

Hit Summary Sheet SW-846

SDG No.: Q2363
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	GCAP1							
Q2363-01	GCAP1	SOIL	Cyclohexane	32.3		0.86	5.40	ug/Kg
Q2363-01	GCAP1	SOIL	Methylcyclohexane	220	E	0.99	5.40	ug/Kg
			Total Voc :	252				
Q2363-01	GCAP1	SOIL	Naphthalene, decahydro-	* 150	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Butane, 2,2,3,3-tetramethyl-	* 110	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclohexane, 1,4-dimethyl-, cis	* 140	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclopentane, 1,2-dimethyl-, trans	* 110	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclopentane, 1-ethyl-2-methyl-	* 140	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclohexane, 1,3,5-trimethyl-,	* 120	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclohexane, 1,3-dimethyl-, trans	* 120	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclopentane, 1,2,4-trimethyl-	* 130	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 350	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclohexane, 1-ethyl-2-methyl-	* 130	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Pentalene, octahydro-2-methyl-	* 170	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	unknown12.713	* 110	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Benzene, (3-methyl-2-butenyl)-	* 95.7	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclohexane, 1-ethyl-2-methyl-	* 160	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	Cyclopentane, 1,2,3-trimethyl-,	* 240	J	0	0	ug/Kg
Q2363-01	GCAP1	SOIL	n-propylbenzene	* 4.30	J	0.79	5.40	ug/Kg
			Total Tics :	2280				
			Total Concentration:	2530				
Client ID:	GCAP1ME							
Q2363-01ME	GCAP1ME	SOIL	Cyclohexane	880	D	55.1	350	ug/Kg
Q2363-01ME	GCAP1ME	SOIL	Methylcyclohexane	3100	D	63.5	350	ug/Kg
			Total Voc :	3980				
			Total Concentration:	3980				
Client ID:	GCAP1W							
Q2363-02	GCAP1W	Water	Cyclohexane	1200	E	1.50	5.00	ug/L
Q2363-02	GCAP1W	Water	Methylcyclohexane	1000	E	0.16	1.00	ug/L
Q2363-02	GCAP1W	Water	Benzene	1.80		0.15	1.00	ug/L
Q2363-02	GCAP1W	Water	Toluene	6.70		0.14	1.00	ug/L
Q2363-02	GCAP1W	Water	Ethyl Benzene	76.5		0.13	1.00	ug/L
Q2363-02	GCAP1W	Water	o-Xylene	2.50		0.12	1.00	ug/L
Q2363-02	GCAP1W	Water	Isopropylbenzene	110		0.12	1.00	ug/L
			Total Voc :	2400				
Q2363-02	GCAP1W	Water	unknown10.780	* 120	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2363

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2363-02	GCAP1W	Water	Butane, 2-methyl-	* 170	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Pentane, 3-methyl-	* 130	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Cyclopentane, methyl-	* 580	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Pentane, 2-methyl-	* 110	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Pentane	* 160	J	0	0	ug/L
Q2363-02	GCAP1W	Water	n-Hexane	* 130	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Indane	* 220	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Cyclohexene, 1-methyl-	* 200	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Cyclopentane, 1,2-dimethyl-, tr	* 130	J	0	0	ug/L
Q2363-02	GCAP1W	Water	3-Phenylbut-1-ene	* 180	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Benzene, 2-ethyl-1,3-dimethyl-	* 110	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Cyclohexane, 1,1,3-trimethyl-	* 130	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Cyclohexane, 1,2-dimethyl-, tr	* 160	J	0	0	ug/L
Q2363-02	GCAP1W	Water	Benzene, 1-ethenyl-3-ethyl-	* 120	J	0	0	ug/L
Q2363-02	GCAP1W	Water	n-propylbenzene	* 190	J	0.13	1.00	ug/L
Q2363-02	GCAP1W	Water	sec-Butylbenzene	* 23.9	J	0.13	1.00	ug/L
Q2363-02	GCAP1W	Water	p-Isopropyltoluene	* 20.8	J	0.13	1.00	ug/L
Q2363-02	GCAP1W	Water	n-Butylbenzene	* 23.9	J	0.15	1.00	ug/L
Total Tics :				2910				
Total Concentration:				5310				
Client ID:	GCAP1WDL							
Q2363-02DL	GCAP1WDL	Water	Cyclohexane	910	D	29.0	100	ug/L
Q2363-02DL	GCAP1WDL	Water	Methylcyclohexane	720	D	3.20	20.0	ug/L
Q2363-02DL	GCAP1WDL	Water	Ethyl Benzene	49.0	D	2.60	20.0	ug/L
Q2363-02DL	GCAP1WDL	Water	Isopropylbenzene	71.4	D	2.40	20.0	ug/L
Total Voc :				1750				
Total Concentration:				1750				



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1		SDG No.:	Q2363	
Lab Sample ID:	Q2363-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	85.5	
Sample Wt/Vol:	5.39	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022793.D	1		06/24/25 13:32	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.86	U	0.86	5.40	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	5.10	U	5.10	27.1	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U	0.87	5.40	ug/Kg
110-82-7	Cyclohexane	32.3		0.86	5.40	ug/Kg
78-93-3	2-Butanone	7.10	U	7.10	27.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	220	E	0.99	5.40	ug/Kg
71-43-2	Benzene	0.86	U	0.86	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.99	U	0.99	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.85	U	0.85	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.1	ug/Kg
108-88-3	Toluene	0.85	U	0.85	5.40	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	06/18/25	
Project:	Capra			Date Received:	06/18/25	
Client Sample ID:	GCAP1			SDG No.:	Q2363	
Lab Sample ID:	Q2363-01			Matrix:	SOIL	
Analytical Method:	8260D			% Solid:	85.5	
Sample Wt/Vol:	5.39	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022793.D	1		06/24/25 13:32	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.71	U	0.71	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	27.1	ug/Kg
124-48-1	Dibromochloromethane	0.94	U	0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.95	U	0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.99	U	0.99	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.8	ug/Kg
95-47-6	o-Xylene	0.89	U	0.89	5.40	ug/Kg
100-42-5	Styrene	0.77	U	0.77	5.40	ug/Kg
75-25-2	Bromoform	0.93	U	0.93	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.40	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	65.0		70 (74) - 130 (123)	130%	SPK: 50
460-00-4	4-Bromofluorobenzene	82.5	*	70 (17) - 130 (146)	165%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	325000	7.701
540-36-3	1,4-Difluorobenzene	571000	8.61
3114-55-4	Chlorobenzene-d5	577000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	303000	13.34

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	06/18/25
Project:	Capra	Date Received:	06/18/25
Client Sample ID:	GCAP1	SDG No.:	Q2363
Lab Sample ID:	Q2363-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.5
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022793.D	1		06/24/25 13:32	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000594-82-1	Butane, 2,2,3,3-tetramethyl-	110	J		8.25	ug/Kg
000822-50-4	Cyclopentane, 1,2-dimethyl-, trans	110	J		8.34	ug/Kg
002815-58-9	Cyclopentane, 1,2,4-trimethyl-	130	J		9.38	ug/Kg
015890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1	240	J		9.53	ug/Kg
000930-89-2	Cyclopentane, 1-ethyl-2-methyl-, c	140	J		10.3	ug/Kg
000624-29-3	Cyclohexane, 1,4-dimethyl-, cis-	140	J		10.4	ug/Kg
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	120	J		10.5	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	350	J		11.0	ug/Kg
001795-26-2	Cyclohexane, 1,3,5-trimethyl-, (1.	120	J		11.2	ug/Kg
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	130	J		11.7	ug/Kg
004923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	160	J		11.9	ug/Kg
003868-64-2	Pentalene, octahydro-2-methyl-	170	J		12.1	ug/Kg
103-65-1	n-propylbenzene	4.30	J		12.6	ug/Kg
003971-29-7	unknown12.713	110	J		12.7	ug/Kg
000091-17-8	Naphthalene, decahydro-	150	J		13.7	ug/Kg
004489-84-3	Benzene, (3-methyl-2-butenyl)-	95.7	J		15.0	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1ME		SDG No.:	Q2363	
Lab Sample ID:	Q2363-01ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	85.5	
Sample Wt/Vol:	4.19	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087140.D	1		06/20/25 15:29	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	79.6	UD	79.6	350	ug/Kg
74-87-3	Chloromethane	79.6	UD	79.6	350	ug/Kg
75-01-4	Vinyl Chloride	55.1	UD	55.1	350	ug/Kg
74-83-9	Bromomethane	74.7	UD	74.7	350	ug/Kg
75-00-3	Chloroethane	87.9	UD	87.9	350	ug/Kg
75-69-4	Trichlorofluoromethane	84.4	UD	84.4	350	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	74.0	UD	74.0	350	ug/Kg
75-35-4	1,1-Dichloroethene	69.8	UD	69.8	350	ug/Kg
67-64-1	Acetone	330	UD	330	1700	ug/Kg
75-15-0	Carbon Disulfide	74.0	UD	74.0	350	ug/Kg
1634-04-4	Methyl tert-butyl Ether	50.9	UD	50.9	350	ug/Kg
79-20-9	Methyl Acetate	110	UD	110	350	ug/Kg
75-09-2	Methylene Chloride	250	UD	250	700	ug/Kg
156-60-5	trans-1,2-Dichloroethene	60.0	UD	60.0	350	ug/Kg
75-34-3	1,1-Dichloroethane	55.8	UD	55.8	350	ug/Kg
110-82-7	Cyclohexane	880	D	55.1	350	ug/Kg
78-93-3	2-Butanone	460	UD	460	1700	ug/Kg
56-23-5	Carbon Tetrachloride	67.7	UD	67.7	350	ug/Kg
156-59-2	cis-1,2-Dichloroethene	52.3	UD	52.3	350	ug/Kg
74-97-5	Bromochloromethane	80.3	UD	80.3	350	ug/Kg
67-66-3	Chloroform	58.6	UD	58.6	350	ug/Kg
71-55-6	1,1,1-Trichloroethane	64.9	UD	64.9	350	ug/Kg
108-87-2	Methylcyclohexane	3100	D	63.5	350	ug/Kg
71-43-2	Benzene	55.1	UD	55.1	350	ug/Kg
107-06-2	1,2-Dichloroethane	55.1	UD	55.1	350	ug/Kg
79-01-6	Trichloroethene	56.5	UD	56.5	350	ug/Kg
78-87-5	1,2-Dichloropropane	63.5	UD	63.5	350	ug/Kg
75-27-4	Bromodichloromethane	54.4	UD	54.4	350	ug/Kg
108-10-1	4-Methyl-2-Pentanone	250	UD	250	1700	ug/Kg
108-88-3	Toluene	54.4	UD	54.4	350	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	06/18/25
Project:	Capra	Date Received:	06/18/25
Client Sample ID:	GCAP1ME	SDG No.:	Q2363
Lab Sample ID:	Q2363-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.5
Sample Wt/Vol:	4.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087140.D	1		06/20/25 15:29	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	45.4	UD	45.4	350	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	43.3	UD	43.3	350	ug/Kg
79-00-5	1,1,2-Trichloroethane	64.2	UD	64.2	350	ug/Kg
591-78-6	2-Hexanone	260	UD	260	1700	ug/Kg
124-48-1	Dibromochloromethane	60.7	UD	60.7	350	ug/Kg
106-93-4	1,2-Dibromoethane	61.4	UD	61.4	350	ug/Kg
127-18-4	Tetrachloroethene	73.3	UD	73.3	350	ug/Kg
108-90-7	Chlorobenzene	63.5	UD	63.5	350	ug/Kg
100-41-4	Ethyl Benzene	46.8	UD	46.8	350	ug/Kg
179601-23-1	m/p-Xylenes	86.5	UD	86.5	700	ug/Kg
95-47-6	o-Xylene	57.2	UD	57.2	350	ug/Kg
100-42-5	Styrene	49.5	UD	49.5	350	ug/Kg
75-25-2	Bromoform	60.0	UD	60.0	350	ug/Kg
98-82-8	Isopropylbenzene	54.4	UD	54.4	350	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	84.4	UD	84.4	350	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	UD	120	350	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	UD	110	350	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	UD	100	350	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	130	UD	130	350	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	210	UD	210	350	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	220	UD	220	350	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	62.2		70 (70) - 130 (134)	124%	SPK: 50
2037-26-5	Toluene-d8	70.4	*	70 (74) - 130 (123)	141%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		70 (17) - 130 (146)	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	8.224			
540-36-3	1,4-Difluorobenzene	252000	9.1			
3114-55-4	Chlorobenzene-d5	281000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1ME		SDG No.:	Q2363	
Lab Sample ID:	Q2363-01ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	85.5	
Sample Wt/Vol:	4.19	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087140.D	1		06/20/25 15:29	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1W		SDG No.:	Q2363	
Lab Sample ID:	Q2363-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046768.D	1		06/19/25 13:36	VX061925

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	1200	E	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1000	E	0.16	1.00	ug/L
71-43-2	Benzene	1.80		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	6.70		0.14	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	06/18/25
Project:	Capra	Date Received:	06/18/25
Client Sample ID:	GCAP1W	SDG No.:	Q2363
Lab Sample ID:	Q2363-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046768.D	1		06/19/25 13:36	VX061925

[illegible]

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1WDL		SDG No.:	Q2363	
Lab Sample ID:	Q2363-02DL		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087127.D	20		06/20/25 11:01	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	UD	4.40	20.0	ug/L
74-87-3	Chloromethane	6.40	UD	6.40	20.0	ug/L
75-01-4	Vinyl Chloride	5.20	UD	5.20	20.0	ug/L
74-83-9	Bromomethane	28.8	UD	28.8	100	ug/L
75-00-3	Chloroethane	9.40	UD	9.40	20.0	ug/L
75-69-4	Trichlorofluoromethane	6.60	UD	6.60	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	5.00	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.60	UD	4.60	20.0	ug/L
67-64-1	Acetone	30.2	UD	30.2	100	ug/L
75-15-0	Carbon Disulfide	4.20	UD	4.20	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	3.20	UD	3.20	20.0	ug/L
79-20-9	Methyl Acetate	5.40	UDQ	5.40	20.0	ug/L
75-09-2	Methylene Chloride	5.60	UD	5.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.60	UD	4.60	20.0	ug/L
75-34-3	1,1-Dichloroethane	4.60	UD	4.60	20.0	ug/L
110-82-7	Cyclohexane	910	D	29.0	100	ug/L
78-93-3	2-Butanone	19.6	UD	19.6	100	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	3.80	20.0	ug/L
74-97-5	Bromochloromethane	4.40	UD	4.40	20.0	ug/L
67-66-3	Chloroform	5.00	UD	5.00	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	UD	4.00	20.0	ug/L
108-87-2	Methylcyclohexane	720	D	3.20	20.0	ug/L
71-43-2	Benzene	3.00	UD	3.00	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.40	UD	4.40	20.0	ug/L
79-01-6	Trichloroethene	1.90	UD	1.90	20.0	ug/L
78-87-5	1,2-Dichloropropane	4.00	UD	4.00	20.0	ug/L
75-27-4	Bromodichloromethane	4.40	UD	4.40	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	13.6	UD	13.6	100	ug/L
108-88-3	Toluene	2.80	UD	2.80	20.0	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1WDL		SDG No.:	Q2363	
Lab Sample ID:	Q2363-02DL		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087127.D	20		06/20/25 11:01	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	3.40	UD	3.40	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.20	UD	3.20	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	UD	4.20	20.0	ug/L
591-78-6	2-Hexanone	17.8	UD	17.8	100	ug/L
124-48-1	Dibromochloromethane	3.60	UD	3.60	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.00	UD	3.00	20.0	ug/L
127-18-4	Tetrachloroethene	4.60	UD	4.60	20.0	ug/L
108-90-7	Chlorobenzene	2.40	UD	2.40	20.0	ug/L
100-41-4	Ethyl Benzene	49.0	D	2.60	20.0	ug/L
179601-23-1	m/p-Xylenes	4.80	UD	4.80	40.0	ug/L
95-47-6	o-Xylene	2.40	UD	2.40	20.0	ug/L
100-42-5	Styrene	3.00	UD	3.00	20.0	ug/L
75-25-2	Bromoform	3.80	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	71.4	D	2.40	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.20	UD	5.20	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.20	UD	3.20	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	3.80	UD	3.80	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.20	UD	3.20	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.6	UD	10.6	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.00	UD	4.00	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	4.00	UD	4.00	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.4		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	53.5		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	192000	8.229			
540-36-3	1,4-Difluorobenzene	386000	9.106			
3114-55-4	Chlorobenzene-d5	347000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1WDL		SDG No.:	Q2363	
Lab Sample ID:	Q2363-02DL		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087127.D	20		06/20/25 11:01	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Surrogate Summary

SDG No.: **Q2363**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2363-01	GCAP1	1,2-Dichloroethane-d4	50	45.7	91	70 (63)	130 (155)
		Dibromofluoromethane	50	49.9	100	70 (70)	130 (134)
		Toluene-d8	50	65.0	130	70 (74)	130 (123)
		4-Bromofluorobenzene	50	82.5	165 *	70 (17)	130 (146)
Q2363-01ME	GCAP1ME	1,2-Dichloroethane-d4	50	50.0	100	70 (63)	130 (155)
		Dibromofluoromethane	50	62.2	124	70 (70)	130 (134)
		Toluene-d8	50	70.4	141 *	70 (74)	130 (123)
		4-Bromofluorobenzene	50	59.5	119	70 (17)	130 (146)
VN0620MBL01	VN0620MBL01	1,2-Dichloroethane-d4	50	52.6	105	70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103	70 (70)	130 (134)
		Toluene-d8	50	52.9	106	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.9	96	70 (17)	130 (146)
VN0620MBS01	VN0620MBS01	1,2-Dichloroethane-d4	50	46.1	92	70 (63)	130 (155)
		Dibromofluoromethane	50	54.3	109	70 (70)	130 (134)
		Toluene-d8	50	53.0	106	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102	70 (17)	130 (146)
VY0624SBL01	VY0624SBL01	1,2-Dichloroethane-d4	50	54.5	109	70 (63)	130 (155)
		Dibromofluoromethane	50	52.4	105	70 (70)	130 (134)
		Toluene-d8	50	49.2	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86	70 (17)	130 (146)
VY0624SBS01	VY0624SBS01	1,2-Dichloroethane-d4	50	50.7	101	70 (63)	130 (155)
		Dibromofluoromethane	50	51.1	102	70 (70)	130 (134)
		Toluene-d8	50	50.7	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (17)	130 (146)
VY0624SBSD01	VY0624SBSD01	1,2-Dichloroethane-d4	50	48.6	97	70 (63)	130 (155)
		Dibromofluoromethane	50	49.7	99	70 (70)	130 (134)
		Toluene-d8	50	50.5	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.7	95	70 (17)	130 (146)

Surrogate Summary

SDG No.: **Q2363**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2363-02	GCAP1W	1,2-Dichloroethane-d4	50	45.6	91	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.6	103	70 (77)	130 (121)
Q2363-02DL	GCAP1WDL	1,2-Dichloroethane-d4	50	54.4	109	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	53.5	107	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)
VN0620WBL01	VN0620WBL01	1,2-Dichloroethane-d4	50	54.9	110	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	52.7	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)
VN0620WBS01	VN0620WBS01	1,2-Dichloroethane-d4	50	47.4	95	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	105	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101	70 (77)	130 (121)
VX0619WBL01	VX0619WBL01	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
VX0619WBS01	VX0619WBS01	1,2-Dichloroethane-d4	50	49.8	100	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	52.3	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.1	108	70 (77)	130 (121)
VX0619WBSD0	VX0619WBSD01	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	52.7	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.9	110	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN087125.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0620WBS01	Dichlorodifluoromethane	20	17.6	ug/L	88			40 (69)	160 (116)	
	Chloromethane	20	15.3	ug/L	77			40 (65)	160 (116)	
	Vinyl chloride	20	18.4	ug/L	92			70 (65)	130 (117)	
	Bromomethane	20	19.3	ug/L	97			40 (58)	160 (125)	
	Chloroethane	20	18.6	ug/L	93			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.1	ug/L	91			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.4	ug/L	92			70 (74)	130 (110)	
	Acetone	100	74.1	ug/L	74			40 (60)	160 (125)	
	Carbon disulfide	20	18.9	ug/L	95			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.1	ug/L	86			70 (78)	130 (114)	
	Methyl Acetate	20	13.8	ug/L	69		*	70 (67)	130 (125)	
	Methylene Chloride	20	17.5	ug/L	88			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.0	ug/L	90			70 (78)	130 (112)	
	Cyclohexane	20	16.0	ug/L	80			70 (75)	130 (110)	
	2-Butanone	100	73.4	ug/L	73			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.9	ug/L	95			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.8	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	15.4	ug/L	77			70 (70)	130 (124)	
	Chloroform	20	17.5	ug/L	88			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	15.5	ug/L	78			70 (72)	130 (115)	
	Benzene	20	18.1	ug/L	91			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.1	ug/L	91			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	18.2	ug/L	91			70 (83)	130 (111)	
	Bromodichloromethane	20	18.2	ug/L	91			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	81.6	ug/L	82			40 (74)	160 (118)	
	Toluene	20	18.5	ug/L	93			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.6	ug/L	93			70 (83)	130 (112)	
	2-Hexanone	100	71.9	ug/L	72			40 (73)	160 (117)	
	Dibromochloromethane	20	19.0	ug/L	95			70 (82)	130 (110)	
	1,2-Dibromoethane	20	17.9	ug/L	90			70 (81)	130 (110)	
	Tetrachloroethene	20	17.9	ug/L	90			70 (67)	130 (123)	
	Chlorobenzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	17.4	ug/L	87			70 (83)	130 (109)	
	m/p-Xylenes	40	36.2	ug/L	91			70 (82)	130 (110)	
	o-Xylene	20	18.0	ug/L	90			70 (83)	130 (109)	
	Styrene	20	18.0	ug/L	90			70 (80)	130 (111)	
	Bromoform	20	18.8	ug/L	94			70 (79)	130 (109)	
	Isopropylbenzene	20	17.1	ug/L	86			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.4	ug/L	87			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN087125.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0620WBS01	1,2-Dibromo-3-Chloropropane	20	14.9	ug/L	75			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.1	ug/L	76			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	14.7	ug/L	74			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN087138.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0620MBS01	Dichlorodifluoromethane	2000	2000	ug/Kg	100			40 (64)	160 (136)	
	Chloromethane	2000	1600	ug/Kg	80			40 (52)	160 (151)	
	Vinyl chloride	2000	2100	ug/Kg	105			70 (56)	130 (148)	
	Bromomethane	2000	2100	ug/Kg	105			40 (58)	160 (141)	
	Chloroethane	2000	1900	ug/Kg	95			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1800	ug/Kg	90			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	2100	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	2100	ug/Kg	105			70 (79)	130 (121)	
	Acetone	10000	7900	ug/Kg	79			40 (40)	160 (171)	
	Carbon disulfide	2000	2100	ug/Kg	105			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1900	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1900	ug/Kg	95			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	2000	1700	ug/Kg	85			70 (76)	130 (122)	
	2-Butanone	10000	7200	ug/Kg	72			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1700	ug/Kg	85			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			70 (80)	130 (126)	
	Methylcyclohexane	2000	1600	ug/Kg	80			70 (77)	130 (123)	
	Benzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	2000	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8500	ug/Kg	85			40 (70)	160 (135)	
	Toluene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1700	ug/Kg	85			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	10000	7200	ug/Kg	72			40 (66)	160 (138)	
	Dibromochloromethane	2000	2000	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	1600	ug/Kg	80			70 (83)	130 (125)	
	Chlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	2000	1600	ug/Kg	80			70 (82)	130 (124)	
	m/p-Xylenes	4000	3400	ug/Kg	85			70 (83)	130 (124)	
	o-Xylene	2000	1800	ug/Kg	90			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1800	ug/Kg	90			70 (75)	130 (127)	
	Isopropylbenzene	2000	1700	ug/Kg	85			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1700	ug/Kg	85			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN087138.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0620MBS01	1,2-Dibromo-3-Chloropropane	2000	1600	ug/Kg	80			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1500	ug/Kg	75			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1500	ug/Kg	75			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046762.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0619WBS01	Dichlorodifluoromethane	20	19.1	ug/L	96			40 (69)	160 (116)	
	Chloromethane	20	18.7	ug/L	94			40 (65)	160 (116)	
	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	21.2	ug/L	106			40 (58)	160 (125)	
	Chloroethane	20	19.9	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.4	ug/L	92			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	Acetone	100	74.1	ug/L	74			40 (60)	160 (125)	
	Carbon disulfide	20	17.0	ug/L	85			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.0	ug/L	85			70 (78)	130 (114)	
	Methyl Acetate	20	16.0	ug/L	80			70 (67)	130 (125)	
	Methylene Chloride	20	18.1	ug/L	91			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.5	ug/L	93			70 (78)	130 (112)	
	Cyclohexane	20	18.8	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	78.9	ug/L	79			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			70 (77)	130 (110)	
	Bromochloromethane	20	20.8	ug/L	104			70 (70)	130 (124)	
	Chloroform	20	19.0	ug/L	95			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	18.5	ug/L	93			70 (72)	130 (115)	
	Benzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.5	ug/L	93			70 (80)	130 (115)	
	Trichloroethene	20	18.4	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	18.4	ug/L	92			70 (83)	130 (111)	
	Bromodichloromethane	20	18.9	ug/L	95			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	81.6	ug/L	82			40 (74)	160 (118)	
	Toluene	20	19.0	ug/L	95			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.2	ug/L	91			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.5	ug/L	93			70 (83)	130 (112)	
	2-Hexanone	100	78.9	ug/L	79			40 (73)	160 (117)	
	Dibromochloromethane	20	18.4	ug/L	92			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.0	ug/L	90			70 (81)	130 (110)	
	Tetrachloroethene	20	17.7	ug/L	89			70 (67)	130 (123)	
	Chlorobenzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	Ethyl Benzene	20	18.0	ug/L	90			70 (83)	130 (109)	
	m/p-Xylenes	40	37.2	ug/L	93			70 (82)	130 (110)	
	o-Xylene	20	18.6	ug/L	93			70 (83)	130 (109)	
	Styrene	20	18.3	ug/L	92			70 (80)	130 (111)	
	Bromoform	20	16.7	ug/L	84			70 (79)	130 (109)	
	Isopropylbenzene	20	18.1	ug/L	91			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046762.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0619WBS01	1,2-Dibromo-3-Chloropropane	20	15.1	ug/L	76			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.1	ug/L	86			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046763.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0619WBSD01	Dichlorodifluoromethane	20	19.8	ug/L	99	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	19.5	ug/L	98	4		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	19.7	ug/L	99	4		70 (65)	130 (117)	20 (19)
	Bromomethane	20	22.2	ug/L	111	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	20.6	ug/L	103	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.3	ug/L	97	5		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99	6		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.5	ug/L	98	5		70 (74)	130 (110)	20 (20)
	Acetone	100	81.5	ug/L	82	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.0	ug/L	90	6		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	18.7	ug/L	94	10		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	17.8	ug/L	89	11		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.3	ug/L	97	6		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	4		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.4	ug/L	97	4		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.7	ug/L	99	5		70 (75)	130 (110)	20 (20)
	2-Butanone	100	87.0	ug/L	87	10		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.1	ug/L	96	6		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	4		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	23.1	ug/L	116	11		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.5	ug/L	103	8		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.3	ug/L	97	9		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.0	ug/L	95	2		70 (72)	130 (115)	20 (20)
	Benzene	20	20.0	ug/L	100	5		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.1	ug/L	101	8		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.3	ug/L	97	5		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	20.3	ug/L	102	10		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	20.1	ug/L	101	6		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	91.8	ug/L	92	11		40 (74)	160 (118)	20 (25)
	Toluene	20	20.3	ug/L	102	7		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.5	ug/L	98	9		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.9	ug/L	100	9		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.4	ug/L	102	9		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	88.8	ug/L	89	12		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.9	ug/L	100	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.1	ug/L	101	12		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.8	ug/L	94	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	19.4	ug/L	97	7		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.1	ug/L	96	6		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	38.8	ug/L	97	4		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.8	ug/L	99	6		70 (83)	130 (109)	20 (20)
	Styrene	20	19.7	ug/L	99	7		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.4	ug/L	92	9		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.6	ug/L	93	2		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.6	ug/L	93	4		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	17.8	ug/L	89	1		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.0	ug/L	95	4		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046763.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0619WBSD01	1,2-Dibromo-3-Chloropropane	20	16.1	ug/L	81	6		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.3	ug/L	92	7		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	18.2	ug/L	91	3		70 (76)	130 (114)	20 (29)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0624SBS01	Dichlorodifluoromethane	20	20.7	ug/Kg	104			40 (64)	160 (136)	
	Chloromethane	20	20.4	ug/Kg	102			40 (52)	160 (151)	
	Vinyl chloride	20	20.3	ug/Kg	102			70 (56)	130 (148)	
	Bromomethane	20	21.4	ug/Kg	107			40 (58)	160 (141)	
	Chloroethane	20	20.3	ug/Kg	102			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.2	ug/Kg	101			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	100	ug/Kg	100			40 (40)	160 (171)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	18.7	ug/Kg	94			70 (69)	130 (149)	
	Methylene Chloride	20	18.3	ug/Kg	92			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Cyclohexane	20	20.1	ug/Kg	101			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.9	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (82)	130 (123)	
	Bromochloromethane	20	20.5	ug/Kg	103			70 (80)	130 (127)	
	Chloroform	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			70 (80)	130 (126)	
	Methylcyclohexane	20	20.1	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	Bromodichloromethane	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	2-Hexanone	100	98.6	ug/Kg	99			40 (66)	160 (138)	
	Dibromochloromethane	20	19.6	ug/Kg	98			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (122)	
	Ethyl Benzene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	m/p-Xylenes	40	39.0	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.0	ug/Kg	95			70 (83)	130 (123)	
	Styrene	20	19.1	ug/Kg	96			70 (82)	130 (124)	
	Bromoform	20	18.8	ug/Kg	94			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0624SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0624SBSD01	Dichlorodifluoromethane	20	21.6	ug/Kg	108	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.9	ug/Kg	100	2		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.6	ug/Kg	103	1		70 (56)	130 (148)	30 (20)
	Bromomethane	20	20.6	ug/Kg	103	4		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.0	ug/Kg	100	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.7	ug/Kg	104	3		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	2		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.0	ug/Kg	100	1		70 (79)	130 (121)	30 (20)
	Acetone	100	94.2	ug/Kg	94	6		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.5	ug/Kg	103	0		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96	5		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	17.5	ug/Kg	88	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	17.9	ug/Kg	90	2		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.3	ug/Kg	102	1		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.2	ug/Kg	101	0		70 (76)	130 (122)	30 (20)
	2-Butanone	100	93.6	ug/Kg	94	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.6	ug/Kg	103	3		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.2	ug/Kg	101	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.7	ug/Kg	99	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.3	ug/Kg	102	1		70 (77)	130 (123)	30 (20)
	Benzene	20	20.2	ug/Kg	101	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.6	ug/Kg	103	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.0	ug/Kg	100	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	19.9	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	95.0	ug/Kg	95	5		40 (70)	160 (135)	30 (20)
	Toluene	20	20.0	ug/Kg	100	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98	3		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99	3		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	90.5	ug/Kg	91	8		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.6	ug/Kg	98	0		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.1	ug/Kg	96	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.6	ug/Kg	108	15		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.1	ug/Kg	101	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	3		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.5	ug/Kg	99	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.3	ug/Kg	97	2		70 (83)	130 (123)	30 (20)
	Styrene	20	19.3	ug/Kg	97	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.0	ug/Kg	95	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.5	ug/Kg	103	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.7	ug/Kg	94	15		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	2		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2363

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0624SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	1		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	4		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	3		70 (70)	130 (137)	30 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0620MBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2363

SAS No.: Q2363 SDG NO.: Q2363

Lab File ID: VN087123.D

Lab Sample ID: VN0620MBL01

Date Analyzed: 06/20/2025

Time Analyzed: 09:25

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
VN0620MBS01	VN0620MBS01	VN087138.D	06/20/2025
GCAP1ME	Q2363-01ME	VN087140.D	06/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0620WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2363

SAS No.: Q2363 SDG NO.: Q2363

Lab File ID: VN087124.D

Lab Sample ID: VN0620WBL01

Date Analyzed: 06/20/2025

Time Analyzed: 09:46

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
VN0620WBS01	VN0620WBS01	VN087125.D	06/20/2025
GCAP1WDL	Q2363-02DL	VN087127.D	06/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0619WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2363

SAS No.: Q2363 SDG NO.: Q2363

Lab File ID: VX046760.D

Lab Sample ID: VX0619WBL01

Date Analyzed: 06/19/2025

Time Analyzed: 10:33

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0619WBS01	VX0619WBS01	VX046762.D	06/19/2025
VX0619WBSD01	VX0619WBSD01	VX046763.D	06/19/2025
GCAP1W	Q2363-02	VX046768.D	06/19/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0624SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2363

SAS No.: Q2363 SDG NO.: Q2363

Lab File ID: VY022786.D

Lab Sample ID: VY0624SBL01

Date Analyzed: 06/24/2025

Time Analyzed: 10:25

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0624SBS01	VY0624SBS01	VY022787.D	06/24/2025
VY0624SBSD01	VY0624SBSD01	VY022788.D	06/24/2025
GCAP1	Q2363-01	VY022793.D	06/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
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	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086862.D	06/06/2025	12:44
VSTDIC005	VSTDIC005	VN086863.D	06/06/2025	13:17
VSTDIC020	VSTDIC020	VN086864.D	06/06/2025	13:40
VSTDIC050	VSTDIC050	VN086865.D	06/06/2025	14:03
VSTDIC100	VSTDIC100	VN086866.D	06/06/2025	14:26
VSTDIC150	VSTDIC150	VN086867.D	06/06/2025	14:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VN087121.D BFB Injection Date: 06/20/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:18
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	16
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.4 (7.3) 1
176	95.0 - 101.0% of mass 174	71.5 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087122.D	06/20/2025	08:51
VN0620MBL01	VN0620MBL01	VN087123.D	06/20/2025	09:25
VN0620WBL01	VN0620WBL01	VN087124.D	06/20/2025	09:46
VN0620WBS01	VN0620WBS01	VN087125.D	06/20/2025	10:06
GCAP1WDL	Q2363-02DL	VN087127.D	06/20/2025	11:01
VN0620MBS01	VN0620MBS01	VN087138.D	06/20/2025	14:48
GCAP1ME	Q2363-01ME	VN087140.D	06/20/2025	15:29

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VX046715.D BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:46
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VX046718.D	06/17/2025	11:19
VSTDIC020	VSTDIC020	VX046719.D	06/17/2025	13:59
VSTDIC050	VSTDIC050	VX046720.D	06/17/2025	14:20
VSTDIC100	VSTDIC100	VX046721.D	06/17/2025	14:41
VSTDIC150	VSTDIC150	VX046722.D	06/17/2025	15:02
VSTDIC001	VSTDIC001	VX046725.D	06/17/2025	17:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VX046757.D BFB Injection Date: 06/19/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:42
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	5.7 (7.8) 1
176	95.0 - 101.0% of mass 174	71.1 (97.9) 1
177	5.0 - 9.0% of mass 176	4.5 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046758.D	06/19/2025	09:43
VX0619WBL01	VX0619WBL01	VX046760.D	06/19/2025	10:33
VX0619WBS01	VX0619WBS01	VX046762.D	06/19/2025	11:24
VX0619WBSD01	VX0619WBSD01	VX046763.D	06/19/2025	11:51
GCAP1W	Q2363-02	VX046768.D	06/19/2025	13:36

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VY022775.D BFB Injection Date: 06/23/2025
Instrument ID: MSVOA_Y BFB Injection Time: 10:17
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022776.D	06/23/2025	13:38
VSTDIC010	VSTDIC010	VY022777.D	06/23/2025	14:00
VSTDIC020	VSTDIC020	VY022778.D	06/23/2025	14:23
VSTDIC050	VSTDIC050	VY022779.D	06/23/2025	14:46
VSTDIC100	VSTDIC100	VY022780.D	06/23/2025	15:08
VSTDIC150	VSTDIC150	VY022781.D	06/23/2025	15:31

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VY022784.D BFB Injection Date: 06/24/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:49
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	6.2 (7.7) 1
176	95.0 - 101.0% of mass 174	77.4 (96.9) 1
177	5.0 - 9.0% of mass 176	5.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022785.D	06/24/2025	09:20
VY0624SBL01	VY0624SBL01	VY022786.D	06/24/2025	10:25
VY0624SBS01	VY0624SBS01	VY022787.D	06/24/2025	10:58
VY0624SBSD01	VY0624SBSD01	VY022788.D	06/24/2025	11:21
GCAP1	Q2363-01	VY022793.D	06/24/2025	13:32

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VN087122.D Date Analyzed: 06/20/2025
Instrument ID: MSVOA_N Time Analyzed: 08:51
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	203626	8.23	354629	9.11	307356	11.87
UPPER LIMIT	407252	8.73	709258	9.606	614712	12.365
LOWER LIMIT	101813	7.73	177315	8.606	153678	11.365
EPA SAMPLE NO.						
GCAP1ME	160799	8.22	252217	9.10	281251	11.87
VN0620MBL01	161603	8.23	319855	9.11	284735	11.87
VN0620MBS01	157684	8.23	276593	9.11	261641	11.87
GCAP1WDL	192434	8.23	385508	9.11	346901	11.87
VN0620WBL01	186699	8.23	379621	9.11	343369	11.87
VN0620WBS01	175525	8.23	309350	9.11	276352	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
 Lab File ID: VN087122.D Date Analyzed: 06/20/2025
 Instrument ID: MSVOA_N Time Analyzed: 08:51
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	151554	13.788				
UPPER LIMIT	303108	14.288				
LOWER LIMIT	75777	13.288				
EPA SAMPLE NO.						
GCAP1ME	129659	13.79				
VN0620MBL01	131966	13.79				
VN0620MBS01	136861	13.79				
GCAP1WDL	163544	13.79				
VN0620WBL01	159510	13.79				
VN0620WBS01	139787	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VX046758.D Date Analyzed: 06/19/2025
Instrument ID: MSVOA_X Time Analyzed: 09:43
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	137182	5.56	224265	6.76	197740	10.05
UPPER LIMIT	274364	6.056	448530	7.263	395480	10.549
LOWER LIMIT	68591	5.056	112133	6.263	98870	9.549
EPA SAMPLE NO.						
GCAP1W	97884	5.56	166362	6.77	147962	10.06
VX0619WBL01	124937	5.56	212303	6.77	191555	10.06
VX0619WBS01	137936	5.56	227140	6.77	207463	10.06
VX0619WBSD01	120371	5.56	199496	6.76	183807	10.06

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VX046758.D Date Analyzed: 06/19/2025
Instrument ID: MSVOA_X Time Analyzed: 09:43
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	96867	12.018				
UPPER LIMIT	193734	12.518				
LOWER LIMIT	48433.5	11.518				
EPA SAMPLE NO.						
GCAP1W	72498	12.02				
VX0619WBL01	93040	12.02				
VX0619WBS01	104652	12.02				
VX0619WBSD01	94851	12.02				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VY022785.D Date Analyzed: 06/24/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:20
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	480569	7.71	788269	8.62	678315	11.41
UPPER LIMIT	961138	8.207	1576540	9.116	1356630	11.914
LOWER LIMIT	240285	7.207	394135	8.116	339158	10.914
EPA SAMPLE NO.						
GCAP1	325185	7.70	571084	8.61	576784	11.41
VY0624SBL01	300507	7.71	535641	8.61	452693	11.41
VY0624SBS01	456381	7.70	765818	8.61	658494	11.41
VY0624SBSD01	454676	7.71	751533	8.61	644021	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363
Lab File ID: VY022785.D Date Analyzed: 06/24/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:20
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	340335	13.34				
UPPER LIMIT	680670	13.84				
LOWER LIMIT	170168	12.84				
EPA SAMPLE NO.						
GCAP1	303388	13.34				
VY0624SBL01	171409	13.34				
VY0624SBS01	311846	13.34				
VY0624SBSD01	303566	13.34				

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VN0620MBL01	SDG No.:	Q2363
Lab Sample ID:	VN0620MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087123.D	1		06/20/25 09:25	VN062025

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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620MBL01		SDG No.:	Q2363
Lab Sample ID:	VN0620MBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087123.D	1		06/20/25 09:25	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	52.9		70 (74) - 130 (123)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (17) - 130 (146)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.23			
540-36-3	1,4-Difluorobenzene	320000	9.106			
3114-55-4	Chlorobenzene-d5	285000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620MBL01		SDG No.:	Q2363
Lab Sample ID:	VN0620MBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087123.D	1		06/20/25 09:25	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620WBL01		SDG No.:	Q2363
Lab Sample ID:	VN0620WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087124.D	1		06/20/25 09:46	VN062025

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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620WBL01		SDG No.:	Q2363
Lab Sample ID:	VN0620WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087124.D	1		06/20/25 09:46	VN062025

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	54.9		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	52.7		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.23			
540-36-3	1,4-Difluorobenzene	380000	9.106			
3114-55-4	Chlorobenzene-d5	343000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620WBL01		SDG No.:	Q2363
Lab Sample ID:	VN0620WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087124.D	1		06/20/25 09:46	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0619WBL01		SDG No.:	Q2363
Lab Sample ID:	VX0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046760.D	1		06/19/25 10:33	VX061925

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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0619WBL01		SDG No.:	Q2363
Lab Sample ID:	VX0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046760.D	1		06/19/25 10:33	VX061925

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	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	5.562			
540-36-3	1,4-Difluorobenzene	212000	6.769			
3114-55-4	Chlorobenzene-d5	192000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	93000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0619WBL01		SDG No.:	Q2363
Lab Sample ID:	VX0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046760.D	1		06/19/25 10:33	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2363
Lab Sample ID:	VY0624SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022786.D	1		06/24/25 10:25	VY062425

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2363
Lab Sample ID:	VY0624SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022786.D	1		06/24/25 10:25	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (17) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	7.707			
540-36-3	1,4-Difluorobenzene	536000	8.61			
3114-55-4	Chlorobenzene-d5	453000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.34			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VY0624SBL01		SDG No.:	Q2363
Lab Sample ID:	VY0624SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022786.D	1		06/24/25 10:25	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VN0620MBS01	SDG No.:	Q2363
Lab Sample ID:	VN0620MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087138.D	1		06/20/25 14:48	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2000		110	500	ug/Kg
74-87-3	Chloromethane	1600		110	500	ug/Kg
75-01-4	Vinyl Chloride	2100		79.0	500	ug/Kg
74-83-9	Bromomethane	2100		110	500	ug/Kg
75-00-3	Chloroethane	1900		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1800		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2100		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	2100		100	500	ug/Kg
67-64-1	Acetone	7900		470	2500	ug/Kg
75-15-0	Carbon Disulfide	2100		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1900		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		80.0	500	ug/Kg
110-82-7	Cyclohexane	1700		79.0	500	ug/Kg
78-93-3	2-Butanone	7200		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1700		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1900		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1600		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	2000		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8500		360	2500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620MBS01		SDG No.:	Q2363
Lab Sample ID:	VN0620MBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087138.D	1		06/20/25 14:48	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1700		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2000		92.0	500	ug/Kg
591-78-6	2-Hexanone	7200		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1600		110	500	ug/Kg
108-90-7	Chlorobenzene	1800		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1600		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3400		120	1000	ug/Kg
95-47-6	o-Xylene	1800		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1800		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1700		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1700		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1600		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1500		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.1		70 (63) - 130 (155)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	53.0		70 (74) - 130 (123)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (17) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	8.23			
540-36-3	1,4-Difluorobenzene	277000	9.106			
3114-55-4	Chlorobenzene-d5	262000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620MBS01		SDG No.:	Q2363
Lab Sample ID:	VN0620MBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087138.D	1		06/20/25 14:48	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620WBS01		SDG No.:	Q2363
Lab Sample ID:	VN0620WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087125.D	1		06/20/25 10:06	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.6		0.22	1.00	ug/L
74-87-3	Chloromethane	15.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	19.3		1.40	5.00	ug/L
75-00-3	Chloroethane	18.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.23	1.00	ug/L
67-64-1	Acetone	74.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.9		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	13.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.0		1.50	5.00	ug/L
78-93-3	2-Butanone	73.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	15.4		0.22	1.00	ug/L
67-66-3	Chloroform	17.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	15.5		0.16	1.00	ug/L
71-43-2	Benzene	18.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	81.6		0.68	5.00	ug/L
108-88-3	Toluene	18.5		0.14	1.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620WBS01		SDG No.:	Q2363
Lab Sample ID:	VN0620WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087125.D	1		06/20/25 10:06	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	71.9		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.2		0.24	2.00	ug/L
95-47-6	o-Xylene	18.0		0.12	1.00	ug/L
100-42-5	Styrene	18.0		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.1		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.6		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	14.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.7		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.4		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.229			
540-36-3	1,4-Difluorobenzene	309000	9.106			
3114-55-4	Chlorobenzene-d5	276000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VN0620WBS01		SDG No.:	Q2363
Lab Sample ID:	VN0620WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087125.D	1		06/20/25 10:06	VN062025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0619WBS01	SDG No.:	Q2363
Lab Sample ID:	VX0619WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046762.D	1		06/19/25 11:24	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.22	1.00	ug/L
74-87-3	Chloromethane	18.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
74-83-9	Bromomethane	21.2		1.40	5.00	ug/L
75-00-3	Chloroethane	19.9		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	1.00	ug/L
67-64-1	Acetone	74.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.1		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.50	5.00	ug/L
78-93-3	2-Butanone	78.9		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.8		0.22	1.00	ug/L
67-66-3	Chloroform	19.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	18.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	81.6		0.68	5.00	ug/L
108-88-3	Toluene	19.0		0.14	1.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0619WBS01		SDG No.:	Q2363
Lab Sample ID:	VX0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046762.D	1		06/19/25 11:24	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.0		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.2		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	78.9		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	2.00	ug/L
95-47-6	o-Xylene	18.6		0.12	1.00	ug/L
100-42-5	Styrene	18.3		0.15	1.00	ug/L
75-25-2	Bromoform	16.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.1		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	52.3		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	5.562			
540-36-3	1,4-Difluorobenzene	227000	6.769			
3114-55-4	Chlorobenzene-d5	207000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	105000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0619WBS01		SDG No.:	Q2363
Lab Sample ID:	VX0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046762.D	1		06/19/25 11:24	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	VY0624SBS01			SDG No.:	Q2363
Lab Sample ID:	VY0624SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022787.D	1		06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	19.8		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	VY0624SBS01			SDG No.:	Q2363
Lab Sample ID:	VY0624SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022787.D	1		06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	456000	7.701			
540-36-3	1,4-Difluorobenzene	766000	8.61			
3114-55-4	Chlorobenzene-d5	658000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	312000	13.34			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VY0624SBS01		SDG No.:	Q2363
Lab Sample ID:	VY0624SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022787.D	1		06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0619WBSD01	SDG No.:	Q2363
Lab Sample ID:	VX0619WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046763.D	1		06/19/25 11:51	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.8		0.22	1.00	ug/L
74-87-3	Chloromethane	19.5		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.7		0.26	1.00	ug/L
74-83-9	Bromomethane	22.2		1.40	5.00	ug/L
75-00-3	Chloroethane	20.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.3		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	1.00	ug/L
67-64-1	Acetone	81.5		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.50	5.00	ug/L
78-93-3	2-Butanone	87.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.1		0.22	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.16	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.8		0.68	5.00	ug/L
108-88-3	Toluene	20.3		0.14	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0619WBSD01	SDG No.:	Q2363
Lab Sample ID:	VX0619WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046763.D	1		06/19/25 11:51	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		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	20.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	88.8		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
100-42-5	Styrene	19.7		0.15	1.00	ug/L
75-25-2	Bromoform	18.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.4		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	17.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.2		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	52.7		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	120000	5.562			
540-36-3	1,4-Difluorobenzene	199000	6.763			
3114-55-4	Chlorobenzene-d5	184000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	94900	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0619WBSD01		SDG No.:	Q2363
Lab Sample ID:	VX0619WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046763.D	1		06/19/25 11:51	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2363
Lab Sample ID:	VY0624SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022788.D	1		06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	94.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	17.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2363
Lab Sample ID:	VY0624SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022788.D	1		06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		70 (17) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	455000	7.707			
540-36-3	1,4-Difluorobenzene	752000	8.609			
3114-55-4	Chlorobenzene-d5	644000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	304000	13.34			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VY0624SBSD01		SDG No.:	Q2363
Lab Sample ID:	VY0624SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022788.D	1		06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID:								
RRF001 = VN086862.D			RRF005 = VN086863.D			RRF020 = VN086864.D		
RRF050 = VN086865.D			RRF100 = VN086866.D			RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID:	RRF001 = VN086862.D	RRF005 = VN086863.D	RRF020 = VN086864.D	RRF050 = VN086865.D	RRF100 = VN086866.D	RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID:	RRF005 = VX046718.D			RRF020 = VX046719.D		RRF050 = VX046720.D		RRF100 = VX046721.D		RRF150 = VX046722.D		RRF001 = VX046725.D	
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD					
Dichlorodifluoromethane	0.464	0.507	0.583	0.627	0.598	0.425	0.534	15.1					
Chloromethane	0.541	0.570	0.593	0.641	0.627	0.485	0.576	10					
Vinyl Chloride	0.569	0.632	0.634	0.687	0.644	0.521	0.614	9.7					
Bromomethane	0.371	0.367	0.369	0.341	0.280		0.346	11.1					
Chloroethane	0.350	0.388	0.377	0.405	0.381	0.332	0.372	7.1					
Trichlorofluoromethane	0.897	0.974	0.967	1.030	0.972	0.757	0.933	10.3					
1,1,2-Trichlorotrifluoroethane	0.563	0.608	0.576	0.623	0.594	0.470	0.572	9.6					
1,1-Dichloroethene	0.527	0.574	0.569	0.609	0.583	0.451	0.552	10.2					
Acetone	0.219	0.222	0.220	0.238	0.234	0.251	0.231	5.6					
Carbon Disulfide	1.503	1.644	1.599	1.735	1.656	1.869	1.668	7.5					
Methyl tert-butyl Ether	1.628	1.803	1.752	1.898	1.808	1.427	1.720	9.8					
Methyl Acetate	0.577	0.590	0.581	0.650	0.647	0.470	0.586	11.2					
Methylene Chloride	0.655	0.655	0.610	0.666	0.624	0.637	0.641	3.3					
trans-1,2-Dichloroethene	0.569	0.627	0.589	0.637	0.595	0.529	0.591	6.7					
1,1-Dichloroethane	1.054	1.153	1.088	1.170	1.114	0.972	1.092	6.6					
Cyclohexane	0.983	1.086	1.013	1.074	1.021		1.036	4.2					
2-Butanone	0.319	0.325	0.338	0.371	0.353	0.251	0.326	12.7					
Carbon Tetrachloride	0.509	0.537	0.515	0.548	0.531	0.470	0.518	5.4					
cis-1,2-Dichloroethene	0.681	0.731	0.686	0.741	0.704	0.623	0.694	6.1					
Bromochloromethane	0.527	0.459	0.485	0.519	0.500	0.480	0.495	5.2					
Chloroform	1.102	1.190	1.114	1.181	1.109	0.857	1.092	11.1					
1,1,1-Trichloroethane	0.931	1.012	0.956	1.046	0.990	0.812	0.958	8.6					
Methylcyclohexane	0.631	0.642	0.629	0.672	0.647	0.550	0.628	6.6					
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2					
1,2-Dichloroethane	0.508	0.523	0.495	0.528	0.497	0.429	0.497	7.2					
Trichloroethene	0.355	0.374	0.356	0.389	0.366	0.320	0.360	6.5					
1,2-Dichloropropane	0.347	0.372	0.346	0.374	0.357	0.305	0.350	7.2					
Bromodichloromethane	0.510	0.545	0.522	0.562	0.540	0.404	0.514	11.1					
4-Methyl-2-Pentanone	0.408	0.414	0.426	0.460	0.439	0.322	0.411	11.6					
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4					

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363
Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025
Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18
GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX046718.D		RRF020 = VX046719.D		RRF050 = VX046720.D			
		RRF100 = VX046721.D		RRF150 = VX046722.D		RRF001 = VX046725.D			
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD	
t-1,3-Dichloropropene	0.438	0.484	0.488	0.555	0.540	0.355	0.477	15.3	
cis-1,3-Dichloropropene	0.516	0.555	0.548	0.603	0.589	0.436	0.541	11.1	
1,1,2-Trichloroethane	0.330	0.341	0.326	0.347	0.329	0.287	0.327	6.4	
2-Hexanone	0.285	0.285	0.297	0.320	0.305	0.214	0.284	13	
Dibromochloromethane	0.380	0.402	0.388	0.419	0.402	0.318	0.385	9.3	
1,2-Dibromoethane	0.333	0.348	0.335	0.363	0.346	0.267	0.332	10.1	
Tetrachloroethene	0.345	0.353	0.340	0.360	0.339	0.341	0.346	2.4	
Chlorobenzene	1.114	1.148	1.091	1.165	1.100	1.005	1.104	5.1	
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7	
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7	
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1	
Styrene	1.144	1.256	1.208	1.267	1.203	0.993	1.179	8.6	
Bromoform	0.268	0.295	0.287	0.315	0.304	0.226	0.282	11.3	
Isopropylbenzene	3.593	3.914	3.723	4.004	3.814	3.048	3.682	9.3	
1,1,2,2-Tetrachloroethane	1.037	1.075	1.044	1.124	1.074	0.816	1.028	10.6	
1,3-Dichlorobenzene	1.703	1.787	1.678	1.786	1.719	1.694	1.728	2.7	
1,4-Dichlorobenzene	1.743	1.830	1.653	1.789	1.702	1.932	1.775	5.6	
1,2-Dichlorobenzene	1.604	1.701	1.592	1.703	1.628	1.460	1.615	5.5	
1,2-Dibromo-3-Chloropropane	0.196	0.205	0.211	0.235	0.237	0.134	0.203	18.6	
1,2,4-Trichlorobenzene	1.040	1.138	1.127	1.253	1.160	1.170	1.148	6	
1,2,3-Trichlorobenzene	1.062	1.129	1.082	1.207	1.153	0.957	1.098	7.9	
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7	
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9	
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7	
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3	

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2363</u>
Instrument ID:	<u>MSVOA_Y</u>	SAS No.:	<u>Q2363</u>
Heated Purge: (Y/N)	<u>Y</u>	SDG No.:	<u>Q2363</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>06/23/2025</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>13:38</u>
			<u>15:31</u>

LAB FILE ID:								
RRF005 = VY022776.D			RRF010 = VY022777.D			RRF020 = VY022778.D		
RRF050 = VY022779.D			RRF100 = VY022780.D			RRF150 = VY022781.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

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

LAB FILE ID:		RRF005 = VY022776.D		RRF010 = VY022777.D		RRF020 = VY022778.D		
		RRF050 = VY022779.D		RRF100 = VY022780.D		RRF150 = VY022781.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_N Calibration Date/Time: 06/20/2025 08:51

Lab File ID: VN087122.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.562		12.63	20
Chloromethane	0.644	0.569	0.1	-11.65	20
Vinyl Chloride	0.664	0.755		13.7	20
Bromomethane	0.372	0.413		11.02	20
Chloroethane	0.429	0.470		9.56	20
Trichlorofluoromethane	0.868	0.973		12.1	20
1,1,2-Trichlorotrifluoroethane	0.545	0.618		13.39	20
1,1-Dichloroethene	0.557	0.621		11.49	20
Acetone	0.355	0.401		12.96	20
Carbon Disulfide	1.539	1.736		12.8	20
Methyl tert-butyl Ether	2.015	2.100		4.22	20
Methyl Acetate	1.035	0.888		-14.2	20
Methylene Chloride	0.665	0.682		2.56	20
trans-1,2-Dichloroethene	0.619	0.660		6.62	20
1,1-Dichloroethane	1.120	1.192	0.1	6.43	20
Cyclohexane	1.086	1.038		-4.42	20
2-Butanone	0.577	0.503		-12.82	20
Carbon Tetrachloride	0.433	0.485		12.01	20
cis-1,2-Dichloroethene	0.740	0.789		6.62	20
Bromochloromethane	0.550	0.505		-8.18	20
Chloroform	1.118	1.161		3.85	20
1,1,1-Trichloroethane	0.951	0.998		4.94	20
Methylcyclohexane	0.605	0.596		-1.49	20
Benzene	1.444	1.560		8.03	20
1,2-Dichloroethane	0.438	0.468		6.85	20
Trichloroethene	0.342	0.380		11.11	20
1,2-Dichloropropane	0.351	0.381		8.55	20
Bromodichloromethane	0.480	0.522		8.75	20
4-Methyl-2-Pentanone	0.543	0.523		-3.68	20
Toluene	0.882	0.968		9.75	20
t-1,3-Dichloropropene	0.537	0.595		10.8	20
cis-1,3-Dichloropropene	0.574	0.641		11.67	20
1,1,2-Trichloroethane	0.340	0.365		7.35	20
2-Hexanone	0.350	0.345		-1.43	20
Dibromochloromethane	0.354	0.396		11.86	20
1,2-Dibromoethane	0.348	0.374		7.47	20
Tetrachloroethene	0.316	0.347		9.81	20
Chlorobenzene	1.103	1.217	0.3	10.34	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_N Calibration Date/Time: 06/20/2025 08:51

Lab File ID: VN087122.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.054		8.1	20
m/p-Xylenes	0.727	0.830		14.17	20
o-Xylene	0.696	0.787		13.07	20
Styrene	1.192	1.339		12.33	20
Bromoform	0.263	0.304	0.1	15.59	20
Isopropylbenzene	3.643	3.919		7.58	20
1,1,2,2-Tetrachloroethane	1.234	1.287	0.3	4.3	20
1,3-Dichlorobenzene	1.644	1.796		9.25	20
1,4-Dichlorobenzene	1.676	1.831		9.25	20
1,2-Dichlorobenzene	1.579	1.693		7.22	20
1,2-Dibromo-3-Chloropropane	0.295	0.273		-7.46	20
1,2,4-Trichlorobenzene	1.008	0.932		-7.54	20
1,2,3-Trichlorobenzene	1.002	0.905		-9.68	20
1,2-Dichloroethane-d4	0.669	0.665		-0.6	20
Dibromofluoromethane	0.296	0.333		12.5	20
Toluene-d8	1.173	1.216		3.67	20
4-Bromofluorobenzene	0.436	0.458		5.05	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 09:43

Lab File ID: VX046758.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.565		5.8	20
Chloromethane	0.576	0.595	0.1	3.3	20
Vinyl Chloride	0.614	0.641		4.4	20
Bromomethane	0.346	0.384		10.98	20
Chloroethane	0.372	0.387		4.03	20
Trichlorofluoromethane	0.933	0.957		2.57	20
1,1,2-Trichlorotrifluoroethane	0.572	0.592		3.5	20
1,1-Dichloroethene	0.552	0.572		3.62	20
Acetone	0.231	0.185		-19.91	20
Carbon Disulfide	1.668	1.595		-4.38	20
Methyl tert-butyl Ether	1.720	1.569		-8.78	20
Methyl Acetate	0.586	0.480		-18.09	20
Methylene Chloride	0.641	0.618		-3.59	20
trans-1,2-Dichloroethene	0.591	0.587		-0.68	20
1,1-Dichloroethane	1.092	1.081	0.1	-1.01	20
Cyclohexane	1.036	1.018		-1.74	20
2-Butanone	0.326	0.263		-19.33	20
Carbon Tetrachloride	0.518	0.515		-0.58	20
cis-1,2-Dichloroethene	0.694	0.686		-1.15	20
Bromochloromethane	0.495	0.476		-3.84	20
Chloroform	1.092	1.093		0.09	20
1,1,1-Trichloroethane	0.958	0.939		-1.98	20
Methylcyclohexane	0.628	0.627		-0.32	20
Benzene	1.413	1.415		0.14	20
1,2-Dichloroethane	0.497	0.481		-3.22	20
Trichloroethene	0.360	0.357		-0.83	20
1,2-Dichloropropane	0.350	0.353		0.86	20
Bromodichloromethane	0.514	0.521		1.36	20
4-Methyl-2-Pentanone	0.411	0.339		-17.52	20
Toluene	0.876	0.877		0.11	20
t-1,3-Dichloropropene	0.477	0.481		0.84	20
cis-1,3-Dichloropropene	0.541	0.545		0.74	20
1,1,2-Trichloroethane	0.327	0.311		-4.89	20
2-Hexanone	0.284	0.229		-19.37	20
Dibromochloromethane	0.385	0.377		-2.08	20
1,2-Dibromoethane	0.332	0.317		-4.52	20
Tetrachloroethene	0.346	0.344		-0.58	20
Chlorobenzene	1.104	1.089	0.3	-1.36	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 09:43

