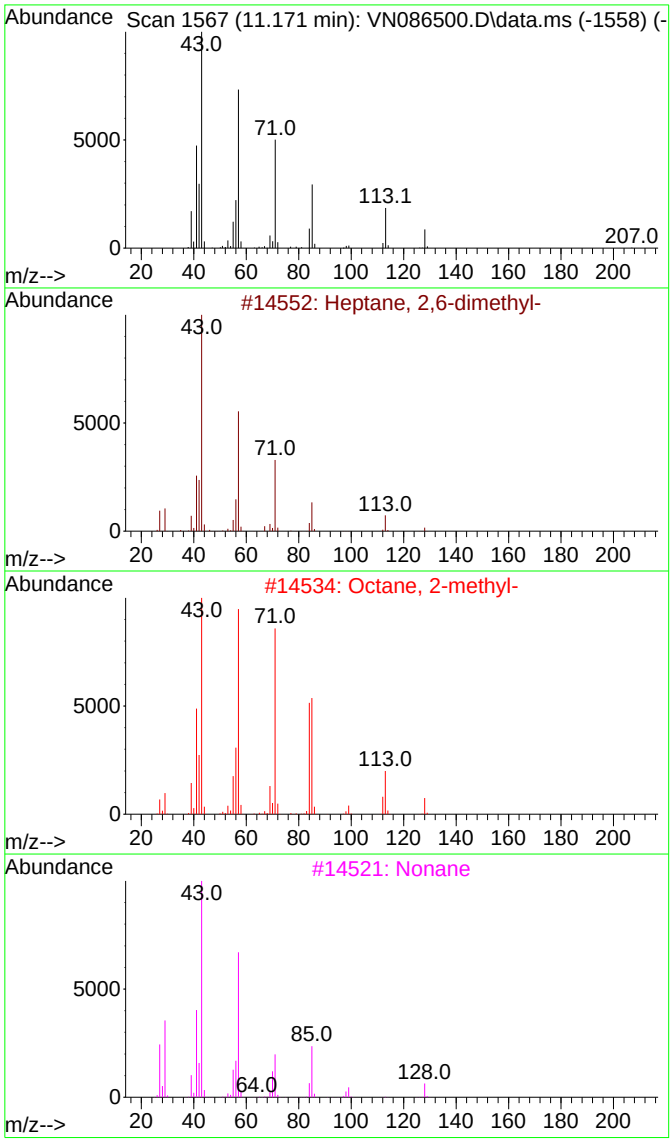
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

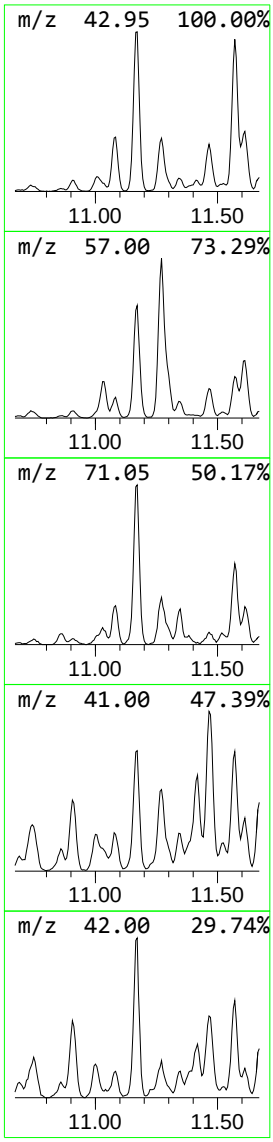
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.171	40.95 ug/l	798037	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2	Octane, 2-methyl-	128	C9H20	003221-61-2	91
3	Nonane	128	C9H20	000111-84-2	64
4	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59
5	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

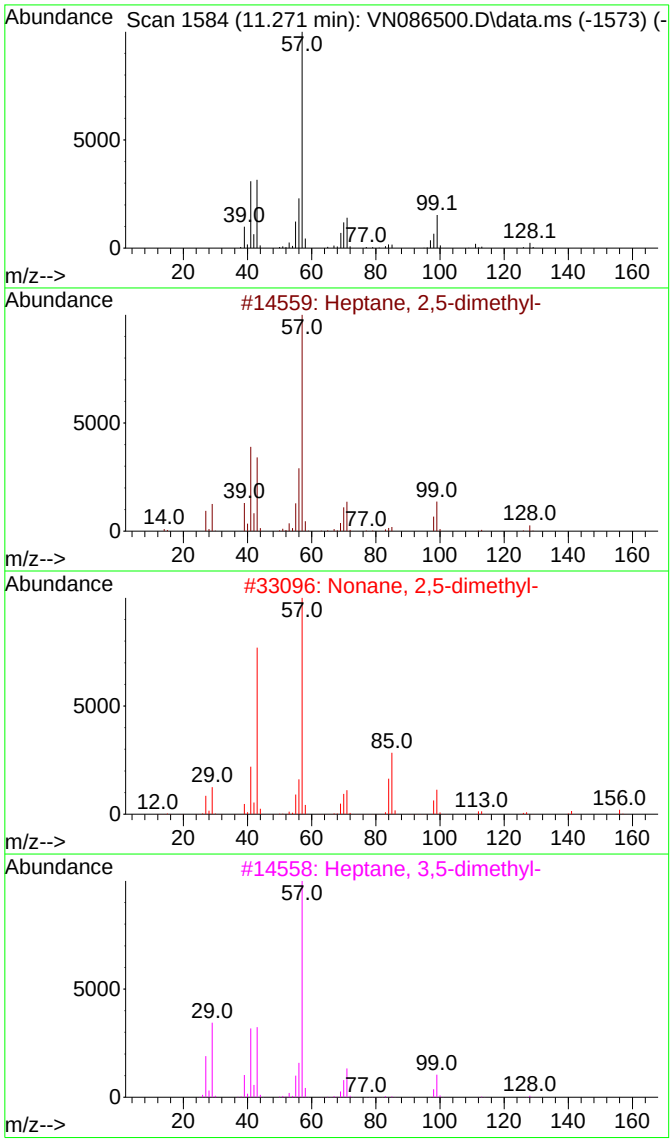
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

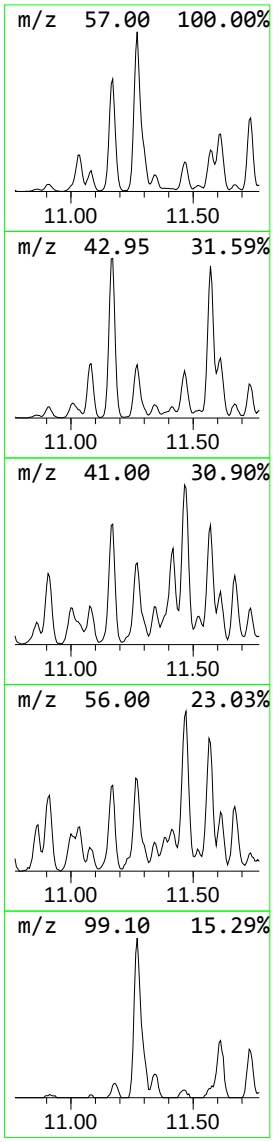
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.271	35.85 ug/l	698649	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	72
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

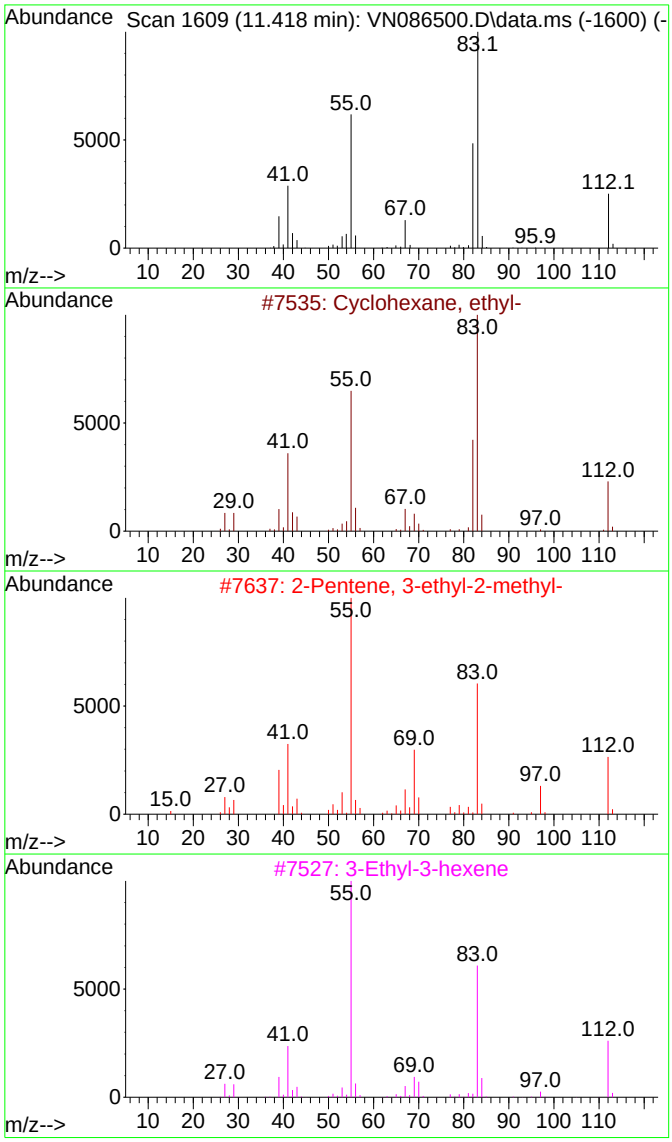
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

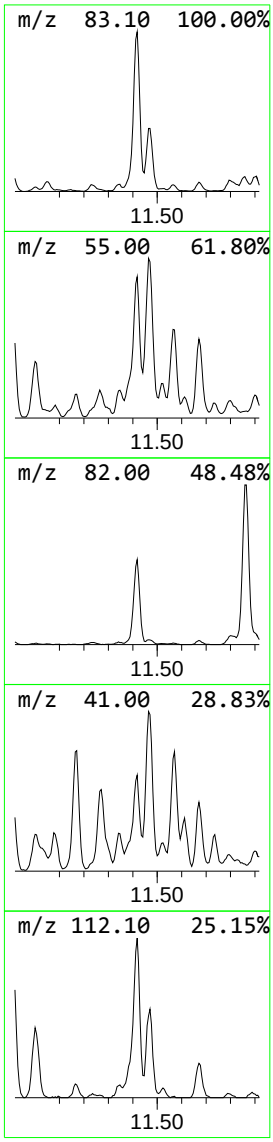
****

Peak Number 3 Cyclohexane, ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.418	32.74 ug/l	637943	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	59
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	58
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53
5	3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	53





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ALS Vial : 24 Sample Multiplier: 1

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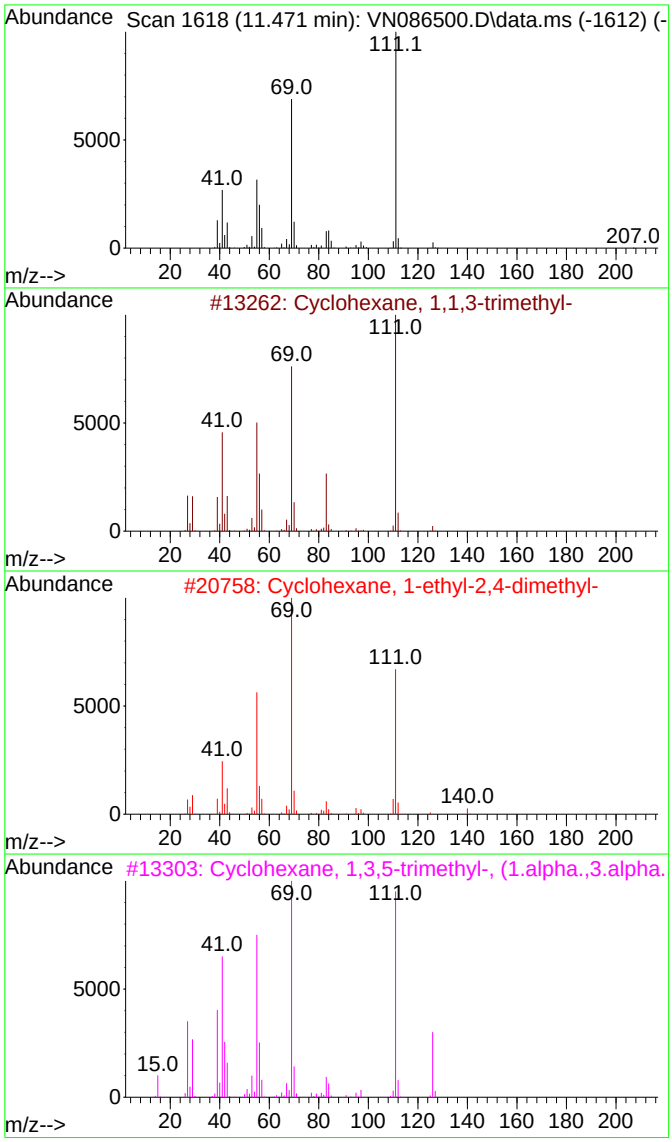
Quant Title : SW846 8260

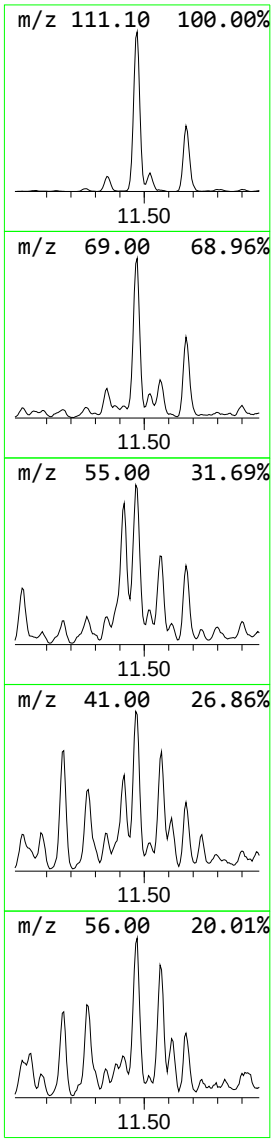
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.471	67.89 ug/l	1323090	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	50
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	45
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	38
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	37





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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SW846 8260

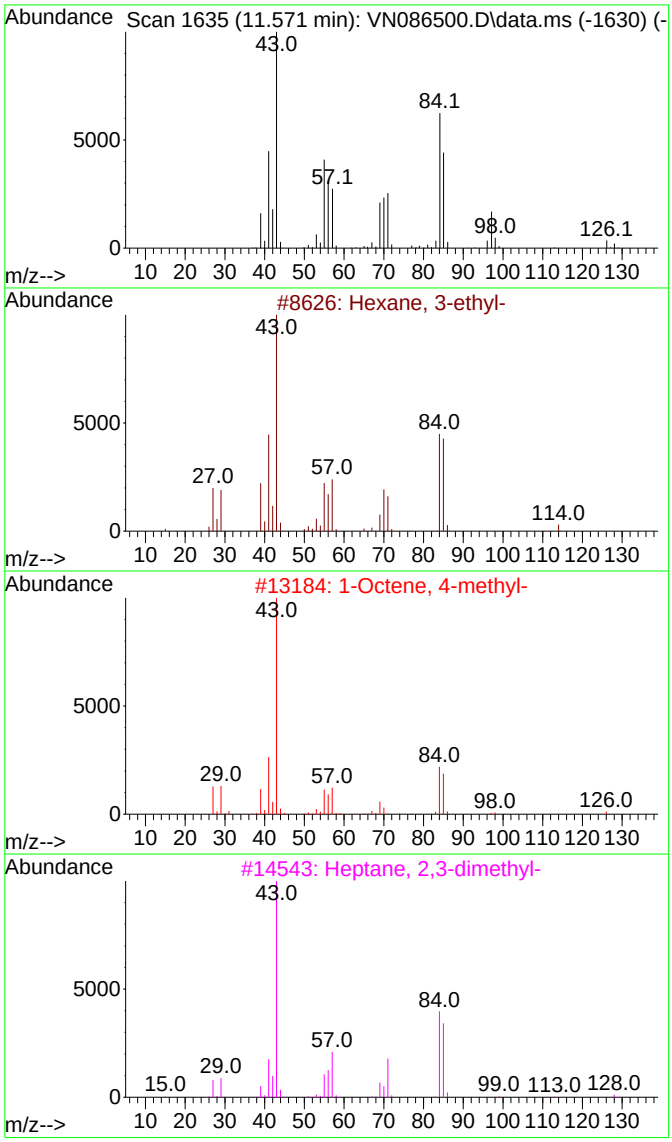
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

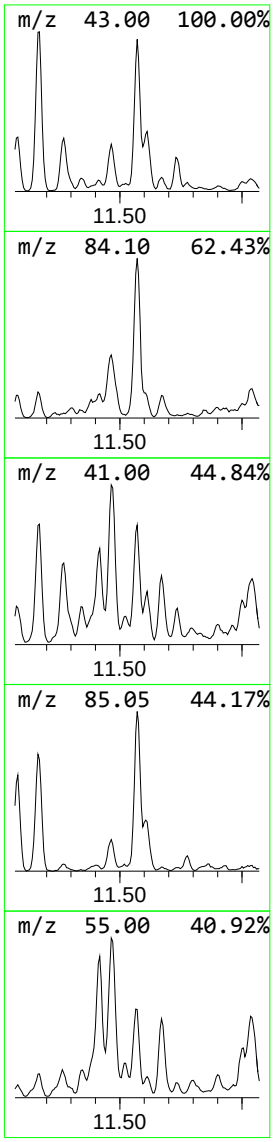
****

Peak Number 5 Hexane, 3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.571	37.74 ug/l	735435	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
2	1-Octene, 4-methyl-	126	C9H18	013151-12-7	52
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Formic acid, 2-ethylbutyl ester	130	C7H14O2	1000367-92-2	43





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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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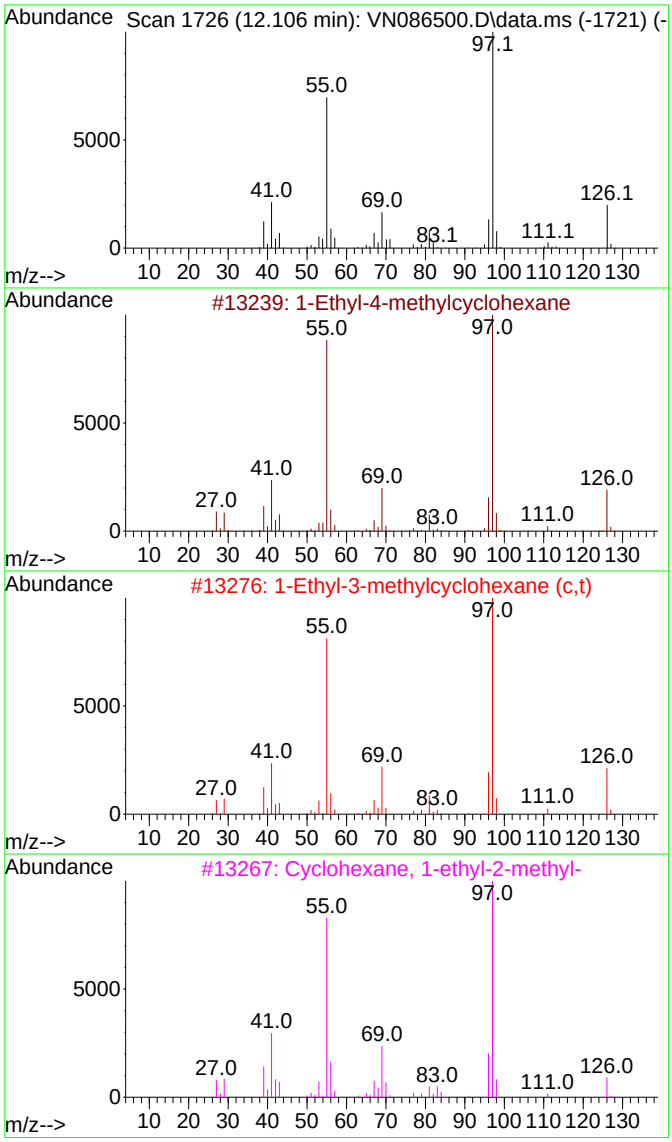
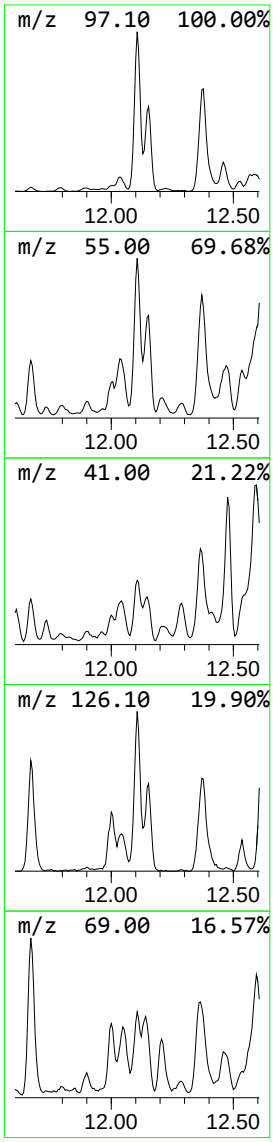
Peak Number 6 1-Ethyl-4-methylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.106	48.32 ug/l	941675	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90





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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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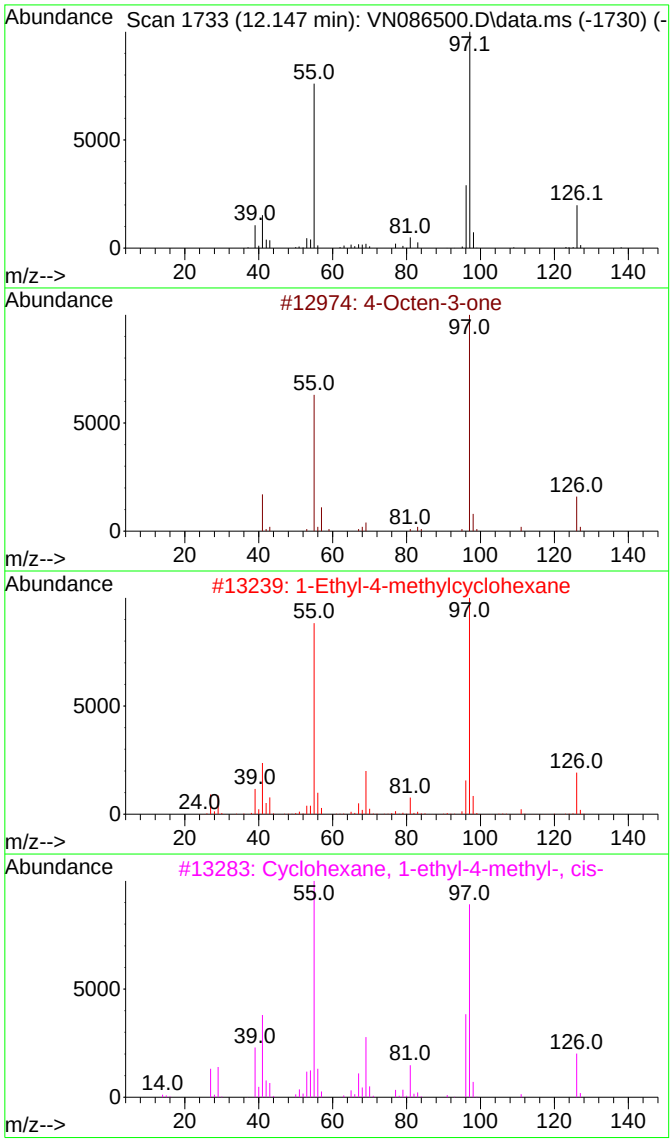
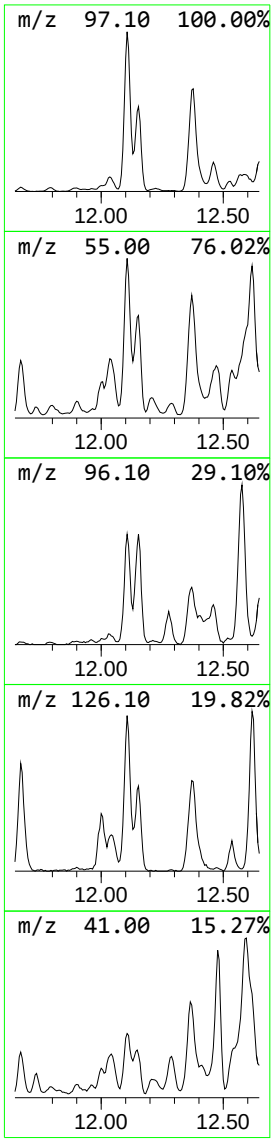
Peak Number 7 4-Octen-3-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.147	31.81 ug/l	619984	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octen-3-one	126	C8H14O	014129-48-7	64
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	56
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	56
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	50
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50





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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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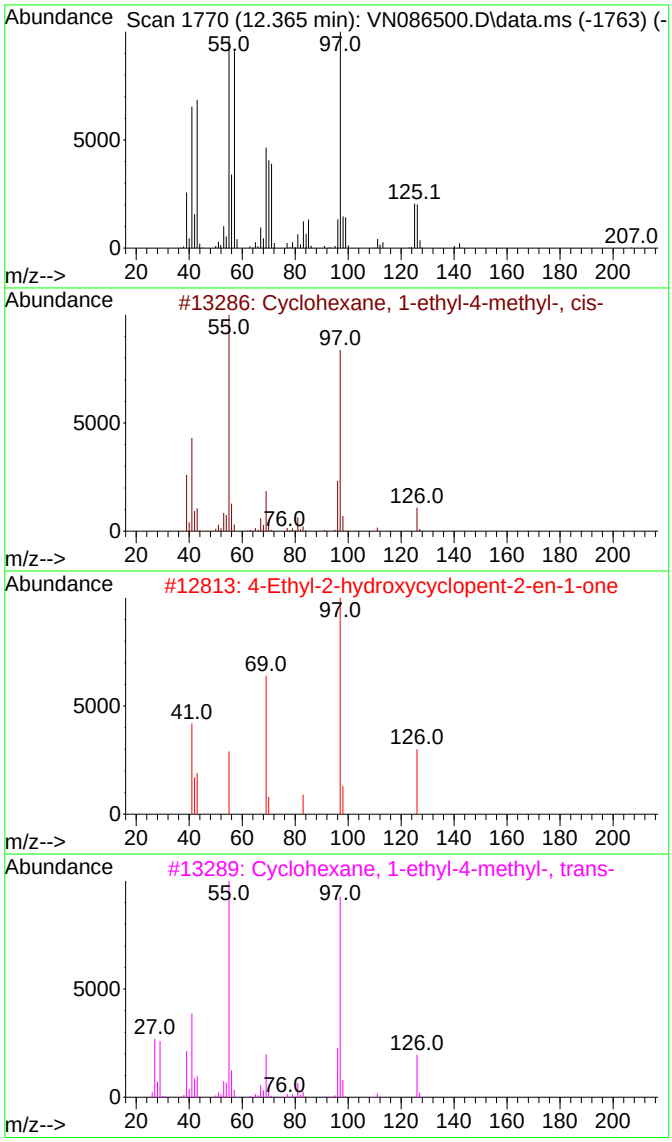
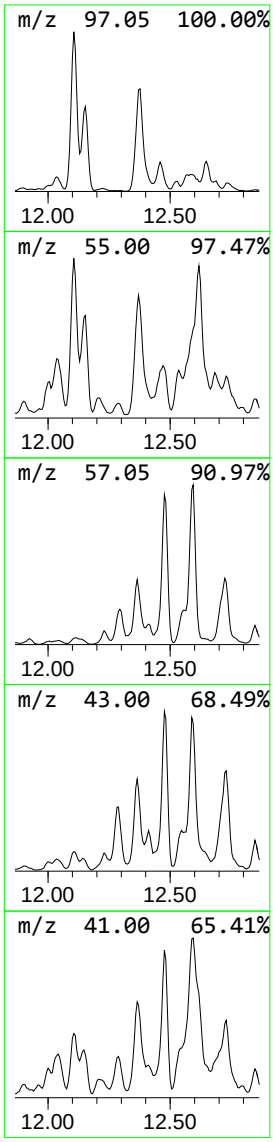
Peak Number 8 unknown12.365 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	80.82 ug/l	1574920	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	41
2	4-Ethyl-2-hydroxycyclopent-2-en-...	126	C7H10O2	028017-62-1	38
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	38
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	38





