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

Hit Summary Sheet
SW-846

SDG No.: Q3109

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW1D**								
Q3109-01	MW1D	Water	Toluene		0.71	J	0.14	1.00	ug/L
			Total Voc :		0.71				
			Total Concentration:		0.71				
Client ID:	**MW1**								
Q3109-02	MW1	Water	Cyclohexane		250	E	1.50	5.00	ug/L
Q3109-02	MW1	Water	Methylcyclohexane		110		0.16	1.00	ug/L
Q3109-02	MW1	Water	Benzene		8.70		0.15	1.00	ug/L
Q3109-02	MW1	Water	Toluene		3.80		0.14	1.00	ug/L
Q3109-02	MW1	Water	Ethyl Benzene		1100	E	0.13	1.00	ug/L
Q3109-02	MW1	Water	m/p-Xylenes		71.2		0.24	2.00	ug/L
Q3109-02	MW1	Water	o-Xylene		11.7		0.12	1.00	ug/L
Q3109-02	MW1	Water	Isopropylbenzene		75.0		0.12	1.00	ug/L
			Total Voc :		1630				
Q3109-02	MW1	Water	Naphthalene, 2-methyl-	*	140	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 1,2,4,5-tetramethyl-	*	130	J	0	0	ug/L
Q3109-02	MW1	Water	Cyclopentane, methyl-	*	72.0	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 1,4-diethyl-	*	61.5	J	0	0	ug/L
Q3109-02	MW1	Water	Pentane, 2-methyl-	*	60.6	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 1,2,3,4-tetramethyl-	*	110	J	0	0	ug/L
Q3109-02	MW1	Water	Indane	*	480	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 1-ethyl-2-methyl-	*	90.2	J	0	0	ug/L
Q3109-02	MW1	Water	Indan, 1-methyl-	*	140	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, (1,2-dimethyl-1-prop	*	57.5	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	170	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 2-ethyl-1,4-dimethyl-	*	100	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 2-ethenyl-1,4-dimeth	*	290	J	0	0	ug/L
Q3109-02	MW1	Water	Benzene, 1-ethenyl-4-ethyl-	*	130	J	0	0	ug/L
Q3109-02	MW1	Water	n-propylbenzene	*	220	J	0.13	1.00	ug/L
Q3109-02	MW1	Water	1,3,5-Trimethylbenzene	*	9.30	J	0.15	1.00	ug/L
Q3109-02	MW1	Water	1,2,4-Trimethylbenzene	*	790	J	0.14	1.00	ug/L
Q3109-02	MW1	Water	sec-Butylbenzene	*	10.0	J	0.13	1.00	ug/L
Q3109-02	MW1	Water	p-Isopropyltoluene	*	5.10	J	0.13	1.00	ug/L
Q3109-02	MW1	Water	n-Butylbenzene	*	18.7	J	0.15	1.00	ug/L
Q3109-02	MW1	Water	Naphthalene	*	580	J	0.20	1.00	ug/L
			Total Tics :		3660				
			Total Concentration:		5300				

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3109

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW1DL**							
Q3109-02DL	MW1DL	Water	Cyclohexane	280	D	29.0	100	ug/L
Q3109-02DL	MW1DL	Water	Methylcyclohexane	120	D	3.20	20.0	ug/L
Q3109-02DL	MW1DL	Water	Benzene	11.6	JD	3.00	20.0	ug/L
Q3109-02DL	MW1DL	Water	Toluene	5.00	JD	2.80	20.0	ug/L
Q3109-02DL	MW1DL	Water	Ethyl Benzene	1600	D	2.60	20.0	ug/L
Q3109-02DL	MW1DL	Water	m/p-Xylenes	74.1	D	4.80	40.0	ug/L
Q3109-02DL	MW1DL	Water	o-Xylene	13.8	JD	2.40	20.0	ug/L
Q3109-02DL	MW1DL	Water	Isopropylbenzene	79.2	D	2.40	20.0	ug/L
			Total Voc :	2180				
			Total Concentration:	2180				

SAMPLE DATA

Raw Data: **VN087854.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1D	SDG No.:	Q3109
Lab Sample ID:	Q3109-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087854.D	1	09/16/25 16:50	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	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	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.71	J	0.14	1.00	ug/L

Raw Data: **VN087854.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1D	SDG No.:	Q3109
Lab Sample ID:	Q3109-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087854.D	1	09/16/25 16:50	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	47.1		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.206			
540-36-3	1,4-Difluorobenzene	418000	9.082			
3114-55-4	Chlorobenzene-d5	408000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.77			

Raw Data: **VN087854.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:	09/16/25
Project:	Metuchen			Date Received:	09/16/25
Client Sample ID:	MW1D			SDG No.:	Q3109
Lab Sample ID:	Q3109-01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087854.D	1	09/16/25 16:50	VN091625

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: **VN087855.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1	SDG No.:	Q3109
Lab Sample ID:	Q3109-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087855.D	1	09/16/25 17:11	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	250	E	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	110		0.16	1.00	ug/L
71-43-2	Benzene	8.70		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	3.80		0.14	1.00	ug/L

Raw Data: **VN087855.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1	SDG No.:	Q3109
Lab Sample ID:	Q3109-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087855.D	1	09/16/25 17:11	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1100	E	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	71.2		0.24	2.00	ug/L
95-47-6	o-Xylene	11.7		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	75.0		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.3		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	47.0		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	8.212			
540-36-3	1,4-Difluorobenzene	472000	9.082			
3114-55-4	Chlorobenzene-d5	449000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	231000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN087855.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1	SDG No.:	Q3109
Lab Sample ID:	Q3109-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087855.D	1	09/16/25 17:11	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	60.6	J		5.33	ug/L
000096-37-7	Cyclopentane, methyl-	72.0	J		7.31	ug/L
103-65-1	n-propylbenzene	220	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	9.30	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	90.2	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	790	J		13.5	ug/L
135-98-8	sec-Butylbenzene	10.0	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	5.10	J		13.7	ug/L
000105-05-5	Benzene, 1,4-diethyl-	61.5	J		13.9	ug/L
000496-11-7	Indane	480	J		14.0	ug/L
104-51-8	n-Butylbenzene	18.7	J		14.0	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	100	J		14.2	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	170	J		14.3	ug/L
000767-58-8	Indan, 1-methyl-	140	J		14.4	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	110	J		14.6	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	130	J		14.7	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	130	J		14.9	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	290	J		15.0	ug/L
000769-57-3	Benzene, (1,2-dimethyl-1-propenyl)	57.5	J		15.3	ug/L
91-20-3	Naphthalene	580	J		15.6	ug/L
000091-57-6	Naphthalene, 2-methyl-	140	J		16.7	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: **VX047606.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1DL	SDG No.:	Q3109
Lab Sample ID:	Q3109-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047606.D	20	09/17/25 10:57	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	UD	4.40	20.0	ug/L
74-87-3	Chloromethane	6.40	UD	6.40	20.0	ug/L
75-01-4	Vinyl Chloride	5.20	UD	5.20	20.0	ug/L
74-83-9	Bromomethane	28.8	UD	28.8	100	ug/L
75-00-3	Chloroethane	9.40	UD	9.40	20.0	ug/L
75-69-4	Trichlorofluoromethane	6.60	UD	6.60	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	5.00	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.60	UD	4.60	20.0	ug/L
67-64-1	Acetone	30.2	UD	30.2	100	ug/L
75-15-0	Carbon Disulfide	4.20	UD	4.20	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	3.20	UD	3.20	20.0	ug/L
79-20-9	Methyl Acetate	5.40	UD	5.40	20.0	ug/L
75-09-2	Methylene Chloride	5.60	UD	5.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.60	UD	4.60	20.0	ug/L
75-34-3	1,1-Dichloroethane	4.60	UD	4.60	20.0	ug/L
110-82-7	Cyclohexane	280	D	29.0	100	ug/L
78-93-3	2-Butanone	19.6	UD	19.6	100	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	3.80	20.0	ug/L
74-97-5	Bromochloromethane	4.40	UD	4.40	20.0	ug/L
67-66-3	Chloroform	5.00	UD	5.00	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	UD	4.00	20.0	ug/L
108-87-2	Methylcyclohexane	120	D	3.20	20.0	ug/L
71-43-2	Benzene	11.6	JD	3.00	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.40	UD	4.40	20.0	ug/L
79-01-6	Trichloroethene	1.90	UD	1.90	20.0	ug/L
78-87-5	1,2-Dichloropropane	4.00	UD	4.00	20.0	ug/L
75-27-4	Bromodichloromethane	4.40	UD	4.40	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	13.6	UD	13.6	100	ug/L
108-88-3	Toluene	5.00	JD	2.80	20.0	ug/L

Raw Data: **VX047606.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1DL	SDG No.:	Q3109
Lab Sample ID:	Q3109-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047606.D	20	09/17/25 10:57	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	3.40	UD	3.40	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.20	UD	3.20	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	UD	4.20	20.0	ug/L
591-78-6	2-Hexanone	17.8	UD	17.8	100	ug/L
124-48-1	Dibromochloromethane	3.60	UD	3.60	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.00	UD	3.00	20.0	ug/L
127-18-4	Tetrachloroethene	4.60	UD	4.60	20.0	ug/L
108-90-7	Chlorobenzene	2.40	UD	2.40	20.0	ug/L
100-41-4	Ethyl Benzene	1600	D	2.60	20.0	ug/L
179601-23-1	m/p-Xylenes	74.1	D	4.80	40.0	ug/L
95-47-6	o-Xylene	13.8	JD	2.40	20.0	ug/L
100-42-5	Styrene	3.00	UD	3.00	20.0	ug/L
75-25-2	Bromoform	3.80	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	79.2	D	2.40	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.20	UD	5.20	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.20	UD	3.20	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	3.80	UD	3.80	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.20	UD	3.20	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.6	UD	10.6	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.00	UD	4.00	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	4.00	UD	4.00	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	46.6		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	5.543			
540-36-3	1,4-Difluorobenzene	317000	6.751			
3114-55-4	Chlorobenzene-d5	305000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.006			

Raw Data: **VX047606.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:	09/16/25
Project:	Metuchen	Date Received:	09/16/25
Client Sample ID:	MW1DL	SDG No.:	Q3109
Lab Sample ID:	Q3109-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047606.D	20	09/17/25 10:57	VX091725

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.: Q3109

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3109-01	MW1D	1,2-Dichloroethane-d4	50	49.9	100		74	125
		Dibromofluoromethane	50	51.8	104		75	124
		Toluene-d8	50	47.1	94		86	113
		4-Bromofluorobenzene	50	47.5	95		77	121
Q3109-02	MW1	1,2-Dichloroethane-d4	50	45.3	91		74	125
		Dibromofluoromethane	50	48.2	96		75	124
		Toluene-d8	50	47.0	94		86	113
		4-Bromofluorobenzene	50	48.9	98		77	121
Q3109-02DL	MW1DL	1,2-Dichloroethane-d4	50	46.5	93		74	125
		Dibromofluoromethane	50	44.6	89		75	124
		Toluene-d8	50	46.6	93		86	113
		4-Bromofluorobenzene	50	51.5	103		77	121
VN0916WBL01	VN0916WBL01	1,2-Dichloroethane-d4	50	49.1	98		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	47.1	94		86	113
		4-Bromofluorobenzene	50	45.7	91		77	121
VN0916WBS01	VN0916WBS01	1,2-Dichloroethane-d4	50	44.1	88		74	125
		Dibromofluoromethane	50	47.5	95		75	124
		Toluene-d8	50	45.0	90		86	113
		4-Bromofluorobenzene	50	46.8	94		77	121
VN0916WBSD0	VN0916WBSD01	1,2-Dichloroethane-d4	50	43.5	87		74	125
		Dibromofluoromethane	50	48.6	97		75	124
		Toluene-d8	50	45.6	91		86	113
		4-Bromofluorobenzene	50	46.4	93		77	121
VX0917WBL01	VX0917WBL01	1,2-Dichloroethane-d4	50	50.2	100		74	125
		Dibromofluoromethane	50	47.0	94		75	124
		Toluene-d8	50	47.4	95		86	113
		4-Bromofluorobenzene	50	52.9	106		77	121
VX0917WBS01	VX0917WBS01	1,2-Dichloroethane-d4	50	50.5	101		74	125
		Dibromofluoromethane	50	50.9	102		75	124
		Toluene-d8	50	51.5	103		86	113
		4-Bromofluorobenzene	50	51.4	103		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3109 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087850.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0916WBS01	Dichlorodifluoromethane	20	18.5	ug/L	93			69	116	
	Chloromethane	20	19.0	ug/L	95			65	116	
	Vinyl chloride	20	17.9	ug/L	90			65	117	
	Bromomethane	20	19.8	ug/L	99			58	125	
	Chloroethane	20	18.1	ug/L	91			56	128	
	Trichlorofluoromethane	20	19.4	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92			80	112	
	1,1-Dichloroethene	20	18.2	ug/L	91			74	110	
	Acetone	100	75.9	ug/L	76			60	125	
	Carbon disulfide	20	19.4	ug/L	97			64	112	
	Methyl tert-butyl Ether	20	18.0	ug/L	90			78	114	
	Methyl Acetate	20	19.6	ug/L	98			67	125	
	Methylene Chloride	20	19.2	ug/L	96			72	114	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	108	
	1,1-Dichloroethane	20	18.0	ug/L	90			78	112	
	Cyclohexane	20	17.7	ug/L	89			75	110	
	2-Butanone	100	87.0	ug/L	87			65	122	
	Carbon Tetrachloride	20	19.2	ug/L	96			77	113	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			77	110	
	Bromochloromethane	20	17.9	ug/L	90			70	124	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			80	108	
	Methylcyclohexane	20	17.4	ug/L	87			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	18.1	ug/L	91			80	115	
	Trichloroethene	20	18.9	ug/L	95			77	113	
	1,2-Dichloropropane	20	18.4	ug/L	92			83	111	
	Bromodichloromethane	20	19.1	ug/L	96			83	110	
	4-Methyl-2-Pentanone	100	92.8	ug/L	93			74	118	
	Toluene	20	18.6	ug/L	93			82	110	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			79	110	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			83	112	
	2-Hexanone	100	90.1	ug/L	90			73	117	
	Dibromochloromethane	20	18.9	ug/L	95			82	110	
	1,2-Dibromoethane	20	19.0	ug/L	95			81	110	
	Tetrachloroethene	20	19.2	ug/L	96			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	
	Ethyl Benzene	20	18.2	ug/L	91			83	109	
	m/p-Xylenes	40	37.6	ug/L	94			82	110	
	o-Xylene	20	18.8	ug/L	94			83	109	
	Styrene	20	18.8	ug/L	94			80	111	
	Bromoform	20	21.0	ug/L	105			79	109	
	Isopropylbenzene	20	16.7	ug/L	84			83	112	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			76	118	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			82	108	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			82	107	
	1,2-Dichlorobenzene	20	17.9	ug/L	90			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3109 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087850.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0916WBS01	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			68	112	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3109 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0916WBSD01	Dichlorodifluoromethane	20	19.0	ug/L	95	2		69	116	19
	Chloromethane	20	18.4	ug/L	92	3		65	116	21
	Vinyl chloride	20	18.4	ug/L	92	2		65	117	19
	Bromomethane	20	19.5	ug/L	98	1		58	125	20
	Chloroethane	20	16.9	ug/L	85	7		56	128	20
	Trichlorofluoromethane	20	19.7	ug/L	99	2		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93	1		80	112	15
	1,1-Dichloroethene	20	17.6	ug/L	88	3		74	110	20
	Acetone	100	71.9	ug/L	72	5		60	125	20
	Carbon disulfide	20	18.7	ug/L	94	3		64	112	20
	Methyl tert-butyl Ether	20	17.0	ug/L	85	6		78	114	20
	Methyl Acetate	20	18.6	ug/L	93	5		67	125	20
	Methylene Chloride	20	18.4	ug/L	92	4		72	114	20
	trans-1,2-Dichloroethene	20	17.6	ug/L	88	4		75	108	16
	1,1-Dichloroethane	20	17.5	ug/L	88	2		78	112	20
	Cyclohexane	20	18.1	ug/L	91	2		75	110	20
	2-Butanone	100	84.2	ug/L	84	4		65	122	26
	Carbon Tetrachloride	20	19.7	ug/L	99	3		77	113	15
	cis-1,2-Dichloroethene	20	18.2	ug/L	91	6		77	110	20
	Bromochloromethane	20	17.4	ug/L	87	3		70	124	20
	Chloroform	20	18.0	ug/L	90	5		79	113	20
	1,1,1-Trichloroethane	20	18.1	ug/L	91	3		80	108	20
	Methylcyclohexane	20	18.5	ug/L	93	7		72	115	20
	Benzene	20	18.9	ug/L	95	1		82	109	15
	1,2-Dichloroethane	20	18.0	ug/L	90	1		80	115	20
	Trichloroethene	20	19.8	ug/L	99	4		77	113	15
	1,2-Dichloropropane	20	18.4	ug/L	92	0		83	111	16
	Bromodichloromethane	20	19.2	ug/L	96	0		83	110	16
	4-Methyl-2-Pentanone	100	92.1	ug/L	92	1		74	118	25
	Toluene	20	18.7	ug/L	94	1		82	110	16
	t-1,3-Dichloropropene	20	18.3	ug/L	92	2		79	110	20
	cis-1,3-Dichloropropene	20	17.9	ug/L	90	4		82	110	16
	1,1,2-Trichloroethane	20	20.1	ug/L	101	4		83	112	20
	2-Hexanone	100	89.5	ug/L	90	0		73	117	25
	Dibromochloromethane	20	19.1	ug/L	96	1		82	110	20
	1,2-Dibromoethane	20	18.6	ug/L	93	2		81	110	20
	Tetrachloroethene	20	19.7	ug/L	99	3		67	123	15
	Chlorobenzene	20	19.0	ug/L	95	1		82	109	15
	Ethyl Benzene	20	18.7	ug/L	94	3		83	109	16
	m/p-Xylenes	40	39.2	ug/L	98	4		82	110	15
	o-Xylene	20	19.5	ug/L	98	4		83	109	20
	Styrene	20	19.0	ug/L	95	1		80	111	17
	Bromoform	20	21.1	ug/L	106	1		79	109	20
	Isopropylbenzene	20	17.4	ug/L	87	4		83	112	29
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93	6		76	118	20
	1,3-Dichlorobenzene	20	18.8	ug/L	94	4		82	108	20
	1,4-Dichlorobenzene	20	18.2	ug/L	91	0		82	107	15
	1,2-Dichlorobenzene	20	19.3	ug/L	97	7		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3109 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0916WBSD01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85	4		68	112	20
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95	5		75	113	29
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93	4		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3109 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX047604.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0917WBS01	Dichlorodifluoromethane	20	15.9	ug/L	79			69	116	
	Chloromethane	20	16.0	ug/L	80			65	116	
	Vinyl chloride	20	16.9	ug/L	85			65	117	
	Bromomethane	20	18.1	ug/L	91			58	125	
	Chloroethane	20	17.2	ug/L	86			56	128	
	Trichlorofluoromethane	20	17.1	ug/L	86			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			80	112	
	1,1-Dichloroethene	20	17.1	ug/L	86			74	110	
	Acetone	100	73.8	ug/L	74			60	125	
	Carbon disulfide	20	16.0	ug/L	80			64	112	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			78	114	
	Methyl Acetate	20	19.2	ug/L	96			67	125	
	Methylene Chloride	20	16.9	ug/L	85			72	114	
	trans-1,2-Dichloroethene	20	17.0	ug/L	85			75	108	
	1,1-Dichloroethane	20	17.6	ug/L	88			78	112	
	Cyclohexane	20	17.4	ug/L	87			75	110	
	2-Butanone	100	84.0	ug/L	84			65	122	
	Carbon Tetrachloride	20	17.0	ug/L	85			77	113	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			77	110	
	Bromochloromethane	20	21.6	ug/L	108			70	124	
	Chloroform	20	18.0	ug/L	90			79	113	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			80	108	
	Methylcyclohexane	20	17.2	ug/L	86			72	115	
	Benzene	20	17.3	ug/L	86			82	109	
	1,2-Dichloroethane	20	17.5	ug/L	88			80	115	
	Trichloroethene	20	17.3	ug/L	86			77	113	
	1,2-Dichloropropane	20	17.5	ug/L	88			83	111	
	Bromodichloromethane	20	17.5	ug/L	88			83	110	
	4-Methyl-2-Pentanone	100	88.0	ug/L	88			74	118	
	Toluene	20	17.5	ug/L	88			82	110	
	t-1,3-Dichloropropene	20	17.3	ug/L	86			79	110	
	cis-1,3-Dichloropropene	20	17.7	ug/L	89			82	110	
	1,1,2-Trichloroethane	20	17.4	ug/L	87			83	112	
	2-Hexanone	100	85.8	ug/L	86			73	117	
	Dibromochloromethane	20	17.4	ug/L	87			82	110	
	1,2-Dibromoethane	20	17.7	ug/L	89			81	110	
	Tetrachloroethene	20	17.1	ug/L	86			67	123	
	Chlorobenzene	20	17.5	ug/L	88			82	109	
	Ethyl Benzene	20	17.7	ug/L	89			83	109	
	m/p-Xylenes	40	35.8	ug/L	90			82	110	
	o-Xylene	20	18.0	ug/L	90			83	109	
	Styrene	20	17.9	ug/L	90			80	111	
	Bromoform	20	17.6	ug/L	88			79	109	
	Isopropylbenzene	20	17.7	ug/L	89			83	112	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			76	118	
	1,3-Dichlorobenzene	20	17.7	ug/L	89			82	108	
	1,4-Dichlorobenzene	20	17.4	ug/L	87			82	107	
	1,2-Dichlorobenzene	20	17.7	ug/L	89			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3109 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX047604.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0917WBS01	1,2-Dibromo-3-Chloropropane	20	16.1	ug/L	81			68	112	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			75	113	
	1,2,3-Trichlorobenzene	20	17.5	ug/L	88			76	114	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0916WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3109

Lab File ID: VN087849.D | Lab Sample ID: VN0916WBL01

Date Analyzed: 09/16/2025 | Time Analyzed: 15:04

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
VN0916WBS01	VN0916WBS01	VN087850.D	09/16/2025
VN0916WBSD01	VN0916WBSD01	VN087851.D	09/16/2025
MW1D	Q3109-01	VN087854.D	09/16/2025
MW1	Q3109-02	VN087855.D	09/16/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0917WBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3109

Lab File ID: VX047603.D Lab Sample ID: VX0917WBL01

Date Analyzed: 09/17/2025 Time Analyzed: 09:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0917WBS01	VX0917WBS01	VX047604.D	09/17/2025
MW1DL	Q3109-02DL	VX047606.D	09/17/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3109

Lab File ID: VN087614.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:30

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	25.8
75	30.0 - 60.0% of mass 95	58.1
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	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 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
VSTDICC001	VSTDICC001	VN087619.D	08/21/2025	12:09
VSTDICC005	VSTDICC005	VN087620.D	08/21/2025	13:08
VSTDICC020	VSTDICC020	VN087621.D	08/21/2025	13:41
VSTDICCC050	VSTDICCC050	VN087622.D	08/21/2025	14:02
VSTDICC100	VSTDICC100	VN087623.D	08/21/2025	14:23
VSTDICC150	VSTDICC150	VN087624.D	08/21/2025	14:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3109

Lab File ID: VN087846.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 11:25

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	22.6
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.2
175	5.0 - 9.0% of mass 174	4.5 (6.2) 1
176	95.0 - 101.0% of mass 174	70.1 (97.1) 1
177	5.0 - 9.0% of mass 176	4.5 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087847.D	09/16/2025	13:55
VN0916WBL01	VN0916WBL01	VN087849.D	09/16/2025	15:04
VN0916WBS01	VN0916WBS01	VN087850.D	09/16/2025	15:25
VN0916WBSD01	VN0916WBSD01	VN087851.D	09/16/2025	15:46
MW1D	Q3109-01	VN087854.D	09/16/2025	16:50
MW1	Q3109-02	VN087855.D	09/16/2025	17:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3109

Lab File ID: VX047584.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:56

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX047585.D	09/16/2025	09:23
VSTDICC005	VSTDICC005	VX047586.D	09/16/2025	10:16
VSTDICC020	VSTDICC020	VX047587.D	09/16/2025	10:37
VSTDICCC050	VSTDICCC050	VX047588.D	09/16/2025	10:58
VSTDICC100	VSTDICC100	VX047589.D	09/16/2025	11:40
VSTDICC150	VSTDICC150	VX047590.D	09/16/2025	12:01

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3109

Lab File ID: VX047600.D | BFB Injection Date: 09/17/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:19

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.2 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047601.D	09/17/2025	08:51
VX0917WBL01	VX0917WBL01	VX047603.D	09/17/2025	09:41
VX0917WBS01	VX0917WBS01	VX047604.D	09/17/2025	10:09
MW1DL	Q3109-02DL	VX047606.D	09/17/2025	10:57

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3109

Lab File ID: VN087847.D Date Analyzed: 09/16/2025

Instrument ID: MSVOA_N Time Analyzed: 13:55

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	239136	8.21	433645	9.08	409197	11.85
UPPER LIMIT	478272	8.706	867290	9.583	818394	12.347
LOWER LIMIT	119568	7.706	216823	8.583	204599	11.347
EPA SAMPLE NO.						
MW1D	186859	8.21	417903	9.08	408304	11.85
MW1	207001	8.21	471522	9.08	448961	11.84
VN0916WBL01	184438	8.21	413572	9.08	397360	11.85
VN0916WBS01	212441	8.21	416535	9.08	384629	11.85
VN0916WBSD01	229272	8.21	433869	9.08	392898	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.: Q3109

Lab File ID: VN087847.D Date Analyzed: 09/16/2025

Instrument ID: MSVOA_N Time Analyzed: 13:55

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

	IS4 AREA #	RT #				
12 HOUR STD	226483	13.77				
UPPER LIMIT	452966	14.27				
LOWER LIMIT	113242	13.27				
EPA SAMPLE NO.						
MW1D	185626	13.77				
MW1	231412	13.77				
VN0916WBL01	180365	13.77				
VN0916WBS01	210239	13.77				
VN0916WBSD01	209579	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3109

Lab File ID: VX047601.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_X Time Analyzed: 08:51

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	203321	5.53	347822	6.74	296232	10.04
UPPER LIMIT	406642	6.032	695644	7.239	592464	10.537
LOWER LIMIT	101661	5.032	173911	6.239	148116	9.537
EPA SAMPLE NO.						
MW1DL	157331	5.54	316909	6.75	305419	10.04
VX0917WBL01	235094	5.54	478397	6.75	460978	10.04
VX0917WBS01	195658	5.54	351376	6.74	311445	10.04

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.: Q3109

Lab File ID: VX047601.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_X Time Analyzed: 08:51

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	138326	12.006				
UPPER LIMIT	276652	12.506				
LOWER LIMIT	69163	11.506				
EPA SAMPLE NO.						
MW1DL	148891	12.01				
VX0917WBL01	224854	12.01				
VX0917WBS01	151595	12.01				

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
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Metuchen	Date Received:	
Client Sample ID:	VN0916WBL01	SDG No.:	Q3109
Lab Sample ID:	VN0916WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087849.D	1	09/16/25 15:04	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	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	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN087849.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VN0916WBL01		SDG No.:	Q3109	
Lab Sample ID:	VN0916WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087849.D	1	09/16/25 15:04	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.1		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	8.206			
540-36-3	1,4-Difluorobenzene	414000	9.082			
3114-55-4	Chlorobenzene-d5	397000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.77			

Raw Data: **VN087849.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VN0916WBL01		SDG No.:	Q3109	
Lab Sample ID:	VN0916WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087849.D	1	09/16/25 15:04	VN091625

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: **VX047603.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Metuchen	Date Received:	
Client Sample ID:	VX0917WBL01	SDG No.:	Q3109
Lab Sample ID:	VX0917WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047603.D	1	09/17/25 09:41	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	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	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VX0917WBL01		SDG No.:	Q3109	
Lab Sample ID:	VX0917WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047603.D	1	09/17/25 09:41	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	47.4		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	235000	5.538			
540-36-3	1,4-Difluorobenzene	478000	6.745			
3114-55-4	Chlorobenzene-d5	461000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	225000	12.006			

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:	Metuchen	Date Received:	
Client Sample ID:	VX0917WBL01	SDG No.:	Q3109
Lab Sample ID:	VX0917WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047603.D	1	09/17/25 09:41	VX091725

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: **VN087850.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VN0916WBS01		SDG No.:	Q3109	
Lab Sample ID:	VN0916WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087850.D	1	09/16/25 15:25	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		0.22	1.00	ug/L
74-87-3	Chloromethane	19.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.26	1.00	ug/L
74-83-9	Bromomethane	19.8		1.40	5.00	ug/L
75-00-3	Chloroethane	18.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	1.00	ug/L
67-64-1	Acetone	75.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.7		1.50	5.00	ug/L
78-93-3	2-Butanone	87.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.9		0.22	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.4		0.16	1.00	ug/L
71-43-2	Benzene	19.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.8		0.68	5.00	ug/L
108-88-3	Toluene	18.6		0.14	1.00	ug/L

Raw Data: **VN087850.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VN0916WBS01		SDG No.:	Q3109	
Lab Sample ID:	VN0916WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087850.D	1	09/16/25 15:25	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	90.1		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.24	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	1.00	ug/L
100-42-5	Styrene	18.8		0.15	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	16.7		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.1		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	45.0		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	8.206			
540-36-3	1,4-Difluorobenzene	417000	9.082			
3114-55-4	Chlorobenzene-d5	385000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.77			

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Metuchen			Date Received:	
Client Sample ID:	VN0916WBS01			SDG No.:	Q3109
Lab Sample ID:	VN0916WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087850.D	1	09/16/25 15:25	VN091625

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: **VX047604.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Metuchen	Date Received:	
Client Sample ID:	VX0917WBS01	SDG No.:	Q3109
Lab Sample ID:	VX0917WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047604.D	1	09/17/25 10:09	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	15.9		0.22	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.9		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.23	1.00	ug/L
67-64-1	Acetone	73.8		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	16.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	5.00	ug/L
78-93-3	2-Butanone	84.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.6		0.22	1.00	ug/L
67-66-3	Chloroform	18.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	1.00	ug/L
71-43-2	Benzene	17.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	17.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	88.0		0.68	5.00	ug/L
108-88-3	Toluene	17.5		0.14	1.00	ug/L

Raw Data: **VX047604.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VX0917WBS01		SDG No.:	Q3109	
Lab Sample ID:	VX0917WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047604.D	1	09/17/25 10:09	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	85.8		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	17.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	17.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.8		0.24	2.00	ug/L
95-47-6	o-Xylene	18.0		0.12	1.00	ug/L
100-42-5	Styrene	17.9		0.15	1.00	ug/L
75-25-2	Bromoform	17.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.7		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	5.538			
540-36-3	1,4-Difluorobenzene	351000	6.739			
3114-55-4	Chlorobenzene-d5	311000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006			

Raw Data: **VX047604.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Metuchen	Date Received:	
Client Sample ID:	VX0917WBS01	SDG No.:	Q3109
Lab Sample ID:	VX0917WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047604.D	1	09/17/25 10:09	VX091725

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: **VN087851.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VN0916WBSD01		SDG No.:	Q3109	
Lab Sample ID:	VN0916WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087851.D	1	09/16/25 15:46	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.0		0.22	1.00	ug/L
74-87-3	Chloromethane	18.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	19.5		1.40	5.00	ug/L
75-00-3	Chloroethane	16.9		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	1.00	ug/L
67-64-1	Acetone	71.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	84.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.4		0.22	1.00	ug/L
67-66-3	Chloroform	18.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	18.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.1		0.68	5.00	ug/L
108-88-3	Toluene	18.7		0.14	1.00	ug/L

Raw Data: **VN087851.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:		
Project:	Metuchen		Date Received:		
Client Sample ID:	VN0916WBSD01		SDG No.:	Q3109	
Lab Sample ID:	VN0916WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087851.D	1	09/16/25 15:46	VN091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.5		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	19.0		0.15	1.00	ug/L
75-25-2	Bromoform	21.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.5		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	229000	8.206			
540-36-3	1,4-Difluorobenzene	434000	9.083			
3114-55-4	Chlorobenzene-d5	393000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.771			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Metuchen			Date Received:	
Client Sample ID:	VN0916WBSD01			SDG No.:	Q3109
Lab Sample ID:	VN0916WBSD01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087851.D	1	09/16/25 15:46	VN091625

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.: Q3109

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.7
Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.3
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.2
Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.9
Trichlorofluoromethane	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.9
1,1,2-Trichlorotrifluoroethane	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.6
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.3
Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.5
Methyl tert-butyl Ether	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.4
Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.3
Methylene Chloride	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.8
trans-1,2-Dichloroethene	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.8
1,1-Dichloroethane	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.3
Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.4
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
cis-1,2-Dichloroethene	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.7
Bromochloromethane	0.800	0.781	0.722	0.701	0.748	0.731	0.747	5
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
1,1,1-Trichloroethane	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.8
Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.3
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
1,2-Dichloropropane	0.544	0.435	0.447	0.433	0.415	0.412	0.448	11
Bromodichloromethane	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3
4-Methyl-2-Pentanone	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.5
Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5

* 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.: Q3109

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8
Dibromochloromethane	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.8
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	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.: Q3109

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

* 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.: Q3109

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3109
Instrument ID: MSVOA_N
Calibration Date/Time: 09/16/2025 13:55
Lab File ID: VN087847.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:09 14:44
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.710	0.736		3.66	20
Chloromethane	0.730	0.729	0.1	-0.14	20
Vinyl Chloride	0.846	0.823		-2.72	20
Bromomethane	0.437	0.498		13.96	20
Chloroethane	0.595	0.553		-7.06	20
Trichlorofluoromethane	1.240	1.264		1.93	20
1,1,2-Trichlorotrifluoroethane	0.701	0.697		-0.57	20
1,1-Dichloroethene	0.721	0.682		-5.41	20
Acetone	0.558	0.489		-12.37	20
Carbon Disulfide	1.985	1.984		-0.05	20
Methyl tert-butyl Ether	2.704	2.774		2.59	20
Methyl Acetate	1.168	1.247		6.76	20
Methylene Chloride	0.948	0.841		-11.29	20
trans-1,2-Dichloroethene	0.781	0.753		-3.59	20
1,1-Dichloroethane	1.546	1.477	0.1	-4.46	20
Cyclohexane	1.289	1.230		-4.58	20
2-Butanone	0.734	0.712		-3	20
Carbon Tetrachloride	0.547	0.611		11.7	20
cis-1,2-Dichloroethene	0.934	0.931		-0.32	20
Bromochloromethane	0.747	1.029		37.75	20
Chloroform	1.578	1.590		0.76	20
1,1,1-Trichloroethane	1.337	1.305		-2.39	20
Methylcyclohexane	0.610	0.672		10.16	20
Benzene	1.699	1.798		5.83	20
1,2-Dichloroethane	0.653	0.690		5.67	20
Trichloroethene	0.388	0.426		9.79	20
1,2-Dichloropropane	0.448	0.470		4.91	20
Bromodichloromethane	0.653	0.728		11.48	20
4-Methyl-2-Pentanone	0.713	0.781		9.54	20
Toluene	1.053	1.143		8.55	20
t-1,3-Dichloropropene	0.676	0.768		13.61	20
cis-1,3-Dichloropropene	0.702	0.788		12.25	20
1,1,2-Trichloroethane	0.407	0.467		14.74	20
2-Hexanone	0.451	0.533		18.18	20
Dibromochloromethane	0.472	0.542		14.83	20
1,2-Dibromoethane	0.430	0.497		15.58	20
Tetrachloroethene	0.347	0.372		7.2	20
Chlorobenzene	1.244	1.326	0.3	6.59	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3109

Instrument ID: MSVOA_N Calibration Date/Time: 09/16/2025 13:55

Lab File ID: VN087847.D Init. Calib. Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:09 14:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	2.347		8.96	20
m/p-Xylenes	0.790	0.894		13.16	20
o-Xylene	0.774	0.861		11.24	20
Styrene	1.297	1.504		15.96	20
Bromoform	0.317	0.404	0.1	27.44	20
Isopropylbenzene	4.040	4.015		-0.62	20
1,1,2,2-Tetrachloroethane	1.391	1.401	0.3	0.72	20
1,3-Dichlorobenzene	1.876	1.967		4.85	20
1,4-Dichlorobenzene	1.952	2.018		3.38	20
1,2-Dichlorobenzene	1.780	1.885		5.9	20
1,2-Dibromo-3-Chloropropane	0.330	0.328		-0.61	20
1,2,4-Trichlorobenzene	1.069	1.207		12.91	20
1,2,3-Trichlorobenzene	1.045	1.157		10.72	20
1,2-Dichloroethane-d4	1.024	1.103		7.72	20
Dibromofluoromethane	0.361	0.457		26.59	20
Toluene-d8	1.351	1.598		18.28	20
4-Bromofluorobenzene	0.481	0.616		28.07	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3109
Instrument ID: MSVOA_X
Calibration Date/Time: 09/17/2025 08:51
Lab File ID: VX047601.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.588		13.51	20
Chloromethane	0.680	0.692	0.1	1.76	20
Vinyl Chloride	0.666	0.744		11.71	20
Bromomethane	0.422	0.456		8.06	20
Chloroethane	0.445	0.480		7.86	20
Trichlorofluoromethane	0.989	1.145		15.77	20
1,1,2-Trichlorotrifluoroethane	0.578	0.682		17.99	20
1,1-Dichloroethene	0.594	0.660		11.11	20
Acetone	0.346	0.406		17.34	20
Carbon Disulfide	1.626	1.690		3.94	20
Methyl tert-butyl Ether	2.169	2.249		3.69	20
Methyl Acetate	0.770	0.866		12.47	20
Methylene Chloride	0.732	0.734		0.27	20
trans-1,2-Dichloroethene	0.640	0.685		7.03	20
1,1-Dichloroethane	1.263	1.336	0.1	5.78	20
Cyclohexane	1.052	1.124		6.84	20
2-Butanone	0.432	0.454		5.09	20
Carbon Tetrachloride	0.532	0.581		9.21	20
cis-1,2-Dichloroethene	0.783	0.811		3.58	20
Bromochloromethane	0.551	0.577		4.72	20
Chloroform	1.276	1.326		3.92	20
1,1,1-Trichloroethane	1.082	1.164		7.58	20
Methylcyclohexane	0.556	0.646		16.19	20
Benzene	1.488	1.564		5.11	20
1,2-Dichloroethane	0.566	0.577		1.94	20
Trichloroethene	0.360	0.386		7.22	20
1,2-Dichloropropane	0.381	0.397		4.2	20
Bromodichloromethane	0.572	0.605		5.77	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.945		3.05	20
t-1,3-Dichloropropene	0.584	0.604		3.42	20
cis-1,3-Dichloropropene	0.624	0.650		4.17	20
1,1,2-Trichloroethane	0.354	0.354		0	20
2-Hexanone	0.343	0.342		-0.29	20
Dibromochloromethane	0.407	0.425		4.42	20
1,2-Dibromoethane	0.360	0.366		1.67	20
Tetrachloroethene	0.326	0.353		8.28	20
Chlorobenzene	1.136	1.193	0.3	5.02	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3109

Instrument ID: MSVOA_X Calibration Date/Time: 09/17/2025 08:51

Lab File ID: VX047601.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.137		9.03	20
m/p-Xylenes	0.729	0.793		8.78	20
o-Xylene	0.706	0.757		7.22	20
Styrene	1.236	1.311		6.07	20
Bromoform	0.293	0.312	0.1	6.49	20
Isopropylbenzene	3.801	4.316		13.55	20
1,1,2,2-Tetrachloroethane	1.150	1.208	0.3	5.04	20
1,3-Dichlorobenzene	1.739	1.839		5.75	20
1,4-Dichlorobenzene	1.785	1.872		4.87	20
1,2-Dichlorobenzene	1.657	1.766		6.58	20
1,2-Dibromo-3-Chloropropane	0.233	0.247		6.01	20
1,2,4-Trichlorobenzene	1.077	1.192		10.68	20
1,2,3-Trichlorobenzene	1.002	1.099		9.68	20
1,2-Dichloroethane-d4	0.796	0.768		-3.52	20
Dibromofluoromethane	0.335	0.352		5.07	20
Toluene-d8	1.160	1.191		2.67	20
4-Bromofluorobenzene	0.440	0.448		1.82	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\VN091625\
Data File : VN087854.D
Acq On : 16 Sep 2025 16:50
Operator : JC\MD
Sample : Q3109-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Quant Time: Sep 17 01:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