Lab File ID: VX046758.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.918		-0.57	20
m/p-Xylenes	0.719	0.724		0.69	20
o-Xylene	0.673	0.687		2.08	20
Styrene	1.179	1.192		1.1	20
Bromoform	0.282	0.263	0.1	-6.74	20
Isopropylbenzene	3.682	3.747		1.76	20
1,1,2,2-Tetrachloroethane	1.028	0.933	0.3	-9.24	20
1,3-Dichlorobenzene	1.728	1.670		-3.36	20
1,4-Dichlorobenzene	1.775	1.693		-4.62	20
1,2-Dichlorobenzene	1.615	1.598		-1.05	20
1,2-Dibromo-3-Chloropropane	0.203	0.164		-19.21	20
1,2,4-Trichlorobenzene	1.148	1.111		-3.22	20
1,2,3-Trichlorobenzene	1.098	1.064		-3.1	20
1,2-Dichloroethane-d4	0.692	0.639		-7.66	20
Dibromofluoromethane	0.331	0.327		-1.21	20
Toluene-d8	1.189	1.166		-1.93	20
4-Bromofluorobenzene	0.443	0.433		-2.26	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_Y Calibration Date/Time: 06/24/2025 09:20

Lab File ID: VY022785.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.390		-8.88	20
Chloromethane	0.816	0.733	0.1	-10.17	20
Vinyl Chloride	1.020	0.931		-8.73	20
Bromomethane	0.802	0.695		-13.34	20
Chloroethane	0.686	0.626		-8.75	20
Trichlorofluoromethane	1.129	1.023		-9.39	20
1,1,2-Trichlorotrifluoroethane	0.516	0.503		-2.52	20
1,1-Dichloroethene	0.506	0.489		-3.36	20
Acetone	0.105	0.124		18.09	20
Carbon Disulfide	1.635	1.605		-1.84	20
Methyl tert-butyl Ether	1.378	1.347		-2.25	20
Methyl Acetate	0.349	0.296		-15.19	20
Methylene Chloride	0.666	0.577		-13.36	20
trans-1,2-Dichloroethene	0.578	0.559		-3.29	20
1,1-Dichloroethane	1.044	1.022	0.1	-2.11	20
Cyclohexane	0.959	0.899		-6.26	20
2-Butanone	0.154	0.159		3.25	20
Carbon Tetrachloride	0.486	0.484		-0.41	20
cis-1,2-Dichloroethene	0.672	0.652		-2.98	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.076	1.045		-2.79	20
1,1,1-Trichloroethane	0.929	0.904		-2.69	20
Methylcyclohexane	0.596	0.602		1.01	20
Benzene	1.417	1.410		-0.49	20
1,2-Dichloroethane	0.388	0.391		0.77	20
Trichloroethene	0.356	0.347		-2.53	20
1,2-Dichloropropane	0.332	0.331		-0.3	20
Bromodichloromethane	0.485	0.484		-0.21	20
4-Methyl-2-Pentanone	0.210	0.214		1.9	20
Toluene	0.894	0.889		-0.56	20
t-1,3-Dichloropropene	0.437	0.441		0.92	20
cis-1,3-Dichloropropene	0.506	0.512		1.19	20
1,1,2-Trichloroethane	0.244	0.245		0.41	20
2-Hexanone	0.143	0.150		4.89	20
Dibromochloromethane	0.315	0.315		0	20
1,2-Dibromoethane	0.228	0.226		-0.88	20
Tetrachloroethene	0.472	0.441		-6.57	20
Chlorobenzene	1.099	1.101	0.3	0.18	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Instrument ID: MSVOA_Y Calibration Date/Time: 06/24/2025 09:20

Lab File ID: VY022785.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	1.991		3.16	20
m/p-Xylenes	0.746	0.768		2.95	20
o-Xylene	0.703	0.719		2.28	20
Styrene	1.178	1.214		3.06	20
Bromoform	0.207	0.204	0.1	-1.45	20
Isopropylbenzene	3.698	3.705		0.19	20
1,1,2,2-Tetrachloroethane	0.596	0.613	0.3	2.85	20
1,3-Dichlorobenzene	1.683	1.685		0.12	20
1,4-Dichlorobenzene	1.672	1.646		-1.55	20
1,2-Dichlorobenzene	1.483	1.446		-2.49	20
1,2-Dibromo-3-Chloropropane	0.101	0.097		-3.96	20
1,2,4-Trichlorobenzene	0.838	0.807		-3.7	20
1,2,3-Trichlorobenzene	0.724	0.692		-4.42	20
1,2-Dichloroethane-d4	0.558	0.544		-2.51	20
Dibromofluoromethane	0.304	0.310		1.97	20
Toluene-d8	1.207	1.226		1.57	20
4-Bromofluorobenzene	0.388	0.387		-0.26	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022793.D
 Acq On : 24 Jun 2025 13:32
 Operator : SY/MD
 Sample : Q2363-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GCAP1

Quant Time: Jun 25 01:25:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

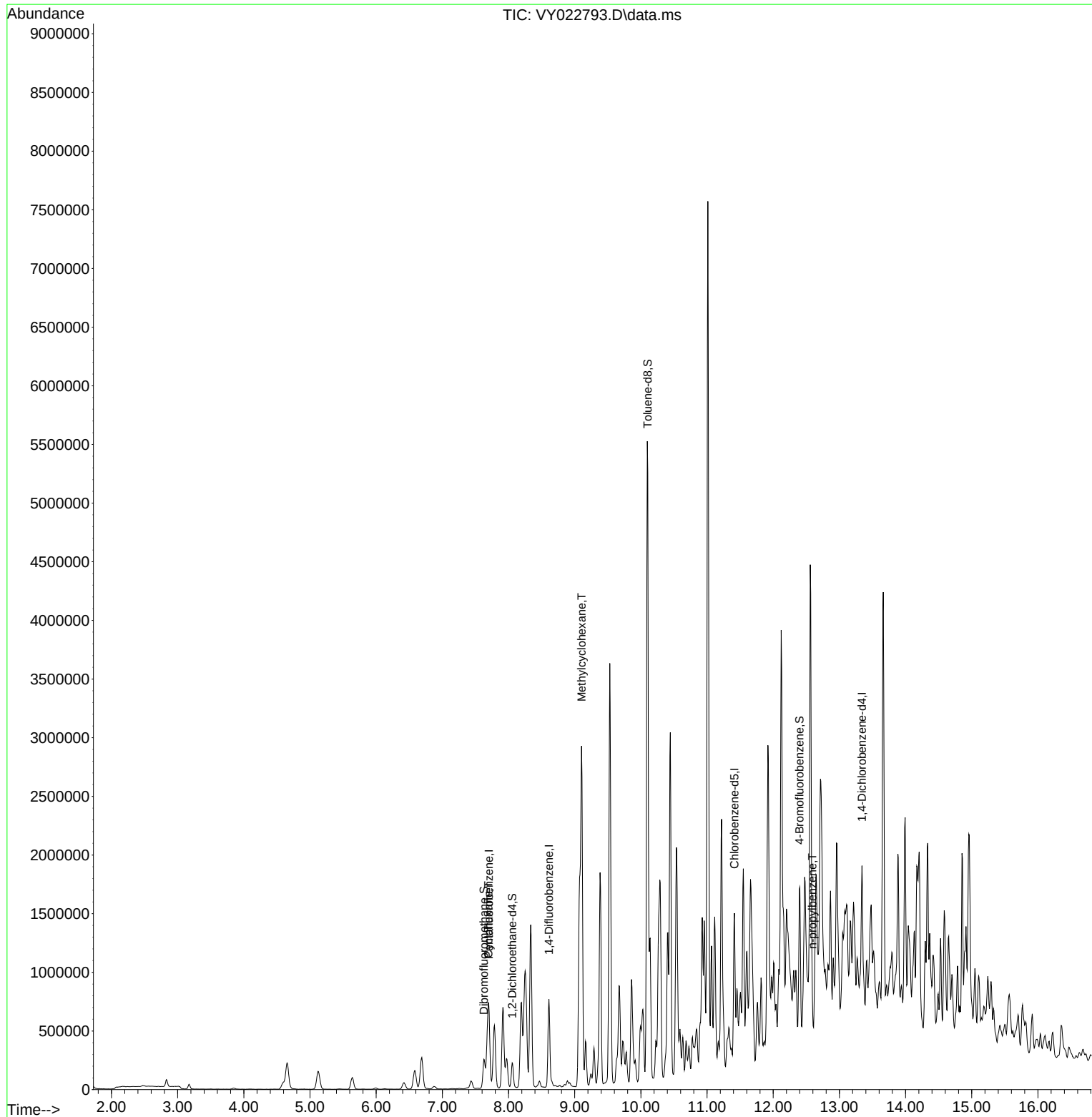
Internal Standards						
1) Pentafluorobenzene	7.701	168	325185	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	571084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	576784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165802	45.683	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.360%
35) Dibromofluoromethane	7.628	113	173360	49.916	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.103	98	896002	65.014	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	130.020%
62) 4-Bromofluorobenzene	12.396	95	365336	82.462	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	164.920%#
Target Compounds						
					Qvalue	
31) Cyclohexane	7.695	56	185350	29.732	ug/l	94
39) Methylcyclohexane	9.103	83	1398906	205.343	ug/l	99
78) n-propylbenzene	12.591	91	106853	3.944	ug/l	93

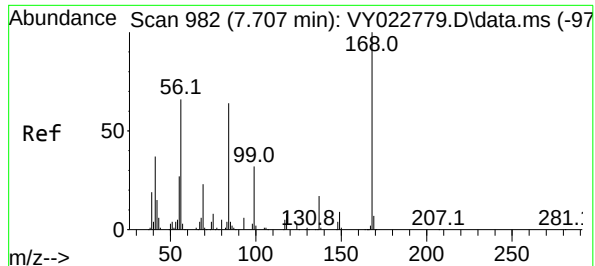
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

Quant Time: Jun 25 01:25:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

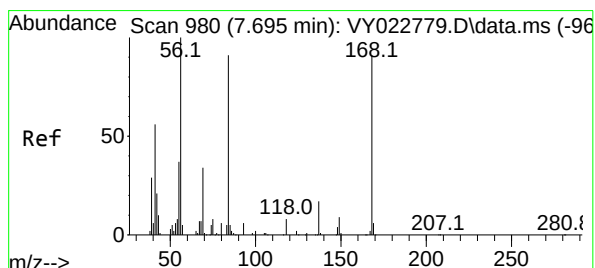
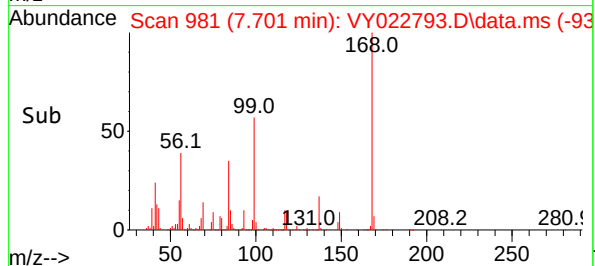
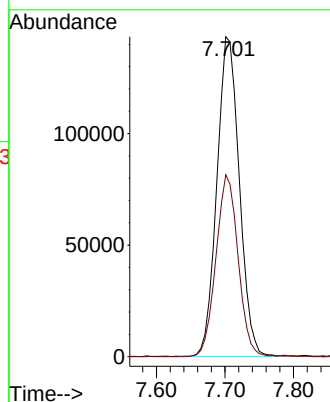
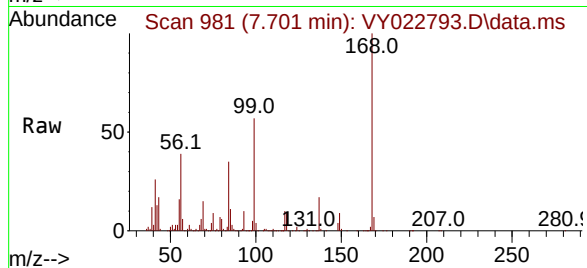




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

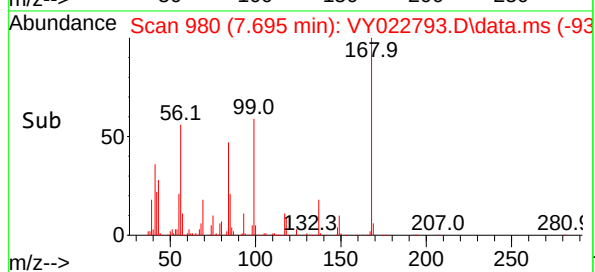
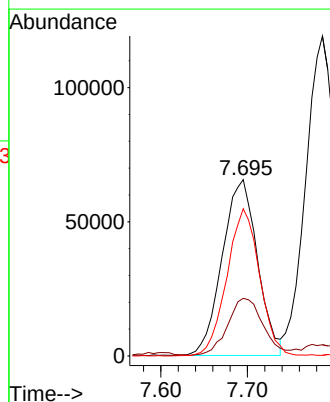
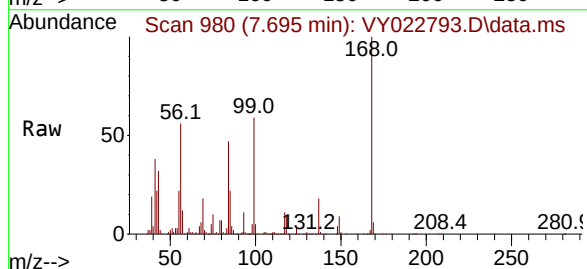
Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

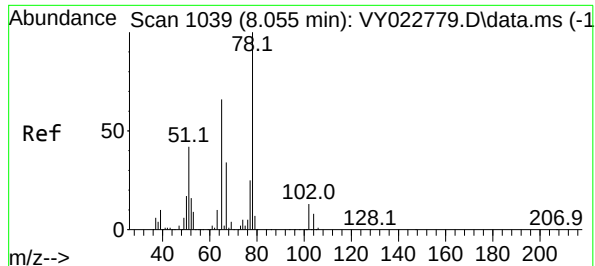
Tgt Ion:168 Resp: 325185
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#31
Cyclohexane
Concen: 29.732 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022793.D
Acq: 24 Jun 2025 13:32

Tgt Ion: 56 Resp: 185350
Ion Ratio Lower Upper
56 100
69 32.0 27.0 40.6
84 83.5 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 45.683 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

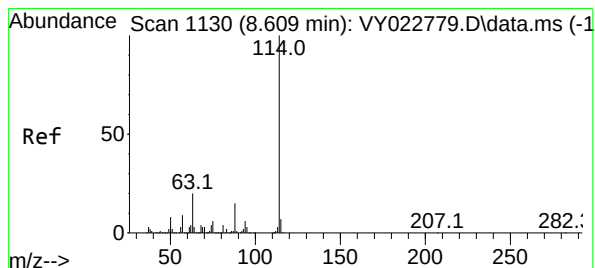
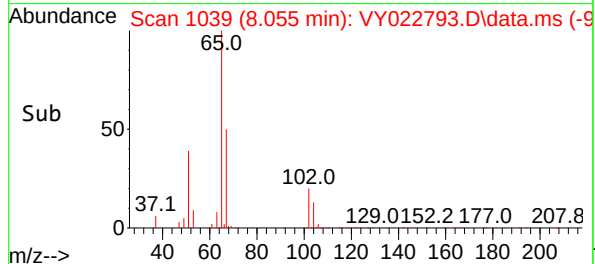
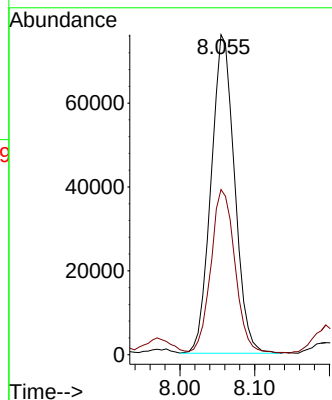
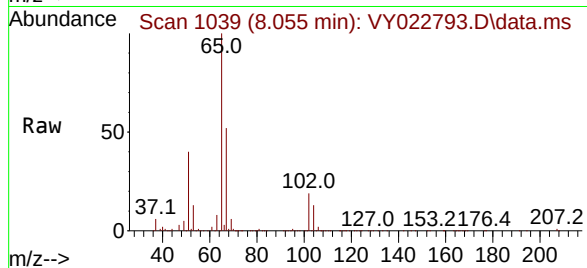
GCAP1

Tgt Ion: 65 Resp: 165802

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

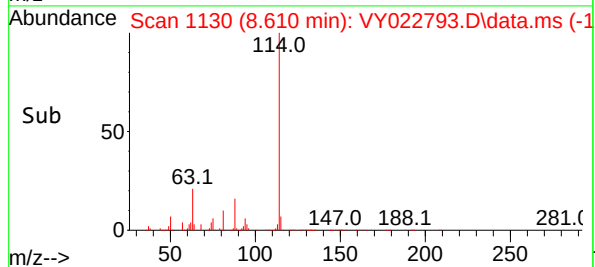
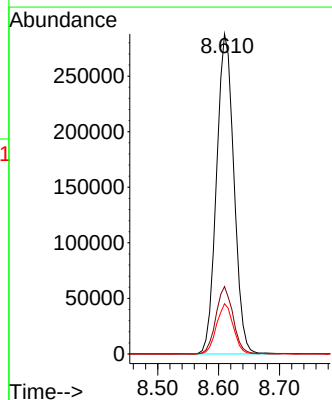
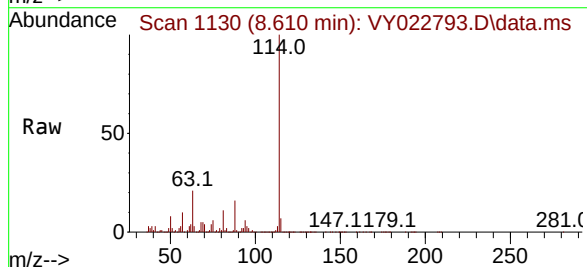
Tgt Ion: 114 Resp: 571084

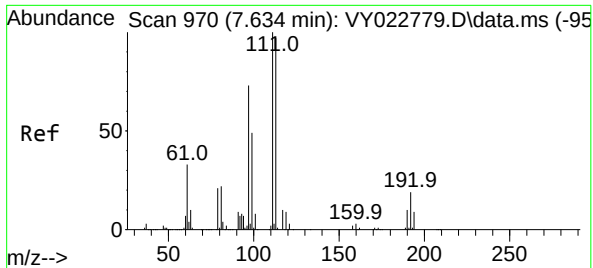
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.7 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.916 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

GCAP1

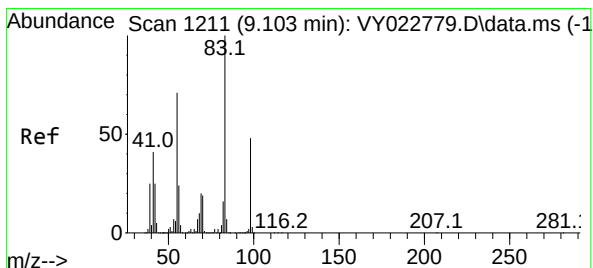
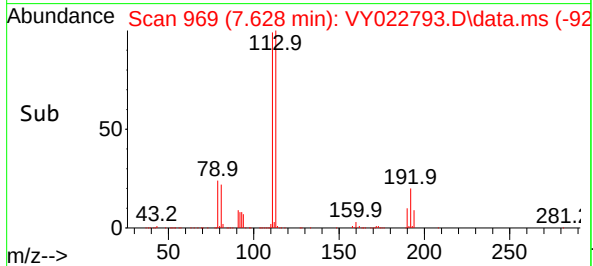
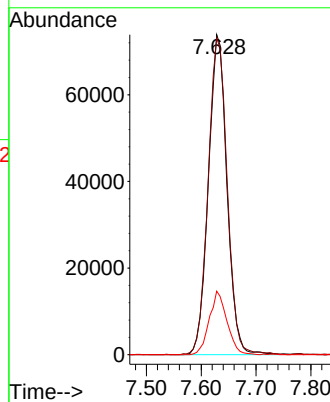
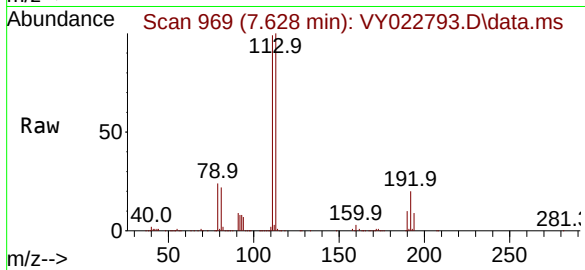
Tgt Ion:113 Resp: 173360

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

192 18.9 14.2 21.2



#39

Methylcyclohexane

Concen: 205.343 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.012 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

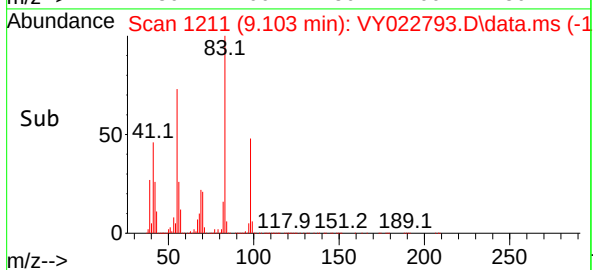
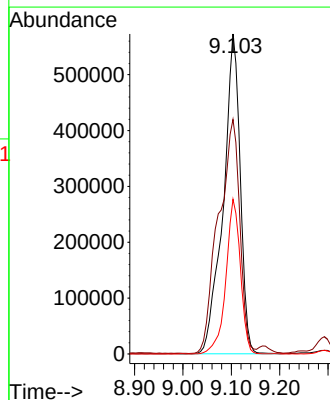
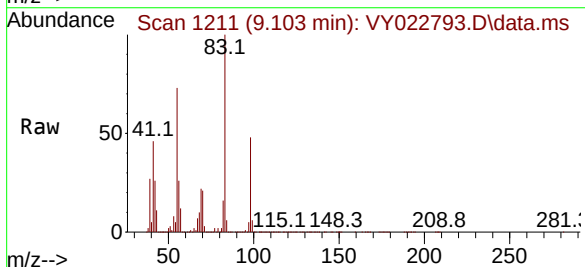
Tgt Ion: 83 Resp: 1398906

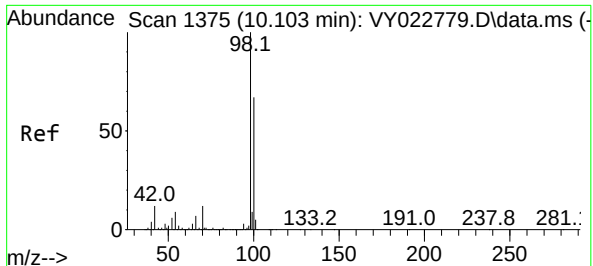
Ion Ratio Lower Upper

83 100

55 73.1 58.1 87.1

98 48.4 39.0 58.6





#50

Toluene-d8

Concen: 65.014 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

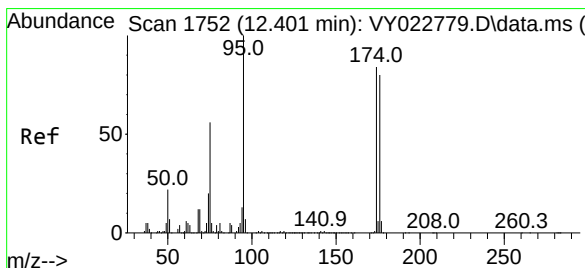
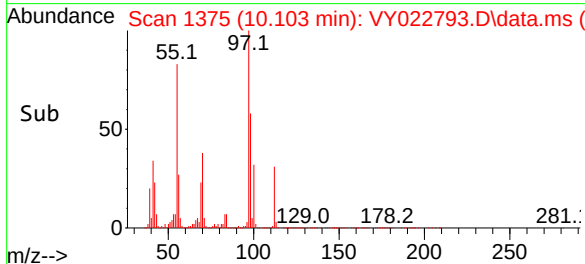
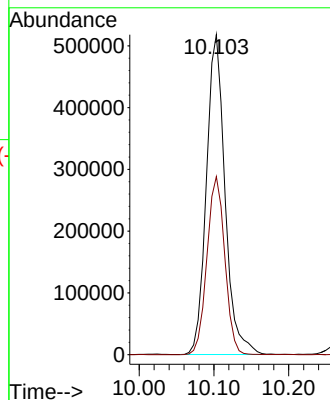
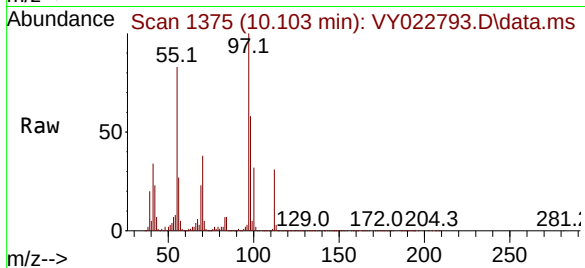
GCAP1

Tgt Ion: 98 Resp: 896002

Ion Ratio Lower Upper

98 100

100 53.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 82.462 ug/l

RT: 12.396 min Scan# 1751

Delta R.T. -0.012 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

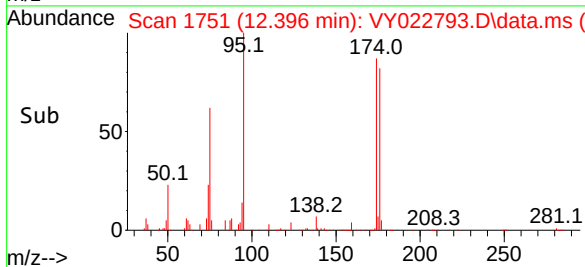
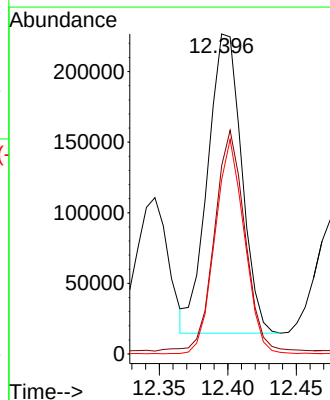
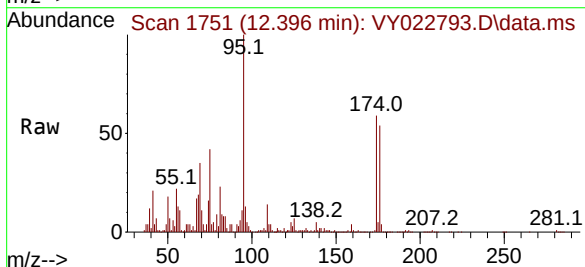
Tgt Ion: 95 Resp: 365336

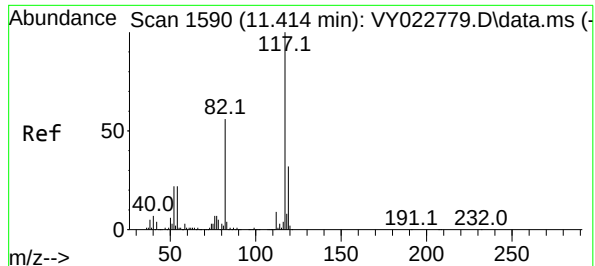
Ion Ratio Lower Upper

95 100

174 65.7 0.0 170.0

176 61.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

GCAP1

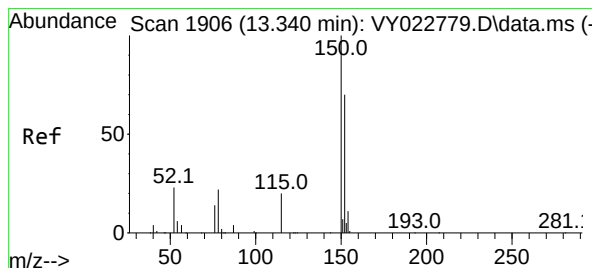
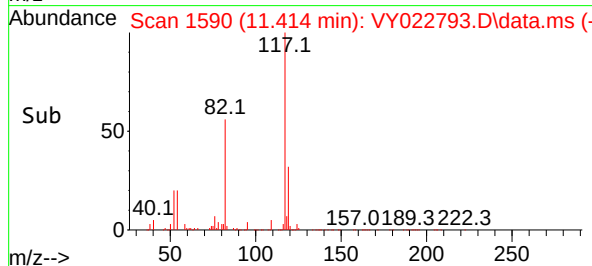
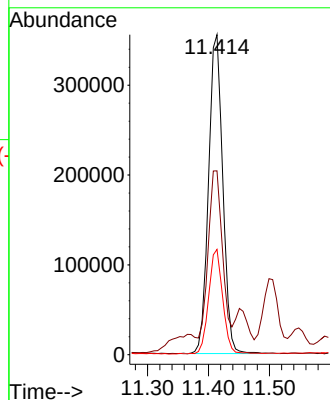
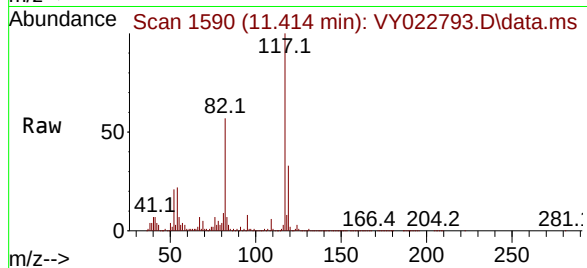
Tgt Ion:117 Resp: 576784

Ion Ratio Lower Upper

117 100

82 52.0 44.6 66.8

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022793.D

Acq: 24 Jun 2025 13:32

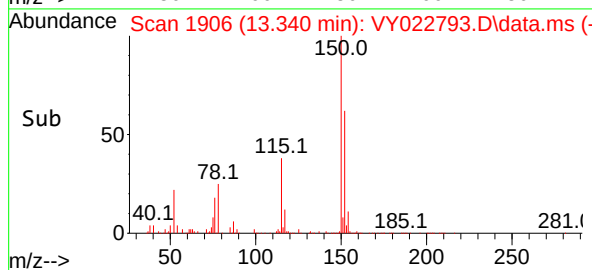
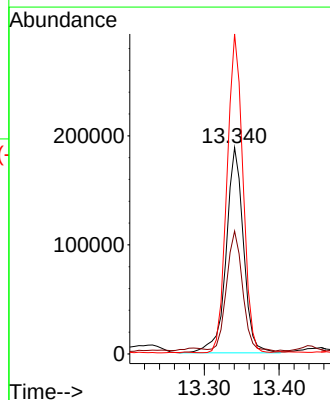
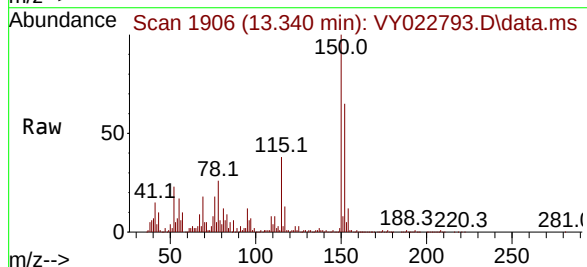
Tgt Ion:152 Resp: 303388

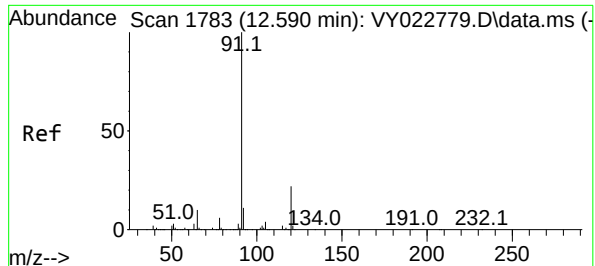
Ion Ratio Lower Upper

152 100

115 55.2 28.9 86.7

150 142.9 0.0 349.6





#78

n-propylbenzene

Concen: 3.944 ug/l

RT: 12.591 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022793.D

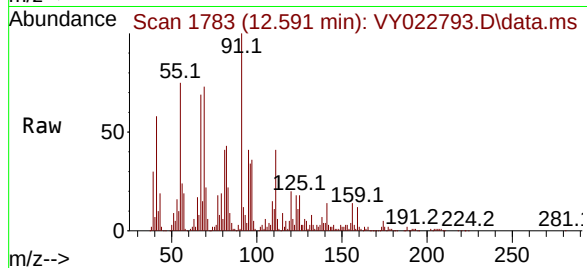
Acq: 24 Jun 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

GCAP1

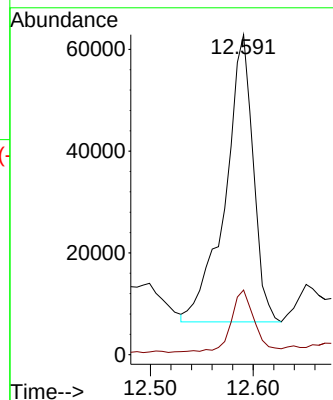
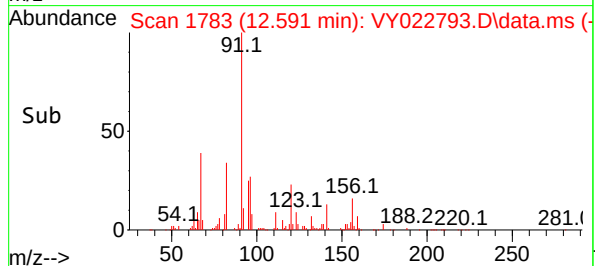


Tgt Ion: 91 Resp: 106853

Ion Ratio Lower Upper

91 100

120 18.4 10.8 32.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022793.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.653	459	481	506	rBV2	223794	943668	7.54%	0.455%
2	5.122	540	558	574	rBV	152570	547648	4.38%	0.264%
3	6.586	784	798	806	rBV	157388	511780	4.09%	0.247%
4	6.689	806	815	827	rVB	264785	789534	6.31%	0.381%
5	7.628	958	969	973	rBV	249098	618382	4.94%	0.298%
6	7.695	973	980	988	rVV5	729272	2180319	17.43%	1.052%
7	7.787	988	995	1007	rVV	535505	1375337	10.99%	0.664%
8	7.915	1007	1016	1022	rVV	687281	1658945	13.26%	0.801%
9	7.969	1022	1025	1033	rVV	249772	547127	4.37%	0.264%
10	8.055	1033	1039	1051	rVV	212134	479415	3.83%	0.231%
11	8.195	1051	1062	1065	rVV2	726422	1732769	13.85%	0.836%
12	8.250	1065	1071	1079	rVV4	992825	3178857	25.41%	1.534%
13	8.335	1079	1085	1097	rVV	1385947	3101602	24.79%	1.497%
14	8.610	1121	1130	1143	rBV	750451	1589774	12.71%	0.767%
15	9.103	1197	1211	1218	rBV2	2904413	8995321	71.90%	4.342%
16	9.164	1218	1221	1228	rVV	376660	653820	5.23%	0.316%
17	9.292	1237	1242	1247	rVV	314793	594837	4.75%	0.287%
18	9.384	1247	1257	1265	rVB	1801629	3668930	29.32%	1.771%
19	9.530	1273	1281	1290	rVB2	3578464	6957793	55.61%	3.358%
20	9.670	1293	1304	1310	rBV2	823840	2201548	17.60%	1.063%
21	9.725	1310	1313	1319	rVV5	253639	533906	4.27%	0.258%
22	9.780	1319	1322	1328	rVB2	257172	437040	3.49%	0.211%
23	9.859	1328	1335	1342	rBV2	874265	2012814	16.09%	0.972%
24	9.994	1350	1357	1359	rBV2	473048	899994	7.19%	0.434%
25	10.030	1359	1363	1368	rVB3	532945	1092644	8.73%	0.527%
26	10.097	1368	1374	1379	rBV2	5375673	9819977	78.49%	4.740%
27	10.225	1389	1395	1397	rBV	317628	489936	3.92%	0.236%
28	10.286	1397	1405	1414	rVB3	1681974	4892242	39.10%	2.361%
29	10.408	1414	1425	1427	rBV	1232930	2527097	20.20%	1.220%
30	10.445	1427	1431	1439	rVB	2915434	4957883	39.63%	2.393%
31	10.536	1439	1446	1452	rBV2	1935163	4178059	33.39%	2.017%
32	10.591	1452	1455	1459	rVV	353239	594055	4.75%	0.287%
33	10.634	1459	1462	1466	rVB2	278506	406413	3.25%	0.196%
34	10.682	1466	1470	1474	rBV	249998	406093	3.25%	0.196%
35	10.780	1481	1486	1489	rBV	271308	492043	3.93%	0.237%
36	10.841	1492	1496	1501	rVV4	308740	632645	5.06%	0.305%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

37	10.926	1501	1510	1513	rVV2	1251065	2770381	22.14%	1.337%
38	10.957	1513	1515	1519	rVV	1212909	1842508	14.73%	0.889%
39	11.012	1519	1524	1530	rVV	7337026	12511401	100.00%	6.039%
40	11.066	1530	1533	1537	rVV3	979894	1602201	12.81%	0.773%
41	11.115	1537	1541	1547	rVV3	1219441	2195627	17.55%	1.060%
42	11.219	1552	1558	1568	rVB	2108881	4306926	34.42%	2.079%
43	11.329	1568	1576	1581	rBV6	332750	1019152	8.15%	0.492%
44	11.414	1585	1590	1593	rBV	1208291	1964902	15.70%	0.948%
45	11.451	1593	1596	1600	rVV	552776	999513	7.99%	0.482%
46	11.505	1600	1605	1607	rVV	512521	1030024	8.23%	0.497%
47	11.548	1607	1612	1616	rVV	1555976	2709968	21.66%	1.308%
48	11.603	1616	1621	1624	rVV4	842722	1704305	13.62%	0.823%
49	11.658	1624	1630	1641	rVB2	1546302	4810043	38.45%	2.322%
50	11.761	1641	1647	1651	rBV4	498499	978119	7.82%	0.472%
51	11.816	1651	1656	1661	rVB	579442	896829	7.17%	0.433%
52	11.920	1666	1673	1680	rBV2	2553133	5649650	45.16%	2.727%
53	11.975	1680	1682	1685	rVV	290616	409685	3.27%	0.198%
54	12.005	1685	1687	1691	rVB2	401607	516618	4.13%	0.249%
55	12.085	1696	1700	1701	rBV2	493288	615075	4.92%	0.297%
56	12.121	1701	1706	1715	rVV2	3132402	6112463	48.86%	2.950%
57	12.200	1715	1719	1733	rVB6	779672	2433711	19.45%	1.175%
58	12.341	1740	1742	1746	rVB3	480693	632030	5.05%	0.305%
59	12.402	1746	1752	1757	rVB2	1190635	1958175	15.65%	0.945%
60	12.475	1757	1764	1773	rBV4	1275761	3712417	29.67%	1.792%
61	12.560	1773	1778	1786	rVB2	3943897	6866184	54.88%	3.314%
62	12.645	1786	1792	1797	rBV5	1303884	3126156	24.99%	1.509%
63	12.713	1799	1803	1813	rVB6	1645159	4097750	32.75%	1.978%
64	12.865	1824	1828	1832	rVB3	924795	1377975	11.01%	0.665%
65	12.908	1832	1835	1838	rBV	354222	468640	3.75%	0.226%
66	12.956	1839	1843	1852	rVB4	1412542	3068950	24.53%	1.481%
67	13.048	1854	1858	1860	rBV2	566868	871406	6.96%	0.421%
68	13.164	1874	1877	1881	rBV4	450596	694319	5.55%	0.335%
69	13.212	1881	1885	1891	rVB5	708702	1480844	11.84%	0.715%
70	13.340	1902	1906	1914	rVB	1184567	2116251	16.91%	1.021%
71	13.414	1914	1918	1921	rBV2	375949	609808	4.87%	0.294%
72	13.481	1923	1929	1932	rBV3	575484	1090284	8.71%	0.526%
73	13.664	1953	1959	1964	rBV2	3461937	5838278	46.66%	2.818%
74	13.883	1991	1995	2001	rVB	1221525	1973322	15.77%	0.952%
75	13.993	2007	2013	2017	rBV3	1580009	2680652	21.43%	1.294%
76	14.042	2017	2021	2029	rVB5	607994	1441175	11.52%	0.696%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022793.D
 Acq On : 24 Jun 2025 13:32
 Operator : SY/MD
 Sample : Q2363-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GCAP1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Title : SW846 8260

77	14.133	2029	2036	2038	rBV2	563531	1035495	8.28%	0.500%
78	14.170	2038	2042	2045	rBV2	954826	1714521	13.70%	0.828%
79	14.298	2058	2063	2065	rBV2	738479	1180202	9.43%	0.570%
80	14.334	2065	2069	2072	rVV2	1571510	2722327	21.76%	1.314%
81	14.365	2072	2074	2079	rVV	799375	1423465	11.38%	0.687%
82	14.420	2080	2083	2089	rVV3	608244	1237930	9.89%	0.598%
83	14.493	2092	2095	2097	rVV2	273560	387090	3.09%	0.187%
84	14.529	2097	2101	2105	rVV2	744499	1135694	9.08%	0.548%
85	14.584	2105	2110	2117	rVV3	978207	2063508	16.49%	0.996%
86	14.651	2117	2121	2126	rVV5	751933	1609514	12.86%	0.777%
87	14.700	2126	2129	2135	rVB3	455584	782441	6.25%	0.378%
88	14.785	2139	2143	2147	rVV3	490238	803226	6.42%	0.388%
89	14.852	2150	2154	2158	rVV	1443934	2237885	17.89%	1.080%
90	14.913	2162	2164	2167	rVV2	816926	1137128	9.09%	0.549%
91	14.956	2167	2171	2181	rVV2	1597939	3735212	29.85%	1.803%
92	15.047	2182	2186	2191	rVB3	460636	742259	5.93%	0.358%
93	15.102	2191	2195	2200	rBV4	396480	762204	6.09%	0.368%
94	15.243	2214	2218	2222	rBV4	298267	497314	3.97%	0.240%
95	15.291	2223	2226	2230	rVB3	325822	479570	3.83%	0.231%
96	15.566	2265	2271	2278	rVB6	333063	888325	7.10%	0.429%
97	15.767	2299	2304	2309	rBV4	340540	826919	6.61%	0.399%
98	15.913	2322	2328	2333	rBV2	307986	600973	4.80%	0.290%
99	16.224	2375	2379	2388	rVB2	214083	460239	3.68%	0.222%
100	16.352	2395	2400	2415	rVB5	274605	835172	6.68%	0.403%

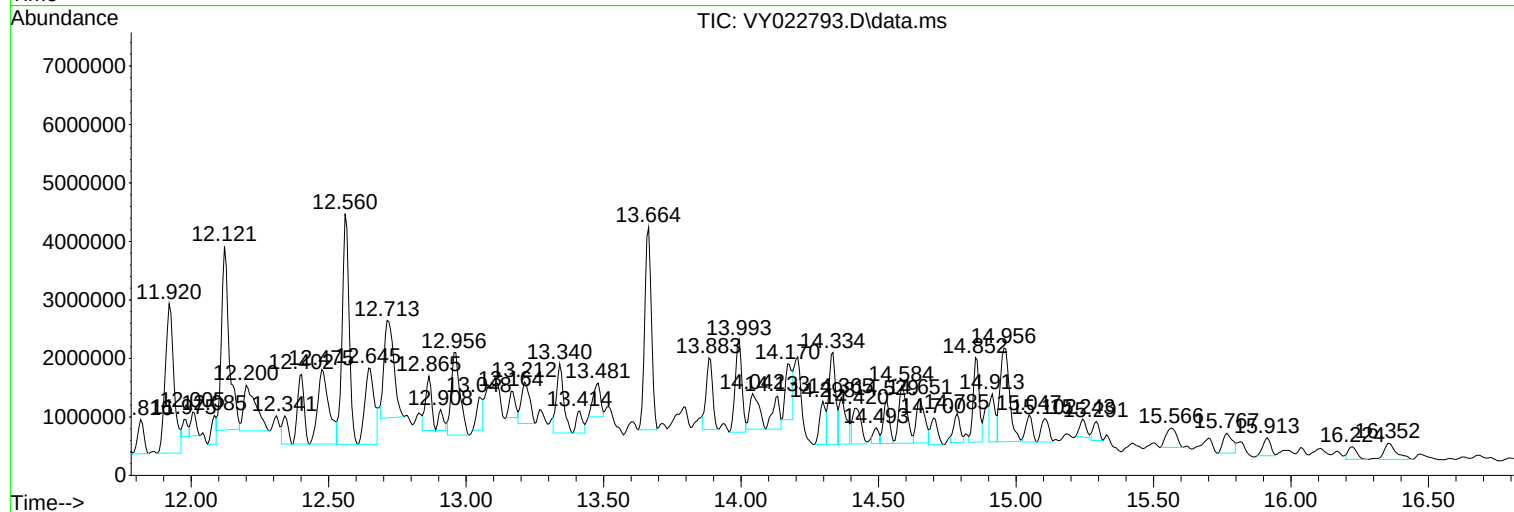
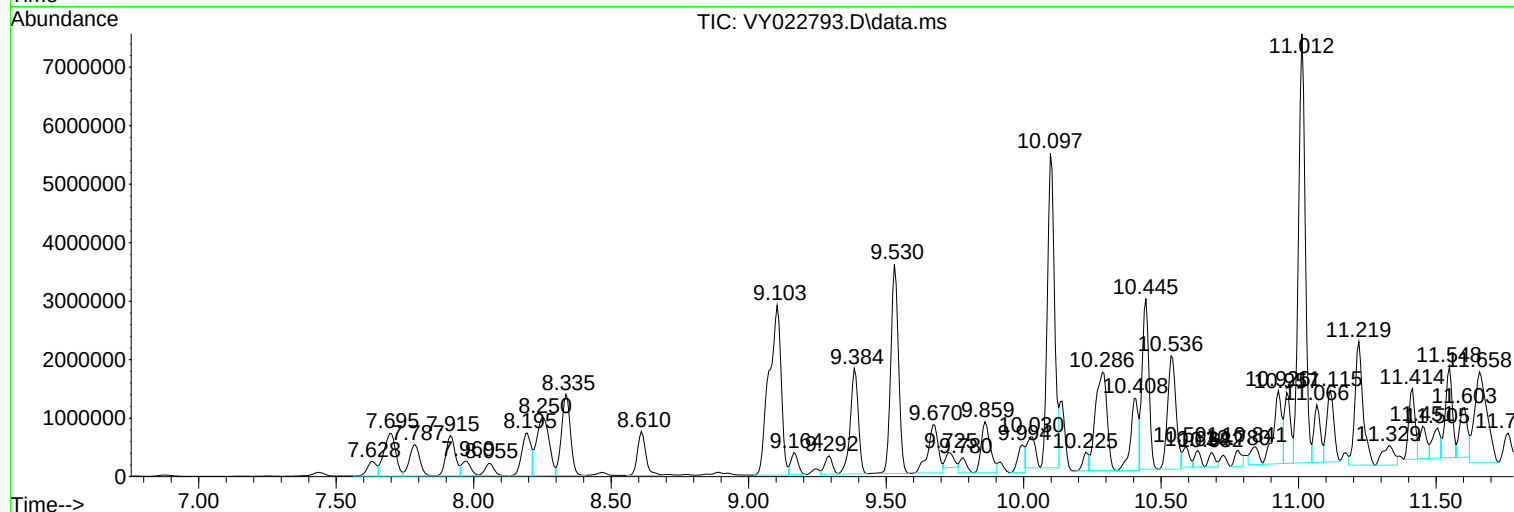
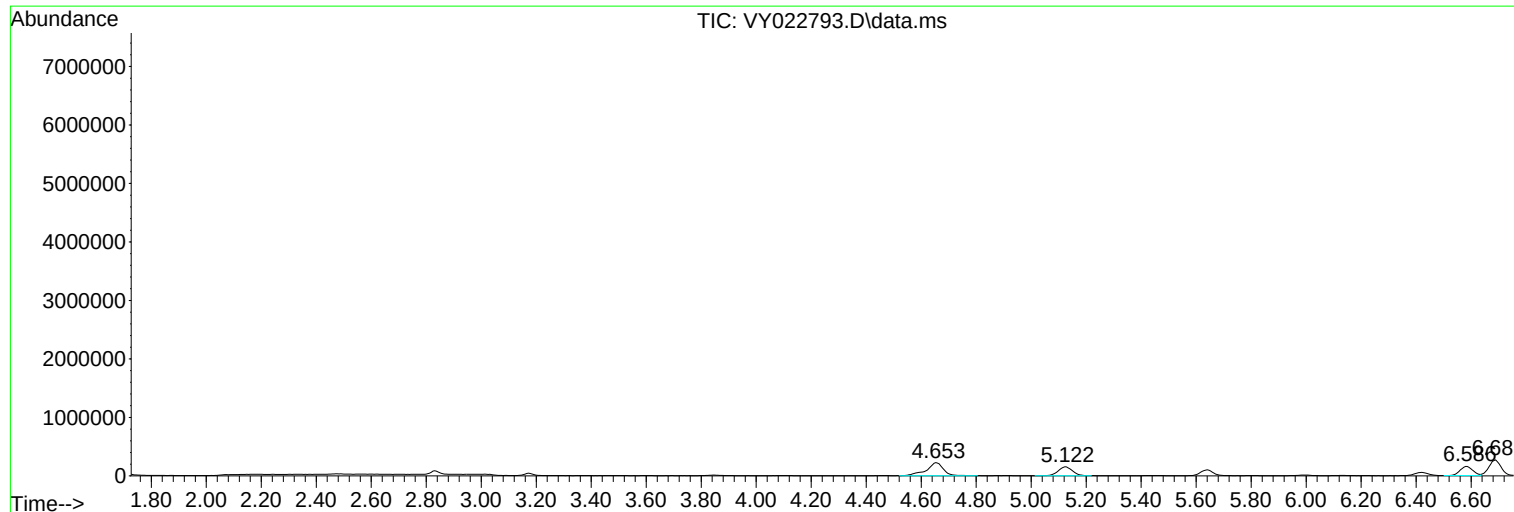
Sum of corrected areas: 207182577

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

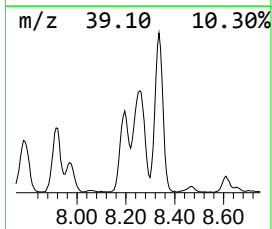
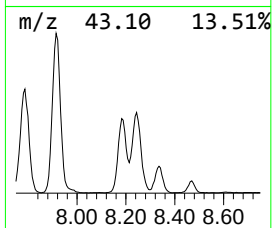
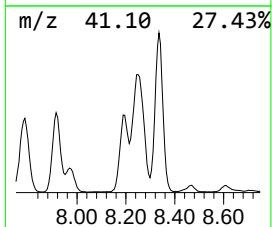
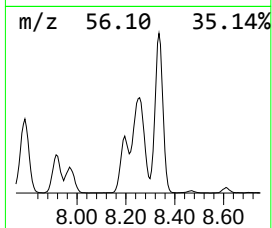
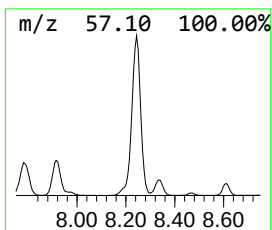
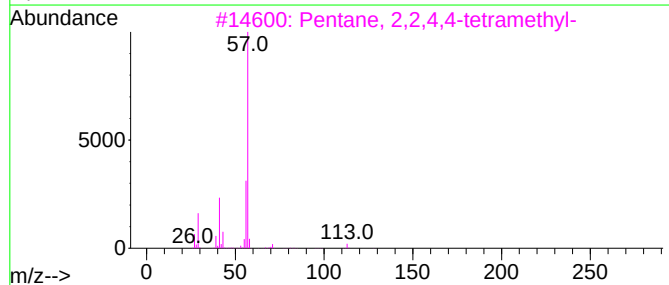
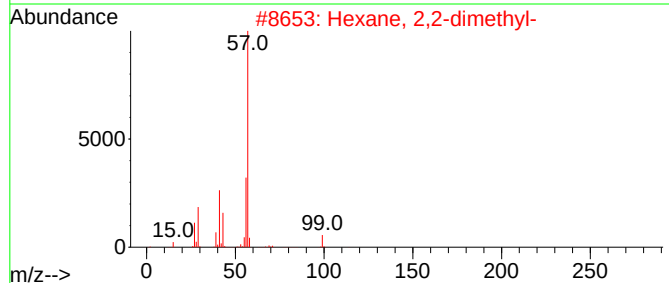
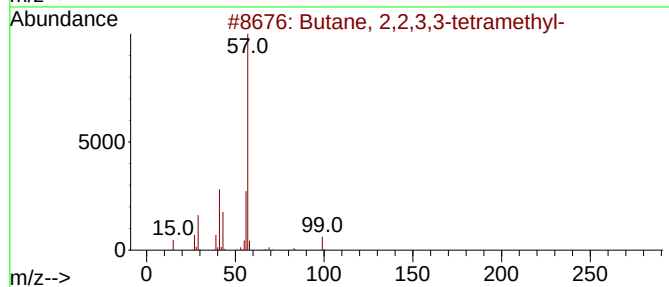
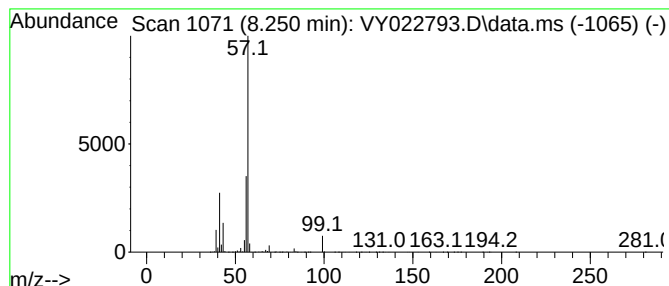
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.250	99.98 ug/l	3178860	1,4-Difluorobenzene	8.610

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
4			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
5			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

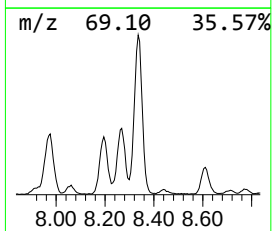
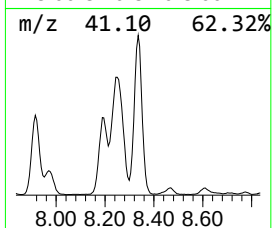
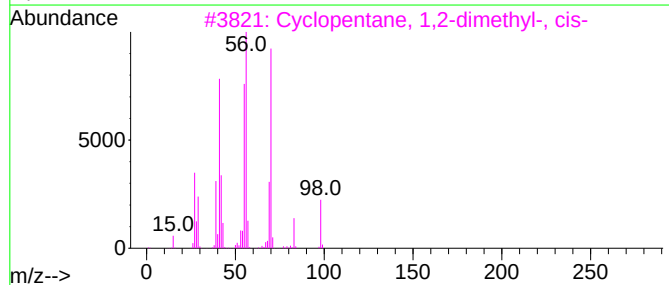
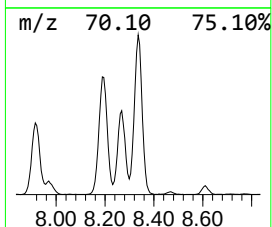
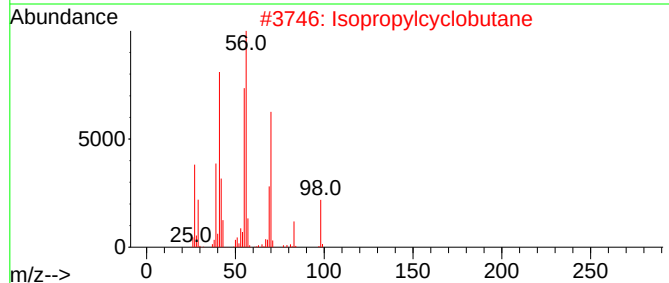
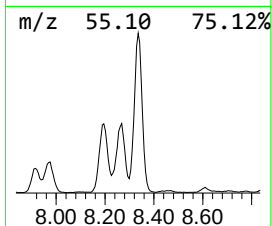
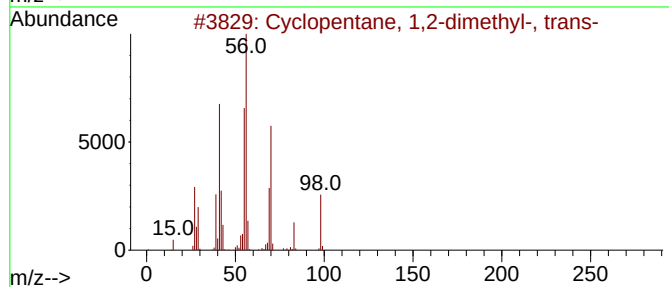
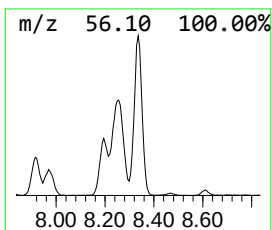
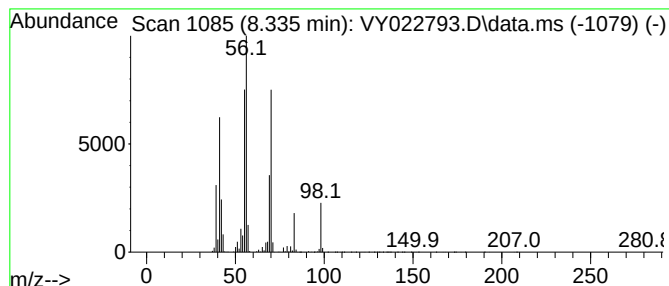
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Quant Title : SW846 8260

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

Peak Number 2 Cyclopentane, 1,2-dimethyl-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.335	97.55 ug/l	3101600	1,4-Difluorobenzene	8.610

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2			Isopropylcyclobutane	98	C7H14	000872-56-0	94
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5			1-Heptene	98	C7H14	000592-76-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

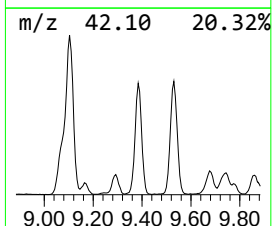
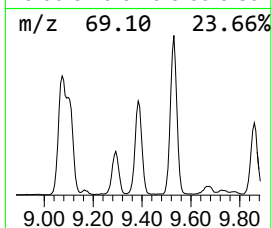
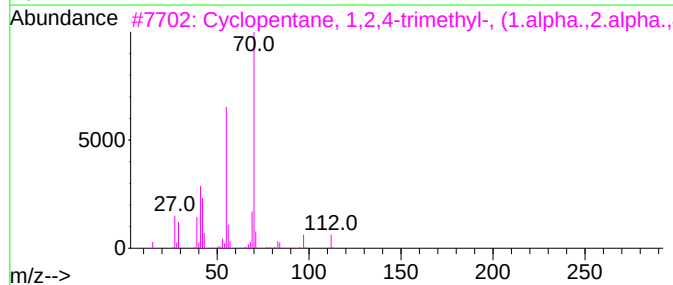
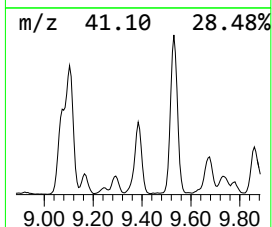
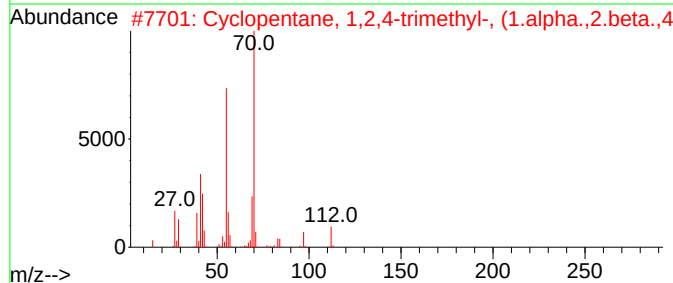
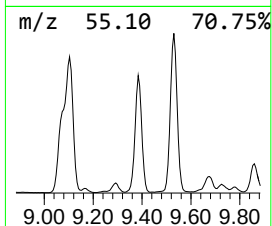
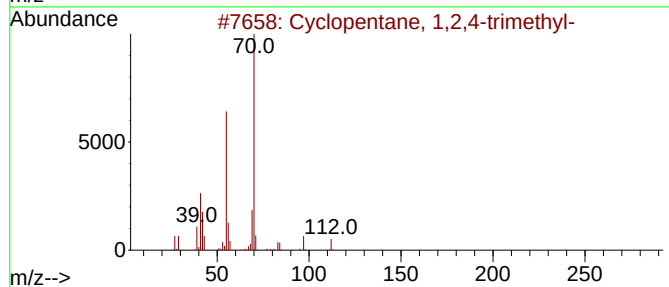
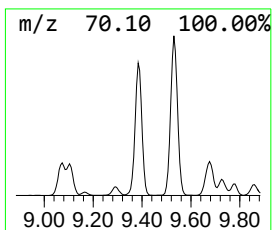
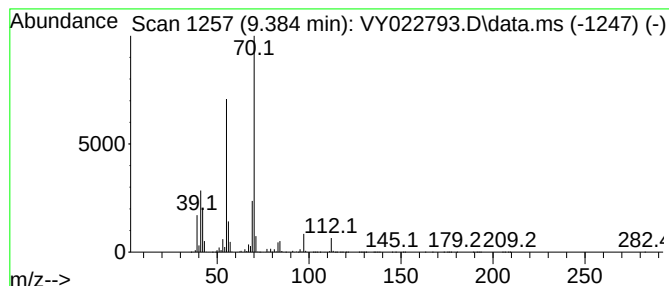
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Quant Title : SW846 8260