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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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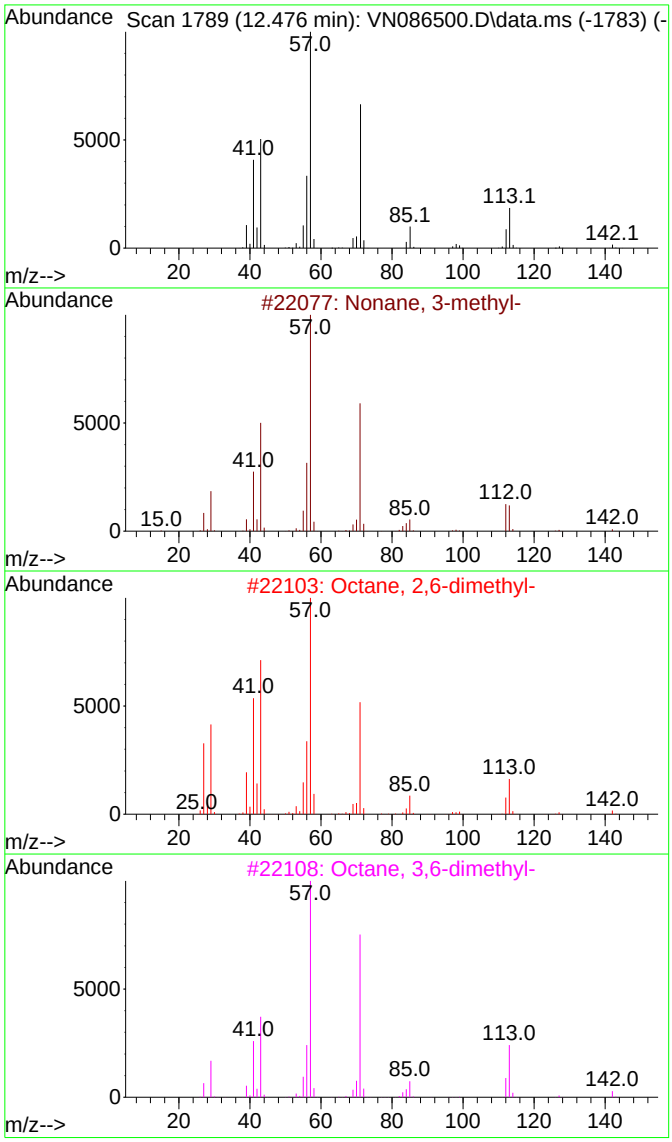
Quant Title : SW846 8260

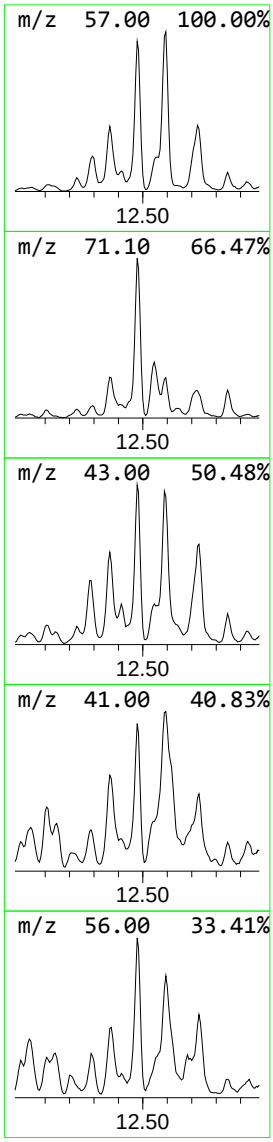
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.477	74.56 ug/l	1452950	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5	Sulfurous acid, 2-ethylhexyl iso...	250	C12H26O3S	1000309-18-7	43





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ClientSampleId :
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Quant Title : SW846 8260

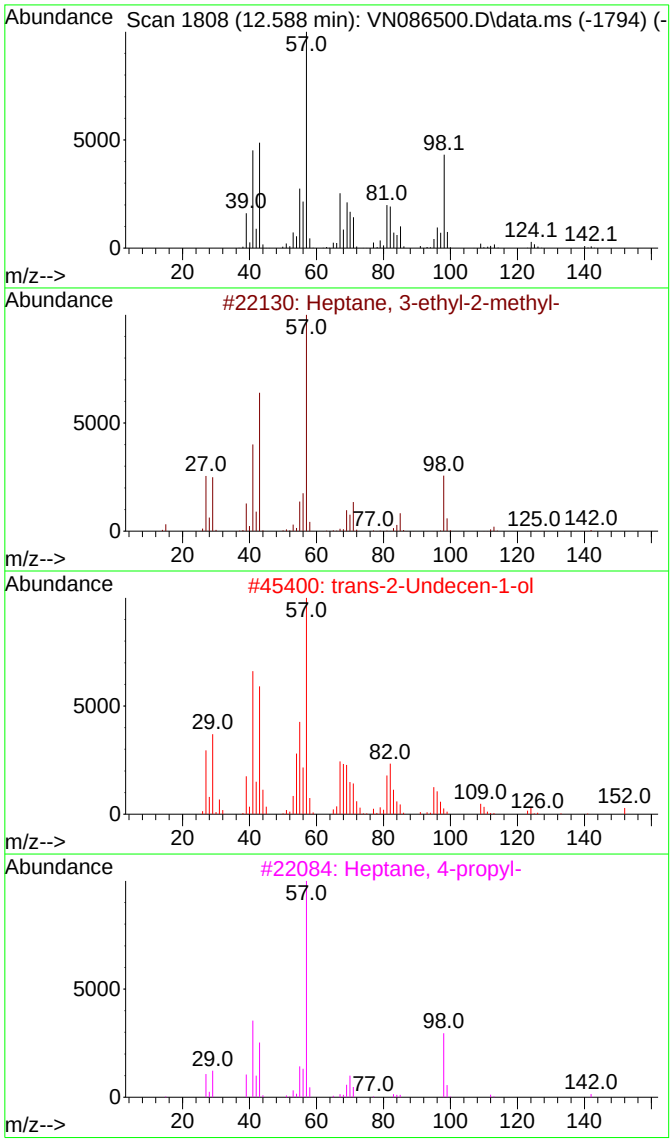
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

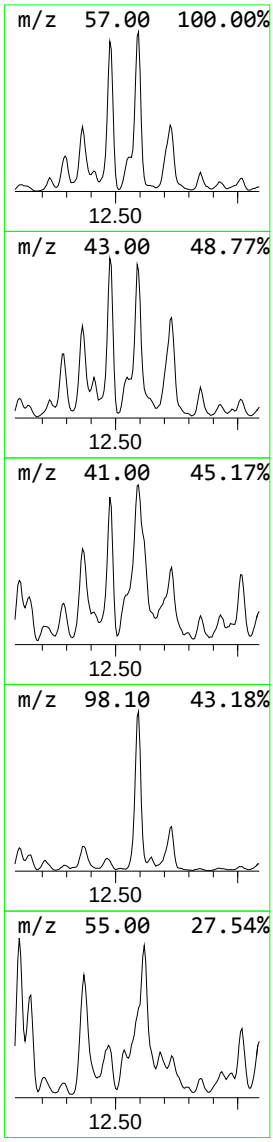
****

Peak Number 10 unknown12.588 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	220.18 ug/l	4290820	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	49
2	trans-2-Undecen-1-ol	170	C11H22O	075039-84-8	38
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	38
4	2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	38
5	2-Nonen-1-ol	142	C9H18O	022104-79-6	38





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ClientSampleId :
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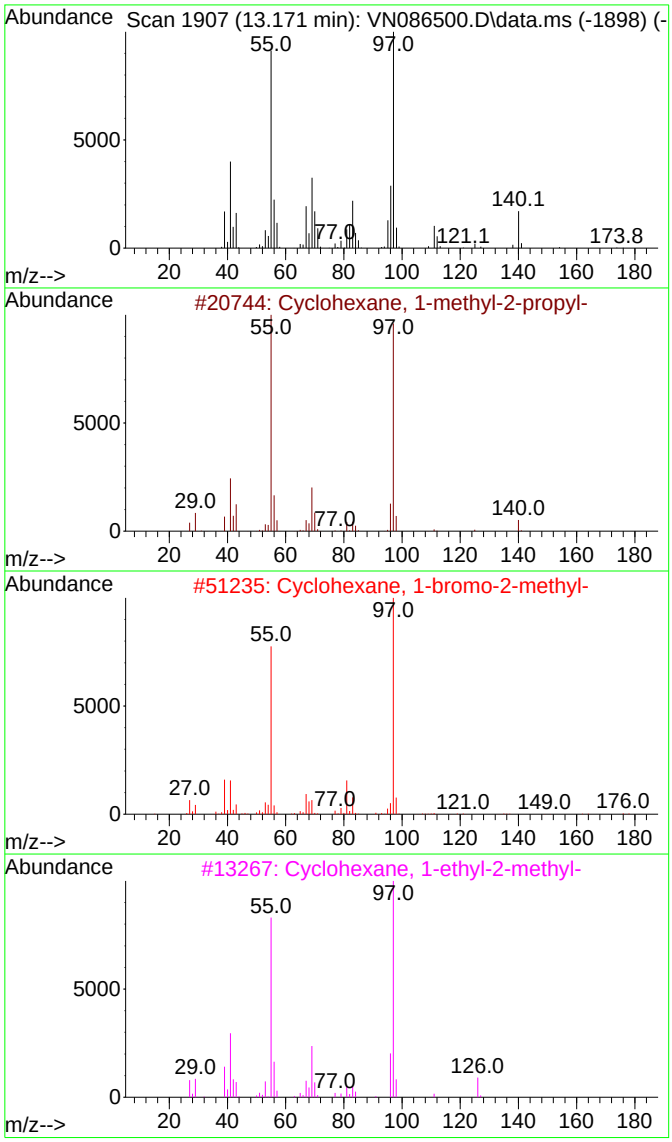
Quant Title : SW846 8260

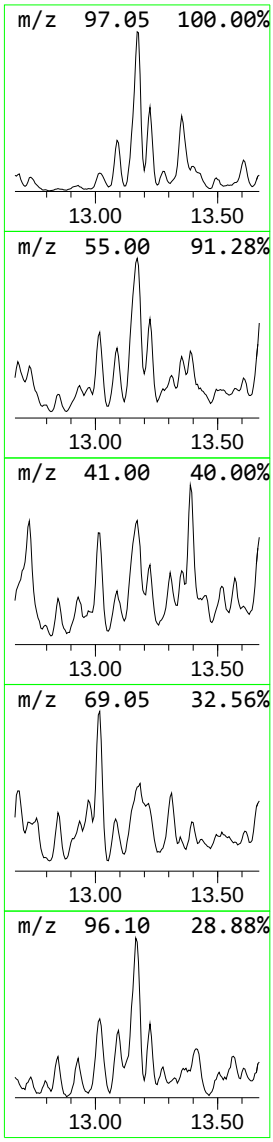
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexane, 1-methyl-2-pro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.171	56.94 ug/l	1320880	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53
2	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	53
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49





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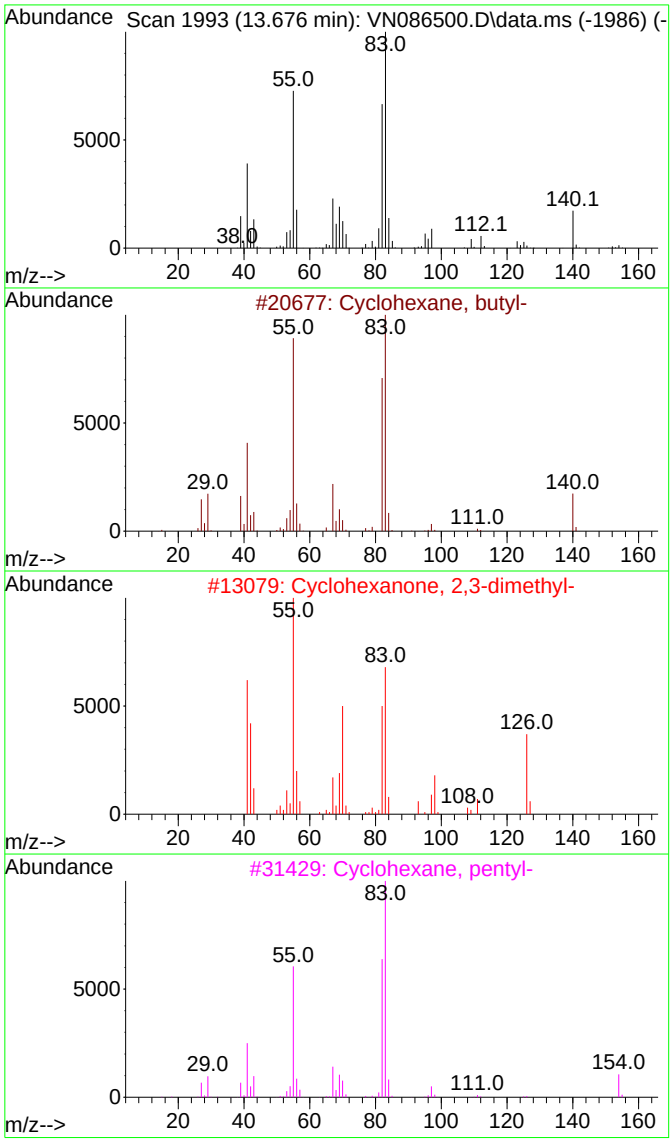
Quant Title : SW846 8260

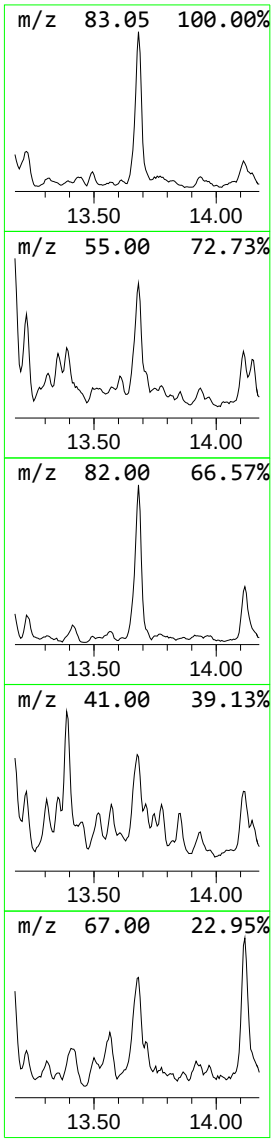
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclohexane, butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	36.59 ug/l	848835	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	74
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





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ClientSampleId :
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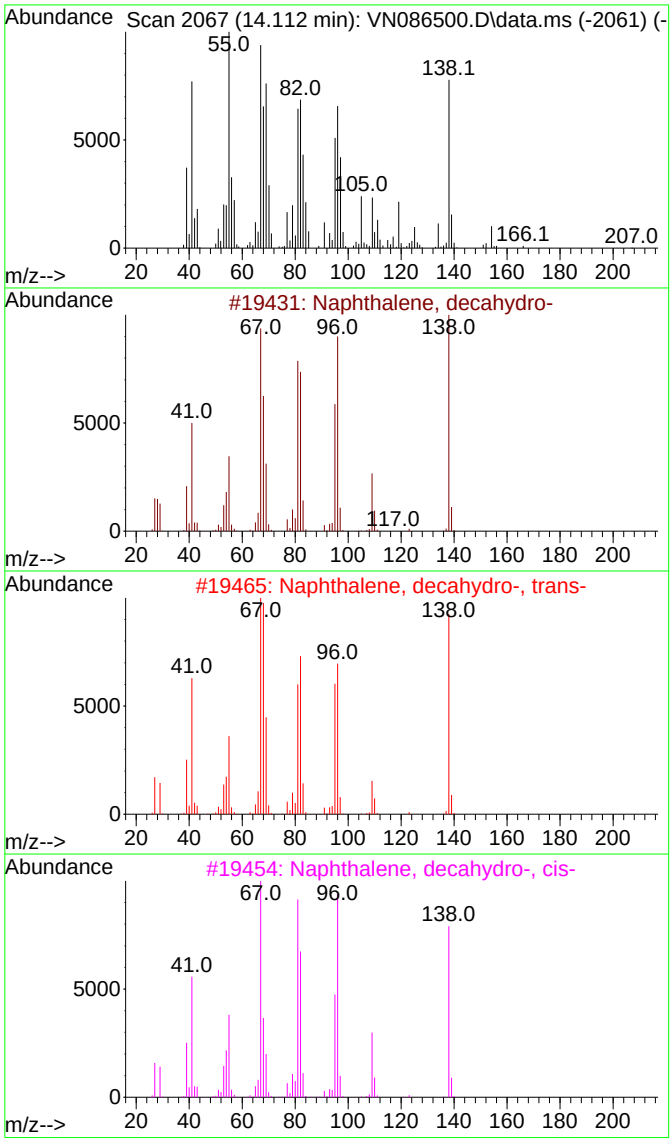
Quant Title : SW846 8260

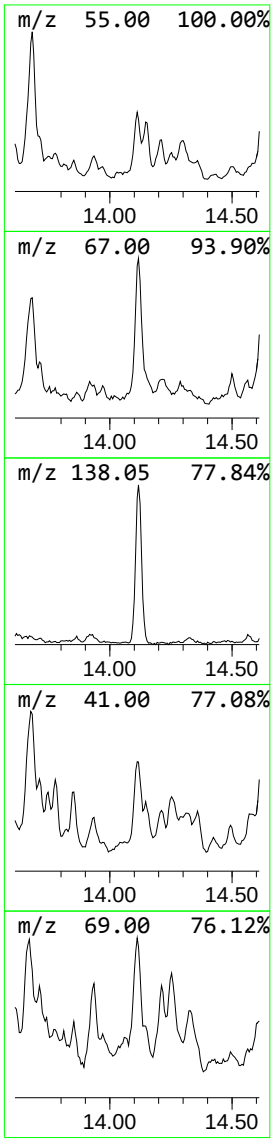
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, decahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.112	33.11 ug/l	768187	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4	Spiro[4.5]decane	138	C10H18	000176-63-6	87
5	(Z)-Dec-4-enyl isobutyl carbonate	256	C15H28O3	1000372-79-2	52





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Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

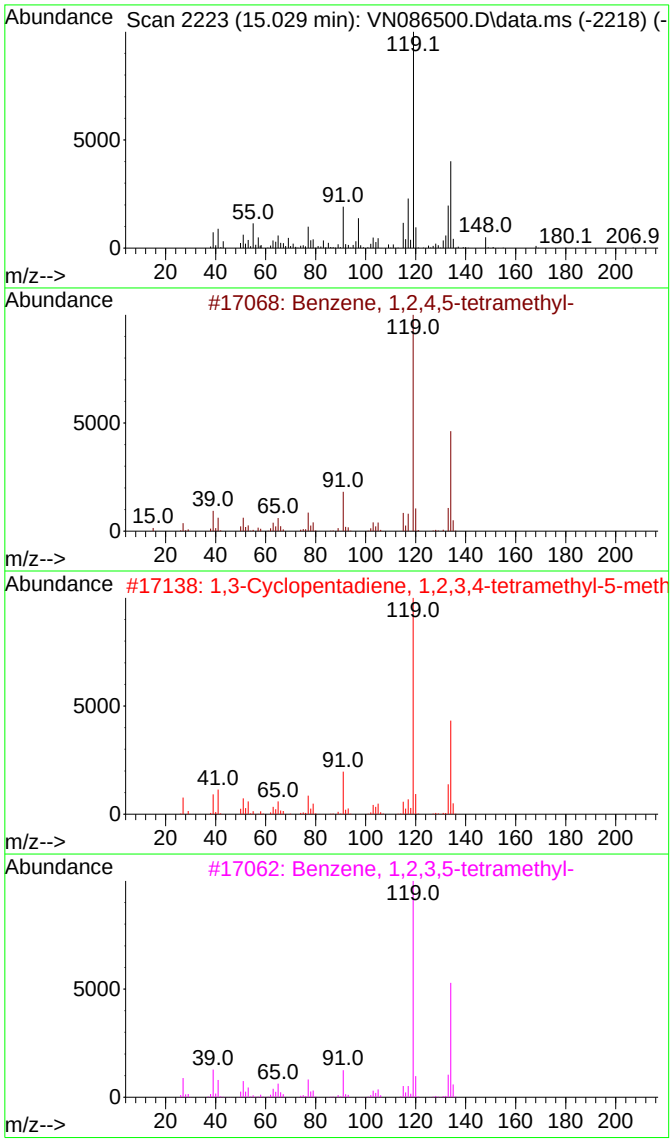
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

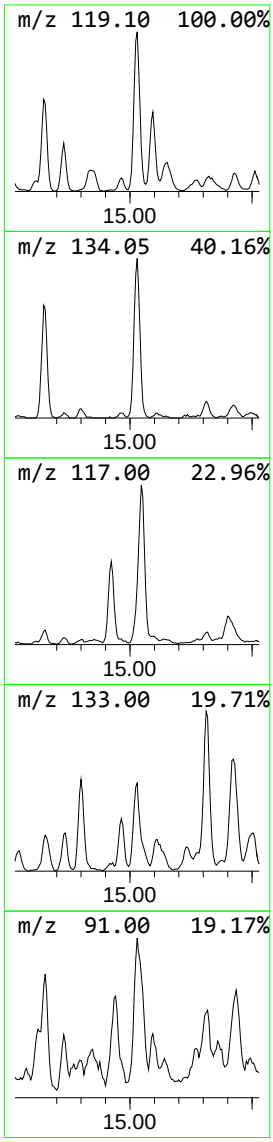
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.029	35.35 ug/l	820126	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

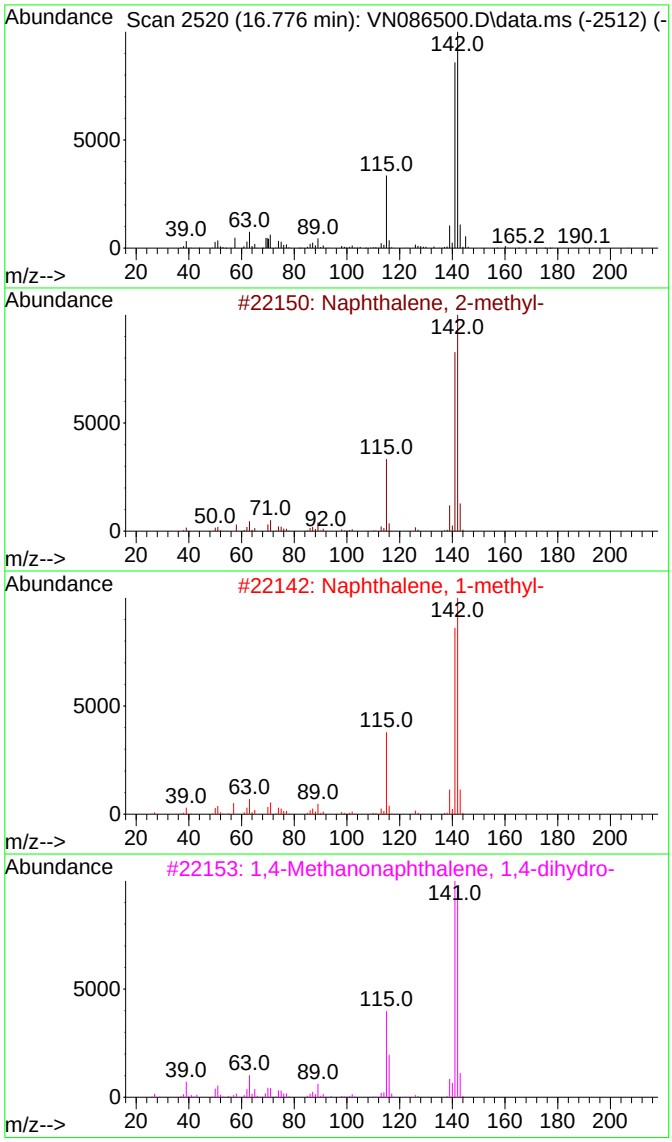
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

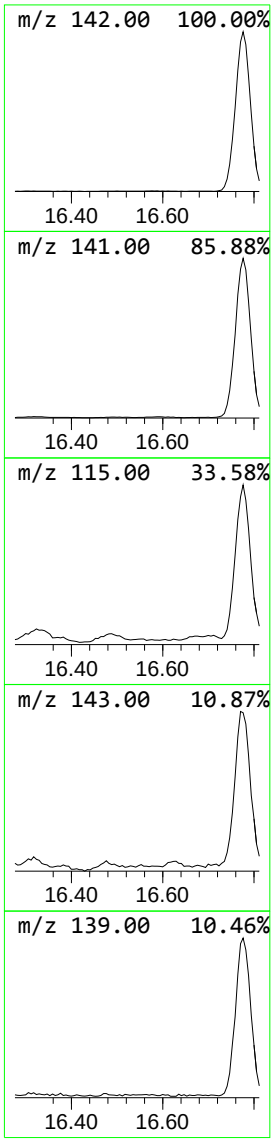
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,4-Methanonaphthalene, 1,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	54.80 ug/l	1271280	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane, 2,6-di...	11.171	41.0	ug/l	798037	3	11.865	974370	50.0
Heptane, 2,5-di...	11.271	35.9	ug/l	698649	3	11.865	974370	50.0
Cyclohexane, et...	11.418	32.7	ug/l	637943	3	11.865	974370	50.0
Cyclohexane, 1,...	11.471	67.9	ug/l	1323090	3	11.865	974370	50.0
Hexane, 3-ethyl-	11.571	37.7	ug/l	735435	3	11.865	974370	50.0
1-Ethyl-4-methy...	12.106	48.3	ug/l	941675	3	11.865	974370	50.0
4-Octen-3-one	12.147	31.8	ug/l	619984	3	11.865	974370	50.0
unknown12.365	12.365	80.8	ug/l	1574920	3	11.865	974370	50.0
Nonane, 3-methyl-	12.477	74.6	ug/l	1452950	3	11.865	974370	50.0
unknown12.588	12.588	220.2	ug/l	4290820	3	11.865	974370	50.0
Cyclohexane, 1-...	13.171	56.9	ug/l	1320880	4	13.788	1159910	50.0
Cyclohexane, bu...	13.676	36.6	ug/l	848835	4	13.788	1159910	50.0
Naphthalene, de...	14.112	33.1	ug/l	768187	4	13.788	1159910	50.0
Benzene, 1,2,4,...	15.029	35.4	ug/l	820126	4	13.788	1159910	50.0
1,4-Methanonaph...	16.776	54.8	ug/l	1271280	4	13.788	1159910	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Time: May 06 01:43:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

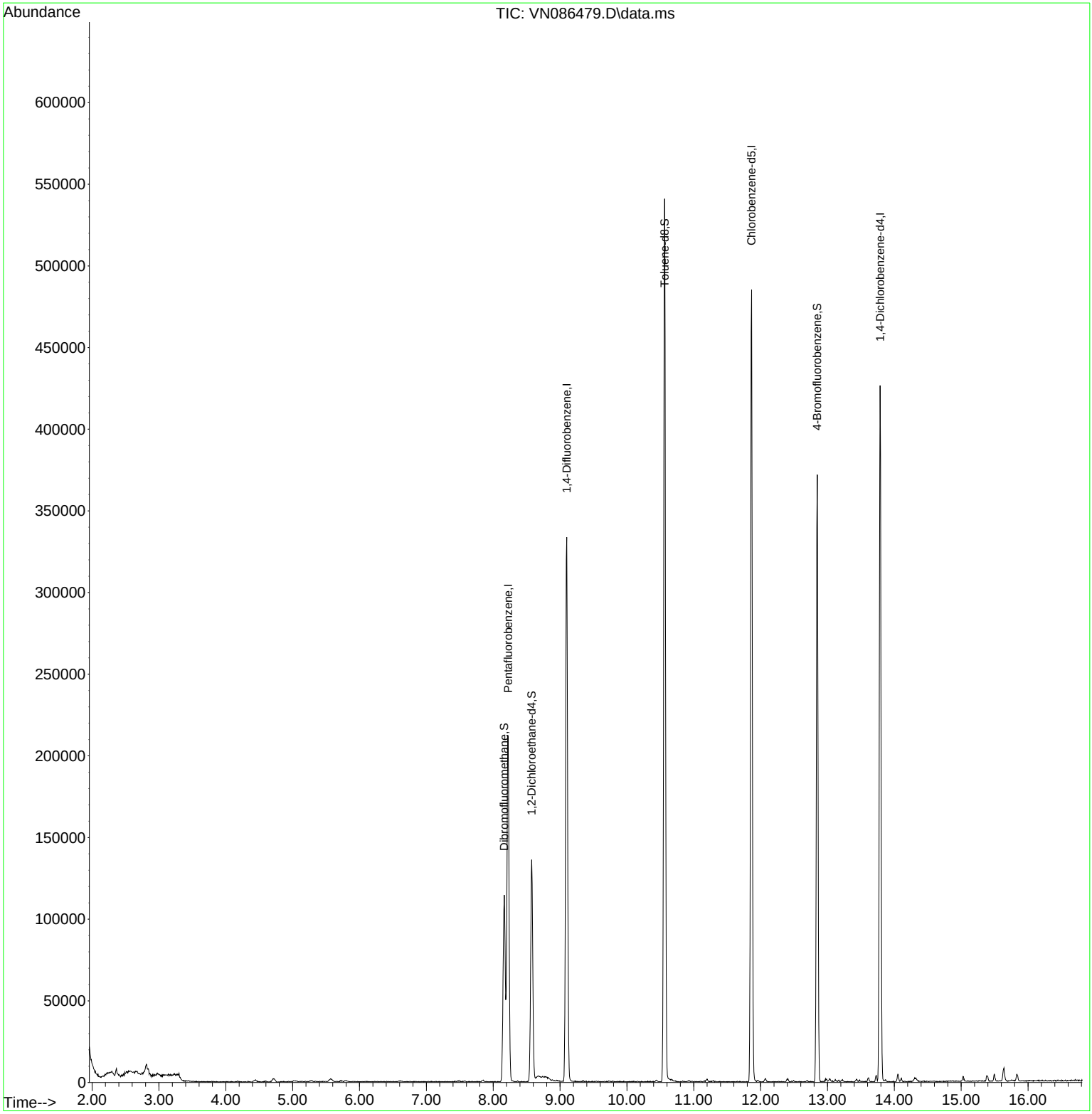
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110140	48.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.780%			
35) Dibromofluoromethane	8.165	113	83915	60.507	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.020%			
50) Toluene-d8	10.565	98	378837	51.111	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.847	95	131288	48.562	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.120%			
Target Compounds						Qvalue

