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

Hit Summary Sheet
SW-846

SDG No.: Q2825

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**TW1**								
Q2825-01	TW1	Water	Acetone		5.20		1.50	5.00	ug/L
Q2825-01	TW1	Water	Cyclohexane		9.00		1.50	5.00	ug/L
Q2825-01	TW1	Water	Methylcyclohexane		24.0		0.16	1.00	ug/L
Q2825-01	TW1	Water	Ethyl Benzene		1.40		0.13	1.00	ug/L
Q2825-01	TW1	Water	m/p-Xylenes		0.82	J	0.24	2.00	ug/L
Q2825-01	TW1	Water	Isopropylbenzene		3.10		0.12	1.00	ug/L
			Total Voc :		43.5				
Q2825-01	TW1	Water	unknown16.141	*	6.10	J	0	0	ug/L
Q2825-01	TW1	Water	Naphthalene, decahydro-	*	6.60	J	0	0	ug/L
Q2825-01	TW1	Water	Cyclopentane, methyl-	*	6.60	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, 1,2,3,4-tetramethyl-	*	15.6	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, (2-methyl-1-propenyl	*	12.7	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, 1-ethyl-3,5-dimethyl-	*	6.60	J	0	0	ug/L
Q2825-01	TW1	Water	Cyclohexane, ethyl-	*	6.70	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, 2-ethyl-1,4-dimethyl-	*	13.8	J	0	0	ug/L
Q2825-01	TW1	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	10.0	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, 2-ethyl-1,3-dimethyl-	*	34.4	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, (3-methyl-2-butenyl)-	*	13.0	J	0	0	ug/L
Q2825-01	TW1	Water	Benzene, 1,4-diethyl-2-methyl-	*	10.1	J	0	0	ug/L
Q2825-01	TW1	Water	1,3-Cyclopentadiene, 1,2,3,4-te	*	6.50	J	0	0	ug/L
Q2825-01	TW1	Water	n-propylbenzene	*	5.40	J	0.13	1.00	ug/L
Q2825-01	TW1	Water	1,3,5-Trimethylbenzene	*	1.80	J	0.15	1.00	ug/L
Q2825-01	TW1	Water	tert-Butylbenzene	*	1.20	J	0.14	1.00	ug/L
Q2825-01	TW1	Water	1,2,4-Trimethylbenzene	*	24.4	J	0.14	1.00	ug/L
Q2825-01	TW1	Water	sec-Butylbenzene	*	4.10	J	0.13	1.00	ug/L
Q2825-01	TW1	Water	p-Isopropyltoluene	*	2.60	J	0.13	1.00	ug/L
Q2825-01	TW1	Water	n-Butylbenzene	*	4.30	J	0.15	1.00	ug/L
			Total Tics :		193				
			Total Concentration:		236				

SAMPLE DATA

Raw Data: **VN087535.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:	08/10/25
Project:	DeCamp	Date Received:	08/11/25
Client Sample ID:	TW1	SDG No.:	Q2825
Lab Sample ID:	Q2825-01	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
VN087535.D	1	08/13/25 15:14	VN081325

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	5.20		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	9.00		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	UQ	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	24.0		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: **VN087535.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:	08/10/25
Project:	DeCamp	Date Received:	08/11/25
Client Sample ID:	TW1	SDG No.:	Q2825
Lab Sample ID:	Q2825-01	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
VN087535.D	1	08/13/25 15:14	VN081325

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	1.40		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.82	J	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	3.10		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	60.7		70 (74) - 130 (125)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	52.3		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	8.206			
540-36-3	1,4-Difluorobenzene	488000	9.082			
3114-55-4	Chlorobenzene-d5	445000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN087535.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:	08/10/25
Project:	DeCamp	Date Received:	08/11/25
Client Sample ID:	TW1	SDG No.:	Q2825
Lab Sample ID:	Q2825-01	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
VN087535.D	1	08/13/25 15:14	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000096-37-7	Cyclopentane, methyl-	6.60	J		7.31	ug/L
001678-91-7	Cyclohexane, ethyl-	6.70	J		11.4	ug/L
103-65-1	n-propylbenzene	5.40	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.80	J		13.2	ug/L
98-06-6	tert-Butylbenzene	1.20	J		13.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	24.4	J		13.5	ug/L
135-98-8	sec-Butylbenzene	4.10	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	2.60	J		13.7	ug/L
104-51-8	n-Butylbenzene	4.30	J		14.0	ug/L
000091-17-8	Naphthalene, decahydro-	6.60	J		14.1	ug/L
076089-59-3	1,3-Cyclopentadiene, 1,2,3,4-tetra	6.50	J		14.3	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	13.8	J		14.3	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	12.7	J		14.4	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	15.6	J		14.6	ug/L
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	6.60	J		14.7	ug/L
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	34.4	J		15.0	ug/L
013632-94-5	Benzene, 1,4-diethyl-2-methyl-	10.1	J		15.3	ug/L
004489-84-3	Benzene, (3-methyl-2-butenyl)-	13.0	J		15.4	ug/L
	unknown16.141	6.10	J		16.1	ug/L
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	10.0	J		16.5	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: **VN087519.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:	08/10/25
Project:	DeCamp	Date Received:	08/11/25
Client Sample ID:	FB	SDG No.:	Q2825
Lab Sample ID:	Q2825-02	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
VN087519.D	1	08/12/25 16:57	VN081225

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: **VN087519.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:	08/10/25
Project:	DeCamp	Date Received:	08/11/25
Client Sample ID:	FB	SDG No.:	Q2825
Lab Sample ID:	Q2825-02	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
VN087519.D	1	08/12/25 16:57	VN081225

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	60.9		70 (74) - 130 (125)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	239000	8.212			
540-36-3	1,4-Difluorobenzene	520000	9.088			
3114-55-4	Chlorobenzene-d5	475000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.77			

Raw Data: **VN087519.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:	08/10/25
Project:	DeCamp			Date Received:	08/11/25
Client Sample ID:	FB			SDG No.:	Q2825
Lab Sample ID:	Q2825-02			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
VN087519.D	1	08/12/25 16:57	VN081225

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,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q2825

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2825-01	TW1	1,2-Dichloroethane-d4	50	60.7	121		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	52.3	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.1	104		70 (77)	130 (121)
Q2825-02	FB	1,2-Dichloroethane-d4	50	60.9	122		70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99		70 (75)	130 (124)
		Toluene-d8	50	51.8	104		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103		70 (77)	130 (121)
VN0812WBL01	VN0812WBL01	1,2-Dichloroethane-d4	50	58.4	117		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	51.3	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100		70 (77)	130 (121)
VN0812WBS01	VN0812WBS01	1,2-Dichloroethane-d4	50	53.3	107		70 (74)	130 (125)
		Dibromofluoromethane	50	44.8	90		70 (75)	130 (124)
		Toluene-d8	50	46.2	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97		70 (77)	130 (121)
VN0812WBSD0	VN0812WBSD01	1,2-Dichloroethane-d4	50	54.6	109		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	49.1	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101		70 (77)	130 (121)
VN0813WBL01	VN0813WBL01	1,2-Dichloroethane-d4	50	59.6	119		70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99		70 (75)	130 (124)
		Toluene-d8	50	52.0	104		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100		70 (77)	130 (121)
VN0813WBS01	VN0813WBS01	1,2-Dichloroethane-d4	50	58.5	117		70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100		70 (75)	130 (124)
		Toluene-d8	50	51.1	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2825 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087505.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0812WBS01	Dichlorodifluoromethane	20	22.2	ug/L	111			40 (69)	160 (116)	
	Chloromethane	20	18.1	ug/L	91			40 (65)	160 (116)	
	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	19.8	ug/L	99			40 (58)	160 (125)	
	Chloroethane	20	20.3	ug/L	102			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.5	ug/L	98			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	18.3	ug/L	92			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	21.4	ug/L	107			70 (67)	130 (125)	
	Methylene Chloride	20	19.2	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.1	ug/L	96			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.1	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	19.6	ug/L	98			70 (75)	130 (110)	
	2-Butanone	100	98.5	ug/L	99			40 (65)	160 (122)	
	Carbon Tetrachloride	20	17.6	ug/L	88			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.6	ug/L	103			70 (77)	130 (110)	
	Bromochloromethane	20	19.4	ug/L	97			70 (70)	130 (124)	
	Chloroform	20	20.7	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			70 (80)	130 (108)	
	Methylcyclohexane	20	19.4	ug/L	97			70 (72)	130 (115)	
	Benzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.9	ug/L	100			70 (80)	130 (115)	
	Trichloroethene	20	17.1	ug/L	86			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	18.8	ug/L	94			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	93.9	ug/L	94			40 (74)	160 (118)	
	Toluene	20	18.8	ug/L	94			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.2	ug/L	101			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.9	ug/L	100			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.5	ug/L	93			70 (83)	130 (112)	
	2-Hexanone	100	92.3	ug/L	92			40 (73)	160 (117)	
	Dibromochloromethane	20	18.7	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.0	ug/L	95			70 (81)	130 (110)	
	Tetrachloroethene	20	16.2	ug/L	81			70 (67)	130 (123)	
	Chlorobenzene	20	17.8	ug/L	89			70 (82)	130 (109)	
	Ethyl Benzene	20	19.4	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	37.5	ug/L	94			70 (82)	130 (110)	
	o-Xylene	20	19.6	ug/L	98			70 (83)	130 (109)	
	Styrene	20	19.1	ug/L	96			70 (80)	130 (111)	
	Bromoform	20	17.1	ug/L	86			70 (79)	130 (109)	
	Isopropylbenzene	20	21.4	ug/L	107			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2825 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087505.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0812WBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	20.7	ug/L	104			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2825 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0812WBSD01	Dichlorodifluoromethane	20	24.1	ug/L	121	9		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.4	ug/L	87	4		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	19.9	ug/L	100	3		70 (65)	130 (117)	20 (19)
	Bromomethane	20	19.3	ug/L	97	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	20.8	ug/L	104	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.9	ug/L	100	2		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/L	106	8		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.3	ug/L	97	4		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.3	ug/L	92	0		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.5	ug/L	108	1		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	21.1	ug/L	106	1		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.0	ug/L	95	1		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	3		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.2	ug/L	96	5		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.3	ug/L	102	4		70 (75)	130 (110)	20 (20)
	2-Butanone	100	96.5	ug/L	97	2		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.6	ug/L	93	6		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.6	ug/L	98	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.0	ug/L	105	8		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.1	ug/L	101	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.2	ug/L	101	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.2	ug/L	106	9		70 (72)	130 (115)	20 (20)
	Benzene	20	18.8	ug/L	94	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.8	ug/L	99	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.0	ug/L	90	5		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	18.5	ug/L	93	4		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.3	ug/L	97	3		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	95.2	ug/L	95	1		40 (74)	160 (118)	20 (25)
	Toluene	20	18.8	ug/L	94	0		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.5	ug/L	103	2		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	2		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	18.9	ug/L	95	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	94.4	ug/L	94	2		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	18.1	ug/L	91	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.5	ug/L	93	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	17.5	ug/L	88	8		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.5	ug/L	93	4		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.0	ug/L	100	3		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	38.3	ug/L	96	2		70 (82)	130 (110)	20 (15)
	o-Xylene	20	20.4	ug/L	102	4		70 (83)	130 (109)	20 (20)
	Styrene	20	19.9	ug/L	100	4		70 (80)	130 (111)	20 (17)
	Bromoform	20	17.8	ug/L	89	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	21.8	ug/L	109	2		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.9	ug/L	95	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.6	ug/L	93	0		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.4	ug/L	97	2		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2825 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0812WBSD01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/L	92	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/L	102	2		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.7	ug/L	99	4		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2825 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087528.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0813WBS01	Dichlorodifluoromethane	20	23.3	ug/L	117			40 (69)	160 (116)	
	Chloromethane	20	18.4	ug/L	92			40 (65)	160 (116)	
	Vinyl chloride	20	20.8	ug/L	104			70 (65)	130 (117)	
	Bromomethane	20	21.9	ug/L	110			40 (58)	160 (125)	
	Chloroethane	20	20.7	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.9	ug/L	104			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/L	107			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.2	ug/L	96			70 (74)	130 (110)	
	Acetone	100	120	ug/L	120			40 (60)	160 (125)	
	Carbon disulfide	20	18.1	ug/L	91			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	22.9	ug/L	115			70 (78)	130 (114)	
	Methyl Acetate	20	22.7	ug/L	114			70 (67)	130 (125)	
	Methylene Chloride	20	20.0	ug/L	100			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.1	ug/L	106			70 (78)	130 (112)	
	Cyclohexane	20	20.8	ug/L	104			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.5	ug/L	93			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			70 (77)	130 (110)	
	Bromochloromethane	20	26.6	ug/L	133		*	70 (70)	130 (124)	
	Chloroform	20	21.8	ug/L	109			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			70 (80)	130 (108)	
	Methylcyclohexane	20	20.0	ug/L	100			70 (72)	130 (115)	
	Benzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.8	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	17.5	ug/L	88			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.2	ug/L	96			70 (83)	130 (111)	
	Bromodichloromethane	20	19.7	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	99.2	ug/L	99			40 (74)	160 (118)	
	Toluene	20	19.3	ug/L	97			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.8	ug/L	104			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			70 (83)	130 (112)	
	2-Hexanone	100	98.5	ug/L	99			40 (73)	160 (117)	
	Dibromochloromethane	20	18.9	ug/L	95			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.9	ug/L	95			70 (81)	130 (110)	
	Tetrachloroethene	20	17.0	ug/L	85			70 (67)	130 (123)	
	Chlorobenzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	38.5	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	19.8	ug/L	99			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	17.3	ug/L	86			70 (79)	130 (109)	
	Isopropylbenzene	20	21.3	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2825 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087528.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0813WBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	20.2	ug/L	101			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN0812WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2825

Lab File ID: VN087504.D | Lab Sample ID: VN0812WBL01

Date Analyzed: 08/12/2025 | Time Analyzed: 11:07

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
VN0812WBS01	VN0812WBS01	VN087505.D	08/12/2025
VN0812WBSD01	VN0812WBSD01	VN087506.D	08/12/2025
FB	Q2825-02	VN087519.D	08/12/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN0813WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2825

Lab File ID: VN087527.D | Lab Sample ID: VN0813WBL01

Date Analyzed: 08/13/2025 | Time Analyzed: 11:41

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
VN0813WBS01	VN0813WBS01	VN087528.D	08/13/2025
TW1	Q2825-01	VN087535.D	08/13/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2825

Lab File ID: VN087327.D | BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 16:10

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 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	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2825

Lab File ID: VN087501.D | BFB Injection Date: 08/12/2025

Instrument ID: MSVOA_N | BFB Injection Time: 07:57

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	23.4
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	64.5 (96.7) 1
177	5.0 - 9.0% of mass 176	5.1 (7.9) 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	VN087502.D	08/12/2025	10:24
VN0812WBL01	VN0812WBL01	VN087504.D	08/12/2025	11:07
VN0812WBS01	VN0812WBS01	VN087505.D	08/12/2025	11:42
VN0812WBSD01	VN0812WBSD01	VN087506.D	08/12/2025	12:15
FB	Q2825-02	VN087519.D	08/12/2025	16:57

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2825

Lab File ID: VN087524.D | BFB Injection Date: 08/13/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:04

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	23.3
75	30.0 - 60.0% of mass 95	57
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	66
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.9 (96.8) 1
177	5.0 - 9.0% of mass 176	3.8 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087525.D	08/13/2025	10:57
VN0813WBL01	VN0813WBL01	VN087527.D	08/13/2025	11:41
VN0813WBS01	VN0813WBS01	VN087528.D	08/13/2025	12:39
TW1	Q2825-01	VN087535.D	08/13/2025	15:14

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2825

Lab File ID: VN087502.D Date Analyzed: 08/12/2025

Instrument ID: MSVOA_N Time Analyzed: 10:24

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	330662	8.21	639180	9.08	587049	11.85
UPPER LIMIT	661324	8.712	1278360	9.582	1174100	12.347
LOWER LIMIT	165331	7.712	319590	8.582	293525	11.347
EPA SAMPLE NO.						
FB	238840	8.21	519697	9.09	475077	11.85
VN0812WBL01	271221	8.21	578160	9.08	521832	11.85
VN0812WBS01	292778	8.21	576676	9.08	523240	11.85
VN0812WBSD01	316315	8.21	602749	9.08	538329	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2825

Lab File ID: VN087502.D Date Analyzed: 08/12/2025

Instrument ID: MSVOA_N Time Analyzed: 10:24

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

	IS4 AREA #	RT #				
12 HOUR STD	291692	13.77				
UPPER LIMIT	583384	14.27				
LOWER LIMIT	145846	13.27				
EPA SAMPLE NO.						
FB	226791	13.77				
VN0812WBL01	242445	13.77				
VN0812WBS01	256652	13.77				
VN0812WBSD01	271905	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2825

Lab File ID: VN087525.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_N Time Analyzed: 10:57

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	297883	8.21	560249	9.09	506486	11.85
UPPER LIMIT	595766	8.706	1120500	9.588	1012970	12.347
LOWER LIMIT	148942	7.706	280125	8.588	253243	11.347
EPA SAMPLE NO.						
TW1	225954	8.21	487904	9.08	444655	11.85
VN0813WBL01	240605	8.21	517097	9.09	472576	11.85
VN0813WBS01	271136	8.21	532074	9.09	483502	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2825

Lab File ID: VN087525.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_N Time Analyzed: 10:57

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

	IS4 AREA #	RT #				
12 HOUR STD	261423	13.77				
UPPER LIMIT	522846	14.27				
LOWER LIMIT	130712	13.27				
EPA SAMPLE NO.						
TW1	213040	13.77				
VN0813WBL01	217582	13.77				
VN0813WBS01	246357	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DeCamp	Date Received:	
Client Sample ID:	VN0812WBL01	SDG No.:	Q2825
Lab Sample ID:	VN0812WBL01	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
VN087504.D	1	08/12/25 11:07	VN081225

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:	DeCamp		Date Received:		
Client Sample ID:	VN0812WBL01		SDG No.:	Q2825	
Lab Sample ID:	VN0812WBL01		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
VN087504.D	1	08/12/25 11:07	VN081225

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	58.4		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	8.212			
540-36-3	1,4-Difluorobenzene	578000	9.083			
3114-55-4	Chlorobenzene-d5	522000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	242000	13.77			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DeCamp			Date Received:	
Client Sample ID:	VN0812WBL01			SDG No.:	Q2825
Lab Sample ID:	VN0812WBL01			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
VN087504.D	1	08/12/25 11:07	VN081225

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: **VN087527.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:	DeCamp		Date Received:		
Client Sample ID:	VN0813WBL01		SDG No.:	Q2825	
Lab Sample ID:	VN0813WBL01		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
VN087527.D	1	08/13/25 11:41	VN081325

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:	DeCamp		Date Received:		
Client Sample ID:	VN0813WBL01		SDG No.:	Q2825	
Lab Sample ID:	VN0813WBL01		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
VN087527.D	1	08/13/25 11:41	VN081325

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	59.6		70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.212			
540-36-3	1,4-Difluorobenzene	517000	9.088			
3114-55-4	Chlorobenzene-d5	473000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	218000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DeCamp	Date Received:	
Client Sample ID:	VN0813WBL01	SDG No.:	Q2825
Lab Sample ID:	VN0813WBL01	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
VN087527.D	1	08/13/25 11:41	VN081325

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: **VN087505.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:	DeCamp	Date Received:	
Client Sample ID:	VN0812WBS01	SDG No.:	Q2825
Lab Sample ID:	VN0812WBS01	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
VN087505.D	1	08/12/25 11:42	VN081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.2		0.22	1.00	ug/L
74-87-3	Chloromethane	18.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
74-83-9	Bromomethane	19.8		1.40	5.00	ug/L
75-00-3	Chloroethane	20.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.4		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	19.1		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.6		1.50	5.00	ug/L
78-93-3	2-Butanone	98.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		0.16	1.00	ug/L
71-43-2	Benzene	18.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.9		0.68	5.00	ug/L
108-88-3	Toluene	18.8		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:	DeCamp		Date Received:		
Client Sample ID:	VN0812WBS01		SDG No.:	Q2825	
Lab Sample ID:	VN0812WBS01		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
VN087505.D	1	08/12/25 11:42	VN081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	92.3		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	16.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.5		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	19.1		0.15	1.00	ug/L
75-25-2	Bromoform	17.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	46.2		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293000	8.206			
540-36-3	1,4-Difluorobenzene	577000	9.082			
3114-55-4	Chlorobenzene-d5	523000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.77			

Raw Data: **VN087505.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:	DeCamp			Date Received:	
Client Sample ID:	VN0812WBS01			SDG No.:	Q2825
Lab Sample ID:	VN0812WBS01			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
VN087505.D	1	08/12/25 11:42	VN081225

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: **VN087528.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:	DeCamp	Date Received:	
Client Sample ID:	VN0813WBS01	SDG No.:	Q2825
Lab Sample ID:	VN0813WBS01	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
VN087528.D	1	08/13/25 12:39	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	23.3		0.22	1.00	ug/L
74-87-3	Chloromethane	18.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.26	1.00	ug/L
74-83-9	Bromomethane	21.9		1.40	5.00	ug/L
75-00-3	Chloroethane	20.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.9		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	120		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.8		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.19	1.00	ug/L
74-97-5	Bromochloromethane	26.6		0.22	1.00	ug/L
67-66-3	Chloroform	21.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.2		0.68	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L

Raw Data: **VN087528.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:	DeCamp	Date Received:	
Client Sample ID:	VN0813WBS01	SDG No.:	Q2825
Lab Sample ID:	VN0813WBS01	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
VN087528.D	1	08/13/25 12:39	VN081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.5		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
100-42-5	Styrene	20.2		0.15	1.00	ug/L
75-25-2	Bromoform	17.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	8.212			
540-36-3	1,4-Difluorobenzene	532000	9.088			
3114-55-4	Chlorobenzene-d5	484000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	246000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DeCamp	Date Received:	
Client Sample ID:	VN0813WBS01	SDG No.:	Q2825
Lab Sample ID:	VN0813WBS01	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
VN087528.D	1	08/13/25 12:39	VN081325

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: **VN087506.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:	DeCamp	Date Received:	
Client Sample ID:	VN0812WBSD01	SDG No.:	Q2825
Lab Sample ID:	VN0812WBSD01	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
VN087506.D	1	08/12/25 12:15	VN081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	24.1		0.22	1.00	ug/L
74-87-3	Chloromethane	17.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.9		0.26	1.00	ug/L
74-83-9	Bromomethane	19.3		1.40	5.00	ug/L
75-00-3	Chloroethane	20.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.3		1.50	5.00	ug/L
78-93-3	2-Butanone	96.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.0		0.22	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.2		0.16	1.00	ug/L
71-43-2	Benzene	18.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.2		0.68	5.00	ug/L
108-88-3	Toluene	18.8		0.14	1.00	ug/L

Raw Data: **VN087506.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:	DeCamp		Date Received:		
Client Sample ID:	VN0812WBSD01		SDG No.:	Q2825	
Lab Sample ID:	VN0812WBSD01		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
VN087506.D	1	08/12/25 12:15	VN081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	94.4		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.24	2.00	ug/L
95-47-6	o-Xylene	20.4		0.12	1.00	ug/L
100-42-5	Styrene	19.9		0.15	1.00	ug/L
75-25-2	Bromoform	17.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.8		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.7		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	316000	8.206			
540-36-3	1,4-Difluorobenzene	603000	9.082			
3114-55-4	Chlorobenzene-d5	538000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	272000	13.77			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DeCamp			Date Received:	
Client Sample ID:	VN0812WBSD01			SDG No.:	Q2825
Lab Sample ID:	VN0812WBSD01			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
VN087506.D	1	08/12/25 12:15	VN081225

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.: Q2825

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.443	0.443	0.623	0.606	0.625	0.531	18
Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.7
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.2
Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	7
Trichlorofluoromethane	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.8
1,1,2-Trichlorotrifluoroethane	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.3
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.2
Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.2
Methyl tert-butyl Ether	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.9
Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	3
Methylene Chloride	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.7
trans-1,2-Dichloroethene	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.7
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4
Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.2
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8
Bromochloromethane	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.6
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4
Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.6
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
1,2-Dichloropropane	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.9
Bromodichloromethane	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.2
4-Methyl-2-Pentanone	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.8
Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.9

* 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.: Q2825

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.1
cis-1,3-Dichloropropene	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.4
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6
2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.9
Dibromochloromethane	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.4
1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7
m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.2
o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.4
Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.6
Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.7
Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.9
1,1,2,2-Tetrachloroethane	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.4
1,3-Dichlorobenzene	1.448	1.592	1.651	1.658	1.588	1.674	1.602	5.2
1,4-Dichlorobenzene	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.6
1,2-Dichlorobenzene	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.2
1,2-Dibromo-3-Chloropropane	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.8
1,2,4-Trichlorobenzene	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.9
1,2,3-Trichlorobenzene	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.4
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

* 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 CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2825
Instrument ID: MSVOA_N
Calibration Date/Time: 08/12/2025 10:24
Lab File ID: VN087502.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.531	0.639		20.34	20
Chloromethane	0.668	0.654	0.1	-2.1	20
Vinyl Chloride	0.664	0.733		10.39	20
Bromomethane	0.344	0.404		17.44	20
Chloroethane	0.433	0.480		10.85	20
Trichlorofluoromethane	0.981	1.038		5.81	20
1,1,2-Trichlorotrifluoroethane	0.504	0.554		9.92	20
1,1-Dichloroethene	0.571	0.573		0.35	20
Acetone	0.398	0.470		18.09	20
Carbon Disulfide	1.693	1.707		0.83	20
Methyl tert-butyl Ether	2.104	2.549		21.15	20
Methyl Acetate	0.999	1.151		15.22	20
Methylene Chloride	0.766	0.719		-6.14	20
trans-1,2-Dichloroethene	0.644	0.660		2.48	20
1,1-Dichloroethane	1.250	1.361	0.1	8.88	20
Cyclohexane	1.043	1.110		6.42	20
2-Butanone	0.615	0.671		9.11	20
Carbon Tetrachloride	0.502	0.510		1.59	20
cis-1,2-Dichloroethene	0.741	0.825		11.34	20
Bromochloromethane	0.598	0.624		4.35	20
Chloroform	1.251	1.408		12.55	20
1,1,1-Trichloroethane	1.084	1.184		9.23	20
Methylcyclohexane	0.493	0.524		6.29	20
Benzene	1.473	1.523		3.39	20
1,2-Dichloroethane	0.558	0.594		6.45	20
Trichloroethene	0.348	0.339		-2.59	20
1,2-Dichloropropane	0.374	0.386		3.21	20
Bromodichloromethane	0.564	0.596		5.67	20
4-Methyl-2-Pentanone	0.646	0.681		5.42	20
Toluene	0.895	0.942		5.25	20
t-1,3-Dichloropropene	0.571	0.656		14.89	20
cis-1,3-Dichloropropene	0.590	0.659		11.69	20
1,1,2-Trichloroethane	0.362	0.374		3.32	20
2-Hexanone	0.429	0.474		10.49	20
Dibromochloromethane	0.413	0.436		5.57	20
1,2-Dibromoethane	0.381	0.392		2.89	20
Tetrachloroethene	0.322	0.291		-9.63	20
Chlorobenzene	1.123	1.120	0.3	-0.27	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2825

Instrument ID: MSVOA_N | Calibration Date/Time: 08/12/2025 10:24

Lab File ID: VN087502.D | Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 17:05 18:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.848	2.004		8.44	20
m/p-Xylenes	0.692	0.741		7.08	20
o-Xylene	0.661	0.730		10.44	20
Styrene	1.112	1.270		14.21	20
Bromoform	0.308	0.318	0.1	3.25	20
Isopropylbenzene	3.147	3.777		20.02	20
1,1,2,2-Tetrachloroethane	1.184	1.273	0.3	7.52	20
1,3-Dichlorobenzene	1.602	1.706		6.49	20
1,4-Dichlorobenzene	1.711	1.726		0.88	20
1,2-Dichlorobenzene	1.517	1.659		9.36	20
1,2-Dibromo-3-Chloropropane	0.311	0.323		3.86	20
1,2,4-Trichlorobenzene	0.891	1.000		12.23	20
1,2,3-Trichlorobenzene	0.894	0.984		10.07	20
1,2-Dichloroethane-d4	0.848	0.900		6.13	20
Dibromofluoromethane	0.345	0.326		-5.51	20
Toluene-d8	1.230	1.195		-2.85	20
4-Bromofluorobenzene	0.455	0.463		1.76	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2825
Instrument ID: MSVOA_N
Calibration Date/Time: 08/13/2025 10:57
Lab File ID: VN087525.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.531	0.658		23.92	20
Chloromethane	0.668	0.624	0.1	-6.59	20
Vinyl Chloride	0.664	0.717		7.98	20
Bromomethane	0.344	0.393		14.24	20
Chloroethane	0.433	0.469		8.31	20
Trichlorofluoromethane	0.981	1.056		7.64	20
1,1,2-Trichlorotrifluoroethane	0.504	0.582		15.48	20
1,1-Dichloroethene	0.571	0.567		-0.7	20
Acetone	0.398	0.442		11.06	20
Carbon Disulfide	1.693	1.611		-4.84	20
Methyl tert-butyl Ether	2.104	2.478		17.78	20
Methyl Acetate	0.999	1.175		17.62	20
Methylene Chloride	0.766	0.697		-9.01	20
trans-1,2-Dichloroethene	0.644	0.640		-0.62	20
1,1-Dichloroethane	1.250	1.290	0.1	3.2	20
Cyclohexane	1.043	1.135		8.82	20
2-Butanone	0.615	0.665		8.13	20
Carbon Tetrachloride	0.502	0.519		3.39	20
cis-1,2-Dichloroethene	0.741	0.798		7.69	20
Bromochloromethane	0.598	0.631		5.52	20
Chloroform	1.251	1.367		9.27	20
1,1,1-Trichloroethane	1.084	1.177		8.58	20
Methylcyclohexane	0.493	0.590		19.67	20
Benzene	1.473	1.499		1.76	20
1,2-Dichloroethane	0.558	0.597		6.99	20
Trichloroethene	0.348	0.342		-1.72	20
1,2-Dichloropropane	0.374	0.384		2.67	20
Bromodichloromethane	0.564	0.602		6.74	20
4-Methyl-2-Pentanone	0.646	0.703		8.82	20
Toluene	0.895	0.934		4.36	20
t-1,3-Dichloropropene	0.571	0.649		13.66	20
cis-1,3-Dichloropropene	0.590	0.658		11.52	20
1,1,2-Trichloroethane	0.362	0.378		4.42	20
2-Hexanone	0.429	0.483		12.59	20
Dibromochloromethane	0.413	0.441		6.78	20
1,2-Dibromoethane	0.381	0.403		5.77	20
Tetrachloroethene	0.322	0.306		-4.97	20
Chlorobenzene	1.123	1.142	0.3	1.69	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2825

Instrument ID: MSVOA_N | Calibration Date/Time: 08/13/2025 10:57

Lab File ID: VN087525.D | Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 17:05 18:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.848	2.026		9.63	20
m/p-Xylenes	0.692	0.755		9.1	20
o-Xylene	0.661	0.736		11.35	20
Styrene	1.112	1.278		14.93	20
Bromoform	0.308	0.318	0.1	3.25	20
Isopropylbenzene	3.147	3.734		18.65	20
1,1,2,2-Tetrachloroethane	1.184	1.291	0.3	9.04	20
1,3-Dichlorobenzene	1.602	1.685		5.18	20
1,4-Dichlorobenzene	1.711	1.706		-0.29	20
1,2-Dichlorobenzene	1.517	1.645		8.44	20
1,2-Dibromo-3-Chloropropane	0.311	0.312		0.32	20
1,2,4-Trichlorobenzene	0.891	1.001		12.35	20
1,2,3-Trichlorobenzene	0.894	0.937		4.81	20
1,2-Dichloroethane-d4	0.848	0.898		5.9	20
Dibromofluoromethane	0.345	0.337		-2.32	20
Toluene-d8	1.230	1.204		-2.11	20
4-Bromofluorobenzene	0.455	0.470		3.3	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\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 14 04:01:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	225954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	487904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	444655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	232717	60.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.400%			
35) Dibromofluoromethane	8.153	113	167848	49.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.740%			
50) Toluene-d8	10.547	98	628105	52.319	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.829	95	231298	52.148	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.300%			
Target Compounds						Qvalue
16) Acetone	4.418	43	9285m	5.165	ug/l	
31) Cyclohexane	8.241	56	42387	8.993	ug/l	95
39) Methylcyclohexane	9.582	83	115469	23.986	ug/l	99
67) Ethyl Benzene	11.941	91	23096	1.405	ug/l	100
68) m/p-Xylenes	12.053	106	5052	0.821	ug/l	74
73) Isopropylbenzene	12.676	105	41734	3.113	ug/l	100
78) n-propylbenzene	13.017	91	91547	5.427	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	20619	1.805	ug/l	91
83) tert-Butylbenzene	13.423	119	11001	1.153	ug/l	90
84) 1,2,4-Trimethylbenzene	13.459	105	284789	24.411	ug/l	97
85) sec-Butylbenzene	13.594	105	58488	4.070	ug/l #	78
86) p-Isopropyltoluene	13.712	119	30231	2.625	ug/l	96
89) n-Butylbenzene	14.035	91	47261m	4.297	ug/l	

