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

Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW4**								
Q3274-01	MW4	Water	Cyclohexane		130		1.50	5.00	ug/L
Q3274-01	MW4	Water	Methylcyclohexane		360	E	0.16	5.00	ug/L
Q3274-01	MW4	Water	Benzene		3.80	J	0.15	5.00	ug/L
Q3274-01	MW4	Water	Toluene		1.50	J	0.14	5.00	ug/L
Q3274-01	MW4	Water	Ethyl Benzene		12.4		0.13	5.00	ug/L
Q3274-01	MW4	Water	m/p-Xylenes		2.10	J	0.24	10.0	ug/L
Q3274-01	MW4	Water	Isopropylbenzene		20.2		0.12	5.00	ug/L
			Total Voc :		530				
Q3274-01	MW4	Water	Cyclopentane, methyl-	*	50.4	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 1,4-diethyl-	*	54.6	J	0	0	ug/L
Q3274-01	MW4	Water	Pentane, 2-methyl-	*	54.1	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 1,2,3,4-tetramethyl-	*	87.8	J	0	0	ug/L
Q3274-01	MW4	Water	Cyclopentane, 1,2-dimethyl-, tr	*	50.9	J	0	0	ug/L
Q3274-01	MW4	Water	1H-Indene, 2,3-dihydro-5-meth	*	150	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	140	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 2-ethenyl-1,4-dimeth	*	73.0	J	0	0	ug/L
Q3274-01	MW4	Water	Cyclopentane, 1,3-dimethyl-, ci	*	41.6	J	0	0	ug/L
Q3274-01	MW4	Water	1H-Indene, 2,3-dihydro-1,3-din	*	53.1	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 1-ethenyl-3-ethyl-	*	98.0	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, (2-methyl-1-butenyl)-	*	49.3	J	0	0	ug/L
Q3274-01	MW4	Water	n-propylbenzene	*	62.7	J	0.13	5.00	ug/L
Q3274-01	MW4	Water	tert-Butylbenzene	*	1.90	J	0.14	5.00	ug/L
Q3274-01	MW4	Water	sec-Butylbenzene	*	13.2	J	0.13	5.00	ug/L
Q3274-01	MW4	Water	p-Isopropyltoluene	*	1.90	J	0.13	5.00	ug/L
Q3274-01	MW4	Water	n-Butylbenzene	*	19.4	J	0.15	5.00	ug/L
			Total Tics :		1000				
			Total Concentration:		1530				
Client ID:	**MW4DL**								
Q3274-01DL	MW4DL	Water	Cyclohexane		190	D	14.5	50.0	ug/L
Q3274-01DL	MW4DL	Water	Methylcyclohexane		450	D	1.60	50.0	ug/L
Q3274-01DL	MW4DL	Water	Benzene		5.40	JD	1.50	50.0	ug/L
Q3274-01DL	MW4DL	Water	Ethyl Benzene		15.6	JD	1.30	50.0	ug/L
Q3274-01DL	MW4DL	Water	Isopropylbenzene		24.9	JD	1.20	50.0	ug/L
			Total Voc :		686				
			Total Concentration:		686				
Client ID:	**MW5**								

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Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3274-02	MW5	Water	Acetone		180		1.50	25.0	ug/L
Q3274-02	MW5	Water	Cyclohexane		260	E	1.50	5.00	ug/L
Q3274-02	MW5	Water	2-Butanone		5.20	J	0.98	25.0	ug/L
Q3274-02	MW5	Water	Methylcyclohexane		220	E	0.16	5.00	ug/L
Q3274-02	MW5	Water	Benzene		75.1		0.15	5.00	ug/L
Q3274-02	MW5	Water	Toluene		7.10		0.14	5.00	ug/L
Q3274-02	MW5	Water	Ethyl Benzene		20.3		0.13	5.00	ug/L
Q3274-02	MW5	Water	m/p-Xylenes		11.4		0.24	10.0	ug/L
Q3274-02	MW5	Water	o-Xylene		3.50	J	0.12	5.00	ug/L
Q3274-02	MW5	Water	Isopropylbenzene		58.0		0.12	5.00	ug/L
			Total Voc :		841				
Q3274-02	MW5	Water	Cyclopentane, methyl-	*	64.1	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 1,4-diethyl-	*	37.3	J	0	0	ug/L
Q3274-02	MW5	Water	Pentane, 2-methyl-	*	36.9	J	0	0	ug/L
Q3274-02	MW5	Water	Indane	*	120	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 1,2,3,5-tetramethyl-	*	70.7	J	0	0	ug/L
Q3274-02	MW5	Water	Isopropylcyclobutane	*	32.3	J	0	0	ug/L
Q3274-02	MW5	Water	1H-Indene, 2,3-dihydro-5-meth	*	190	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 1-ethyl-2,3-dimethyl-	*	100	J	0	0	ug/L
Q3274-02	MW5	Water	Cyclobutane, (1-methylethylide	*	29.5	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 2-ethenyl-1,4-dimeth	*	68.8	J	0	0	ug/L
Q3274-02	MW5	Water	1H-Indene, 2,3-dihydro-1,3-din	*	42.2	J	0	0	ug/L
Q3274-02	MW5	Water	n-propylbenzene	*	110	J	0.13	5.00	ug/L
Q3274-02	MW5	Water	tert-Butylbenzene	*	1.70	J	0.14	5.00	ug/L
Q3274-02	MW5	Water	1,2,4-Trimethylbenzene	*	0.69	J	0.14	5.00	ug/L
Q3274-02	MW5	Water	sec-Butylbenzene	*	10.3	J	0.13	5.00	ug/L
Q3274-02	MW5	Water	p-Isopropyltoluene	*	1.90	J	0.13	5.00	ug/L
Q3274-02	MW5	Water	n-Butylbenzene	*	15.6	J	0.15	5.00	ug/L
			Total Tics :		932				
			Total Concentration:		1770				
Client ID:	**MW5DL**								
Q3274-02DL	MW5DL	Water	Acetone		270	D	7.60	130	ug/L
Q3274-02DL	MW5DL	Water	Cyclohexane		320	D	7.30	25.0	ug/L
Q3274-02DL	MW5DL	Water	Methylcyclohexane		240	D	0.80	25.0	ug/L
Q3274-02DL	MW5DL	Water	Benzene		96.1	D	0.75	25.0	ug/L
Q3274-02DL	MW5DL	Water	Toluene		9.00	JD	0.70	25.0	ug/L
Q3274-02DL	MW5DL	Water	Ethyl Benzene		23.8	JD	0.65	25.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3274-02DL	MW5DL	Water	m/p-Xylenes	14.3	JD	1.20	50.0	ug/L
Q3274-02DL	MW5DL	Water	Isopropylbenzene	67.4	D	0.60	25.0	ug/L
			Total Voc :	1040				
			Total Concentration:	1040				

SAMPLE DATA

Raw Data: **VN088021.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088021.D	1	10/03/25 14:17	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	130		1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	360	E	0.16	5.00	ug/L
71-43-2	Benzene	3.80	J	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	1.50	J	0.14	5.00	ug/L

Raw Data: **VN088021.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088021.D	1	10/03/25 14:17	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	12.4		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	2.10	J	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	8.212			
540-36-3	1,4-Difluorobenzene	577000	9.082			
3114-55-4	Chlorobenzene-d5	583000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	297000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088021.D	1	10/03/25 14:17	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	54.1	J		5.33	ug/L
000096-37-7	Cyclopentane, methyl-	50.4	J		7.31	ug/L
002532-58-3	Cyclopentane, 1,3-dimethyl-, cis-	41.6	J		8.70	ug/L
000822-50-4	Cyclopentane, 1,2-dimethyl-, trans	50.9	J		8.84	ug/L
103-65-1	n-propylbenzene	62.7	J		13.0	ug/L
98-06-6	tert-Butylbenzene	1.90	J		13.4	ug/L
135-98-8	sec-Butylbenzene	13.2	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	1.90	J		13.7	ug/L
000105-05-5	Benzene, 1,4-diethyl-	54.6	J		13.9	ug/L
104-51-8	n-Butylbenzene	19.4	J		14.0	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	140	J		14.3	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	98.0	J		14.4	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	87.8	J		14.6	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	73.0	J		14.9	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	150	J		15.0	ug/L
004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethy	53.1	J		15.3	ug/L
056253-64-6	Benzene, (2-methyl-1-butenyl)-	49.3	J		15.4	ug/L

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: **VN088027.D**

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

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088027.D	10	10/03/25 16:37	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	UD	2.20	50.0	ug/L
74-87-3	Chloromethane	3.20	UD	3.20	50.0	ug/L
75-01-4	Vinyl Chloride	2.60	UD	2.60	50.0	ug/L
74-83-9	Bromomethane	14.4	UD	14.4	50.0	ug/L
75-00-3	Chloroethane	4.70	UD	4.70	50.0	ug/L
75-69-4	Trichlorofluoromethane	3.30	UD	3.30	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	UD	2.30	50.0	ug/L
67-64-1	Acetone	15.1	UD	15.1	250	ug/L
75-15-0	Carbon Disulfide	2.10	UD	2.10	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	1.60	UD	1.60	50.0	ug/L
79-20-9	Methyl Acetate	2.70	UD	2.70	50.0	ug/L
75-09-2	Methylene Chloride	2.80	UD	2.80	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.30	UD	2.30	50.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	50.0	ug/L
110-82-7	Cyclohexane	190	D	14.5	50.0	ug/L
78-93-3	2-Butanone	9.80	UD	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90	UD	1.90	50.0	ug/L
74-97-5	Bromochloromethane	2.20	UD	2.20	50.0	ug/L
67-66-3	Chloroform	2.50	UD	2.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	50.0	ug/L
108-87-2	Methylcyclohexane	450	D	1.60	50.0	ug/L
71-43-2	Benzene	5.40	JD	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	UD	0.93	50.0	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	2.00	50.0	ug/L
75-27-4	Bromodichloromethane	2.20	UD	2.20	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	6.80	UD	6.80	250	ug/L
108-88-3	Toluene	1.40	UD	1.40	50.0	ug/L

Raw Data: **VN088027.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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088027.D	10	10/03/25 16:37	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.70	UD	1.70	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.60	UD	1.60	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	50.0	ug/L
591-78-6	2-Hexanone	8.90	UD	8.90	250	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	50.0	ug/L
106-93-4	1,2-Dibromoethane	1.50	UD	1.50	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	UD	1.20	50.0	ug/L
100-41-4	Ethyl Benzene	15.6	JD	1.30	50.0	ug/L
179601-23-1	m/p-Xylenes	2.40	UD	2.40	100	ug/L
95-47-6	o-Xylene	1.20	UD	1.20	50.0	ug/L
100-42-5	Styrene	1.50	UD	1.50	50.0	ug/L
75-25-2	Bromoform	1.90	UD	1.90	50.0	ug/L
98-82-8	Isopropylbenzene	24.9	JD	1.20	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.60	UD	2.60	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	1.60	UD	1.60	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	1.90	UD	1.90	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.60	UD	1.60	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UD	5.30	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	2.00	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	8.206			
540-36-3	1,4-Difluorobenzene	426000	9.082			
3114-55-4	Chlorobenzene-d5	420000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	205000	13.77			

Raw Data: **VN088027.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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088027.D	10	10/03/25 16:37	VN100325

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: **VN088022.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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5	SDG No.:	Q3274
Lab Sample ID:	Q3274-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088022.D	1	10/03/25 14:38	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	180		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	260	E	1.50	5.00	ug/L
78-93-3	2-Butanone	5.20	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	220	E	0.16	5.00	ug/L
71-43-2	Benzene	75.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	7.10		0.14	5.00	ug/L

Raw Data: **VN088022.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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5	SDG No.:	Q3274
Lab Sample ID:	Q3274-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088022.D	1	10/03/25 14:38	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	11.4		0.24	10.0	ug/L
95-47-6	o-Xylene	3.50	J	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	58.0		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	43.3		70 (75) - 130 (124)	87%	SPK: 50
2037-26-5	Toluene-d8	45.8		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	274000	8.206			
540-36-3	1,4-Difluorobenzene	584000	9.082			
3114-55-4	Chlorobenzene-d5	570000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	295000	13.77			
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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5	SDG No.:	Q3274
Lab Sample ID:	Q3274-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088022.D	1	10/03/25 14:38	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	36.9	J		5.34	ug/L
000096-37-7	Cyclopentane, methyl-	64.1	J		7.31	ug/L
000872-56-0	Isopropylcyclobutane	32.3	J		8.84	ug/L
001528-22-9	Cyclobutane, (1-methylethylidene)-	29.5	J		10.1	ug/L
103-65-1	n-propylbenzene	110	J		13.0	ug/L
98-06-6	tert-Butylbenzene	1.70	J		13.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.69	J		13.5	ug/L
135-98-8	sec-Butylbenzene	10.3	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	1.90	J		13.7	ug/L
000105-05-5	Benzene, 1,4-diethyl-	37.3	J		13.9	ug/L
000496-11-7	Indane	120	J		14.0	ug/L
104-51-8	n-Butylbenzene	15.6	J		14.0	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	100	J		14.3	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	70.7	J		14.6	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	68.8	J		14.9	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	190	J		15.0	ug/L
004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethy	42.2	J		15.3	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088026.D	5	10/03/25 16:16	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UD	1.10	25.0	ug/L
74-87-3	Chloromethane	1.60	UD	1.60	25.0	ug/L
75-01-4	Vinyl Chloride	1.30	UD	1.30	25.0	ug/L
74-83-9	Bromomethane	7.20	UD	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	UD	2.40	25.0	ug/L
75-69-4	Trichlorofluoromethane	1.70	UD	1.70	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UD	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	1.20	UD	1.20	25.0	ug/L
67-64-1	Acetone	270	D	7.60	130	ug/L
75-15-0	Carbon Disulfide	1.10	UD	1.10	25.0	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	UD	0.80	25.0	ug/L
79-20-9	Methyl Acetate	1.40	UD	1.40	25.0	ug/L
75-09-2	Methylene Chloride	1.40	UD	1.40	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	UD	1.20	25.0	ug/L
75-34-3	1,1-Dichloroethane	1.20	UD	1.20	25.0	ug/L
110-82-7	Cyclohexane	320	D	7.30	25.0	ug/L
78-93-3	2-Butanone	4.90	UD	4.90	130	ug/L
56-23-5	Carbon Tetrachloride	1.30	UD	1.30	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	UD	0.95	25.0	ug/L
74-97-5	Bromochloromethane	1.10	UD	1.10	25.0	ug/L
67-66-3	Chloroform	1.30	UD	1.30	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UD	1.00	25.0	ug/L
108-87-2	Methylcyclohexane	240	D	0.80	25.0	ug/L
71-43-2	Benzene	96.1	D	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	1.10	UD	1.10	25.0	ug/L
79-01-6	Trichloroethene	0.47	UD	0.47	25.0	ug/L
78-87-5	1,2-Dichloropropane	1.00	UD	1.00	25.0	ug/L
75-27-4	Bromodichloromethane	1.10	UD	1.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	UD	3.40	130	ug/L
108-88-3	Toluene	9.00	JD	0.70	25.0	ug/L

Raw Data: **VN088026.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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088026.D	5	10/03/25 16:16	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	UD	0.85	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	UD	0.80	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	UD	1.10	25.0	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	130	ug/L
124-48-1	Dibromochloromethane	0.90	UD	0.90	25.0	ug/L
106-93-4	1,2-Dibromoethane	0.75	UD	0.75	25.0	ug/L
127-18-4	Tetrachloroethene	1.20	UD	1.20	25.0	ug/L
108-90-7	Chlorobenzene	0.60	UD	0.60	25.0	ug/L
100-41-4	Ethyl Benzene	23.8	JD	0.65	25.0	ug/L
179601-23-1	m/p-Xylenes	14.3	JD	1.20	50.0	ug/L
95-47-6	o-Xylene	0.60	UD	0.60	25.0	ug/L
100-42-5	Styrene	0.75	UD	0.75	25.0	ug/L
75-25-2	Bromoform	0.95	UD	0.95	25.0	ug/L
98-82-8	Isopropylbenzene	67.4	D	0.60	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	UD	1.30	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	UD	0.80	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	UD	0.95	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	UD	0.80	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	2.70	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	UD	1.00	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	8.206			
540-36-3	1,4-Difluorobenzene	431000	9.082			
3114-55-4	Chlorobenzene-d5	412000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.77			

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:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088026.D	5	10/03/25 16:16	VN100325

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

QC SUMMARY

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

SDG No.: Q3274

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3274-01	MW4	1,2-Dichloroethane-d4	50	52.3	105		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	49.9	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106		70 (77)	130 (121)
Q3274-01DL	MW4DL	1,2-Dichloroethane-d4	50	53.8	108		70 (74)	130 (125)
		Dibromofluoromethane	50	47.3	95		70 (75)	130 (124)
		Toluene-d8	50	49.5	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.7	101		70 (77)	130 (121)
Q3274-02	MW5	1,2-Dichloroethane-d4	50	49.4	99		70 (74)	130 (125)
		Dibromofluoromethane	50	43.3	87		70 (75)	130 (124)
		Toluene-d8	50	45.8	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98		70 (77)	130 (121)
Q3274-02DL	MW5DL	1,2-Dichloroethane-d4	50	52.1	104		70 (74)	130 (125)
		Dibromofluoromethane	50	47.1	94		70 (75)	130 (124)
		Toluene-d8	50	49.6	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.7	101		70 (77)	130 (121)
VN1003WBL01	VN1003WBL01	1,2-Dichloroethane-d4	50	57.1	114		70 (74)	130 (125)
		Dibromofluoromethane	50	47.8	96		70 (75)	130 (124)
		Toluene-d8	50	47.2	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.0	84		70 (77)	130 (121)
VN1003WBS01	VN1003WBS01	1,2-Dichloroethane-d4	50	52.0	104		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	49.8	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.8	98		70 (77)	130 (121)
VN1003WBSD0	VN1003WBSD01	1,2-Dichloroethane-d4	50	47.4	95		70 (74)	130 (125)
		Dibromofluoromethane	50	43.1	86		70 (75)	130 (124)
		Toluene-d8	50	44.1	88		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.4	89		70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088016.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBS01	Dichlorodifluoromethane	20	20.6	ug/L	103			40 (69)	160 (116)	
	Chloromethane	20	21.2	ug/L	106			40 (65)	160 (116)	
	Vinyl chloride	20	21.8	ug/L	109			70 (65)	130 (117)	
	Bromomethane	20	23.7	ug/L	119			40 (58)	160 (125)	
	Chloroethane	20	22.8	ug/L	114			40 (56)	160 (128)	
	Trichlorofluoromethane	20	22.1	ug/L	111			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	23.1	ug/L	116			70 (80)	130 (112)	
	1,1-Dichloroethene	20	22.3	ug/L	112			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	19.2	ug/L	96			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.7	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	25.4	ug/L	127			70 (67)	130 (125)	
	Methylene Chloride	20	21.9	ug/L	110			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	21.2	ug/L	106			70 (75)	130 (108)	
	1,1-Dichloroethane	20	22.8	ug/L	114			70 (78)	130 (112)	
	Cyclohexane	20	21.7	ug/L	109			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	21.3	ug/L	106			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	22.1	ug/L	111			70 (77)	130 (110)	
	Bromochloromethane	20	20.4	ug/L	102			70 (70)	130 (124)	
	Chloroform	20	23.3	ug/L	117			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	22.2	ug/L	111			70 (80)	130 (108)	
	Methylcyclohexane	20	19.5	ug/L	98			70 (72)	130 (115)	
	Benzene	20	21.1	ug/L	106			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.2	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	21.4	ug/L	107			70 (77)	130 (113)	
	1,2-Dichloropropane	20	22.3	ug/L	112			70 (83)	130 (111)	
	Bromodichloromethane	20	22.6	ug/L	113			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	21.5	ug/L	108			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	21.4	ug/L	107			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.7	ug/L	109			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	22.4	ug/L	112			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.1	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.4	ug/L	107			70 (81)	130 (110)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	21.5	ug/L	108			70 (82)	130 (109)	
	Ethyl Benzene	20	21.0	ug/L	105			70 (83)	130 (109)	
	m/p-Xylenes	40	42.0	ug/L	105			70 (82)	130 (110)	
	o-Xylene	20	20.7	ug/L	104			70 (83)	130 (109)	
	Styrene	20	21.3	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	20.3	ug/L	102			70 (79)	130 (109)	
	Isopropylbenzene	20	21.5	ug/L	108			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	22.5	ug/L	113			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	21.9	ug/L	110			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	21.3	ug/L	106			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	21.2	ug/L	106			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088016.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	20.4	ug/L	102			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088025.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBSD01	Dichlorodifluoromethane	20	18.2	ug/L	91	12		40 (69)	160 (116)	20 (19)
	Chloromethane	20	18.7	ug/L	94	12		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.5	ug/L	93	16		70 (65)	130 (117)	20 (19)
	Bromomethane	20	15.9	ug/L	79	40	*	40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.4	ug/L	97	16		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.4	ug/L	97	13		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	17		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.8	ug/L	99	12		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.3	ug/L	86	11		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.5	ug/L	103	6		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	24.5	ug/L	123	3		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.3	ug/L	102	8		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	10		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	20.0	ug/L	100	13		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.0	ug/L	100	9		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.7	ug/L	94	12		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.5	ug/L	98	12		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.4	ug/L	87	16		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.4	ug/L	102	14		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.1	ug/L	101	9		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.8	ug/L	94	4		70 (72)	130 (115)	20 (20)
	Benzene	20	19.2	ug/L	96	10		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.5	ug/L	93	13		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.4	ug/L	97	10		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.0	ug/L	95	16		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.7	ug/L	99	13		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	10		40 (74)	160 (118)	20 (25)
	Toluene	20	19.4	ug/L	97	11		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.5	ug/L	98	9		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	11		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	19.7	ug/L	99	12		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.8	ug/L	94	16		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.1	ug/L	96	10		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.6	ug/L	98	9		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.1	ug/L	96	8		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.0	ug/L	100	8		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.5	ug/L	98	7		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	39.4	ug/L	99	6		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.1	ug/L	96	8		70 (83)	130 (109)	20 (20)
	Styrene	20	19.8	ug/L	99	7		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.3	ug/L	92	10		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.4	ug/L	102	6		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.5	ug/L	98	12		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.6	ug/L	98	8		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.0	ug/L	100	6		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088025.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1003WBSD01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.9	ug/L	100	2		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95	7		70 (76)	130 (114)	20 (29)

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1003WBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: VN088015.D Lab Sample ID: VN1003WBL01

Date Analyzed: 10/03/2025 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
VN1003WBS01	VN1003WBS01	VN088016.D	10/03/2025
MW4	Q3274-01	VN088021.D	10/03/2025
MW5	Q3274-02	VN088022.D	10/03/2025
VN1003WBSD01	VN1003WBSD01	VN088025.D	10/03/2025
MW5DL	Q3274-02DL	VN088026.D	10/03/2025
MW4DL	Q3274-01DL	VN088027.D	10/03/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3274

Lab File ID: VN087922.D | BFB Injection Date: 09/23/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:31

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	21.1
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	6.2 (8.3) 1
176	95.0 - 101.0% of mass 174	74.2 (98.4) 1
177	5.0 - 9.0% of mass 176	4.4 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN087924.D	09/23/2025	09:33
VSTDICCC050	VSTDICCC050	VN087926.D	09/23/2025	10:15
VSTDICC100	VSTDICC100	VN087927.D	09/23/2025	10:36
VSTDICC150	VSTDICC150	VN087928.D	09/23/2025	10:56
VSTDICC020	VSTDICC020	VN087930.D	09/23/2025	11:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3274

Lab File ID: VN088012.D | BFB Injection Date: 10/03/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:34

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	21.1
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	70.4
175	5.0 - 9.0% of mass 174	6 (8.5) 1
176	95.0 - 101.0% of mass 174	67.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088013.D	10/03/2025	10:17
VN1003WBL01	VN1003WBL01	VN088015.D	10/03/2025	11:11
VN1003WBS01	VN1003WBS01	VN088016.D	10/03/2025	12:07
MW4	Q3274-01	VN088021.D	10/03/2025	14:17
MW5	Q3274-02	VN088022.D	10/03/2025	14:38
VN1003WBSD01	VN1003WBSD01	VN088025.D	10/03/2025	15:55
MW5DL	Q3274-02DL	VN088026.D	10/03/2025	16:16
MW4DL	Q3274-01DL	VN088027.D	10/03/2025	16:37

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: VN088013.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_N Time Analyzed: 10:17

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	211900	8.21	407793	9.08	399348	11.85
UPPER LIMIT	423800	8.706	815586	9.582	798696	12.347
LOWER LIMIT	105950	7.706	203897	8.582	199674	11.347
EPA SAMPLE NO.						
MW4	261013	8.21	577276	9.08	582521	11.84
MW4DL	193443	8.21	426224	9.08	419833	11.85
MW5	274294	8.21	584137	9.08	570238	11.84
MW5DL	199029	8.21	430919	9.08	412320	11.85
VN1003WBL01	175124	8.21	396641	9.08	390371	11.84
VN1003WBS01	210745	8.21	397174	9.08	382298	11.85
VN1003WBSD01	228703	8.21	434830	9.08	402581	11.85

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: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: VN088013.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_N Time Analyzed: 10:17

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

	IS4 AREA #	RT #				
12 HOUR STD	212700	13.77				
UPPER LIMIT	425400	14.27				
LOWER LIMIT	106350	13.27				
EPA SAMPLE NO.						
MW4	296966	13.77				
MW4DL	205320	13.77				
MW5	295091	13.77				
MW5DL	199129	13.77				
VN1003WBL01	175413	13.77				
VN1003WBS01	201044	13.77				
VN1003WBSD01	206765	13.77				

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

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:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBL01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088015.D	1	10/03/25 11:11	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBL01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088015.D	1	10/03/25 11:11	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.2		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (77) - 130 (121)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	8.206			
540-36-3	1,4-Difluorobenzene	397000	9.082			
3114-55-4	Chlorobenzene-d5	390000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.77			

Raw Data: **VN088015.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBL01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088015.D	1	10/03/25 11:11	VN100325

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: **VN088016.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088016.D	1	10/03/25 12:07	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.22	5.00	ug/L
74-87-3	Chloromethane	21.2		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.26	5.00	ug/L
74-83-9	Bromomethane	23.7		1.40	5.00	ug/L
75-00-3	Chloroethane	22.8		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.1		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.1		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.3		0.23	5.00	ug/L
67-64-1	Acetone	110		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	19.2		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.7		0.16	5.00	ug/L
79-20-9	Methyl Acetate	25.4		0.27	5.00	ug/L
75-09-2	Methylene Chloride	21.9		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	22.8		0.23	5.00	ug/L
110-82-7	Cyclohexane	21.7		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.3		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.1		0.19	5.00	ug/L
74-97-5	Bromochloromethane	20.4		0.22	5.00	ug/L
67-66-3	Chloroform	23.3		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.2		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.16	5.00	ug/L
71-43-2	Benzene	21.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.22	5.00	ug/L
79-01-6	Trichloroethene	21.4		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	22.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	25.0	ug/L
108-88-3	Toluene	21.5		0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088016.D	1	10/03/25 12:07	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.4		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.7		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.4		0.21	5.00	ug/L
591-78-6	2-Hexanone	110		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.4		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	21.5		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	42.0		0.24	10.0	ug/L
95-47-6	o-Xylene	20.7		0.12	5.00	ug/L
100-42-5	Styrene	21.3		0.15	5.00	ug/L
75-25-2	Bromoform	20.3		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	21.5		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.5		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.9		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.3		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.2		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.4		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	8.206			
540-36-3	1,4-Difluorobenzene	397000	9.083			
3114-55-4	Chlorobenzene-d5	382000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.77			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088016.D	1	10/03/25 12:07	VN100325

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: **VN088025.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088025.D	1	10/03/25 15:55	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		0.22	5.00	ug/L
74-87-3	Chloromethane	18.7		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	18.5		0.26	5.00	ug/L
74-83-9	Bromomethane	15.9		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.23	5.00	ug/L
67-64-1	Acetone	100		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	17.3		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.16	5.00	ug/L
79-20-9	Methyl Acetate	24.5		0.27	5.00	ug/L
75-09-2	Methylene Chloride	20.3		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	5.00	ug/L
110-82-7	Cyclohexane	20.0		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	5.00	ug/L
74-97-5	Bromochloromethane	17.4		0.22	5.00	ug/L
67-66-3	Chloroform	20.4		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.16	5.00	ug/L
71-43-2	Benzene	19.2		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	25.0	ug/L
108-88-3	Toluene	19.4		0.14	5.00	ug/L

Raw Data: **VN088025.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088025.D	1	10/03/25 15:55	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	5.00	ug/L
591-78-6	2-Hexanone	93.8		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.24	10.0	ug/L
95-47-6	o-Xylene	19.1		0.12	5.00	ug/L
100-42-5	Styrene	19.8		0.15	5.00	ug/L
75-25-2	Bromoform	18.3		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.9		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.4		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	43.1		70 (75) - 130 (124)	86%	SPK: 50
2037-26-5	Toluene-d8	44.1		70 (86) - 130 (113)	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	229000	8.206			
540-36-3	1,4-Difluorobenzene	435000	9.082			
3114-55-4	Chlorobenzene-d5	403000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.77			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088025.D	1	10/03/25 15:55	VN100325

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: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: MSVOA_N Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:33 11:47

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

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

COMPOUND	RRF005	RRF050	RRF100	RRF150	RRF020	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.590	0.526	0.505	0.612	0.662		0.579	11
Chloromethane	0.662	0.532	0.497	0.602	0.672		0.593	13.1
Vinyl Chloride	0.656	0.553	0.516	0.613	0.686		0.605	11.7
Bromomethane	0.388	0.320	0.331	0.415	0.422		0.375	12.6
Chloroethane	0.442	0.355	0.337	0.407	0.425		0.393	11.5
Trichlorofluoromethane	1.169	0.883	0.816	0.987	1.068		0.985	14.3
1,1,2-Trichlorotrifluoroethane	0.597	0.475	0.439	0.528	0.563		0.521	12.3
1,1-Dichloroethene	0.591	0.470	0.448	0.539	0.579		0.525	12.2
Acetone	0.417	0.298	0.274	0.326	0.417		0.346	19.4
Carbon Disulfide	1.788	1.485	1.399	1.672	1.862		1.641	12
Methyl tert-butyl Ether	2.047	1.907	1.811	2.256	2.237		2.052	9.6
Methyl Acetate	0.822	0.813	0.767	0.934	0.997		0.866	11
Methylene Chloride	0.871	0.621	0.571	0.680	0.761		0.701	16.9
trans-1,2-Dichloroethene	0.758	0.570	0.542	0.654	0.695		0.644	13.8
1,1-Dichloroethane	1.315	1.057	0.984	1.206	1.268		1.166	12.1
Cyclohexane	1.163	0.827	0.758	0.951	1.020		0.944	16.9
2-Butanone	0.557	0.479	0.453	0.554	0.602		0.529	11.6
Carbon Tetrachloride	0.524	0.461	0.432	0.542	0.545		0.501	10.3
cis-1,2-Dichloroethene	0.852	0.690	0.656	0.804	0.829		0.766	11.5
Bromochloromethane	0.667	0.662	0.598	0.570	0.671		0.634	7.3
Chloroform	1.419	1.145	1.075	1.313	1.424		1.275	12.5
1,1,1-Trichloroethane	1.190	0.958	0.908	1.133	1.197		1.077	12.5
Methylcyclohexane	0.445	0.444	0.435	0.562	0.521		0.482	11.8
Benzene	1.507	1.353	1.258	1.540	1.569		1.445	9.3
1,2-Dichloroethane	0.572	0.484	0.467	0.565	0.609		0.539	11.3
Trichloroethene	0.367	0.315	0.304	0.367	0.374		0.345	9.6
1,2-Dichloropropane	0.391	0.333	0.310	0.377	0.402		0.362	10.9
Bromodichloromethane	0.581	0.521	0.489	0.597	0.616		0.561	9.6
4-Methyl-2-Pentanone	0.532	0.537	0.509	0.614	0.623		0.563	9.2
Toluene	0.897	0.848	0.811	0.998	0.981		0.907	9

* 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: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: MSVOA_N Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:33 11:47

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

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

COMPOUND	RRF005	RRF050	RRF100	RRF150	RRF020	RRF	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.556	0.528	0.518	0.650	0.617		0.574	10
cis-1,3-Dichloropropene	0.593	0.544	0.534	0.659	0.651		0.596	9.8
1,1,2-Trichloroethane	0.390	0.339	0.318	0.384	0.413		0.369	10.5
2-Hexanone	0.297	0.369	0.358	0.436	0.402		0.372	14.1
Dibromochloromethane	0.425	0.402	0.391	0.479	0.472		0.434	9.2
1,2-Dibromoethane	0.395	0.362	0.341	0.420	0.435		0.390	10
Tetrachloroethene	0.308	0.279	0.264	0.328	0.345		0.305	11
Chlorobenzene	1.057	0.951	0.940	1.153	1.218		1.064	11.5
Ethyl Benzene	1.650	1.601	1.637	2.022	1.968		1.775	11.4
m/p-Xylenes	0.612	0.637	0.615	0.767	0.765		0.679	11.8
o-Xylene	0.593	0.598	0.601	0.752	0.718		0.652	11.7
Styrene	0.906	1.063	1.061	1.312	1.260		1.120	14.7
Bromoform	0.286	0.285	0.289	0.352	0.344		0.311	10.9
Isopropylbenzene	2.660	2.804	2.859	3.653	3.518		3.099	14.6
1,1,2,2-Tetrachloroethane	1.212	0.979	0.954	1.168	1.269		1.117	12.7
1,3-Dichlorobenzene	1.689	1.403	1.409	1.745	1.798		1.609	11.7
1,4-Dichlorobenzene	1.800	1.413	1.423	1.744	1.888		1.654	13.4
1,2-Dichlorobenzene	1.591	1.357	1.358	1.673	1.776		1.551	12.2
1,2-Dibromo-3-Chloropropane	0.285	0.220	0.221	0.286	0.285		0.259	13.7
1,2,4-Trichlorobenzene	0.867	0.791	0.830	1.099	0.991		0.916	13.9
1,2,3-Trichlorobenzene	0.780	0.783	0.800	1.068	1.020		0.890	15.9
1,2-Dichloroethane-d4	0.852	0.872	0.901	0.877	0.705		0.841	9.3
Dibromofluoromethane	0.376	0.372	0.385	0.376	0.305		0.363	9
Toluene-d8	1.189	1.352	1.429	1.387	1.026		1.277	13.1
4-Bromofluorobenzene	0.432	0.476	0.511	0.496	0.367		0.456	12.8

* 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3274
Instrument ID: MSVOA_N
Calibration Date/Time: 10/03/2025 10:17
Lab File ID: VN088013.D
Init. Calib. Date(s): 09/23/2025 09/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:33 11:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.579	0.562		-2.94	20
Chloromethane	0.593	0.587	0.1	-1.01	20
Vinyl Chloride	0.605	0.613		1.32	20
Bromomethane	0.375	0.384		2.4	20
Chloroethane	0.393	0.446		13.49	20
Trichlorofluoromethane	0.985	1.069		8.53	20
1,1,2-Trichlorotrifluoroethane	0.521	0.557		6.91	20
1,1-Dichloroethene	0.525	0.558		6.29	20
Acetone	0.346	0.336		-2.89	20
Carbon Disulfide	1.641	1.536		-6.4	20
Methyl tert-butyl Ether	2.052	2.332		13.65	20
Methyl Acetate	0.866	1.141		31.75	20
Methylene Chloride	0.701	0.774		10.41	20
trans-1,2-Dichloroethene	0.644	0.688		6.83	20
1,1-Dichloroethane	1.166	1.316	0.1	12.86	20
Cyclohexane	0.944	0.941		-0.32	20
2-Butanone	0.529	0.565		6.8	20
Carbon Tetrachloride	0.501	0.526		4.99	20
cis-1,2-Dichloroethene	0.766	0.852		11.23	20
Bromochloromethane	0.634	0.609		-3.94	20
Chloroform	1.275	1.461		14.59	20
1,1,1-Trichloroethane	1.077	1.190		10.49	20
Methylcyclohexane	0.482	0.457		-5.19	20
Benzene	1.445	1.547		7.06	20
1,2-Dichloroethane	0.539	0.561		4.08	20
Trichloroethene	0.345	0.349		1.16	20
1,2-Dichloropropane	0.362	0.394		8.84	20
Bromodichloromethane	0.561	0.619		10.34	20
4-Methyl-2-Pentanone	0.563	0.636		12.97	20
Toluene	0.907	0.956		5.4	20
t-1,3-Dichloropropene	0.574	0.569		-0.87	20
cis-1,3-Dichloropropene	0.596	0.572		-4.03	20
1,1,2-Trichloroethane	0.369	0.405		9.76	20
2-Hexanone	0.372	0.431		15.86	20
Dibromochloromethane	0.434	0.476		9.68	20
1,2-Dibromoethane	0.390	0.425		8.97	20
Tetrachloroethene	0.305	0.318		4.26	20
Chlorobenzene	1.064	1.106	0.3	3.95	20

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 CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: MSVOA_N Calibration Date/Time: 10/03/2025 10:17

Lab File ID: VN088013.D Init. Calib. Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:33 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.775	1.865		5.07	20
m/p-Xylenes	0.679	0.725		6.78	20
o-Xylene	0.652	0.699		7.21	20
Styrene	1.120	1.229		9.73	20
Bromoform	0.311	0.332	0.1	6.75	20
Isopropylbenzene	3.099	3.341		7.81	20
1,1,2,2-Tetrachloroethane	1.117	1.194	0.3	6.89	20
1,3-Dichlorobenzene	1.609	1.682		4.54	20
1,4-Dichlorobenzene	1.654	1.722		4.11	20
1,2-Dichlorobenzene	1.551	1.588		2.39	20
1,2-Dibromo-3-Chloropropane	0.259	0.258		-0.39	20
1,2,4-Trichlorobenzene	0.916	0.870		-5.02	20
1,2,3-Trichlorobenzene	0.890	0.883		-0.79	20
1,2-Dichloroethane-d4	0.841	0.895		6.42	20
Dibromofluoromethane	0.363	0.362		-0.28	20
Toluene-d8	1.277	1.265		-0.94	20
4-Bromofluorobenzene	0.456	0.443		-2.85	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_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 04 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	261013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	577276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	582521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	296966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	229841	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	8.147	113	188989	45.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.180%			
50) Toluene-d8	10.541	98	735191	49.880	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.823	95	278766	52.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
31) Cyclohexane	8.241	56	638794	129.685	ug/l #	95
39) Methylcyclohexane	9.582	83	1978856	355.926	ug/l	98
40) Benzene	8.582	78	63341	3.796	ug/l	98
52) Toluene	10.612	92	15963	1.524	ug/l	89
67) Ethyl Benzene	11.941	91	255552	12.354	ug/l	98
68) m/p-Xylenes	12.047	106	16580	2.096	ug/l	85
73) Isopropylbenzene	12.670	105	371414	20.180	ug/l	100
78) n-propylbenzene	13.012	91	1443514	62.731	ug/l	100
83) tert-Butylbenzene	13.411	119	26053	1.933	ug/l	87
85) sec-Butylbenzene	13.594	105	261070	13.215	ug/l #	66
86) p-Isopropyltoluene	13.706	119	31294	1.870	ug/l	93
89) n-Butylbenzene	14.029	91	306176m	19.362	ug/l	

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

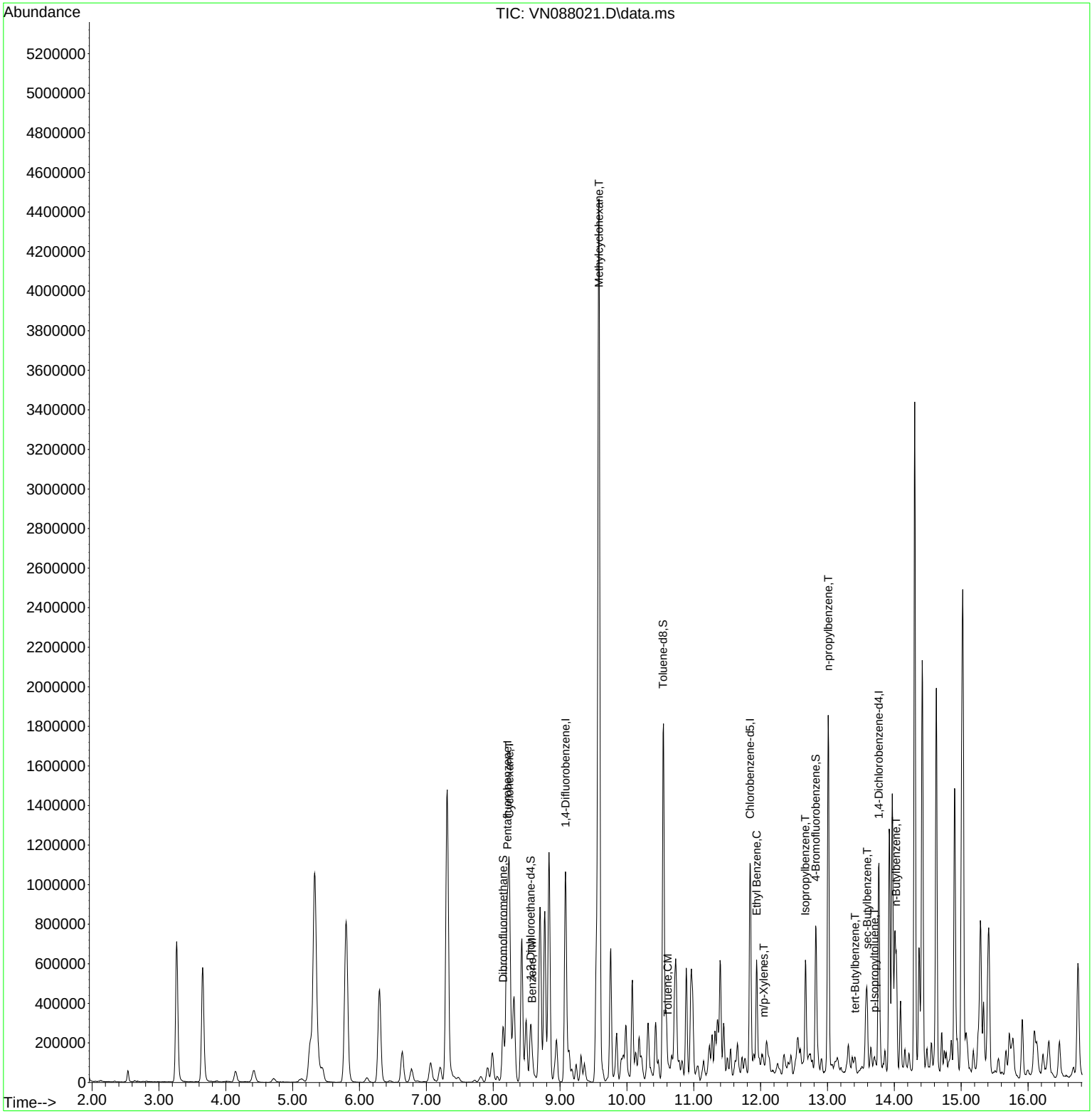
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

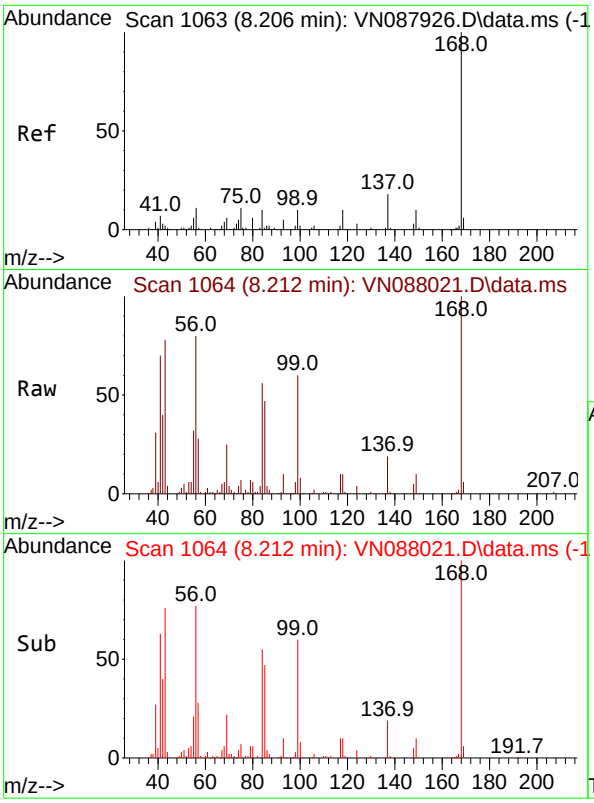
Quant Time: Oct 04 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

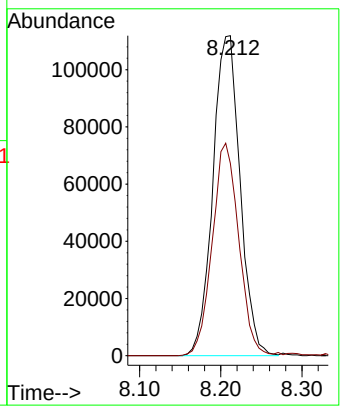




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:168 Resp: 26101

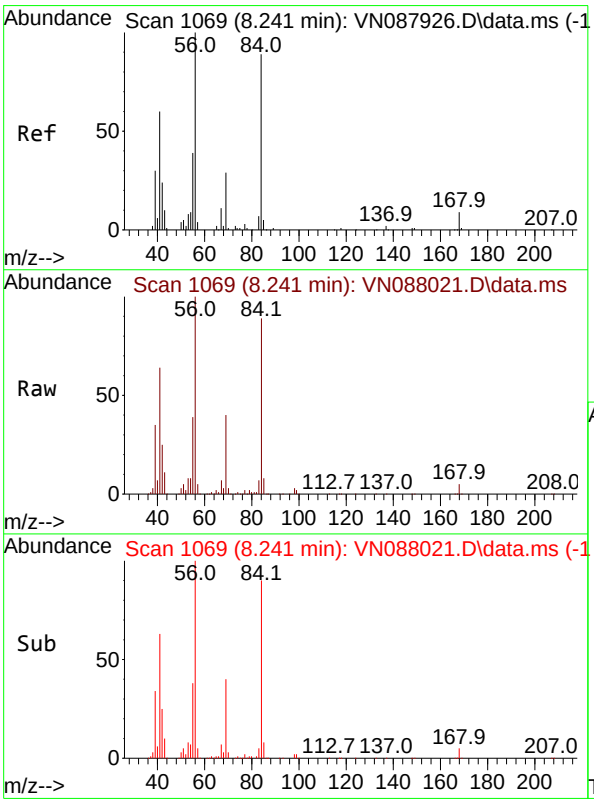
Ion	Ratio	Lower	Upper
168	100		
99	60.1	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

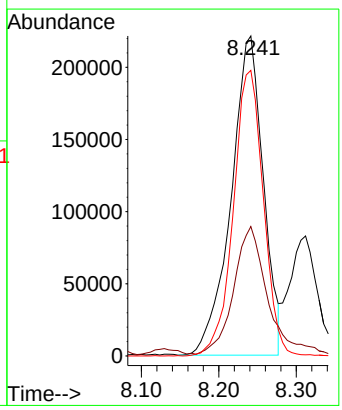
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

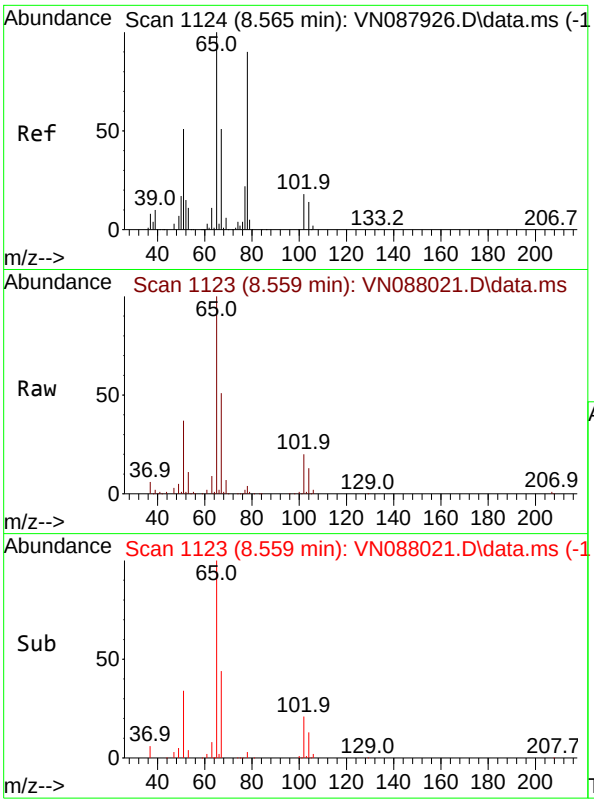


#31
Cyclohexane
Concen: 129.685 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 56 Resp: 638794