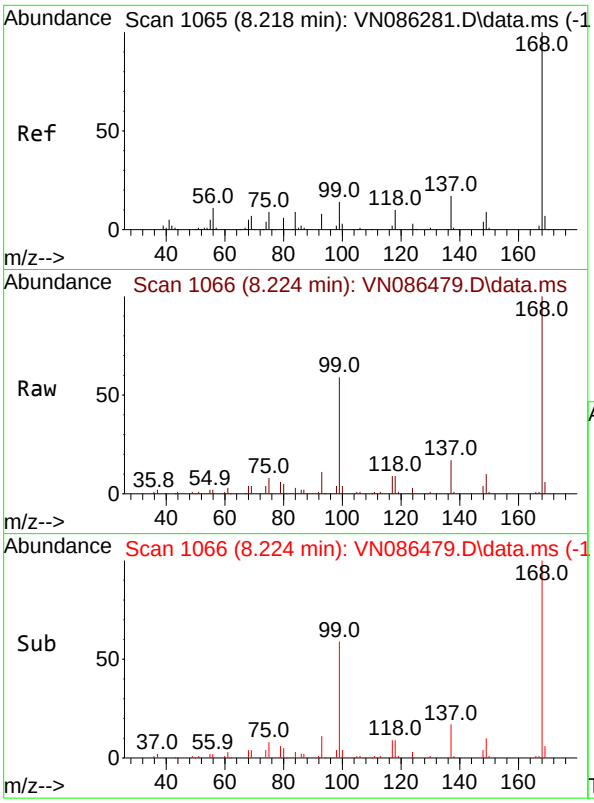
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Time: May 06 01:43:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



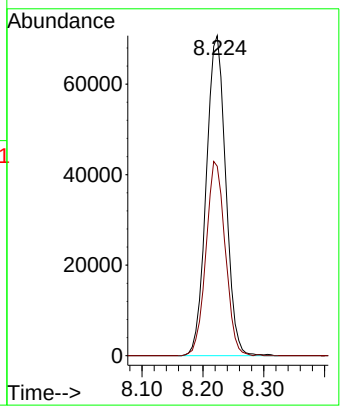


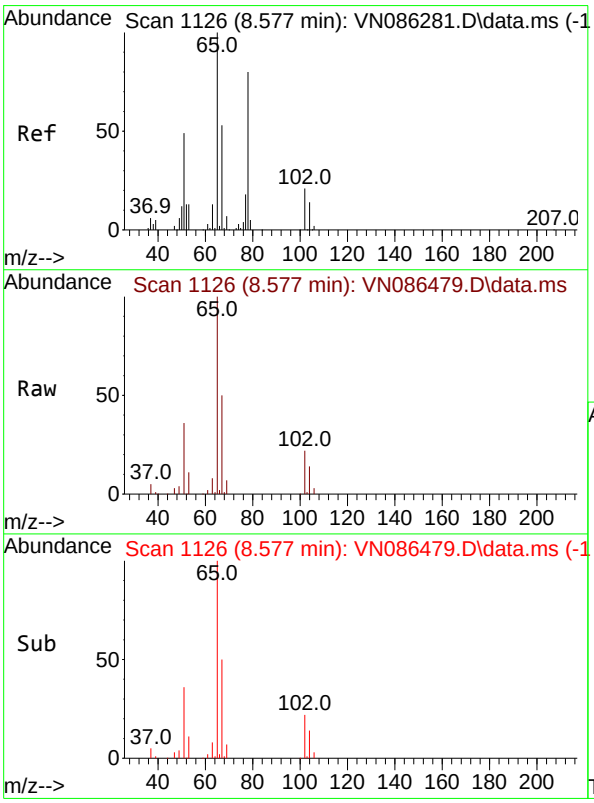
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:168 Resp: 156968

Ion	Ratio	Lower	Upper
168	100		
99	59.2	52.5	78.7

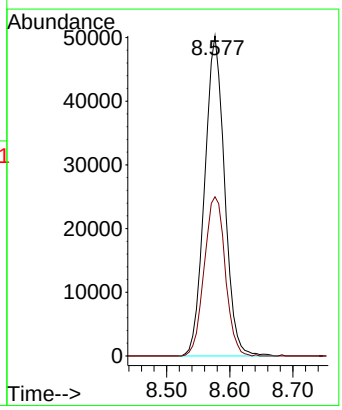


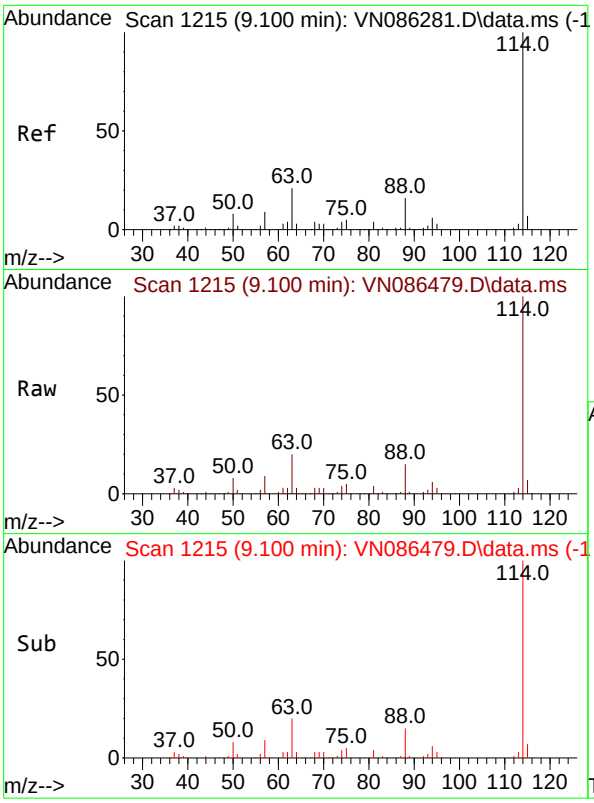


#33
1,2-Dichloroethane-d4
Concen: 48.388 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion: 65 Resp: 110140

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



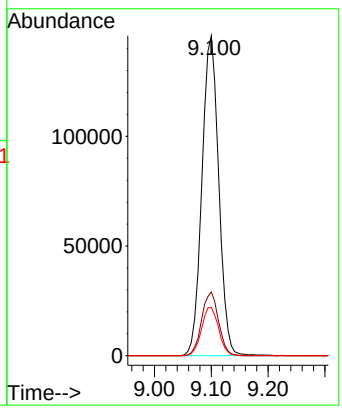


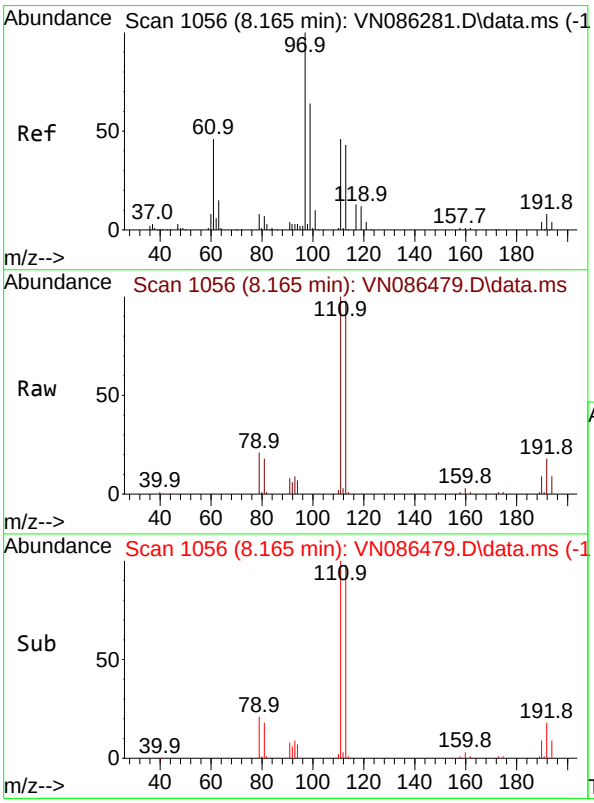
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:114 Resp: 298822

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.6
88	15.1	0.0	31.8

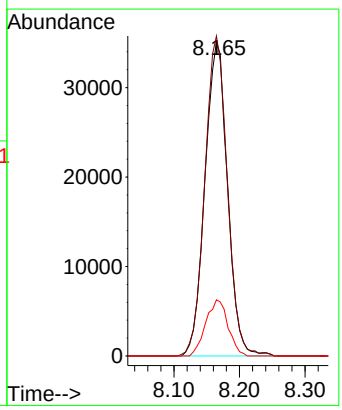


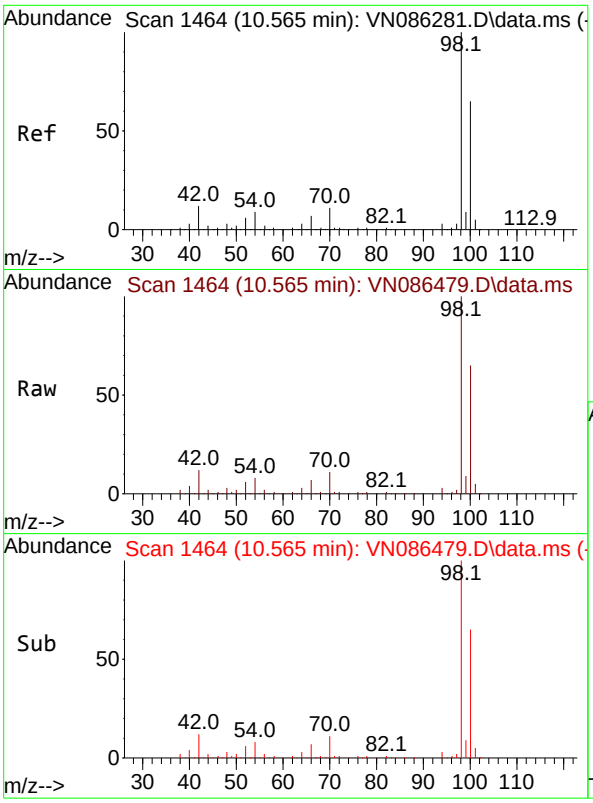


#35
Dibromofluoromethane
Concen: 60.507 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion:113 Resp: 83915

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.4	125.0
192	17.6	13.7	20.5



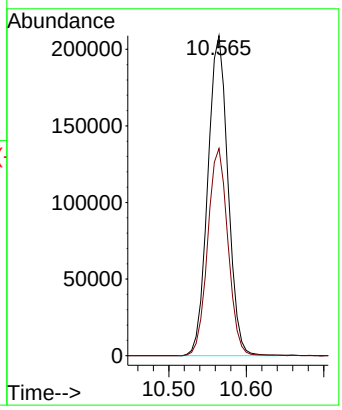


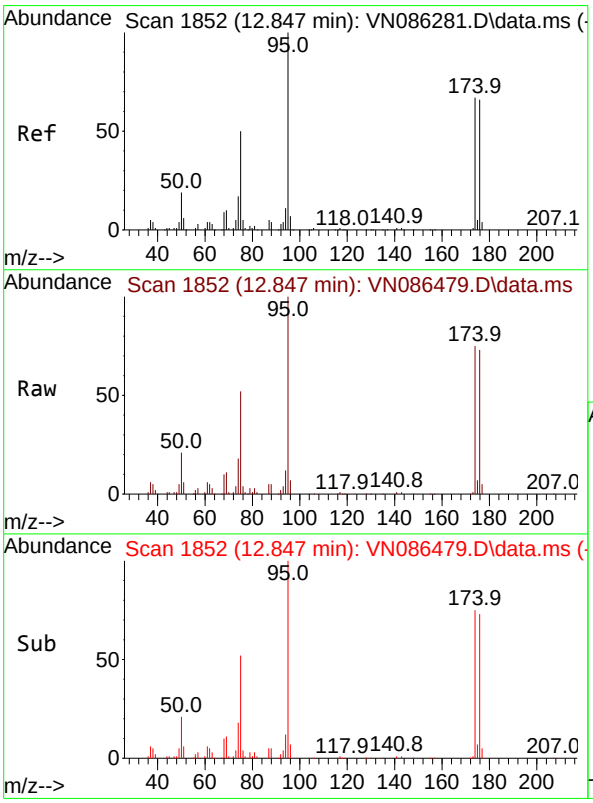
#50
Toluene-d8
Concen: 51.111 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion: 98 Resp: 378837

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7

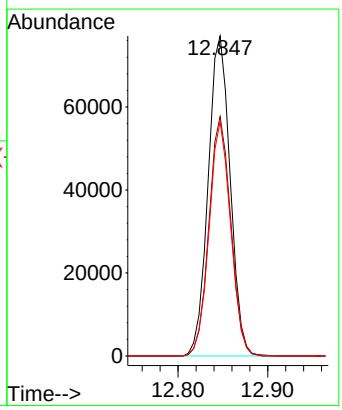


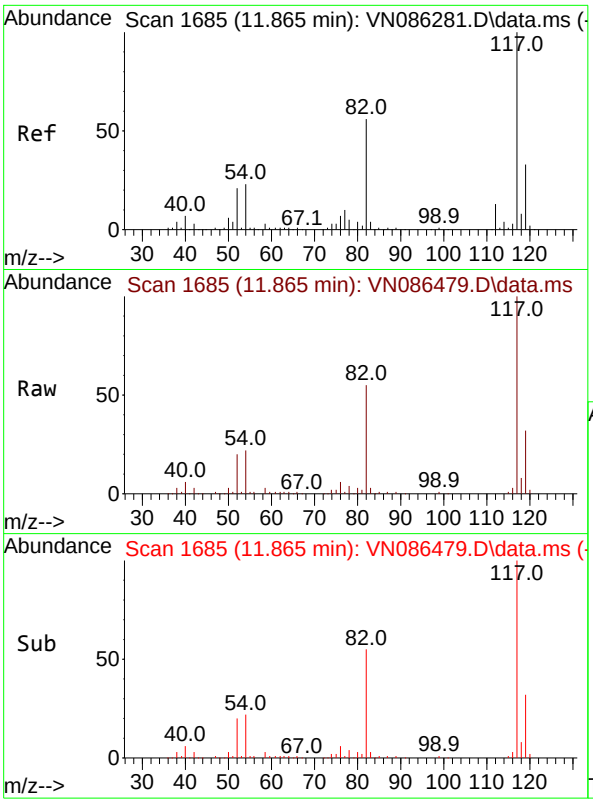


#62
4-Bromofluorobenzene
Concen: 48.562 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion: 95 Resp: 131288

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	133.4
176	71.7	0.0	129.2



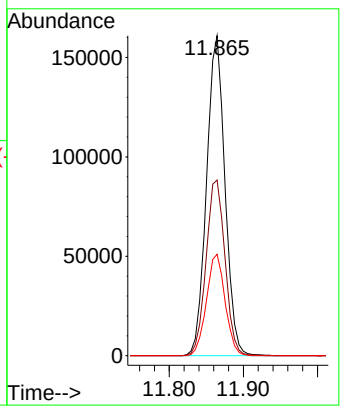


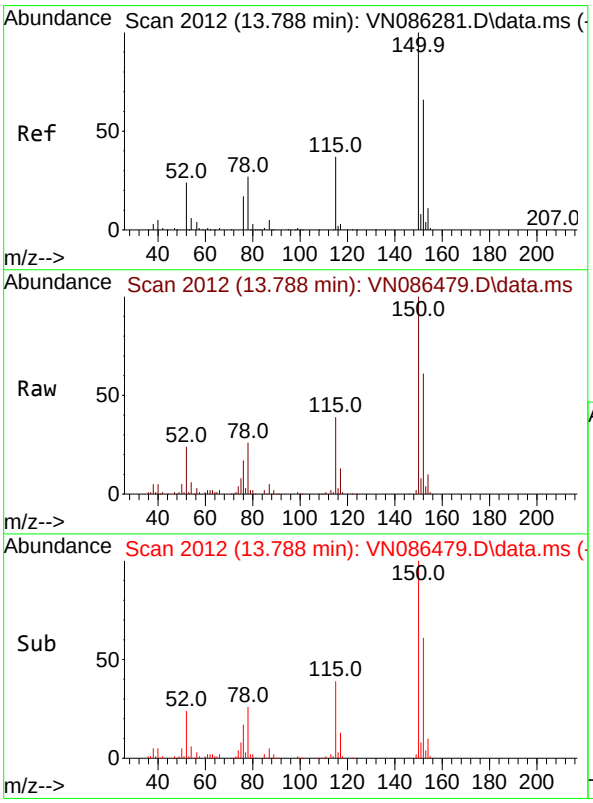
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:117 Resp: 277824

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.7	67.1
119	31.7	26.4	39.6

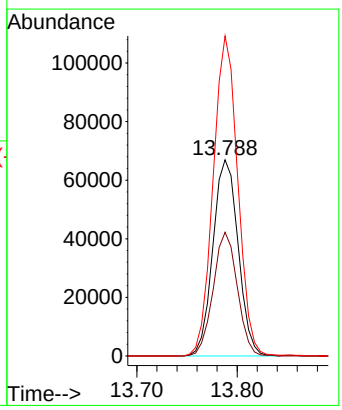




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion:152 Resp: 117072

Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.9	95.9
150	159.0	0.0	352.0



Sample Results: **VN086479.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086479.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1045	1056	1060	rBV	114316	261128	26.38%	5.306%
2	8.218	1060	1065	1076	rVB	211808	469907	47.47%	9.548%
3	8.577	1116	1126	1136	rBV	135903	303241	30.63%	6.161%
4	9.100	1206	1215	1228	rBV	333244	680955	68.79%	13.836%
5	10.565	1456	1464	1479	rBV	540690	989964	100.00%	20.114%
6	11.865	1677	1685	1698	rBV	484864	851861	86.05%	17.308%
7	12.847	1844	1852	1860	rVB	371645	622553	62.89%	12.649%
8	13.788	2005	2012	2021	rVV	425917	727382	73.48%	14.779%
9	15.641	2320	2327	2334	rVB	8019	14721	1.49%	0.299%

Sum of corrected areas: 4921712

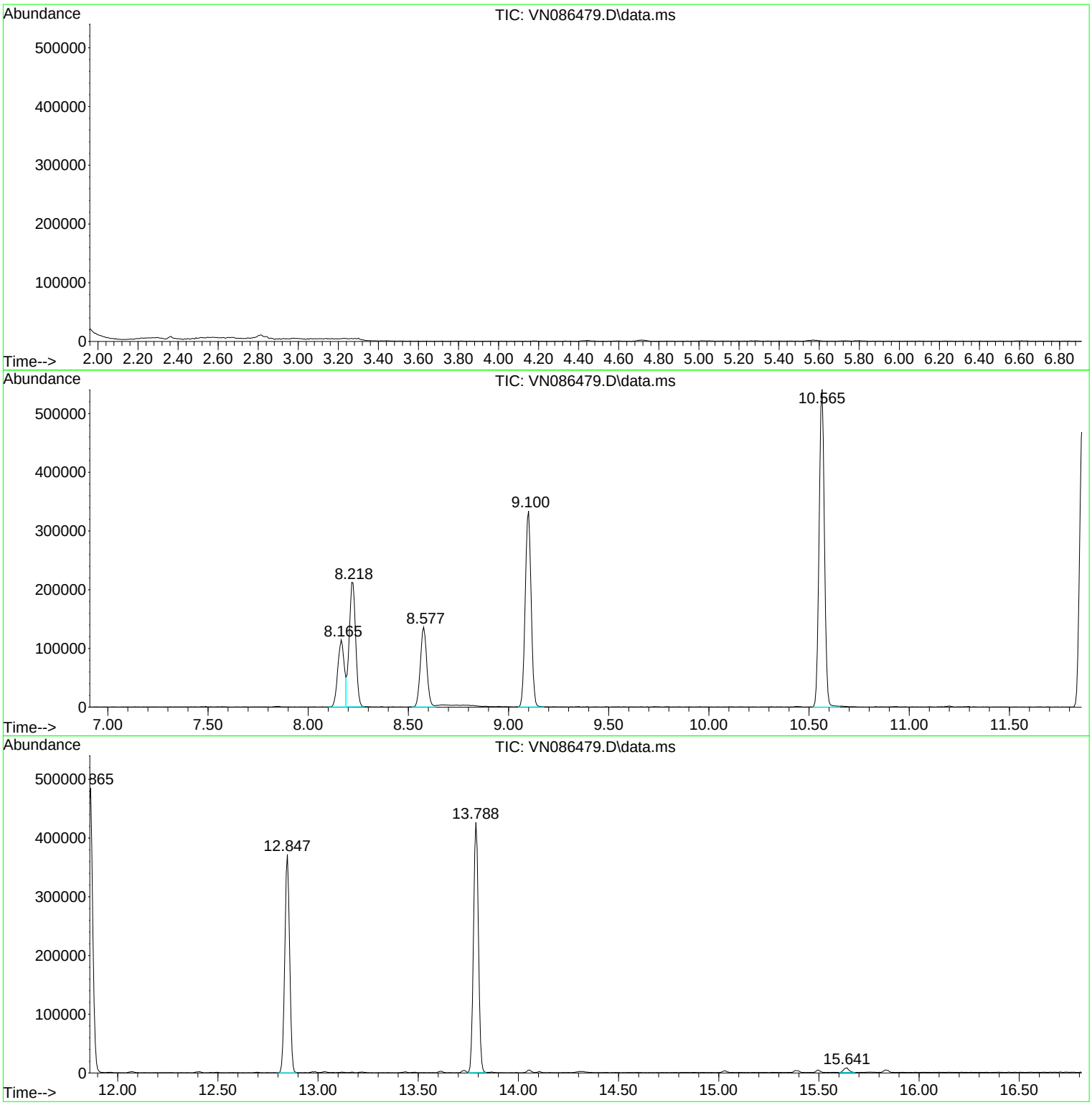
Sample Results: **VN086479.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Time: May 07 02:53:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	194854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	360705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132474	46.884	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.760%			
35) Dibromofluoromethane	8.165	113	101375	60.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.120%			
50) Toluene-d8	10.565	98	453908	50.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.847	95	158981	48.717	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.440%			

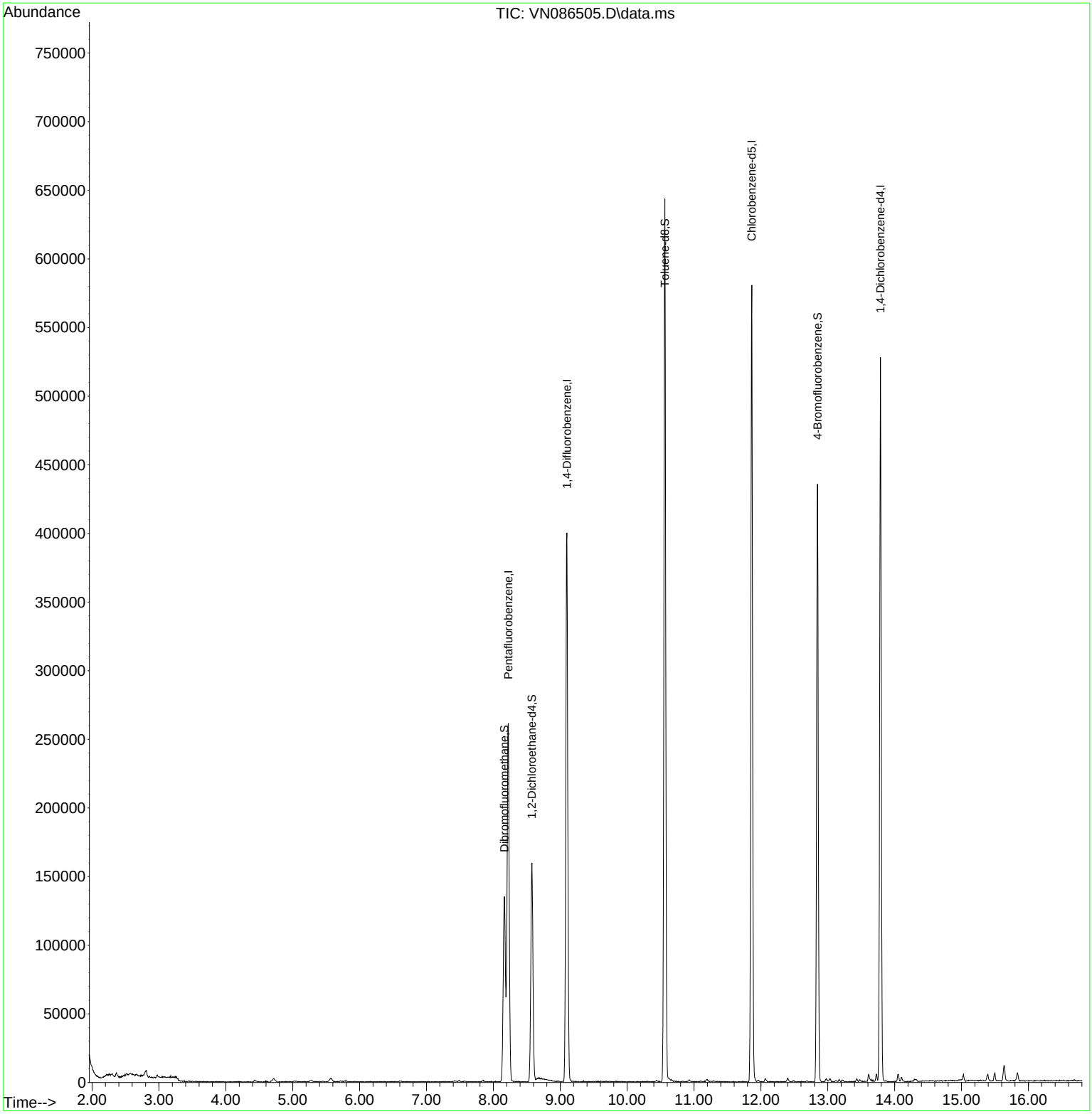
Target Compounds Qvalue

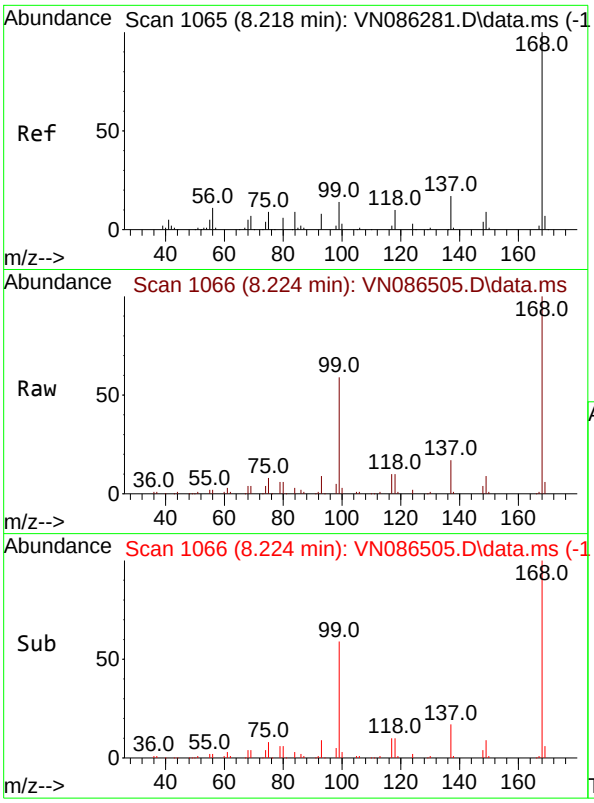
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Time: May 07 02:53:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



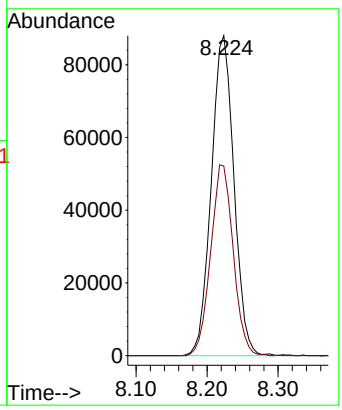


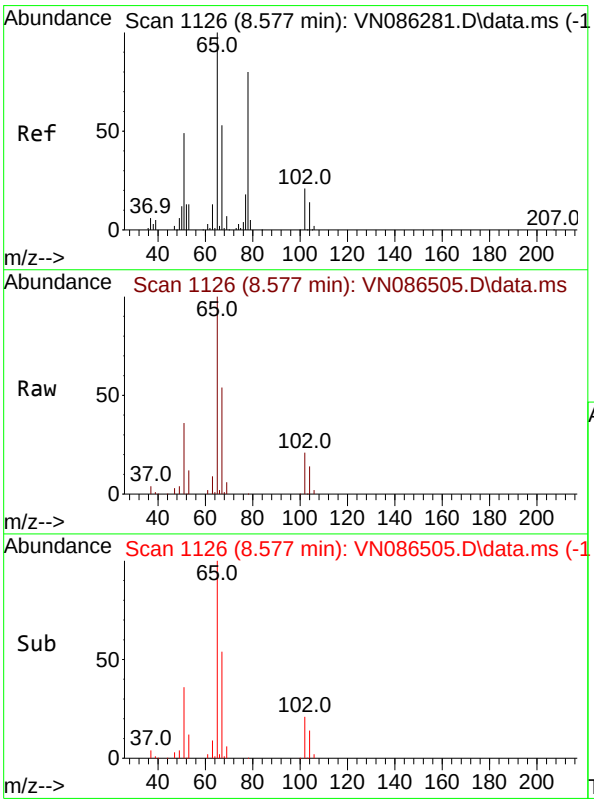
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:168 Resp: 194854