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

Sample Results: **VN087535.D**

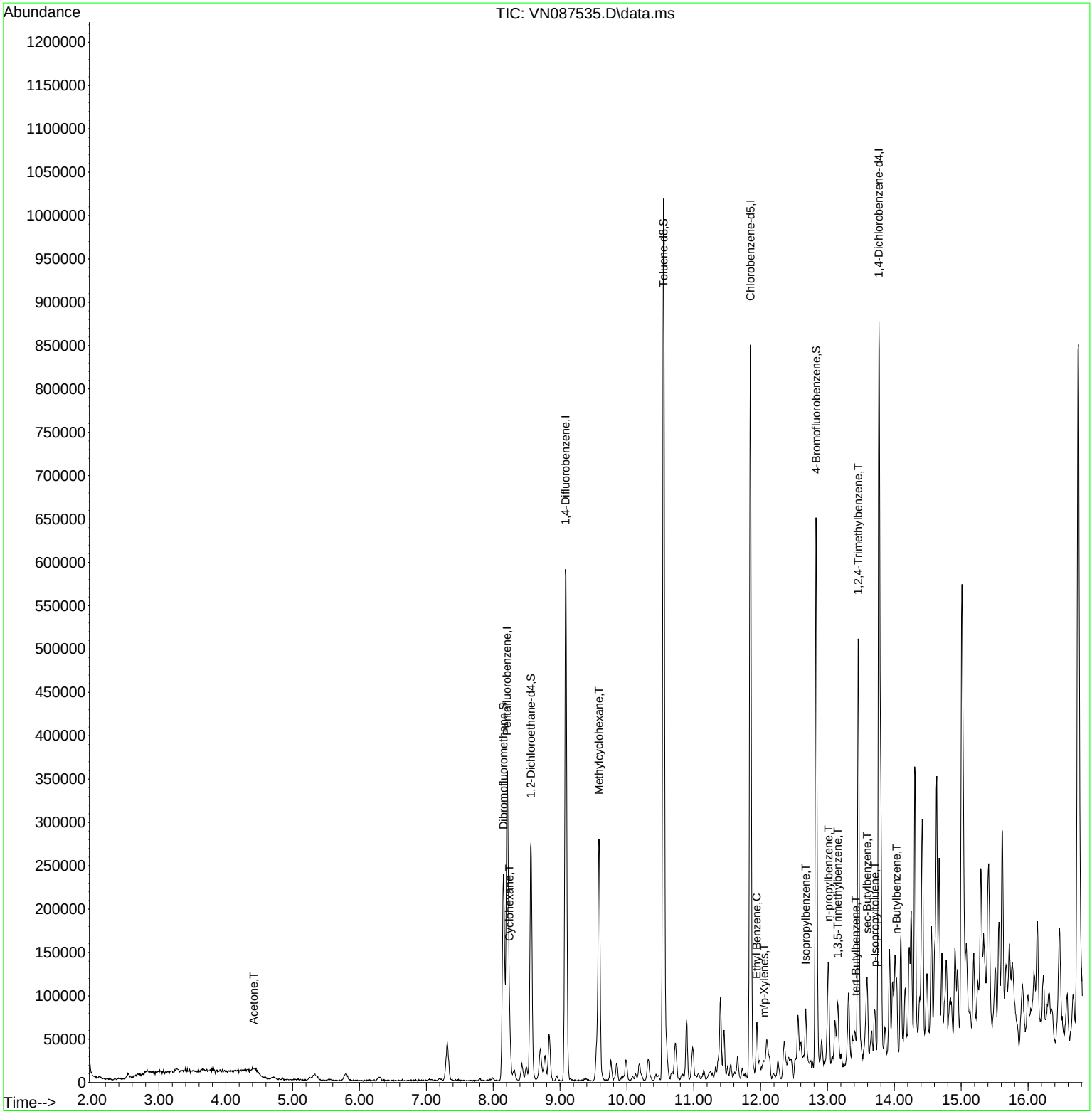
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

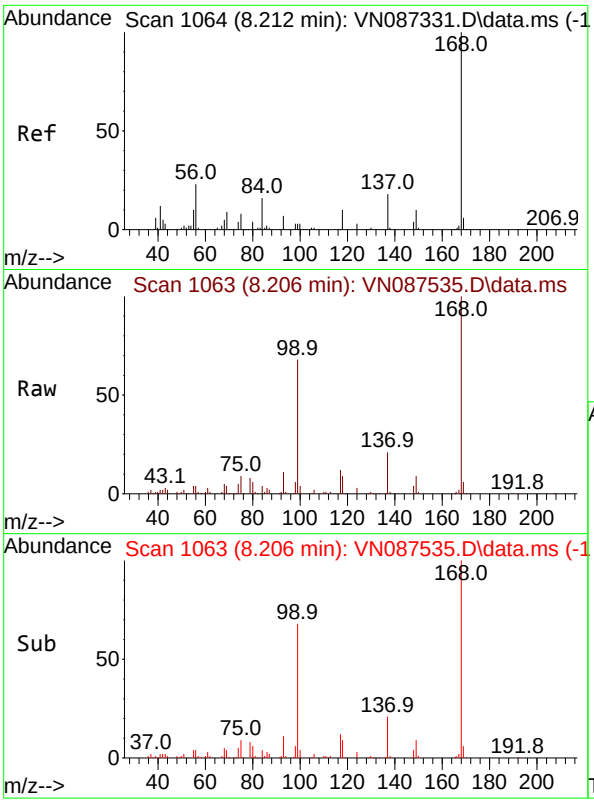
Quant Time: Aug 14 04:01:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

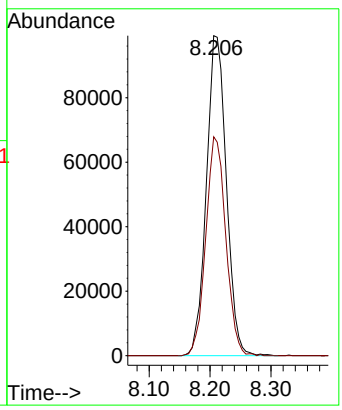




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:168 Resp: 22595

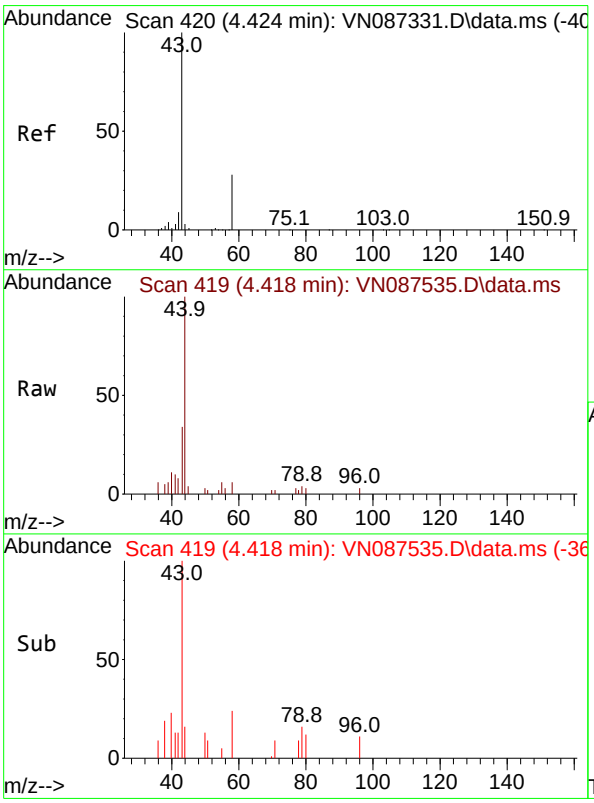
Ion	Ratio	Lower	Upper
168	100		
99	68.4	47.9	71.9



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

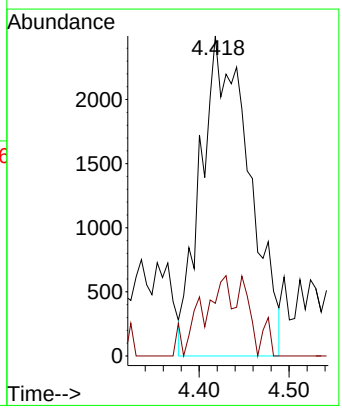
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

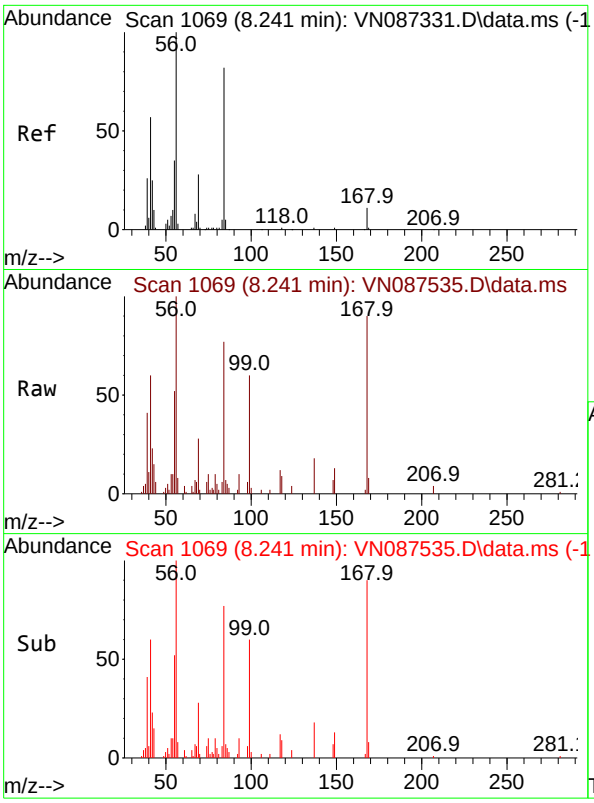


#16
Acetone
Concen: 5.165 ug/l m
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 43 Resp: 9285

Ion	Ratio	Lower	Upper
43	100		
58	16.4	22.3	33.5#

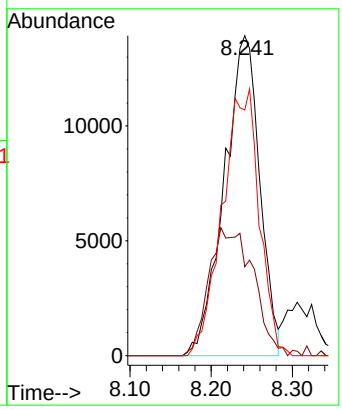




#31
Cyclohexane
Concen: 8.993 ug/l
RT: 8.241 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 56 Resp: 4238

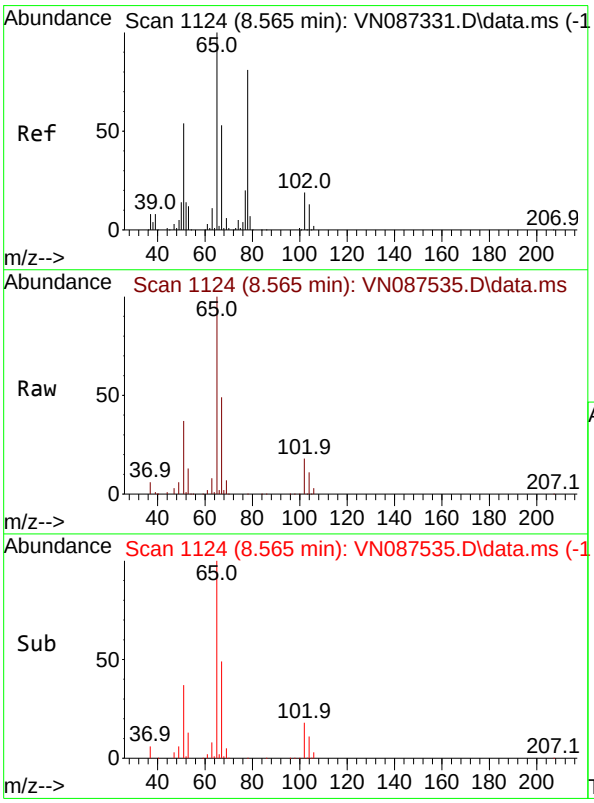
Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.7	34.1
84	76.8	65.8	98.6



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

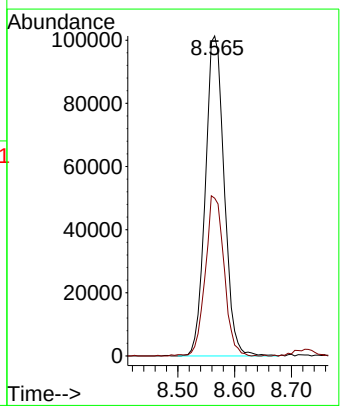
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

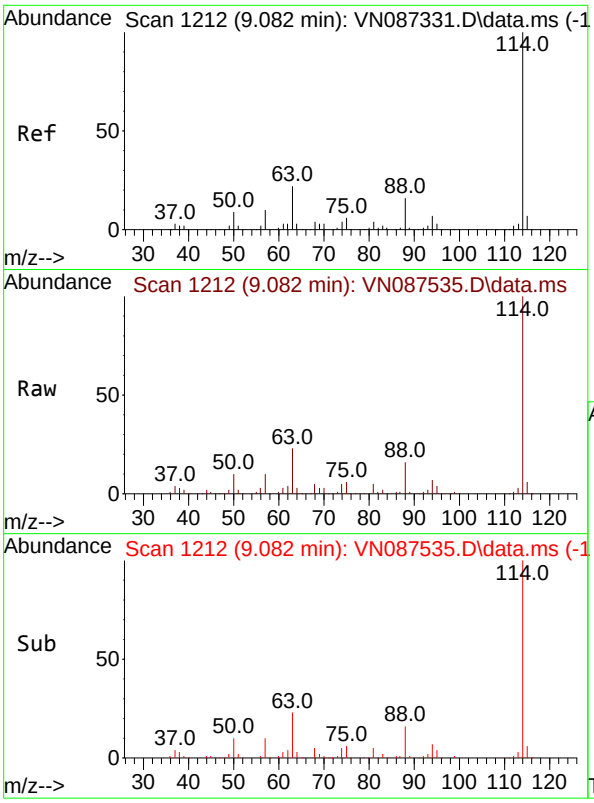


#33
1,2-Dichloroethane-d4
Concen: 60.699 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 65 Resp: 232717

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	104.0

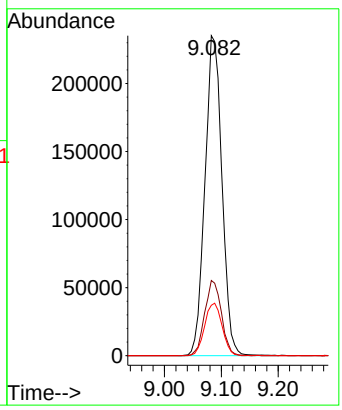




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:114 Resp: 48790

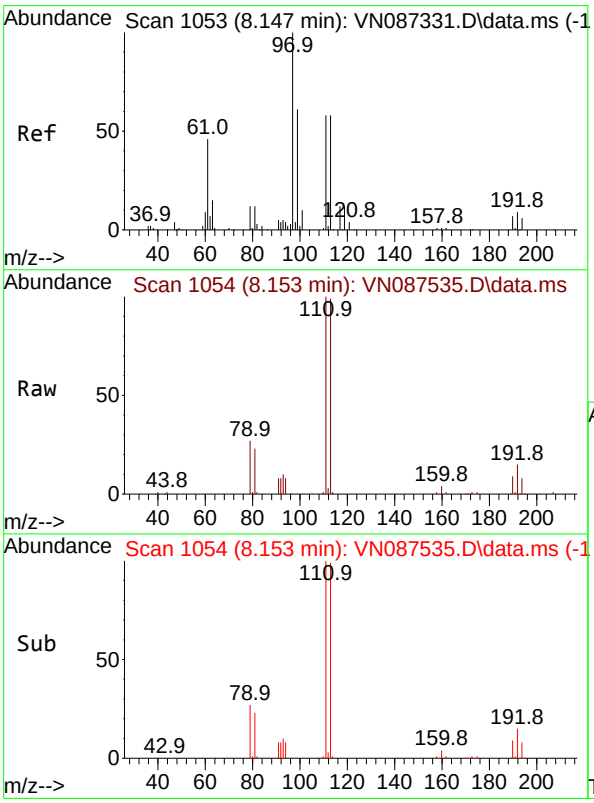
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	44.6
88	15.8	0.0	32.8



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

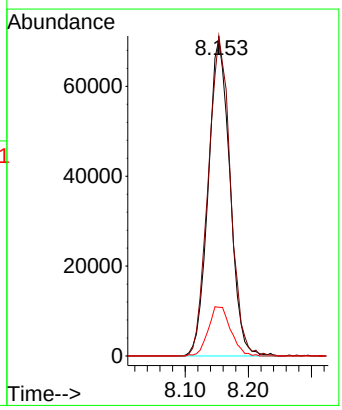
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

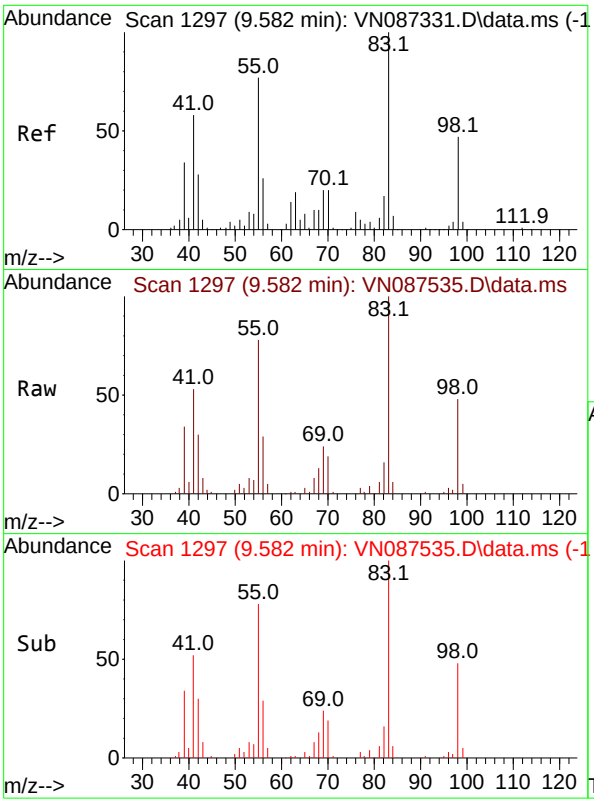


#35
Dibromofluoromethane
Concen: 49.872 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:113 Resp: 167848

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.5	123.7
192	16.1	13.7	20.5

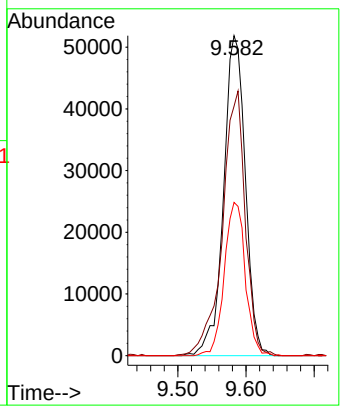




#39
Methylcyclohexane
Concen: 23.986 ug/l
RT: 9.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 83 Resp: 11546

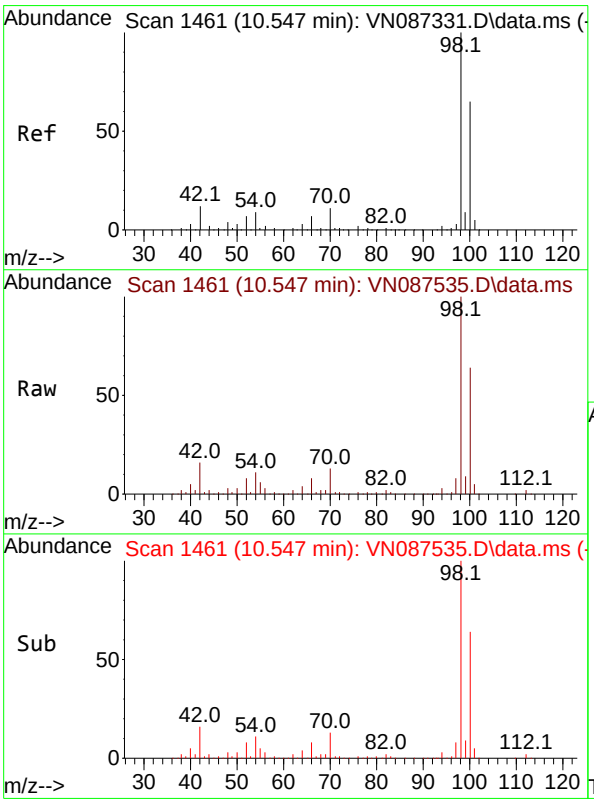
Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.3	91.9
98	47.9	37.9	56.9



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

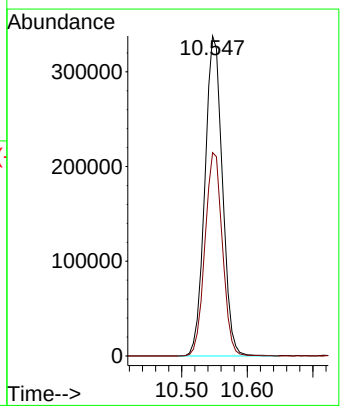
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

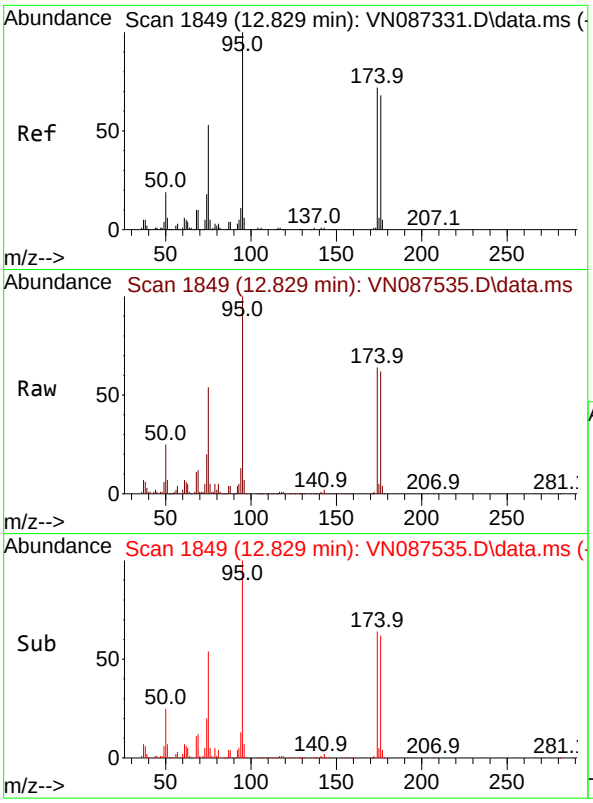


#50
Toluene-d8
Concen: 52.319 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 98 Resp: 628105

Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.1	78.1

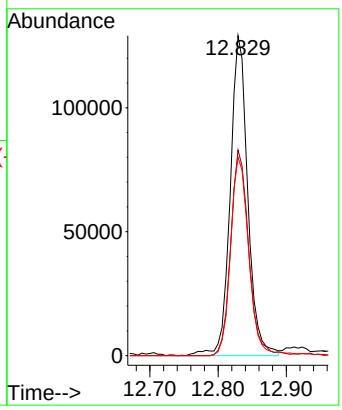




#62
4-Bromofluorobenzene
Concen: 52.148 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 95 Resp: 23129

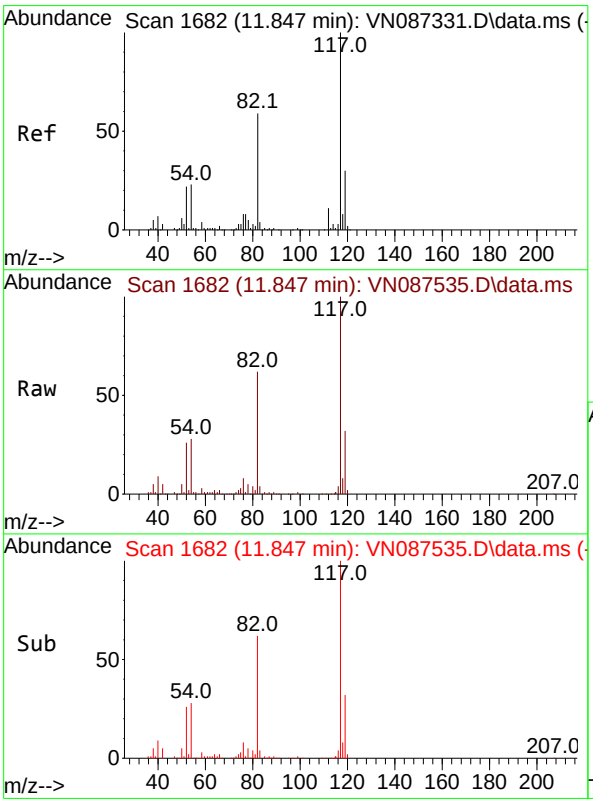
Ion	Ratio	Lower	Upper
95	100		
174	65.9	0.0	149.4
176	64.1	0.0	141.2



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

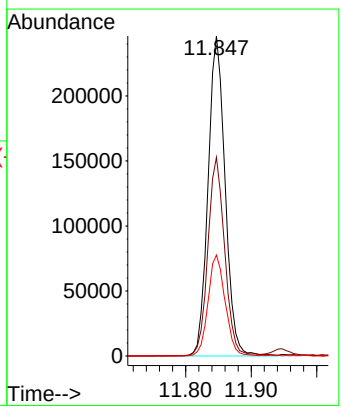
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

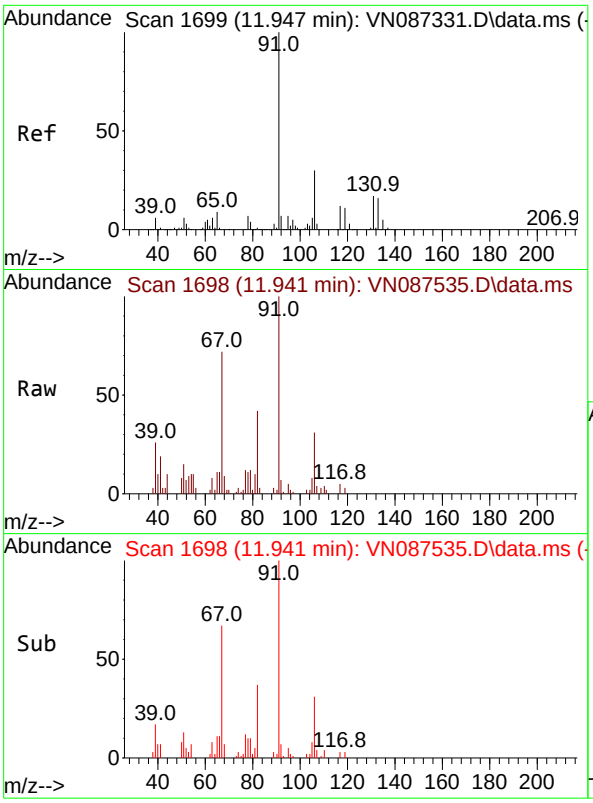


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:117 Resp: 444655

Ion	Ratio	Lower	Upper
117	100		
82	61.9	47.4	71.2
119	31.5	23.8	35.8

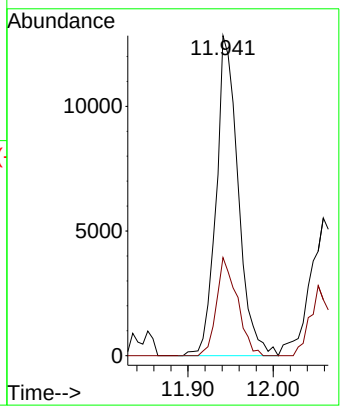




#67
Ethyl Benzene
Concen: 1.405 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 91 Resp: 2309

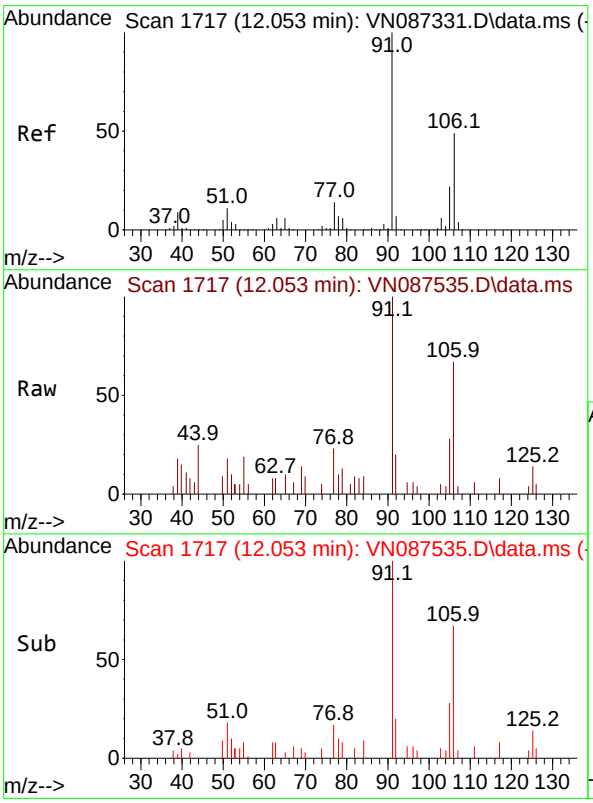
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

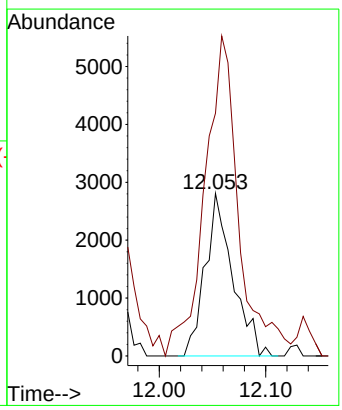
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

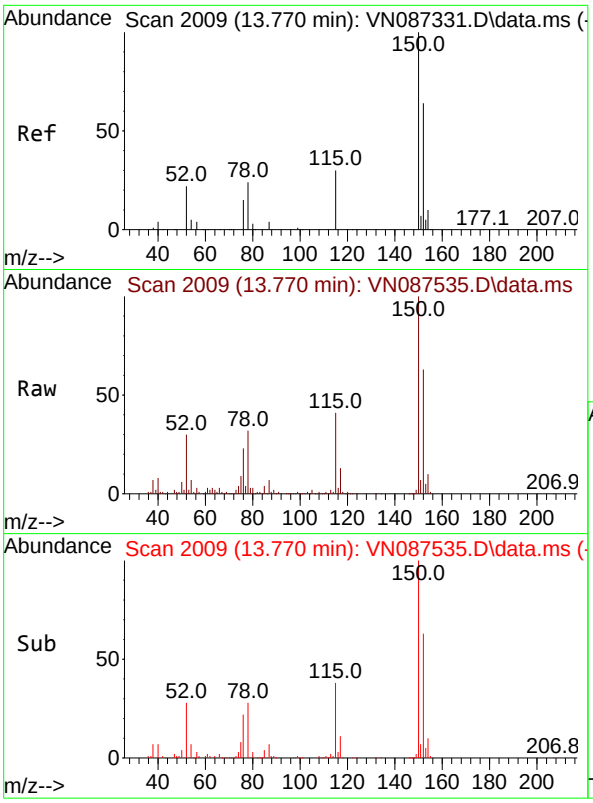


#68
m/p-Xylenes
Concen: 0.821 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:106 Resp: 5052

Ion	Ratio	Lower	Upper
106	100		
91	241.9	162.0	243.0

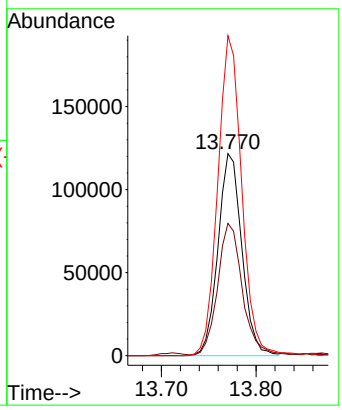




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:152 Resp: 213040

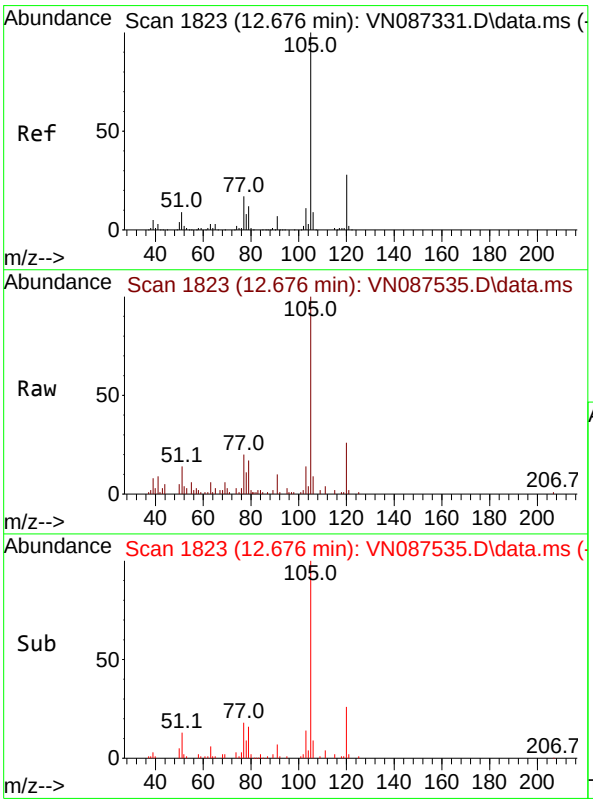
Ion	Ratio	Lower	Upper
152	100		
115	67.2	31.1	93.5
150	159.4	0.0	349.0



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

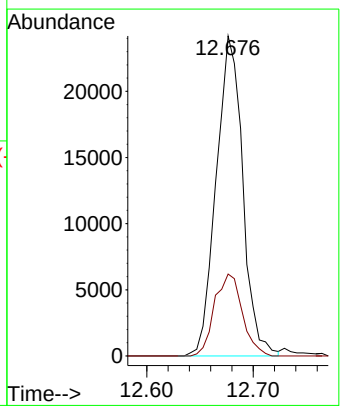
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