Ion	Ratio	Lower	Upper
56	100		
69	38.9	23.4	35.0#
84	89.4	70.8	106.2

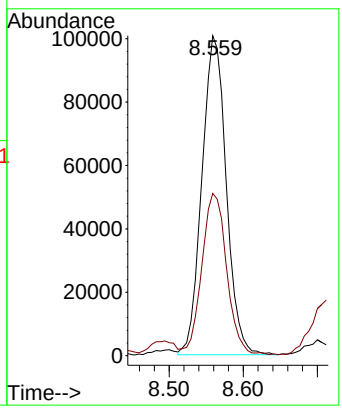




#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 8.559 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 65 Resp: 22984

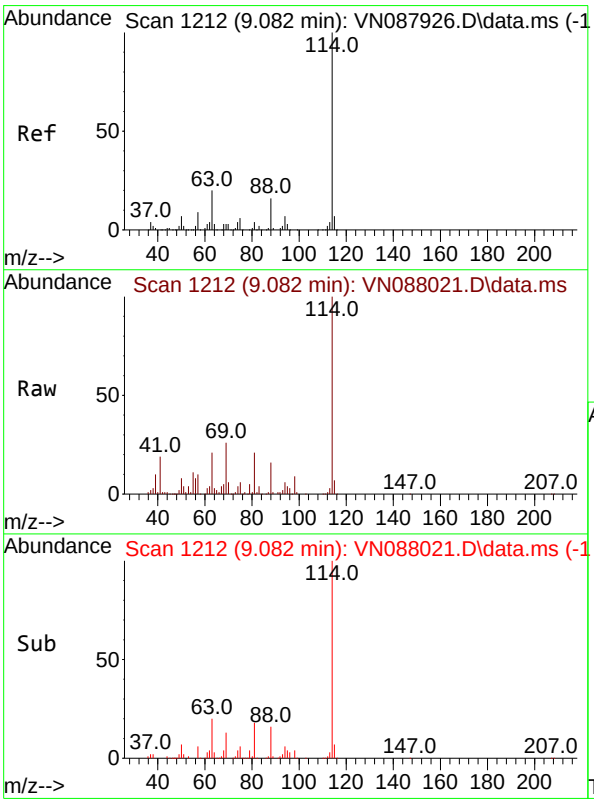
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

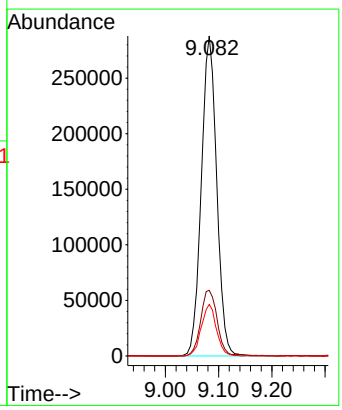
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

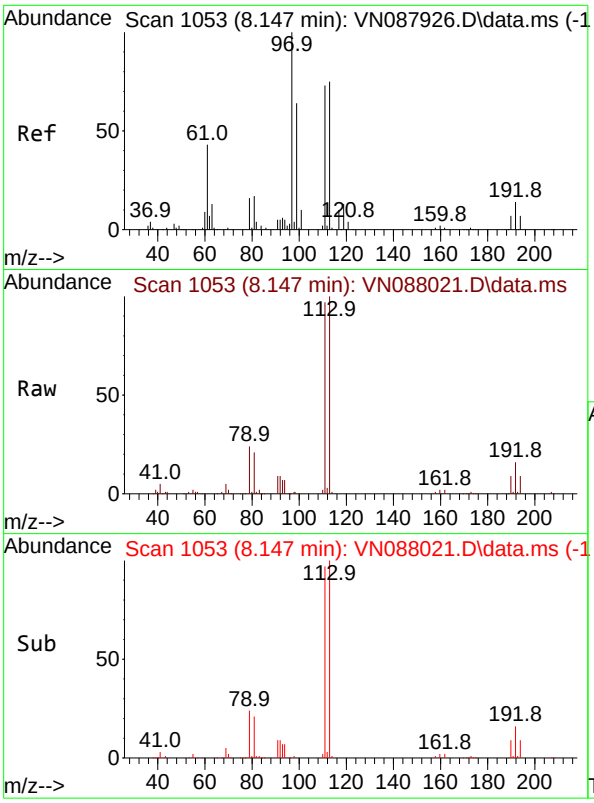


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:114 Resp: 577276

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.0
88	16.1	0.0	31.8

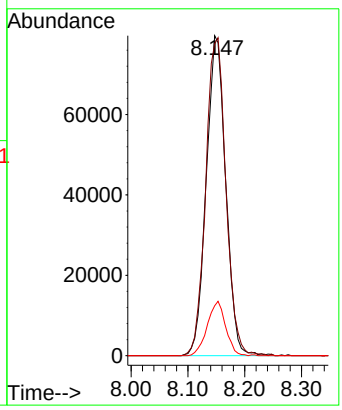




#35
Dibromofluoromethane
Concen: 45.090 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:113 Resp: 188989

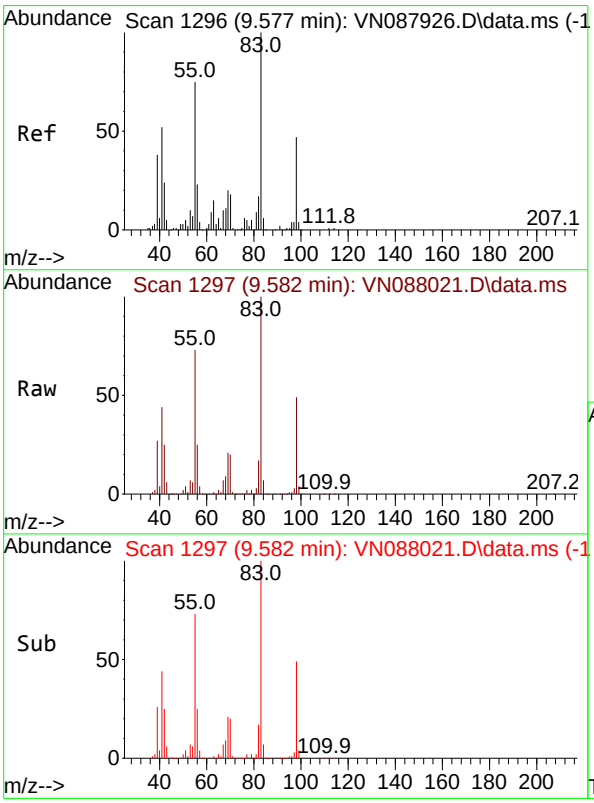
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	16.1	14.2	21.2



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

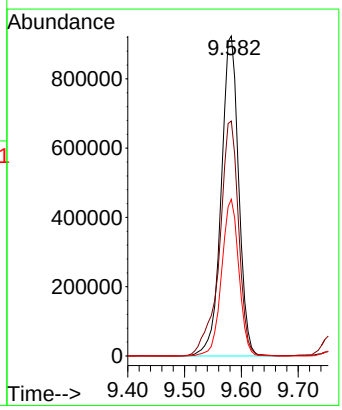
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

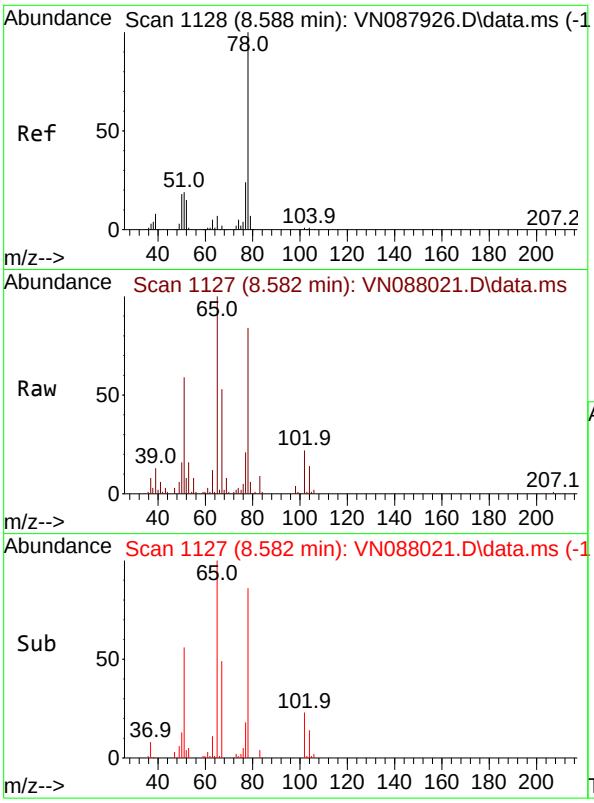


#39
Methylcyclohexane
Concen: 355.926 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 83 Resp: 1978856

Ion	Ratio	Lower	Upper
83	100		
55	73.4	59.9	89.9
98	48.9	37.4	56.2

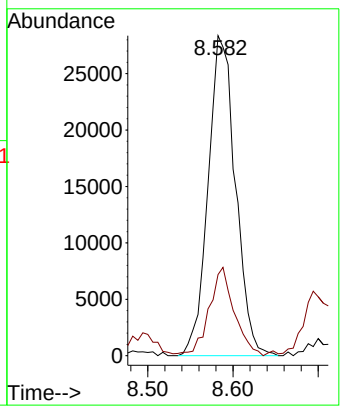




#40
Benzene
Concen: 3.796 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 78 Resp: 6334

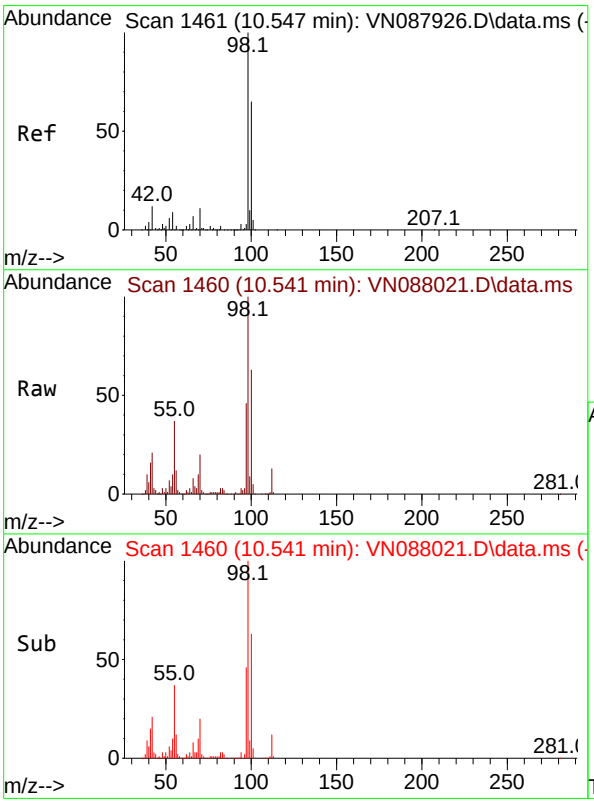
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

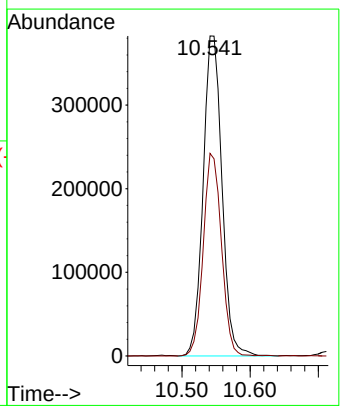
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

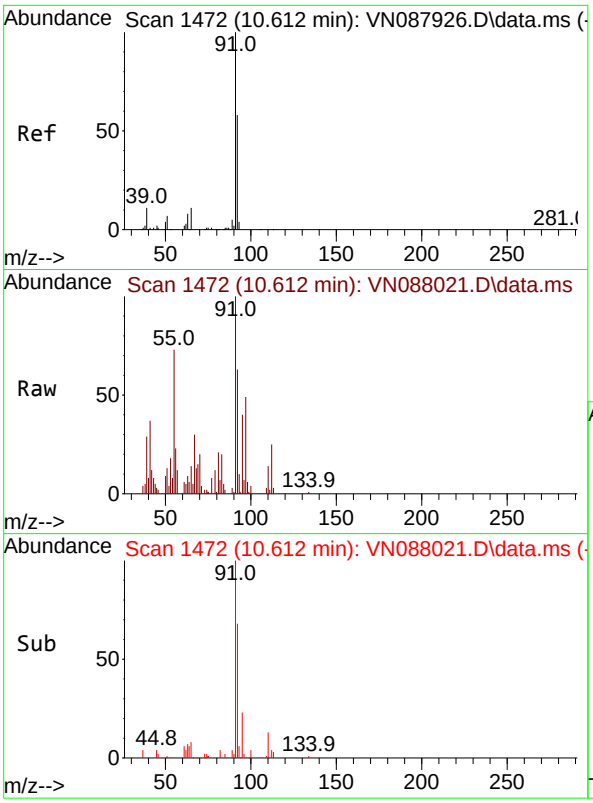


#50
Toluene-d8
Concen: 49.880 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 98 Resp: 735191

Ion	Ratio	Lower	Upper
98	100		
100	61.0	51.7	77.5

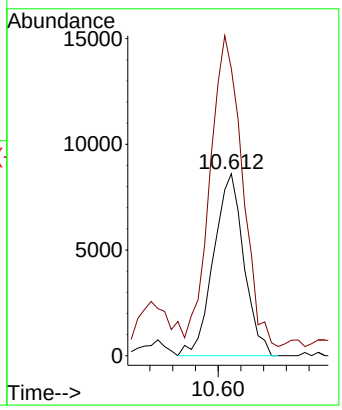




#52
Toluene
Concen: 1.524 ug/l
RT: 10.612 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 92 Resp: 1596

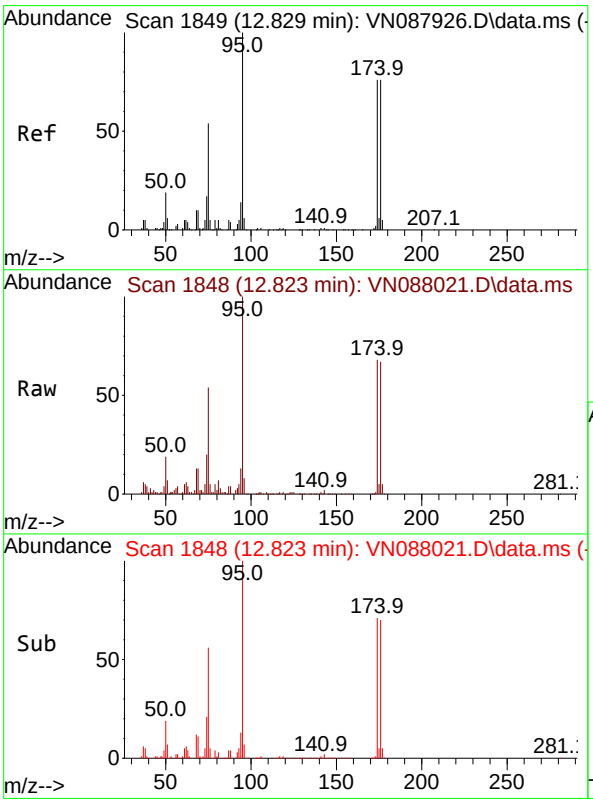
Ion	Ratio	Lower	Upper
92	100		
91	188.5	138.2	207.2



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

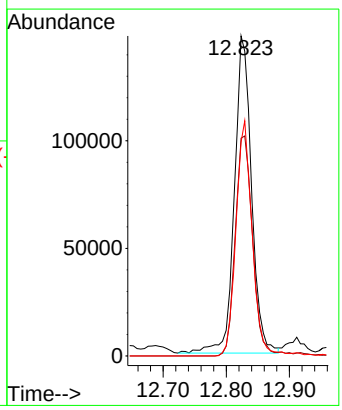
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

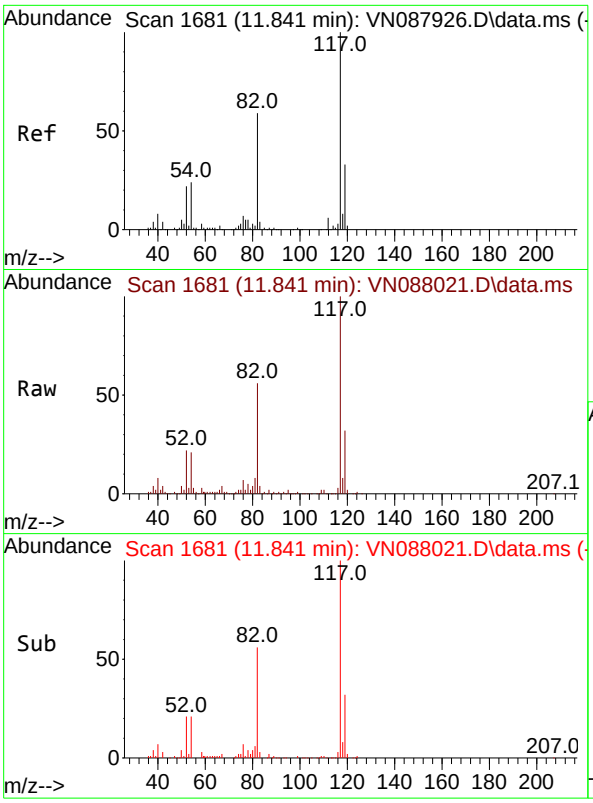


#62
4-Bromofluorobenzene
Concen: 52.912 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 95 Resp: 278766

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	159.2
176	69.9	0.0	152.6

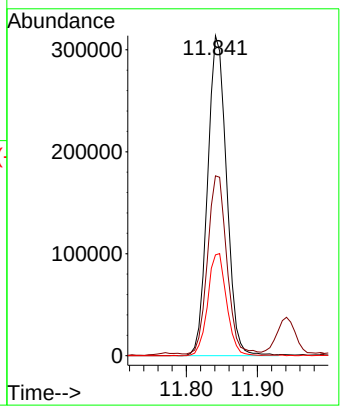




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:117 Resp: 58252

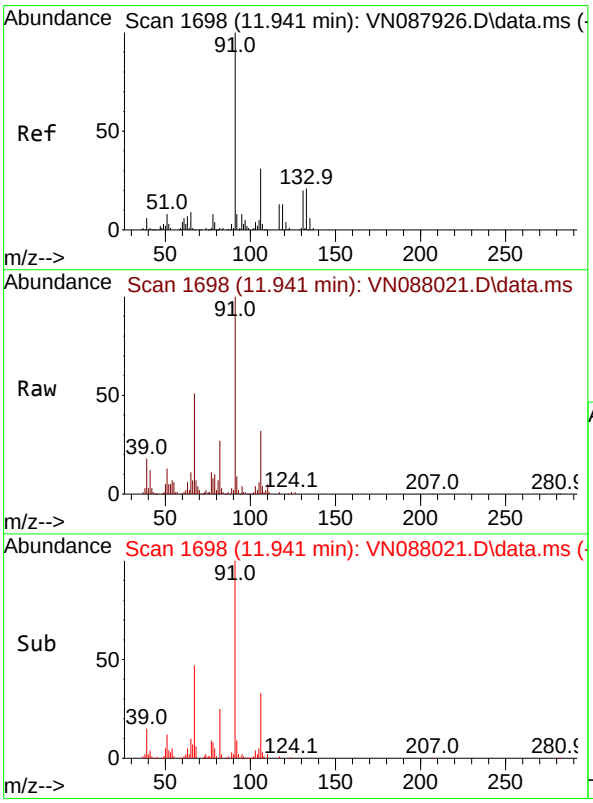
Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.0	70.4
119	31.5	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

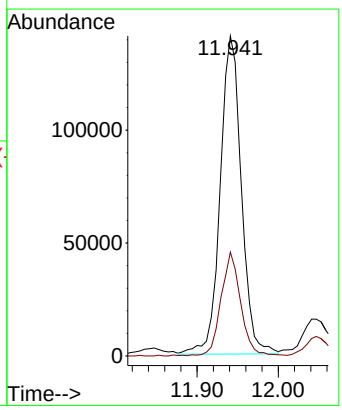
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

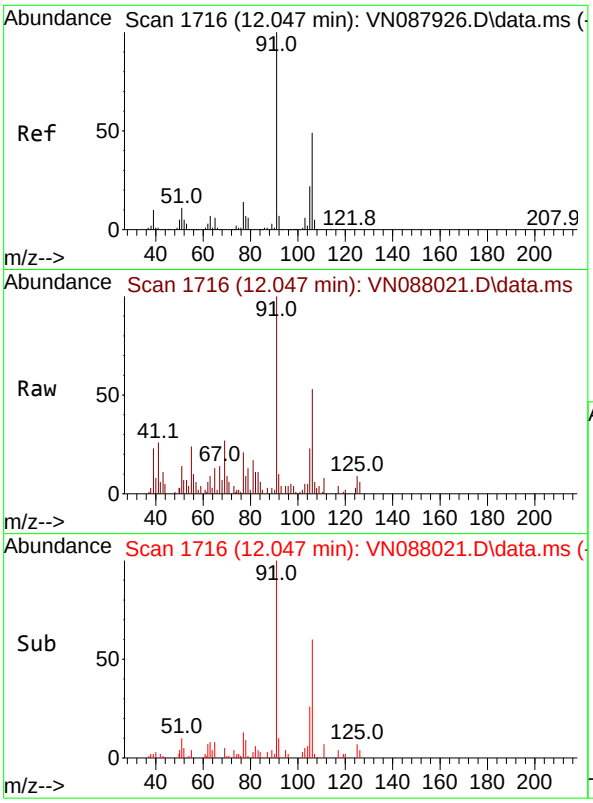


#67
Ethyl Benzene
Concen: 12.354 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 255552

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.2	37.8

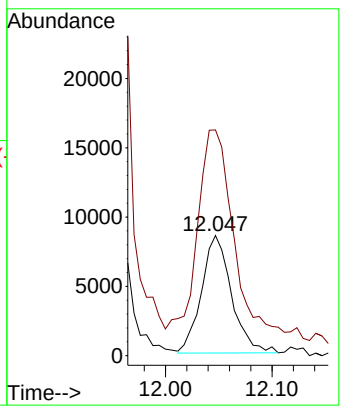




#68
m/p-Xylenes
Concen: 2.096 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:106 Resp: 1658

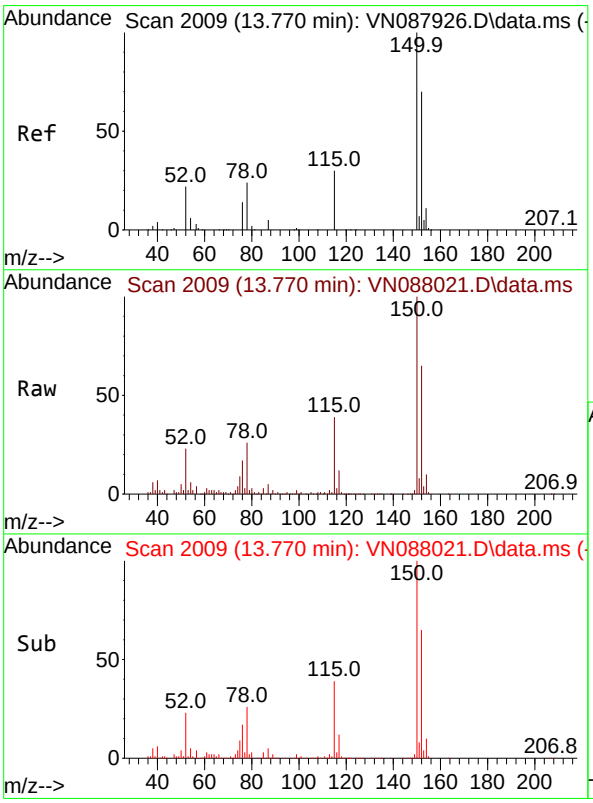
Ion	Ratio	Lower	Upper
106	100		
91	226.6	162.9	244.3



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

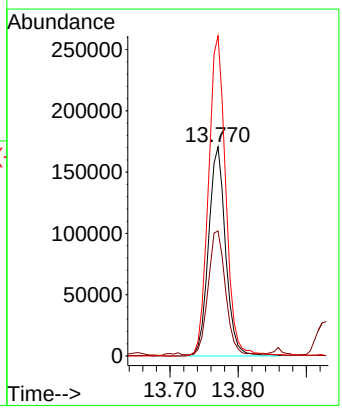
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

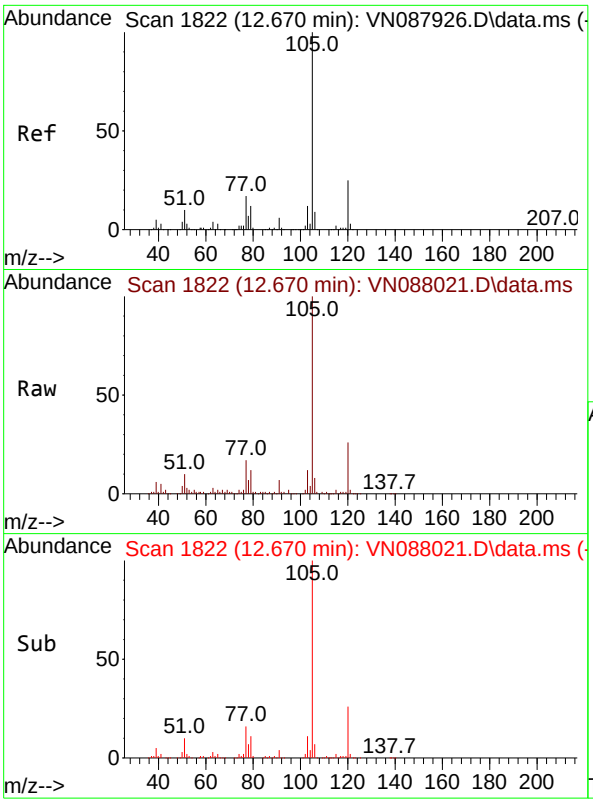


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:152 Resp: 296966

Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.9	89.7
150	155.2	0.0	335.0





#73
Isopropylbenzene
Concen: 20.180 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

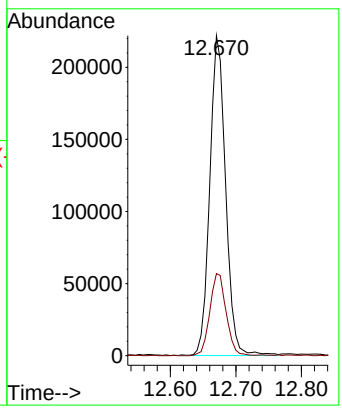
Tgt Ion:105 Resp: 37141

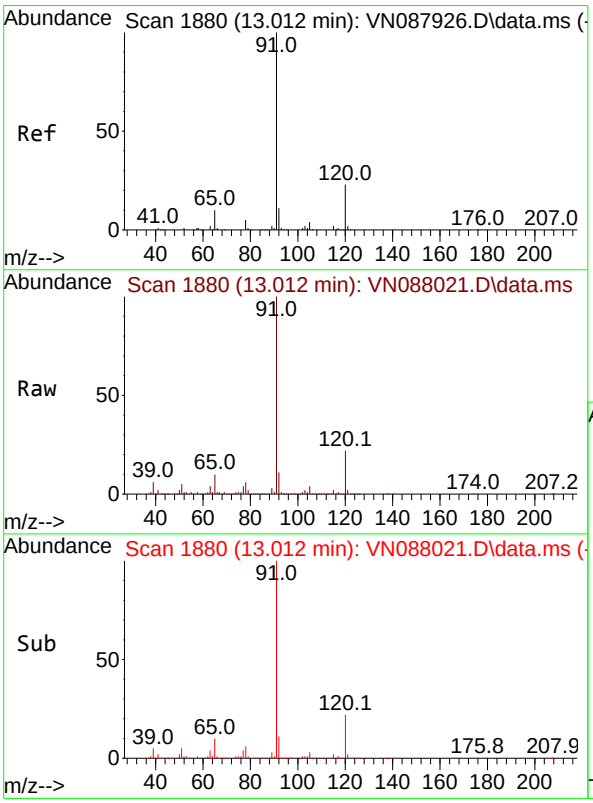
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

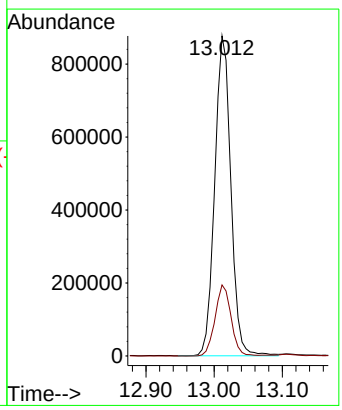


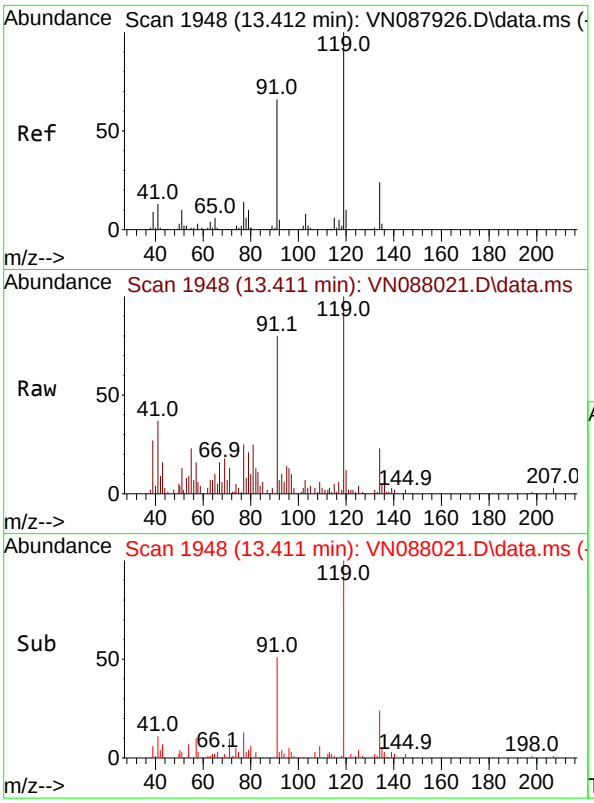


#78
n-propylbenzene
Concen: 62.731 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 1443514

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

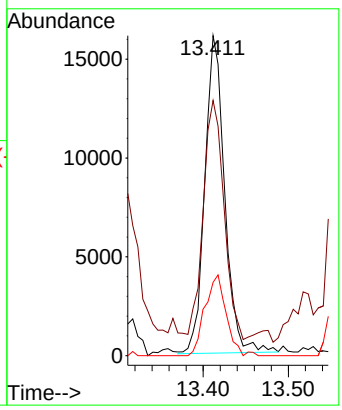




#83
tert-Butylbenzene
Concen: 1.933 ug/l
RT: 13.411 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:119 Resp: 2605

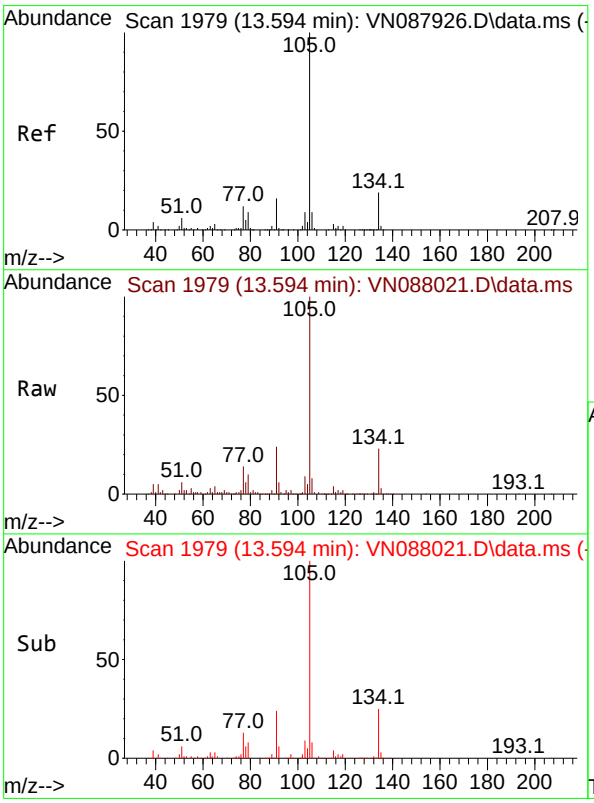
Ion	Ratio	Lower	Upper
119	100		
91	76.6	32.1	96.3
134	27.2	12.3	36.8



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

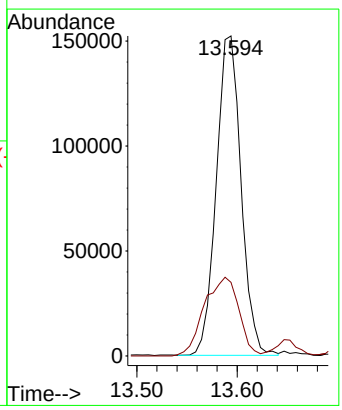
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

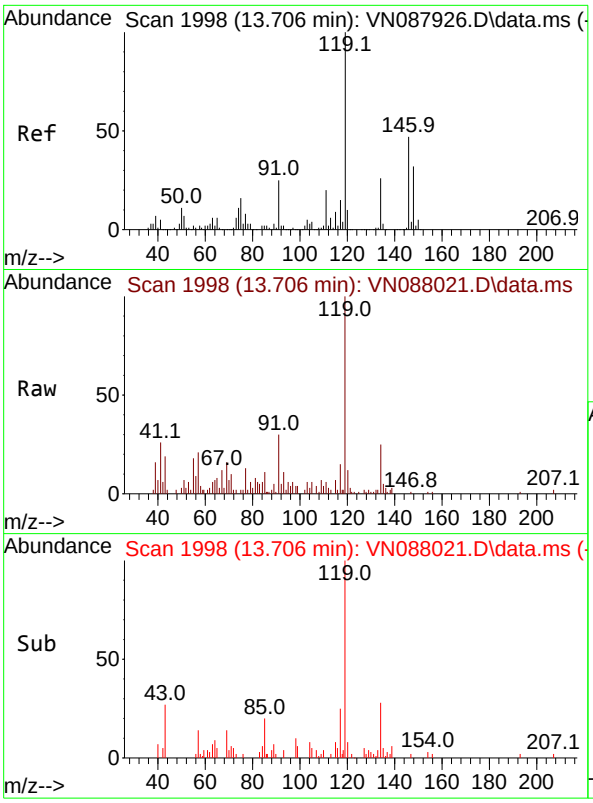


#85
sec-Butylbenzene
Concen: 13.215 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:105 Resp: 261070

Ion	Ratio	Lower	Upper
105	100		
134	34.5	9.6	28.8#

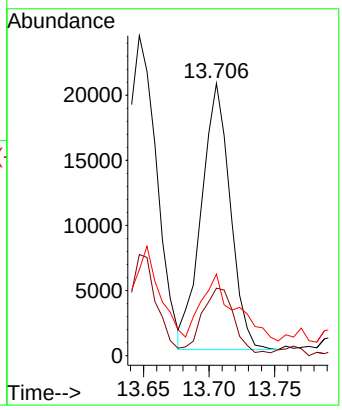




#86
p-Isopropyltoluene
Concen: 1.870 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:119 Resp: 3129

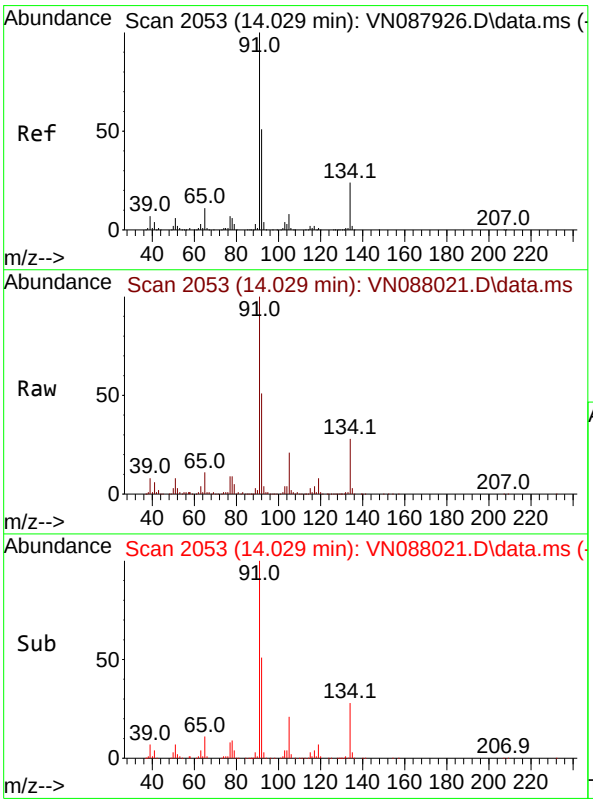
Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.3
91	30.3	11.9	35.5



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

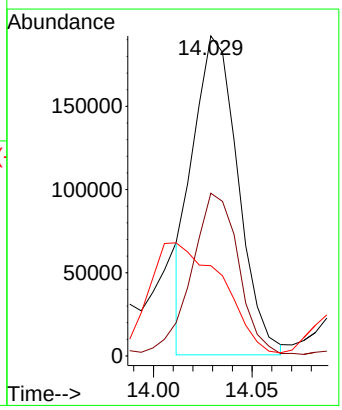
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#89
n-Butylbenzene
Concen: 19.362 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 306176

Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.9	77.8
134	58.0	12.6	37.8#



Sample Results: **VN088021.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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\82N092325W.M
Title : SW846 8260

Signal : TIC: VN088021.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.265	211	223	239	rBV	709271	1744595	16.12%	1.491%
2	3.653	279	289	304	rBV2	578415	1479024	13.67%	1.264%
3	4.142	364	372	383	rBV3	53565	157319	1.45%	0.134%
4	4.424	407	420	429	rBV3	57196	192600	1.78%	0.165%
5	5.330	551	574	590	rBV2	1050717	4751658	43.90%	4.062%
6	5.800	639	654	673	rBV2	811267	2821603	26.07%	2.412%
7	6.300	726	739	756	rBV2	467824	1464236	13.53%	1.252%
8	6.641	784	797	809	rBV	155607	471053	4.35%	0.403%
9	6.777	809	820	831	rBV4	66805	203656	1.88%	0.174%
10	7.065	857	869	884	rBV6	95576	311476	2.88%	0.266%
11	7.206	884	893	900	rVV4	74053	219275	2.03%	0.187%
12	7.312	900	911	935	rVV	1477667	4427683	40.91%	3.785%
13	7.912	1005	1013	1019	rBV3	69584	185027	1.71%	0.158%
14	7.988	1019	1026	1035	rVB3	134750	341963	3.16%	0.292%
15	8.147	1043	1053	1057	rBV	270438	654957	6.05%	0.560%
16	8.235	1057	1068	1075	rVV3	1117910	4393346	40.59%	3.755%
17	8.312	1075	1081	1091	rVB3	428223	1137433	10.51%	0.972%
18	8.429	1091	1101	1107	rBV	720218	1686808	15.59%	1.442%
19	8.494	1107	1112	1118	rVB2	255191	510012	4.71%	0.436%
20	8.565	1118	1124	1137	rVB2	269300	728500	6.73%	0.623%
21	8.700	1138	1147	1153	rBV2	859783	2087601	19.29%	1.784%
22	8.771	1153	1159	1164	rVV	757904	1563769	14.45%	1.337%
23	8.835	1164	1170	1179	rVB	1145370	2554975	23.61%	2.184%
24	8.947	1179	1189	1200	rVB3	211962	562519	5.20%	0.481%
25	9.082	1202	1212	1219	rBV3	1061618	2508435	23.18%	2.144%
26	9.241	1234	1239	1245	rVB	81365	149242	1.38%	0.128%
27	9.312	1245	1251	1256	rBV	128024	247697	2.29%	0.212%
28	9.365	1256	1260	1276	rVB2	93736	208805	1.93%	0.178%
29	9.582	1278	1297	1313	rBV	4465145	10822687	100.00%	9.251%
30	9.759	1313	1327	1334	rBV	668536	1350656	12.48%	1.155%
31	9.847	1334	1342	1348	rVB	230679	458236	4.23%	0.392%
32	9.918	1348	1354	1355	rBV	101376	153579	1.42%	0.131%
33	9.982	1361	1365	1375	rVB2	258429	538605	4.98%	0.460%
34	10.082	1375	1382	1387	rBV2	487073	930795	8.60%	0.796%
35	10.182	1394	1399	1403	rBV2	142942	242037	2.24%	0.207%
36	10.318	1413	1422	1434	rBV4	282287	718930	6.64%	0.615%

Sample Results: **VN088021.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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\82N092325W.M
Title : SW846 8260

37	10.429	1434	1441	1446	rBV	268929	532084	4.92%	0.455%
38	10.547	1453	1461	1466	rBV	1790622	3514673	32.48%	3.004%
39	10.729	1484	1492	1499	rVB5	527828	1328271	12.27%	1.135%
40	10.888	1513	1519	1525	rBV	538618	956750	8.84%	0.818%
41	10.965	1525	1532	1542	rVB4	532678	1496457	13.83%	1.279%
42	11.059	1542	1548	1554	rVB6	71681	190725	1.76%	0.163%
43	11.147	1554	1563	1569	rBV6	96738	248858	2.30%	0.213%
44	11.235	1571	1578	1581	rBV4	142608	299154	2.76%	0.256%
45	11.276	1581	1585	1588	rVV2	149333	224928	2.08%	0.192%
46	11.318	1588	1592	1595	rVV3	167742	278155	2.57%	0.238%
47	11.359	1595	1599	1601	rVV2	222988	390480	3.61%	0.334%
48	11.394	1601	1605	1610	rVV	522148	918621	8.49%	0.785%
49	11.447	1610	1614	1619	rVB2	238891	402920	3.72%	0.344%
50	11.553	1627	1632	1637	rVB3	132001	224013	2.07%	0.191%
51	11.653	1645	1649	1657	rVB4	146763	271742	2.51%	0.232%
52	11.765	1664	1668	1674	rVB5	73104	147922	1.37%	0.126%
53	11.841	1674	1681	1688	rBV	1059323	2014911	18.62%	1.722%
54	11.941	1693	1698	1704	rVV	561685	1017790	9.40%	0.870%
55	12.017	1708	1711	1718	rVV6	85156	214131	1.98%	0.183%
56	12.088	1718	1723	1735	rVB6	153294	447942	4.14%	0.383%
57	12.253	1746	1751	1761	rVB7	54200	148612	1.37%	0.127%
58	12.353	1761	1768	1775	rBV4	98401	257932	2.38%	0.220%
59	12.453	1782	1785	1790	rVB3	94037	155083	1.43%	0.133%
60	12.559	1790	1803	1807	rBV5	184293	568997	5.26%	0.486%
61	12.670	1817	1822	1828	rBV	513875	832765	7.69%	0.712%
62	12.823	1843	1848	1859	rVB	726499	1382553	12.77%	1.182%
63	13.012	1872	1880	1887	rBV	1798318	3007437	27.79%	2.571%
64	13.147	1894	1903	1910	rVB7	62059	198285	1.83%	0.169%
65	13.312	1923	1931	1938	rBV	137500	328842	3.04%	0.281%
66	13.406	1945	1947	1954	rVB3	81763	142777	1.32%	0.122%
67	13.588	1969	1978	1984	rBV2	412715	980544	9.06%	0.838%
68	13.647	1984	1988	1993	rVV4	105796	179551	1.66%	0.153%
69	13.770	2003	2009	2016	rVV	1036931	1855475	17.14%	1.586%
70	13.859	2018	2024	2029	rVB	102916	184990	1.71%	0.158%
71	13.923	2029	2035	2039	rBV	1223889	2027566	18.73%	1.733%
72	13.970	2039	2043	2047	rVV	1388429	2400737	22.18%	2.052%
73	14.011	2047	2050	2059	rVV2	696419	1710466	15.80%	1.462%
74	14.094	2059	2064	2070	rVV	339914	539494	4.98%	0.461%
75	14.159	2071	2075	2081	rVV	94753	145638	1.35%	0.124%
76	14.217	2081	2085	2092	rVB	87638	149170	1.38%	0.128%

Sample Results: **VN088021.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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\82N092325W.M
Title : SW846 8260

77	14.306	2093	2100	2106	rBV	3377712	5326488	49.22%	4.553%
78	14.370	2106	2111	2114	rVV	610175	1013061	9.36%	0.866%
79	14.417	2114	2119	2126	rVV2	2062576	3637534	33.61%	3.109%
80	14.488	2126	2131	2135	rVV5	99200	152758	1.41%	0.131%
81	14.553	2138	2142	2146	rVV2	128023	201117	1.86%	0.172%
82	14.629	2146	2155	2164	rVB	1936069	3258762	30.11%	2.786%
83	14.711	2164	2169	2172	rBV	193758	288801	2.67%	0.247%
84	14.853	2184	2193	2196	rVV2	141861	288856	2.67%	0.247%
85	14.900	2196	2201	2213	rVB	1422479	2707694	25.02%	2.314%
86	15.023	2213	2222	2228	rBV3	2427287	5708313	52.74%	4.879%
87	15.076	2228	2231	2238	rVB2	179428	381515	3.53%	0.326%
88	15.182	2244	2249	2255	rBV3	108515	196790	1.82%	0.168%
89	15.288	2255	2267	2272	rVV2	768739	1971012	18.21%	1.685%
90	15.335	2272	2275	2280	rVV	357871	606760	5.61%	0.519%
91	15.411	2280	2288	2298	rVB3	737199	1828729	16.90%	1.563%
92	15.558	2308	2313	2320	rVB3	76018	144670	1.34%	0.124%
93	15.670	2326	2332	2336	rBV2	118464	227234	2.10%	0.194%
94	15.717	2336	2340	2344	rBV4	159791	290066	2.68%	0.248%
95	15.911	2366	2373	2381	rBV	293323	611374	5.65%	0.523%
96	16.094	2395	2404	2409	rBV2	221343	597465	5.52%	0.511%
97	16.223	2421	2426	2431	rBV	95588	195160	1.80%	0.167%
98	16.311	2433	2441	2448	rVB4	160460	385014	3.56%	0.329%
99	16.470	2459	2468	2480	rBV3	180534	443898	4.10%	0.379%
100	16.747	2507	2515	2522	rVV2	552660	1227989	11.35%	1.050%

Sum of corrected areas: 116989293

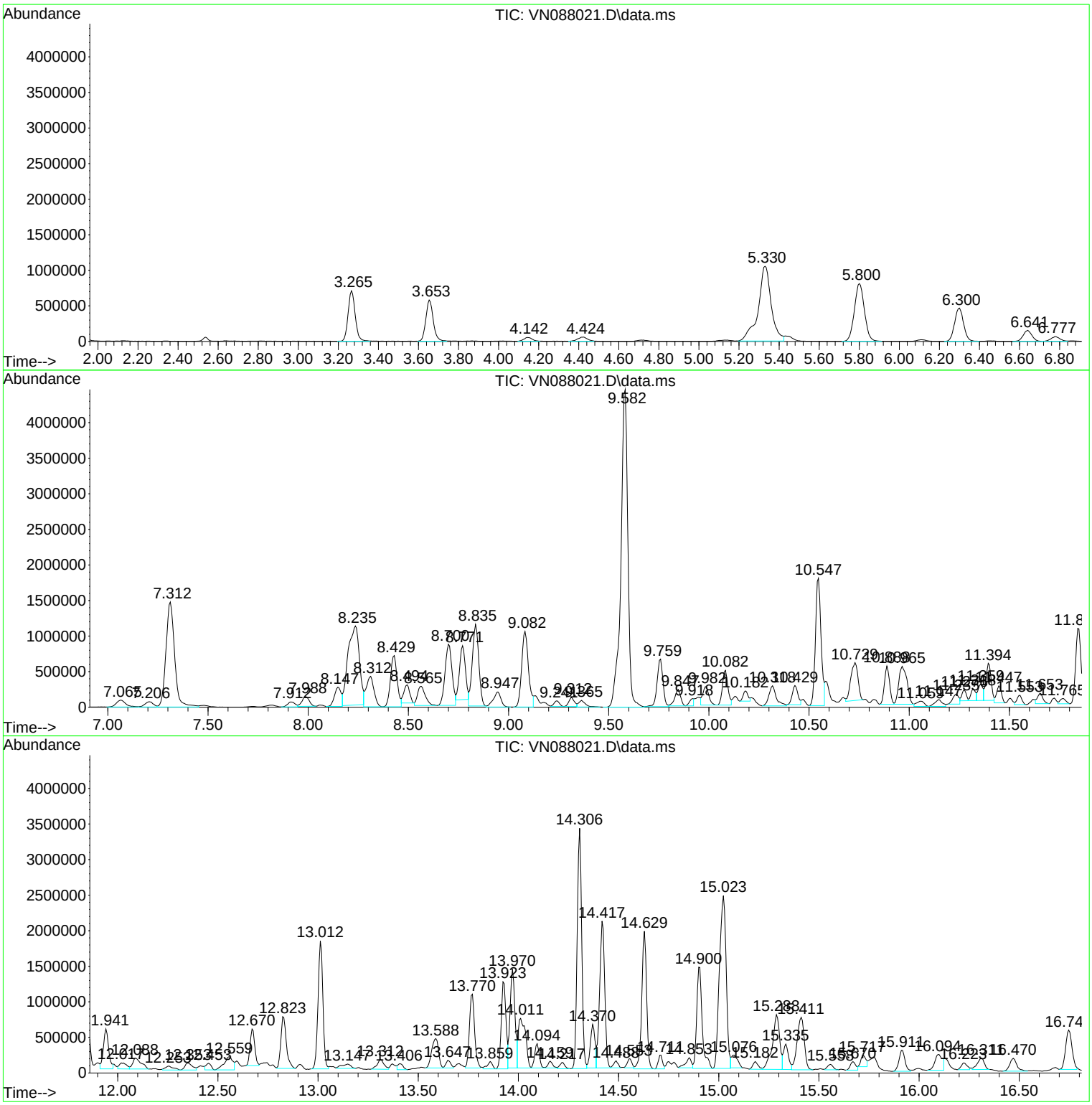
Sample Results: **VN088021.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