Ion	Ratio	Lower	Upper
168	100		
99	59.3	52.5	78.7

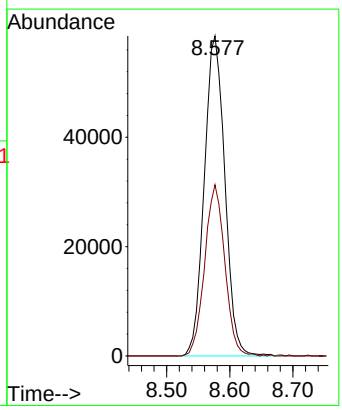


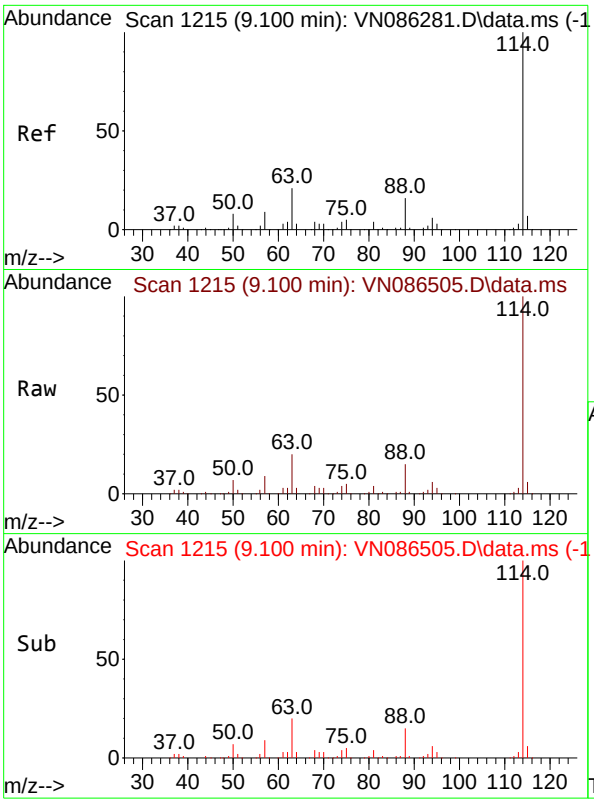


#33
1,2-Dichloroethane-d4
Concen: 46.884 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion: 65 Resp: 132474

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.0



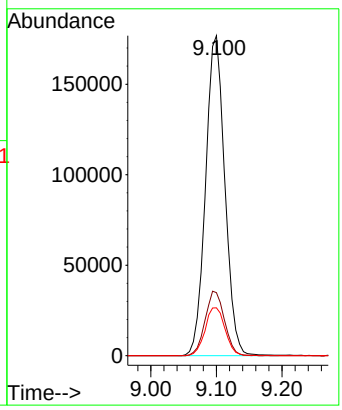


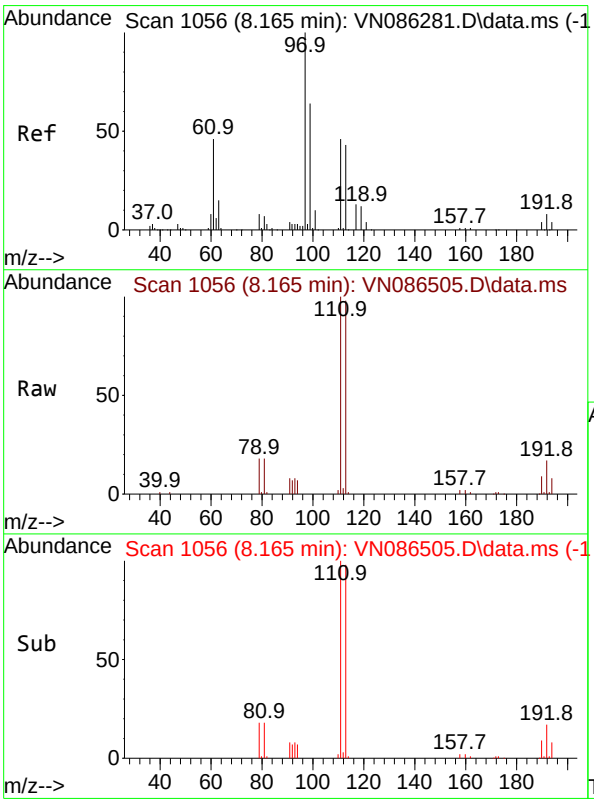
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:114 Resp: 360705

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	14.9	0.0	31.8

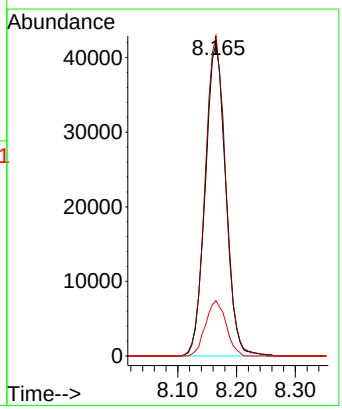


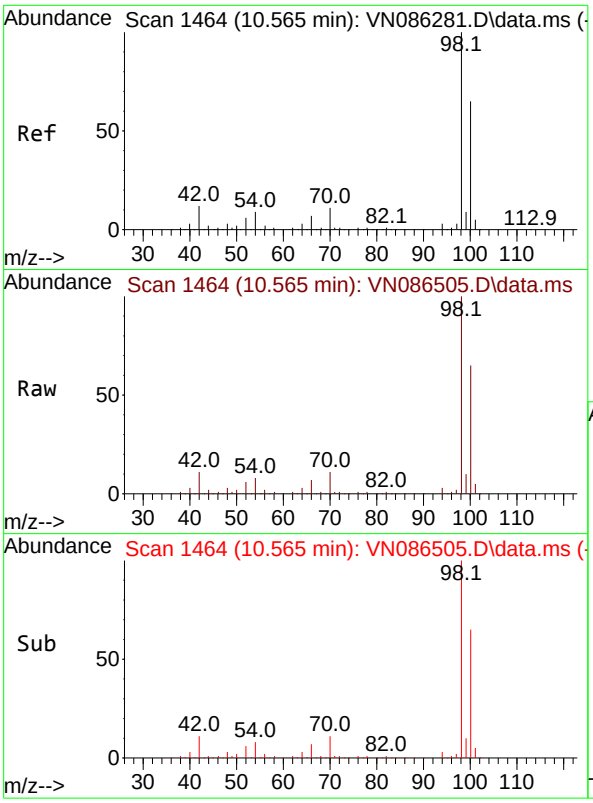


#35
Dibromofluoromethane
Concen: 60.556 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion:113 Resp: 101375

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.4	125.0
192	17.8	13.7	20.5



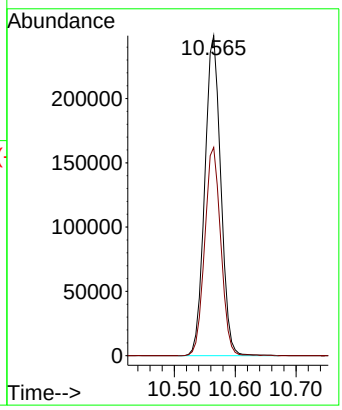


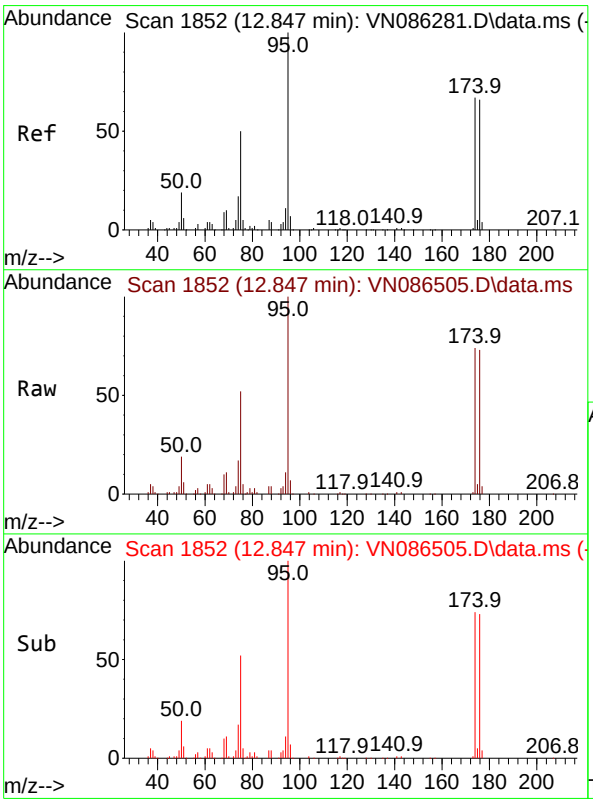
#50
Toluene-d8
Concen: 50.733 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion: 98 Resp: 453908

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7

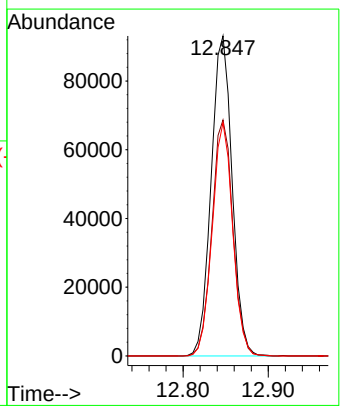


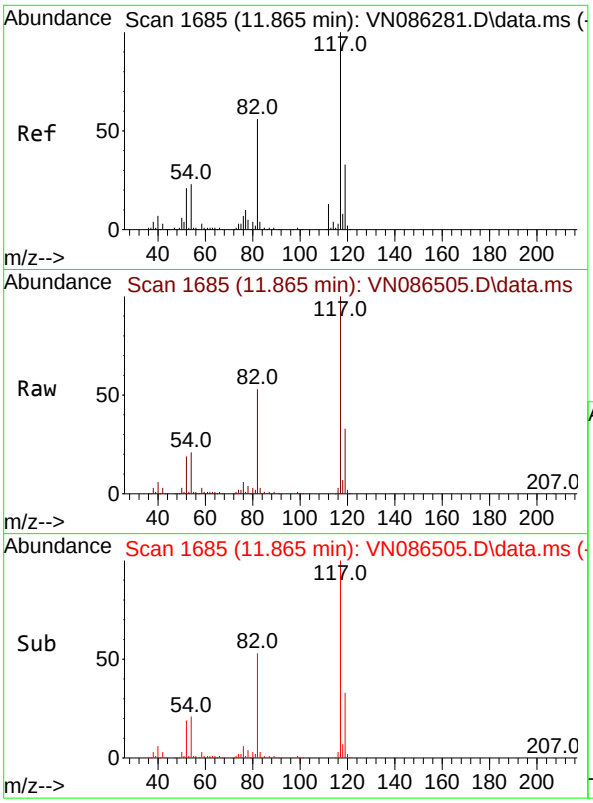


#62
4-Bromofluorobenzene
Concen: 48.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion: 95 Resp: 158981

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	133.4
176	71.1	0.0	129.2



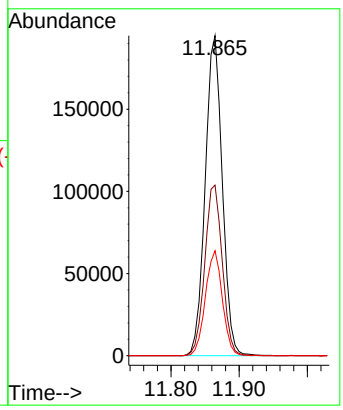


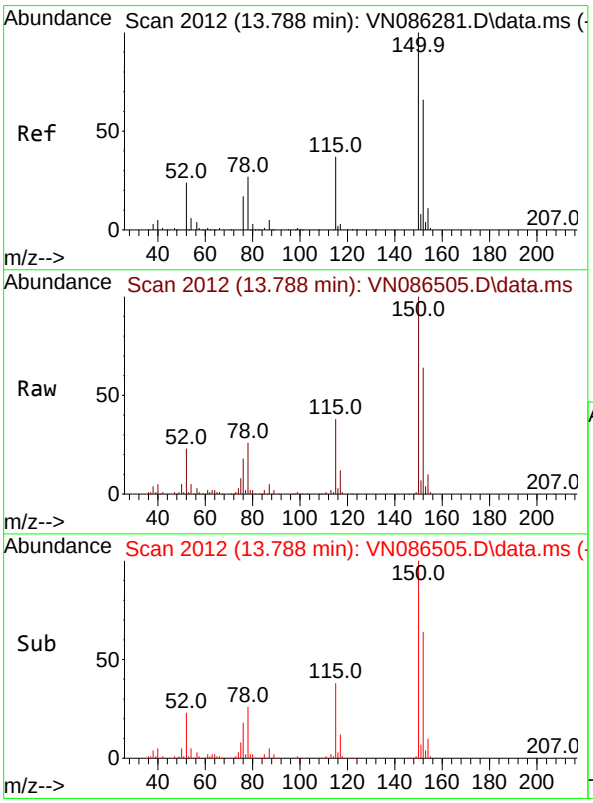
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:117 Resp: 339328

Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.7	67.1
119	32.8	26.4	39.6

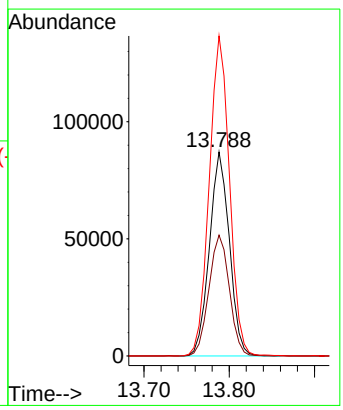




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion:152 Resp: 141530

Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.9	95.9
150	159.0	0.0	352.0



Sample Results: **VN086505.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086505.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	134957	316199	26.80%	5.357%
2	8.224	1060	1066	1075	rVB	260623	577799	48.98%	9.789%
3	8.577	1116	1126	1135	rBV	159575	357947	30.34%	6.064%
4	9.100	1205	1215	1227	rBV	399919	815470	69.12%	13.815%
5	10.565	1452	1464	1479	rBV	643372	1179719	100.00%	19.986%
6	11.865	1677	1685	1697	rBV	580629	1023125	86.73%	17.333%
7	12.847	1844	1852	1862	rVB	435530	742483	62.94%	12.579%
8	13.788	2005	2012	2023	rVB	527403	868228	73.60%	14.709%
9	15.635	2321	2326	2338	rVB	11364	21638	1.83%	0.367%

Sum of corrected areas: 5902608

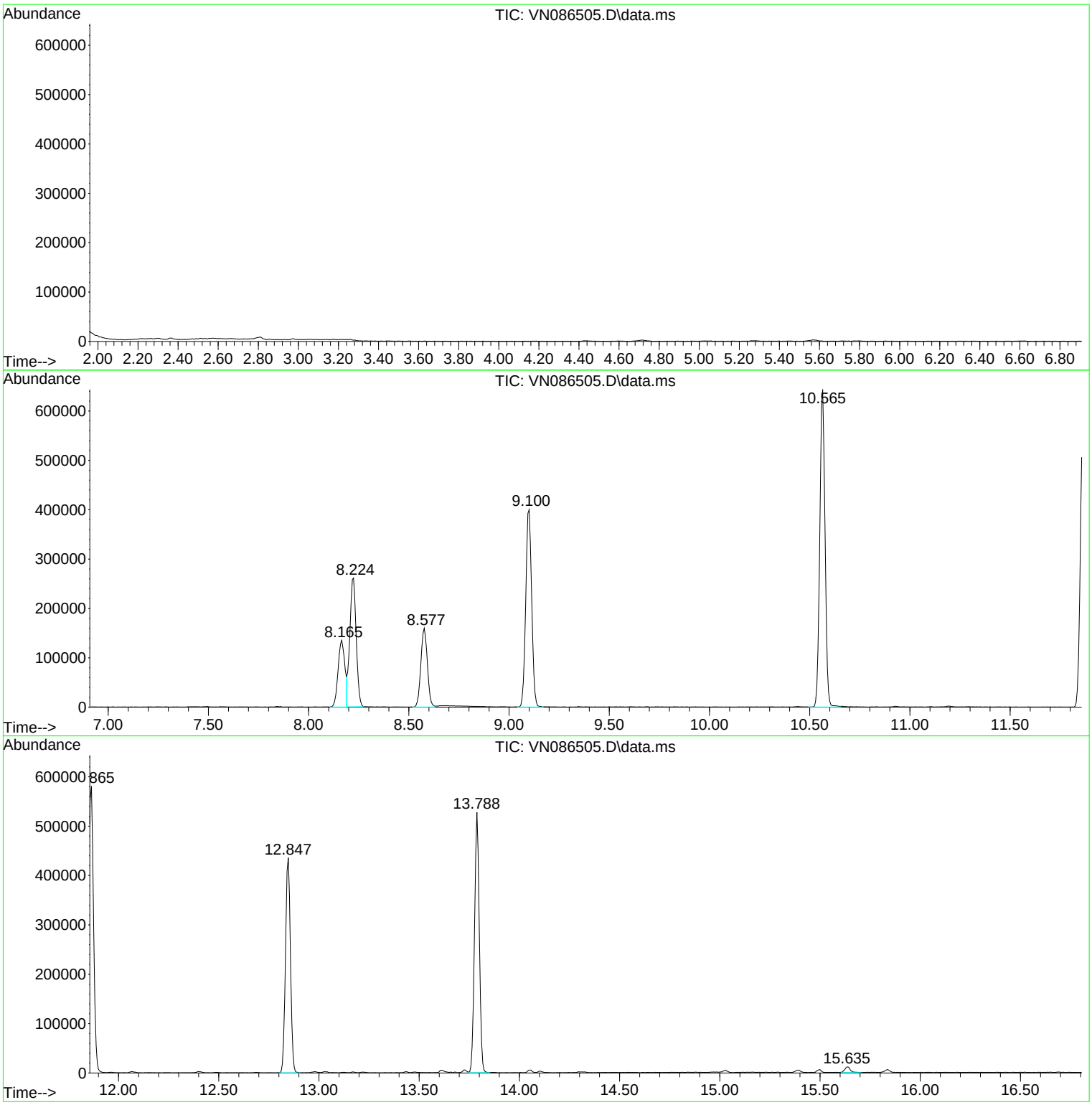
Sample Results: **VN086505.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Time: May 09 23:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	161578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	114071	48.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.380%			
35) Dibromofluoromethane	8.159	113	89742	63.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 126.900%#			
50) Toluene-d8	10.565	98	382413	50.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.847	95	133637	48.469	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.940%			

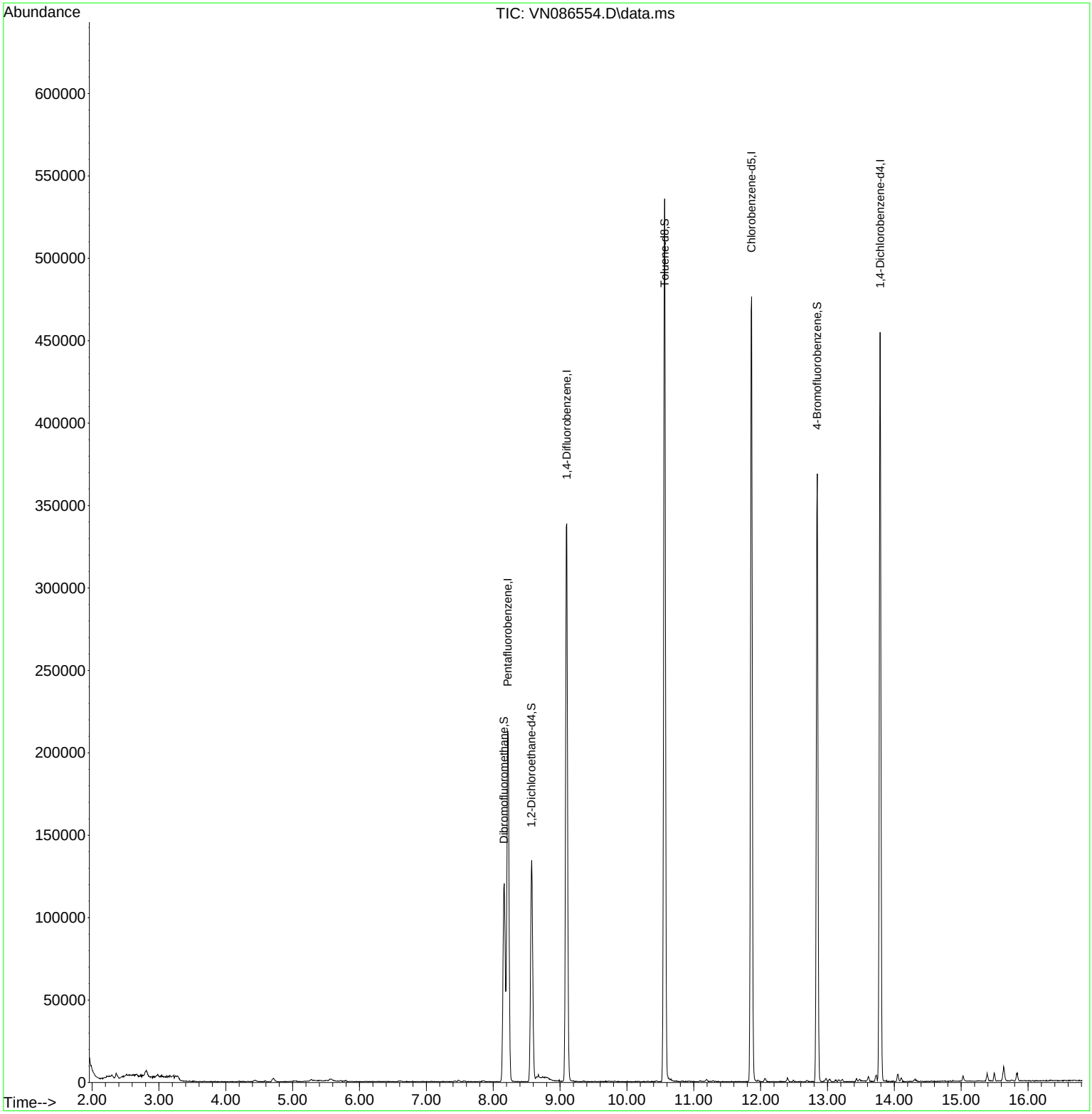
Target Compounds Qvalue

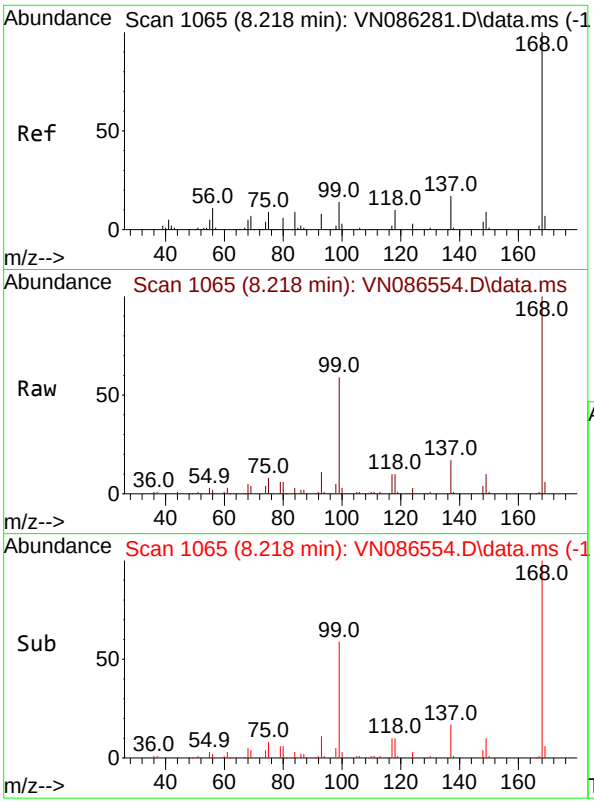
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Time: May 09 23:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



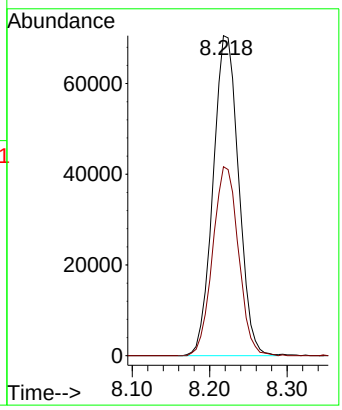


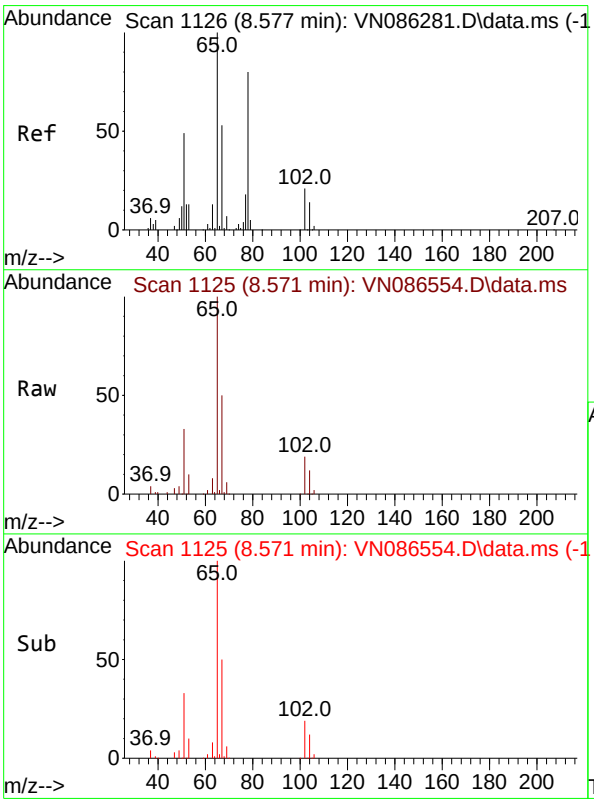
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:168 Resp: 161578

Ion	Ratio	Lower	Upper
168	100		
99	59.1	52.5	78.7

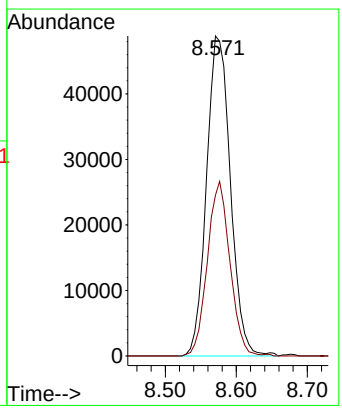


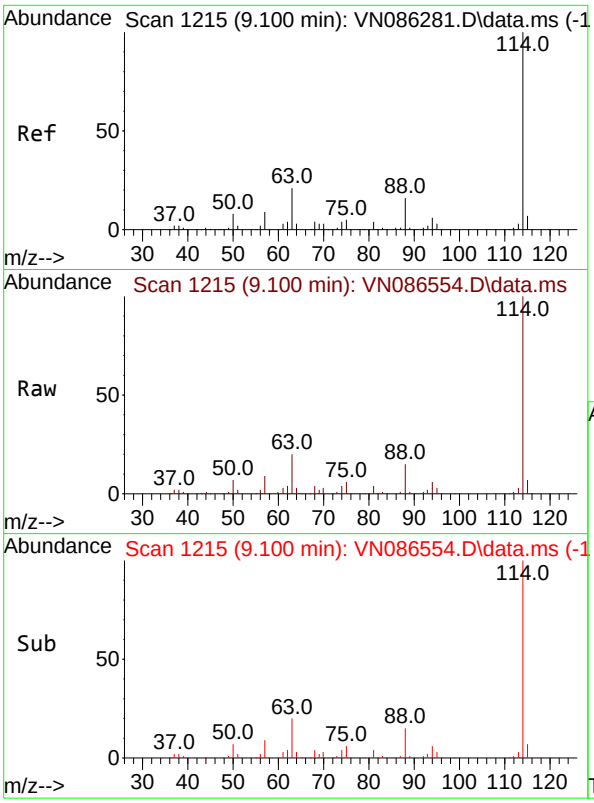


#33
1,2-Dichloroethane-d4
Concen: 48.685 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion: 65 Resp: 114071