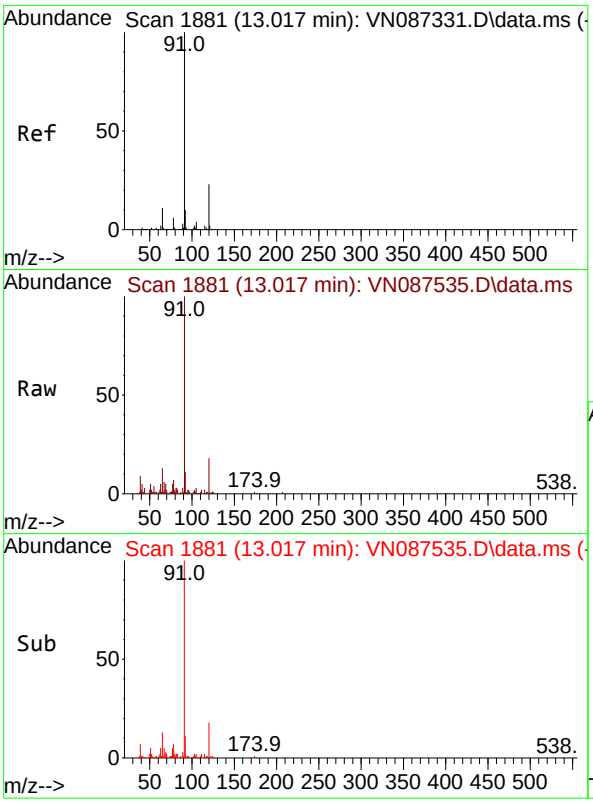


#73
Isopropylbenzene
Concen: 3.113 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:105 Resp: 41734

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.1

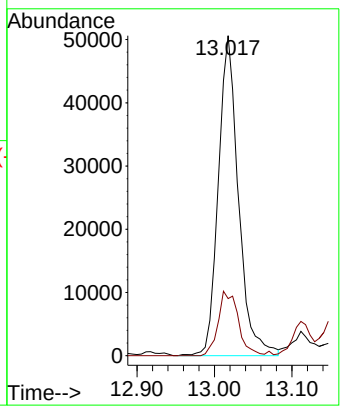




#78
n-propylbenzene
Concen: 5.427 ug/l
RT: 13.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 91 Resp: 9154

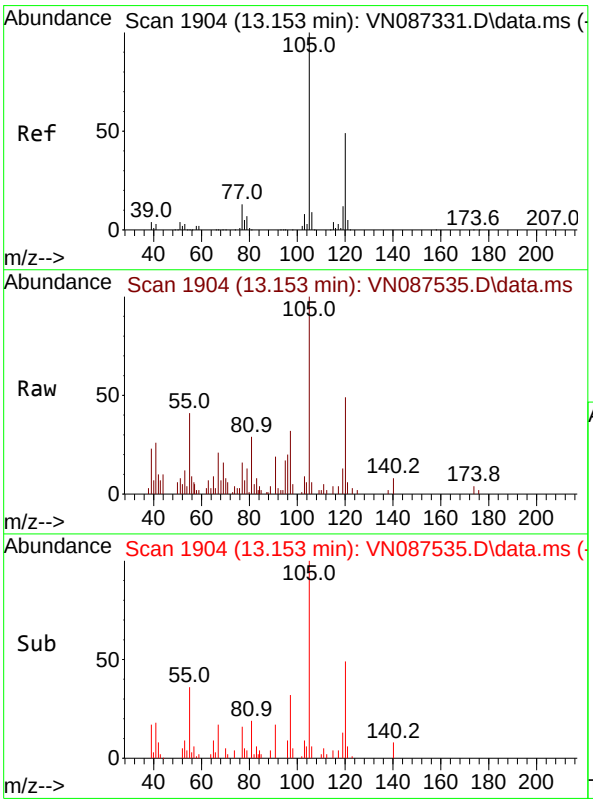
Ion	Ratio	Lower	Upper
91	100		
120	20.1	11.3	33.8



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

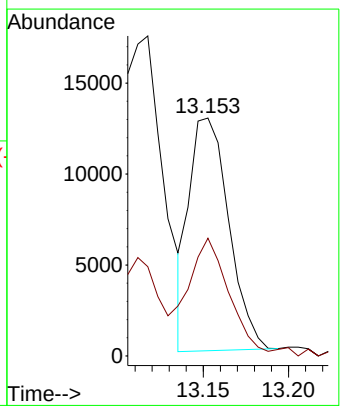
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

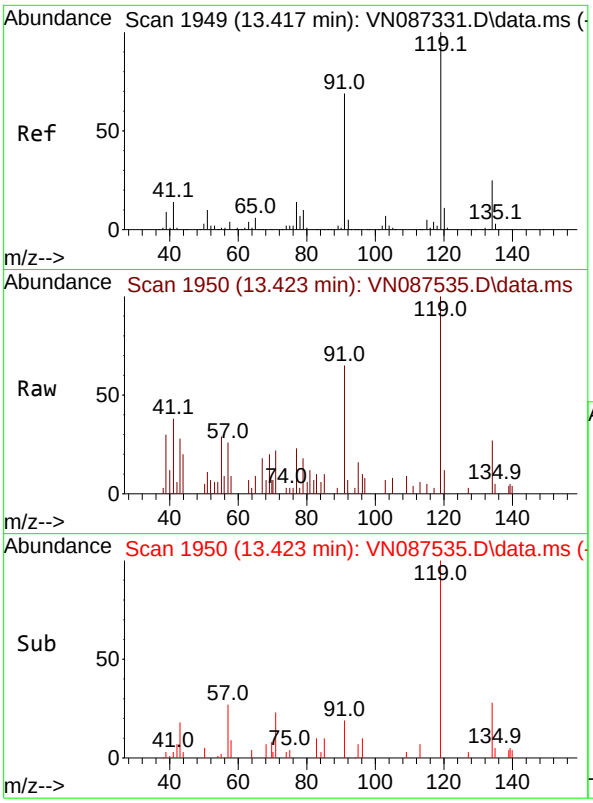


#80
1,3,5-Trimethylbenzene
Concen: 1.805 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:105 Resp: 20619

Ion	Ratio	Lower	Upper
105	100		
120	54.8	24.3	72.8

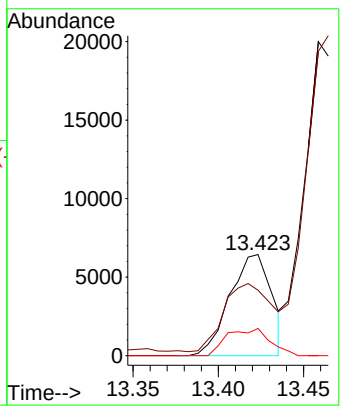




#83
tert-Butylbenzene
Concen: 1.153 ug/l
RT: 13.423 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:119 Resp: 1100

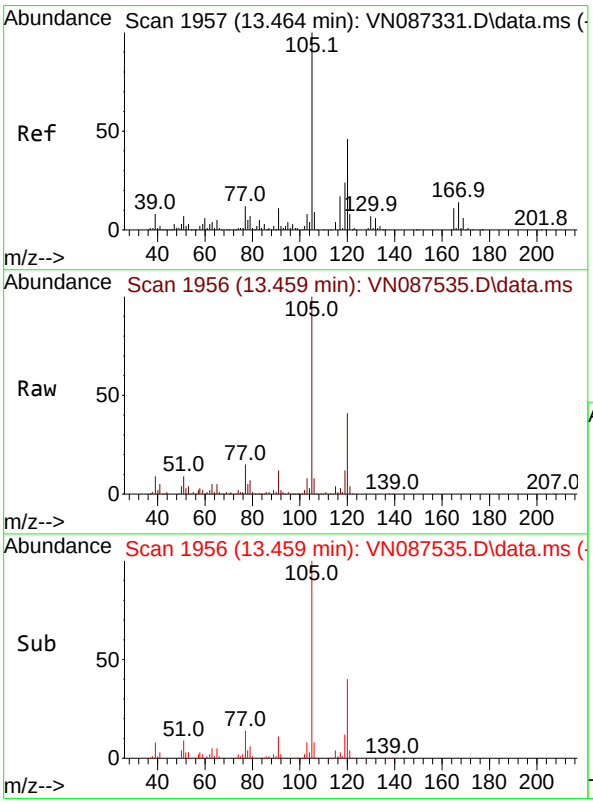
Ion	Ratio	Lower	Upper
119	100		
91	80.2	35.0	105.1
134	27.7	12.6	37.6



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

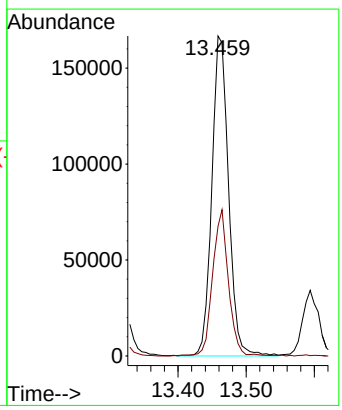
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

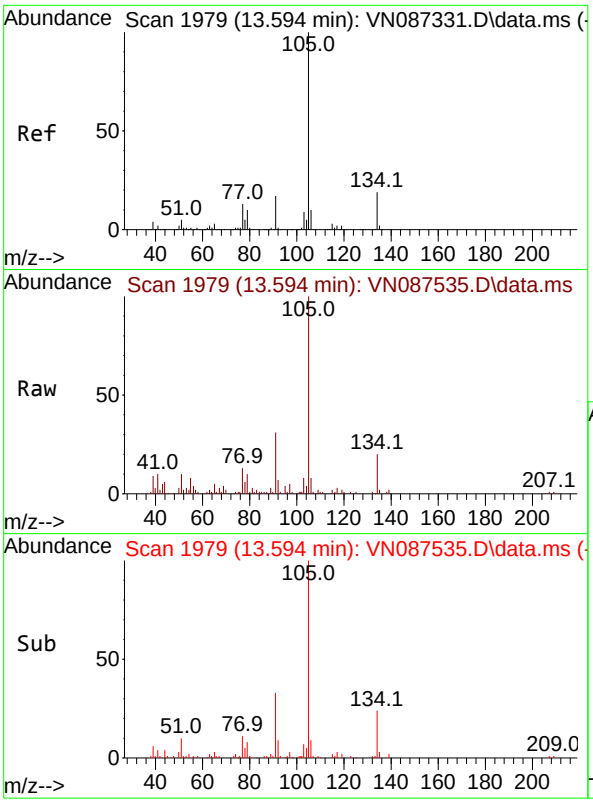


#84
1,2,4-Trimethylbenzene
Concen: 24.411 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:105 Resp: 284789

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.8	68.3

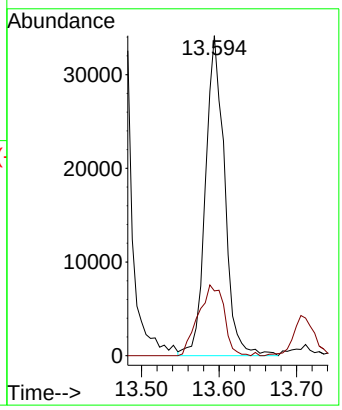




#85
sec-Butylbenzene
Concen: 4.070 ug/l
RT: 13.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:105 Resp: 5848

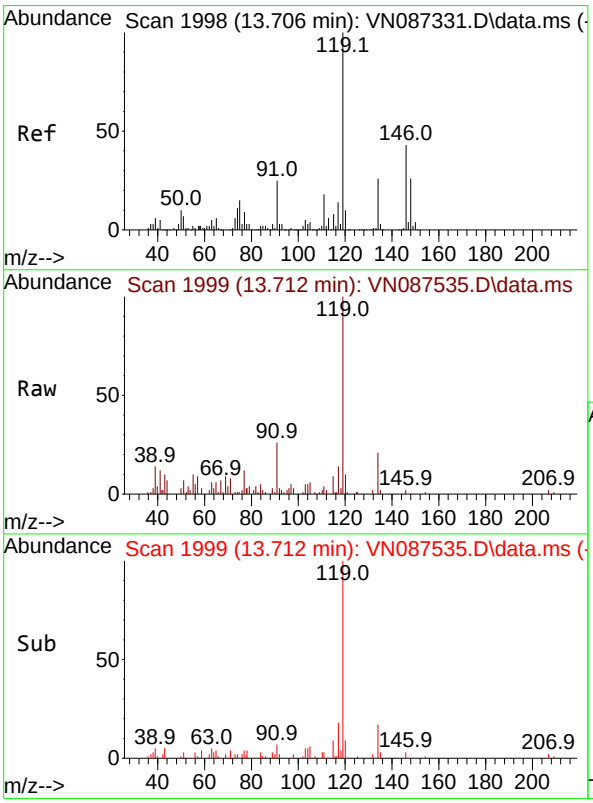
Ion	Ratio	Lower	Upper
105	100		
134	29.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

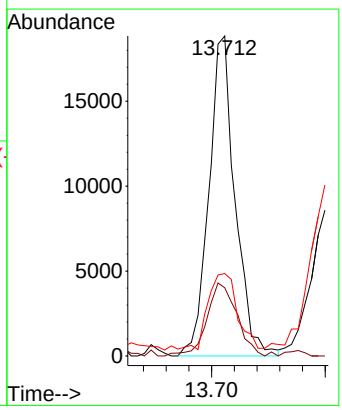
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

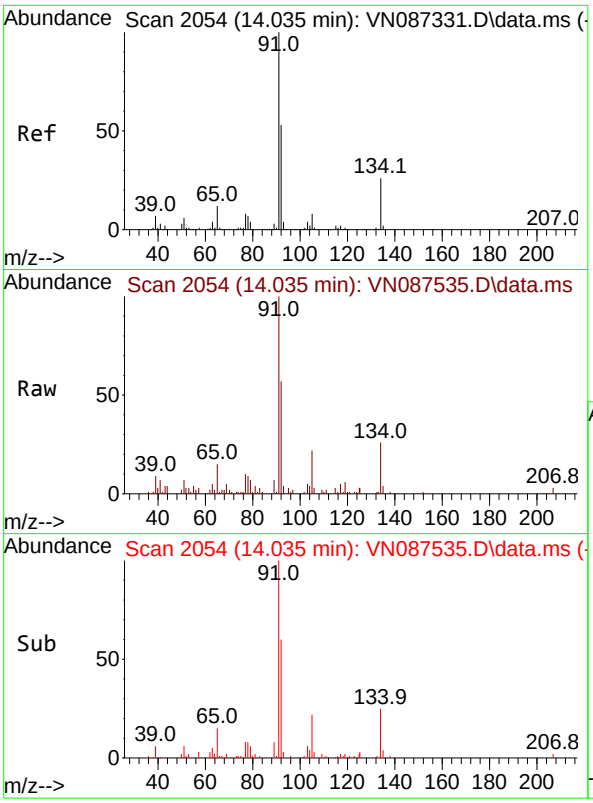


#86
p-Isopropyltoluene
Concen: 2.625 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:119 Resp: 30231

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.5	40.5
91	27.3	12.2	36.6

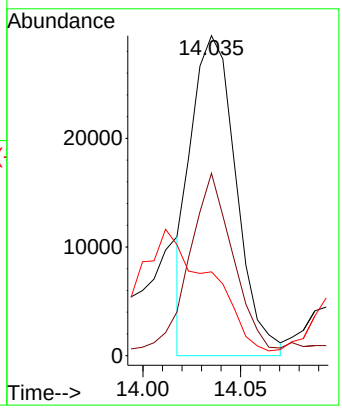




#89
n-Butylbenzene
Concen: 4.297 ug/l m
RT: 14.035 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 91 Resp: 4726

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.2	78.6
134	0.0	12.4	37.2#



Instrument :
MSVOA_N
ClientSampleId :
TW1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

A B C D E F G H I J

Sample Results: **VN087535.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

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\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087535.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.800	643	654	662	rBV9	8658	27093	1.36%	0.108%
2	7.312	901	911	922	rBV2	44456	122862	6.16%	0.488%
3	8.153	1045	1054	1059	rBV	238170	590765	29.60%	2.347%
4	8.212	1059	1064	1077	rVV2	356865	929026	46.55%	3.690%
5	8.318	1077	1082	1090	rVV5	11826	28339	1.42%	0.113%
6	8.430	1094	1101	1108	rBV4	19264	45328	2.27%	0.180%
7	8.500	1108	1113	1116	rVV5	14739	32301	1.62%	0.128%
8	8.565	1116	1124	1137	rVV	274526	634511	31.79%	2.520%
9	8.706	1138	1148	1154	rVV4	36105	95818	4.80%	0.381%
10	8.777	1155	1160	1165	rVV3	28555	64596	3.24%	0.257%
11	8.835	1165	1170	1183	rVB3	53815	122029	6.11%	0.485%
12	9.082	1201	1212	1222	rBV	590630	1245577	62.41%	4.947%
13	9.582	1282	1297	1313	rBV2	279501	685778	34.36%	2.724%
14	9.759	1319	1327	1333	rVV4	23165	43315	2.17%	0.172%
15	9.847	1335	1342	1348	rVB4	19654	41969	2.10%	0.167%
16	9.982	1358	1365	1376	rVB6	23836	57414	2.88%	0.228%
17	10.188	1394	1400	1410	rVB4	18591	48793	2.44%	0.194%
18	10.318	1413	1422	1435	rBV5	24665	63545	3.18%	0.252%
19	10.547	1453	1461	1478	rBV	1016245	1995728	100.00%	7.927%
20	10.676	1478	1483	1486	rVV5	9441	19992	1.00%	0.079%
21	10.724	1486	1491	1502	rVB5	42243	103524	5.19%	0.411%
22	10.894	1513	1520	1527	rVB2	68630	133148	6.67%	0.529%
23	10.982	1527	1535	1541	rBV3	36863	84736	4.25%	0.337%
24	11.147	1556	1563	1569	rVB7	10694	22504	1.13%	0.089%
25	11.253	1569	1581	1584	rBV8	9198	30074	1.51%	0.119%
26	11.323	1589	1593	1597	rBV6	12461	22587	1.13%	0.090%
27	11.400	1597	1606	1611	rVV2	92530	203876	10.22%	0.810%
28	11.453	1611	1615	1620	rVV2	54779	93457	4.68%	0.371%
29	11.553	1628	1632	1637	rVB7	14697	26246	1.32%	0.104%
30	11.659	1643	1650	1657	rVB4	25556	52742	2.64%	0.209%
31	11.723	1657	1661	1666	rBV3	11802	21424	1.07%	0.085%
32	11.847	1674	1682	1693	rBV	845345	1518830	76.10%	6.033%
33	11.947	1693	1699	1703	rBV2	57553	101971	5.11%	0.405%
34	12.094	1719	1724	1736	rVB6	45112	154721	7.75%	0.615%
35	12.259	1745	1752	1760	rVB5	21454	45905	2.30%	0.182%
36	12.353	1760	1768	1775	rBV6	42618	118752	5.95%	0.472%

Sample Results: **VN087535.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

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\82N071625W.M
Title : SW846 8260

37	12.518	1791	1796	1797	rBV4	21071	29936	1.50%	0.119%
38	12.559	1799	1803	1807	rVV5	51585	90349	4.53%	0.359%
39	12.676	1818	1823	1833	rVB	63454	113171	5.67%	0.450%
40	12.829	1842	1849	1858	rBV	634235	1118994	56.07%	4.445%
41	12.912	1859	1863	1868	rVV4	30771	57883	2.90%	0.230%
42	13.012	1871	1880	1886	rVV2	120721	257132	12.88%	1.021%
43	13.112	1892	1897	1900	rVV	53986	103395	5.18%	0.411%
44	13.153	1900	1904	1911	rVV5	73997	158788	7.96%	0.631%
45	13.317	1924	1932	1938	rBV	82820	182394	9.14%	0.724%
46	13.376	1938	1942	1945	rBV4	23090	40816	2.05%	0.162%
47	13.406	1945	1947	1951	rVV5	21455	30925	1.55%	0.123%
48	13.459	1951	1956	1968	rVB	484404	838830	42.03%	3.332%
49	13.594	1968	1979	1984	rBV4	93552	227313	11.39%	0.903%
50	13.664	1985	1991	1994	rBV5	25135	45768	2.29%	0.182%
51	13.706	1994	1998	2003	rBV2	46934	80565	4.04%	0.320%
52	13.770	2003	2009	2020	rBV2	840599	1823259	91.36%	7.242%
53	13.859	2021	2024	2029	rVB3	30629	47088	2.36%	0.187%
54	13.929	2030	2036	2040	rBV	118604	191689	9.60%	0.761%
55	13.976	2040	2044	2046	rBV2	54508	82840	4.15%	0.329%
56	14.012	2047	2050	2053	rBV2	44674	58770	2.94%	0.233%
57	14.100	2059	2065	2071	rBV3	134261	240580	12.05%	0.956%
58	14.164	2071	2076	2080	rVV	67629	118824	5.95%	0.472%
59	14.223	2081	2086	2088	rVV2	111113	183525	9.20%	0.729%
60	14.253	2088	2091	2096	rVV	149628	235667	11.81%	0.936%
61	14.306	2096	2100	2107	rVV	312330	502663	25.19%	1.997%
62	14.376	2108	2112	2113	rVV2	41184	47155	2.36%	0.187%
63	14.417	2114	2119	2125	rVB2	247447	464367	23.27%	1.844%
64	14.488	2126	2131	2137	rVB5	67992	121396	6.08%	0.482%
65	14.553	2137	2142	2147	rBV3	122677	214784	10.76%	0.853%
66	14.635	2147	2156	2159	rVV3	278753	568138	28.47%	2.257%
67	14.670	2159	2162	2166	rVB	181863	238668	11.96%	0.948%
68	14.711	2166	2169	2173	rVB2	79091	91950	4.61%	0.365%
69	14.776	2173	2180	2184	rVB5	77293	156620	7.85%	0.622%
70	14.841	2184	2191	2192	rBV4	33513	62894	3.15%	0.250%
71	14.906	2197	2202	2206	rBV4	98665	186045	9.32%	0.739%
72	14.947	2206	2209	2214	rVB3	67413	103966	5.21%	0.413%
73	15.011	2214	2220	2228	rBV3	511257	1254934	62.88%	4.985%
74	15.188	2245	2250	2256	rBV2	86390	160639	8.05%	0.638%
75	15.247	2256	2260	2263	rVV6	47459	82777	4.15%	0.329%
76	15.294	2263	2268	2273	rVV2	172707	368293	18.45%	1.463%

Sample Results: **VN087535.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

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\82N071625W.M
Title : SW846 8260

77	15.335	2273	2275	2281	rVV4	91924	176590	8.85%	0.701%
78	15.411	2282	2288	2297	rVB4	188046	474362	23.77%	1.884%
79	15.506	2299	2304	2309	rVB3	56989	101191	5.07%	0.402%
80	15.564	2309	2314	2318	rBV4	109507	206406	10.34%	0.820%
81	15.611	2318	2322	2328	rVB	195082	333646	16.72%	1.325%
82	15.670	2329	2332	2336	rBV3	34876	54841	2.75%	0.218%
83	15.723	2337	2341	2345	rBV2	49406	75823	3.80%	0.301%
84	15.911	2366	2373	2381	rBV7	68813	200055	10.02%	0.795%
85	16.000	2383	2388	2392	rBV8	37215	76414	3.83%	0.304%
86	16.088	2400	2403	2407	rBV4	31755	56881	2.85%	0.226%
87	16.141	2407	2412	2419	rVB3	115922	221463	11.10%	0.880%
88	16.229	2422	2427	2433	rBV5	52626	94169	4.72%	0.374%
89	16.470	2458	2468	2478	rBV6	130236	363950	18.24%	1.446%
90	16.588	2481	2488	2494	rVB6	54339	124466	6.24%	0.494%
91	16.676	2494	2503	2508	rBV7	53868	149866	7.51%	0.595%
92	16.753	2508	2516	2522	rBV	780826	1853119	92.85%	7.361%

Sum of corrected areas: 25176308

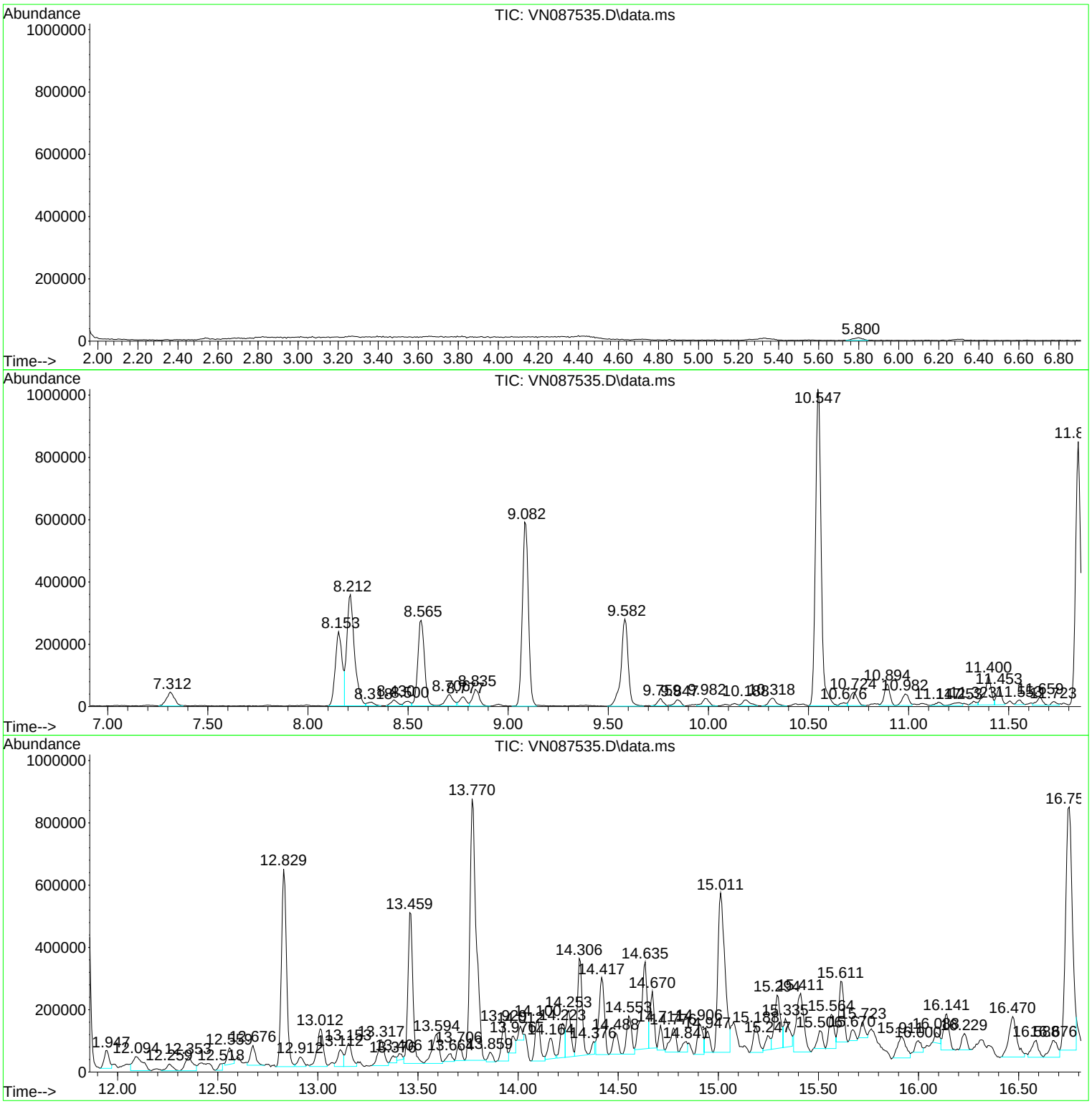
Sample Results: **VN087535.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

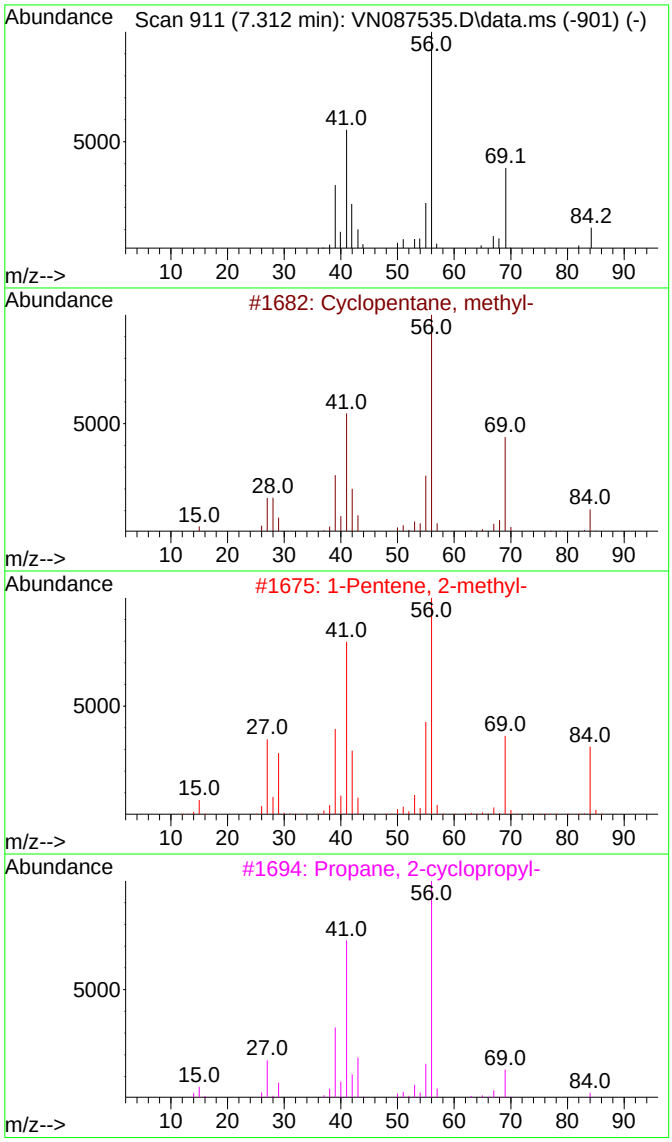
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

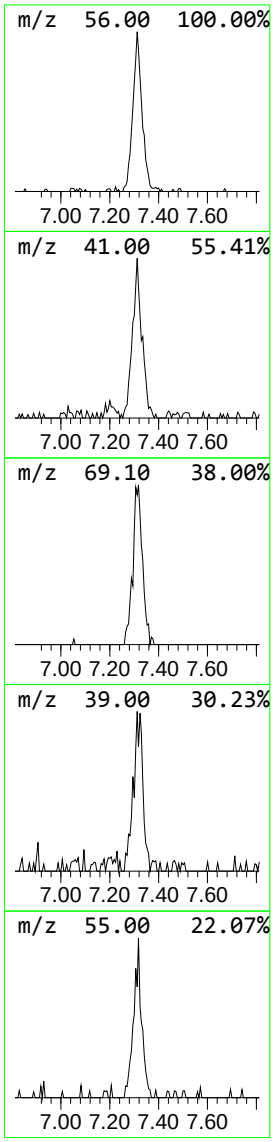
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	6.61 ug/l	122862	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

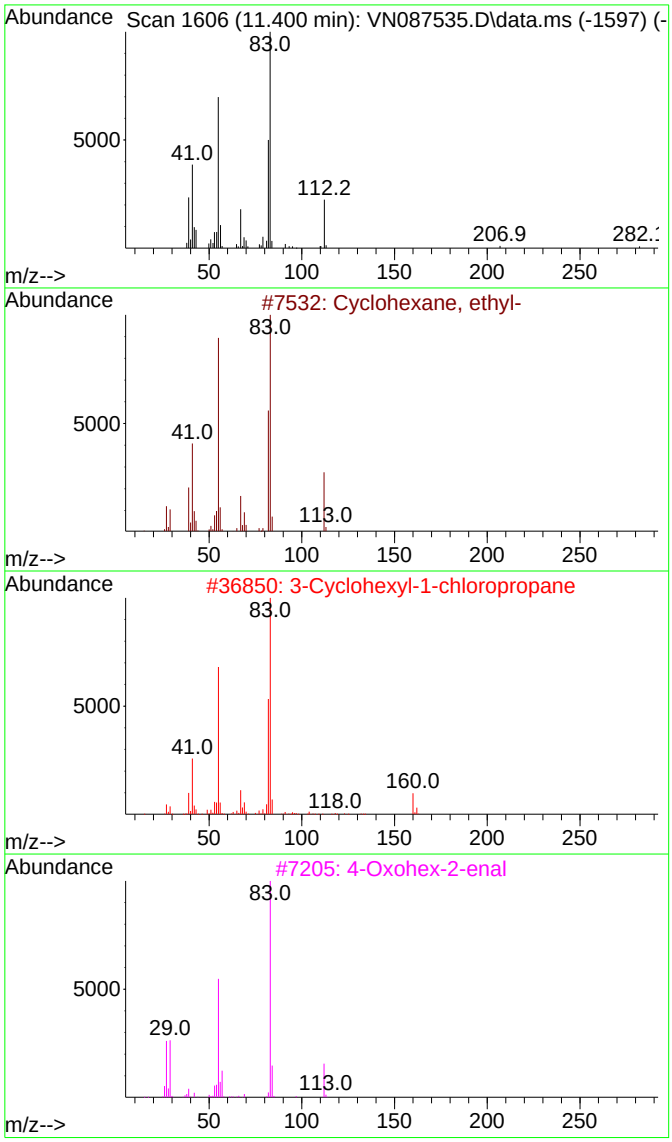
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

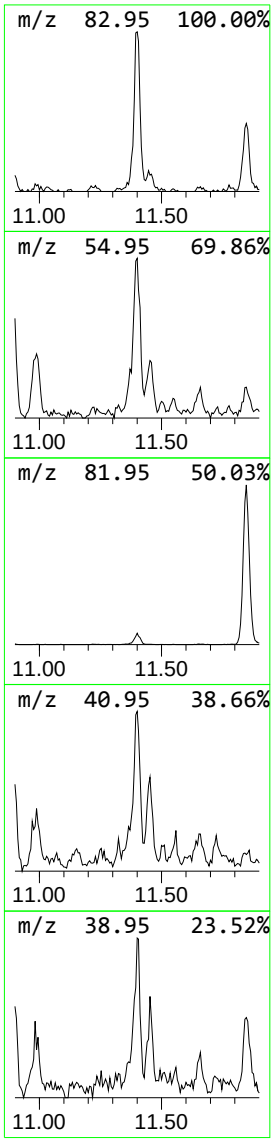
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.400	6.71 ug/l	203876	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	64
3	4-Oxohex-2-enal	112	C6H8O2	020697-55-6	50
4	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	50
5	Heptylcyclohexane	182	C13H26	005617-41-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