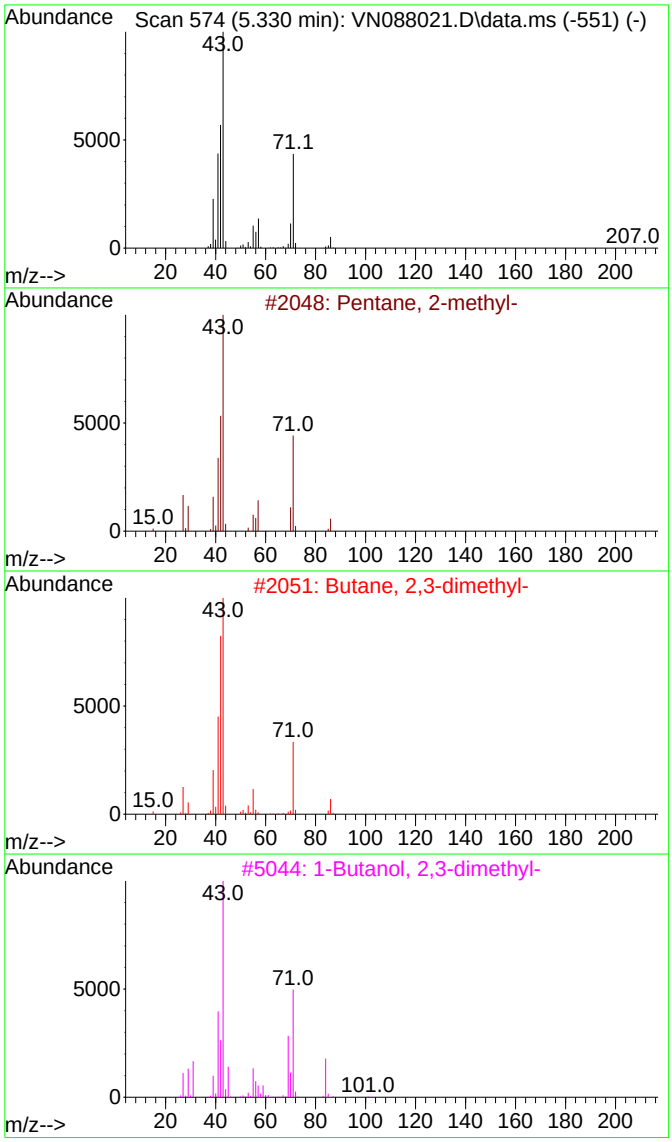
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

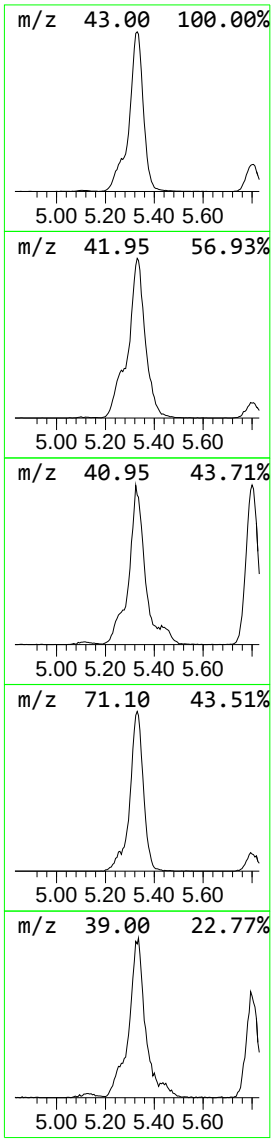
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.330	54.08 ug/l	4751660	Pentafluorobenzene	8.212

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	N-Vinylformamide	71	C3H5NO	013162-05-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

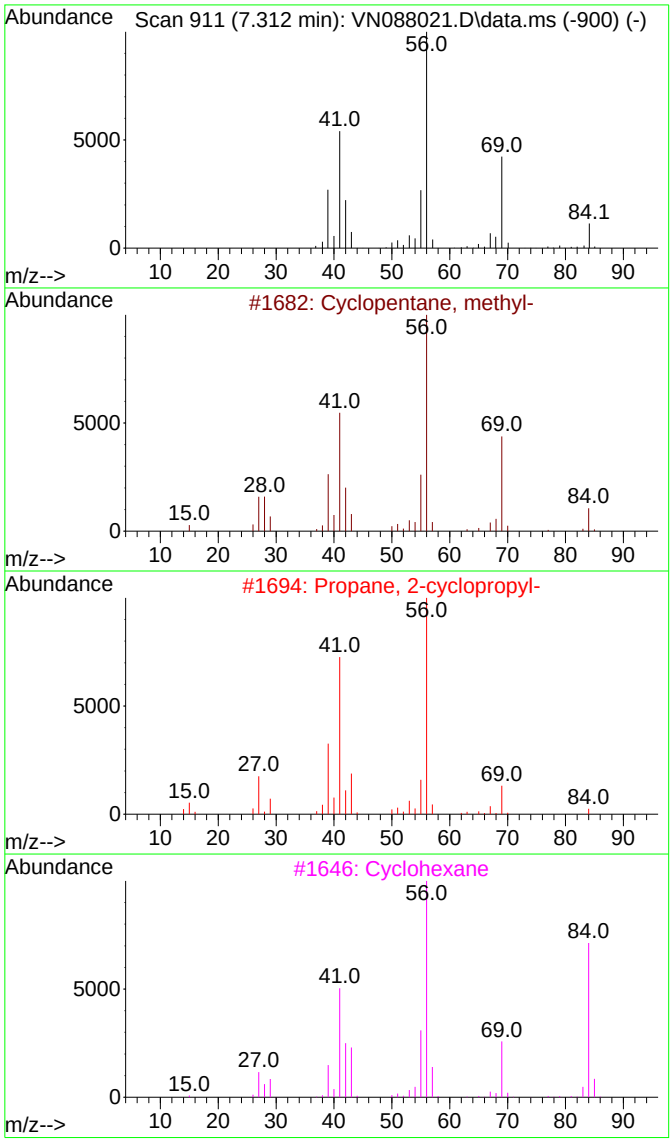
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

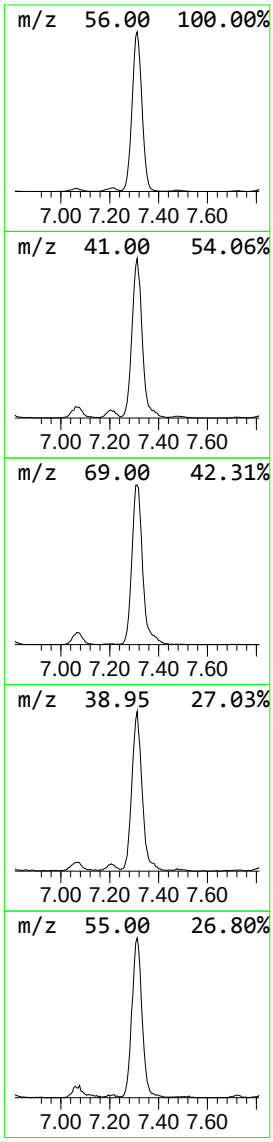
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	50.39 ug/l	4427680	Pentafluorobenzene	8.212

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
3	Cyclohexane	84	C6H12	000110-82-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

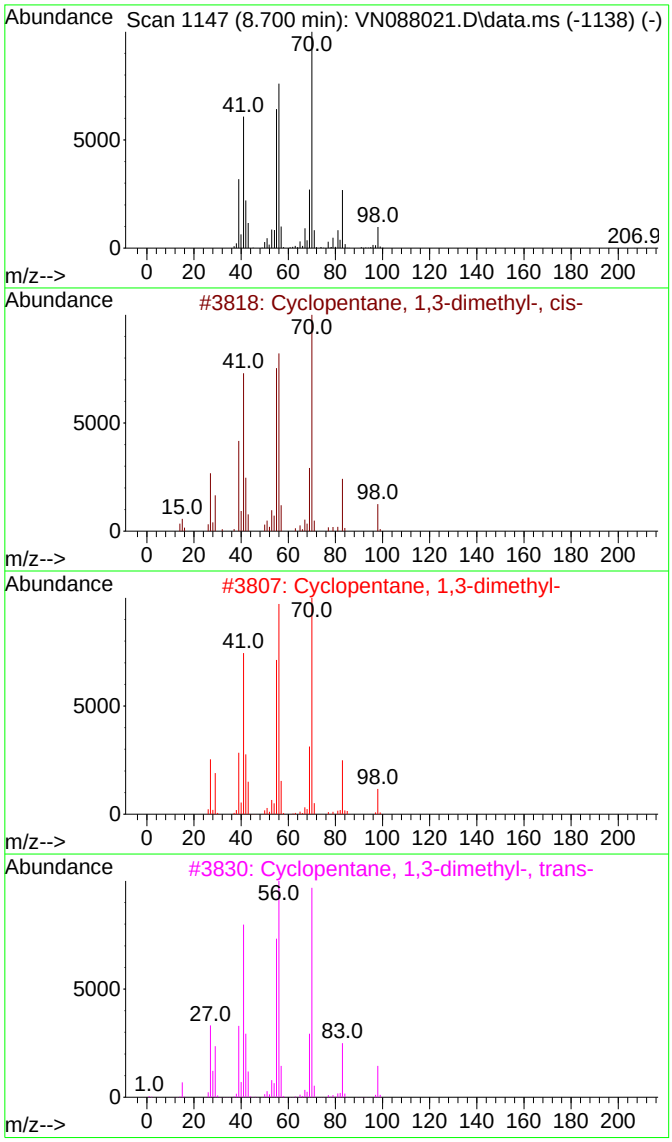
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

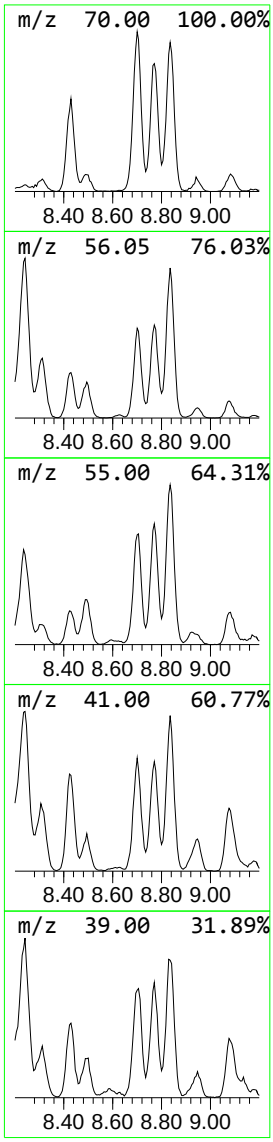
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, 1,3-dimethyl-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.700	41.61 ug/l	2087600	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

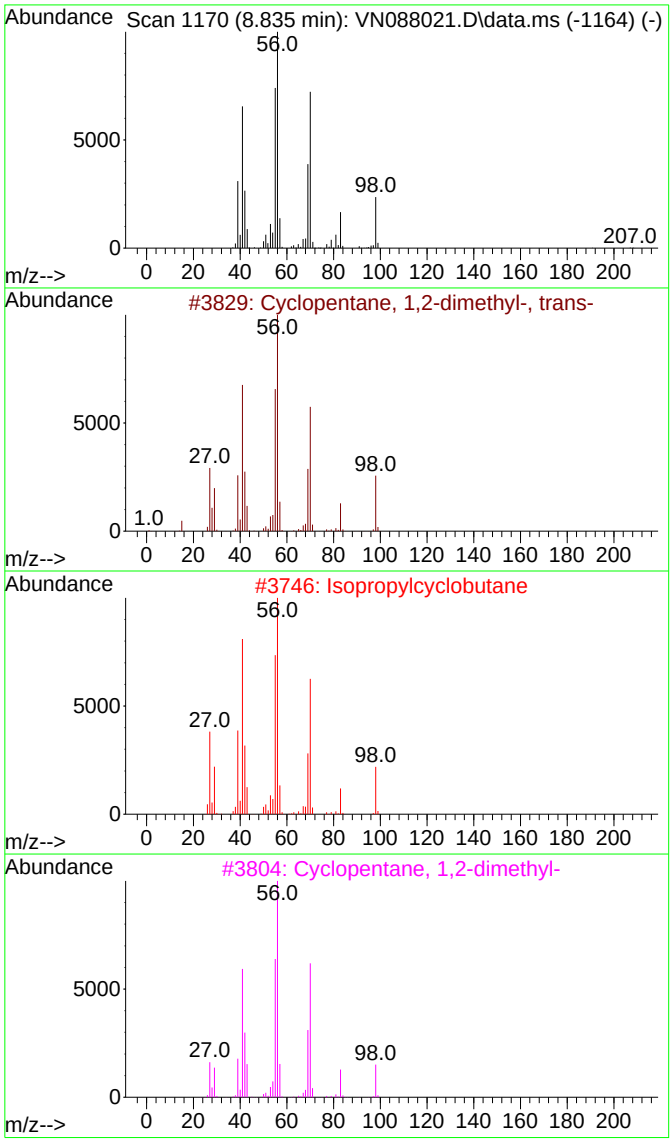
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

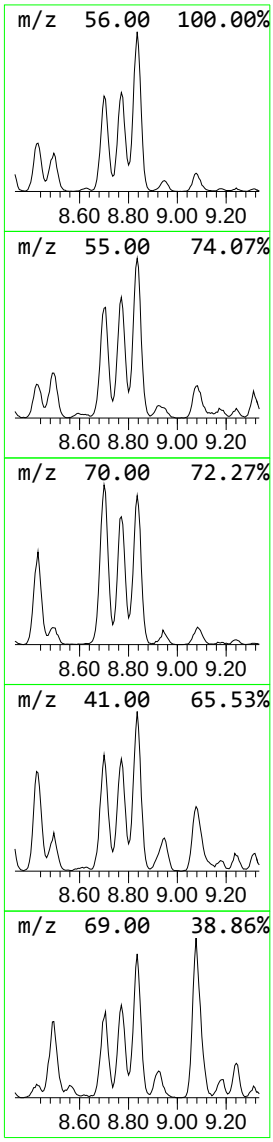
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentane, 1,2-dimethyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.835	50.93 ug/l	2554980	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4	1-Heptene	98	C7H14	000592-76-7	86
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

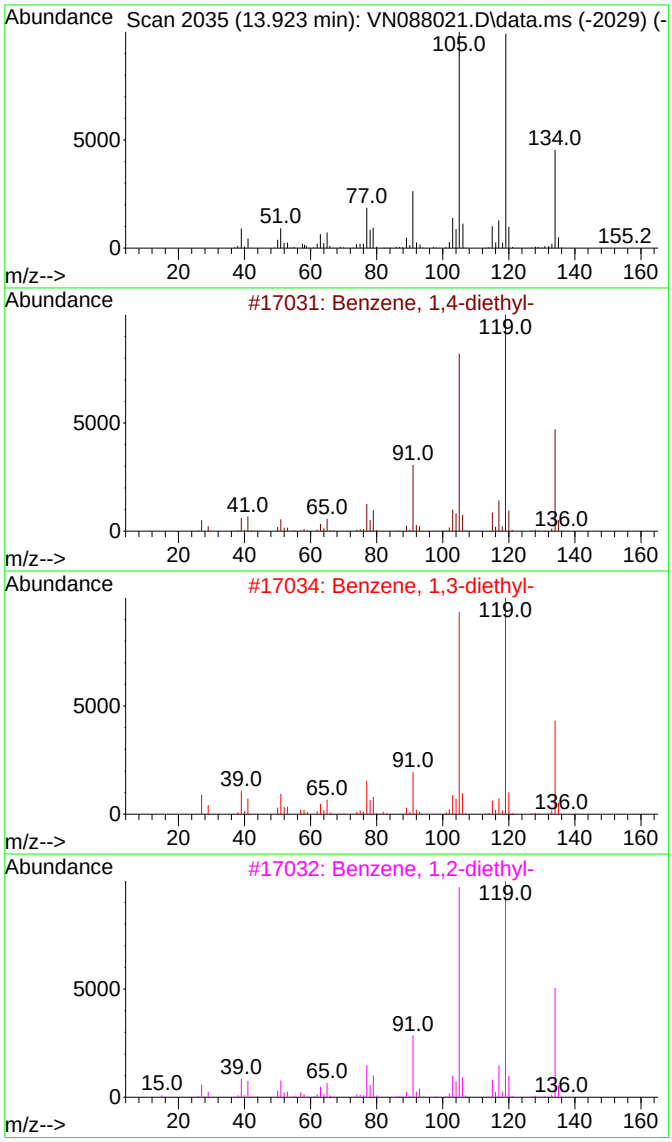
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

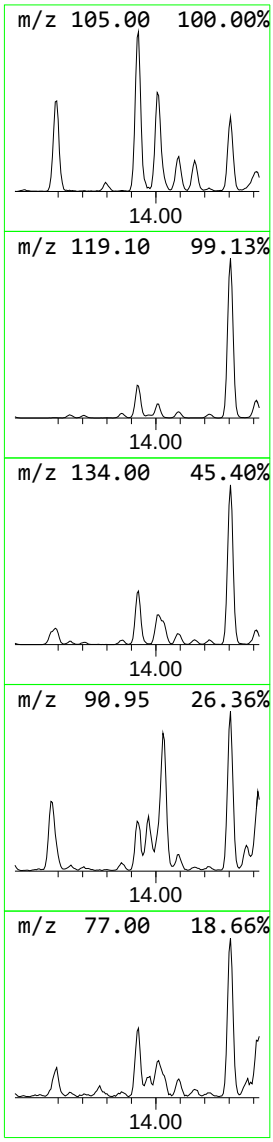
****

Peak Number 6 Benzene, 1,4-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.923	54.64 ug/l	2027570	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

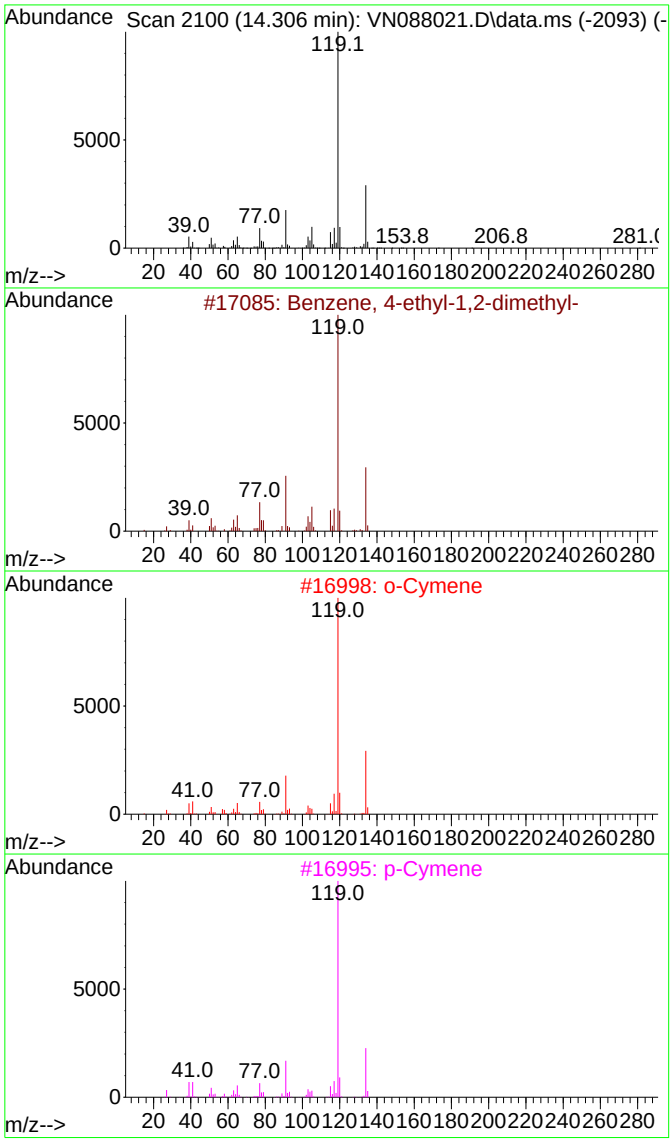
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

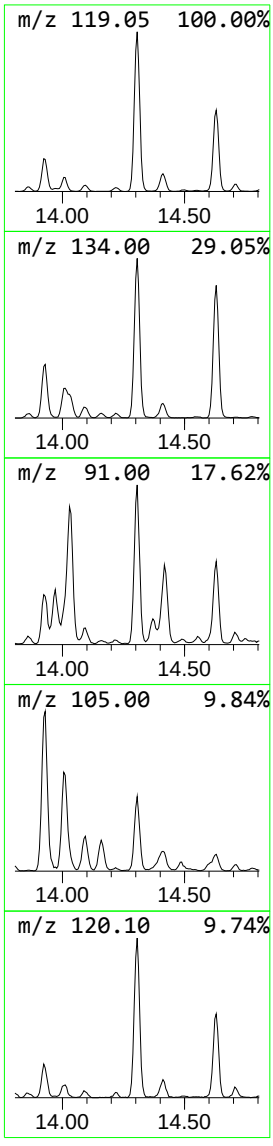
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	143.53 ug/l	5326490	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

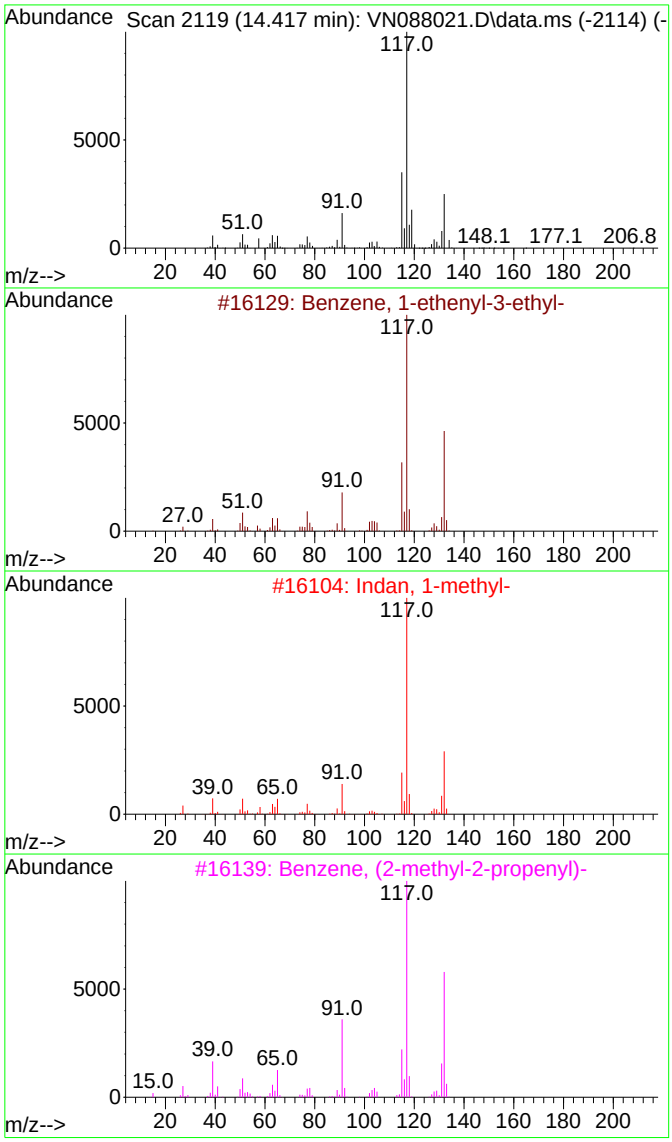
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

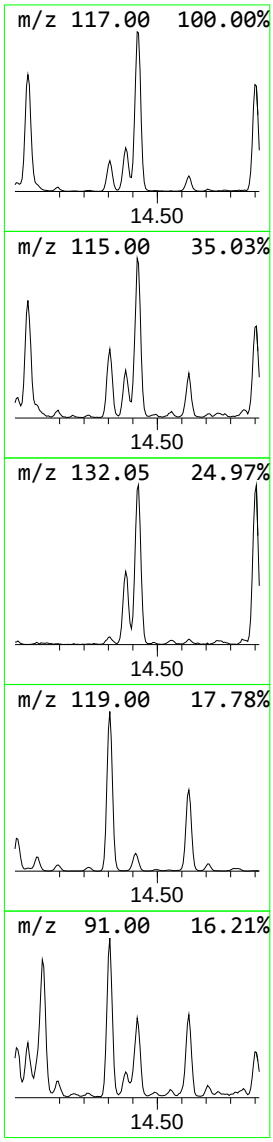
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.417	98.02 ug/l	3637530	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72





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Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

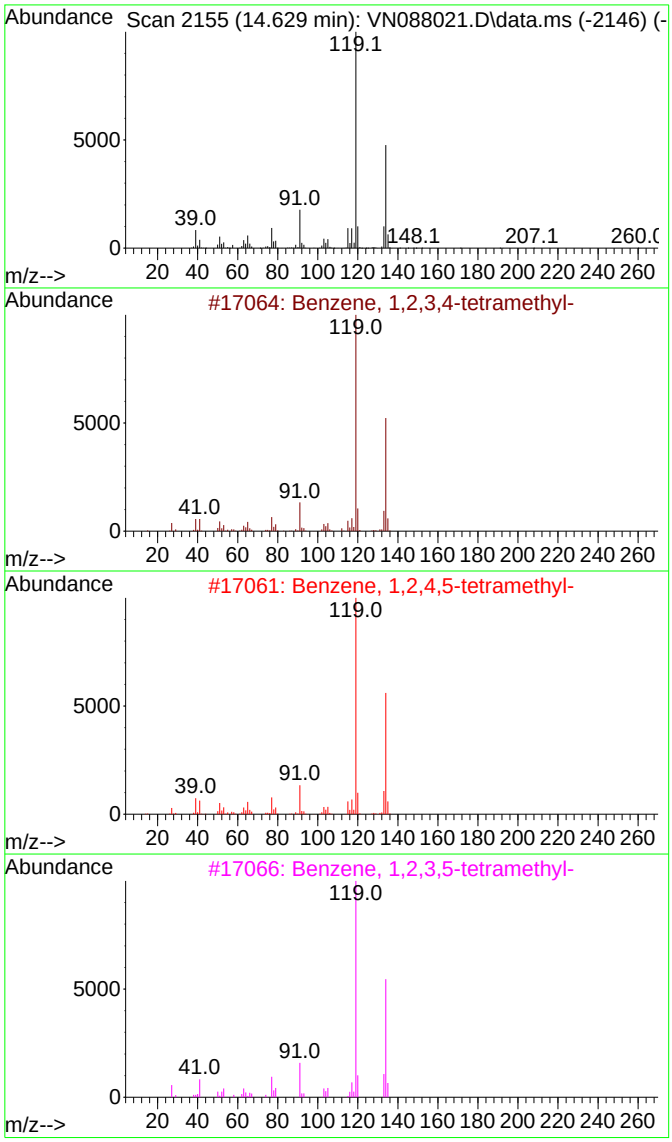
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

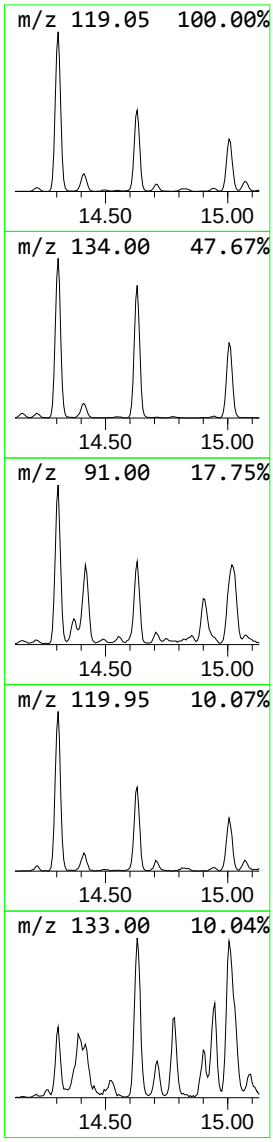
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	87.81 ug/l	3258760	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

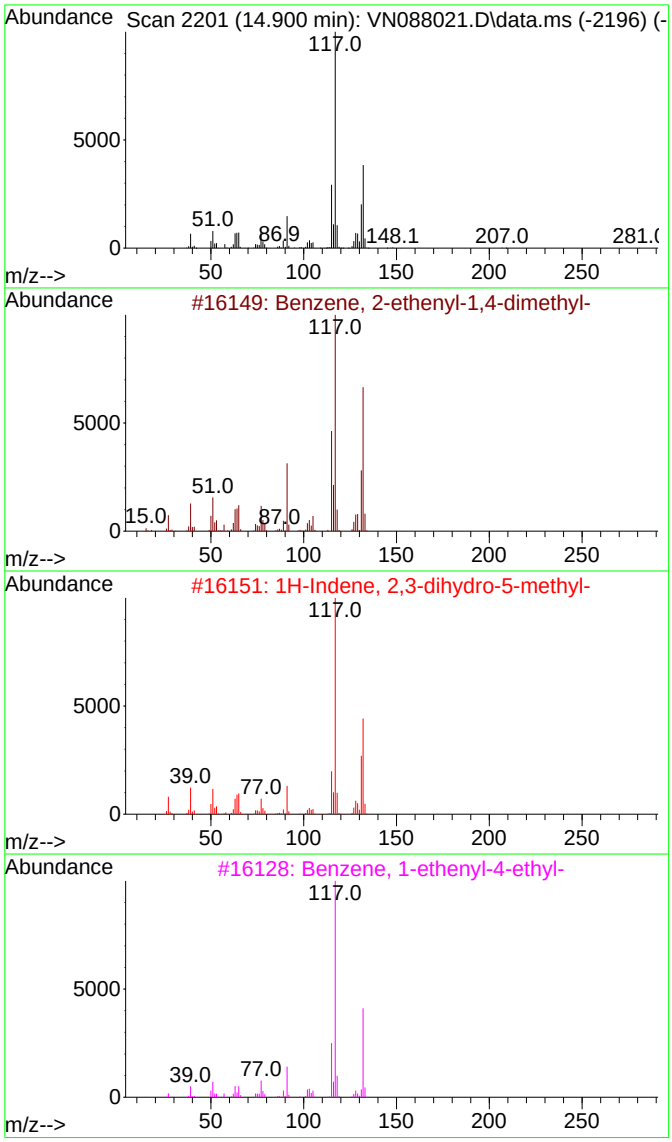
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

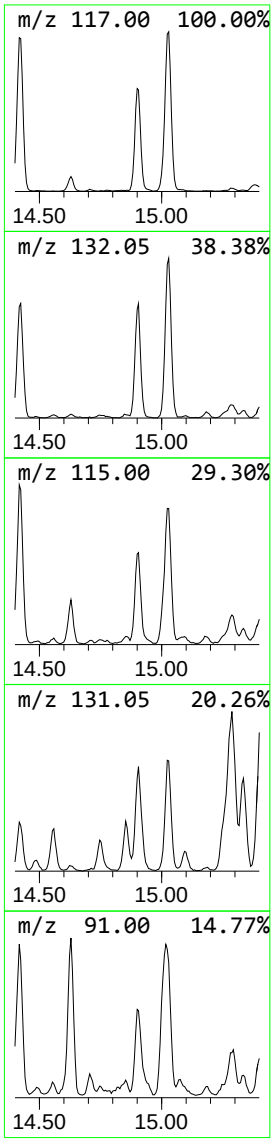
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	72.97 ug/l	2707690	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

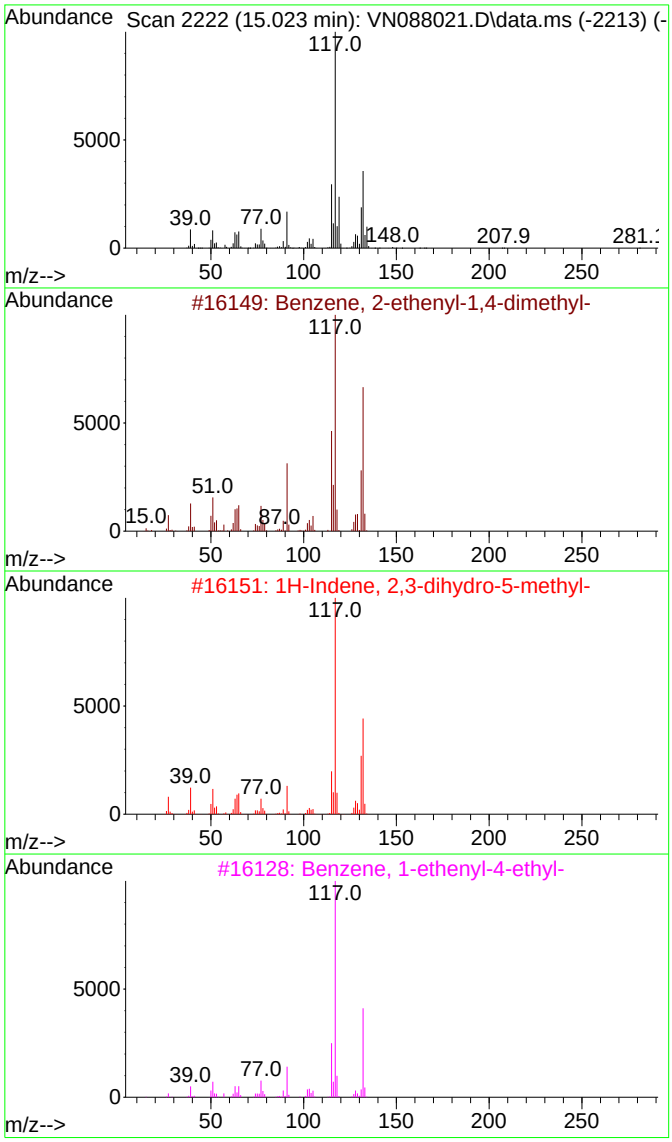
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

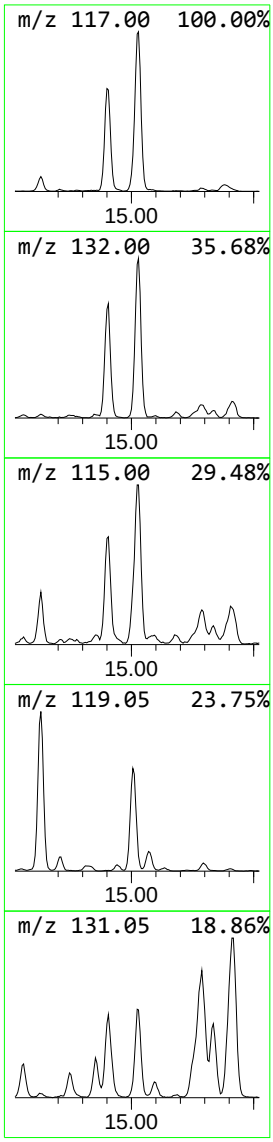
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	153.82 ug/l	5708310	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

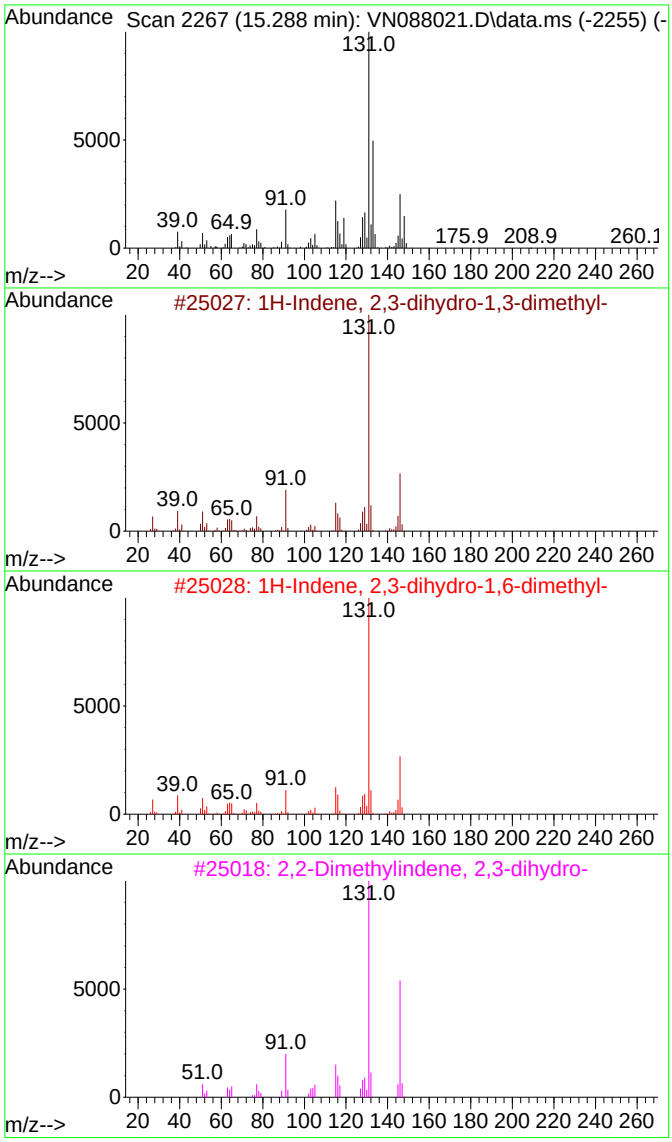
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

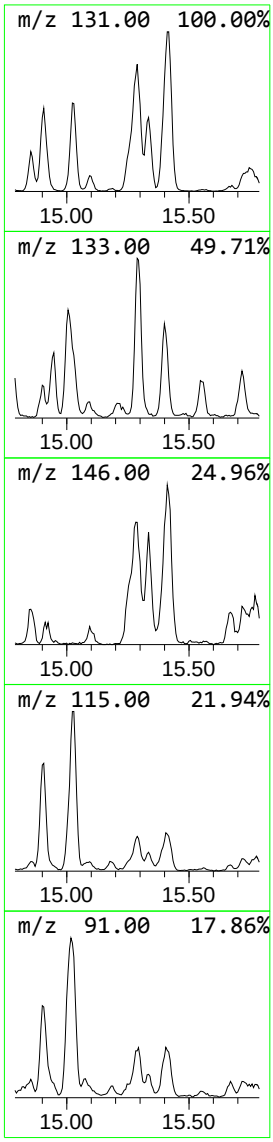
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.288	53.11 ug/l	1971010	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	86
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

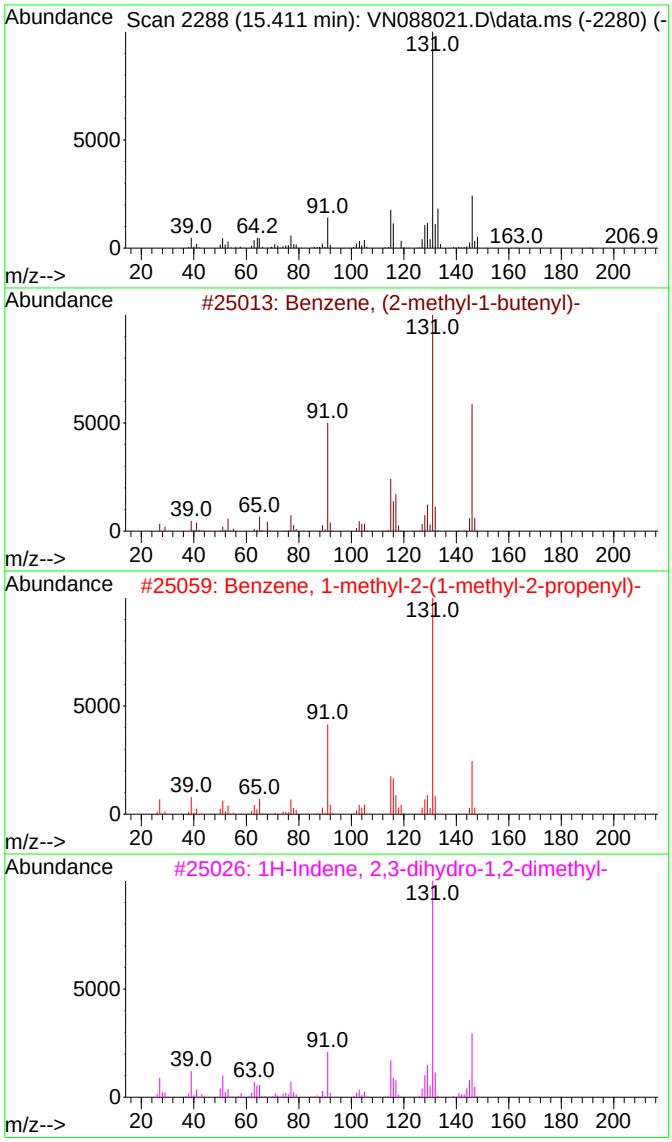
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

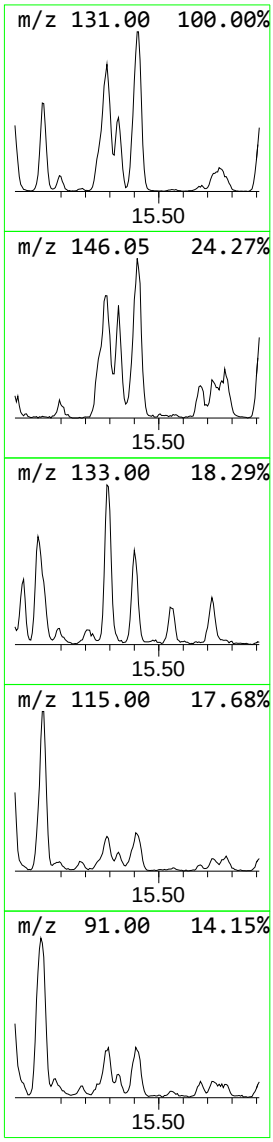
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, (2-methyl-1-butenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.411	49.28 ug/l	1828730	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.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
Pentane, 2-methyl-	5.330	54.1	ug/l	4751660	1	8.212	4393350	50.0
Cyclopentane, m...	7.312	50.4	ug/l	4427680	1	8.212	4393350	50.0
Cyclopentane, 1...	8.700	41.6	ug/l	2087600	2	9.082	2508440	50.0
Cyclopentane, 1...	8.835	50.9	ug/l	2554980	2	9.082	2508440	50.0
Benzene, 1,4-di...	13.923	54.6	ug/l	2027570	4	13.770	1855480	50.0
Benzene, 4-ethy...	14.306	143.5	ug/l	5326490	4	13.770	1855480	50.0
Benzene, 1-ethe...	14.417	98.0	ug/l	3637530	4	13.770	1855480	50.0
Benzene, 1,2,3,...	14.629	87.8	ug/l	3258760	4	13.770	1855480	50.0
Benzene, 2-ethe...	14.900	73.0	ug/l	2707690	4	13.770	1855480	50.0
1H-Indene, 2,3-...	15.023	153.8	ug/l	5708310	4	13.770	1855480	50.0
1H-Indene, 2,3-...	15.288	53.1	ug/l	1971010	4	13.770	1855480	50.0
Benzene, (2-met...	15.411	49.3	ug/l	1828730	4	13.770	1855480	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088027.D
Acq On : 03 Oct 2025 16:37
Operator : JC\MD
Sample : Q3274-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 03:00:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	193443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	426224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	419833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	205320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	175119	53.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.580%			
35) Dibromofluoromethane	8.147	113	146268	47.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.540%			
50) Toluene-d8	10.547	98	538729	49.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.829	95	197115	50.673	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.340%			
Target Compounds						Qvalue
31) Cyclohexane	8.235	56	68367	18.728	ug/l #	92
39) Methylcyclohexane	9.576	83	185418	45.169	ug/l	97
40) Benzene	8.594	78	6634	0.538	ug/l #	84
67) Ethyl Benzene	11.947	91	23183	1.555	ug/l	98
73) Isopropylbenzene	12.676	105	31633	2.486	ug/l	98
78) n-propylbenzene	13.017	91	122920	7.726	ug/l	99
85) sec-Butylbenzene	13.594	105	24672	1.806	ug/l #	73
89) n-Butylbenzene	14.035	91	31409m	2.873	ug/l	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088027.D
Acq On : 03 Oct 2025 16:37
Operator : JC\MD
Sample : Q3274-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 03:00:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations APPROVED

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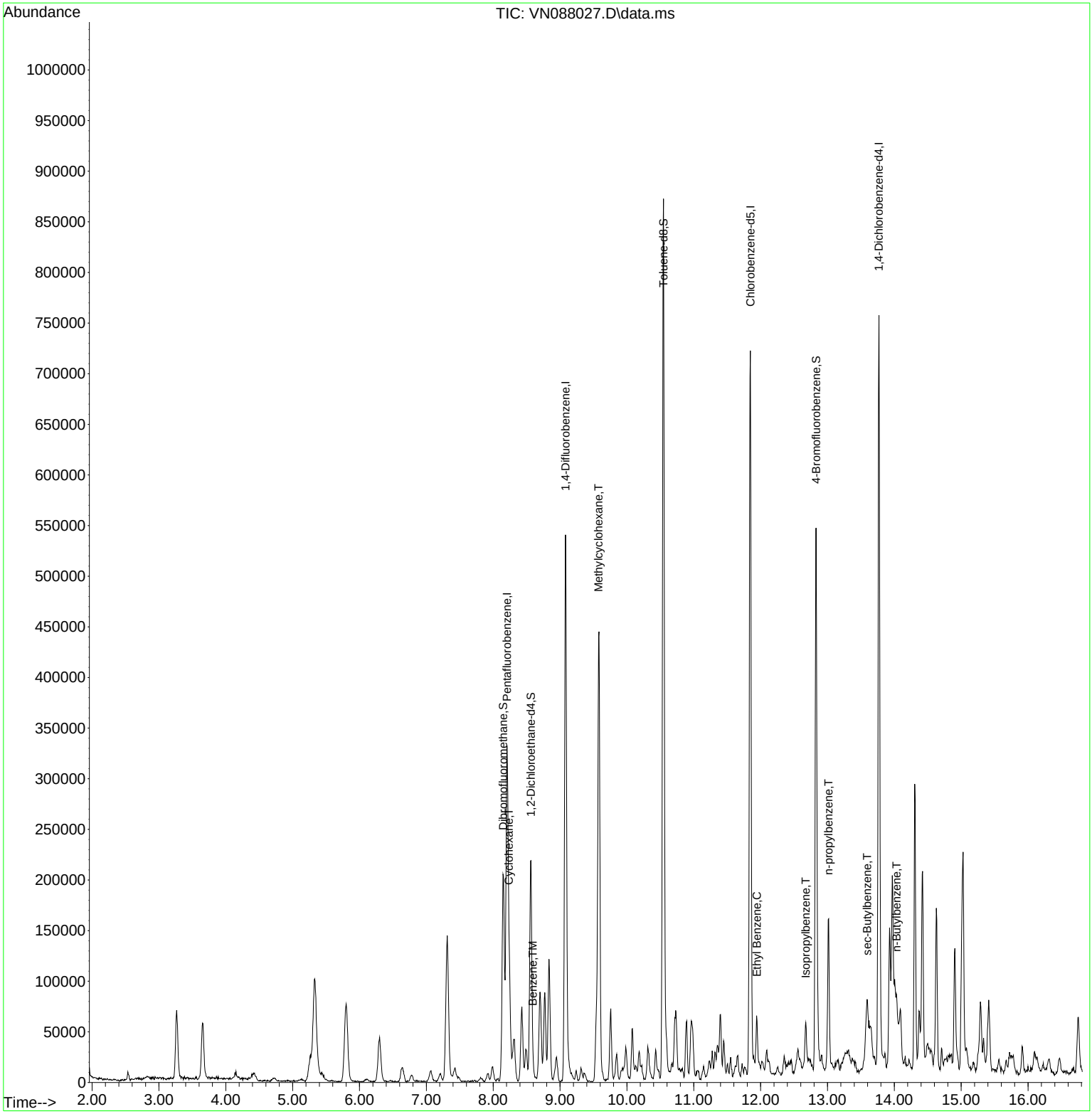