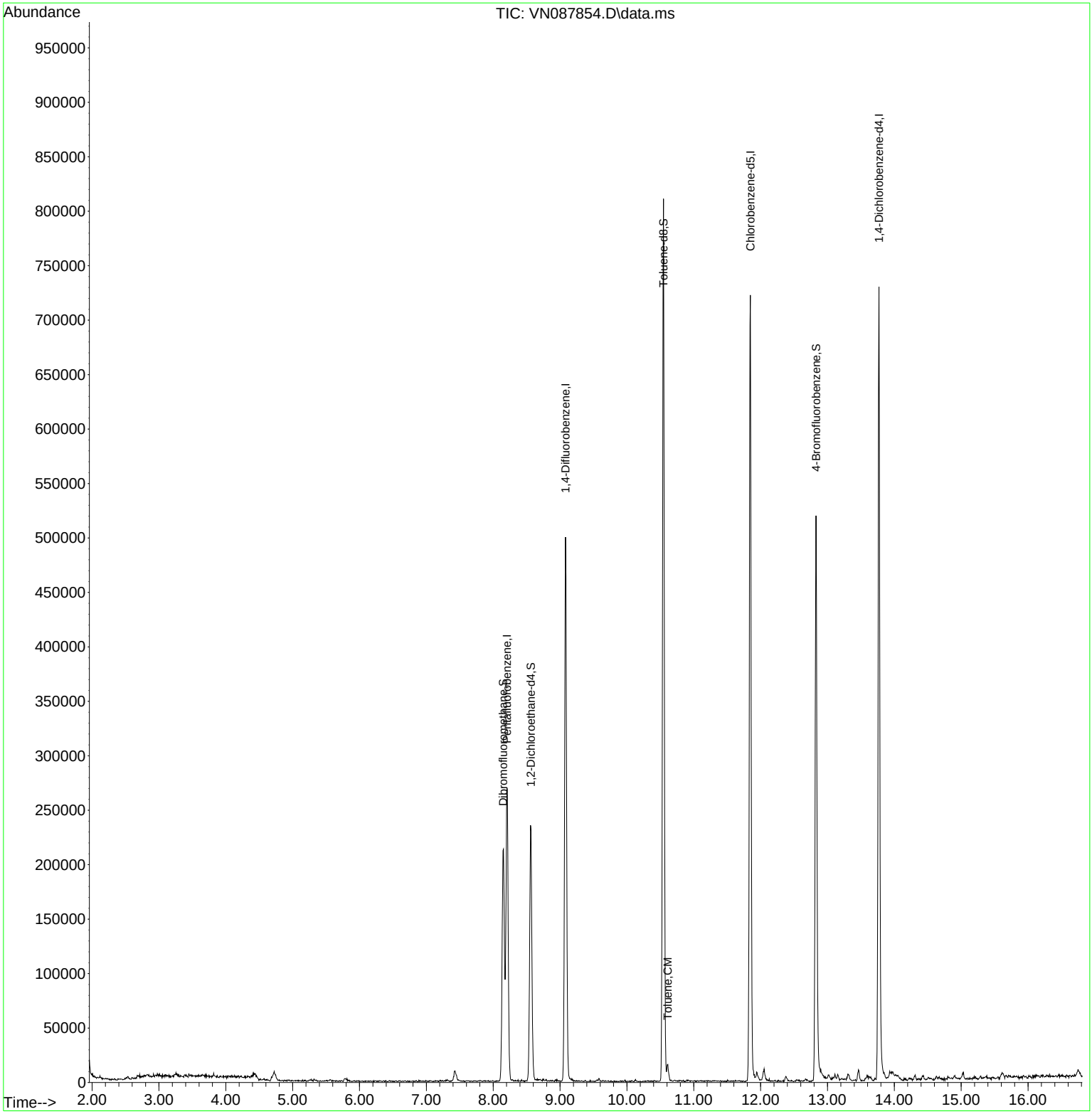
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	186859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	417903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	408304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	185626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	191050	49.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.800%			
35) Dibromofluoromethane	8.147	113	156166	51.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	10.547	98	531551	47.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.140%			
62) 4-Bromofluorobenzene	12.829	95	190599	47.458	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.920%			
Target Compounds						Qvalue
52) Toluene	10.612	92	6221	0.707	ug/l	91

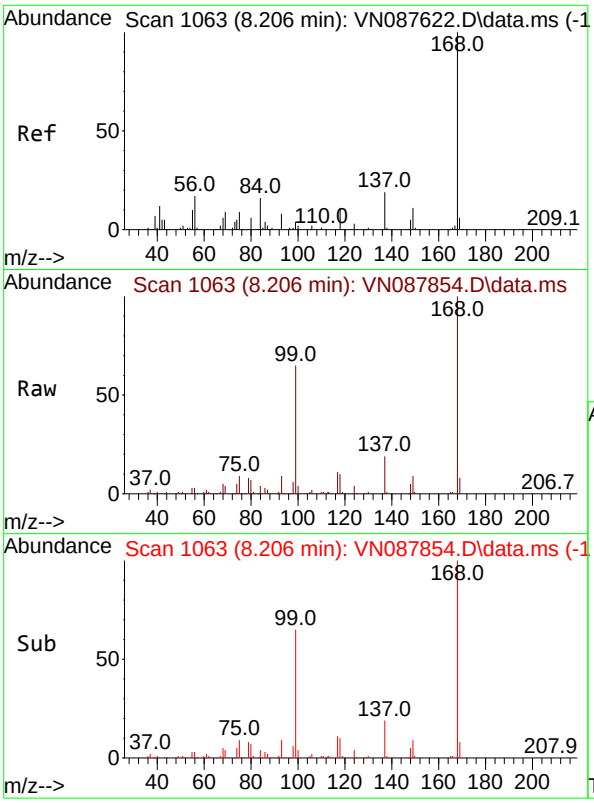
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087854.D
Acq On : 16 Sep 2025 16:50
Operator : JC\MD
Sample : Q3109-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Quant Time: Sep 17 01:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



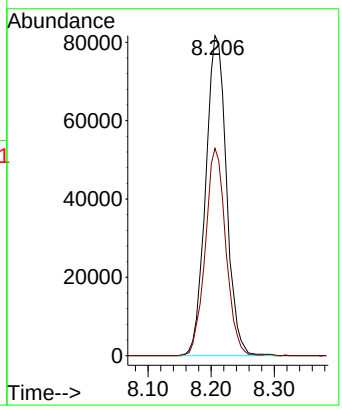


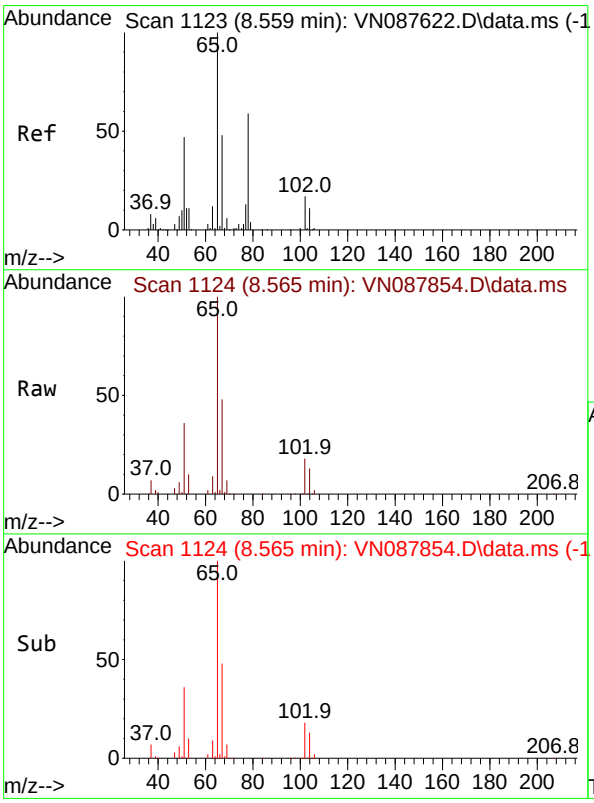
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Tgt Ion:168 Resp: 186859

Ion	Ratio	Lower	Upper
168	100		
99	64.8	57.2	85.8

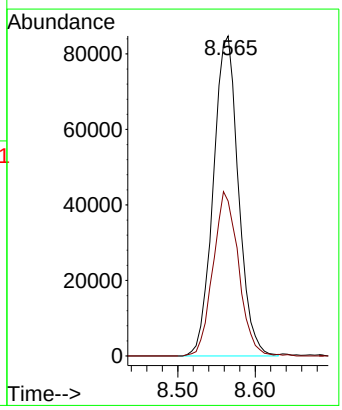


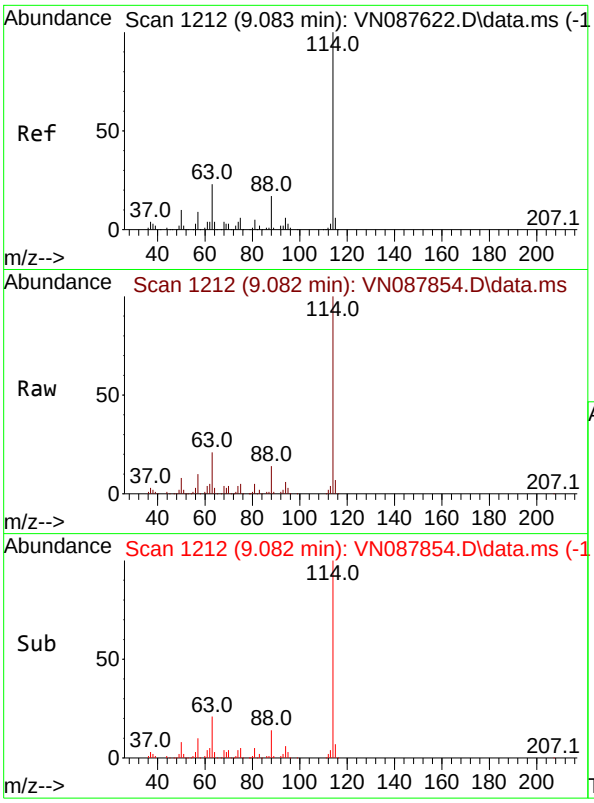


#33
1,2-Dichloroethane-d4
Concen: 49.902 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion: 65 Resp: 191050

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.0



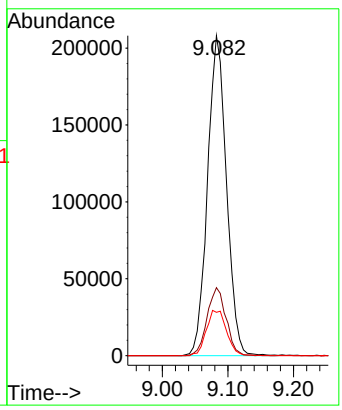


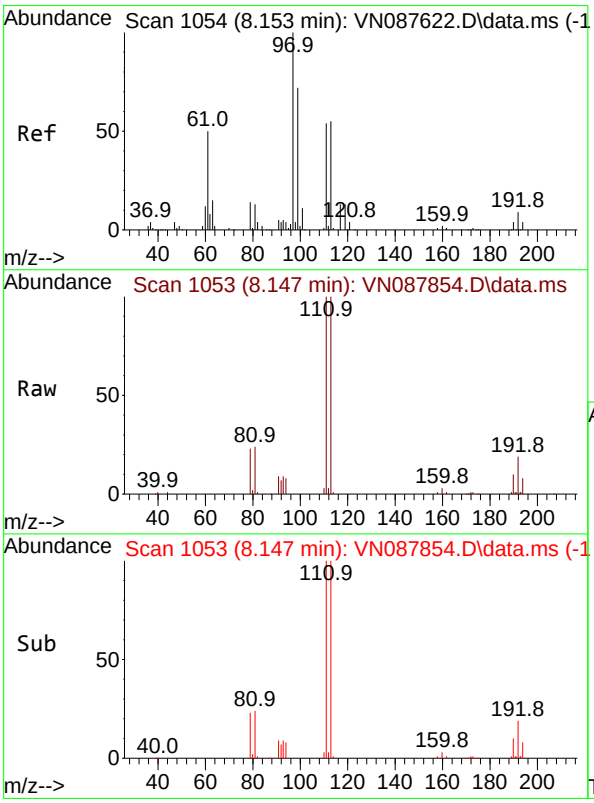
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Tgt Ion:114 Resp: 417903

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.2
88	13.6	0.0	33.4

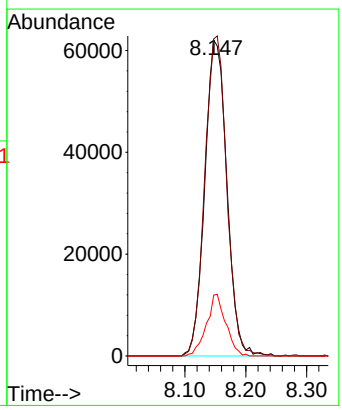


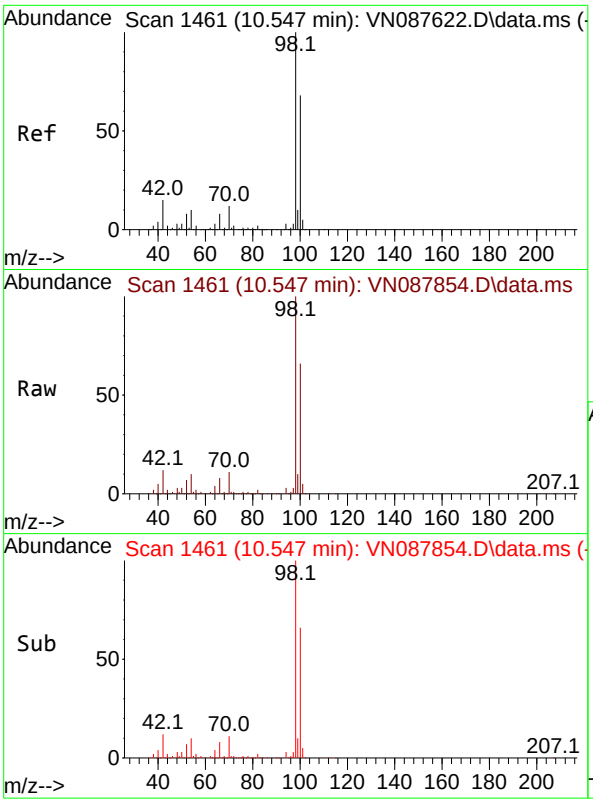


#35
Dibromofluoromethane
Concen: 51.758 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion:113 Resp: 156166

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.8	124.2
192	17.1	12.8	19.2



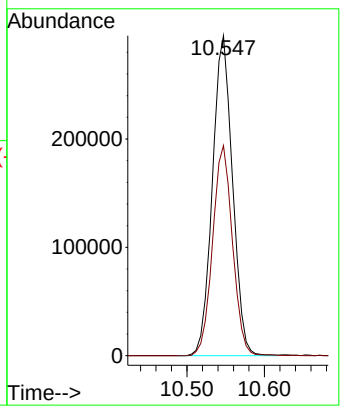


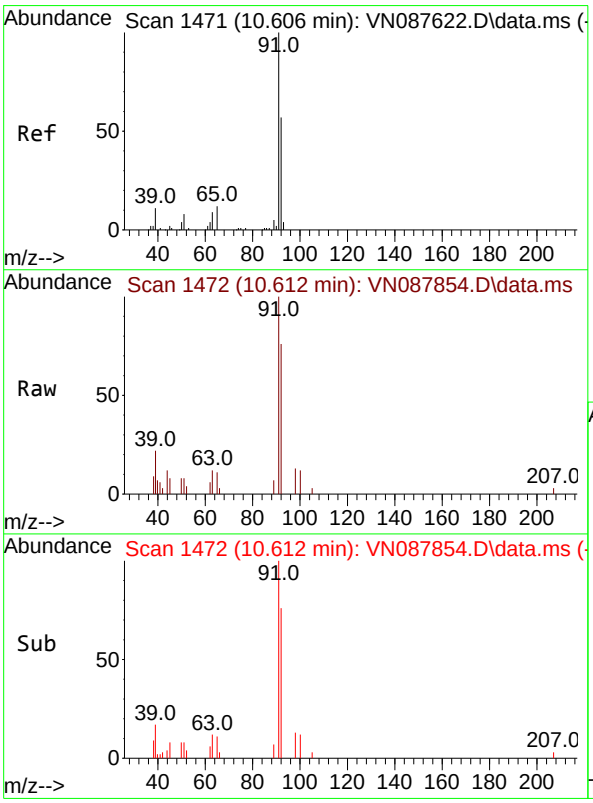
#50
Toluene-d8
Concen: 47.069 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Tgt Ion: 98 Resp: 531551

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2

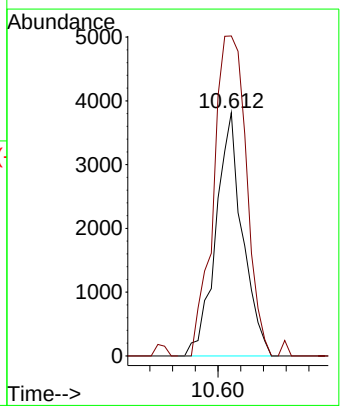


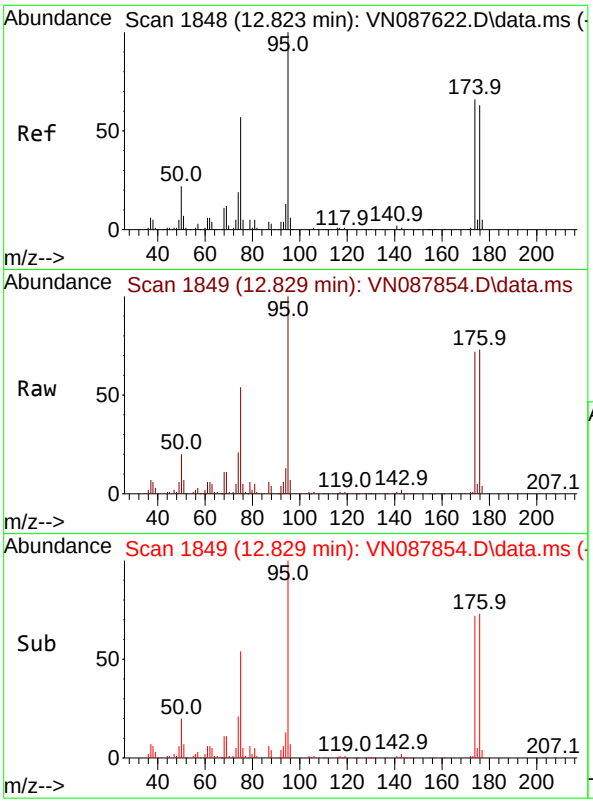


#52
Toluene
Concen: 0.707 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion: 92 Resp: 6221

Ion	Ratio	Lower	Upper
92	100		
91	162.6	140.4	210.6



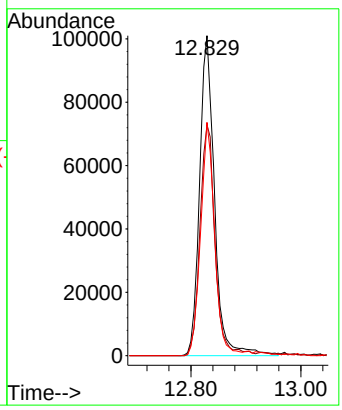


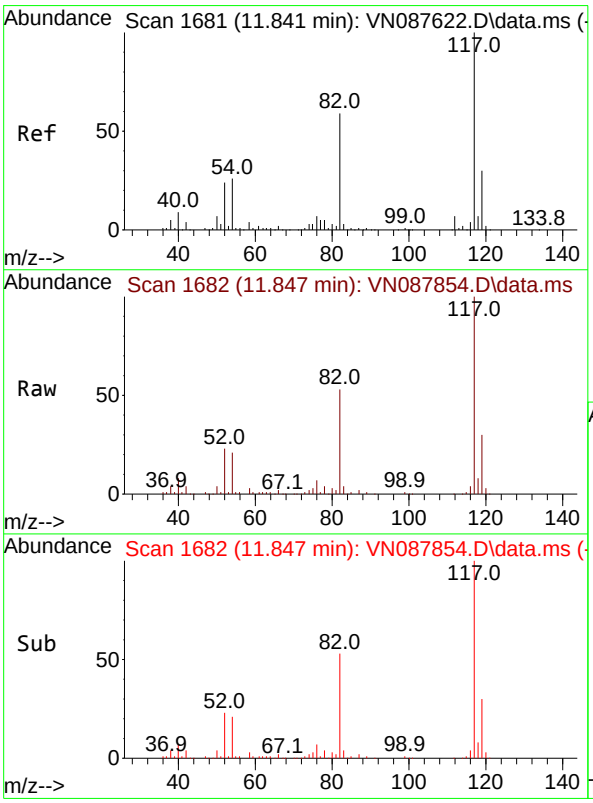
#62
4-Bromofluorobenzene
Concen: 47.458 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Tgt Ion: 95 Resp: 190599

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	138.4
176	68.4	0.0	132.6

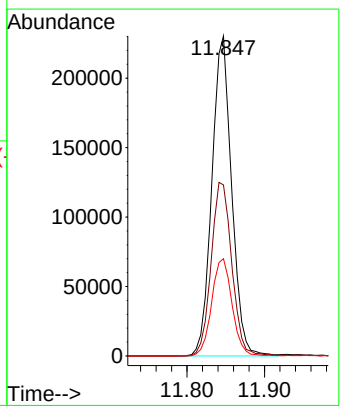


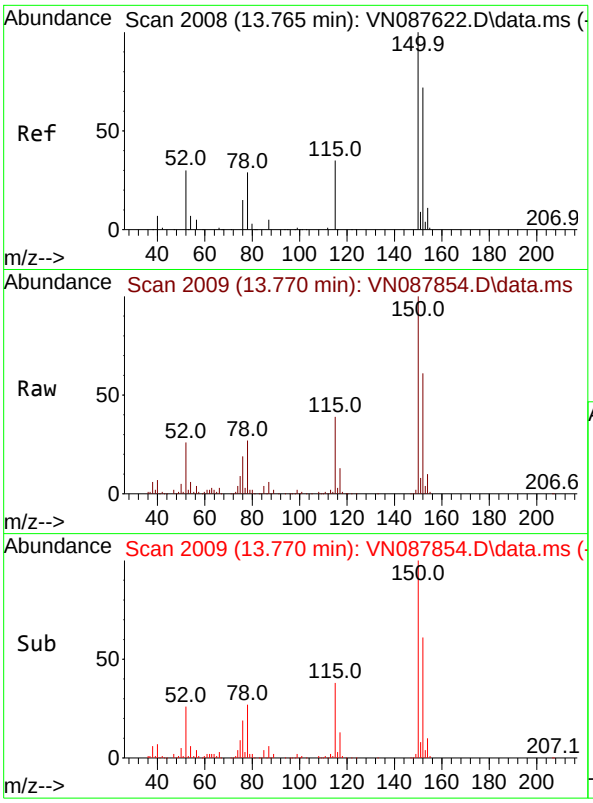


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Tgt Ion:117 Resp: 408304

Ion	Ratio	Lower	Upper
117	100		
82	53.5	47.4	71.2
119	30.4	24.3	36.5



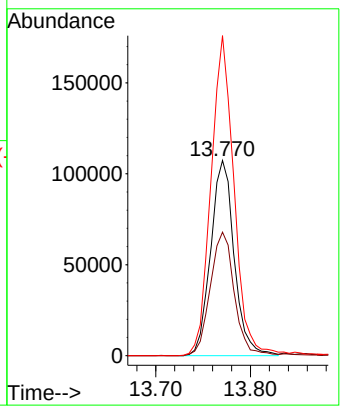


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087854.D
Acq: 16 Sep 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Tgt Ion:152 Resp: 185626

Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.3	96.8
150	162.3	0.0	351.0



Sample Results: **VN087854.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087854.D
Acq On : 16 Sep 2025 16:50
Operator : JC\MD
Sample : Q3109-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1D

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\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087854.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.724	465	471	480	rVB4	8260	22060	1.51%	0.281%
2	7.430	919	931	946	rBV	9691	29019	1.99%	0.370%
3	8.153	1042	1054	1058	rBV	213084	518174	35.56%	6.603%
4	8.206	1058	1063	1075	rVB2	268860	617390	42.37%	7.867%
5	8.559	1114	1123	1134	rBV	234841	537980	36.92%	6.855%
6	9.082	1201	1212	1223	rBV2	499941	1028963	70.61%	13.112%
7	10.547	1451	1461	1468	rBV	810190	1457242	100.00%	18.569%
8	10.612	1468	1472	1478	rVB2	15115	28276	1.94%	0.360%
9	11.847	1673	1682	1693	rBV	721319	1308783	89.81%	16.677%
10	12.053	1710	1717	1721	rBV4	10118	18102	1.24%	0.231%
11	12.829	1841	1849	1867	rBV	518939	975511	66.94%	12.431%
12	13.306	1926	1930	1942	rVB5	6308	14849	1.02%	0.189%
13	13.465	1951	1957	1964	rBV3	10599	20148	1.38%	0.257%
14	13.770	2002	2009	2027	rBV	727942	1271150	87.23%	16.198%

Sum of corrected areas: 7847647

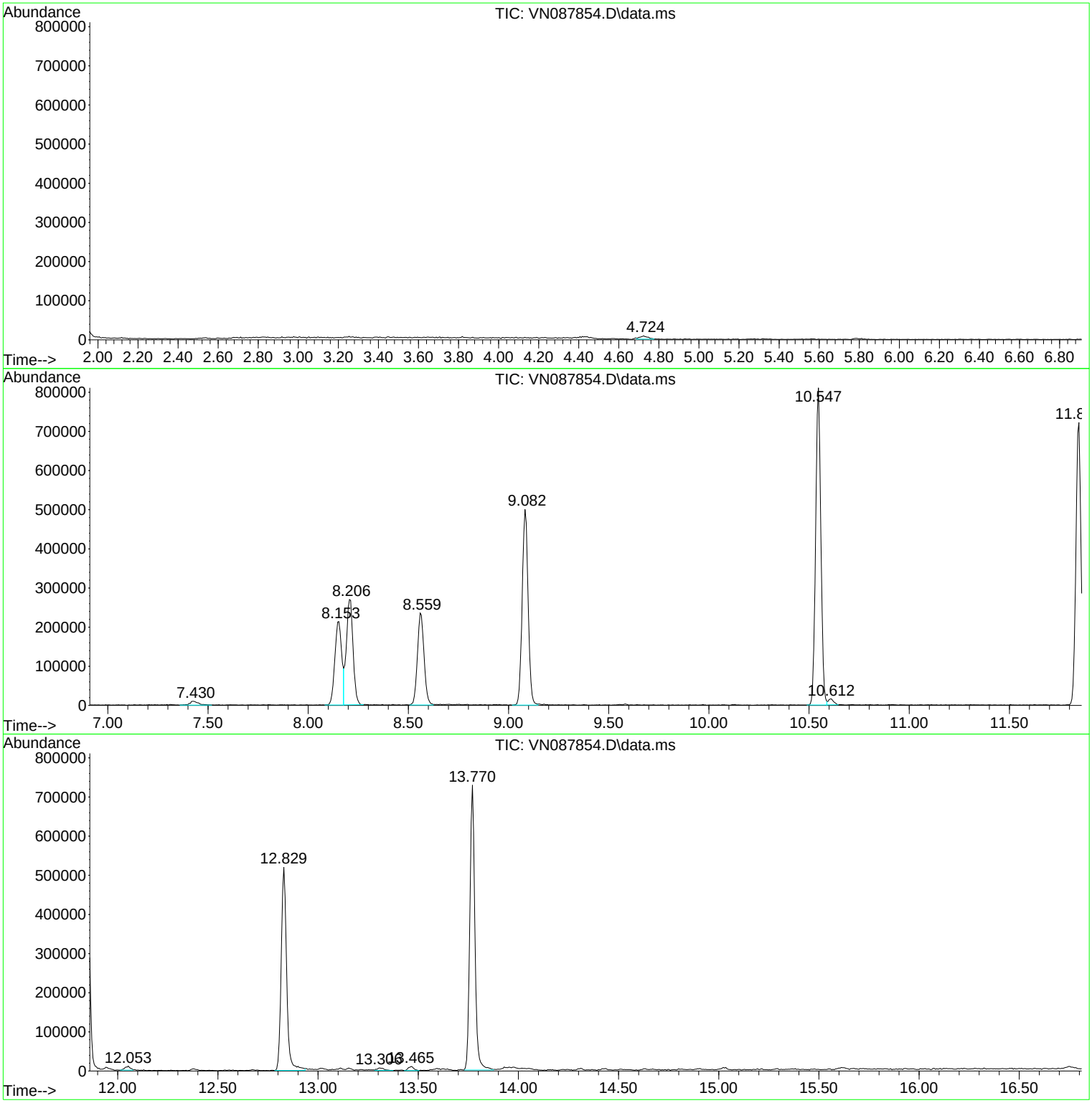
Sample Results: **VN087854.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087854.D
Acq On : 16 Sep 2025 16:50
Operator : JC\MD
Sample : Q3109-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087854.D
Acq On : 16 Sep 2025 16:50
Operator : JC\MD
Sample : Q3109-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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\VN091625\
Data File : VN087854.D
Acq On : 16 Sep 2025 16:50
Operator : JC\MD
Sample : Q3109-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 01:24:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	207001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	471522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	448961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	192234	45.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.660%		
35) Dibromofluoromethane	8.153	113	164014	48.177	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	10.547	98	598470	46.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.829	95	221635	48.910	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.820%		
Target Compounds						Qvalue
31) Cyclohexane	8.241	56	1315630	246.620	ug/l	91
39) Methylcyclohexane	9.582	83	646552	112.444	ug/l	95
40) Benzene	8.588	78	138853	8.668	ug/l	94
52) Toluene	10.612	92	37801	3.806	ug/l	98
67) Ethyl Benzene	11.935	91	20587447	1064.553	ug/l #	49
68) m/p-Xylenes	12.053	106	505131	71.221	ug/l	98
69) o-Xylene	12.376	106	81311	11.698	ug/l	96
73) Isopropylbenzene	12.670	105	1402638	75.009	ug/l	100
78) n-propylbenzene	13.012	91	5127514	222.613	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	147731m	9.313	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	12558281	790.823	ug/l	97
85) sec-Butylbenzene	13.594	105	195343m	9.958	ug/l	
86) p-Isopropyltoluene	13.706	119	83334	5.144	ug/l #	75
89) n-Butylbenzene	14.035	91	300086	18.653	ug/l #	81
95) Naphthalene	15.611	128	10096091	576.249	ug/l	100

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

Sample Results: **VN087855.D**

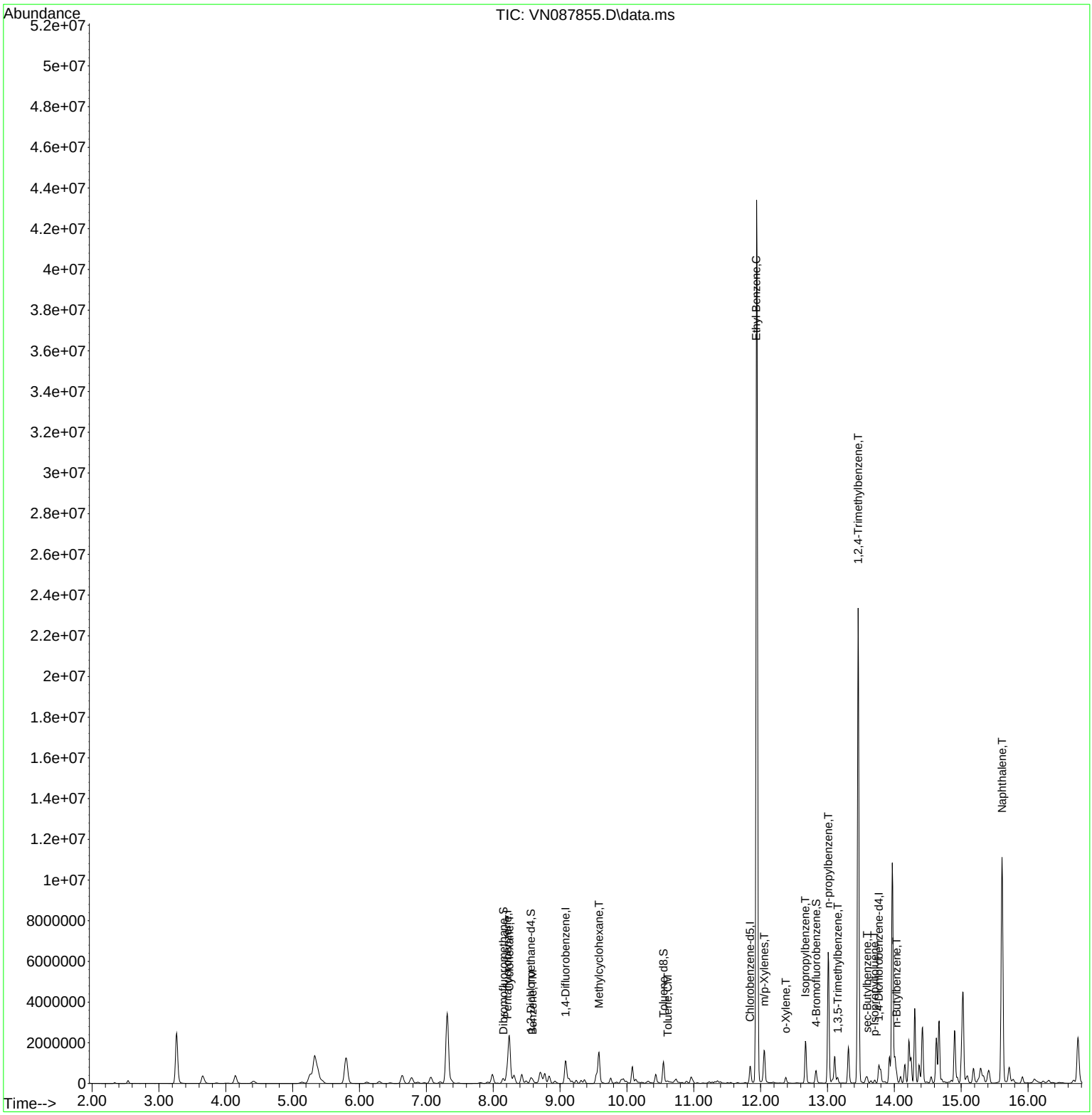
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

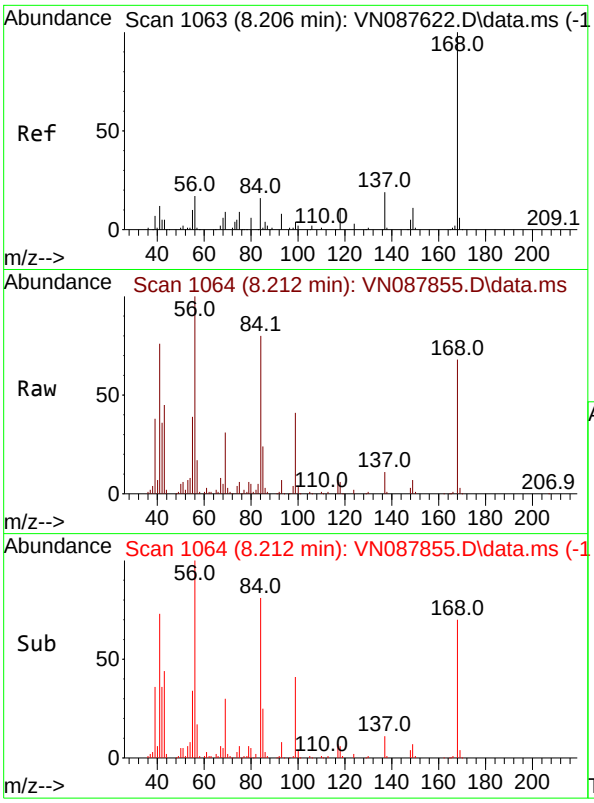
Quant Time: Sep 17 01:24:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

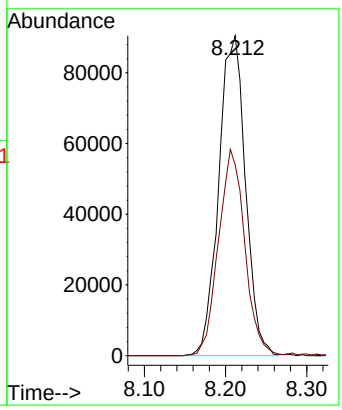




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:168 Resp: 20700

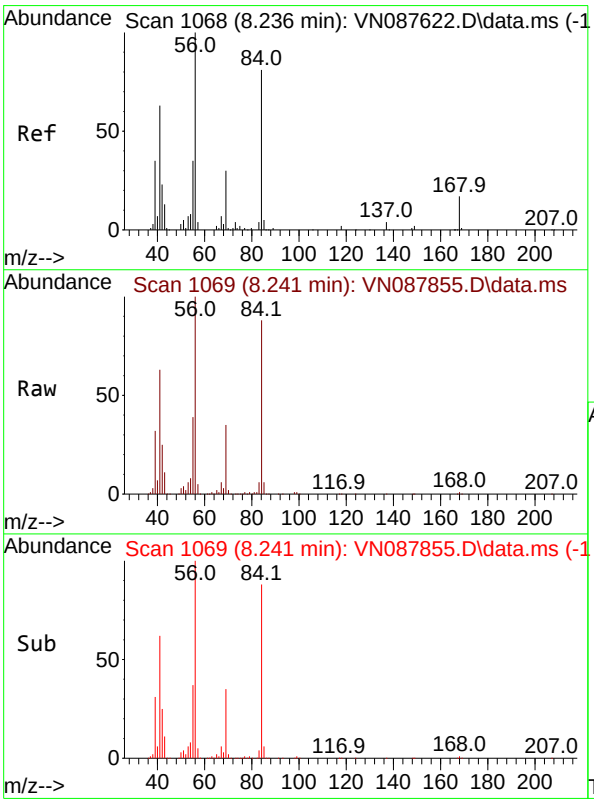
Ion	Ratio	Lower	Upper
168	100		
99	59.6	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

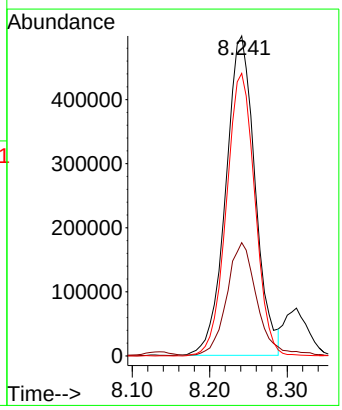
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

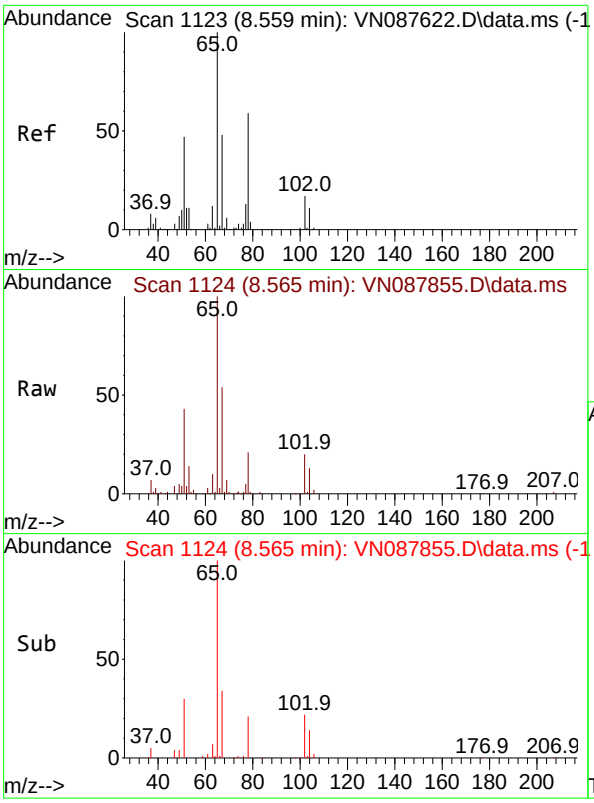


#31
Cyclohexane
Concen: 246.620 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 56 Resp: 1315630

Ion	Ratio	Lower	Upper
56	100		
69	35.0	23.7	35.5
84	88.4	64.7	97.1

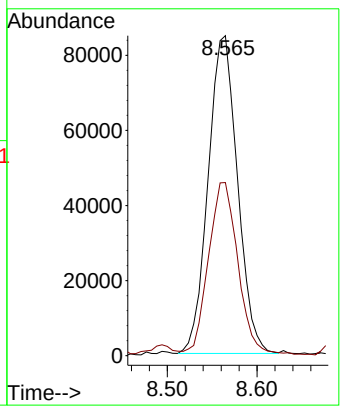




#33
1,2-Dichloroethane-d4
Concen: 45.325 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 65 Resp: 19223

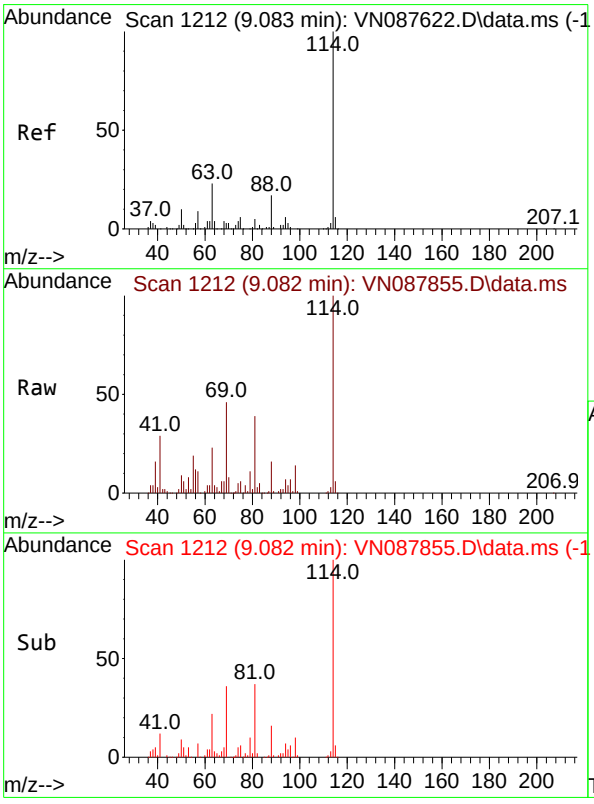
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	100.0



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

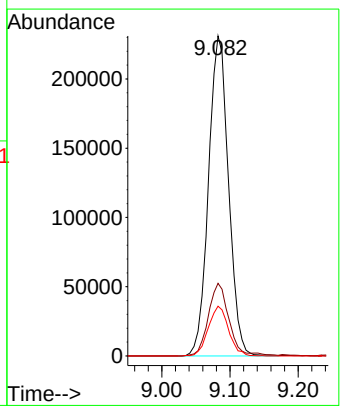
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

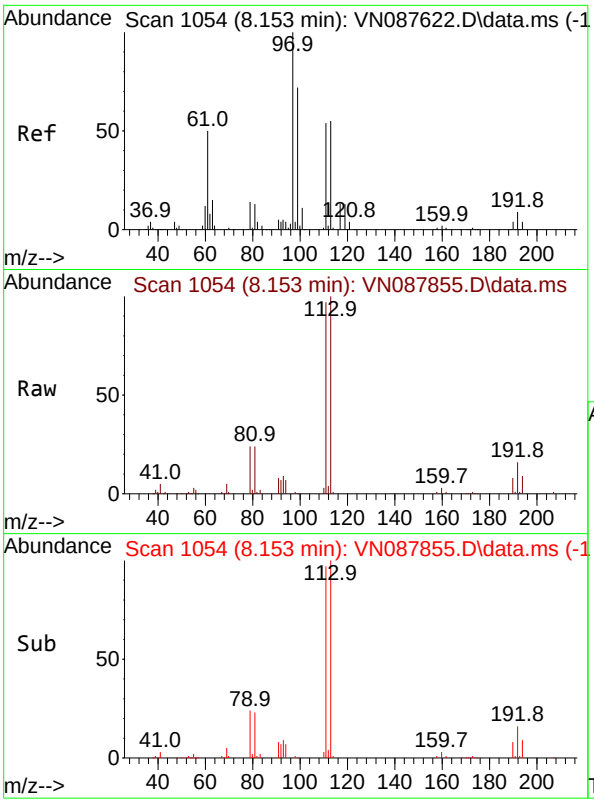


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:114 Resp: 471522

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.2
88	15.6	0.0	33.4

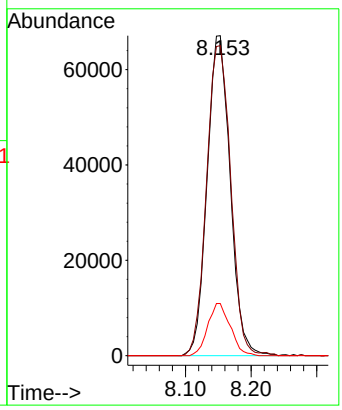




#35
Dibromofluoromethane
Concen: 48.177 ug/l
RT: 8.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:113 Resp: 16401