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

Peak Number 3 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	115.39 ug/l	3668930	1,4-Difluorobenzene	8.610

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4			2-Heptene, 3-methyl-	112	C8H16	003404-75-9	72
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

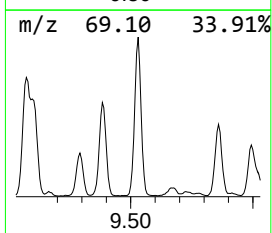
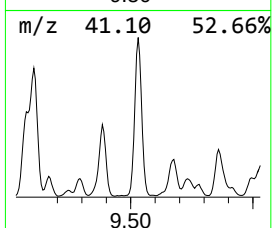
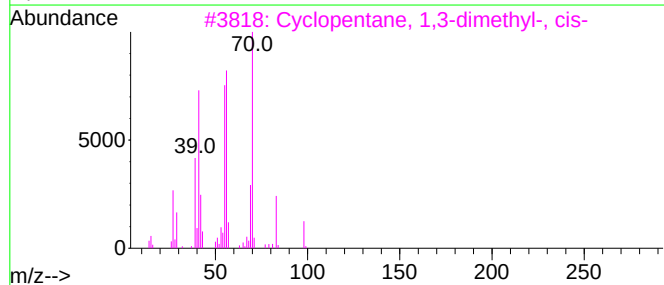
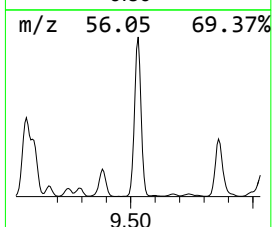
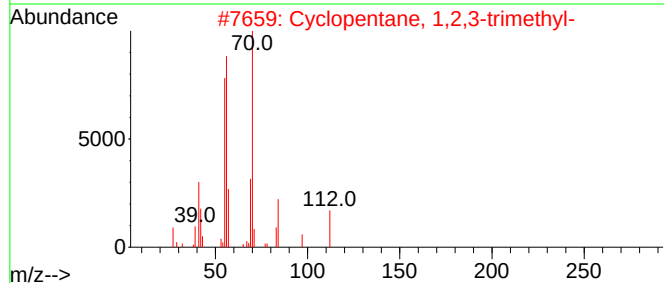
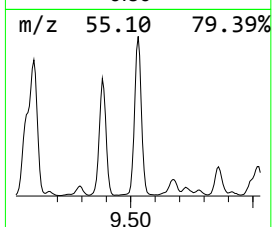
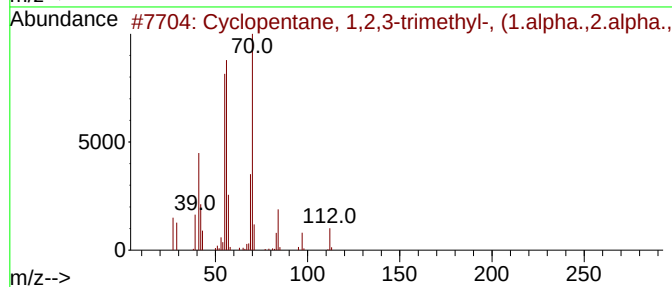
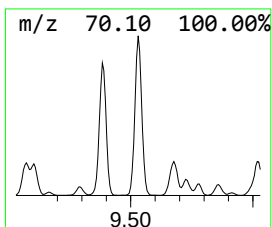
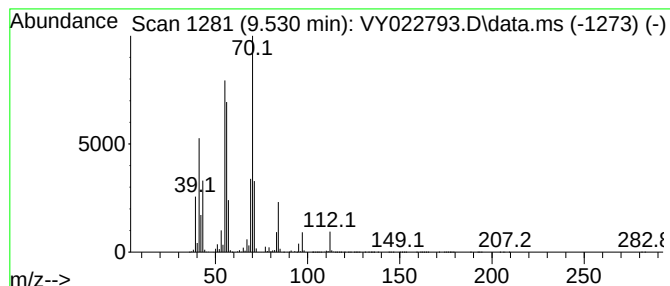
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Quant Title : SW846 8260

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

Peak Number 4 Cyclopentane, 1,2,3-trimeth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.530	218.83 ug/l	6957790	1,4-Difluorobenzene	8.610

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
4			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

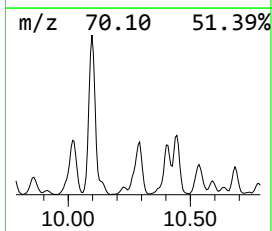
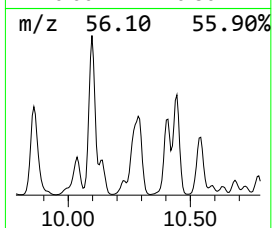
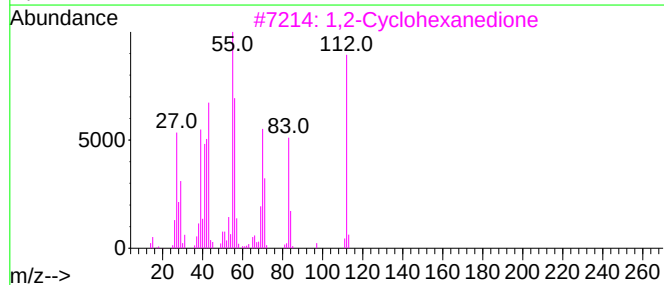
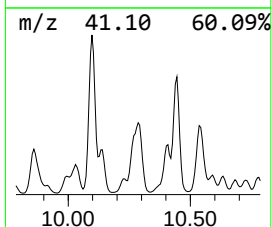
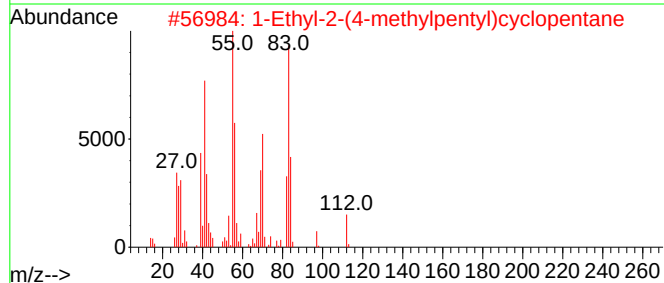
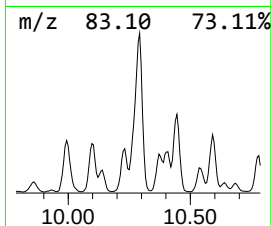
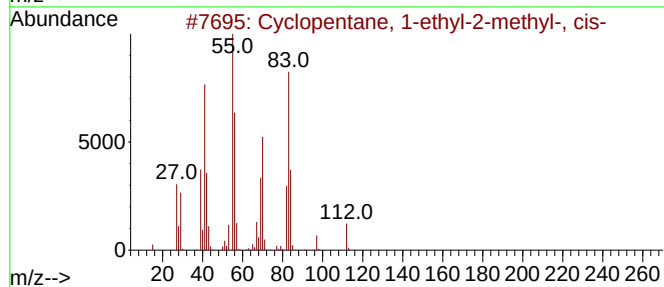
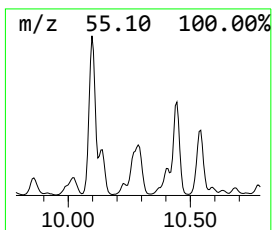
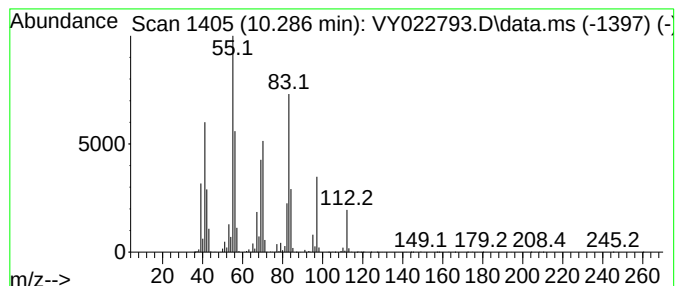
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, 1-ethyl-2-met... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.286	124.49 ug/l	4892240	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
2			1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	80
3			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	64
4			Cyclooctane	112	C8H16	000292-64-8	62
5			2-Octene, (Z)-	112	C8H16	007642-04-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

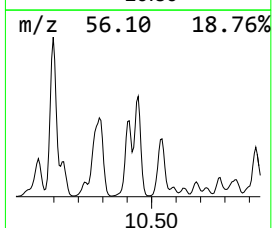
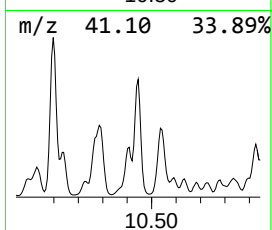
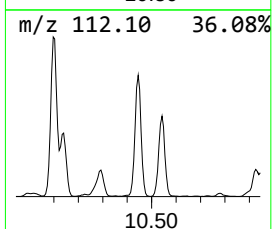
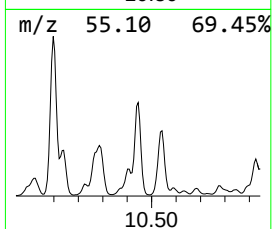
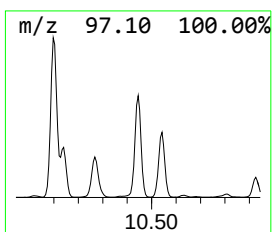
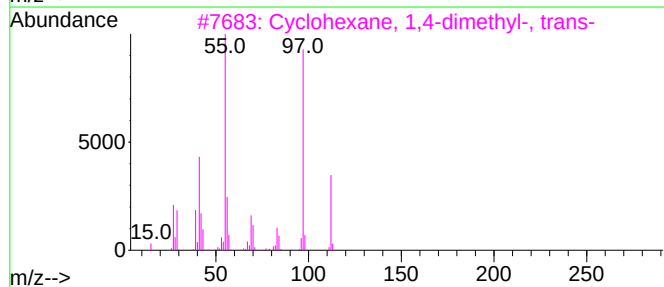
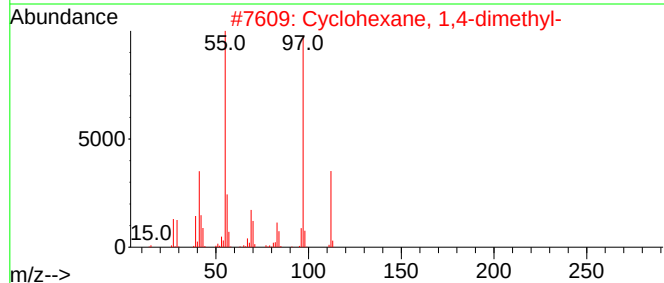
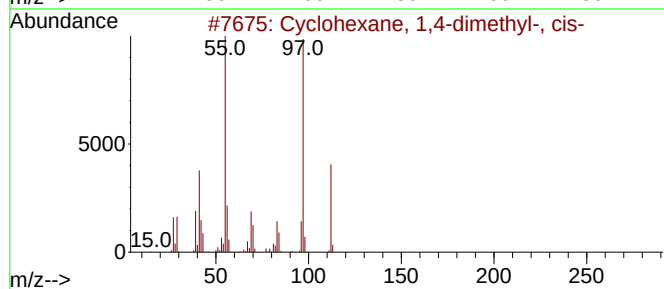
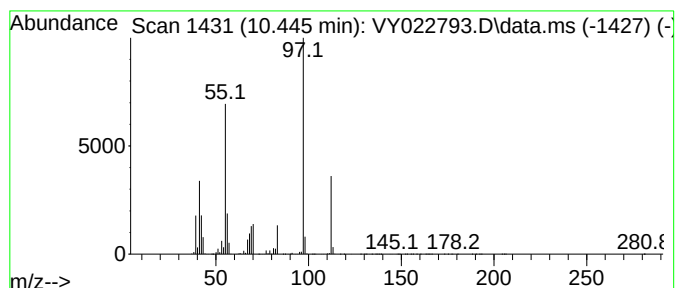
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.445	126.16 ug/l	4957880	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
2			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	74
5			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

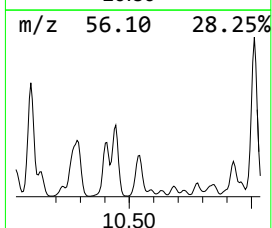
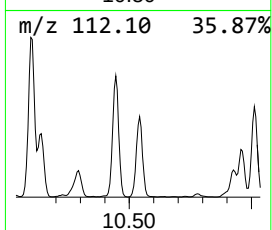
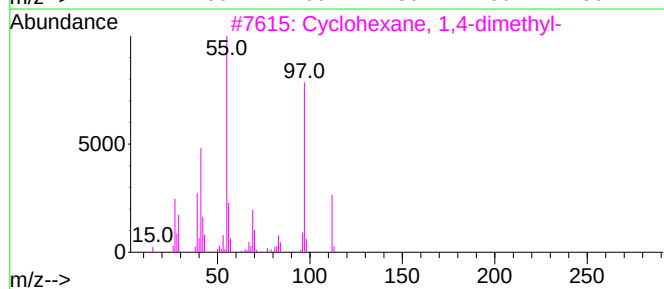
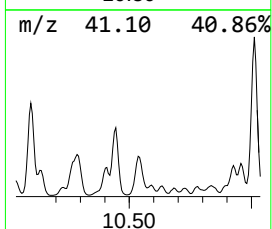
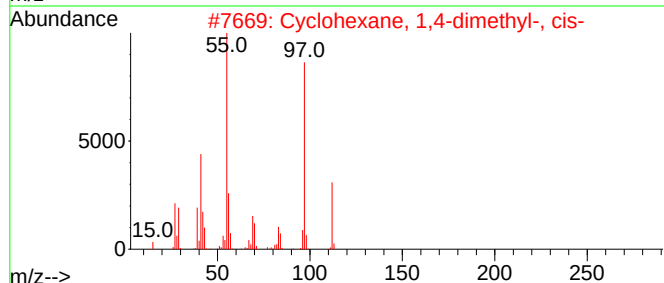
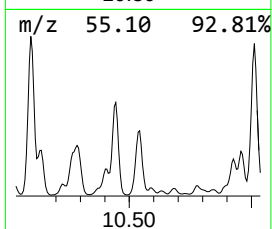
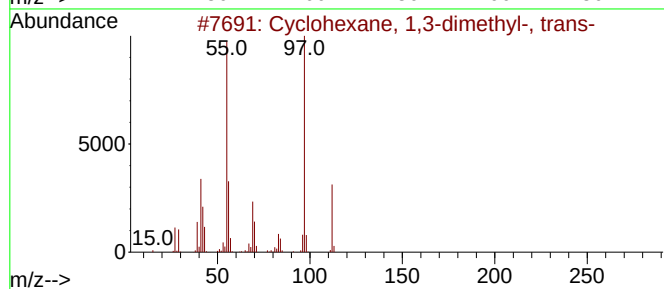
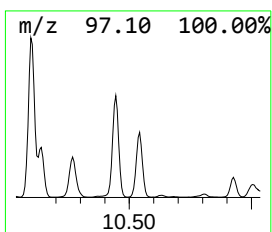
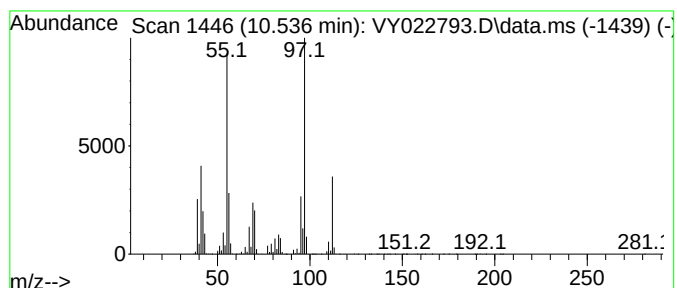
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.536	106.32 ug/l	4178060	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

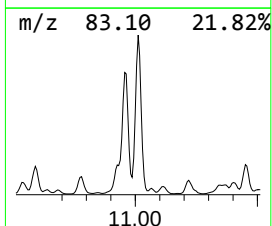
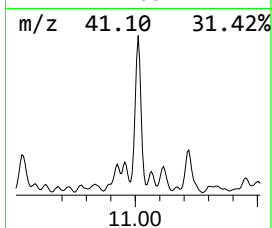
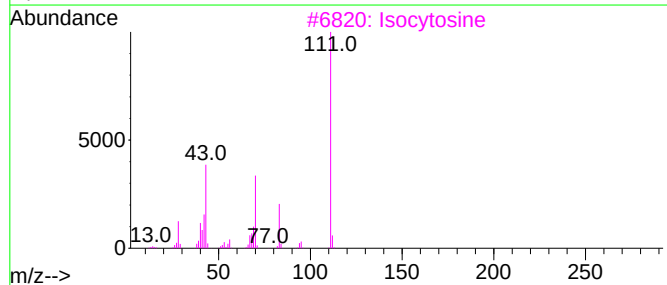
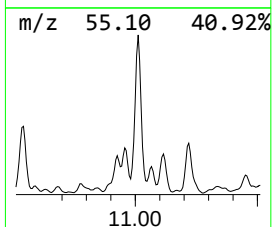
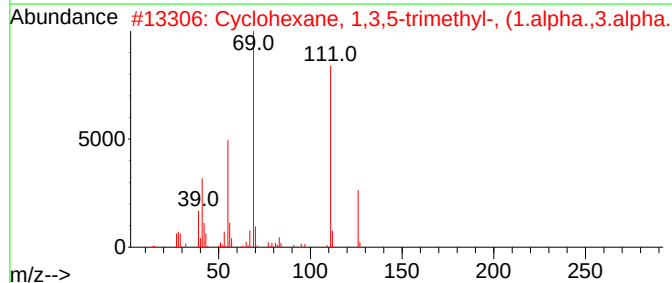
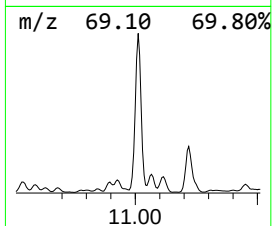
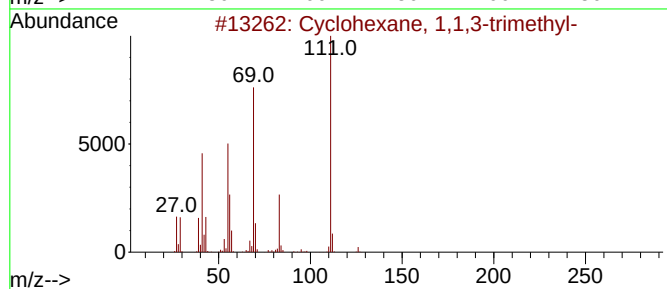
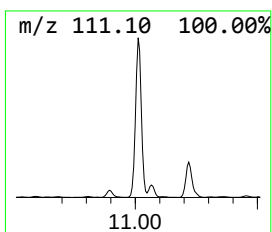
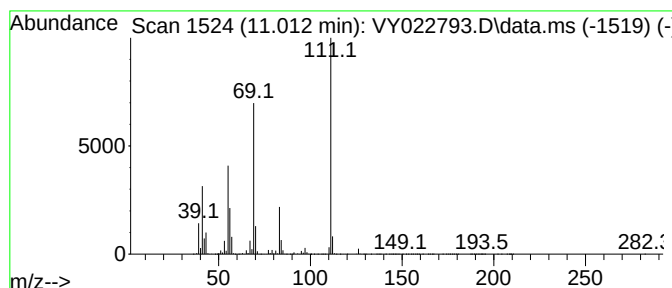
Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.012	318.37 ug/l	12511400	Chlorobenzene-d5		11.414	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	95
2	Cyclohexane, 1,3,5-trimethyl-, (...)		126	C9H18	001795-27-3	59
3	Isocytosine		111	C4H5N3O	000108-53-2	58
4	Cyclohexane, 1,3,5-trimethyl-		126	C9H18	001839-63-0	53
5	Cyclopentane, (2-methylbutyl)-		140	C10H20	053366-38-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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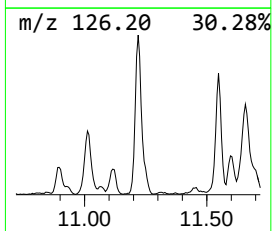
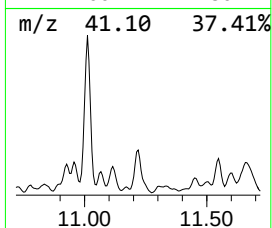
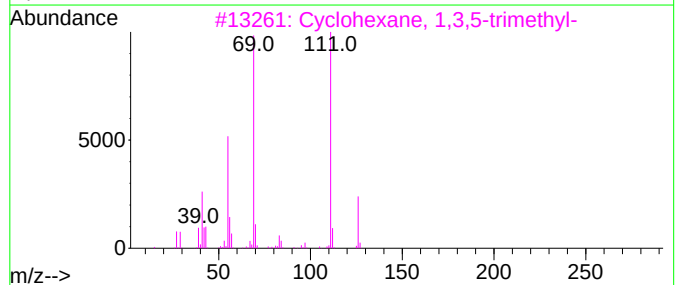
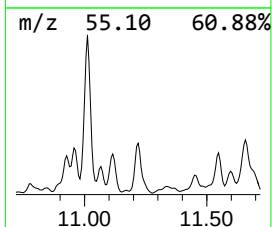
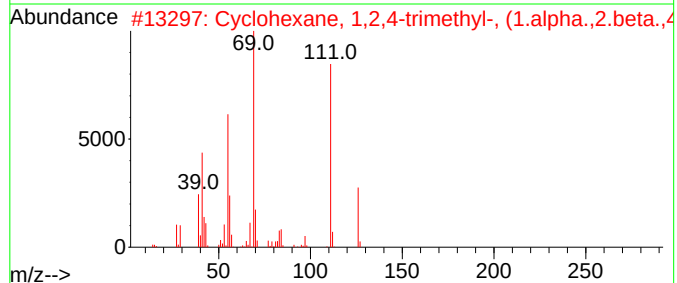
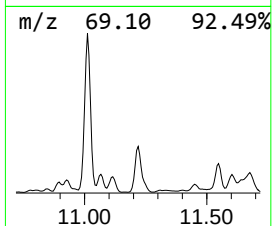
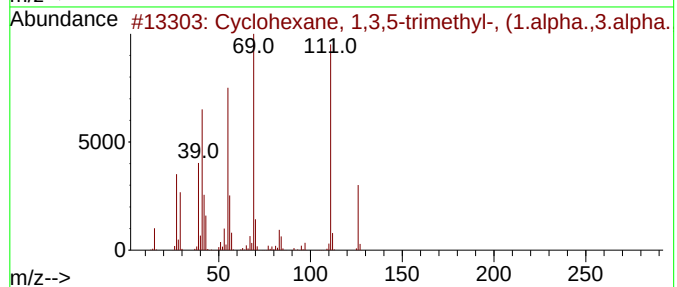
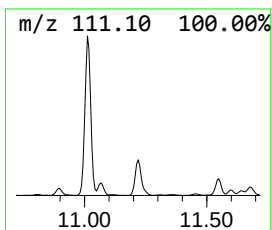
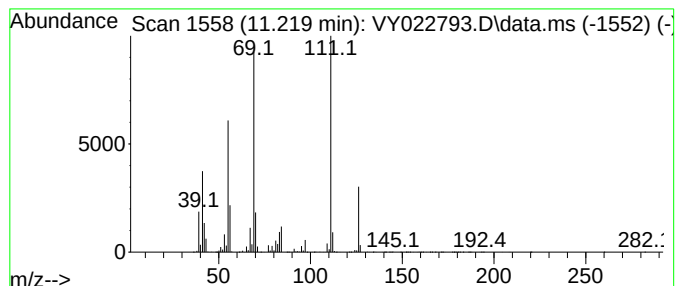
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1,3,5-trimethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.219	109.60 ug/l	4306930	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

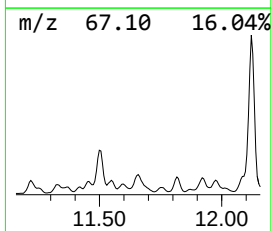
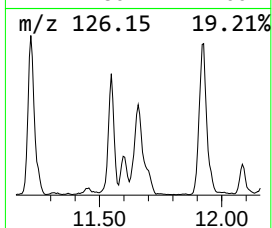
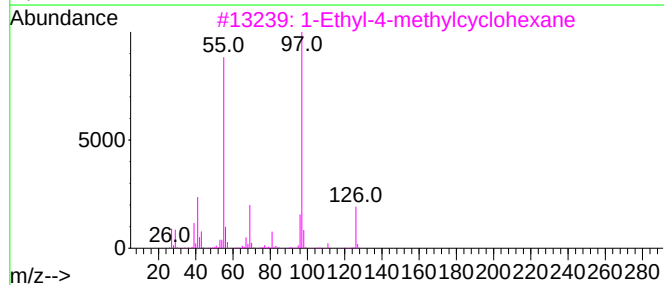
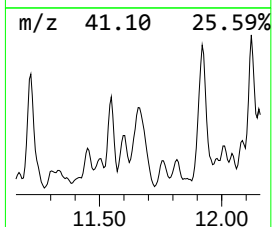
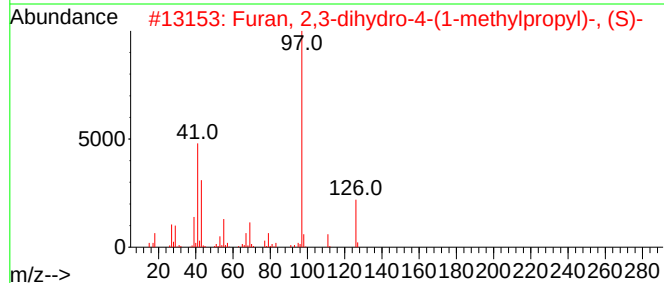
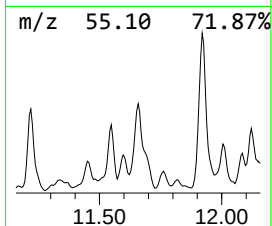
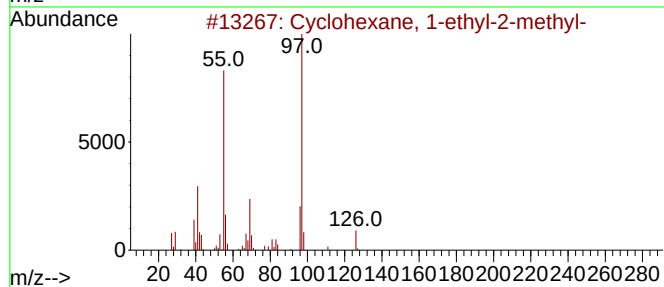
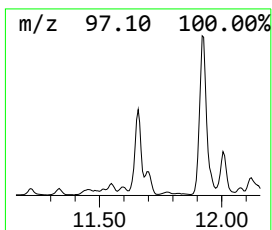
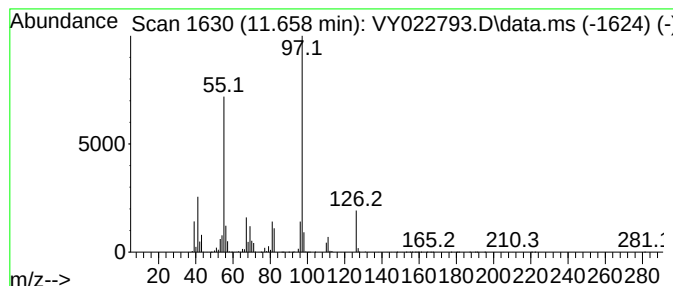
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.658	122.40 ug/l	4810040	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	74
2			Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	72
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	68
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

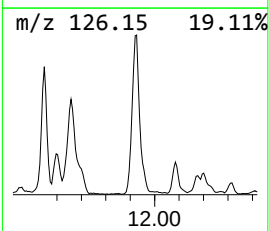
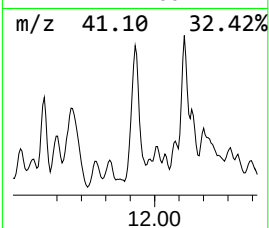
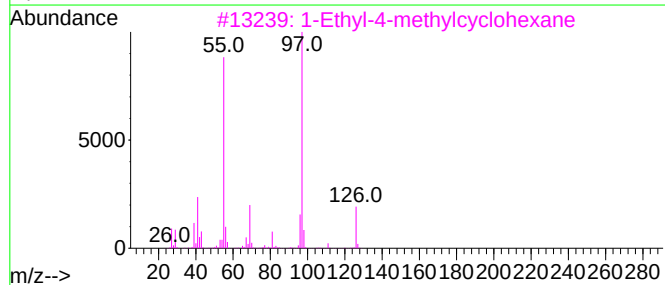
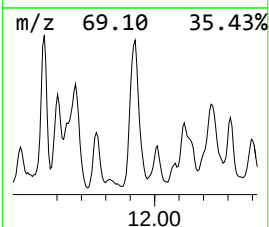
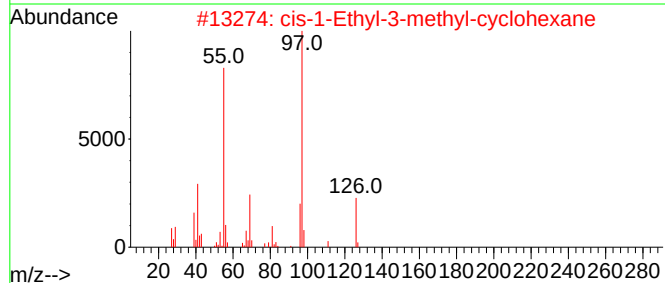
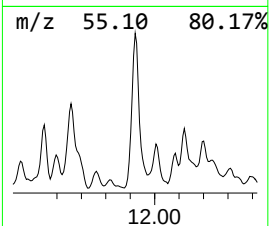
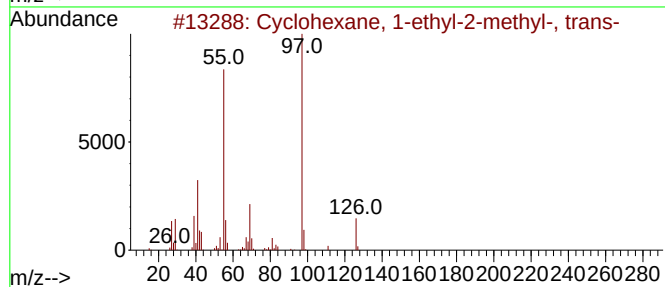
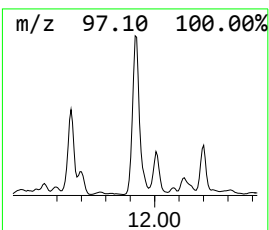
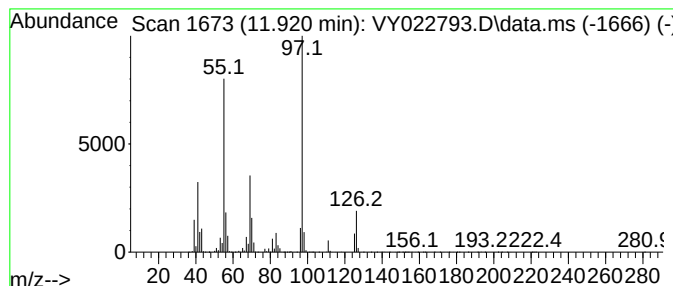
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Quant Title : SW846 8260

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

Peak Number 11 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.920	143.76 ug/l	5649650	Chlorobenzene-d5	11.414

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	80
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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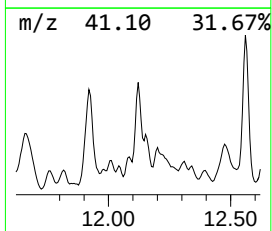
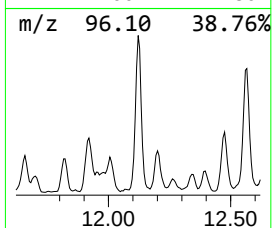
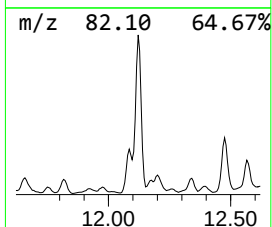
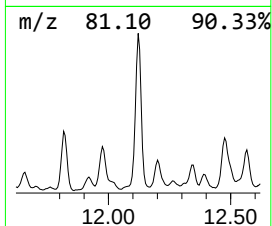
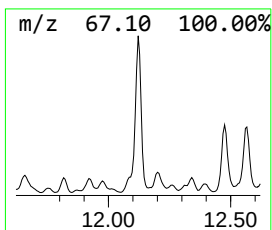
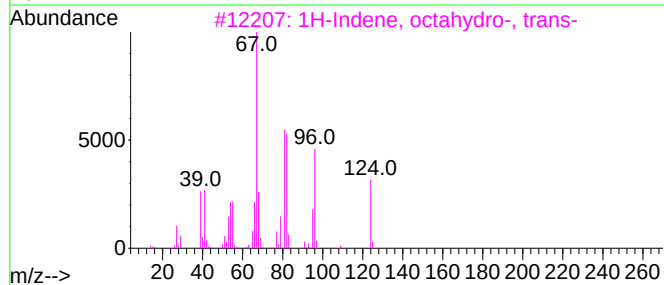
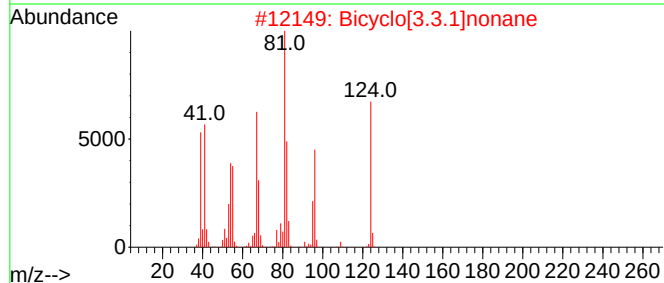
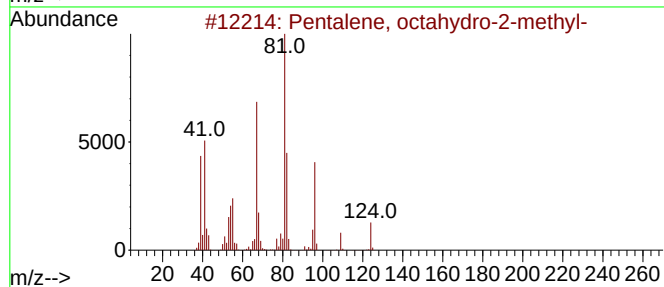
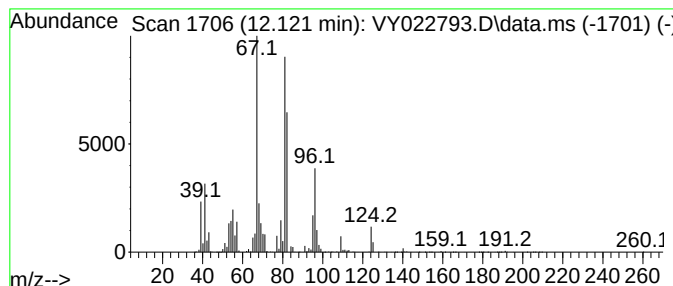
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Quant Title : SW846 8260

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

Peak Number 12 Pentalene, octahydro-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	155.54 ug/l	6112460	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	72
2			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	68
3			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
4			Cyclohexene, 3-heptyl-	180	C13H24	015232-93-6	47
5			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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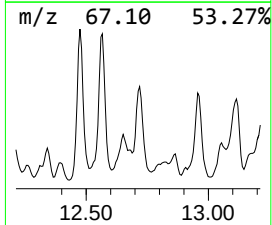
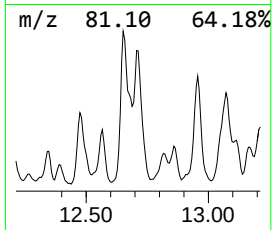
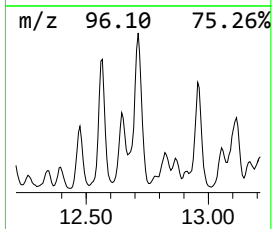
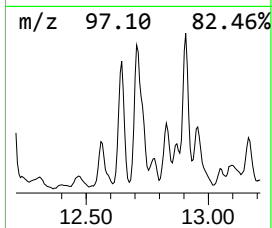
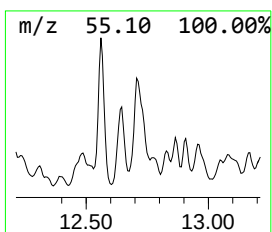
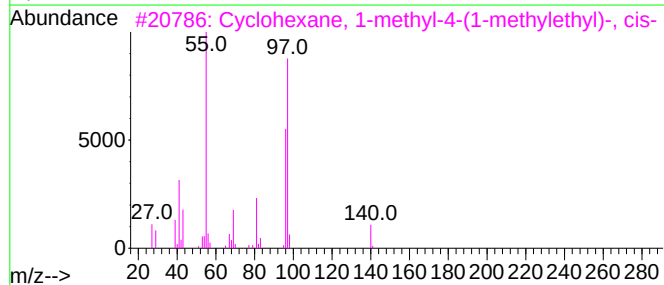
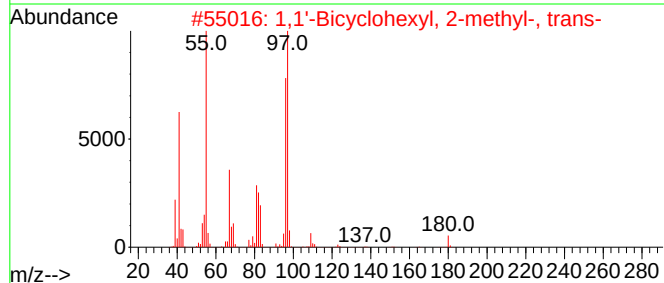
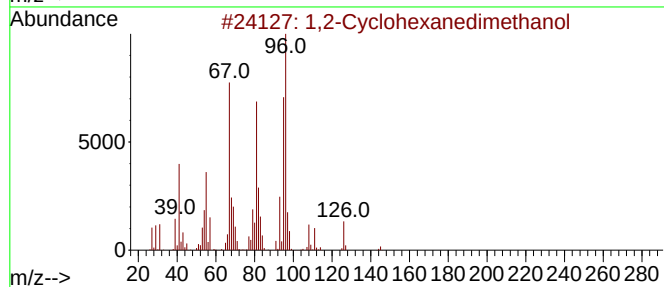
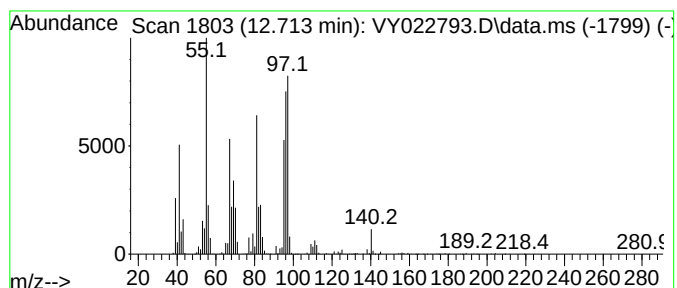
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Quant Title : SW846 8260

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

Peak Number 13 unknown12.713 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.713	96.82 ug/l	4097750	1,4-Dichlorobenzene-d4	13.341

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Cyclohexanedimethanol	144	C8H16O2	003971-29-7	49
2			1,1'-Bicyclohexyl, 2-methyl-, tr...	180	C13H24	050991-09-8	47
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4			Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054824-04-3	35
5			3-Dimethylaminoacrylonitrile	96	C5H8N2	002407-68-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

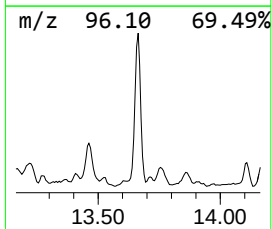
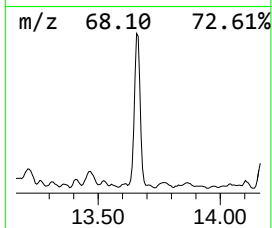
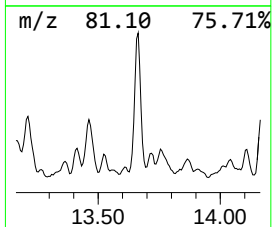
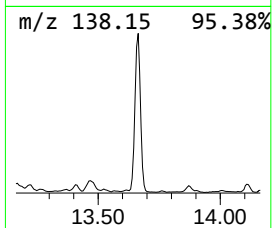
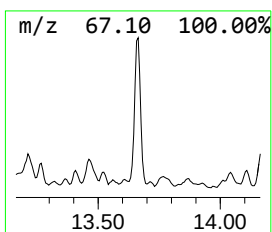
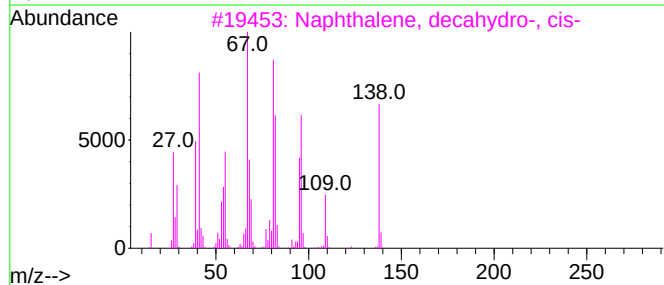
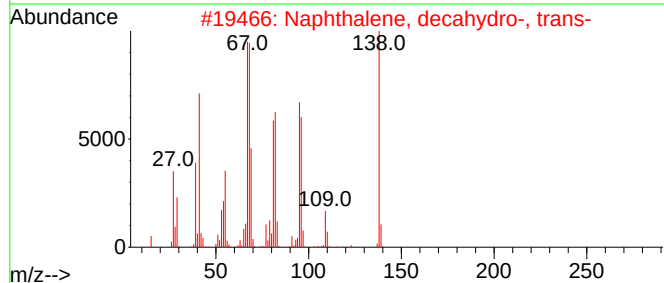
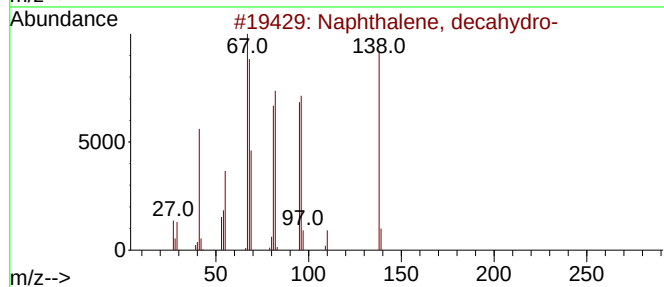
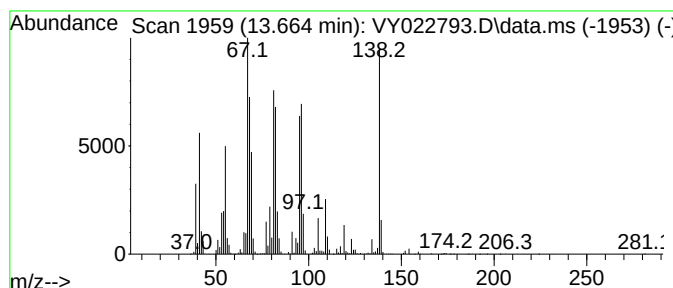
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Quant Title : SW846 8260

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

Peak Number 14 Naphthalene, decahydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	137.94 ug/l	5838280	1,4-Dichlorobenzene-d4	13.341

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4		Spiro[4.5]decane	138	C10H18	000176-63-6	87
5		Cyclodecene	138	C10H18	003618-12-0	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

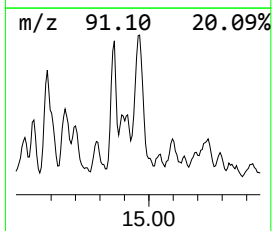
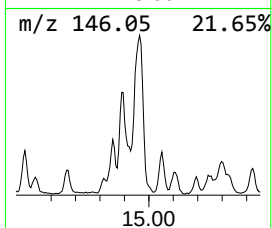
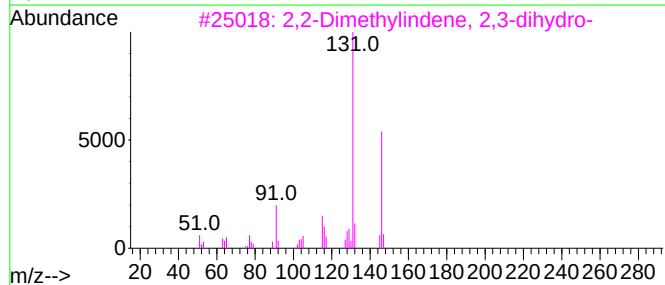
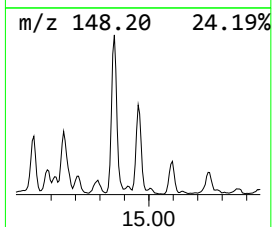
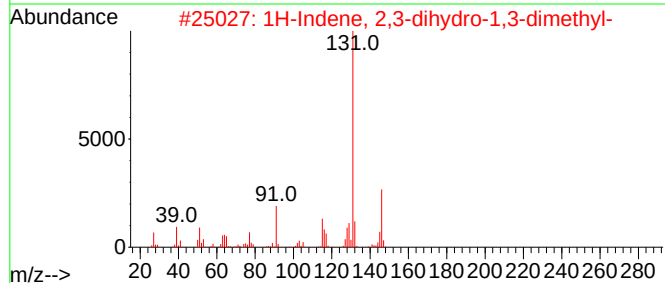
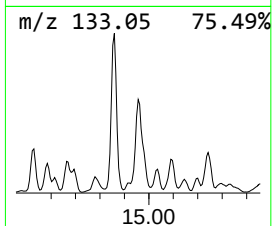
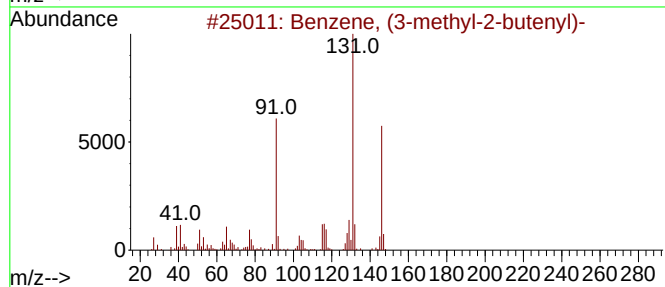
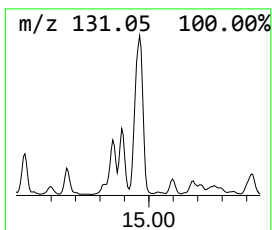
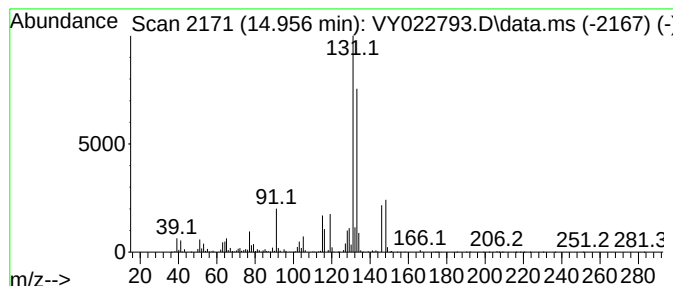
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 15 Benzene, (3-methyl-2-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	88.25 ug/l	3735210	1,4-Dichlorobenzene-d4	13.341

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55
4			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022793.D
Acq On : 24 Jun 2025 13:32
Operator : SY/MD
Sample : Q2363-01
Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GCAP1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2,2,3,3...	8.250	100.0	ug/l	3178860	2	8.610	1589770	50.0
Cyclopentane, 1...	8.335	97.5	ug/l	3101600	2	8.610	1589770	50.0
Cyclopentane, 1...	9.384	115.4	ug/l	3668930	2	8.610	1589770	50.0
Cyclopentane, 1...	9.530	218.8	ug/l	6957790	2	8.610	1589770	50.0
Cyclopentane, 1...	10.286	124.5	ug/l	4892240	3	11.414	1964900	50.0
Cyclohexane, 1...	10.445	126.2	ug/l	4957880	3	11.414	1964900	50.0
Cyclohexane, 1...	10.536	106.3	ug/l	4178060	3	11.414	1964900	50.0
Cyclohexane, 1...	11.012	318.4	ug/l	12511400	3	11.414	1964900	50.0
Cyclohexane, 1...	11.219	109.6	ug/l	4306930	3	11.414	1964900	50.0
Cyclohexane, 1-...	11.658	122.4	ug/l	4810040	3	11.414	1964900	50.0
Cyclohexane, 1-...	11.920	143.8	ug/l	5649650	3	11.414	1964900	50.0
Pentalene, octa...	12.121	155.5	ug/l	6112460	3	11.414	1964900	50.0
unknown12.713	12.713	96.8	ug/l	4097750	4	13.341	2116250	50.0
Naphthalene, de...	13.664	137.9	ug/l	5838280	4	13.341	2116250	50.0
Benzene, (3-met...	14.956	88.3	ug/l	3735210	4	13.341	2116250	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087140.D
 Acq On : 20 Jun 2025 15:29
 Operator : JC\MD
 Sample : Q2363-01ME
 Misc : 4.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GCAP1ME

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 20 23:08:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

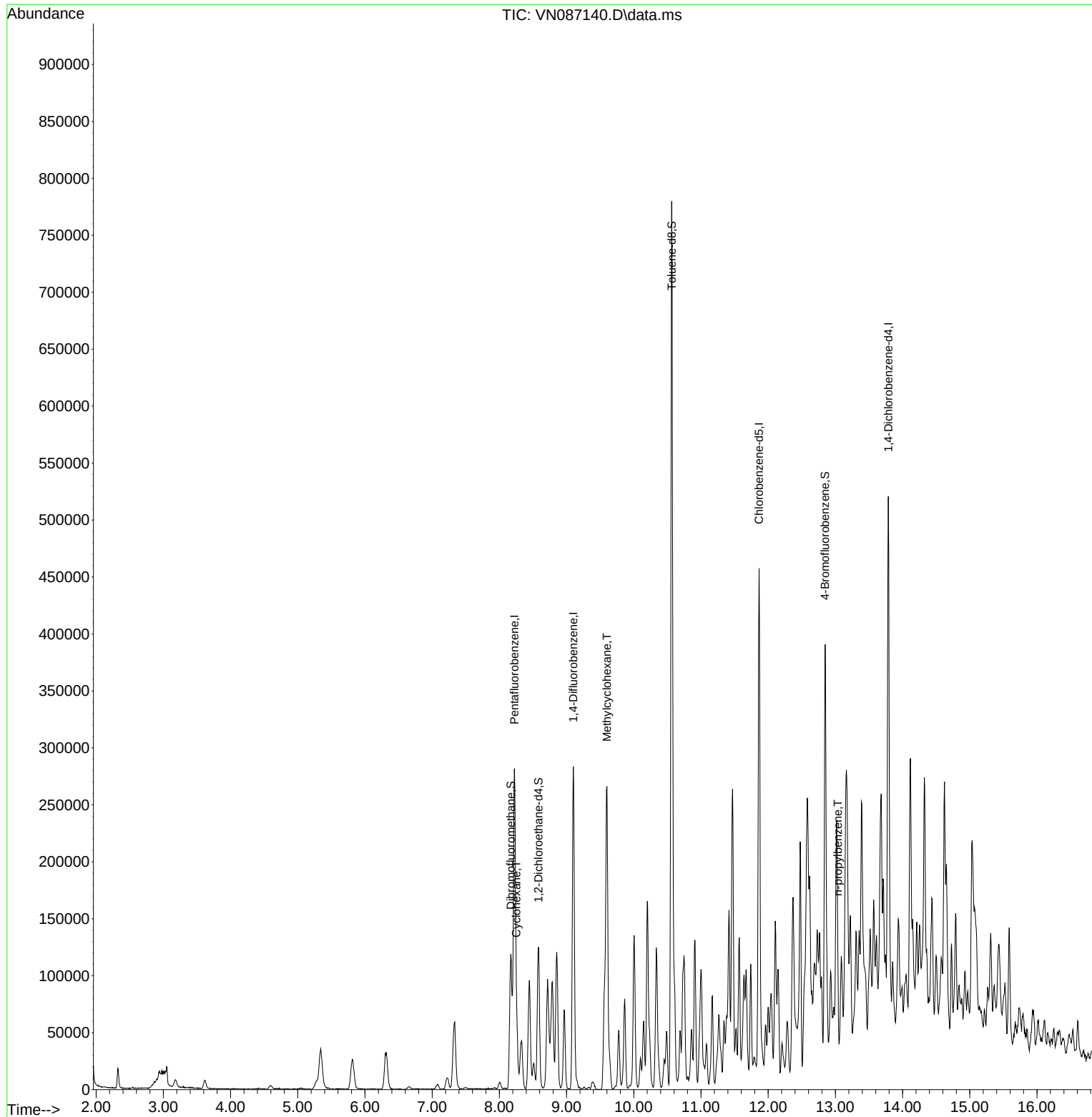
Internal Standards						
1) Pentafluorobenzene	8.224	168	160799	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	9.100	114	252217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107748	50.047	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.100%	
35) Dibromofluoromethane	8.171	113	92963	62.195	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 124.400%#	
50) Toluene-d8	10.565	98	416613	70.408	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 140.820%#	
62) 4-Bromofluorobenzene	12.847	95	130686	59.446	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 118.900%	
Target Compounds						
						Qvalue
31) Cyclohexane	8.253	56	44014	12.605	ug/l	95
39) Methylcyclohexane	9.600	83	134967	44.231	ug/l	97
78) n-propylbenzene	13.035	91	47295	4.120	ug/l	99

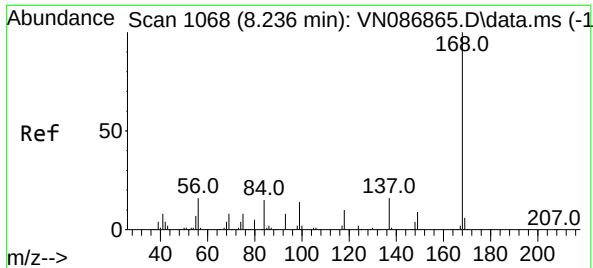
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087140.D
Acq On : 20 Jun 2025 15:29
Operator : JC\MD
Sample : Q2363-01ME
Misc : 4.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GCAP1ME

Quant Time: Jun 20 23:08:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

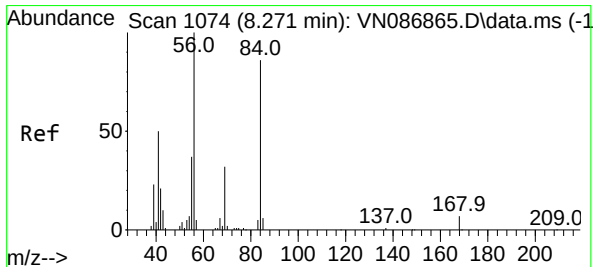
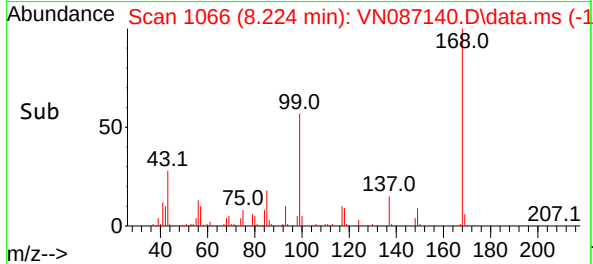
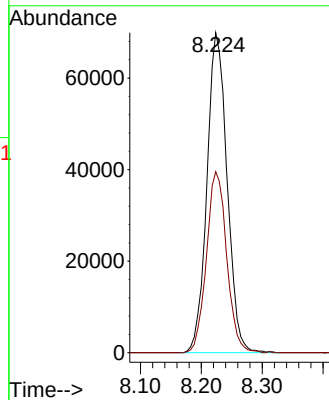
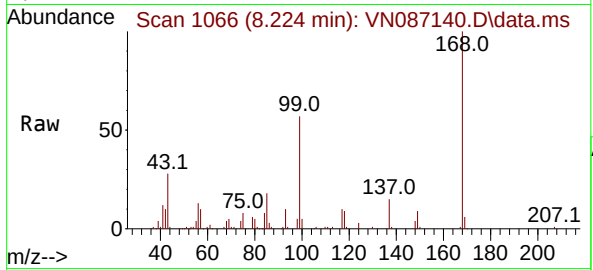




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

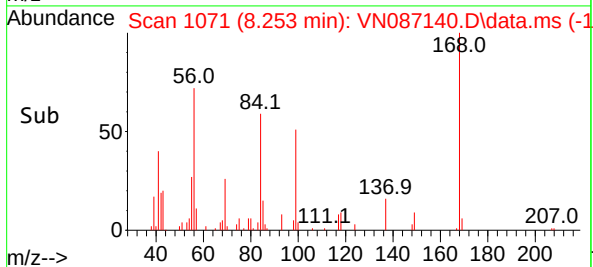
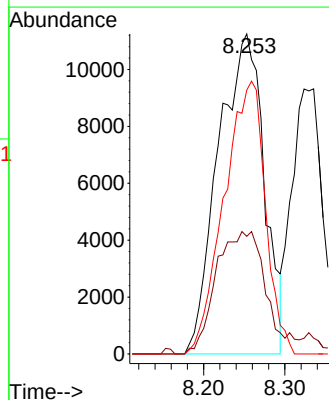
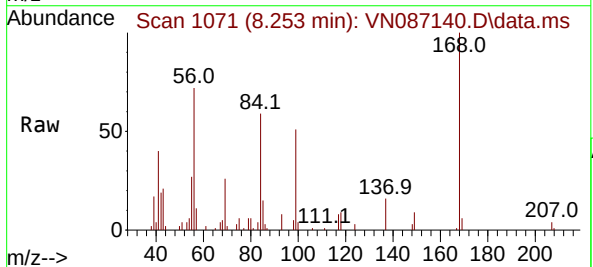
Instrument :
MSVOA_N
ClientSampleId :
GCAP1ME

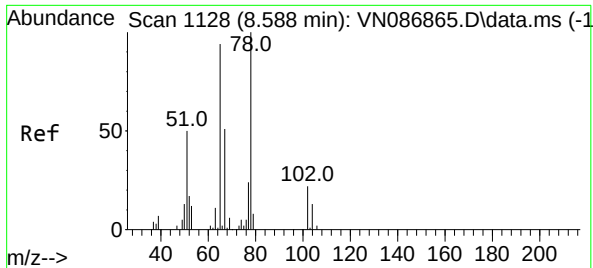
Tgt Ion:168 Resp: 160799
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7



#31
Cyclohexane
Concen: 12.605 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.018 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

Tgt Ion: 56 Resp: 44014
Ion Ratio Lower Upper
56 100
69 36.7 25.4 38.0
84 82.5 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 50.047 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

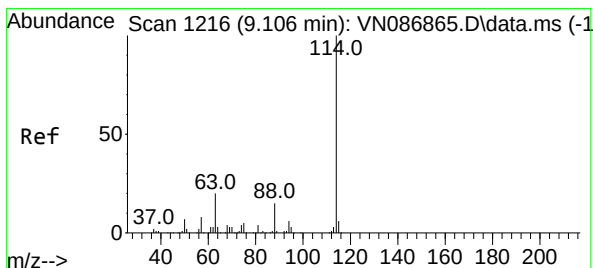
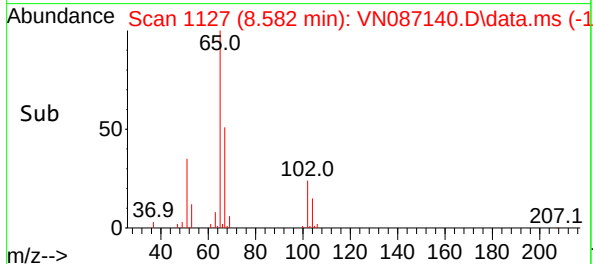
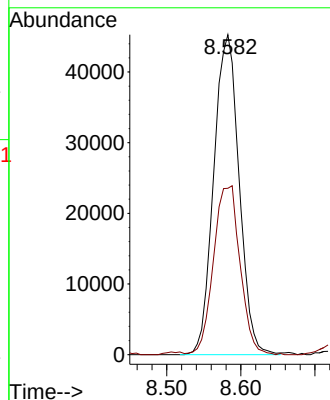
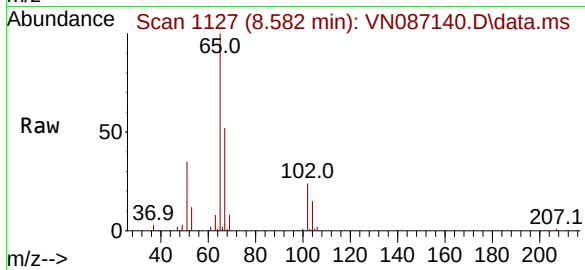
GCAP1ME