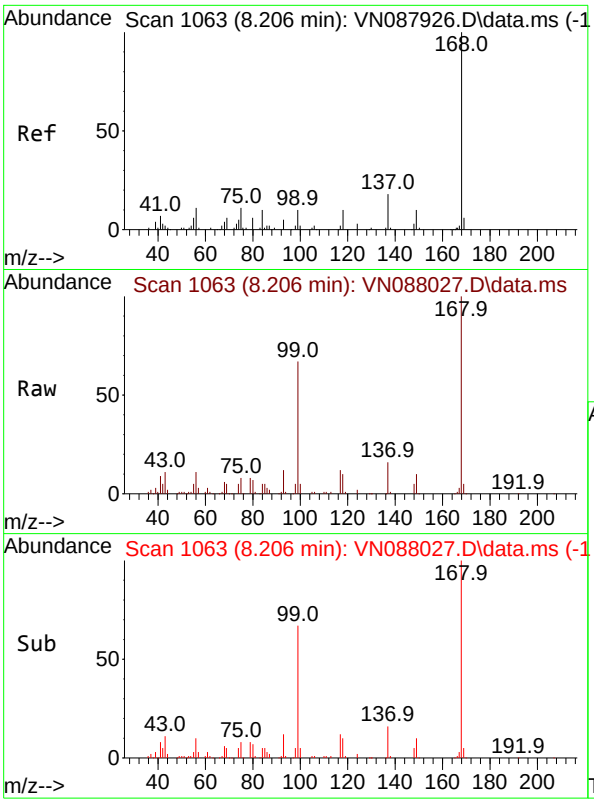

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:168 Resp: 19344

Ion	Ratio	Lower	Upper
168	100		
99	66.7	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
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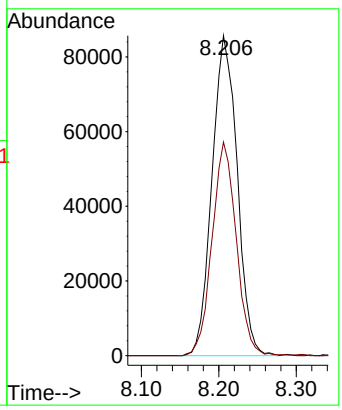
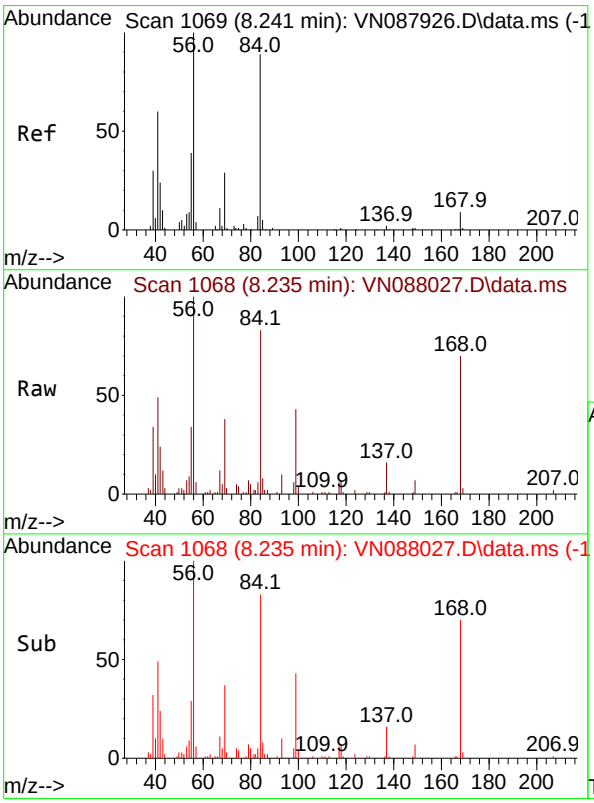
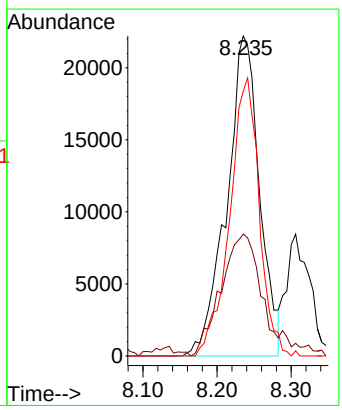


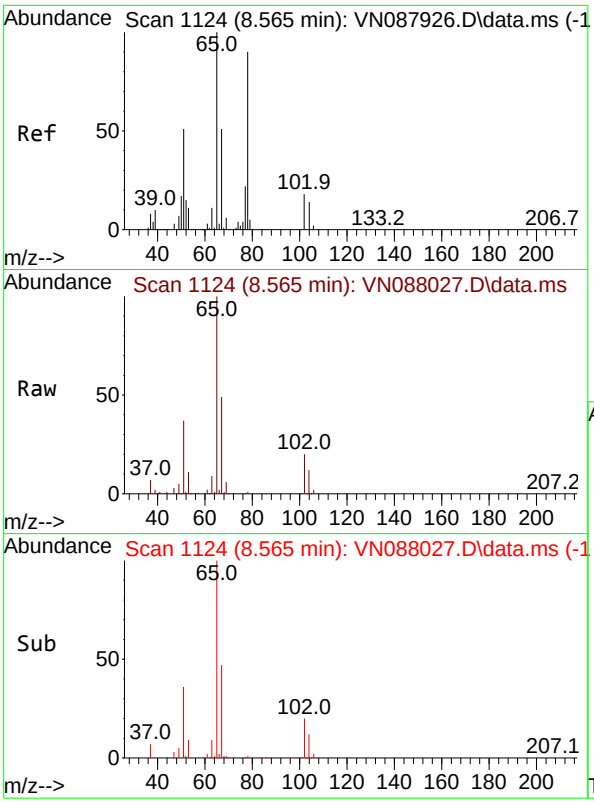


#31
Cyclohexane
Concen: 18.728 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 56 Resp: 68367

Ion	Ratio	Lower	Upper
56	100		
69	36.9	23.4	35.0#
84	82.9	70.8	106.2

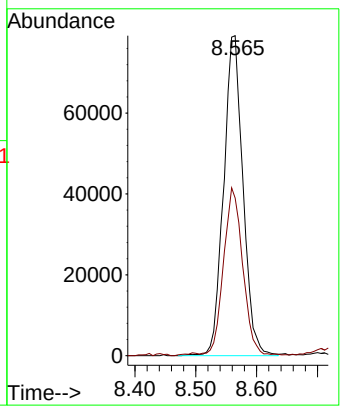




#33
1,2-Dichloroethane-d4
Concen: 53.792 ug/l
RT: 8.565 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 65 Resp: 17511

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
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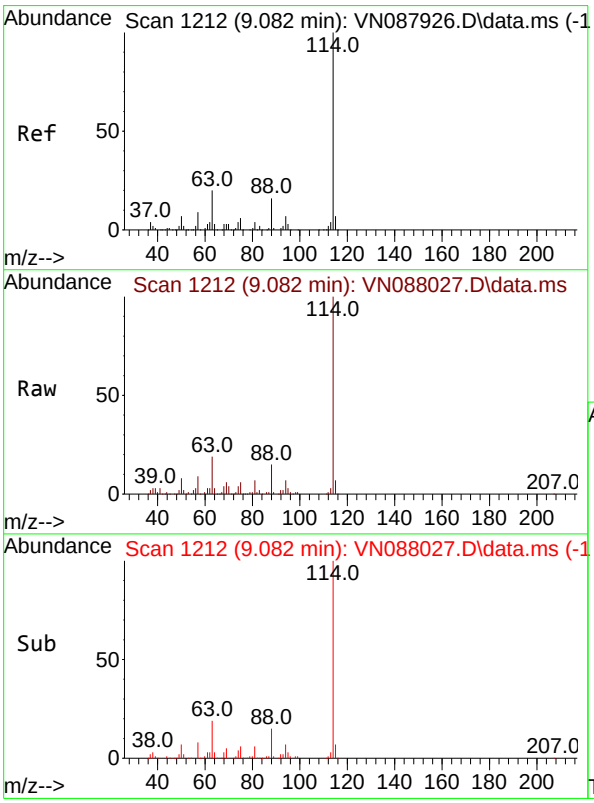
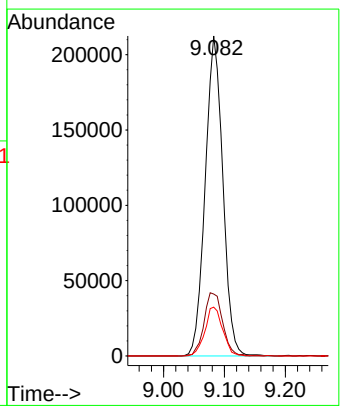
Supervised By :Semsettin Yesilyurt 10/06/2025

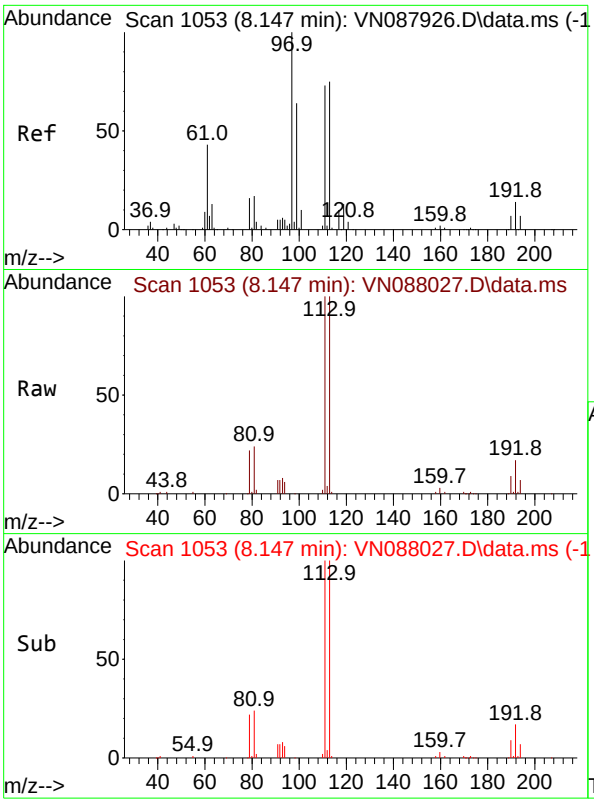


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:114 Resp: 426224

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	15.3	0.0	31.8

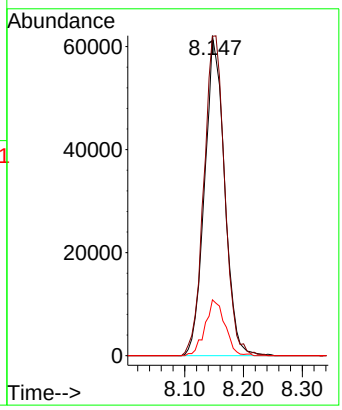




#35
Dibromofluoromethane
Concen: 47.265 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:113 Resp: 14626

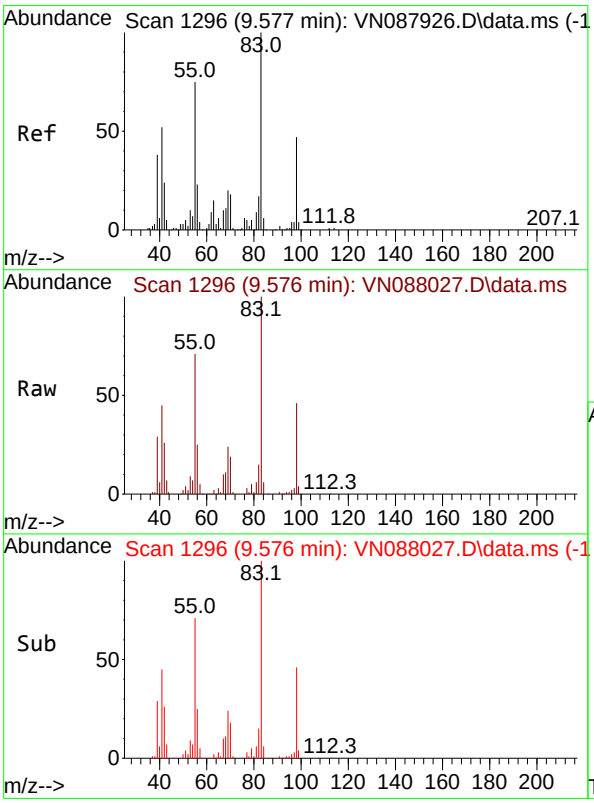
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.2	123.2
192	17.4	14.2	21.2



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

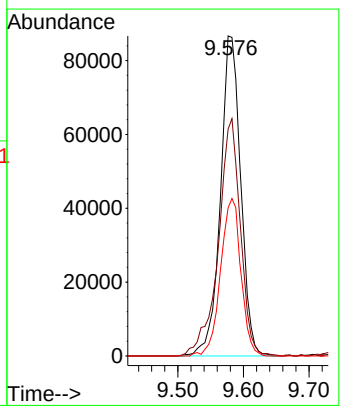
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

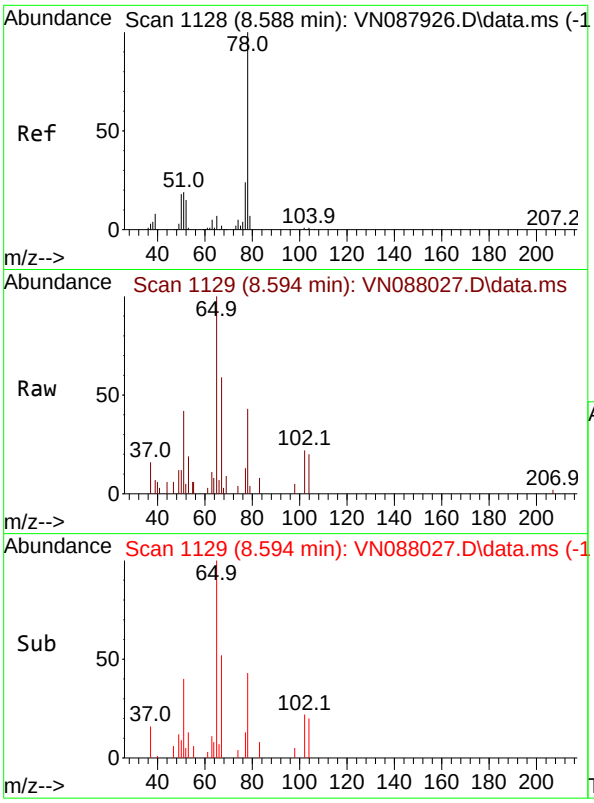


#39
Methylcyclohexane
Concen: 45.169 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 83 Resp: 185418

Ion	Ratio	Lower	Upper
83	100		
55	70.9	59.9	89.9
98	46.3	37.4	56.2

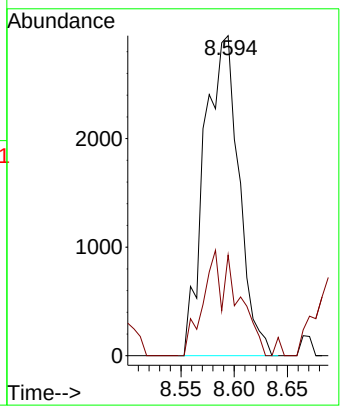




#40
Benzene
Concen: 0.538 ug/l
RT: 8.594 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 78 Resp: 663

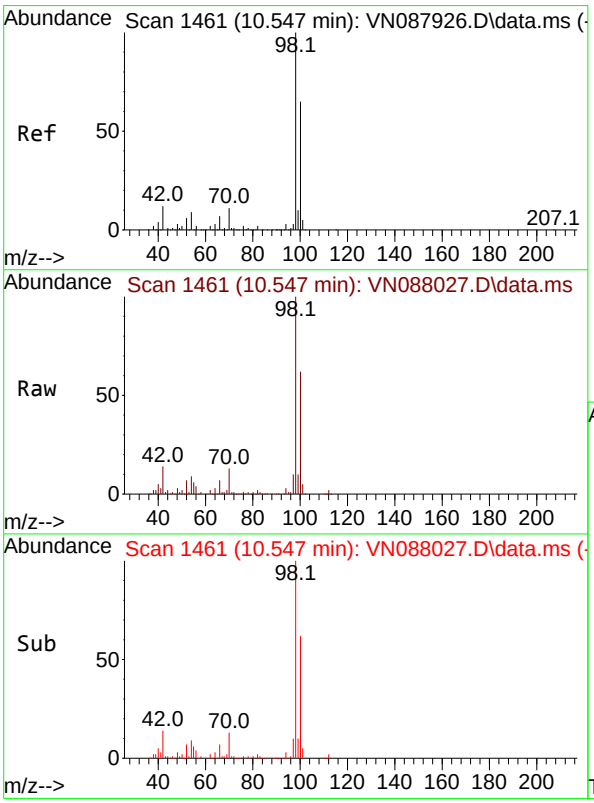
Ion	Ratio	Lower	Upper
78	100		
77	31.4	19.0	28.6



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

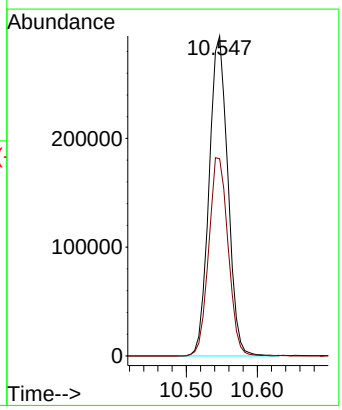
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

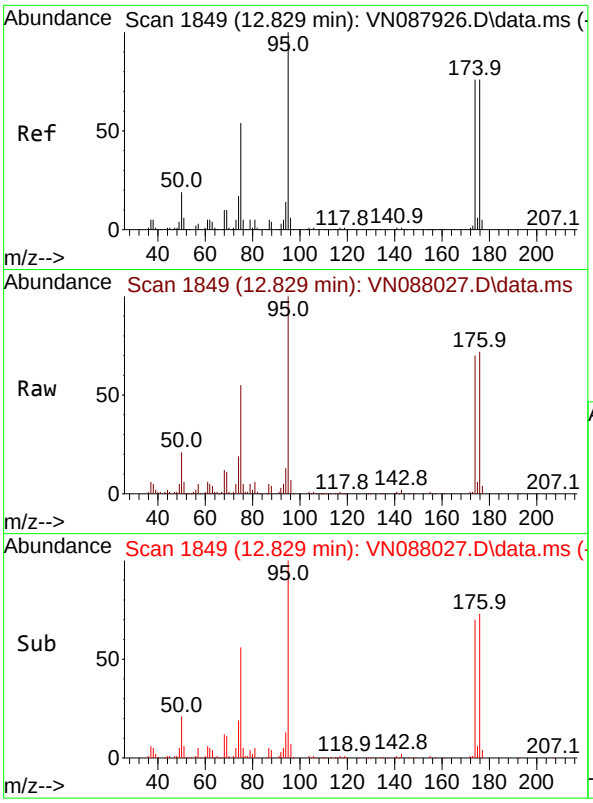


#50
Toluene-d8
Concen: 49.504 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 98 Resp: 538729

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#62
4-Bromofluorobenzene
Concen: 50.673 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 95 Resp: 19711

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	159.2
176	71.7	0.0	152.6

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
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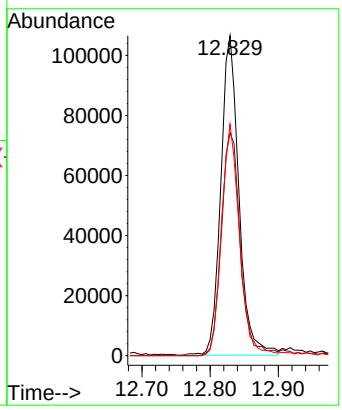
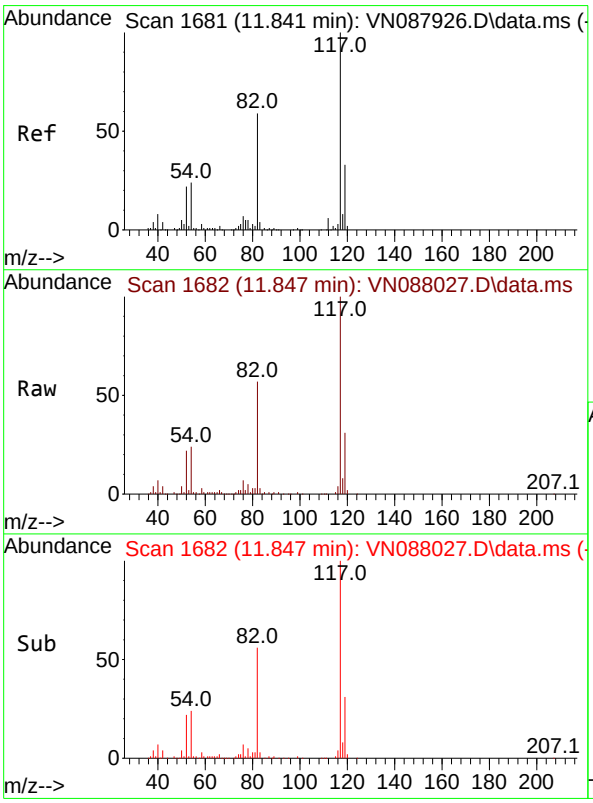
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

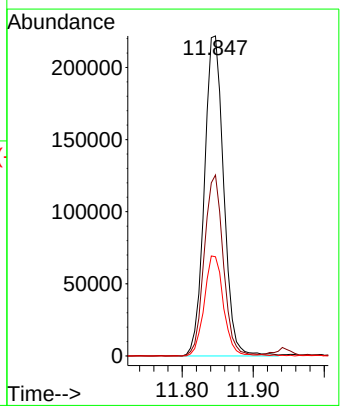


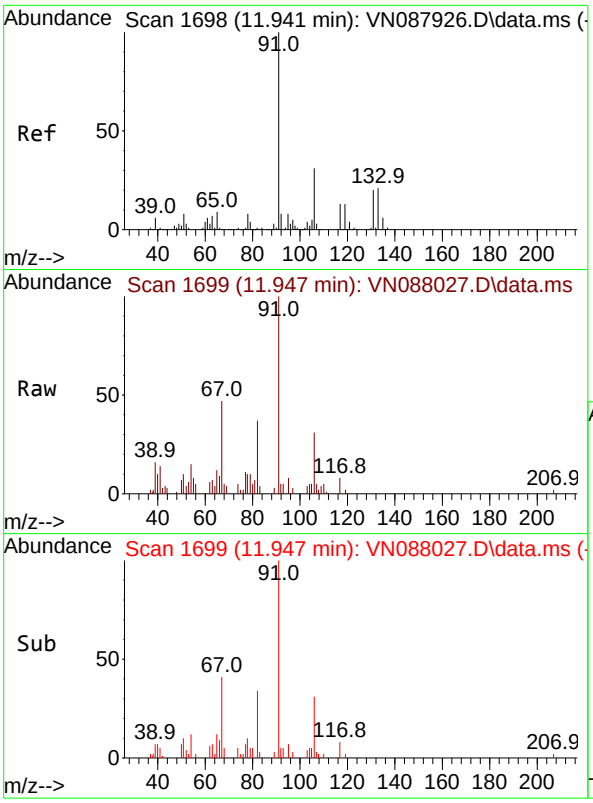


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:117 Resp: 419833

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.0	70.4
119	31.0	26.1	39.1

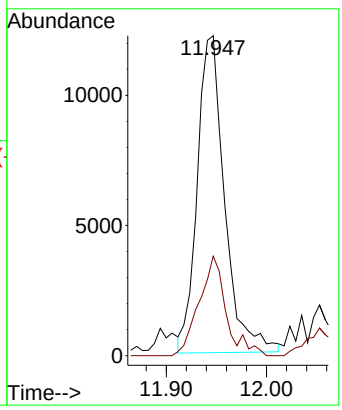




#67
Ethyl Benzene
Concen: 1.555 ug/l
RT: 11.947 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 91 Resp: 2318

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
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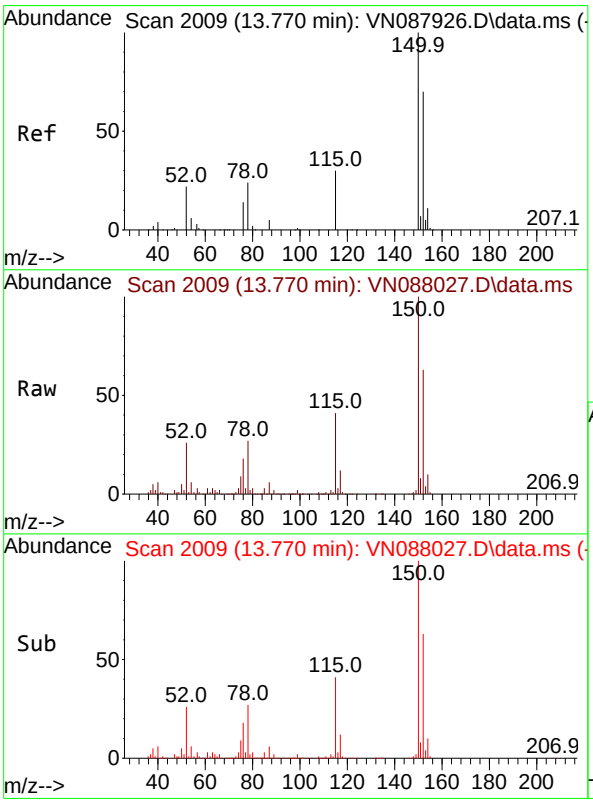
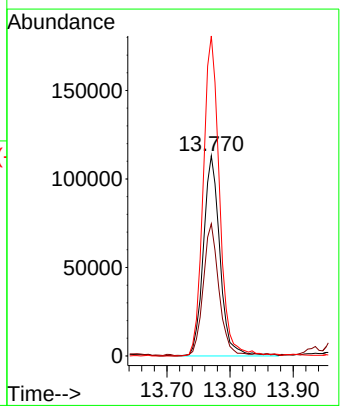
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

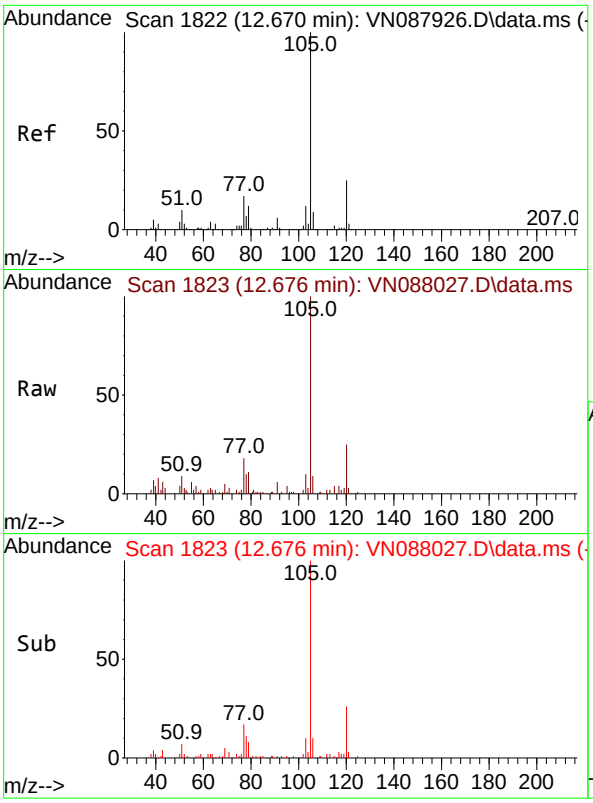


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:152 Resp: 205320

Ion	Ratio	Lower	Upper
152	100		
115	62.3	29.9	89.7
150	157.7	0.0	335.0

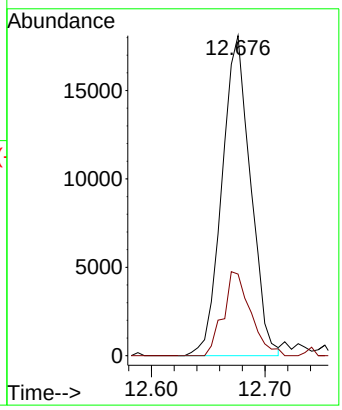




#73
Isopropylbenzene
Concen: 2.486 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:105 Resp: 3163

Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
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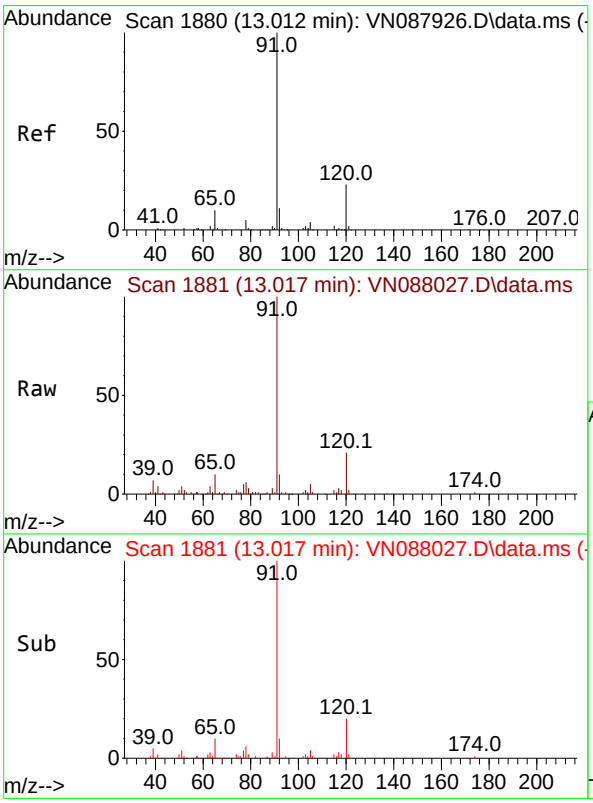
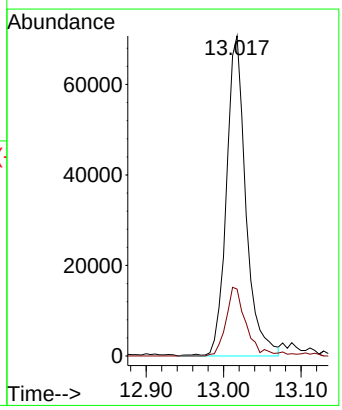
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

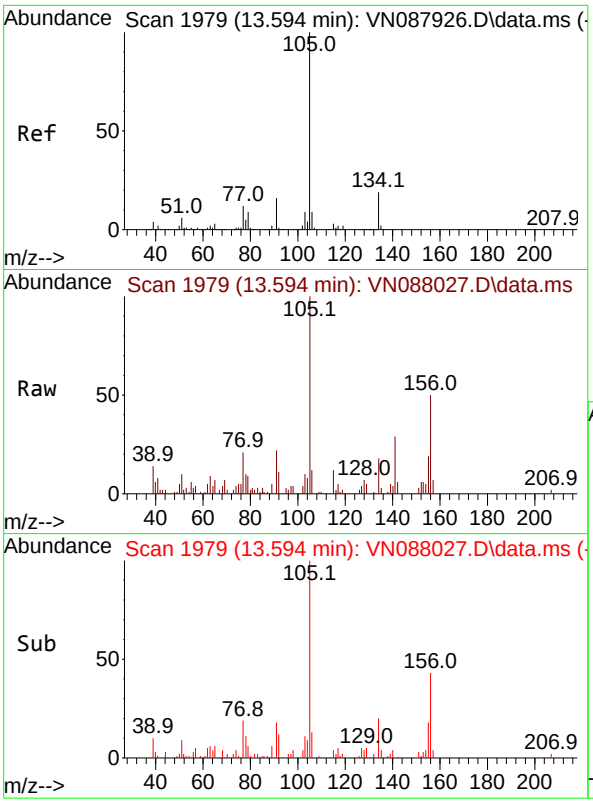


#78
n-propylbenzene
Concen: 7.726 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 91 Resp: 122920

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1

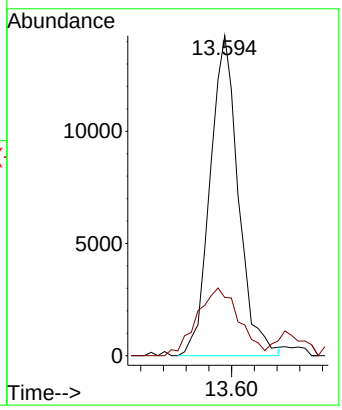




#85
sec-Butylbenzene
Concen: 1.806 ug/l
RT: 13.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:105 Resp: 2467

Ion	Ratio	Lower	Upper
105	100		
134	31.4	9.6	28.8#



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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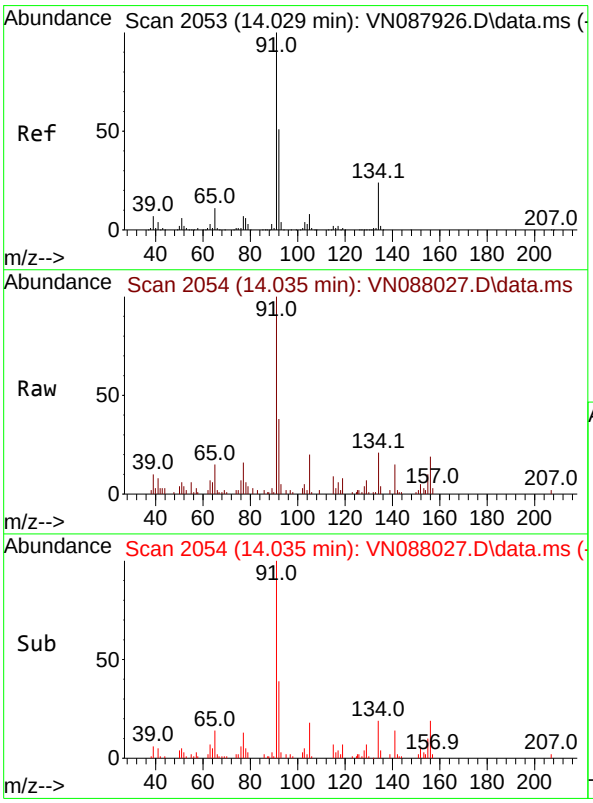
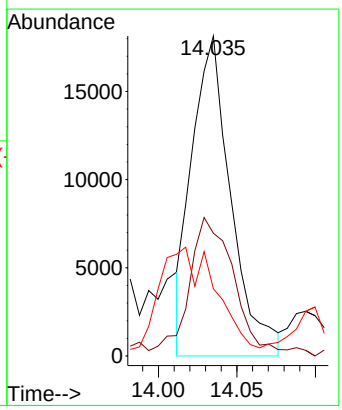


#89
n-Butylbenzene
Concen: 2.873 ug/l m
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 91 Resp: 31409

Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.8
134	50.9	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Time: Oct 04 02:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

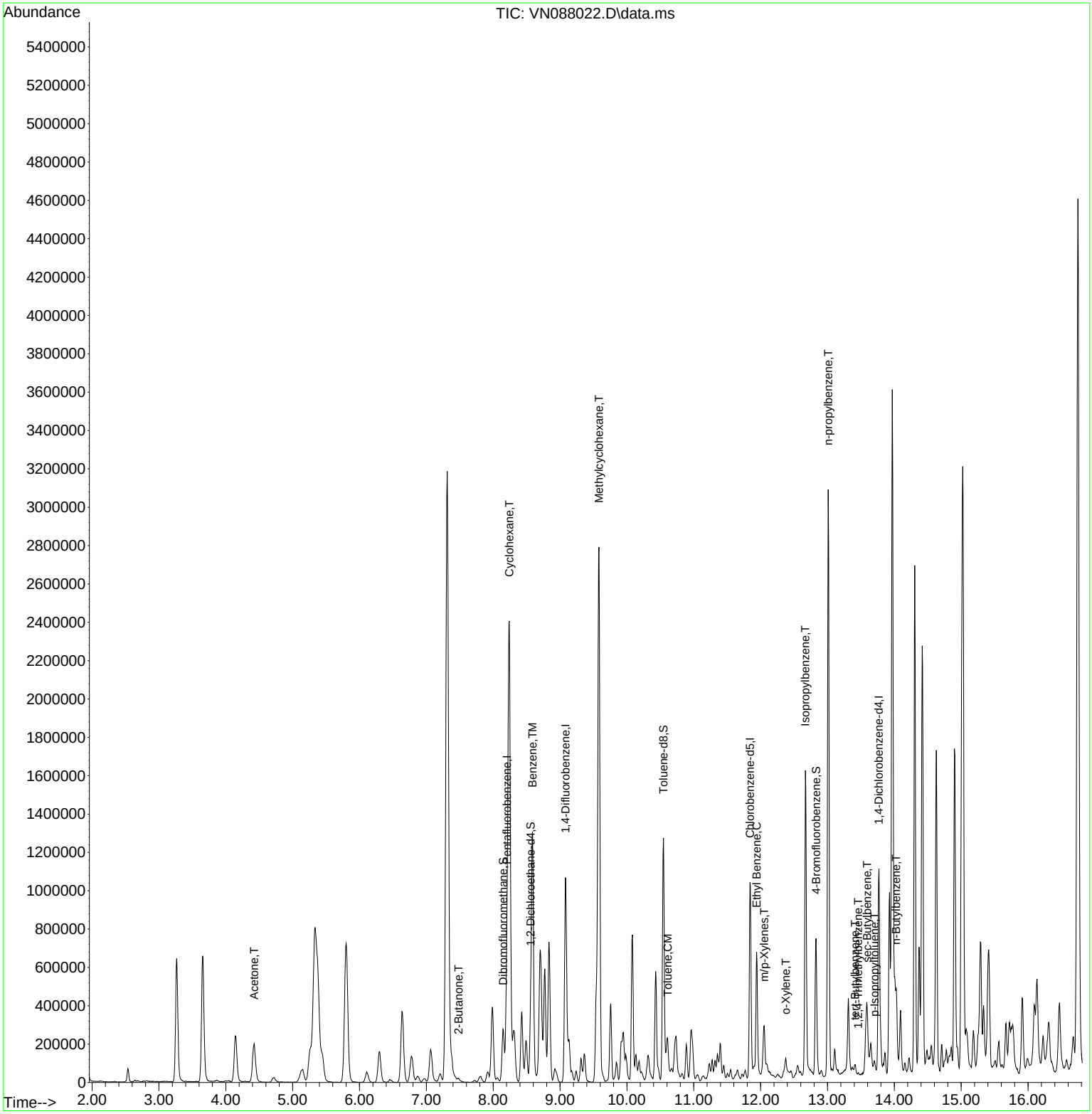
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	274294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	584137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	570238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	295091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	228064	49.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.820%		
35) Dibromofluoromethane	8.147	113	183432	43.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.500%		
50) Toluene-d8	10.547	98	682810	45.782	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.560%		
62) 4-Bromofluorobenzene	12.829	95	261988	49.143	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.280%		
Target Compounds						Qvalue
16) Acetone	4.424	43	343936	181.086	ug/l	97
25) 2-Butanone	7.483	43	15223	5.244	ug/l #	81
31) Cyclohexane	8.241	56	1363619	263.431	ug/l	96
39) Methylcyclohexane	9.582	83	1237115	219.900	ug/l	99
40) Benzene	8.588	78	1267518	75.065	ug/l	98
52) Toluene	10.612	92	75631	7.138	ug/l	93
67) Ethyl Benzene	11.941	91	411229	20.309	ug/l	97
68) m/p-Xylenes	12.053	106	88034	11.368	ug/l	91
69) o-Xylene	12.376	106	26208	3.522	ug/l	95
73) Isopropylbenzene	12.670	105	1061275	58.028	ug/l	100
78) n-propylbenzene	13.012	91	2432561	106.383	ug/l	100
83) tert-Butylbenzene	13.412	119	23219	1.734	ug/l	80
84) 1,2,4-Trimethylbenzene	13.459	105	11207	0.691	ug/l	88
85) sec-Butylbenzene	13.594	105	203166	10.349	ug/l #	72
86) p-Isopropyltoluene	13.706	119	31335	1.885	ug/l	96
89) n-Butylbenzene	14.029	91	244616	15.568	ug/l #	77

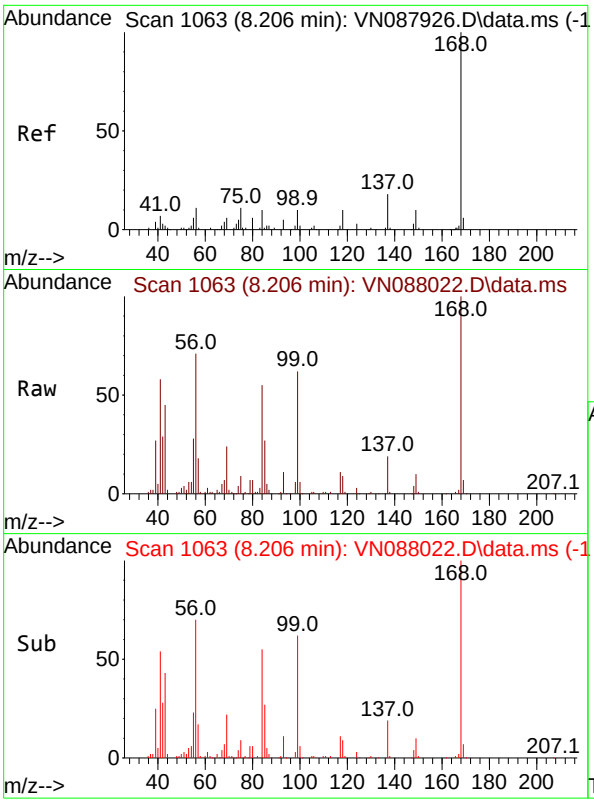
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Time: Oct 04 02:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



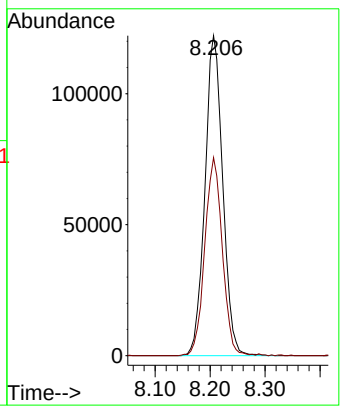


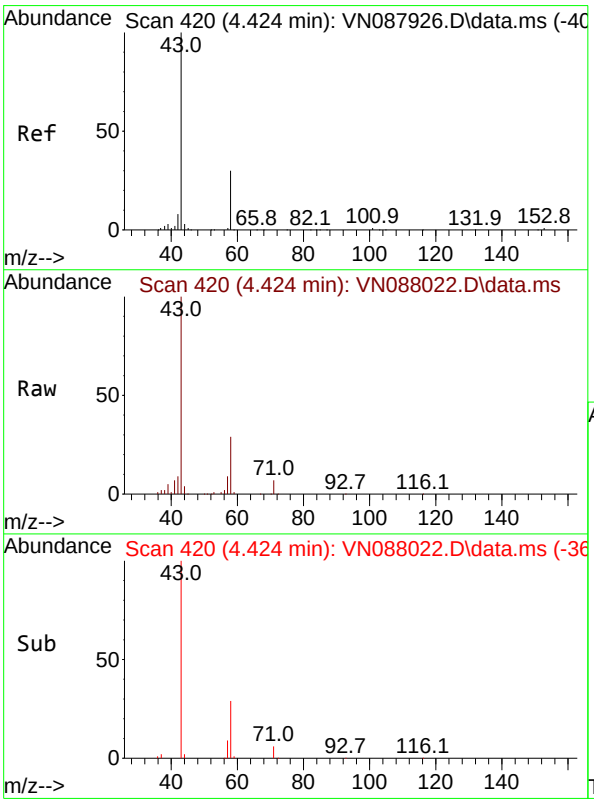
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:168 Resp: 274294

Ion	Ratio	Lower	Upper
168	100		
99	61.9	52.2	78.2

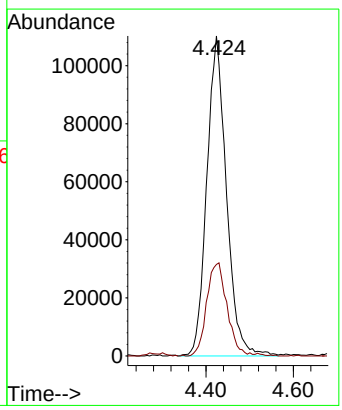


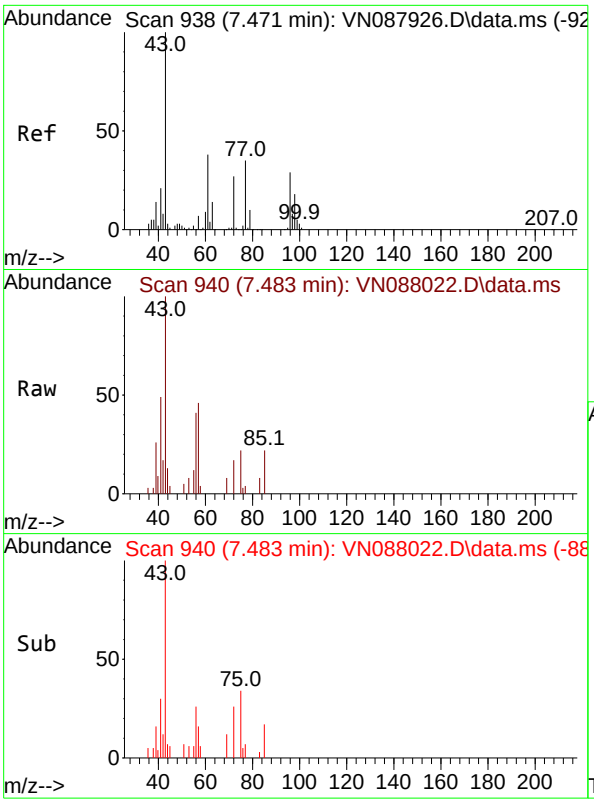


#16
Acetone
Concen: 181.086 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 43 Resp: 343936

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.1	36.1



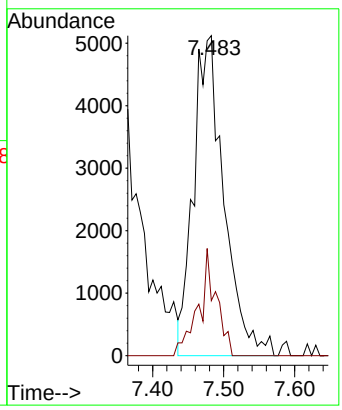


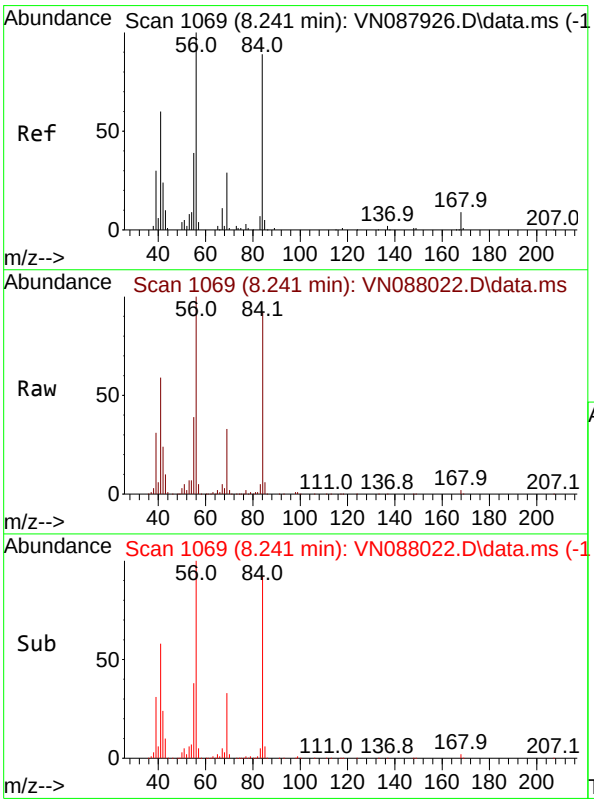
#25
2-Butanone
Concen: 5.244 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 43 Resp: 15223