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0



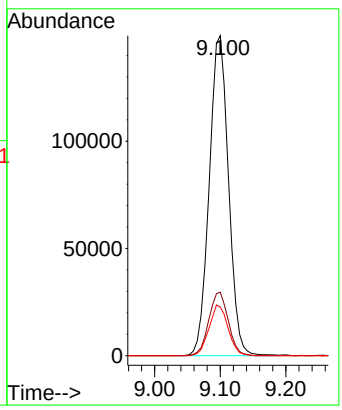


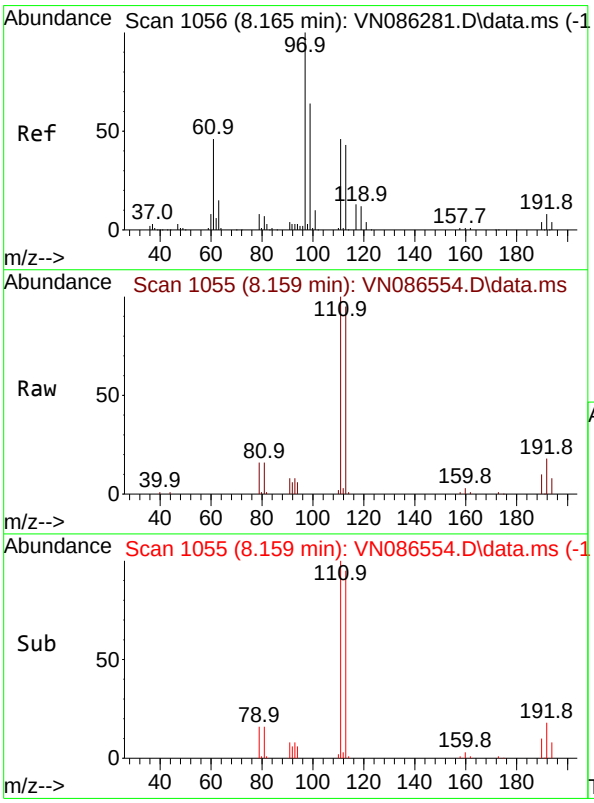
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:114 Resp: 304753

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.6
88	15.2	0.0	31.8

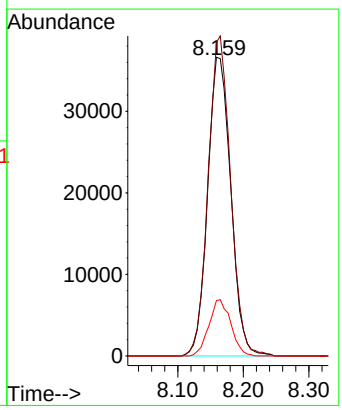


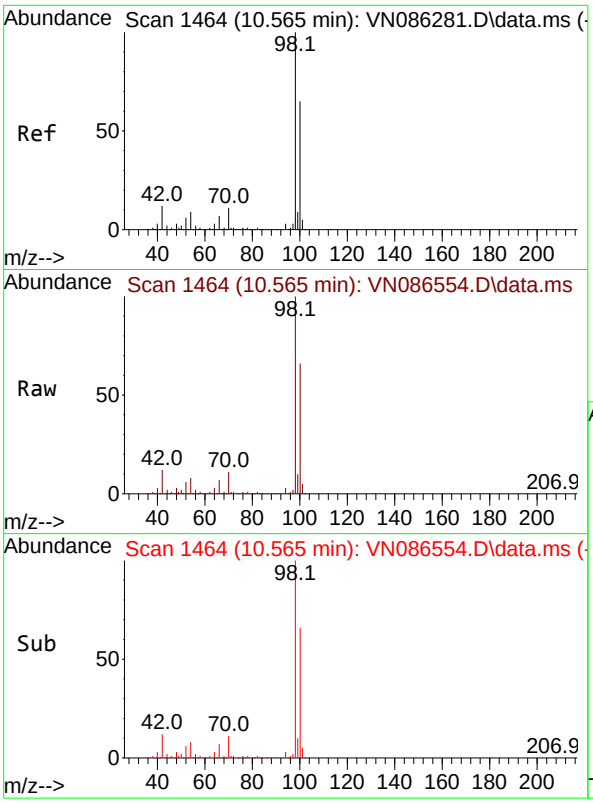


#35
Dibromofluoromethane
Concen: 63.449 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion:113 Resp: 89742

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.0
192	17.8	13.7	20.5



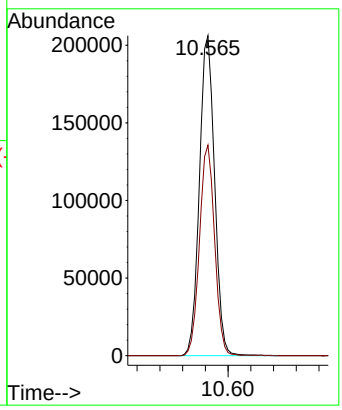


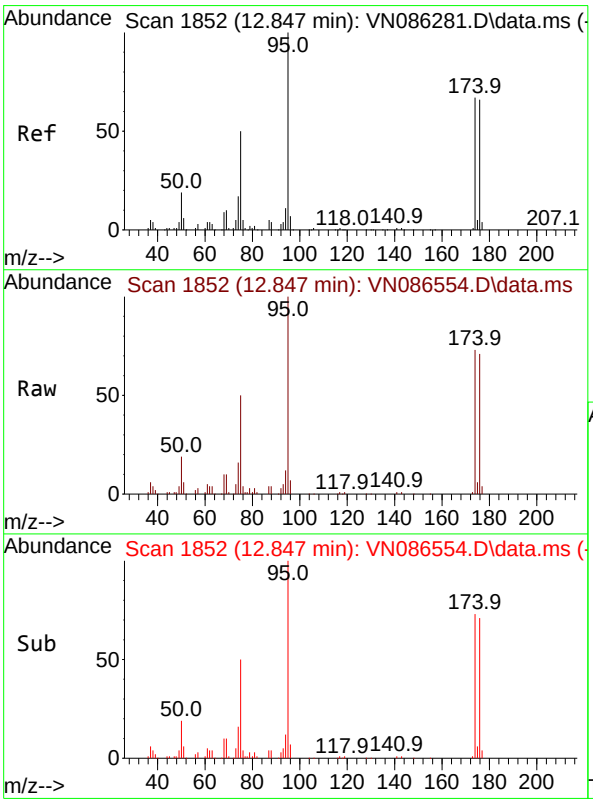
#50
Toluene-d8
Concen: 50.589 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion: 98 Resp: 382413

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

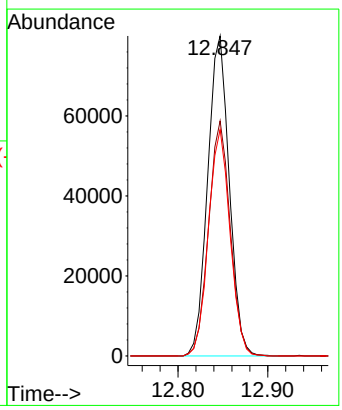


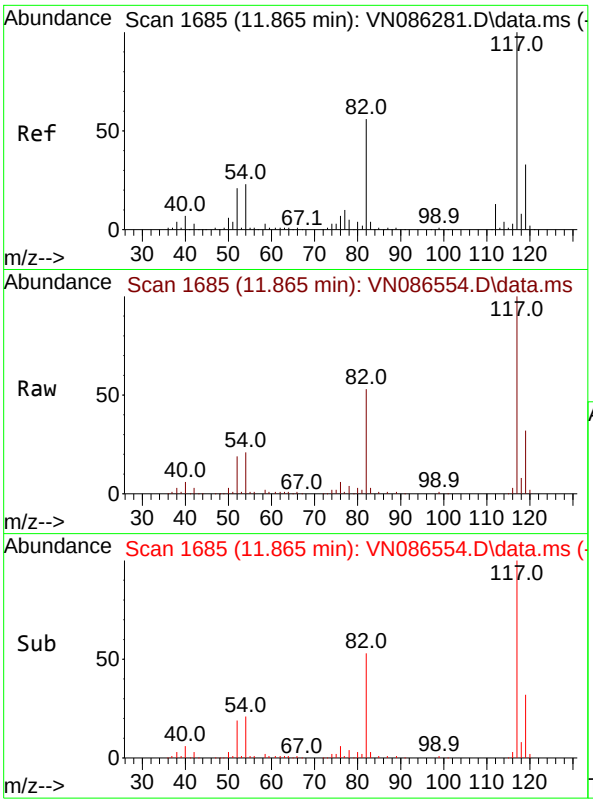


#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion: 95 Resp: 133637

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	133.4
176	70.7	0.0	129.2



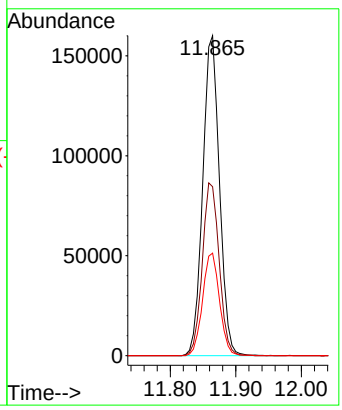


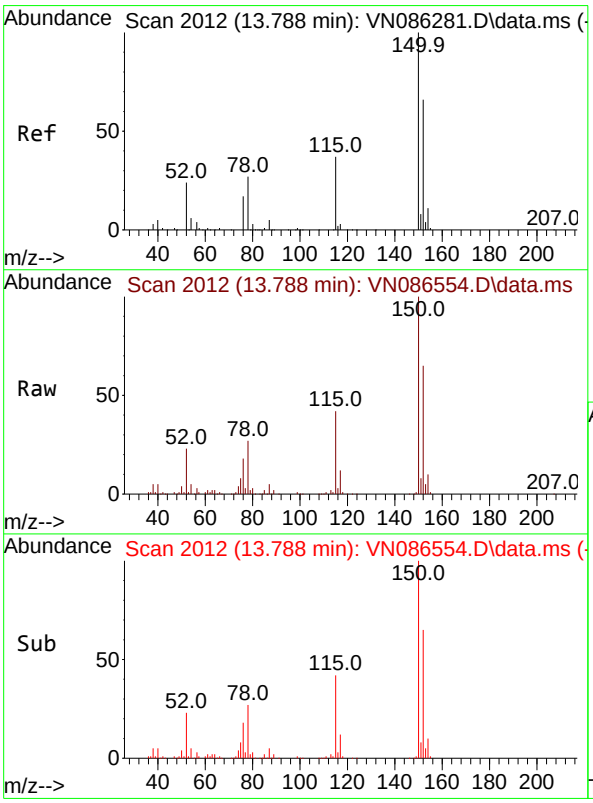
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:117 Resp: 283891

Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.7	67.1
119	32.0	26.4	39.6

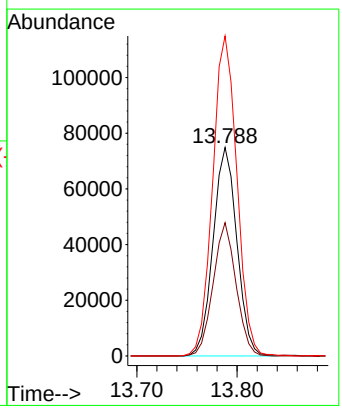




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion:152 Resp: 123333

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.9	95.9
150	156.6	0.0	352.0



Sample Results: **VN086554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1043	1056	1060	rBV	120353	284947	28.78%	5.702%
2	8.218	1060	1065	1077	rVB	212574	479622	48.44%	9.598%
3	8.577	1116	1126	1135	rBV	134233	306350	30.94%	6.130%
4	9.100	1203	1215	1225	rBV	338531	691651	69.86%	13.841%
5	10.565	1456	1464	1474	rBV	535605	990074	100.00%	19.813%
6	11.865	1676	1685	1697	rBV	476266	856334	86.49%	17.136%
7	12.847	1845	1852	1863	rBV	368977	623248	62.95%	12.472%
8	13.788	2005	2012	2021	rVB	454178	748709	75.62%	14.983%
9	15.635	2320	2326	2337	rBV	8736	16217	1.64%	0.325%

Sum of corrected areas: 4997152

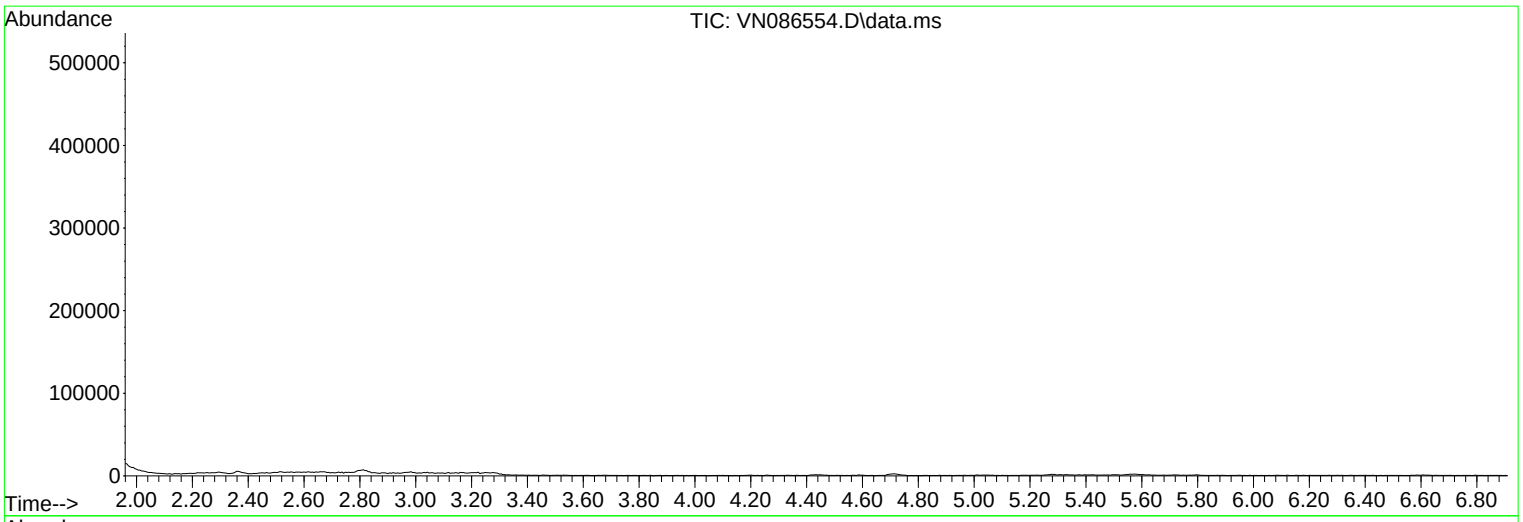
Sample Results: **VN086554.D**

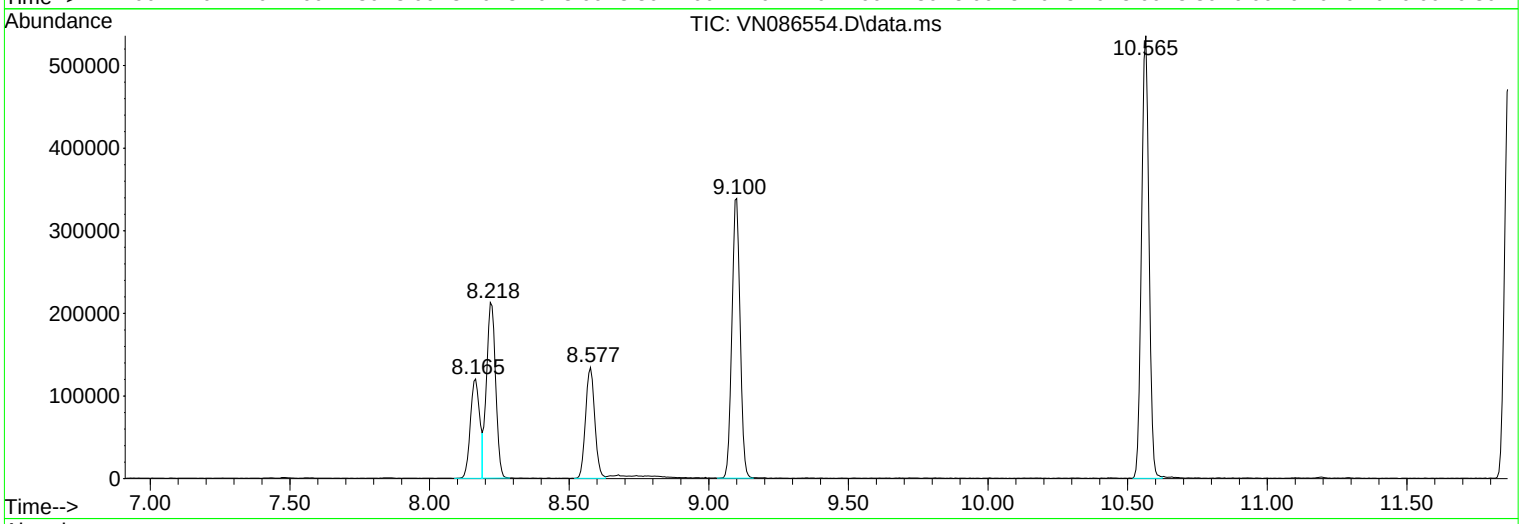
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

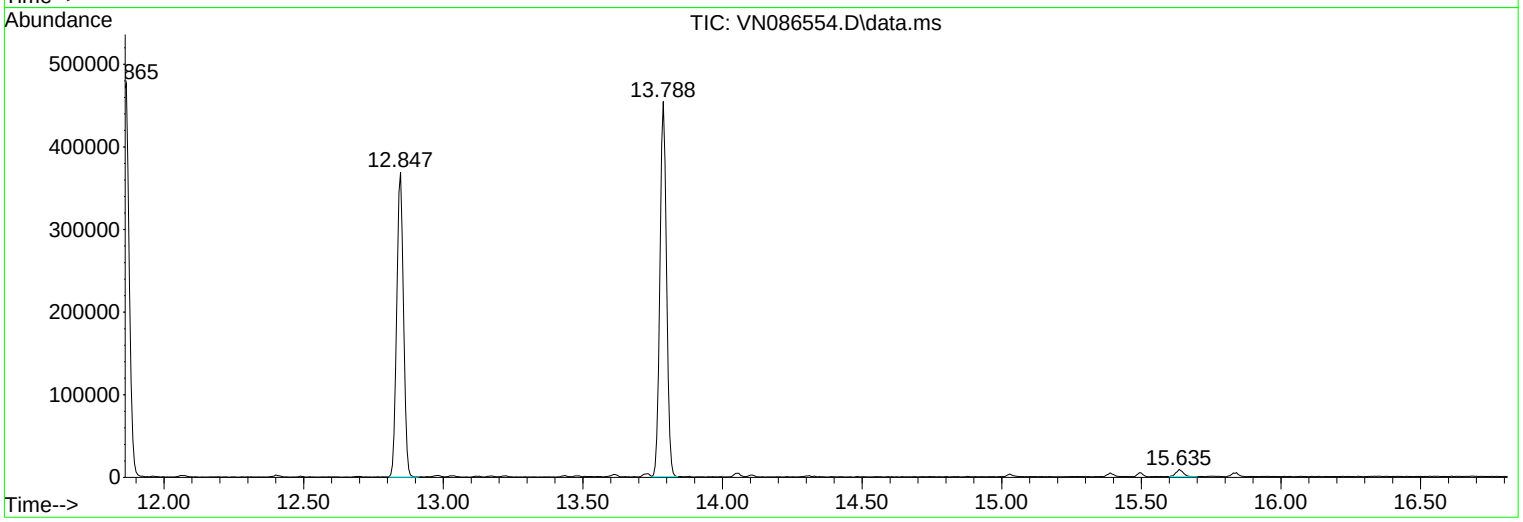
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VN086554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Time: May 03 02:49:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

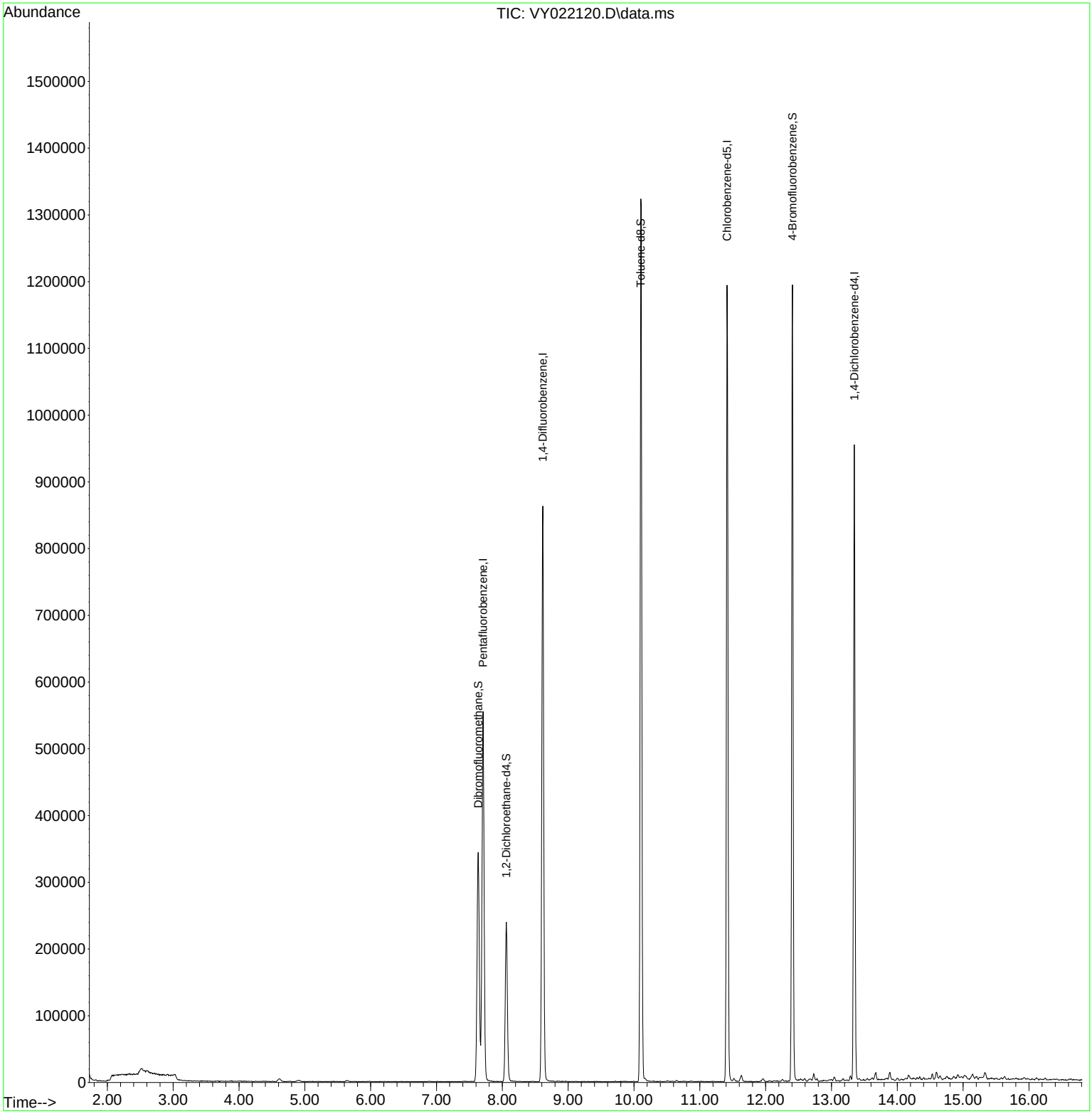
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	420631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	766740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	655107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	242655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	190184	48.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.900%			
35) Dibromofluoromethane	7.634	113	246463	48.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.320%			
50) Toluene-d8	10.103	98	896764	46.959	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.920%			
62) 4-Bromofluorobenzene	12.408	95	364820	56.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.500%			
Target Compounds						Qvalue

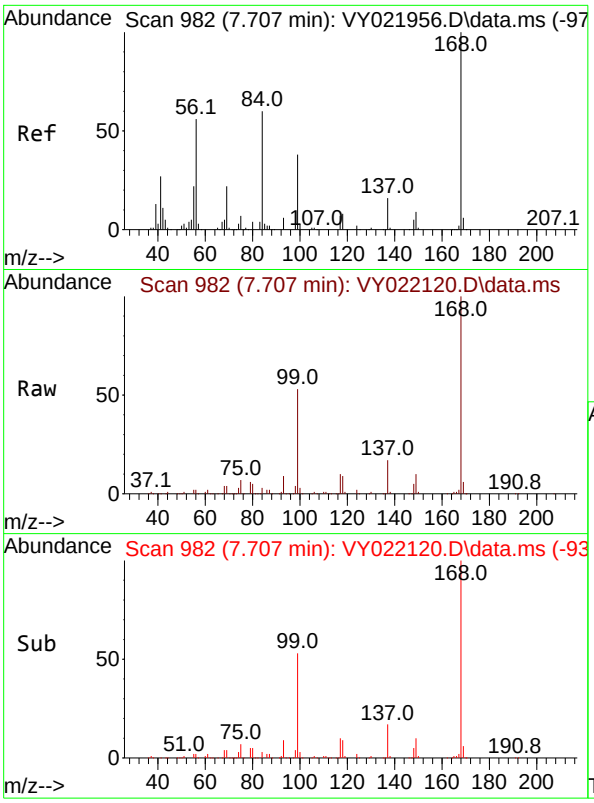
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Time: May 03 02:49:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



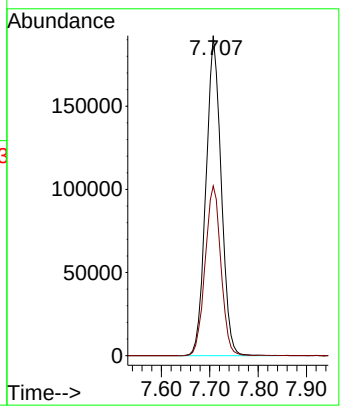


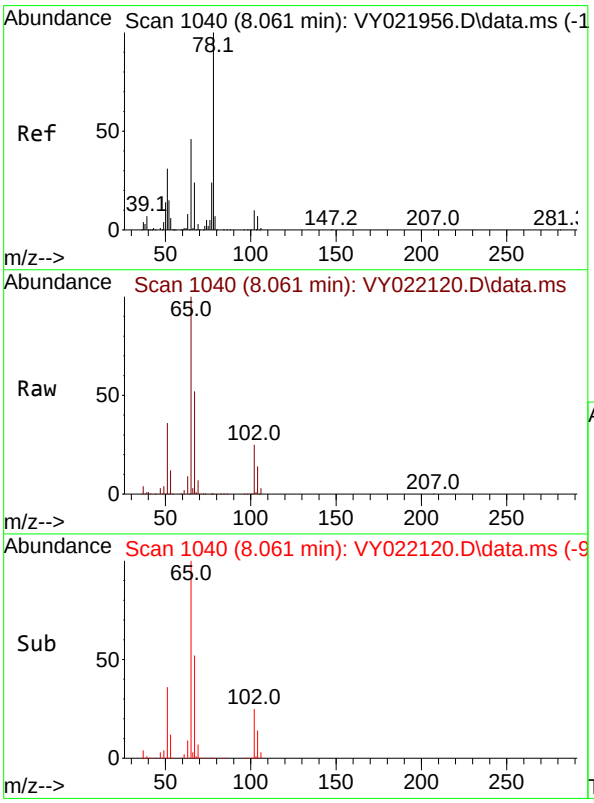
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion:168 Resp: 420631

Ion	Ratio	Lower	Upper
168	100		
99	53.1	43.1	64.7

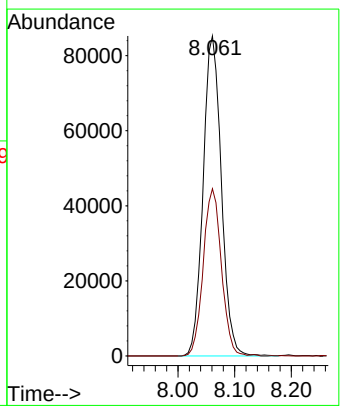


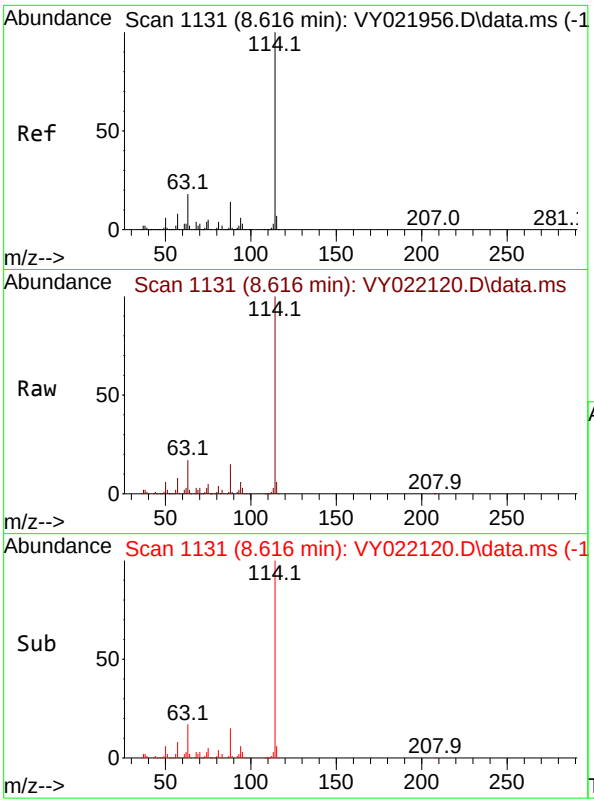


#33
1,2-Dichloroethane-d4
Concen: 48.950 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion: 65 Resp: 190184