Tgt Ion: 65 Resp: 107748

Ion Ratio Lower Upper

65 100

67 55.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

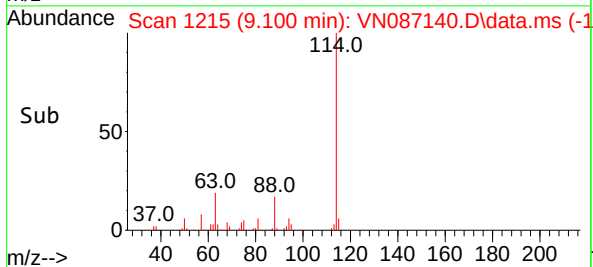
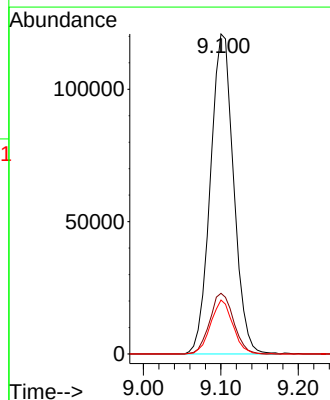
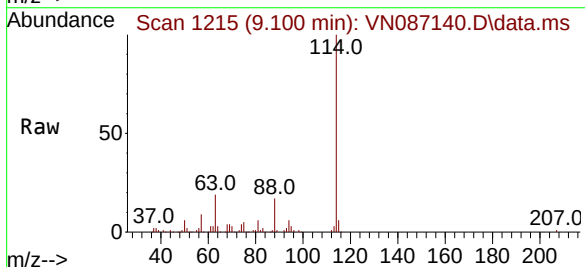
Tgt Ion:114 Resp: 252217

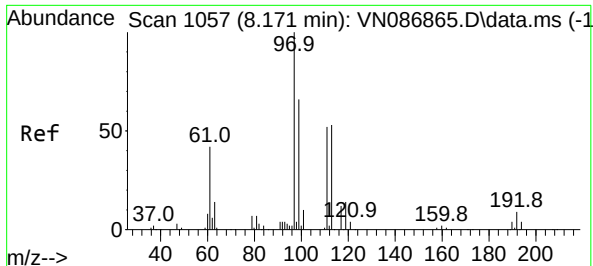
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 62.195 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

GCAP1ME

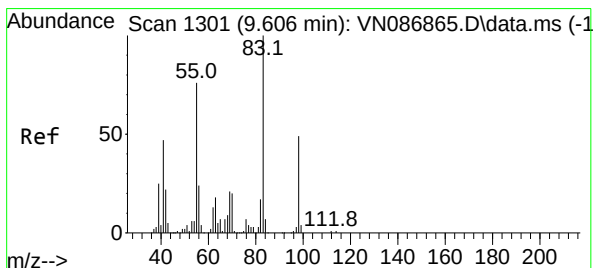
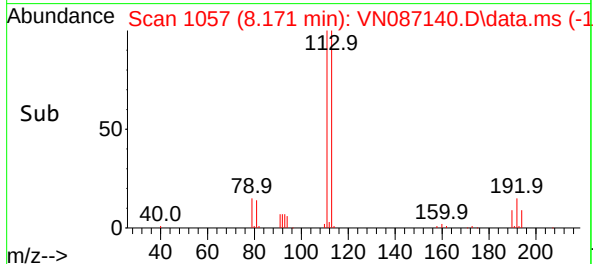
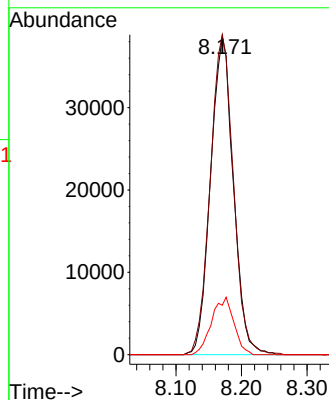
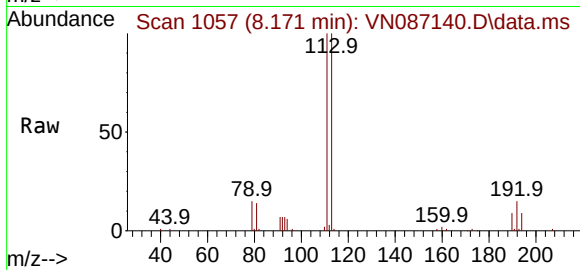
Tgt Ion:113 Resp: 92963

Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 17.7 14.2 21.4



#39

Methylcyclohexane

Concen: 44.231 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

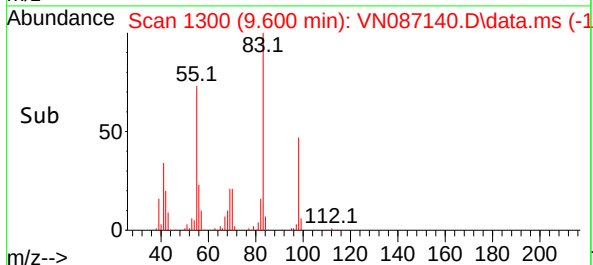
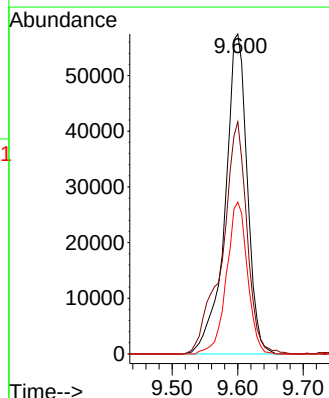
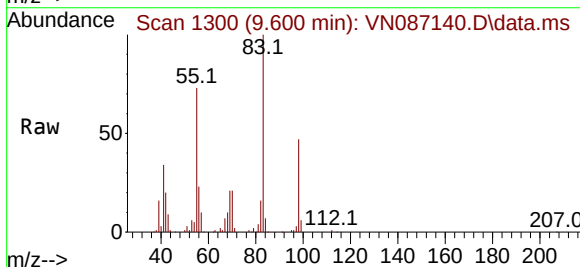
Tgt Ion: 83 Resp: 134967

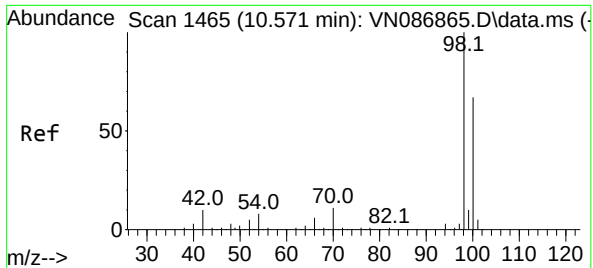
Ion Ratio Lower Upper

83 100

55 72.6 61.0 91.6

98 47.4 38.9 58.3

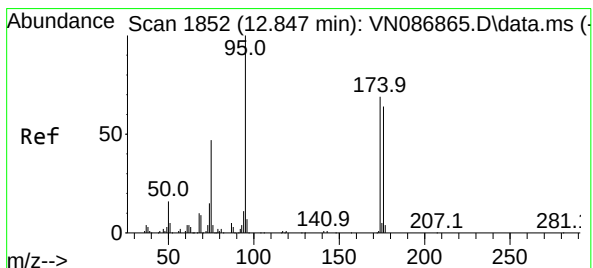
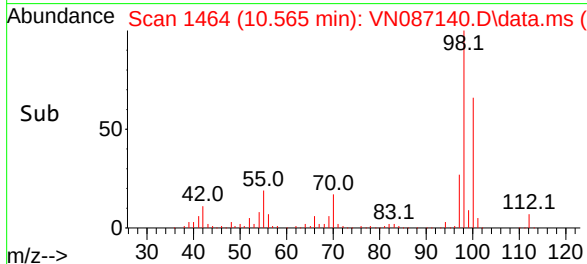
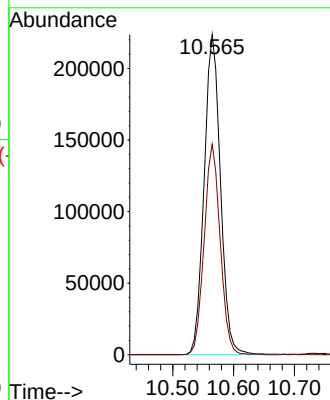
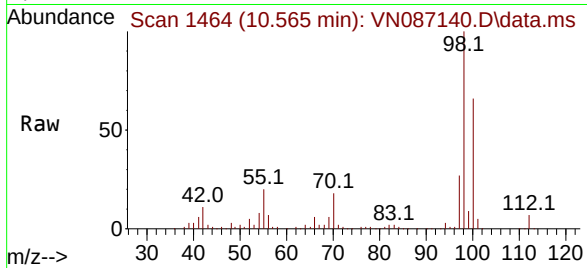




#50
Toluene-d8
Concen: 70.408 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

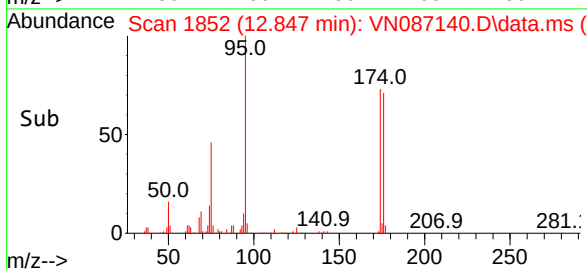
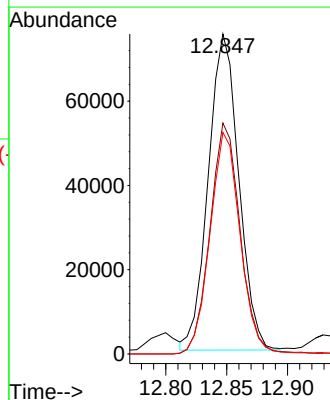
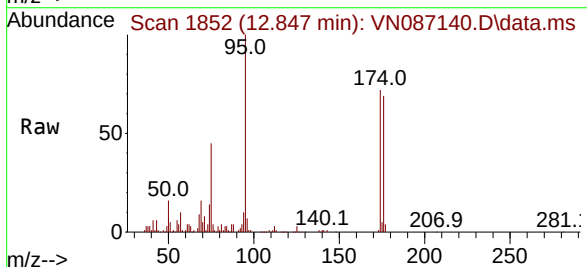
Instrument :
MSVOA_N
ClientSampleId :
GCAP1ME

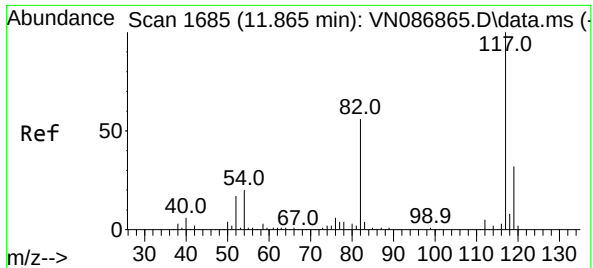
Tgt Ion: 98 Resp: 416613
Ion Ratio Lower Upper
98 100
100 64.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 59.446 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

Tgt Ion: 95 Resp: 130686
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.6 0.0 132.6

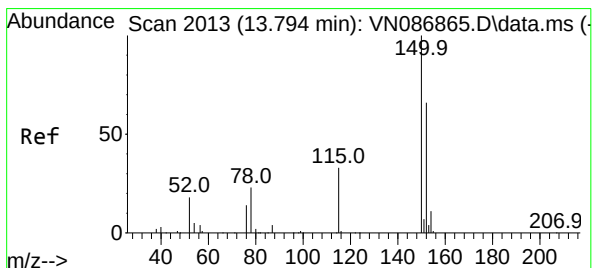
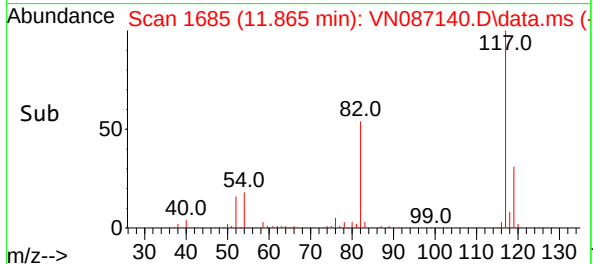
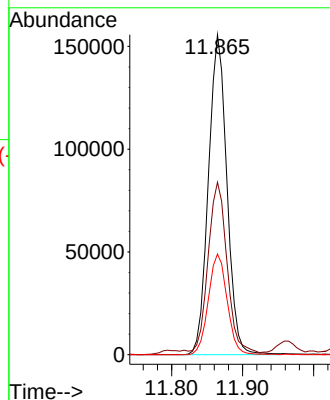
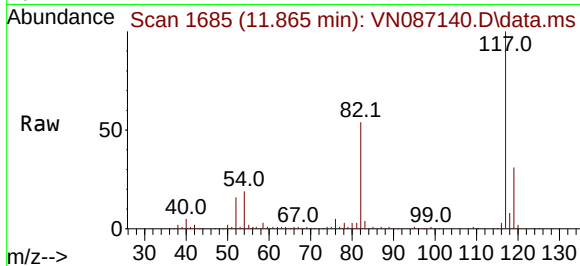




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

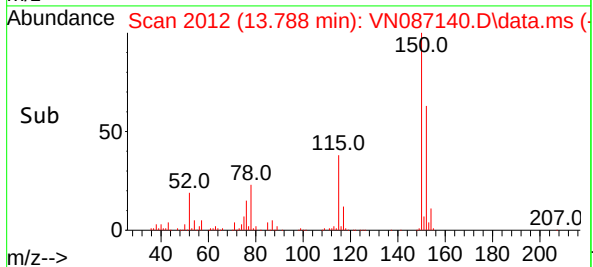
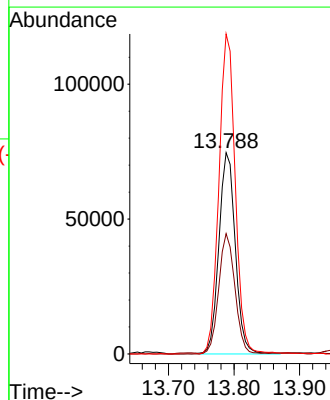
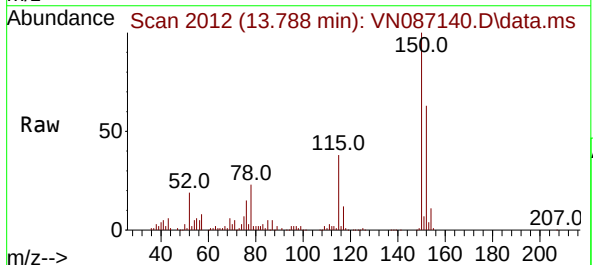
Instrument :
MSVOA_N
ClientSampleId :
GCAP1ME

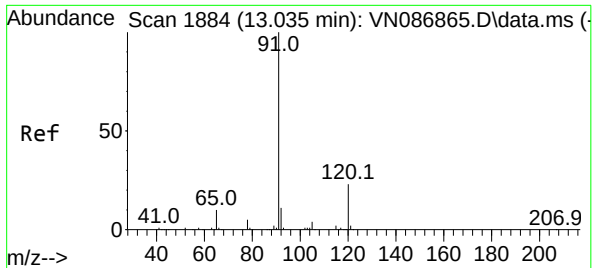
Tgt Ion:117 Resp: 281251
Ion Ratio Lower Upper
117 100
82 52.8 44.6 67.0
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

Tgt Ion:152 Resp: 129659
Ion Ratio Lower Upper
152 100
115 58.9 30.1 90.5
150 157.7 0.0 345.0





#78

n-propylbenzene

Concen: 4.120 ug/l

RT: 13.035 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087140.D

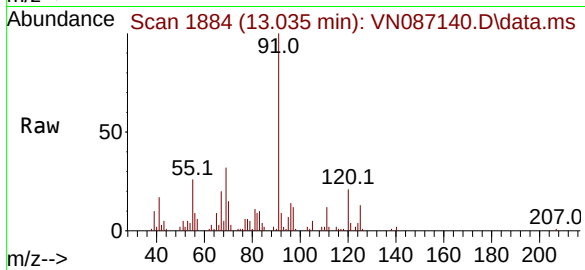
Acq: 20 Jun 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

GCAP1ME

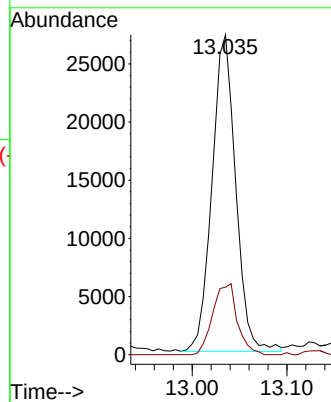
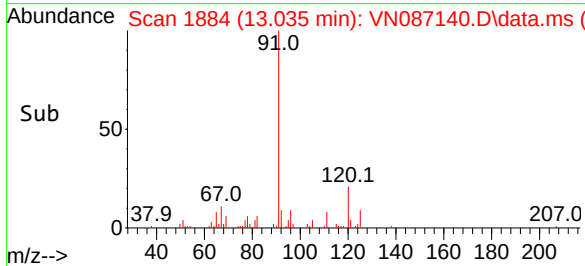


Tgt Ion: 91 Resp: 47295

Ion Ratio Lower Upper

91 100

120 23.1 11.4 34.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046768.D
 Acq On : 19 Jun 2025 13:36
 Operator : JC/MD
 Sample : Q2363-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP1W

Manual Integrations APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 05:20:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	97884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	166362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	61764	45.619	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.240%		
35) Dibromofluoromethane	5.397	113	56188	51.047	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.100%		
50) Toluene-d8	8.653	98	201338	50.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.820%		
62) 4-Bromofluorobenzene	11.079	95	76110	51.631	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.260%		
Target Compounds						
					Qvalue	
31) Cyclohexane	5.489	56	2515018	1240.553	ug/l	99
39) Methylcyclohexane	7.391	83	2150867	1028.684	ug/l	96
40) Benzene	6.050	78	8572	1.823	ug/l	95
52) Toluene	8.720	92	19465	6.677	ug/l	95
67) Ethyl Benzene	10.195	91	436377	76.465	ug/l	99
69) o-Xylene	10.640	106	4902	2.460	ug/l	97
73) Isopropylbenzene	10.963	105	567581	106.299	ug/l	100
78) n-propylbenzene	11.305	91	1221331	192.578	ug/l	99
85) sec-Butylbenzene	11.890	105	137153	23.927	ug/l	95
86) p-Isopropyltoluene	12.006	119	100644m	20.810	ug/l	
89) n-Butylbenzene	12.329	91	109942m	23.942	ug/l	
95) Naphthalene	13.774	128	8636	1.821	ug/l #	68

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

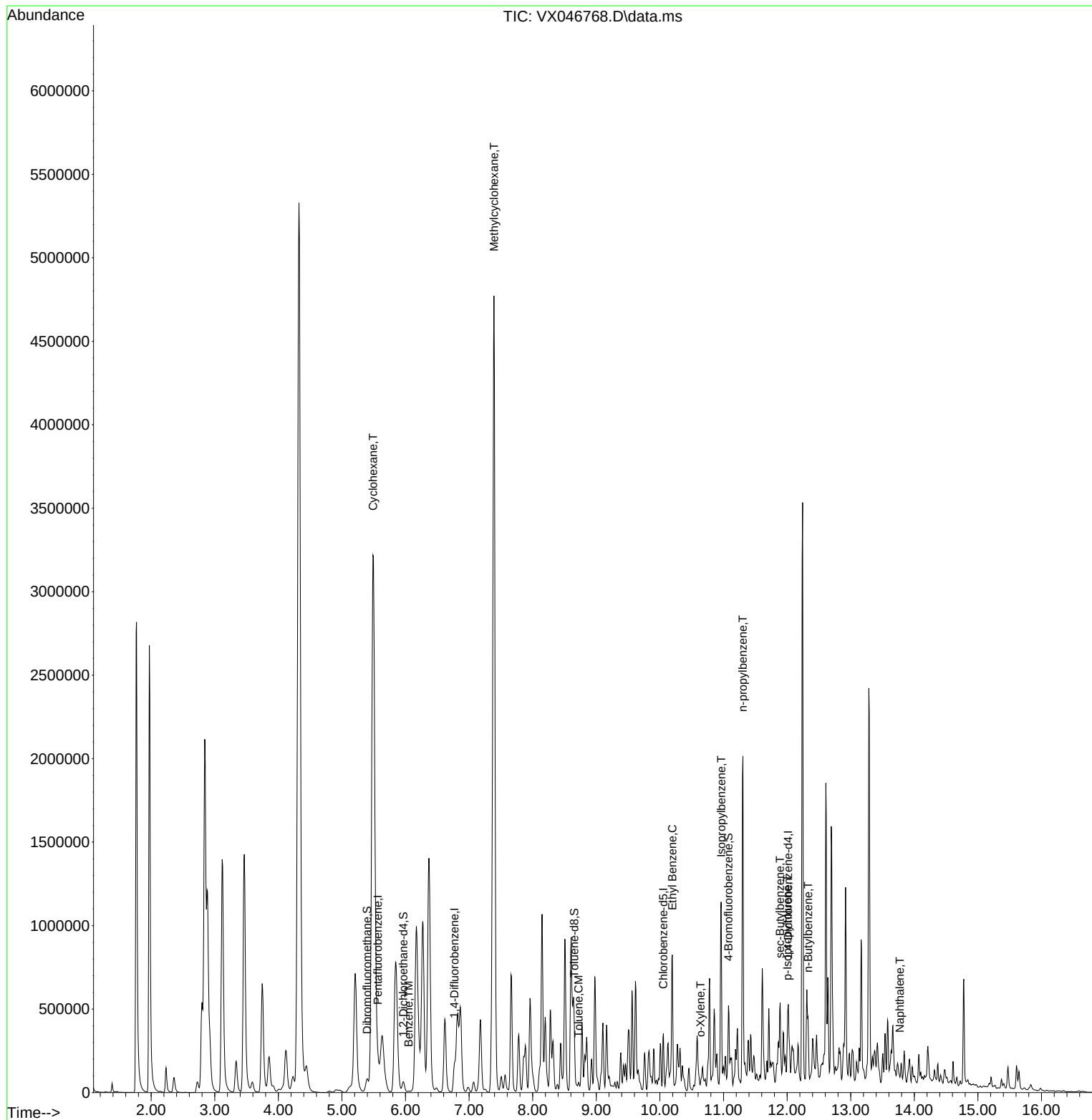
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

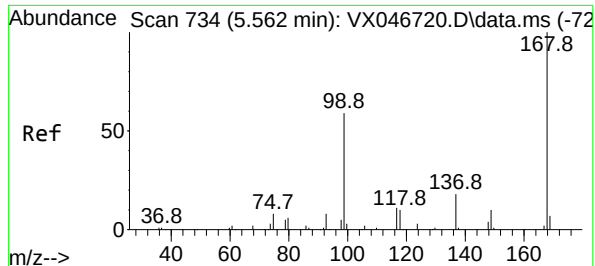
Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/20/2025
Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 05:20:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration





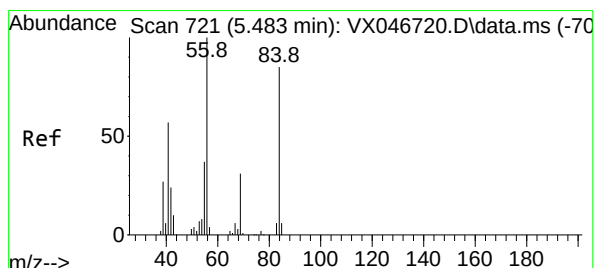
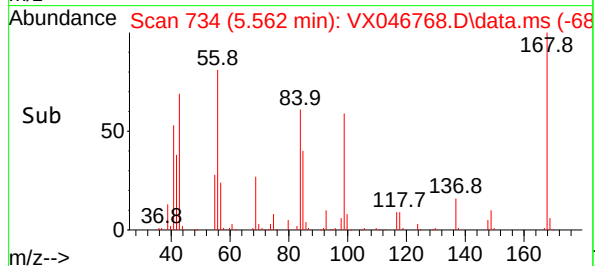
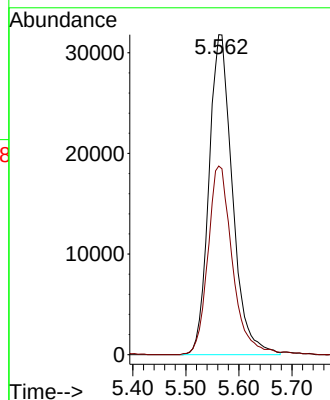
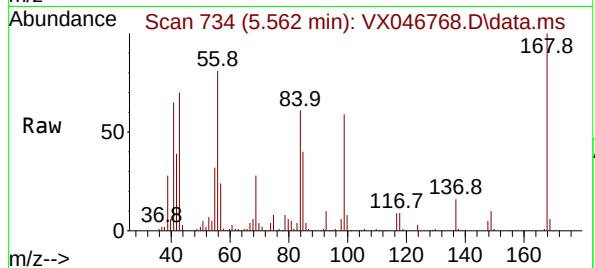
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Tgt Ion:168 Resp: 97884
Ion Ratio Lower Upper
168 100
99 58.9 48.5 72.7

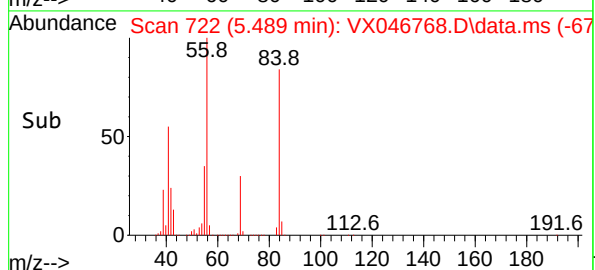
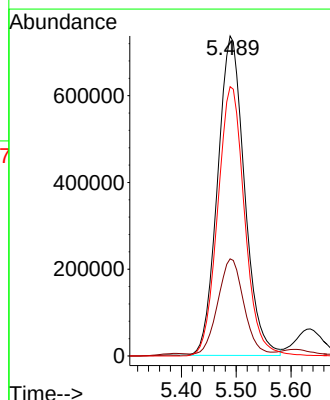
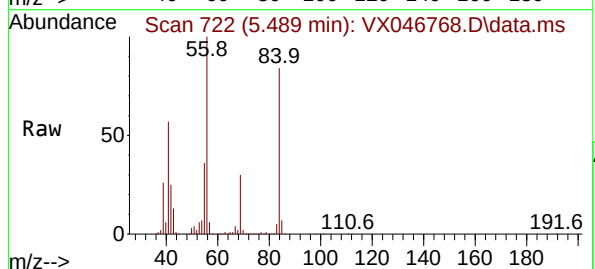
Manual Integrations
APPROVED

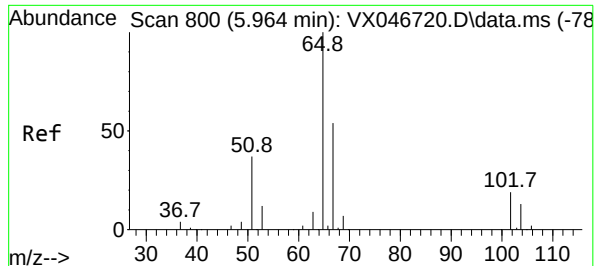
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#31
Cyclohexane
Concen: 1240.553 ug/l
RT: 5.489 min Scan# 722
Delta R.T. 0.006 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Tgt Ion: 56 Resp: 2515018
Ion Ratio Lower Upper
56 100
69 29.6 24.8 37.2
84 84.3 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 45.619 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

GCAP1W

Tgt Ion: 65 Resp: 61764

Ion Ratio Lower Upper

65 100

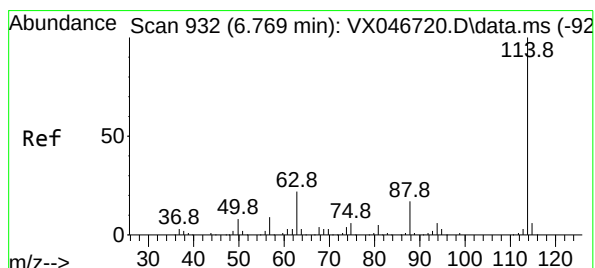
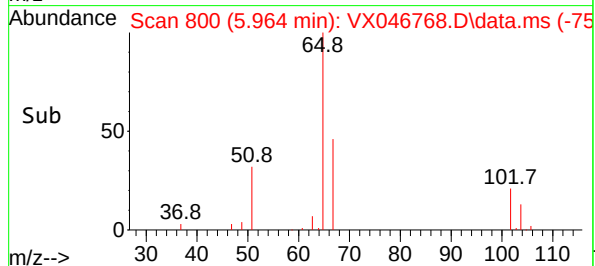
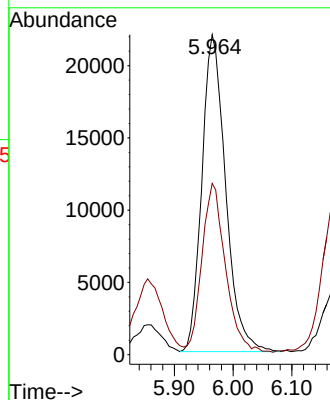
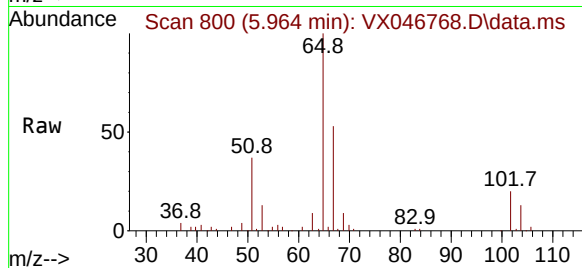
67 52.7 0.0 105.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

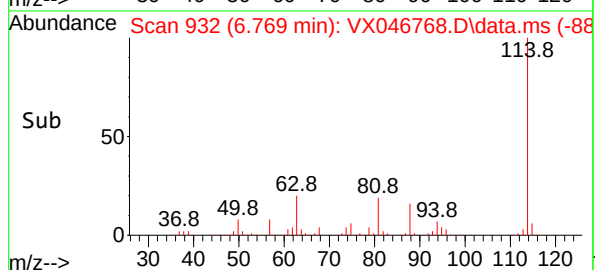
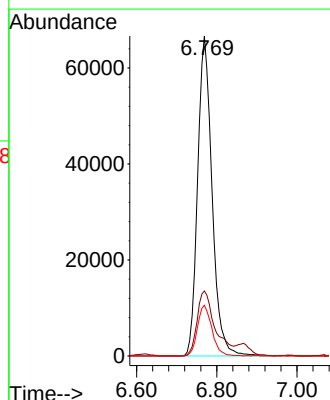
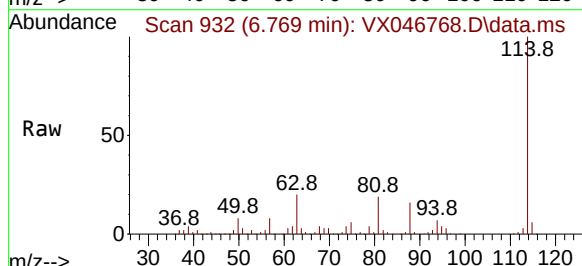
Tgt Ion:114 Resp: 166362

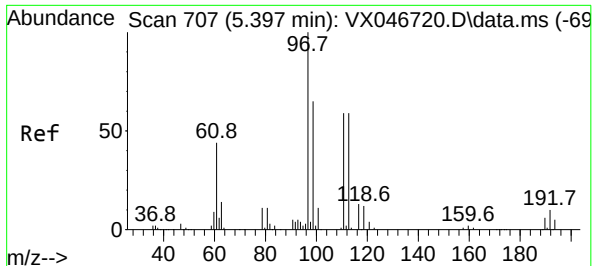
Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.2

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.047 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

GCAP1W

Tgt Ion:113 Resp: 5618

Ion Ratio Lower Upper

113 100

111 100.3 82.0 123.0

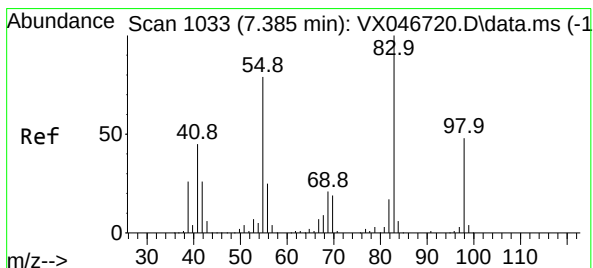
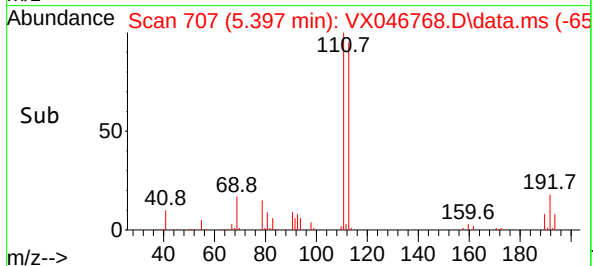
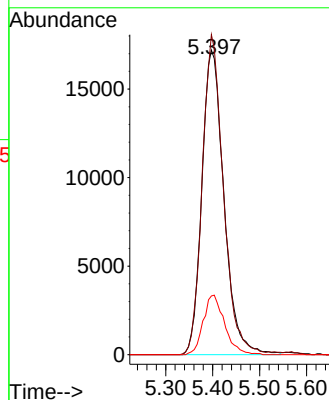
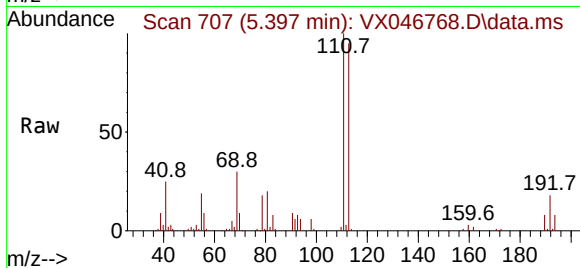
192 18.9 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#39

Methylcyclohexane

Concen: 1028.684 ug/l

RT: 7.391 min Scan# 1034

Delta R.T. 0.006 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

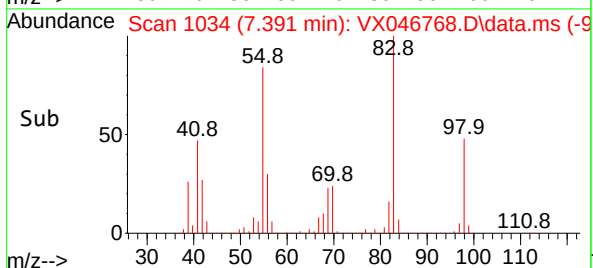
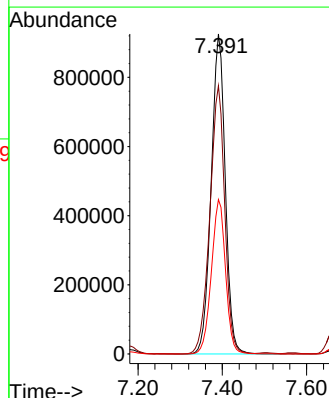
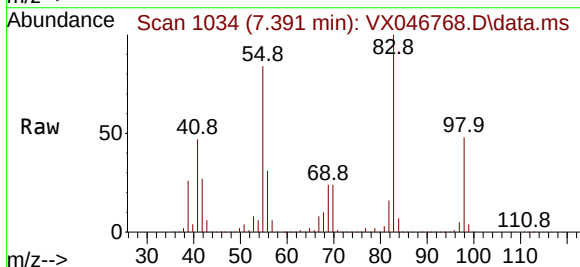
Tgt Ion: 83 Resp: 2150867

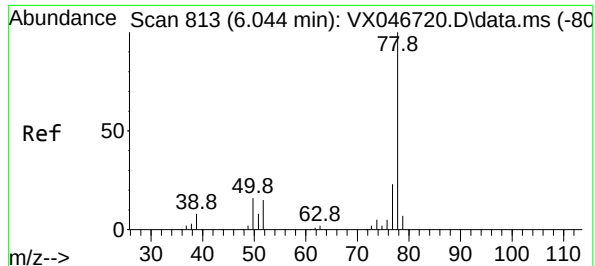
Ion Ratio Lower Upper

83 100

55 83.8 63.0 94.4

98 48.3 38.8 58.2





#40

Benzene

Concen: 1.823 ug/l

RT: 6.050 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

GCAP1W

Tgt Ion: 78 Resp: 857

Ion Ratio Lower Upper

78 100

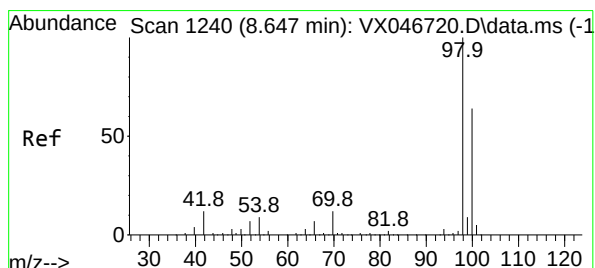
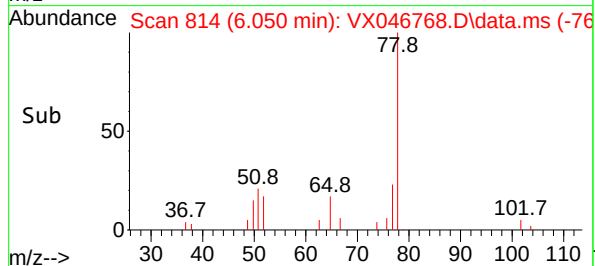
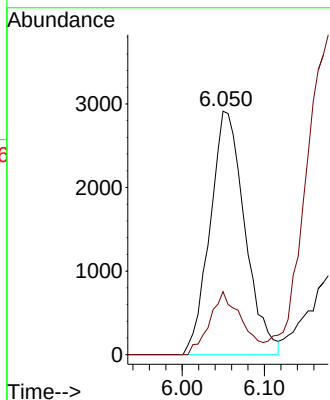
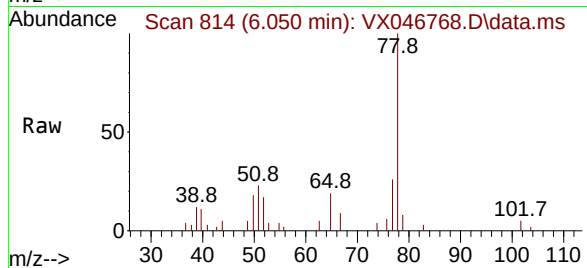
77 25.9 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#50

Toluene-d8

Concen: 50.913 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046768.D

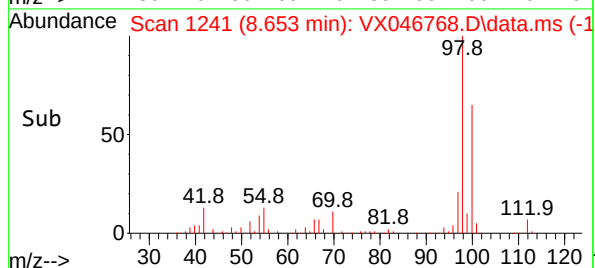
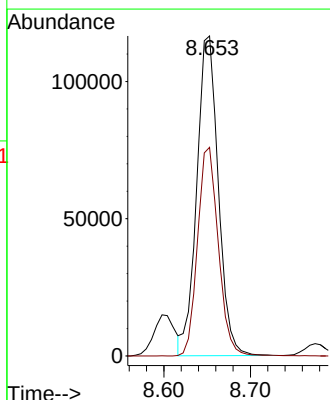
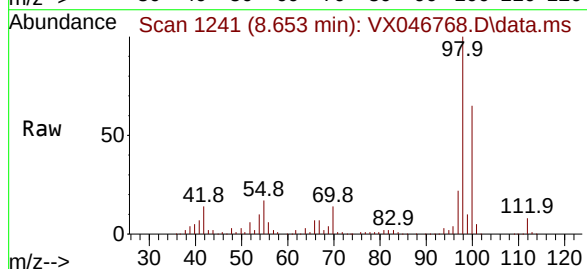
Acq: 19 Jun 2025 13:36

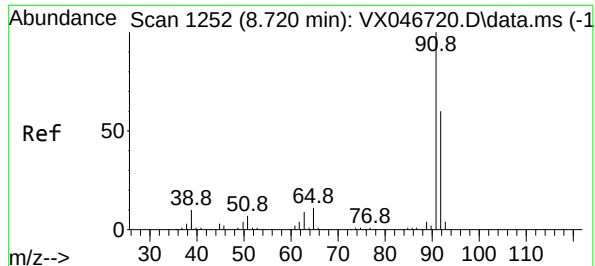
Tgt Ion: 98 Resp: 201338

Ion Ratio Lower Upper

98 100

100 63.0 53.0 79.4





#52

Toluene

Concen: 6.677 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

GCAP1W

Tgt Ion: 92 Resp: 1946

Ion Ratio Lower Upper

92 100

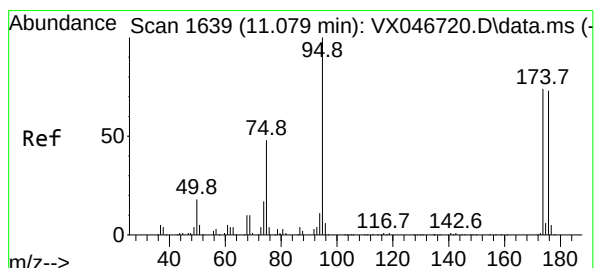
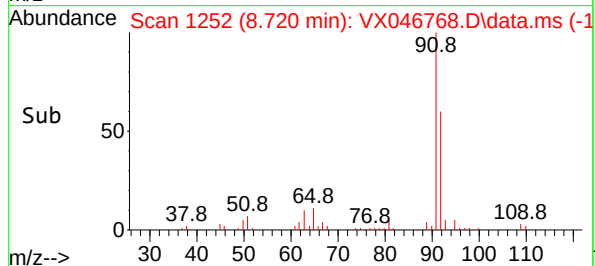
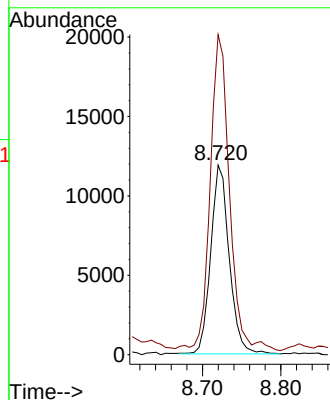
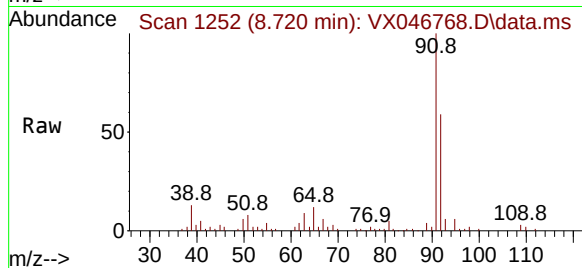
91 175.3 134.8 202.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#62

4-Bromofluorobenzene

Concen: 51.631 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

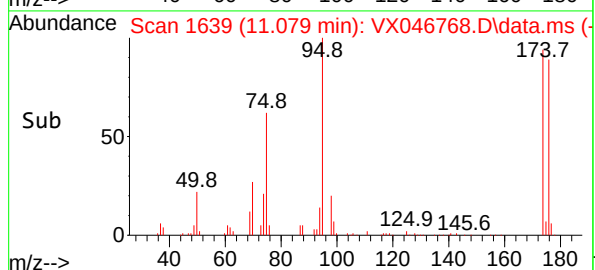
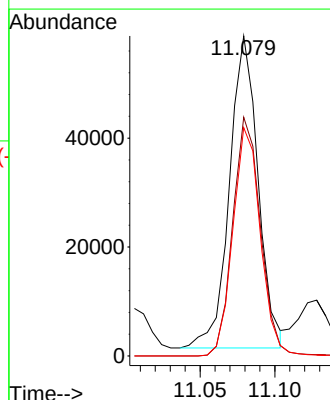
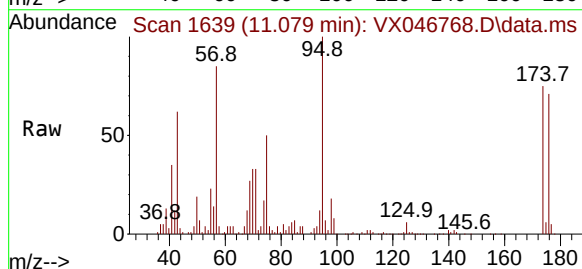
Tgt Ion: 95 Resp: 76110

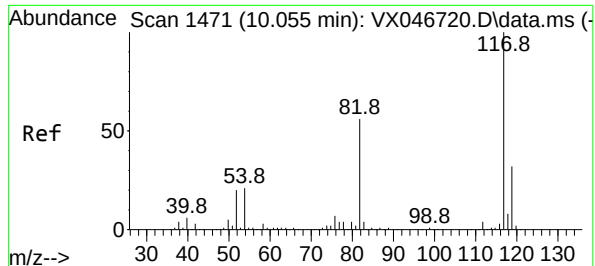
Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

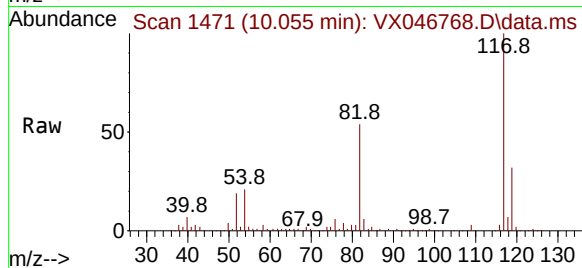
176 70.8 0.0 145.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

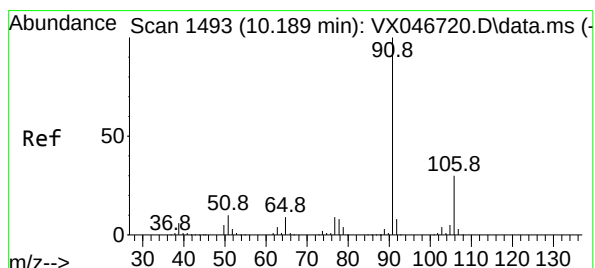
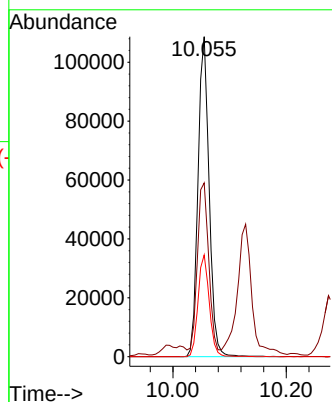
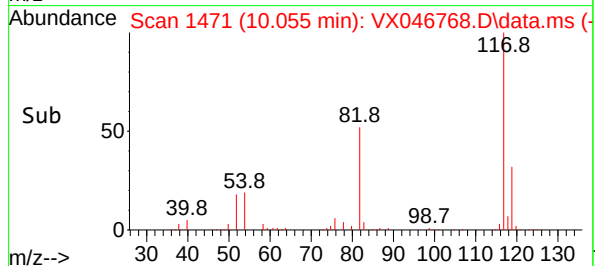
Instrument :
MSVOA_X
ClientSampleId :
GCAP1W



Tgt Ion:117 Resp: 147962
Ion Ratio Lower Upper
117 100
82 53.0 44.6 66.8
119 31.8 25.8 38.8

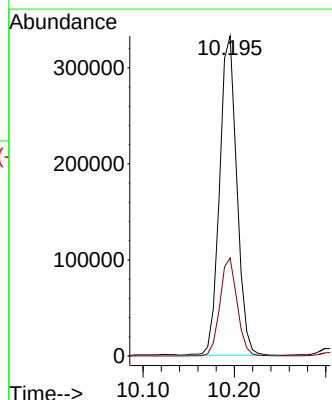
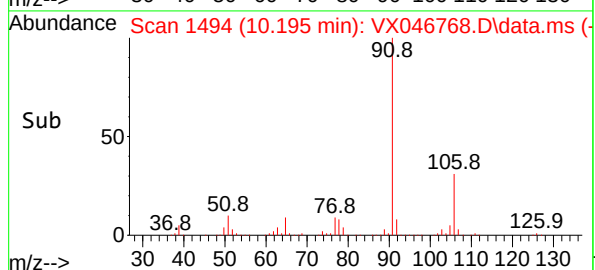
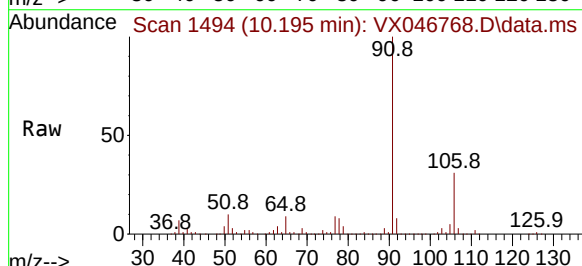
Manual Integrations
APPROVED

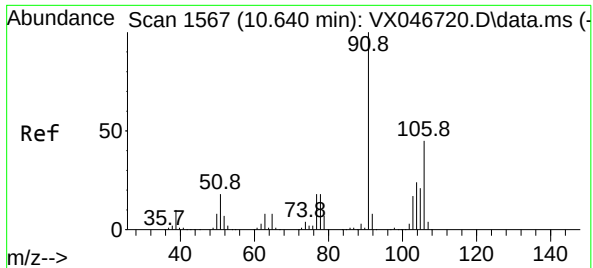
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#67
Ethyl Benzene
Concen: 76.465 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Tgt Ion: 91 Resp: 436377
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2





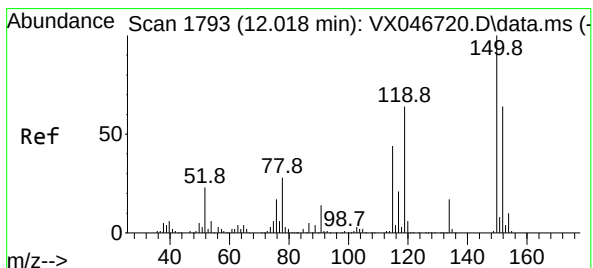
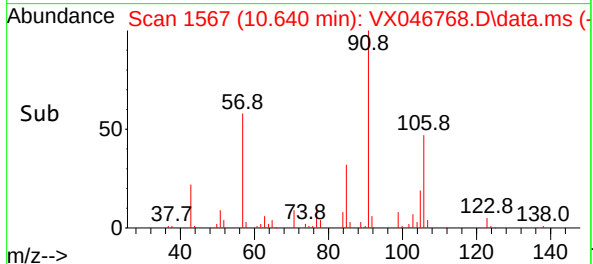
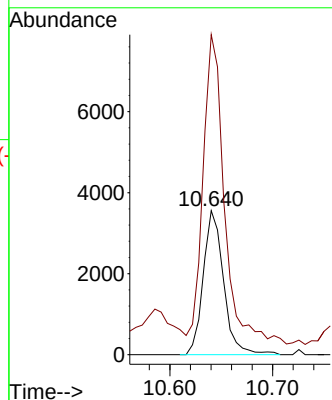
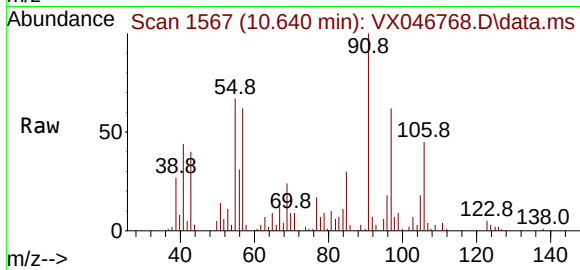
#69
o-Xylene
Concen: 2.460 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Tgt Ion:106 Resp: 490
Ion Ratio Lower Upper
106 100
91 226.7 111.3 333.9

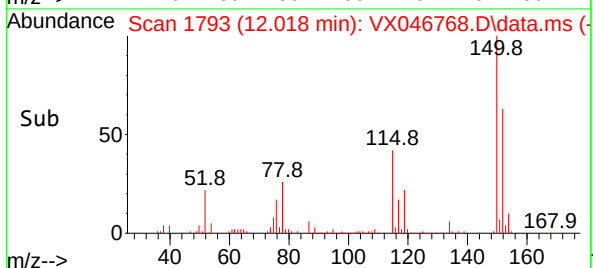
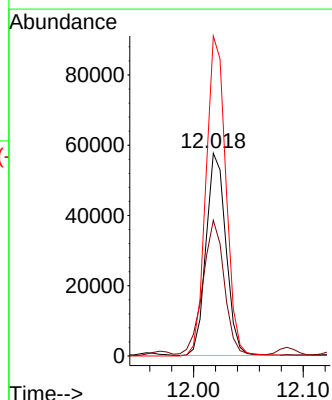
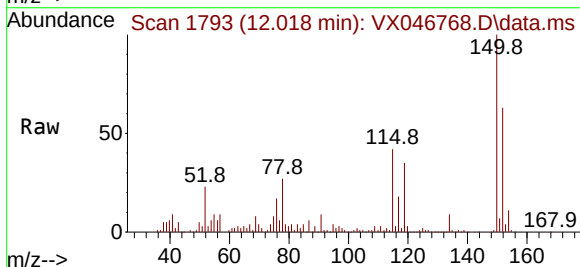
Manual Integrations
APPROVED

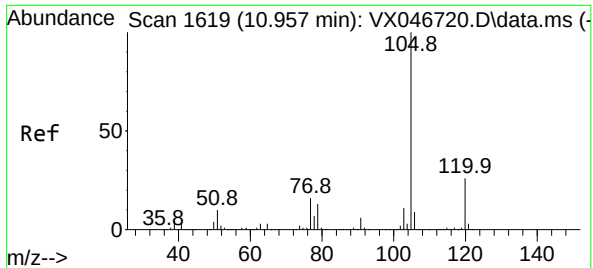
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Tgt Ion:152 Resp: 72498
Ion Ratio Lower Upper
152 100
115 71.1 43.2 129.6
150 158.7 0.0 346.8





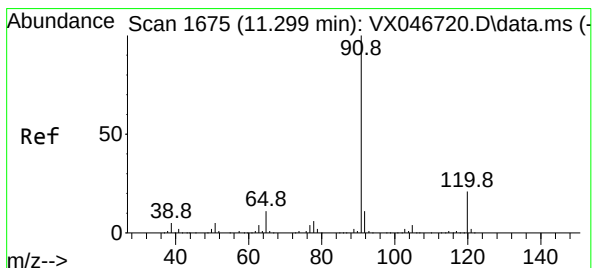
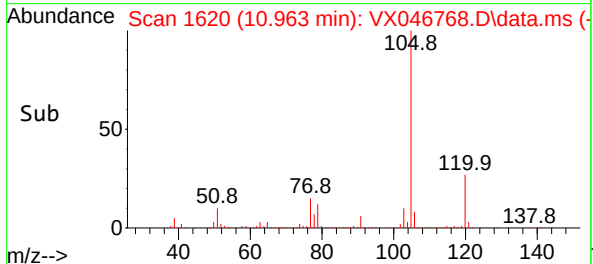
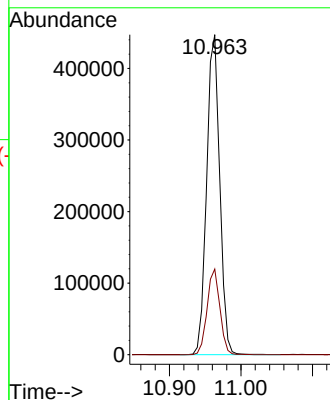
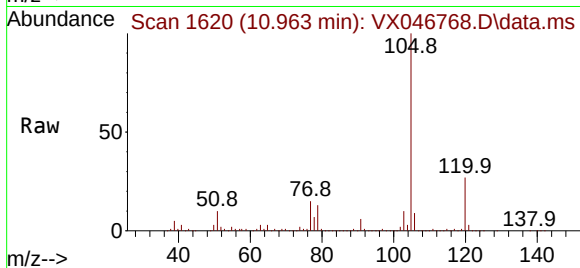
#73
Isopropylbenzene
Concen: 106.299 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Tgt Ion:105 Resp: 56758
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0

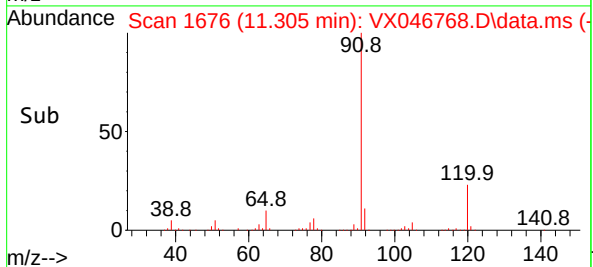
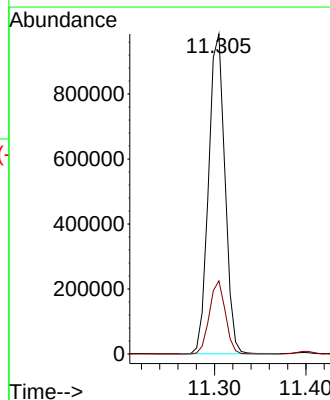
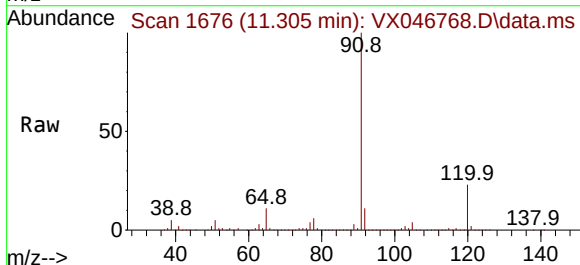
Manual Integrations
APPROVED

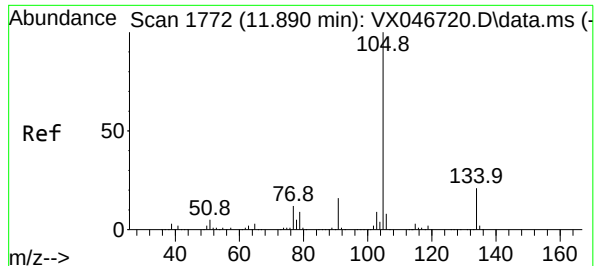
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#78
n-propylbenzene
Concen: 192.578 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046768.D
Acq: 19 Jun 2025 13:36

Tgt Ion: 91 Resp: 1221331
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.1





#85

sec-Butylbenzene

Concen: 23.927 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

GCAP1W

Tgt Ion:105 Resp: 13715

Ion Ratio Lower Upper

105 100

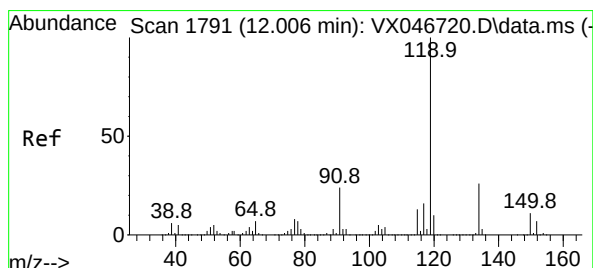
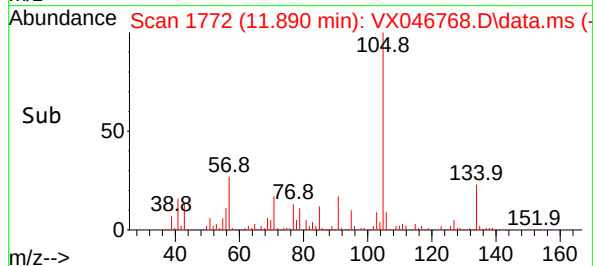
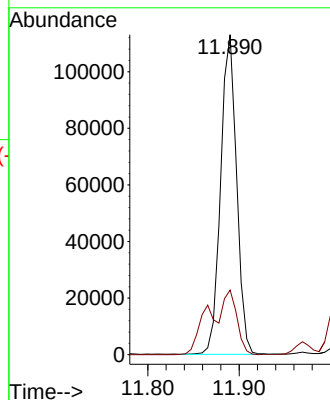
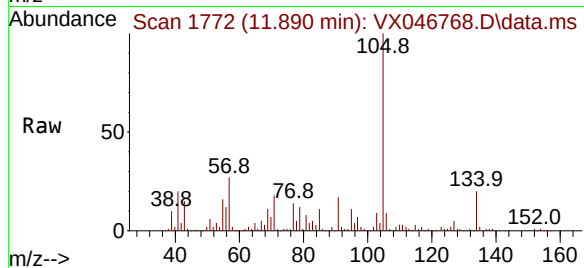
134 17.5 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#86

p-Isopropyltoluene

Concen: 20.810 ug/l m

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

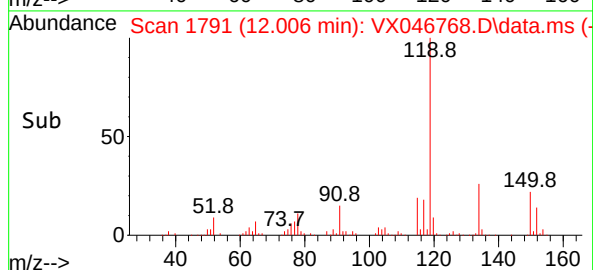
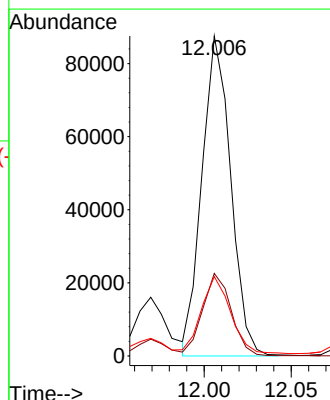
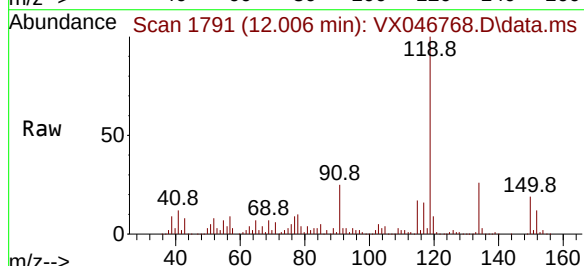
Tgt Ion:119 Resp: 100644