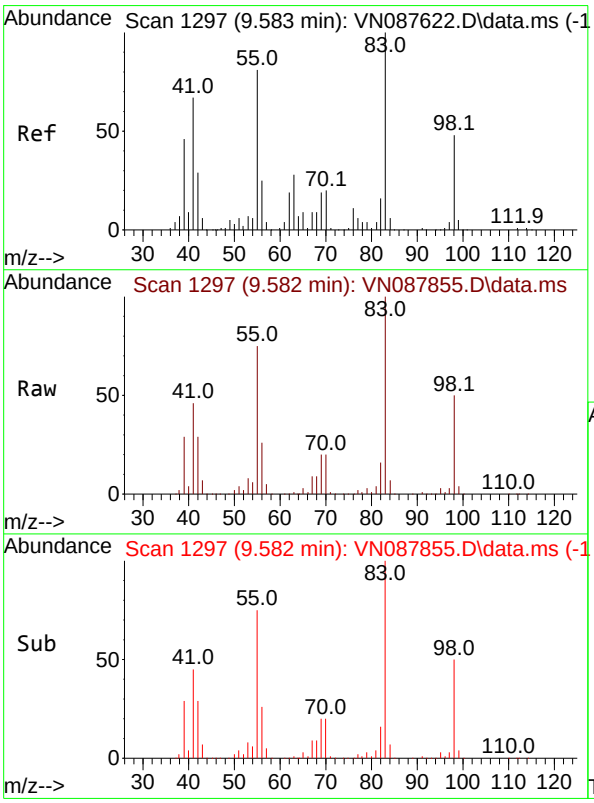
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	15.9	12.8	19.2



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

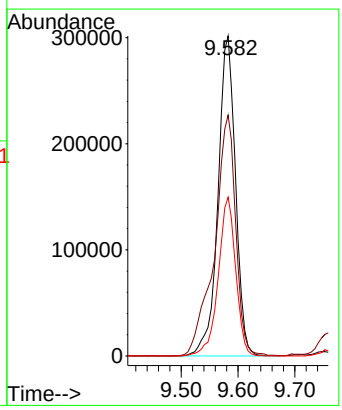
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

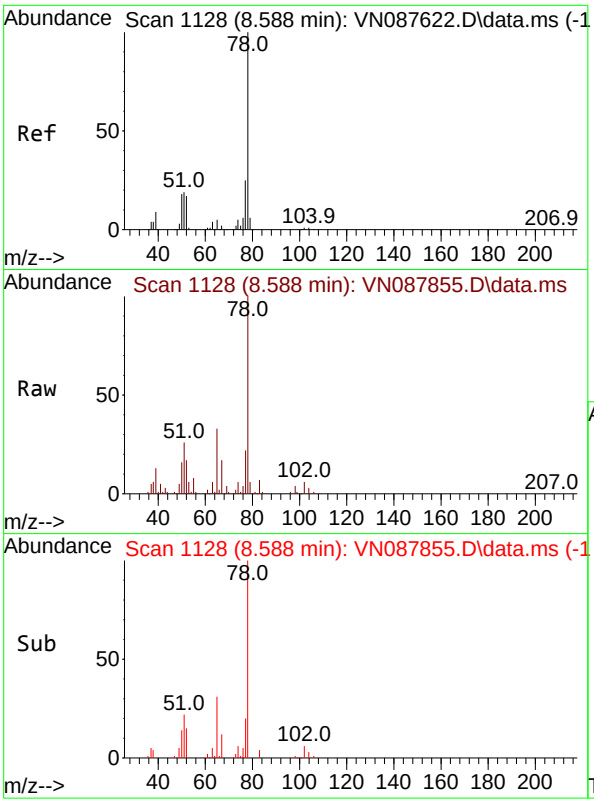


#39
Methylcyclohexane
Concen: 112.444 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 83 Resp: 646552

Ion	Ratio	Lower	Upper
83	100		
55	75.2	64.6	96.8
98	49.6	38.4	57.6

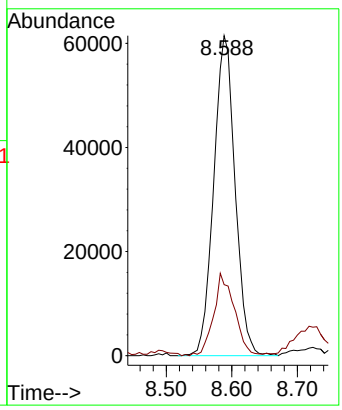




#40
Benzene
Concen: 8.668 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 78 Resp: 13885

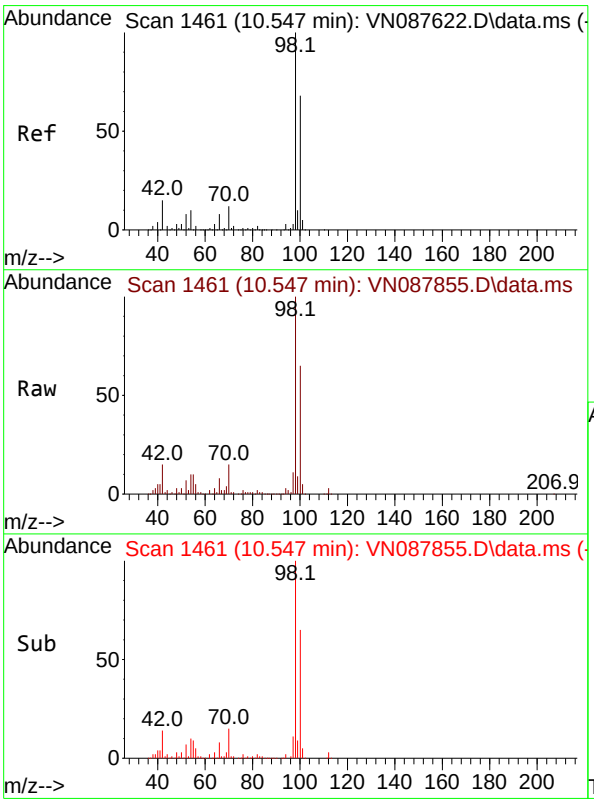
Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.7	29.5



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

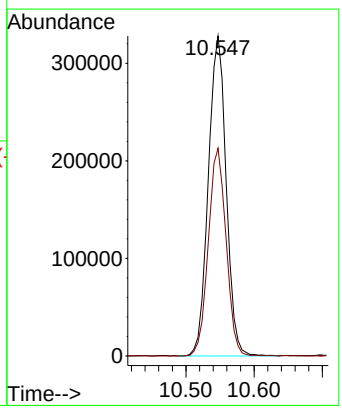
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

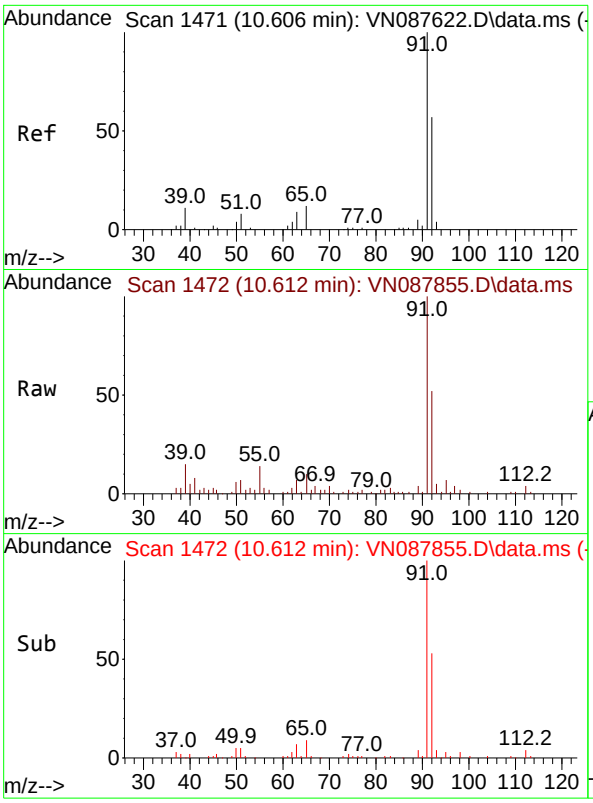


#50
Toluene-d8
Concen: 46.968 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 98 Resp: 598470

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.8	79.2

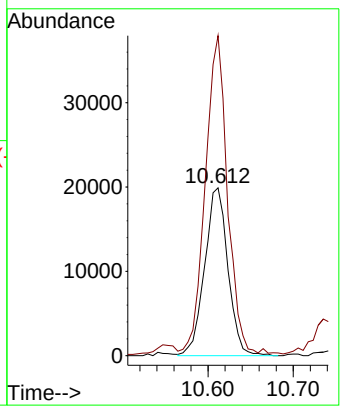




#52
Toluene
Concen: 3.806 ug/l
RT: 10.612 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 92 Resp: 3780

Ion	Ratio	Lower	Upper
92	100		
91	178.9	140.4	210.6



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
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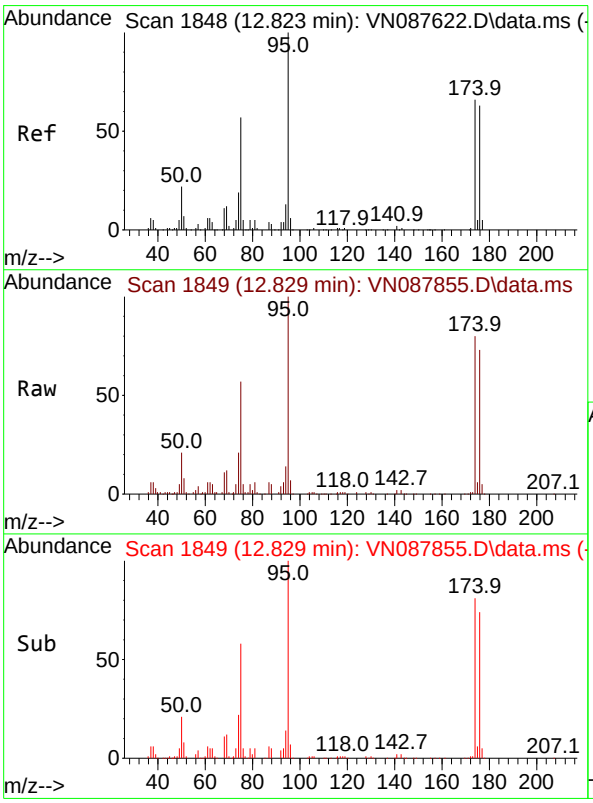
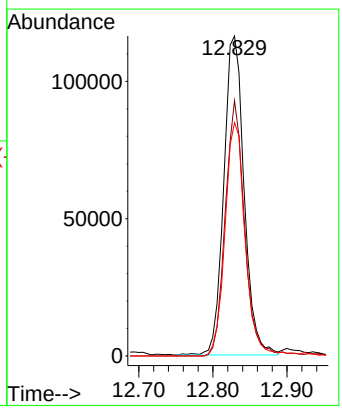
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

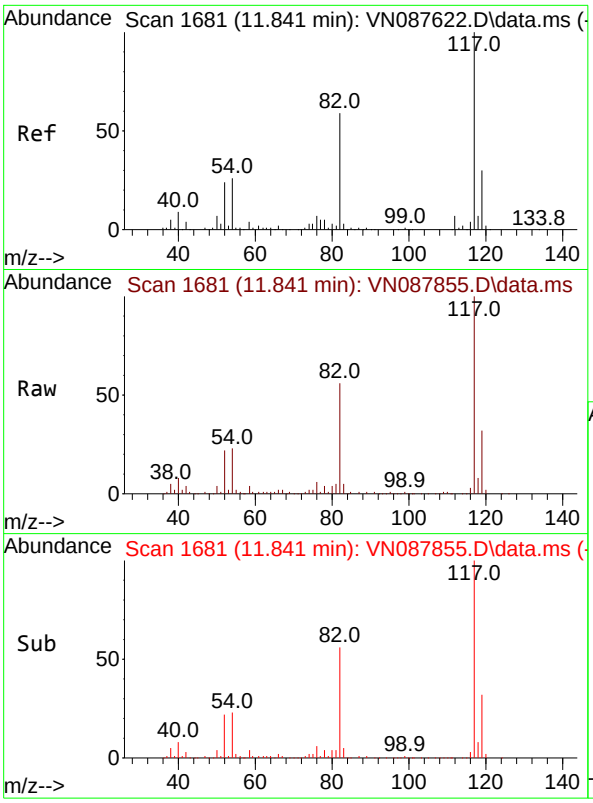


#62
4-Bromofluorobenzene
Concen: 48.910 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 95 Resp: 221635

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	138.4
176	72.6	0.0	132.6

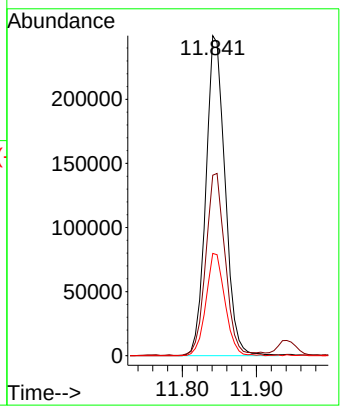




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:117 Resp: 44896

Ion	Ratio	Lower	Upper
117	100		
82	56.3	47.4	71.2
119	31.9	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
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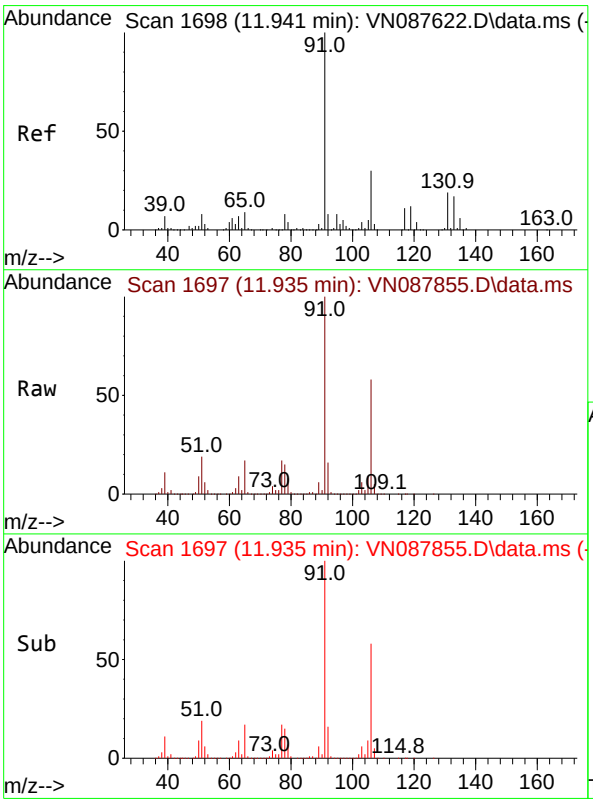
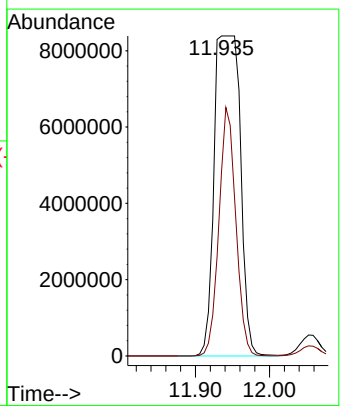
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

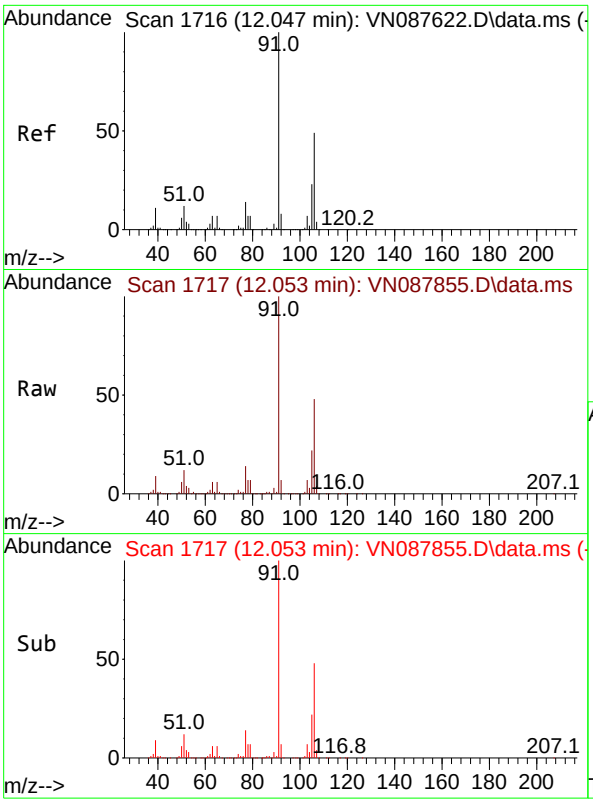


#67
Ethyl Benzene
Concen: 1064.553 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 91 Resp:20587447

Ion	Ratio	Lower	Upper
91	100		
106	57.8	24.1	36.1#





#68
m/p-Xylenes
Concen: 71.221 ug/l
RT: 12.053 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

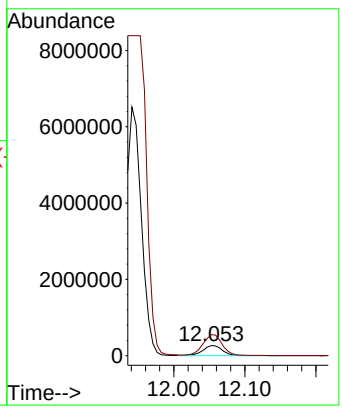
Tgt Ion:106 Resp: 50513

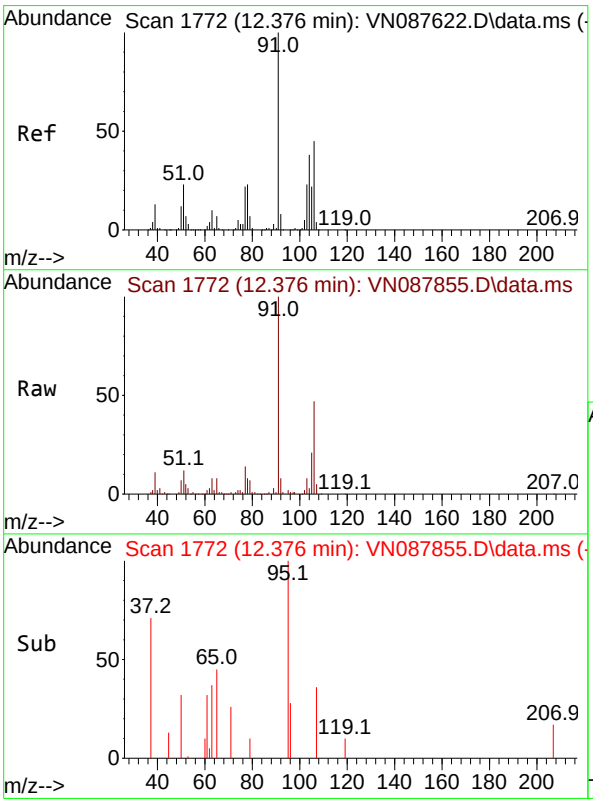
Ion	Ratio	Lower	Upper
106	100		
91	207.8	169.3	253.9

Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

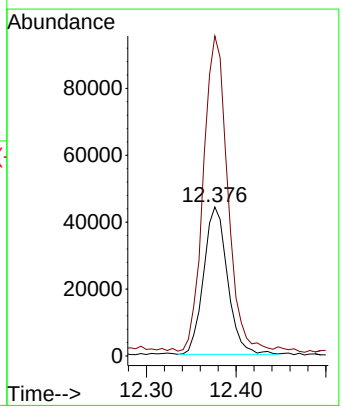


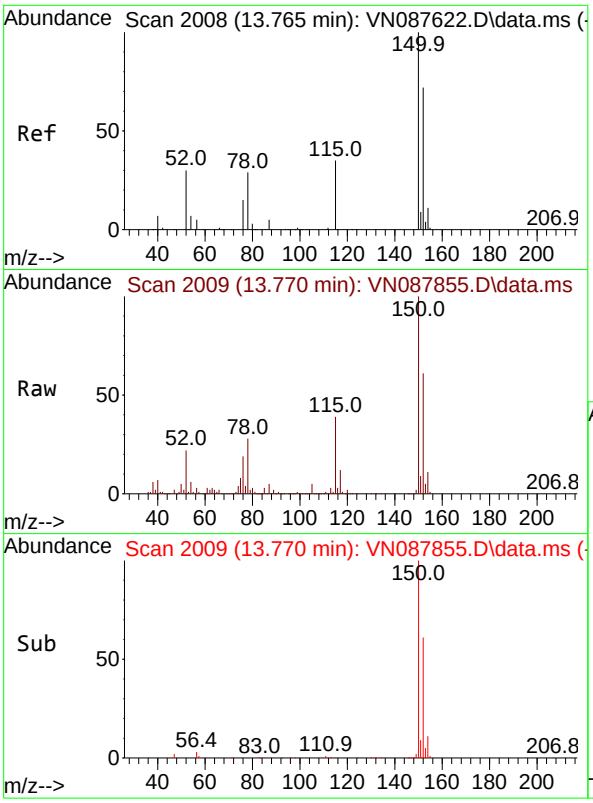


#69
o-Xylene
Concen: 11.698 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:106 Resp: 81311

Ion	Ratio	Lower	Upper
106	100		
91	216.9	111.4	334.2

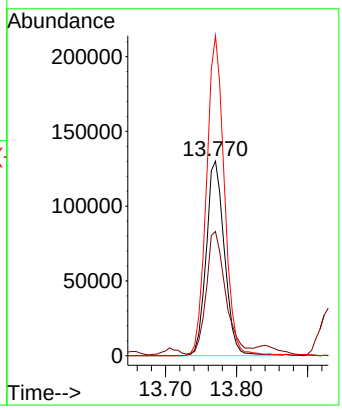




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:152 Resp: 23141

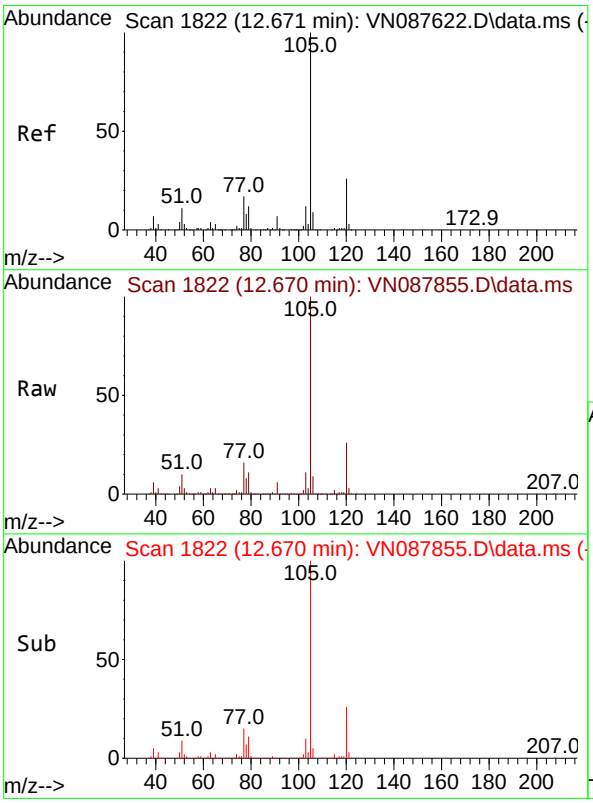
Ion	Ratio	Lower	Upper
152	100		
115	67.3	32.3	96.8
150	161.5	0.0	351.0



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

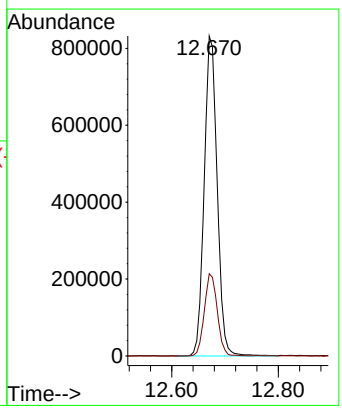
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

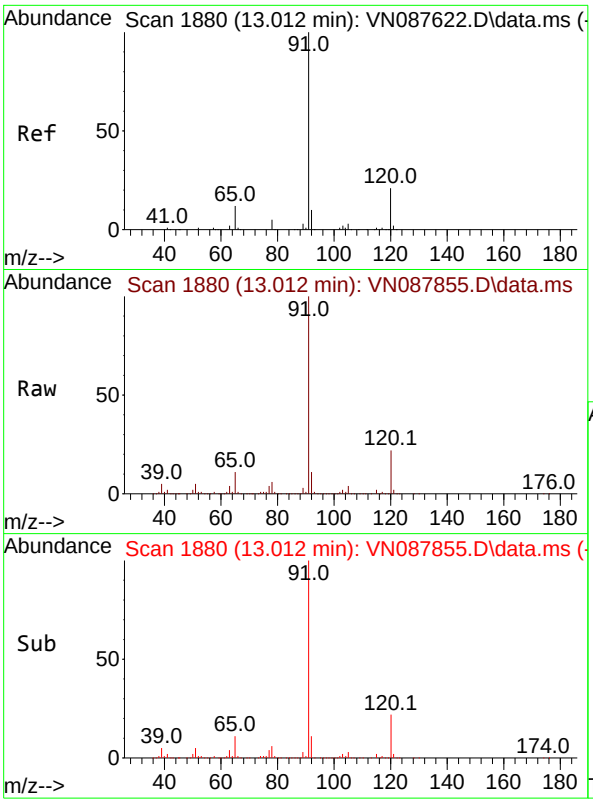


#73
Isopropylbenzene
Concen: 75.009 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:105 Resp: 1402638

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

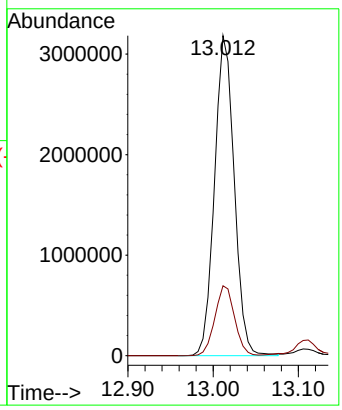




#78
n-propylbenzene
Concen: 222.613 ug/l
RT: 13.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 91 Resp: 512751

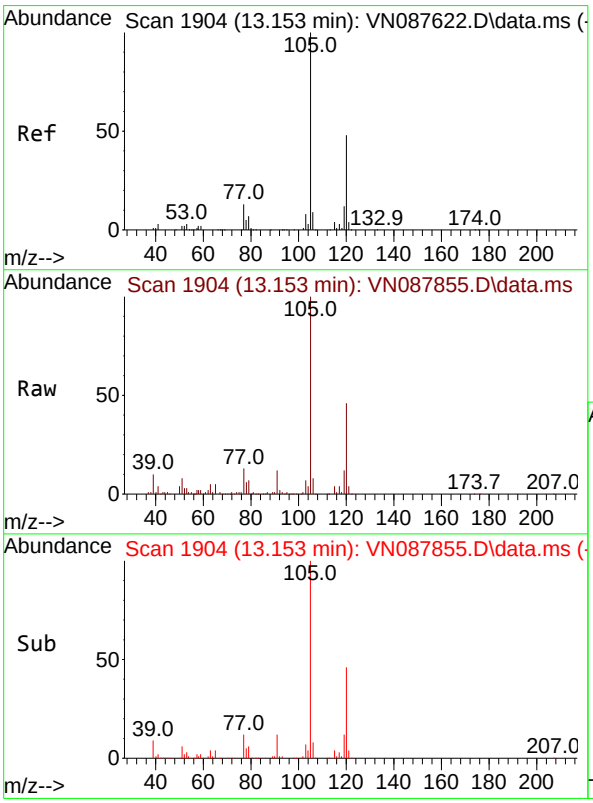
Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.7	32.1



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

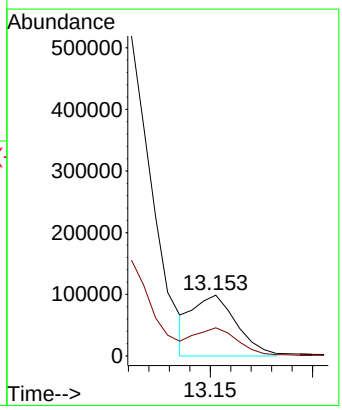
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

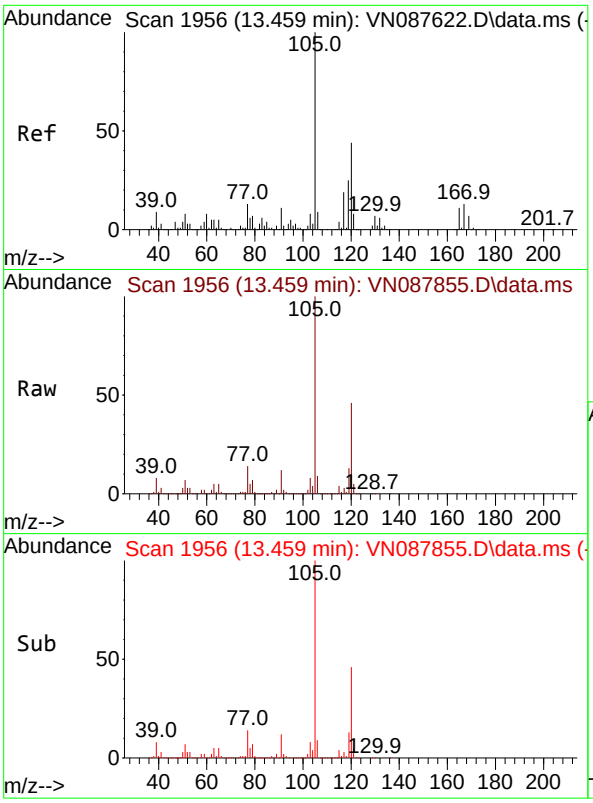


#80
1,3,5-Trimethylbenzene
Concen: 9.313 ug/l m
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:105 Resp: 147731

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	69.6#

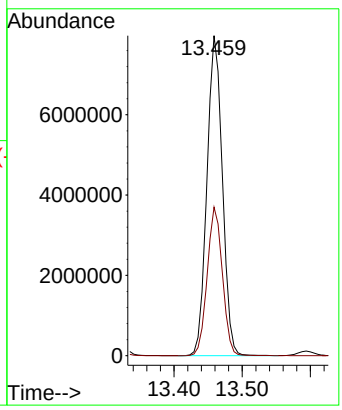




#84
1,2,4-Trimethylbenzene
Concen: 790.823 ug/l
RT: 13.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:105 Resp:1255828

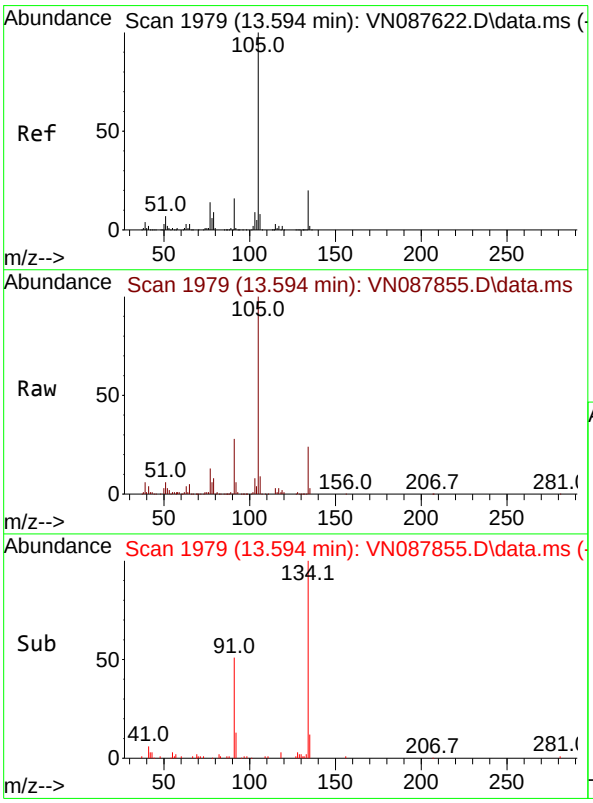
Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.0	66.0



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

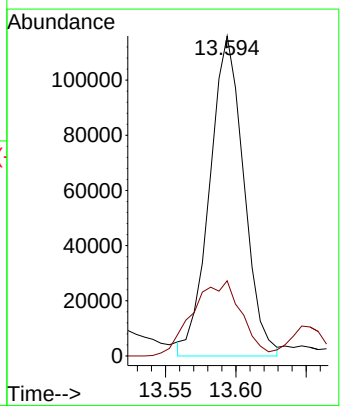
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

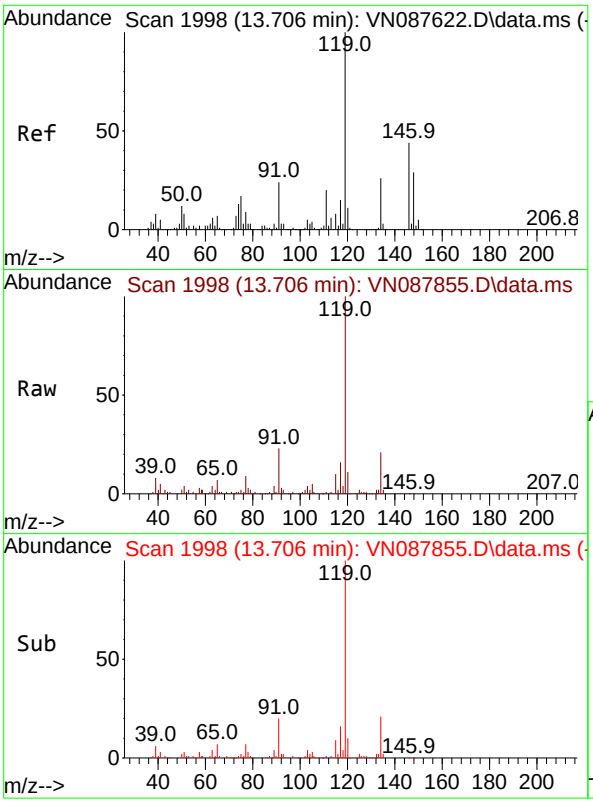


#85
sec-Butylbenzene
Concen: 9.958 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:105 Resp: 195343

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.6	28.6#

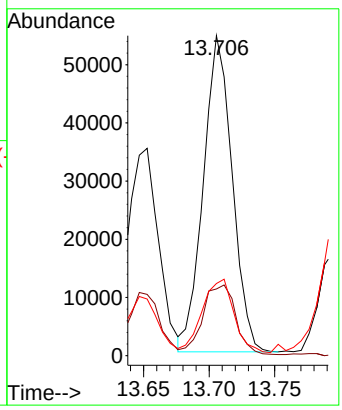




#86
p-Isopropyltoluene
Concen: 5.144 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:119 Resp: 8333

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.7	38.0
91	0.0	12.5	37.5#



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/19/2025
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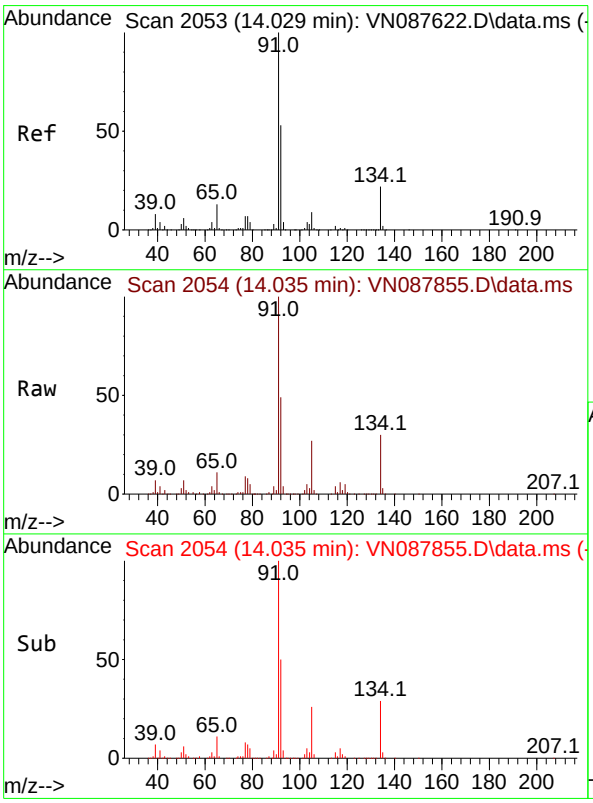
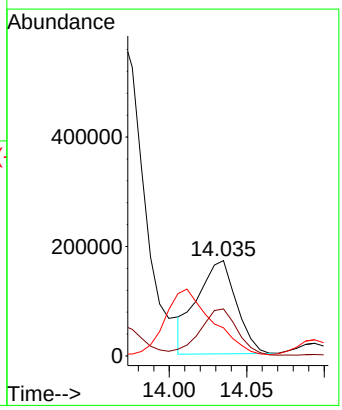
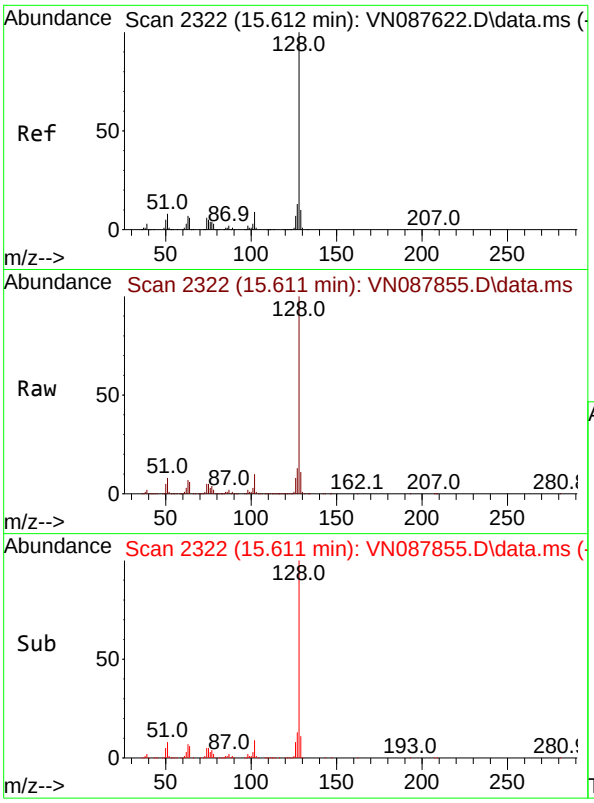


#89
n-Butylbenzene
Concen: 18.653 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion: 91 Resp: 300086

Ion	Ratio	Lower	Upper
91	100		
92	47.4	25.9	77.8
134	0.0	11.7	35.0#

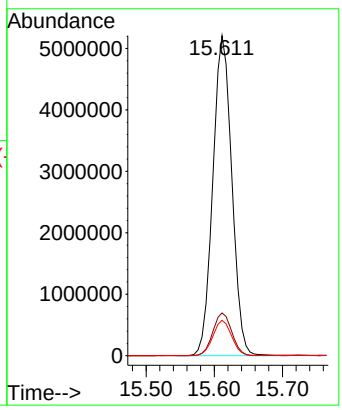




#95
Naphthalene
Concen: 576.249 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087855.D
Acq: 16 Sep 2025 17:11

Tgt Ion:128 Resp:1009609

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
MW1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Sample Results: **VN087855.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

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\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087855.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	212	223	244	rBV	2468333	5973705	8.26%	2.073%
2	3.653	279	289	315	rVB2	370720	1119529	1.55%	0.388%
3	4.142	362	372	390	rVB2	387215	1089299	1.51%	0.378%
4	5.330	550	574	606	rVB4	1360665	8564103	11.84%	2.972%
5	5.800	638	654	674	rBV	1259514	4415452	6.11%	1.532%
6	6.635	781	796	810	rBV2	393066	1212858	1.68%	0.421%
7	6.777	810	820	830	rBV2	280902	881046	1.22%	0.306%
8	7.071	859	870	884	rVB3	298931	893542	1.24%	0.310%
9	7.312	899	911	933	rVB	3428127	10184757	14.08%	3.534%
10	7.988	1018	1026	1036	rVB	431584	1057749	1.46%	0.367%
11	8.241	1057	1069	1077	rVV2	2326948	7068755	9.77%	2.453%
12	8.312	1077	1081	1092	rVB2	401287	924991	1.28%	0.321%
13	8.429	1092	1101	1107	rBV	442461	1015601	1.40%	0.352%
14	8.565	1117	1124	1138	rBV3	256604	803936	1.11%	0.279%
15	8.706	1139	1148	1154	rVV6	526675	1557322	2.15%	0.540%
16	8.771	1154	1159	1165	rVV3	475716	1106740	1.53%	0.384%
17	8.835	1165	1170	1179	rVB2	348629	806060	1.11%	0.280%
18	9.082	1202	1212	1220	rBV3	1111658	2884570	3.99%	1.001%
19	9.582	1280	1297	1313	rBV2	1531620	4210335	5.82%	1.461%
20	10.082	1375	1382	1387	rBV	803861	1519303	2.10%	0.527%
21	10.429	1434	1441	1453	rVB	440913	900710	1.25%	0.313%
22	10.547	1453	1461	1467	rBV	1056105	1998199	2.76%	0.693%
23	10.965	1525	1532	1542	rVB4	308505	771544	1.07%	0.268%
24	11.847	1675	1682	1688	rBV	830991	1517398	2.10%	0.527%
25	11.941	1689	1698	1709	rVV2	43373747	72323409	100.00%	25.097%
26	12.053	1709	1717	1730	rVB	1580808	3087418	4.27%	1.071%
27	12.670	1815	1822	1839	rVB	2065530	3516561	4.86%	1.220%
28	12.829	1842	1849	1859	rVV	606832	1109418	1.53%	0.385%
29	13.012	1870	1880	1887	rBV	6441762	10384999	14.36%	3.604%
30	13.106	1887	1896	1901	rVV	1306916	2530038	3.50%	0.878%
31	13.311	1924	1931	1943	rBV	1761205	2989313	4.13%	1.037%
32	13.459	1948	1956	1970	rVV	23332720	36284337	50.17%	12.591%
33	13.588	1970	1978	1984	rVB2	306030	748466	1.03%	0.260%
34	13.770	2003	2009	2012	rBV	873917	1656673	2.29%	0.575%
35	13.929	2029	2036	2038	rBV	1290124	2038253	2.82%	0.707%
36	13.970	2038	2043	2048	rVV	10055164	16062643	22.21%	5.574%