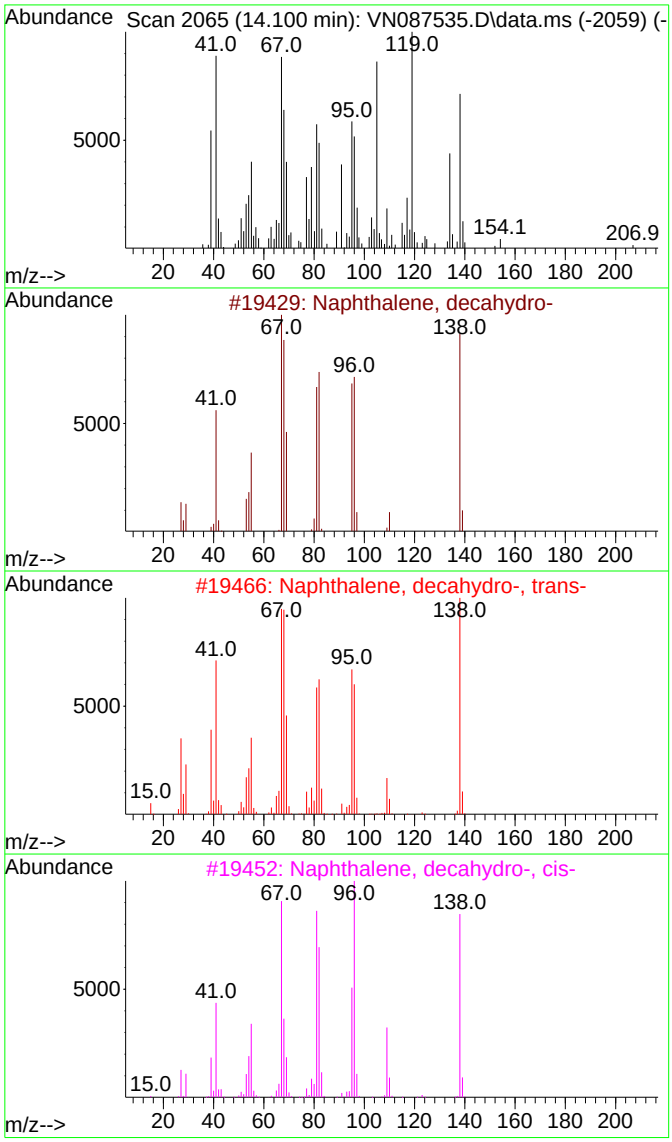
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

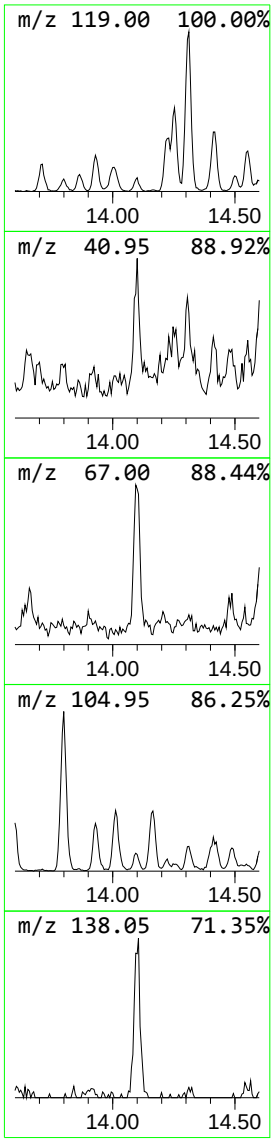
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, decahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.100	6.60 ug/l	240580	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	83
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	64
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	55
4	Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	53
5	Spiro[4.5]decane	138	C10H18	000176-63-6	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

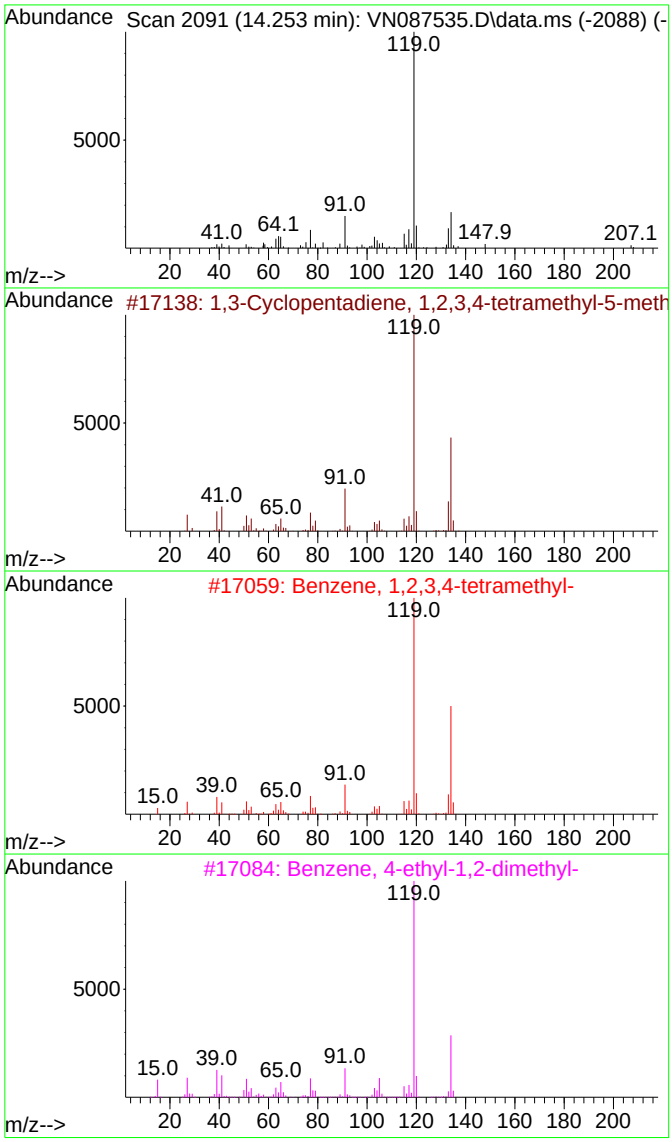
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

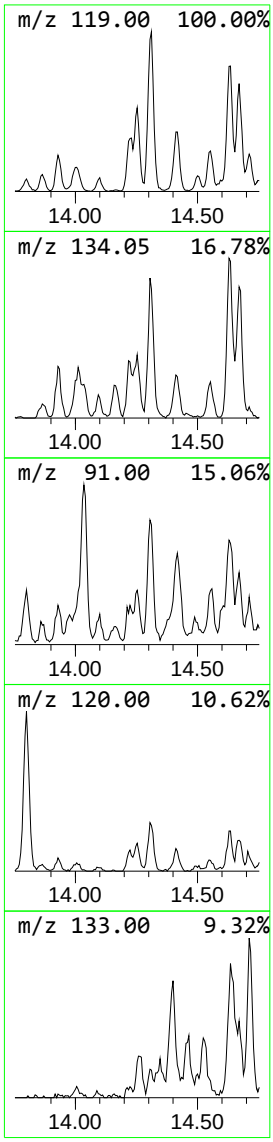
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.253	6.46 ug/l	235667	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

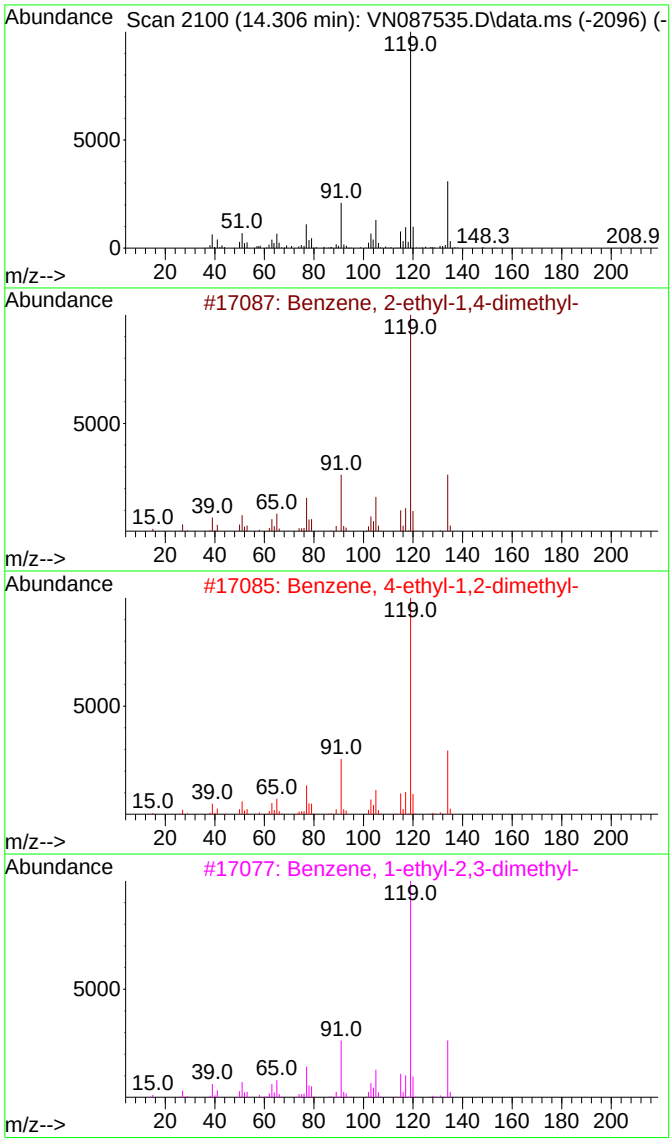
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

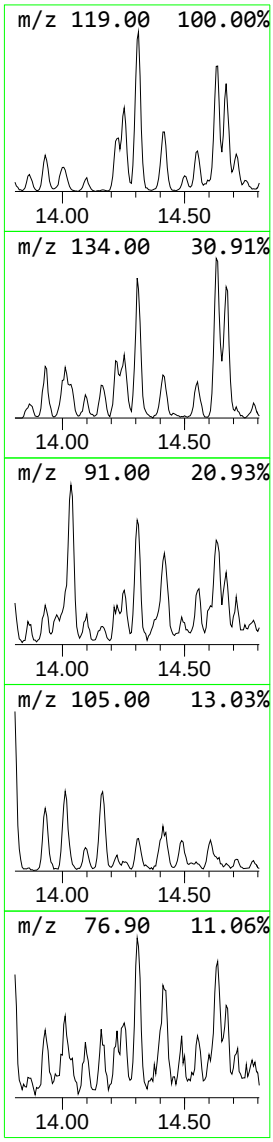
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	13.78 ug/l	502663	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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

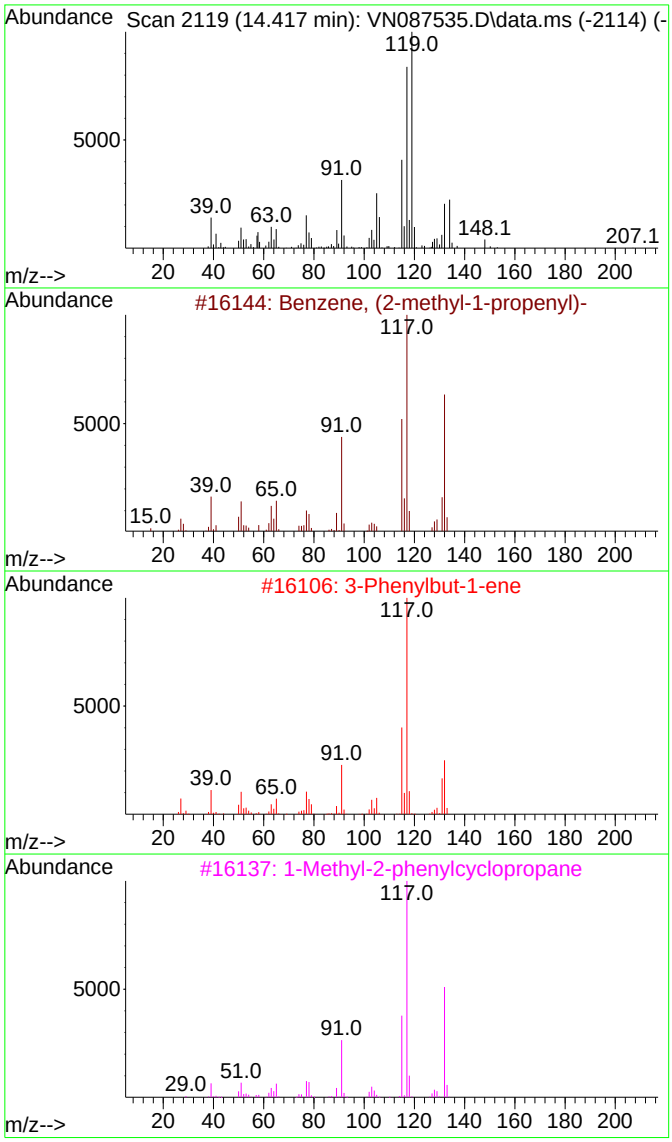
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

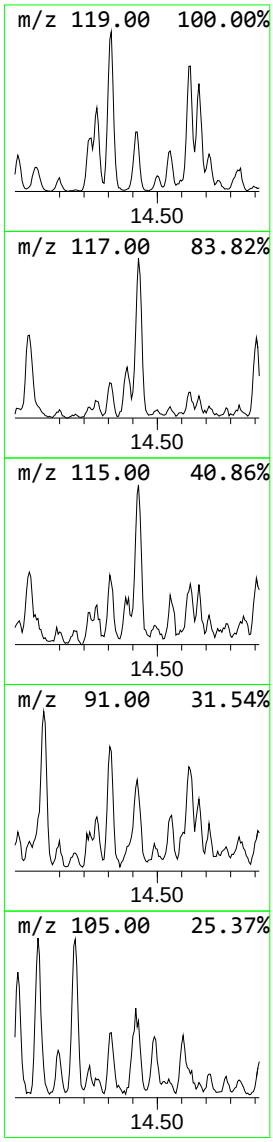
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.417	12.73 ug/l	464367	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	50
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	45
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

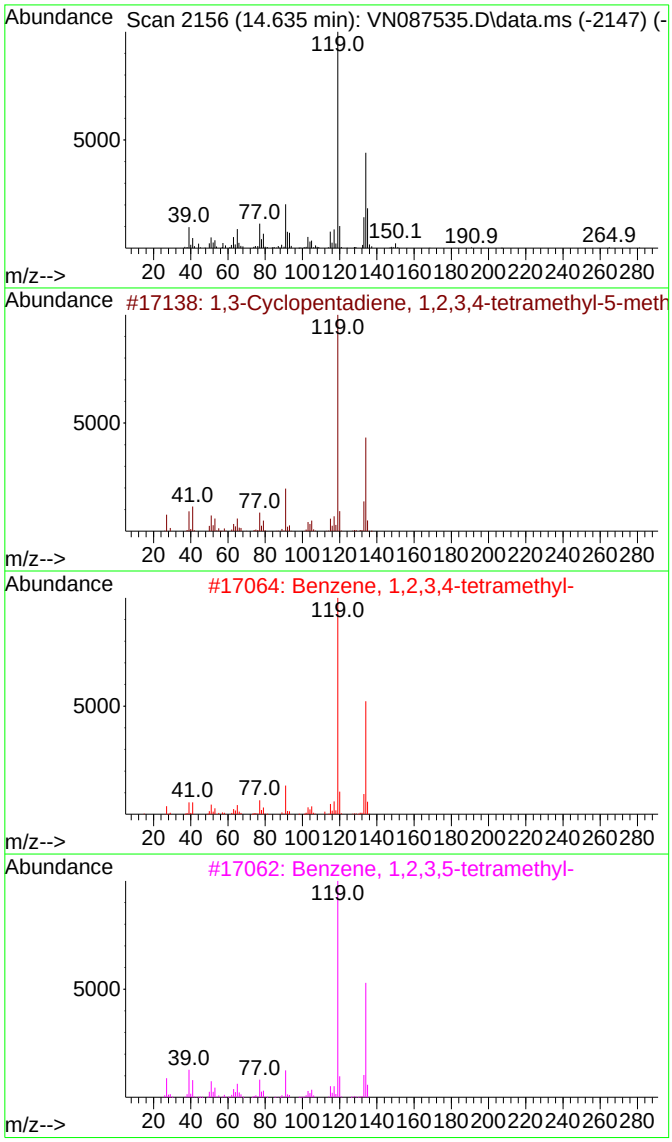
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

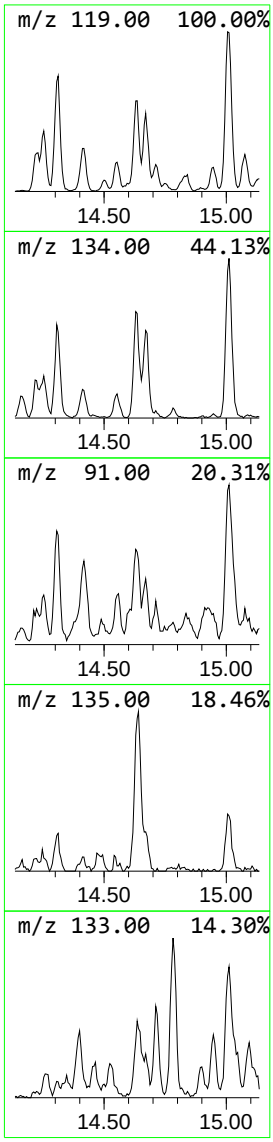
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.635	15.58 ug/l	568138	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

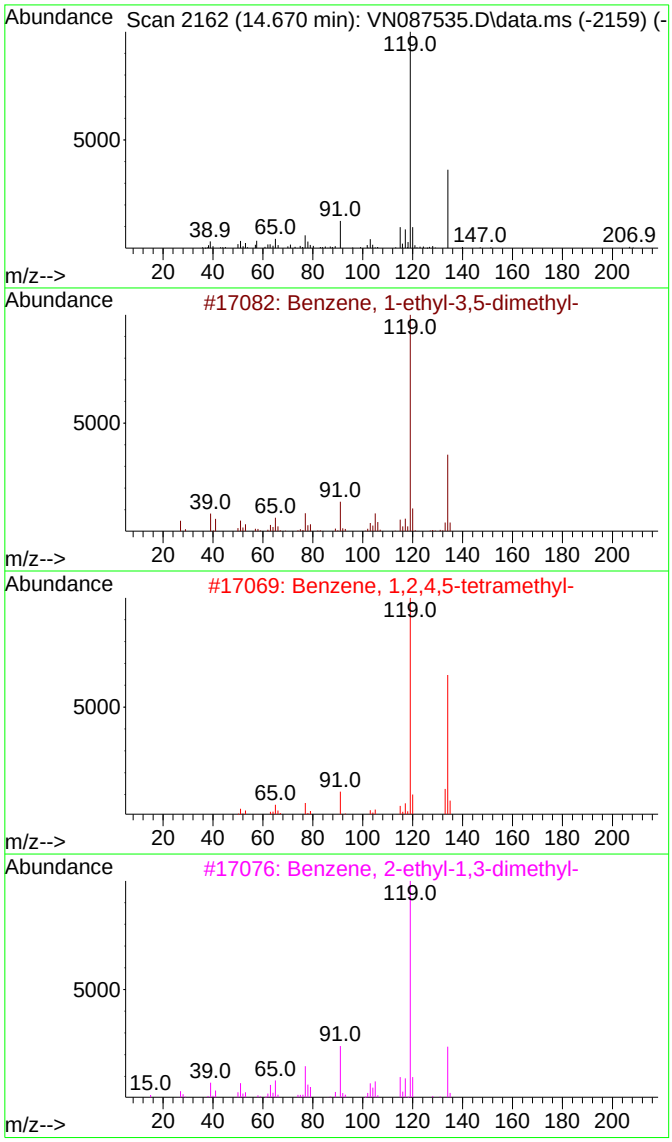
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

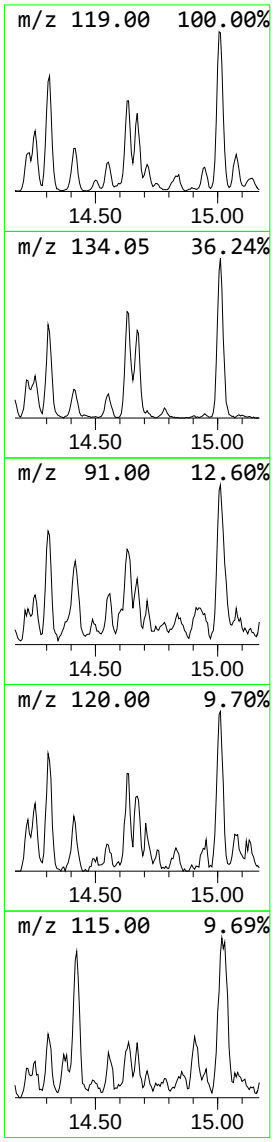
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.670	6.55 ug/l	238668	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

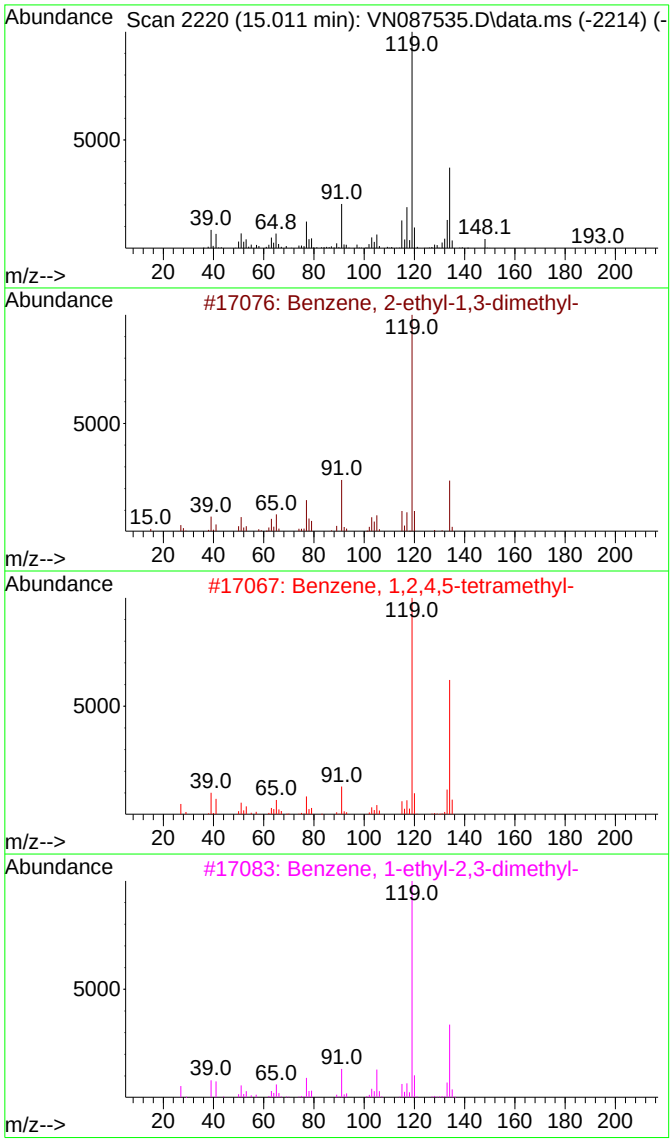
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

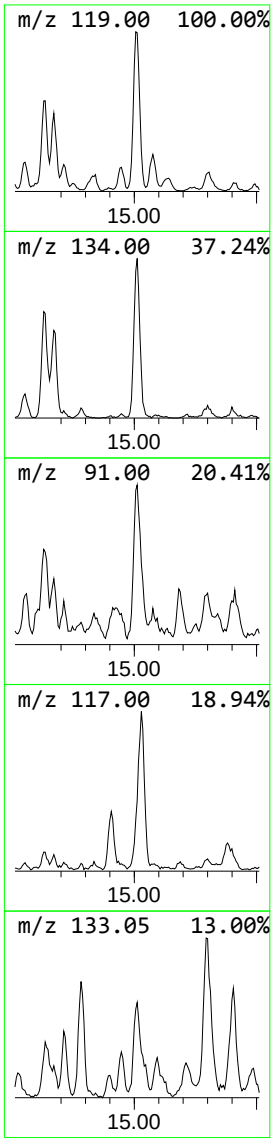
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.012	34.41 ug/l	1254930	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

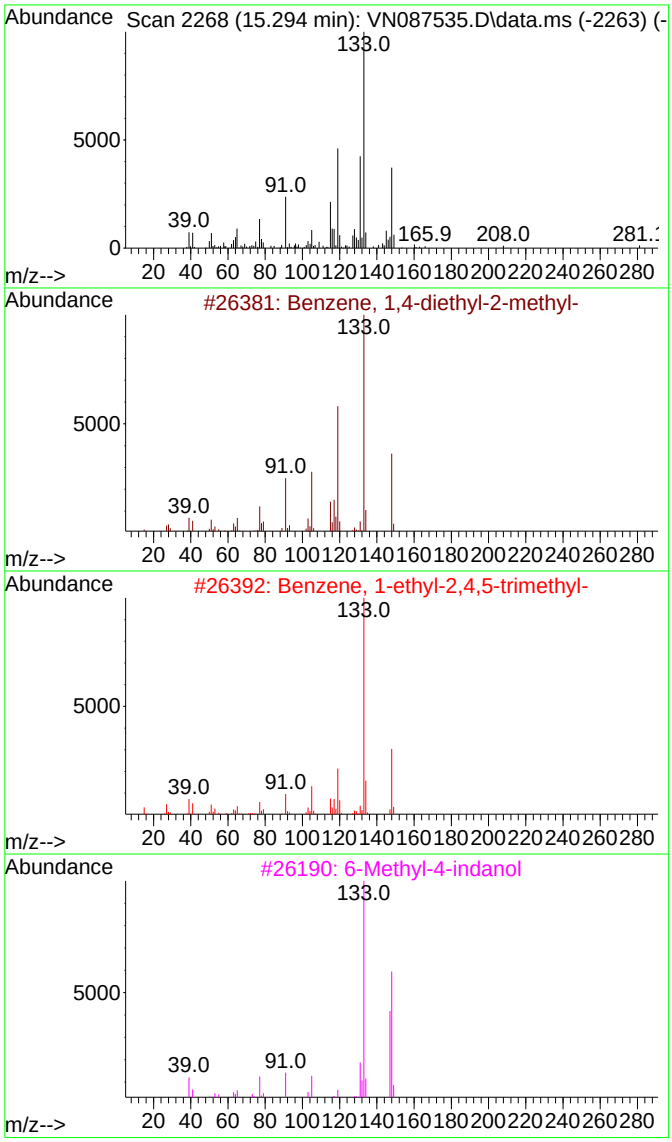
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

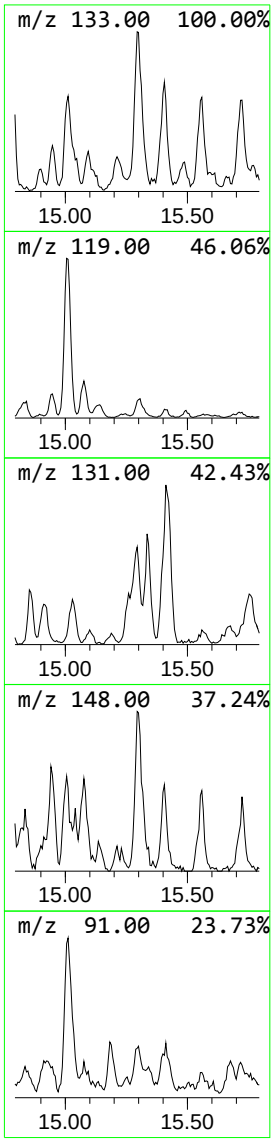
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.294	10.10 ug/l	368293	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	58
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	50
3	6-Methyl-4-indanol	148	C10H12O	020294-32-0	43
4	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	38
5	Pyrazine, 2,5-dimethyl-3-(1-prop...	148	C9H12N2	055138-73-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

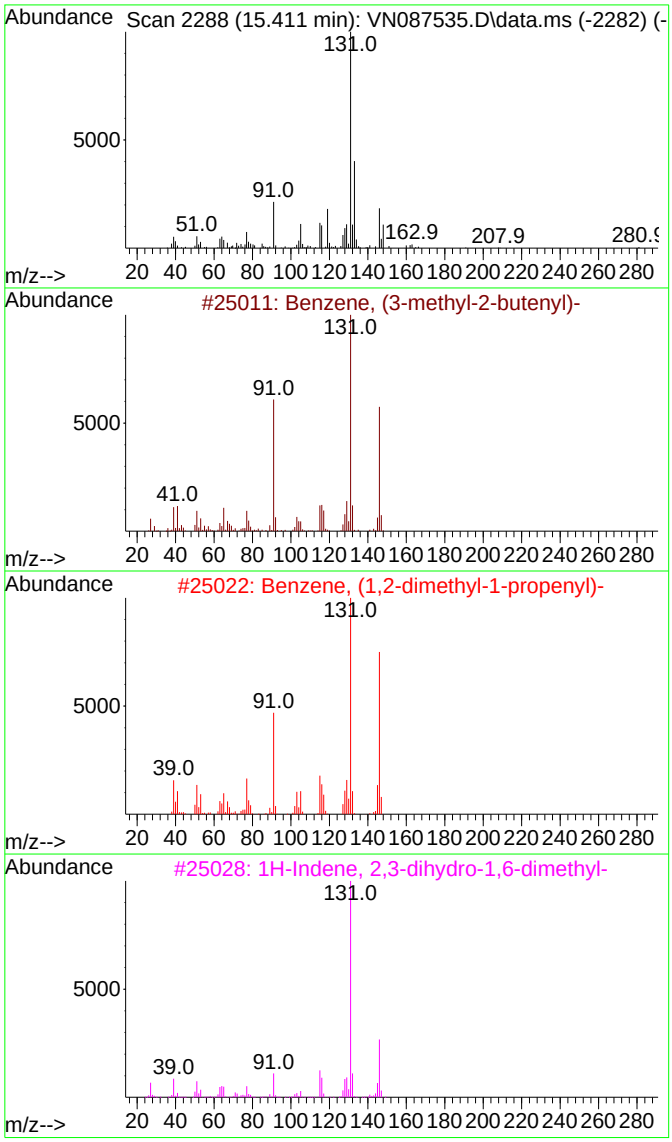
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

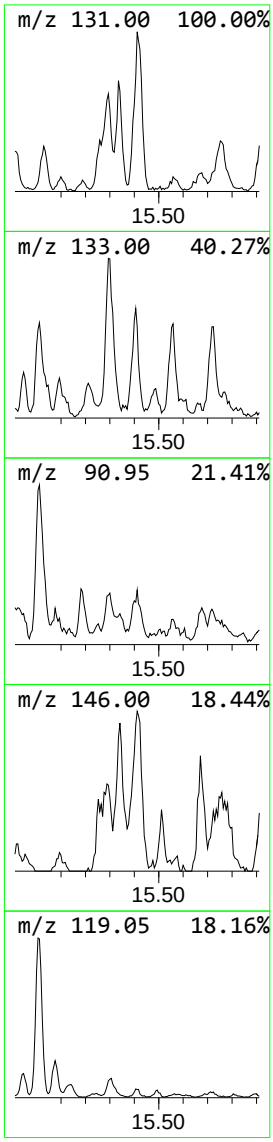
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, (3-methyl-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.411	13.01 ug/l	474362	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	62
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

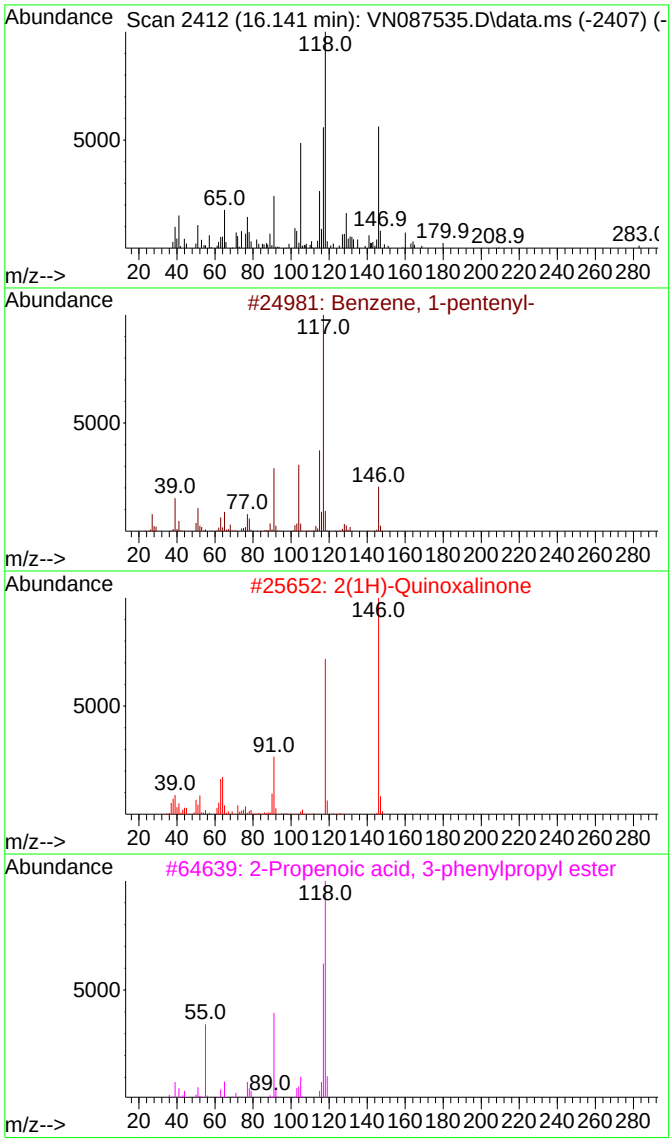
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