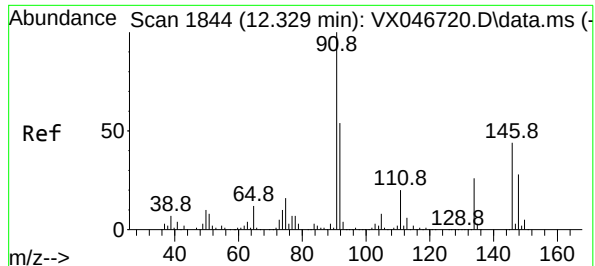
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.7 12.3 36.9





#89

n-Butylbenzene

Concen: 23.942 ug/l m

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

GCAP1W

Tgt Ion: 91 Resp: 10994

Ion Ratio Lower Upper

91 100

92 59.4 27.1 81.3

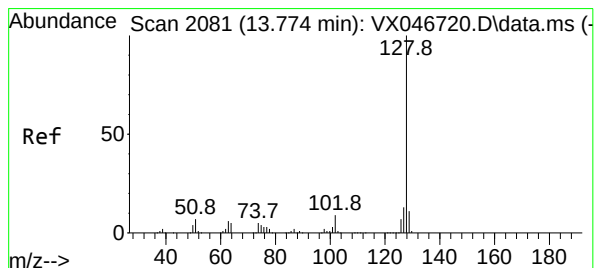
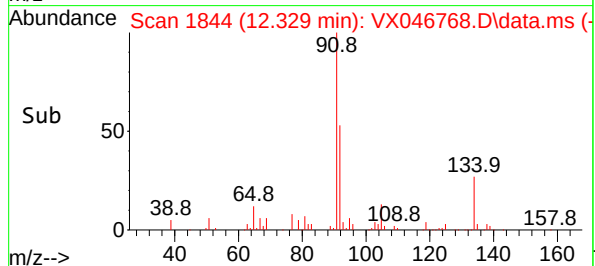
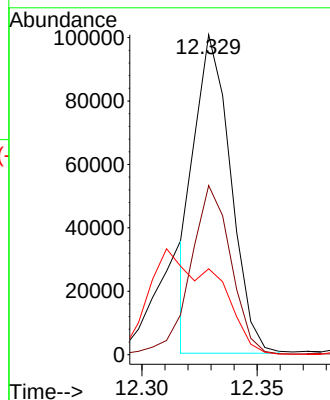
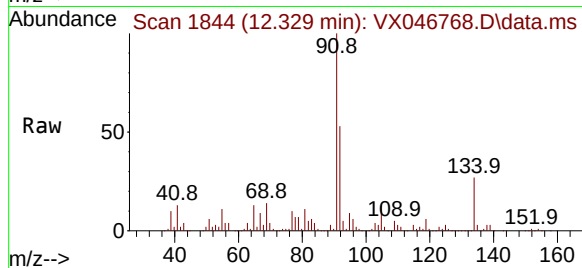
134 62.1 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#95

Naphthalene

Concen: 1.821 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046768.D

Acq: 19 Jun 2025 13:36

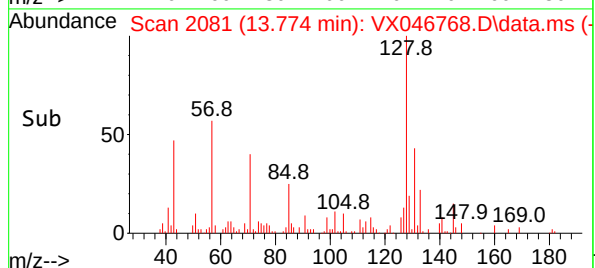
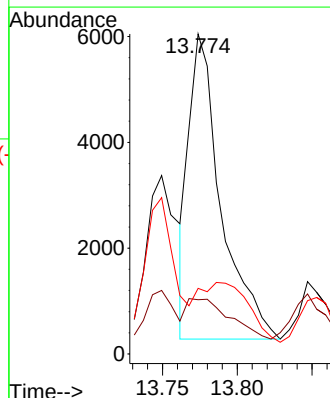
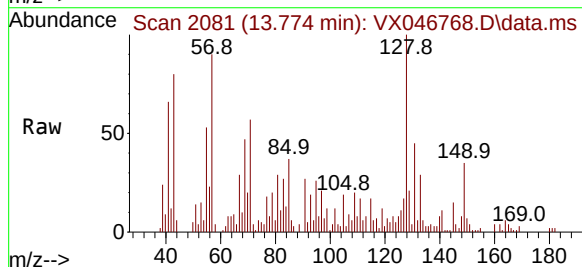
Tgt Ion:128 Resp: 8636

Ion Ratio Lower Upper

128 100

127 18.6 10.1 15.1#

129 30.1 8.7 13.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046768.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.770	106	112	139	rBV	2815124	4695567	28.95%	3.186%
2	1.971	139	145	169	rVV	2675203	4419709	27.25%	2.999%
3	2.233	182	188	201	rBV	145369	261305	1.61%	0.177%
4	2.800	274	281	283	rBV	511408	1033323	6.37%	0.701%
5	2.843	283	288	292	rBV	1621110	3121004	19.25%	2.118%
6	3.117	323	333	360	rVB	1393928	3538904	21.82%	2.402%
7	3.337	360	369	380	rBV	184760	455311	2.81%	0.309%
8	3.465	380	390	405	rBV	1420390	3577831	22.06%	2.428%
9	3.745	426	436	447	rBV	649432	1724511	10.63%	1.170%
10	3.855	447	454	463	rVV	176112	432129	2.66%	0.293%
11	4.117	484	497	508	rBV	234525	698312	4.31%	0.474%
12	4.324	520	531	545	rBV	5261173	16217185	100.00%	11.005%
13	5.208	649	676	696	rBV	712412	2528333	15.59%	1.716%
14	5.489	710	722	738	rVV2	3213811	12068907	74.42%	8.190%
15	5.629	739	745	767	rVB3	336748	1400746	8.64%	0.951%
16	5.842	767	780	794	rBV4	777338	2808344	17.32%	1.906%
17	6.172	819	834	843	rBV	988504	3389446	20.90%	2.300%
18	6.269	843	850	858	rVV2	1016507	3039401	18.74%	2.063%
19	6.367	858	866	881	rVV	1394111	4136974	25.51%	2.807%
20	6.617	897	907	924	rVB	435061	1134479	7.00%	0.770%
21	6.818	924	940	943	rBV2	461890	1598067	9.85%	1.084%
22	6.860	944	947	961	rVB4	505621	1193050	7.36%	0.810%
23	7.177	988	999	1009	rBV	428503	1068029	6.59%	0.725%
24	7.391	1019	1034	1047	rBV	4769170	12032193	74.19%	8.165%
25	7.659	1071	1078	1090	rVB	698154	1424446	8.78%	0.967%
26	7.781	1090	1098	1105	rBV	339301	710764	4.38%	0.482%
27	7.860	1105	1111	1112	rVV	205380	333952	2.06%	0.227%
28	7.885	1112	1115	1121	rVV	268560	505503	3.12%	0.343%
29	7.958	1121	1127	1144	rVB3	558045	1362434	8.40%	0.925%
30	8.147	1144	1158	1162	rBV	1061819	2157604	13.30%	1.464%
31	8.196	1162	1166	1174	rVV2	431892	868288	5.35%	0.589%
32	8.275	1174	1179	1183	rVV	473047	848892	5.23%	0.576%
33	8.317	1183	1186	1194	rVB3	286521	527608	3.25%	0.358%
34	8.439	1201	1206	1211	rBV	277056	483772	2.98%	0.328%
35	8.506	1211	1217	1226	rVB2	905709	1652572	10.19%	1.121%
36	8.604	1226	1233	1237	rBV3	917171	1888130	11.64%	1.281%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

37	8.775	1255	1261	1265	rBV	382441	627170	3.87%	0.426%
38	8.817	1265	1268	1270	rVV	186471	271825	1.68%	0.184%
39	8.848	1270	1273	1280	rVB	317347	509765	3.14%	0.346%
40	8.927	1280	1286	1289	rBV	185477	306873	1.89%	0.208%
41	8.976	1289	1294	1306	rVB3	677281	1302940	8.03%	0.884%
42	9.104	1306	1315	1320	rBV2	399455	777449	4.79%	0.528%
43	9.159	1320	1324	1329	rBV2	367975	599412	3.70%	0.407%
44	9.384	1356	1361	1365	rBV2	213607	328297	2.02%	0.223%
45	9.506	1376	1381	1386	rVV3	343113	725720	4.48%	0.492%
46	9.561	1386	1390	1394	rVV	573439	845671	5.21%	0.574%
47	9.616	1394	1399	1404	rVV2	627960	1078709	6.65%	0.732%
48	9.762	1417	1423	1428	rBV2	217627	356560	2.20%	0.242%
49	9.829	1428	1434	1438	rBV3	231951	493208	3.04%	0.335%
50	9.903	1442	1446	1450	rVB	207055	264024	1.63%	0.179%
51	10.006	1459	1463	1467	rVB	255650	350791	2.16%	0.238%
52	10.055	1467	1471	1475	rVV	318264	412712	2.54%	0.280%
53	10.128	1475	1483	1486	rVV2	261073	536296	3.31%	0.364%
54	10.195	1486	1494	1499	rVV	794554	1269314	7.83%	0.861%
55	10.274	1499	1507	1511	rVV	263764	537523	3.31%	0.365%
56	10.317	1511	1514	1517	rVV	242334	344367	2.12%	0.234%
57	10.354	1517	1520	1532	rVB3	149383	321831	1.98%	0.218%
58	10.585	1551	1558	1566	rBV4	302250	607529	3.75%	0.412%
59	10.780	1582	1590	1594	rBV2	644657	1021027	6.30%	0.693%
60	10.854	1594	1602	1606	rBV3	426314	676558	4.17%	0.459%
61	10.896	1606	1609	1614	rVB	180549	251463	1.55%	0.171%
62	10.963	1614	1620	1624	rBV	1090884	1477562	9.11%	1.003%
63	11.079	1634	1639	1642	rBV2	438079	606254	3.74%	0.411%
64	11.122	1642	1646	1650	rVB2	163761	330562	2.04%	0.224%
65	11.189	1650	1657	1659	rBV2	214819	344768	2.13%	0.234%
66	11.219	1659	1662	1667	rVB3	308677	398456	2.46%	0.270%
67	11.305	1671	1676	1680	rBV	1952148	2477343	15.28%	1.681%
68	11.390	1686	1690	1693	rBV3	211478	301613	1.86%	0.205%
69	11.427	1693	1696	1701	rVV	254178	349676	2.16%	0.237%
70	11.610	1722	1726	1734	rVB	664011	992715	6.12%	0.674%
71	11.713	1740	1743	1746	rBV	381575	399092	2.46%	0.271%
72	11.866	1764	1768	1769	rVV	241067	346914	2.14%	0.235%
73	11.890	1769	1772	1776	rVV	473717	653760	4.03%	0.444%
74	11.939	1776	1780	1783	rVV	292166	438815	2.71%	0.298%
75	12.018	1788	1793	1799	rVV4	455190	978131	6.03%	0.664%
76	12.079	1799	1803	1811	rVV3	201604	549657	3.39%	0.373%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

77	12.170	1815	1818	1825	rVB3	218146	328657	2.03%	0.223%
78	12.244	1825	1830	1836	rBV	3462610	4359369	26.88%	2.958%
79	12.311	1836	1841	1848	rBV2	536250	1033395	6.37%	0.701%
80	12.402	1848	1856	1862	rBV2	242044	500104	3.08%	0.339%
81	12.463	1862	1866	1872	rVB2	252674	388408	2.40%	0.264%
82	12.609	1886	1890	1893	rVV	1745844	2150453	13.26%	1.459%
83	12.640	1893	1895	1899	rVV	578553	682719	4.21%	0.463%
84	12.695	1899	1904	1912	rVB2	1479599	2296626	14.16%	1.559%
85	12.890	1931	1936	1937	rBV2	212134	293474	1.81%	0.199%
86	12.920	1937	1941	1947	rVB	1124320	1404008	8.66%	0.953%
87	13.024	1954	1958	1964	rVB4	184405	373451	2.30%	0.253%
88	13.164	1978	1981	1991	rVB	832282	1130332	6.97%	0.767%
89	13.286	1992	2001	2007	rBV2	2338796	3447765	21.26%	2.340%
90	13.378	2012	2016	2020	rVV2	132756	251871	1.55%	0.171%
91	13.420	2020	2023	2032	rVB5	239371	464135	2.86%	0.315%
92	13.506	2032	2037	2039	rBV2	174713	238245	1.47%	0.162%
93	13.542	2039	2043	2046	rVV	242950	301406	1.86%	0.205%
94	13.579	2046	2049	2053	rVV2	324782	451492	2.78%	0.306%
95	13.664	2060	2063	2068	rVV2	293925	453534	2.80%	0.308%
96	13.841	2088	2092	2098	rVB2	189388	285762	1.76%	0.194%
97	13.926	2098	2106	2110	rBV4	137720	271606	1.67%	0.184%
98	14.073	2125	2130	2133	rBV	171884	236065	1.46%	0.160%
99	14.213	2149	2153	2163	rVB2	207530	368495	2.27%	0.250%
100	14.780	2241	2246	2253	rBV	623689	850406	5.24%	0.577%

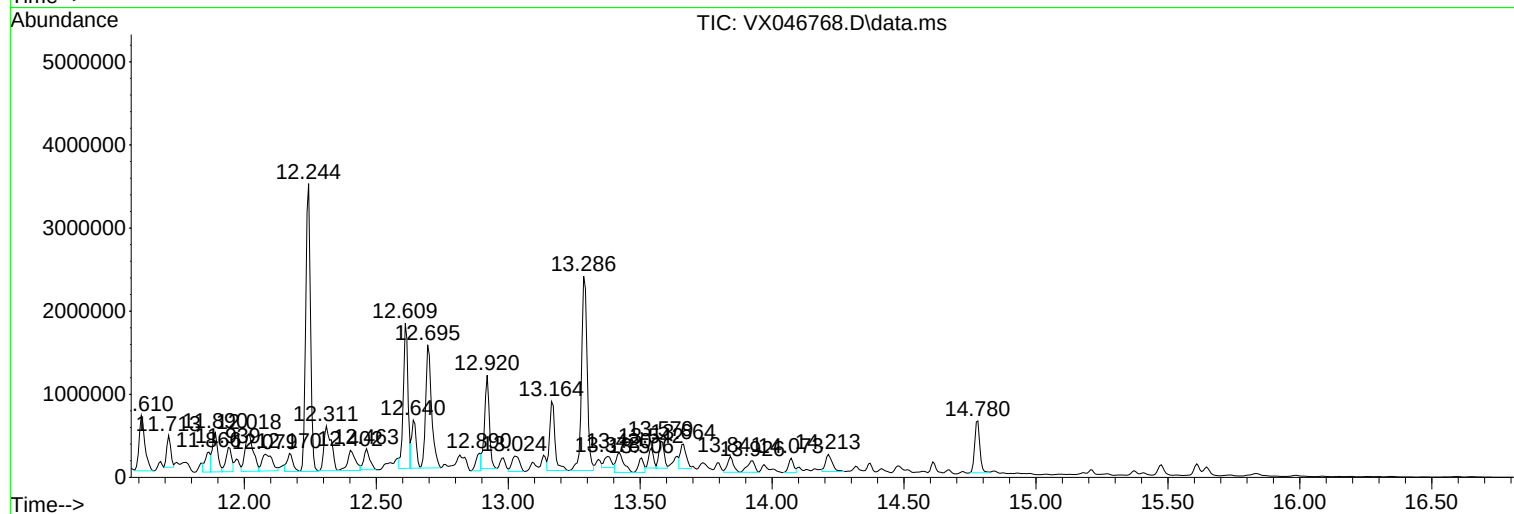
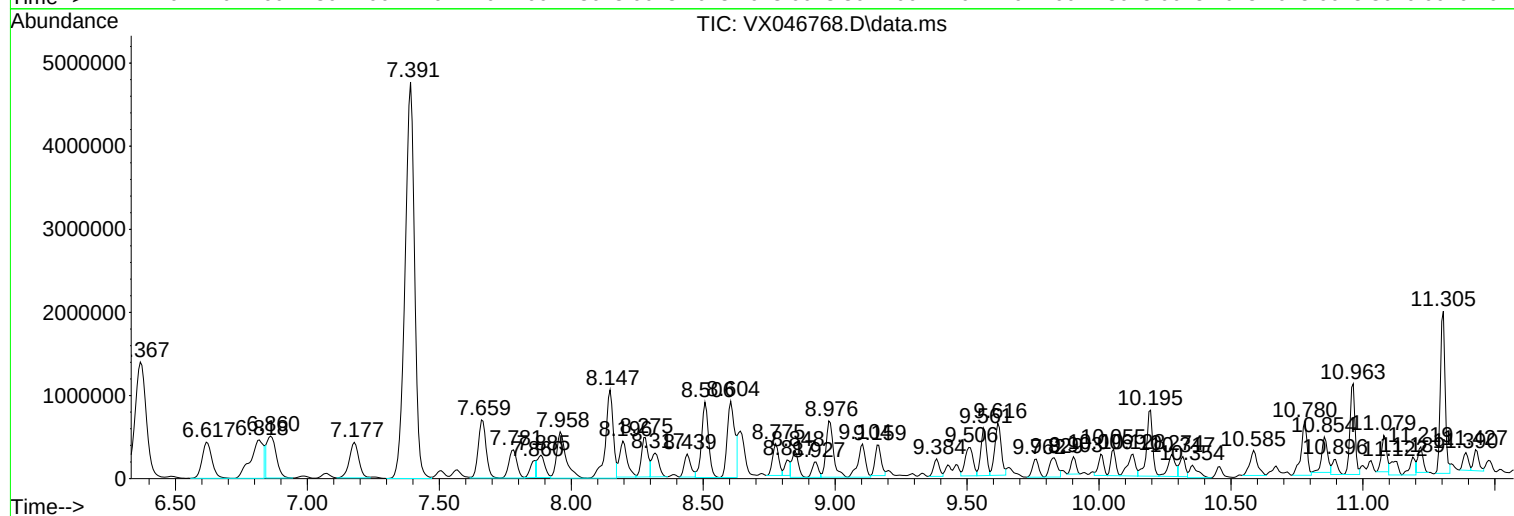
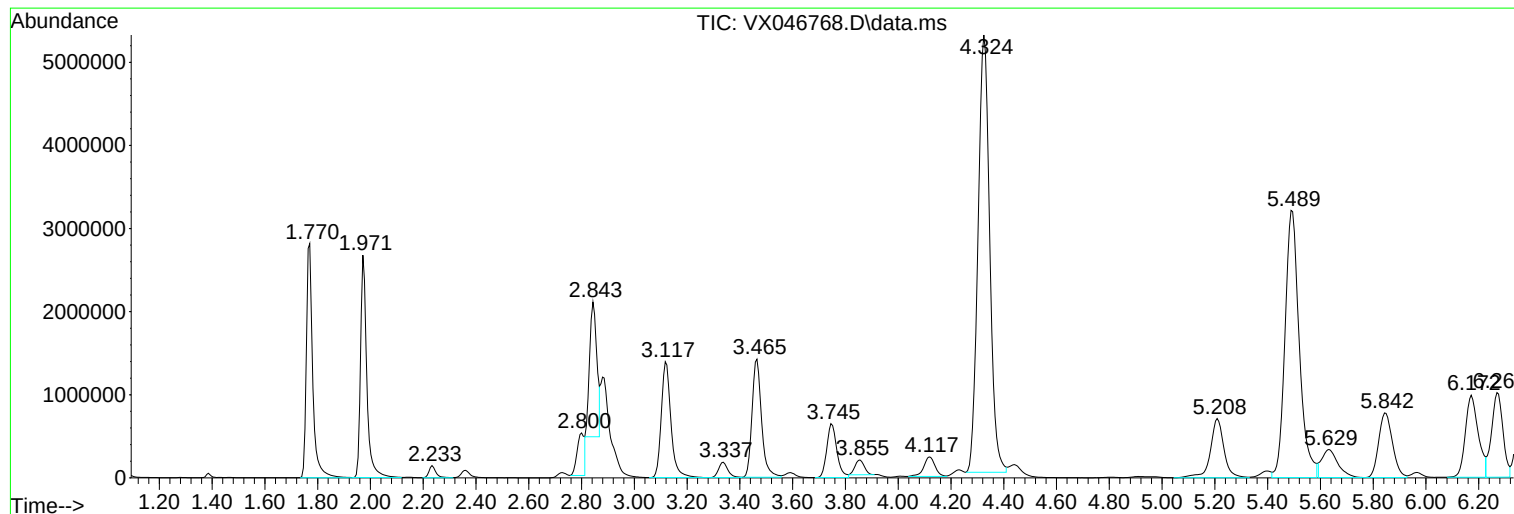
Sum of corrected areas: 147361155

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

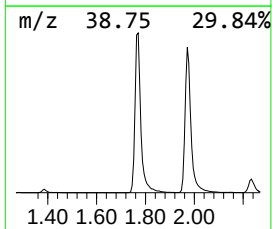
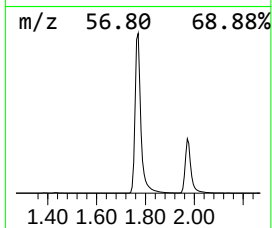
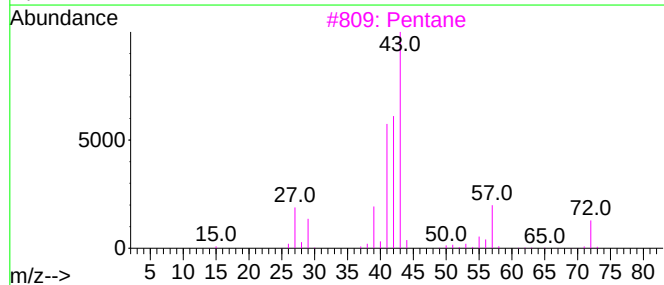
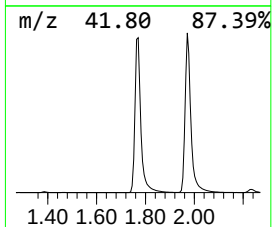
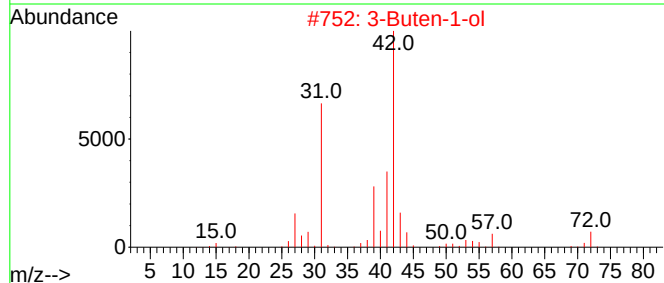
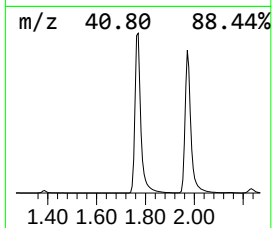
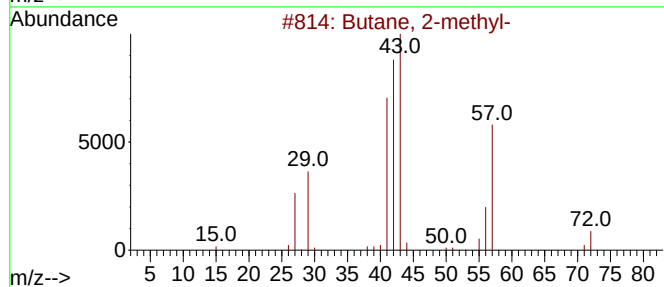
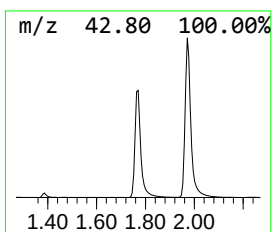
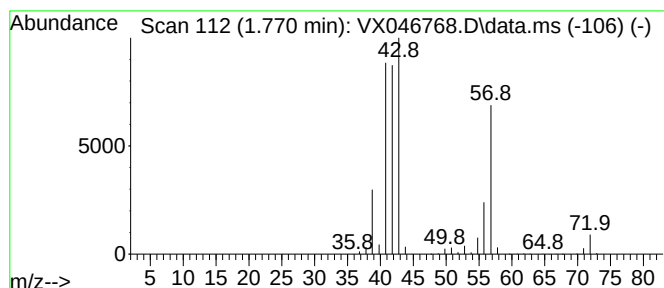
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.770	167.61 ug/l	4695570	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	91
2			3-Buten-1-ol	72	C4H8O	000627-27-0	47
3			Pentane	72	C5H12	000109-66-0	45
4			1-Butene	56	C4H8	000106-98-9	10
5			1-Propene, 2-methyl-	56	C4H8	000115-11-7	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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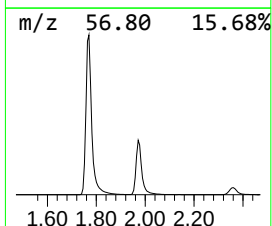
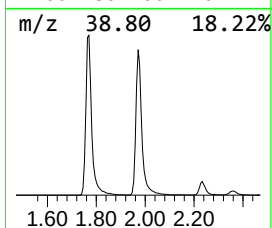
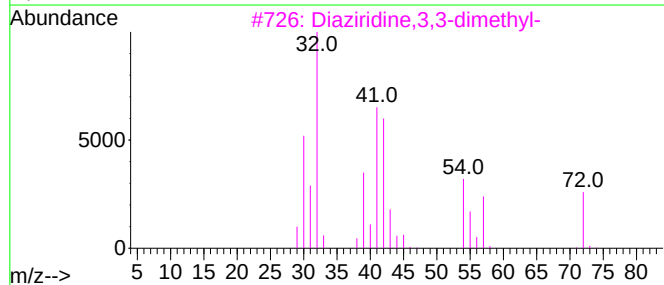
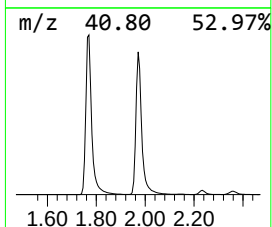
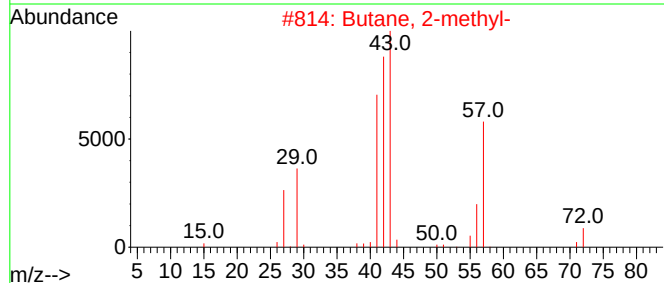
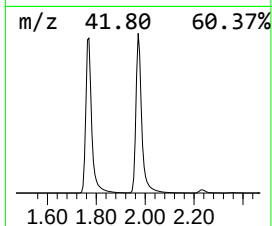
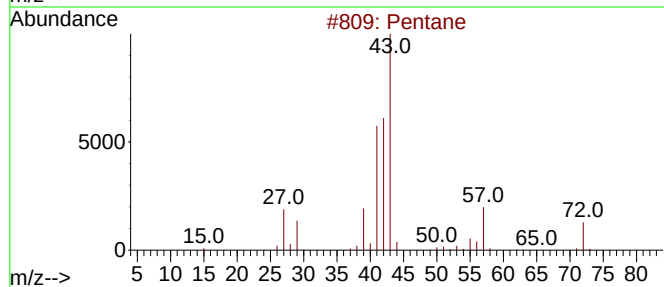
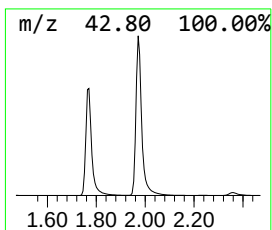
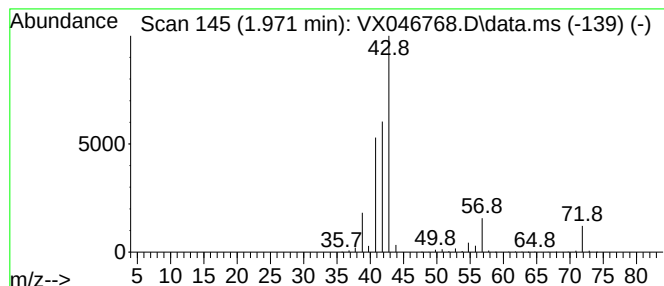
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Quant Title : SW846 8260

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

Peak Number 2 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.971	157.76 ug/l	4419710	Pentafluorobenzene	5.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane	72	C5H12	000109-66-0	91
2		Butane, 2-methyl-	72	C5H12	000078-78-4	50
3		Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	35
4		2-Propanone, hydrazone	72	C3H8N2	005281-20-9	9
5		Oxirane, ethyl-	72	C4H8O	000106-88-7	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GCAP1W

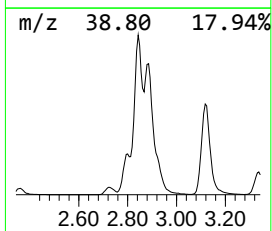
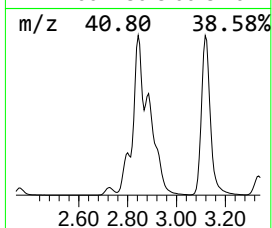
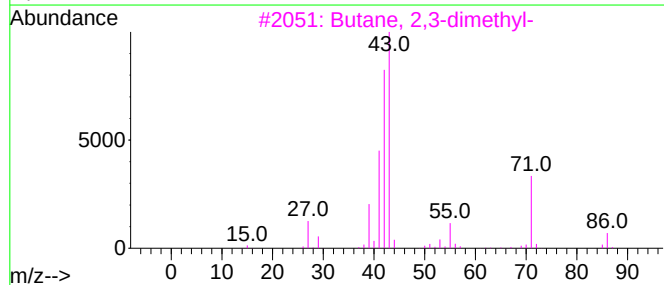
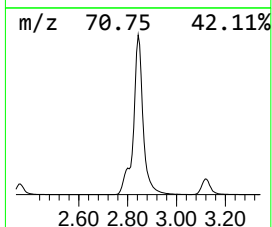
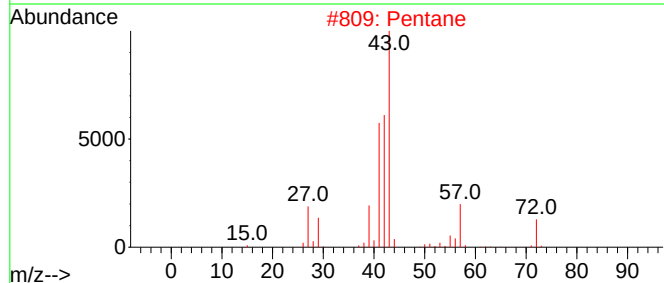
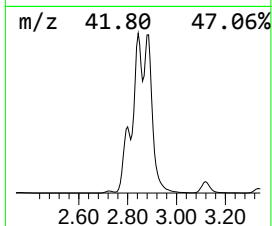
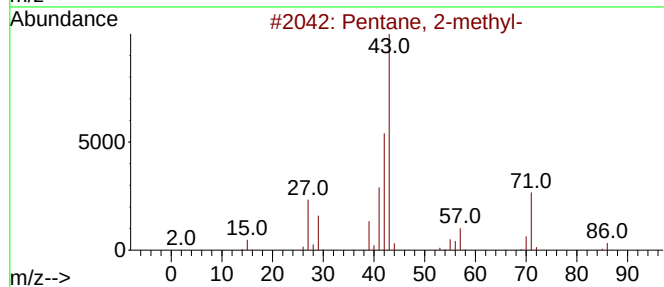
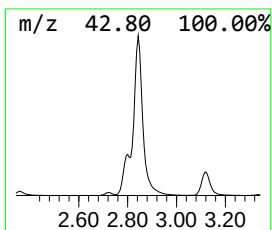
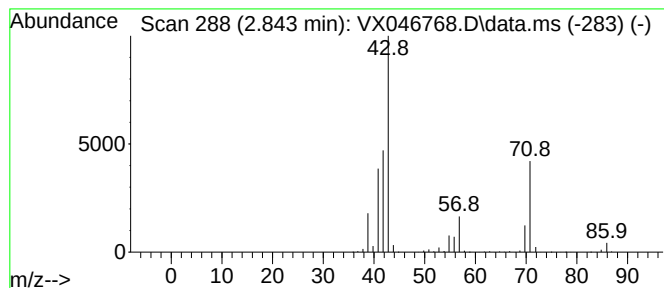
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Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.843	111.41 ug/l	3121000	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2			Pentane	72	C5H12	000109-66-0	46
3			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
4			1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	40
5			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

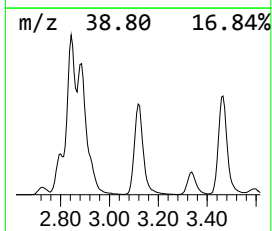
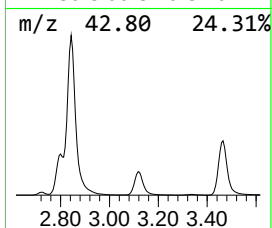
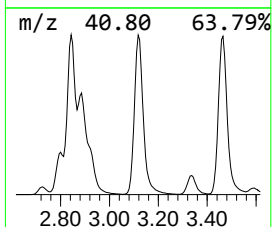
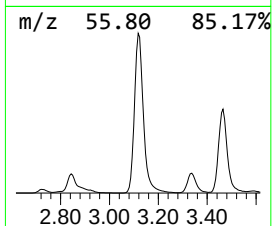
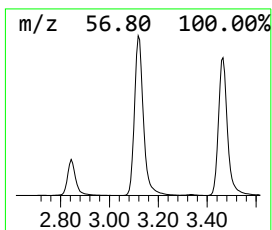
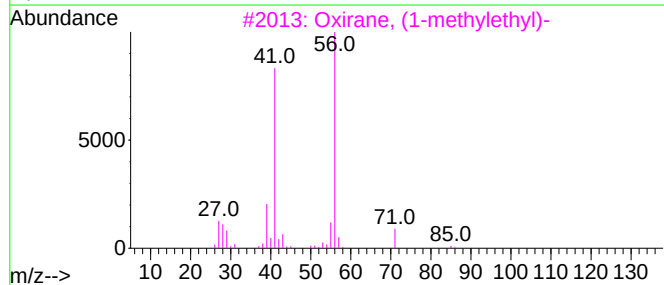
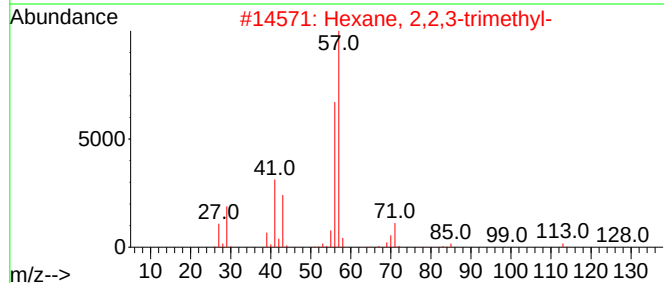
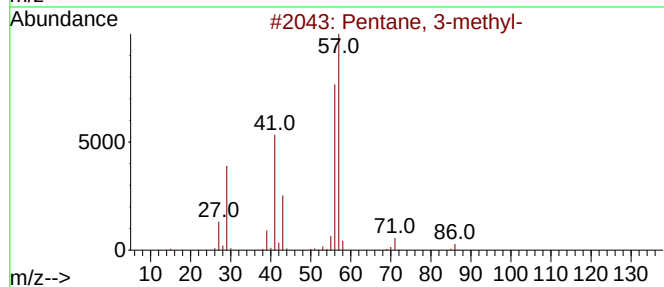
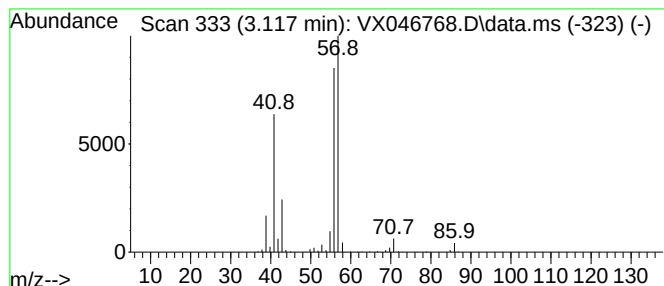
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Quant Title : SW846 8260

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

Peak Number 4 Pentane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.117	126.32 ug/l	3538900	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5			Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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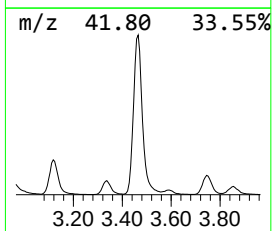
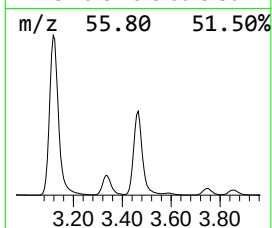
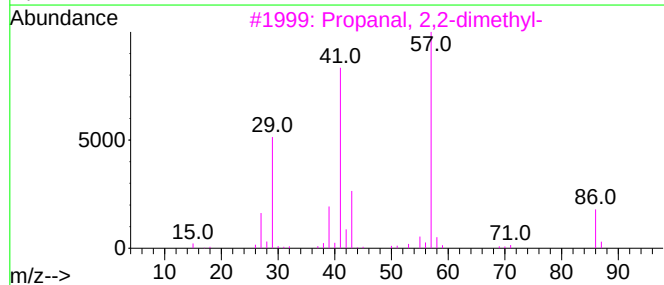
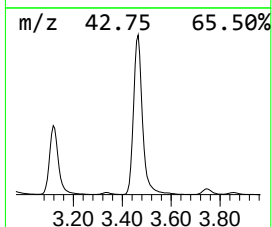
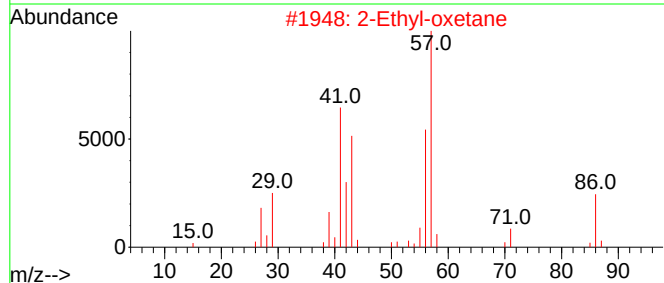
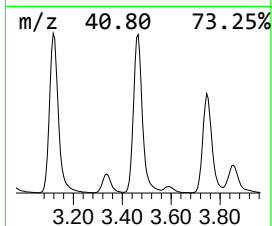
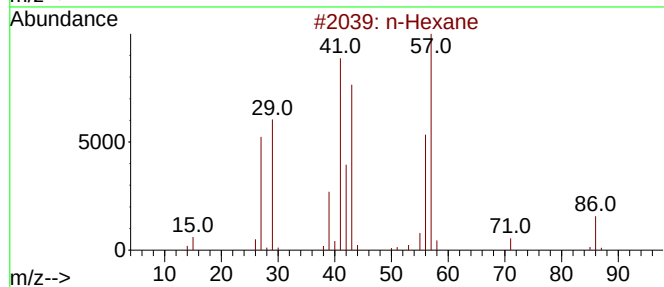
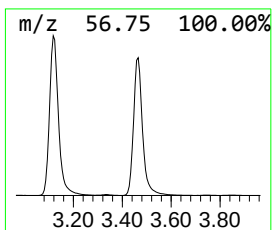
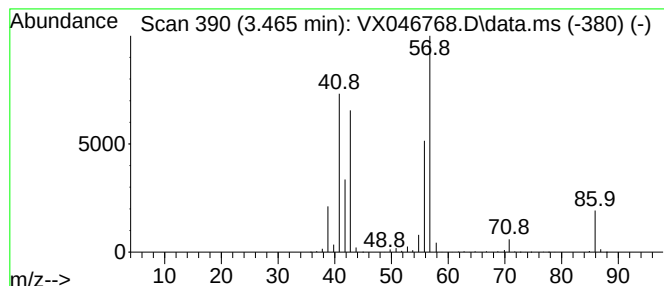
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Quant Title : SW846 8260

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

Peak Number 5 n-Hexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.465	127.71 ug/l	3577830	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexane	86	C6H14	000110-54-3	91
2			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	56
3			Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	43
4			Butanal, 2-methyl-	86	C5H10O	000096-17-3	43
5			Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

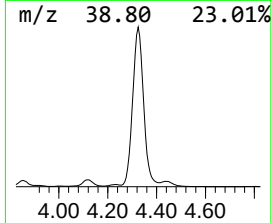
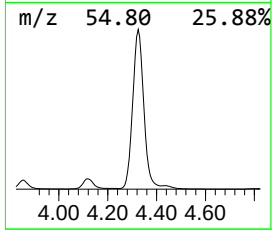
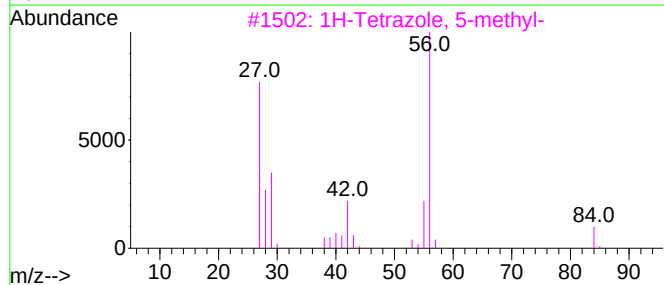
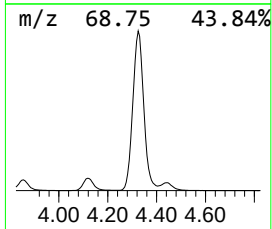
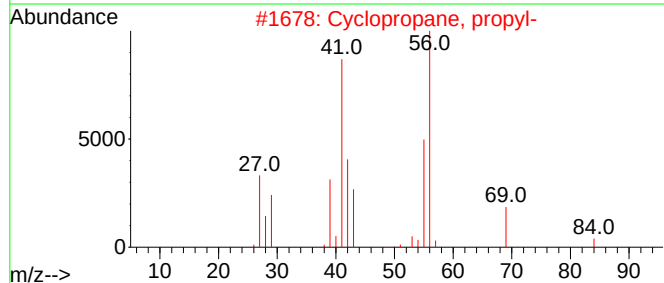
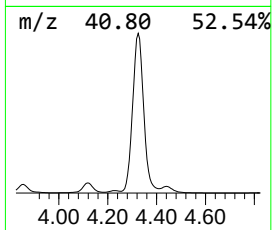
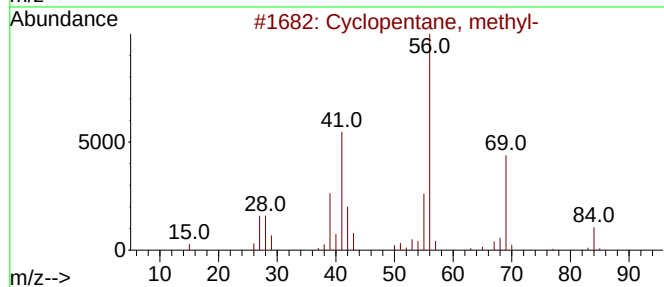
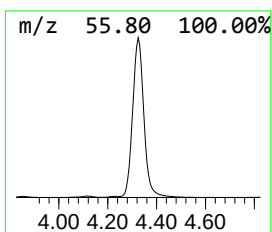
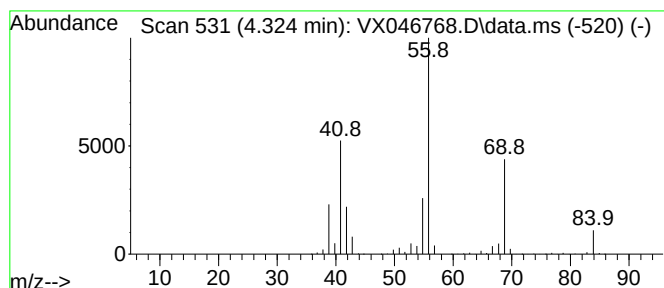
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.324	578.88 ug/l	16217200	Pentafluorobenzene	5.562	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclohexane	84	C6H12	000110-82-7	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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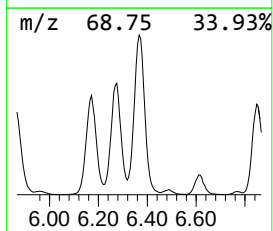
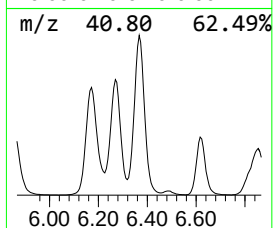
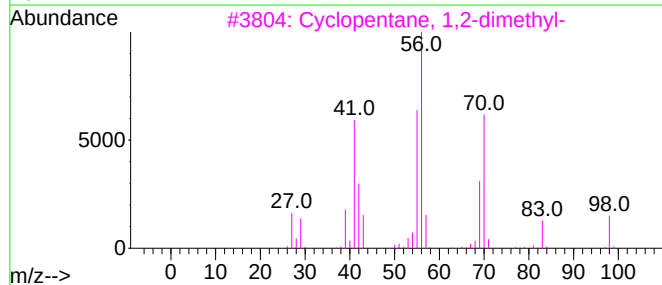
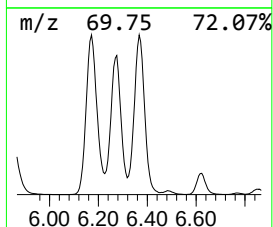
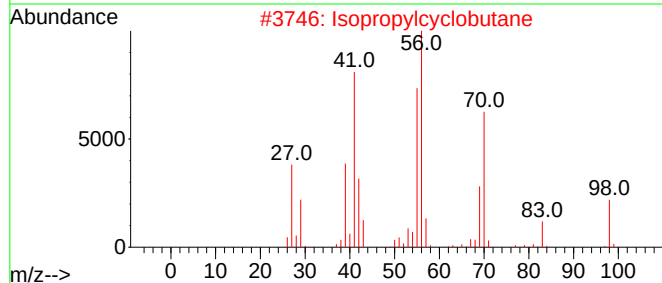
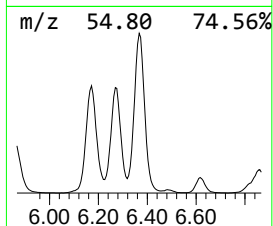
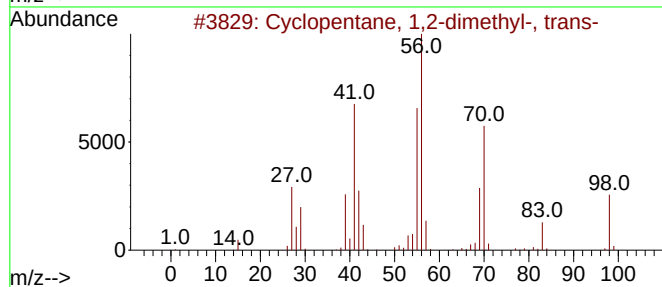
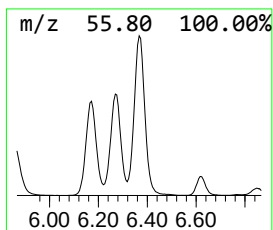
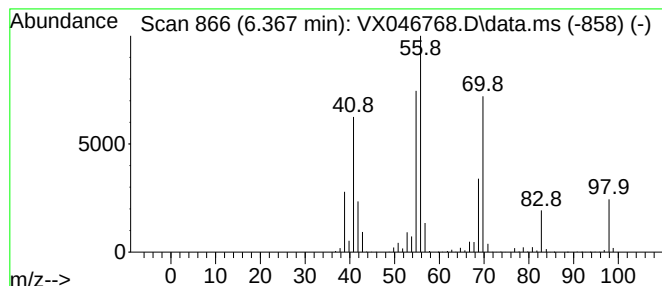
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Quant Title : SW846 8260

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

Peak Number 7 Cyclopentane, 1,2-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.367	129.44 ug/l	4136970	1,4-Difluorobenzene	6.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2			Isopropylcyclobutane	98	C7H14	000872-56-0	94
3			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GCAP1W

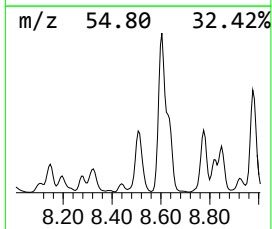
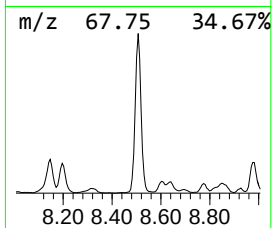
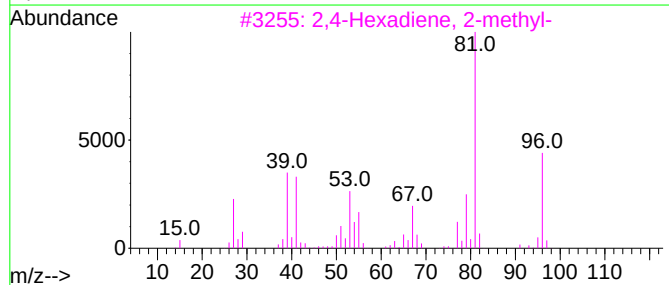
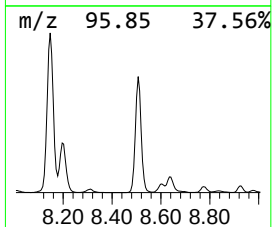
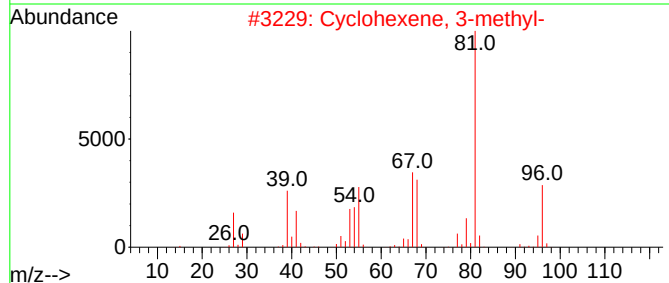
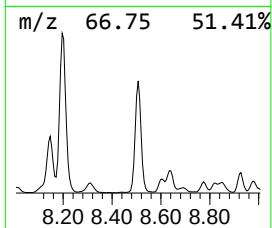
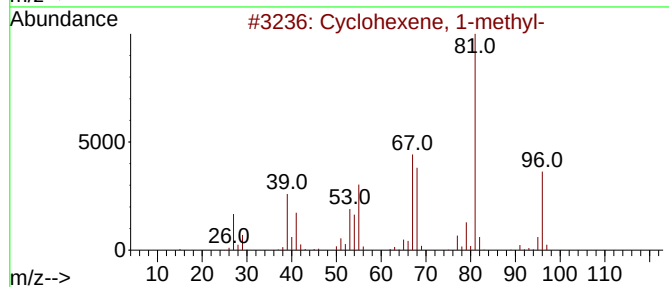
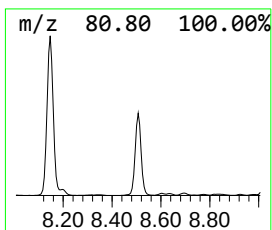
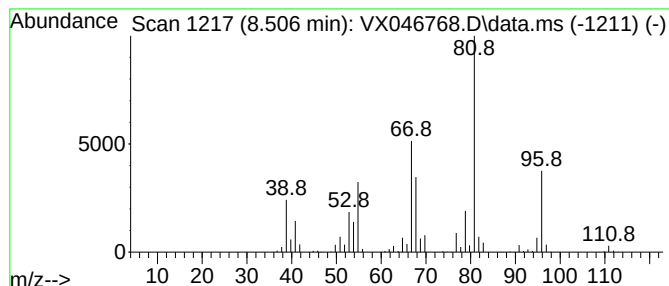
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.506	200.21 ug/l	1652570	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	94
3			2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	93
4			Cyclohexane, methylene-	96	C7H12	001192-37-6	87
5			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

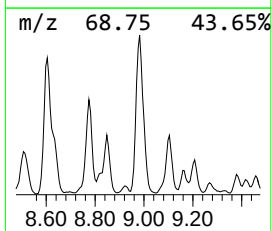
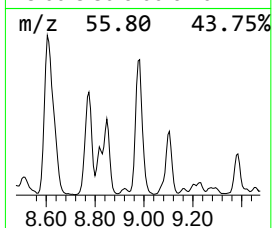
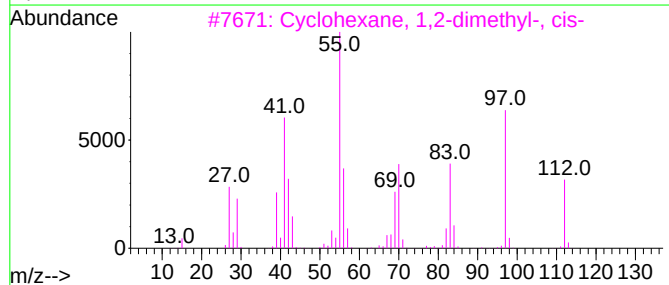
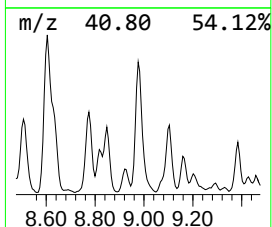
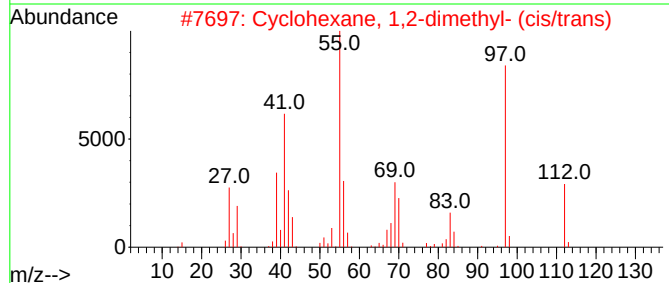
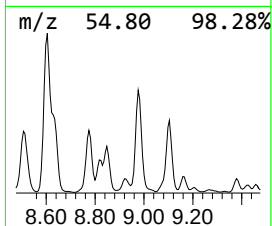
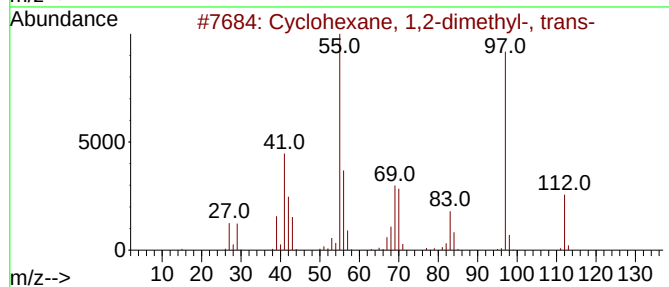
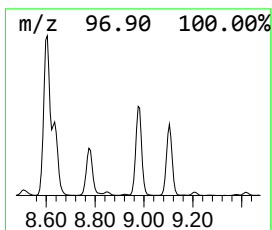
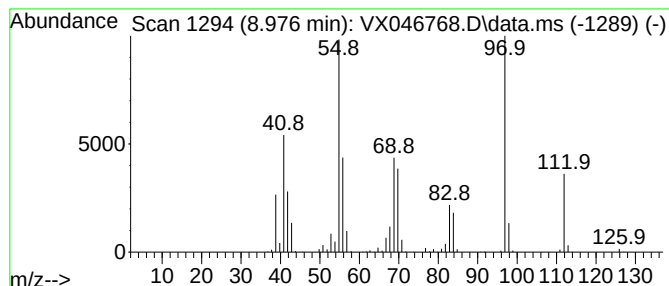
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.976	157.85 ug/l	1302940	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
3			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	80
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	74
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

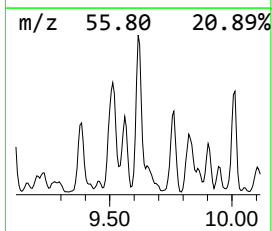
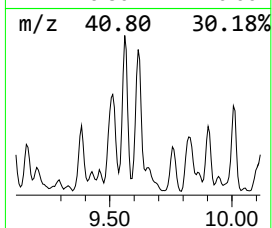
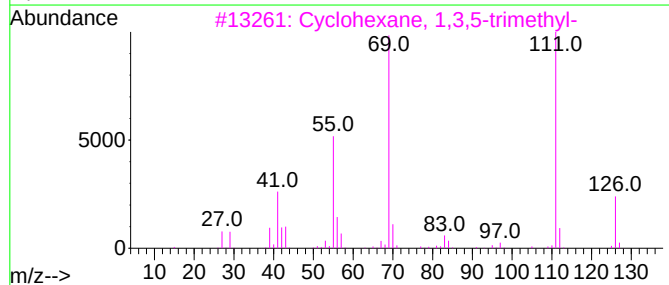
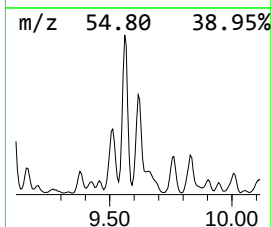
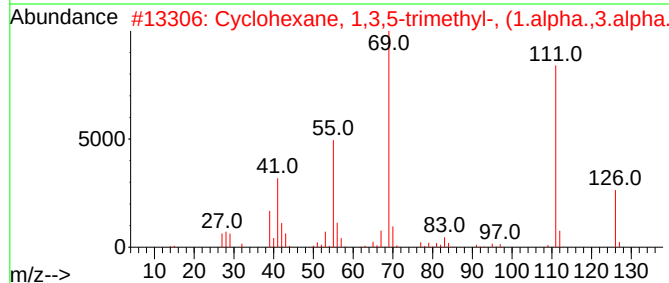
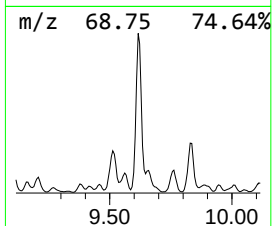
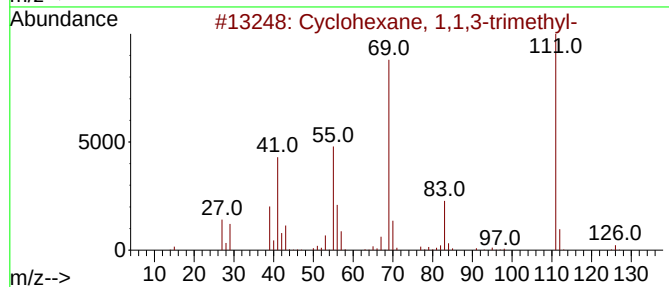
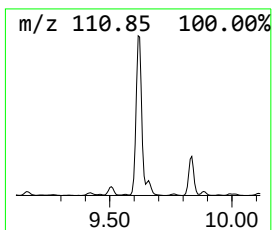
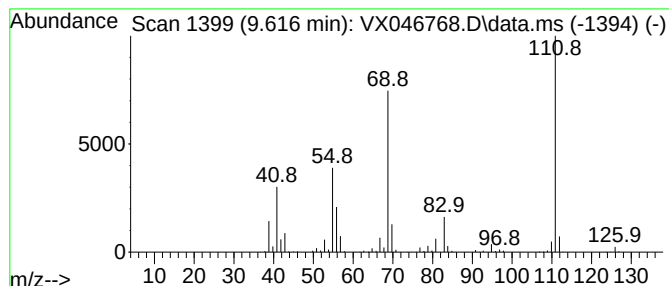
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	130.69 ug/l	1078710	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	72
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	56
5			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