Ion	Ratio	Lower	Upper
43	100		
72	17.2	21.5	32.3#

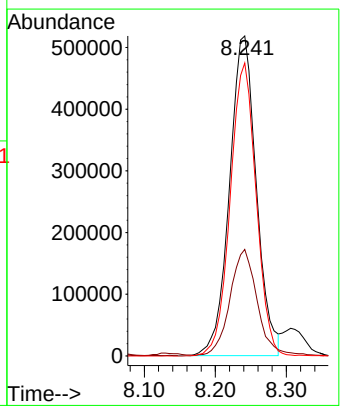


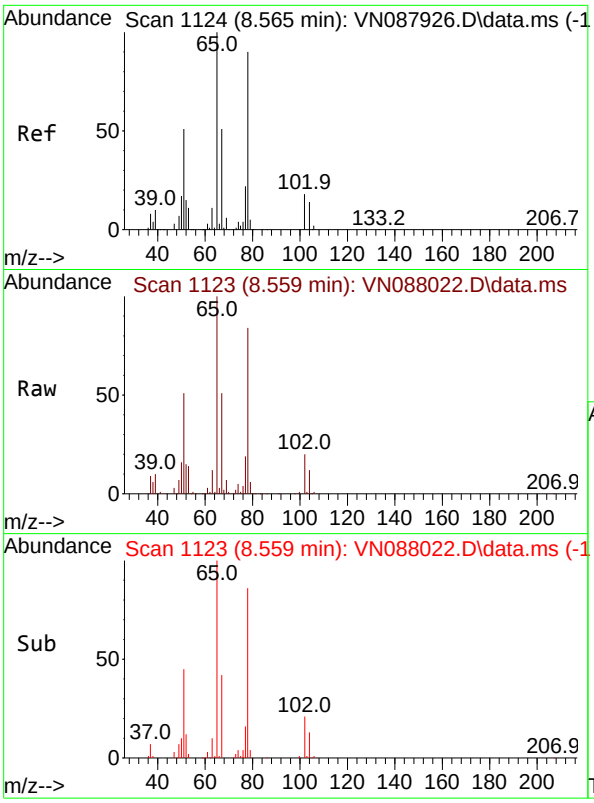


#31
Cyclohexane
Concen: 263.431 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 56 Resp: 1363619

Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.4	35.0
84	91.7	70.8	106.2



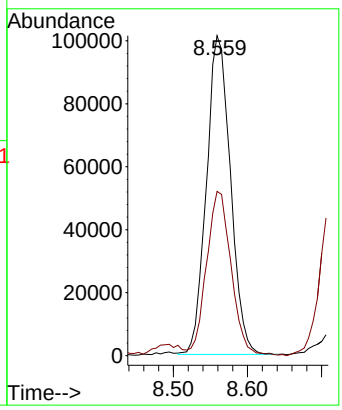


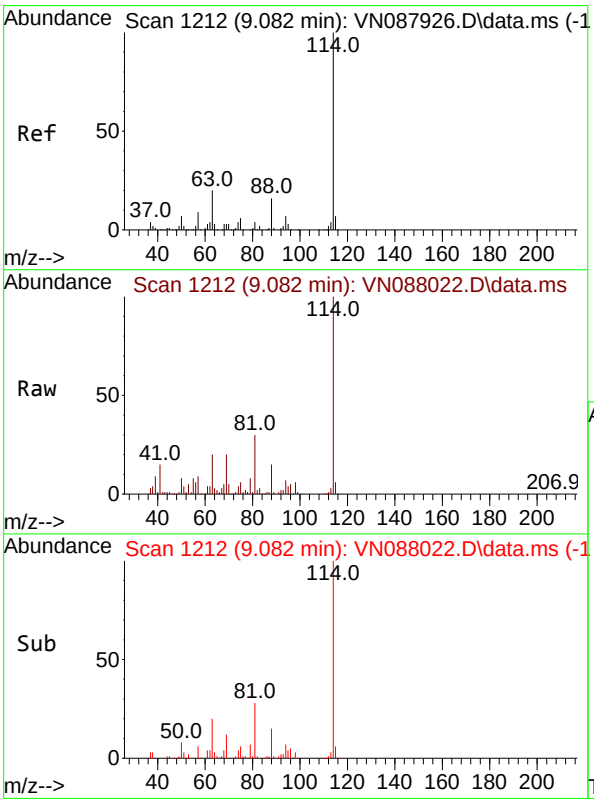
#33
1,2-Dichloroethane-d4
Concen: 49.406 ug/l
RT: 8.559 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 65 Resp: 228064

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4

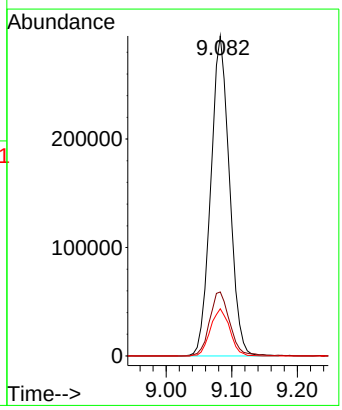


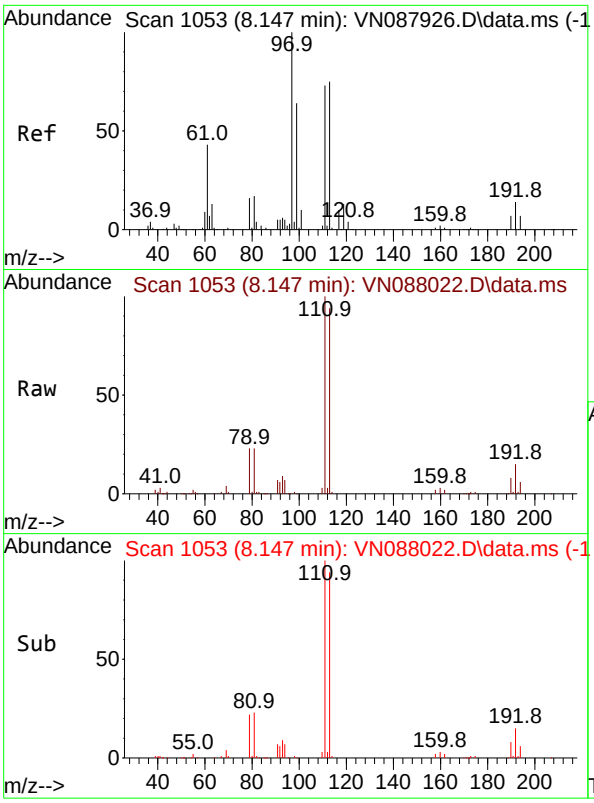


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:114 Resp: 584137

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	14.8	0.0	31.8



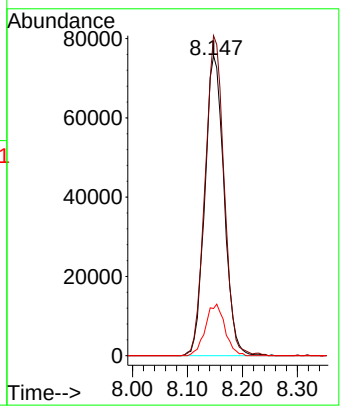


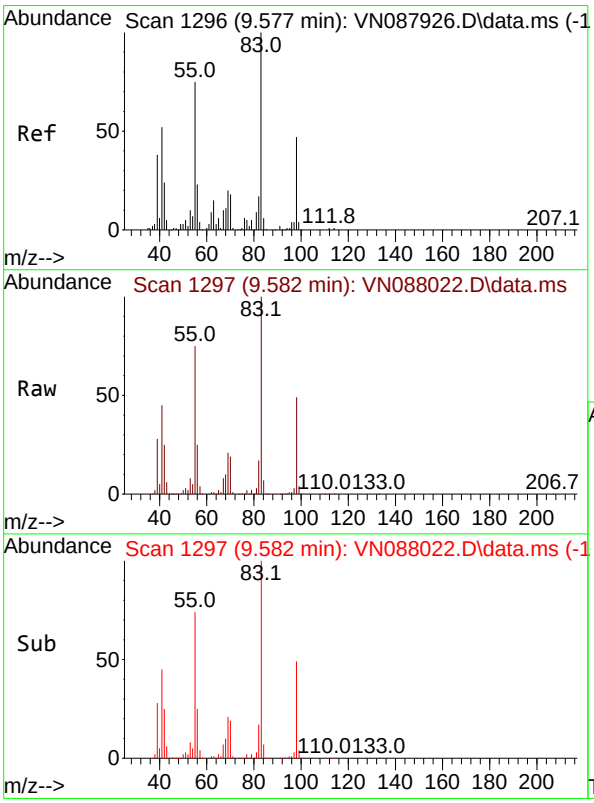
#35
Dibromofluoromethane
Concen: 43.250 ug/l
RT: 8.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:113 Resp: 183432

Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.2	123.2
192	17.5	14.2	21.2

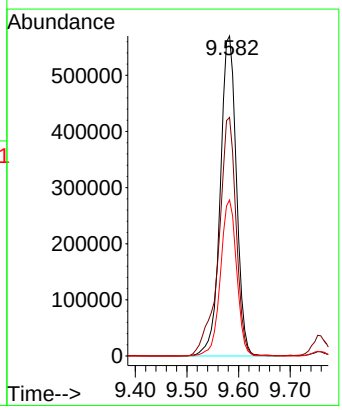


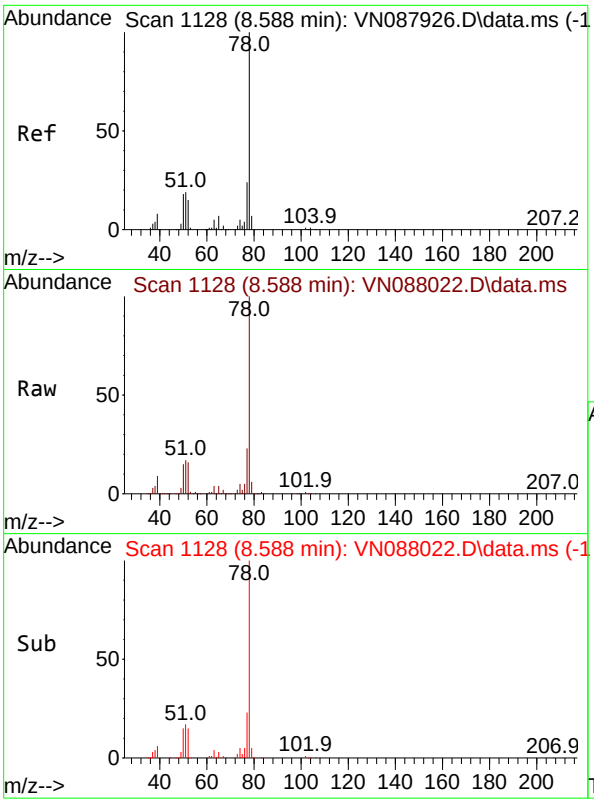


#39
Methylcyclohexane
Concen: 219.900 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 83 Resp: 1237115

Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.9	89.9
98	48.7	37.4	56.2



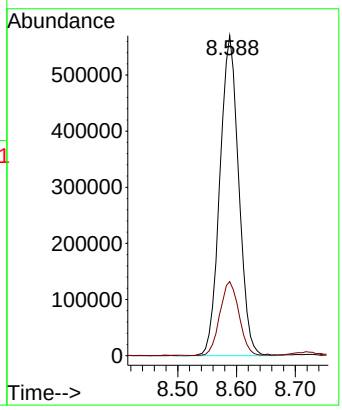


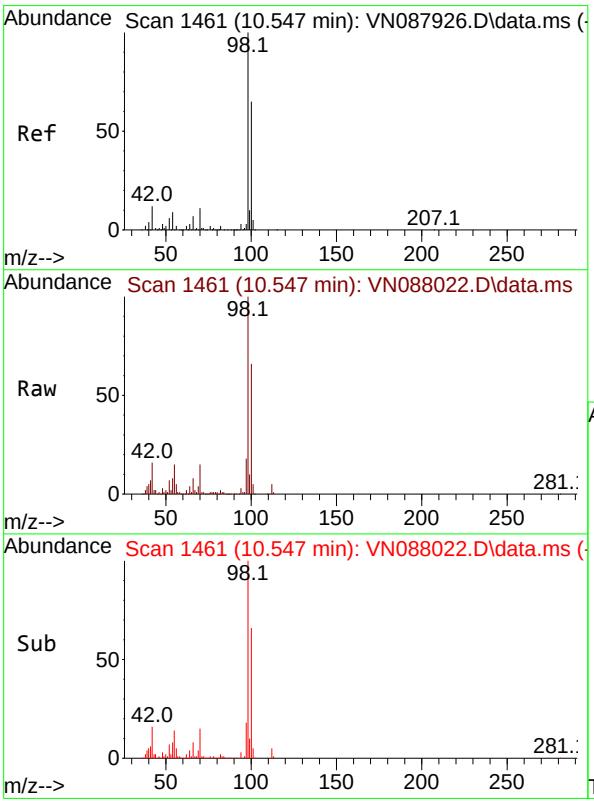
#40
Benzene
Concen: 75.065 ug/l
RT: 8.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 78 Resp: 1267518

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6

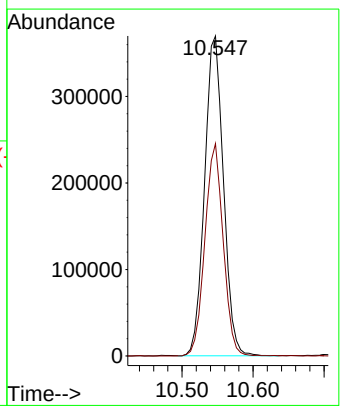


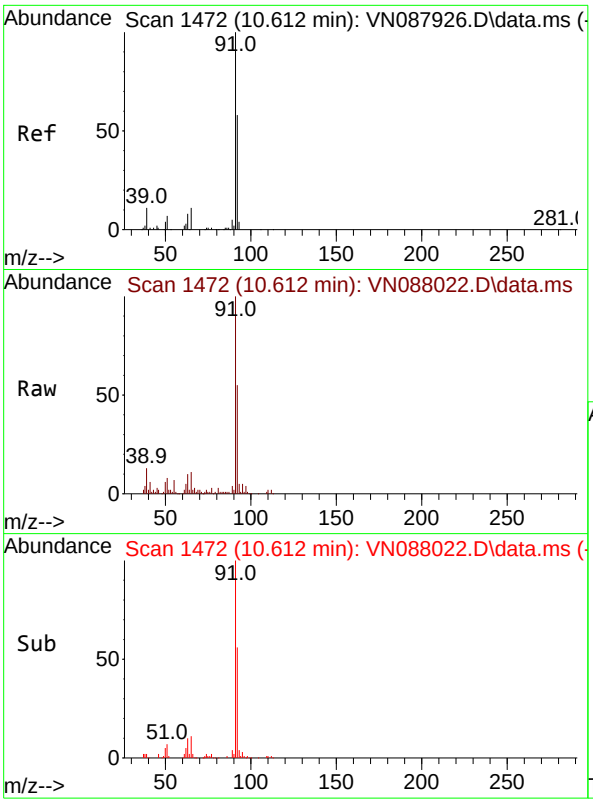


#50
Toluene-d8
Concen: 45.782 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 98 Resp: 682810

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5



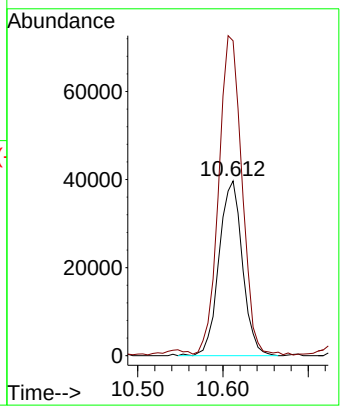


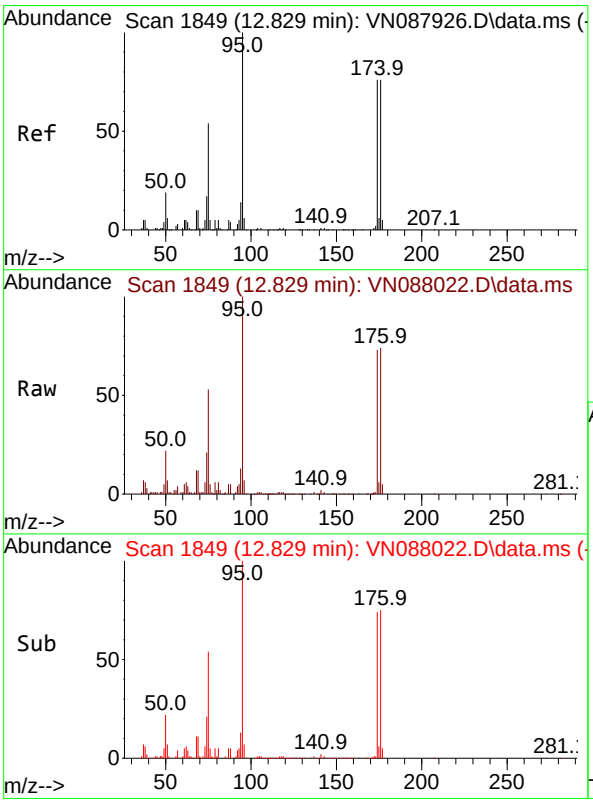
#52
Toluene
Concen: 7.138 ug/l
RT: 10.612 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 92 Resp: 75631

Ion	Ratio	Lower	Upper
92	100		
91	181.9	138.2	207.2

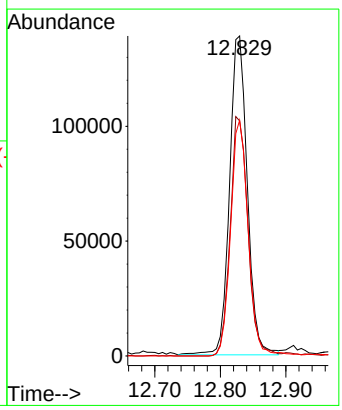


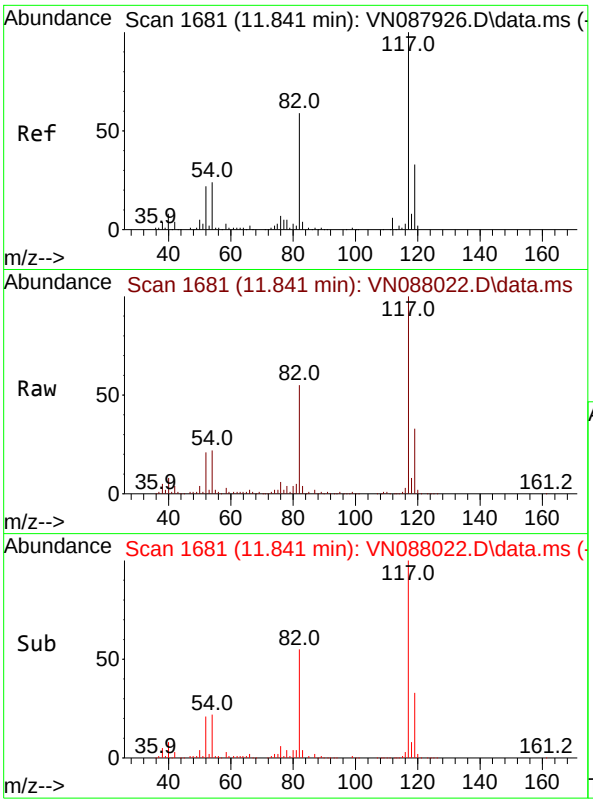


#62
4-Bromofluorobenzene
Concen: 49.143 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 95 Resp: 261988

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	159.2
176	73.2	0.0	152.6



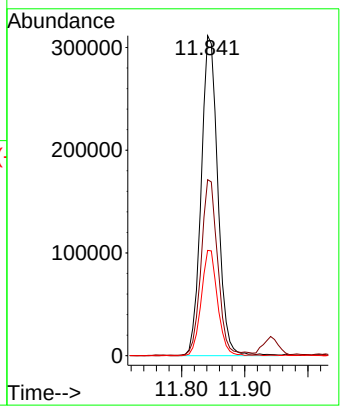


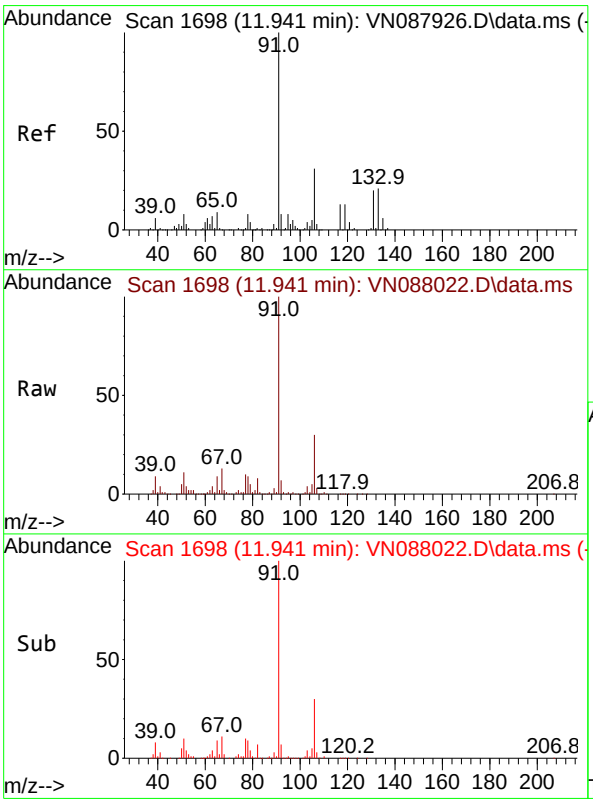
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:117 Resp: 570238

Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.0	70.4
119	32.9	26.1	39.1

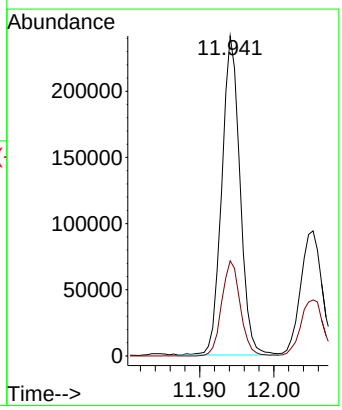


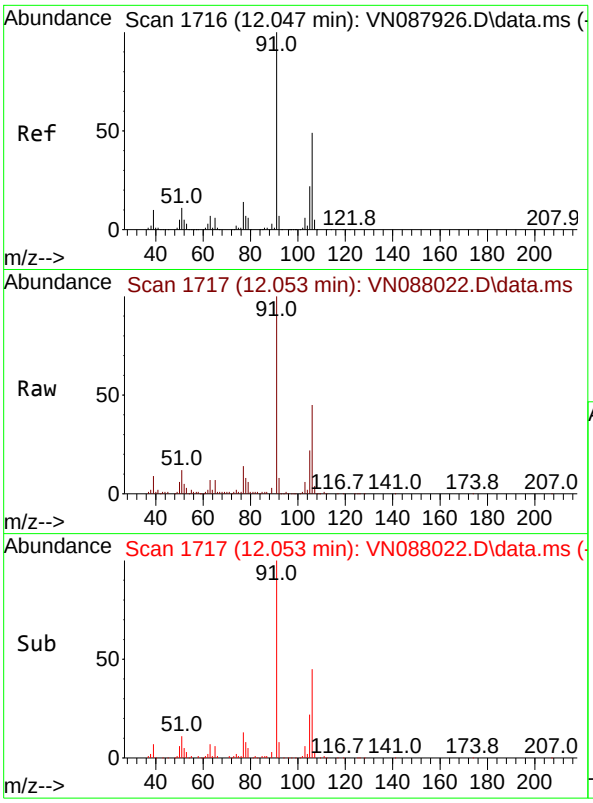


#67
Ethyl Benzene
Concen: 20.309 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 91 Resp: 411229

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.2	37.8



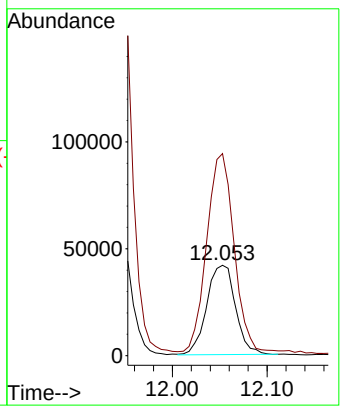


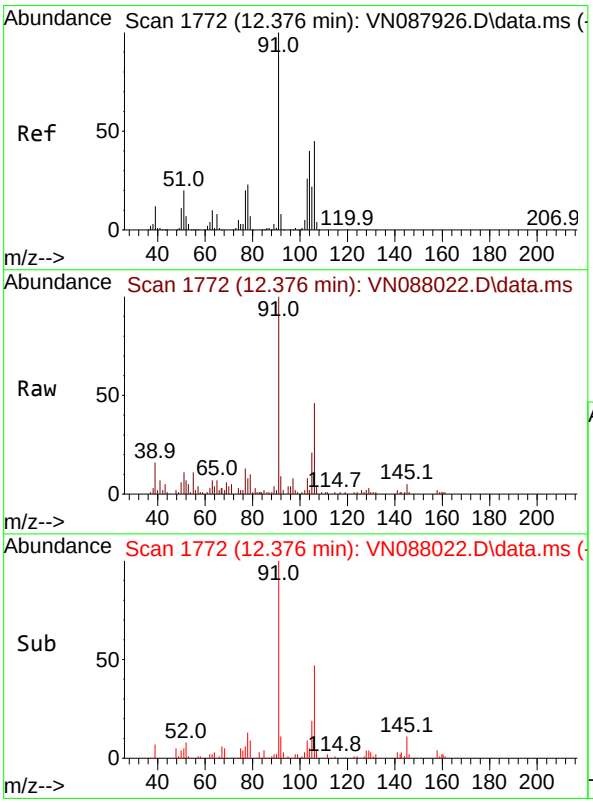
#68
m/p-Xylenes
Concen: 11.368 ug/l
RT: 12.053 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:106 Resp: 88034

Ion	Ratio	Lower	Upper
106	100		
91	217.7	162.9	244.3

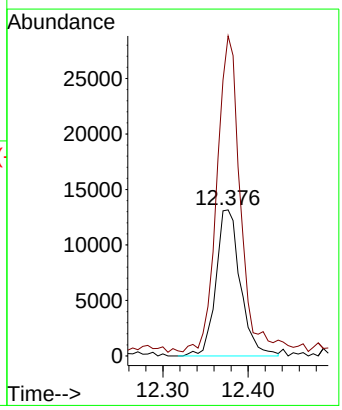


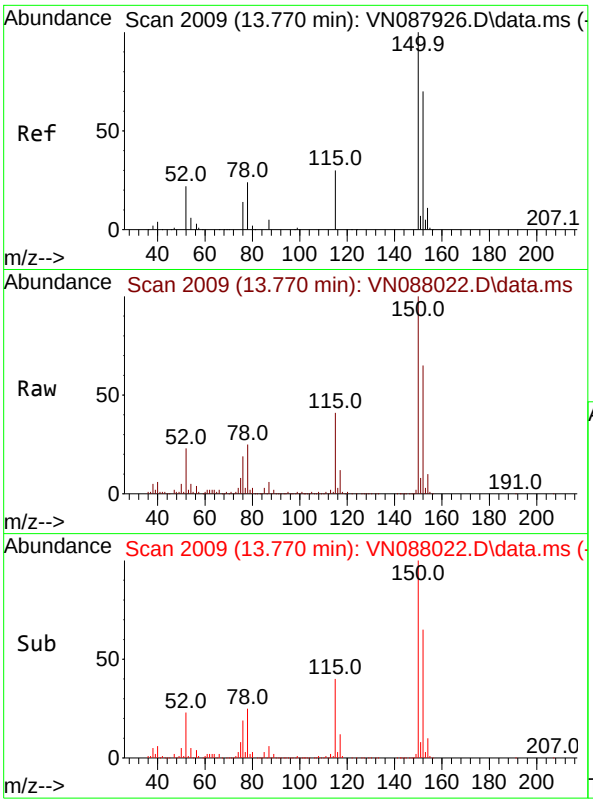


#69
o-Xylene
Concen: 3.522 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:106 Resp: 26208

Ion	Ratio	Lower	Upper
106	100		
91	208.0	108.2	324.6



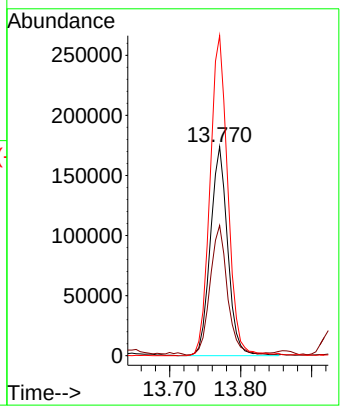


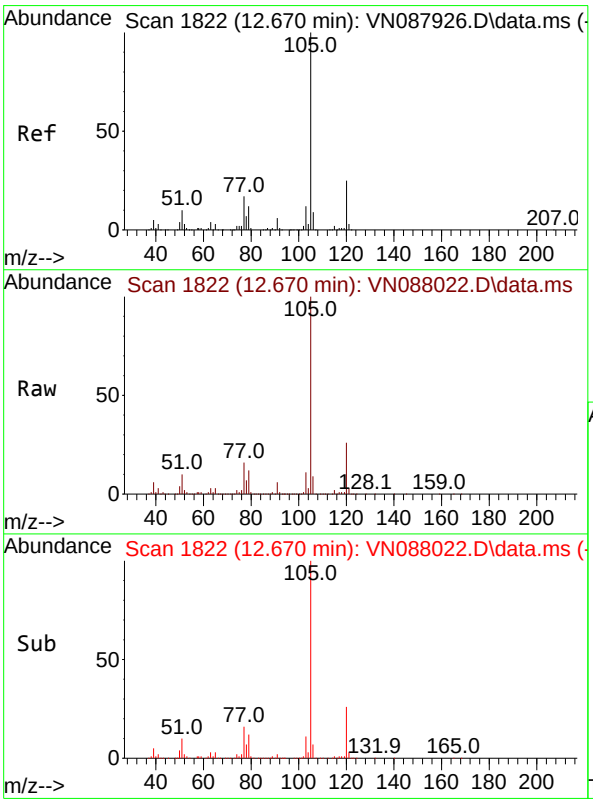
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:152 Resp: 295091

Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.9	89.7
150	157.1	0.0	335.0

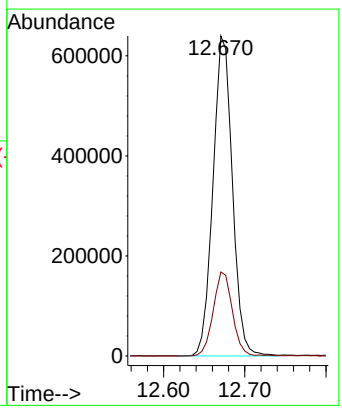


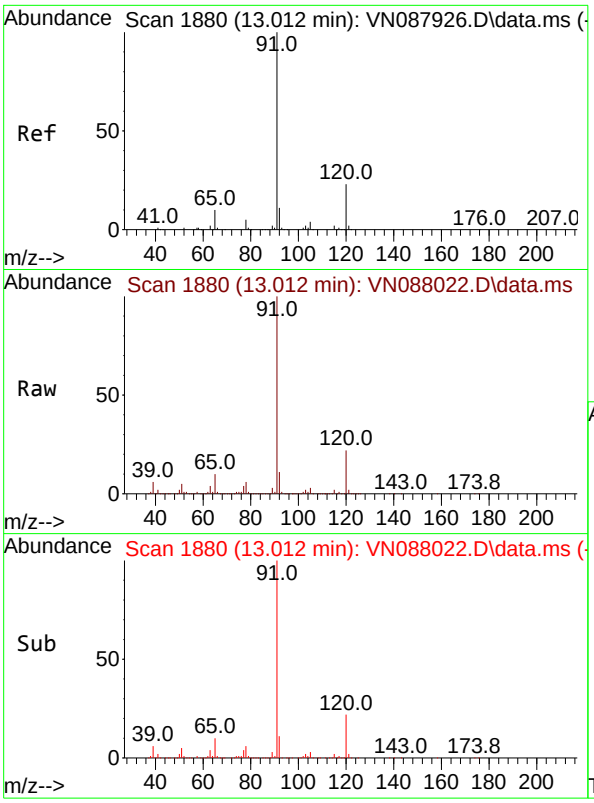


#73
Isopropylbenzene
Concen: 58.028 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:105 Resp: 1061275

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1



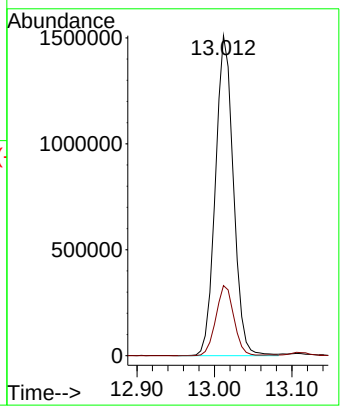


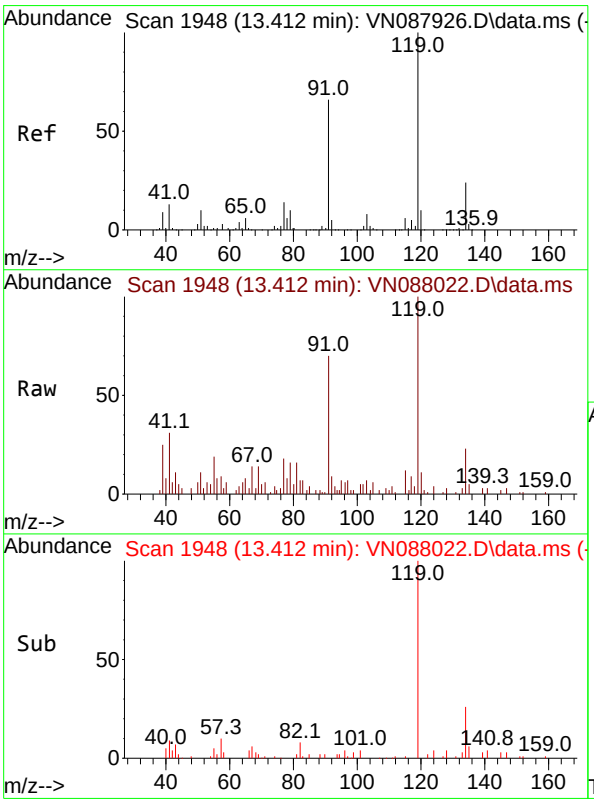
#78
n-propylbenzene
Concen: 106.383 ug/l
RT: 13.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 91 Resp: 2432561

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

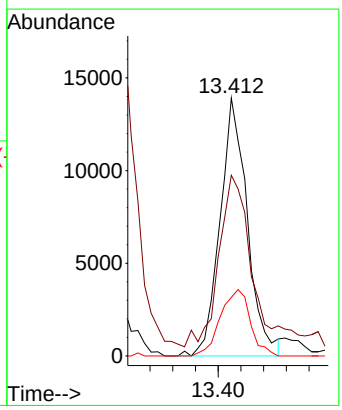


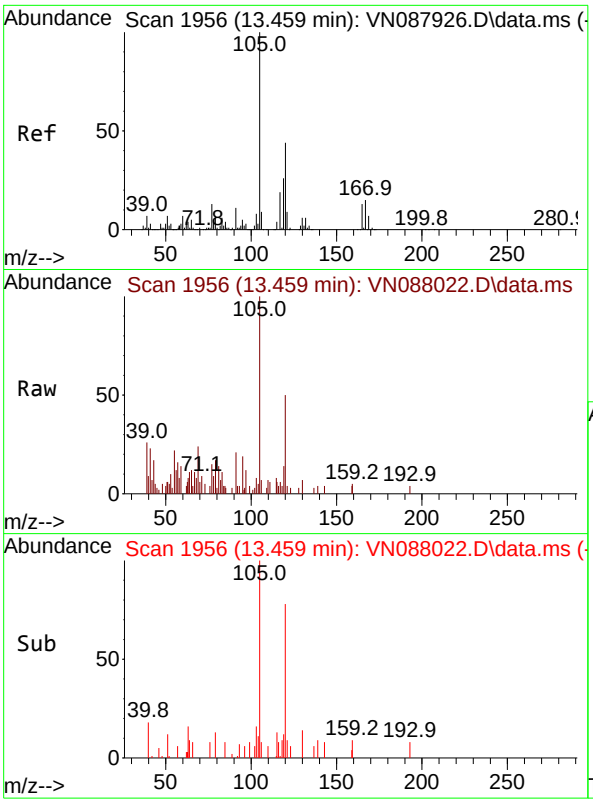


#83
tert-Butylbenzene
Concen: 1.734 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:119 Resp: 23219

Ion	Ratio	Lower	Upper
119	100		
91	83.4	32.1	96.3
134	28.1	12.3	36.8



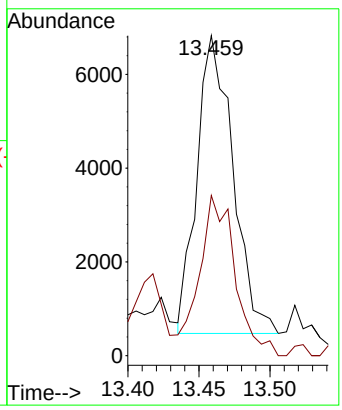


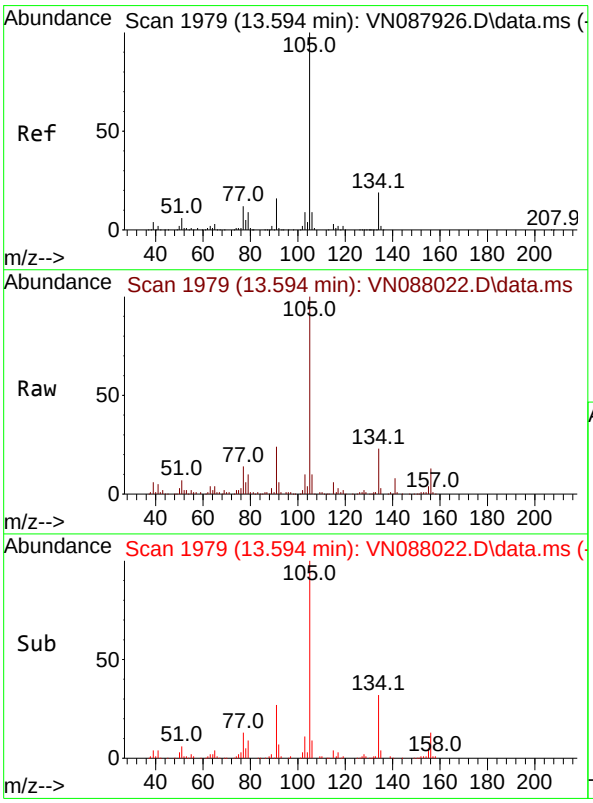
#84
1,2,4-Trimethylbenzene
Concen: 0.691 ug/l
RT: 13.459 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:105 Resp: 11207

Ion	Ratio	Lower	Upper
105	100		
120	52.7	22.4	67.3

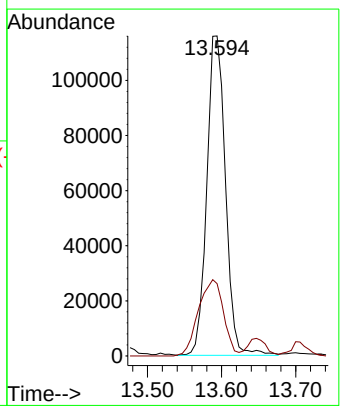


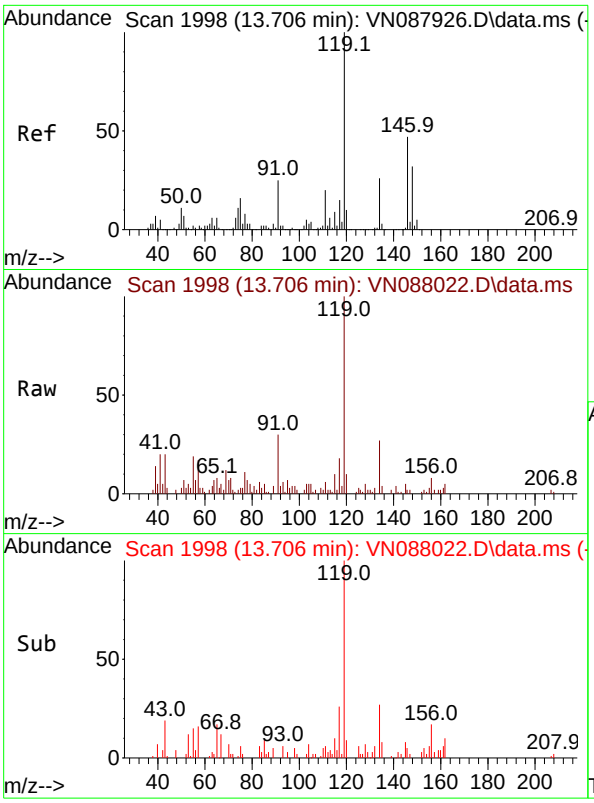


#85
sec-Butylbenzene
Concen: 10.349 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:105 Resp: 203166

Ion	Ratio	Lower	Upper
105	100		
134	32.0	9.6	28.8#



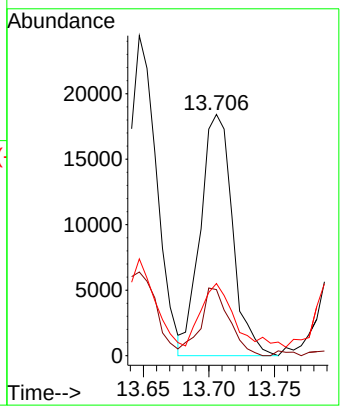


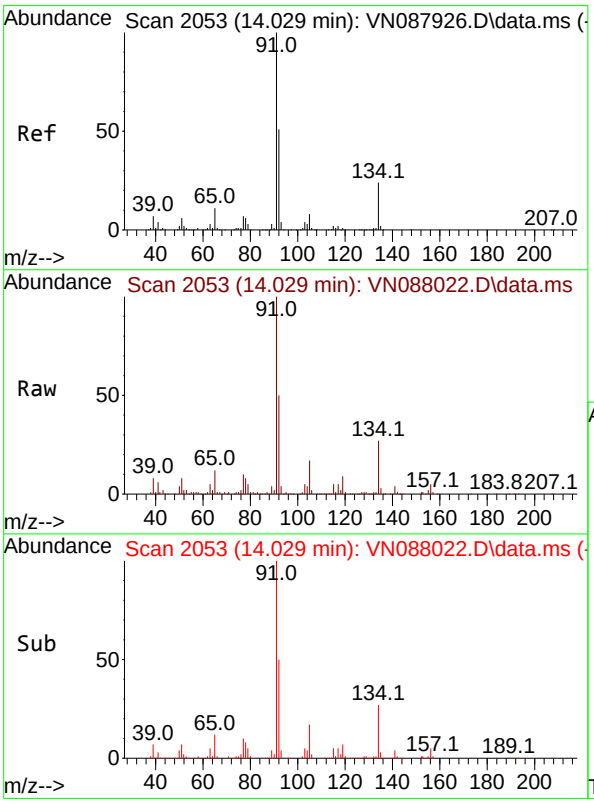
#86
p-Isopropyltoluene
Concen: 1.885 ug/l
RT: 13.706 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:119 Resp: 31335

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.3
91	27.0	11.9	35.5

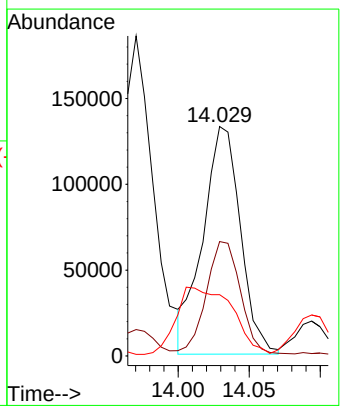




#89
n-Butylbenzene
Concen: 15.568 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 91 Resp: 244616

Ion	Ratio	Lower	Upper
91	100		
92	45.0	25.9	77.8
134	0.0	12.6	37.8#



Sample Results: **VN088022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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\82N092325W.M
Title : SW846 8260

Signal : TIC: VN088022.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.536	91	99	108	rBV	69628	128031	1.31%	0.099%
2	3.265	213	223	238	rBV	642083	1556713	15.89%	1.198%
3	3.653	278	289	302	rBV	656314	1713223	17.49%	1.319%
4	4.142	362	372	389	rVB2	238798	702938	7.18%	0.541%
5	4.424	408	420	441	rVB2	199798	647843	6.61%	0.499%
6	5.147	525	543	551	rBV7	66454	285425	2.91%	0.220%
7	5.336	551	575	608	rVB4	803300	5378302	54.91%	4.139%
8	5.800	637	654	675	rBV	722822	2527612	25.81%	1.945%
9	6.106	695	706	723	rVB4	54293	170897	1.74%	0.132%
10	6.300	728	739	750	rBV2	159528	492737	5.03%	0.379%
11	6.636	782	796	809	rBV	370028	1115772	11.39%	0.859%
12	6.777	810	820	830	rVV3	133007	422724	4.32%	0.325%
13	7.065	859	869	885	rVB5	165889	489777	5.00%	0.377%
14	7.206	885	893	899	rBV3	39959	105416	1.08%	0.081%
15	7.312	899	911	936	rVV	3171745	9352504	95.49%	7.198%
16	7.918	1006	1014	1018	rBV5	52037	132633	1.35%	0.102%
17	7.988	1018	1026	1034	rVB	377449	927356	9.47%	0.714%
18	8.147	1045	1053	1057	rBV2	269425	635712	6.49%	0.489%
19	8.241	1057	1069	1077	rVV2	2380424	7293420	74.47%	5.613%
20	8.312	1077	1081	1092	rVB5	266495	677718	6.92%	0.522%
21	8.430	1092	1101	1107	rBV	361679	841829	8.60%	0.648%
22	8.494	1107	1112	1118	rVB	170015	342666	3.50%	0.264%
23	8.588	1118	1128	1138	rVB2	1272491	3262098	33.31%	2.511%
24	8.706	1138	1148	1154	rBV5	655650	1803059	18.41%	1.388%
25	8.771	1154	1159	1164	rVB2	458737	849773	8.68%	0.654%
26	8.835	1164	1170	1179	rVB	719203	1628825	16.63%	1.254%
27	8.924	1179	1185	1199	rVB6	70077	218559	2.23%	0.168%
28	9.082	1202	1212	1219	rBV2	1066370	2518424	25.71%	1.938%
29	9.241	1234	1239	1245	rVB	54338	100119	1.02%	0.077%
30	9.312	1245	1251	1256	rBV	120809	251294	2.57%	0.193%
31	9.365	1256	1260	1268	rVB	141586	285758	2.92%	0.220%
32	9.582	1278	1297	1313	rBV	2789597	6915789	70.61%	5.323%
33	9.759	1313	1327	1334	rBV	405562	810766	8.28%	0.624%
34	9.841	1334	1341	1347	rVB3	90062	177753	1.81%	0.137%
35	9.947	1356	1359	1363	rVB2	141568	207275	2.12%	0.160%
36	9.982	1363	1365	1375	rVB4	128766	220762	2.25%	0.170%

Sample Results: **VN088022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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\82N092325W.M
Title : SW846 8260

37	10.082	1375	1382	1388	rBV	752863	1483190	15.14%	1.142%
38	10.135	1388	1391	1395	rVV4	81246	115955	1.18%	0.089%
39	10.318	1413	1422	1434	rBV5	127978	368848	3.77%	0.284%
40	10.429	1434	1441	1453	rVB	563786	1152950	11.77%	0.887%
41	10.547	1453	1461	1466	rBV	1259125	2380957	24.31%	1.832%
42	10.606	1467	1471	1478	rVB	174741	360763	3.68%	0.278%
43	10.735	1485	1493	1504	rVB4	212583	609139	6.22%	0.469%
44	10.888	1513	1519	1525	rBV3	177969	332642	3.40%	0.256%
45	10.965	1525	1532	1542	rVB4	253702	698909	7.14%	0.538%
46	11.235	1570	1578	1581	rBV4	77452	168580	1.72%	0.130%
47	11.276	1581	1585	1588	rVV2	91710	149720	1.53%	0.115%
48	11.318	1588	1592	1595	rVV3	88241	160912	1.64%	0.124%
49	11.353	1595	1598	1602	rVV3	122943	232775	2.38%	0.179%
50	11.394	1602	1605	1610	rVV2	177701	306932	3.13%	0.236%
51	11.653	1638	1649	1656	rBV10	46880	126690	1.29%	0.098%
52	11.841	1674	1681	1688	rBV	1019944	1871201	19.11%	1.440%
53	11.941	1693	1698	1708	rVB	636914	1086028	11.09%	0.836%
54	12.053	1709	1717	1722	rBV	251056	543167	5.55%	0.418%
55	12.376	1762	1772	1782	rBV5	99184	300701	3.07%	0.231%
56	12.553	1792	1802	1807	rBV6	61703	162961	1.66%	0.125%
57	12.670	1814	1822	1838	rBV	1590611	2751430	28.09%	2.118%
58	12.829	1842	1849	1857	rVV	718671	1327144	13.55%	1.021%
59	13.012	1873	1880	1887	rBV	3054797	4912791	50.16%	3.781%
60	13.106	1892	1896	1902	rBV	110480	172044	1.76%	0.132%
61	13.312	1924	1931	1938	rVB	372935	638169	6.52%	0.491%
62	13.588	1969	1978	1984	rBV2	372631	950904	9.71%	0.732%
63	13.647	1985	1988	1994	rVB3	119584	191200	1.95%	0.147%
64	13.770	2002	2009	2018	rBV2	1050745	1979464	20.21%	1.523%
65	13.859	2021	2024	2029	rVB	106831	163867	1.67%	0.126%
66	13.929	2029	2036	2038	rBV	943386	1476562	15.08%	1.136%
67	13.970	2038	2043	2048	rVB	3065745	4662112	47.60%	3.588%
68	14.094	2059	2064	2071	rVB3	313281	555371	5.67%	0.427%
69	14.223	2081	2086	2093	rVB2	72531	124633	1.27%	0.096%
70	14.306	2093	2100	2106	rBV	2640078	4061511	41.47%	3.126%
71	14.370	2106	2111	2114	rVV	603715	939429	9.59%	0.723%
72	14.417	2114	2119	2126	rVB2	2180452	3820293	39.01%	2.940%
73	14.488	2126	2131	2135	rBV4	70689	123993	1.27%	0.095%
74	14.553	2139	2142	2147	rVB	98580	147005	1.50%	0.113%
75	14.629	2147	2155	2164	rVB	1673264	2798152	28.57%	2.154%
76	14.706	2164	2168	2172	rBV	139368	212498	2.17%	0.164%