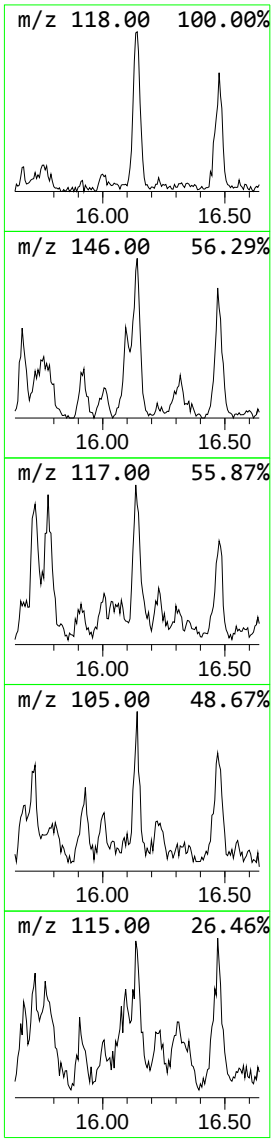
****

Peak Number 13 unknown16.141 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.141	6.07 ug/l	221463	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	45
2	2(1H)-Quinoxalinone	146	C8H6N2O	001196-57-2	43
3	2-Propenoic acid, 3-phenylpropyl...	190	C12H14O2	085909-41-7	43
4	Cyclobutanone, 3-phenylmethyl-	160	C11H12O	055262-02-7	43
5	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

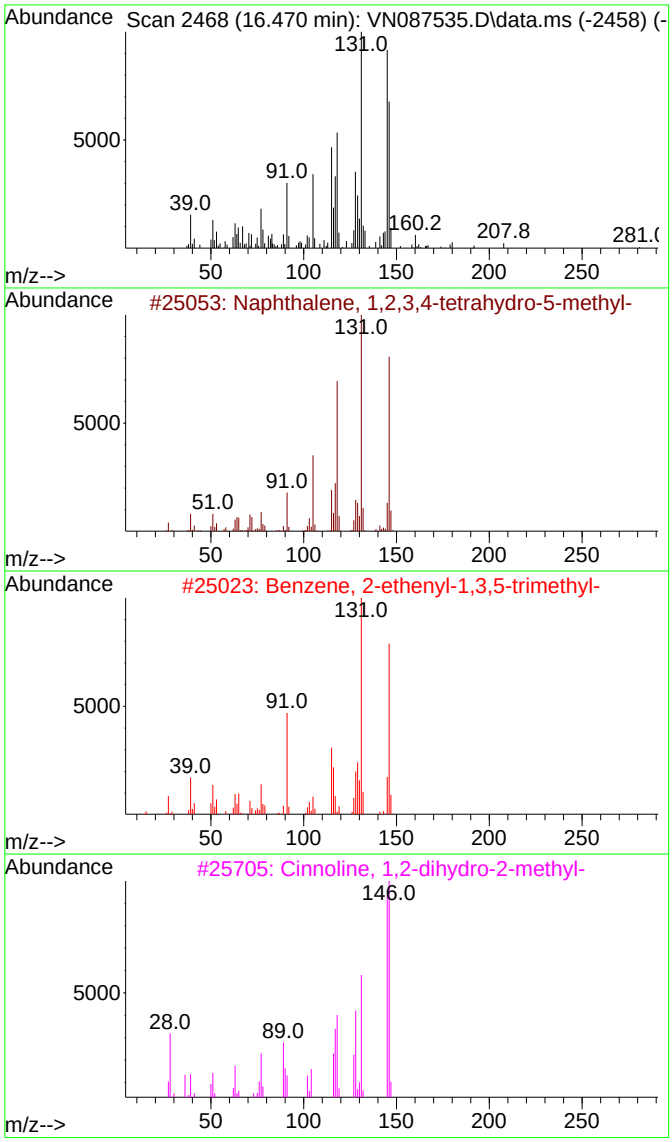
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

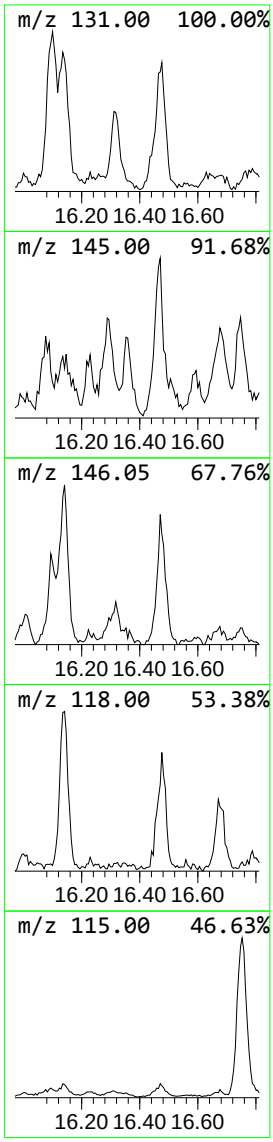
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.470	9.98 ug/l	363950	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
3	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	53
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	53
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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
Cyclopentane, m...	7.312	6.6	ug/l	122862	1	8.206	929026	50.0
Cyclohexane, et...	11.400	6.7	ug/l	203876	3	11.847	1518830	50.0
Naphthalene, de...	14.100	6.6	ug/l	240580	4	13.770	1823260	50.0
1,3-Cyclopentad...	14.253	6.5	ug/l	235667	4	13.770	1823260	50.0
Benzene, 2-ethy...	14.306	13.8	ug/l	502663	4	13.770	1823260	50.0
Benzene, (2-met...	14.417	12.7	ug/l	464367	4	13.770	1823260	50.0
Benzene, 1,2,3,...	14.635	15.6	ug/l	568138	4	13.770	1823260	50.0
Benzene, 1-ethy...	14.670	6.5	ug/l	238668	4	13.770	1823260	50.0
Benzene, 2-ethy...	15.012	34.4	ug/l	1254930	4	13.770	1823260	50.0
Benzene, 1,4-di...	15.294	10.1	ug/l	368293	4	13.770	1823260	50.0
Benzene, (3-met...	15.411	13.0	ug/l	474362	4	13.770	1823260	50.0
unknown16.141	16.141	6.1	ug/l	221463	4	13.770	1823260	50.0
Naphthalene, 1,...	16.470	10.0	ug/l	363950	4	13.770	1823260	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087519.D
Acq On : 12 Aug 2025 16:57
Operator : JC\MD
Sample : Q2825-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Time: Aug 13 03:07:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	238840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	519697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	475077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	246969	60.941	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.880%			
35) Dibromofluoromethane	8.153	113	177605	49.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	10.547	98	662552	51.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.829	95	243231	51.484	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.960%			
Target Compounds						Qvalue

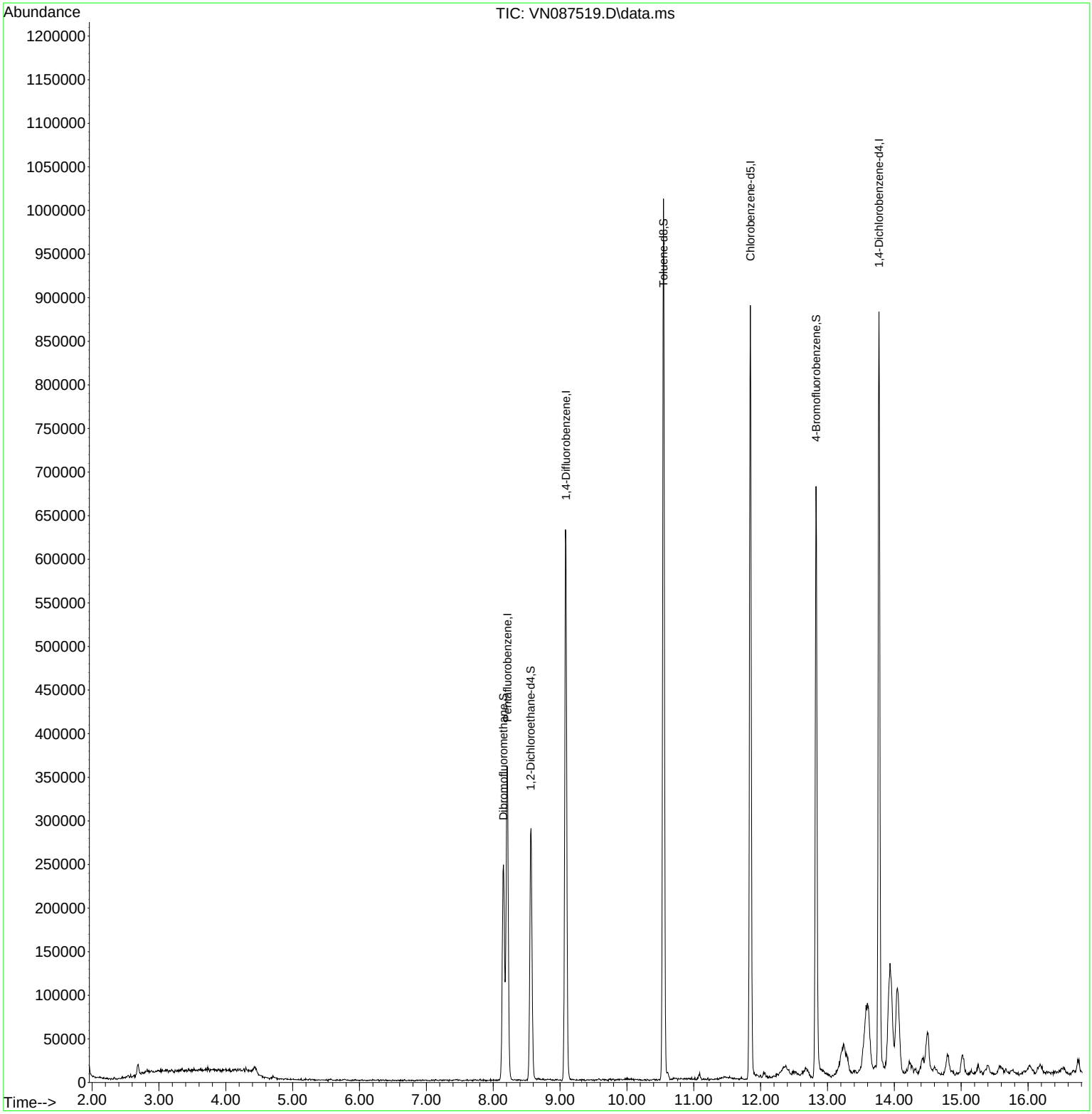
(#) = qualifier out of range (m) = manual integration (+) = signals summed

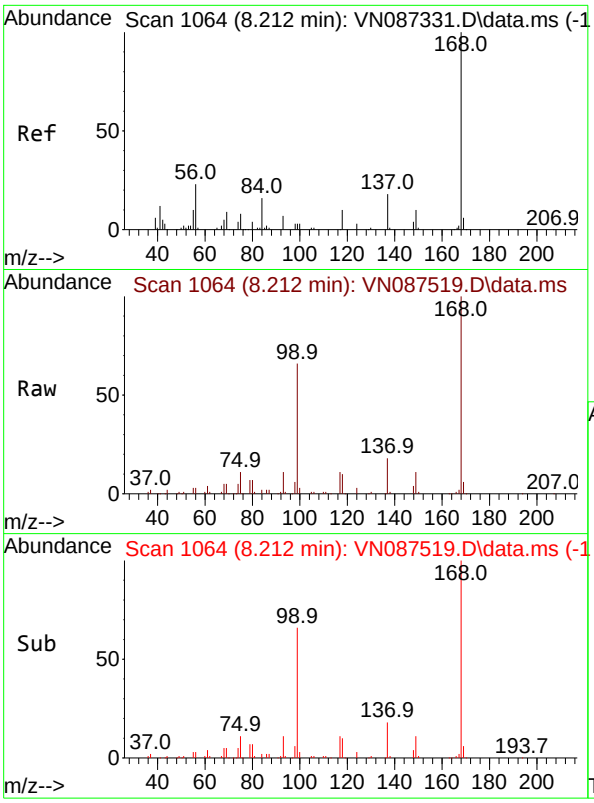
Sample Results: **VN087519.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087519.D
Acq On : 12 Aug 2025 16:57
Operator : JC\MD
Sample : Q2825-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Time: Aug 13 03:07:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



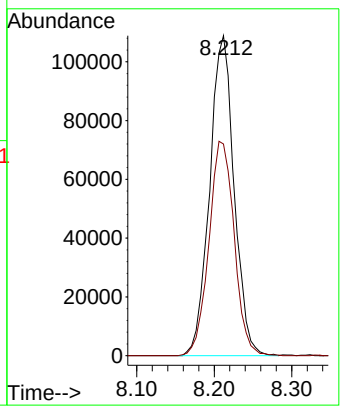


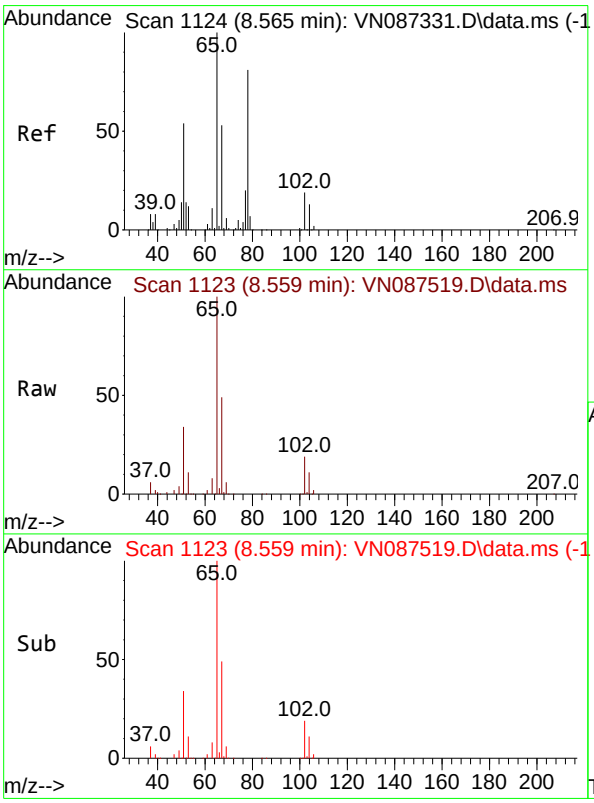
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion:168 Resp: 238840

Ion	Ratio	Lower	Upper
168	100		
99	66.2	47.9	71.9

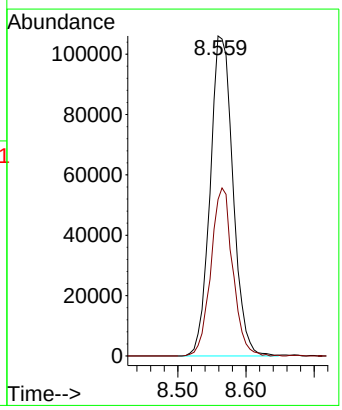


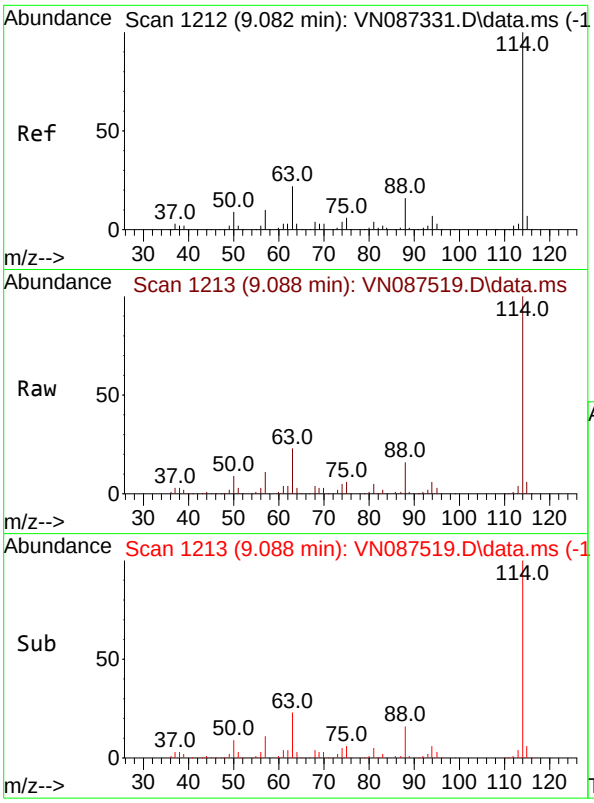


#33
1,2-Dichloroethane-d4
Concen: 60.941 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Tgt Ion: 65 Resp: 246969

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	104.0



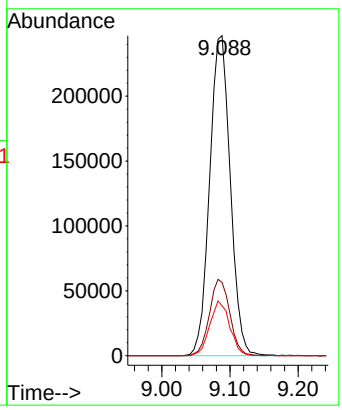


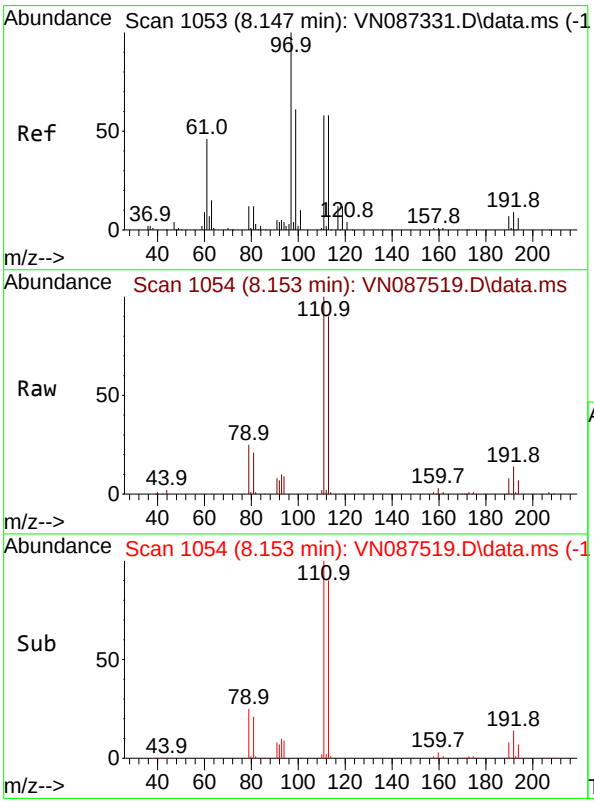
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion:114 Resp: 519697

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.6
88	15.6	0.0	32.8

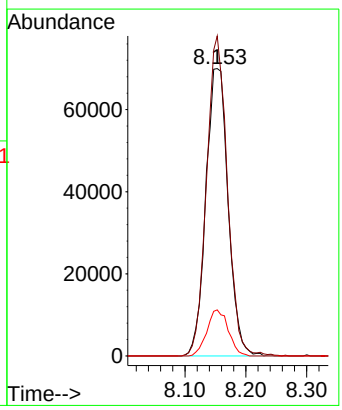


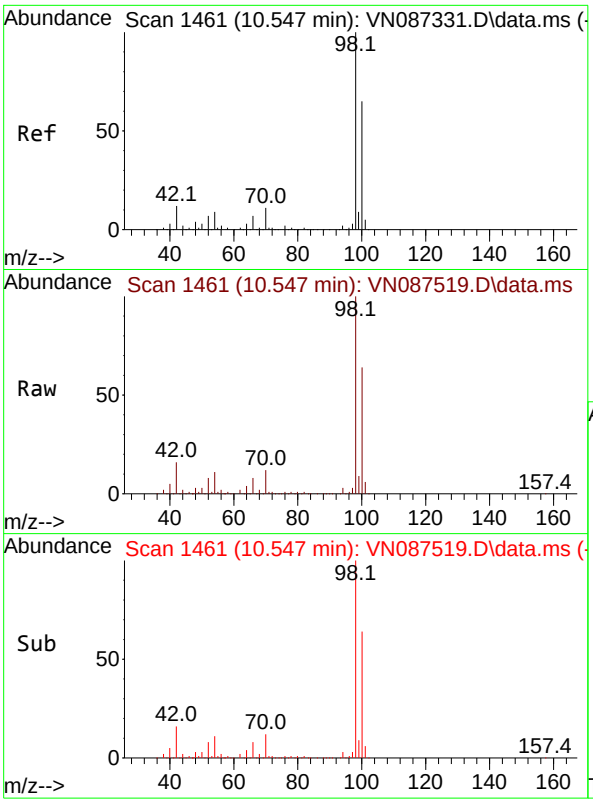


#35
Dibromofluoromethane
Concen: 49.543 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Tgt Ion:113 Resp: 177605

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.5	123.7
192	15.4	13.7	20.5



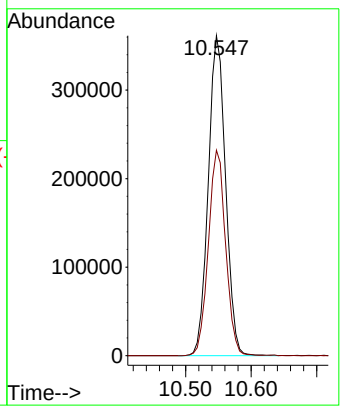


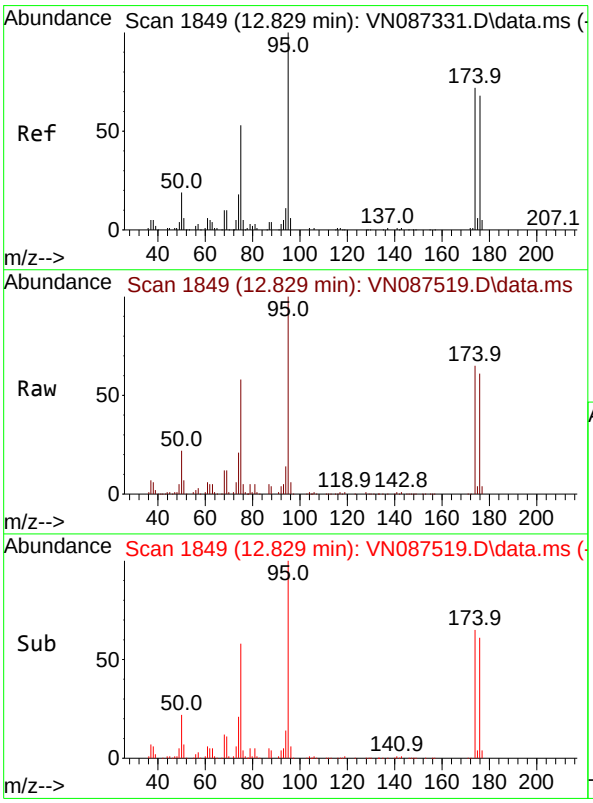
#50
Toluene-d8
Concen: 51.812 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion: 98 Resp: 662552

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1

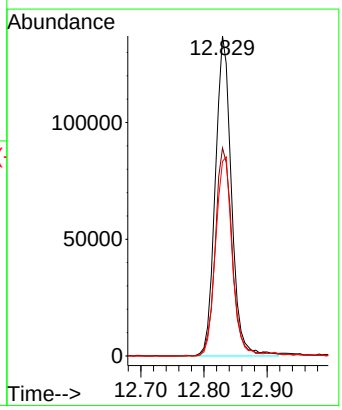


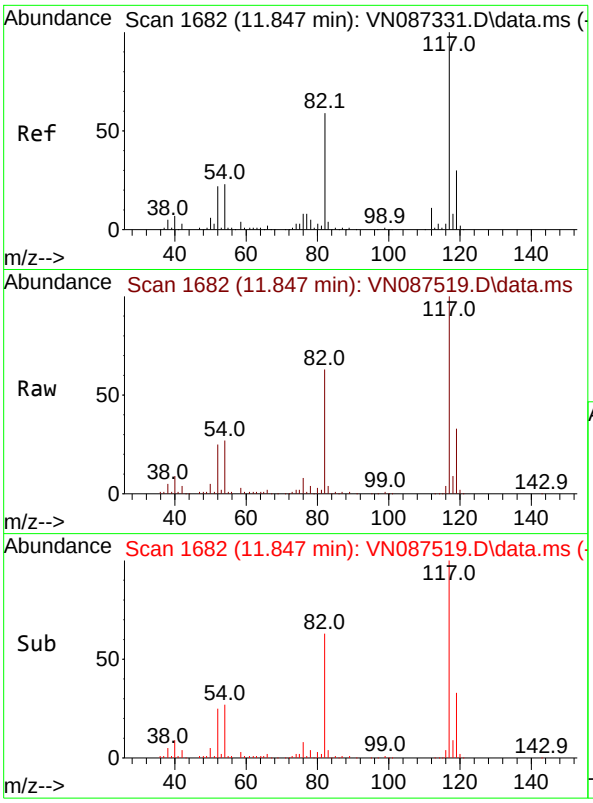


#62
4-Bromofluorobenzene
Concen: 51.484 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Tgt Ion: 95 Resp: 243231

Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	149.4
176	64.3	0.0	141.2



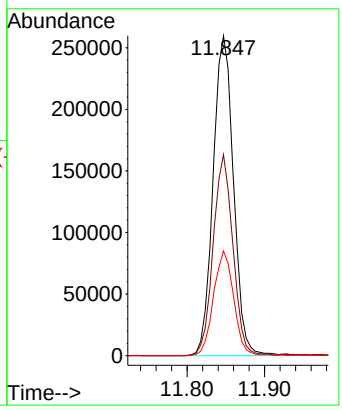


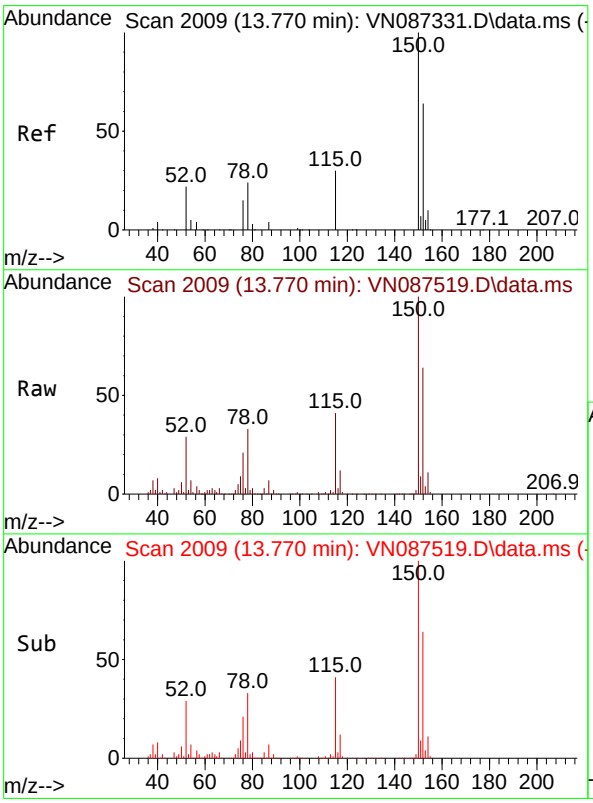
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion:117 Resp: 475077

Ion	Ratio	Lower	Upper
117	100		
82	62.9	47.4	71.2
119	32.7	23.8	35.8

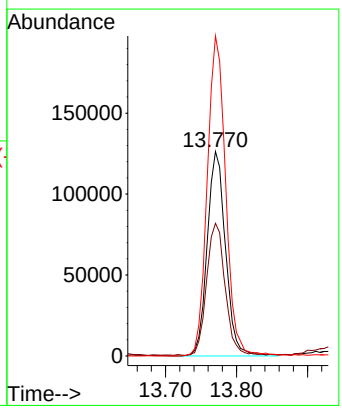




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087519.D
Acq: 12 Aug 2025 16:57

Tgt Ion:152 Resp: 226791

Ion	Ratio	Lower	Upper
152	100		
115	65.3	31.1	93.5
150	157.1	0.0	349.0



Sample Results: **VN087519.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087519.D
Acq On : 12 Aug 2025 16:57
Operator : JC\MD
Sample : Q2825-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

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\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087519.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.689	118	125	133	rBV	14217	35868	1.93%	0.320%
2	8.153	1043	1054	1058	rBV	247163	587581	31.65%	5.239%
3	8.212	1058	1064	1075	rVB	359231	829567	44.69%	7.397%
4	8.565	1115	1124	1136	rBV	288778	666984	35.93%	5.947%
5	9.082	1202	1212	1224	rBV	632452	1332020	71.76%	11.877%
6	10.547	1452	1461	1470	rBV	1010623	1856314	100.00%	16.552%
7	11.847	1673	1682	1694	rBV	887721	1627292	87.66%	14.510%
8	12.829	1840	1849	1862	rBV	678551	1251673	67.43%	11.160%
9	13.176	1899	1908	1909	rBV7	15140	25470	1.37%	0.227%
10	13.223	1909	1916	1917	rVV7	21206	41924	2.26%	0.374%
11	13.241	1917	1919	1926	rVB7	16034	34509	1.86%	0.308%
12	13.576	1960	1976	1978	rBV4	74511	213607	11.51%	1.905%
13	13.770	2002	2009	2021	rVV	866925	1540105	82.97%	13.732%
14	13.935	2024	2037	2048	rVV2	122634	525411	28.30%	4.685%
15	14.047	2048	2056	2070	rVB5	97254	374649	20.18%	3.341%
16	14.417	2115	2119	2121	rBV5	11505	19555	1.05%	0.174%
17	14.494	2124	2132	2143	rVB5	43176	141559	7.63%	1.262%
18	14.794	2175	2183	2184	rBV7	21519	37615	2.03%	0.335%
19	15.023	2214	2222	2224	rBV6	20577	48117	2.59%	0.429%
20	16.741	2509	2514	2517	rBV6	14313	25531	1.38%	0.228%

Sum of corrected areas: 11215351

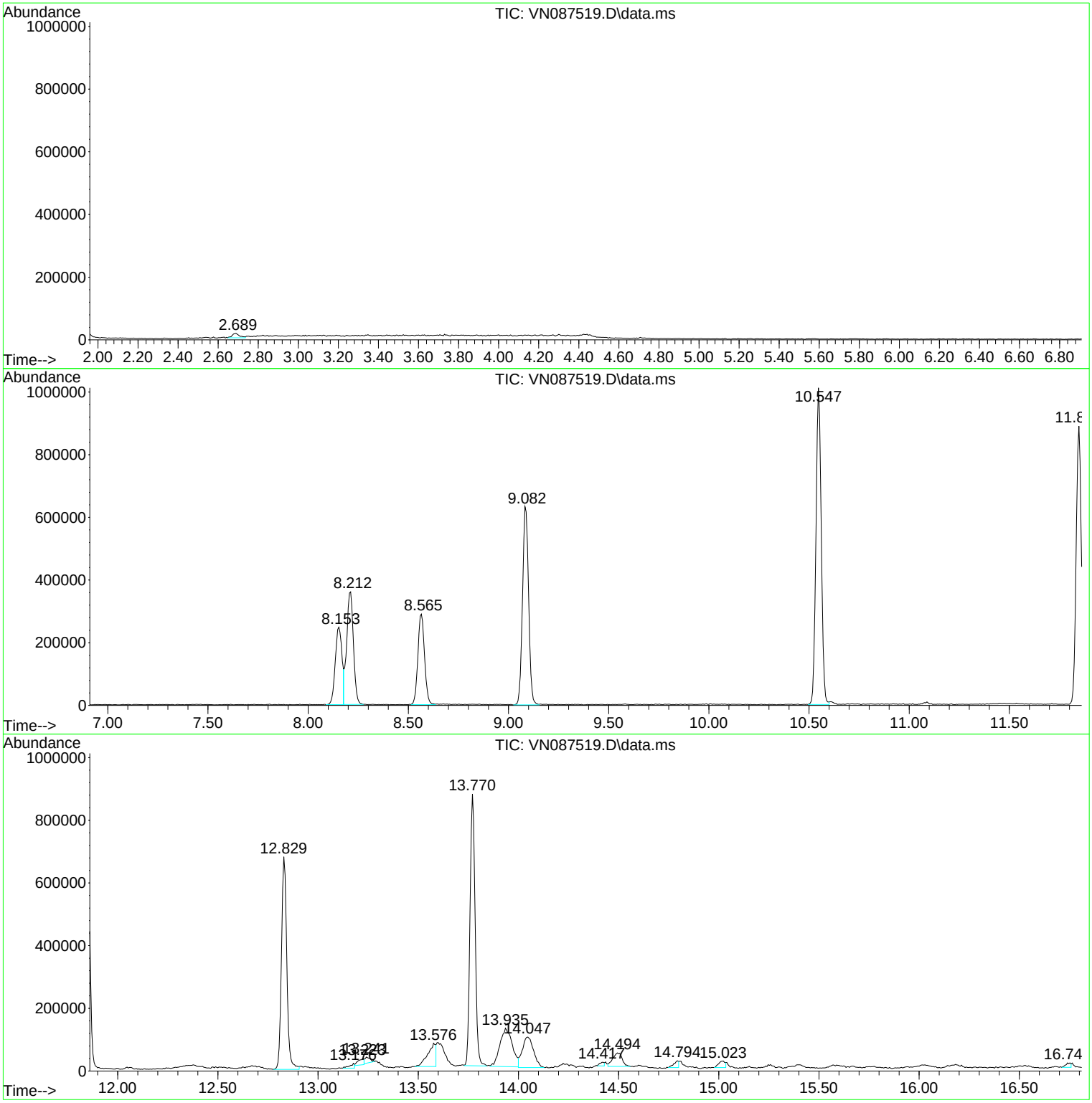
Sample Results: **VN087519.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087519.D
Acq On : 12 Aug 2025 16:57
Operator : JC\MD
Sample : Q2825-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN087519.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087519.D
Acq On : 12 Aug 2025 16:57
Operator : JC\MD
Sample : Q2825-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087519.D
Acq On : 12 Aug 2025 16:57
Operator : JC\MD
Sample : Q2825-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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\VN081225\
Data File : VN087504.D
Acq On : 12 Aug 2025 11:07
Operator : JC\MD
Sample : VN0812WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Quant Time: Aug 13 03:00:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