Sample Results: **VN087855.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

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\82N082125W.M
Title : SW846 8260

37	14.159	2069	2075	2080	rBV2	872939	1484505	2.05%	0.515%
38	14.217	2080	2085	2088	rVV	2072671	3362818	4.65%	1.167%
39	14.247	2088	2090	2095	rVV2	1226724	1782225	2.46%	0.618%
40	14.306	2095	2100	2106	rVV	3637619	5603129	7.75%	1.944%
41	14.370	2106	2111	2115	rVV	848792	1410320	1.95%	0.489%
42	14.423	2115	2120	2127	rVB	2701082	4632666	6.41%	1.608%
43	14.629	2147	2155	2158	rBV	2199501	3580818	4.95%	1.243%
44	14.670	2158	2162	2167	rVB	2888273	4440472	6.14%	1.541%
45	14.900	2196	2201	2207	rBV	2509169	4245104	5.87%	1.473%
46	15.023	2213	2222	2229	rBV2	4449356	9637096	13.33%	3.344%
47	15.182	2242	2249	2257	rBV2	701281	1343603	1.86%	0.466%
48	15.288	2257	2267	2273	rBV3	683241	1904891	2.63%	0.661%
49	15.411	2280	2288	2298	rVB2	624141	1555202	2.15%	0.540%
50	15.611	2301	2322	2333	rBV	11095267	21531112	29.77%	7.472%
51	15.717	2333	2340	2346	rVV	774047	1698556	2.35%	0.589%
52	16.747	2508	2515	2522	rBV	2135350	4749181	6.57%	1.648%

Sum of corrected areas: 288170730

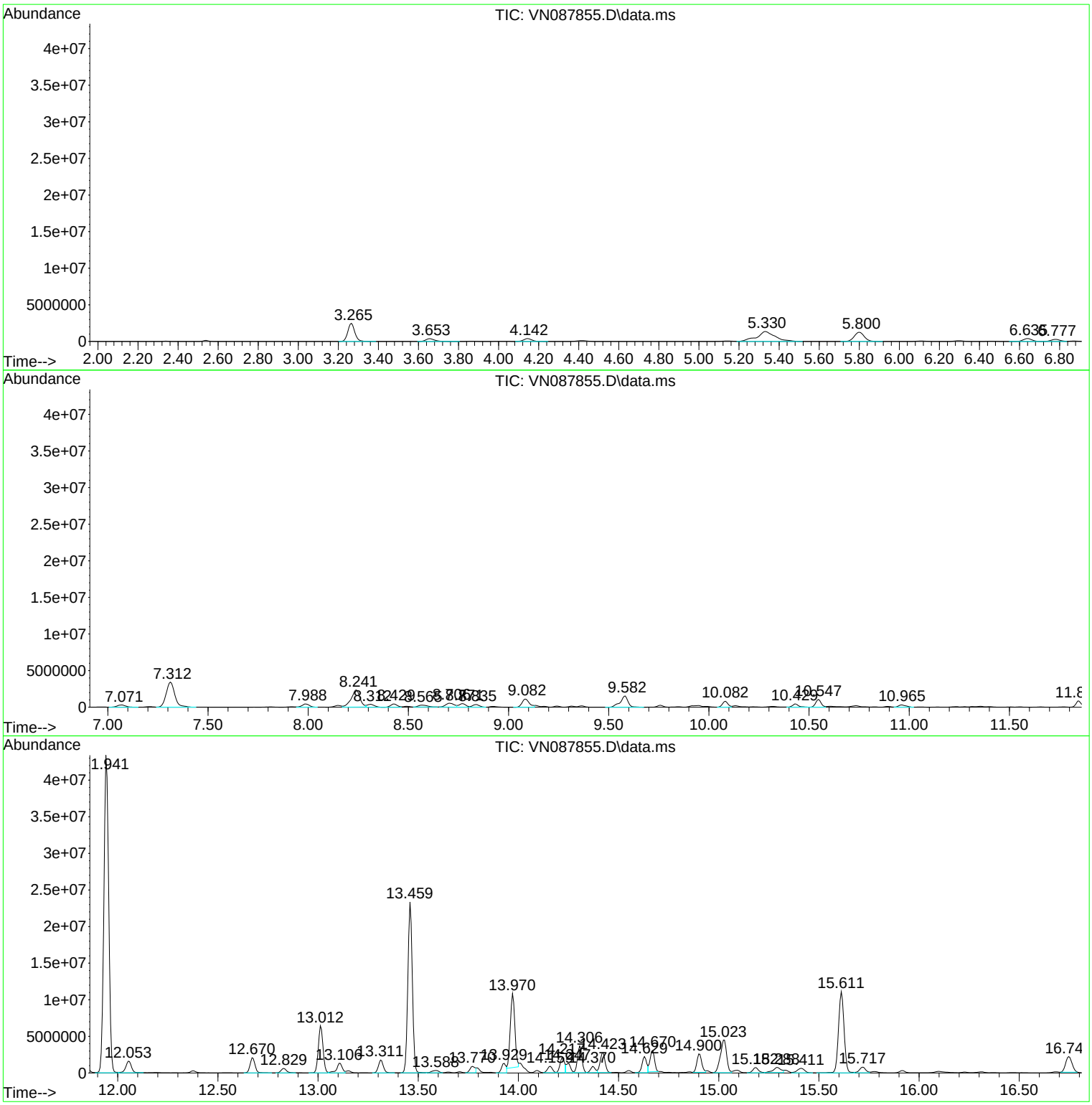
Sample Results: **VN087855.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

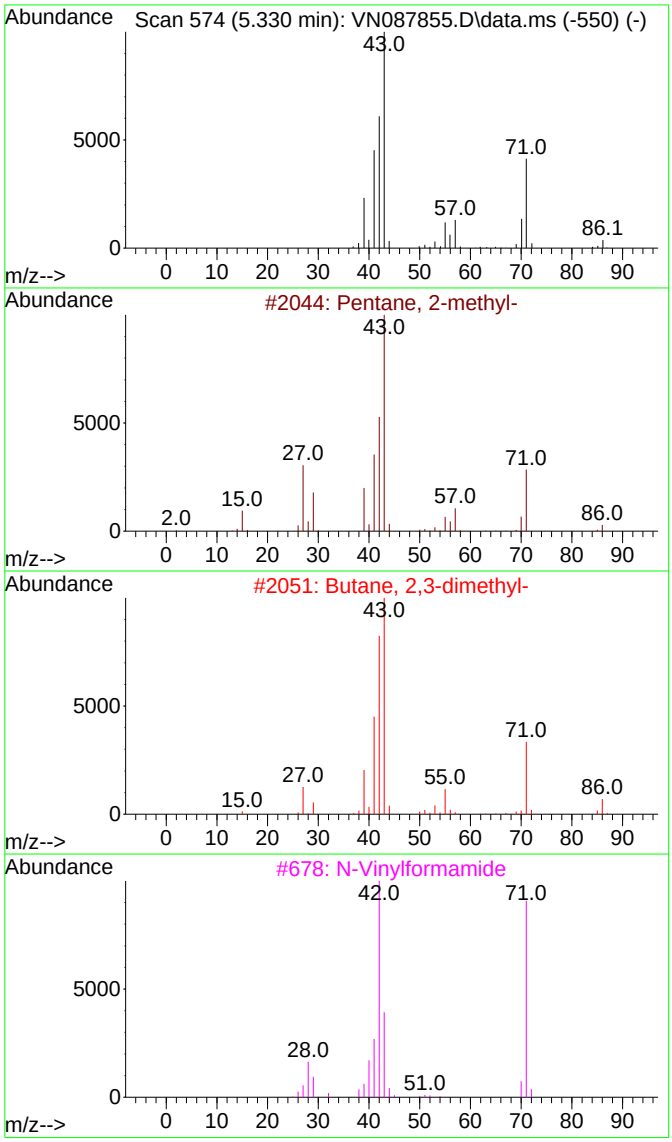
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

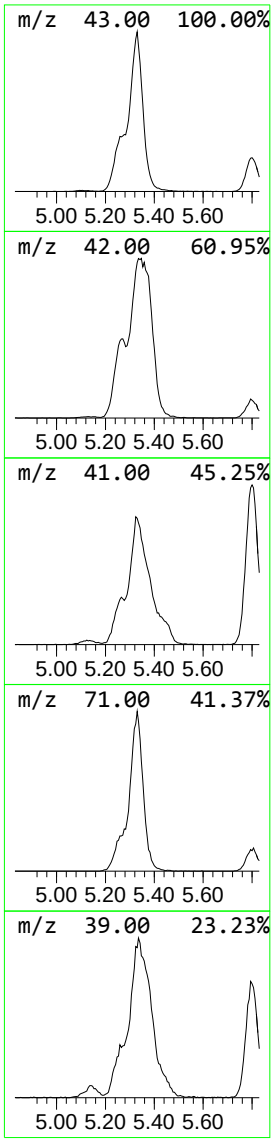
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.330	60.58 ug/l	8564100	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	49
3	N-Vinylformamide	71	C3H5NO	013162-05-5	38
4	Propanoic acid, 2-methyl-, 2-pro...	128	C7H12O2	015727-77-2	25
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

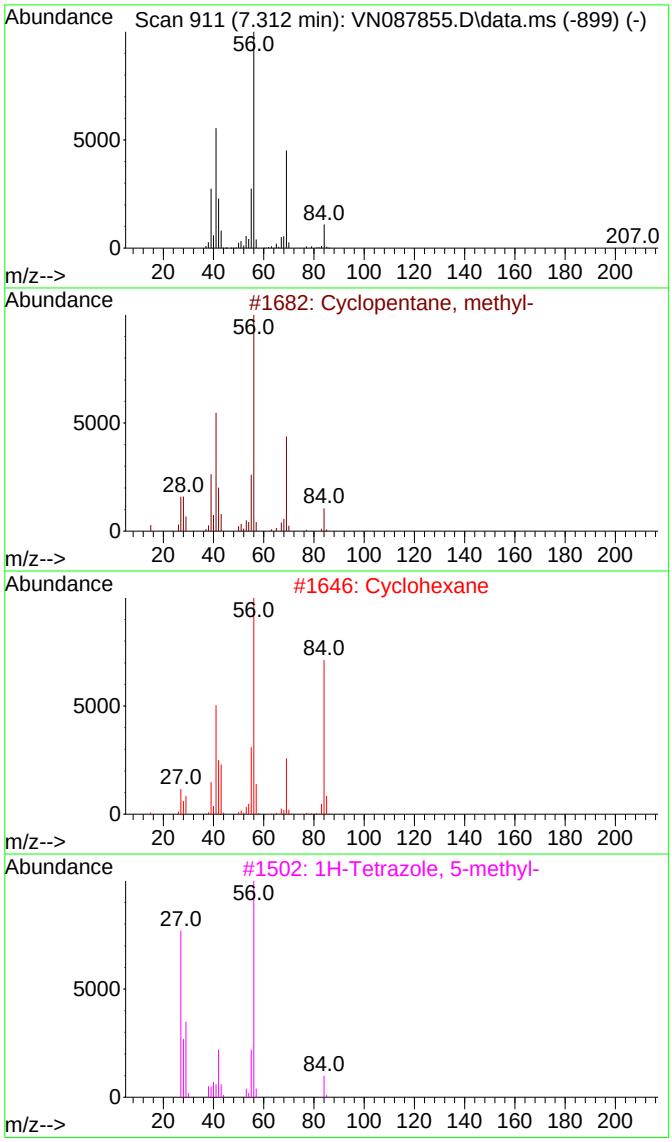
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

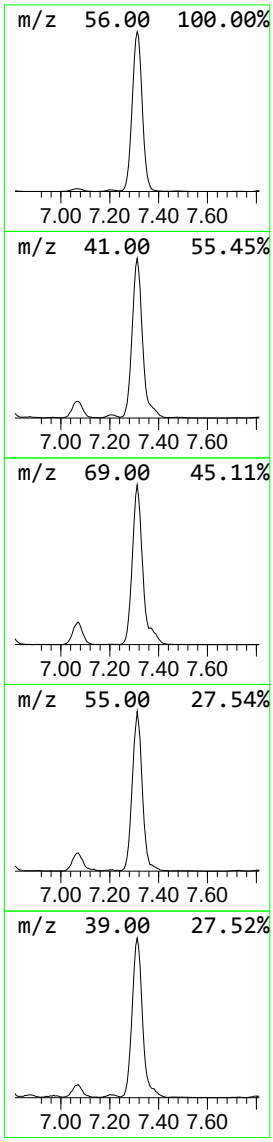
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	72.04 ug/l	10184800	Pentafluorobenzene	8.212

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	78
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\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

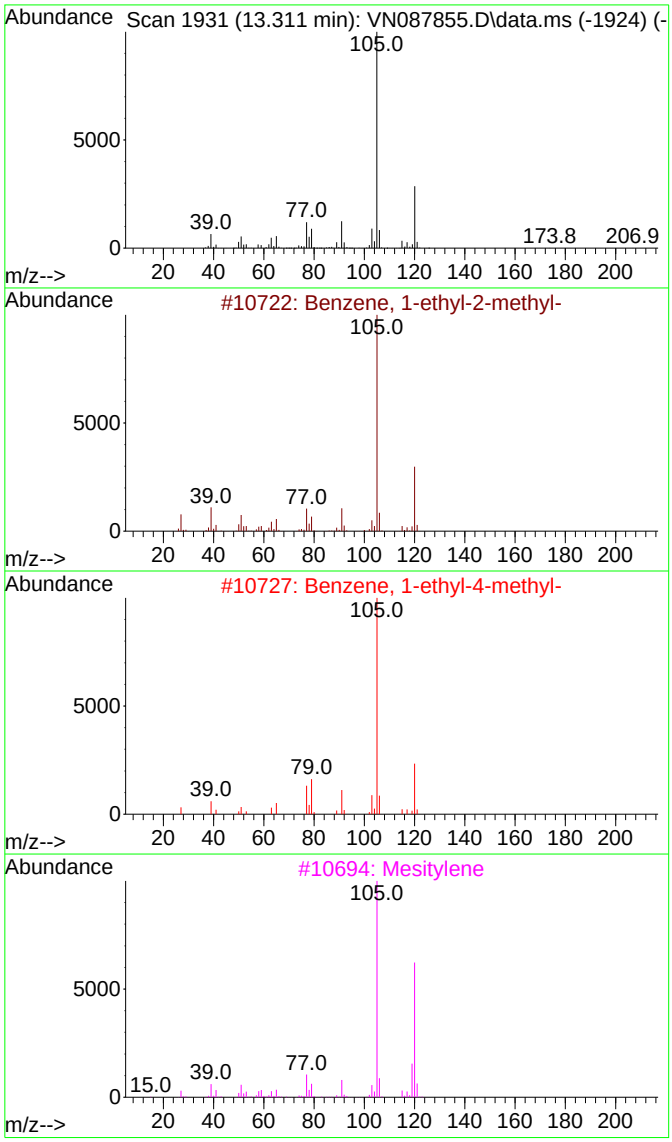
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

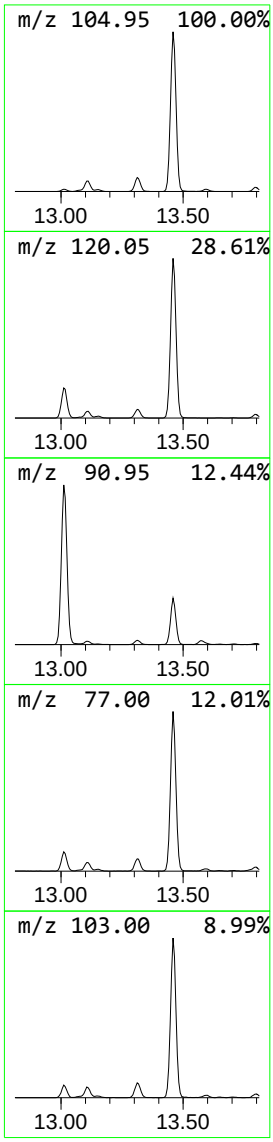
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	90.22 ug/l	2989310	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

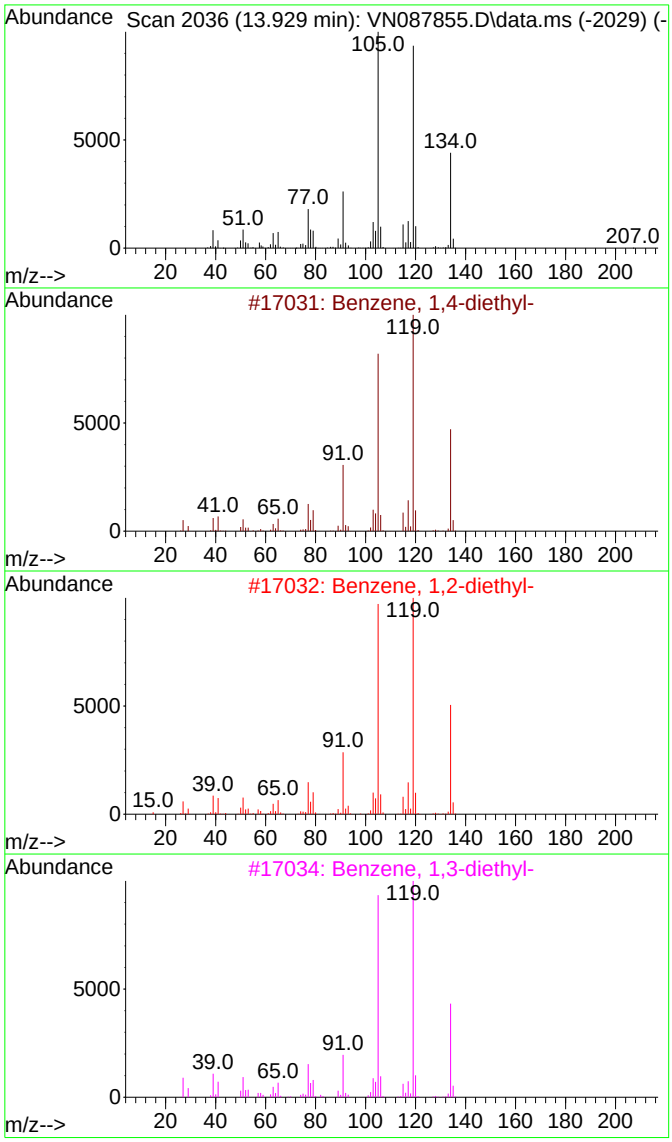
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

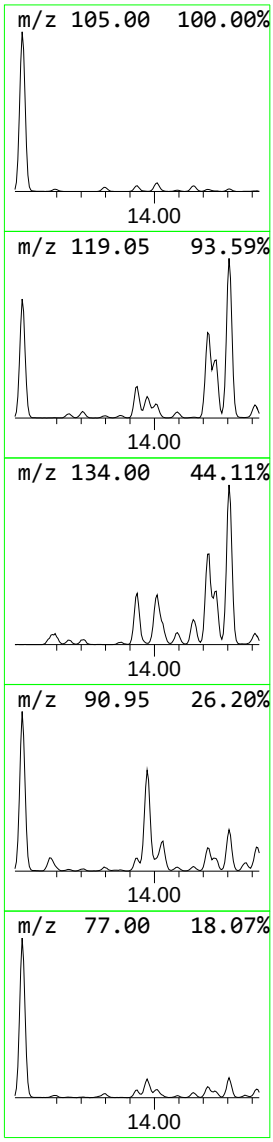
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,4-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.929	61.52 ug/l	2038250	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, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

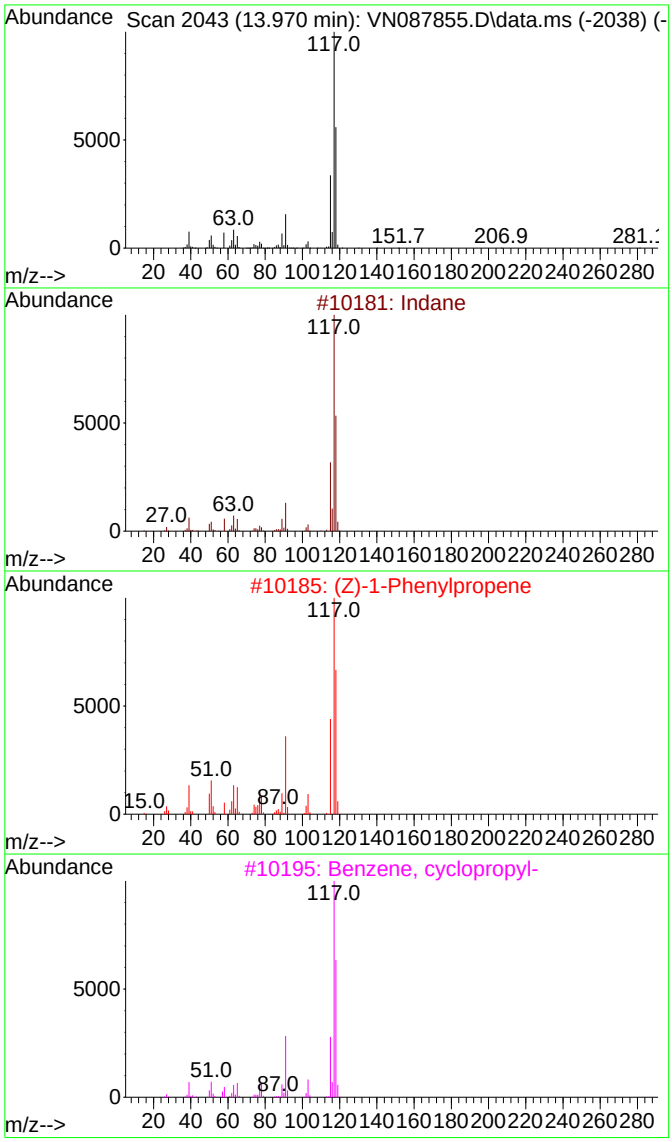
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

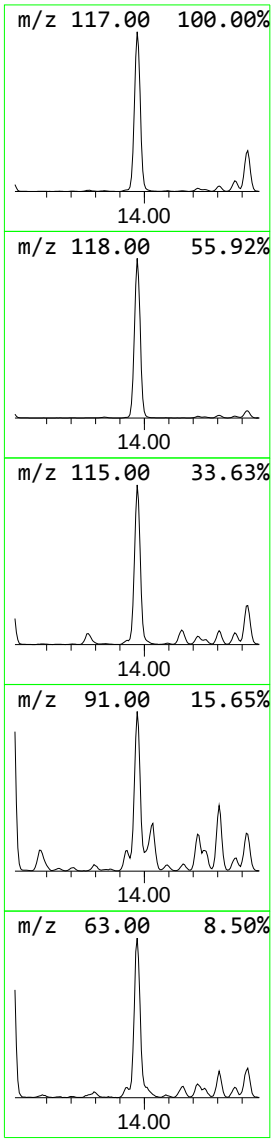
****

Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	484.79 ug/l	16062600	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

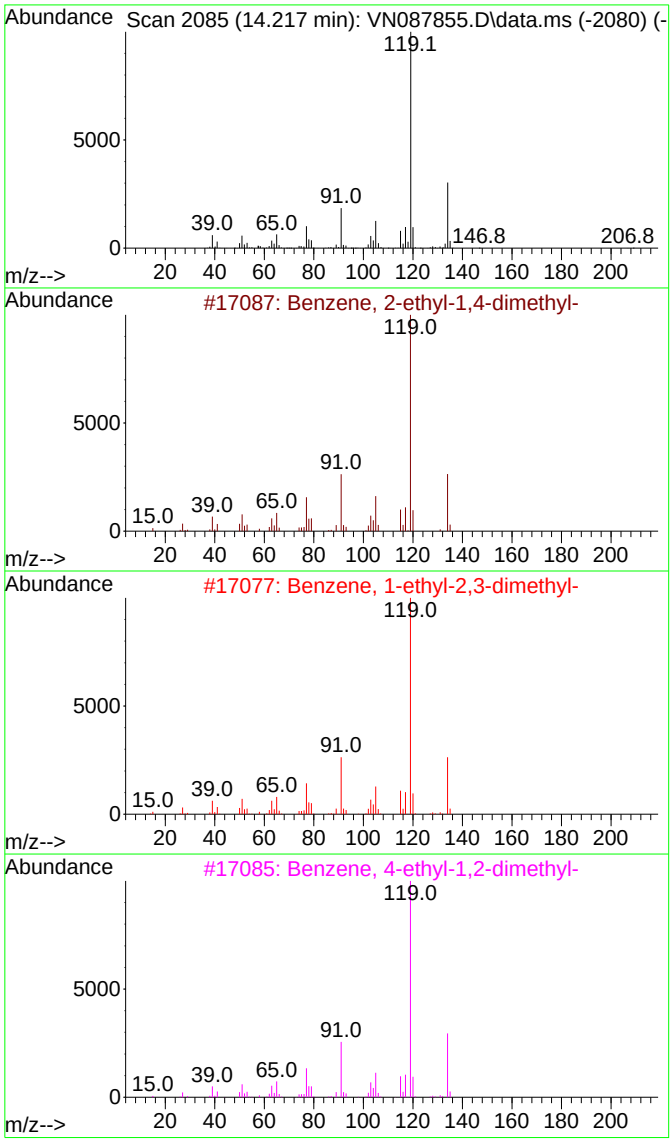
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

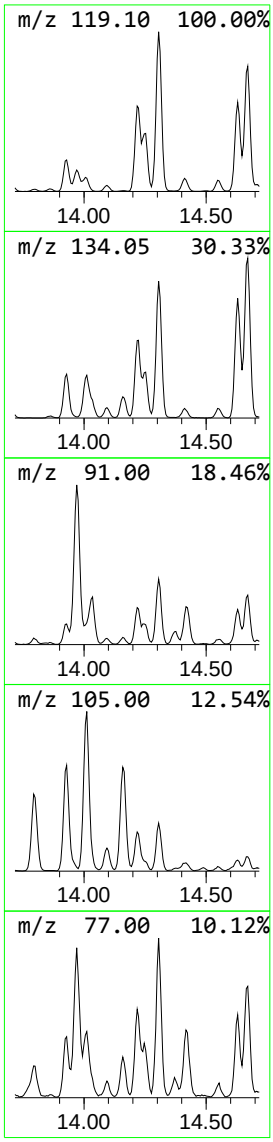
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.217	101.49 ug/l	3362820	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

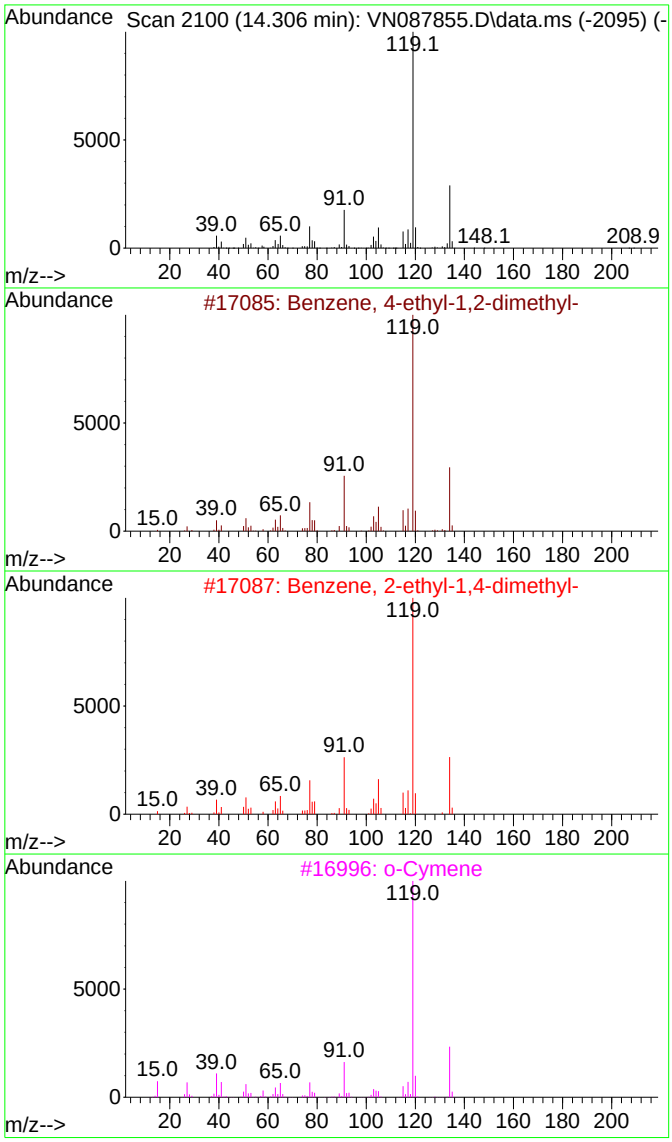
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

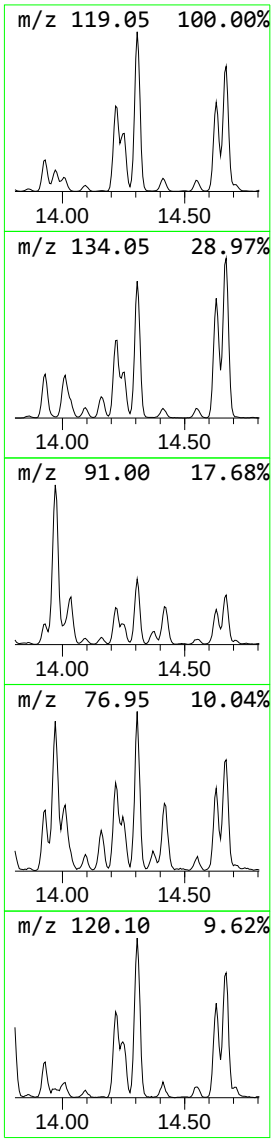
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	169.11 ug/l	5603130	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

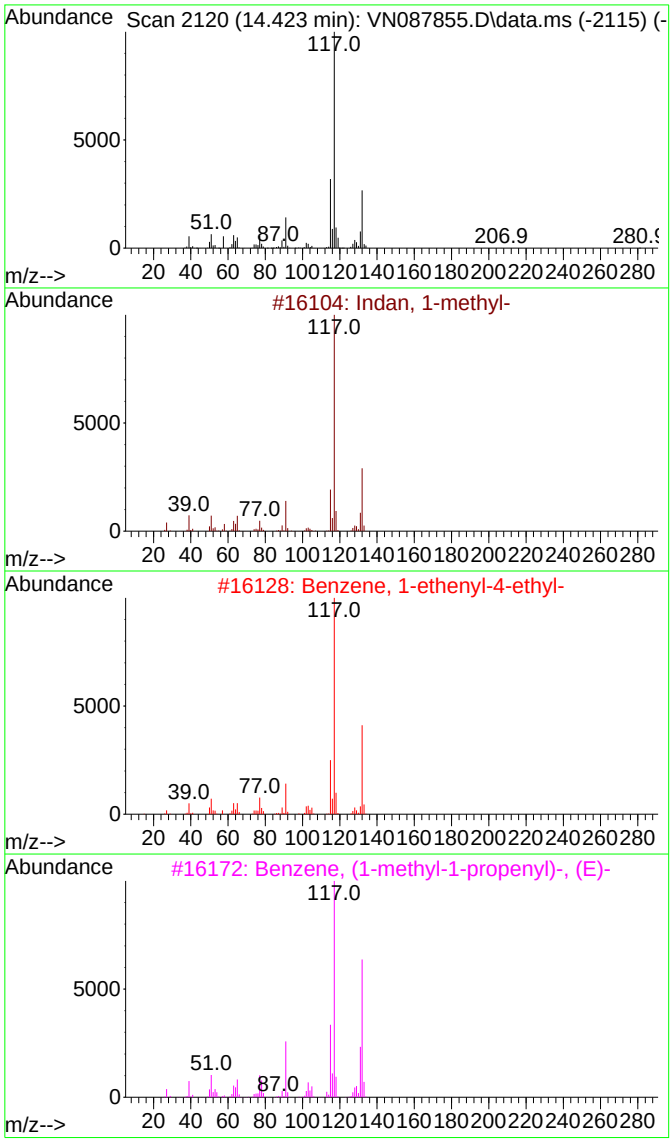
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

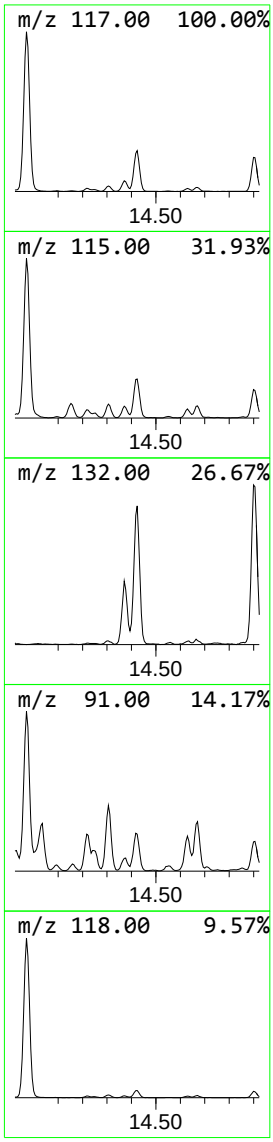
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.423	139.82 ug/l	4632670	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	80
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

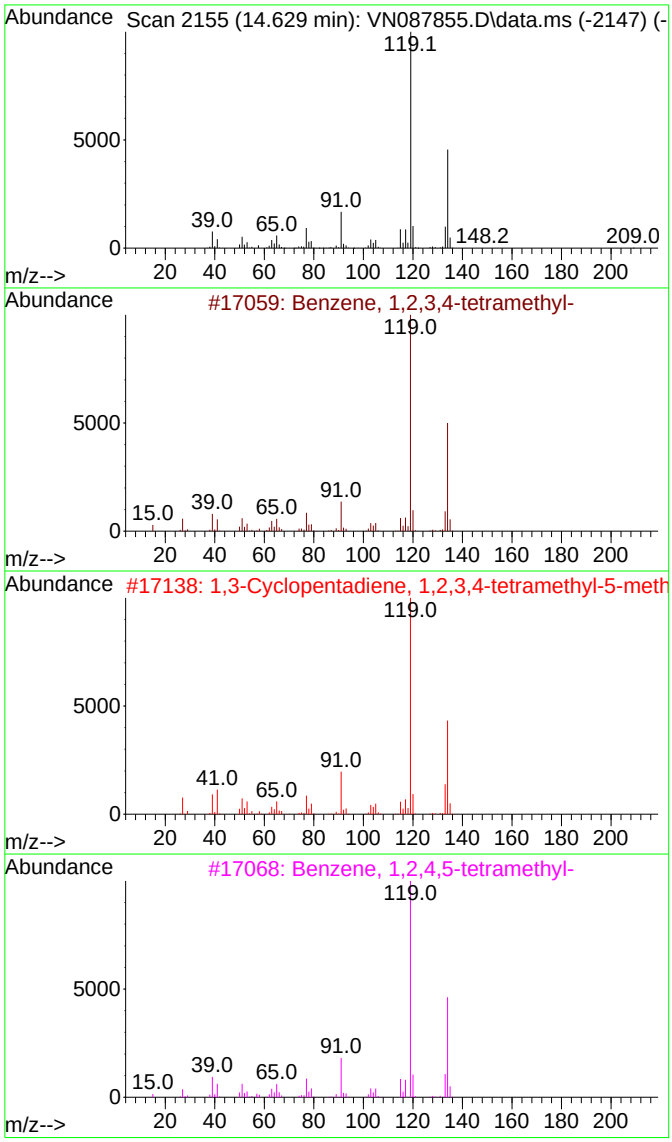
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

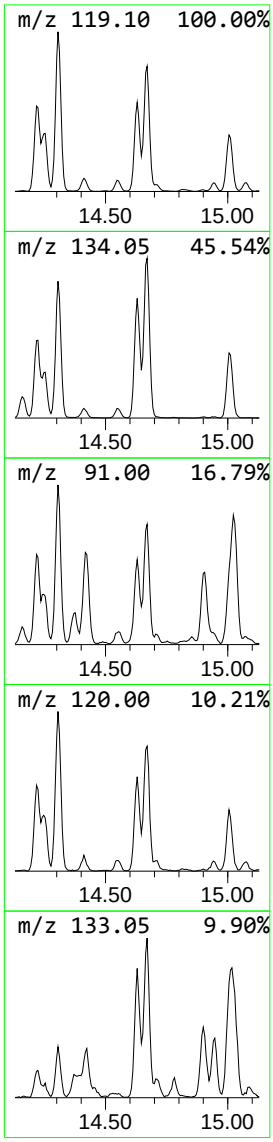
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	108.07 ug/l	3580820	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	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

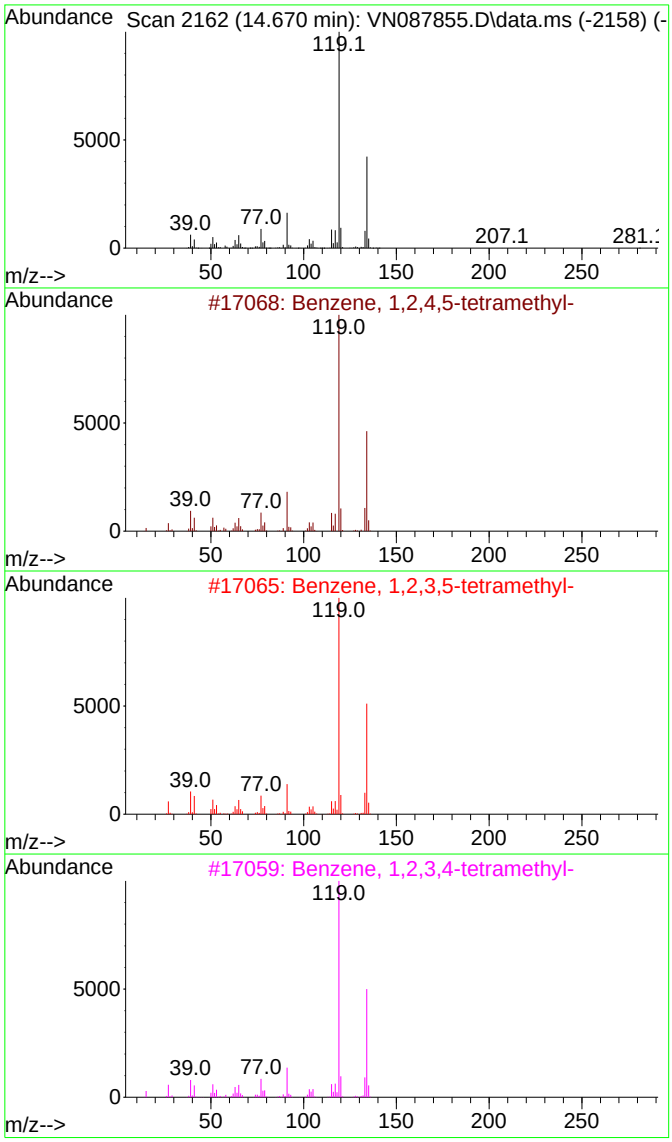
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

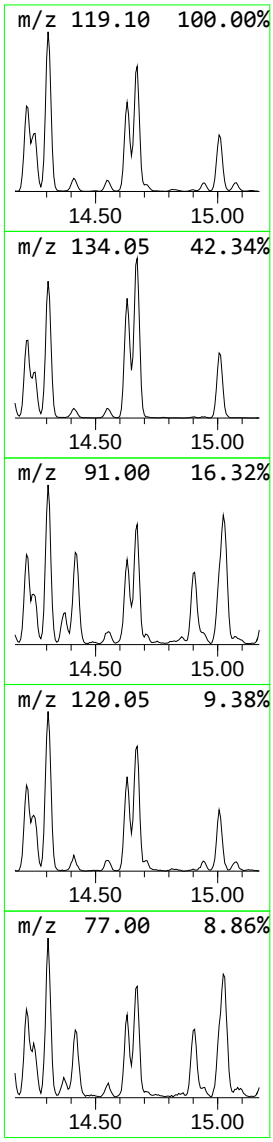
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.670	134.02 ug/l	4440470	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

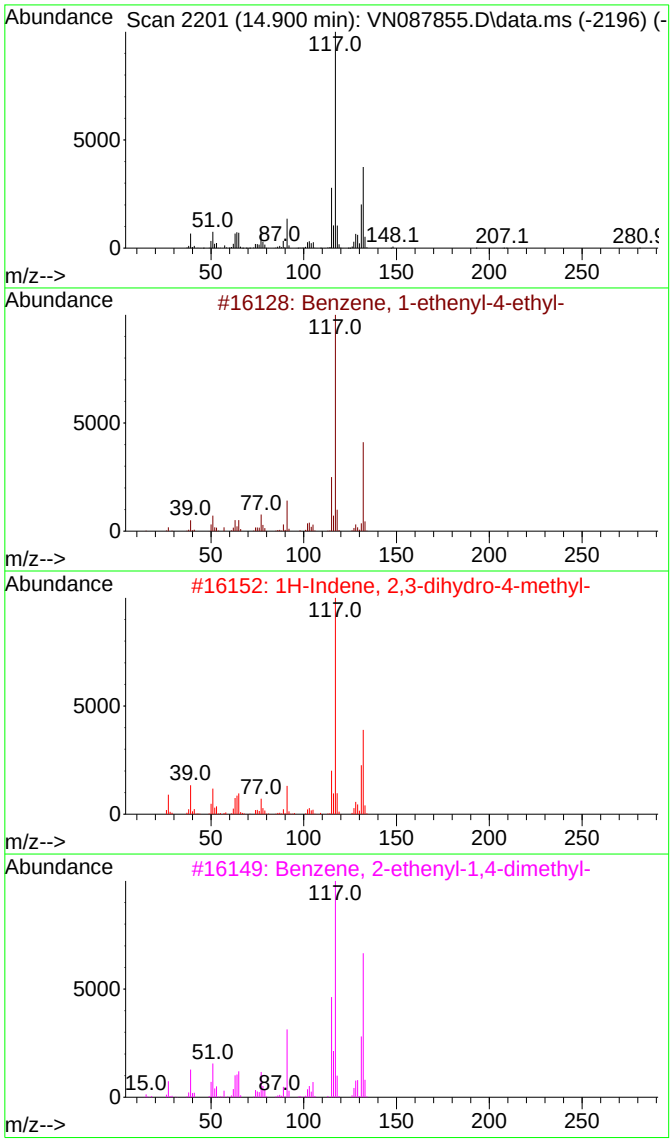
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