Sample Results: **VN088022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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\82N092325W.M
Title : SW846 8260

77	14.776	2173	2180	2184	rBV2	87559	169820	1.73%	0.131%
78	14.900	2196	2201	2207	rBV	1627691	2723031	27.80%	2.096%
79	15.023	2213	2222	2229	rBV3	3136959	7431489	75.88%	5.720%
80	15.182	2244	2249	2255	rBV3	192940	353099	3.61%	0.272%
81	15.288	2255	2267	2272	rVV2	654049	1672064	17.07%	1.287%
82	15.335	2272	2275	2280	rVV2	323556	568031	5.80%	0.437%
83	15.411	2280	2288	2296	rVB2	613931	1525709	15.58%	1.174%
84	15.564	2308	2314	2320	rVB4	132221	239772	2.45%	0.185%
85	15.670	2326	2332	2336	rBV2	231548	440639	4.50%	0.339%
86	15.723	2336	2341	2344	rBV4	166346	318591	3.25%	0.245%
87	15.911	2366	2373	2381	rBV	393241	857542	8.76%	0.660%
88	16.094	2396	2404	2407	rVV3	313778	694206	7.09%	0.534%
89	16.135	2407	2411	2421	rVB	438387	909118	9.28%	0.700%
90	16.223	2421	2426	2432	rBV3	142130	275571	2.81%	0.212%
91	16.311	2434	2441	2457	rVB3	260546	824734	8.42%	0.635%
92	16.470	2459	2468	2480	rBV3	356831	925733	9.45%	0.712%
93	16.676	2494	2503	2507	rBV6	163003	396021	4.04%	0.305%
94	16.747	2507	2515	2522	rBV	4454430	9794154	100.00%	7.538%

Sum of corrected areas: 129932418

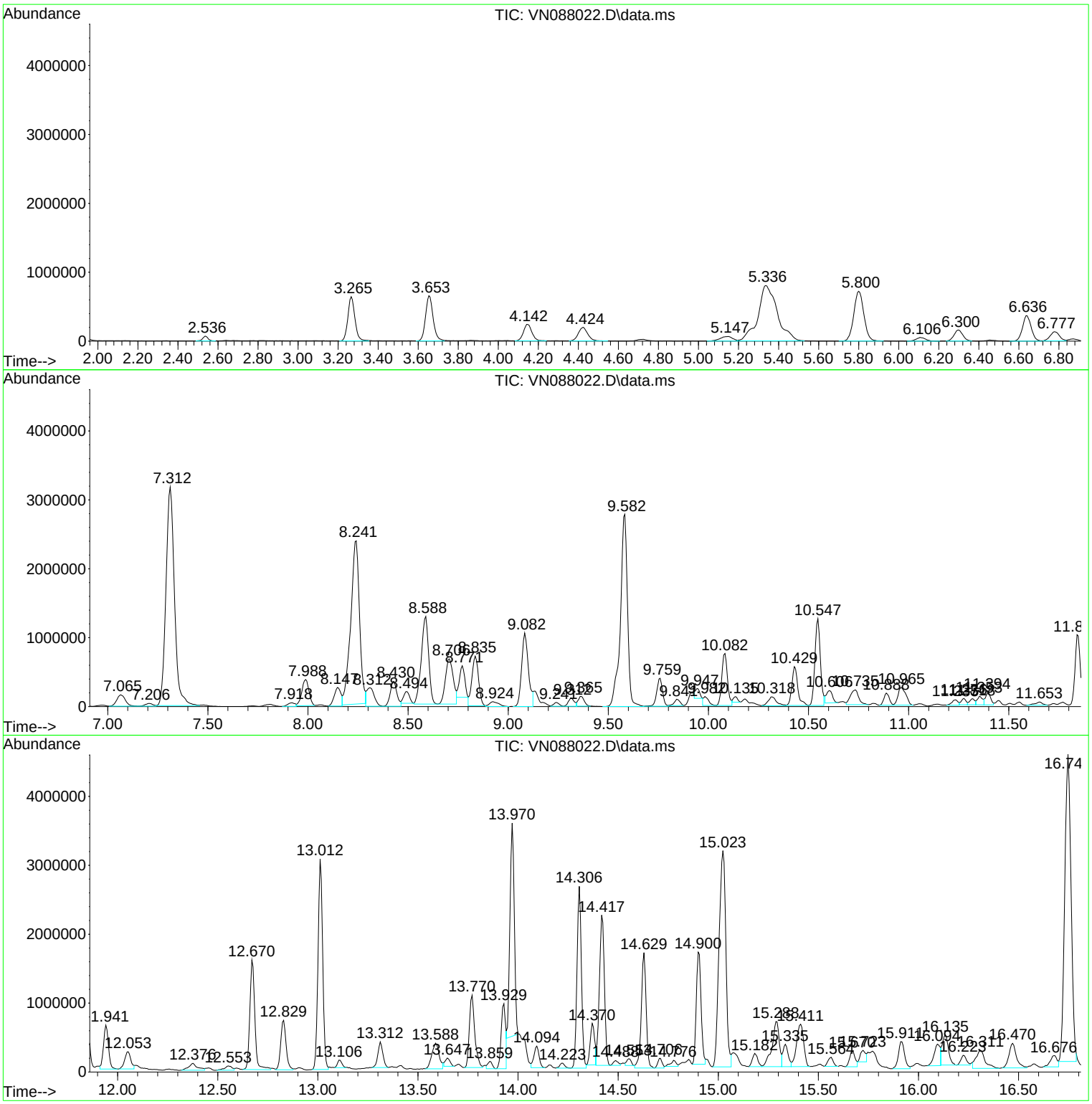
Sample Results: **VN088022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

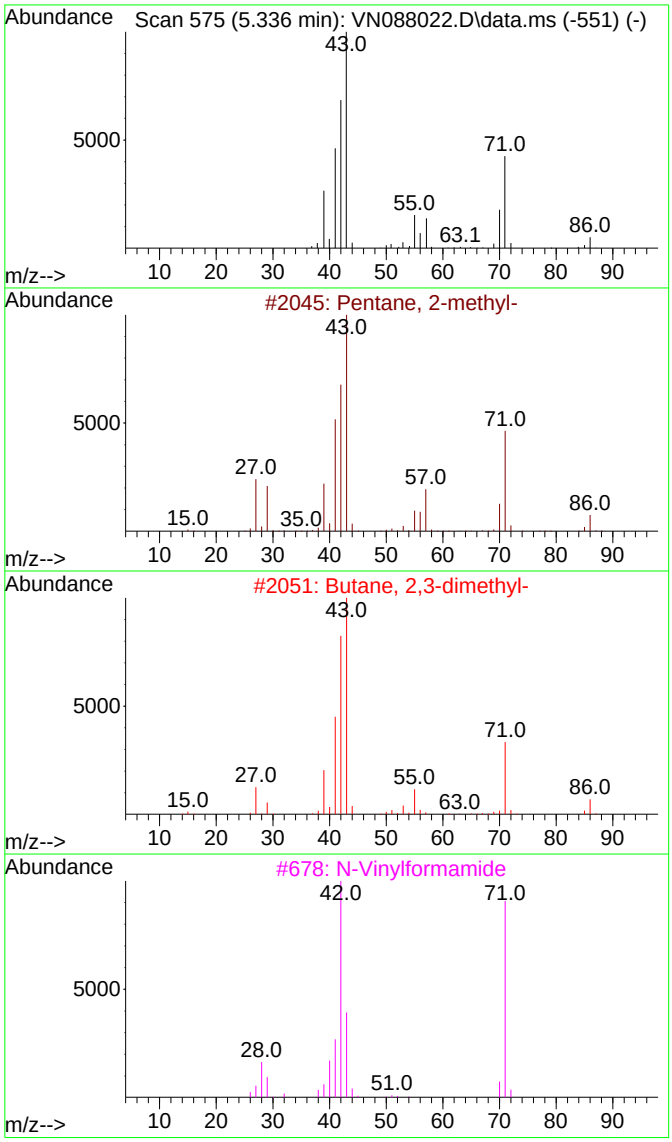
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

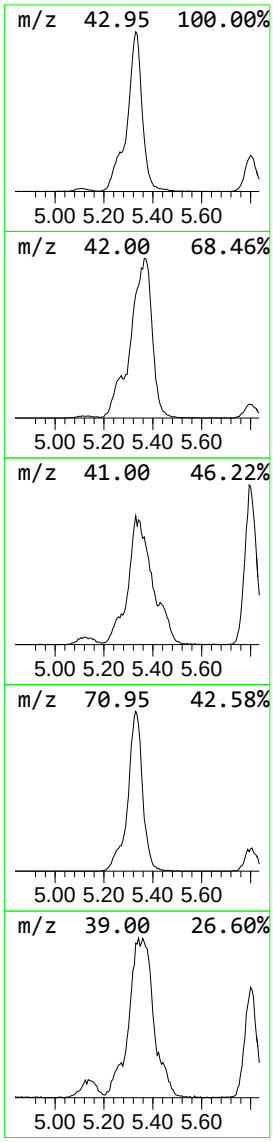
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.336	36.87 ug/l	5378300	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
3	N-Vinylformamide	71	C3H5NO	013162-05-5	38
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

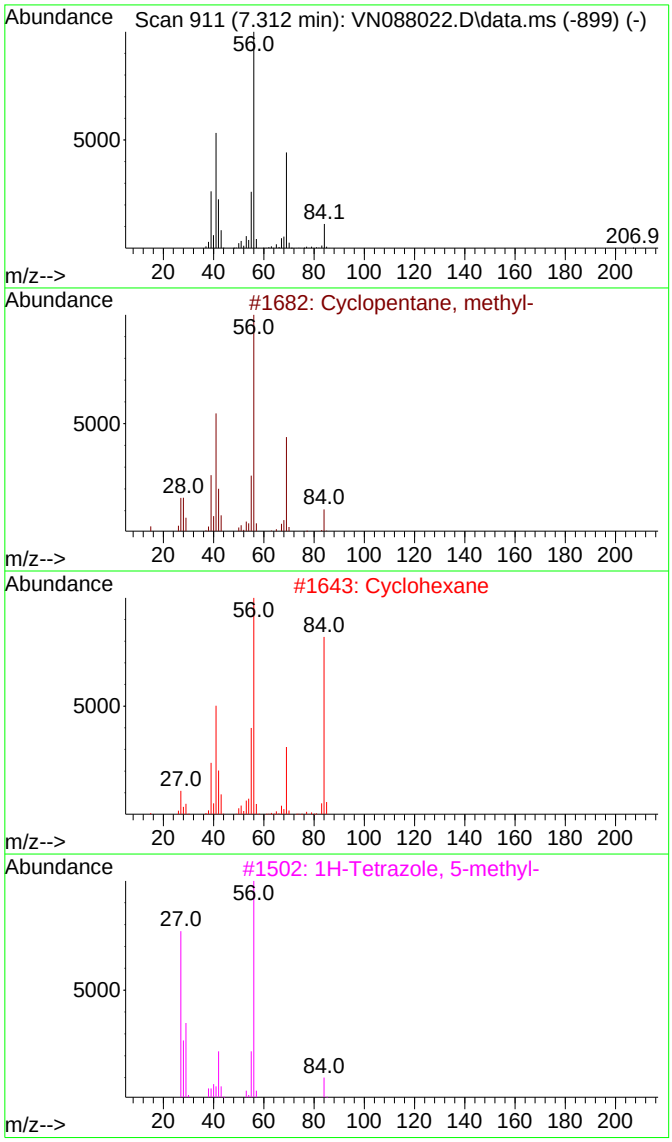
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

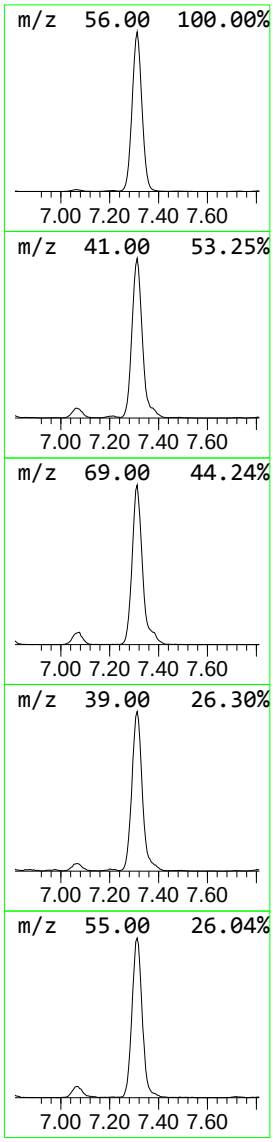
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	64.12 ug/l	9352500	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

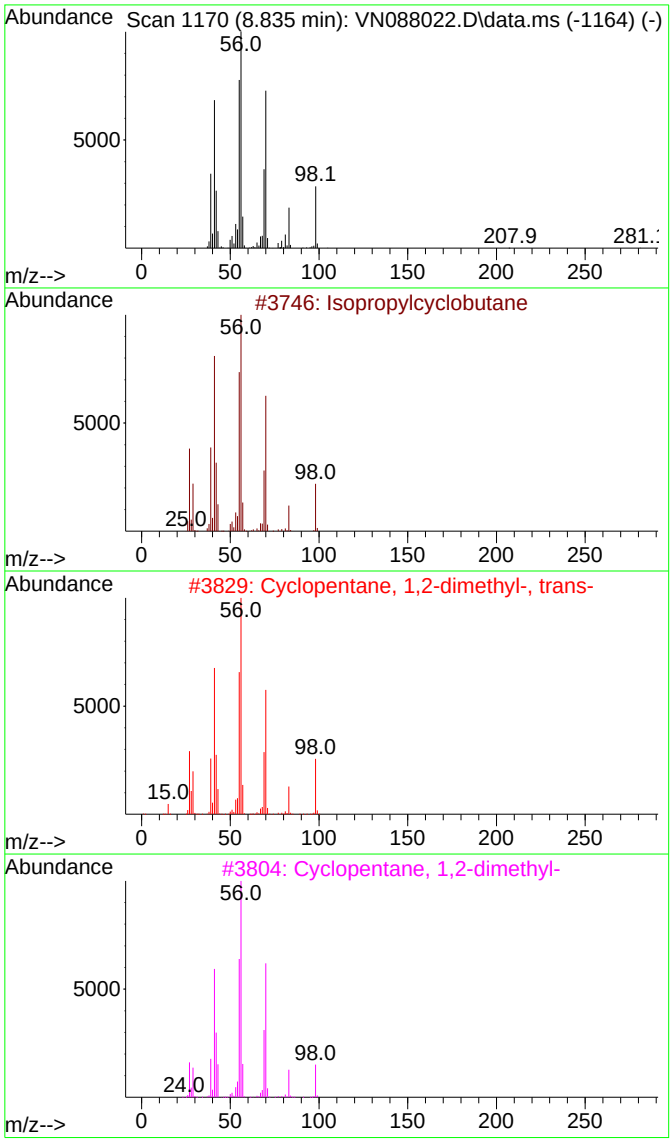
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

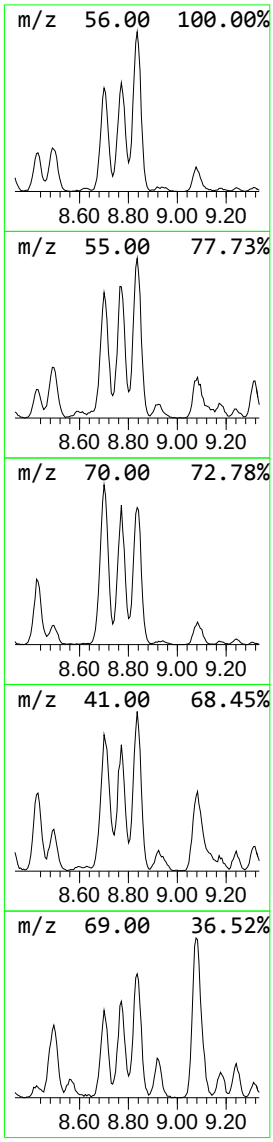
****

Peak Number 4 Isopropylcyclobutane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.835	32.34 ug/l	1628830	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

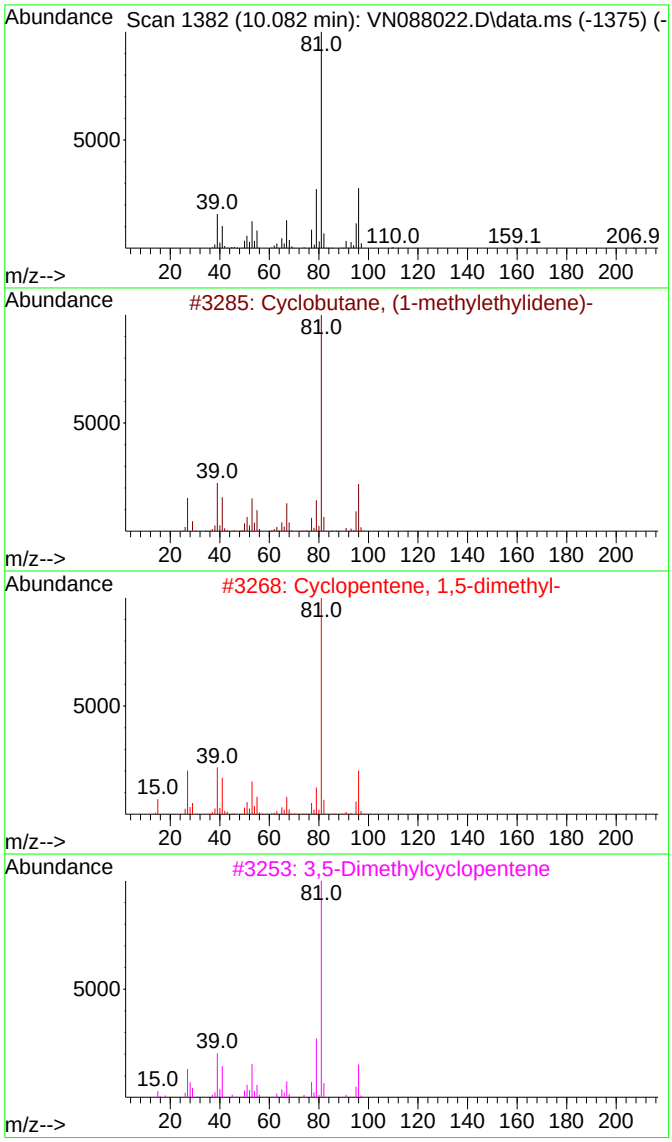
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

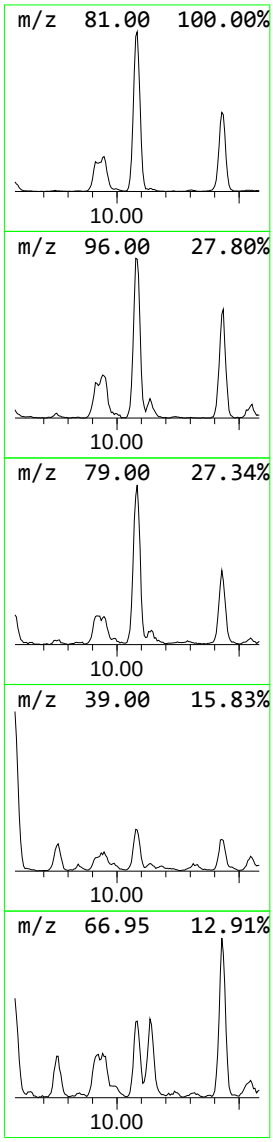
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclobutane, (1-methylethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.082	29.45 ug/l	1483190	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
5	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

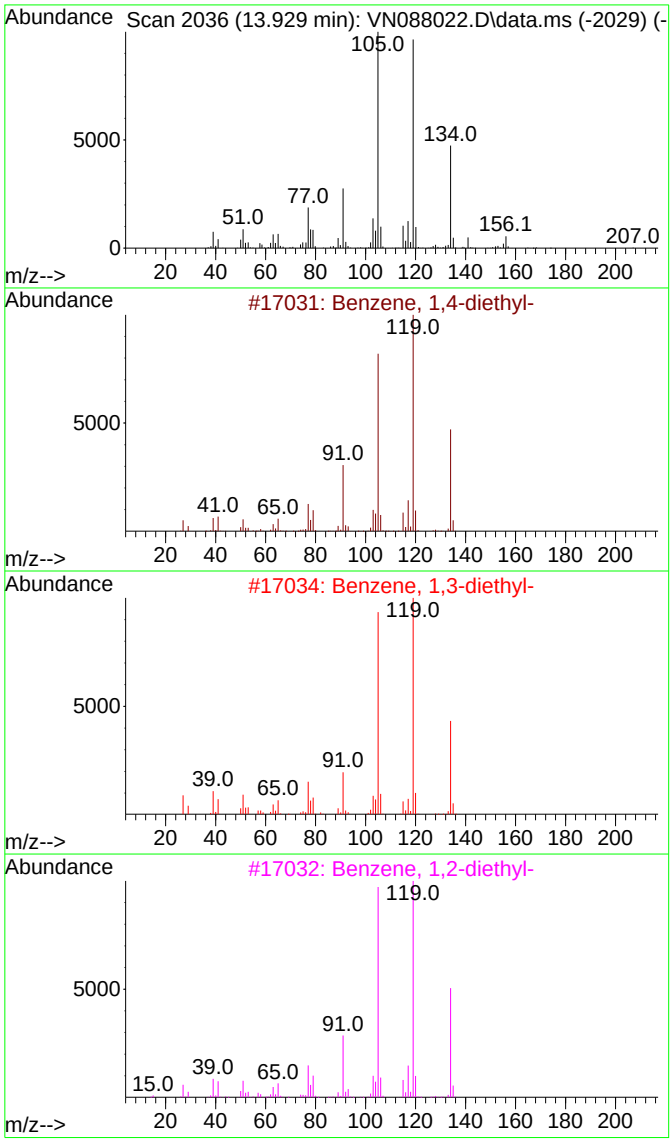
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

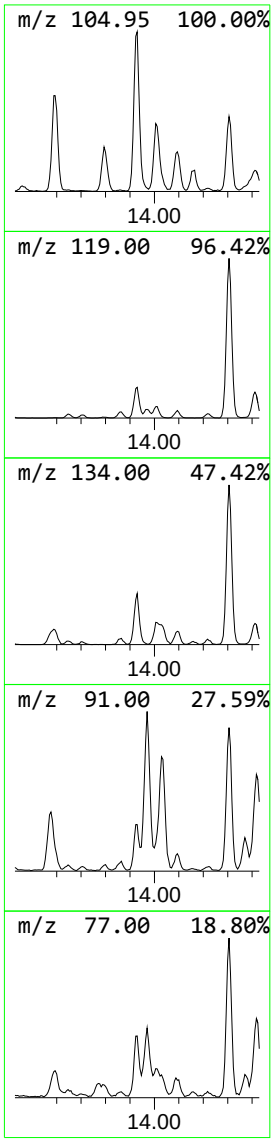
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,4-diethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.929	37.30 ug/l	1476560	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

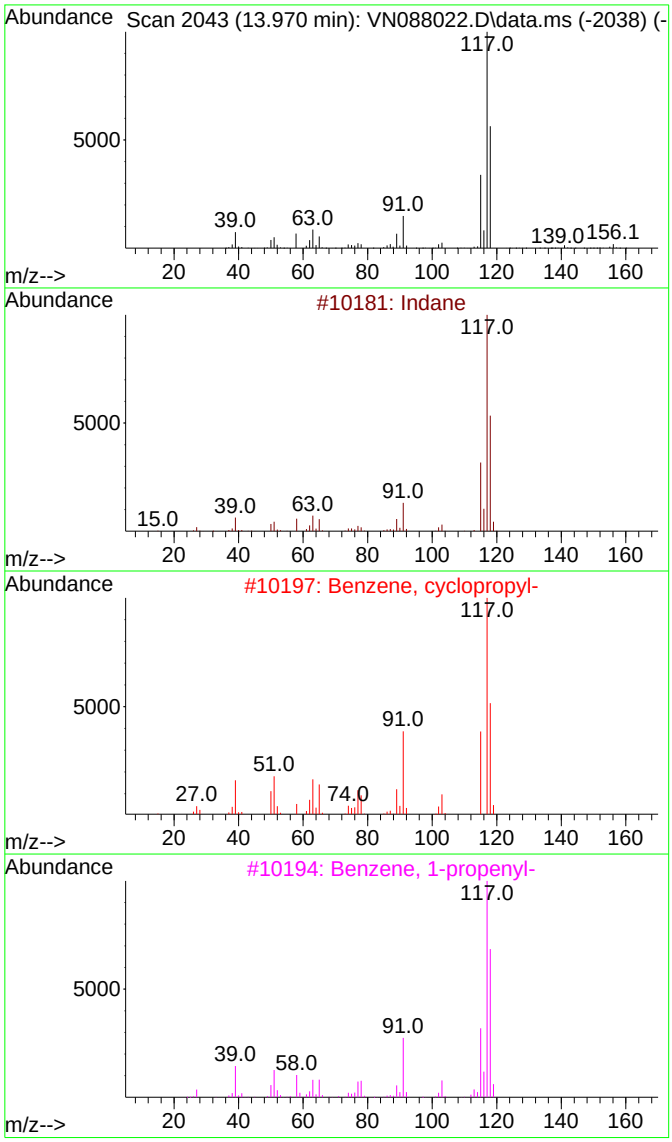
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

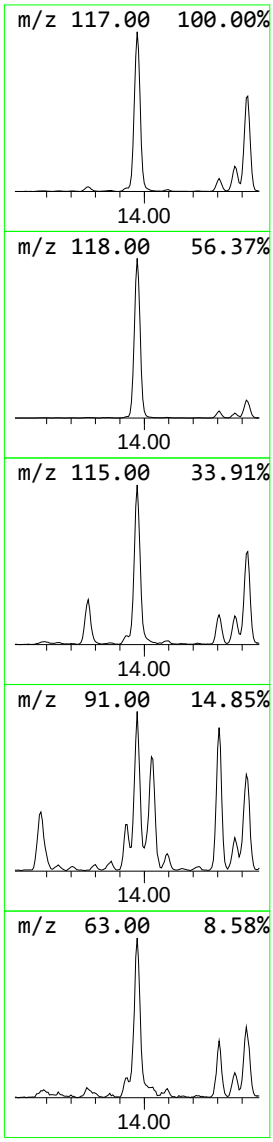
****

Peak Number 7 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	117.76 ug/l	4662110	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	59
5	Benzene, 1-(chloromethyl)-4-ethe...	152	C9H9Cl	001592-20-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

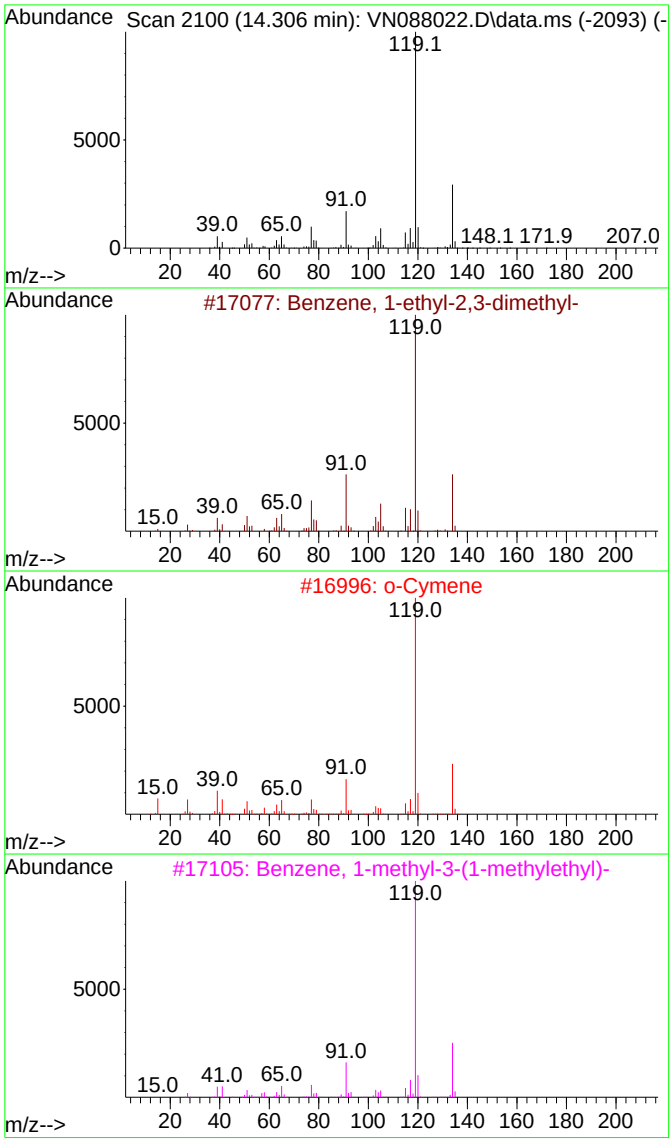
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

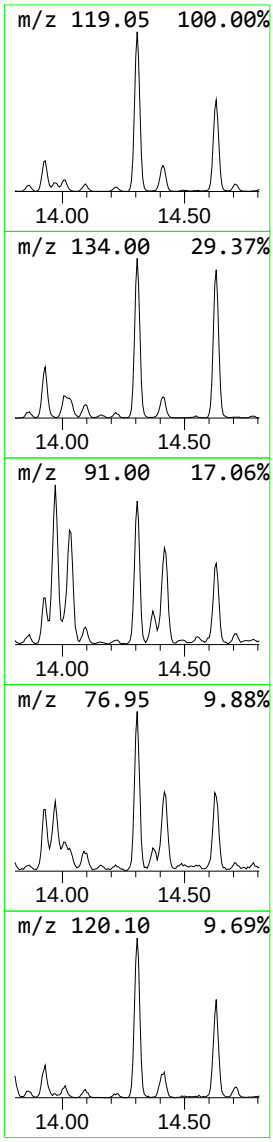
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	102.59 ug/l	4061510	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	p-Cymene	134	C10H14	000099-87-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

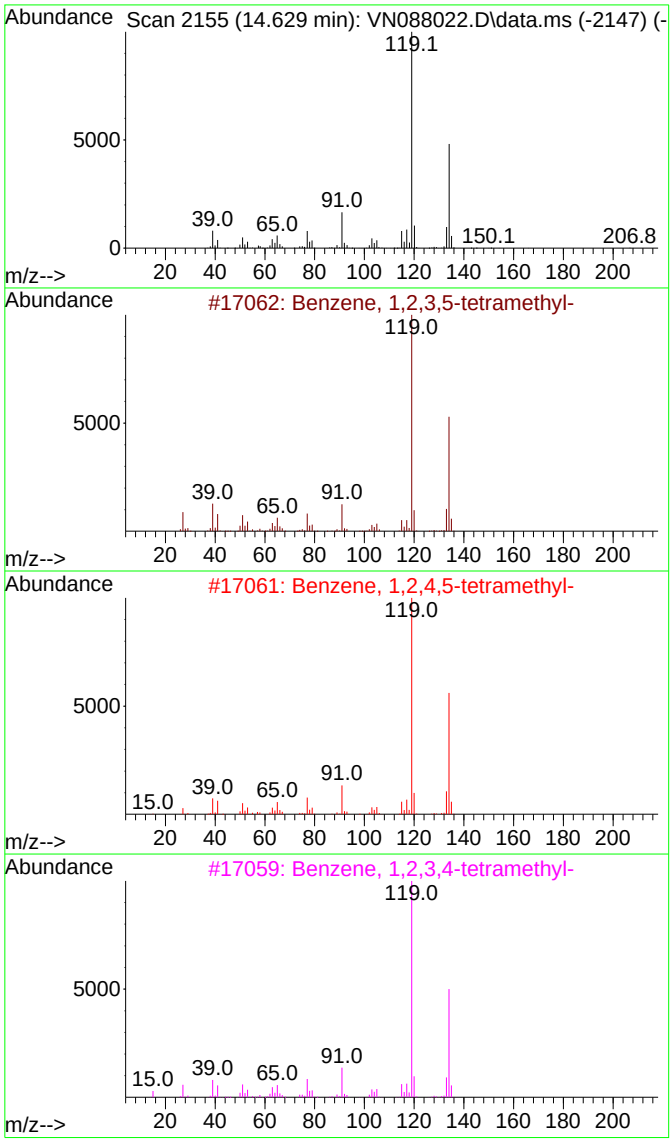
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

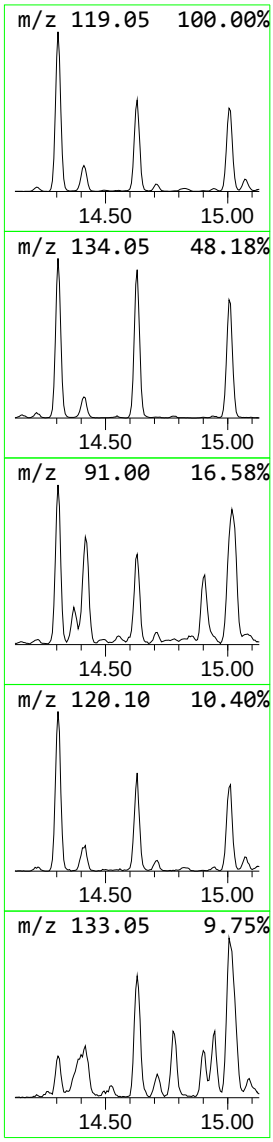
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	70.68 ug/l	2798150	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

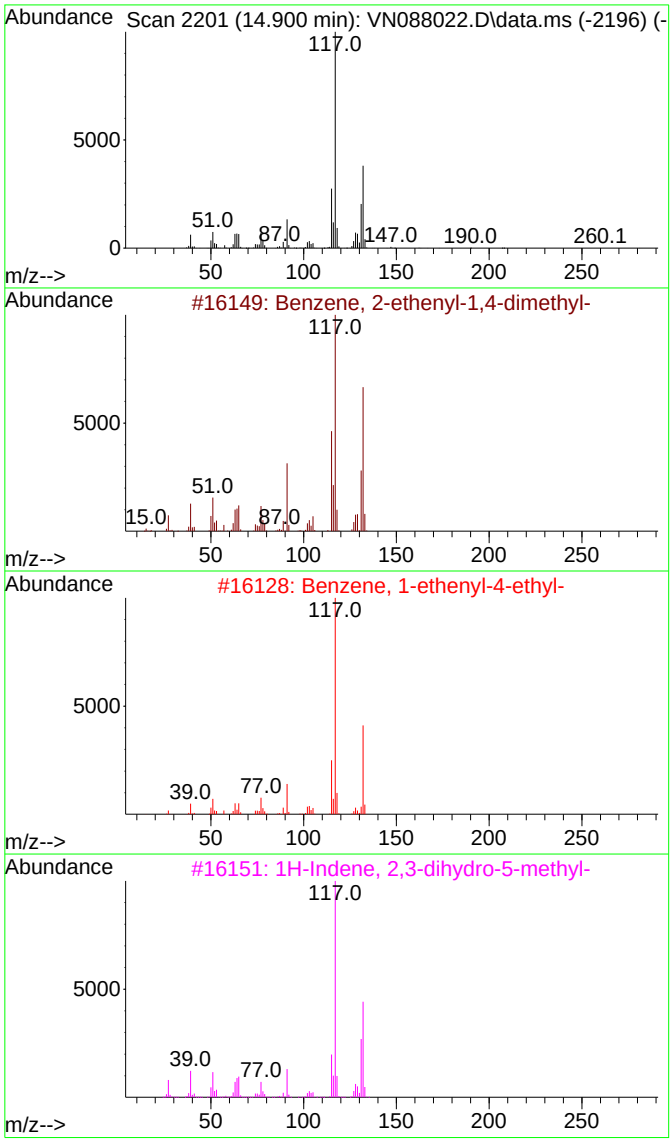
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

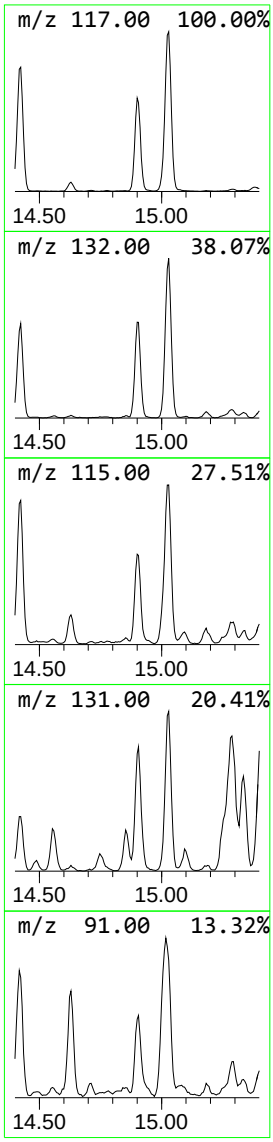
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	68.78 ug/l	2723030	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

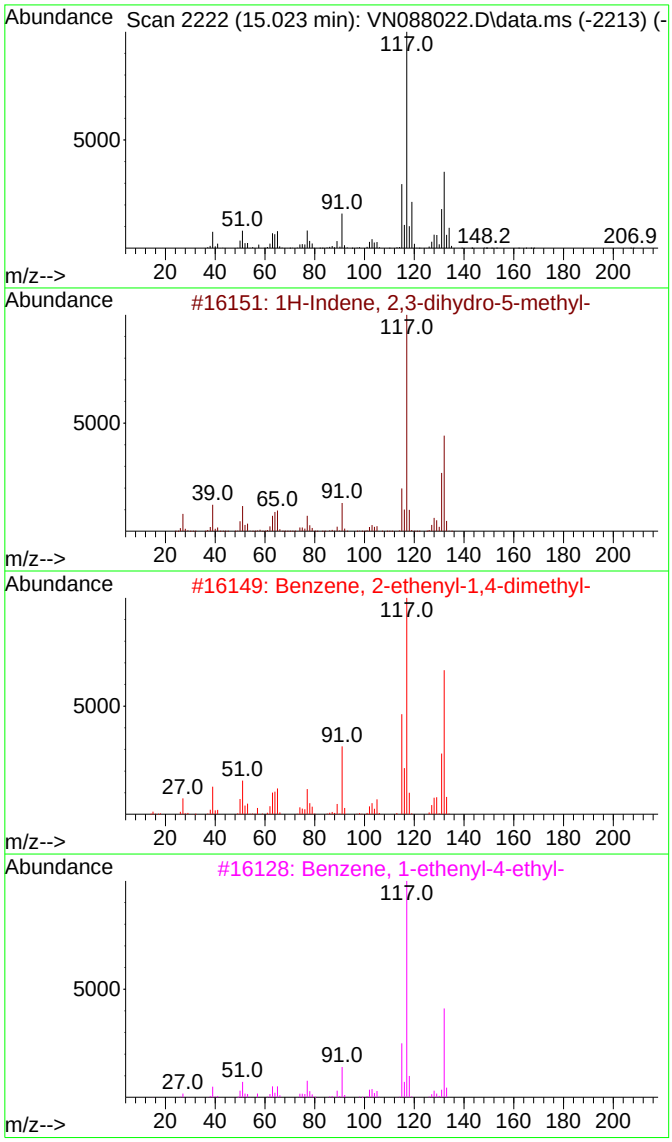
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

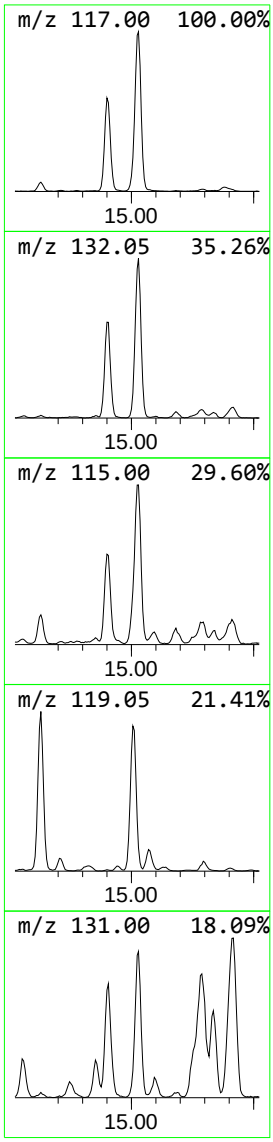
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	187.72 ug/l	7431490	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

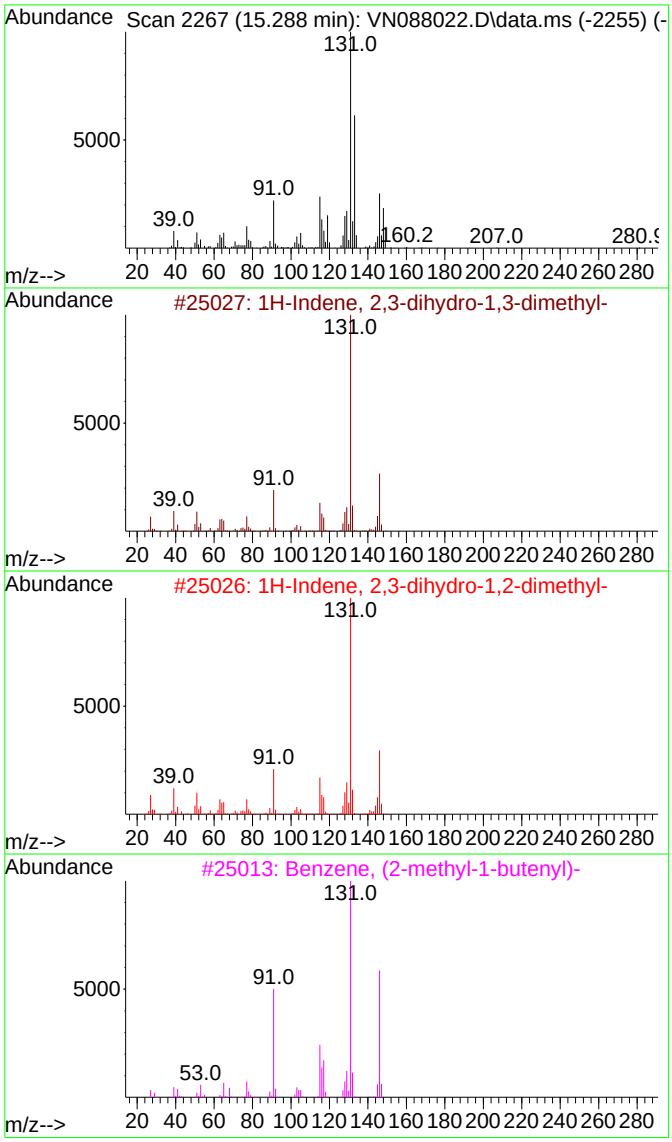
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

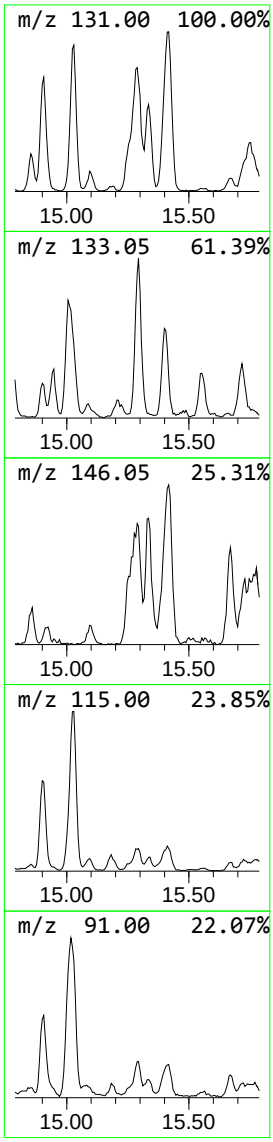
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.288	42.24 ug/l	1672060	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	92
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.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
Pentane, 2-methyl-	5.336	36.9	ug/l	5378300	1	8.206	7293420	50.0
Cyclopentane, m...	7.312	64.1	ug/l	9352500	1	8.206	7293420	50.0
Isopropylcyclob...	8.835	32.3	ug/l	1628830	2	9.082	2518420	50.0
Cyclobutane, (1...	10.082	29.4	ug/l	1483190	2	9.082	2518420	50.0
Benzene, 1,4-di...	13.929	37.3	ug/l	1476560	4	13.770	1979460	50.0
Indane	13.970	117.8	ug/l	4662110	4	13.770	1979460	50.0
Benzene, 1-ethy...	14.306	102.6	ug/l	4061510	4	13.770	1979460	50.0
Benzene, 1,2,3,...	14.629	70.7	ug/l	2798150	4	13.770	1979460	50.0
Benzene, 2-ethe...	14.900	68.8	ug/l	2723030	4	13.770	1979460	50.0
1H-Indene, 2,3-...	15.023	187.7	ug/l	7431490	4	13.770	1979460	50.0
1H-Indene, 2,3-...	15.288	42.2	ug/l	1672060	4	13.770	1979460	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088026.D
Acq On : 03 Oct 2025 16:16
Operator : JC\MD
Sample : Q3274-02DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Quant Time: Oct 04 02:59:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