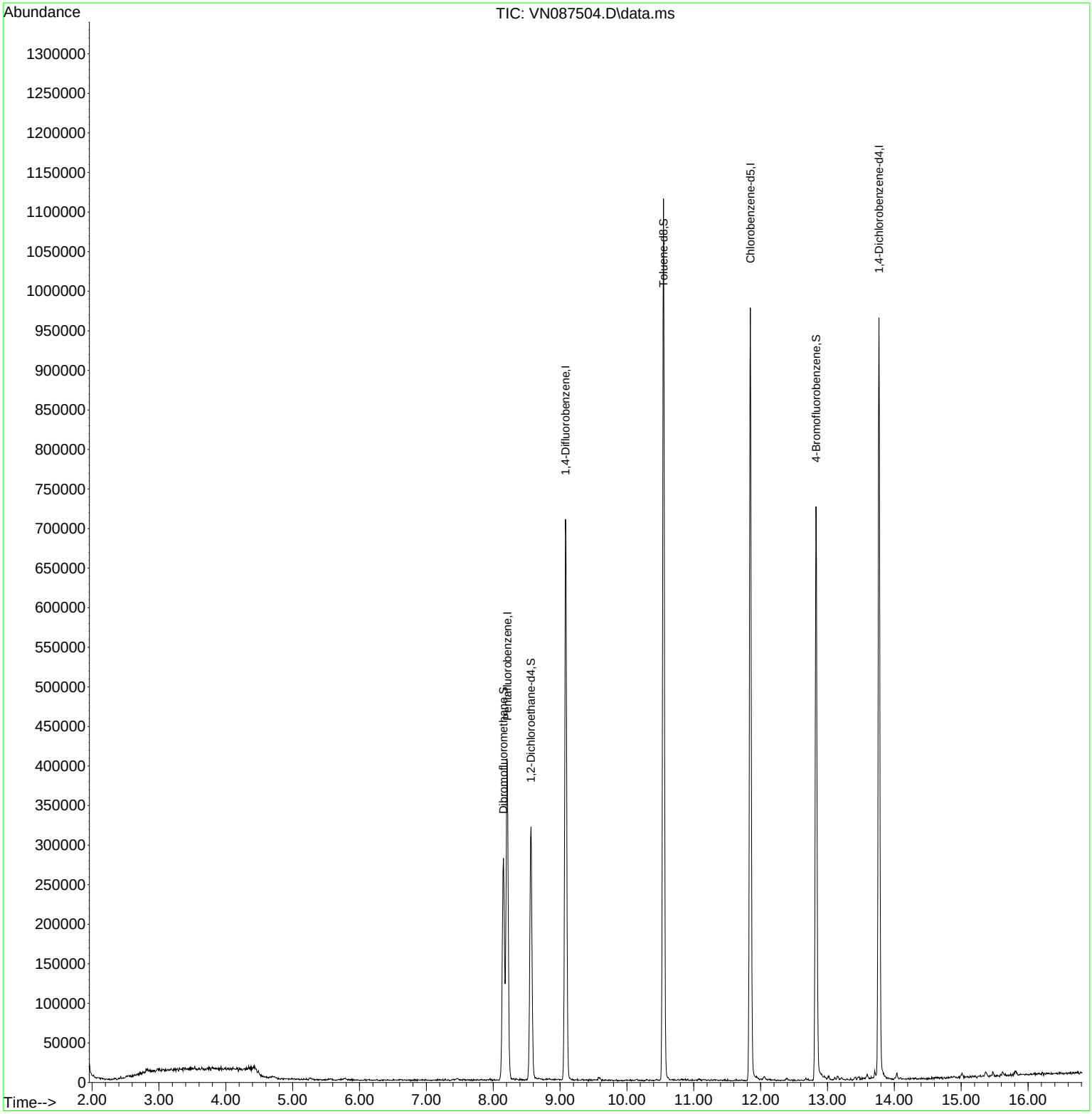
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	271221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	578160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	521832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	242445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	268632	58.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.740%			
35) Dibromofluoromethane	8.153	113	200423	50.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.500%			
50) Toluene-d8	10.547	98	730025	51.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.829	95	263428	50.120	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.240%			
Target Compounds						Qvalue

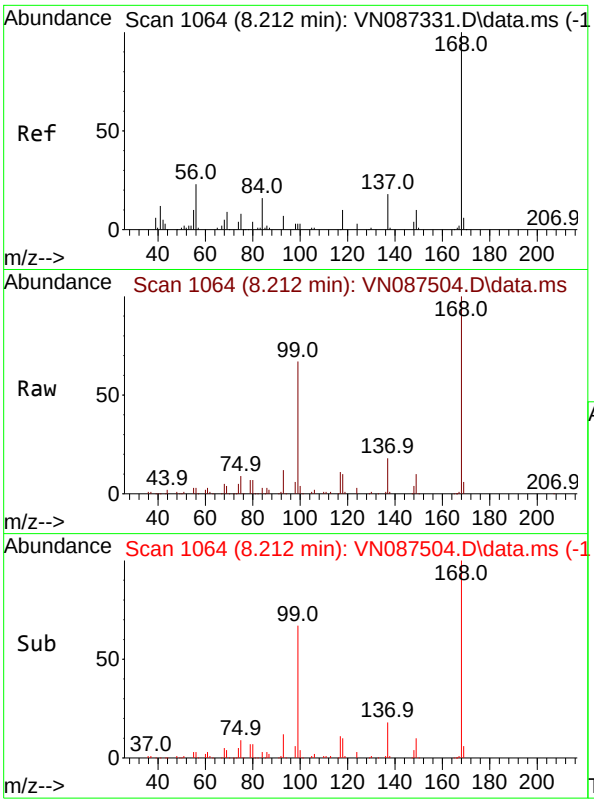
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087504.D
Acq On : 12 Aug 2025 11:07
Operator : JC\MD
Sample : VN0812WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Quant Time: Aug 13 03:00:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



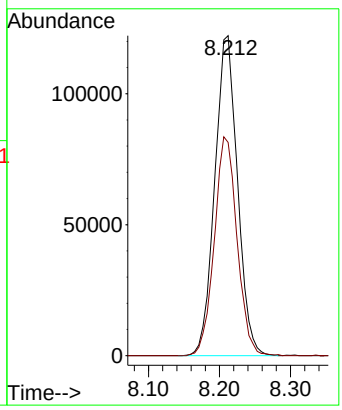


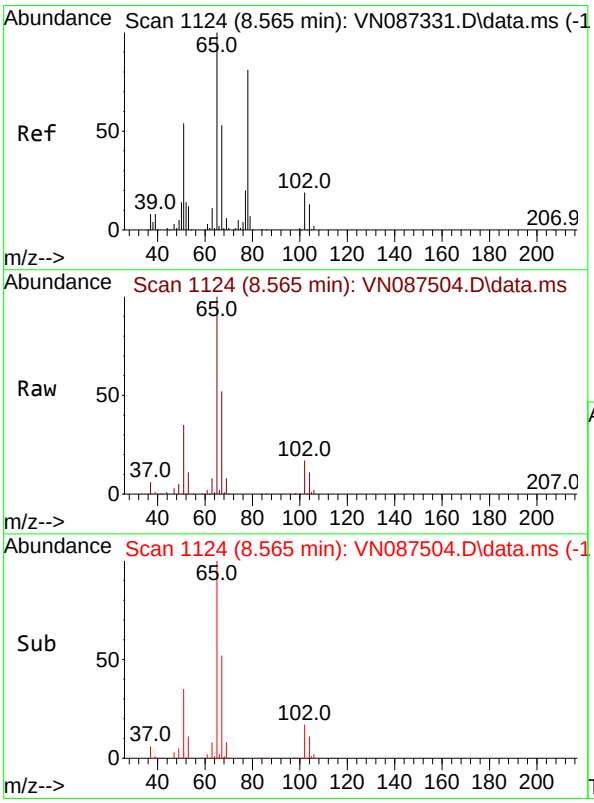
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Tgt Ion:168 Resp: 271221

Ion	Ratio	Lower	Upper
168	100		
99	66.6	47.9	71.9

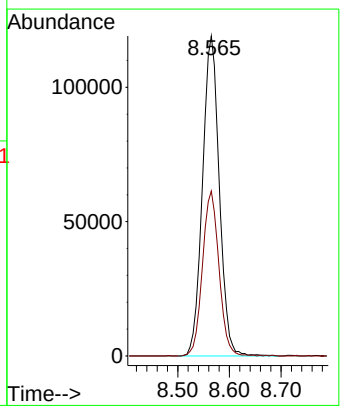


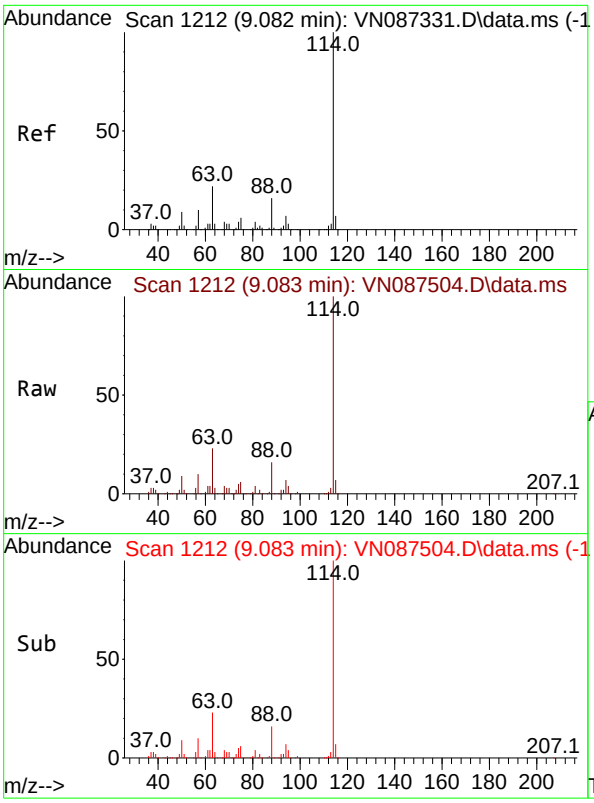


#33
1,2-Dichloroethane-d4
Concen: 58.372 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion: 65 Resp: 268632

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	104.0



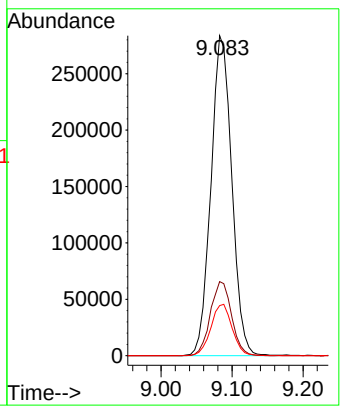


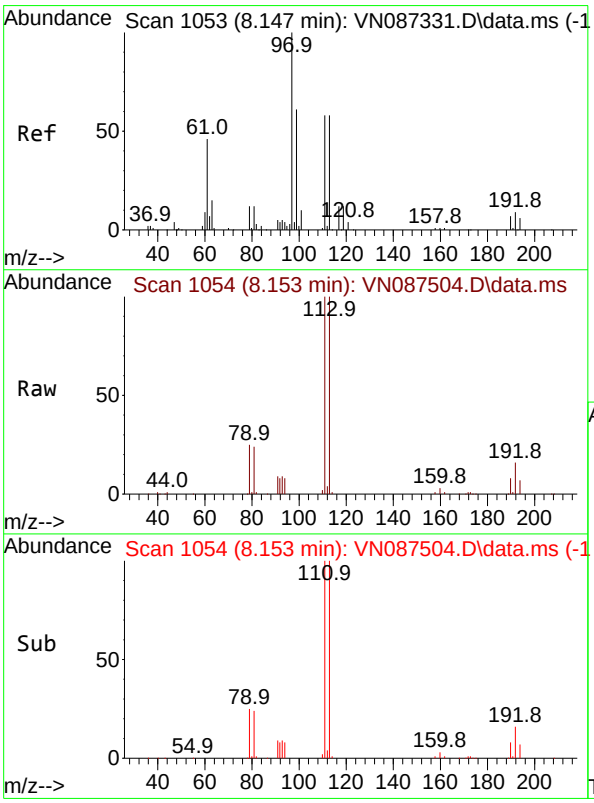
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Tgt Ion:114 Resp: 578160

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.6
88	15.6	0.0	32.8

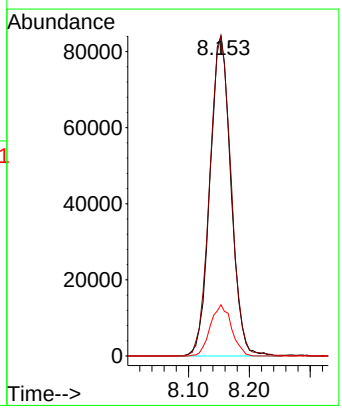


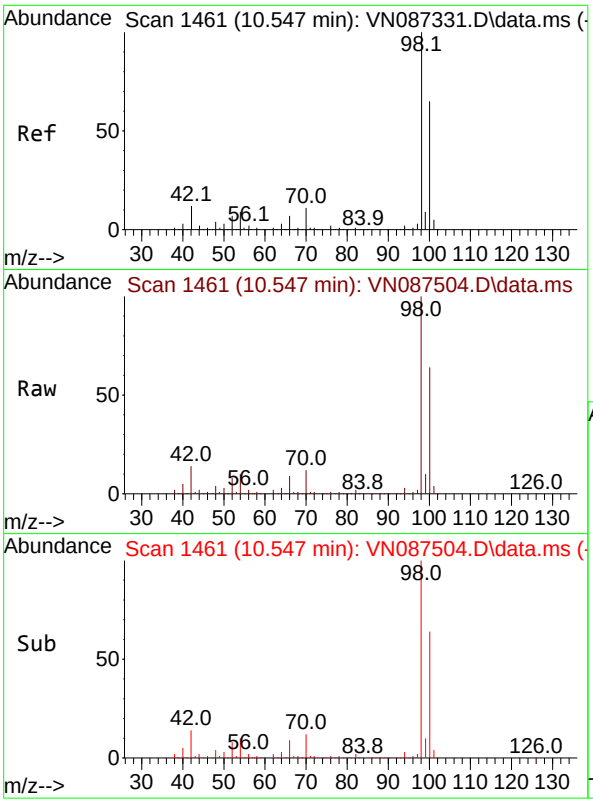


#35
Dibromofluoromethane
Concen: 50.255 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion:113 Resp: 200423

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.5	123.7
192	16.2	13.7	20.5



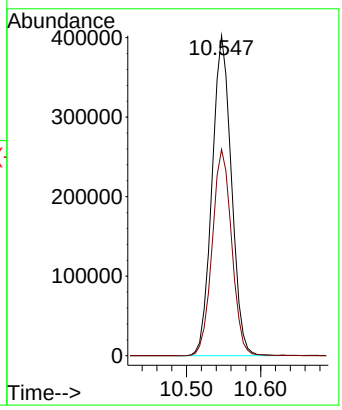


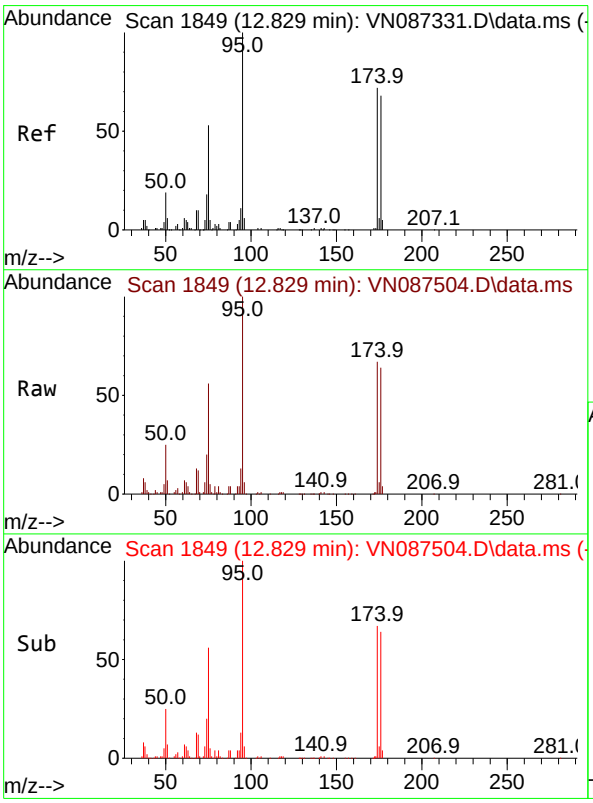
#50
Toluene-d8
Concen: 51.316 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Tgt Ion: 98 Resp: 730025

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

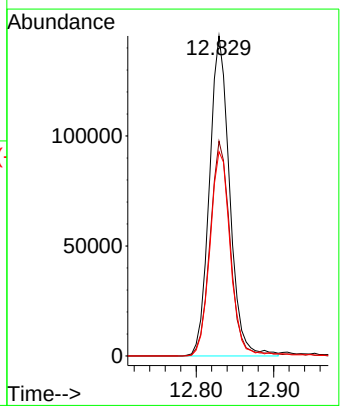


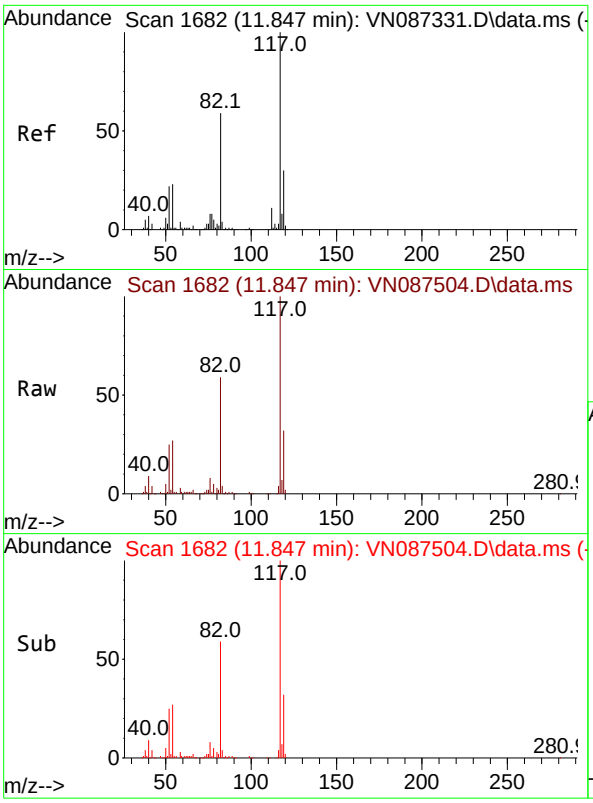


#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion: 95 Resp: 263428

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	149.4
176	64.7	0.0	141.2



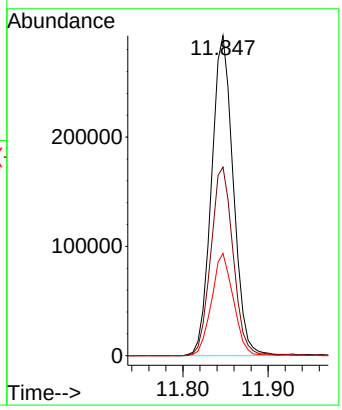


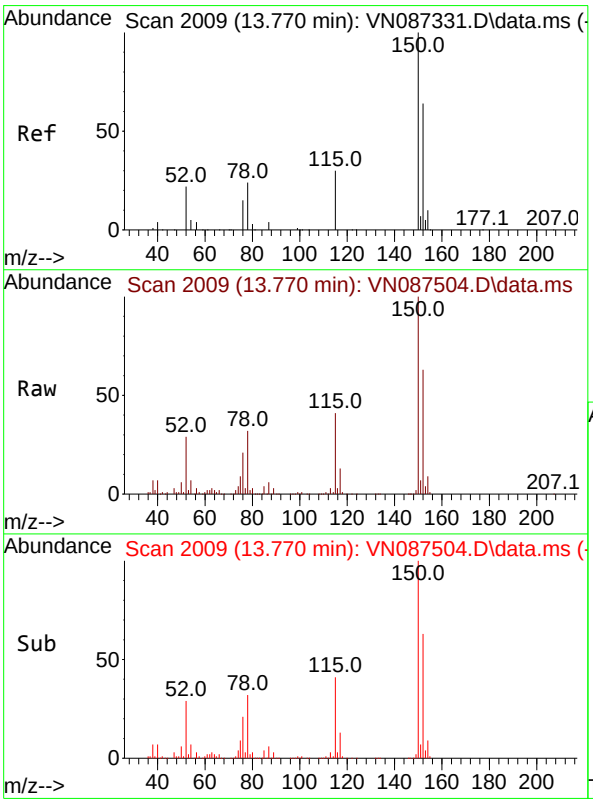
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Tgt Ion:117 Resp: 521832

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.4	71.2
119	31.9	23.8	35.8

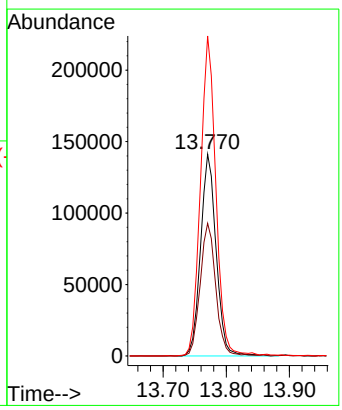




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087504.D
Acq: 12 Aug 2025 11:07

Tgt Ion:152 Resp: 242445

Ion	Ratio	Lower	Upper
152	100		
115	66.0	31.1	93.5
150	156.6	0.0	349.0



Sample Results: **VN087504.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087504.D
Acq On : 12 Aug 2025 11:07
Operator : JC\MD
Sample : VN0812WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

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\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087504.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.153	1043	1054	1058	rBV	280625	654831	32.27%	6.211%
2	8.206	1058	1063	1074	rVB	405461	918158	45.25%	8.708%
3	8.565	1114	1124	1134	rBV	319803	728104	35.88%	6.906%
4	9.083	1202	1212	1227	rBV	708749	1459675	71.93%	13.844%
5	10.547	1453	1461	1472	rBV	1112883	2029213	100.00%	19.246%
6	11.847	1673	1682	1695	rBV	976620	1773724	87.41%	16.823%
7	12.829	1840	1849	1862	rBV	725584	1327120	65.40%	12.587%
8	13.770	2002	2009	2023	rVB	959454	1652927	81.46%	15.677%

Sum of corrected areas: 10543752

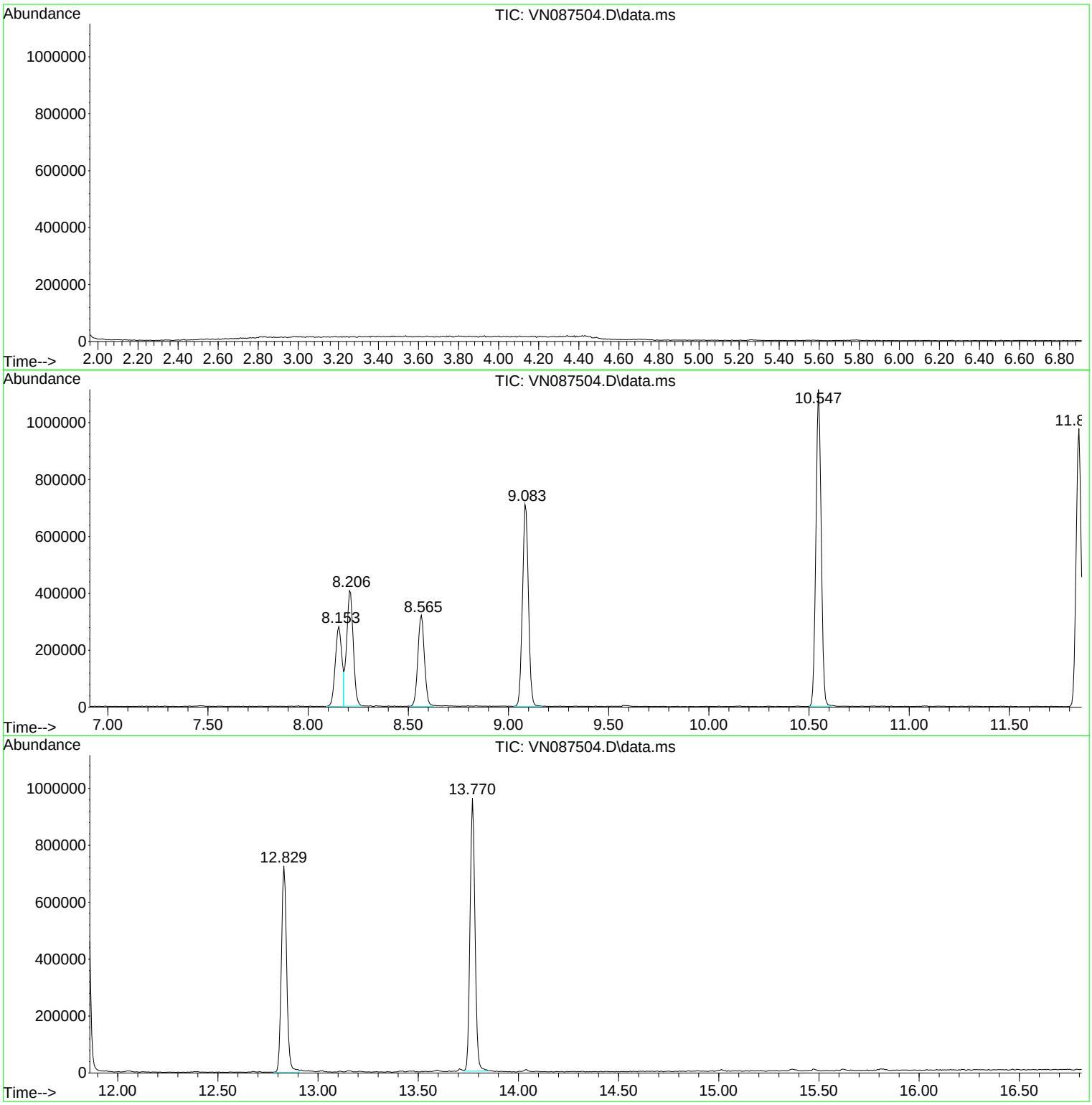
Sample Results: **VN087504.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087504.D
Acq On : 12 Aug 2025 11:07
Operator : JC\MD
Sample : VN0812WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087504.D
Acq On : 12 Aug 2025 11:07
Operator : JC\MD
Sample : VN0812WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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\VN081225\
Data File : VN087504.D
Acq On : 12 Aug 2025 11:07
Operator : JC\MD
Sample : VN0812WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Time: Aug 14 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

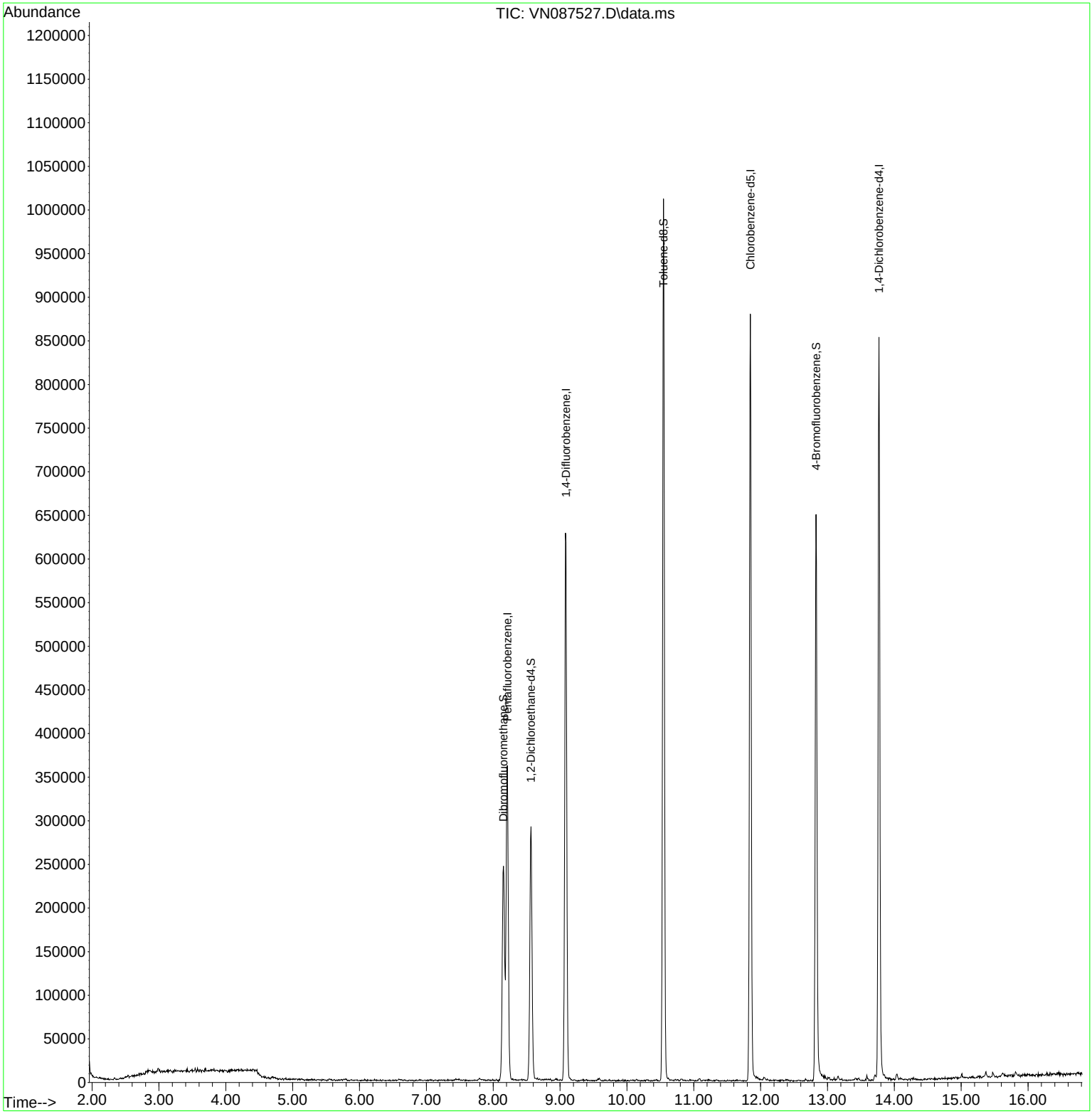
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	240605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	517097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	472576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	243187	59.567	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.140%			
35) Dibromofluoromethane	8.153	113	177183	49.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.340%			
50) Toluene-d8	10.547	98	661503	51.990	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.829	95	235890	50.181	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.360%			
Target Compounds						Qvalue

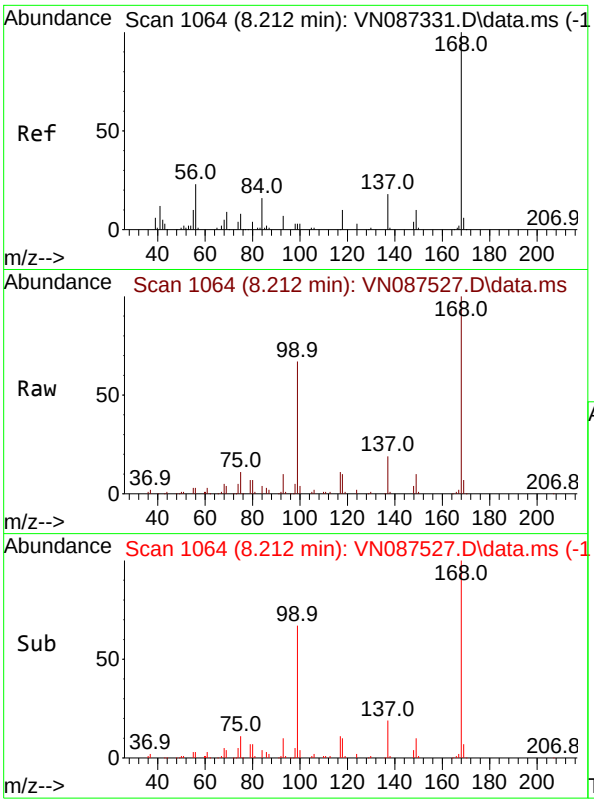
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Time: Aug 14 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



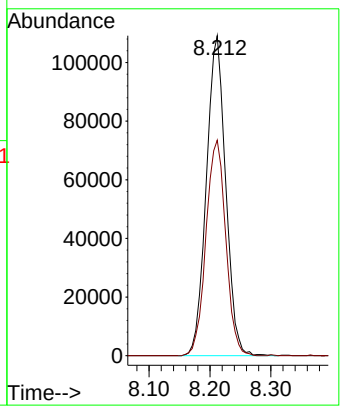


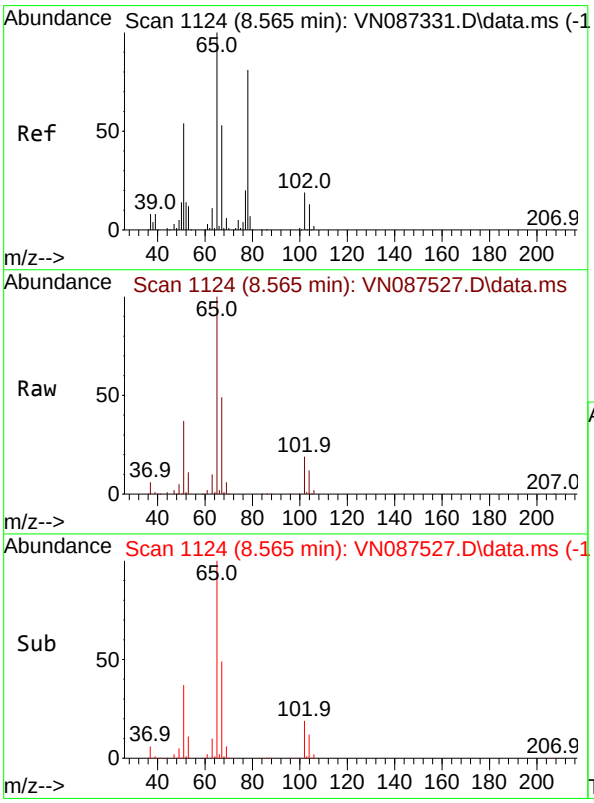
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:168 Resp: 240605