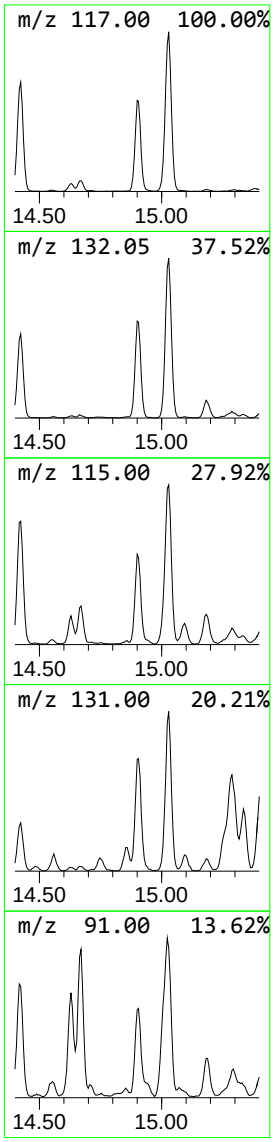
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	128.12 ug/l	4245100	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

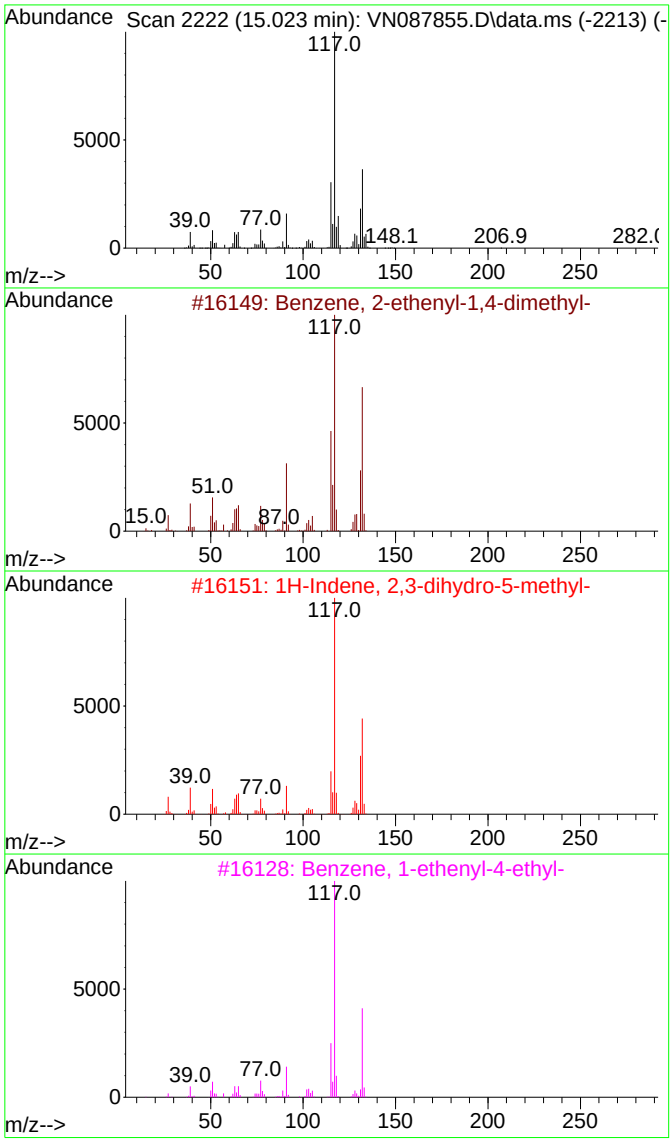
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

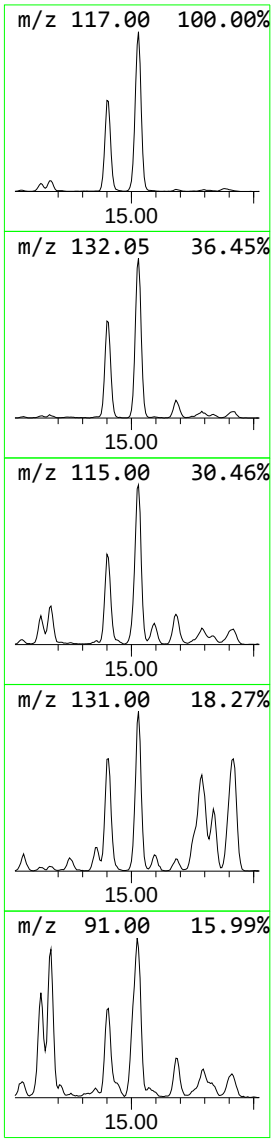
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	290.86 ug/l	9637100	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	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	1-Phenyl-1-butene	132	C10H12	000824-90-8	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

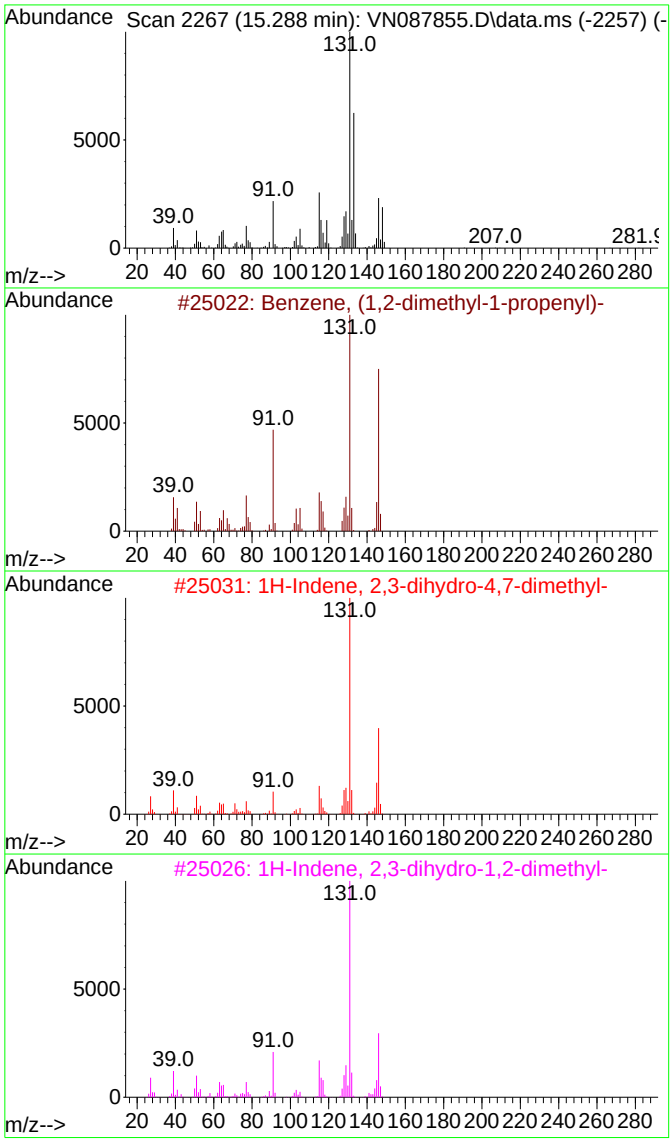
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

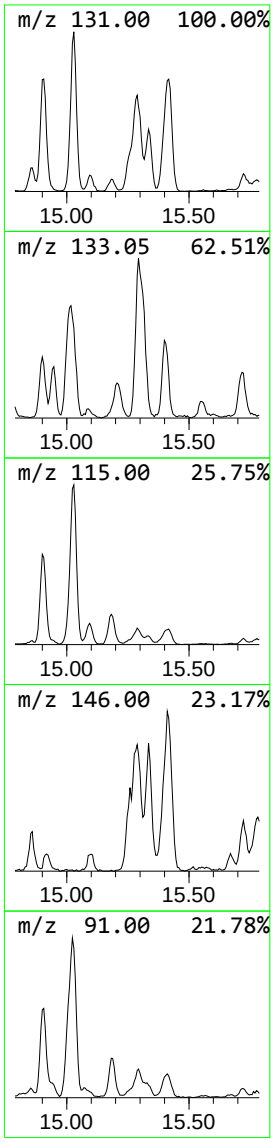
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.288	57.49 ug/l	1904890	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	92
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	83
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

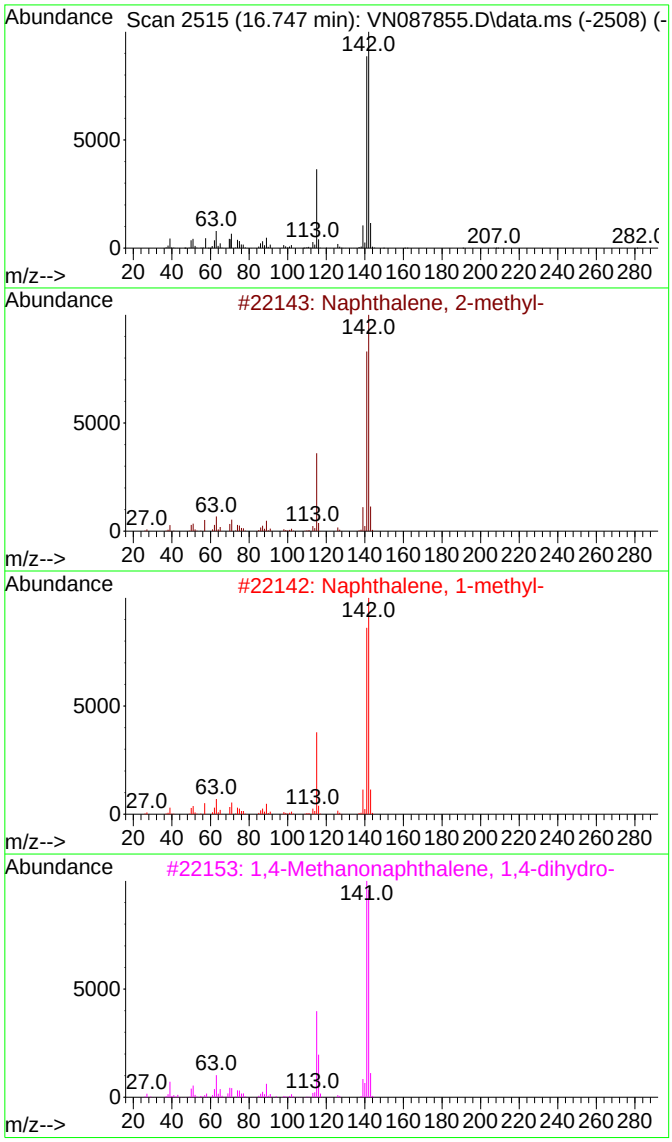
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

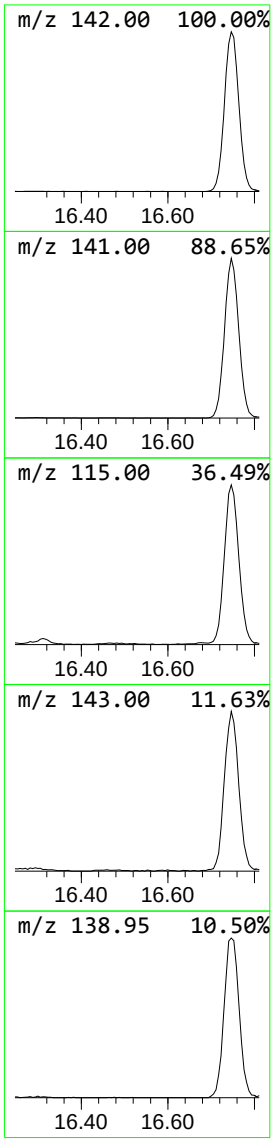
****

Peak Number 15 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.747	143.34 ug/l	4749180	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087855.D
Acq On : 16 Sep 2025 17:11
Operator : JC\MD
Sample : Q3109-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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	60.6	ug/l	8564100	1	8.212	7068760	50.0
Cyclopentane, m...	7.312	72.0	ug/l	10184800	1	8.212	7068760	50.0
Benzene, 1-ethy...	13.312	90.2	ug/l	2989310	4	13.770	1656670	50.0
Benzene, 1,4-di...	13.929	61.5	ug/l	2038250	4	13.770	1656670	50.0
Indane	13.970	484.8	ug/l	16062600	4	13.770	1656670	50.0
Benzene, 2-ethy...	14.217	101.5	ug/l	3362820	4	13.770	1656670	50.0
Benzene, 4-ethy...	14.306	169.1	ug/l	5603130	4	13.770	1656670	50.0
Indan, 1-methyl-	14.423	139.8	ug/l	4632670	4	13.770	1656670	50.0
Benzene, 1,2,3,...	14.629	108.1	ug/l	3580820	4	13.770	1656670	50.0
Benzene, 1,2,4,...	14.670	134.0	ug/l	4440470	4	13.770	1656670	50.0
Benzene, 1-ethe...	14.900	128.1	ug/l	4245100	4	13.770	1656670	50.0
Benzene, 2-ethe...	15.023	290.9	ug/l	9637100	4	13.770	1656670	50.0
Benzene, (1,2-d...	15.288	57.5	ug/l	1904890	4	13.770	1656670	50.0
Naphthalene, 2-...	16.747	143.3	ug/l	4749180	4	13.770	1656670	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047606.D
Acq On : 17 Sep 2025 10:57
Operator : JC/MD
Sample : Q3109-02DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 02:01:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	157331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	316909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	305419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	148891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116538	46.535	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.060%			
35) Dibromofluoromethane	5.373	113	94748	44.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.160%			
50) Toluene-d8	8.634	98	342453	46.566	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.140%			
62) 4-Bromofluorobenzene	11.061	95	143886	51.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.100%			
Target Compounds						Qvalue
31) Cyclohexane	5.458	56	45942	13.883	ug/l	96
39) Methylcyclohexane	7.366	83	21113	5.989	ug/l	94
40) Benzene	6.031	78	5483	0.581	ug/l	93
52) Toluene	8.708	92	1449	0.249	ug/l	85
67) Ethyl Benzene	10.177	91	949108	79.278	ug/l	100
68) m/p-Xylenes	10.287	106	16520	3.707	ug/l	99
69) o-Xylene	10.628	106	2964	0.688	ug/l	91
73) Isopropylbenzene	10.945	105	44822	3.960	ug/l	99
78) n-propylbenzene	11.286	91	152586	11.403	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	5939m	0.639	ug/l	
84) 1,2,4-Trimethylbenzene	11.731	105	362169	38.411	ug/l	100
85) sec-Butylbenzene	11.872	105	8507m	0.752	ug/l	
86) p-Isopropyltoluene	11.994	119	5044	0.527	ug/l	90
89) n-Butylbenzene	12.317	91	13619	1.537	ug/l #	75
95) Naphthalene	13.755	128	238753	24.454	ug/l	99

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

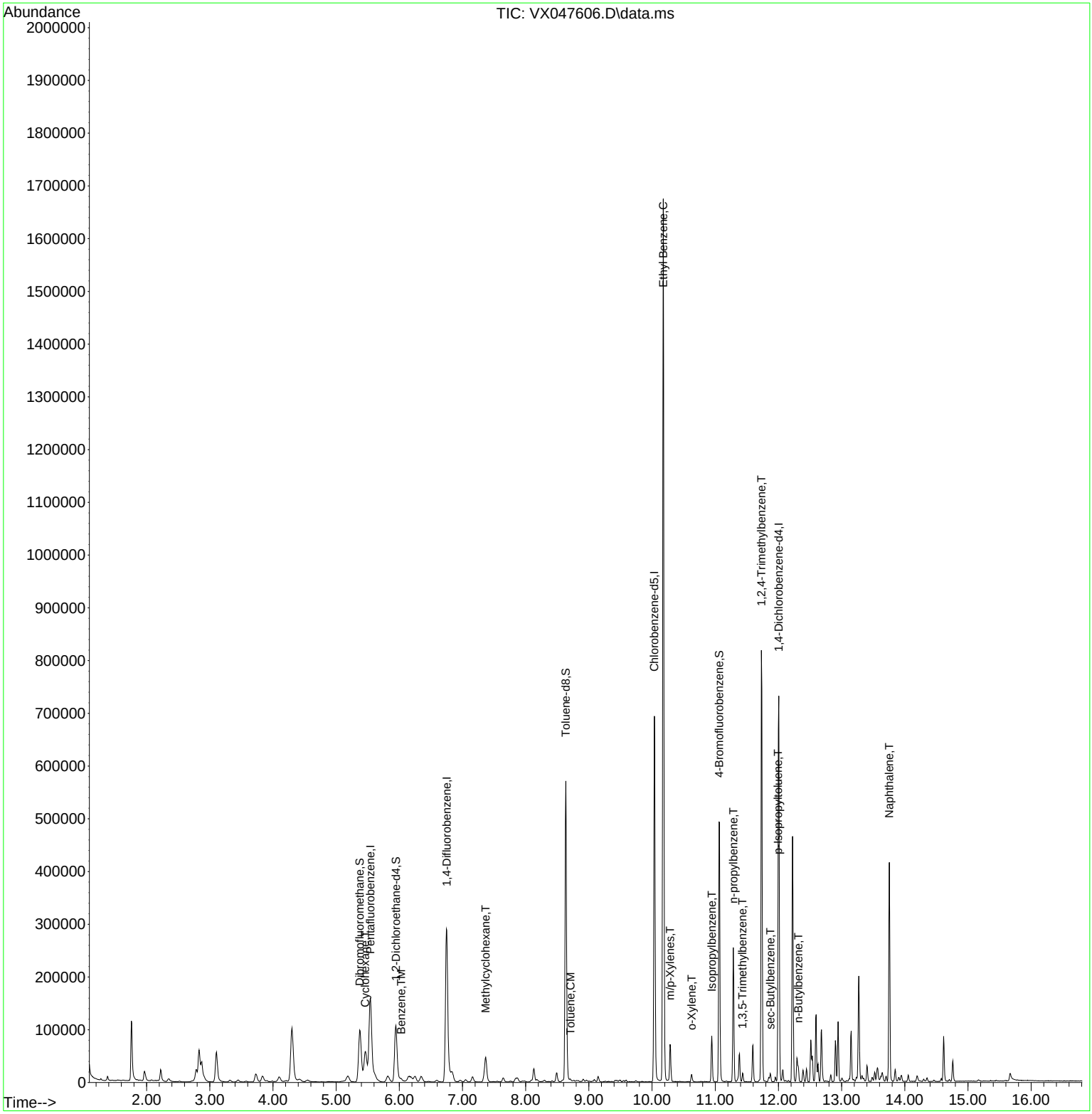
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047606.D
Acq On : 17 Sep 2025 10:57
Operator : JC/MD
Sample : Q3109-02DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

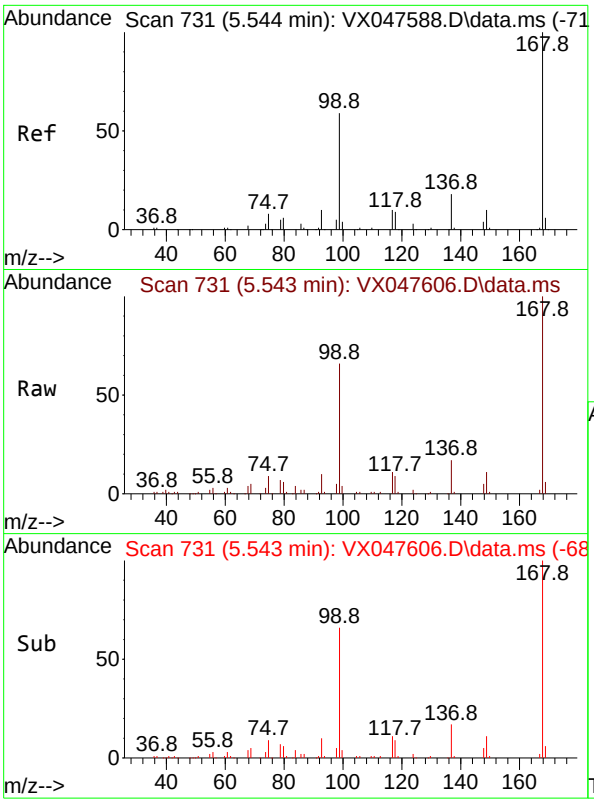
Quant Time: Sep 18 02:01:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

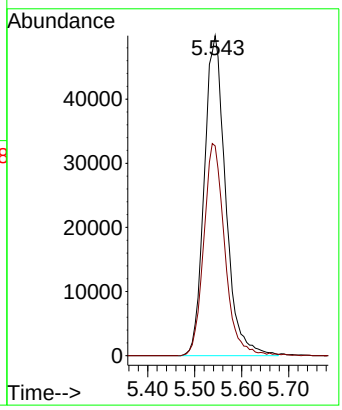




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:168 Resp: 15733

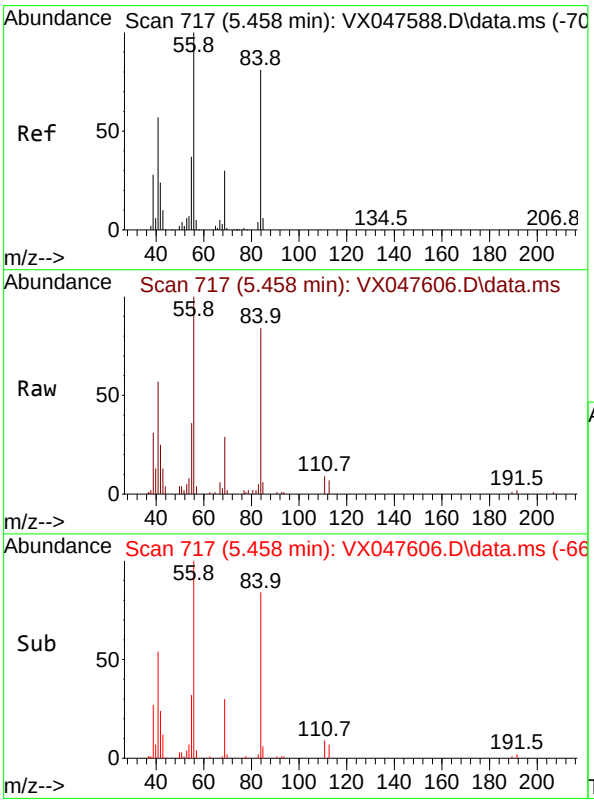
Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Manual Integrations
APPROVED

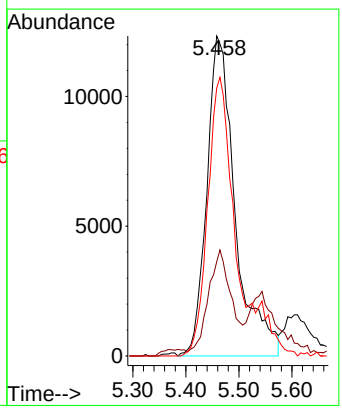
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

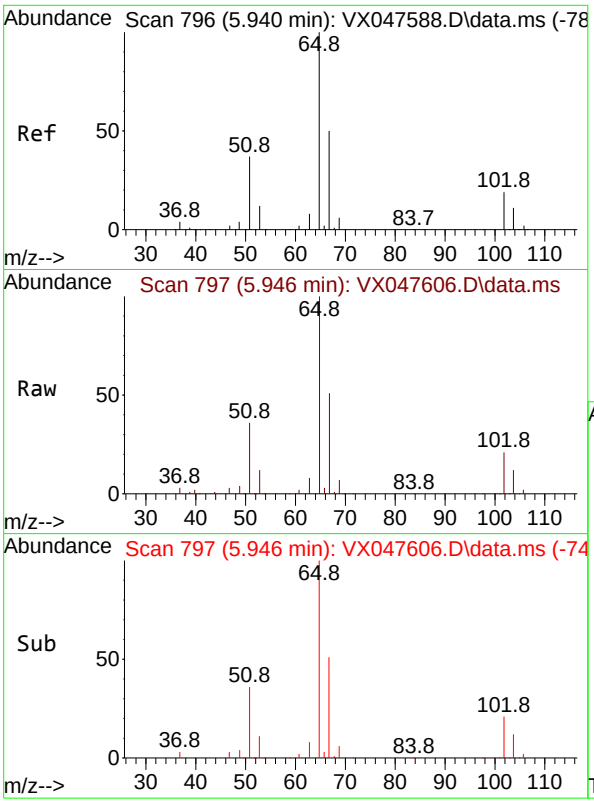


#31
Cyclohexane
Concen: 13.883 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 56 Resp: 45942

Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.8	35.8
84	83.8	64.6	97.0

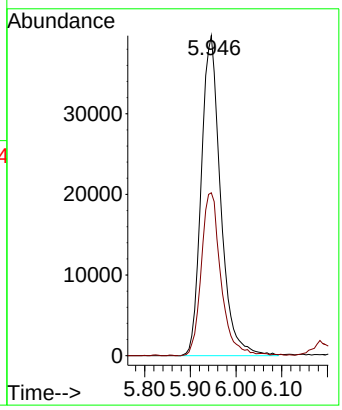




#33
1,2-Dichloroethane-d4
Concen: 46.535 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 65 Resp: 11653

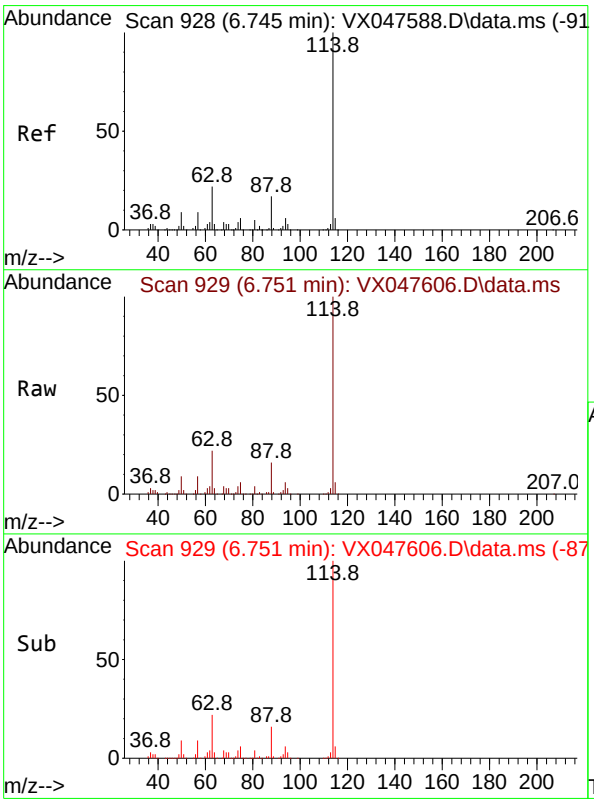
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Manual Integrations
APPROVED

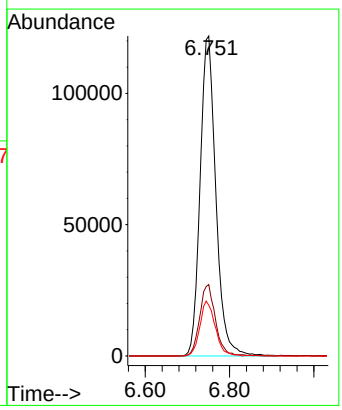
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

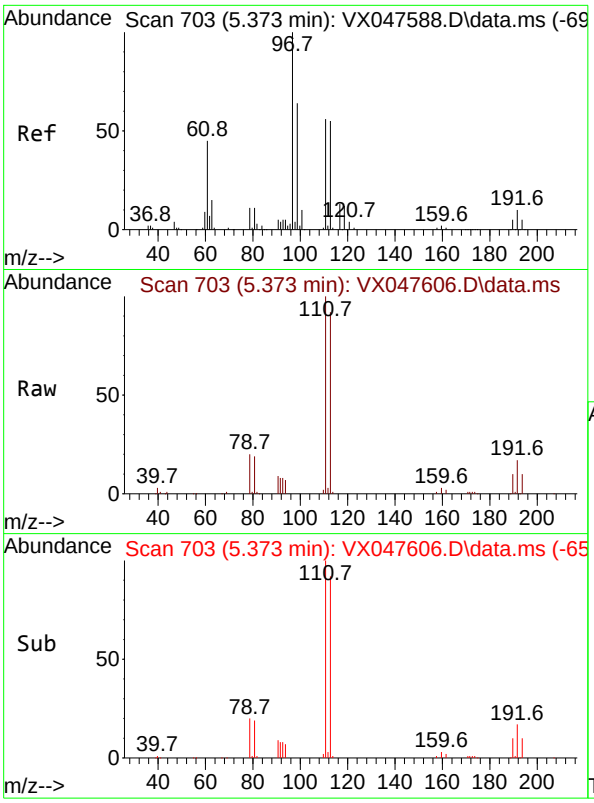


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:114 Resp: 316909

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	15.8	0.0	34.2

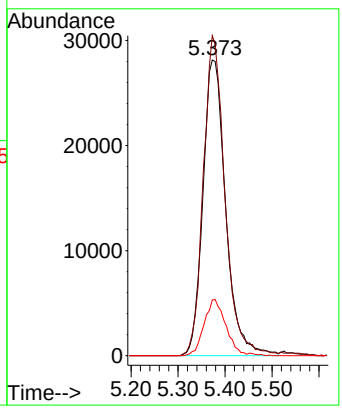




#35
Dibromofluoromethane
Concen: 44.580 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:113 Resp: 9474

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	18.3	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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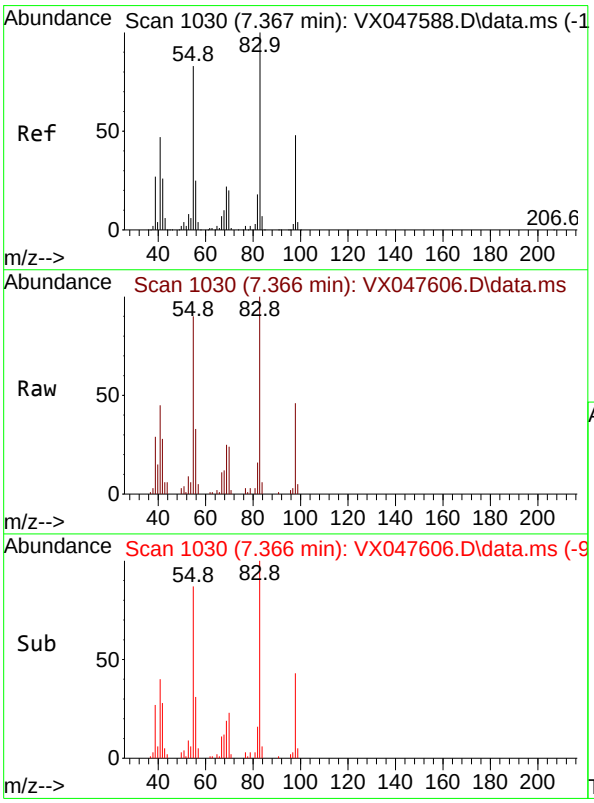
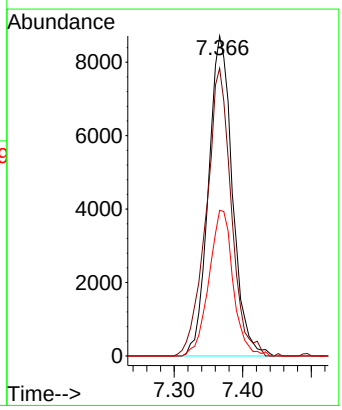
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

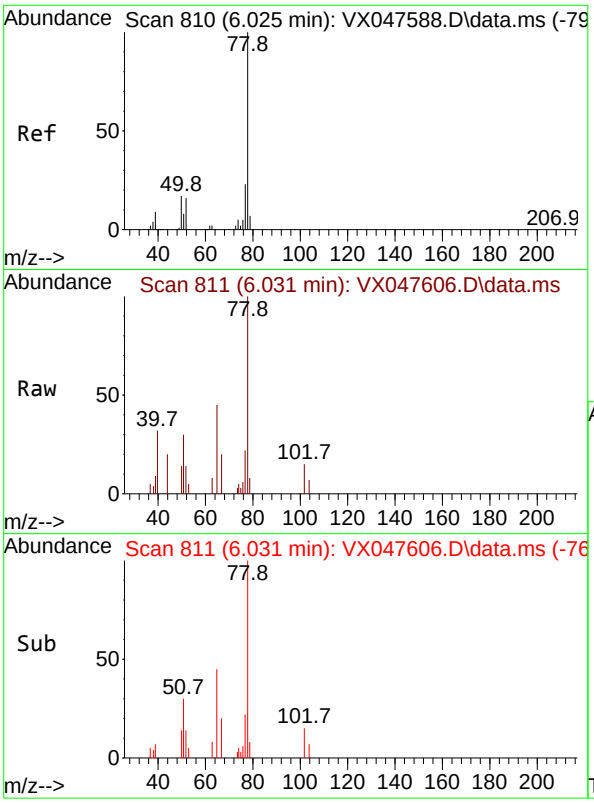


#39
Methylcyclohexane
Concen: 5.989 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 83 Resp: 21113

Ion	Ratio	Lower	Upper
83	100		
55	89.2	66.4	99.6
98	45.5	38.1	57.1

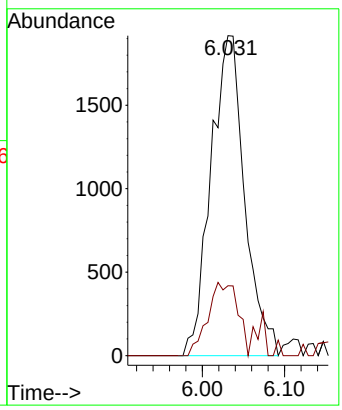




#40
Benzene
Concen: 0.581 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 78 Resp: 548

Ion	Ratio	Lower	Upper
78	100		
77	20.2	18.8	28.2



Instrument :
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ClientSampleId :
MW1DL

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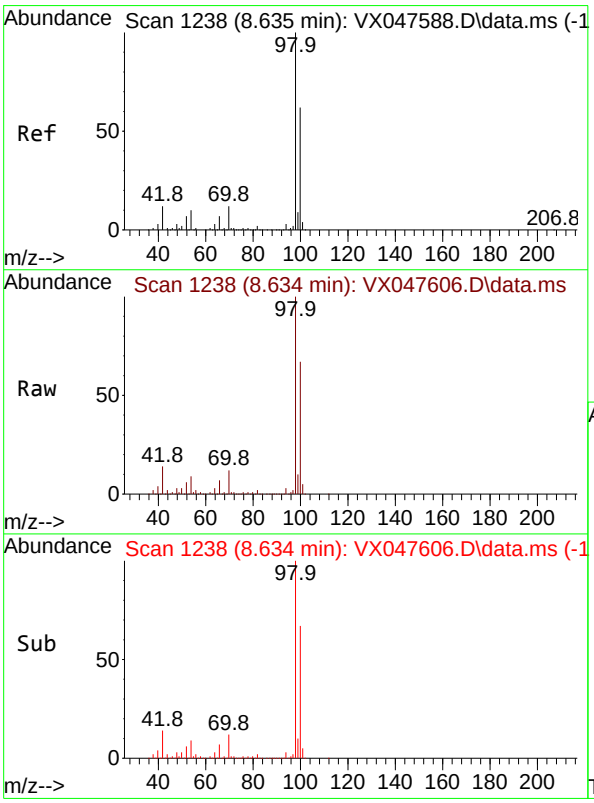
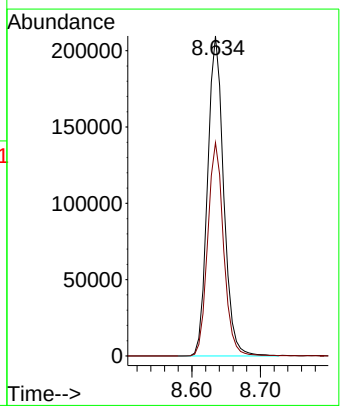
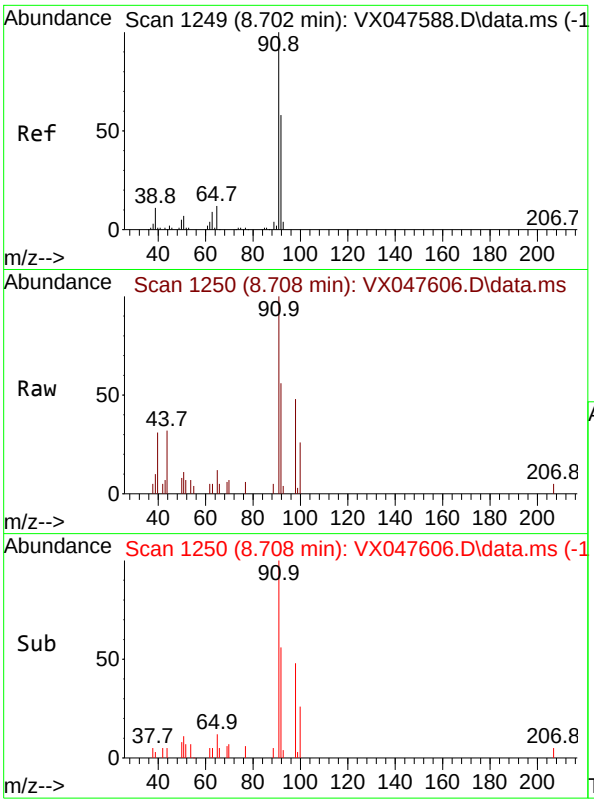


#50
Toluene-d8
Concen: 46.566 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 98 Resp: 342453

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

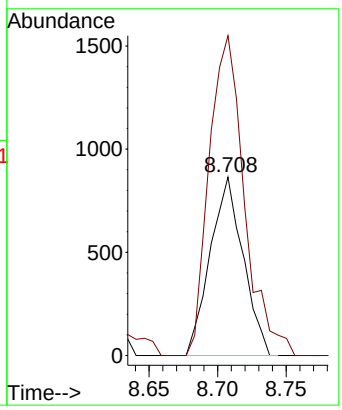




#52
Toluene
Concen: 0.249 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 92 Resp: 144

Ion	Ratio	Lower	Upper
92	100		
91	191.9	137.1	205.7



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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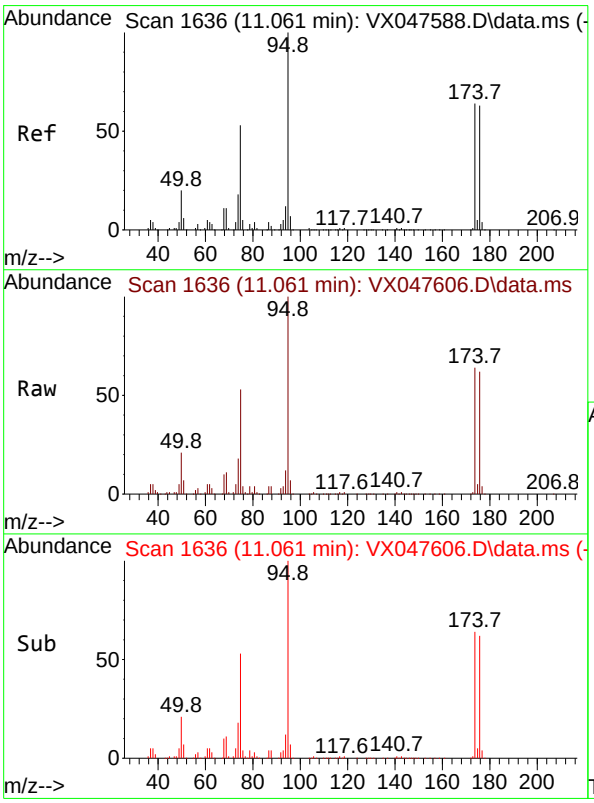
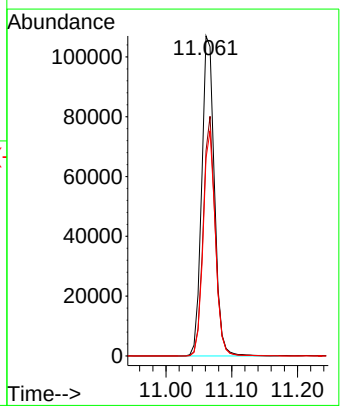
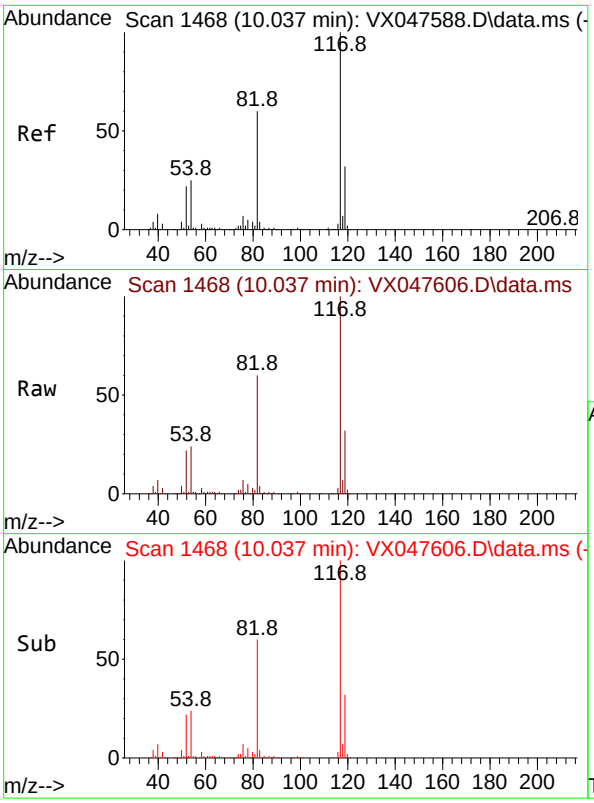


#62
4-Bromofluorobenzene
Concen: 51.553 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 95 Resp: 143886