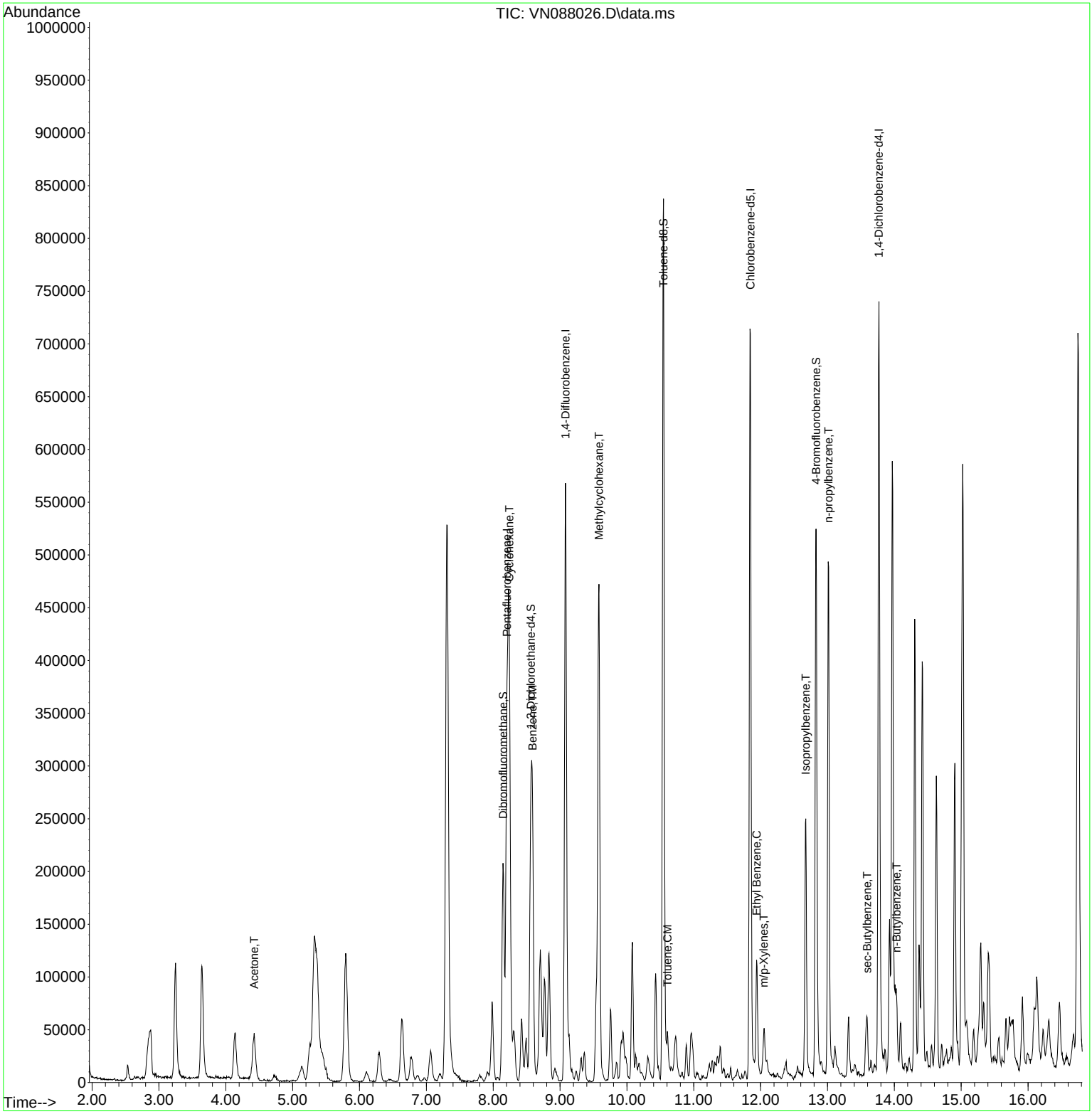
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	199029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	430919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	412320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	199129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	174477	52.090	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.180%			
35) Dibromofluoromethane	8.147	113	147247	47.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.120%			
50) Toluene-d8	10.547	98	546047	49.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.829	95	199570	50.745	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.500%			
Target Compounds						Qvalue
16) Acetone	4.424	43	73990	53.689	ug/l	99
31) Cyclohexane	8.241	56	237598	63.258	ug/l	97
39) Methylcyclohexane	9.582	83	201980	48.668	ug/l	98
40) Benzene	8.588	78	239418	19.220	ug/l	99
52) Toluene	10.606	92	14136	1.808	ug/l	92
67) Ethyl Benzene	11.941	91	69711	4.761	ug/l	97
68) m/p-Xylenes	12.047	106	16039	2.864	ug/l	100
73) Isopropylbenzene	12.676	105	166276	13.473	ug/l	98
78) n-propylbenzene	13.017	91	415315	26.916	ug/l	99
85) sec-Butylbenzene	13.594	105	32040	2.419	ug/l #	65
89) n-Butylbenzene	14.035	91	41680	3.931	ug/l #	80

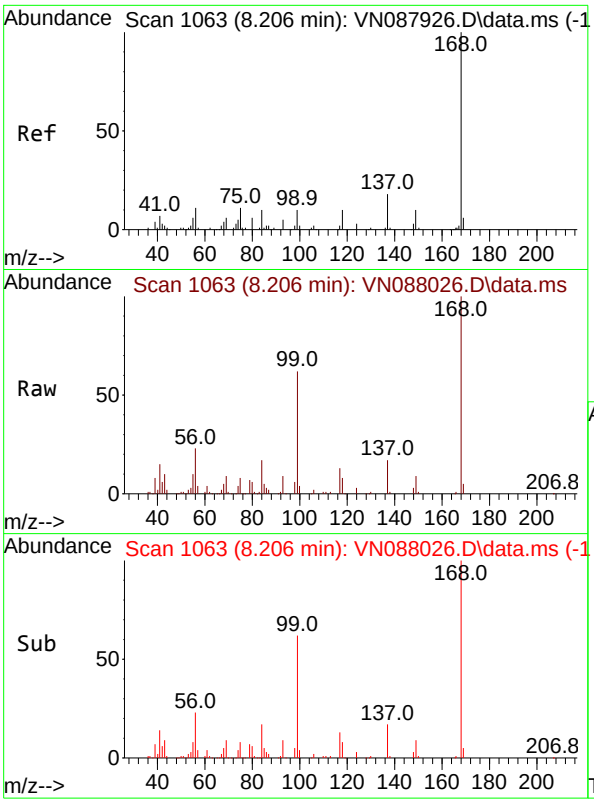
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088026.D
Acq On : 03 Oct 2025 16:16
Operator : JC\MD
Sample : Q3274-02DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Quant Time: Oct 04 02:59:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



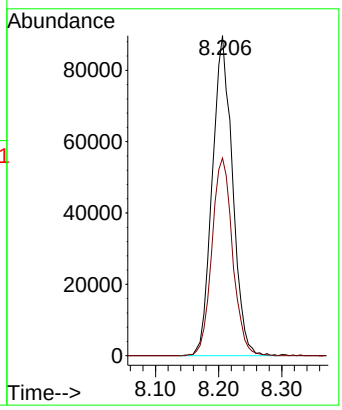


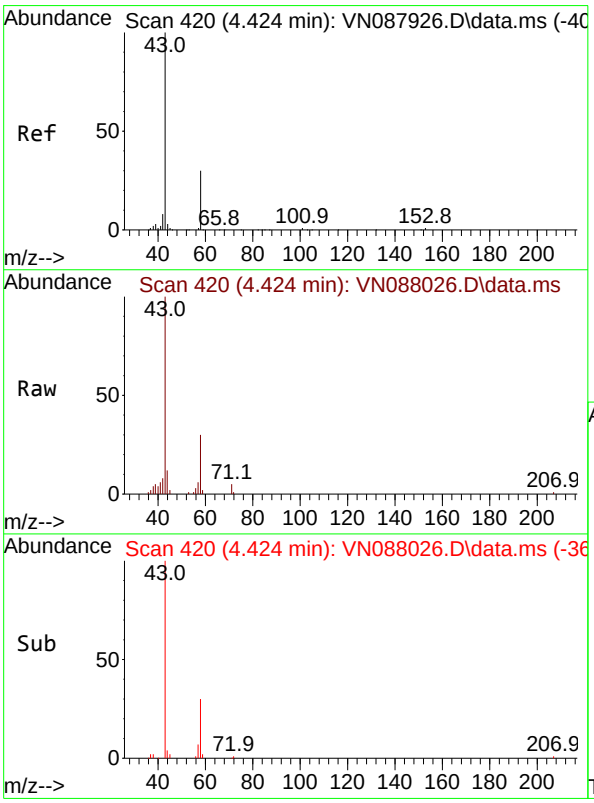
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion:168 Resp: 199029

Ion	Ratio	Lower	Upper
168	100		
99	61.7	52.2	78.2

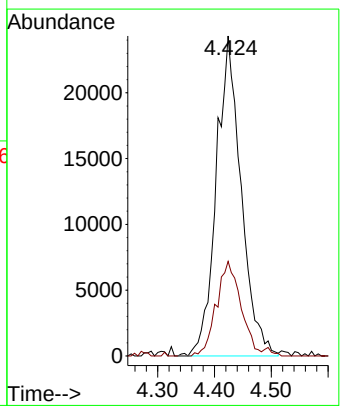


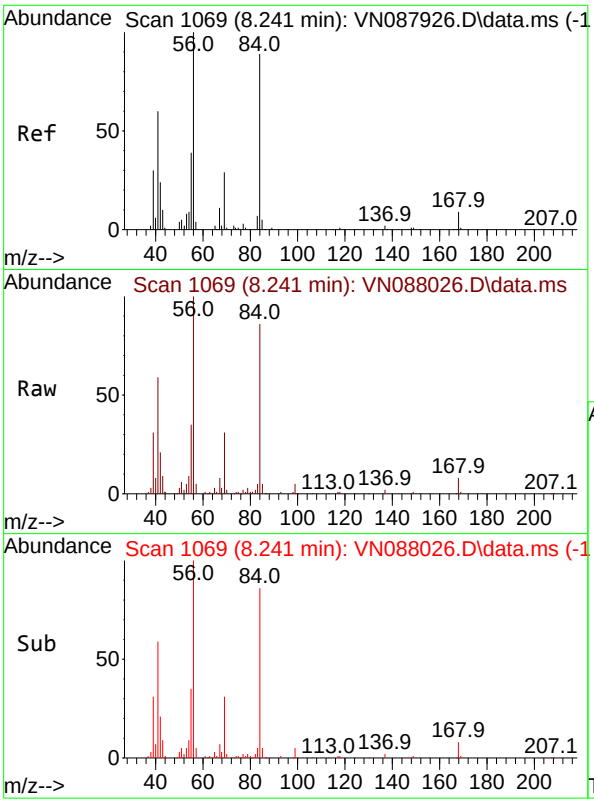


#16
Acetone
Concen: 53.689 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 43 Resp: 73990

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.1	36.1



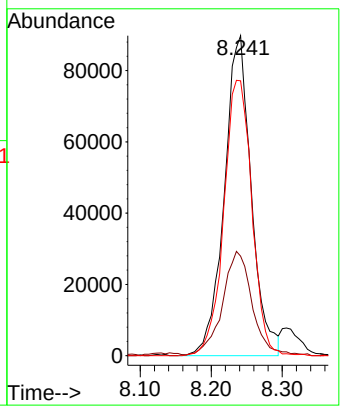


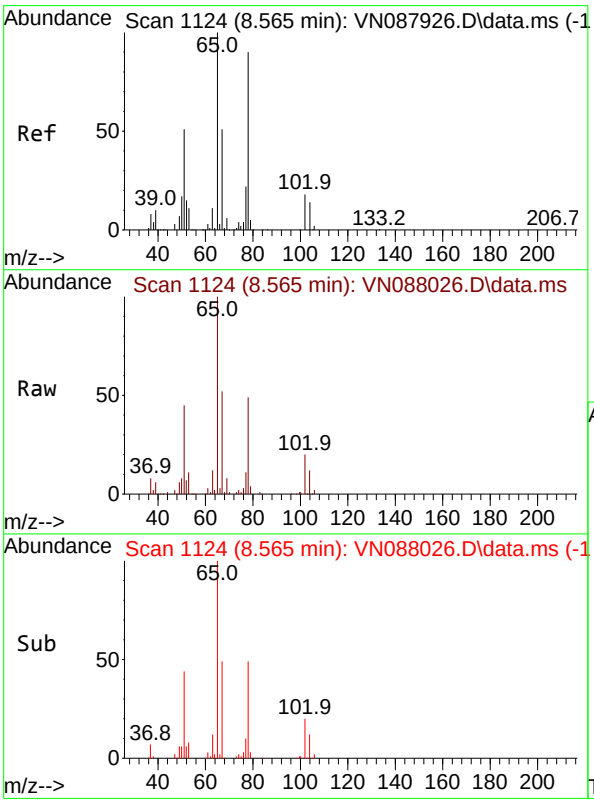
#31
Cyclohexane
Concen: 63.258 ug/l
RT: 8.241 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 56 Resp: 237598

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.0
84	85.9	70.8	106.2

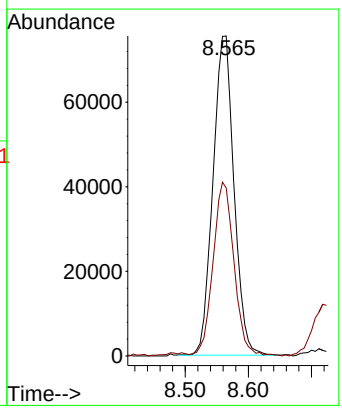


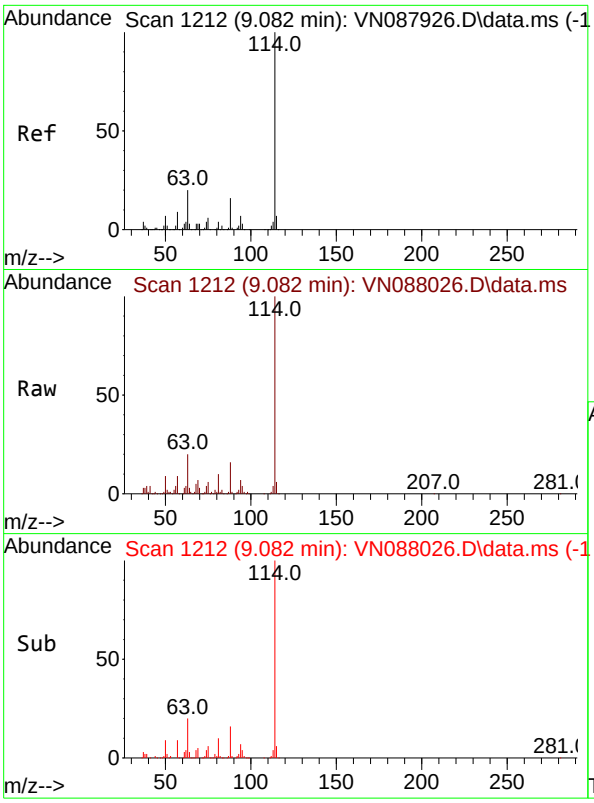


#33
1,2-Dichloroethane-d4
Concen: 52.090 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 65 Resp: 174477

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.4



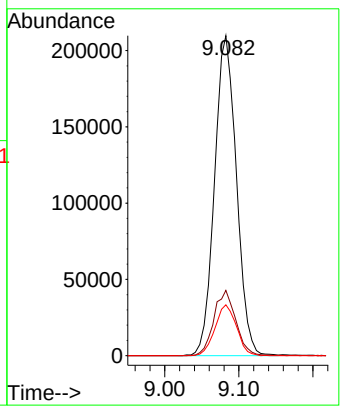


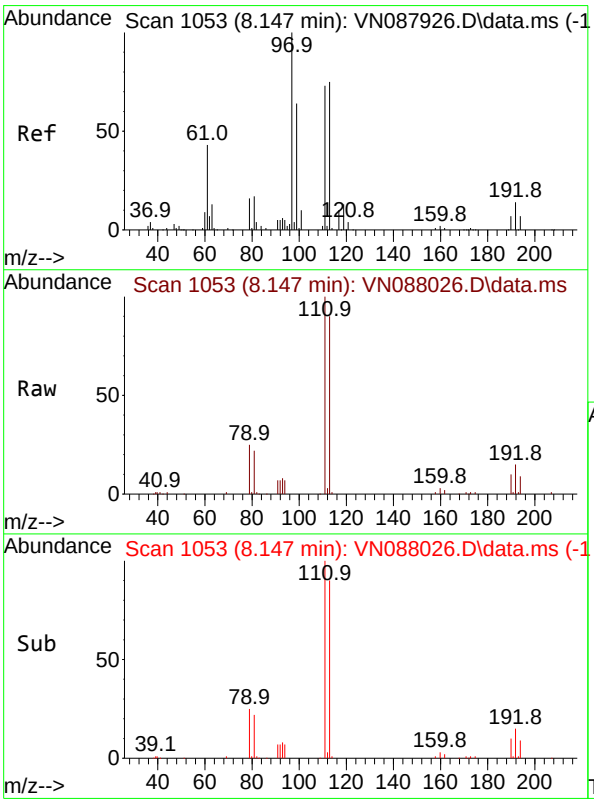
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion:114 Resp: 430919

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	15.9	0.0	31.8

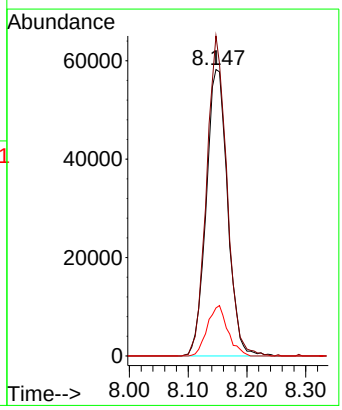


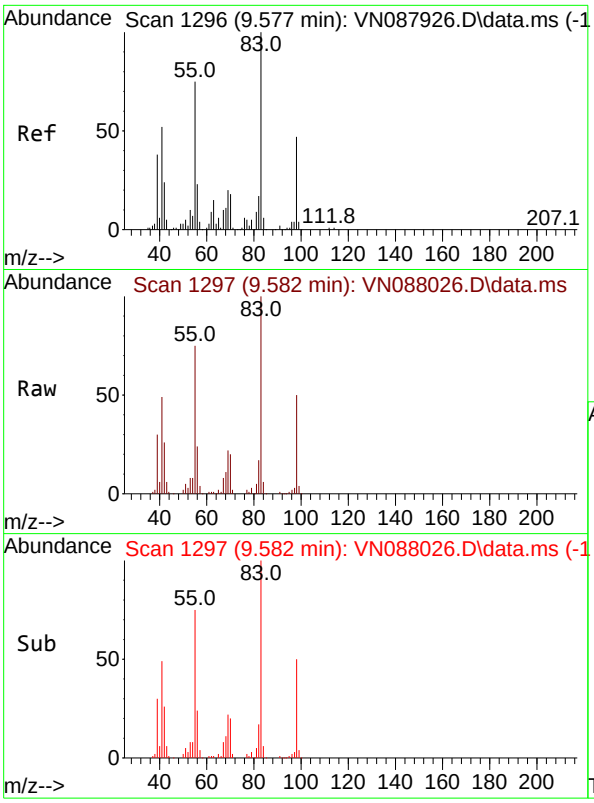


#35
Dibromofluoromethane
Concen: 47.063 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:113 Resp: 147247

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.2	123.2
192	16.9	14.2	21.2



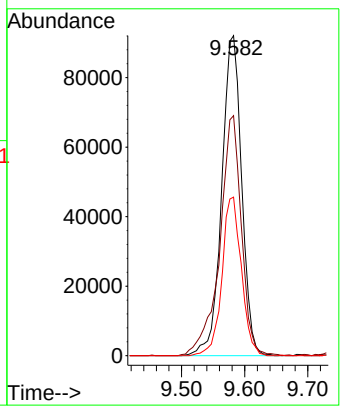


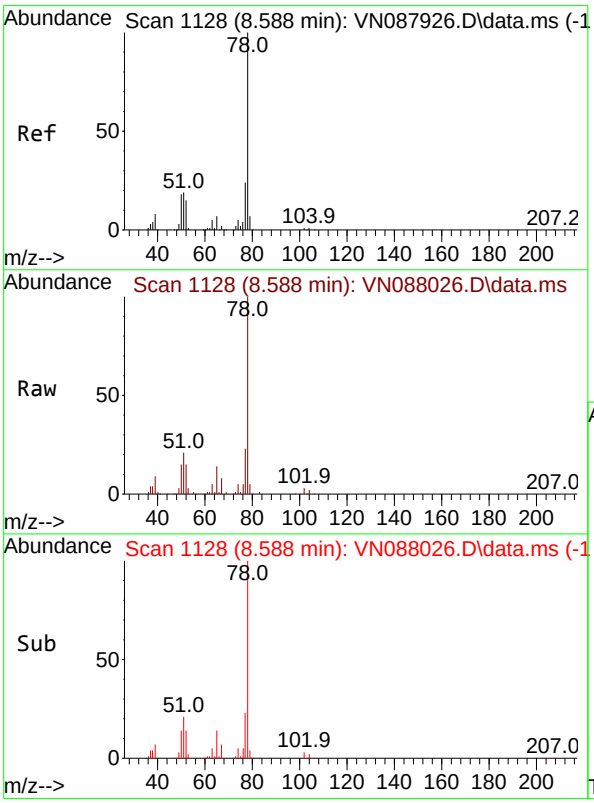
#39
Methylcyclohexane
Concen: 48.668 ug/l
RT: 9.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 83 Resp: 201980

Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.9	89.9
98	49.5	37.4	56.2

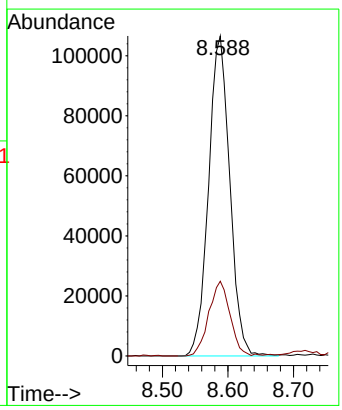


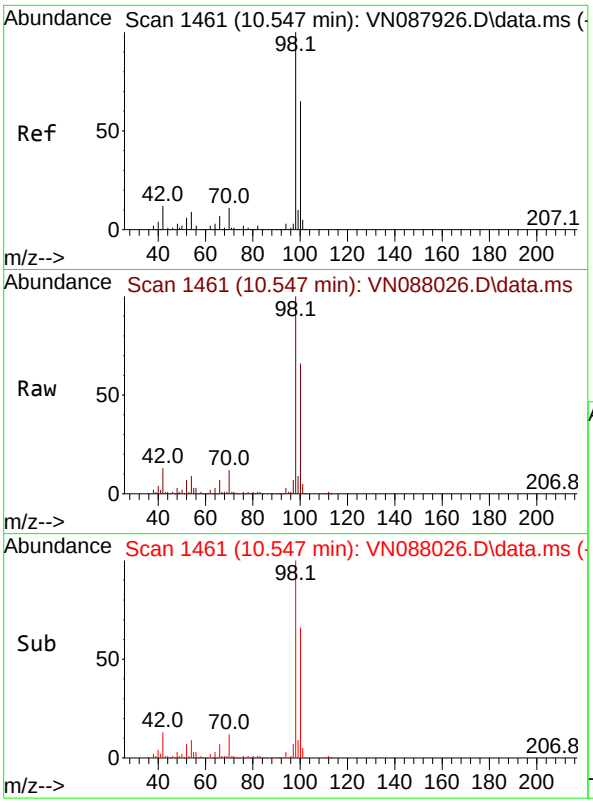


#40
Benzene
Concen: 19.220 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 78 Resp: 239418

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6



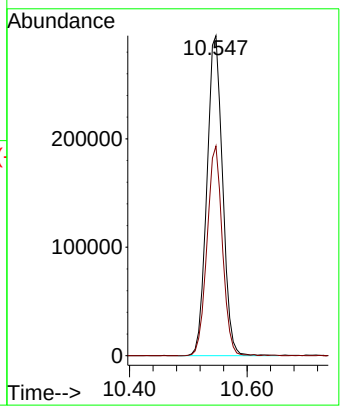


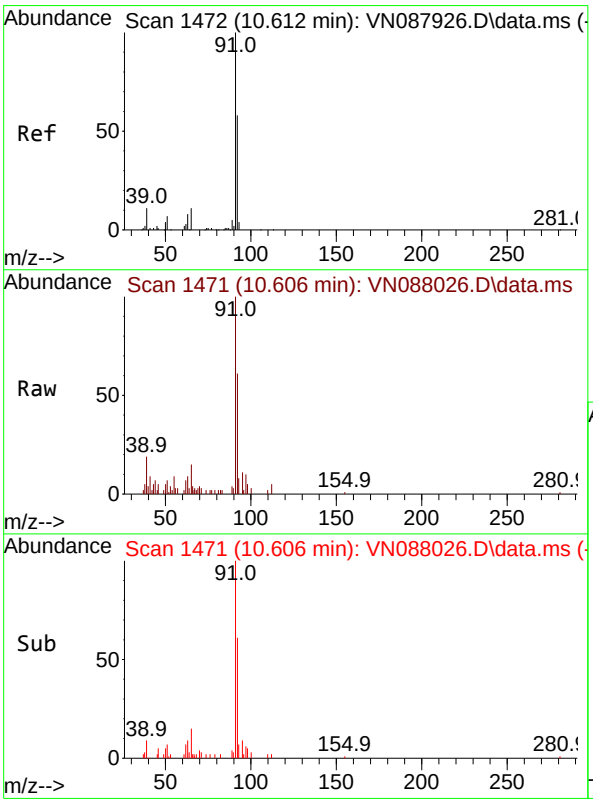
#50
Toluene-d8
Concen: 49.630 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 98 Resp: 546047

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5

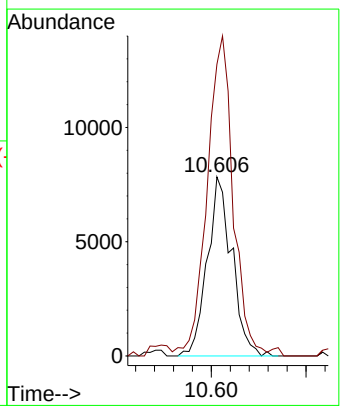


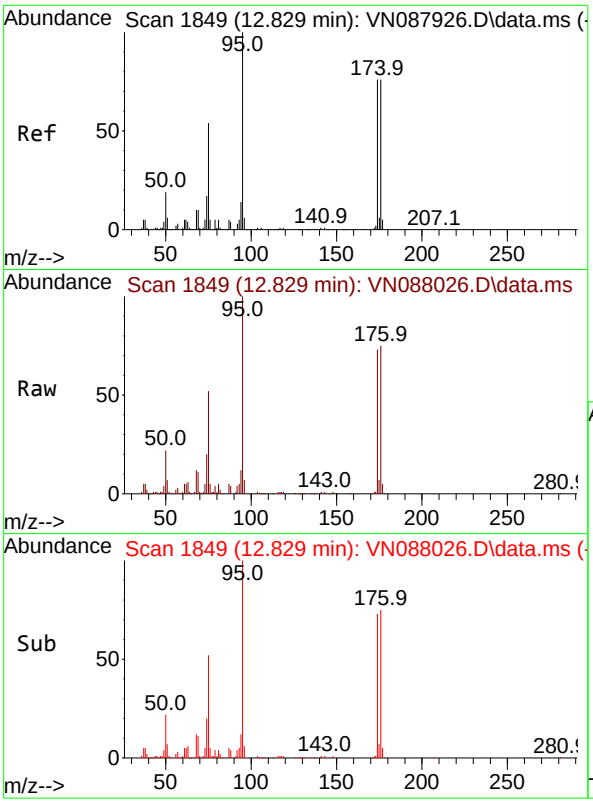


#52
Toluene
Concen: 1.808 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 92 Resp: 14136

Ion	Ratio	Lower	Upper
92	100		
91	184.5	138.2	207.2



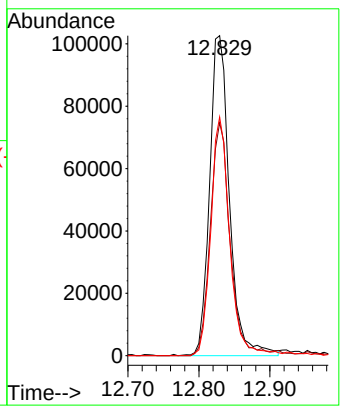


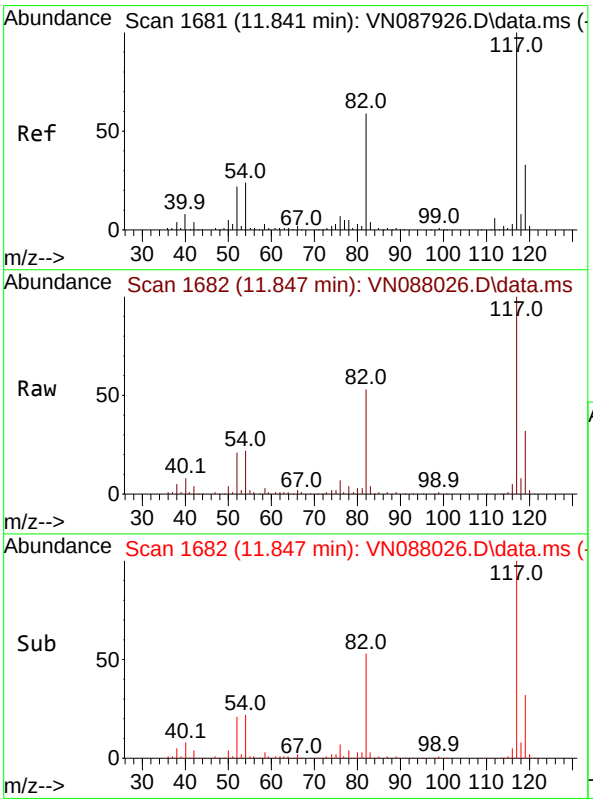
#62
4-Bromofluorobenzene
Concen: 50.745 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 95 Resp: 199570

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	159.2
176	70.9	0.0	152.6

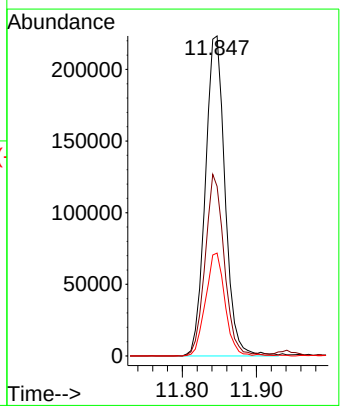


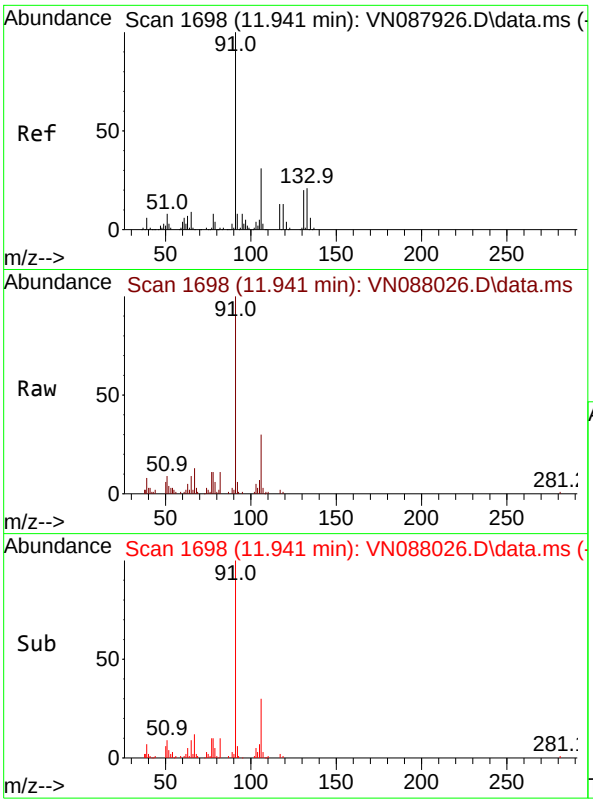


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:117 Resp: 412320

Ion	Ratio	Lower	Upper
117	100		
82	52.9	47.0	70.4
119	32.1	26.1	39.1



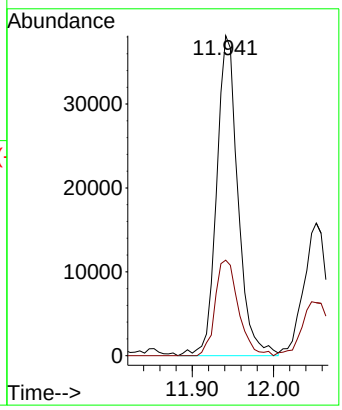


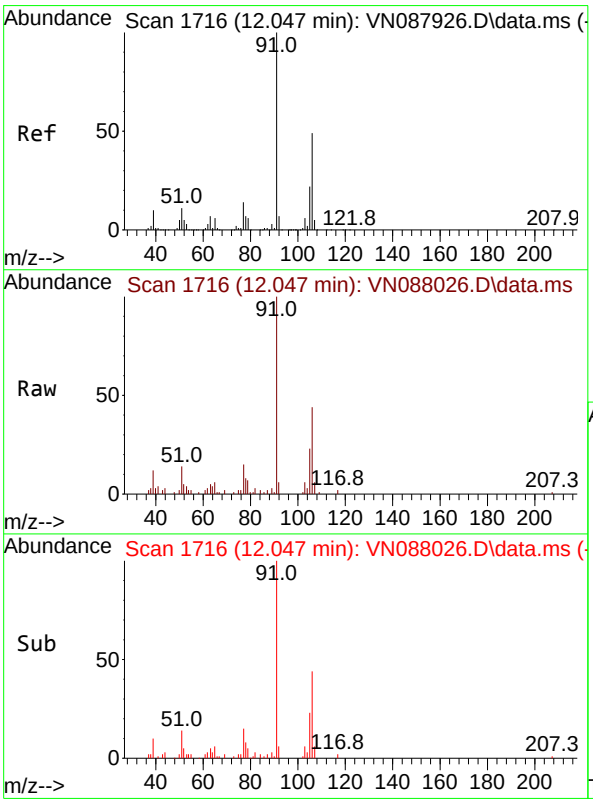
#67
Ethyl Benzene
Concen: 4.761 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 91 Resp: 69711

Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.2	37.8

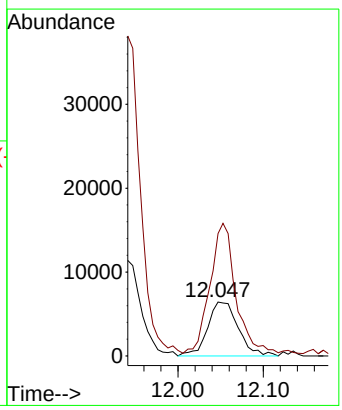


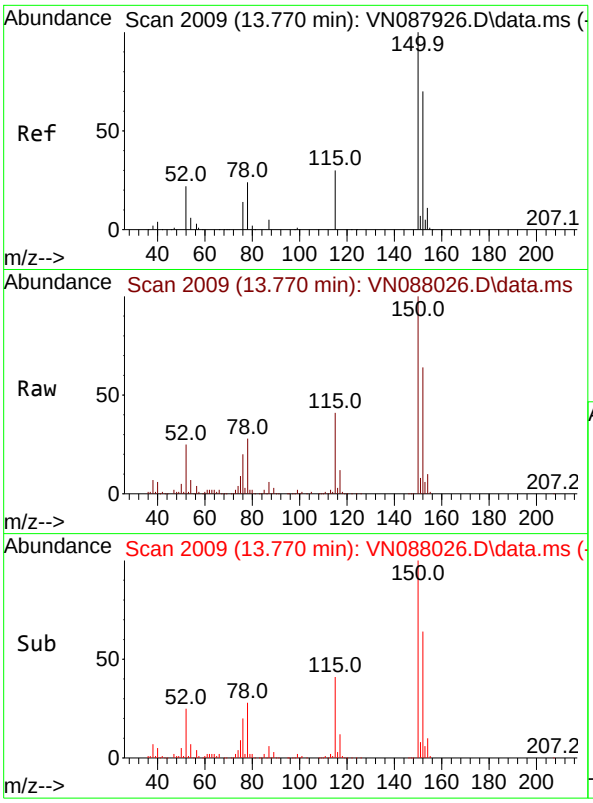


#68
m/p-Xylenes
Concen: 2.864 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:106 Resp: 16039

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.9	244.3



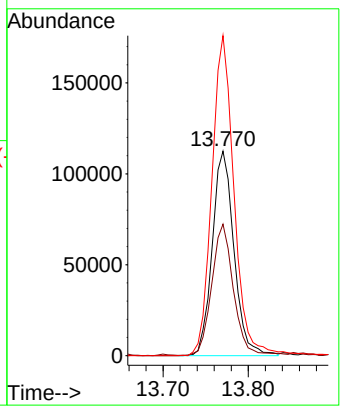


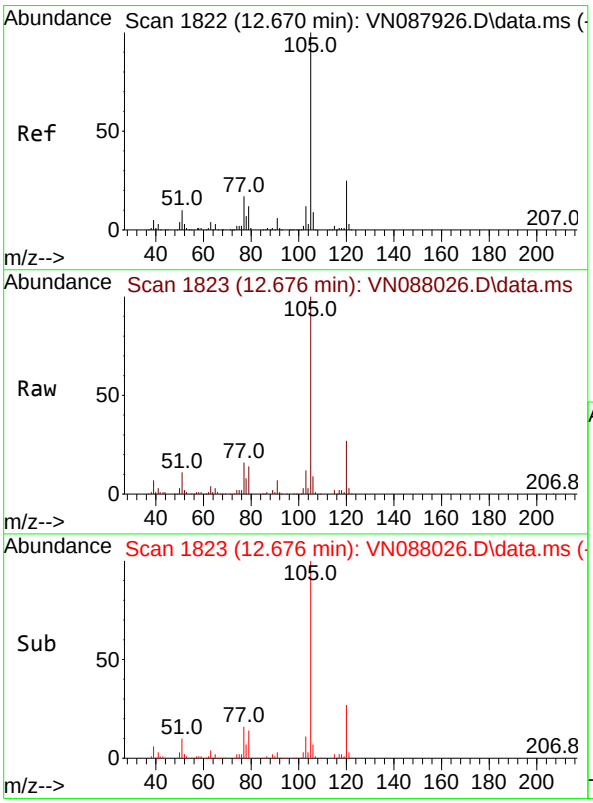
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion:152 Resp: 199129

Ion	Ratio	Lower	Upper
152	100		
115	63.9	29.9	89.7
150	160.7	0.0	335.0

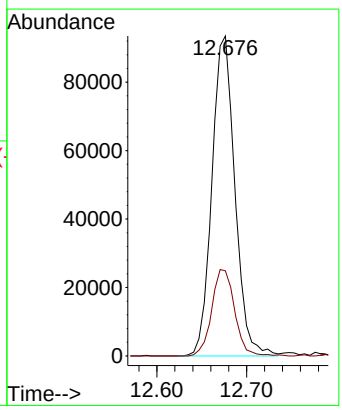


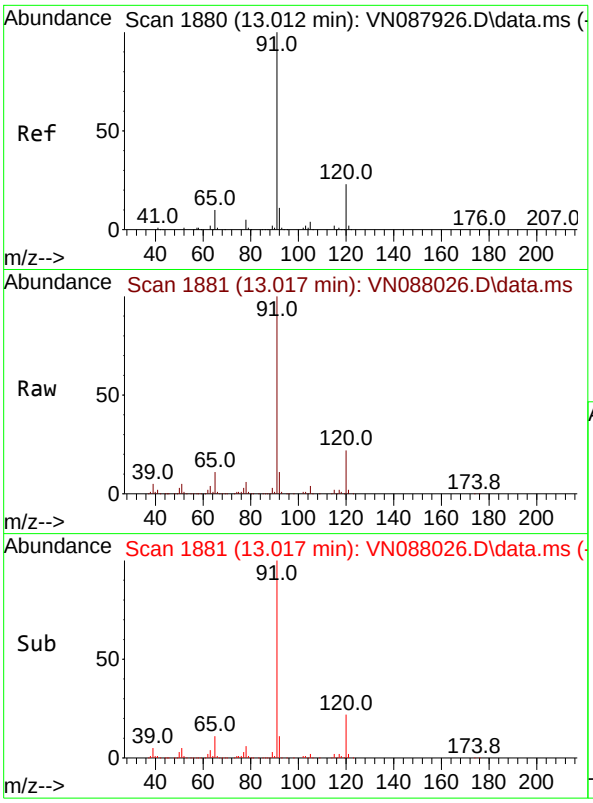


#73
Isopropylbenzene
Concen: 13.473 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:105 Resp: 166276

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1



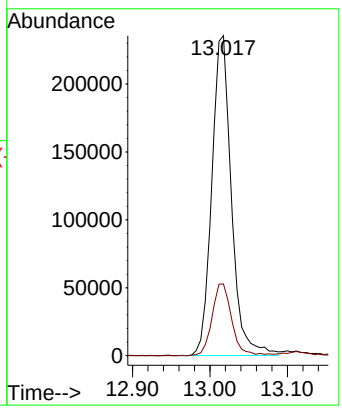


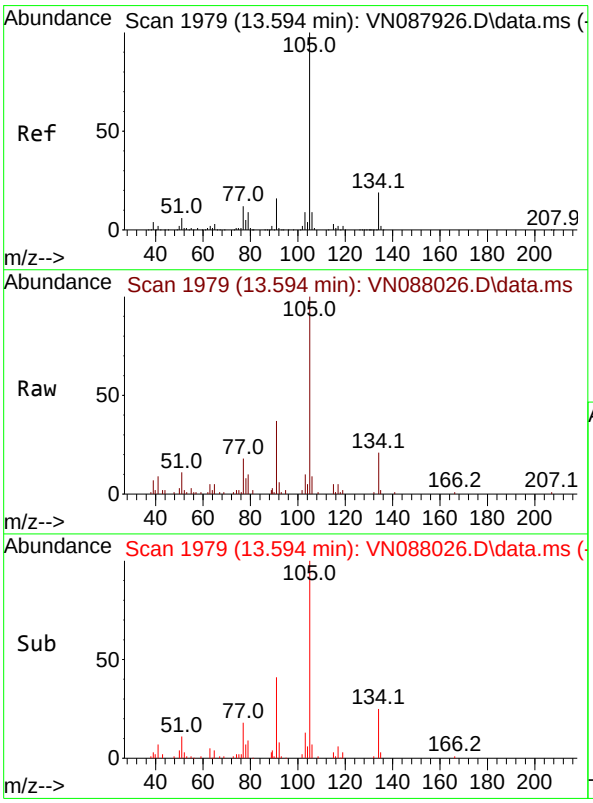
#78
n-propylbenzene
Concen: 26.916 ug/l
RT: 13.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 91 Resp: 415315

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1

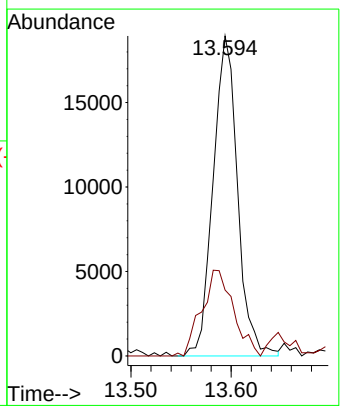


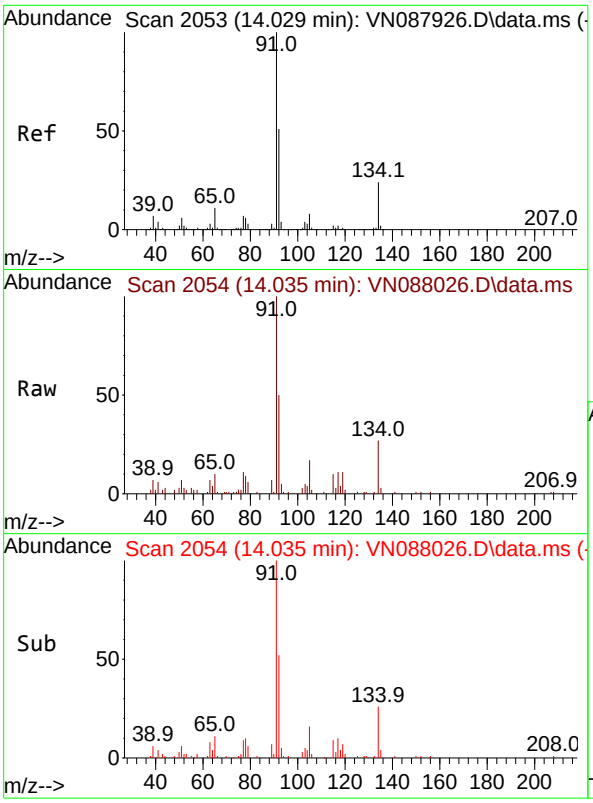


#85
sec-Butylbenzene
Concen: 2.419 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:105 Resp: 32040

Ion	Ratio	Lower	Upper
105	100		
134	34.9	9.6	28.8#



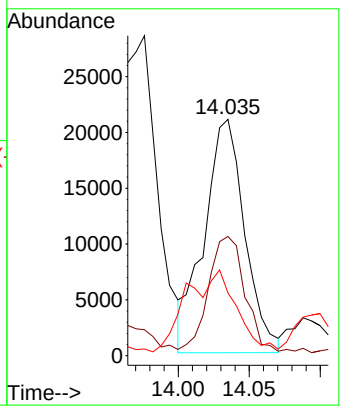


#89
n-Butylbenzene
Concen: 3.931 ug/l
RT: 14.035 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 91 Resp: 41680

Ion	Ratio	Lower	Upper
91	100		
92	46.0	25.9	77.8
134	47.3	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Time: Oct 04 02:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	175124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	396641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	390371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	168351	57.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.240%			
35) Dibromofluoromethane	8.147	113	137594	47.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.560%			
50) Toluene-d8	10.547	98	477841	47.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.360%			
62) 4-Bromofluorobenzene	12.829	95	151886	41.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.920%			

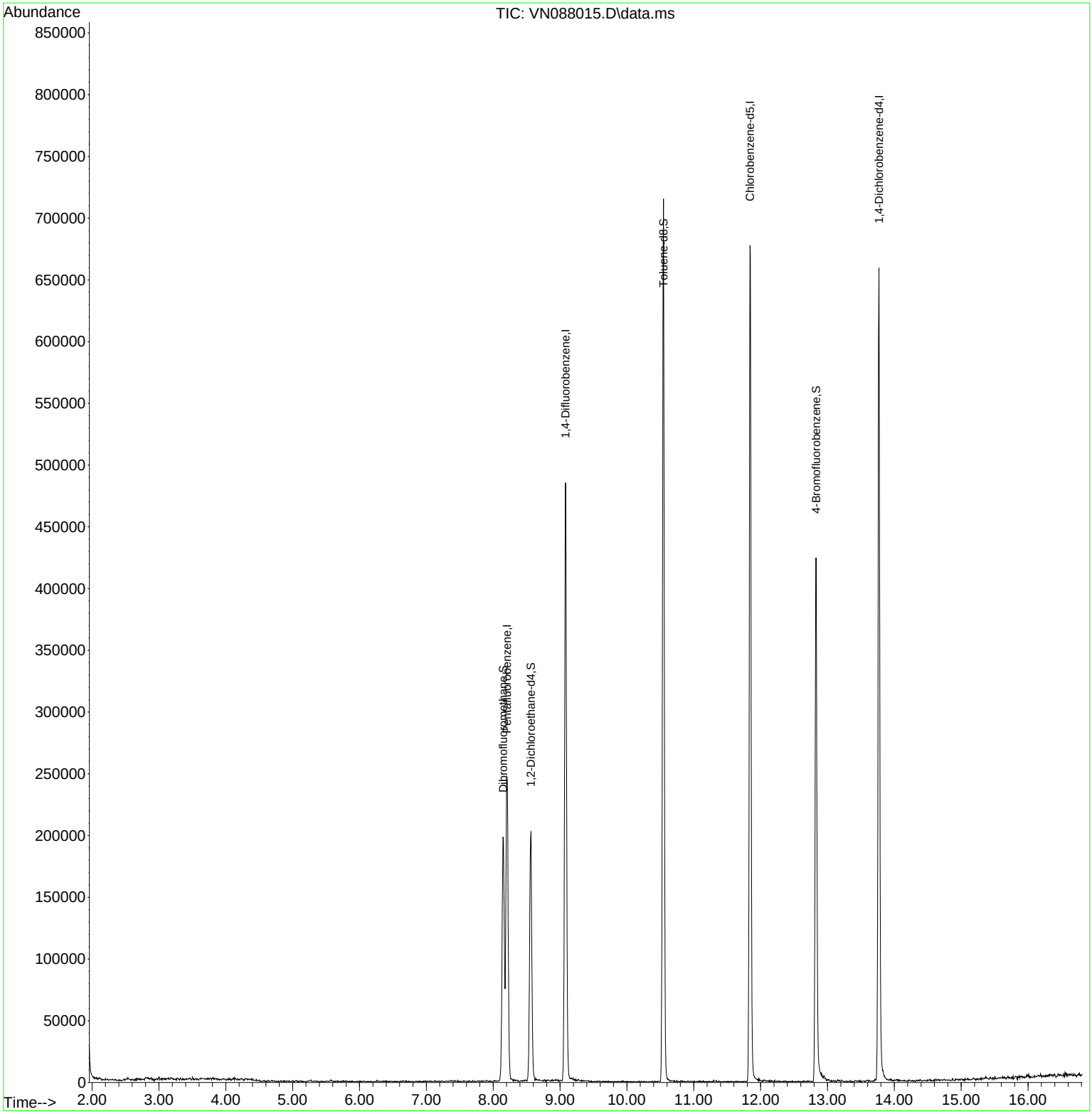
Target Compounds Qvalue

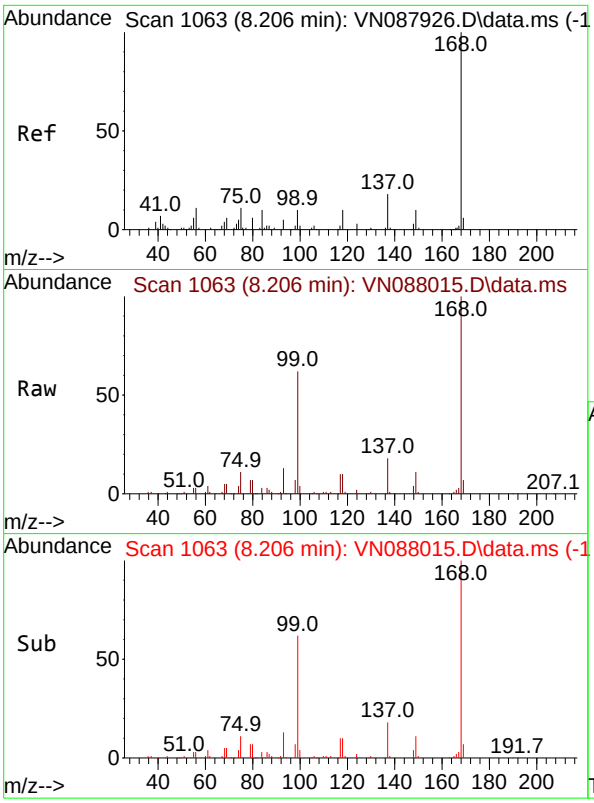
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Time: Oct 04 02:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