Ion	Ratio	Lower	Upper
168	100		
99	67.4	47.9	71.9

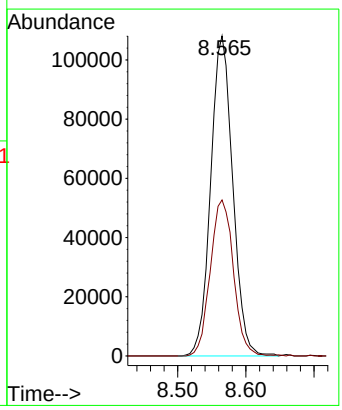


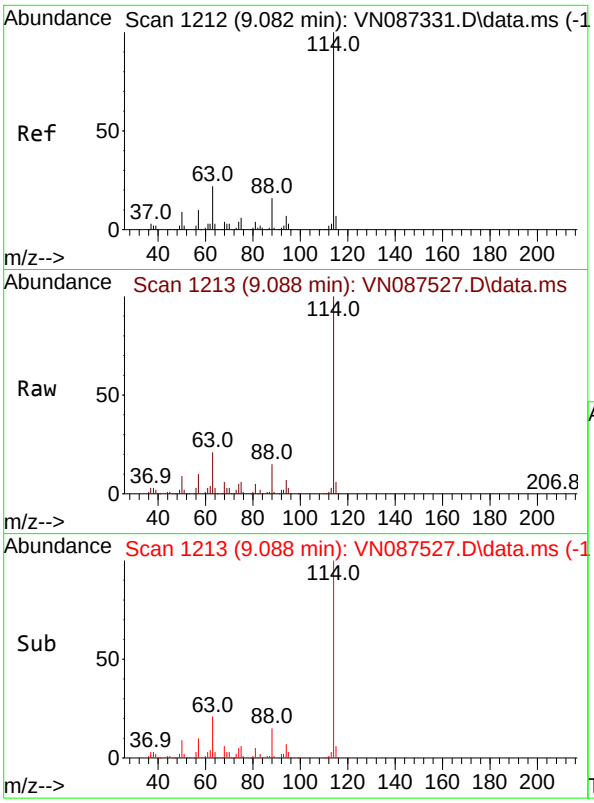


#33
1,2-Dichloroethane-d4
Concen: 59.567 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion: 65 Resp: 243187

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.0



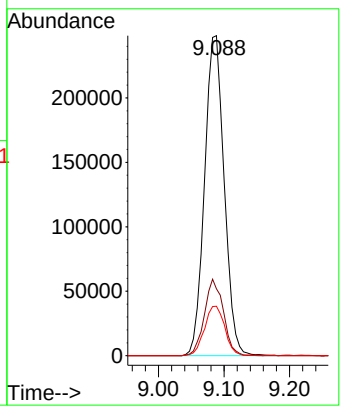


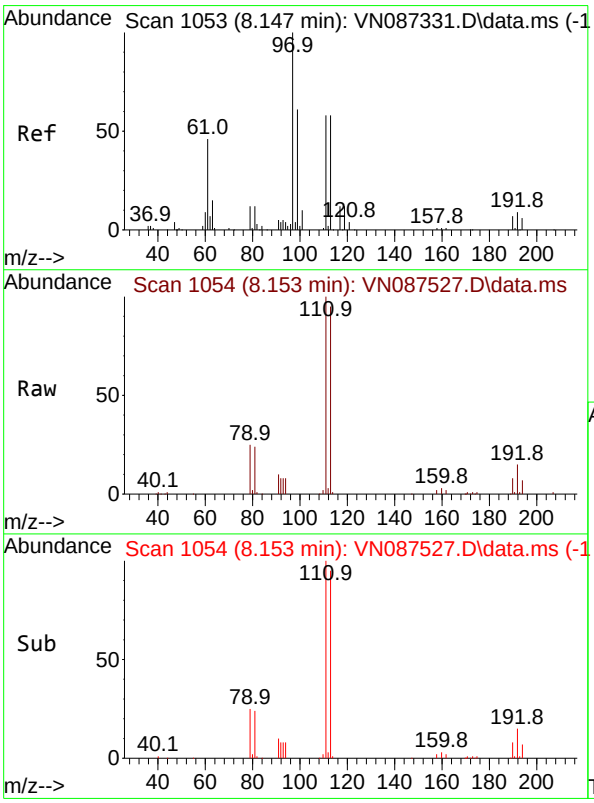
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:114 Resp: 517097

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.6
88	15.5	0.0	32.8

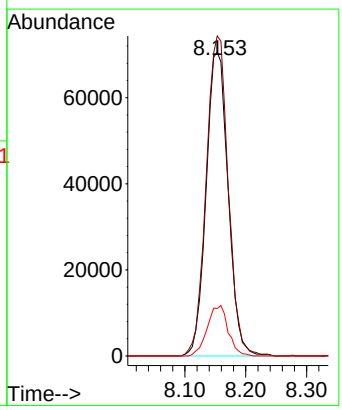


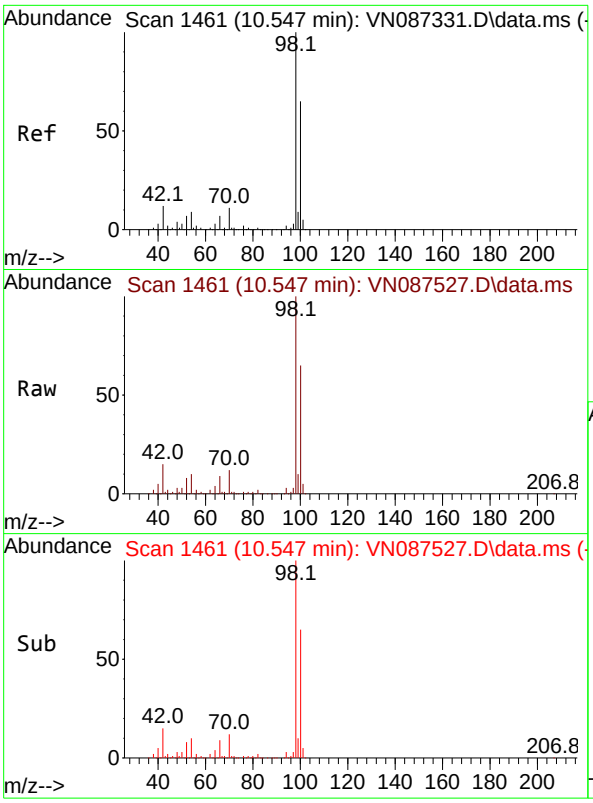


#35
Dibromofluoromethane
Concen: 49.674 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion:113 Resp: 177183

Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.5	123.7
192	15.8	13.7	20.5



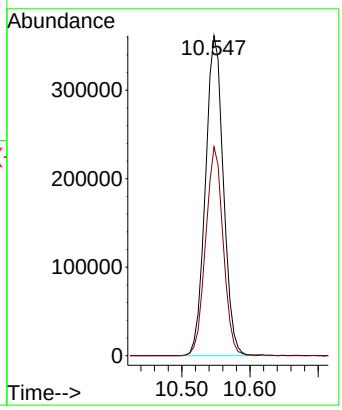


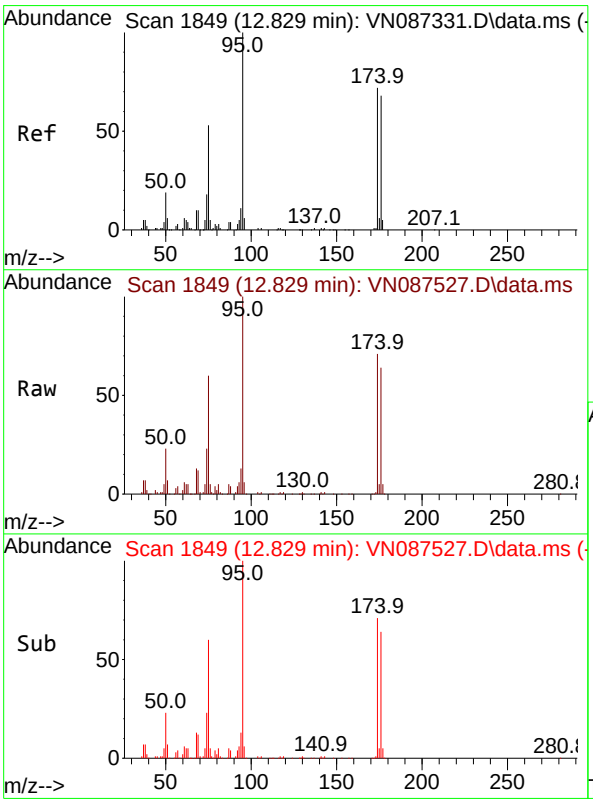
#50
Toluene-d8
Concen: 51.990 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion: 98 Resp: 661503

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1

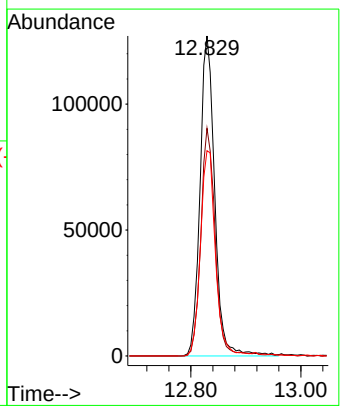


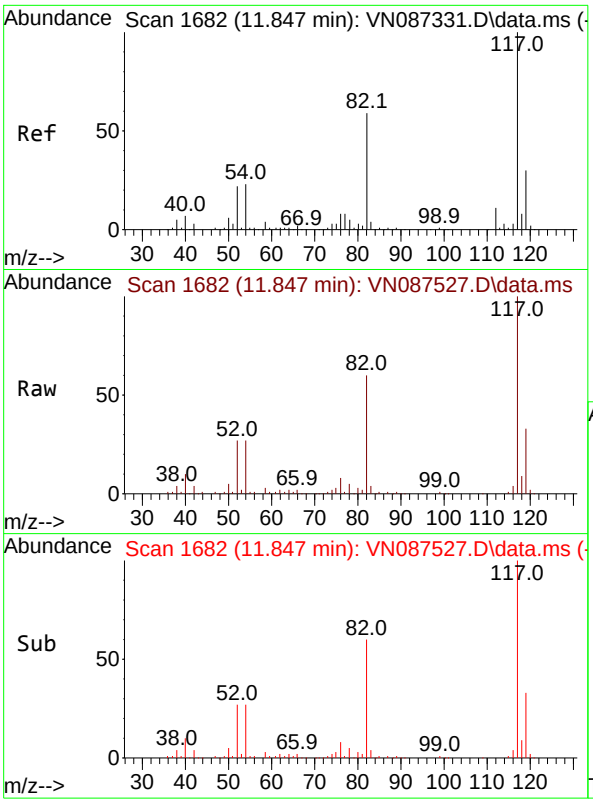


#62
4-Bromofluorobenzene
Concen: 50.181 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion: 95 Resp: 235890

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	149.4
176	65.4	0.0	141.2



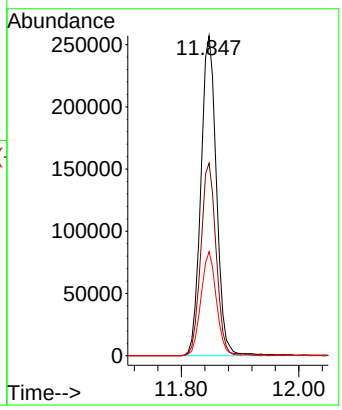


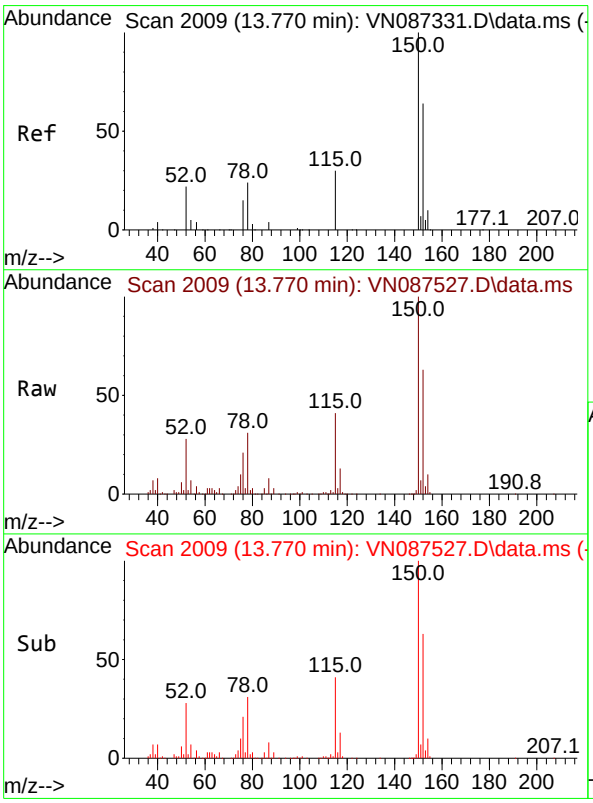
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Tgt Ion:117 Resp: 472576

Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.4	71.2
119	32.5	23.8	35.8

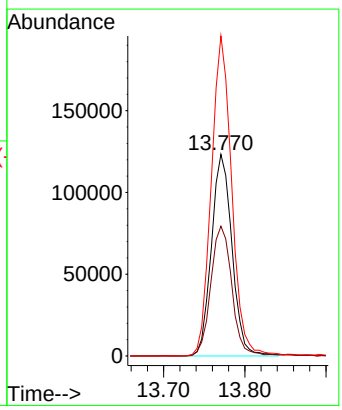




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087527.D
Acq: 13 Aug 2025 11:41

Tgt Ion:152 Resp: 217582

Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.1	93.5
150	157.7	0.0	349.0



Sample Results: **VN087527.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

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\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087527.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.153	1044	1054	1059	rBV2	245609	632518	34.29%	6.615%
2	8.212	1059	1064	1075	rVB	360237	792247	42.95%	8.286%
3	8.565	1114	1124	1134	rBV	291119	667094	36.17%	6.977%
4	9.083	1203	1212	1222	rBV	627525	1313806	71.23%	13.741%
5	10.547	1451	1461	1472	rBV	1011196	1844378	100.00%	19.290%
6	11.847	1672	1682	1696	rBV	879222	1610887	87.34%	16.848%
7	12.829	1841	1849	1863	rBV	649288	1206225	65.40%	12.616%
8	13.770	2002	2009	2020	rVV	849038	1494049	81.01%	15.626%

Sum of corrected areas: 9561204

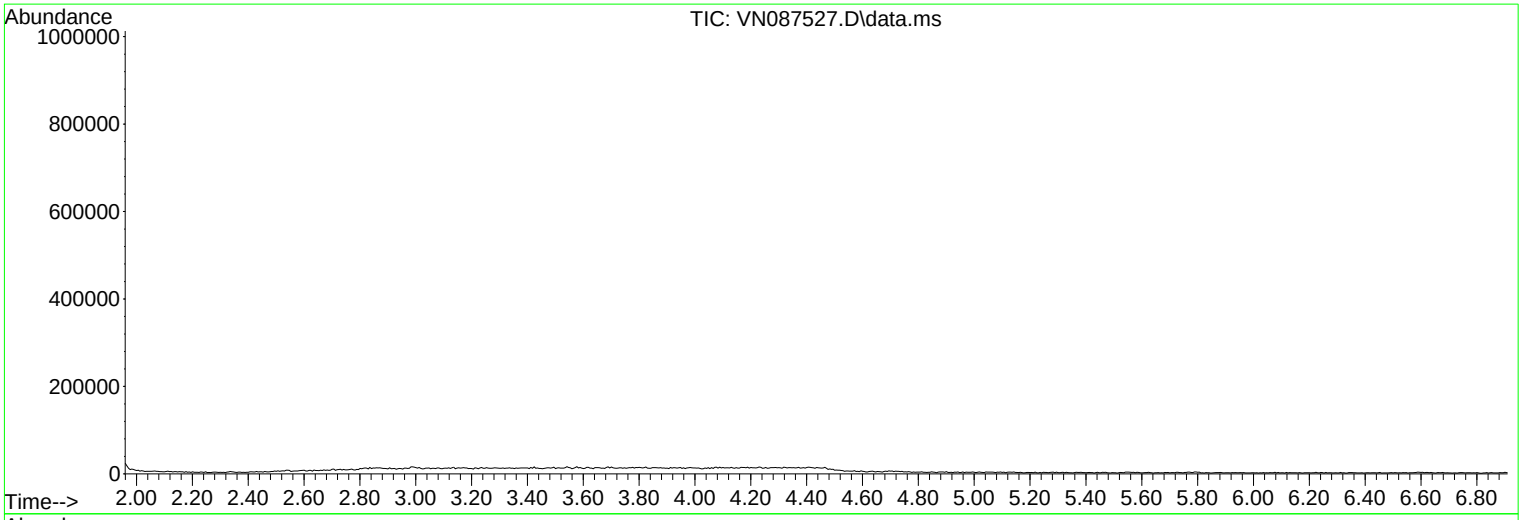
Sample Results: **VN087527.D**

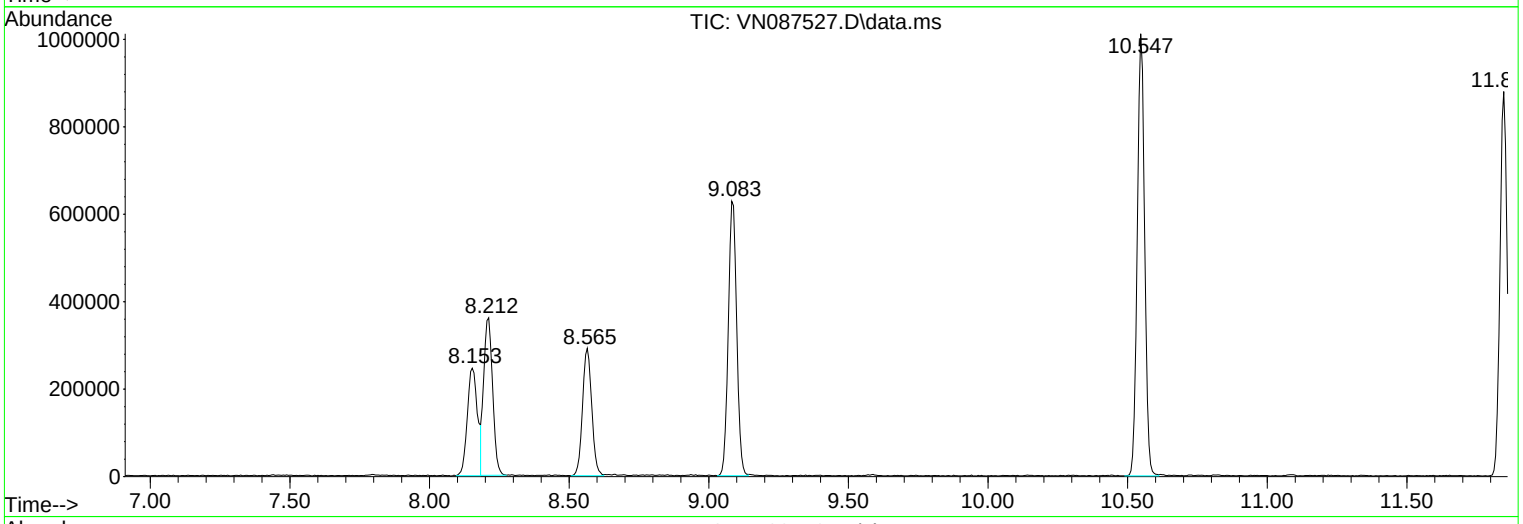
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

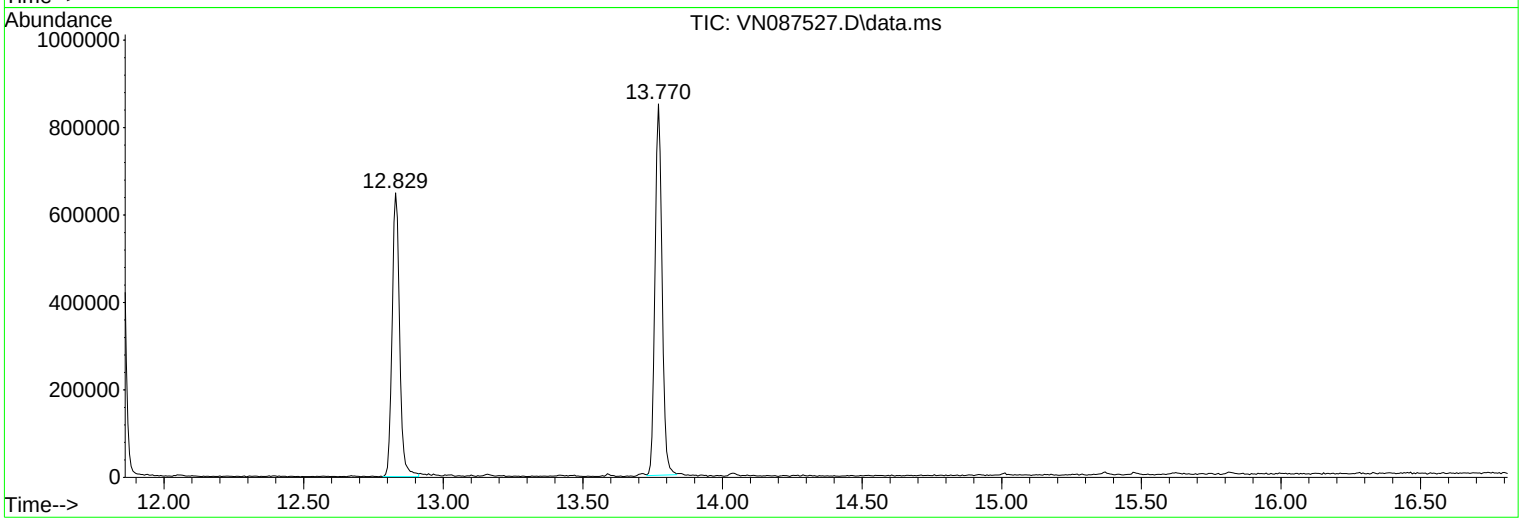
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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\VN081325\
Data File : VN087527.D
Acq On : 13 Aug 2025 11:41
Operator : JC\MD
Sample : VN0813WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.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\VN081225\
Data File : VN087505.D
Acq On : 12 Aug 2025 11:42
Operator : JC\MD
Sample : VN0812WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 03:00:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	292778	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	576676	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	523240	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256652	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	264919	53.327	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%				
35) Dibromofluoromethane	8.153	113	178267	44.814	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.620%				
50) Toluene-d8	10.547	98	655005	46.161	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.320%				
62) 4-Bromofluorobenzene	12.829	95	255516	48.740	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.480%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	68991	22.186	ug/l		87
3) Chloromethane	2.389	50	70909	18.133	ug/l		93
4) Vinyl Chloride	2.542	62	75107	19.327	ug/l		91
5) Bromomethane	2.977	94	39856	19.805	ug/l		95
6) Chloroethane	3.142	64	51562	20.345	ug/l		94
7) Trichlorofluoromethane	3.512	101	111797	19.455	ug/l		100
8) Diethyl Ether	3.959	74	49528	22.219	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	57454	19.477	ug/l		95
10) Methyl Iodide	4.583	142	30990	14.693	ug/l	#	88
11) Tert butyl alcohol	5.518	59	96731	102.547	ug/l		97
12) 1,1-Dichloroethene	4.342	96	62167	18.597	ug/l		99
13) Acrolein	4.177	56	99159	130.989	ug/l		100
14) Allyl chloride	5.012	41	122600	20.266	ug/l		93
15) Acrylonitrile	5.712	53	247530	96.703	ug/l		99
16) Acetone	4.430	43	249332	107.043	ug/l		95
17) Carbon Disulfide	4.706	76	181331	18.297	ug/l	#	90
18) Methyl Acetate	5.018	43	125027	21.365	ug/l		98
19) Methyl tert-butyl Ether	5.788	73	268531	21.794	ug/l		99
20) Methylene Chloride	5.265	84	77076	19.180	ug/l		97
21) trans-1,2-Dichloroethene	5.777	96	72010	19.105	ug/l		94
22) Diisopropyl ether	6.659	45	271606	21.404	ug/l		95
23) Vinyl Acetate	6.594	43	1258088	113.358	ug/l		98
24) 1,1-Dichloroethane	6.559	63	147450	20.141	ug/l		99
25) 2-Butanone	7.471	43	354546	98.514	ug/l		97
26) 2,2-Dichloropropane	7.471	77	130032	22.845	ug/l		97
27) cis-1,2-Dichloroethene	7.471	96	89561	20.639	ug/l		93
28) Bromochloromethane	7.800	49	68027	19.415	ug/l		93
29) Tetrahydrofuran	7.830	42	238378	101.959	ug/l		97
30) Chloroform	7.953	83	151851	20.722	ug/l		96
31) Cyclohexane	8.241	56	119834	19.621	ug/l		97
32) 1,1,1-Trichloroethane	8.153	97	128806	20.295	ug/l		98
36) 1,1-Dichloropropene	8.359	75	100577	19.137	ug/l		98
37) Ethyl Acetate	7.547	43	140369	18.493	ug/l		98
38) Carbon Tetrachloride	8.347	117	102118	17.639	ug/l		97
39) Methylcyclohexane	9.582	83	110560	19.431	ug/l		98
40) Benzene	8.588	78	310818	18.299	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087505.D
Acq On : 12 Aug 2025 11:42
Operator : JC\MD
Sample : VN0812WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 03:00:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	78542	19.790	ug/l		96
42) 1,2-Dichloroethane	8.653	62	128218	19.905	ug/l		98
43) Isopropyl Acetate	8.677	43	233840	19.846	ug/l		98
44) Trichloroethene	9.335	130	68578	17.087	ug/l		98
45) 1,2-Dichloropropane	9.606	63	83164	19.269	ug/l		100
46) Dibromomethane	9.688	93	58870	18.218	ug/l		95
47) Bromodichloromethane	9.871	83	122095	18.758	ug/l		94
48) Methyl methacrylate	9.665	41	109579	20.658	ug/l		92
49) 1,4-Dioxane	9.682	88	29359	361.375	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.429	43	699710	93.893	ug/l		97
52) Toluene	10.612	92	193918	18.783	ug/l		96
53) t-1,3-Dichloropropene	10.818	75	133370	20.246	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	135073	19.851	ug/l		91
55) 1,1,2-Trichloroethane	10.994	97	77374	18.511	ug/l		98
56) Ethyl methacrylate	10.859	69	134186	19.869	ug/l		96
57) 1,3-Dichloropropane	11.147	76	135824	18.794	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	374162	109.124	ug/l		98
59) 2-Hexanone	11.182	43	456112	92.251	ug/l		99
60) Dibromochloromethane	11.341	129	88960	18.662	ug/l		96
61) 1,2-Dibromoethane	11.453	107	83456	18.989	ug/l		92
64) Tetrachloroethene	11.082	164	54713	16.247	ug/l		94
65) Chlorobenzene	11.870	112	209568	17.840	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	72668	18.192	ug/l		98
67) Ethyl Benzene	11.947	91	375225	19.403	ug/l		100
68) m/p-Xylenes	12.053	106	271778	37.530	ug/l		92
69) o-Xylene	12.376	106	135420	19.577	ug/l		94
70) Styrene	12.394	104	221910	19.070	ug/l		94
71) Bromoform	12.559	173	55211	17.109	ug/l	#	99
73) Isopropylbenzene	12.676	105	345641	21.398	ug/l		96
74) N-amyl acetate	12.529	43	115014m	17.137	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	120145	19.767	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	122446m	21.276	ug/l		
77) Bromobenzene	12.964	156	82729	19.748	ug/l		91
78) n-propylbenzene	13.017	91	425221	20.923	ug/l		97
79) 2-Chlorotoluene	13.106	91	253436	20.291	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	295518	21.472	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.717	75	37270	17.719	ug/l		93
82) 4-Chlorotoluene	13.200	91	273495	21.032	ug/l		96
83) tert-Butylbenzene	13.417	119	246210	21.419	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	303556	21.598	ug/l		94
85) sec-Butylbenzene	13.594	105	360000	20.792	ug/l		99
86) p-Isopropyltoluene	13.711	119	302007	21.765	ug/l		97
87) 1,3-Dichlorobenzene	13.711	146	153160	18.628	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	162894	18.550	ug/l		96
89) n-Butylbenzene	14.035	91	296535	22.381	ug/l		98
90) Hexachloroethane	14.311	117	56479	19.211	ug/l		94
91) 1,2-Dichlorobenzene	14.088	146	154034	19.776	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	29553	18.519	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	94568	20.669	ug/l		98
94) Hexachlorobutadiene	15.476	225	33941	19.964	ug/l		97
95) Naphthalene	15.617	128	323641	19.967	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	87388	19.041	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087505.D
Acq On : 12 Aug 2025 11:42
Operator : JC\MD
Sample : VN0812WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 03:00:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