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.8



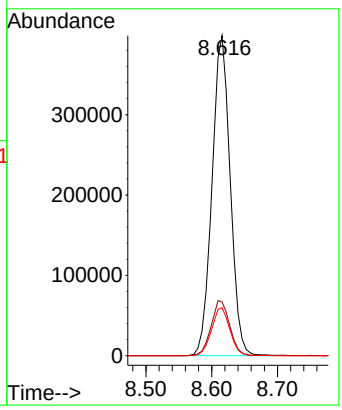


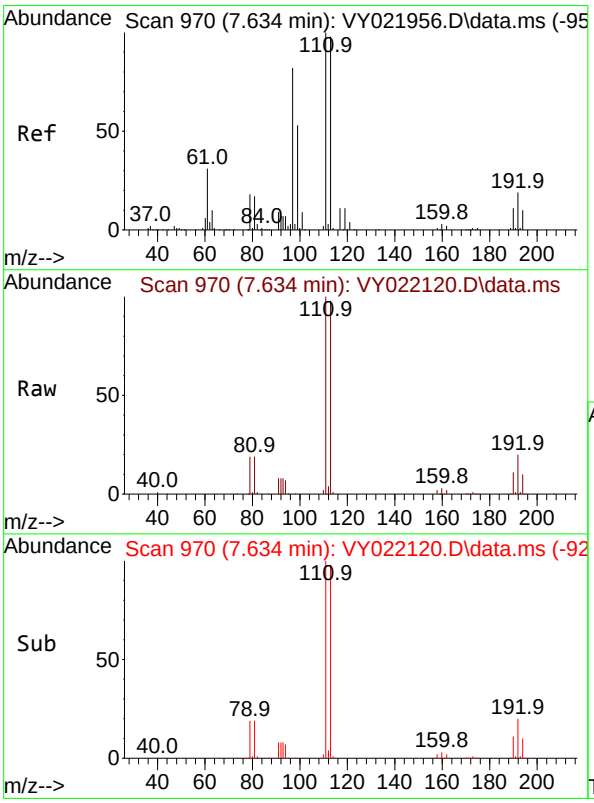
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion:114 Resp: 766740

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	15.0	0.0	28.2

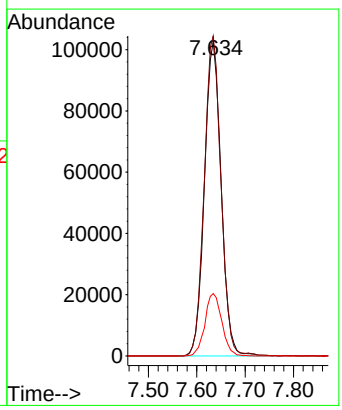


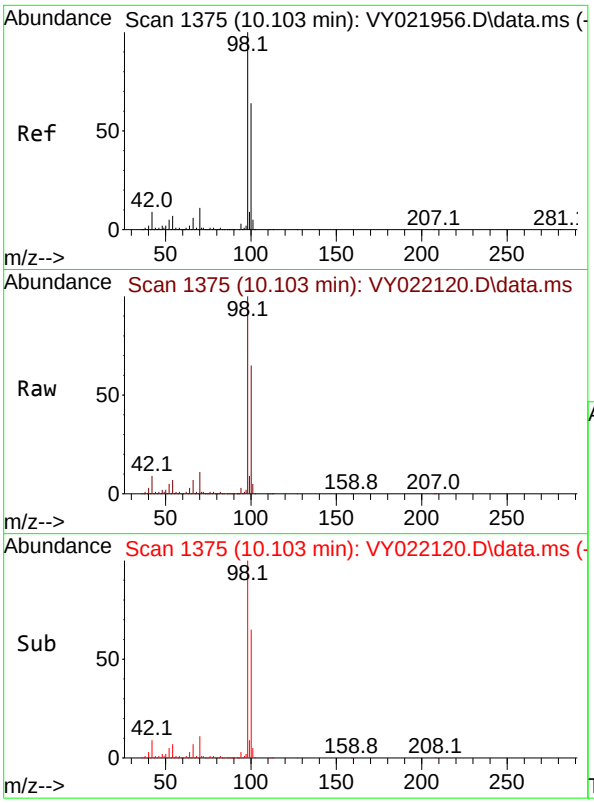


#35
Dibromofluoromethane
Concen: 48.655 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion:113 Resp: 246463

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	20.1	15.6	23.4



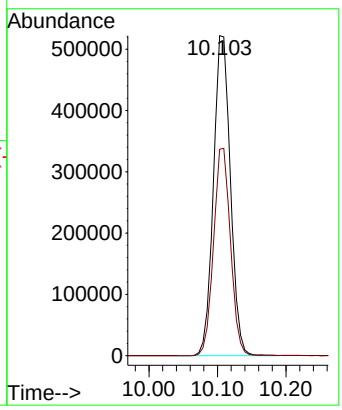


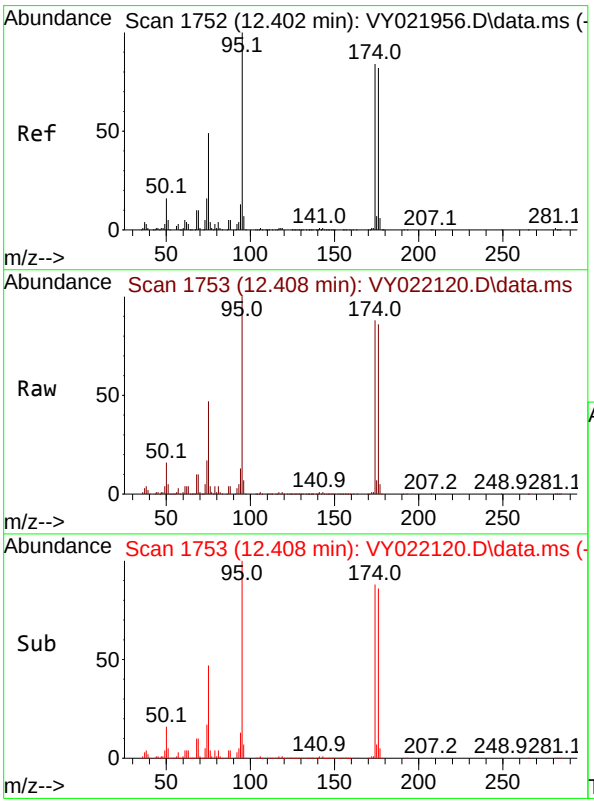
#50
Toluene-d8
Concen: 46.959 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion: 98 Resp: 896764

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

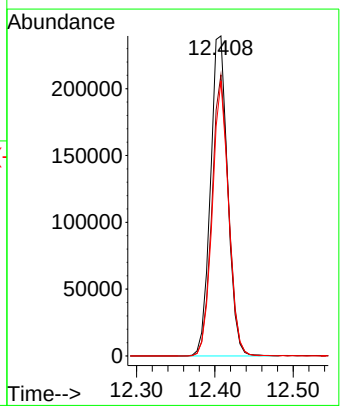


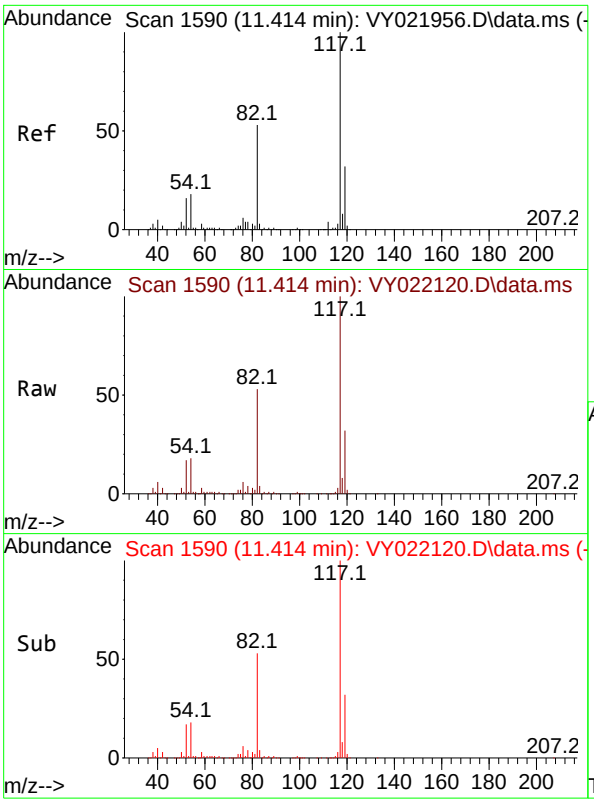


#62
4-Bromofluorobenzene
Concen: 56.748 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion: 95 Resp: 364820

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	179.0
176	81.7	0.0	171.8



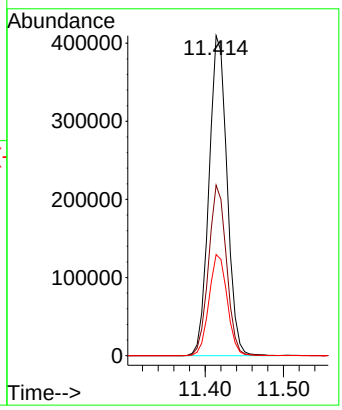


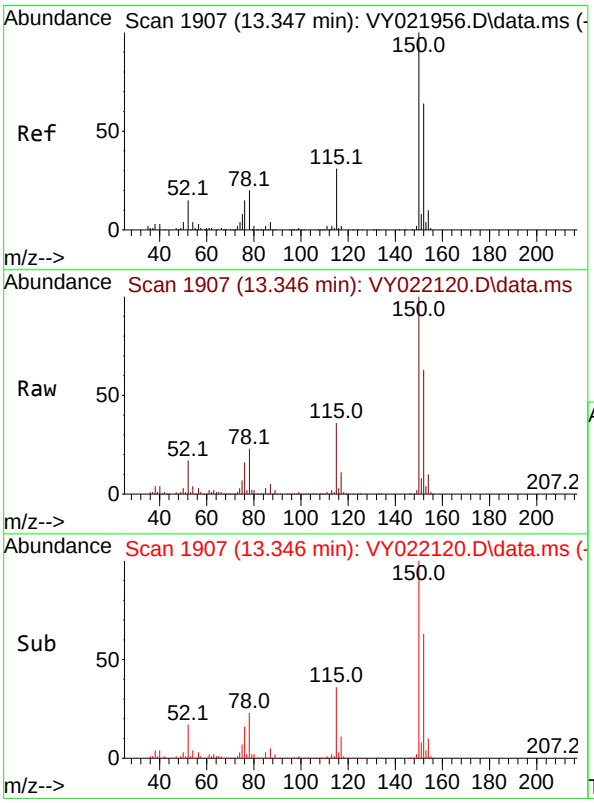
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion:117 Resp: 655107

Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	31.6	25.7	38.5

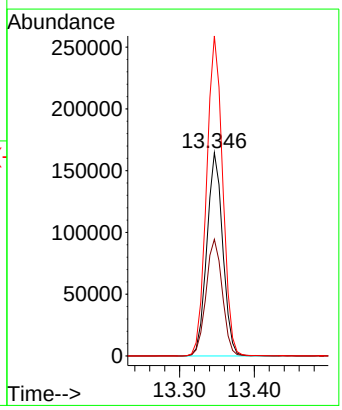




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion:152 Resp: 242655

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.0	84.0
150	159.3	0.0	345.6



Sample Results: **VY022120.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022120.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.519	122	131	136	rBV	8996	32828	1.44%	0.280%
2	7.634	959	970	976	rBV	343509	827032	36.31%	7.050%
3	7.707	976	982	994	rVB	553341	1209579	53.10%	10.311%
4	8.061	1030	1040	1051	rBV	239018	533300	23.41%	4.546%
5	8.616	1121	1131	1144	rBV	862571	1693889	74.36%	14.439%
6	10.103	1367	1375	1384	rBV	1322863	2277928	100.00%	19.418%
7	11.414	1583	1590	1601	rBV	1193287	1914021	84.02%	16.316%
8	12.408	1744	1753	1764	rBV	1193430	1817946	79.81%	15.497%
9	13.346	1900	1907	1916	rVB	951125	1424719	62.54%	12.145%

Sum of corrected areas: 11731242

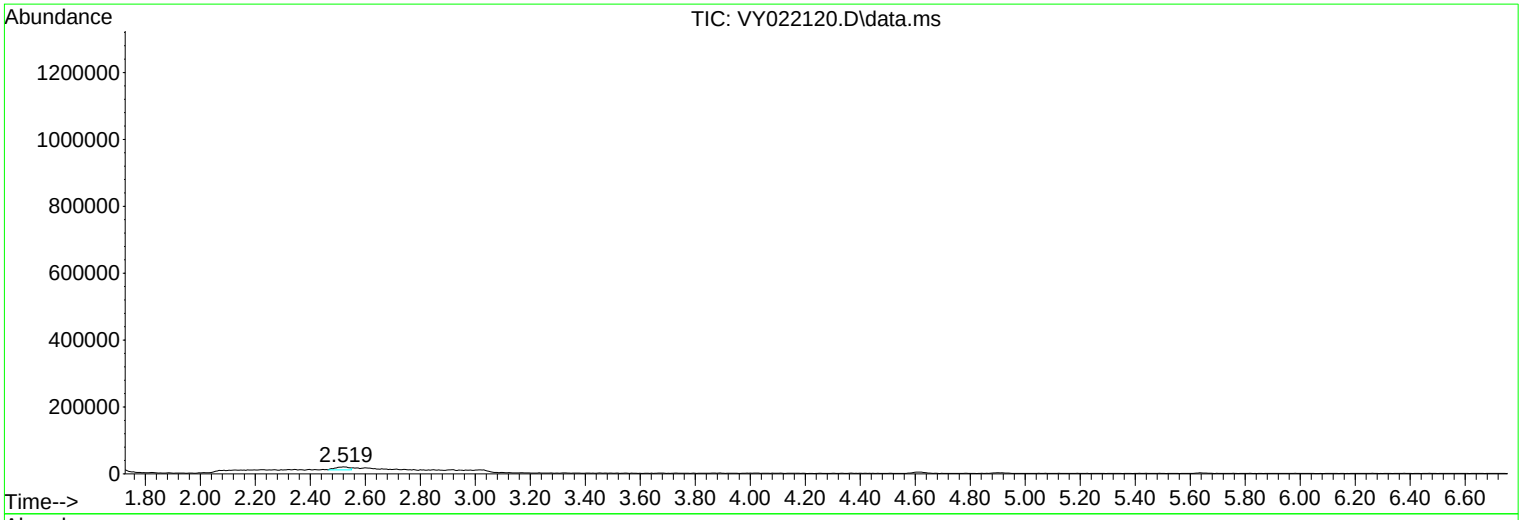
Sample Results: **VY022120.D**

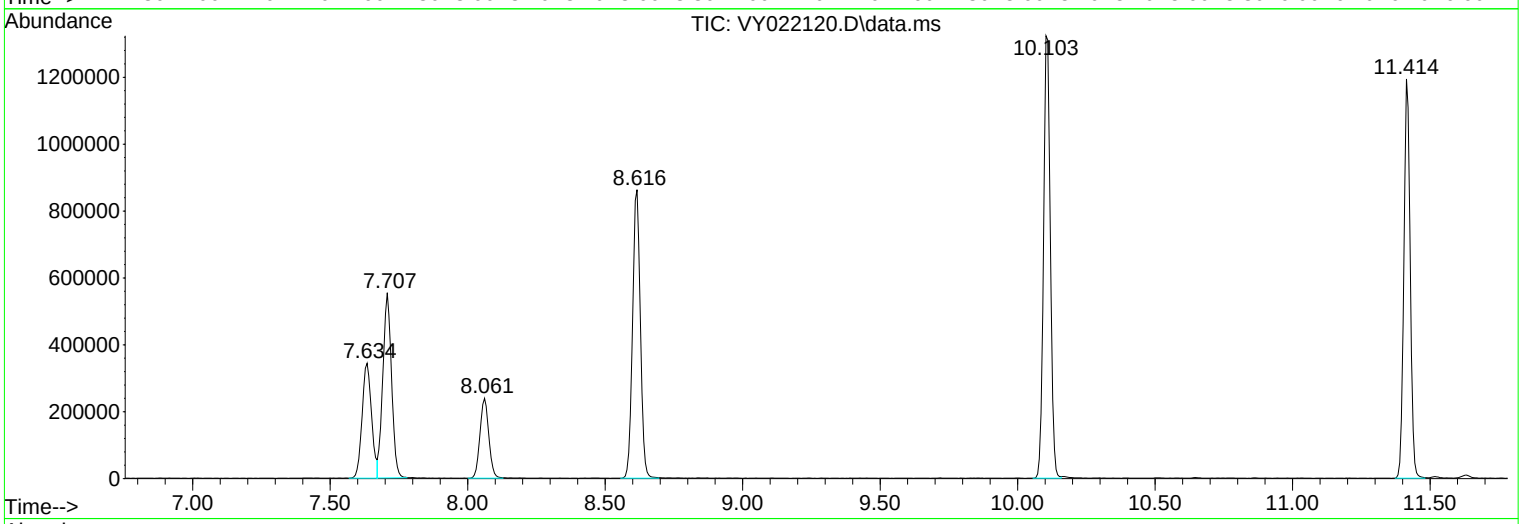
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

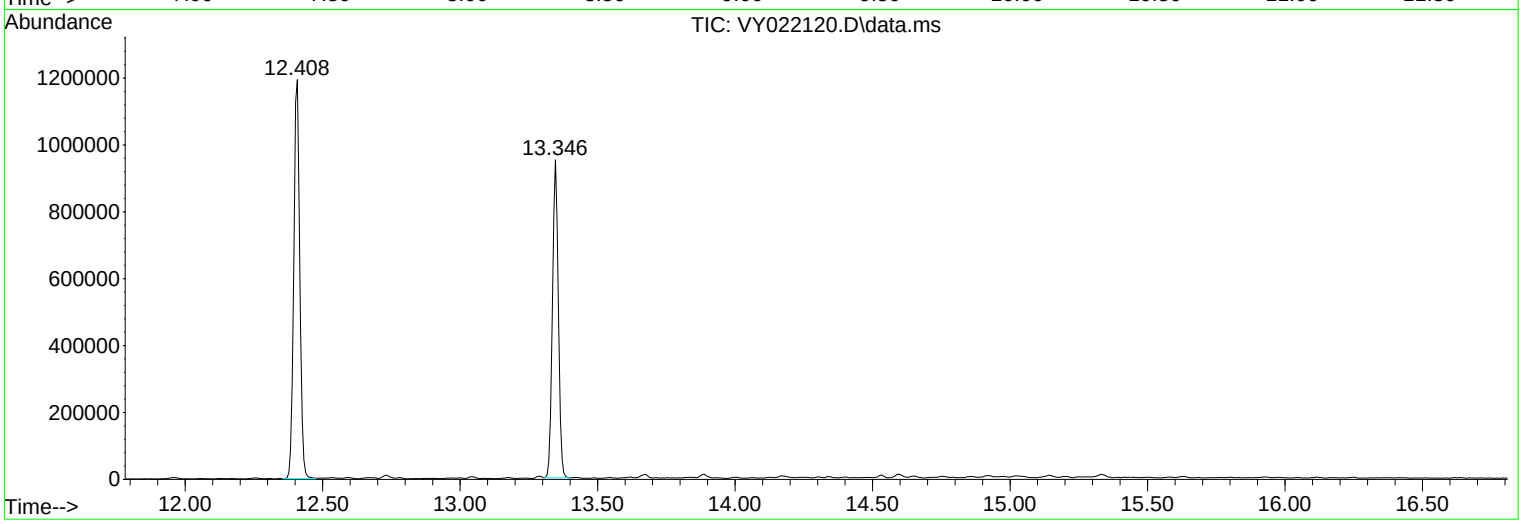
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130104	51.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.165	113	86050	57.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.600%			
50) Toluene-d8	10.565	98	407923	50.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.847	95	150202	51.310	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	44543	21.547	ug/l	96
3) Chloromethane	2.359	50	59896	19.935	ug/l	100
4) Vinyl Chloride	2.512	62	57590	20.086	ug/l	100
5) Bromomethane	2.959	94	31279	24.254	ug/l	100
6) Chloroethane	3.118	64	37234	19.404	ug/l	97
7) Trichlorofluoromethane	3.495	101	66522	20.946	ug/l	99
8) Diethyl Ether	3.959	74	26911	19.410	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	39674	20.650	ug/l	98
10) Methyl Iodide	4.589	142	49175	23.281	ug/l	98
11) Tert butyl alcohol	5.518	59	43369	93.993	ug/l	100
12) 1,1-Dichloroethene	4.342	96	39810	19.395	ug/l	98
13) Acrolein	4.183	56	22436	94.919	ug/l	98
14) Allyl chloride	5.030	41	65646	17.991	ug/l	97
15) Acrylonitrile	5.718	53	107773	94.486	ug/l	99
16) Acetone	4.424	43	90063	99.575	ug/l	98
17) Carbon Disulfide	4.712	76	105148	17.109	ug/l	97
18) Methyl Acetate	5.024	43	52056	17.149	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	146305	19.391	ug/l	95
20) Methylene Chloride	5.277	84	47392	20.272	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	42054	19.597	ug/l	93
22) Diisopropyl ether	6.671	45	141369	17.810	ug/l	97
23) Vinyl Acetate	6.600	43	515118	92.835	ug/l	97
24) 1,1-Dichloroethane	6.565	63	80332	19.181	ug/l	97
25) 2-Butanone	7.477	43	141686	90.012	ug/l	96
26) 2,2-Dichloropropane	7.489	77	66100	17.627	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	53341	20.027	ug/l	94
28) Bromochloromethane	7.812	49	33538	18.886	ug/l	89
29) Tetrahydrofuran	7.841	42	93763	89.078	ug/l	95
30) Chloroform	7.965	83	82657	20.091	ug/l	96
31) Cyclohexane	8.253	56	73846	18.019	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	70453	20.018	ug/l	98
36) 1,1-Dichloropropene	8.365	75	58349	19.454	ug/l	99
37) Ethyl Acetate	7.553	43	58336	18.474	ug/l	100
38) Carbon Tetrachloride	8.359	117	58441	20.460	ug/l	98
39) Methylcyclohexane	9.594	83	66279	18.591	ug/l	96
40) Benzene	8.600	78	189893	19.760	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	30742	16.798	ug/l		91
42) 1,2-Dichloroethane	8.665	62	62197	20.296	ug/l		99
43) Isopropyl Acetate	8.683	43	111105	18.158	ug/l		99
44) Trichloroethene	9.347	130	47059	20.660	ug/l		91
45) 1,2-Dichloropropane	9.618	63	44946	19.107	ug/l		96
46) Dibromomethane	9.706	93	31240	20.843	ug/l		95
47) Bromodichloromethane	9.883	83	66389	20.509	ug/l		96
48) Methyl methacrylate	9.677	41	49116	17.712	ug/l		95
49) 1,4-Dioxane	9.694	88	18848	399.585	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	305173	94.377	ug/l		99
52) Toluene	10.630	92	121786	20.310	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	68916	19.072	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74892	18.870	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	44752	20.743	ug/l		99
56) Ethyl methacrylate	10.871	69	73957	18.649	ug/l		97
57) 1,3-Dichloropropane	11.159	76	77843	20.336	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	156596	83.197	ug/l		97
59) 2-Hexanone	11.194	43	228224	95.155	ug/l		100
60) Dibromochloromethane	11.353	129	49609	20.940	ug/l		99
61) 1,2-Dibromoethane	11.465	107	45714	21.000	ug/l		100
64) Tetrachloroethene	11.100	164	48146	21.289	ug/l		94
65) Chlorobenzene	11.888	112	134455	20.492	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44341	20.485	ug/l		100
67) Ethyl Benzene	11.959	91	243976	20.606	ug/l		99
68) m/p-Xylenes	12.065	106	182606	41.161	ug/l		97
69) o-Xylene	12.394	106	89754	20.458	ug/l		97
70) Styrene	12.406	104	146108	19.987	ug/l		99
71) Bromoform	12.576	173	32058	19.671	ug/l	#	99
73) Isopropylbenzene	12.694	105	218515	19.432	ug/l		98
74) N-amyl acetate	12.488	43	94007	16.792	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	63276	19.570	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	61399m	18.926	ug/l		
77) Bromobenzene	12.976	156	53295	21.389	ug/l		91
78) n-propylbenzene	13.029	91	256242	19.337	ug/l		100
79) 2-Chlorotoluene	13.124	91	160710	19.382	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	181334	19.702	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	23223	17.192	ug/l		96
82) 4-Chlorotoluene	13.218	91	158679	19.265	ug/l		97
83) tert-Butylbenzene	13.435	119	157263	19.719	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	184046	19.645	ug/l		100
85) sec-Butylbenzene	13.612	105	216273	19.551	ug/l		100
86) p-Isopropyltoluene	13.723	119	178716	19.601	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	95175	20.319	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	95409	20.223	ug/l		100
89) n-Butylbenzene	14.053	91	152279	18.842	ug/l		99
90) Hexachloroethane	14.329	117	28745	18.743	ug/l		96
91) 1,2-Dichlorobenzene	14.100	146	92093	20.279	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11468	17.590	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	41192	18.943	ug/l		99
94) Hexachlorobutadiene	15.500	225	15115	18.414	ug/l		98
95) Naphthalene	15.635	128	388428	50.390	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	39310	19.094	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