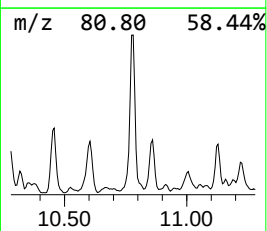
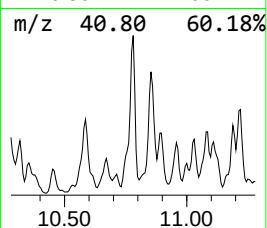
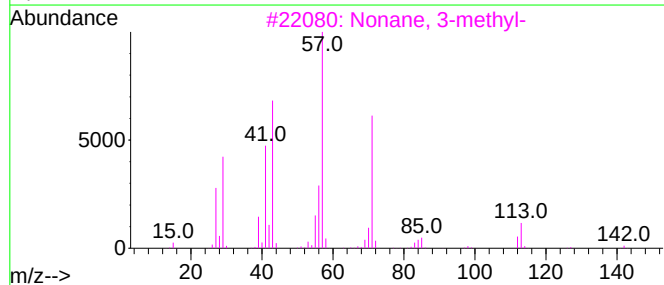
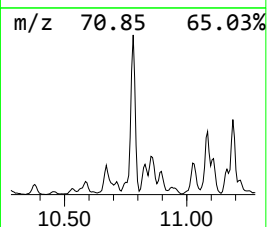
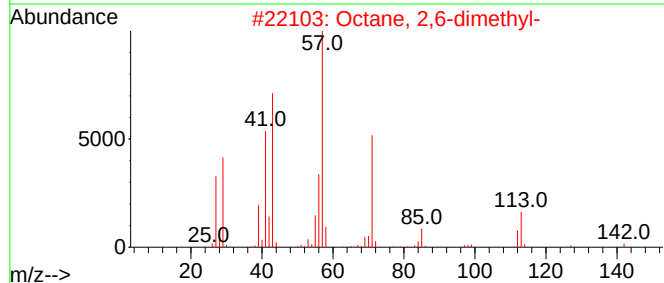
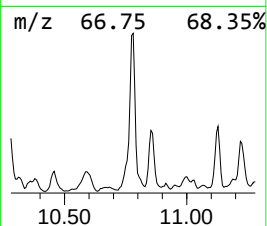
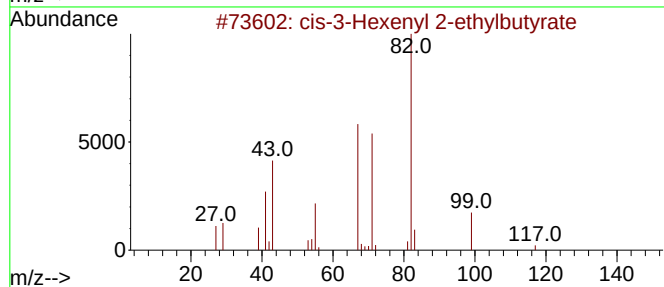
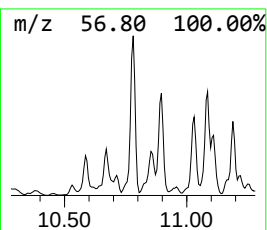
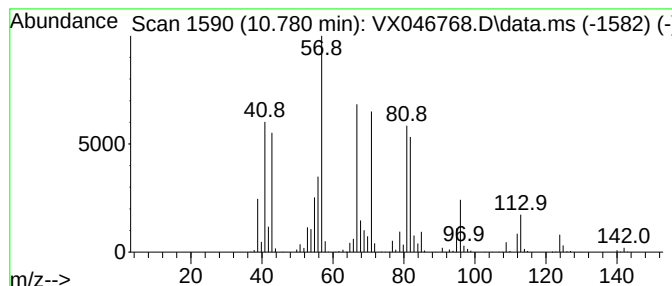
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Quant Title : SW846 8260

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

Peak Number 11 unknown10.780 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	123.70 ug/l	1021030	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-3-Hexenyl 2-ethylbutyrate	198	C12H22O2	1000433-24-6	46
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	46
4			Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	016491-36-4	43
5			Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

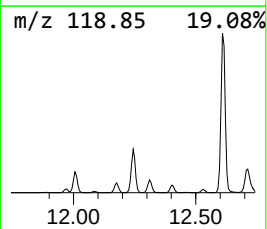
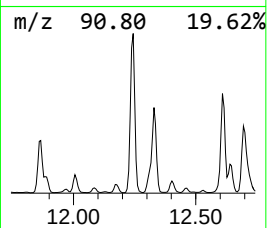
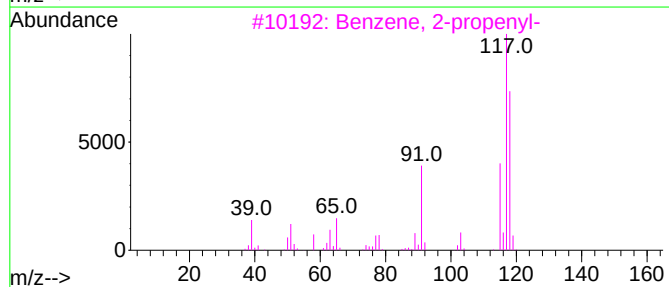
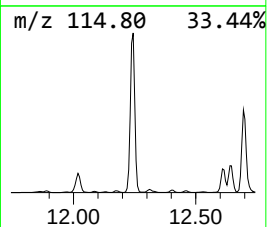
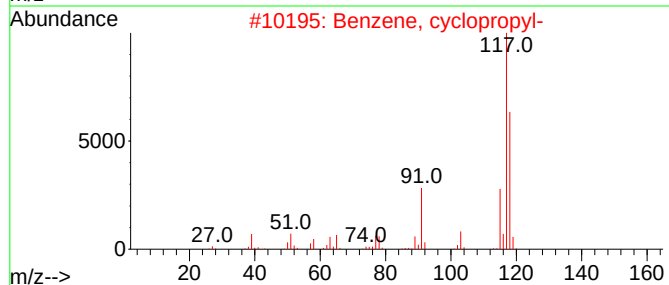
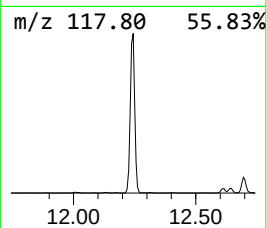
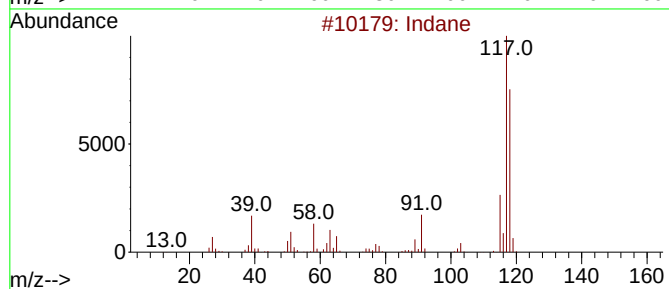
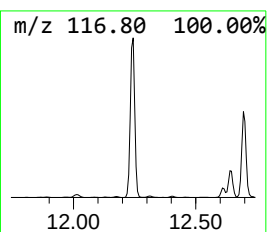
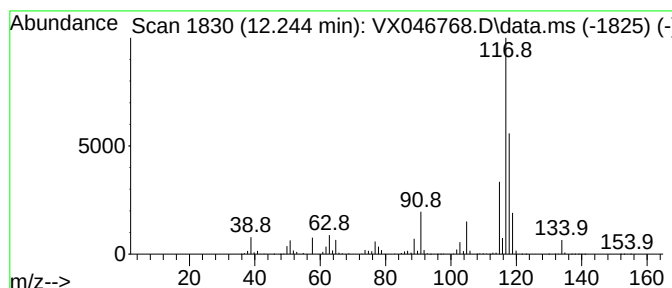
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Quant Title : SW846 8260

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

Peak Number 12 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	222.84 ug/l	4359370	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	76
2			Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3			Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4			Benzene, 1-propenyl-	118	C9H10	000637-50-3	62
5			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

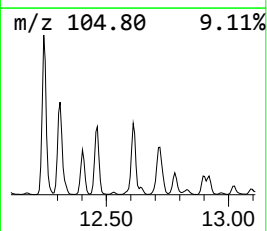
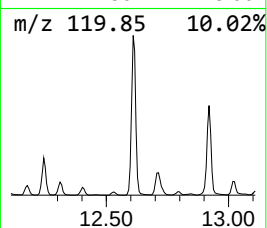
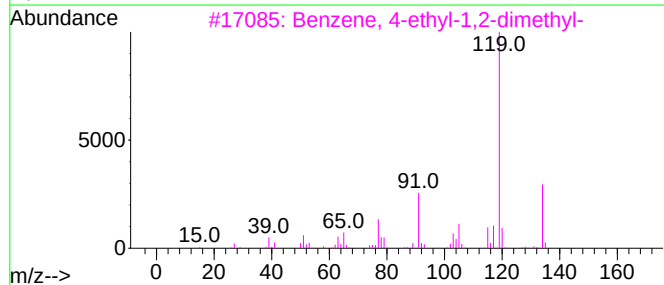
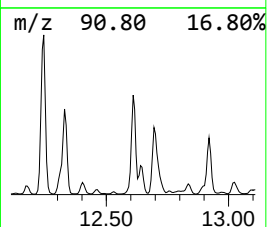
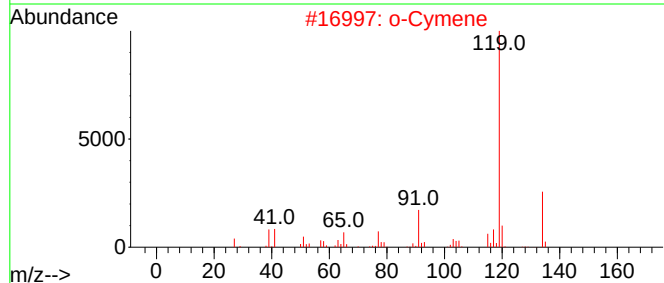
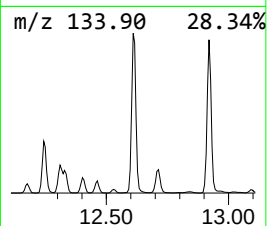
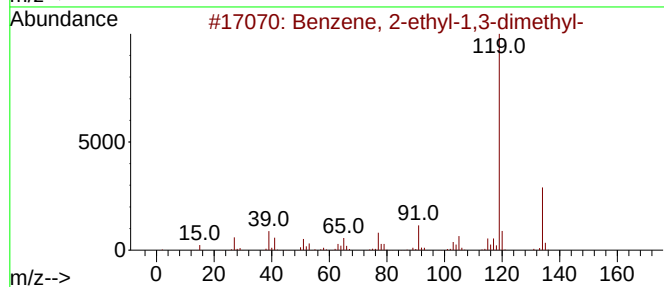
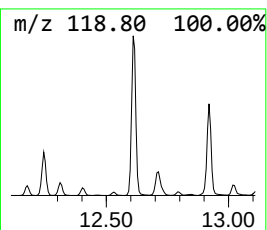
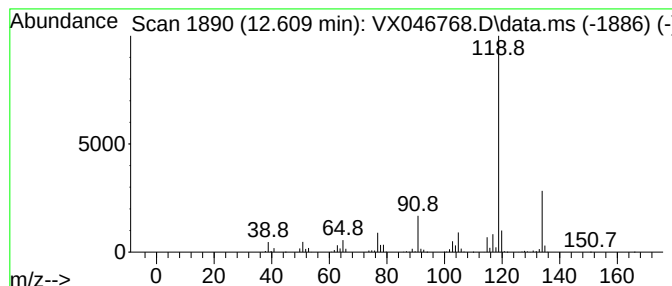
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Quant Title : SW846 8260

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

Peak Number 13 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.609	109.93 ug/l	2150450	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

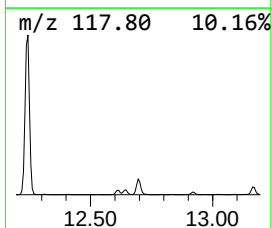
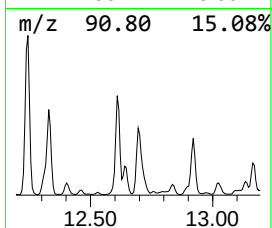
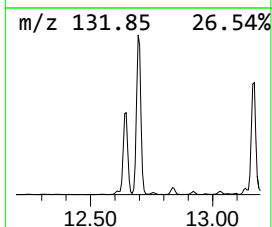
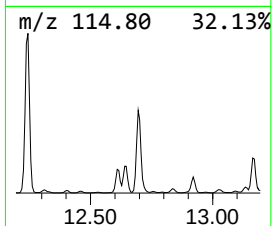
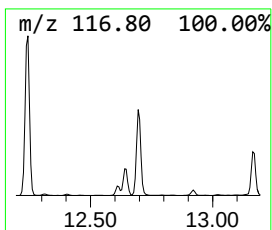
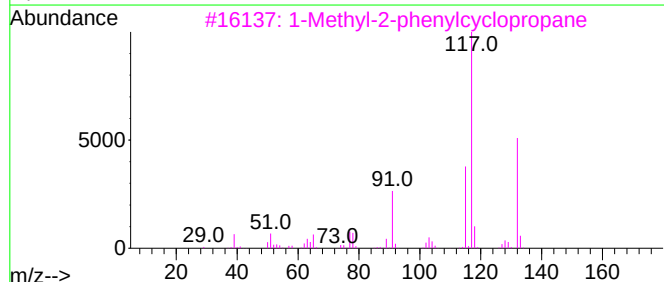
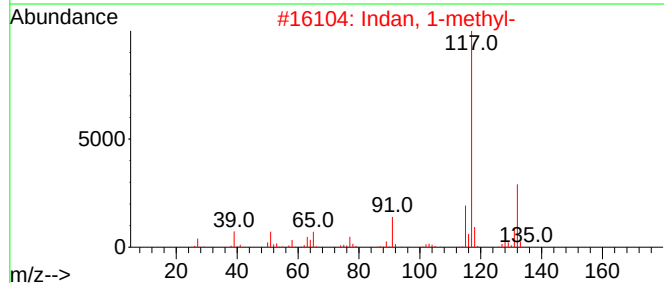
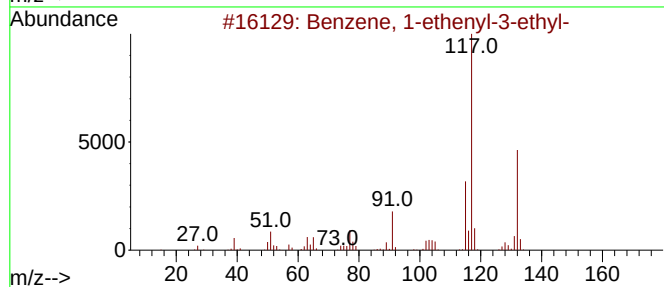
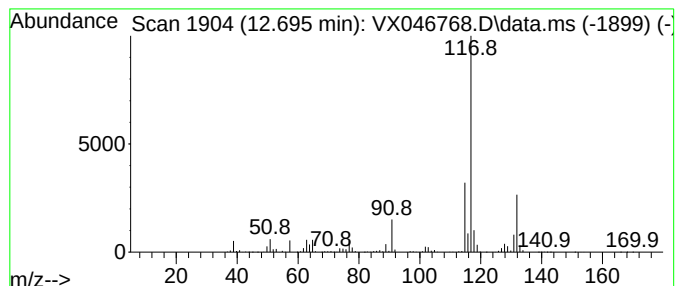
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Quant Title : SW846 8260

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

Peak Number 14 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	117.40 ug/l	2296630	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2			Indan, 1-methyl-	132	C10H12	000767-58-8	90
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5			3-Phenylbut-1-ene	132	C10H12	000934-10-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

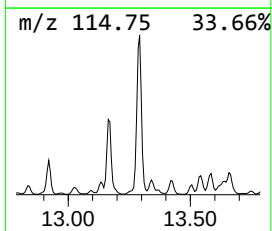
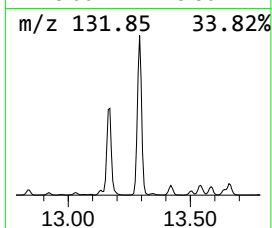
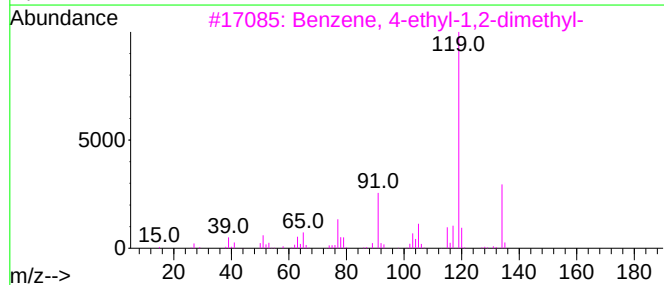
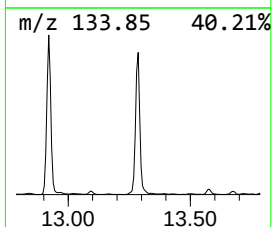
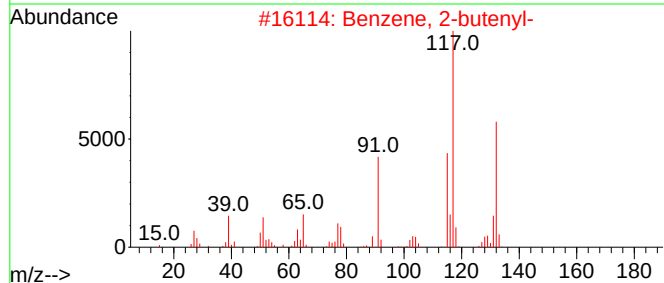
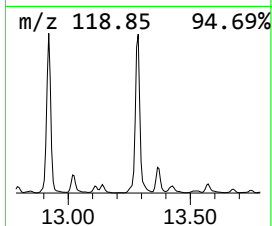
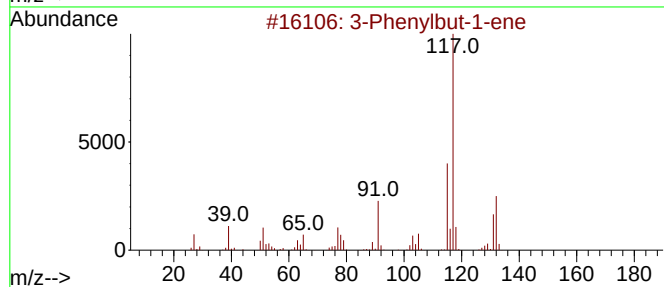
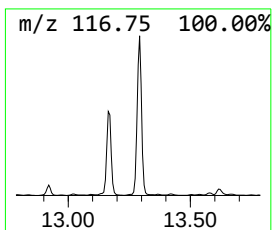
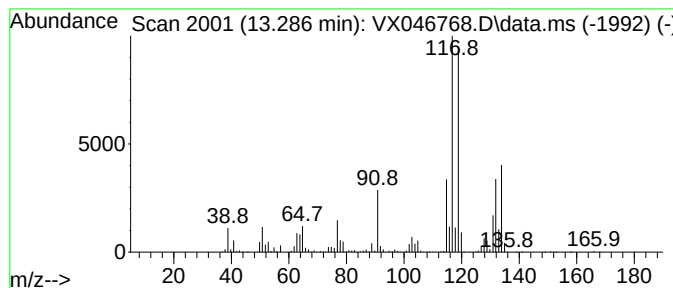
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

Peak Number 15 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	176.24 ug/l	3447770	1,4-Dichlorobenzene-d4	12.018

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046768.D
Acq On : 19 Jun 2025 13:36
Operator : JC/MD
Sample : Q2363-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP1W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	1.770	167.6	ug/l	4695570	1	5.562	1400750	50.0
Pentane	1.971	157.8	ug/l	4419710	1	5.562	1400750	50.0
Pentane, 2-methyl-	2.843	111.4	ug/l	3121000	1	5.562	1400750	50.0
Pentane, 3-methyl-	3.117	126.3	ug/l	3538900	1	5.562	1400750	50.0
n-Hexane	3.465	127.7	ug/l	3577830	1	5.562	1400750	50.0
Cyclopentane, m...	4.324	578.9	ug/l	16217200	1	5.562	1400750	50.0
Cyclopentane, 1...	6.367	129.4	ug/l	4136970	2	6.769	1598070	50.0
Cyclohexene, 1...	8.506	200.2	ug/l	1652570	3	10.055	412712	50.0
Cyclohexane, 1...	8.976	157.8	ug/l	1302940	3	10.055	412712	50.0
Cyclohexane, 1...	9.616	130.7	ug/l	1078710	3	10.055	412712	50.0
unknown10.780	10.780	123.7	ug/l	1021030	3	10.055	412712	50.0
Indane	12.244	222.8	ug/l	4359370	4	12.018	978131	50.0
Benzene, 2-ethy...	12.609	109.9	ug/l	2150450	4	12.018	978131	50.0
Benzene, 1-ethe...	12.695	117.4	ug/l	2296630	4	12.018	978131	50.0
3-Phenylbut-1-ene	13.286	176.2	ug/l	3447770	4	12.018	978131	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087127.D
 Acq On : 20 Jun 2025 11:01
 Operator : JC\MD
 Sample : Q2363-02DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GCAP1WDL

Quant Time: Jun 20 23:01:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

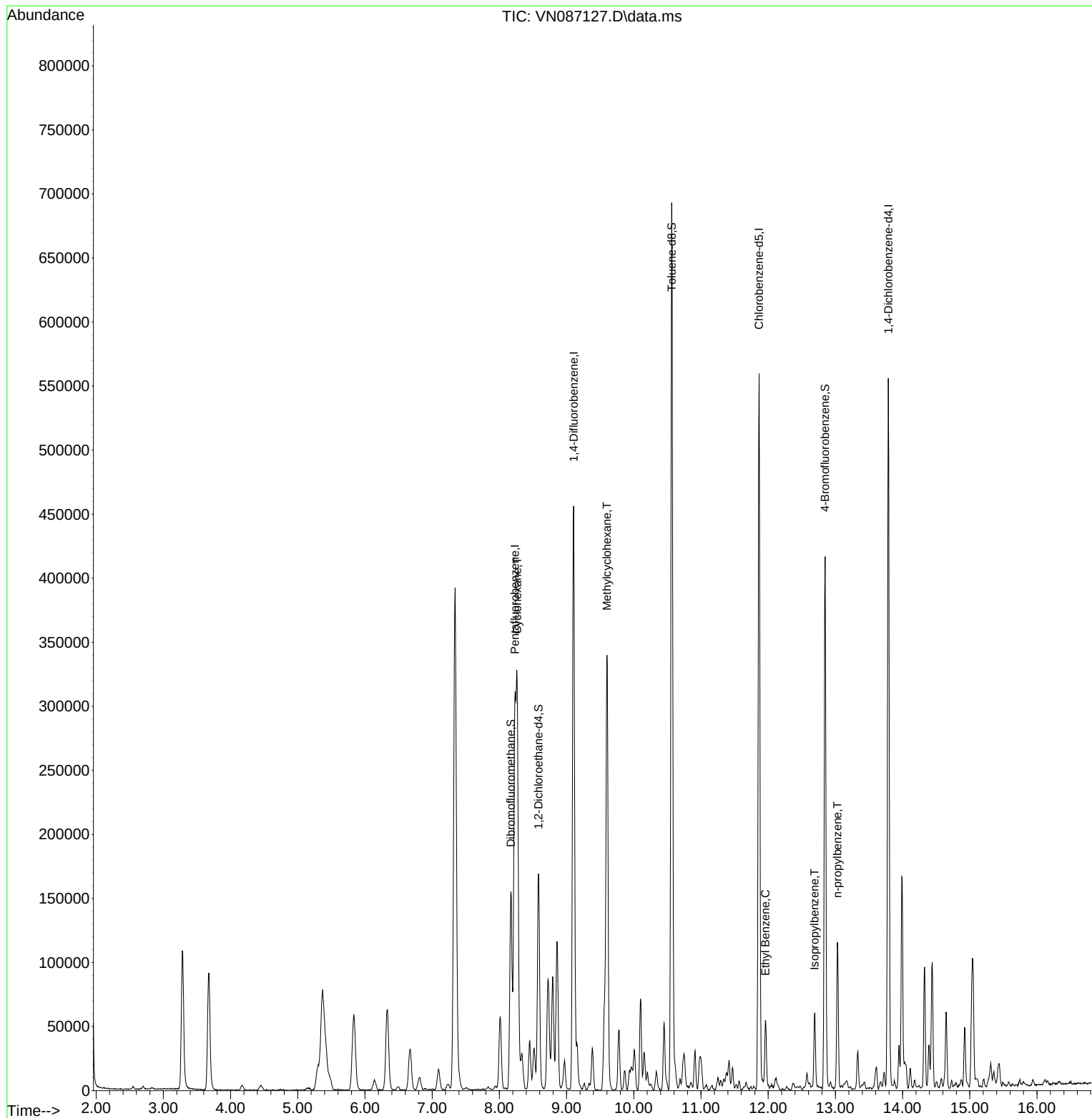
Internal Standards						
1) Pentafluorobenzene	8.229	168	192434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	385508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	140152	54.397	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.800%	
35) Dibromofluoromethane	8.171	113	119250	52.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.400%	
50) Toluene-d8	10.565	98	483437	53.453	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.900%	
62) 4-Bromofluorobenzene	12.847	95	167707	49.910	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.265	56	189948	45.455	ug/l	94
39) Methylcyclohexane	9.600	83	166852	35.774	ug/l	95
67) Ethyl Benzene	11.959	91	32283	2.450	ug/l	98
73) Isopropylbenzene	12.688	105	42552	3.571	ug/l	99
78) n-propylbenzene	13.029	91	96400	6.658	ug/l	99

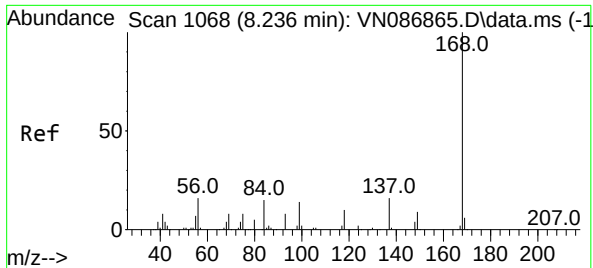
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087127.D
Acq On : 20 Jun 2025 11:01
Operator : JC\MD
Sample : Q2363-02DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GCAP1WDL

Quant Time: Jun 20 23:01:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

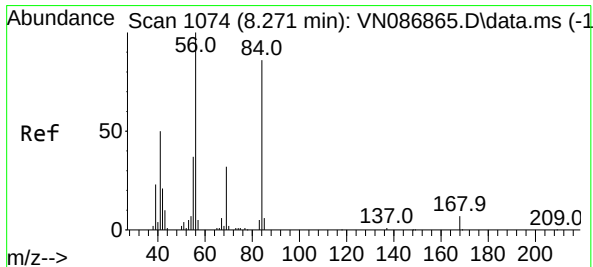
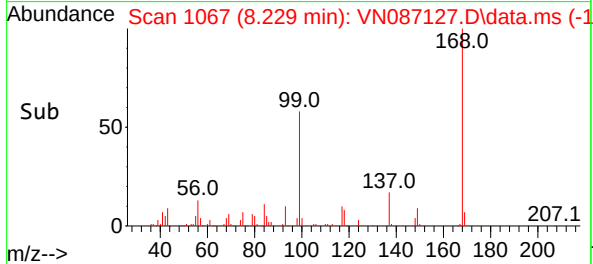
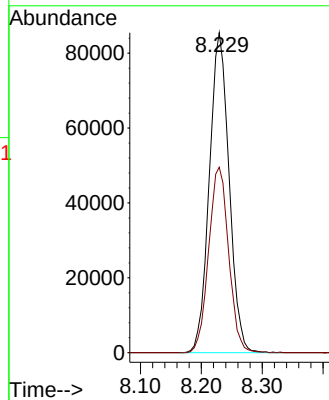
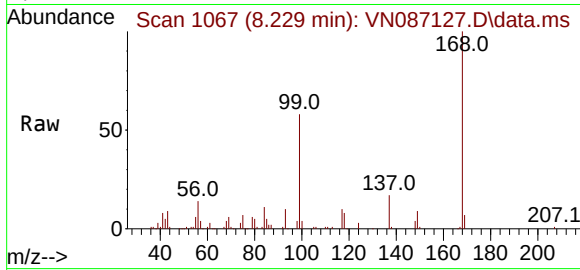




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087127.D
Acq: 20 Jun 2025 11:01

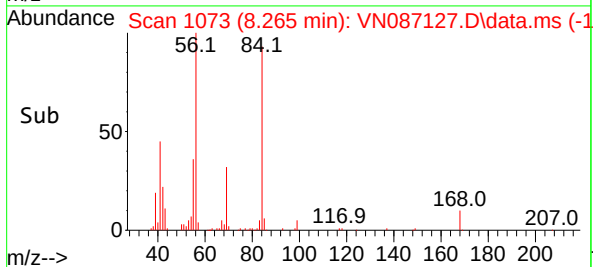
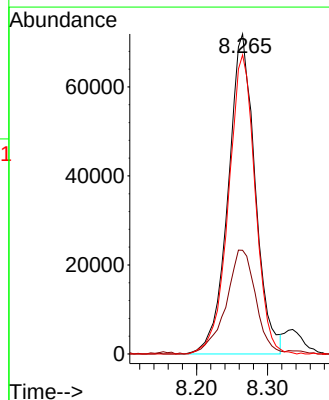
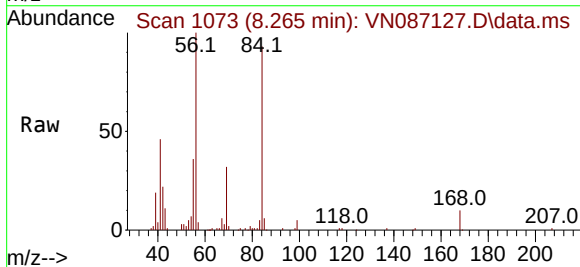
Instrument :
MSVOA_N
ClientSampleId :
GCAP1WDL

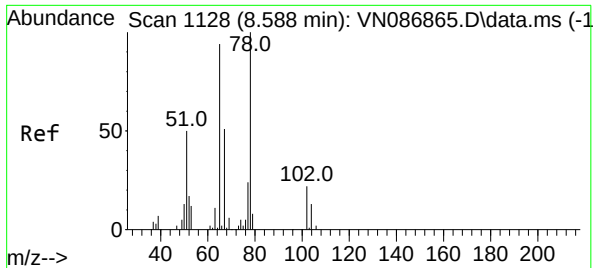
Tgt Ion:168 Resp: 192434
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#31
Cyclohexane
Concen: 45.455 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.006 min
Lab File: VN087127.D
Acq: 20 Jun 2025 11:01

Tgt Ion: 56 Resp: 189948
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.0
84 93.4 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 54.397 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087127.D

Acq: 20 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

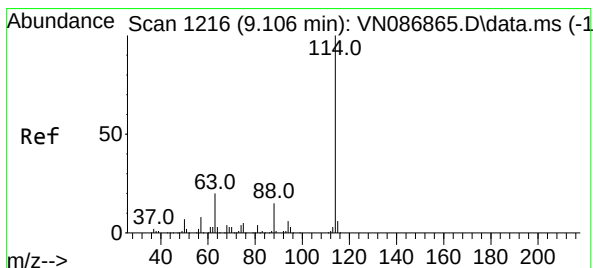
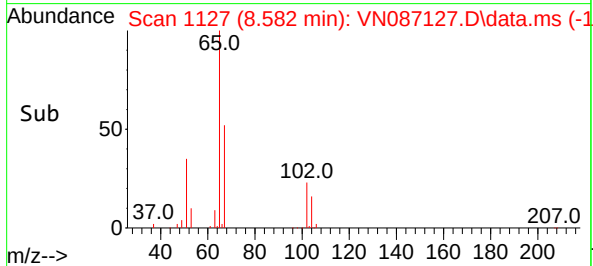
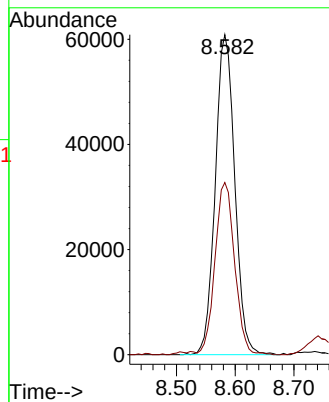
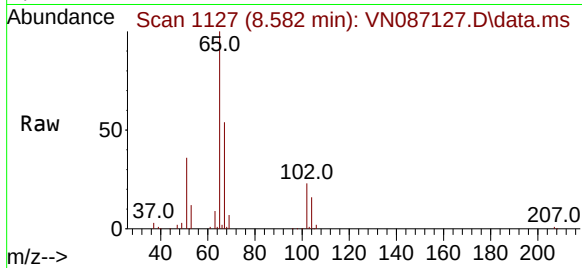
GCAP1WDL

Tgt Ion: 65 Resp: 140152

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087127.D

Acq: 20 Jun 2025 11:01

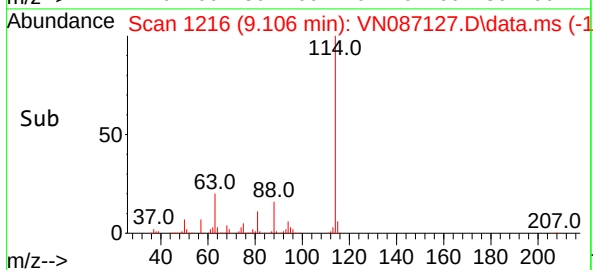
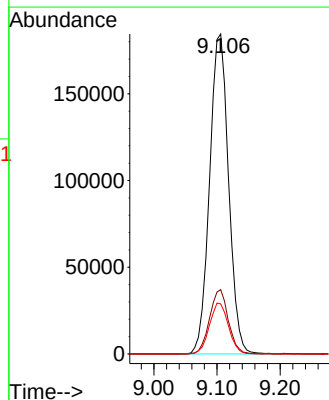
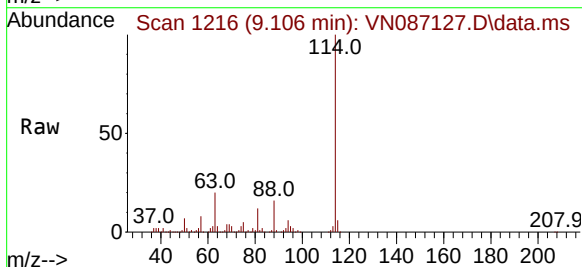
Tgt Ion:114 Resp: 385508

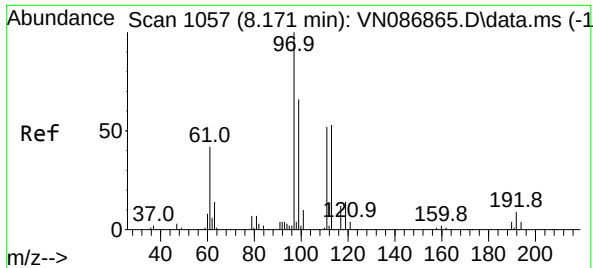
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.197 ug/l

RT: 8.171 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN087127.D

Acq: 20 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

GCAP1WDL

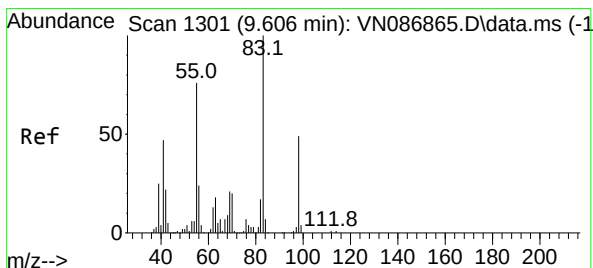
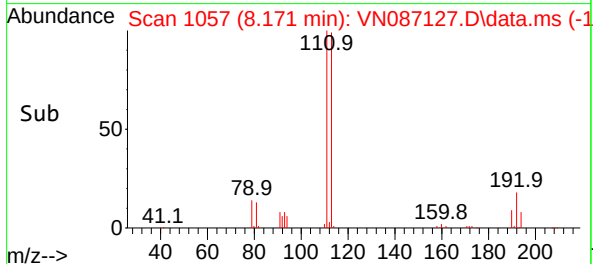
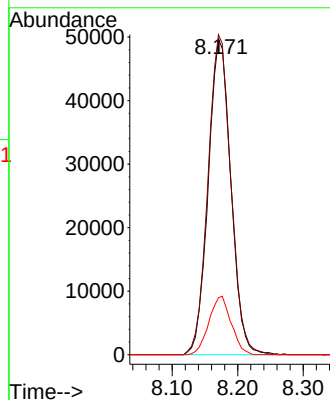
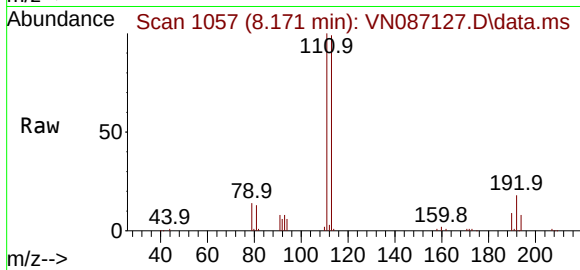
Tgt Ion:113 Resp: 119250

Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 18.2 14.2 21.4



#39

Methylcyclohexane

Concen: 35.774 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN087127.D

Acq: 20 Jun 2025 11:01

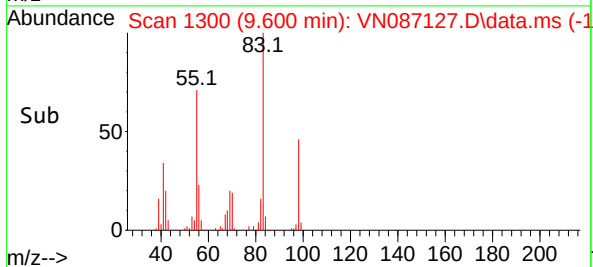
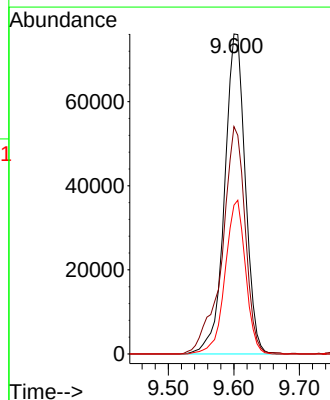
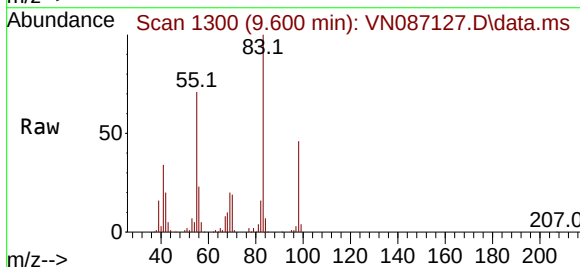
Tgt Ion: 83 Resp: 166852

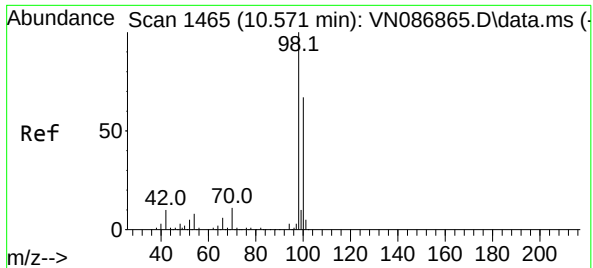
Ion Ratio Lower Upper

83 100

55 71.0 61.0 91.6

98 46.5 38.9 58.3

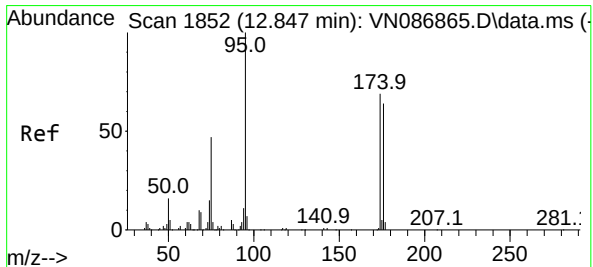
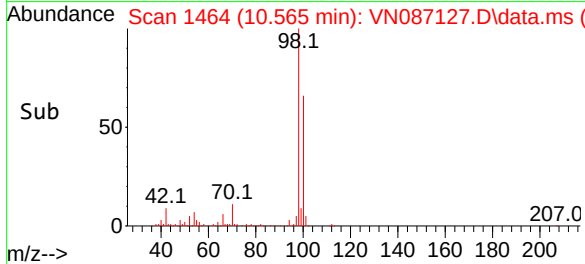
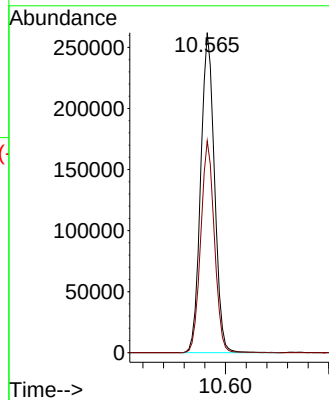
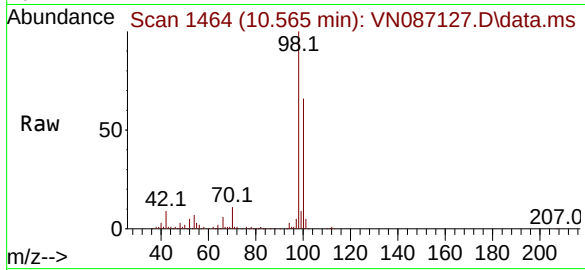




#50
Toluene-d8
Concen: 53.453 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087127.D
Acq: 20 Jun 2025 11:01

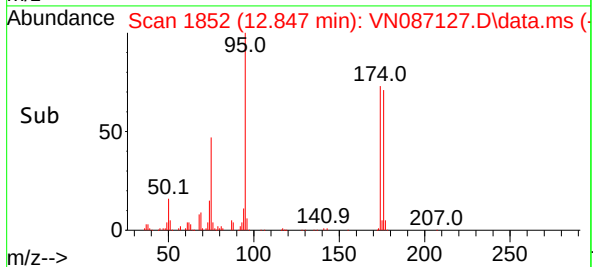
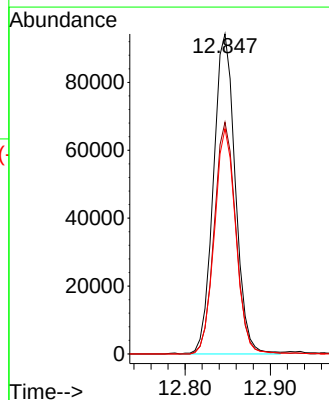
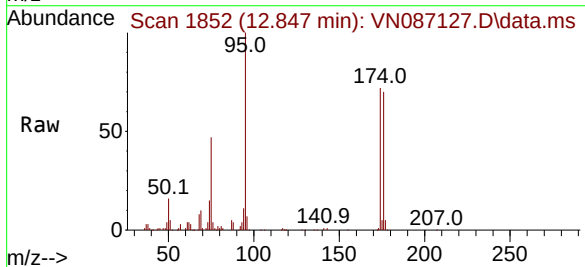
Instrument :
MSVOA_N
ClientSampleId :
GCAP1WDL

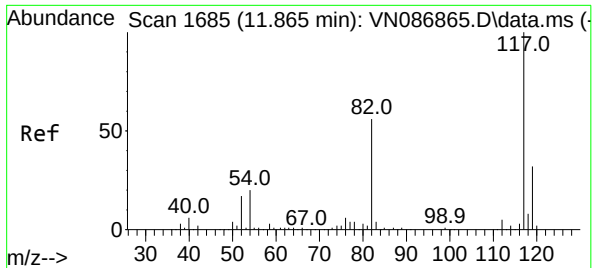
Tgt Ion: 98 Resp: 483437
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.910 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087127.D
Acq: 20 Jun 2025 11:01

Tgt Ion: 95 Resp: 167707
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.7 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087127.D

Acq: 20 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

GCAP1WDL

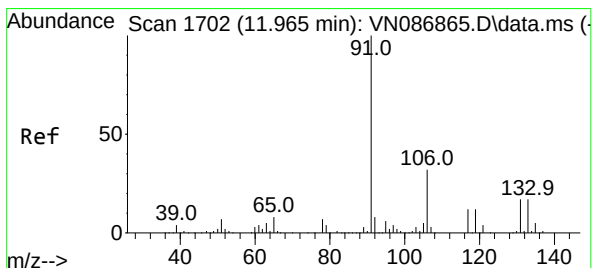
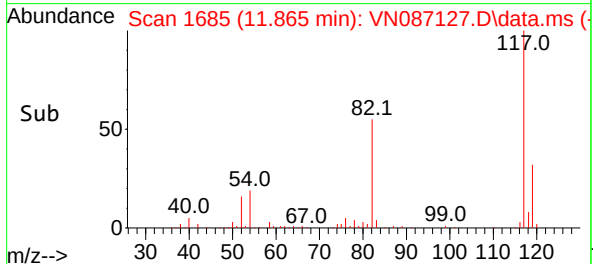
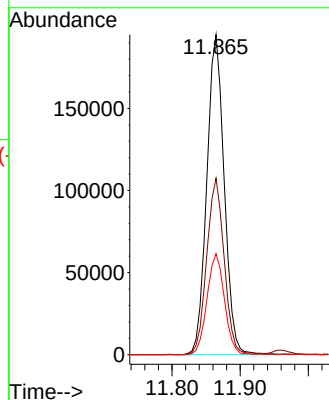
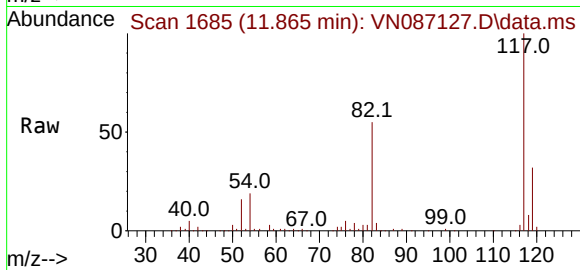
Tgt Ion:117 Resp: 346901

Ion Ratio Lower Upper

117 100

82 55.2 44.6 67.0

119 31.6 25.5 38.3



#67

Ethyl Benzene

Concen: 2.450 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN087127.D

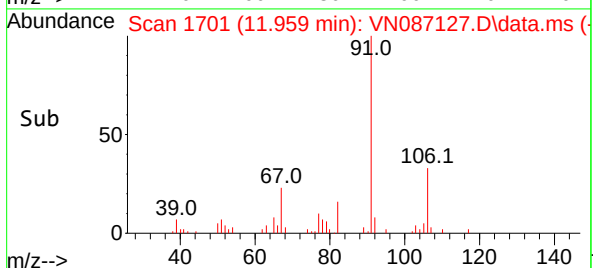
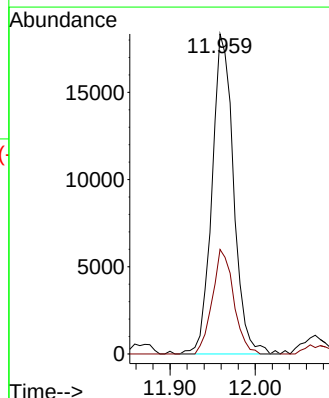
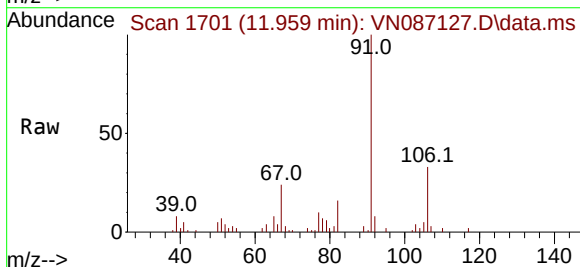
Acq: 20 Jun 2025 11:01

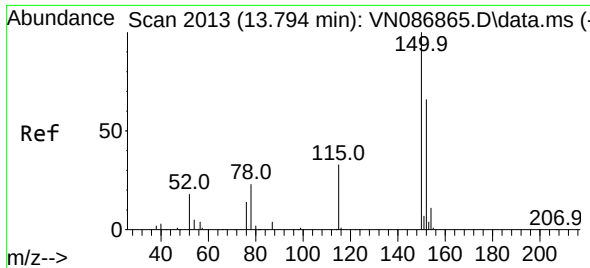
Tgt Ion: 91 Resp: 32283

Ion Ratio Lower Upper

91 100

106 32.6 25.4 38.2

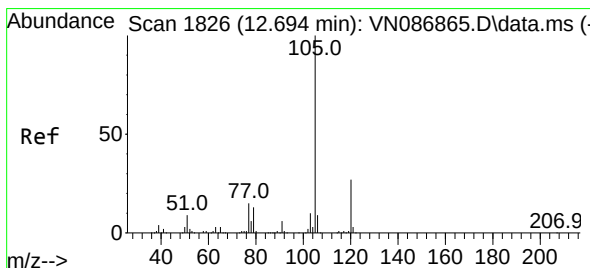
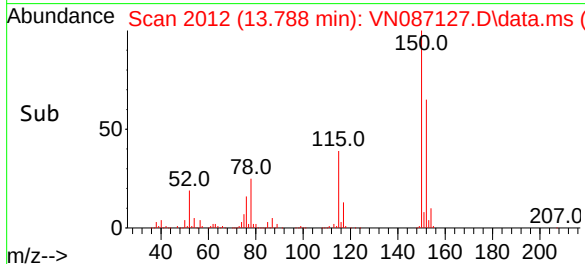
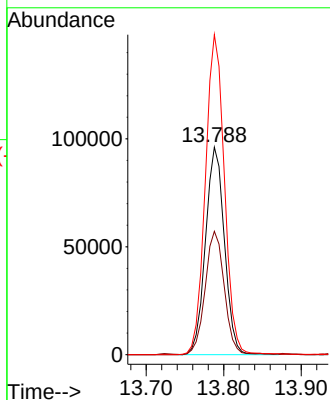
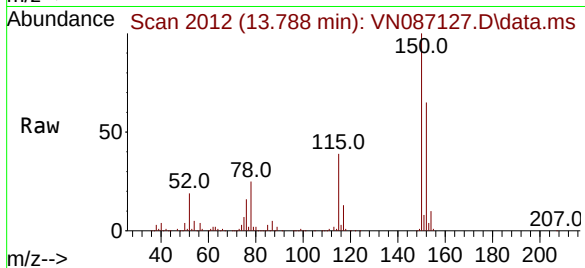




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087127.D
Acq: 20 Jun 2025 11:01

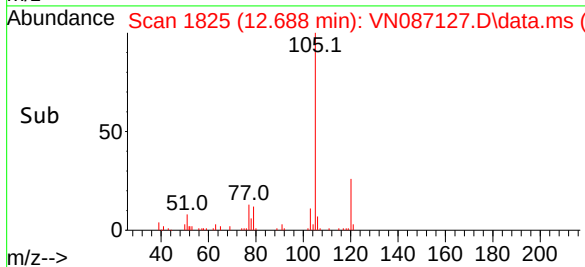
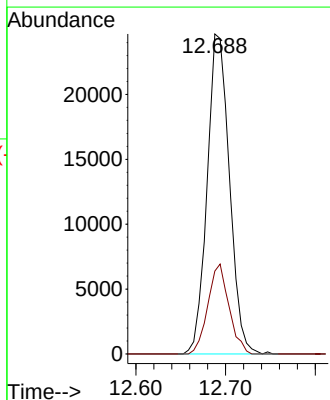
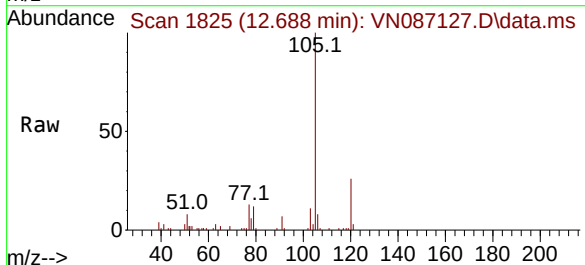
Instrument :
MSVOA_N
ClientSampleId :
GCAP1WDL

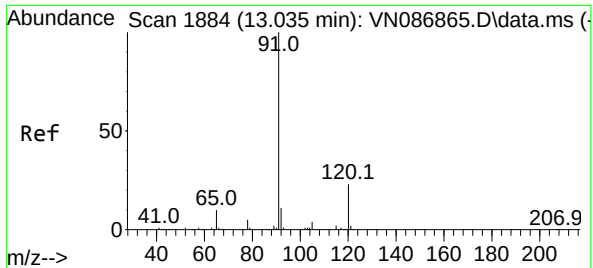
Tgt Ion:152 Resp: 163544
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.5
150 155.1 0.0 345.0



#73
Isopropylbenzene
Concen: 3.571 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN087127.D
Acq: 20 Jun 2025 11:01

Tgt Ion:105 Resp: 42552
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4





#78

n-propylbenzene

Concen: 6.658 ug/l

RT: 13.029 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087127.D

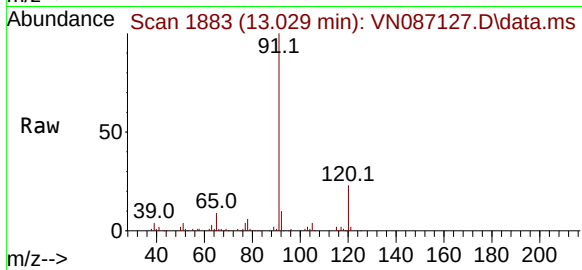
Acq: 20 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

GCAP1WDL

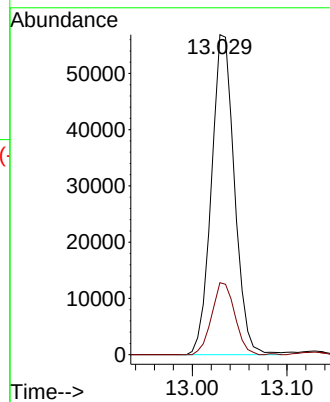
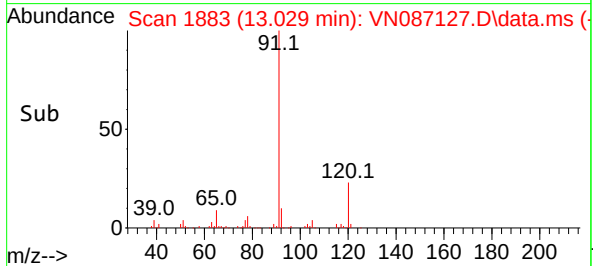


Tgt Ion: 91 Resp: 96400

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087123.D
 Acq On : 20 Jun 2025 09:25
 Operator : JC\MD
 Sample : VN0620MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBL01

Quant Time: Jun 20 22:59:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	161603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	319855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131966	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113749	52.572	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.140%
35) Dibromofluoromethane	8.177	113	97796	51.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.180%
50) Toluene-d8	10.565	98	396963	52.901	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.800%
62) 4-Bromofluorobenzene	12.847	95	133565	47.908	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.820%

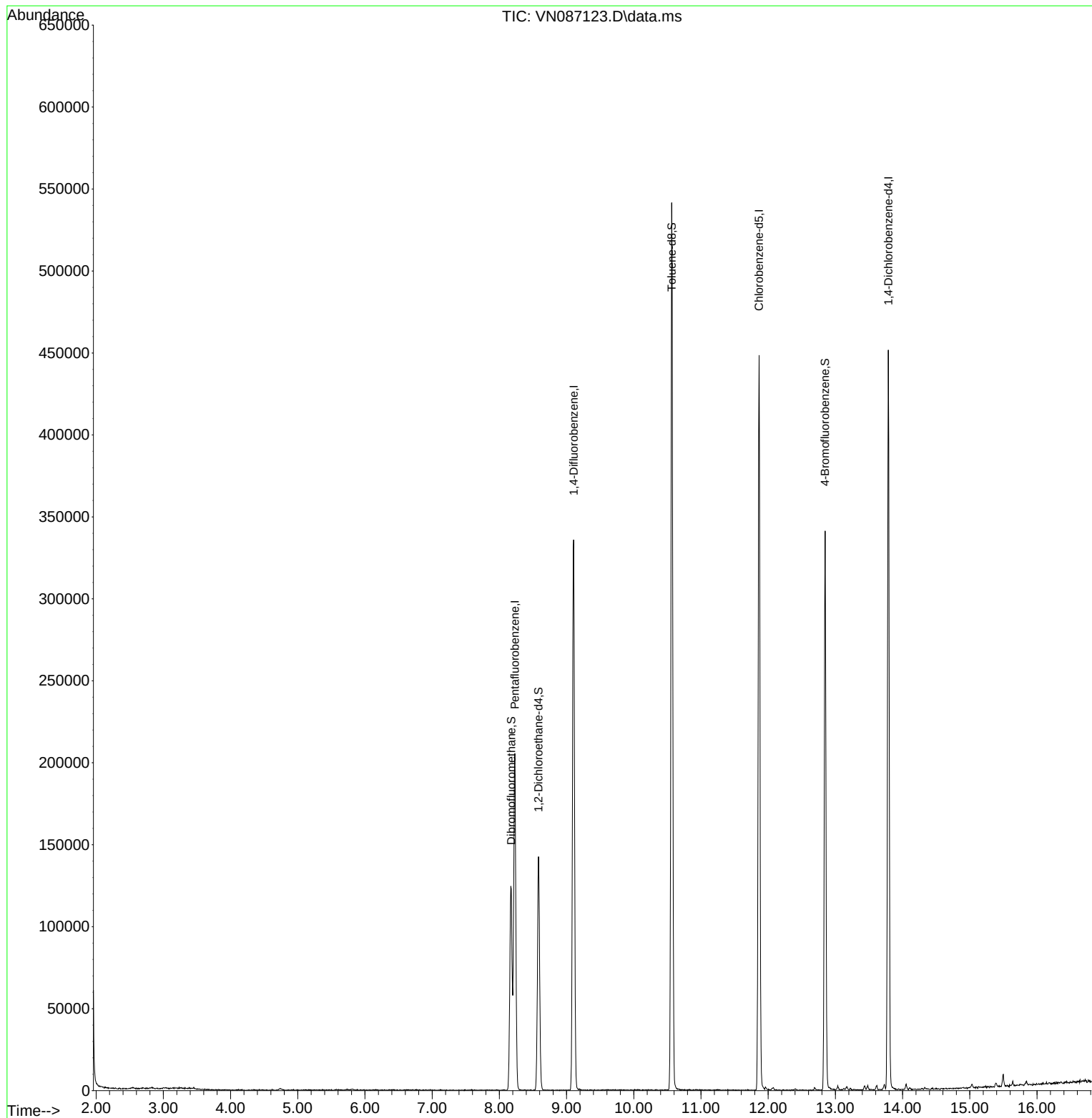
Target Compounds	Qvalue

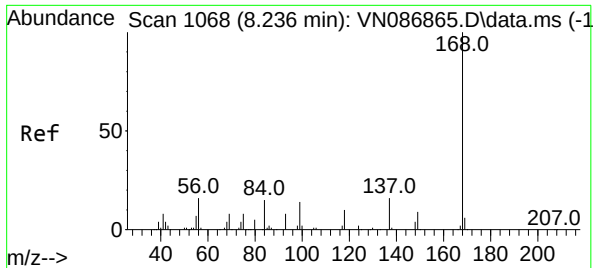
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087123.D
Acq On : 20 Jun 2025 09:25
Operator : JC\MD
Sample : VN0620MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

Quant Time: Jun 20 22:59:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

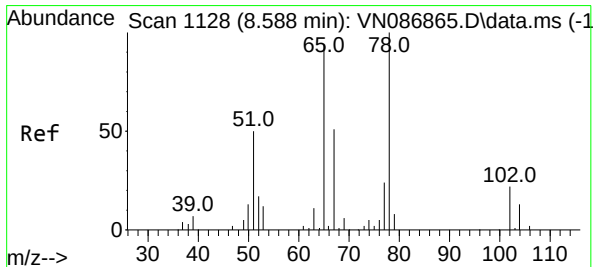
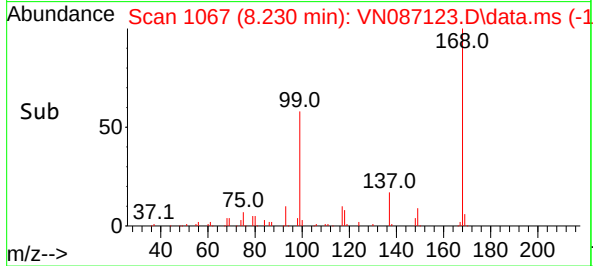
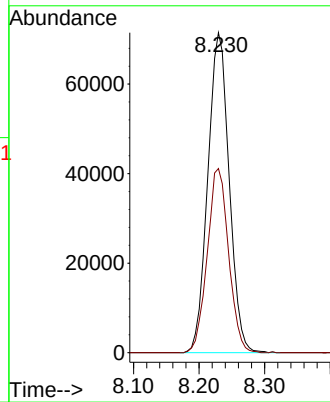
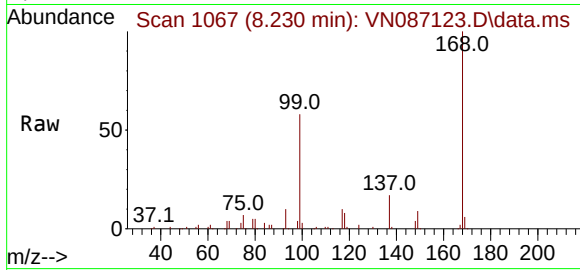




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087123.D
Acq: 20 Jun 2025 09:25