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.6
176	67.5	0.0	138.4

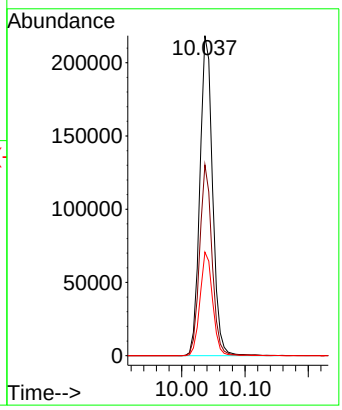




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:117 Resp: 30541

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	32.4	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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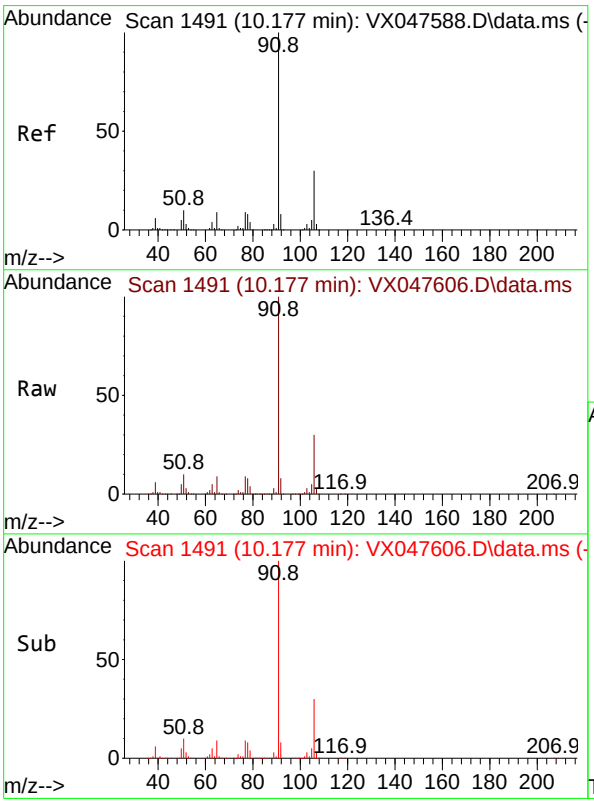
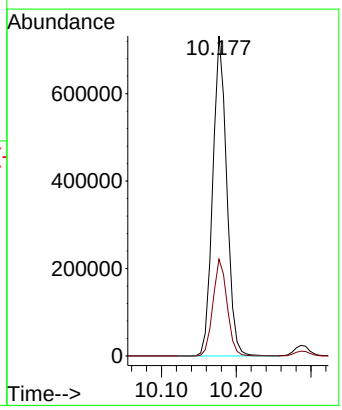
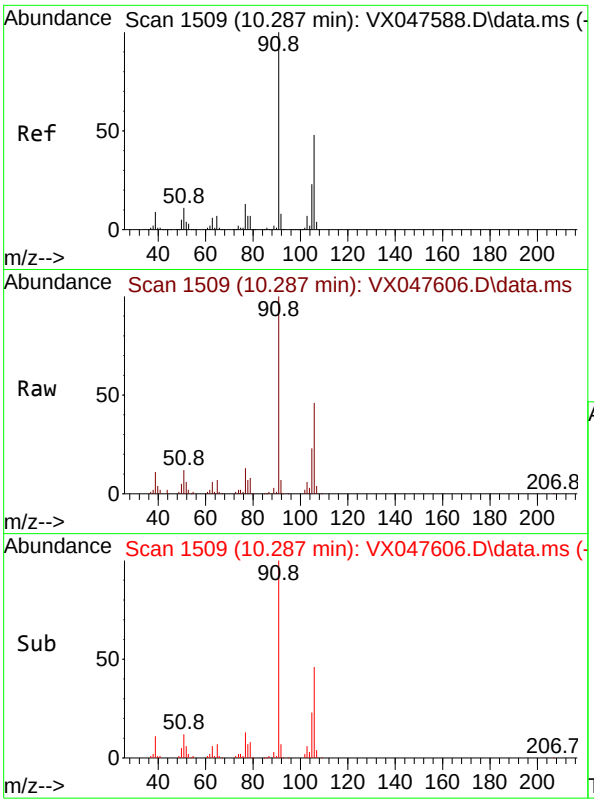


#67
Ethyl Benzene
Concen: 79.278 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 91 Resp: 949108

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

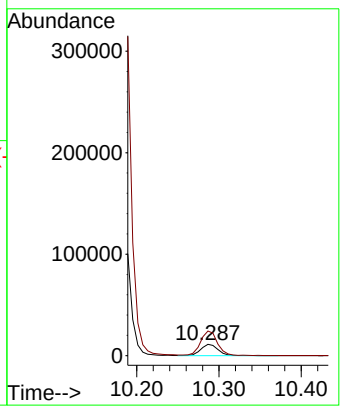




#68
m/p-Xylenes
Concen: 3.707 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:106 Resp: 1652

Ion	Ratio	Lower	Upper
106	100		
91	211.3	167.8	251.8



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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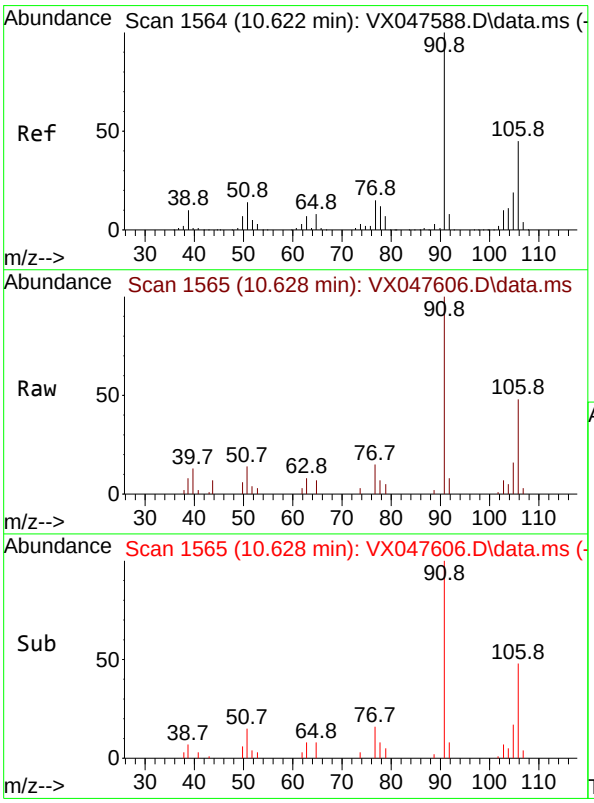
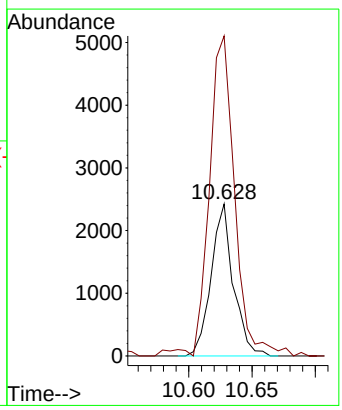
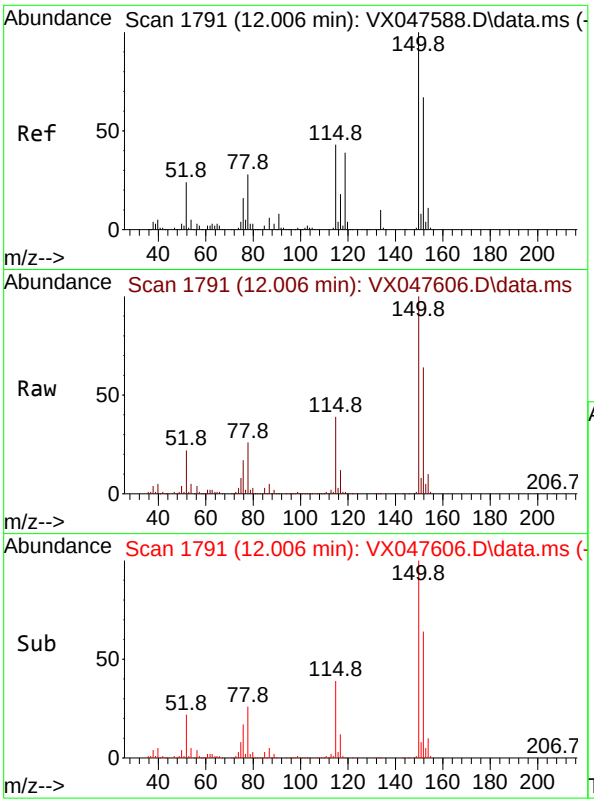


#69
o-Xylene
Concen: 0.688 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:106 Resp: 2964

Ion	Ratio	Lower	Upper
106	100		
91	237.0	111.1	333.4

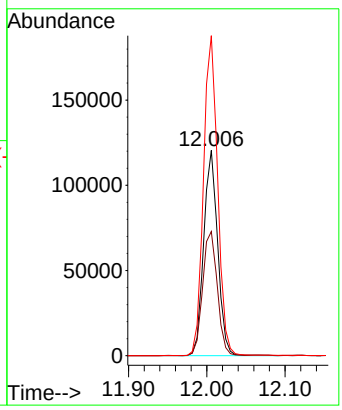




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:152 Resp: 14889

Ion	Ratio	Lower	Upper
152	100		
115	63.3	44.9	134.5
150	158.9	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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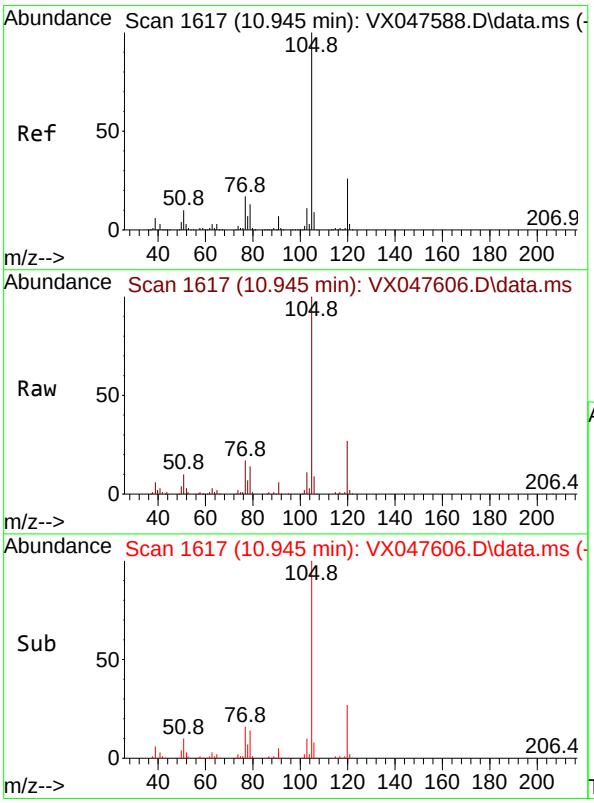
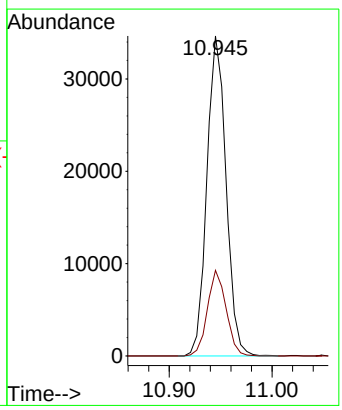
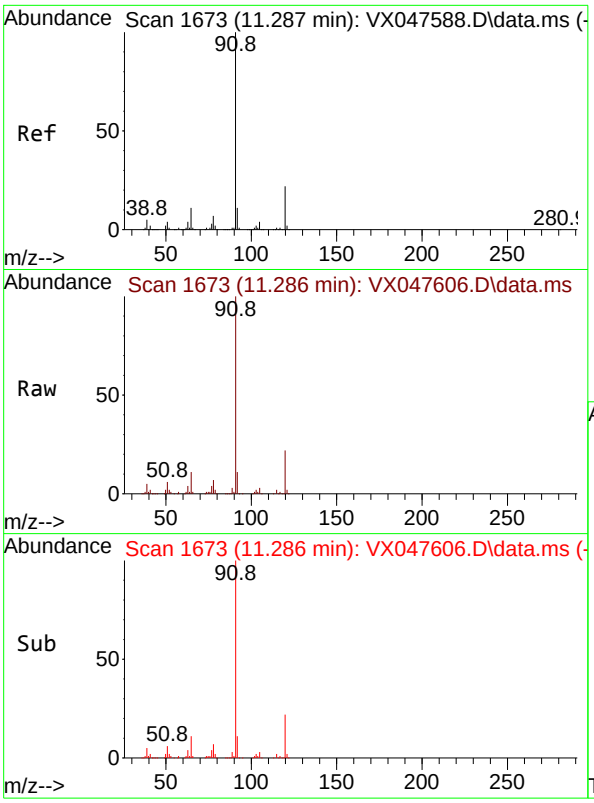


#73
Isopropylbenzene
Concen: 3.960 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:105 Resp: 44822

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

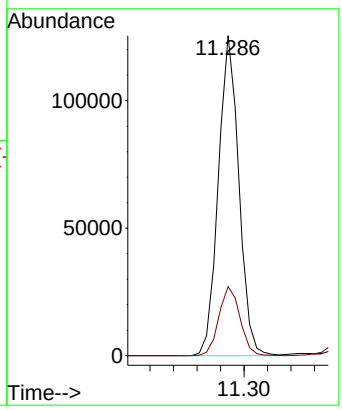




#78
n-propylbenzene
Concen: 11.403 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 91 Resp: 15258

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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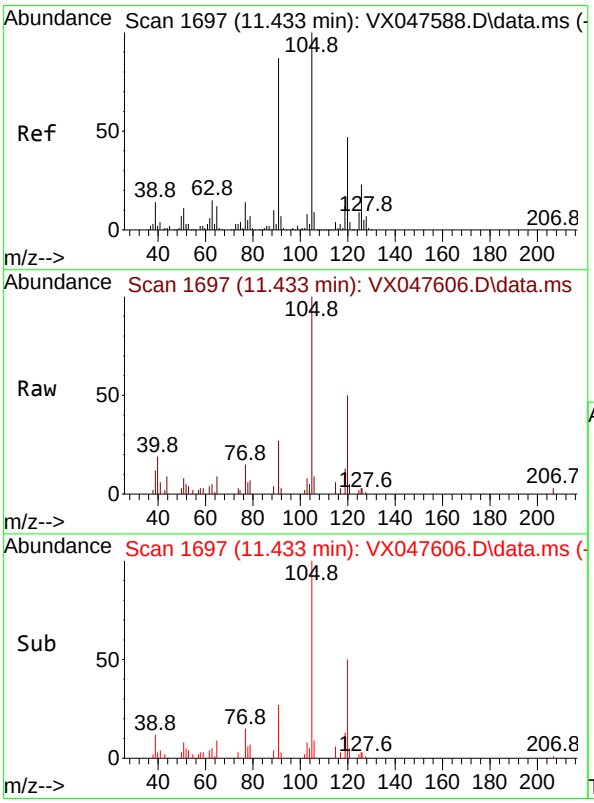
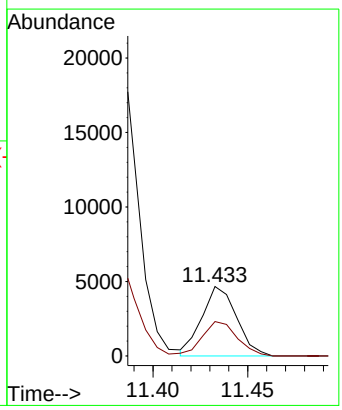
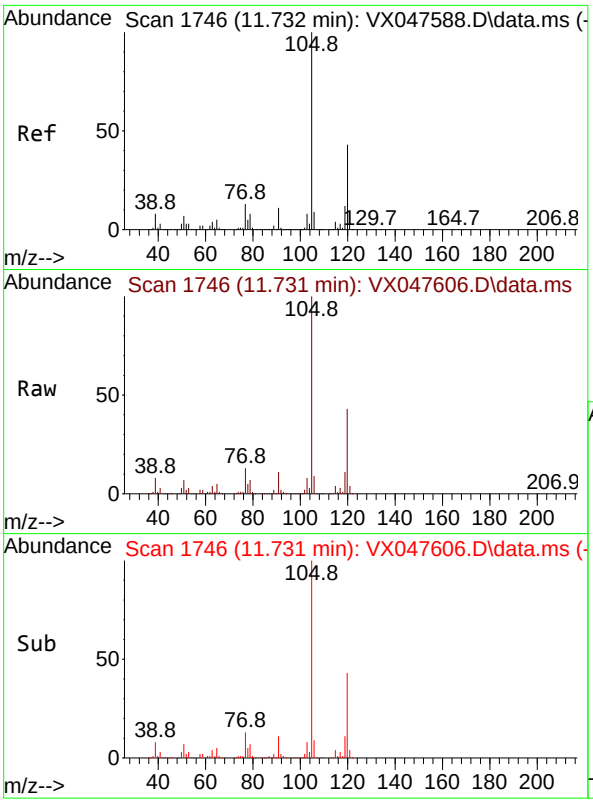


#80
1,3,5-Trimethylbenzene
Concen: 0.639 ug/l m
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:105 Resp: 5939

Ion	Ratio	Lower	Upper
105	100		
120	146.5	23.6	70.8#

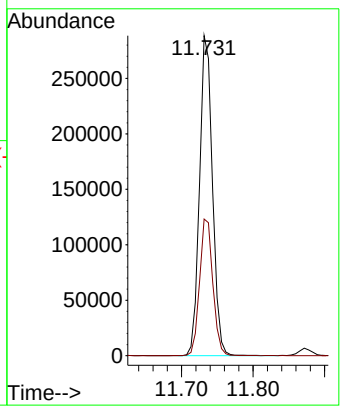




#84
1,2,4-Trimethylbenzene
Concen: 38.411 ug/l
RT: 11.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:105 Resp: 36216

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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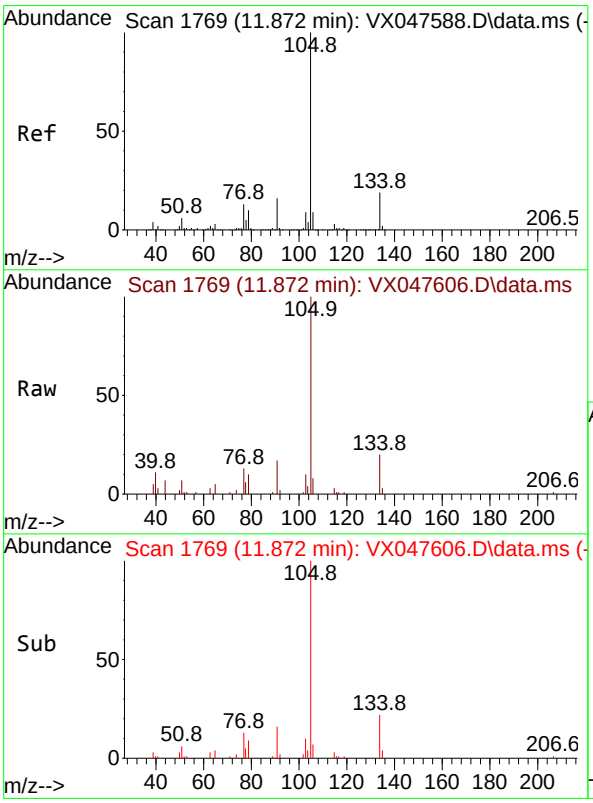
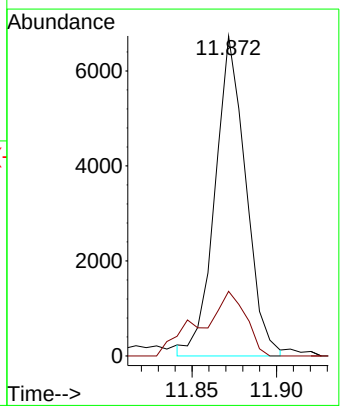
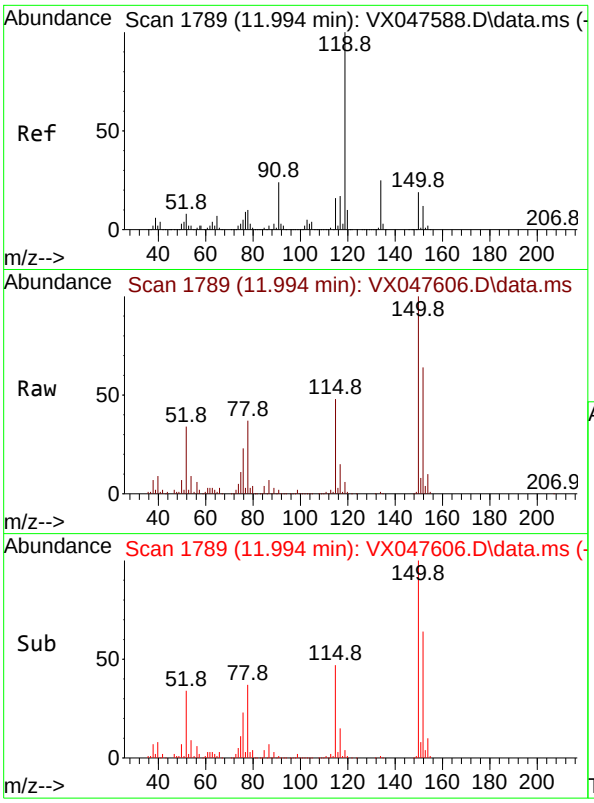


#85
sec-Butylbenzene
Concen: 0.752 ug/l m
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:105 Resp: 8507

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.5#

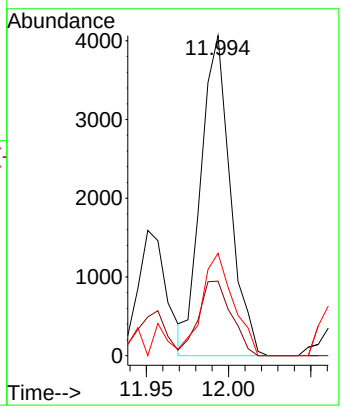




#86
p-Isopropyltoluene
Concen: 0.527 ug/l
RT: 11.994 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:119 Resp: 504

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	34.4	12.6	37.6



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

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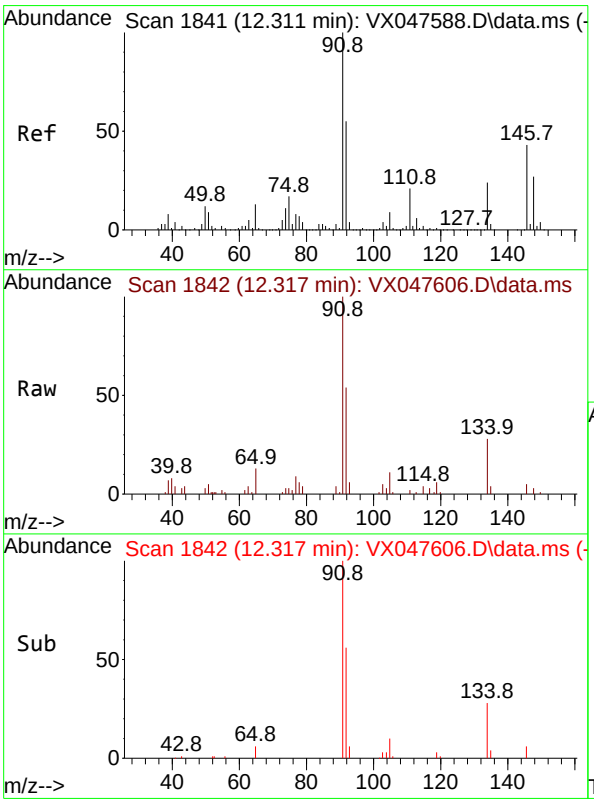
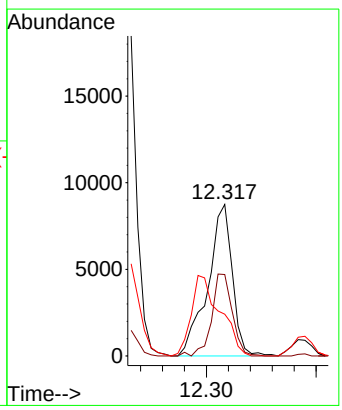
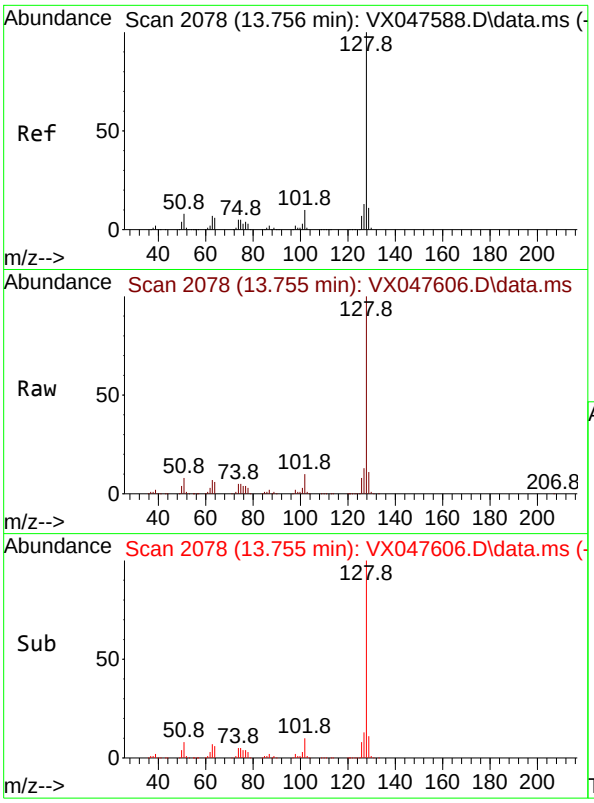


#89
n-Butylbenzene
Concen: 1.537 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion: 91 Resp: 13619

Ion	Ratio	Lower	Upper
91	100		
92	45.2	27.6	82.7
134	0.0	12.6	37.8#

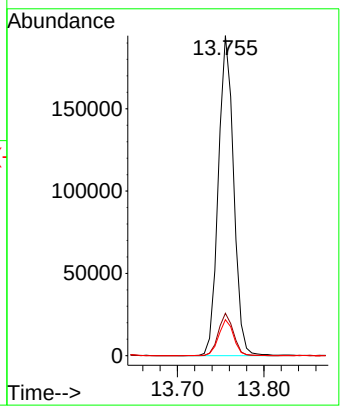




#95
Naphthalene
Concen: 24.454 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047606.D
Acq: 17 Sep 2025 10:57

Tgt Ion:128 Resp: 23875

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
MW1DL

Manual Integrations
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087849.D
Acq On : 16 Sep 2025 15:04
Operator : JC\MD
Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Quant Time: Sep 17 01:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	184438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	413572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	397360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	185379	49.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.120%			
35) Dibromofluoromethane	8.153	113	151424	50.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	10.547	98	526852	47.141	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.280%			
62) 4-Bromofluorobenzene	12.829	95	181702	45.717	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.440%			

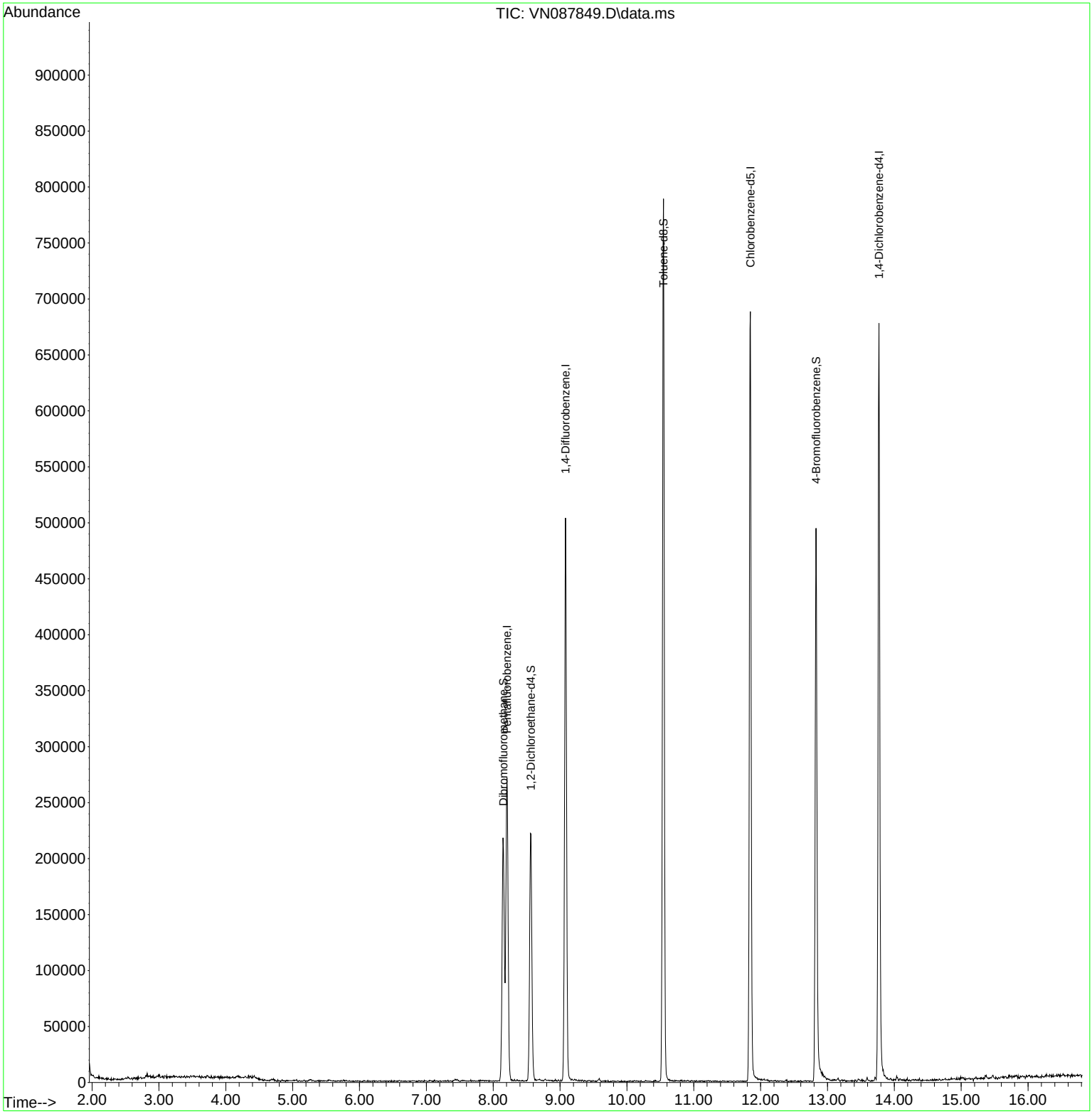
Target Compounds Qvalue

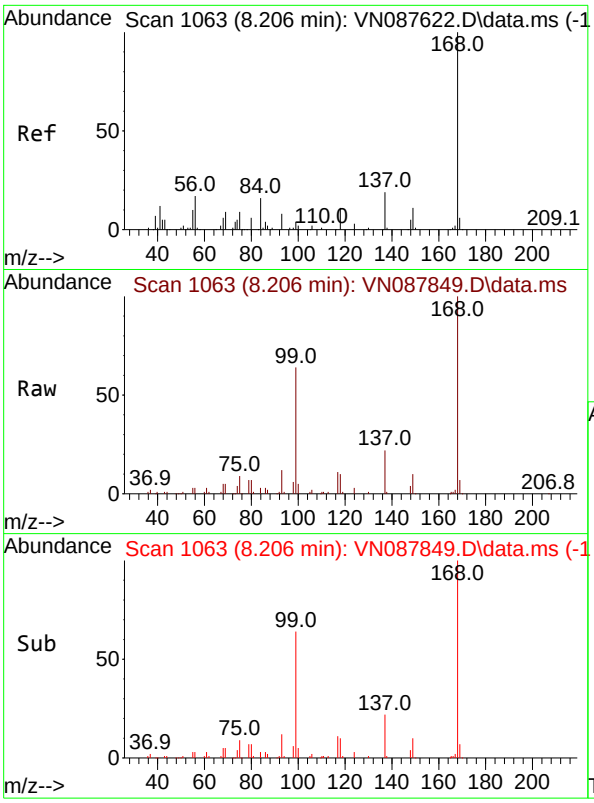
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087849.D
Acq On : 16 Sep 2025 15:04
Operator : JC\MD
Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Quant Time: Sep 17 01:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



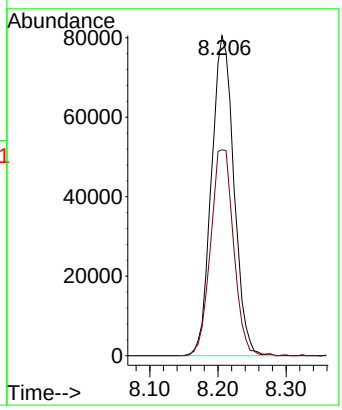


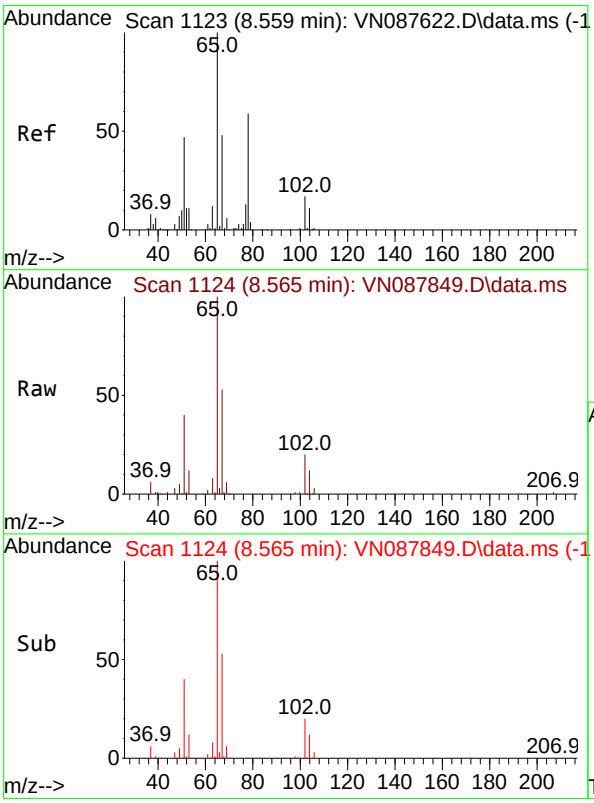
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Tgt Ion:168 Resp: 184438

Ion	Ratio	Lower	Upper
168	100		
99	64.4	57.2	85.8

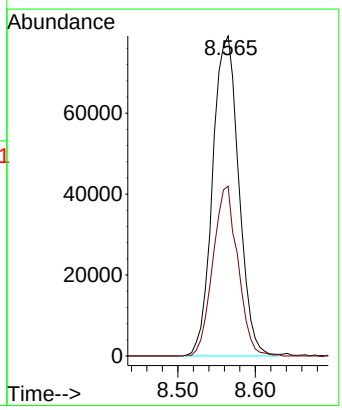


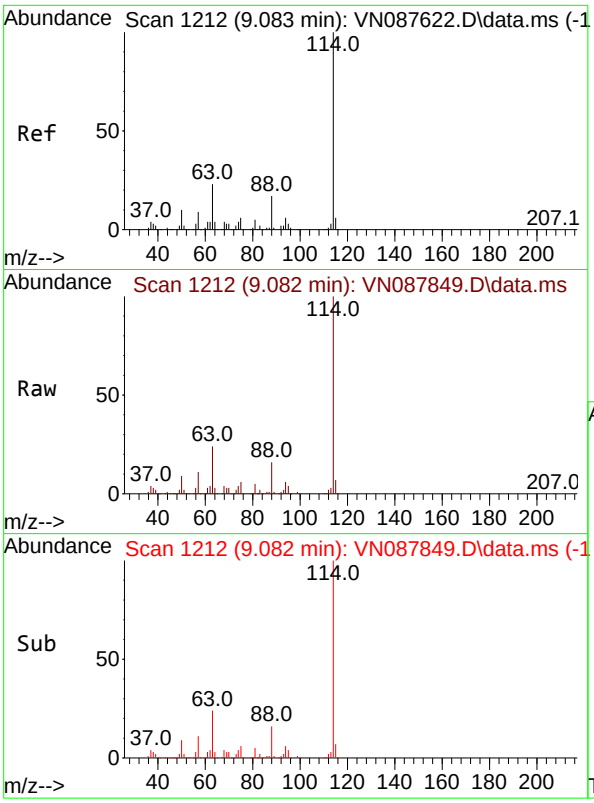


#33
1,2-Dichloroethane-d4
Concen: 49.056 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion: 65 Resp: 185379

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.0



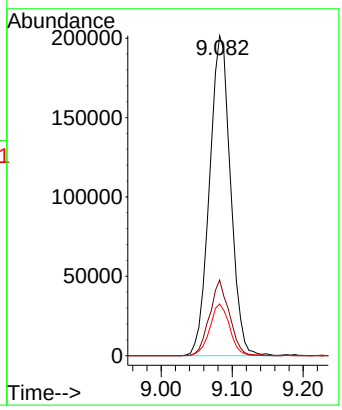


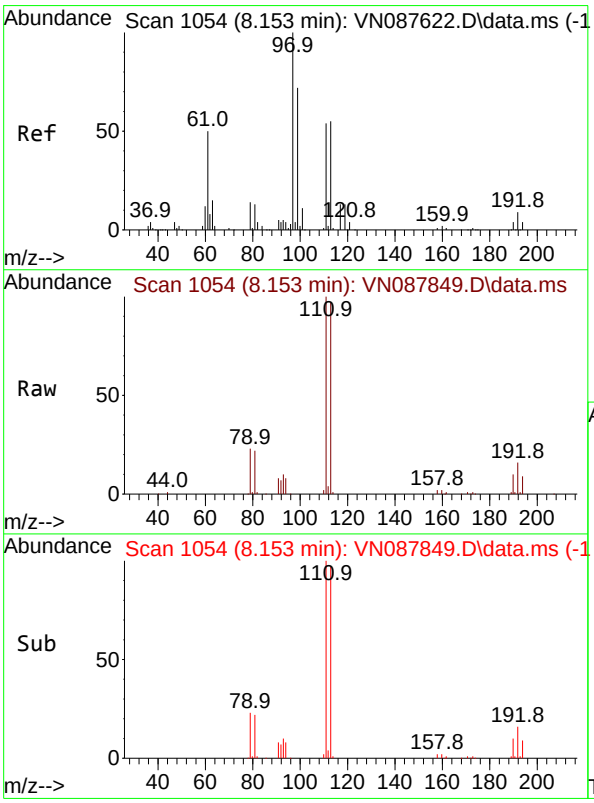
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Tgt Ion:114 Resp: 413572

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	45.2
88	16.1	0.0	33.4

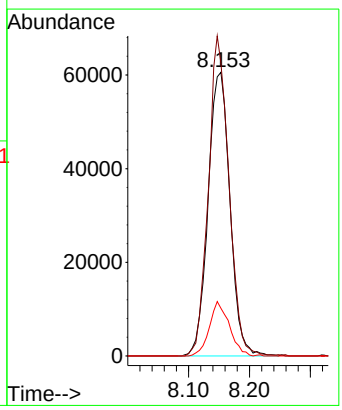


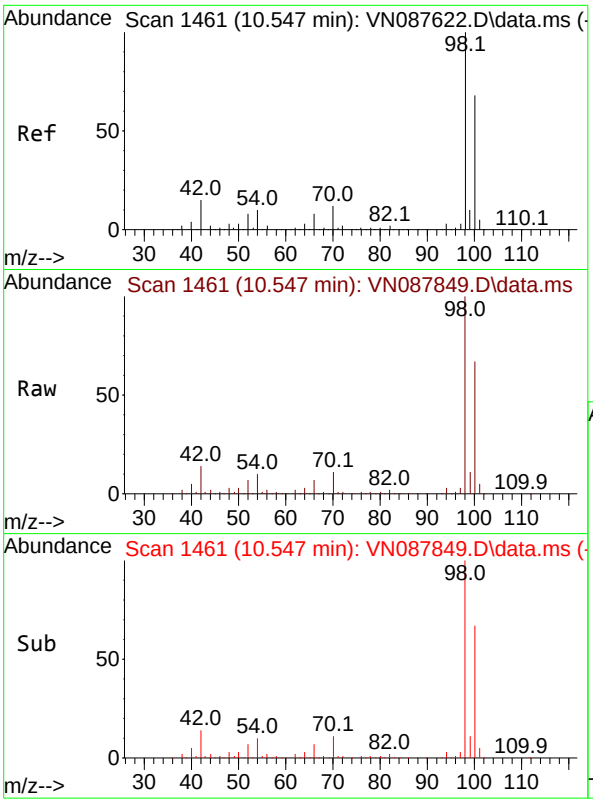


#35
Dibromofluoromethane
Concen: 50.712 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion:113 Resp: 151424

Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.8	124.2
192	17.5	12.8	19.2



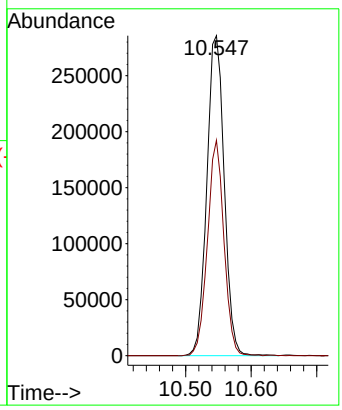


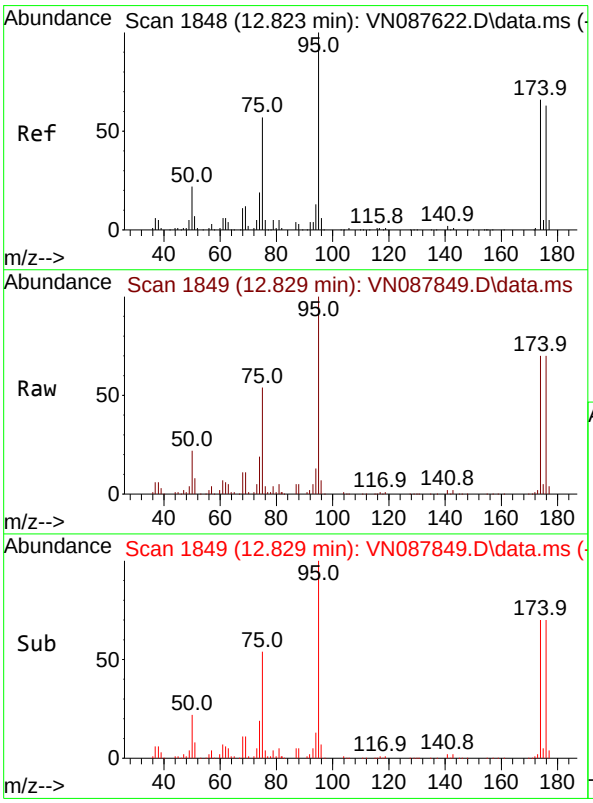
#50
Toluene-d8
Concen: 47.141 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Tgt Ion: 98 Resp: 526852