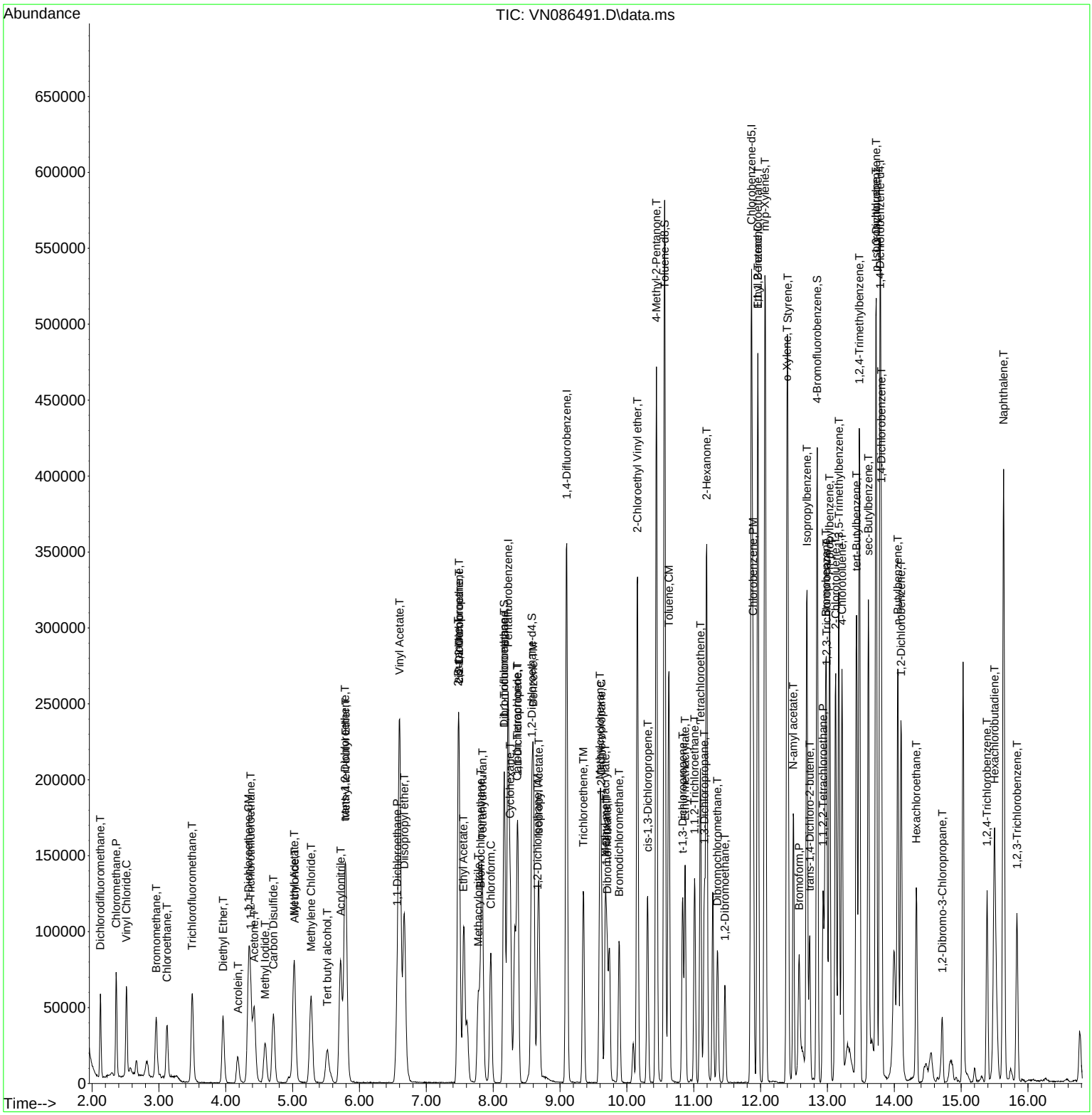
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	186931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131666	48.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.140%			
35) Dibromofluoromethane	8.165	113	89652	57.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.400%			
50) Toluene-d8	10.565	98	417017	50.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.847	95	142861	47.169	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37722	17.023	ug/l	99
3) Chloromethane	2.359	50	47570	14.771	ug/l	100
4) Vinyl Chloride	2.518	62	48679	15.840	ug/l	99
5) Bromomethane	2.959	94	28857	20.875	ug/l	94
6) Chloroethane	3.124	64	33294	16.187	ug/l	96
7) Trichlorofluoromethane	3.501	101	63968	18.791	ug/l	99
8) Diethyl Ether	3.959	74	24936	16.779	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	38925	18.902	ug/l	99
10) Methyl Iodide	4.589	142	45616	20.148	ug/l	97
11) Tert butyl alcohol	5.512	59	41804	84.524	ug/l	97
12) 1,1-Dichloroethene	4.342	96	37558	17.071	ug/l	97
13) Acrolein	4.177	56	25741	102.726	ug/l	95
14) Allyl chloride	5.018	41	54227	13.865	ug/l	91
15) Acrylonitrile	5.718	53	102769	84.055	ug/l	100
16) Acetone	4.430	43	84780	86.735	ug/l	99
17) Carbon Disulfide	4.712	76	98094	14.890	ug/l	98
18) Methyl Acetate	5.024	43	50791	15.610	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	139071	17.196	ug/l	95
20) Methylene Chloride	5.277	84	45402	18.118	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	41035	17.840	ug/l	90
22) Diisopropyl ether	6.665	45	132768	15.605	ug/l	95
23) Vinyl Acetate	6.600	43	485911	81.697	ug/l	98
24) 1,1-Dichloroethane	6.565	63	76514	17.044	ug/l	98
25) 2-Butanone	7.483	43	134623	79.788	ug/l	94
26) 2,2-Dichloropropane	7.483	77	67580	16.813	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	50669	17.748	ug/l	95
28) Bromochloromethane	7.812	49	33407	17.551	ug/l	85
29) Tetrahydrofuran	7.836	42	89191	79.051	ug/l	94
30) Chloroform	7.959	83	81472	18.475	ug/l	98
31) Cyclohexane	8.253	56	69881	15.908	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	71397	18.926	ug/l	95
36) 1,1-Dichloropropene	8.371	75	56250	18.126	ug/l	98
37) Ethyl Acetate	7.559	43	55641	17.031	ug/l	99
38) Carbon Tetrachloride	8.359	117	59000	19.964	ug/l	99
39) Methylcyclohexane	9.600	83	63530	17.224	ug/l	96
40) Benzene	8.600	78	182406	18.346	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29311	15.480	ug/l		91
42) 1,2-Dichloroethane	8.671	62	60715	19.149	ug/l		100
43) Isopropyl Acetate	8.683	43	110687	17.407	ug/l		98
44) Trichloroethene	9.347	130	46102	19.563	ug/l		96
45) 1,2-Dichloropropane	9.618	63	42544	17.481	ug/l		97
46) Dibromomethane	9.706	93	30758	19.835	ug/l		95
47) Bromodichloromethane	9.882	83	63533	18.970	ug/l		97
48) Methyl methacrylate	9.677	41	45829	15.974	ug/l		93
49) 1,4-Dioxane	9.688	88	17877	366.317	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	294698	88.088	ug/l		99
52) Toluene	10.629	92	117697	18.971	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	67999	18.188	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	71768	17.477	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	43240	19.372	ug/l		98
56) Ethyl methacrylate	10.871	69	71193	17.352	ug/l		98
57) 1,3-Dichloropropane	11.159	76	74092	18.709	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	142910	73.385	ug/l		95
59) 2-Hexanone	11.194	43	215334	86.777	ug/l		100
60) Dibromochloromethane	11.353	129	47427	19.349	ug/l		100
61) 1,2-Dibromoethane	11.465	107	44506	19.761	ug/l		99
64) Tetrachloroethene	11.100	164	44136	19.563	ug/l		92
65) Chlorobenzene	11.888	112	127286	19.446	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	43186	19.999	ug/l		99
67) Ethyl Benzene	11.959	91	221649	18.765	ug/l		100
68) m/p-Xylenes	12.071	106	169269	38.246	ug/l		96
69) o-Xylene	12.394	106	85449	19.523	ug/l		94
70) Styrene	12.406	104	137352	18.834	ug/l		99
71) Bromoform	12.576	173	30798	18.943	ug/l	#	99
73) Isopropylbenzene	12.694	105	207336	19.277	ug/l		100
74) N-amyl acetate	12.488	43	87445	16.331	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61023	19.732	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	62840m	20.252	ug/l		
77) Bromobenzene	12.976	156	49109	20.606	ug/l		89
78) n-propylbenzene	13.035	91	234190	18.477	ug/l		99
79) 2-Chlorotoluene	13.123	91	149382	18.835	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	165809	18.835	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	24481	18.948	ug/l		87
82) 4-Chlorotoluene	13.218	91	146156	18.552	ug/l		98
83) tert-Butylbenzene	13.435	119	145403	19.062	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	168561	18.811	ug/l		100
85) sec-Butylbenzene	13.612	105	197232	18.641	ug/l		98
86) p-Isopropyltoluene	13.723	119	162051	18.582	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	89107	19.890	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	88706	19.658	ug/l		98
89) n-Butylbenzene	14.053	91	134002	17.335	ug/l		98
90) Hexachloroethane	14.329	117	26821	18.284	ug/l		96
91) 1,2-Dichlorobenzene	14.100	146	85298	19.638	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	11486	18.420	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	39203	18.849	ug/l		99
94) Hexachlorobutadiene	15.500	225	15090	19.220	ug/l		97
95) Naphthalene	15.635	128	135759	18.413	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	38632	19.619	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

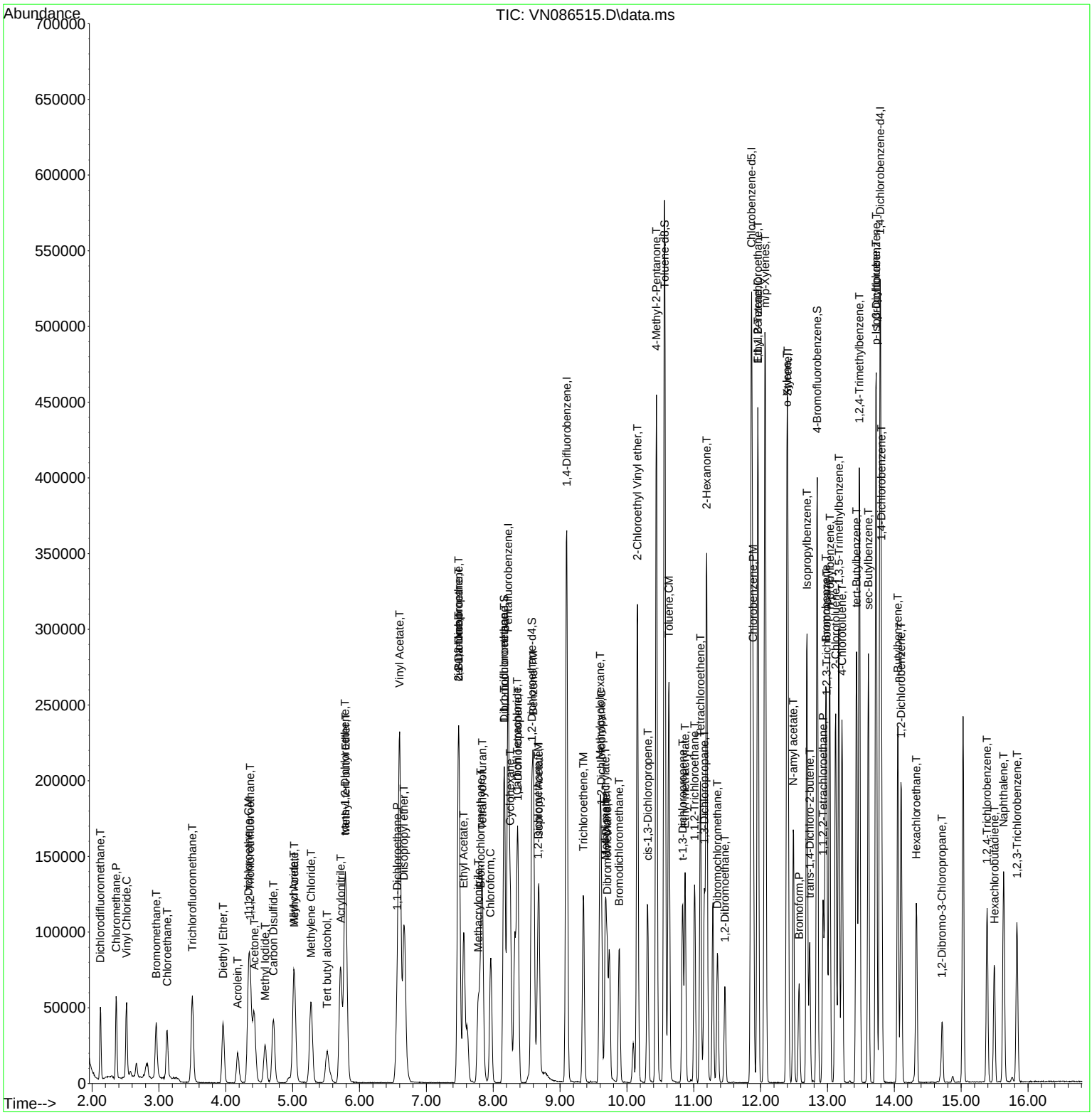
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120415	47.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.140%			
35) Dibromofluoromethane	8.165	113	89453	61.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.620%			
50) Toluene-d8	10.565	98	366182	46.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.920%			
62) 4-Bromofluorobenzene	12.847	95	135313	47.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40105	19.179	ug/l	98
3) Chloromethane	2.359	50	51058	16.800	ug/l	97
4) Vinyl Chloride	2.518	62	49017	16.901	ug/l	99
5) Bromomethane	2.959	94	29435	22.564	ug/l	97
6) Chloroethane	3.124	64	32412	16.699	ug/l	93
7) Trichlorofluoromethane	3.500	101	59251	18.444	ug/l	94
8) Diethyl Ether	3.959	74	25129	17.918	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	36006	18.528	ug/l	96
10) Methyl Iodide	4.589	142	44123	20.651	ug/l	96
11) Tert butyl alcohol	5.512	59	38589	82.680	ug/l	99
12) 1,1-Dichloroethene	4.342	96	35385	17.043	ug/l	95
13) Acrolein	4.177	56	22939	96.114	ug/l	99
14) Allyl chloride	5.024	41	50401	13.655	ug/l	93
15) Acrylonitrile	5.718	53	99876	86.565	ug/l	99
16) Acetone	4.418	43	81217	88.137	ug/l	99
17) Carbon Disulfide	4.712	76	101679	16.356	ug/l	99
18) Methyl Acetate	5.024	43	42834	13.950	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	134739	17.654	ug/l	97
20) Methylene Chloride	5.277	84	44201	18.691	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	39497	18.196	ug/l	93
22) Diisopropyl ether	6.671	45	129809	16.167	ug/l	95
23) Vinyl Acetate	6.600	43	490423	87.376	ug/l	96
24) 1,1-Dichloroethane	6.565	63	72385	17.086	ug/l	99
25) 2-Butanone	7.477	43	131412	82.534	ug/l	98
26) 2,2-Dichloropropane	7.488	77	65202	17.190	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	48720	18.084	ug/l	95
28) Bromochloromethane	7.812	49	34462	19.185	ug/l	89
29) Tetrahydrofuran	7.835	42	86842	81.562	ug/l	96
30) Chloroform	7.965	83	75911	18.241	ug/l	96
31) Cyclohexane	8.253	56	66282	15.989	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	64660	18.163	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53357	18.309	ug/l	97
37) Ethyl Acetate	7.553	43	55250	18.008	ug/l	97
38) Carbon Tetrachloride	8.359	117	54557	19.658	ug/l	96
39) Methylcyclohexane	9.594	83	61817	17.846	ug/l	96
40) Benzene	8.600	78	174349	18.673	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	28768	16.179	ug/l		92
42) 1,2-Dichloroethane	8.665	62	58546	19.663	ug/l		100
43) Isopropyl Acetate	8.682	43	101359	16.922	ug/l		99
44) Trichloroethene	9.347	130	43403	19.613	ug/l		97
45) 1,2-Dichloropropane	9.618	63	41247	18.047	ug/l		99
46) Dibromomethane	9.706	93	29800	20.464	ug/l		96
47) Bromodichloromethane	9.888	83	59907	19.047	ug/l		98
48) Methyl methacrylate	9.676	41	43601	16.183	ug/l		93
49) 1,4-Dioxane	9.694	88	18022	393.245	ug/l		93
51) 4-Methyl-2-Pentanone	10.441	43	276921	88.144	ug/l		98
52) Toluene	10.629	92	112667	19.339	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	65643	18.697	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	69616	18.053	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	42434	20.244	ug/l		97
56) Ethyl methacrylate	10.871	69	69776	18.109	ug/l		97
57) 1,3-Dichloropropane	11.159	76	72338	19.451	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	158705	86.782	ug/l		96
59) 2-Hexanone	11.194	43	203276	87.232	ug/l		98
60) Dibromochloromethane	11.359	129	46325	20.126	ug/l		98
61) 1,2-Dibromoethane	11.465	107	42203	19.954	ug/l		99
64) Tetrachloroethene	11.100	164	43012	19.474	ug/l		98
65) Chlorobenzene	11.888	112	125844	19.639	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	41088	19.436	ug/l		98
67) Ethyl Benzene	11.959	91	212145	18.346	ug/l		100
68) m/p-Xylenes	12.070	106	166628	38.457	ug/l		96
69) o-Xylene	12.394	106	80992	18.902	ug/l		98
70) Styrene	12.406	104	134117	18.785	ug/l		99
71) Bromoform	12.576	173	29834	18.744	ug/l	#	100
73) Isopropylbenzene	12.694	105	195841	18.318	ug/l		99
74) N-amyl acetate	12.488	43	86254	16.206	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	59745	19.435	ug/l		97
76) 1,2,3-Trichloropropane	12.988	75	56573m	18.342	ug/l		
77) Bromobenzene	12.976	156	48537	20.489	ug/l		90
78) n-propylbenzene	13.029	91	230450	18.292	ug/l		100
79) 2-Chlorotoluene	13.123	91	145004	18.394	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	158448	18.107	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.735	75	19983	15.560	ug/l		95
82) 4-Chlorotoluene	13.217	91	146285	18.680	ug/l		99
83) tert-Butylbenzene	13.435	119	138752	18.300	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	163682	18.376	ug/l		99
85) sec-Butylbenzene	13.612	105	194779	18.520	ug/l		99
86) p-Isopropyltoluene	13.723	119	159208	18.366	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	86802	19.492	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	87298	19.463	ug/l		99
89) n-Butylbenzene	14.053	91	135575	17.644	ug/l		99
90) Hexachloroethane	14.329	117	25547	17.521	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	82749	19.166	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10408	16.792	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	38802	18.768	ug/l		98
94) Hexachlorobutadiene	15.494	225	14556	18.651	ug/l		98
95) Naphthalene	15.635	128	126675	17.285	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	37230	19.021	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

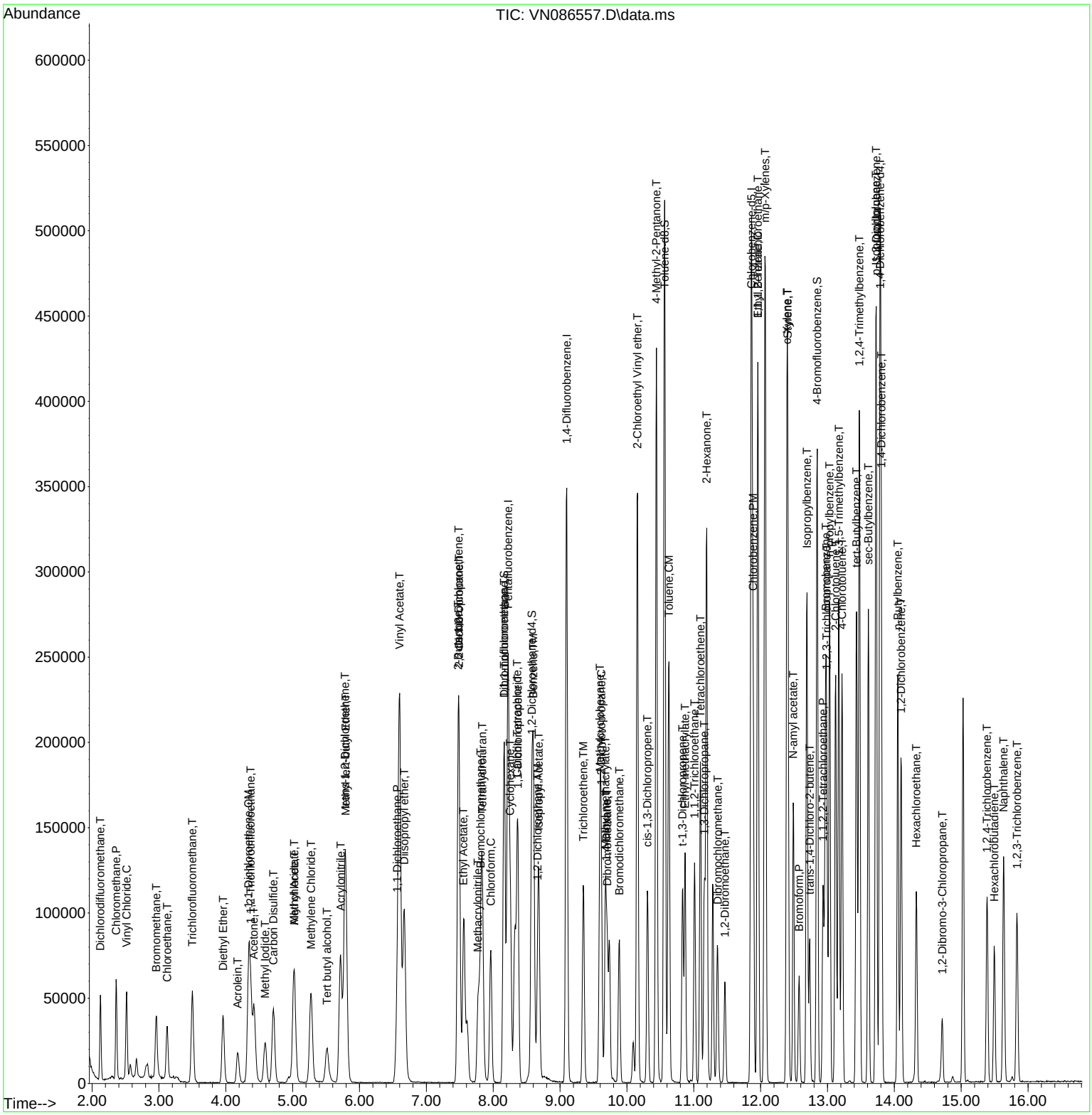
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	354744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	565281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	264963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166647	50.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.634	113	183068	49.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.040%			
50) Toluene-d8	10.109	98	684444	48.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.408	95	239526	50.537	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	57886	19.150	ug/l	98
3) Chloromethane	2.062	50	81523	18.941	ug/l	97
4) Vinyl Chloride	2.202	62	100852	19.068	ug/l	98
5) Bromomethane	2.586	94	97825	21.468	ug/l	99
6) Chloroethane	2.732	64	71214	19.770	ug/l	100
7) Trichlorofluoromethane	3.049	101	144233	20.680	ug/l	94
8) Diethyl Ether	3.452	74	35831	19.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	74823	19.776	ug/l	98
10) Methyl Iodide	4.000	142	85923	19.615	ug/l	99
11) Tert butyl alcohol	4.878	59	19620	109.068	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	71307	20.220	ug/l	98
13) Acrolein	3.653	56	23126	71.627	ug/l	100
14) Allyl chloride	4.378	41	80776	19.671	ug/l	96
15) Acrylonitrile	5.061	53	66505	100.073	ug/l	98
16) Acetone	3.879	43	51212	107.204	ug/l	98
17) Carbon Disulfide	4.098	76	212485	18.897	ug/l	99
18) Methyl Acetate	4.391	43	33662	21.992	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	170057	21.545	ug/l	98
20) Methylene Chloride	4.610	84	91148	21.999	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78899	19.977	ug/l	96
22) Diisopropyl ether	6.018	45	187601	20.530	ug/l	98
23) Vinyl Acetate	5.957	43	504757	102.493	ug/l	99
24) 1,1-Dichloroethane	5.915	63	129022	20.369	ug/l	98
25) 2-Butanone	6.896	43	75541	101.138	ug/l	97
26) 2,2-Dichloropropane	6.884	77	118480	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	92749	21.002	ug/l	99
28) Bromochloromethane	7.244	49	48108	19.554	ug/l	96
29) Tetrahydrofuran	7.262	42	48573	100.129	ug/l	95
30) Chloroform	7.421	83	147137	20.942	ug/l	100
31) Cyclohexane	7.701	56	105256	19.432	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	134886	21.220	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98847	19.704	ug/l	99
37) Ethyl Acetate	6.988	43	34180	18.971	ug/l	96
38) Carbon Tetrachloride	7.817	117	121447	20.260	ug/l	99
39) Methylcyclohexane	9.109	83	121885	19.307	ug/l	93
40) Benzene	8.079	78	311953	19.893	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	16961	17.221	ug/l	#	82
42) 1,2-Dichloroethane	8.158	62	80565	20.751	ug/l		100
43) Isopropyl Acetate	8.201	43	70200	20.289	ug/l		100
44) Trichloroethene	8.859	130	89268	20.552	ug/l		99
45) 1,2-Dichloropropane	9.140	63	69434	20.022	ug/l		100
46) Dibromomethane	9.231	93	43982	20.260	ug/l		99
47) Bromodichloromethane	9.420	83	111185	20.502	ug/l		98
48) Methyl methacrylate	9.219	41	32090	20.063	ug/l		95
49) 1,4-Dioxane	9.237	88	9120	394.162	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	184264	101.592	ug/l		100
52) Toluene	10.170	92	203618	20.060	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	95584	20.548	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	115689	20.922	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	59394	20.482	ug/l		97
56) Ethyl methacrylate	10.438	69	66957	20.192	ug/l		99
57) 1,3-Dichloropropane	10.719	76	94229	20.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	164730	101.602	ug/l		98
59) 2-Hexanone	10.761	43	120323	100.577	ug/l		98
60) Dibromochloromethane	10.914	129	81972	20.418	ug/l		99
61) 1,2-Dibromoethane	11.011	107	56428	20.613	ug/l		99
64) Tetrachloroethene	10.646	164	100760	21.039	ug/l		98
65) Chlorobenzene	11.438	112	228639	20.140	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	80424	20.122	ug/l		99
67) Ethyl Benzene	11.517	91	372440	20.055	ug/l		100
68) m/p-Xylenes	11.627	106	300786	40.702	ug/l		98
69) o-Xylene	11.956	106	140163	20.578	ug/l		99
70) Styrene	11.969	104	231602	20.252	ug/l		98
71) Bromoform	12.133	173	46777	20.130	ug/l	#	99
73) Isopropylbenzene	12.255	105	369894	20.895	ug/l		99
74) N-amyl acetate	12.072	43	59125	19.440	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59396	19.901	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	44605m	19.654	ug/l		
77) Bromobenzene	12.529	156	91180	20.384	ug/l		98
78) n-propylbenzene	12.597	91	433660	20.571	ug/l		100
79) 2-Chlorotoluene	12.676	91	254117	20.727	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	303111	20.781	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	19433	20.620	ug/l		95
82) 4-Chlorotoluene	12.779	91	267084	20.956	ug/l		100
83) tert-Butylbenzene	12.999	119	271912	20.786	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	306138	20.984	ug/l		99
85) sec-Butylbenzene	13.176	105	401071	20.953	ug/l		100
86) p-Isopropyltoluene	13.292	119	335780	20.658	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	183709	20.221	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	180678	20.080	ug/l		99
89) n-Butylbenzene	13.615	91	293579	20.207	ug/l		99
90) Hexachloroethane	13.883	117	73402	20.554	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	155776	19.659	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9881	20.809	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	90083	20.062	ug/l		99
94) Hexachlorobutadiene	15.023	225	53472	19.355	ug/l		99
95) Naphthalene	15.145	128	151232	20.275	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	76352	19.698	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

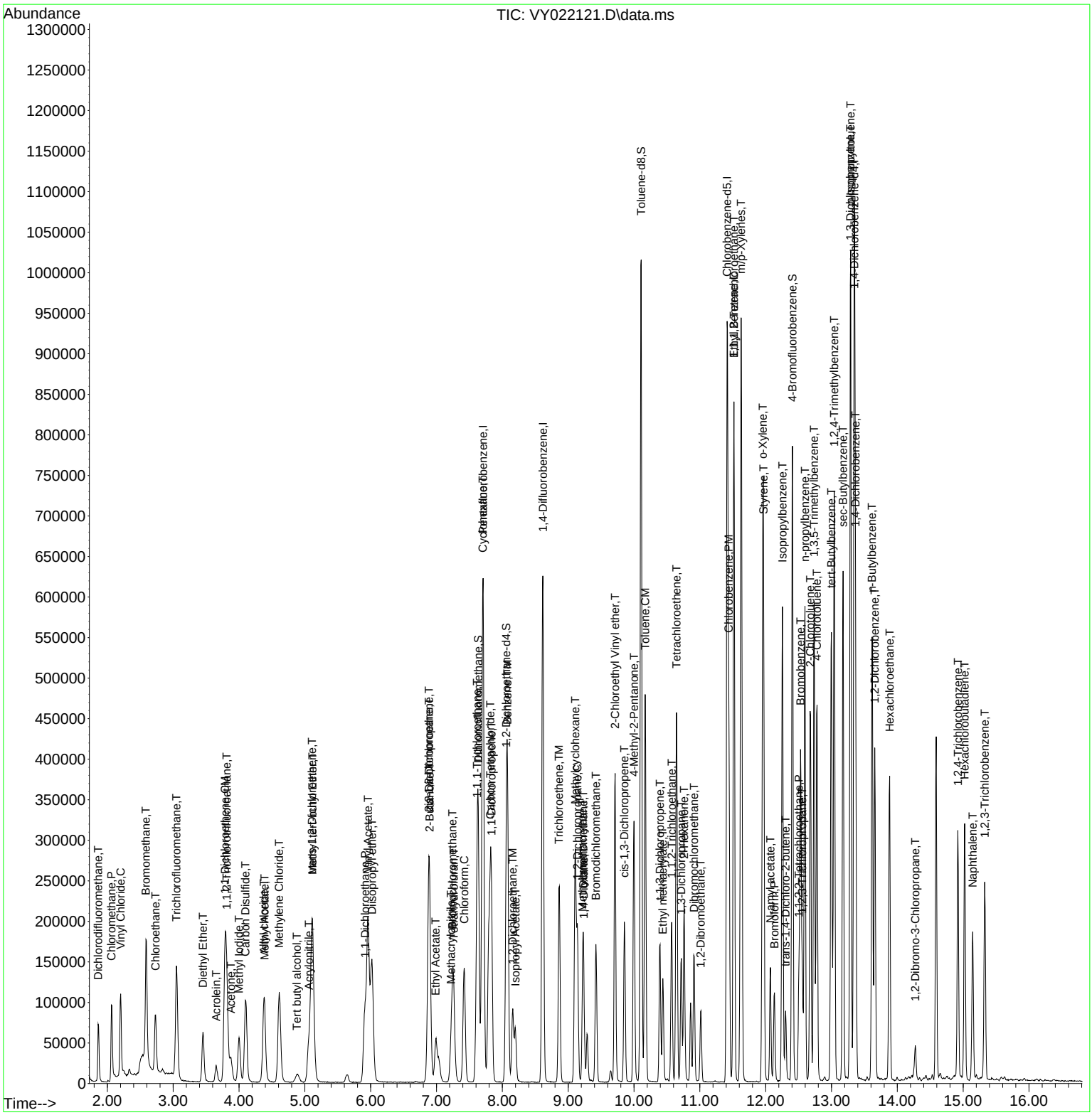
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	493162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165590	52.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.020%			
35) Dibromofluoromethane	7.634	113	183735	50.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.103	98	683203	49.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.402	95	237256	51.303	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	58759	20.004	ug/l	97
3) Chloromethane	2.062	50	78884	18.861	ug/l	99
4) Vinyl Chloride	2.202	62	97609	18.992	ug/l	98
5) Bromomethane	2.592	94	86842	19.612	ug/l	99
6) Chloroethane	2.733	64	65931	18.836	ug/l	97
7) Trichlorofluoromethane	3.056	101	138395	20.420	ug/l	96
8) Diethyl Ether	3.452	74	36730	20.822	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	73426	19.972	ug/l	99
10) Methyl Iodide	4.001	142	88456	20.781	ug/l	98
11) Tert butyl alcohol	4.866	59	19919	113.951	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	70294	20.513	ug/l	98
13) Acrolein	3.653	56	23052	73.475	ug/l	99
14) Allyl chloride	4.379	41	80453	20.163	ug/l	97
15) Acrylonitrile	5.055	53	65284	101.093	ug/l	99
16) Acetone	3.873	43	47790	102.025	ug/l	95
17) Carbon Disulfide	4.104	76	210707	19.284	ug/l	98
18) Methyl Acetate	4.391	43	33435	22.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	166734	21.739	ug/l	96
20) Methylene Chloride	4.616	84	90624	22.509	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78170	20.368	ug/l	96
22) Diisopropyl ether	6.013	45	186290	20.979	ug/l	95
23) Vinyl Acetate	5.958	43	497049	103.864	ug/l	99
24) 1,1-Dichloroethane	5.915	63	128318	20.848	ug/l	97
25) 2-Butanone	6.896	43	73535	101.317	ug/l	99
26) 2,2-Dichloropropane	6.884	77	117477	21.776	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	91389	21.297	ug/l	100
28) Bromochloromethane	7.244	49	45479	19.023	ug/l	93
29) Tetrahydrofuran	7.262	42	48577	103.050	ug/l	98
30) Chloroform	7.421	83	143608	21.034	ug/l	99
31) Cyclohexane	7.701	56	104761	19.903	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	133715	21.648	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98647	20.154	ug/l	99
37) Ethyl Acetate	6.982	43	33878	19.271	ug/l	98
38) Carbon Tetrachloride	7.817	117	121143	20.712	ug/l	98
39) Methylcyclohexane	9.110	83	122389	19.869	ug/l	99
40) Benzene	8.079	78	309939	20.256	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	16614	17.288	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	79104	20.881	ug/l		99
43) Isopropyl Acetate	8.195	43	67866	20.102	ug/l		98
44) Trichloroethene	8.866	130	86725	20.463	ug/l		95
45) 1,2-Dichloropropane	9.140	63	66037	19.516	ug/l		97
46) Dibromomethane	9.231	93	43094	20.345	ug/l		99
47) Bromodichloromethane	9.420	83	111022	20.981	ug/l		96
48) Methyl methacrylate	9.225	41	31006	19.867	ug/l		94
49) 1,4-Dioxane	9.231	88	8849	391.962	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	182327	103.024	ug/l		98
52) Toluene	10.170	92	204974	20.695	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	92881	20.464	ug/l		94
54) cis-1,3-Dichloropropene	9.853	75	110434	20.469	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	58541	20.690	ug/l		98
56) Ethyl methacrylate	10.439	69	65515	20.248	ug/l		98
57) 1,3-Dichloropropane	10.719	76	92172	20.321	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	156438	98.888	ug/l		98
59) 2-Hexanone	10.762	43	118083	101.159	ug/l		99
60) Dibromochloromethane	10.908	129	81393	20.778	ug/l		100
61) 1,2-Dibromoethane	11.012	107	55208	20.669	ug/l		100
64) Tetrachloroethene	10.646	164	99725	21.436	ug/l		97
65) Chlorobenzene	11.438	112	228588	20.727	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	80878	20.831	ug/l		99
67) Ethyl Benzene	11.518	91	369787	20.497	ug/l		99
68) m/p-Xylenes	11.627	106	301279	41.968	ug/l		100
69) o-Xylene	11.957	106	139615	21.101	ug/l		98
70) Styrene	11.969	104	232426	20.921	ug/l		98
71) Bromoform	12.133	173	45741	20.263	ug/l	#	97
73) Isopropylbenzene	12.255	105	361924	21.073	ug/l		99
74) N-amyl acetate	12.066	43	60240	20.415	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59280	20.472	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	43474m	19.744	ug/l		
77) Bromobenzene	12.530	156	91454	21.073	ug/l		99
78) n-propylbenzene	12.591	91	433304	21.185	ug/l		100
79) 2-Chlorotoluene	12.676	91	252306	21.211	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	302671	21.389	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	18769	20.527	ug/l		96
82) 4-Chlorotoluene	12.773	91	265731	21.491	ug/l		99
83) tert-Butylbenzene	12.999	119	270458	21.310	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	299799	21.181	ug/l		99
85) sec-Butylbenzene	13.176	105	394082	21.220	ug/l		99
86) p-Isopropyltoluene	13.292	119	328226	20.813	ug/l		98
87) 1,3-Dichlorobenzene	13.286	146	182043	20.653	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	178654	20.465	ug/l		99
89) n-Butylbenzene	13.615	91	293721	20.838	ug/l		99
90) Hexachloroethane	13.877	117	71159	20.538	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	156943	20.414	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9726	21.112	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	89699	20.590	ug/l		97
94) Hexachlorobutadiene	15.023	225	54537	20.347	ug/l		99
95) Naphthalene	15.145	128	152140	21.023	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	78415	20.852	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