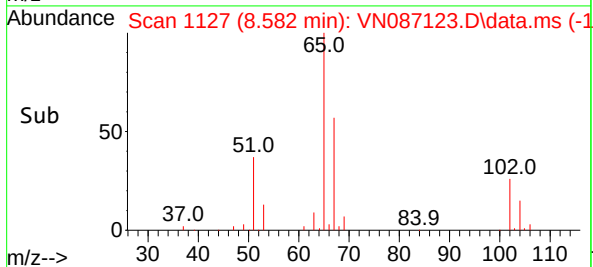
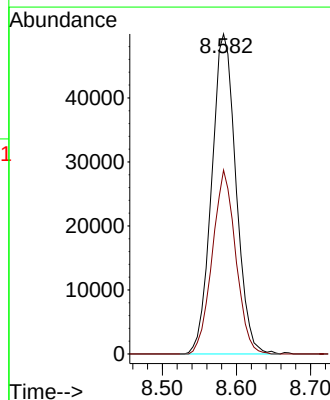
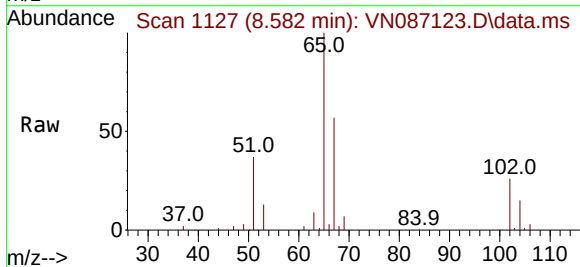
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

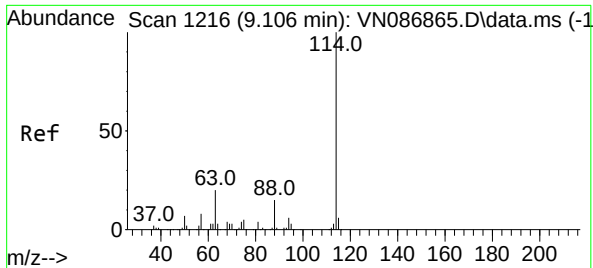
Tgt Ion:168 Resp: 161603
Ion Ratio Lower Upper
168 100
99 57.6 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 52.572 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087123.D
Acq: 20 Jun 2025 09:25

Tgt Ion: 65 Resp: 113749
Ion Ratio Lower Upper
65 100
67 55.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087123.D

Acq: 20 Jun 2025 09:25

Instrument :

MSVOA_N

ClientSampleId :

VN0620MBL01

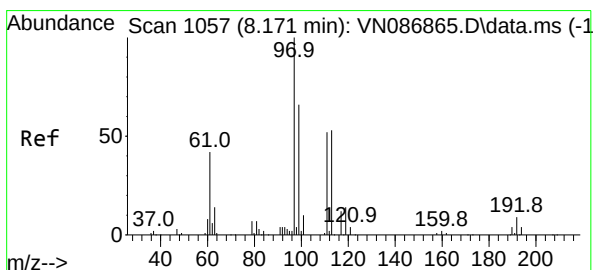
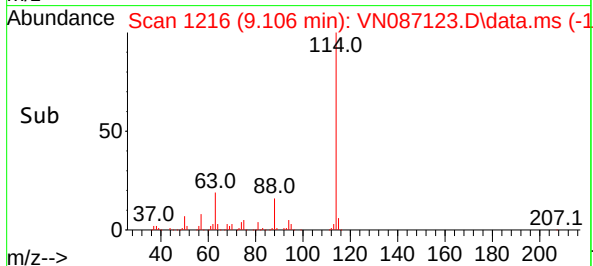
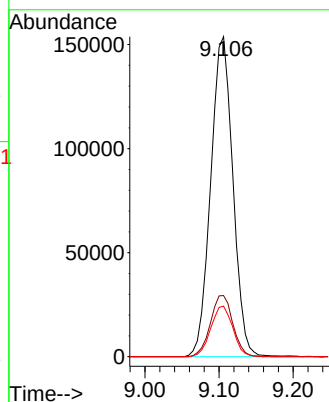
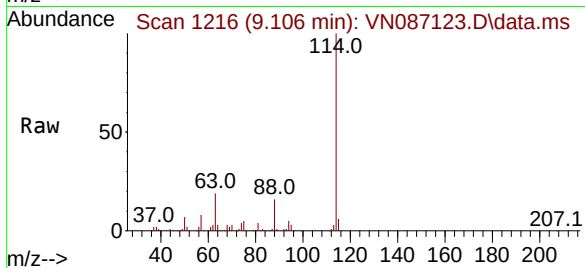
Tgt Ion:114 Resp: 319855

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.593 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087123.D

Acq: 20 Jun 2025 09:25

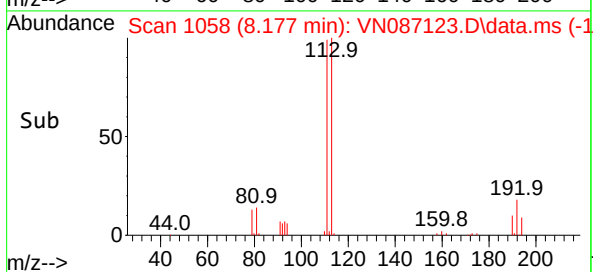
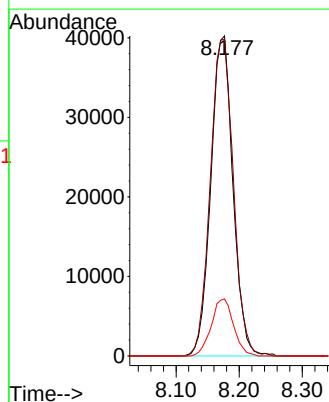
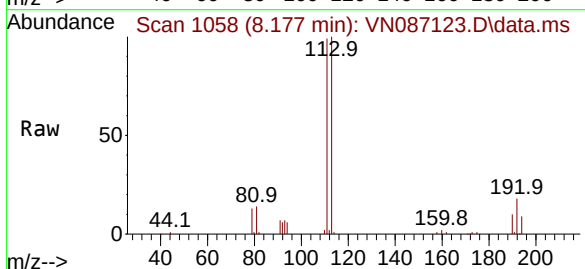
Tgt Ion:113 Resp: 97796

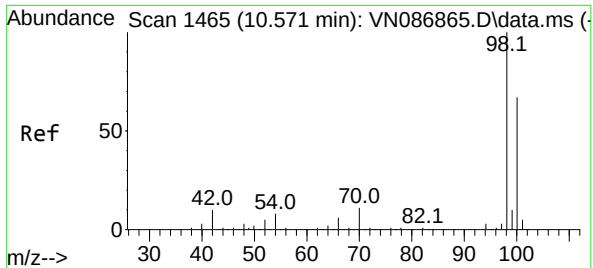
Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 18.0 14.2 21.4

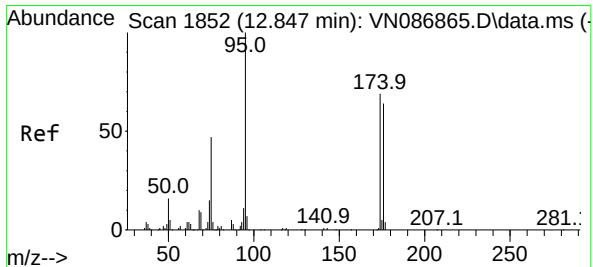
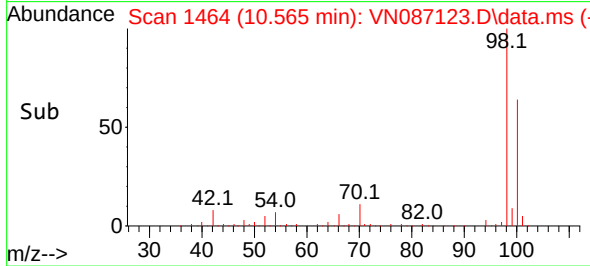
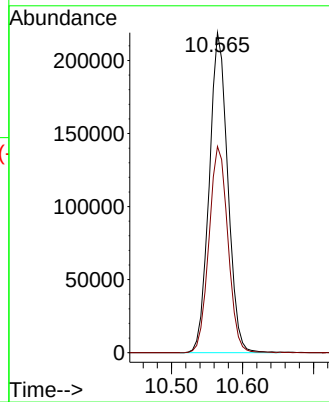
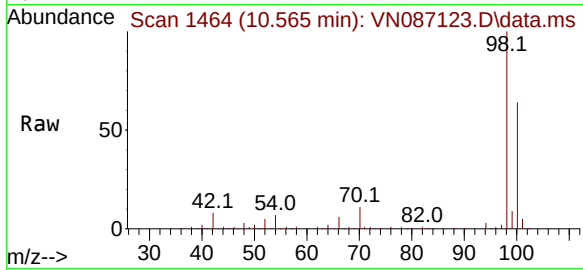




#50
Toluene-d8
Concen: 52.901 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087123.D
Acq: 20 Jun 2025 09:25

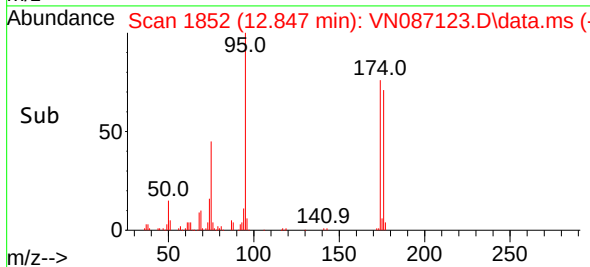
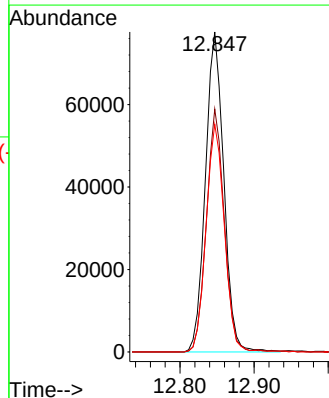
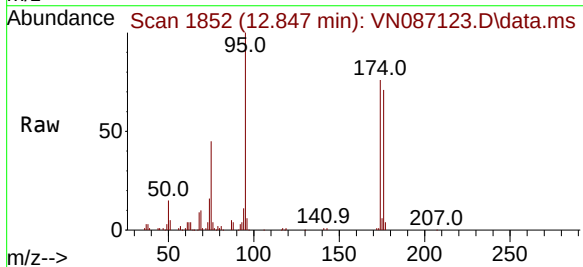
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

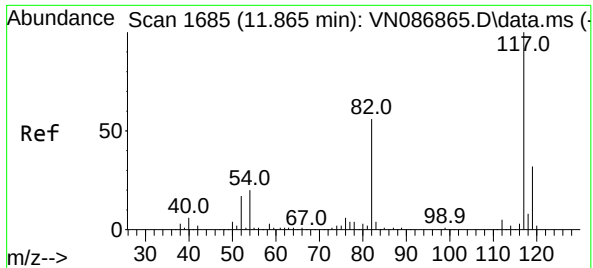
Tgt Ion: 98 Resp: 396963
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 47.908 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087123.D
Acq: 20 Jun 2025 09:25

Tgt Ion: 95 Resp: 133565
Ion Ratio Lower Upper
95 100
174 73.8 0.0 141.8
176 71.0 0.0 132.6

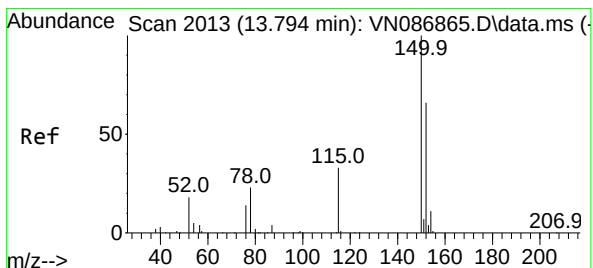
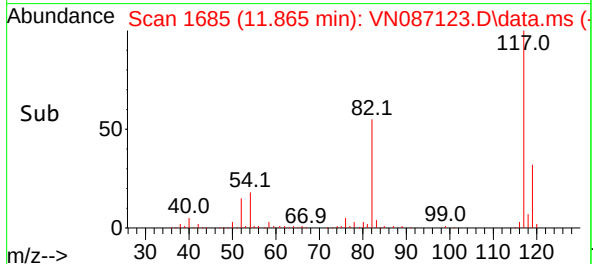
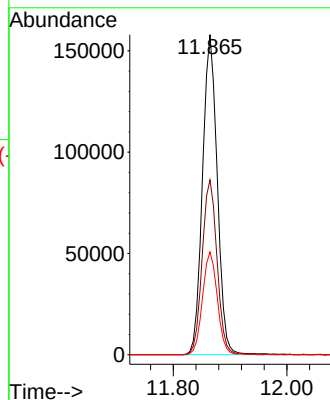
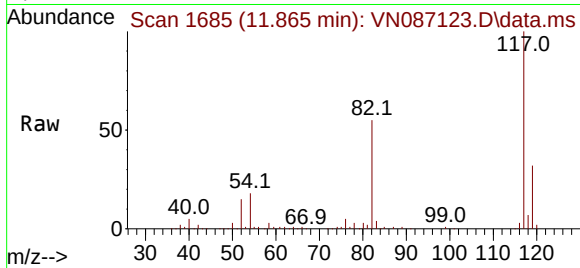




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087123.D
Acq: 20 Jun 2025 09:25

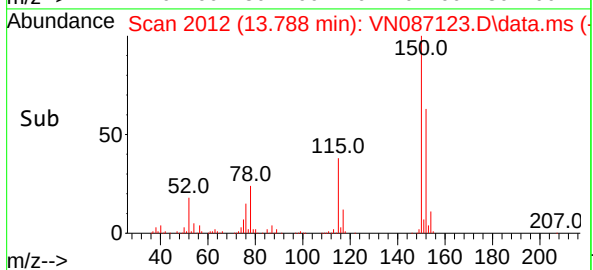
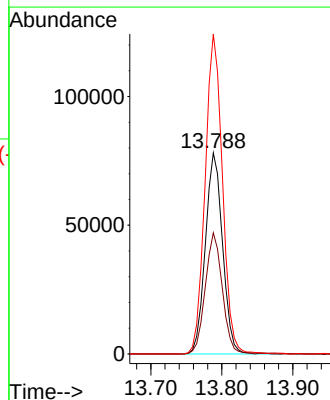
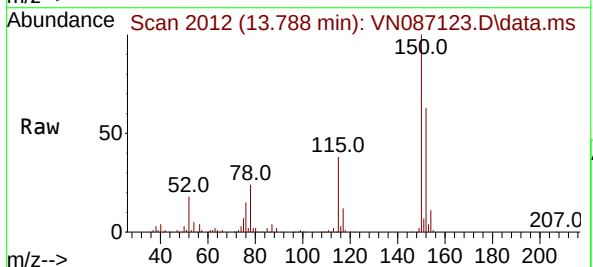
Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.6	67.0
119	32.1	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087123.D
Acq: 20 Jun 2025 09:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.1	90.5
150	159.5	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087123.D
Acq On : 20 Jun 2025 09:25
Operator : JC\MD
Sample : VN0620MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

A

B

C

D

E

F

G

H

I

J

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN087123.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.171	1047	1057	1062	rBV2	124595	309597	31.20%	6.266%
2	8.230	1062	1067	1080	rVB	205171	453565	45.71%	9.180%
3	8.582	1117	1127	1139	rBV	142559	318311	32.08%	6.442%
4	9.106	1207	1216	1229	rBV	335825	702486	70.80%	14.218%
5	10.565	1455	1464	1478	rBV	541501	992236	100.00%	20.082%
6	11.865	1676	1685	1699	rBV	448459	815298	82.17%	16.501%
7	12.847	1845	1852	1861	rBV	340938	577673	58.22%	11.692%
8	13.788	2005	2012	2022	rVV	450759	760213	76.62%	15.386%
9	15.500	2297	2303	2308	rBV6	7606	11537	1.16%	0.233%

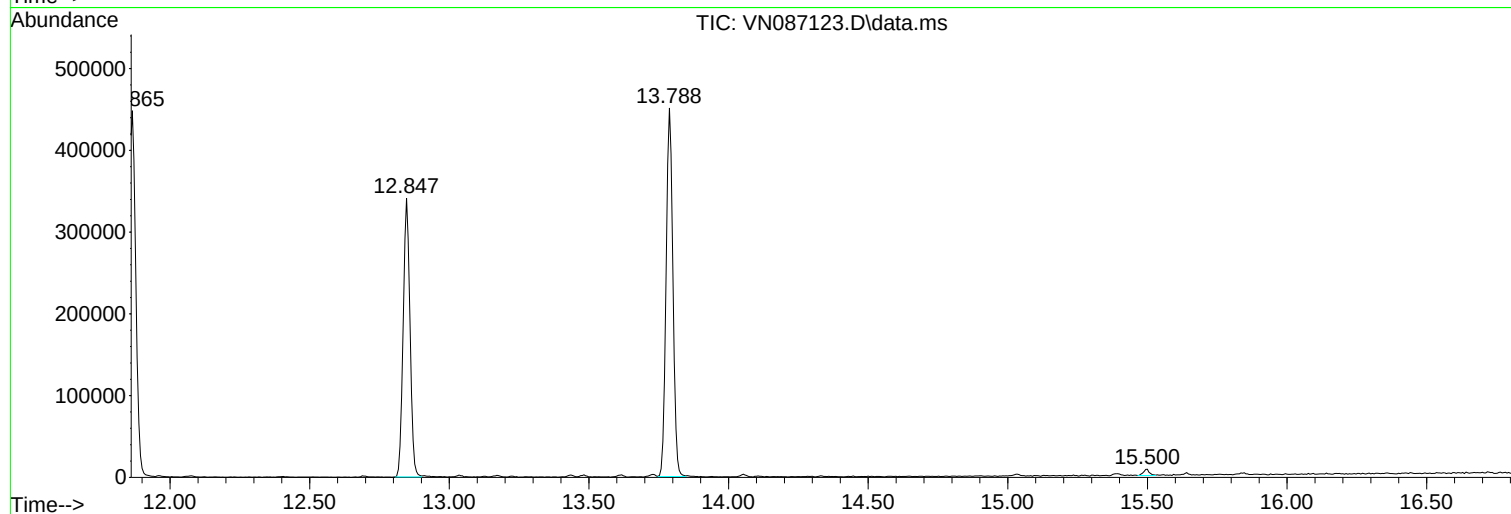
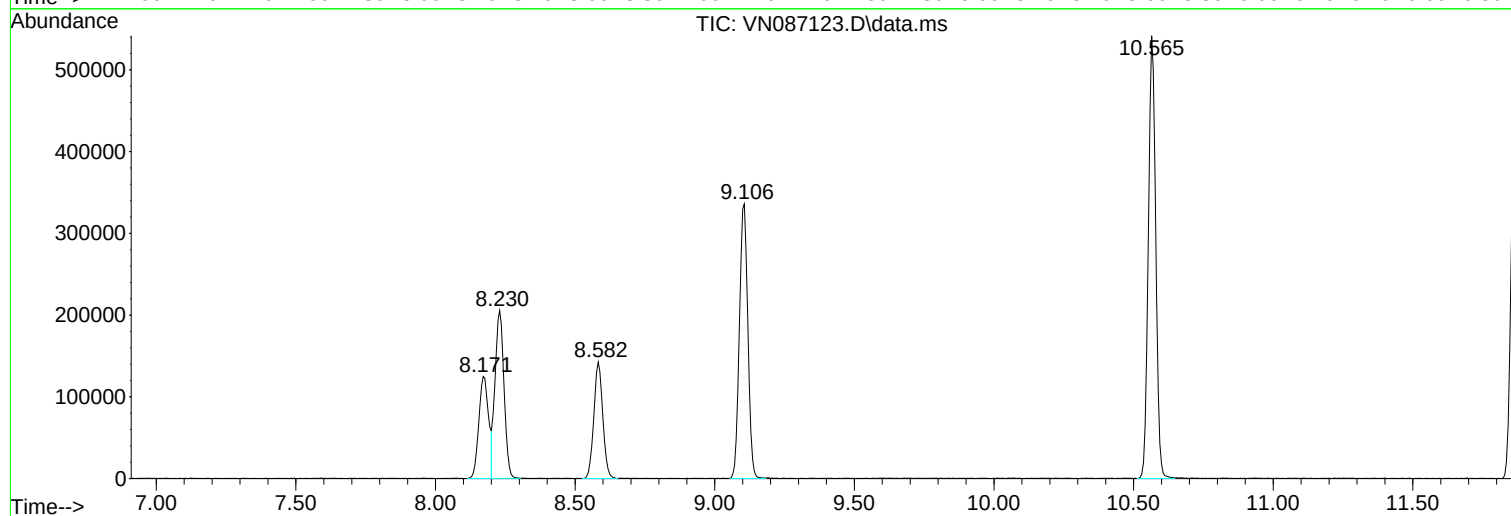
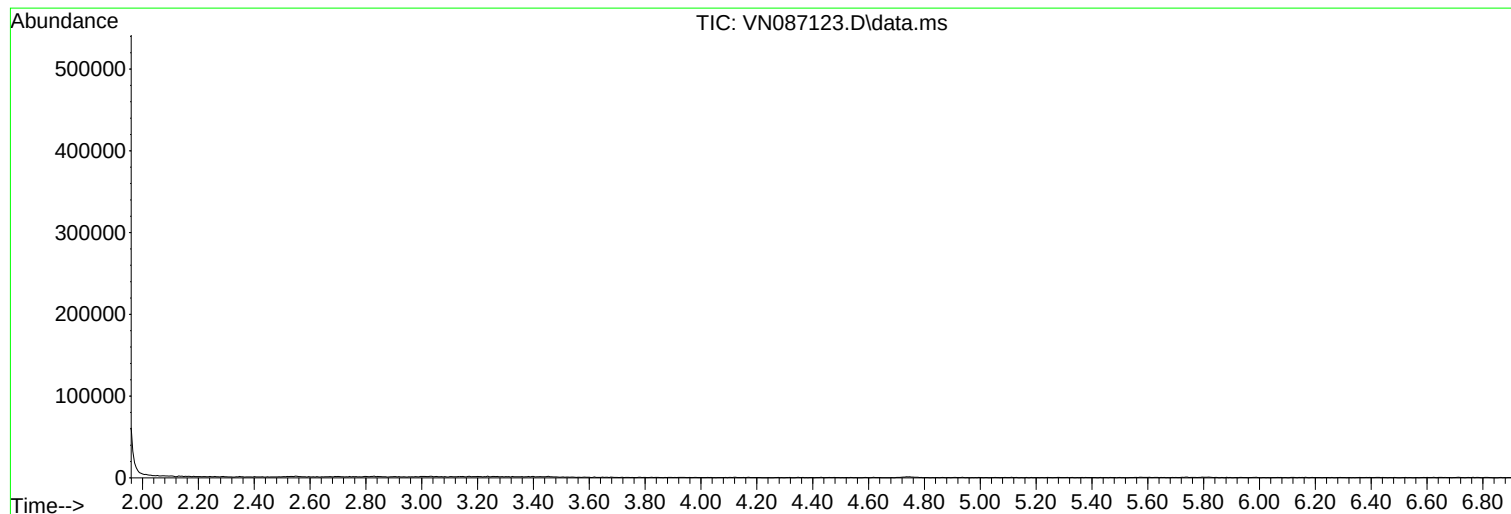
Sum of corrected areas: 4940916

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087123.D
Acq On : 20 Jun 2025 09:25
Operator : JC\MD
Sample : VN0620MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087123.D
Acq On : 20 Jun 2025 09:25
Operator : JC\MD
Sample : VN0620MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087123.D
Acq On : 20 Jun 2025 09:25
Operator : JC\MD
Sample : VN0620MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087124.D
 Acq On : 20 Jun 2025 09:46
 Operator : JC\MD
 Sample : VN0620WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01

Quant Time: Jun 20 22:59:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	186699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159510	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	137319	54.934	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.860%	
35) Dibromofluoromethane	8.171	113	115842	51.492	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.980%	
50) Toluene-d8	10.565	98	468951	52.655	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	12.847	95	161930	48.938	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.880%	

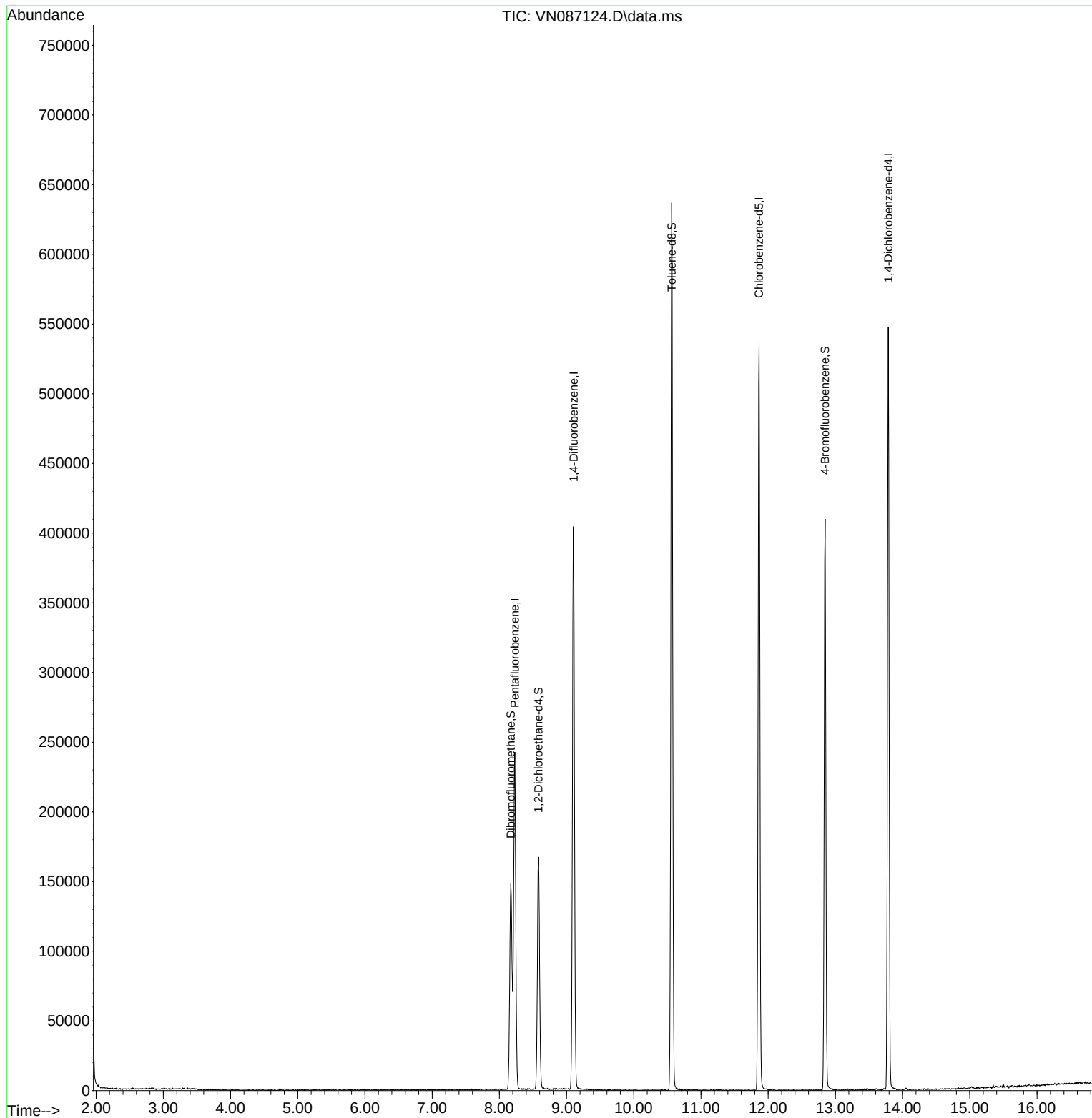
Target Compounds Qvalue

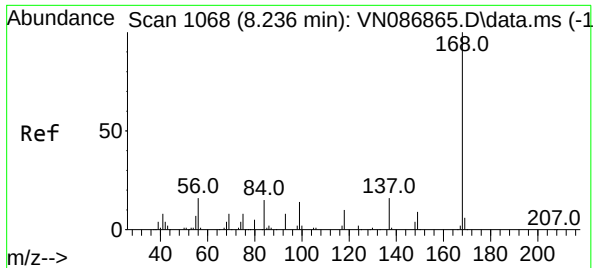
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087124.D
Acq On : 20 Jun 2025 09:46
Operator : JC\MD
Sample : VN0620WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

Quant Time: Jun 20 22:59:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

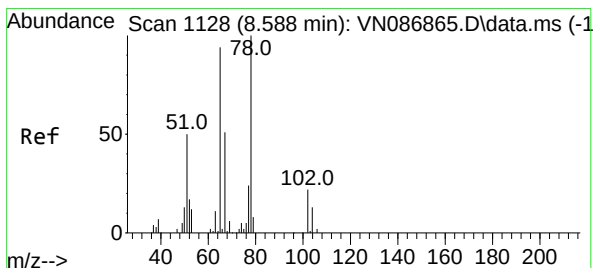
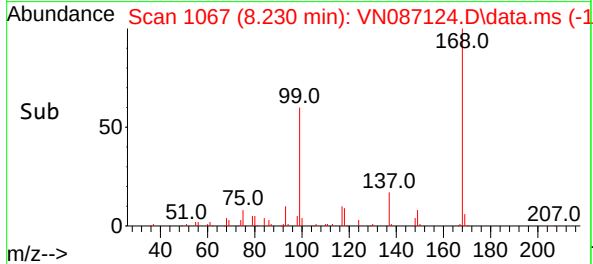
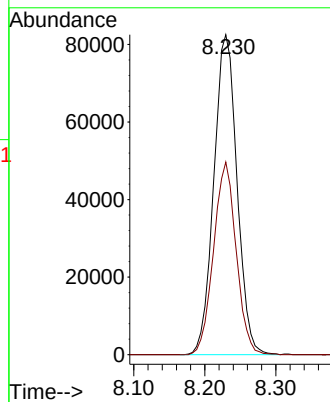
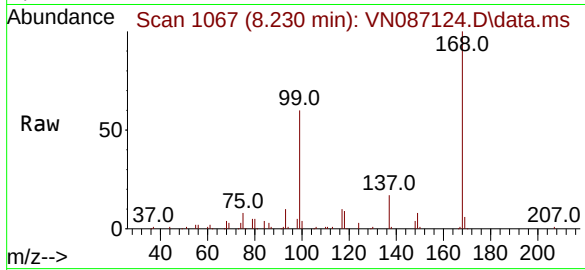




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

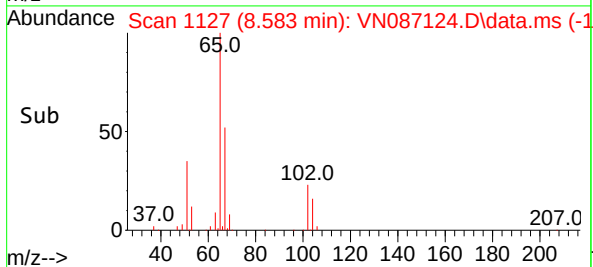
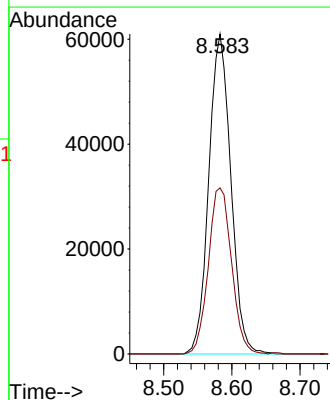
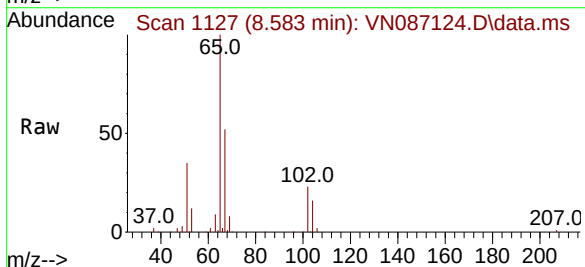
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

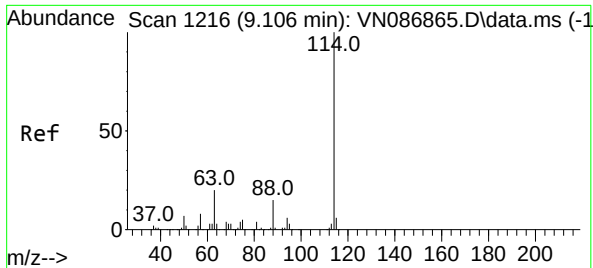
Tgt Ion:168 Resp: 186699
Ion Ratio Lower Upper
168 100
99 60.2 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 54.934 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

Tgt Ion: 65 Resp: 137319
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

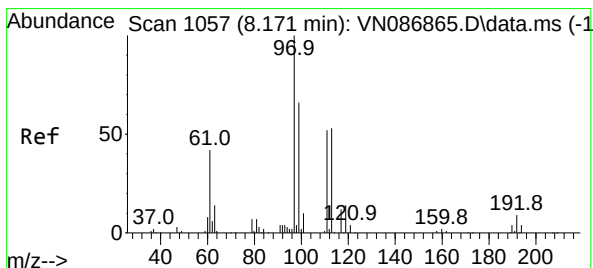
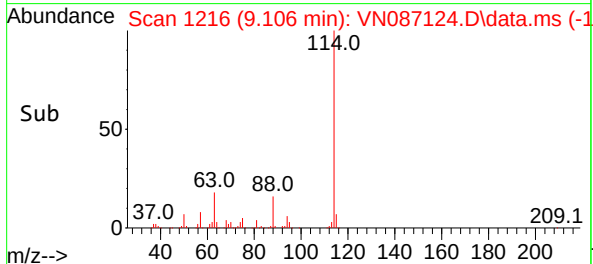
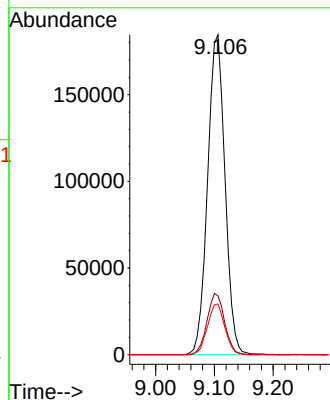
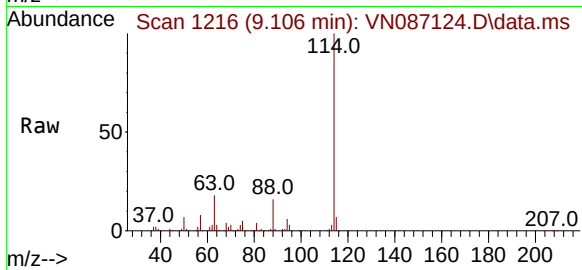
Tgt Ion:114 Resp: 379621

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.492 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

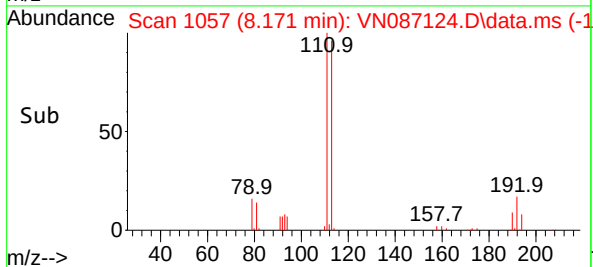
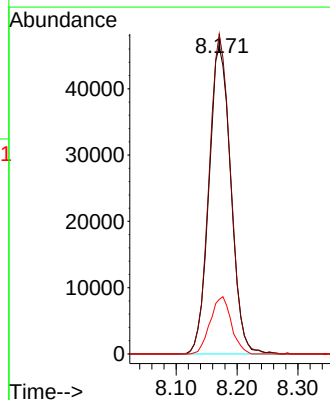
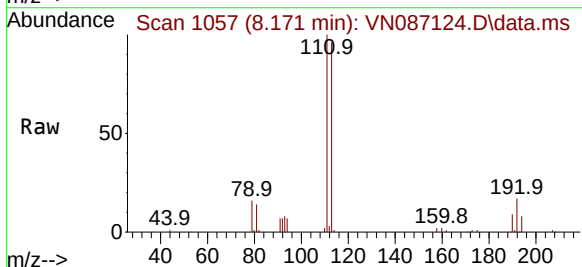
Tgt Ion:113 Resp: 115842

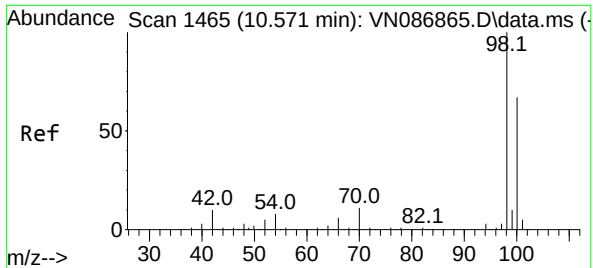
Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 17.9 14.2 21.4

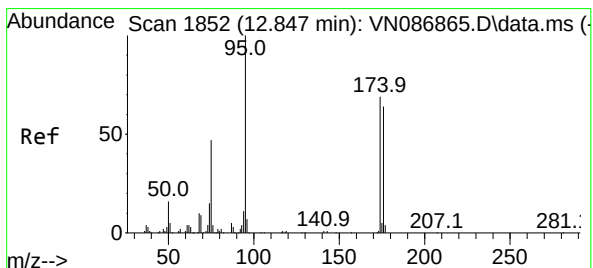
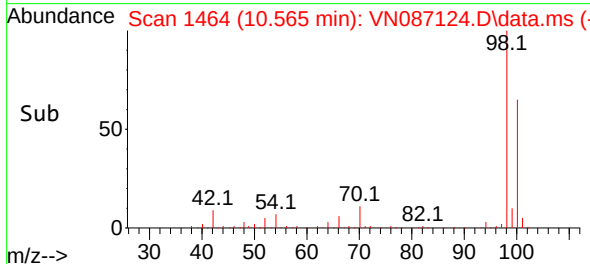
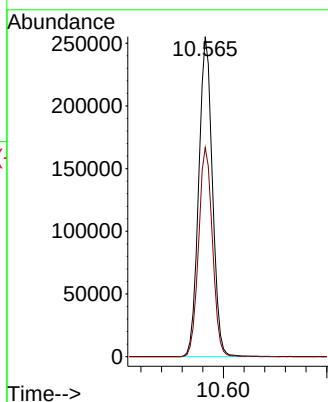
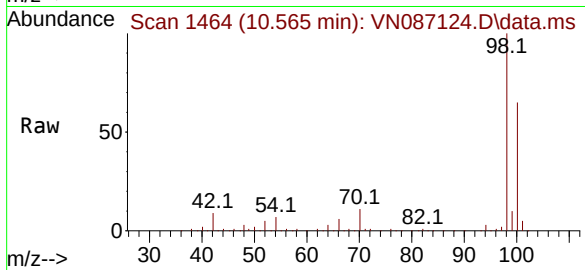




#50
Toluene-d8
Concen: 52.655 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

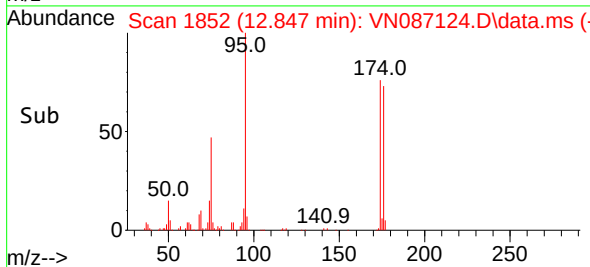
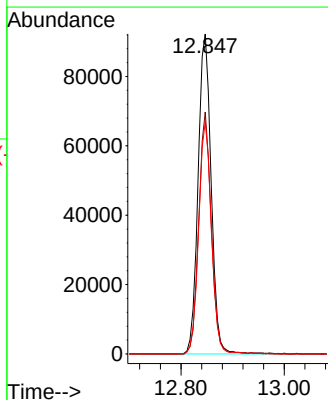
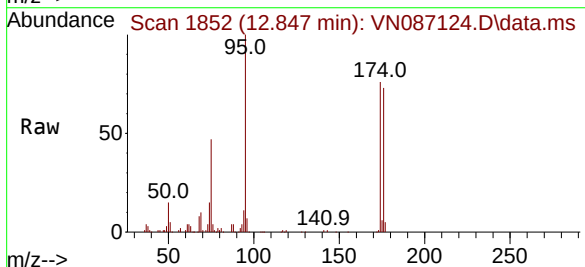
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

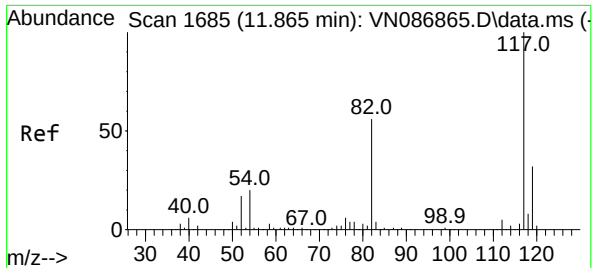
Tgt Ion: 98 Resp: 468951
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.938 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

Tgt Ion: 95 Resp: 161930
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.8
176 70.7 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

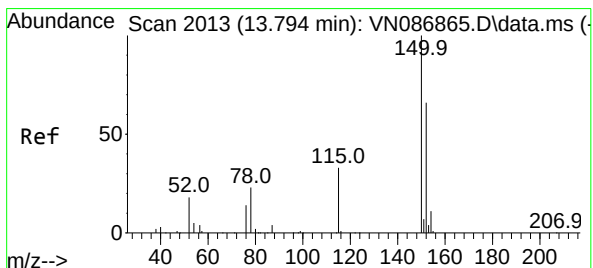
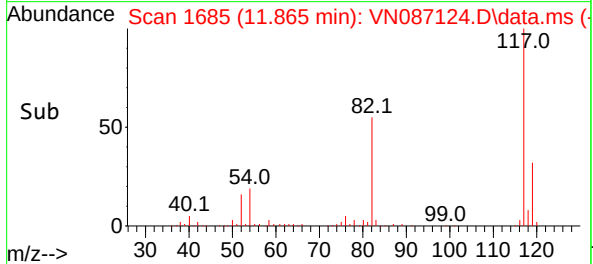
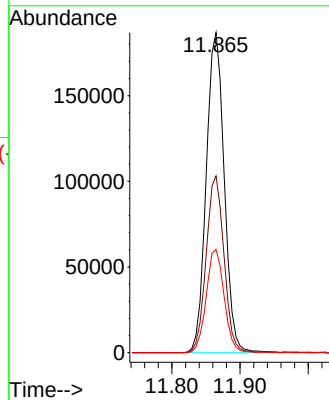
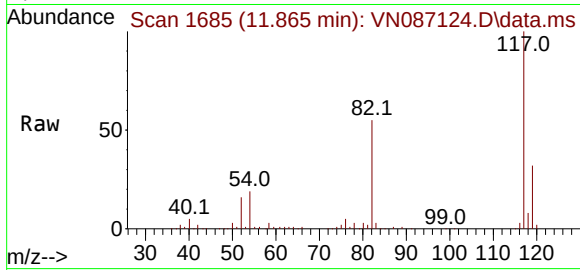
Tgt Ion:117 Resp: 343369

Ion Ratio Lower Upper

117 100

82 55.2 44.6 67.0

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

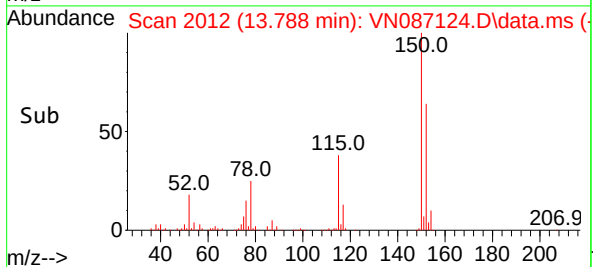
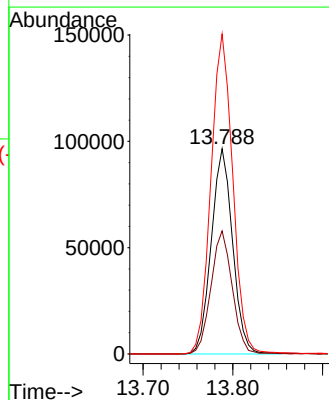
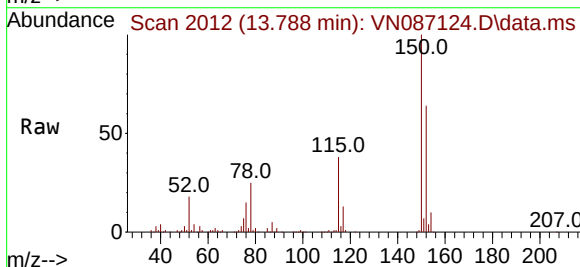
Tgt Ion:152 Resp: 159510

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 159.4 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087124.D
Acq On : 20 Jun 2025 09:46
Operator : JC\MD
Sample : VN0620WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M

Title : SW846 8260

Signal : TIC: VN087124.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.171	1047	1057	1062	rBV2	148003	370357	31.52%	6.283%
2	8.230	1062	1067	1084	rVB	242117	525565	44.72%	8.916%
3	8.583	1118	1127	1139	rBV	166565	378931	32.25%	6.429%
4	9.106	1206	1216	1227	rBV	403999	838166	71.32%	14.220%
5	10.565	1455	1464	1480	rBV	636992	1175141	100.00%	19.936%
6	11.865	1675	1685	1698	rBV	536681	981134	83.49%	16.645%
7	12.847	1844	1852	1869	rBV	409837	706638	60.13%	11.988%
8	13.788	2005	2012	2027	rBV	547182	918519	78.16%	15.583%

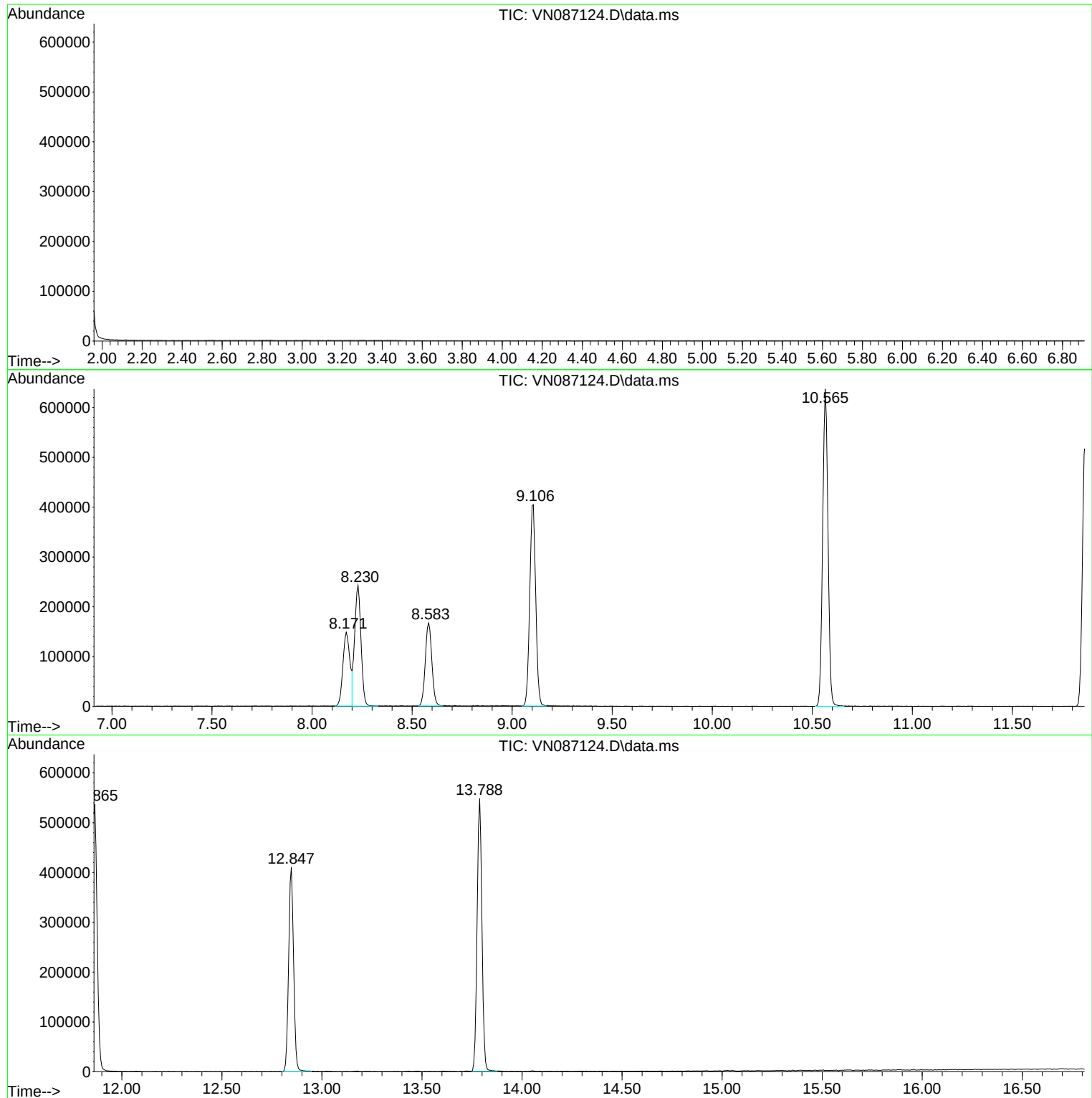
Sum of corrected areas: 5894451

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087124.D
Acq On : 20 Jun 2025 09:46
Operator : JC\MD
Sample : VN0620WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



A
B
C
D
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F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087124.D
Acq On : 20 Jun 2025 09:46
Operator : JC\MD
Sample : VN0620WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A
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J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087124.D
Acq On : 20 Jun 2025 09:46
Operator : JC\MD
Sample : VN0620WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

A

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C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046760.D
 Acq On : 19 Jun 2025 10:33
 Operator : JC/MD
 Sample : VX0619WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBL01

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Quant Time: Jun 20 05:15:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	124937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	212303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	93040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	83430	48.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.560%
35) Dibromofluoromethane	5.397	113	68758	48.950	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.900%
50) Toluene-d8	8.647	98	252224	49.979	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.960%
62) 4-Bromofluorobenzene	11.079	95	92918	49.393	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.780%

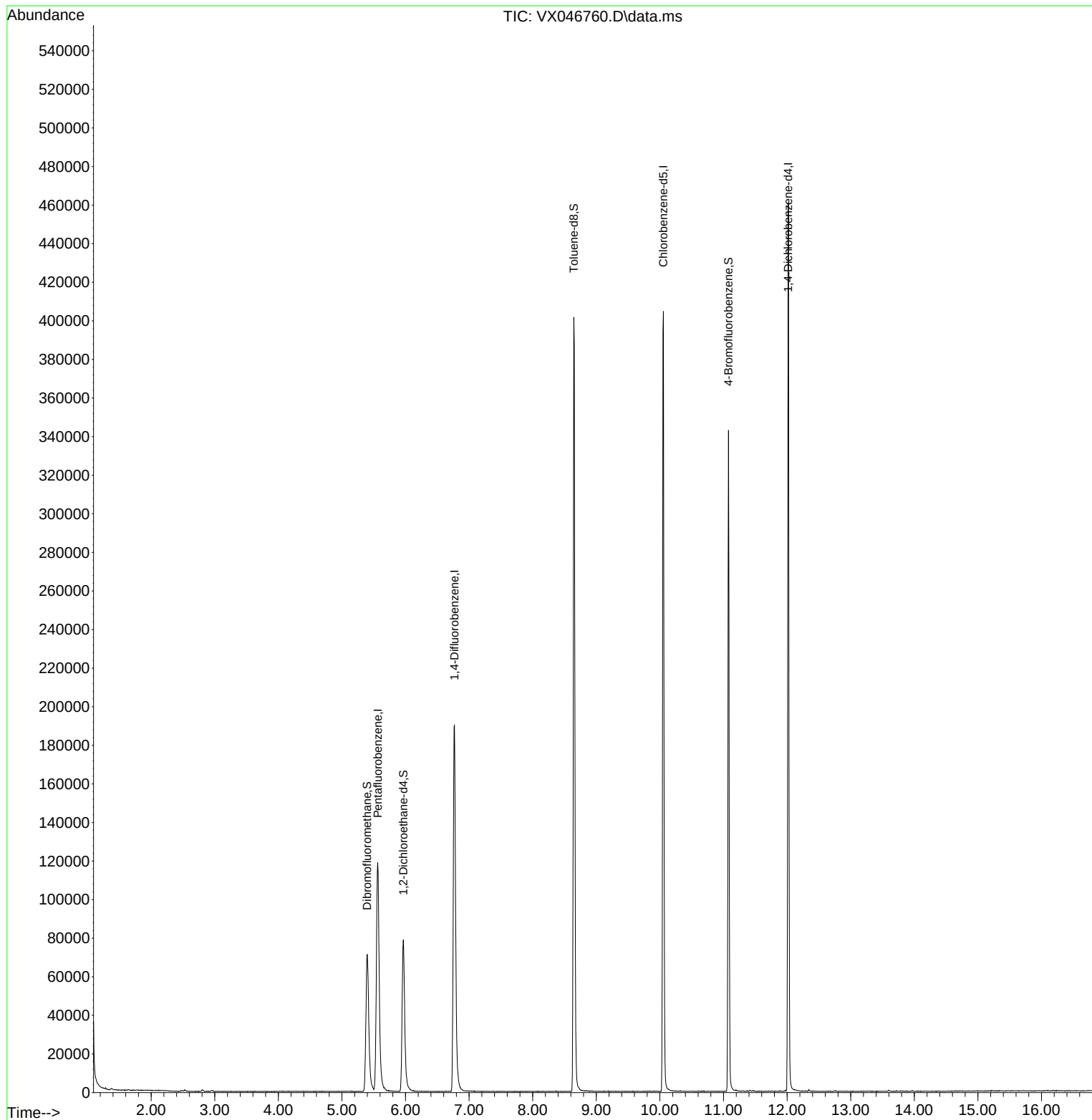
Target Compounds	Qvalue

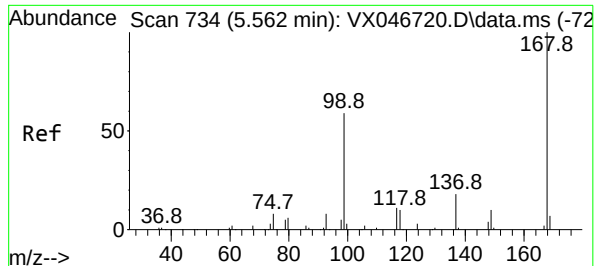
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

Quant Time: Jun 20 05:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

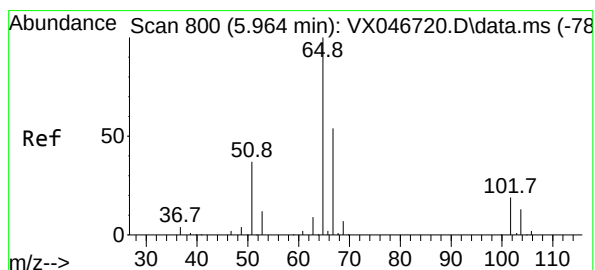
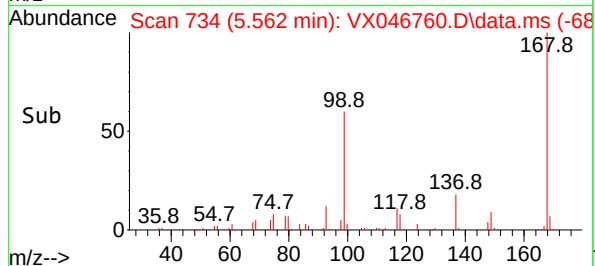
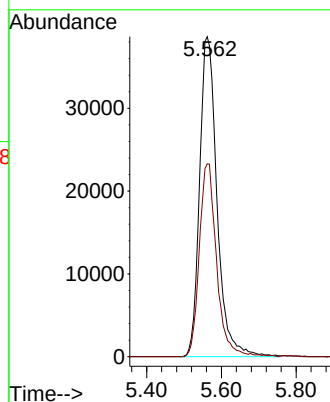
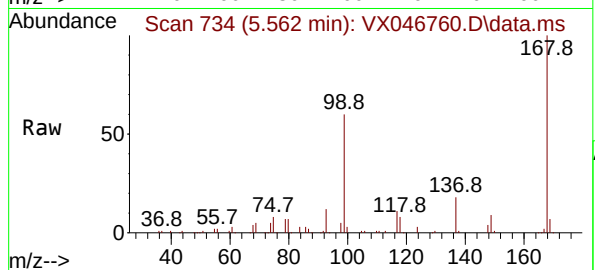




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

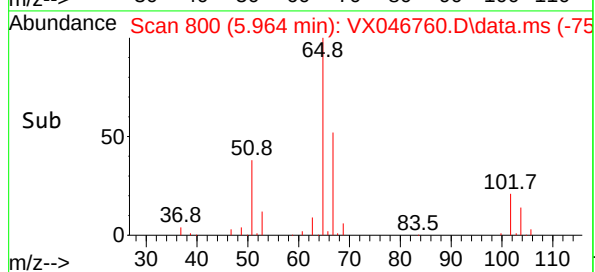
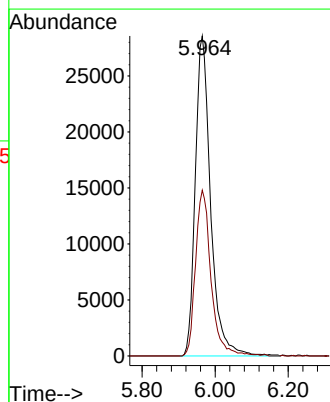
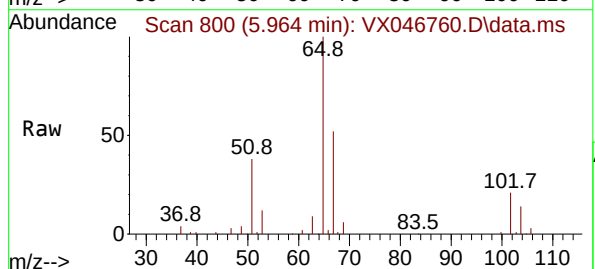
Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

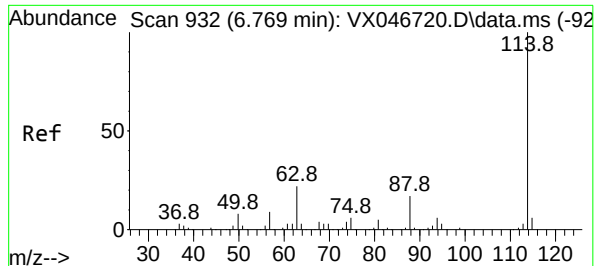
Tgt Ion:168 Resp: 124937
Ion Ratio Lower Upper
168 100
99 60.2 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 48.278 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

Tgt Ion: 65 Resp: 83430
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046760.D

Acq: 19 Jun 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBL01

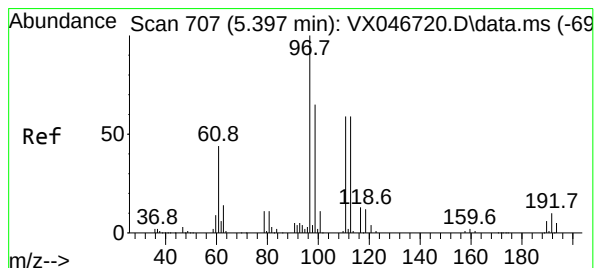
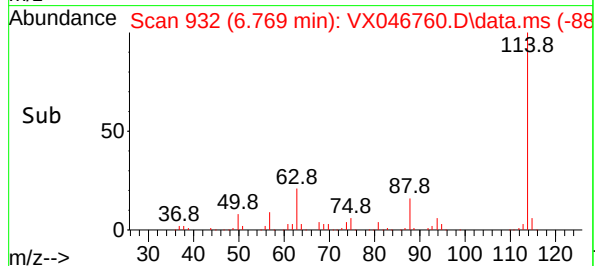
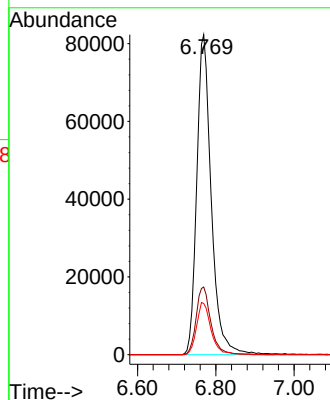
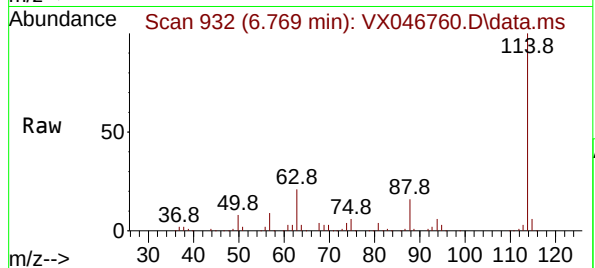
Tgt Ion:114 Resp: 212303

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.950 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046760.D