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.8	79.2

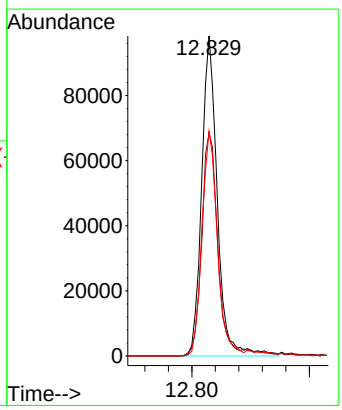


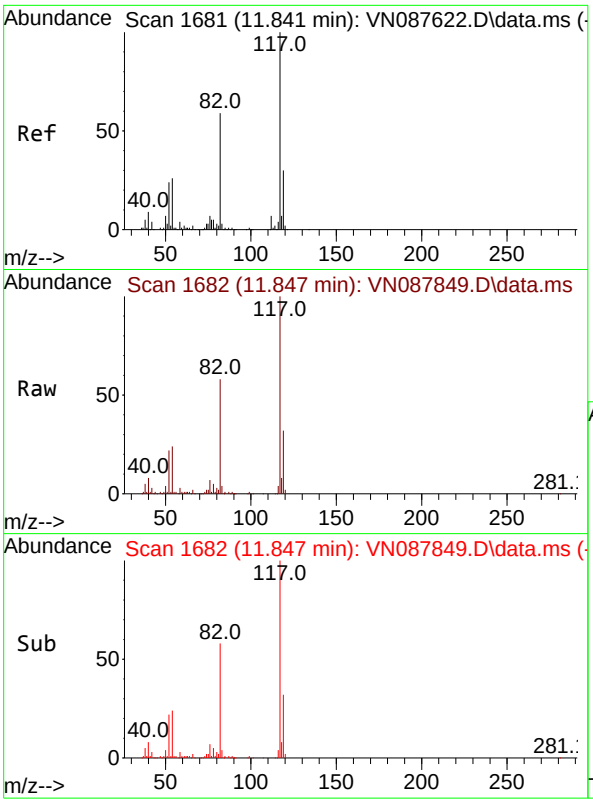


#62
4-Bromofluorobenzene
Concen: 45.717 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion: 95 Resp: 181702

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	138.4
176	69.5	0.0	132.6



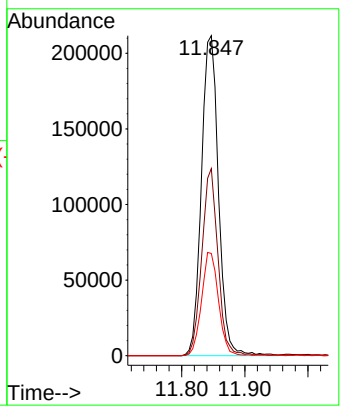


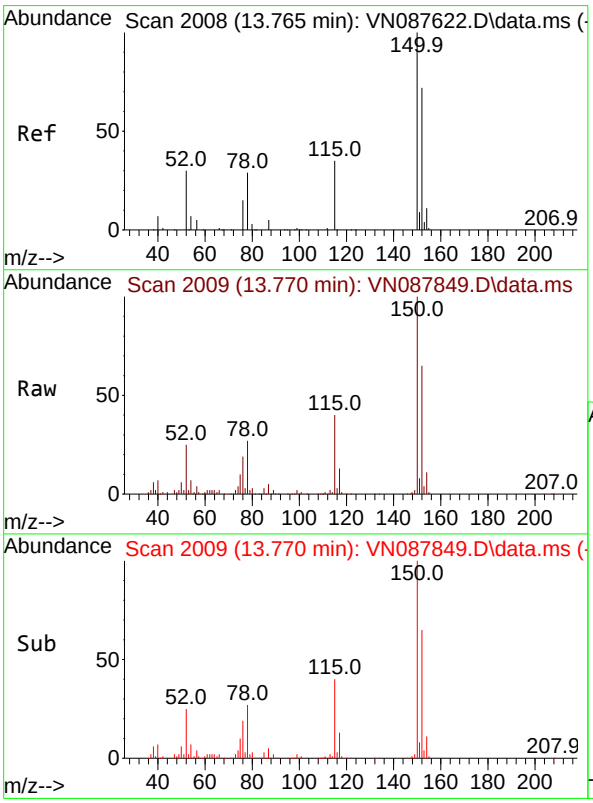
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Tgt Ion:117 Resp: 397360

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.2
119	32.0	24.3	36.5

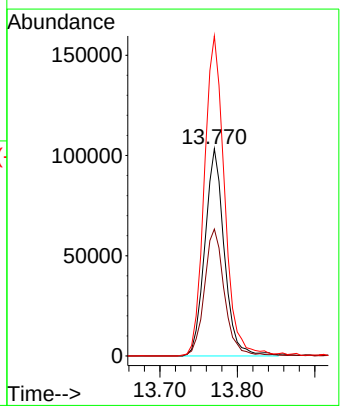




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion:152 Resp: 180365

Ion	Ratio	Lower	Upper
152	100		
115	63.1	32.3	96.8
150	160.4	0.0	351.0



Sample Results: **VN087849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087849.D
Acq On : 16 Sep 2025 15:04
Operator : JC\MD
Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

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\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087849.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	1044	1053	1058	rBV	217286	512837	35.66%	6.825%
2	8.206	1058	1063	1073	rVB	270213	615648	42.81%	8.193%
3	8.559	1113	1123	1134	rBV	221203	516141	35.89%	6.869%
4	9.082	1202	1212	1222	rBV	503112	1018929	70.85%	13.560%
5	10.547	1452	1461	1473	rBV	787892	1438217	100.00%	19.140%
6	11.847	1673	1682	1694	rBV	687777	1276705	88.77%	16.990%
7	12.829	1840	1849	1864	rBV	494300	931268	64.75%	12.393%
8	13.770	2002	2009	2023	rBV	675612	1204512	83.75%	16.030%

Sum of corrected areas: 7514257

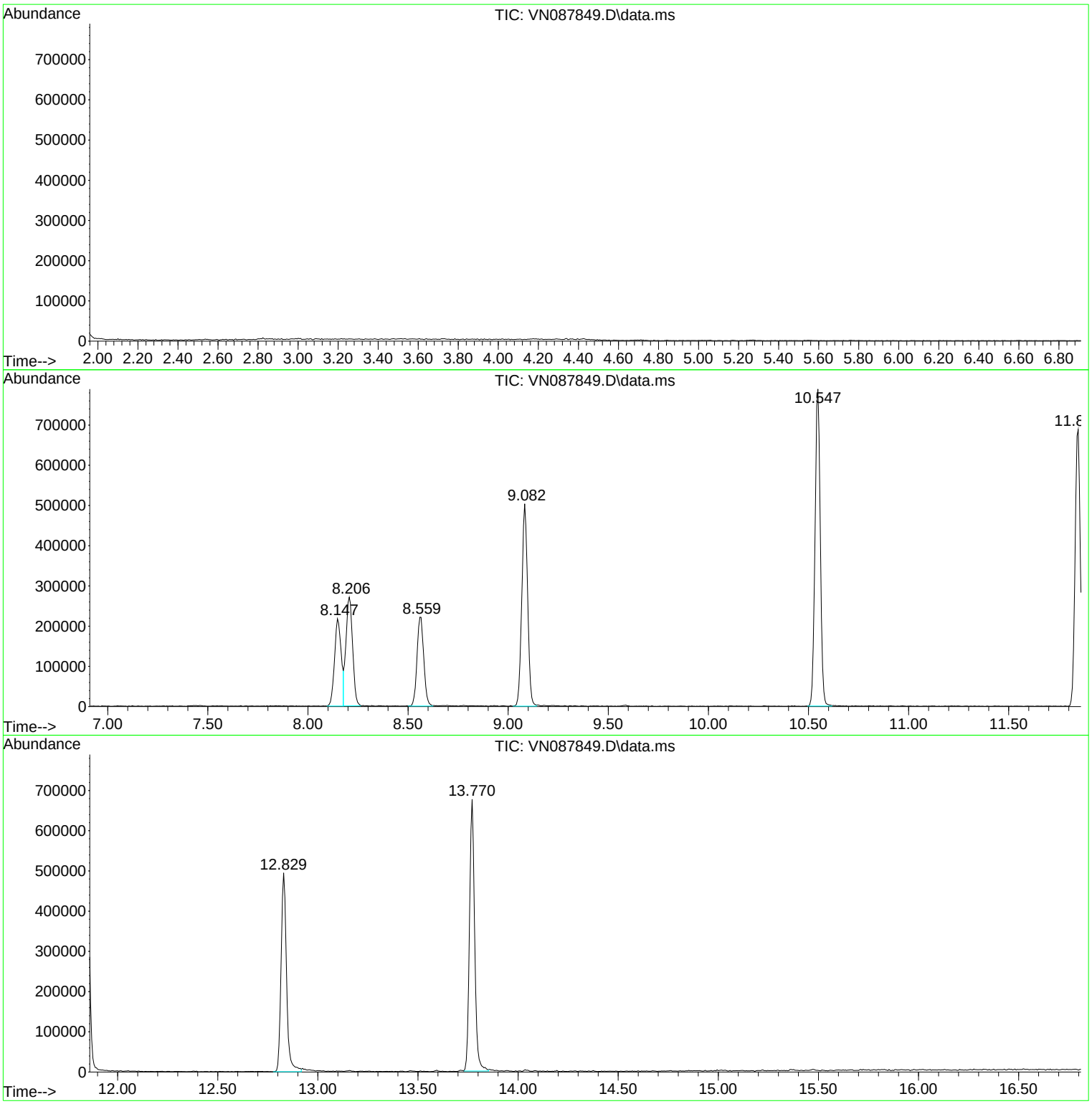
Sample Results: **VN087849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087849.D
Acq On : 16 Sep 2025 15:04
Operator : JC\MD
Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087849.D
Acq On : 16 Sep 2025 15:04
Operator : JC\MD
Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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\VN091625\
Data File : VN087849.D
Acq On : 16 Sep 2025 15:04
Operator : JC\MD
Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Time: Sep 18 01:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	235094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	478397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	460978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	224854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	187947	50.225	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.440%			
35) Dibromofluoromethane	5.373	113	150745	46.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.960%			
50) Toluene-d8	8.635	98	526623	47.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.880%			
62) 4-Bromofluorobenzene	11.061	95	222687	52.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.700%			
Target Compounds						Qvalue

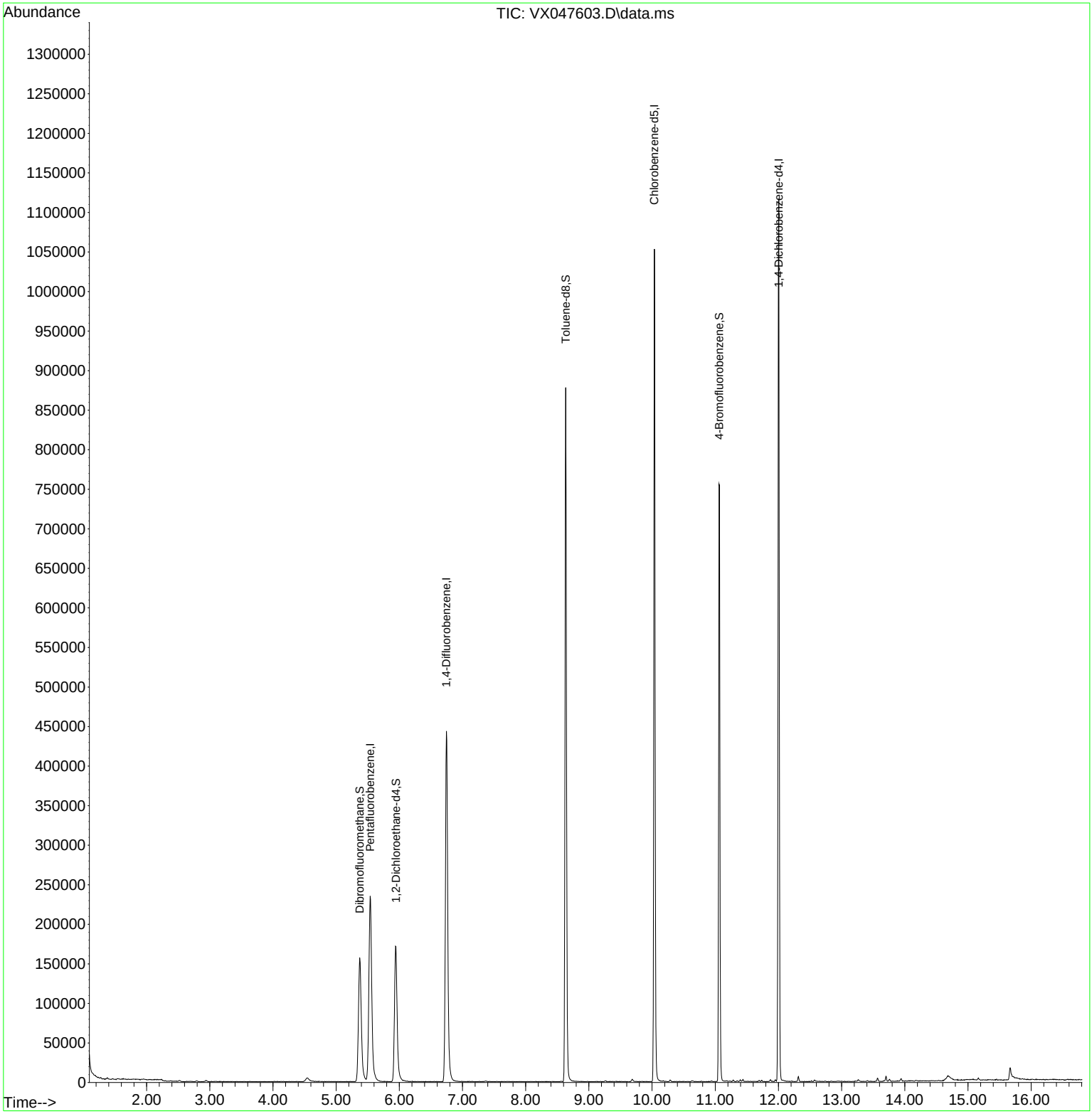
(#) = qualifier out of range (m) = manual integration (+) = signals summed

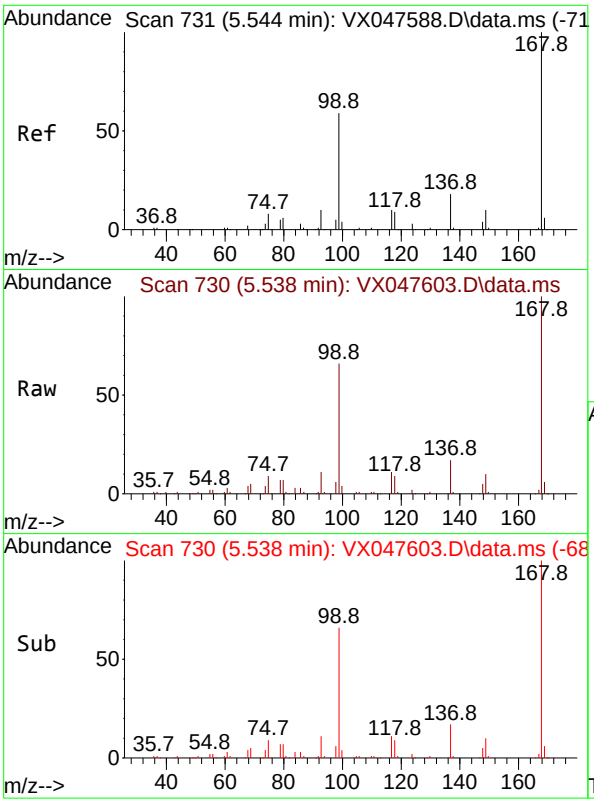
Sample Results: **VX047603.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Time: Sep 18 01:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



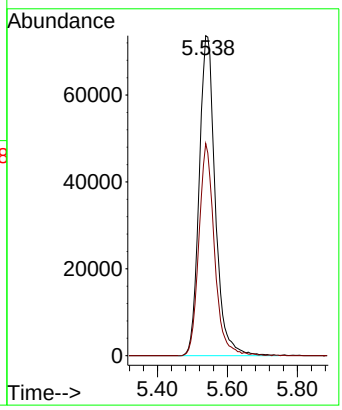


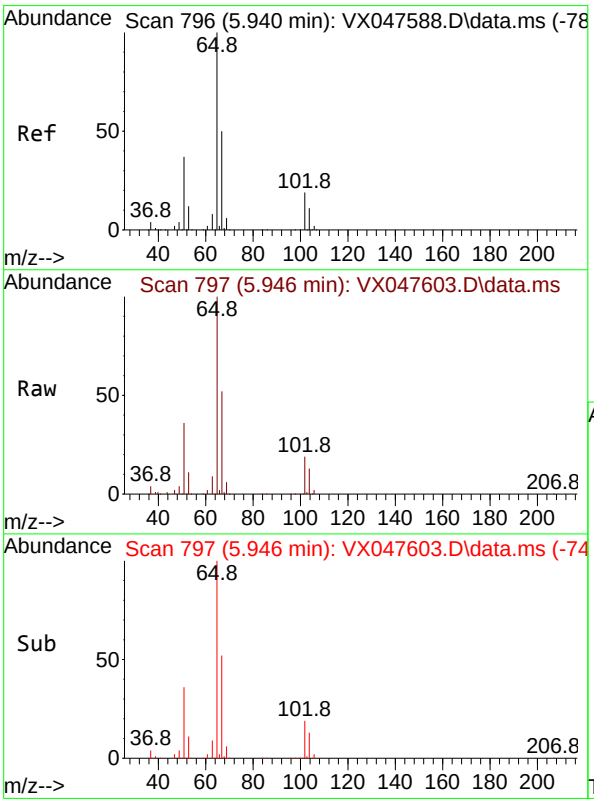
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion:168 Resp: 235094

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.8	73.2

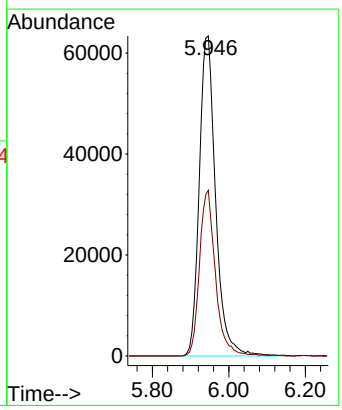


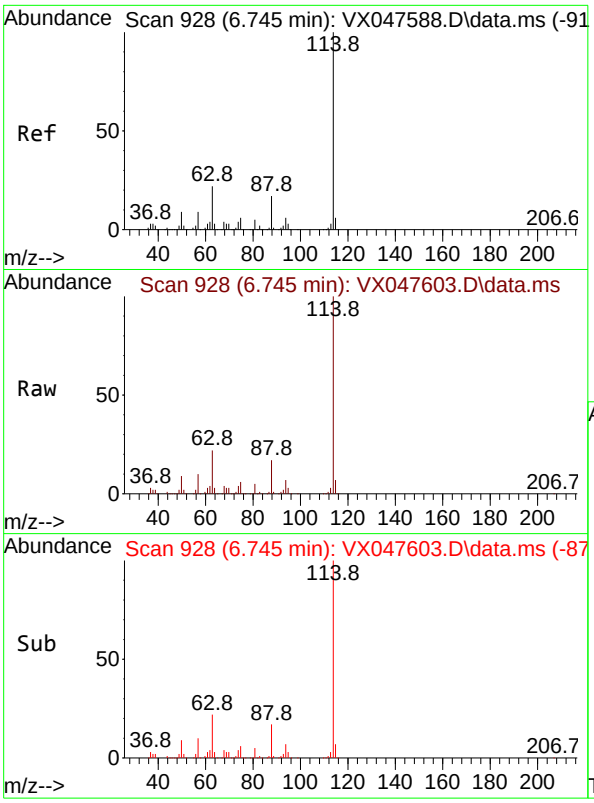


#33
1,2-Dichloroethane-d4
Concen: 50.225 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion: 65 Resp: 187947

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.0



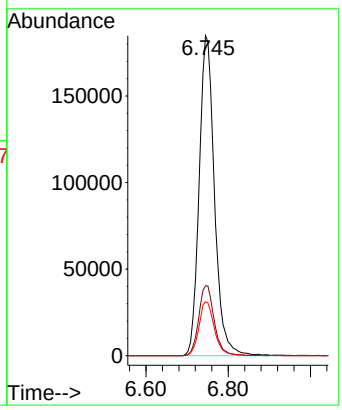


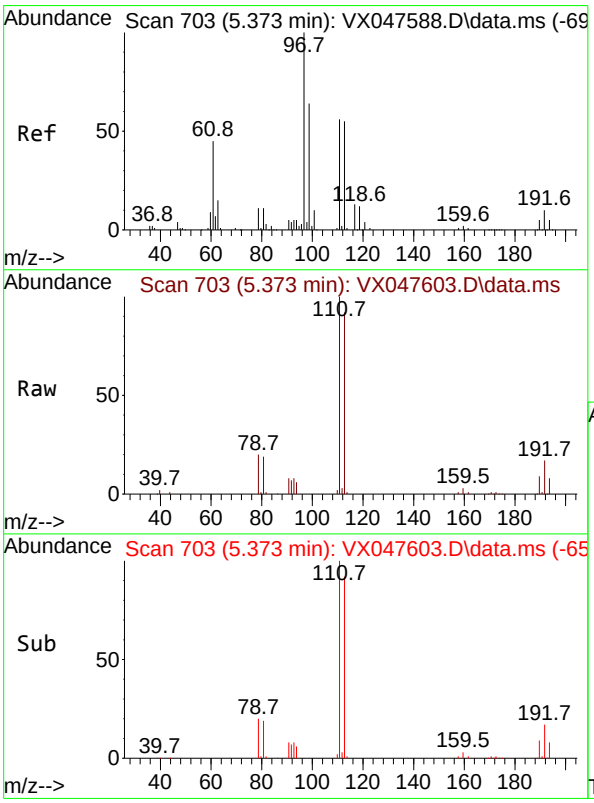
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion:114 Resp: 478397

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.8	0.0	34.2

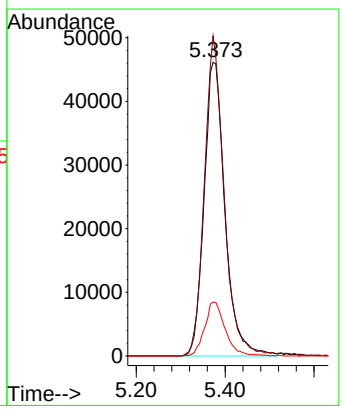


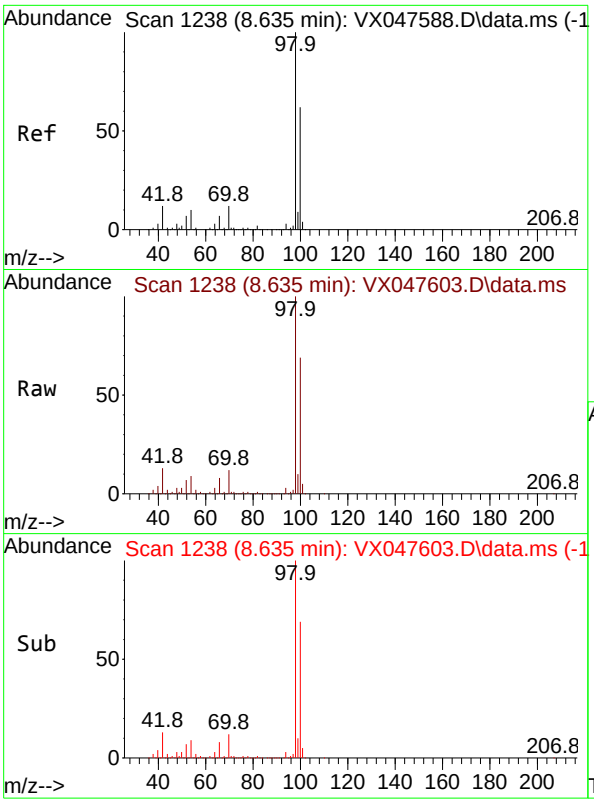


#35
Dibromofluoromethane
Concen: 46.985 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion:113 Resp: 150745

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.9	121.3
192	18.2	14.2	21.4



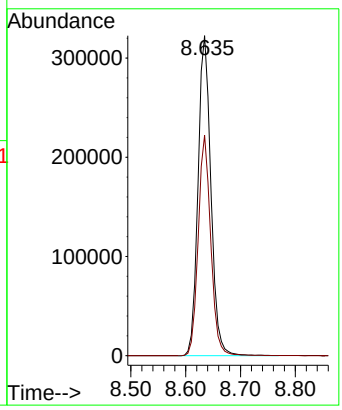


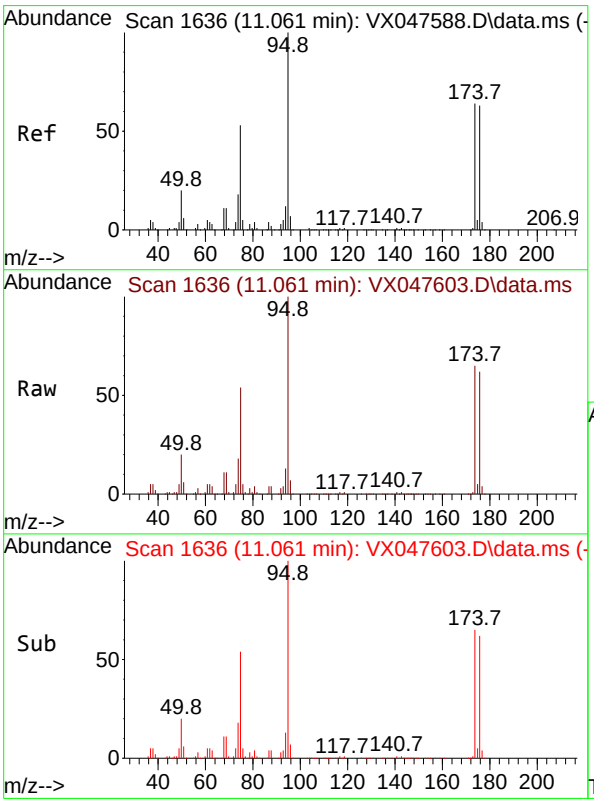
#50
Toluene-d8
Concen: 47.436 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion: 98 Resp: 526623

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

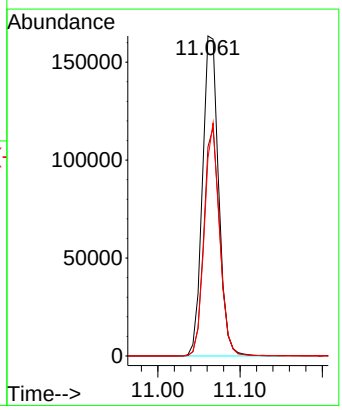


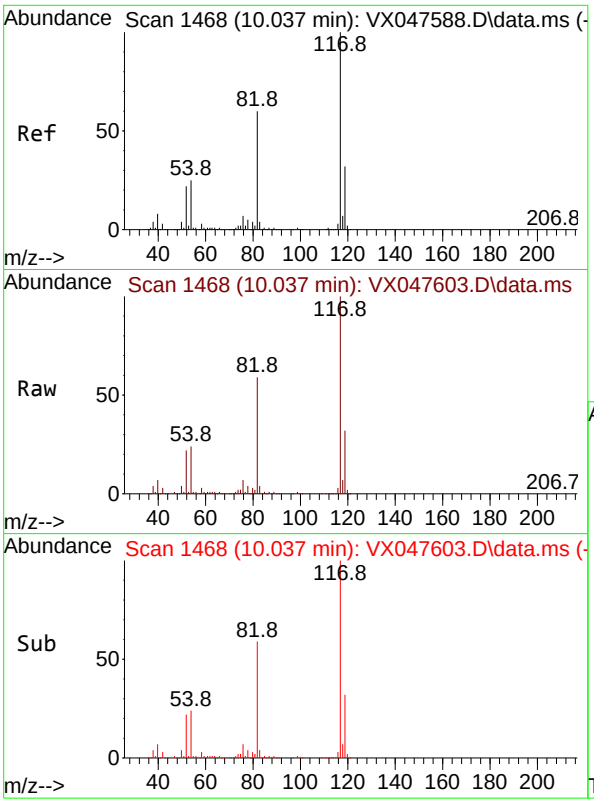


#62
4-Bromofluorobenzene
Concen: 52.854 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion: 95 Resp: 222687

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	141.6
176	68.4	0.0	138.4



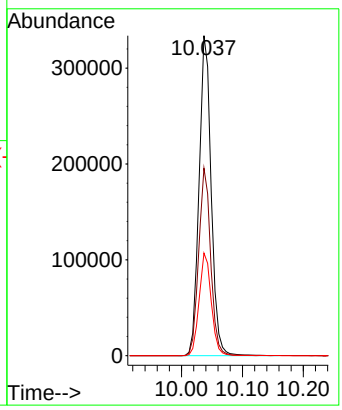


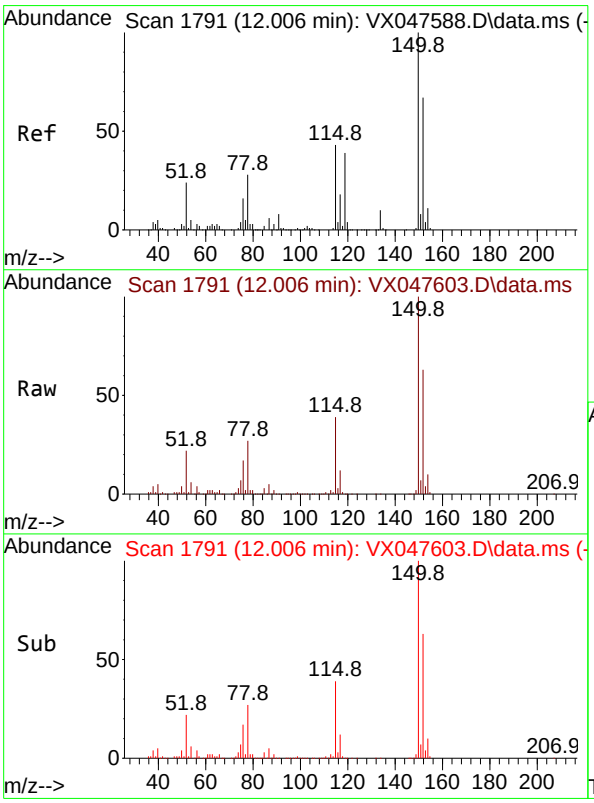
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion:117 Resp: 460978

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	32.1	25.2	37.8

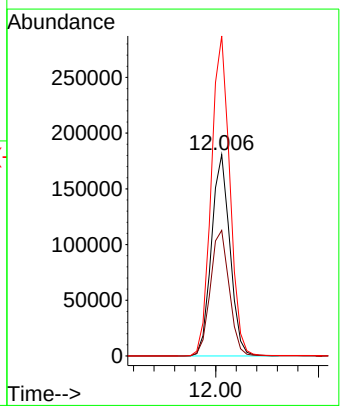




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion:152 Resp: 224854

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.9	134.5
150	159.6	0.0	352.0



Sample Results: **VX047603.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

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_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047603.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.538	555	566	579	rBV2	4713	18890	1.30%	0.228%
2	5.373	691	703	719	rBV3	156613	495917	34.01%	5.978%
3	5.538	719	730	753	rVB2	233737	727627	49.91%	8.772%
4	5.940	786	796	815	rBV	171154	501344	34.39%	6.044%
5	6.745	918	928	947	rBV	443259	1147311	78.69%	13.831%
6	8.635	1231	1238	1257	rBV	877366	1432625	98.26%	17.271%
7	10.037	1462	1468	1484	rBV	1052317	1457943	100.00%	17.576%
8	11.061	1631	1636	1651	rBV	755275	1039563	71.30%	12.532%
9	12.006	1785	1791	1800	rBV	1115680	1437798	98.62%	17.333%
10	15.670	2386	2392	2400	rBV2	15225	36110	2.48%	0.435%

Sum of corrected areas: 8295128

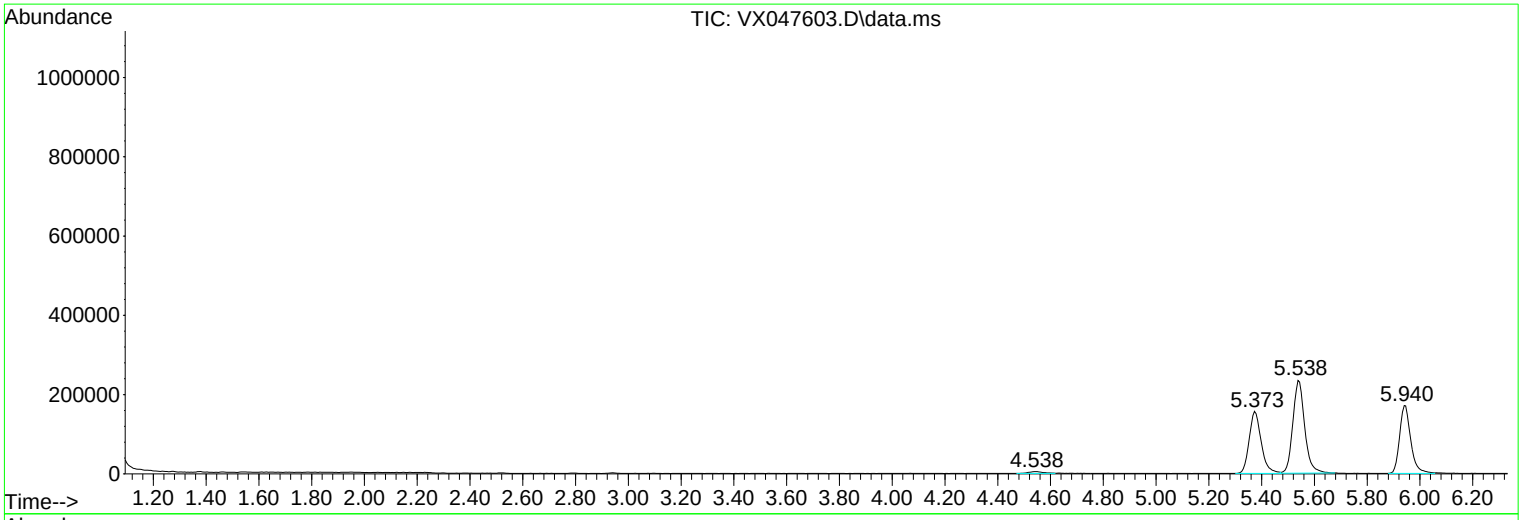
Sample Results: **VX047603.D**

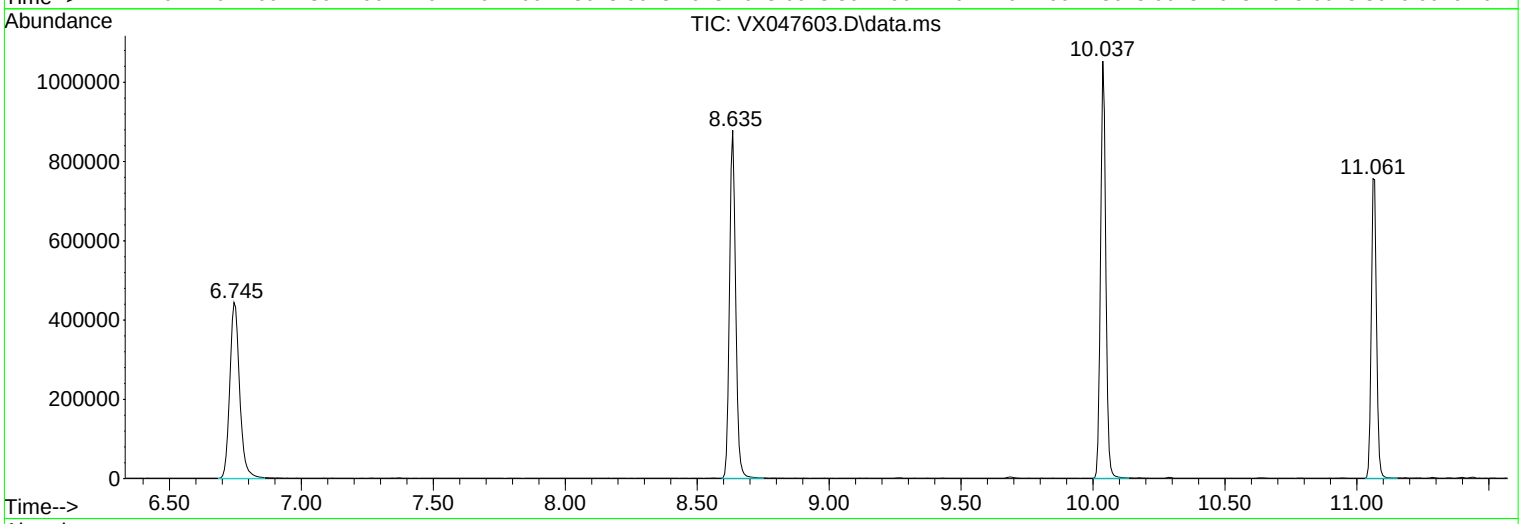
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

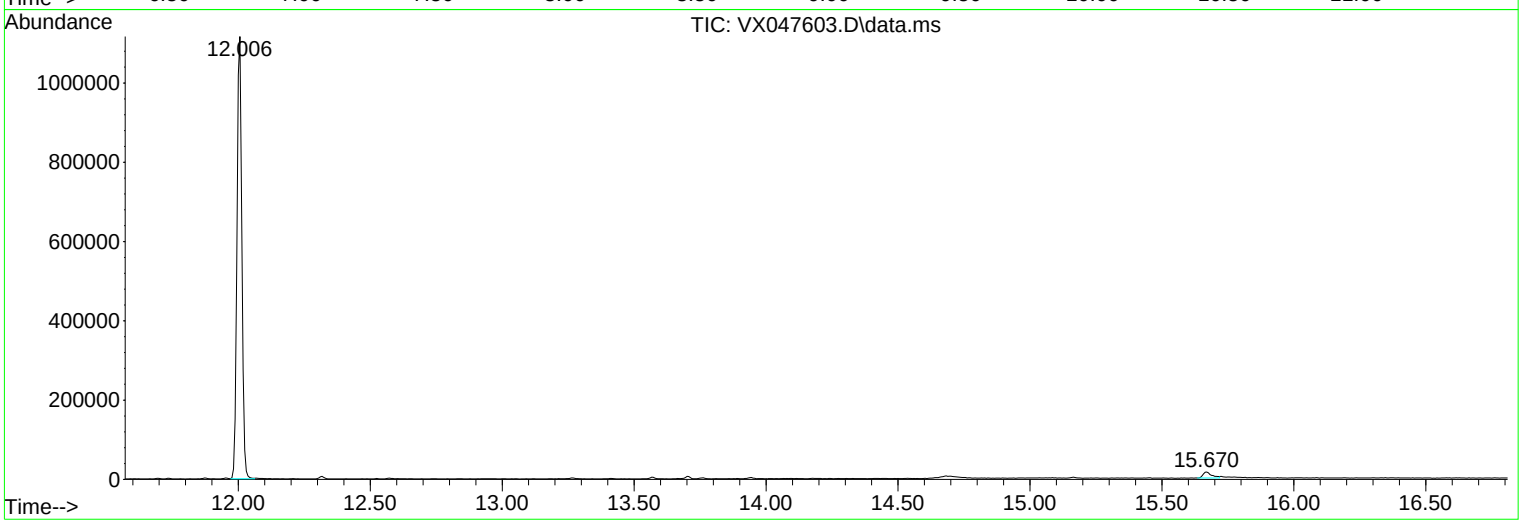
Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX047603.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VN091625\
Data File : VN087850.D
Acq On : 16 Sep 2025 15:25
Operator : JC\MD
Sample : VN0916WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	212441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	416535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	384629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	191875	44.082	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.160%		
35) Dibromofluoromethane	8.153	113	142797	47.482	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.960%		
50) Toluene-d8	10.547	98	506575	45.005	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.000%		
62) 4-Bromofluorobenzene	12.829	95	187364	46.806	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	55904	18.528	ug/l	97
3) Chloromethane	2.383	50	59012	19.032	ug/l	97
4) Vinyl Chloride	2.536	62	64459	17.929	ug/l	98
5) Bromomethane	2.977	94	36769	19.821	ug/l	92
6) Chloroethane	3.142	64	45770	18.113	ug/l	94
7) Trichlorofluoromethane	3.506	101	102174	19.398	ug/l	97
8) Diethyl Ether	3.959	74	40276	17.557	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	54564	18.307	ug/l	96
10) Methyl Iodide	4.583	142	30221	18.530	ug/l #	95
11) Tert butyl alcohol	5.530	59	68041	90.044	ug/l	99
12) 1,1-Dichloroethene	4.342	96	55667	18.175	ug/l	85
13) Acrolein	4.183	56	67595	72.764	ug/l	93
14) Allyl chloride	5.012	41	87373	15.742	ug/l	93
15) Acrylonitrile	5.706	53	198074	92.945	ug/l	98
16) Acetone	4.424	43	179741	75.857	ug/l	97
17) Carbon Disulfide	4.706	76	163482	19.388	ug/l	97
18) Methyl Acetate	5.012	43	97217	19.596	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	206909	18.008	ug/l	96
20) Methylene Chloride	5.265	84	68413	19.197	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	60716	18.291	ug/l	93
22) Diisopropyl ether	6.653	45	208232	17.385	ug/l	95
23) Vinyl Acetate	6.594	43	952603	87.417	ug/l	100
24) 1,1-Dichloroethane	6.553	63	118103	17.984	ug/l	95
25) 2-Butanone	7.471	43	271281	87.024	ug/l	98
26) 2,2-Dichloropropane	7.477	77	96026	17.036	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	77168	19.446	ug/l	93
28) Bromochloromethane	7.794	49	56730	17.868	ug/l	93
29) Tetrahydrofuran	7.830	42	177067	88.261	ug/l	98
30) Chloroform	7.947	83	126732	18.906	ug/l	99
31) Cyclohexane	8.235	56	96759	17.673	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	106285	18.710	ug/l	96
36) 1,1-Dichloropropene	8.353	75	81154	17.590	ug/l	96
37) Ethyl Acetate	7.553	43	109179	17.318	ug/l	99
38) Carbon Tetrachloride	8.347	117	87614	19.234	ug/l	94
39) Methylcyclohexane	9.582	83	88595	17.442	ug/l	94
40) Benzene	8.588	78	269680	19.058	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087850.D
Acq On : 16 Sep 2025 15:25
Operator : JC\MD
Sample : VN0916WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	54678	16.743	ug/l		92
42) 1,2-Dichloroethane	8.653	62	98286	18.074	ug/l		100
43) Isopropyl Acetate	8.677	43	174715	17.750	ug/l		98
44) Trichloroethene	9.335	130	60956	18.867	ug/l		93
45) 1,2-Dichloropropane	9.606	63	68739	18.429	ug/l		100
46) Dibromomethane	9.688	93	49768	18.750	ug/l		94
47) Bromodichloromethane	9.871	83	103785	19.078	ug/l	#	95
48) Methyl methacrylate	9.665	41	78208	16.798	ug/l		97
49) 1,4-Dioxane	9.682	88	22511	373.036	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.423	43	551309	92.834	ug/l		100
52) Toluene	10.612	92	163565	18.645	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	100551	17.857	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	109621	18.749	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	65951	19.433	ug/l		98
56) Ethyl methacrylate	10.853	69	95504	17.609	ug/l		96
57) 1,3-Dichloropropane	11.141	76	114165	19.008	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	260397	88.706	ug/l		98
59) 2-Hexanone	11.176	43	338058	90.071	ug/l		98
60) Dibromochloromethane	11.335	129	74413	18.924	ug/l		99
61) 1,2-Dibromoethane	11.447	107	67826	18.954	ug/l		97
64) Tetrachloroethene	11.082	164	51220	19.194	ug/l		92
65) Chlorobenzene	11.870	112	183474	19.174	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.941	131	64982	20.455	ug/l		99
67) Ethyl Benzene	11.941	91	301786	18.215	ug/l		99
68) m/p-Xylenes	12.053	106	228624	37.626	ug/l		97
69) o-Xylene	12.376	106	111964	18.803	ug/l		95
70) Styrene	12.388	104	187752	18.820	ug/l		98
71) Bromoform	12.559	173	51182	21.008	ug/l	#	95
73) Isopropylbenzene	12.670	105	283155	16.667	ug/l		99
74) N-amyl acetate	12.676	43	116357m	18.073	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	102369	17.502	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	86649m	17.575	ug/l		
77) Bromobenzene	12.959	156	71443	17.836	ug/l		93
78) n-propylbenzene	13.012	91	357472	17.083	ug/l		99
79) 2-Chlorotoluene	13.100	91	213896	16.985	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	240227	16.669	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	28031	15.052	ug/l		84
82) 4-Chlorotoluene	13.200	91	219802	16.601	ug/l		94
83) tert-Butylbenzene	13.412	119	204658	17.041	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	249090	17.265	ug/l		99
85) sec-Butylbenzene	13.594	105	306232	17.183	ug/l		99
86) p-Isopropyltoluene	13.706	119	248091	16.858	ug/l		98
87) 1,3-Dichlorobenzene	13.711	146	141726	17.967	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	149128	18.166	ug/l		99
89) n-Butylbenzene	14.035	91	239567	16.391	ug/l		100
90) Hexachloroethane	14.306	117	50166	17.892	ug/l		92
91) 1,2-Dichlorobenzene	14.082	146	134043	17.912	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22750	16.373	ug/l		94
93) 1,2,4-Trichlorobenzene	15.370	180	80915	18.006	ug/l		100
94) Hexachlorobutadiene	15.470	225	30415	18.985	ug/l		96
95) Naphthalene	15.611	128	259960	16.332	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	78003	17.755	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087850.D
Acq On : 16 Sep 2025 15:25
Operator : JC\MD
Sample : VN0916WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