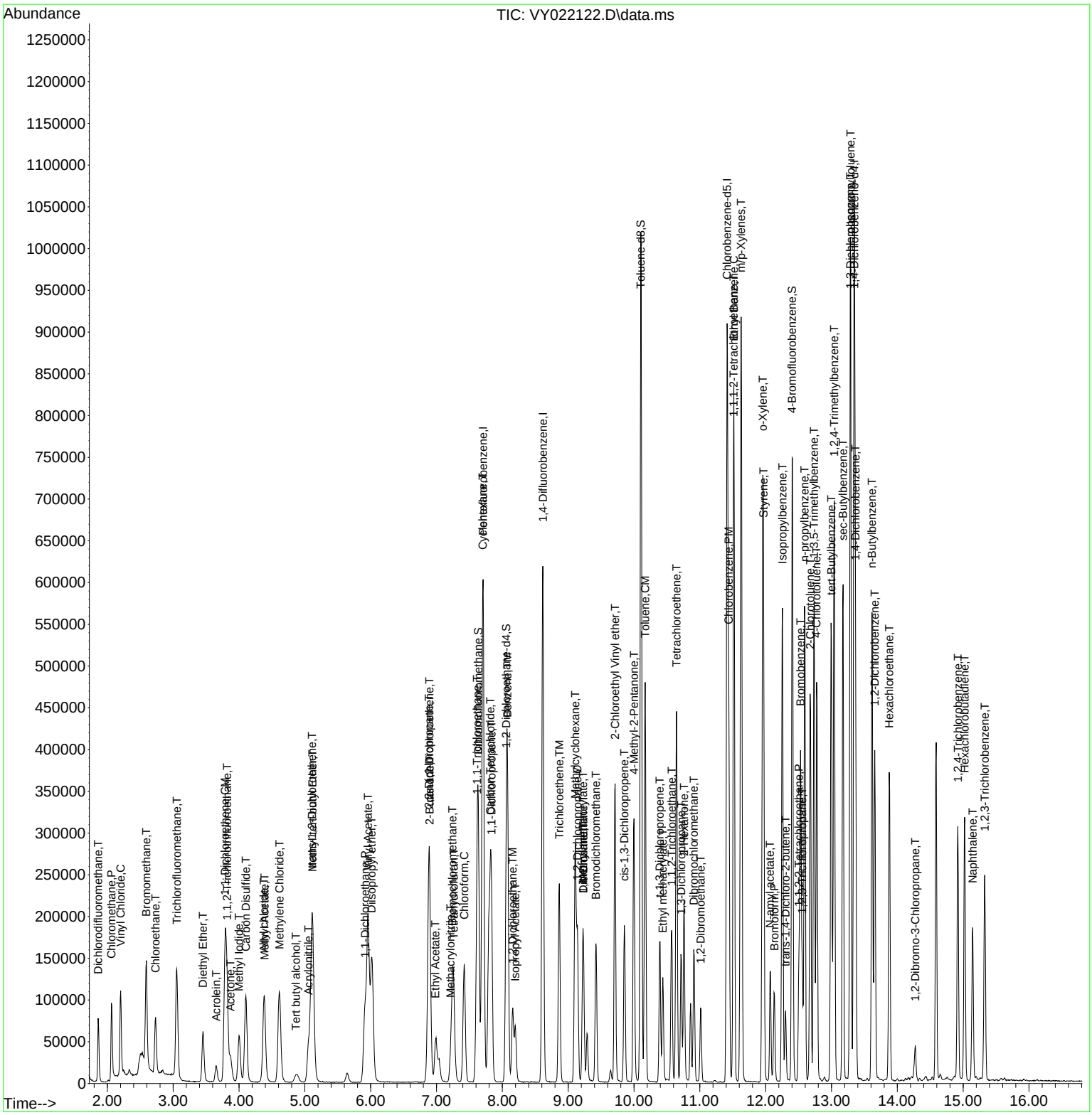
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



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Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN050525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086478.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:49 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VN0505MBS01	VN086491.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:31 AM	MMDadoda	5/6/2025 12:40:34 PM	Peak Integrated by Software
VSTDCCC050	VN086502.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:41 AM	MMDadoda	5/6/2025 12:40:38 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn050625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086504.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:49:28 AM	MMDadoda	5/7/2025 1:28:59 PM	Peak Integrated by Software
VN0506MBS01	VN086515.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:03 AM	MMDadoda	5/7/2025 1:29:12 PM	Peak Integrated by Software
VSTDCCC050	VN086526.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:21 AM	MMDadoda	5/7/2025 1:29:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN050925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086553.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:17 AM	MMDadoda	5/12/2025 1:58:14 PM	Peak Integrated by Software
VSTDCCC050	VN086553.D	trans-1,4-Dichloro-2-but ene	JOHN	5/12/2025 9:51:17 AM	MMDadoda	5/12/2025 1:58:14 PM	Peak Integrated by Software
VN0509MBS02	VN086557.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:26 AM	MMDadoda	5/12/2025 1:58:16 PM	Peak Integrated by Software
Q1939-03RE	VN086558.D	Naphthalene	JOHN	5/12/2025 9:51:31 AM	MMDadoda	5/12/2025 1:58:18 PM	Peak Integrated by Software
VSTDCCC050	VN086568.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:41 AM	MMDadoda	5/12/2025 1:58:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vy050225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022119.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:20 PM	MMDadoda	5/5/2025 2:58:23 PM	Peak Integrated by Software
VY0502SBS01	VY022121.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:21 PM	MMDadoda	5/5/2025 2:58:24 PM	Peak Integrated by Software
VY0502SBSD01	VY022122.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:23 PM	MMDadoda	5/5/2025 2:58:25 PM	Peak Integrated by Software
VSTDCCC050	VY022143.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:25 PM	MMDadoda	5/5/2025 2:58:33 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM				
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDICC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDICC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDICC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDICC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDICCC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDICC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086477.D	05 May 2025 10:23	JC\MD	Ok
2	VSTDCCC050	VN086478.D	05 May 2025 11:32	JC\MD	Ok,M
3	VN0505MBL01	VN086479.D	05 May 2025 12:13	JC\MD	Ok
4	VN0505WBL01	VN086480.D	05 May 2025 12:38	JC\MD	Ok
5	VN0505WBS01	VN086481.D	05 May 2025 13:02	JC\MD	Ok,M
6	VN0505WBSD01	VN086482.D	05 May 2025 13:36	JC\MD	Ok,M
7	IBLK	VN086483.D	05 May 2025 14:00	JC\MD	Ok
8	Q1942-01	VN086484.D	05 May 2025 14:24	JC\MD	Ok
9	Q1942-02	VN086485.D	05 May 2025 14:48	JC\MD	Ok
10	Q1942-03	VN086486.D	05 May 2025 15:12	JC\MD	Ok
11	Q1942-04	VN086487.D	05 May 2025 15:36	JC\MD	Ok
12	Q1956-07	VN086488.D	05 May 2025 16:00	JC\MD	Ok
13	Q1929-05RE	VN086489.D	05 May 2025 16:25	JC\MD	Confirms
14	Q1929-09RE	VN086490.D	05 May 2025 16:49	JC\MD	Confirms
15	VN0505MBS01	VN086491.D	05 May 2025 17:13	JC\MD	Ok,M
16	VN0505MBSD01	VN086492.D	05 May 2025 17:37	JC\MD	Ok,M
17	Q1914-06ME	VN086493.D	05 May 2025 18:01	JC\MD	Not Ok
18	Q1914-07MEDL	VN086494.D	05 May 2025 18:25	JC\MD	Ok
19	Q1914-08DL	VN086495.D	05 May 2025 18:49	JC\MD	Ok
20	Q1914-09MEDL	VN086496.D	05 May 2025 19:14	JC\MD	Ok
21	Q1914-12	VN086497.D	05 May 2025 19:38	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VN086498.D	05 May 2025 20:02	JC\MD	Ok
23	Q1939-03	VN086499.D	05 May 2025 20:26	JC\MD	Not Ok
24	Q1939-06	VN086500.D	05 May 2025 20:50	JC\MD	Ok
25	IBLK	VN086501.D	05 May 2025 21:14	JC\MD	Ok
26	VSTDCCC050	VN086502.D	05 May 2025 21:38	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086503.D	06 May 2025 09:13	JC\MD	Ok
2	VSTDCCC050	VN086504.D	06 May 2025 10:35	JC\MD	Ok,M
3	VN0506MBL01	VN086505.D	06 May 2025 11:11	JC\MD	Ok
4	VN0506WBL01	VN086506.D	06 May 2025 11:35	JC\MD	Ok
5	VN0506WBS01	VN086507.D	06 May 2025 11:59	JC\MD	Ok,M
6	VN0506WBSD01	VN086508.D	06 May 2025 12:34	JC\MD	Ok,M
7	Q1947-04	VN086509.D	06 May 2025 12:58	JC\MD	Ok
8	Q1947-08	VN086510.D	06 May 2025 13:22	JC\MD	Ok
9	Q1951-04	VN086511.D	06 May 2025 13:46	JC\MD	Ok,M
10	Q1956-05	VN086512.D	06 May 2025 14:11	JC\MD	Ok,M
11	Q1959-02	VN086513.D	06 May 2025 14:35	JC\MD	Ok,M
12	Q1960-03	VN086514.D	06 May 2025 14:59	JC\MD	Ok,M
13	VN0506MBS01	VN086515.D	06 May 2025 15:23	JC\MD	Ok,M
14	VN0506MBSD01	VN086516.D	06 May 2025 15:47	JC\MD	Ok,M
15	Q1939-03	VN086517.D	06 May 2025 16:11	JC\MD	ReRun
16	Q1914-06ME	VN086518.D	06 May 2025 16:35	JC\MD	Ok
17	Q1914-07ME	VN086519.D	06 May 2025 16:59	JC\MD	Dilution
18	Q1914-08	VN086520.D	06 May 2025 17:23	JC\MD	Dilution
19	Q1914-09ME	VN086521.D	06 May 2025 17:48	JC\MD	Dilution
20	Q1966-03	VN086522.D	06 May 2025 18:12	JC\MD	ReRun
21	IBLK	VN086523.D	06 May 2025 18:36	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VN086524.D	06 May 2025 19:00	JC\MD	Ok
23	IBLK	VN086525.D	06 May 2025 19:24	JC\MD	Ok
24	VSTDCCC050	VN086526.D	06 May 2025 19:48	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050925

Review By	John Carlone	Review On	5/12/2025 9:52:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/12/2025 1:58:31 PM		
SubDirectory	VN050925	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133876
Initial Calibration Stds	
CCC	VP133877,VP133878
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086552.D	09 May 2025 09:49	JC\MD	Ok
2	VSTDCCC050	VN086553.D	09 May 2025 11:00	JC\MD	Ok,M
3	VN0509MBL01	VN086554.D	09 May 2025 11:34	JC\MD	Ok
4	VN0509WBL01	VN086555.D	09 May 2025 11:58	JC\MD	Ok
5	VN0509MBS01	VN086556.D	09 May 2025 12:22	JC\MD	Not Ok
6	VN0509MBS02	VN086557.D	09 May 2025 12:57	JC\MD	Ok,M
7	Q1939-03RE	VN086558.D	09 May 2025 13:31	JC\MD	Confirms
8	Q1980-04	VN086559.D	09 May 2025 13:55	JC\MD	Dilution
9	Q1980-05	VN086560.D	09 May 2025 14:19	JC\MD	ReRun
10	IBLK	VN086561.D	09 May 2025 14:43	JC\MD	Ok
11	IBLK	VN086562.D	09 May 2025 15:07	JC\MD	Ok
12	Q1980-04DL	VN086563.D	09 May 2025 15:31	JC\MD	Dilution
13	IBLK	VN086564.D	09 May 2025 16:08	JC\MD	Ok
14	IBLK	VN086565.D	09 May 2025 16:32	JC\MD	Ok
15	Q1980-05	VN086566.D	09 May 2025 16:56	JC\MD	Ok
16	Q1980-04DL2	VN086567.D	09 May 2025 17:20	JC\MD	Ok
17	VSTDCCC050	VN086568.D	09 May 2025 17:44	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM				
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022118.D	02 May 2025 10:26	SY/MD	Ok
2	VSTDCCC050	VY022119.D	02 May 2025 10:56	SY/MD	Ok,M
3	VY0502SBL01	VY022120.D	02 May 2025 11:25	SY/MD	Ok
4	VY0502SBS01	VY022121.D	02 May 2025 11:53	SY/MD	Ok,M
5	VY0502SBSD01	VY022122.D	02 May 2025 12:16	SY/MD	Ok,M
6	Q1923-01RE	VY022123.D	02 May 2025 12:53	SY/MD	Confirms
7	Q1933-01	VY022124.D	02 May 2025 13:17	SY/MD	ReRun
8	Q1932-01	VY022125.D	02 May 2025 13:40	SY/MD	Ok
9	Q1932-03	VY022126.D	02 May 2025 14:04	SY/MD	Ok
10	Q1932-05	VY022127.D	02 May 2025 14:27	SY/MD	Ok
11	Q1932-07	VY022128.D	02 May 2025 14:51	SY/MD	Ok
12	Q1928-03	VY022129.D	02 May 2025 15:14	SY/MD	Ok
13	Q1935-03	VY022130.D	02 May 2025 15:37	SY/MD	Ok
14	Q1935-07	VY022131.D	02 May 2025 16:01	SY/MD	Ok
15	Q1939-01	VY022132.D	02 May 2025 16:24	SY/MD	Ok
16	Q1939-02	VY022133.D	02 May 2025 16:48	SY/MD	Ok
17	Q1939-04	VY022134.D	02 May 2025 17:11	SY/MD	Ok
18	Q1939-05	VY022135.D	02 May 2025 17:35	SY/MD	Ok
19	Q1937-02	VY022136.D	02 May 2025 17:58	SY/MD	Ok
20	Q1937-04	VY022137.D	02 May 2025 18:22	SY/MD	Ok
21	Q1937-06	VY022138.D	02 May 2025 18:45	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM				
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1937-08	VY022139.D	02 May 2025 19:09	SY/MD	Ok
23	Q1937-10	VY022140.D	02 May 2025 19:32	SY/MD	Ok
24	Q1937-12	VY022141.D	02 May 2025 19:55	SY/MD	Ok
25	Q1936-02	VY022142.D	02 May 2025 20:19	SY/MD	Ok
26	VSTDCCC050	VY022143.D	02 May 2025 20:42	SY/MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086477.D	05 May 2025 10:23		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086478.D	05 May 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0505MBL01	VN0505MBL01	VN086479.D	05 May 2025 12:13		JC\MD	Ok
4	VN0505WBL01	VN0505WBL01	VN086480.D	05 May 2025 12:38		JC\MD	Ok
5	VN0505WBS01	VN0505WBS01	VN086481.D	05 May 2025 13:02		JC\MD	Ok,M
6	VN0505WBSD01	VN0505WBSD01	VN086482.D	05 May 2025 13:36		JC\MD	Ok,M
7	IBLK	IBLK	VN086483.D	05 May 2025 14:00		JC\MD	Ok
8	Q1942-01	STORAGE-BLANK-SO	VN086484.D	05 May 2025 14:24	vial A pH<2	JC\MD	Ok
9	Q1942-02	STORAGE-BLANK-WA	VN086485.D	05 May 2025 14:48	vial A pH<2	JC\MD	Ok
10	Q1942-03	STORAGE-BLANK-WA	VN086486.D	05 May 2025 15:12	vial A pH<2	JC\MD	Ok
11	Q1942-04	STORAGE-BLANK-SA	VN086487.D	05 May 2025 15:36	vial A pH<2	JC\MD	Ok
12	Q1956-07	FB-05022025	VN086488.D	05 May 2025 16:00	vial A pH<2 FB	JC\MD	Ok
13	Q1929-05RE	WC-A1-03-GRE	VN086489.D	05 May 2025 16:25	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
14	Q1929-09RE	WC-A1-04-GRE	VN086490.D	05 May 2025 16:49	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	VN0505MBS01	VN0505MBS01	VN086491.D	05 May 2025 17:13		JC\MD	Ok,M
16	VN0505MBSD01	VN0505MBSD01	VN086492.D	05 May 2025 17:37		JC\MD	Ok,M
17	Q1914-06ME	SS-5ME	VN086493.D	05 May 2025 18:01	run straight meoh	JC\MD	Not Ok
18	Q1914-07MEDL	SS-6MEDL	VN086494.D	05 May 2025 18:25		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1914-08DL	SS-7DL	VN086495.D	05 May 2025 18:49		JC\MD	Ok
20	Q1914-09MEDL	SS-8MEDL	VN086496.D	05 May 2025 19:14		JC\MD	Ok
21	Q1914-12	SS-9	VN086497.D	05 May 2025 19:38	run soil	JC\MD	Not Ok
22	IBLK	IBLK	VN086498.D	05 May 2025 20:02		JC\MD	Ok
23	Q1939-03	GB2	VN086499.D	05 May 2025 20:26	Need Straight Run	JC\MD	Not Ok
24	Q1939-06	GB3B	VN086500.D	05 May 2025 20:50	vial C	JC\MD	Ok
25	IBLK	IBLK	VN086501.D	05 May 2025 21:14		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN086502.D	05 May 2025 21:38		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086503.D	06 May 2025 09:13		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086504.D	06 May 2025 10:35	CCC Failed Low For Com.#17,31	JC\MD	Ok,M
3	VN0506MBL01	VN0506MBL01	VN086505.D	06 May 2025 11:11		JC\MD	Ok
4	VN0506WBL01	VN0506WBL01	VN086506.D	06 May 2025 11:35		JC\MD	Ok
5	VN0506WBS01	VN0506WBS01	VN086507.D	06 May 2025 11:59		JC\MD	Ok,M
6	VN0506WBSD01	VN0506WBSD01	VN086508.D	06 May 2025 12:34		JC\MD	Ok,M
7	Q1947-04	MH-P	VN086509.D	06 May 2025 12:58	vial A pH#5.0	JC\MD	Ok
8	Q1947-08	MH-O	VN086510.D	06 May 2025 13:22	vial A pH#5.0	JC\MD	Ok
9	Q1951-04	MH-KK	VN086511.D	06 May 2025 13:46	vial A pH#5.0	JC\MD	Ok,M
10	Q1956-05	COMP1	VN086512.D	06 May 2025 14:11	vial A pH#5.0	JC\MD	Ok,M
11	Q1959-02	SOIL-PILE	VN086513.D	06 May 2025 14:35	vial A pH#5.0	JC\MD	Ok,M
12	Q1960-03	72-11933	VN086514.D	06 May 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
13	VN0506MBS01	VN0506MBS01	VN086515.D	06 May 2025 15:23		JC\MD	Ok,M
14	VN0506MBSD01	VN0506MBSD01	VN086516.D	06 May 2025 15:47		JC\MD	Ok,M
15	Q1939-03	GB2	VN086517.D	06 May 2025 16:11	vial C, CCC Failed Low	JC\MD	ReRun
16	Q1914-06ME	SS-5ME	VN086518.D	06 May 2025 16:35		JC\MD	Ok
17	Q1914-07ME	SS-6ME	VN086519.D	06 May 2025 16:59	Need 20X	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1914-08	SS-7	VN086520.D	06 May 2025 17:23	Need 20X	JC\MD	Dilution
19	Q1914-09ME	SS-8ME	VN086521.D	06 May 2025 17:48	Need 20X	JC\MD	Dilution
20	Q1966-03	SILICA-GEL	VN086522.D	06 May 2025 18:12	CCC Failed Low,Run@ Lower Dilution	JC\MD	ReRun
21	IBLK	IBLK	VN086523.D	06 May 2025 18:36		JC\MD	Ok
22	IBLK	IBLK	VN086524.D	06 May 2025 19:00		JC\MD	Ok
23	IBLK	IBLK	VN086525.D	06 May 2025 19:24		JC\MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VN086526.D	06 May 2025 19:48		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050925

Review By	John Carlone	Review On	5/12/2025 9:52:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/12/2025 1:58:31 PM		
SubDirectory	VN050925	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133876
Initial Calibration Stds	
CCC	VP133877,VP133878
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086552.D	09 May 2025 09:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086553.D	09 May 2025 11:00	CCAL failed low for comp. #31	JC\MD	Ok,M
3	VN0509MBL01	VN0509MBL01	VN086554.D	09 May 2025 11:34		JC\MD	Ok
4	VN0509WBL01	VN0509WBL01	VN086555.D	09 May 2025 11:58		JC\MD	Ok
5	VN0509MBS01	VN0509MBS01	VN086556.D	09 May 2025 12:22	Recovery fail	JC\MD	Not Ok
6	VN0509MBS02	VN0509MBS02	VN086557.D	09 May 2025 12:57		JC\MD	Ok,M
7	Q1939-03RE	GB2RE	VN086558.D	09 May 2025 13:31	vial C, CCAL Failed Low	JC\MD	Confirms
8	Q1980-04	3848	VN086559.D	09 May 2025 13:55	Need 40X	JC\MD	Dilution
9	Q1980-05	3837	VN086560.D	09 May 2025 14:19	E flag of previous sample	JC\MD	ReRun
10	IBLK	IBLK	VN086561.D	09 May 2025 14:43		JC\MD	Ok
11	IBLK	IBLK	VN086562.D	09 May 2025 15:07		JC\MD	Ok
12	Q1980-04DL	3848DL	VN086563.D	09 May 2025 15:31	Need 100X	JC\MD	Dilution
13	IBLK	IBLK	VN086564.D	09 May 2025 16:08		JC\MD	Ok
14	IBLK	IBLK	VN086565.D	09 May 2025 16:32		JC\MD	Ok
15	Q1980-05	3837	VN086566.D	09 May 2025 16:56	cloth material	JC\MD	Ok
16	Q1980-04DL2	3848DL2	VN086567.D	09 May 2025 17:20	cloth material	JC\MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VN086568.D	09 May 2025 17:44		JC\MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM		
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022118.D	02 May 2025 10:26		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022119.D	02 May 2025 10:56		SY/MD	Ok,M
3	VY0502SBL01	VY0502SBL01	VY022120.D	02 May 2025 11:25		SY/MD	Ok
4	VY0502SBS01	VY0502SBS01	VY022121.D	02 May 2025 11:53		SY/MD	Ok,M
5	VY0502SBSD01	VY0502SBSD01	VY022122.D	02 May 2025 12:16		SY/MD	Ok,M
6	Q1923-01RE	TR-05-04302025RE	VY022123.D	02 May 2025 12:53	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1933-01	OK-01-050125	VY022124.D	02 May 2025 13:17	vial-A Internal Standard Fail	SY/MD	ReRun
8	Q1932-01	COMP-4	VY022125.D	02 May 2025 13:40	vial-A	SY/MD	Ok
9	Q1932-03	COMP-5	VY022126.D	02 May 2025 14:04	vial-A	SY/MD	Ok
10	Q1932-05	COMP-6	VY022127.D	02 May 2025 14:27	vial-A	SY/MD	Ok
11	Q1932-07	COMP-7	VY022128.D	02 May 2025 14:51	vial-A	SY/MD	Ok
12	Q1928-03	MH-Q-VOC	VY022129.D	02 May 2025 15:14	vial-A	SY/MD	Ok
13	Q1935-03	MH-NN-VOC	VY022130.D	02 May 2025 15:37	vial-A	SY/MD	Ok
14	Q1935-07	MH-MM-VOC	VY022131.D	02 May 2025 16:01	vial-A	SY/MD	Ok
15	Q1939-01	GB1	VY022132.D	02 May 2025 16:24	vial-A	SY/MD	Ok
16	Q1939-02	GB1B	VY022133.D	02 May 2025 16:48	vial-A	SY/MD	Ok
17	Q1939-04	GB2B	VY022134.D	02 May 2025 17:11	vial-A	SY/MD	Ok
18	Q1939-05	GB3	VY022135.D	02 May 2025 17:35	vial-A	SY/MD	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM		
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1937-02	LARGE-PILE-A	VY022136.D	02 May 2025 17:58	vial-A	SY/MD	Ok
20	Q1937-04	LARGE-PILE-B	VY022137.D	02 May 2025 18:22	vial-A	SY/MD	Ok
21	Q1937-06	LARGE-PILE-C	VY022138.D	02 May 2025 18:45	vial-A	SY/MD	Ok
22	Q1937-08	LARGE-PILE-D	VY022139.D	02 May 2025 19:09	vial-A	SY/MD	Ok
23	Q1937-10	LARGE-PILE-E	VY022140.D	02 May 2025 19:32	vial-A	SY/MD	Ok
24	Q1937-12	LARGE-PILE-F	VY022141.D	02 May 2025 19:55	vial-A	SY/MD	Ok
25	Q1936-02	SMALL-PILE-A	VY022142.D	02 May 2025 20:19	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022143.D	02 May 2025 20:42		SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q1939	**OrderDate:**	5/1/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Amsterdam
Contact:	Gary Landis	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-01	**GB1**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-02	**GB1B**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-03	**GB2**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/06/25	
Q1939-03RE	**GB2RE**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/09/25	
Q1939-04	**GB2B**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-05	**GB3**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-06	**GB3B**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/05/25	