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

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

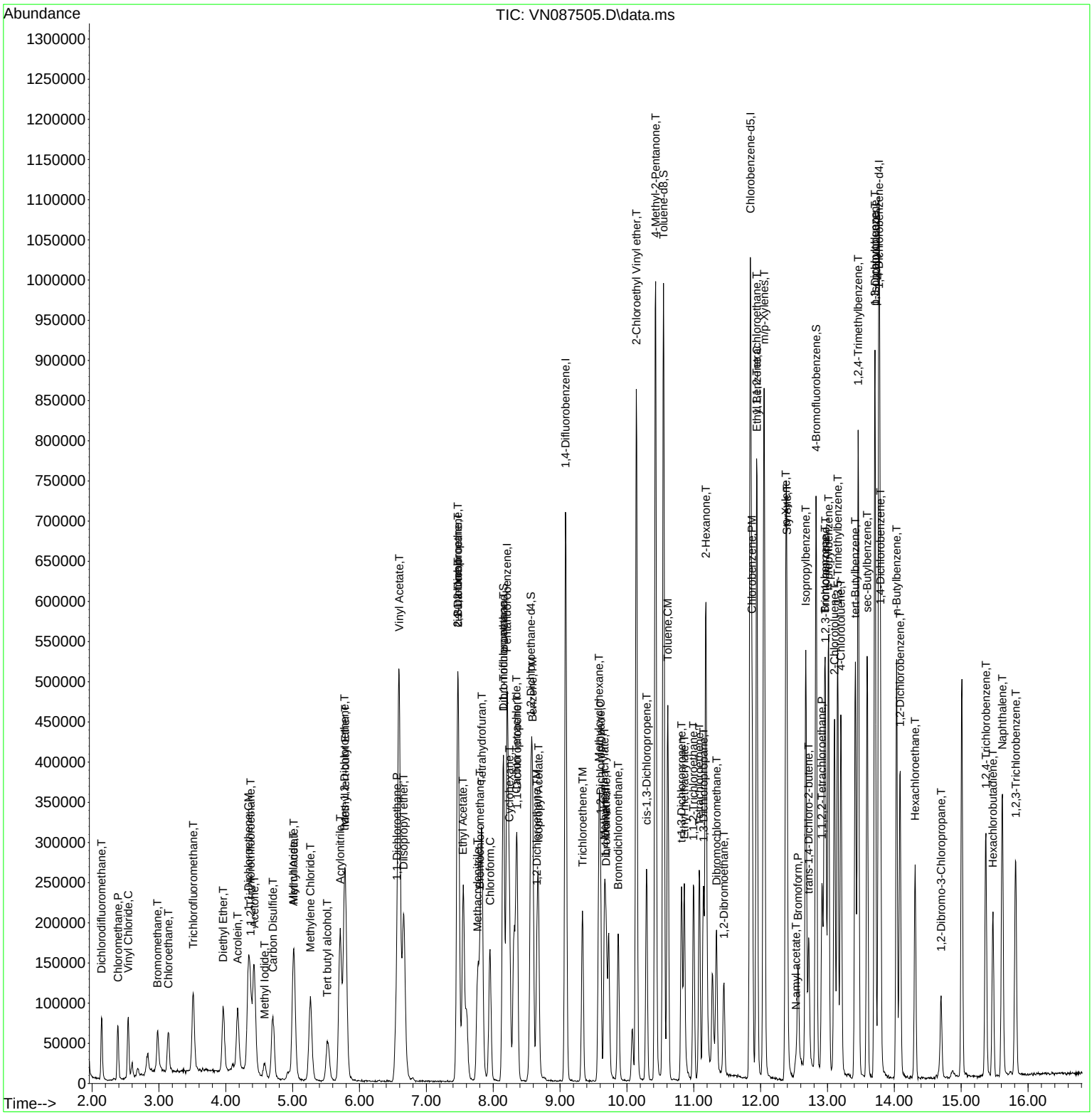
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087505.D
Acq On : 12 Aug 2025 11:42
Operator : JC\MD
Sample : VN0812WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 03:00:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.212	168	271136	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.088	114	532074	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	483502	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	246357	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	269348	58.546	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.100%				
35) Dibromofluoromethane	8.153	113	183322	49.948	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%				
50) Toluene-d8	10.547	98	668561	51.066	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%				
62) 4-Bromofluorobenzene	12.829	95	253521	52.413	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.820%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	67174	23.326	ug/l		90
3) Chloromethane	2.389	50	66776	18.439	ug/l		92
4) Vinyl Chloride	2.542	62	74754	20.771	ug/l		96
5) Bromomethane	2.983	94	40764	21.873	ug/l		96
6) Chloroethane	3.136	64	48629	20.719	ug/l		96
7) Trichlorofluoromethane	3.512	101	111233	20.902	ug/l		99
8) Diethyl Ether	3.965	74	48291	23.393	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	58540	21.429	ug/l		95
10) Methyl Iodide	4.583	142	35025	16.690	ug/l	#	80
11) Tert butyl alcohol	5.524	59	97141	111.202	ug/l		99
12) 1,1-Dichloroethene	4.342	96	59582	19.247	ug/l		91
13) Acrolein	4.177	56	67486	96.264	ug/l		95
14) Allyl chloride	5.012	41	114422	20.424	ug/l		93
15) Acrylonitrile	5.712	53	232694	98.163	ug/l		97
16) Acetone	4.424	43	264610	122.670	ug/l		95
17) Carbon Disulfide	4.706	76	166545	18.146	ug/l	#	94
18) Methyl Acetate	5.018	43	123131	22.720	ug/l		98
19) Methyl tert-butyl Ether	5.789	73	260864	22.862	ug/l		98
20) Methylene Chloride	5.265	84	74231	19.972	ug/l		95
21) trans-1,2-Dichloroethene	5.771	96	66300	18.994	ug/l		93
22) Diisopropyl ether	6.659	45	255940	21.779	ug/l		94
23) Vinyl Acetate	6.589	43	1200447	116.798	ug/l		100
24) 1,1-Dichloroethane	6.559	63	142998	21.092	ug/l		98
25) 2-Butanone	7.477	43	352074	105.636	ug/l		98
26) 2,2-Dichloropropane	7.483	77	122382	23.217	ug/l		100
27) cis-1,2-Dichloroethene	7.477	96	85349	21.238	ug/l		98
28) Bromochloromethane	7.800	49	86255	26.583	ug/l		94
29) Tetrahydrofuran	7.830	42	226869	104.782	ug/l		98
30) Chloroform	7.953	83	147959	21.803	ug/l		100
31) Cyclohexane	8.247	56	117459	20.768	ug/l		93
32) 1,1,1-Trichloroethane	8.153	97	121717	20.709	ug/l		92
36) 1,1-Dichloropropene	8.353	75	93953	19.376	ug/l		97
37) Ethyl Acetate	7.547	43	140045	19.997	ug/l		99
38) Carbon Tetrachloride	8.347	117	98608	18.460	ug/l		99
39) Methylcyclohexane	9.582	83	104990	19.999	ug/l		95
40) Benzene	8.588	78	300280	19.160	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	72592	19.824	ug/l		97
42) 1,2-Dichloroethane	8.659	62	123364	20.757	ug/l		98
43) Isopropyl Acetate	8.677	43	226277	20.814	ug/l		97
44) Trichloroethene	9.335	130	64984	17.548	ug/l		80
45) 1,2-Dichloropropane	9.606	63	76438	19.195	ug/l		95
46) Dibromomethane	9.694	93	58121	19.494	ug/l		94
47) Bromodichloromethane	9.871	83	118437	19.721	ug/l	#	99
48) Methyl methacrylate	9.665	41	101733	20.787	ug/l		93
49) 1,4-Dioxane	9.682	88	30716	409.771	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.429	43	682146	99.209	ug/l		98
52) Toluene	10.612	92	184134	19.330	ug/l		95
53) t-1,3-Dichloropropene	10.818	75	126655	20.839	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	127653	20.333	ug/l	#	82
55) 1,1,2-Trichloroethane	11.000	97	75351	19.538	ug/l		93
56) Ethyl methacrylate	10.859	69	124909	20.038	ug/l	#	94
57) 1,3-Dichloropropane	11.147	76	133523	20.025	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	357207	112.912	ug/l		100
59) 2-Hexanone	11.182	43	449566	98.549	ug/l		99
60) Dibromochloromethane	11.341	129	83142	18.904	ug/l		98
61) 1,2-Dibromoethane	11.453	107	76462	18.856	ug/l		97
64) Tetrachloroethene	11.088	164	52809	16.970	ug/l		94
65) Chlorobenzene	11.871	112	204381	18.828	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	70375	19.066	ug/l		100
67) Ethyl Benzene	11.947	91	350836	19.633	ug/l		98
68) m/p-Xylenes	12.053	106	257573	38.492	ug/l		87
69) o-Xylene	12.382	106	126743	19.828	ug/l		92
70) Styrene	12.394	104	217628	20.239	ug/l		95
71) Bromoform	12.559	173	51553	17.288	ug/l	#	100
73) Isopropylbenzene	12.676	105	329550	21.254	ug/l		98
74) N-amyl acetate	12.529	43	117589m	18.253	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	118693	20.344	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	104369m	18.893	ug/l		
77) Bromobenzene	12.965	156	79368	19.737	ug/l		94
78) n-propylbenzene	13.018	91	406345	20.830	ug/l		97
79) 2-Chlorotoluene	13.106	91	249430	20.804	ug/l		95
80) 1,3,5-Trimethylbenzene	13.153	105	279232	21.137	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	35665	17.665	ug/l		91
82) 4-Chlorotoluene	13.206	91	259571	20.795	ug/l		96
83) tert-Butylbenzene	13.418	119	235302	21.326	ug/l		97
84) 1,2,4-Trimethylbenzene	13.465	105	293504	21.755	ug/l		95
85) sec-Butylbenzene	13.594	105	350703	21.102	ug/l		98
86) p-Isopropyltoluene	13.712	119	289012	21.699	ug/l		97
87) 1,3-Dichlorobenzene	13.717	146	150068	19.015	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	158514	18.806	ug/l		98
89) n-Butylbenzene	14.035	91	289625	22.773	ug/l		99
90) Hexachloroethane	14.312	117	54681	19.377	ug/l		94
91) 1,2-Dichlorobenzene	14.088	146	146430	19.585	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28461	18.580	ug/l		92
93) 1,2,4-Trichlorobenzene	15.370	180	88514	20.154	ug/l		98
94) Hexachlorobutadiene	15.476	225	32512	19.923	ug/l		99
95) Naphthalene	15.611	128	315158	20.256	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	83466	18.946	ug/l		96

Sample Results: **VN087528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

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

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

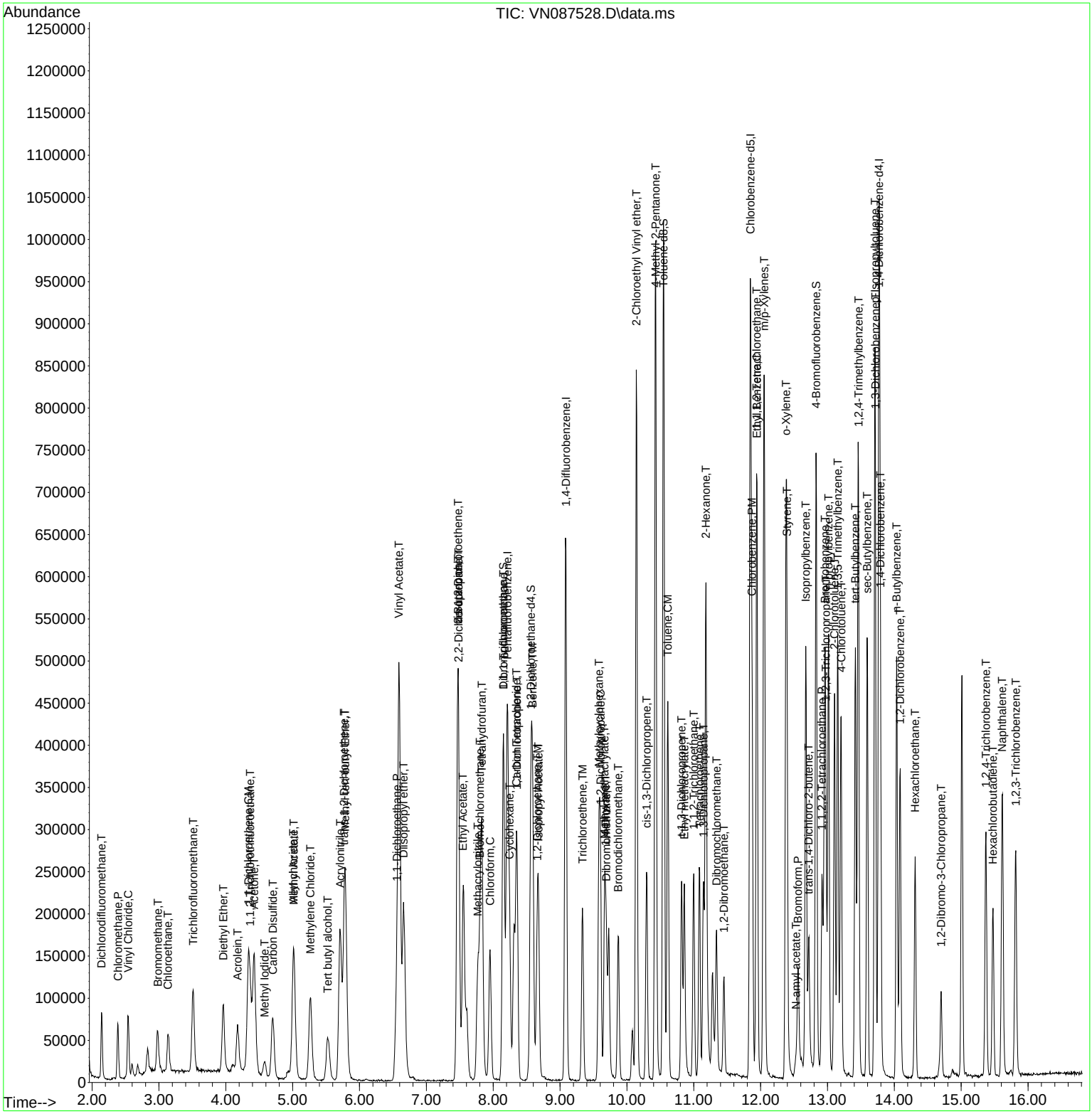
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087528.D
Acq On : 13 Aug 2025 12:39
Operator : JC\MD
Sample : VN0813WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:57:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087506.D
Acq On : 12 Aug 2025 12:15
Operator : JC\MD
Sample : VN0812WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 03:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	316315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	602749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	538329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	271905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	293328	54.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.300%			
35) Dibromofluoromethane	8.153	113	199025	47.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.547	98	729008	49.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.829	95	275991	50.369	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	81009	24.112	ug/l	94
3) Chloromethane	2.383	50	73711	17.447	ug/l	97
4) Vinyl Chloride	2.536	62	83444	19.874	ug/l	99
5) Bromomethane	2.977	94	41884	19.264	ug/l	99
6) Chloroethane	3.136	64	56927	20.790	ug/l	95
7) Trichlorofluoromethane	3.512	101	123785	19.938	ug/l	99
8) Diethyl Ether	3.965	74	51871	21.538	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	67497	21.179	ug/l	96
10) Methyl Iodide	4.583	142	36328	15.463	ug/l	97
11) Tert butyl alcohol	5.524	59	102209	100.292	ug/l	100
12) 1,1-Dichloroethene	4.336	96	69852	19.341	ug/l	98
13) Acrolein	4.171	56	99431	121.574	ug/l	98
14) Allyl chloride	5.006	41	124999	19.125	ug/l	90
15) Acrylonitrile	5.712	53	263751	95.373	ug/l	99
16) Acetone	4.418	43	255295	101.448	ug/l	97
17) Carbon Disulfide	4.700	76	196026	18.308	ug/l #	92
18) Methyl Acetate	5.018	43	133709	21.148	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	286216	21.501	ug/l	99
20) Methylene Chloride	5.265	84	82662	19.035	ug/l #	92
21) trans-1,2-Dichloroethene	5.777	96	75663	18.580	ug/l	97
22) Diisopropyl ether	6.659	45	288633	21.053	ug/l	93
23) Vinyl Acetate	6.594	43	1342042	111.925	ug/l	100
24) 1,1-Dichloroethane	6.553	63	151494	19.153	ug/l	99
25) 2-Butanone	7.471	43	375178	96.490	ug/l	99
26) 2,2-Dichloropropane	7.471	77	137342	22.334	ug/l	96
27) cis-1,2-Dichloroethene	7.477	96	91677	19.554	ug/l	93
28) Bromochloromethane	7.794	49	79375	20.968	ug/l	93
29) Tetrahydrofuran	7.830	42	242813	96.128	ug/l	99
30) Chloroform	7.953	83	158757	20.053	ug/l	99
31) Cyclohexane	8.241	56	134129	20.328	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	138332	20.174	ug/l	100
36) 1,1-Dichloropropene	8.353	75	105428	19.193	ug/l	98
37) Ethyl Acetate	7.547	43	150932	19.025	ug/l	96
38) Carbon Tetrachloride	8.347	117	112293	18.557	ug/l	97
39) Methylcyclohexane	9.582	83	126244	21.228	ug/l	97
40) Benzene	8.588	78	334355	18.833	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087506.D
Acq On : 12 Aug 2025 12:15
Operator : JC\MD
Sample : VN0812WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 03:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	83268	20.073	ug/l		97
42) 1,2-Dichloroethane	8.653	62	133532	19.834	ug/l		97
43) Isopropyl Acetate	8.677	43	248054	20.142	ug/l		98
44) Trichloroethene	9.335	130	75314	17.953	ug/l		95
45) 1,2-Dichloropropane	9.606	63	83396	18.487	ug/l		100
46) Dibromomethane	9.688	93	65028	19.253	ug/l		96
47) Bromodichloromethane	9.865	83	131255	19.293	ug/l		97
48) Methyl methacrylate	9.665	41	121895	21.986	ug/l		92
49) 1,4-Dioxane	9.682	88	32230	379.553	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.429	43	741796	95.234	ug/l		99
52) Toluene	10.612	92	202515	18.767	ug/l		95
53) t-1,3-Dichloropropene	10.818	75	141175	20.504	ug/l		94
54) cis-1,3-Dichloropropene	10.294	75	139104	19.559	ug/l	#	86
55) 1,1,2-Trichloroethane	11.000	97	82621	18.912	ug/l		93
56) Ethyl methacrylate	10.859	69	136760	19.396	ug/l	#	91
57) 1,3-Dichloropropane	11.147	76	143609	19.012	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	400299	111.697	ug/l		98
59) 2-Hexanone	11.182	43	487628	94.359	ug/l		99
60) Dibromochloromethane	11.341	129	89968	18.057	ug/l		98
61) 1,2-Dibromoethane	11.453	107	85152	18.537	ug/l		94
64) Tetrachloroethene	11.082	164	60688	17.516	ug/l		93
65) Chlorobenzene	11.871	112	223600	18.501	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	75727	18.427	ug/l		98
67) Ethyl Benzene	11.941	91	397671	19.987	ug/l		96
68) m/p-Xylenes	12.053	106	285031	38.257	ug/l		88
69) o-Xylene	12.376	106	145282	20.414	ug/l		98
70) Styrene	12.388	104	237836	19.866	ug/l		96
71) Bromoform	12.559	173	59255	17.847	ug/l	#	100
73) Isopropylbenzene	12.676	105	372519	21.768	ug/l		97
74) N-amyl acetate	12.523	43	129419m	18.202	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	125948	19.559	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	119046m	19.525	ug/l		
77) Bromobenzene	12.959	156	85950	19.366	ug/l		93
78) n-propylbenzene	13.018	91	464459	21.572	ug/l		96
79) 2-Chlorotoluene	13.106	91	274748	20.763	ug/l		96
80) 1,3,5-Trimethylbenzene	13.153	105	317546	21.778	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.718	75	36401	16.335	ug/l		90
82) 4-Chlorotoluene	13.200	91	286168	20.772	ug/l		96
83) tert-Butylbenzene	13.418	119	269275	22.112	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	318879	21.415	ug/l		96
85) sec-Butylbenzene	13.594	105	399890	21.800	ug/l		98
86) p-Isopropyltoluene	13.706	119	330968	22.514	ug/l		96
87) 1,3-Dichlorobenzene	13.712	146	164685	18.907	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	172838	18.579	ug/l		96
89) n-Butylbenzene	14.035	91	331861	23.642	ug/l		99
90) Hexachloroethane	14.312	117	60565	19.445	ug/l		94
91) 1,2-Dichlorobenzene	14.088	146	159900	19.377	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30887	18.270	ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	98215	20.262	ug/l		98
94) Hexachlorobutadiene	15.476	225	40380	22.420	ug/l		96
95) Naphthalene	15.617	128	352249	20.513	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	95710	19.684	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087506.D
Acq On : 12 Aug 2025 12:15
Operator : JC\MD
Sample : VN0812WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 03:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

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

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

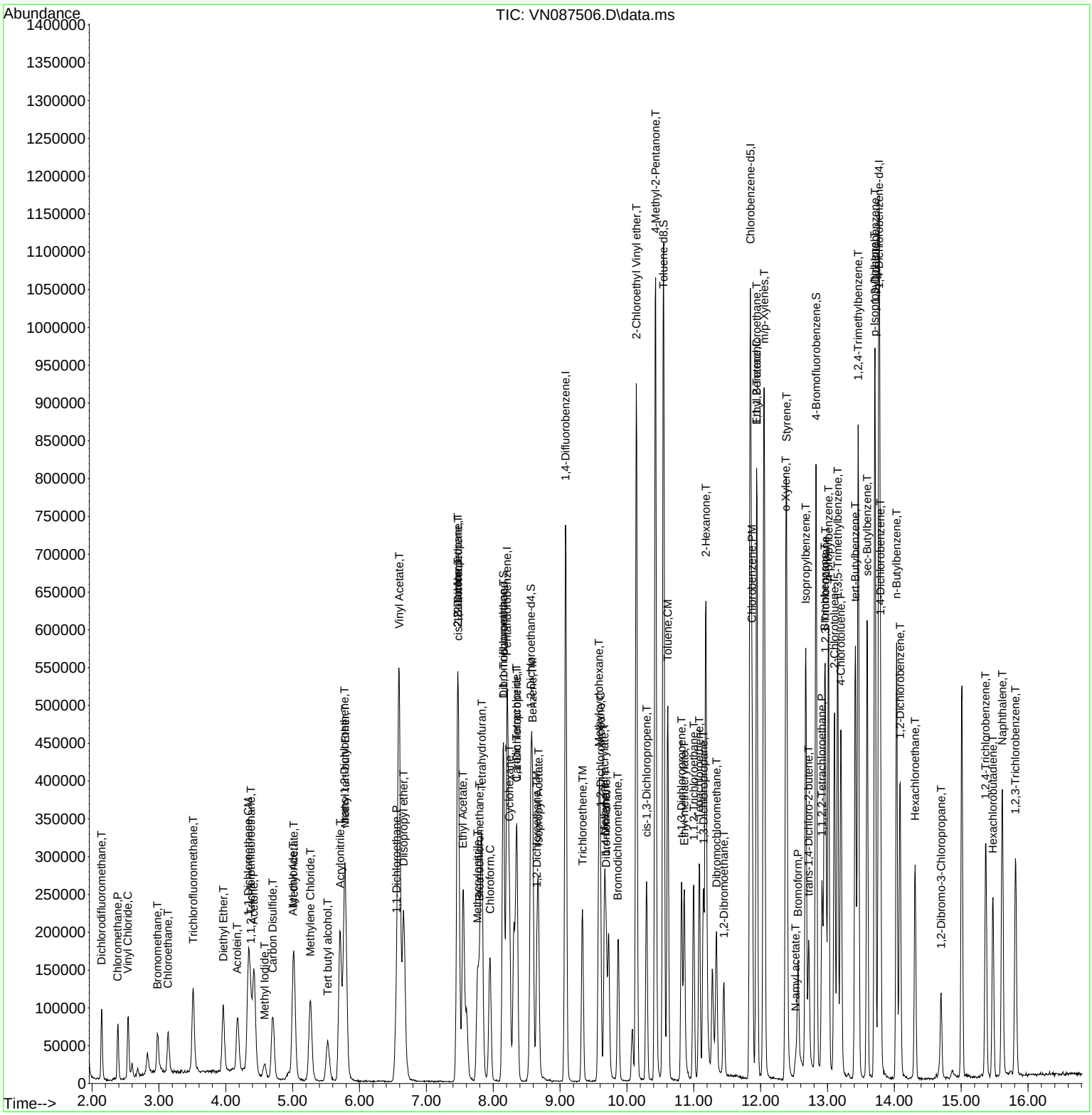
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
Data File : VN087506.D
Acq On : 12 Aug 2025 12:15
Operator : JC\MD
Sample : VN0812WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 03:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn081225	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087502.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:54:54 AM	MMDadoda	8/14/2025 7:34:45 PM	Peak Integrated by Software
VN0812WBS01	VN087505.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:55:00 AM	MMDadoda	8/14/2025 7:34:45 PM	Peak Integrated by Software
VN0812WBS01	VN087505.D	N-amyl acetate	JOHN	8/13/2025 8:55:00 AM	MMDadoda	8/14/2025 7:34:45 PM	Peak Integrated by Software
VN0812WBSD01	VN087506.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:55:03 AM	MMDadoda	8/14/2025 7:34:47 PM	Peak Integrated by Software
VN0812WBSD01	VN087506.D	N-amyl acetate	JOHN	8/13/2025 8:55:03 AM	MMDadoda	8/14/2025 7:34:47 PM	Peak Integrated by Software
VSTDCCC050	VN087523.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:56:38 AM	MMDadoda	8/14/2025 7:34:56 PM	Peak Integrated by Software
VSTDCCC050	VN087523.D	N-amyl acetate	JOHN	8/13/2025 8:56:38 AM	MMDadoda	8/14/2025 7:34:56 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn081325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087525.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:09 AM	MMDadoda	8/18/2025 8:47:04 AM	Peak Integrated by Software
VN0813WBS01	VN087528.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:15 AM	MMDadoda	8/18/2025 8:47:06 AM	Peak Integrated by Software
VN0813WBS01	VN087528.D	N-amyl acetate	JOHN	8/14/2025 8:56:15 AM	MMDadoda	8/18/2025 8:47:06 AM	Peak Integrated by Software
Q2825-01	VN087535.D	Acetone	JOHN	8/14/2025 8:56:29 AM	MMDadoda	8/18/2025 8:47:53 AM	Peak Integrated by Software
Q2825-01	VN087535.D	n-Butylbenzene	JOHN	8/14/2025 8:56:29 AM	MMDadoda	8/18/2025 8:47:53 AM	Peak Integrated by Software
VSTDCCC050	VN087550.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:56:57 AM	MMDadoda	8/18/2025 8:47:58 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081225

Review By	John Carlone	Review On	8/13/2025 9:02:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:02 PM		
SubDirectory	VN081225	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135094
Initial Calibration Stds	
CCC	VP135095,VP135096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087501.D	12 Aug 2025 07:57	JC\MD	Ok
2	VSTDCCC050	VN087502.D	12 Aug 2025 10:24	JC\MD	Ok,M
3	VN0812MBL01	VN087503.D	12 Aug 2025 10:45	JC\MD	Ok
4	VN0812WBL01	VN087504.D	12 Aug 2025 11:07	JC\MD	Ok
5	VN0812WBS01	VN087505.D	12 Aug 2025 11:42	JC\MD	Ok,M
6	VN0812WBSD01	VN087506.D	12 Aug 2025 12:15	JC\MD	Ok,M
7	PB169201TB	VN087507.D	12 Aug 2025 12:37	JC\MD	Ok
8	Q2808-04	VN087508.D	12 Aug 2025 12:58	JC\MD	ReRun
9	Q2827-04	VN087509.D	12 Aug 2025 13:19	JC\MD	ReRun
10	Q2831-03	VN087510.D	12 Aug 2025 13:41	JC\MD	Ok
11	Q2827-08	VN087511.D	12 Aug 2025 14:02	JC\MD	Ok,M
12	Q2816-01	VN087512.D	12 Aug 2025 14:24	JC\MD	Dilution
13	Q2816-05	VN087513.D	12 Aug 2025 14:46	JC\MD	Dilution
14	Q2816-06	VN087514.D	12 Aug 2025 15:07	JC\MD	Ok
15	Q2816-07	VN087515.D	12 Aug 2025 15:29	JC\MD	Ok
16	Q2816-08	VN087516.D	12 Aug 2025 15:51	JC\MD	ReRun
17	Q2816-09	VN087517.D	12 Aug 2025 16:13	JC\MD	Ok
18	Q2825-01	VN087518.D	12 Aug 2025 16:35	JC\MD	ReRun
19	Q2825-02	VN087519.D	12 Aug 2025 16:57	JC\MD	Ok
20	Q2816-02	VN087520.D	12 Aug 2025 17:19	JC\MD	Ok
21	Q2816-03MS	VN087521.D	12 Aug 2025 17:41	JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081225

Review By	John Carlone	Review On	8/13/2025 9:02:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:02 PM		
SubDirectory	VN081225	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135094
Initial Calibration Stds	
CCC	VP135095,VP135096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2816-04MSD	VN087522.D	12 Aug 2025 18:02	JC\MD	Ok,M
23	VSTDCCC050	VN087523.D	12 Aug 2025 18:24	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087524.D	13 Aug 2025 09:04	JC\MD	Ok
2	VSTDCCC050	VN087525.D	13 Aug 2025 10:57	JC\MD	Ok,M
3	VN0813MBL01	VN087526.D	13 Aug 2025 11:19	JC\MD	Ok
4	VN0813WBL01	VN087527.D	13 Aug 2025 11:41	JC\MD	Ok
5	VN0813WBS01	VN087528.D	13 Aug 2025 12:39	JC\MD	Ok,M
6	PB169213TB	VN087529.D	13 Aug 2025 13:01	JC\MD	Ok
7	VN0813WBSD01	VN087530.D	13 Aug 2025 13:23	JC\MD	Ok,M
8	Q2816-05DL	VN087531.D	13 Aug 2025 13:45	JC\MD	Ok
9	Q2816-01DL	VN087532.D	13 Aug 2025 14:07	JC\MD	Ok
10	Q2816-08	VN087533.D	13 Aug 2025 14:29	JC\MD	Ok
11	Q2825-02RE	VN087534.D	13 Aug 2025 14:51	JC\MD	Not Ok
12	Q2825-01	VN087535.D	13 Aug 2025 15:14	JC\MD	Ok,M
13	Q2808-04RE	VN087536.D	13 Aug 2025 15:36	JC\MD	Confirms
14	Q2827-04RE	VN087537.D	13 Aug 2025 15:58	JC\MD	Confirms
15	Q2732-01	VN087538.D	13 Aug 2025 16:21	JC\MD	Ok
16	Q2832-02	VN087539.D	13 Aug 2025 16:43	JC\MD	ReRun
17	Q2832-04	VN087540.D	13 Aug 2025 17:05	JC\MD	ReRun
18	Q2832-06	VN087541.D	13 Aug 2025 17:27	JC\MD	Ok
19	Q2832-08	VN087542.D	13 Aug 2025 17:50	JC\MD	Ok
20	Q2832-10	VN087543.D	13 Aug 2025 18:12	JC\MD	Ok
21	Q2836-01	VN087544.D	13 Aug 2025 18:34	JC\MD	ReRun

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2836-05	VN087545.D	13 Aug 2025 18:56	JC\MD	ReRun
23	Q2836-09	VN087546.D	13 Aug 2025 19:18	JC\MD	ReRun
24	Q2836-13	VN087547.D	13 Aug 2025 19:40	JC\MD	ReRun
25	Q2838-04	VN087548.D	13 Aug 2025 20:02	JC\MD	ReRun
26	Q2838-08	VN087549.D	13 Aug 2025 20:24	JC\MD	ReRun
27	VSTDCCC050	VN087550.D	13 Aug 2025 20:46	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081225

Review By	John Carlone	Review On	8/13/2025 9:02:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:02 PM		
SubDirectory	VN081225	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135094
Initial Calibration Stds	
CCC	VP135095,VP135096
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	VN087501.D	12 Aug 2025 07:57		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087502.D	12 Aug 2025 10:24	pH#Lot#V12668	JC\MD	Ok,M
3	VN0812MBL01	VN0812MBL01	VN087503.D	12 Aug 2025 10:45		JC\MD	Ok
4	VN0812WBL01	VN0812WBL01	VN087504.D	12 Aug 2025 11:07		JC\MD	Ok
5	VN0812WBS01	VN0812WBS01	VN087505.D	12 Aug 2025 11:42		JC\MD	Ok,M
6	VN0812WBSD01	VN0812WBSD01	VN087506.D	12 Aug 2025 12:15		JC\MD	Ok,M
7	PB169201TB	PB169201TB	VN087507.D	12 Aug 2025 12:37		JC\MD	Ok
8	Q2808-04	TP-7	VN087508.D	12 Aug 2025 12:58	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
9	Q2827-04	TP-8	VN087509.D	12 Aug 2025 13:19	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
10	Q2831-03	VNJ-238	VN087510.D	12 Aug 2025 13:41	vial A pH#5.0	JC\MD	Ok
11	Q2827-08	TP-9	VN087511.D	12 Aug 2025 14:02	vial A pH#5.0	JC\MD	Ok,M
12	Q2816-01	1055-MW-01(23)	VN087512.D	12 Aug 2025 14:24	vial A pH<2 Need 20X	JC\MD	Dilution
13	Q2816-05	1057-MW-03A(17)	VN087513.D	12 Aug 2025 14:46	vial A pH<2 Need 5X	JC\MD	Dilution
14	Q2816-06	1058-MW-11(15)	VN087514.D	12 Aug 2025 15:07	vial A pH<2	JC\MD	Ok
15	Q2816-07	1059-MW-17A(15.5)	VN087515.D	12 Aug 2025 15:29	vial A pH<2	JC\MD	Ok
16	Q2816-08	1060-FB080725	VN087516.D	12 Aug 2025 15:51	vial A pH<2 FB;Hit of Com.#16	JC\MD	ReRun
17	Q2816-09	1061-TB080725	VN087517.D	12 Aug 2025 16:13	vial A pH<2 TB	JC\MD	Ok
18	Q2825-01	TW1	VN087518.D	12 Aug 2025 16:35	vial A pH<2 Surrogate Fail	JC\MD	ReRun

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081225

Review By	John Carlone	Review On	8/13/2025 9:02:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:02 PM		
SubDirectory	VN081225	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135094
Initial Calibration Stds	
CCC	VP135095,VP135096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2825-02	FB	VN087519.D	12 Aug 2025 16:57	vial A pH<2 FB	JC\MD	Ok
20	Q2816-02	1056-MW-02(23.8)	VN087520.D	12 Aug 2025 17:19	vial A pH<2	JC\MD	Ok
21	Q2816-03MS	1056-MW-02(23.8)MS	VN087521.D	12 Aug 2025 17:41	vial A pH<2	JC\MD	Ok,M
22	Q2816-04MSD	1056-MW-02(23.8)MSD	VN087522.D	12 Aug 2025 18:02	vial A pH<2	JC\MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VN087523.D	12 Aug 2025 18:24		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
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	VN087524.D	13 Aug 2025 09:04		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087525.D	13 Aug 2025 10:57	pH#Lot#V12668	JC\MD	Ok,M
3	VN0813MBL01	VN0813MBL01	VN087526.D	13 Aug 2025 11:19		JC\MD	Ok
4	VN0813WBL01	VN0813WBL01	VN087527.D	13 Aug 2025 11:41		JC\MD	Ok
5	VN0813WBS01	VN0813WBS01	VN087528.D	13 Aug 2025 12:39		JC\MD	Ok,M
6	PB169213TB	PB169213TB	VN087529.D	13 Aug 2025 13:01		JC\MD	Ok
7	VN0813WBSD01	VN0813WBSD01	VN087530.D	13 Aug 2025 13:23		JC\MD	Ok,M
8	Q2816-05DL	1057-MW-03A(17)DL	VN087531.D	13 Aug 2025 13:45	vial B pH<2	JC\MD	Ok
9	Q2816-01DL	1055-MW-01(23)DL	VN087532.D	13 Aug 2025 14:07	vial B pH<2	JC\MD	Ok
10	Q2816-08	1060-FB080725	VN087533.D	13 Aug 2025 14:29	vial B pH<2 FB	JC\MD	Ok
11	Q2825-02RE	FBRE	VN087534.D	13 Aug 2025 14:51	FB;For Confirmation	JC\MD	Not Ok
12	Q2825-01	TW1	VN087535.D	13 Aug 2025 15:14	vial B pH<2	JC\MD	Ok,M
13	Q2808-04RE	TP-7RE	VN087536.D	13 Aug 2025 15:36	vial B pH#5.0 Surrogate fail	JC\MD	Confirms
14	Q2827-04RE	TP-8RE	VN087537.D	13 Aug 2025 15:58	vial B pH#5.0 Surrogate fail	JC\MD	Confirms
15	Q2732-01	WC-A7-01-G	VN087538.D	13 Aug 2025 16:21	vial A pH#5.0	JC\MD	Ok
16	Q2832-02	TG-S01	VN087539.D	13 Aug 2025 16:43	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
17	Q2832-04	TG-S02	VN087540.D	13 Aug 2025 17:05	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
18	Q2832-06	TG-S03	VN087541.D	13 Aug 2025 17:27	vial A pH#5.0	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081325

Review By	John Carlone	Review On	8/14/2025 9:03:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:14 AM		
SubDirectory	VN081325	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135108
Initial Calibration Stds	
CCC	VP135109,VP135110
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2832-08	TG-S04	VN087542.D	13 Aug 2025 17:50	vial A pH#5.0	JC\MD	Ok
20	Q2832-10	TG-S05	VN087543.D	13 Aug 2025 18:12	vial A pH#5.0	JC\MD	Ok
21	Q2836-01	WC-A2-15-G	VN087544.D	13 Aug 2025 18:34	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
22	Q2836-05	WC-A2-16-G	VN087545.D	13 Aug 2025 18:56	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
23	Q2836-09	WC-A2-17-G	VN087546.D	13 Aug 2025 19:18	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
24	Q2836-13	WC-A5-02-G	VN087547.D	13 Aug 2025 19:40	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
25	Q2838-04	TP-11	VN087548.D	13 Aug 2025 20:02	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
26	Q2838-08	TP-10	VN087549.D	13 Aug 2025 20:24	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
27	VSTDCCC050	VSTDCCC050EC	VN087550.D	13 Aug 2025 20:46		JC\MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2825	**OrderDate:**	8/11/2025 2:06:00 PM
Client:	G Environmental	**Project:**	DeCamp
Contact:	Gary Landis	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2825-01	**TW1**	**Water**			**08/10/25**			**08/11/25**
			VOCMS Group1	8260-Low			08/13/25	
Q2825-02	**FB**	**Water**			**08/10/25**			**08/11/25**
			VOCMS Group1	8260-Low			08/12/25	