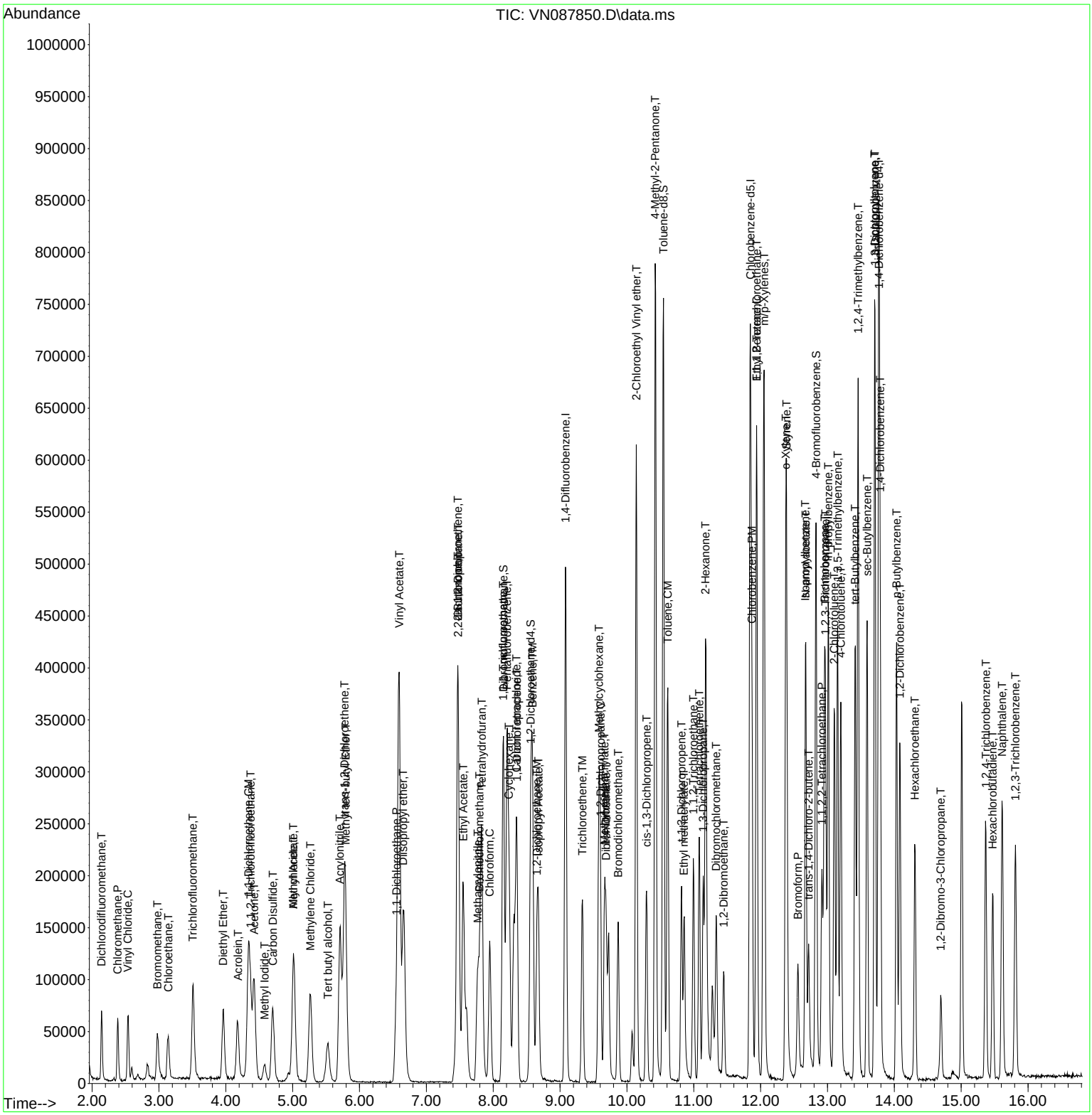
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087850.D
Acq On : 16 Sep 2025 15:25
Operator : JC\MD
Sample : VN0916WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	195658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	351376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	157383	50.534	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.060%			
35) Dibromofluoromethane	5.367	113	119877	50.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.628	98	419954	51.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.000%			
62) 4-Bromofluorobenzene	11.061	95	158932	51.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	32239	15.912	ug/l	97
3) Chloromethane	1.301	50	42550	15.979	ug/l	96
4) Vinyl Chloride	1.380	62	44079	16.911	ug/l	98
5) Bromomethane	1.618	94	29960	18.126	ug/l	99
6) Chloroethane	1.697	64	29979	17.208	ug/l	98
7) Trichlorofluoromethane	1.898	101	66259	17.120	ug/l	99
8) Diethyl Ether	2.136	74	27866	17.601	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	39906	17.634	ug/l	98
10) Methyl Iodide	2.453	142	54828	15.534	ug/l	98
11) Tert butyl alcohol	2.934	59	28628	82.535	ug/l	99
12) 1,1-Dichloroethene	2.325	96	39679	17.069	ug/l	94
13) Acrolein	2.233	56	33545	104.947	ug/l	99
14) Allyl chloride	2.666	41	80667	16.816	ug/l	99
15) Acrylonitrile	3.056	53	112971	87.930	ug/l	100
16) Acetone	2.373	43	99959	73.817	ug/l	99
17) Carbon Disulfide	2.514	76	101664	15.975	ug/l	98
18) Methyl Acetate	2.697	43	57770	19.170	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	148899	17.547	ug/l	98
20) Methylene Chloride	2.788	84	48530	16.931	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	42497	16.980	ug/l	98
22) Diisopropyl ether	3.745	45	166210	17.879	ug/l	85
23) Vinyl Acetate	3.709	43	641507	86.219	ug/l	100
24) 1,1-Dichloroethane	3.605	63	87109	17.629	ug/l	98
25) 2-Butanone	4.538	43	141866	83.988	ug/l	99
26) 2,2-Dichloropropane	4.465	77	71454	17.396	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	53833	17.564	ug/l	99
28) Bromochloromethane	4.885	49	46513	21.562	ug/l	100
29) Tetrahydrofuran	4.989	42	86598	85.223	ug/l	99
30) Chloroform	5.080	83	90053	18.035	ug/l	95
31) Cyclohexane	5.458	56	71454	17.363	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	75940	17.930	ug/l	99
36) 1,1-Dichloropropene	5.684	75	57894	16.813	ug/l	97
37) Ethyl Acetate	4.696	43	60533	16.418	ug/l	98
38) Carbon Tetrachloride	5.660	117	63765	17.043	ug/l	98
39) Methylcyclohexane	7.367	83	67230	17.200	ug/l	97
40) Benzene	6.019	78	181057	17.312	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	33000	17.337	ug/l		99
42) 1,2-Dichloroethane	6.068	62	69587	17.487	ug/l		98
43) Isopropyl Acetate	6.318	43	105168	17.392	ug/l		100
44) Trichloroethene	7.110	130	43841	17.339	ug/l		90
45) 1,2-Dichloropropane	7.409	63	46912	17.517	ug/l		99
46) Dibromomethane	7.562	93	34149	17.523	ug/l		99
47) Bromodichloromethane	7.805	83	70468	17.523	ug/l		99
48) Methyl methacrylate	7.677	41	51615	17.137	ug/l		99
49) 1,4-Dioxane	7.647	88	10148	333.385	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.555	43	294879	87.955	ug/l		100
52) Toluene	8.702	92	113060	17.546	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	71016	17.313	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	77501	17.677	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	43269	17.415	ug/l		99
56) Ethyl methacrylate	9.098	69	68509	17.558	ug/l		98
57) 1,3-Dichloropropane	9.293	76	76049	17.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	149215	87.394	ug/l		99
59) 2-Hexanone	9.415	43	206700	85.844	ug/l		99
60) Dibromochloromethane	9.506	129	49688	17.356	ug/l		94
61) 1,2-Dibromoethane	9.592	107	44915	17.748	ug/l		98
64) Tetrachloroethene	9.256	164	34798	17.139	ug/l		94
65) Chlorobenzene	10.061	112	124126	17.543	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.147	131	43641	17.874	ug/l		99
67) Ethyl Benzene	10.177	91	215918	17.686	ug/l		99
68) m/p-Xylenes	10.287	106	162720	35.810	ug/l		100
69) o-Xylene	10.622	106	79115	18.001	ug/l		98
70) Styrene	10.640	104	137562	17.863	ug/l		99
71) Bromoform	10.781	173	31997	17.551	ug/l	#	99
73) Isopropylbenzene	10.945	105	204217	17.719	ug/l		100
74) N-amyl acetate	10.829	43	90344	17.190	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	60939	17.476	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	47337m	15.423	ug/l		
77) Bromobenzene	11.183	156	49084	17.292	ug/l		99
78) n-propylbenzene	11.287	91	244439	17.941	ug/l		99
79) 2-Chlorotoluene	11.348	91	147920	17.727	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	166236	17.556	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	18928	15.726	ug/l		96
82) 4-Chlorotoluene	11.439	91	174598	17.716	ug/l		100
83) tert-Butylbenzene	11.695	119	170426	17.582	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	170162	17.725	ug/l		99
85) sec-Butylbenzene	11.872	105	205317	17.833	ug/l		99
86) p-Isopropyltoluene	11.994	119	173347	17.784	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	93375	17.710	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	94074	17.385	ug/l		99
89) n-Butylbenzene	12.317	91	162215	17.985	ug/l		98
90) Hexachloroethane	12.518	117	29907	17.476	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	89095	17.737	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	11373	16.110	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	56956	17.447	ug/l		99
94) Hexachlorobutadiene	13.707	225	19147	17.267	ug/l		98
95) Naphthalene	13.756	128	167962	16.896	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	53040	17.466	ug/l		99

Sample Results: **VX047604.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

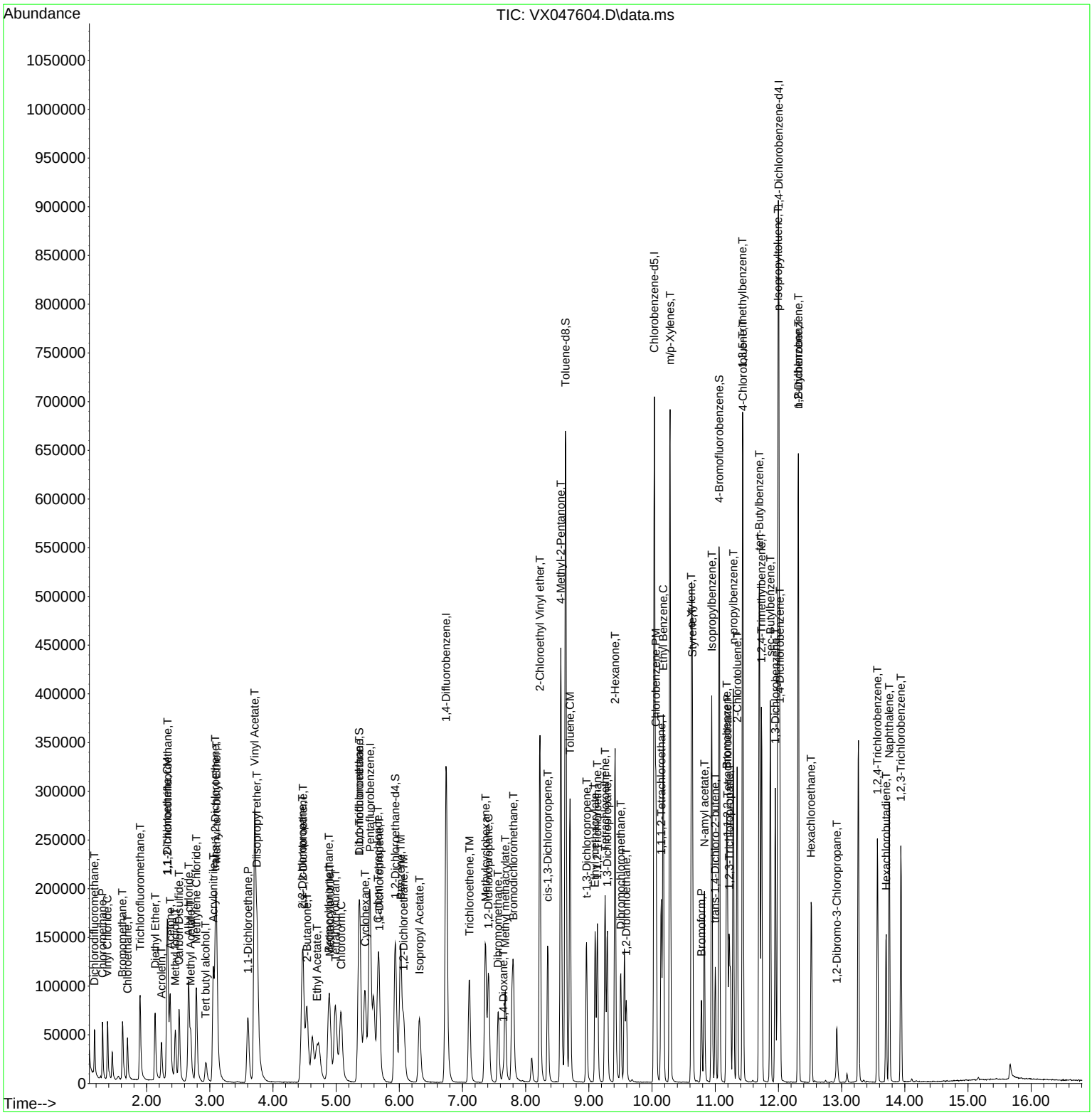
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087851.D
Acq On : 16 Sep 2025 15:46
Operator : JC\MD
Sample : VN0916WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	229272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	433869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	392898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	209579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204194	43.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.940%			
35) Dibromofluoromethane	8.147	113	152219	48.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	10.547	98	534604	45.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.200%			
62) 4-Bromofluorobenzene	12.829	95	193287	46.356	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	61714	18.952	ug/l	99
3) Chloromethane	2.383	50	61485	18.373	ug/l	96
4) Vinyl Chloride	2.536	62	71328	18.383	ug/l	90
5) Bromomethane	2.983	94	39000	19.480	ug/l	87
6) Chloroethane	3.136	64	46084	16.899	ug/l	94
7) Trichlorofluoromethane	3.512	101	111716	19.652	ug/l	96
8) Diethyl Ether	3.959	74	40444	16.336	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	59552	18.514	ug/l	97
10) Methyl Iodide	4.577	142	35235	19.471	ug/l	97
11) Tert butyl alcohol	5.524	59	75759	92.898	ug/l	95
12) 1,1-Dichloroethene	4.330	96	58163	17.596	ug/l	90
13) Acrolein	4.177	56	74339	74.149	ug/l	100
14) Allyl chloride	5.012	41	90094	15.040	ug/l	93
15) Acrylonitrile	5.706	53	204541	88.934	ug/l	97
16) Acetone	4.424	43	183819	71.883	ug/l	96
17) Carbon Disulfide	4.706	76	170001	18.681	ug/l	100
18) Methyl Acetate	5.018	43	99443	18.573	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	210306	16.960	ug/l	98
20) Methylene Chloride	5.265	84	70838	18.366	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	63180	17.636	ug/l	90
22) Diisopropyl ether	6.659	45	220735	17.076	ug/l	95
23) Vinyl Acetate	6.589	43	882321	75.024	ug/l	99
24) 1,1-Dichloroethane	6.553	63	123788	17.466	ug/l	97
25) 2-Butanone	7.471	43	283126	84.156	ug/l	100
26) 2,2-Dichloropropane	7.471	77	101171	16.632	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	77871	18.182	ug/l	98
28) Bromochloromethane	7.794	49	59450	17.350	ug/l	90
29) Tetrahydrofuran	7.824	42	179559	82.933	ug/l	97
30) Chloroform	7.947	83	129921	17.959	ug/l	98
31) Cyclohexane	8.236	56	107126	18.131	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	110851	18.081	ug/l	98
36) 1,1-Dichloropropene	8.353	75	86206	17.938	ug/l	98
37) Ethyl Acetate	7.542	43	108447	16.514	ug/l #	94
38) Carbon Tetrachloride	8.341	117	93570	19.721	ug/l	91
39) Methylcyclohexane	9.583	83	97980	18.519	ug/l	96
40) Benzene	8.588	78	278225	18.876	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087851.D
Acq On : 16 Sep 2025 15:46
Operator : JC\MD
Sample : VN0916WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	59964	17.628	ug/l		98
42) 1,2-Dichloroethane	8.653	62	101742	17.962	ug/l		99
43) Isopropyl Acetate	8.677	43	179617	17.519	ug/l		97
44) Trichloroethene	9.335	130	66656	19.807	ug/l		97
45) 1,2-Dichloropropane	9.606	63	71366	18.369	ug/l		97
46) Dibromomethane	9.688	93	53658	19.408	ug/l		96
47) Bromodichloromethane	9.871	83	108569	19.160	ug/l	#	94
48) Methyl methacrylate	9.665	41	82168	16.943	ug/l		98
49) 1,4-Dioxane	9.677	88	21945	349.128	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.424	43	569808	92.115	ug/l		100
52) Toluene	10.612	92	170728	18.684	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	107103	18.261	ug/l		95
54) cis-1,3-Dichloropropene	10.294	75	108830	17.870	ug/l		98
55) 1,1,2-Trichloroethane	11.000	97	71066	20.104	ug/l		92
56) Ethyl methacrylate	10.859	69	100359	17.765	ug/l		98
57) 1,3-Dichloropropane	11.141	76	119059	19.031	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.141	63	263312	86.115	ug/l		96
59) 2-Hexanone	11.177	43	349848	89.488	ug/l		99
60) Dibromochloromethane	11.335	129	78365	19.133	ug/l		100
61) 1,2-Dibromoethane	11.447	107	69424	18.625	ug/l		96
64) Tetrachloroethene	11.082	164	53603	19.664	ug/l		93
65) Chlorobenzene	11.871	112	185603	18.988	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65603	20.216	ug/l		99
67) Ethyl Benzene	11.941	91	316873	18.723	ug/l		98
68) m/p-Xylenes	12.047	106	243049	39.158	ug/l		96
69) o-Xylene	12.376	106	118378	19.462	ug/l		96
70) Styrene	12.388	104	193858	19.023	ug/l		97
71) Bromoform	12.553	173	52426	21.065	ug/l	#	98
73) Isopropylbenzene	12.671	105	294667	17.400	ug/l		99
74) N-amyl acetate	12.665	43	121778m	18.975	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	107892	18.504	ug/l		97
76) 1,2,3-Trichloropropane	12.971	75	86475m	17.595	ug/l		
77) Bromobenzene	12.959	156	75614	18.936	ug/l		93
78) n-propylbenzene	13.012	91	377345	18.089	ug/l		100
79) 2-Chlorotoluene	13.106	91	218388	17.397	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	255538	17.787	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.718	75	29446	15.861	ug/l		89
82) 4-Chlorotoluene	13.200	91	227013	17.200	ug/l		97
83) tert-Butylbenzene	13.412	119	221104	18.468	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	259126	18.018	ug/l		100
85) sec-Butylbenzene	13.594	105	326968	18.404	ug/l		99
86) p-Isopropyltoluene	13.706	119	276556	18.851	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	147792	18.795	ug/l		96
88) 1,4-Dichlorobenzene	13.788	146	148845	18.189	ug/l		98
89) n-Butylbenzene	14.035	91	257806	17.694	ug/l		99
90) Hexachloroethane	14.306	117	53872	19.275	ug/l		88
91) 1,2-Dichlorobenzene	14.082	146	143628	19.253	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23465	16.941	ug/l		91
93) 1,2,4-Trichlorobenzene	15.365	180	85112	18.999	ug/l		98
94) Hexachlorobutadiene	15.470	225	33396	20.911	ug/l		97
95) Naphthalene	15.617	128	273883	17.261	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	81446	18.597	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087851.D
Acq On : 16 Sep 2025 15:46
Operator : JC\MD
Sample : VN0916WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

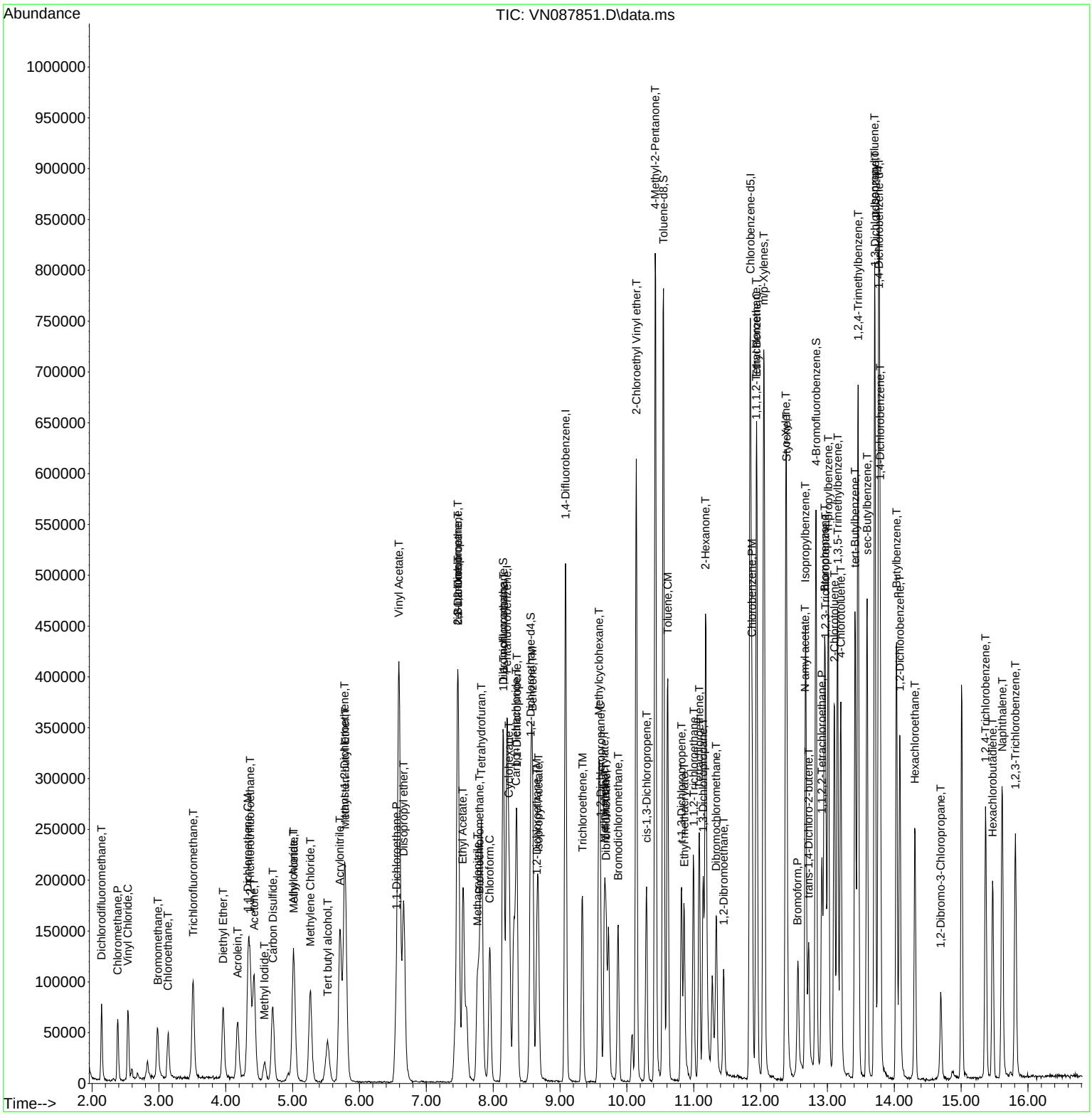
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087851.D
Acq On : 16 Sep 2025 15:46
Operator : JC\MD
Sample : VN0916WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



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

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN091625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087847.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:20:26 AM	MMDadoda	9/18/2025 3:21:22 PM	Peak Integrated by Software
VSTDCCC050	VN087847.D	N-amyl acetate	JOHN	9/17/2025 8:20:26 AM	MMDadoda	9/18/2025 3:21:22 PM	Peak Integrated by Software
VN0916WBS01	VN087850.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:20:32 AM	MMDadoda	9/18/2025 3:21:23 PM	Peak Integrated by Software
VN0916WBS01	VN087850.D	N-amyl acetate	JOHN	9/17/2025 8:20:32 AM	MMDadoda	9/18/2025 3:21:23 PM	Peak Integrated by Software
VN0916WBSD01	VN087851.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:20:36 AM	MMDadoda	9/18/2025 3:21:25 PM	Peak Integrated by Software
VN0916WBSD01	VN087851.D	N-amyl acetate	JOHN	9/17/2025 8:20:36 AM	MMDadoda	9/18/2025 3:21:25 PM	Peak Integrated by Software
Q3109-02	VN087855.D	1,3,5-Trimethylbenzene	SAM	9/19/2025 8:35:35 AM	MMDadoda	9/19/2025 8:36:05 AM	Peak Integrated by Software
Q3109-02	VN087855.D	sec-Butylbenzene	SAM	9/19/2025 8:35:35 AM	MMDadoda	9/19/2025 8:36:05 AM	Peak Integrated by Software
VSTDCCC050	VN087867.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:20:54 AM	MMDadoda	9/18/2025 3:21:30 PM	Peak Integrated by Software
VSTDCCC050	VN087867.D	N-amyl acetate	JOHN	9/17/2025 8:20:54 AM	MMDadoda	9/18/2025 3:21:30 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx091725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047601.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:20:32 AM	MMDadoda	9/18/2025 3:26:11 PM	Peak Integrated by Software
VX0917WBS01	VX047604.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:20:36 AM	MMDadoda	9/18/2025 3:26:13 PM	Peak Integrated by Software
Q3109-02DL	VX047606.D	1,3,5-Trimethylbenzene	JOHN	9/18/2025 8:20:45 AM	MMDadoda	9/18/2025 3:26:18 PM	Peak Integrated by Software
Q3109-02DL	VX047606.D	sec-Butylbenzene	JOHN	9/18/2025 8:20:45 AM	MMDadoda	9/18/2025 3:26:18 PM	Peak Integrated by Software
VSTDCCC050	VX047629.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:23:12 AM	MMDadoda	9/18/2025 3:26:25 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091625

Review By	John Carlone	Review On	9/17/2025 8:23:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:21:51 PM		
SubDirectory	VN091625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135496
Initial Calibration Stds	
CCC	VP135497,VP135498
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087846.D	16 Sep 2025 11:25	JC\MD	Ok
2	VSTDCCC050	VN087847.D	16 Sep 2025 13:55	JC\MD	Ok,M
3	VN0916MBL01	VN087848.D	16 Sep 2025 14:43	JC\MD	Ok
4	VN0916WBL01	VN087849.D	16 Sep 2025 15:04	JC\MD	Ok
5	VN0916WBS01	VN087850.D	16 Sep 2025 15:25	JC\MD	Ok,M
6	VN0916WBSD01	VN087851.D	16 Sep 2025 15:46	JC\MD	Ok,M
7	Q3103-01	VN087852.D	16 Sep 2025 16:08	JC\MD	Ok
8	Q3108-01	VN087853.D	16 Sep 2025 16:29	JC\MD	Ok,M
9	Q3109-01	VN087854.D	16 Sep 2025 16:50	JC\MD	Ok
10	Q3109-02	VN087855.D	16 Sep 2025 17:11	JC\MD	Ok
11	VN0916MBS01	VN087856.D	16 Sep 2025 17:32	JC\MD	Ok,M
12	VN0916MBSD01	VN087857.D	16 Sep 2025 17:54	JC\MD	Ok,M
13	Q3077-01	VN087858.D	16 Sep 2025 18:15	JC\MD	Ok
14	Q3021-01	VN087859.D	16 Sep 2025 18:36	JC\MD	Ok
15	Q3021-03	VN087860.D	16 Sep 2025 18:58	JC\MD	Ok
16	Q3021-05	VN087861.D	16 Sep 2025 19:19	JC\MD	Ok
17	IBLK	VN087862.D	16 Sep 2025 19:40	JC\MD	Ok
18	Q3087-01	VN087863.D	16 Sep 2025 20:01	JC\MD	Ok
19	Q3087-02	VN087864.D	16 Sep 2025 20:22	JC\MD	Ok
20	Q3087-03	VN087865.D	16 Sep 2025 20:43	JC\MD	Ok
21	Q3087-04	VN087866.D	16 Sep 2025 21:05	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091625

Review By	John Carlone	Review On	9/17/2025 8:23:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:21:51 PM		
SubDirectory	VN091625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135496
Initial Calibration Stds	
CCC	VP135497,VP135498
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VN087867.D	16 Sep 2025 21:26	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047600.D	17 Sep 2025 08:19	JC/MD	Ok
2	VSTDCCC050	VX047601.D	17 Sep 2025 08:51	JC/MD	Ok,M
3	VX0917MBL01	VX047602.D	17 Sep 2025 09:21	JC/MD	Ok
4	VX0917WBL01	VX047603.D	17 Sep 2025 09:41	JC/MD	Ok
5	VX0917WBS01	VX047604.D	17 Sep 2025 10:09	JC/MD	Ok,M
6	VX0917WBSD01	VX047605.D	17 Sep 2025 10:37	JC/MD	Ok,M
7	Q3109-02DL	VX047606.D	17 Sep 2025 10:57	JC/MD	Ok,M
8	Q3095-01	VX047607.D	17 Sep 2025 11:18	JC/MD	Ok
9	Q3095-02	VX047608.D	17 Sep 2025 11:39	JC/MD	Ok
10	Q3095-03	VX047609.D	17 Sep 2025 12:00	JC/MD	Ok
11	Q3095-04	VX047610.D	17 Sep 2025 12:21	JC/MD	Ok
12	Q3095-08	VX047611.D	17 Sep 2025 12:42	JC/MD	Ok
13	Q3095-09	VX047612.D	17 Sep 2025 13:03	JC/MD	Ok
14	Q3095-10	VX047613.D	17 Sep 2025 13:24	JC/MD	Ok
15	Q3095-11	VX047614.D	17 Sep 2025 13:45	JC/MD	Dilution
16	Q3095-12	VX047615.D	17 Sep 2025 14:06	JC/MD	ReRun
17	Q3095-13	VX047616.D	17 Sep 2025 14:27	JC/MD	Dilution
18	Q3095-14	VX047617.D	17 Sep 2025 14:48	JC/MD	ReRun
19	Q3095-15	VX047618.D	17 Sep 2025 15:09	JC/MD	Not Ok
20	Q3095-16	VX047619.D	17 Sep 2025 15:30	JC/MD	Dilution
21	Q3095-17	VX047620.D	17 Sep 2025 15:51	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3095-18	VX047621.D	17 Sep 2025 16:13	JC/MD	Dilution
23	Q3095-19	VX047622.D	17 Sep 2025 16:34	JC/MD	ReRun
24	Q3095-20	VX047623.D	17 Sep 2025 16:55	JC/MD	Not Ok
25	Q3095-21	VX047624.D	17 Sep 2025 17:16	JC/MD	Ok
26	Q3095-22	VX047625.D	17 Sep 2025 17:37	JC/MD	Ok
27	Q3095-05	VX047626.D	17 Sep 2025 17:58	JC/MD	Ok
28	Q3095-06MS	VX047627.D	17 Sep 2025 18:19	JC/MD	Ok,M
29	Q3095-07MSD	VX047628.D	17 Sep 2025 18:40	JC/MD	Ok,M
30	VSTDCCC050	VX047629.D	17 Sep 2025 19:01	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091625

Review By	John Carlone	Review On	9/17/2025 8:23:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:21:51 PM		
SubDirectory	VN091625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135496
Initial Calibration Stds	
CCC	VP135497,VP135498
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	VN087846.D	16 Sep 2025 11:25		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087847.D	16 Sep 2025 13:55	pH#Lot#V12668	JC\MD	Ok,M
3	VN0916MBL01	VN0916MBL01	VN087848.D	16 Sep 2025 14:43		JC\MD	Ok
4	VN0916WBL01	VN0916WBL01	VN087849.D	16 Sep 2025 15:04		JC\MD	Ok
5	VN0916WBS01	VN0916WBS01	VN087850.D	16 Sep 2025 15:25	BS Failed Low For Com.#80,81	JC\MD	Ok,M
6	VN0916WBSD01	VN0916WBSD01	VN087851.D	16 Sep 2025 15:46	BSD Failed Low For Comp.#23	JC\MD	Ok,M
7	Q3103-01	TW-WTS-14	VN087852.D	16 Sep 2025 16:08	vial A pH<2	JC\MD	Ok
8	Q3108-01	MW2	VN087853.D	16 Sep 2025 16:29	vial A pH<2	JC\MD	Ok,M
9	Q3109-01	MW1D	VN087854.D	16 Sep 2025 16:50	vial A pH<2	JC\MD	Ok
10	Q3109-02	MW1	VN087855.D	16 Sep 2025 17:11		JC\MD	Ok
11	VN0916MBS01	VN0916MBS01	VN087856.D	16 Sep 2025 17:32		JC\MD	Ok,M
12	VN0916MBSD01	VN0916MBSD01	VN087857.D	16 Sep 2025 17:54		JC\MD	Ok,M
13	Q3077-01	LAW-25-0137	VN087858.D	16 Sep 2025 18:15	cloth material	JC\MD	Ok
14	Q3021-01	821-B	VN087859.D	16 Sep 2025 18:36	sample is oil	JC\MD	Ok
15	Q3021-03	821-D	VN087860.D	16 Sep 2025 18:58	sample is oil	JC\MD	Ok
16	Q3021-05	821-I	VN087861.D	16 Sep 2025 19:19	sample is oil	JC\MD	Ok
17	IBLK	IBLK	VN087862.D	16 Sep 2025 19:40		JC\MD	Ok
18	Q3087-01	STORAGE-BLANK-SAI	VN087863.D	16 Sep 2025 20:01	vial A pH<2	JC\MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091625

Review By	John Carlone	Review On	9/17/2025 8:23:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:21:51 PM		
SubDirectory	VN091625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135496
Initial Calibration Stds	
CCC	VP135497,VP135498
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3087-02	STORAGE-BLANK-WA	VN087864.D	16 Sep 2025 20:22	vial A pH<2	JC\MD	Ok
20	Q3087-03	STORAGE-BLANK-WA	VN087865.D	16 Sep 2025 20:43	vial A pH<2	JC\MD	Ok
21	Q3087-04	STORAGE-BLANK-SA	VN087866.D	16 Sep 2025 21:05	vial A pH<2	JC\MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VN087867.D	16 Sep 2025 21:26	Low Spike	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
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	VX047600.D	17 Sep 2025 08:19		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047601.D	17 Sep 2025 08:51	pH#Lot#V12668	JC/MD	Ok,M
3	VX0917MBL01	VX0917MBL01	VX047602.D	17 Sep 2025 09:21		JC/MD	Ok
4	VX0917WBL01	VX0917WBL01	VX047603.D	17 Sep 2025 09:41		JC/MD	Ok
5	VX0917WBS01	VX0917WBS01	VX047604.D	17 Sep 2025 10:09		JC/MD	Ok,M
6	VX0917WBSD01	VX0917WBSD01	VX047605.D	17 Sep 2025 10:37		JC/MD	Ok,M
7	Q3109-02DL	MW1DL	VX047606.D	17 Sep 2025 10:57	vial B pH<2	JC/MD	Ok,M
8	Q3095-01	MW305I-20250908	VX047607.D	17 Sep 2025 11:18	vial A pH<2	JC/MD	Ok
9	Q3095-02	MW179D-20250908	VX047608.D	17 Sep 2025 11:39	vial A pH<2	JC/MD	Ok
10	Q3095-03	MW201D-20250908	VX047609.D	17 Sep 2025 12:00	vial A pH<2	JC/MD	Ok
11	Q3095-04	MW179D1-20250908	VX047610.D	17 Sep 2025 12:21	vial A pH<2	JC/MD	Ok
12	Q3095-08	MW203D1-20250909	VX047611.D	17 Sep 2025 12:42	vial A pH<2	JC/MD	Ok
13	Q3095-09	MW179D2-20250909	VX047612.D	17 Sep 2025 13:03	vial A pH<2	JC/MD	Ok
14	Q3095-10	MW201D1-20250909	VX047613.D	17 Sep 2025 13:24	vial A pH<2	JC/MD	Ok
15	Q3095-11	RE122D1-20250909	VX047614.D	17 Sep 2025 13:45	vial A pH<2 Need 5X	JC/MD	Dilution
16	Q3095-12	MW202D-20250909	VX047615.D	17 Sep 2025 14:06	vial A pH<2 E flag of previous sample	JC/MD	ReRun
17	Q3095-13	MW178I1-20250909	VX047616.D	17 Sep 2025 14:27	vial A pH<2 Need 10X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3095-14	RE123D1-20250909	VX047617.D	17 Sep 2025 14:48	vial A pH<2 E flag of previous sample	JC/MD	ReRun
19	Q3095-15	RE123D3-20250909	VX047618.D	17 Sep 2025 15:09	vial A pH<2 Confirm concentration	JC/MD	Not Ok
20	Q3095-16	MW305D-20250909	VX047619.D	17 Sep 2025 15:30	vial A pH<2 Need 20X	JC/MD	Dilution
21	Q3095-17	DUP01-20250909	VX047620.D	17 Sep 2025 15:51	vial A pH<2 Need 20X	JC/MD	Dilution
22	Q3095-18	RE126D2-20250909	VX047621.D	17 Sep 2025 16:13	vial A pH<2 Need 5X	JC/MD	Dilution
23	Q3095-19	RE126D3-20250909	VX047622.D	17 Sep 2025 16:34	vial A pH<2 E flag of previous sample	JC/MD	ReRun
24	Q3095-20	MW178S-20250910	VX047623.D	17 Sep 2025 16:55	vial A pH<2 Confirm concentration	JC/MD	Not Ok
25	Q3095-21	RE126D1-20250910	VX047624.D	17 Sep 2025 17:16	vial A pH<2	JC/MD	Ok
26	Q3095-22	MW202D1-20250910	VX047625.D	17 Sep 2025 17:37	vial A pH<2	JC/MD	Ok
27	Q3095-05	MW203D2-20250909	VX047626.D	17 Sep 2025 17:58	vial A pH<2	JC/MD	Ok
28	Q3095-06MS	MW203D2-20250909M	VX047627.D	17 Sep 2025 18:19	vial A pH<2	JC/MD	Ok,M
29	Q3095-07MSD	MW203D2-20250909M	VX047628.D	17 Sep 2025 18:40	vial A pH<2	JC/MD	Ok,M
30	VSTDCCC050	VSTDCCC050EC	VX047629.D	17 Sep 2025 19:01		JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3109	**OrderDate:**	9/16/2025 11:02:00 AM
Client:	G Environmental	**Project:**	Metuchen
Contact:	Gary Landis	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3109-01	**MW1D**	**Water**			**09/16/25**			**09/16/25**
			VOCMS Group1	8260-Low			09/16/25	
Q3109-02	**MW1**	**Water**			**09/16/25**			**09/16/25**
			VOCMS Group1	8260-Low			09/16/25	
Q3109-02DL	**MW1DL**	**Water**			**09/16/25**			**09/16/25**
			VOCMS Group1	8260-Low			09/17/25	