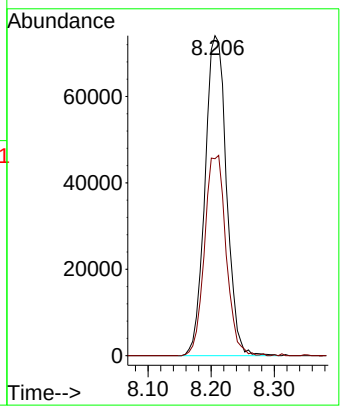


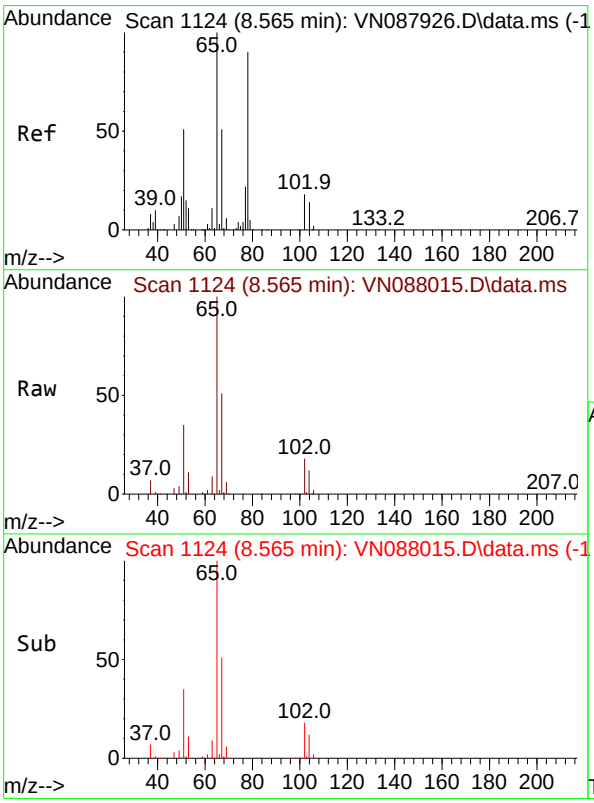
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:168 Resp: 175124

Ion	Ratio	Lower	Upper
168	100		
99	61.6	52.2	78.2

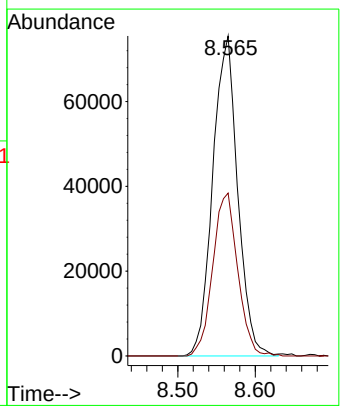


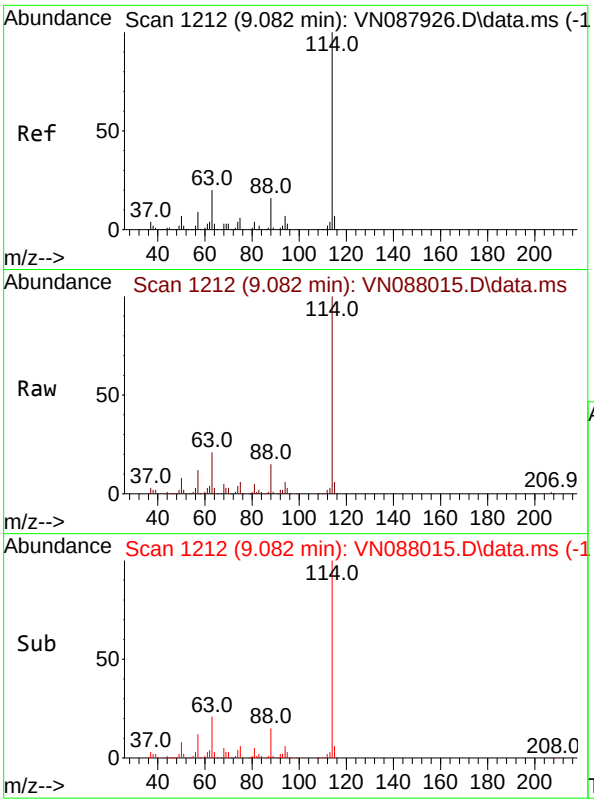


#33
1,2-Dichloroethane-d4
Concen: 57.122 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion: 65 Resp: 168351

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4



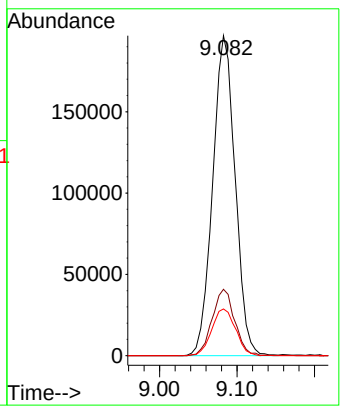


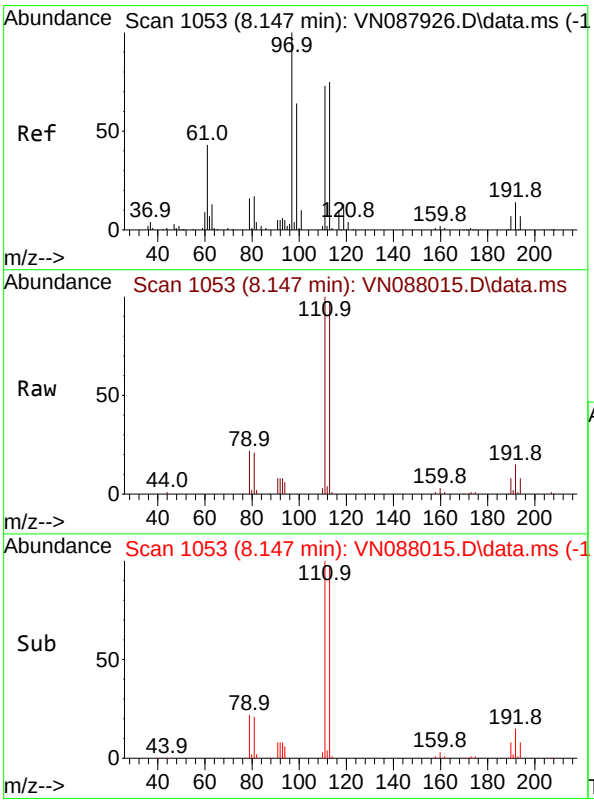
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:114 Resp: 396641

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	14.6	0.0	31.8

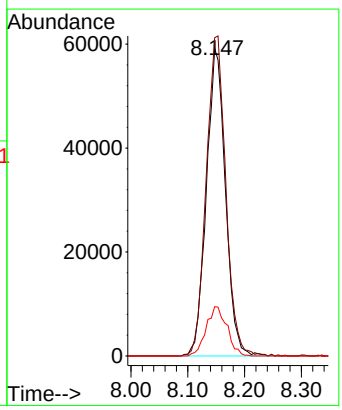


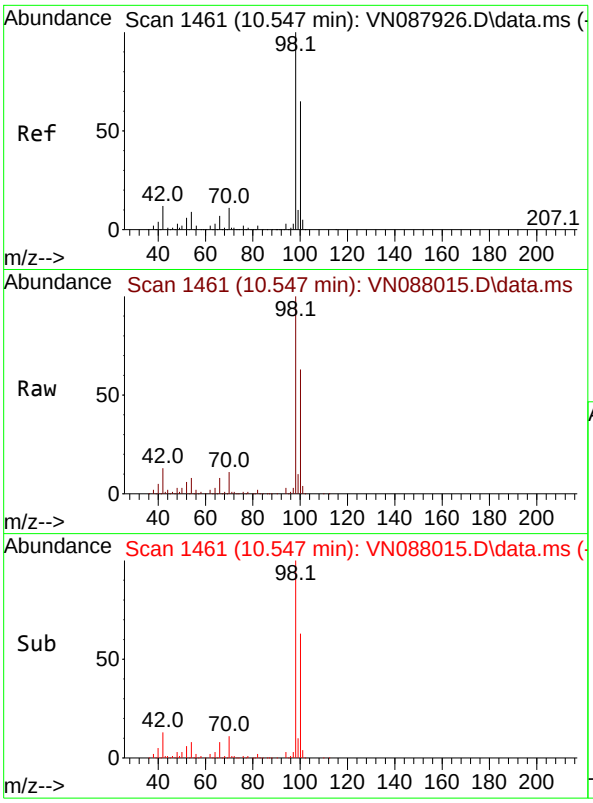


#35
Dibromofluoromethane
Concen: 47.778 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion:113 Resp: 137594

Ion	Ratio	Lower	Upper
113	100		
111	106.7	82.2	123.2
192	17.5	14.2	21.2



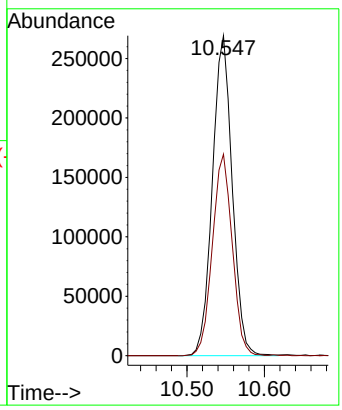


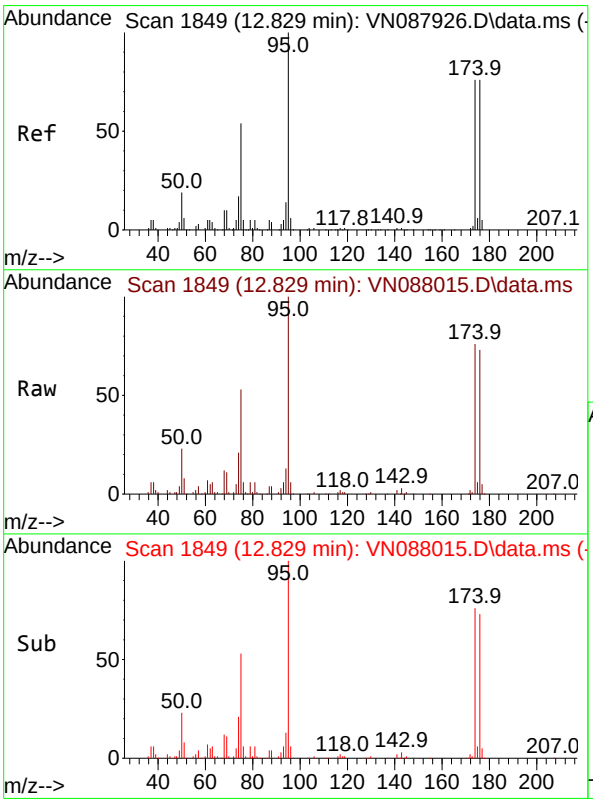
#50
Toluene-d8
Concen: 47.184 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion: 98 Resp: 477841

Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.7	77.5

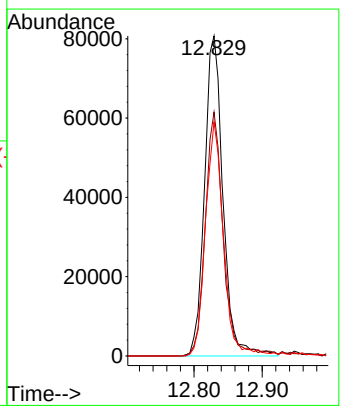


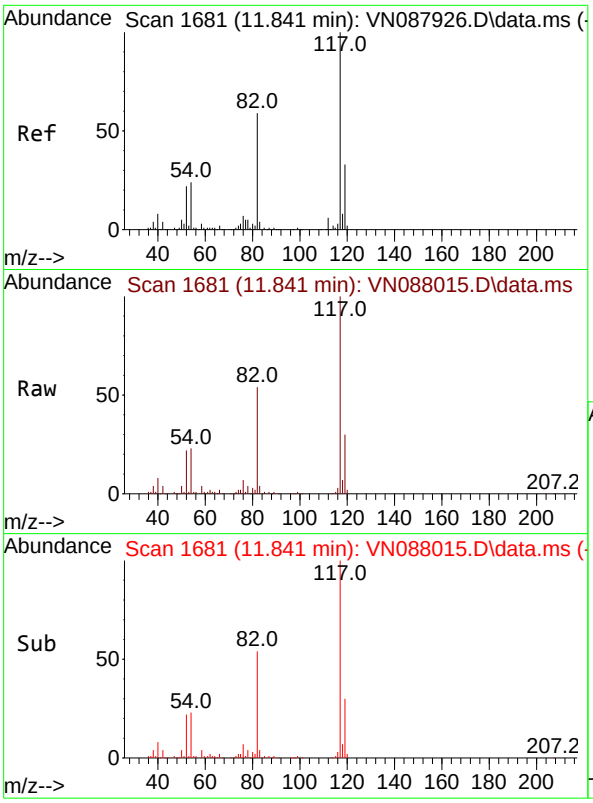


#62
4-Bromofluorobenzene
Concen: 41.958 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion: 95 Resp: 151886

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	159.2
176	71.0	0.0	152.6



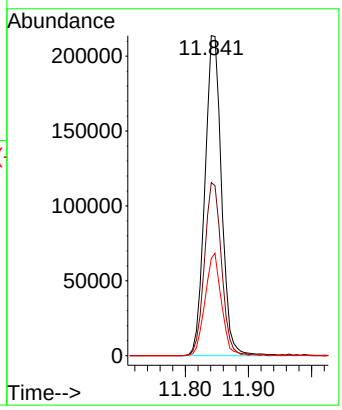


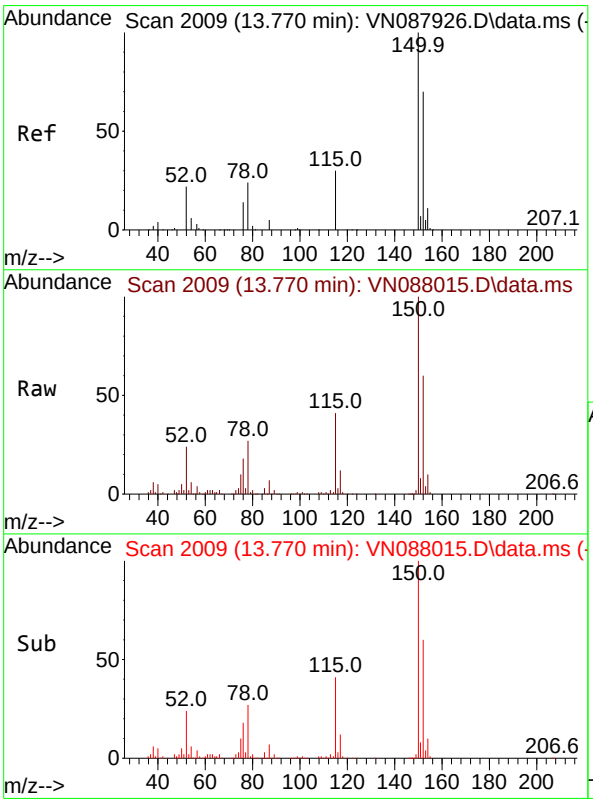
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:117 Resp: 390371

Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.0	70.4
119	30.4	26.1	39.1

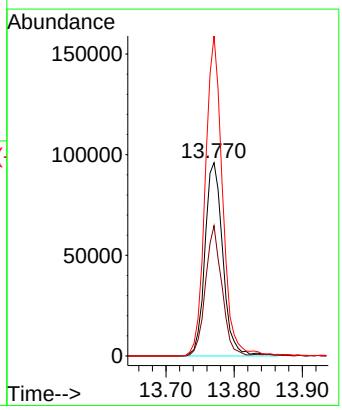




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion:152 Resp: 175413

Ion	Ratio	Lower	Upper
152	100		
115	61.9	29.9	89.7
150	160.2	0.0	335.0



Sample Results: **VN088015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

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\82N092325W.M
Title : SW846 8260

Signal : TIC: VN088015.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1043	1053	1058	rBV	197307	469705	36.52%	6.734%
2	8.206	1058	1063	1073	rVB2	244790	576144	44.80%	8.260%
3	8.565	1114	1124	1134	rBV	202410	465560	36.20%	6.674%
4	9.082	1203	1212	1226	rBV	484610	986815	76.73%	14.147%
5	10.547	1452	1461	1473	rBV	715035	1286157	100.00%	18.439%
6	11.841	1673	1681	1695	rBV	677278	1244426	96.76%	17.841%
7	12.829	1841	1849	1867	rBV2	424640	794436	61.77%	11.389%
8	13.770	2001	2009	2018	rBV	658078	1151992	89.57%	16.515%

Sum of corrected areas: 6975235

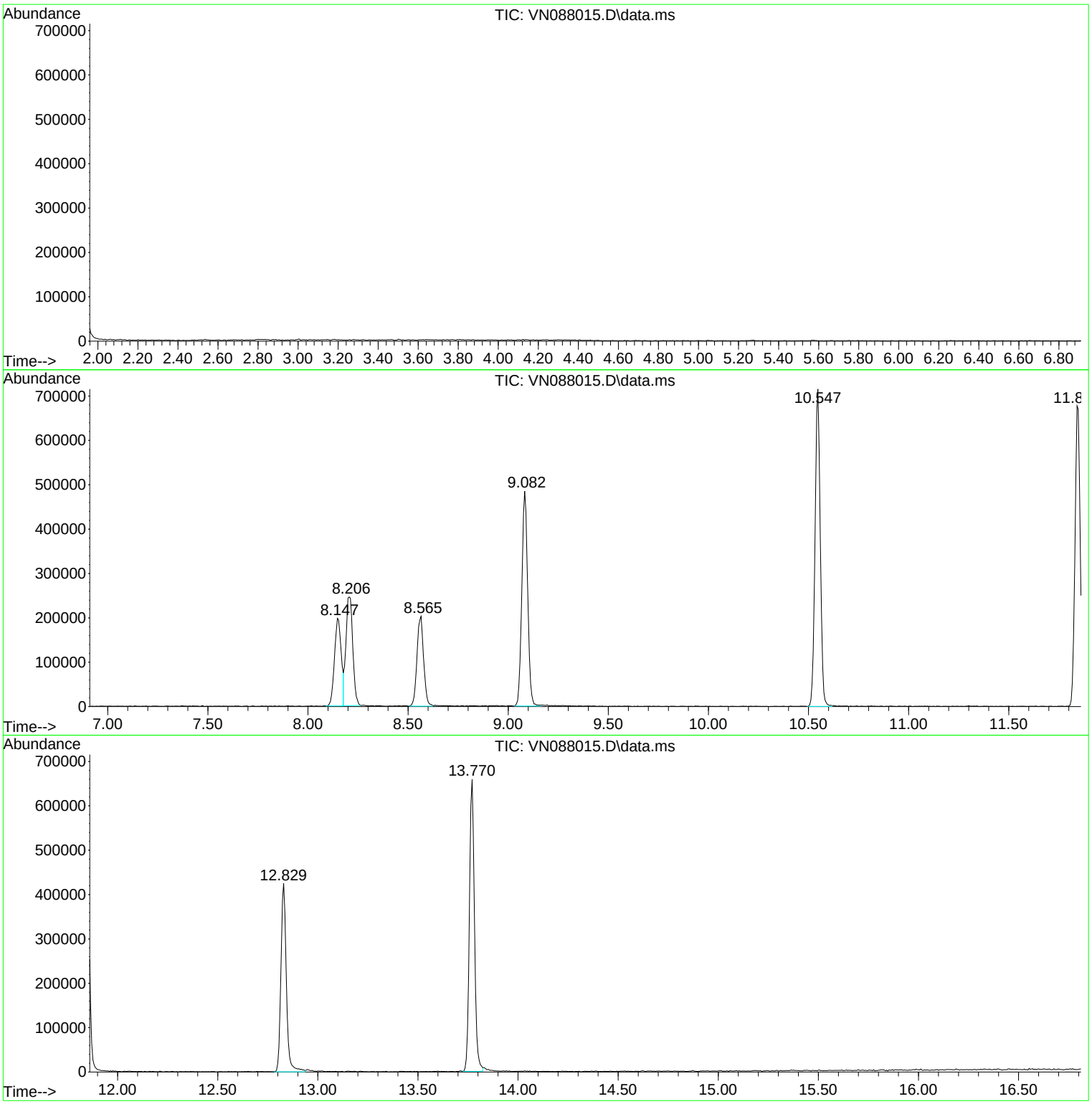
Sample Results: **VN088015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN088015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.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\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.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\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	210745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	397174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	382298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	201044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	184280	51.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.920%			
35) Dibromofluoromethane	8.147	113	144023	49.944	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	10.547	98	505265	49.825	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.829	95	176825	48.782	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	50304	20.611	ug/l	89
3) Chloromethane	2.383	50	52853	21.150	ug/l	95
4) Vinyl Chloride	2.542	62	55684	21.841	ug/l	98
5) Bromomethane	2.977	94	37479	23.713	ug/l	92
6) Chloroethane	3.142	64	37787	22.795	ug/l	95
7) Trichlorofluoromethane	3.518	101	91817	22.119	ug/l	92
8) Diethyl Ether	3.965	74	35179	22.433	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	50708	23.113	ug/l	97
10) Methyl Iodide	4.583	142	43615	22.088	ug/l	93
11) Tert butyl alcohol	5.518	59	51861	101.520	ug/l	97
12) 1,1-Dichloroethene	4.342	96	49379	22.306	ug/l	90
13) Acrolein	4.171	56	41969	64.029	ug/l	97
14) Allyl chloride	5.012	41	77632	21.541	ug/l	98
15) Acrylonitrile	5.712	53	175059	109.248	ug/l	97
16) Acetone	4.418	43	163822	112.264	ug/l	99
17) Carbon Disulfide	4.706	76	132486	19.155	ug/l	99
18) Methyl Acetate	5.024	43	92834	25.420	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	187628	21.697	ug/l	96
20) Methylene Chloride	5.259	84	64540	21.851	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	57617	21.231	ug/l	91
22) Diisopropyl ether	6.653	45	194296	23.094	ug/l	96
23) Vinyl Acetate	6.589	43	833841	117.711	ug/l	100
24) 1,1-Dichloroethane	6.547	63	112207	22.828	ug/l	96
25) 2-Butanone	7.471	43	241051	108.075	ug/l	96
26) 2,2-Dichloropropane	7.471	77	98952	22.659	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	71261	22.069	ug/l	99
28) Bromochloromethane	7.794	49	54438	20.385	ug/l	95
29) Tetrahydrofuran	7.830	42	149625	104.767	ug/l	99
30) Chloroform	7.947	83	125355	23.324	ug/l	98
31) Cyclohexane	8.236	56	86204	21.675	ug/l	87
32) 1,1,1-Trichloroethane	8.153	97	100892	22.217	ug/l	96
36) 1,1-Dichloropropene	8.353	75	76378	22.027	ug/l	96
37) Ethyl Acetate	7.547	43	98881	21.716	ug/l	97
38) Carbon Tetrachloride	8.347	117	84594	21.261	ug/l	99
39) Methylcyclohexane	9.582	83	74573	19.495	ug/l	95
40) Benzene	8.588	78	242780	21.146	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	50675	21.535	ug/l		100
42) 1,2-Dichloroethane	8.653	62	90833	21.200	ug/l		99
43) Isopropyl Acetate	8.671	43	151542	21.143	ug/l		99
44) Trichloroethene	9.330	130	58771	21.430	ug/l		91
45) 1,2-Dichloropropane	9.600	63	64277	22.327	ug/l		91
46) Dibromomethane	9.688	93	50598	22.273	ug/l		95
47) Bromodichloromethane	9.871	83	100758	22.614	ug/l		98
48) Methyl methacrylate	9.665	41	67399	20.306	ug/l		99
49) 1,4-Dioxane	9.682	88	20615	420.425	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.424	43	491455	109.887	ug/l		98
52) Toluene	10.612	92	154675	21.469	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	97633	21.410	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	102613	21.666	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	65722	22.435	ug/l		94
56) Ethyl methacrylate	10.859	69	88156	20.826	ug/l		97
57) 1,3-Dichloropropane	11.141	76	107806	22.374	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	246994	124.104	ug/l		99
59) 2-Hexanone	11.177	43	324609	109.768	ug/l		99
60) Dibromochloromethane	11.335	129	72678	21.101	ug/l		98
61) 1,2-Dibromoethane	11.453	107	66379	21.404	ug/l		99
64) Tetrachloroethene	11.082	164	48633	20.884	ug/l	#	83
65) Chlorobenzene	11.871	112	174633	21.465	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	62521	21.310	ug/l		98
67) Ethyl Benzene	11.941	91	285734	21.048	ug/l		99
68) m/p-Xylenes	12.047	106	218109	42.010	ug/l		98
69) o-Xylene	12.376	106	103083	20.666	ug/l		100
70) Styrene	12.388	104	182866	21.346	ug/l		99
71) Bromoform	12.559	173	48240	20.267	ug/l	#	99
73) Isopropylbenzene	12.676	105	267454	21.465	ug/l		99
74) N-amyl acetate	12.606	43	94357m	22.983	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	101141	22.529	ug/l		97
76) 1,2,3-Trichloropropane	12.971	75	95790m	24.171	ug/l		
77) Bromobenzene	12.959	156	71276	21.499	ug/l		98
78) n-propylbenzene	13.012	91	331926	21.307	ug/l		99
79) 2-Chlorotoluene	13.106	91	203856	21.491	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	232833	21.603	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	27002	18.920	ug/l		94
82) 4-Chlorotoluene	13.200	91	216618	22.664	ug/l		100
83) tert-Butylbenzene	13.418	119	190796	20.915	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	241463	21.842	ug/l		99
85) sec-Butylbenzene	13.594	105	289467	21.643	ug/l		100
86) p-Isopropyltoluene	13.706	119	235506	20.790	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	141493	21.871	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	141799	21.328	ug/l		97
89) n-Butylbenzene	14.035	91	224123	20.936	ug/l		97
90) Hexachloroethane	14.306	117	51390	21.718	ug/l		90
91) 1,2-Dichlorobenzene	14.082	146	132395	21.231	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20888	20.024	ug/l		95
93) 1,2,4-Trichlorobenzene	15.364	180	75098	20.396	ug/l		96
94) Hexachlorobutadiene	15.470	225	26775	19.757	ug/l		97
95) Naphthalene	15.612	128	235049	19.887	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	72634	20.292	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

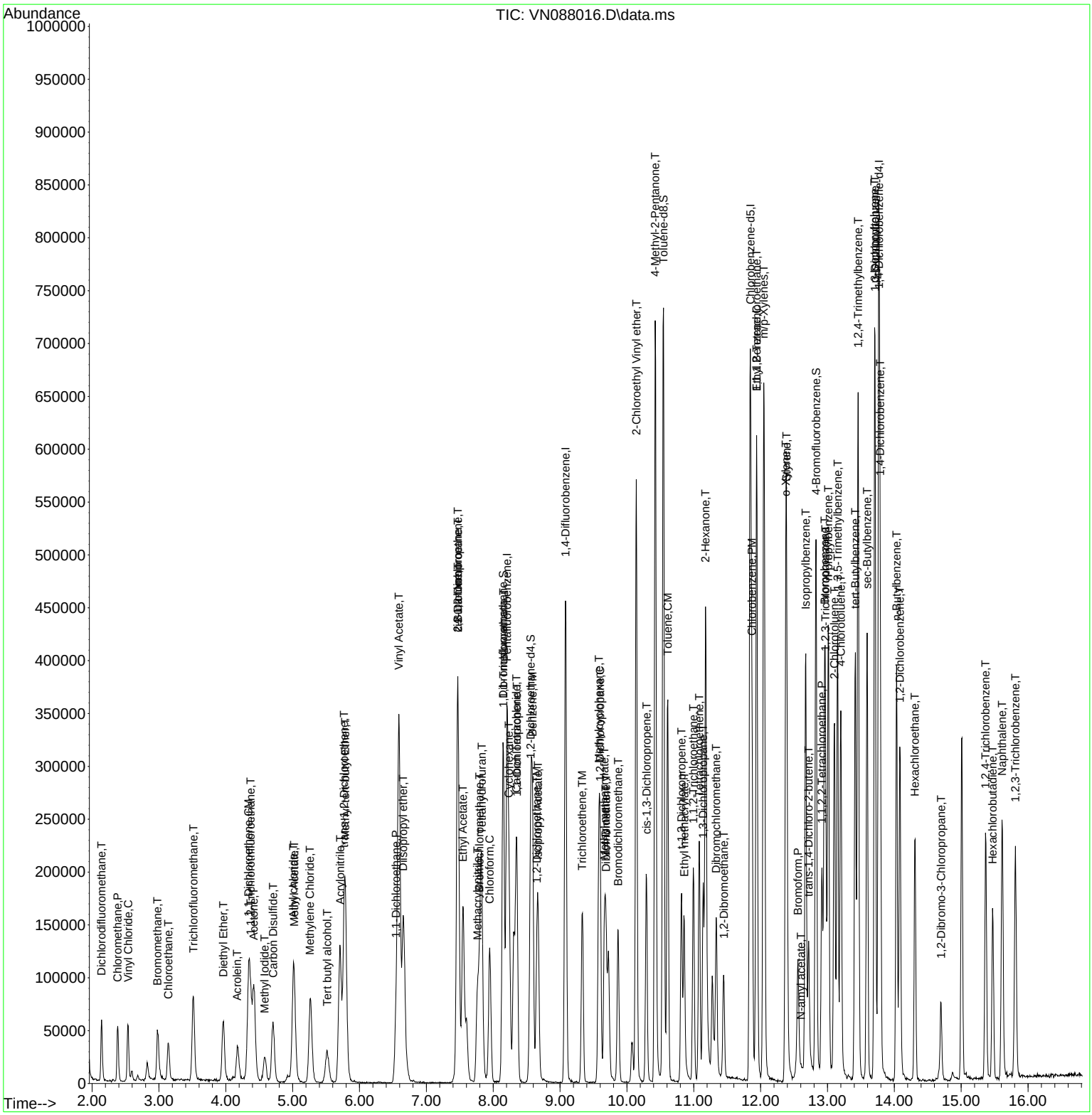
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	228703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	402581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	182423	47.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.800%			
35) Dibromofluoromethane	8.147	113	136184	43.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.280%			
50) Toluene-d8	10.547	98	489802	44.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.240%			
62) 4-Bromofluorobenzene	12.829	95	176109	44.377	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	48119	18.168	ug/l	95
3) Chloromethane	2.383	50	50662	18.681	ug/l	97
4) Vinyl Chloride	2.536	62	51125	18.478	ug/l	97
5) Bromomethane	2.977	94	27339	15.939	ug/l	93
6) Chloroethane	3.136	64	34911	19.406	ug/l	98
7) Trichlorofluoromethane	3.506	101	87381	19.398	ug/l	97
8) Diethyl Ether	3.965	74	36126	21.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	46626	19.583	ug/l	96
10) Methyl Iodide	4.583	142	33271	15.527	ug/l	97
11) Tert butyl alcohol	5.524	59	63264	114.118	ug/l	98
12) 1,1-Dichloroethene	4.342	96	47653	19.836	ug/l	93
13) Acrolein	4.165	56	58812	82.680	ug/l	97
14) Allyl chloride	5.006	41	75096	19.201	ug/l	99
15) Acrylonitrile	5.712	53	174381	100.280	ug/l	99
16) Acetone	4.424	43	165335	104.404	ug/l	96
17) Carbon Disulfide	4.706	76	129613	17.268	ug/l	100
18) Methyl Acetate	5.018	43	97015	24.479	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	192412	20.503	ug/l	96
20) Methylene Chloride	5.265	84	64999	20.278	ug/l #	92
21) trans-1,2-Dichloroethene	5.777	96	56476	19.177	ug/l #	78
22) Diisopropyl ether	6.659	45	195931	21.460	ug/l	94
23) Vinyl Acetate	6.588	43	840790	109.372	ug/l	98
24) 1,1-Dichloroethane	6.553	63	106499	19.966	ug/l	99
25) 2-Butanone	7.471	43	257851	106.529	ug/l	99
26) 2,2-Dichloropropane	7.477	77	97207	20.511	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	68291	19.488	ug/l	97
28) Bromochloromethane	7.794	49	50349	17.373	ug/l	98
29) Tetrahydrofuran	7.824	42	161322	104.088	ug/l	99
30) Chloroform	7.947	83	118801	20.369	ug/l	100
31) Cyclohexane	8.241	56	86333	20.003	ug/l	91
32) 1,1,1-Trichloroethane	8.147	97	99067	20.102	ug/l	96
36) 1,1-Dichloropropene	8.353	75	74501	19.625	ug/l	98
37) Ethyl Acetate	7.547	43	96767	19.411	ug/l	98
38) Carbon Tetrachloride	8.347	117	81494	18.708	ug/l	100
39) Methylcyclohexane	9.582	83	78547	18.756	ug/l	99
40) Benzene	8.582	78	241648	19.225	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	50055	19.429	ug/l		95
42) 1,2-Dichloroethane	8.653	62	86910	18.528	ug/l		98
43) Isopropyl Acetate	8.677	43	158166	20.157	ug/l		99
44) Trichloroethene	9.335	130	58280	19.411	ug/l		87
45) 1,2-Dichloropropane	9.600	63	59911	19.008	ug/l		96
46) Dibromomethane	9.688	93	47133	18.951	ug/l		94
47) Bromodichloromethane	9.871	83	96058	19.692	ug/l		92
48) Methyl methacrylate	9.665	41	70779	19.478	ug/l		99
49) 1,4-Dioxane	9.682	88	23082	429.972	ug/l		98
51) 4-Methyl-2-Pentanone	10.424	43	495920	101.282	ug/l		99
52) Toluene	10.612	92	153141	19.415	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	97316	19.493	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	101859	19.644	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	63111	19.678	ug/l		97
56) Ethyl methacrylate	10.859	69	85962	18.549	ug/l		95
57) 1,3-Dichloropropane	11.141	76	105830	20.062	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	278033	127.602	ug/l		98
59) 2-Hexanone	11.176	43	303609	93.776	ug/l		96
60) Dibromochloromethane	11.335	129	72169	19.139	ug/l		99
61) 1,2-Dibromoethane	11.447	107	66699	19.645	ug/l		97
64) Tetrachloroethene	11.082	164	46836	19.099	ug/l		93
65) Chlorobenzene	11.865	112	171353	20.001	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	61187	19.805	ug/l		95
67) Ethyl Benzene	11.941	91	278838	19.505	ug/l		97
68) m/p-Xylenes	12.047	106	215590	39.433	ug/l		99
69) o-Xylene	12.376	106	100108	19.058	ug/l		96
70) Styrene	12.394	104	178431	19.779	ug/l		99
71) Bromoform	12.565	173	45970	18.340	ug/l	#	96
73) Isopropylbenzene	12.676	105	261068	20.372	ug/l		99
74) N-amyl acetate	12.682	43	82436m	19.524	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	96751	20.954	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	79136m	19.416	ug/l		
77) Bromobenzene	12.959	156	67939	19.926	ug/l		97
78) n-propylbenzene	13.017	91	325816	20.336	ug/l		100
79) 2-Chlorotoluene	13.100	91	193668	19.852	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	225854	20.376	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	27307	18.604	ug/l		91
82) 4-Chlorotoluene	13.200	91	196420	19.982	ug/l		97
83) tert-Butylbenzene	13.417	119	192922	20.563	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	229109	20.152	ug/l		99
85) sec-Butylbenzene	13.594	105	281157	20.440	ug/l		99
86) p-Isopropyltoluene	13.706	119	233560	20.048	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	129925	19.527	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	134356	19.649	ug/l		98
89) n-Butylbenzene	14.035	91	217412	19.747	ug/l		99
90) Hexachloroethane	14.306	117	46848	19.251	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	128110	19.975	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21548	20.085	ug/l		96
93) 1,2,4-Trichlorobenzene	15.370	180	75323	19.891	ug/l		98
94) Hexachlorobutadiene	15.470	225	25038	17.965	ug/l		94
95) Naphthalene	15.611	128	244645	20.127	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	70087	19.038	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

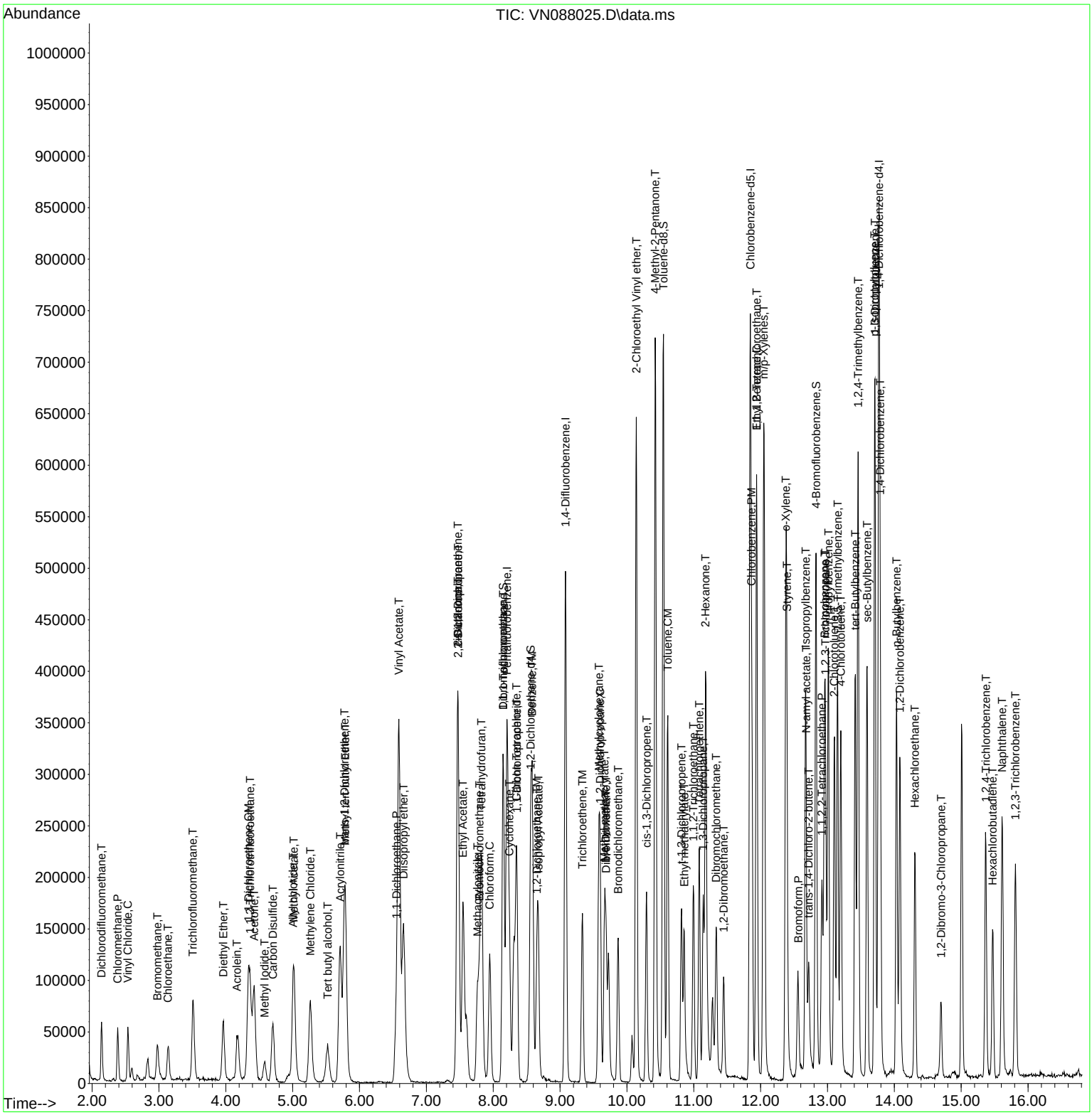
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



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

Manual Integration Report

Sequence:	VN092325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087924.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:09:59 AM	MMDadoda	9/26/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC005	VN087924.D	Acetone	JOHN	9/24/2025 8:09:59 AM	MMDadoda	9/26/2025 1:41:24 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	N-amyl acetate	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	Vinyl Acetate	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	N-amyl acetate	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	Vinyl Acetate	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC150	VN087928.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:15 AM	MMDadoda	9/26/2025 1:41:29 AM	Peak Integrated by Software
VSTDICC150	VN087928.D	Vinyl Acetate	JOHN	9/24/2025 8:10:15 AM	MMDadoda	9/26/2025 1:41:29 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	N-amyl acetate	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	Vinyl Acetate	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN092325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN087931.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software
VSTDICV050	VN087931.D	N-amyl acetate	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software
VSTDICV050	VN087931.D	Vinyl Acetate	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN100325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088013.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:21 AM	SAM	10/6/2025 4:28:25 AM	Peak Integrated by Software
VSTDCCC050	VN088013.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:21 AM	SAM	10/6/2025 4:28:25 AM	Peak Integrated by Software
VN1003WBS01	VN088016.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:22 AM	SAM	10/6/2025 4:28:26 AM	Peak Integrated by Software
VN1003WBS01	VN088016.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:22 AM	SAM	10/6/2025 4:28:26 AM	Peak Integrated by Software
Q3274-01	VN088021.D	n-Butylbenzene	MMDadoda	10/6/2025 4:24:25 AM	SAM	10/6/2025 4:28:30 AM	Peak Integrated by Software
VN1003WBSD01	VN088025.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:27 AM	SAM	10/6/2025 4:28:32 AM	Peak Integrated by Software
VN1003WBSD01	VN088025.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:27 AM	SAM	10/6/2025 4:28:32 AM	Peak Integrated by Software
Q3274-01DL	VN088027.D	n-Butylbenzene	MMDadoda	10/6/2025 4:24:28 AM	SAM	10/6/2025 4:28:34 AM	Peak Integrated by Software
VSTDCCC050	VN088028.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:30 AM	SAM	10/6/2025 4:28:36 AM	Peak Integrated by Software
VSTDCCC050	VN088028.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:30 AM	SAM	10/6/2025 4:28:36 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

Review By	John Carlone	Review On	9/24/2025 8:10:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:41:42 AM		
SubDirectory	VN092325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135592
Initial Calibration Stds	VP135674,VP135675,VP135676,VP135677,VP135678
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135679
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087922.D	23 Sep 2025 08:31	JC\MD	Ok
2	VSTDICC001	VN087923.D	23 Sep 2025 08:51	JC\MD	Not Ok
3	VSTDICC005	VN087924.D	23 Sep 2025 09:33	JC\MD	Ok,M
4	VSTDICC020	VN087925.D	23 Sep 2025 09:54	JC\MD	Not Ok
5	VSTDICCC050	VN087926.D	23 Sep 2025 10:15	JC\MD	Ok,M
6	VSTDICC100	VN087927.D	23 Sep 2025 10:36	JC\MD	Ok,M
7	VSTDICC150	VN087928.D	23 Sep 2025 10:56	JC\MD	Ok,M
8	IBLK	VN087929.D	23 Sep 2025 11:17	JC\MD	Ok
9	VSTDICC020	VN087930.D	23 Sep 2025 11:47	JC\MD	Ok,M
10	VSTDICV050	VN087931.D	23 Sep 2025 15:08	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:24:42 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:46 AM		
SubDirectory	VN100325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135737
Initial Calibration Stds	
CCC	VP135738,VP135739
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088012.D	03 Oct 2025 09:34	JC\MD	Ok
2	VSTDCCC050	VN088013.D	03 Oct 2025 10:17	JC\MD	Ok,M
3	VN1003MBL01	VN088014.D	03 Oct 2025 10:50	JC\MD	Ok
4	VN1003WBL01	VN088015.D	03 Oct 2025 11:11	JC\MD	Ok
5	VN1003WBS01	VN088016.D	03 Oct 2025 12:07	JC\MD	Ok,M
6	VN1003MBS01	VN088017.D	03 Oct 2025 12:40	JC\MD	Ok,M
7	Q3272-03	VN088018.D	03 Oct 2025 13:01	JC\MD	Not Ok
8	IBLK	VN088019.D	03 Oct 2025 13:21	JC\MD	Ok
9	IBLK	VN088020.D	03 Oct 2025 13:57	JC\MD	Ok
10	Q3274-01	VN088021.D	03 Oct 2025 14:17	JC\MD	Dilution
11	Q3274-02	VN088022.D	03 Oct 2025 14:38	JC\MD	Dilution
12	Q3224-02	VN088023.D	03 Oct 2025 14:59	JC\MD	Ok
13	IBLK	VN088024.D	03 Oct 2025 15:34	JC\MD	Ok
14	VN1003WBSD01	VN088025.D	03 Oct 2025 15:55	JC\MD	Ok,M
15	Q3274-02DL	VN088026.D	03 Oct 2025 16:16	JC\MD	Ok
16	Q3274-01DL	VN088027.D	03 Oct 2025 16:37	JC\MD	Ok,M
17	VSTDCCC050	VN088028.D	03 Oct 2025 16:58	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

Review By	John Carlone	Review On	9/24/2025 8:10:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:41:42 AM		
SubDirectory	VN092325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135592
Initial Calibration Stds	VP135674,VP135675,VP135676,VP135677,VP135678
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135679
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087922.D	23 Sep 2025 08:31		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087923.D	23 Sep 2025 08:51	Not used	JC\MD	Not Ok
3	VSTDICC005	VSTDICC005	VN087924.D	23 Sep 2025 09:33		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087925.D	23 Sep 2025 09:54	Spiked Low	JC\MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VN087926.D	23 Sep 2025 10:15		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087927.D	23 Sep 2025 10:36		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087928.D	23 Sep 2025 10:56		JC\MD	Ok,M
8	IBLK	IBLK	VN087929.D	23 Sep 2025 11:17		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN087930.D	23 Sep 2025 11:47		JC\MD	Ok,M
10	VSTDICV050	ICVVN092325	VN087931.D	23 Sep 2025 15:08		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:24:42 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:46 AM		
SubDirectory	VN100325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135737
Initial Calibration Stds	
CCC	VP135738,VP135739
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	VN088012.D	03 Oct 2025 09:34		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088013.D	03 Oct 2025 10:17		JC\MD	Ok,M
3	VN1003MBL01	VN1003MBL01	VN088014.D	03 Oct 2025 10:50		JC\MD	Ok
4	VN1003WBL01	VN1003WBL01	VN088015.D	03 Oct 2025 11:11		JC\MD	Ok
5	VN1003WBS01	VN1003WBS01	VN088016.D	03 Oct 2025 12:07		JC\MD	Ok,M
6	VN1003MBS01	VN1003MBS01	VN088017.D	03 Oct 2025 12:40		JC\MD	Ok,M
7	Q3272-03	R7	VN088018.D	03 Oct 2025 13:01	Need Soil Run	JC\MD	Not Ok
8	IBLK	IBLK	VN088019.D	03 Oct 2025 13:21		JC\MD	Ok
9	IBLK	IBLK	VN088020.D	03 Oct 2025 13:57		JC\MD	Ok
10	Q3274-01	MW4	VN088021.D	03 Oct 2025 14:17	vial A pH<2 Need 10X	JC\MD	Dilution
11	Q3274-02	MW5	VN088022.D	03 Oct 2025 14:38	vial A pH<2 Need 5X	JC\MD	Dilution
12	Q3224-02	60490	VN088023.D	03 Oct 2025 14:59	vial A pH<2	JC\MD	Ok
13	IBLK	IBLK	VN088024.D	03 Oct 2025 15:34		JC\MD	Ok
14	VN1003WBSD01	VN1003WBSD01	VN088025.D	03 Oct 2025 15:55		JC\MD	Ok,M
15	Q3274-02DL	MW5DL	VN088026.D	03 Oct 2025 16:16	vial B pH<2	JC\MD	Ok
16	Q3274-01DL	MW4DL	VN088027.D	03 Oct 2025 16:37	vial B pH<2	JC\MD	Ok,M
17	VSTDCCC050	VSTDCCC050EC	VN088028.D	03 Oct 2025 16:58		JC\MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q3274	**OrderDate:**	10/2/2025 3:37:00 PM
Client:	G Environmental	**Project:**	ANN
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3274-01	**MW4**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	
Q3274-01DL	**MW4DL**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	
Q3274-02	**MW5**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	
Q3274-02DL	**MW5DL**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	