Acq: 19 Jun 2025 10:33

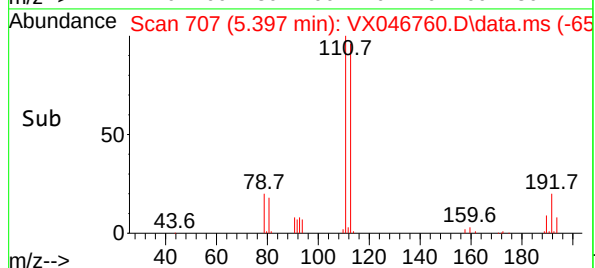
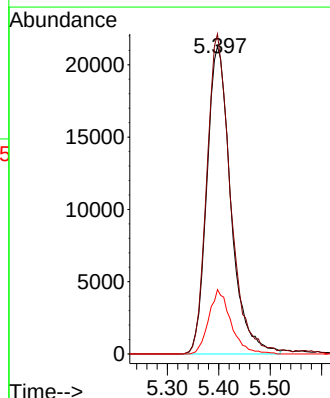
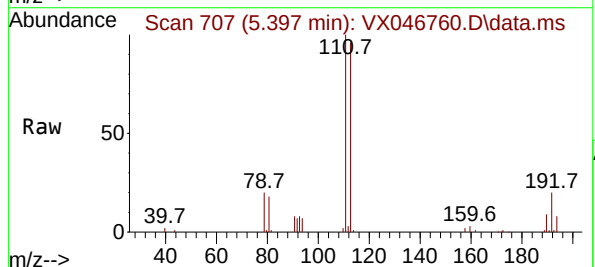
Tgt Ion:113 Resp: 68758

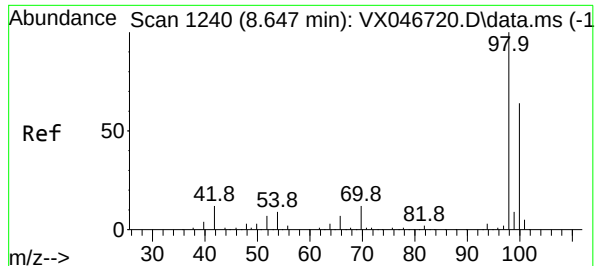
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 19.4 15.3 22.9





#50

Toluene-d8

Concen: 49.979 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046760.D

Acq: 19 Jun 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

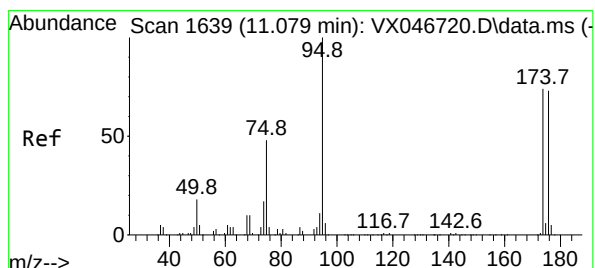
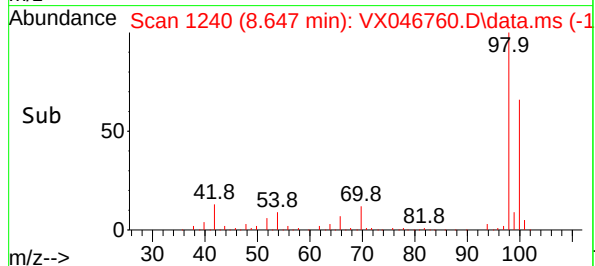
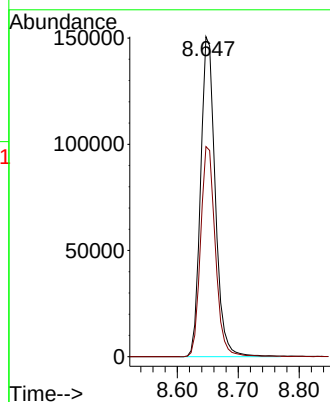
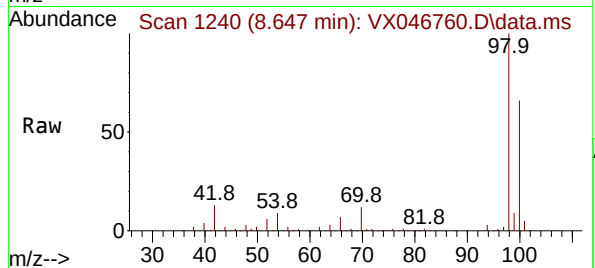
VX0619WBL01

Tgt Ion: 98 Resp: 252224

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 49.393 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046760.D

Acq: 19 Jun 2025 10:33

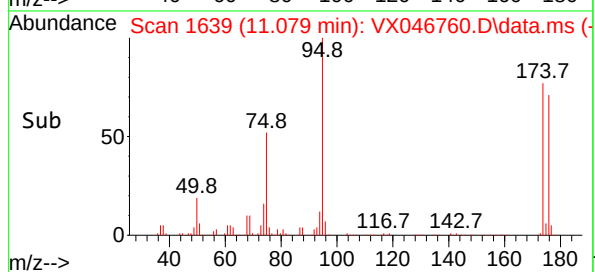
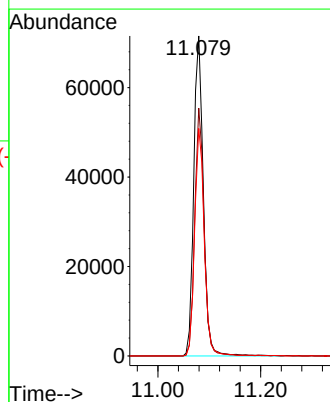
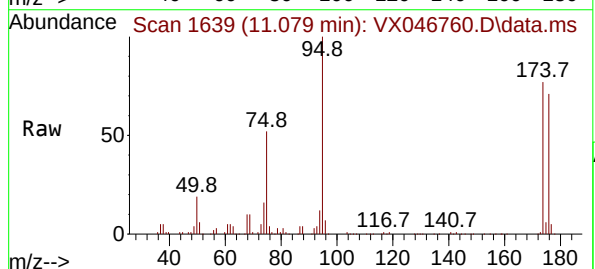
Tgt Ion: 95 Resp: 92918

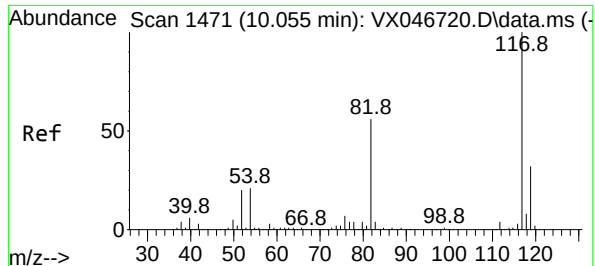
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 71.2 0.0 145.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046760.D

Acq: 19 Jun 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBL01

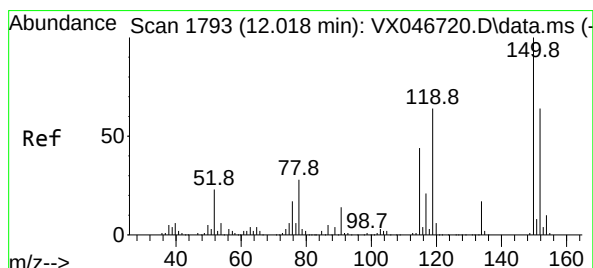
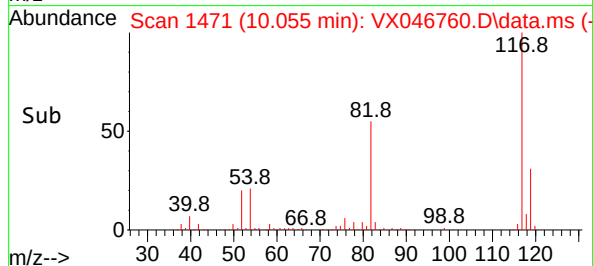
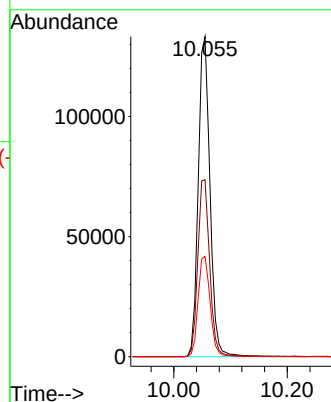
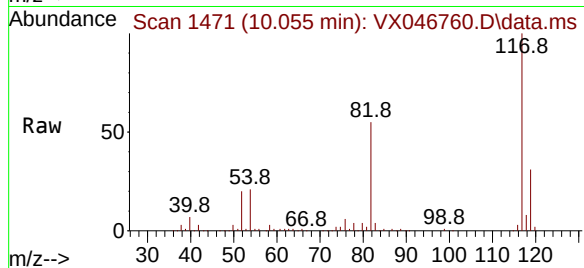
Tgt Ion:117 Resp: 191555

Ion Ratio Lower Upper

117 100

82 55.3 44.6 66.8

119 31.4 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046760.D

Acq: 19 Jun 2025 10:33

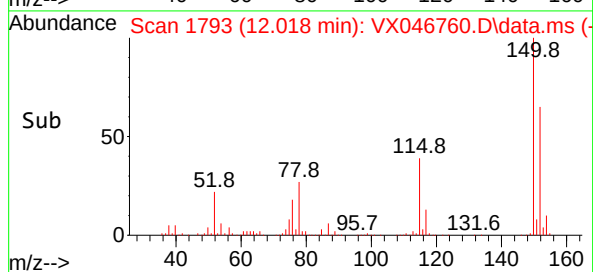
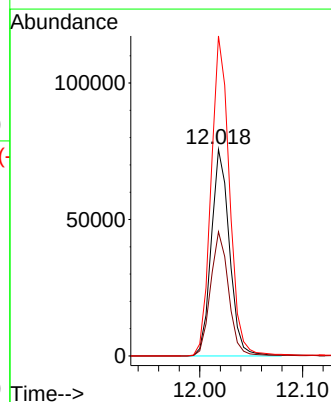
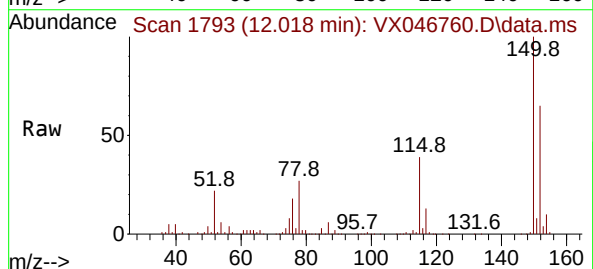
Tgt Ion:152 Resp: 93040

Ion Ratio Lower Upper

152 100

115 60.1 43.2 129.6

150 157.7 0.0 346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M

Title : SW846 8260

Signal : TIC: VX046760.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	694	707	724	rBV2	71138	226401	33.63%	6.316%
2	5.562	724	734	757	rVB2	118344	370009	54.96%	10.322%
3	5.964	791	800	818	rBV	78654	226828	33.69%	6.328%
4	6.769	923	932	954	rBV	190158	495034	73.53%	13.809%
5	8.647	1234	1240	1259	rBV	401216	673238	100.00%	18.781%
6	10.055	1465	1471	1483	rBV	404279	586443	87.11%	16.359%
7	11.079	1634	1639	1654	rBV	342631	438043	65.07%	12.220%
8	12.018	1788	1793	1808	rBV	460324	568770	84.48%	15.866%

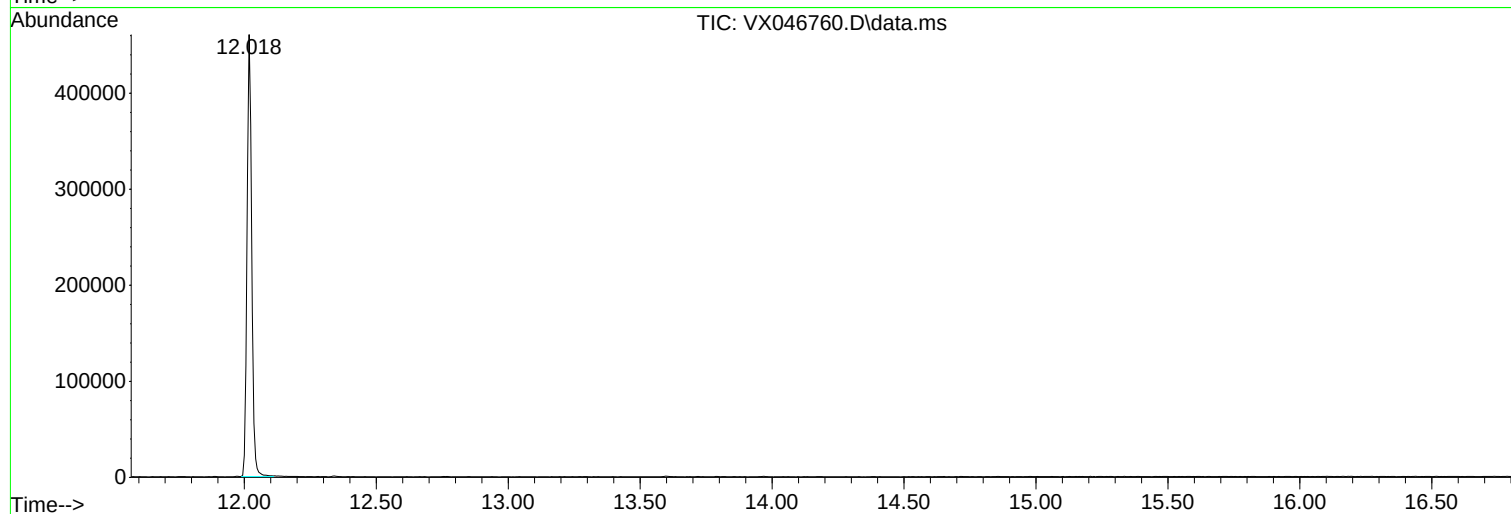
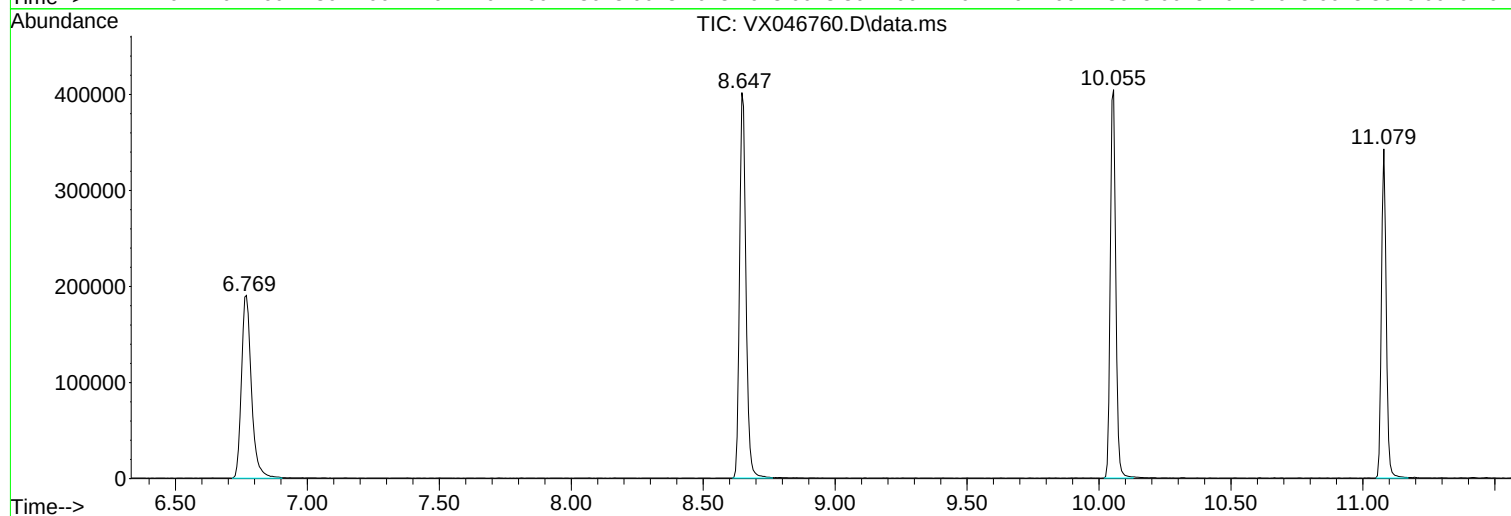
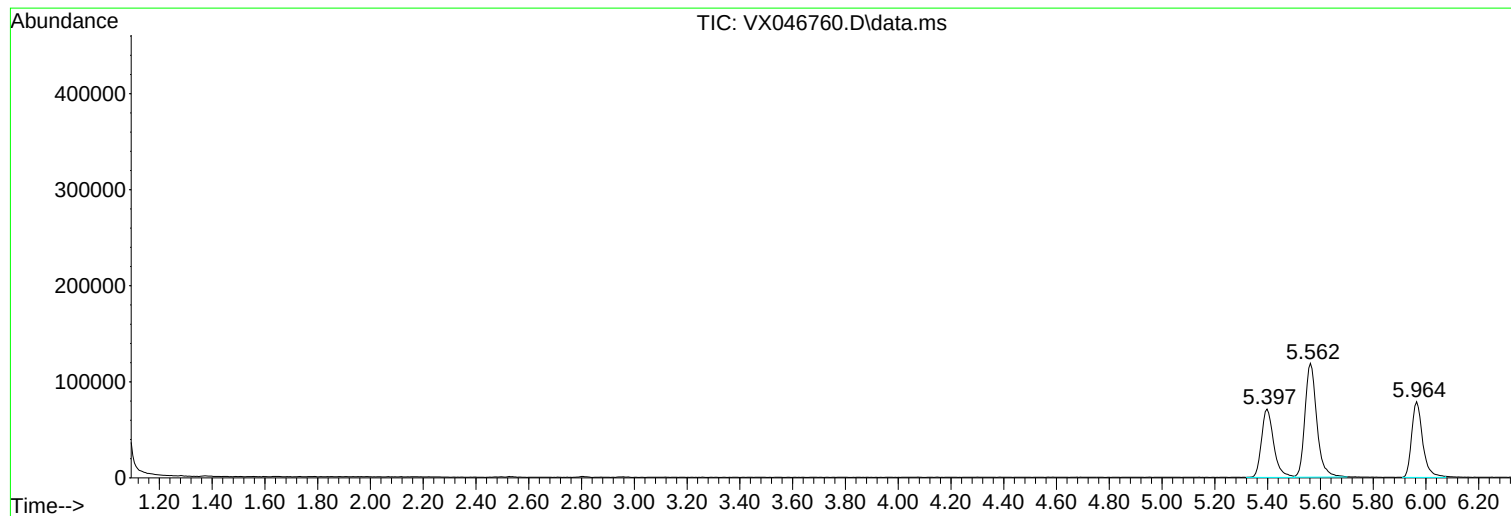
Sum of corrected areas: 3584766

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022786.D
 Acq On : 24 Jun 2025 10:25
 Operator : SY/MD
 Sample : VY0624SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 25 01:20:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	300507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	535641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	452693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	171409	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	182809	54.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.020%
35) Dibromofluoromethane	7.628	113	170594	52.369	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.740%
50) Toluene-d8	10.103	98	635701	49.179	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.360%
62) 4-Bromofluorobenzene	12.402	95	177906	42.813	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.620%

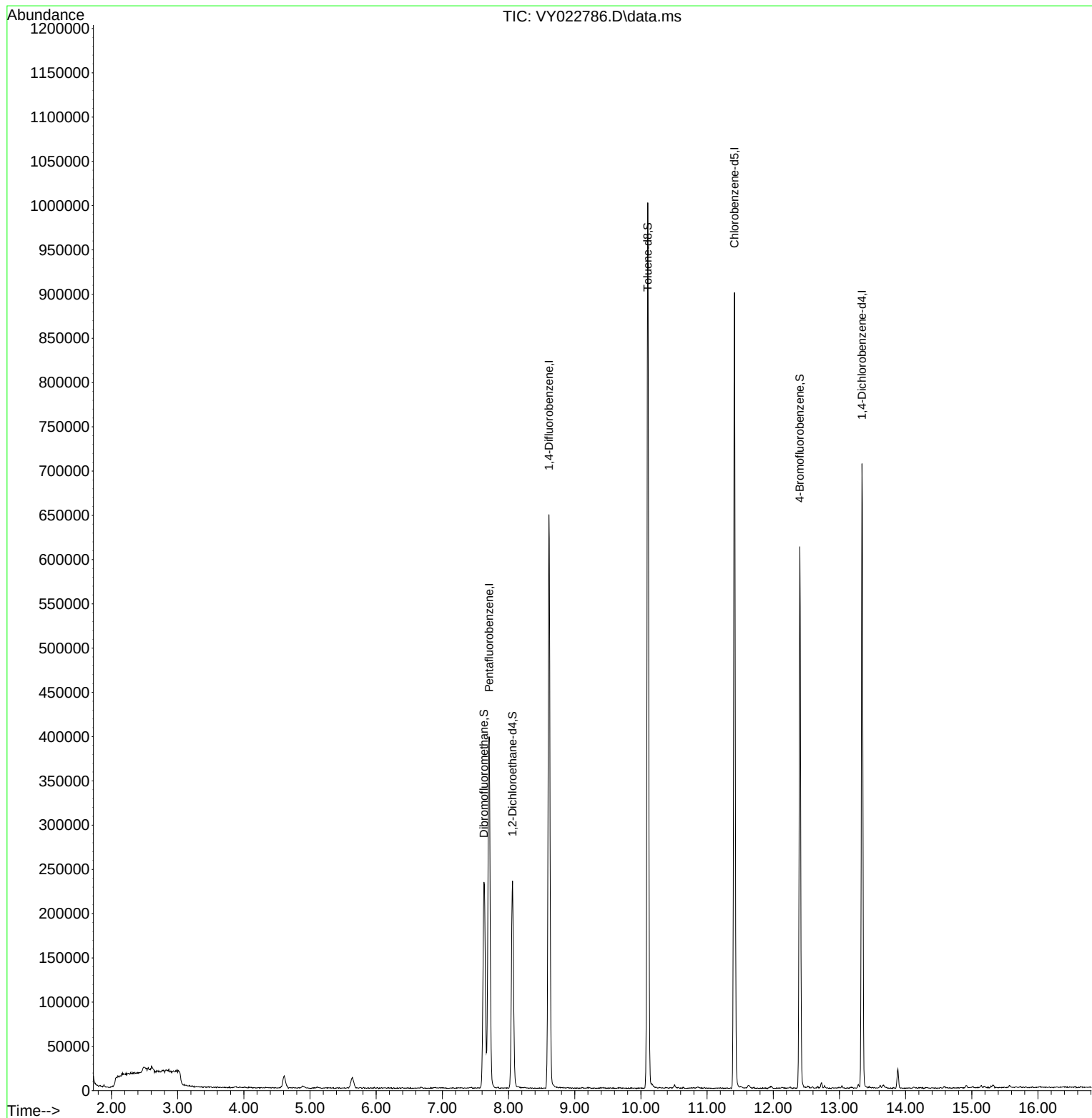
Target Compounds	Qvalue

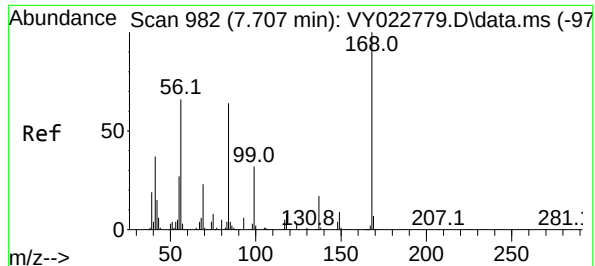
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Time: Jun 25 01:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

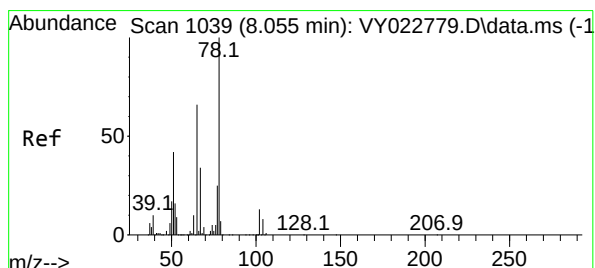
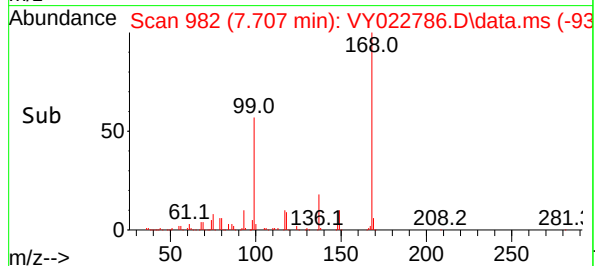
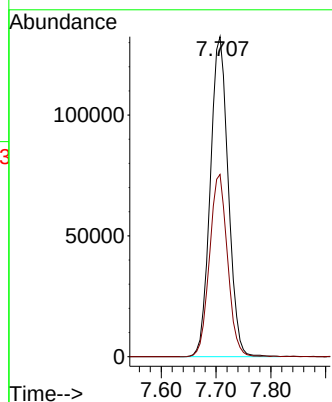
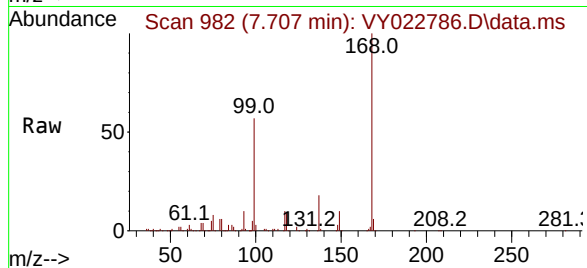




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

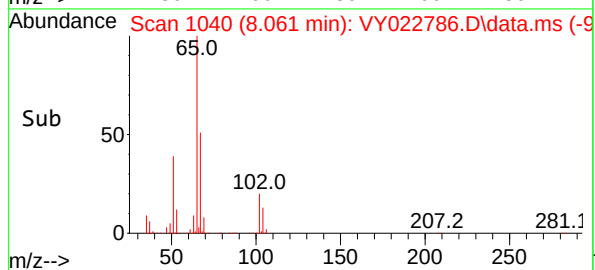
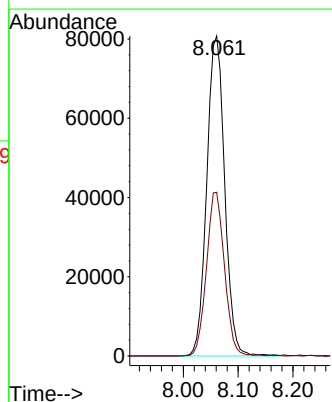
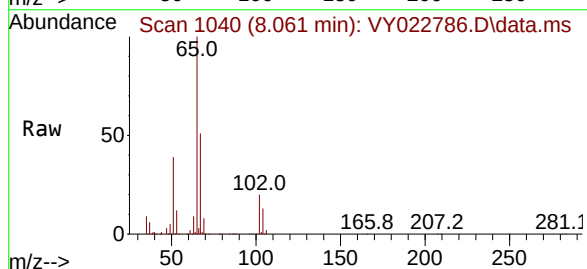
Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

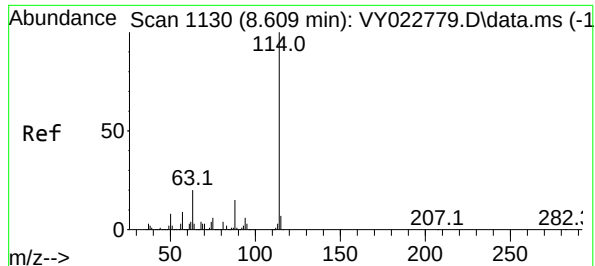
Tgt Ion:168 Resp: 300507
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.505 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion: 65 Resp: 182809
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022786.D

Acq: 24 Jun 2025 10:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0624SBL01

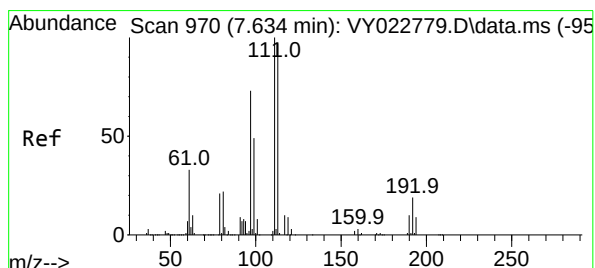
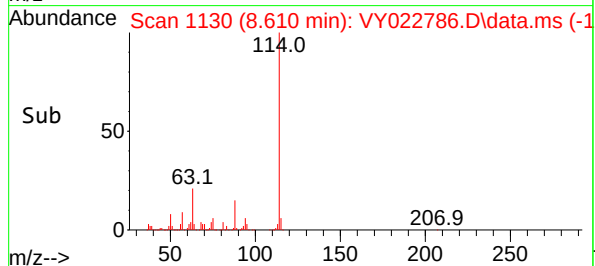
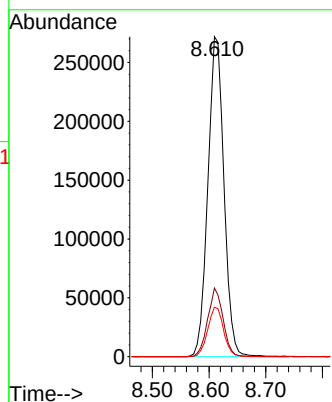
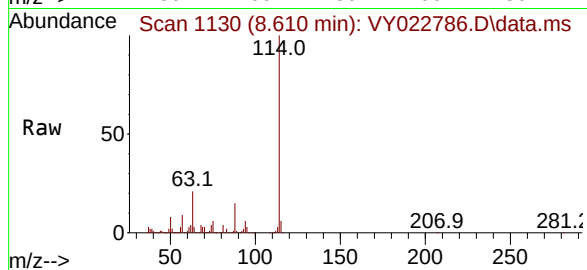
Tgt Ion:114 Resp: 535641

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.369 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022786.D

Acq: 24 Jun 2025 10:25

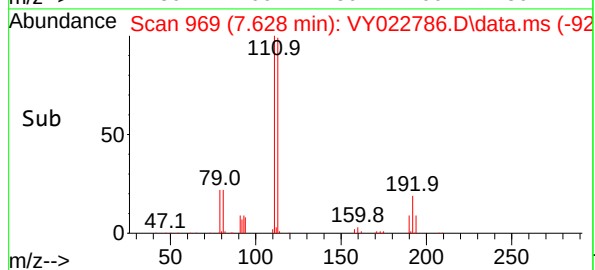
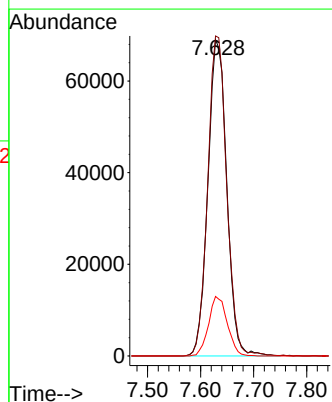
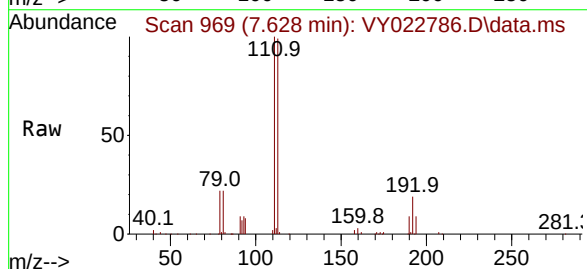
Tgt Ion:113 Resp: 170594

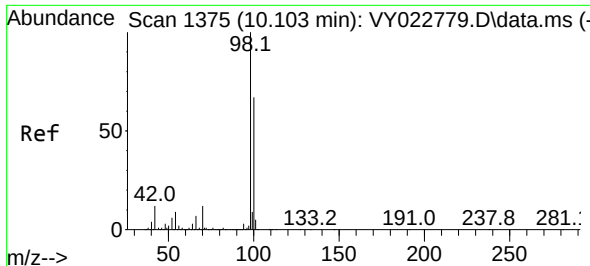
Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

192 18.7 14.2 21.2





#50

Toluene-d8

Concen: 49.179 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022786.D

Acq: 24 Jun 2025 10:25

Instrument :

MSVOA_Y

ClientSampleId :

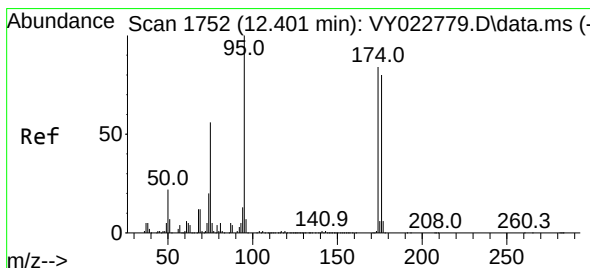
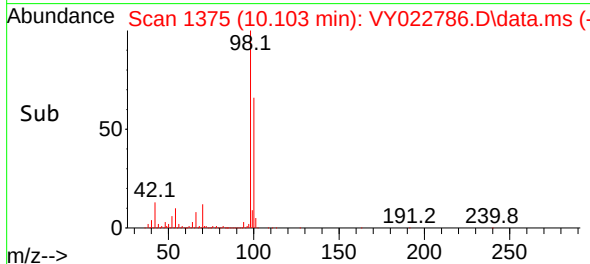
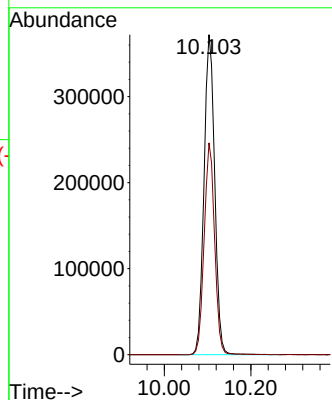
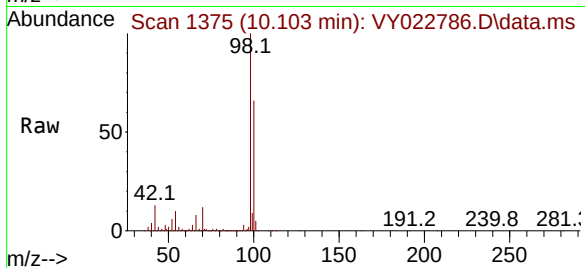
VY0624SBL01

Tgt Ion: 98 Resp: 635701

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 42.813 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022786.D

Acq: 24 Jun 2025 10:25

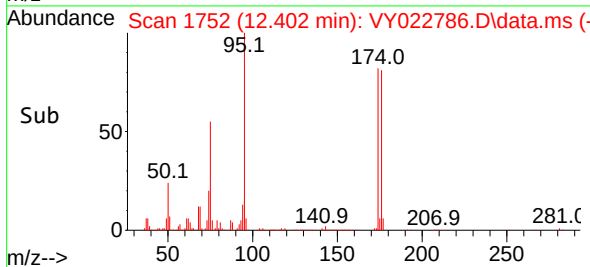
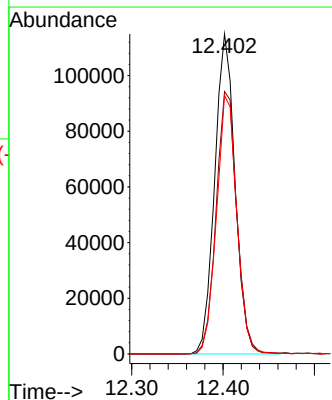
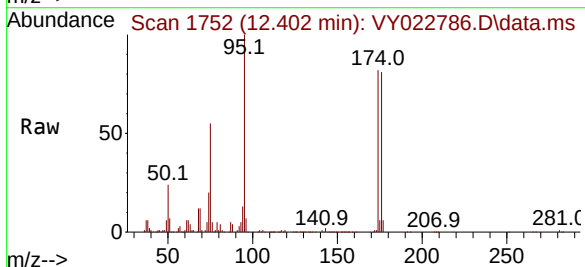
Tgt Ion: 95 Resp: 177906

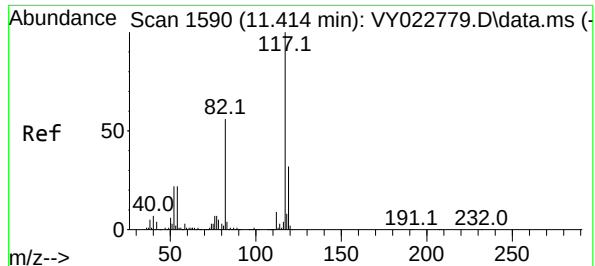
Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.0

176 80.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022786.D

Acq: 24 Jun 2025 10:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0624SBL01

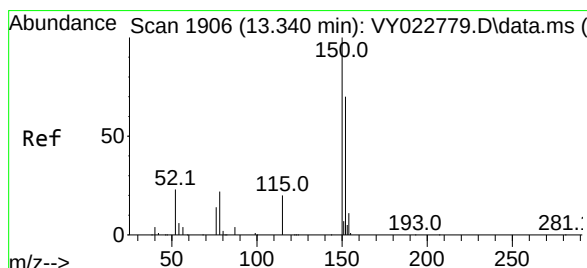
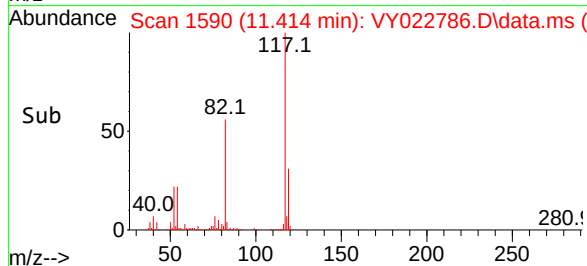
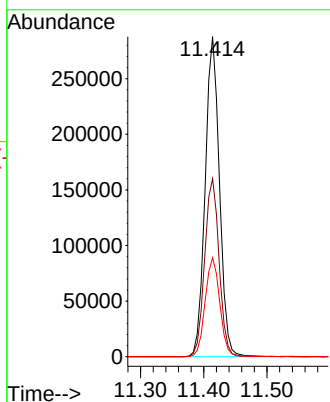
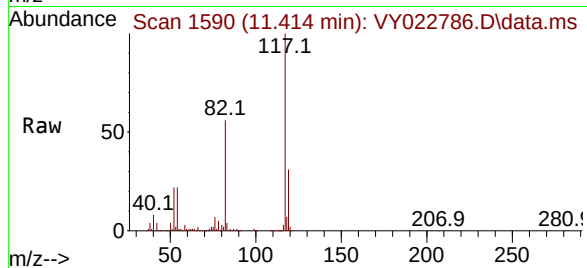
Tgt Ion:117 Resp: 452693

Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 30.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022786.D

Acq: 24 Jun 2025 10:25

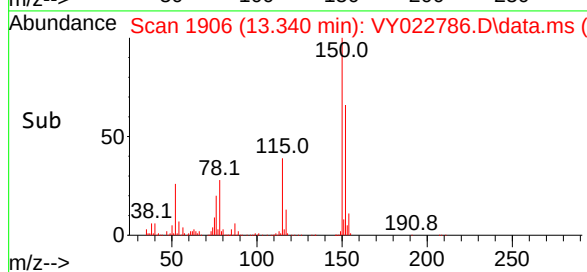
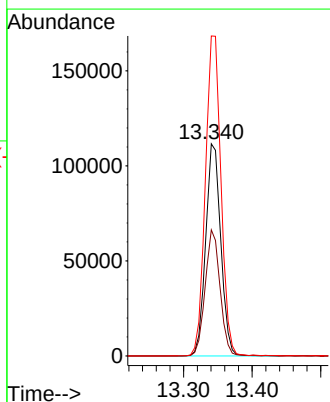
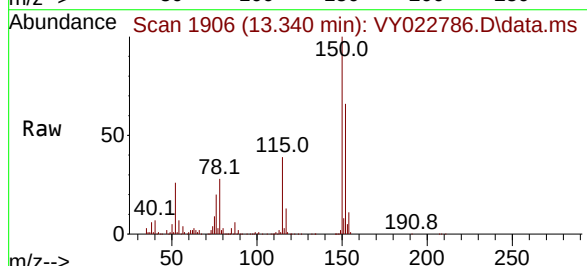
Tgt Ion:152 Resp: 171409

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 155.7 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022786.D
 Acq On : 24 Jun 2025 10:25
 Operator : SY/MD
 Sample : VY0624SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022786.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	60	rBV5	10406	24062	1.41%	0.279%
2	4.610	463	474	481	rBV3	13772	39856	2.34%	0.462%
3	5.641	633	643	651	rBV5	12228	37602	2.21%	0.436%
4	7.628	959	969	975	rBV	232756	565797	33.23%	6.562%
5	7.707	975	982	996	rVB	396496	915491	53.77%	10.617%
6	8.061	1029	1040	1050	rBV2	234440	523664	30.75%	6.073%
7	8.610	1122	1130	1149	rBV	648287	1282735	75.33%	14.877%
8	10.103	1365	1375	1383	rBV	1000922	1702759	100.00%	19.748%
9	11.414	1582	1590	1603	rBV	899440	1441043	84.63%	16.713%
10	12.402	1744	1752	1762	rBV	612077	966073	56.74%	11.204%
11	13.340	1900	1906	1918	rVB	704619	1087428	63.86%	12.611%
12	13.883	1989	1995	2002	rBV3	21846	36006	2.11%	0.418%

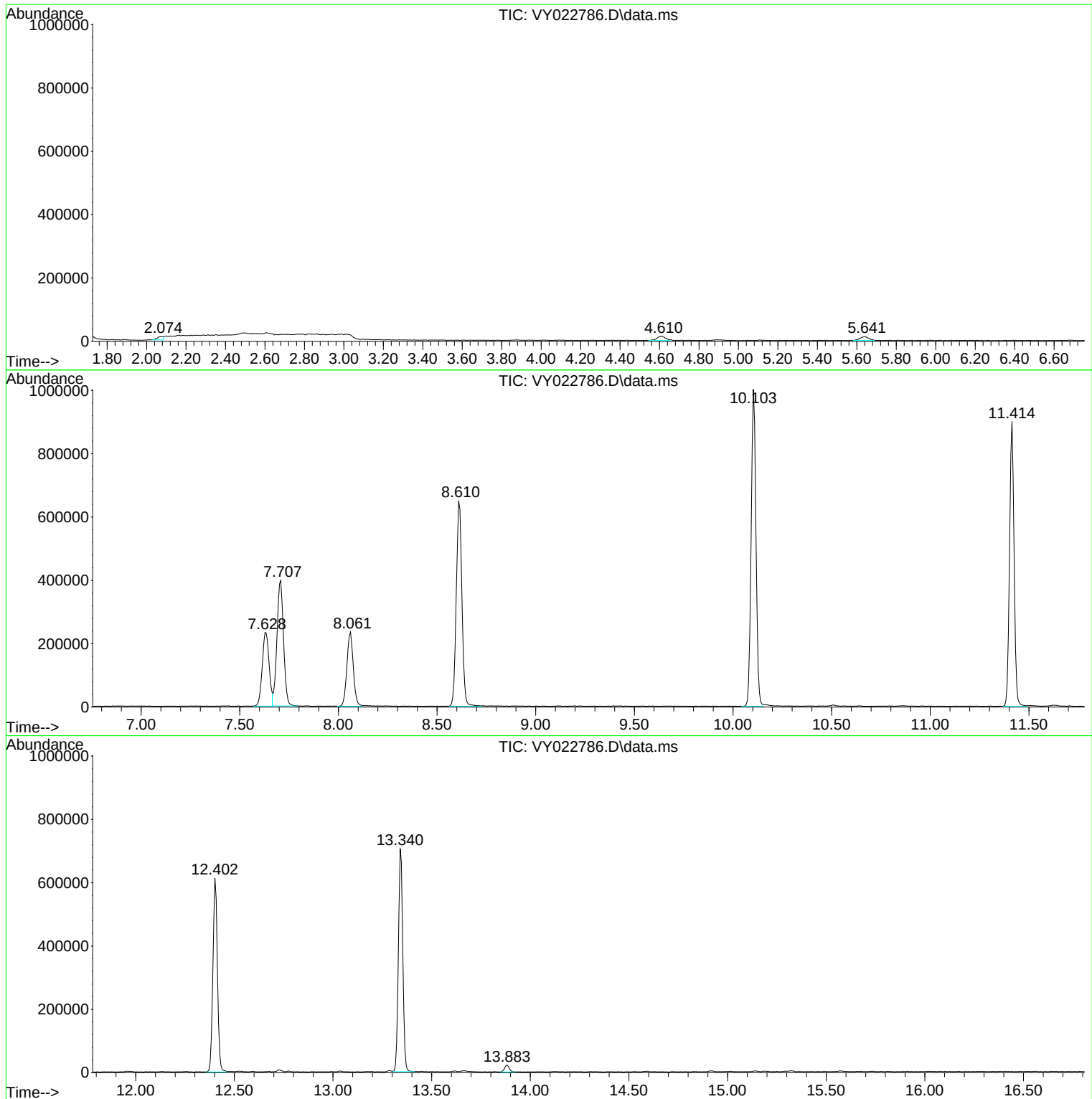
Sum of corrected areas: 8622516

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087138.D
 Acq On : 20 Jun 2025 14:48
 Operator : JC\MD
 Sample : VN0620MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	157684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136861	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	97419	46.144	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.280%
35) Dibromofluoromethane	8.171	113	88968	54.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.560%
50) Toluene-d8	10.565	98	343777	52.979	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.960%
62) 4-Bromofluorobenzene	12.847	95	122657	50.877	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.760%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.154	85	31222	19.859	ug/l	99
3) Chloromethane	2.401	50	33279	16.392	ug/l	99
4) Vinyl Chloride	2.554	62	43027	20.545	ug/l	100
5) Bromomethane	3.001	94	24709	21.083	ug/l	95
6) Chloroethane	3.159	64	25441	18.806	ug/l	94
7) Trichlorofluoromethane	3.530	101	49764	18.187	ug/l	97
8) Diethyl Ether	3.983	74	23946	20.086	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.401	101	35481	20.639	ug/l	99
10) Methyl Iodide	4.618	142	22700	10.186	ug/l #	96
11) Tert butyl alcohol	5.530	59	43413	75.783	ug/l	99
12) 1,1-Dichloroethene	4.371	96	36142	20.593	ug/l	95
13) Acrolein	4.206	56	20508	113.098	ug/l	97
14) Allyl chloride	5.053	41	51049	17.539	ug/l	96
15) Acrylonitrile	5.736	53	119401	89.174	ug/l	100
16) Acetone	4.448	43	88730	79.252	ug/l	99
17) Carbon Disulfide	4.736	76	100527	20.707	ug/l	96
18) Methyl Acetate	5.048	43	51748	15.861	ug/l	94
19) Methyl tert-butyl Ether	5.812	73	122752	19.317	ug/l	99
20) Methylene Chloride	5.300	84	40366	19.258	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	38358	19.644	ug/l	93
22) Diisopropyl ether	6.689	45	107809	17.571	ug/l	98
23) Vinyl Acetate	6.618	43	481515	92.888	ug/l	99
24) 1,1-Dichloroethane	6.583	63	70183	19.877	ug/l	99
25) 2-Butanone	7.489	43	131081	72.028	ug/l	98
26) 2,2-Dichloropropane	7.500	77	52481	19.108	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	42331	18.127	ug/l	98
28) Bromochloromethane	7.824	49	30092	17.334	ug/l	95
29) Tetrahydrofuran	7.847	42	88659	74.785	ug/l	96
30) Chloroform	7.971	83	62338	17.679	ug/l	97
31) Cyclohexane	8.265	56	57067	16.666	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	56031	18.683	ug/l	95
36) 1,1-Dichloropropene	8.377	75	46242	18.932	ug/l	98
37) Ethyl Acetate	7.565	43	52272	16.811	ug/l	96
38) Carbon Tetrachloride	8.365	117	46082	19.217	ug/l	99
39) Methylcyclohexane	9.600	83	52917	15.813	ug/l	98
40) Benzene	8.612	78	150830	18.884	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087138.D
 Acq On : 20 Jun 2025 14:48
 Operator : JC\MD
 Sample : VN0620MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27760	15.897	ug/l	95
42) 1,2-Dichloroethane	8.671	62	44728	18.463	ug/l	100
43) Isopropyl Acetate	8.688	43	78108	15.651	ug/l	96
44) Trichloroethene	9.353	130	37089	19.584	ug/l	98
45) 1,2-Dichloropropane	9.624	63	35297	18.165	ug/l	100
46) Dibromomethane	9.712	93	24035	18.622	ug/l	98
47) Bromodichloromethane	9.888	83	52466	19.757	ug/l	99
48) Methyl methacrylate	9.683	41	35273	15.357	ug/l	94
49) 1,4-Dioxane	9.694	88	12050	288.372	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	256020	85.218	ug/l	98
52) Toluene	10.630	92	96538	19.778	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	50673	17.065	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	57203	18.004	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	36763	19.574	ug/l	97
56) Ethyl methacrylate	10.882	69	53259	17.804	ug/l	95
57) 1,3-Dichloropropane	11.165	76	64005	19.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	164903	92.421	ug/l	99
59) 2-Hexanone	11.206	43	138913	71.783	ug/l	92
60) Dibromochloromethane	11.359	129	39062	19.962	ug/l	99
61) 1,2-Dibromoethane	11.465	107	37827	19.649	ug/l	99
64) Tetrachloroethene	11.100	164	27137	16.389	ug/l	98
65) Chlorobenzene	11.888	112	102726	17.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	29389	15.844	ug/l	97
67) Ethyl Benzene	11.959	91	154262	15.520	ug/l	99
68) m/p-Xylenes	12.071	106	129805	34.115	ug/l	98
69) o-Xylene	12.394	106	65487	17.971	ug/l	94
70) Styrene	12.412	104	111151	17.825	ug/l	98
71) Bromoform	12.576	173	25400	18.481	ug/l #	100
73) Isopropylbenzene	12.694	105	165177	16.567	ug/l	99
74) N-amyl acetate	12.541	43	56328m	16.167	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	59046	17.481	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	55372m	17.021	ug/l	
77) Bromobenzene	12.976	156	41227	18.030	ug/l	97
78) n-propylbenzene	13.035	91	202880	16.744	ug/l	100
79) 2-Chlorotoluene	13.123	91	122858	16.907	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	142152	17.269	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	21196	14.998	ug/l	96
82) 4-Chlorotoluene	13.218	91	120652	16.410	ug/l	99
83) tert-Butylbenzene	13.435	119	117298	15.567	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	138439	16.771	ug/l	99
85) sec-Butylbenzene	13.612	105	168796	15.425	ug/l	99
86) p-Isopropyltoluene	13.723	119	141027	15.591	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	82382	18.312	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	83902	18.293	ug/l	99
89) n-Butylbenzene	14.053	91	129215	14.748	ug/l	98
90) Hexachloroethane	14.329	117	26223	17.103	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	79370	18.364	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13277	16.436	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	42757	15.492	ug/l	96
94) Hexachlorobutadiene	15.494	225	12637	12.290	ug/l	95
95) Naphthalene	15.635	128	163050	15.872	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	41187	15.020	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087138.D
Acq On : 20 Jun 2025 14:48
Operator : JC\MD
Sample : VN0620MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 20 23:06:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0620MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

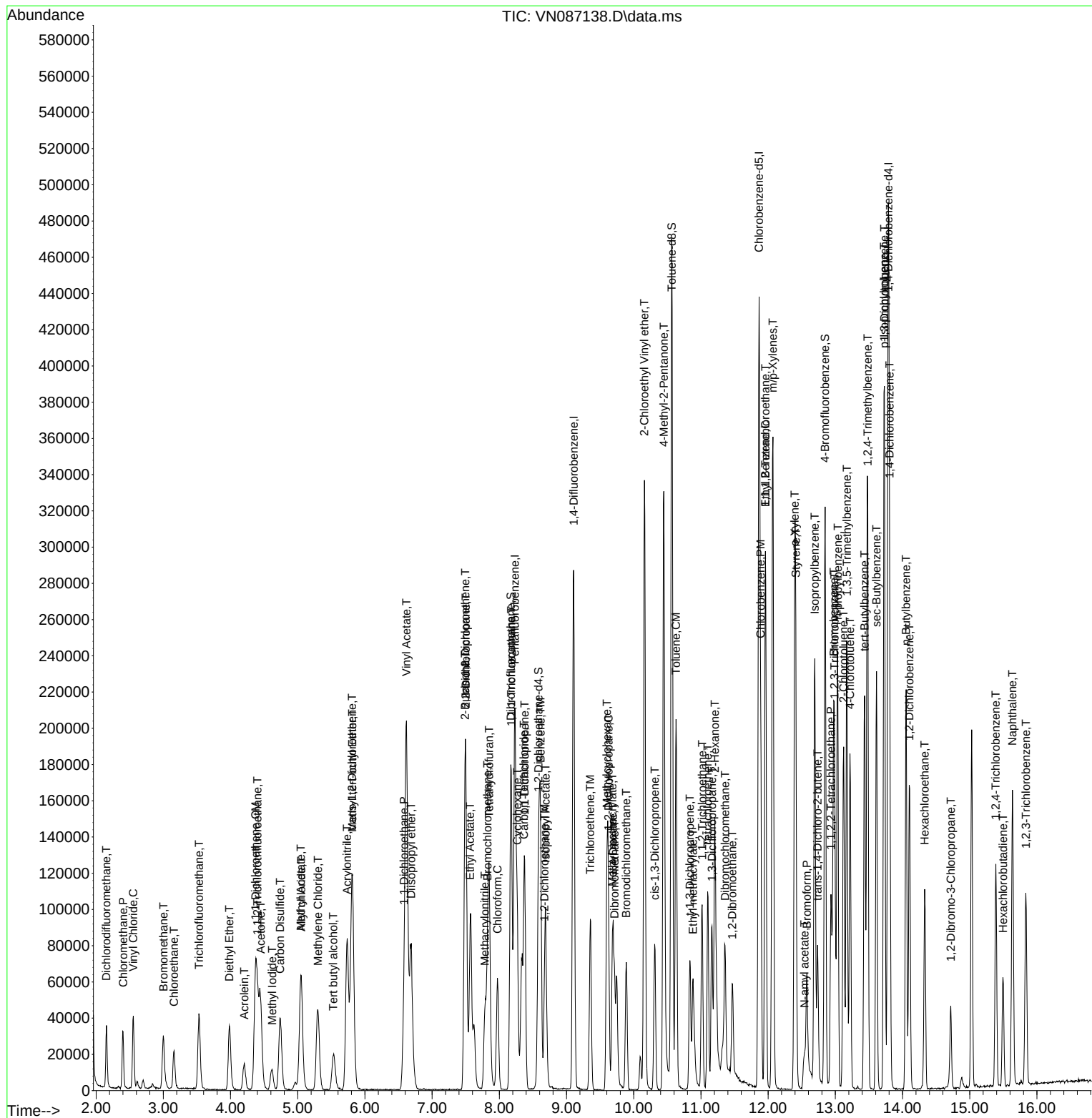
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087138.D
 Acq On : 20 Jun 2025 14:48
 Operator : JC\MD
 Sample : VN0620MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087125.D
 Acq On : 20 Jun 2025 10:06
 Operator : JC\MD
 Sample : VN0620WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:00:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	175525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	309350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	111494	47.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.880%		
35) Dibromofluoromethane	8.171	113	96700	52.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.500%		
50) Toluene-d8	10.565	98	355225	48.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.900%		
62) 4-Bromofluorobenzene	12.847	95	136582	50.654	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.159	85	30859	17.633	ug/l	100
3) Chloromethane	2.395	50	34603	15.312	ug/l	95
4) Vinyl Chloride	2.553	62	42994	18.443	ug/l	99
5) Bromomethane	3.000	94	25149	19.277	ug/l	97
6) Chloroethane	3.159	64	27956	18.565	ug/l	100
7) Trichlorofluoromethane	3.536	101	55203	18.124	ug/l	100
8) Diethyl Ether	3.983	74	23264	17.530	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.406	101	35934	18.778	ug/l	98
10) Methyl Iodide	4.612	142	24782	9.990	ug/l #	97
11) Tert butyl alcohol	5.524	59	45018	70.597	ug/l	100
12) 1,1-Dichloroethene	4.371	96	35917	18.385	ug/l	97
13) Acrolein	4.200	56	21752	107.765	ug/l	100
14) Allyl chloride	5.047	41	51986	16.045	ug/l	95
15) Acrylonitrile	5.736	53	118578	79.558	ug/l	100
16) Acetone	4.441	43	92348	74.100	ug/l	95
17) Carbon Disulfide	4.741	76	101940	18.864	ug/l	97
18) Methyl Acetate	5.047	43	50085	13.791	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	121025	17.109	ug/l	100
20) Methylene Chloride	5.300	84	40748	17.464	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	37858	17.417	ug/l	98
22) Diisopropyl ether	6.683	45	112953	16.539	ug/l	95
23) Vinyl Acetate	6.618	43	484866	84.028	ug/l	98
24) 1,1-Dichloroethane	6.583	63	70548	17.950	ug/l	99
25) 2-Butanone	7.494	43	148626	73.368	ug/l	93
26) 2,2-Dichloropropane	7.500	77	61766	20.203	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	46293	17.808	ug/l	99
28) Bromochloromethane	7.818	49	29768	15.404	ug/l	93
29) Tetrahydrofuran	7.847	42	99229	75.194	ug/l	96
30) Chloroform	7.971	83	68661	17.493	ug/l	99
31) Cyclohexane	8.265	56	60904	15.979	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	59190	17.730	ug/l	95
36) 1,1-Dichloropropene	8.377	75	50676	18.551	ug/l	99
37) Ethyl Acetate	7.565	43	58289	16.762	ug/l	99
38) Carbon Tetrachloride	8.371	117	50681	18.897	ug/l	97
39) Methylcyclohexane	9.606	83	57910	15.473	ug/l	98
40) Benzene	8.612	78	162046	18.140	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087125.D
 Acq On : 20 Jun 2025 10:06
 Operator : JC\MD
 Sample : VN0620WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:00:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	30884	15.813	ug/l	95
42) 1,2-Dichloroethane	8.671	62	48988	18.080	ug/l	99
43) Isopropyl Acetate	8.688	43	89202	15.982	ug/l	96
44) Trichloroethene	9.359	130	39731	18.757	ug/l	92
45) 1,2-Dichloropropane	9.623	63	39587	18.215	ug/l	99
46) Dibromomethane	9.706	93	27680	19.175	ug/l	97
47) Bromodichloromethane	9.888	83	54153	18.233	ug/l	100
48) Methyl methacrylate	9.682	41	39652	15.435	ug/l	93
49) 1,4-Dioxane	9.706	88	14722	315.010	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	274071	81.566	ug/l	99
52) Toluene	10.629	92	100814	18.467	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	60478	18.211	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	65112	18.324	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	39117	18.622	ug/l	98
56) Ethyl methacrylate	10.882	69	56904	17.008	ug/l	96
57) 1,3-Dichloropropane	11.159	76	66495	18.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	186921	93.668	ug/l	98
59) 2-Hexanone	11.206	43	155665	71.922	ug/l	97
60) Dibromochloromethane	11.359	129	41541	18.981	ug/l	100
61) 1,2-Dibromoethane	11.470	107	38593	17.925	ug/l	100
64) Tetrachloroethene	11.106	164	31373	17.938	ug/l	95
65) Chlorobenzene	11.888	112	111752	18.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	36027	18.388	ug/l	98
67) Ethyl Benzene	11.965	91	182457	17.379	ug/l	99
68) m/p-Xylenes	12.070	106	145543	36.215	ug/l	98
69) o-Xylene	12.394	106	69256	17.993	ug/l	96
70) Styrene	12.412	104	118347	17.968	ug/l	99
71) Bromoform	12.576	173	27315	18.816	ug/l #	99
73) Isopropylbenzene	12.694	105	174431	17.129	ug/l	100
74) N-amyl acetate	12.535	43	57304m	16.103	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	60134	17.430	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	57810m	17.398	ug/l	
77) Bromobenzene	12.976	156	41900	17.941	ug/l	97
78) n-propylbenzene	13.029	91	205013	16.566	ug/l	99
79) 2-Chlorotoluene	13.123	91	123820	16.683	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	143011	17.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	23961	16.600	ug/l #	90
82) 4-Chlorotoluene	13.217	91	129411	17.233	ug/l	99
83) tert-Butylbenzene	13.435	119	120615	15.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	142065	16.850	ug/l	100
85) sec-Butylbenzene	13.611	105	172448	15.429	ug/l	99
86) p-Isopropyltoluene	13.723	119	144541	15.645	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	82764	18.012	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	83417	17.806	ug/l	98
89) n-Butylbenzene	14.053	91	127349	14.231	ug/l	100
90) Hexachloroethane	14.329	117	26252	16.763	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	77812	17.626	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12270	14.871	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	42639	15.126	ug/l	99
94) Hexachlorobutadiene	15.494	225	11909	11.339	ug/l	98
95) Naphthalene	15.635	128	159170	15.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	41264	14.733	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
Data File : VN087125.D
Acq On : 20 Jun 2025 10:06
Operator : JC\MD
Sample : VN0620WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 23:00:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

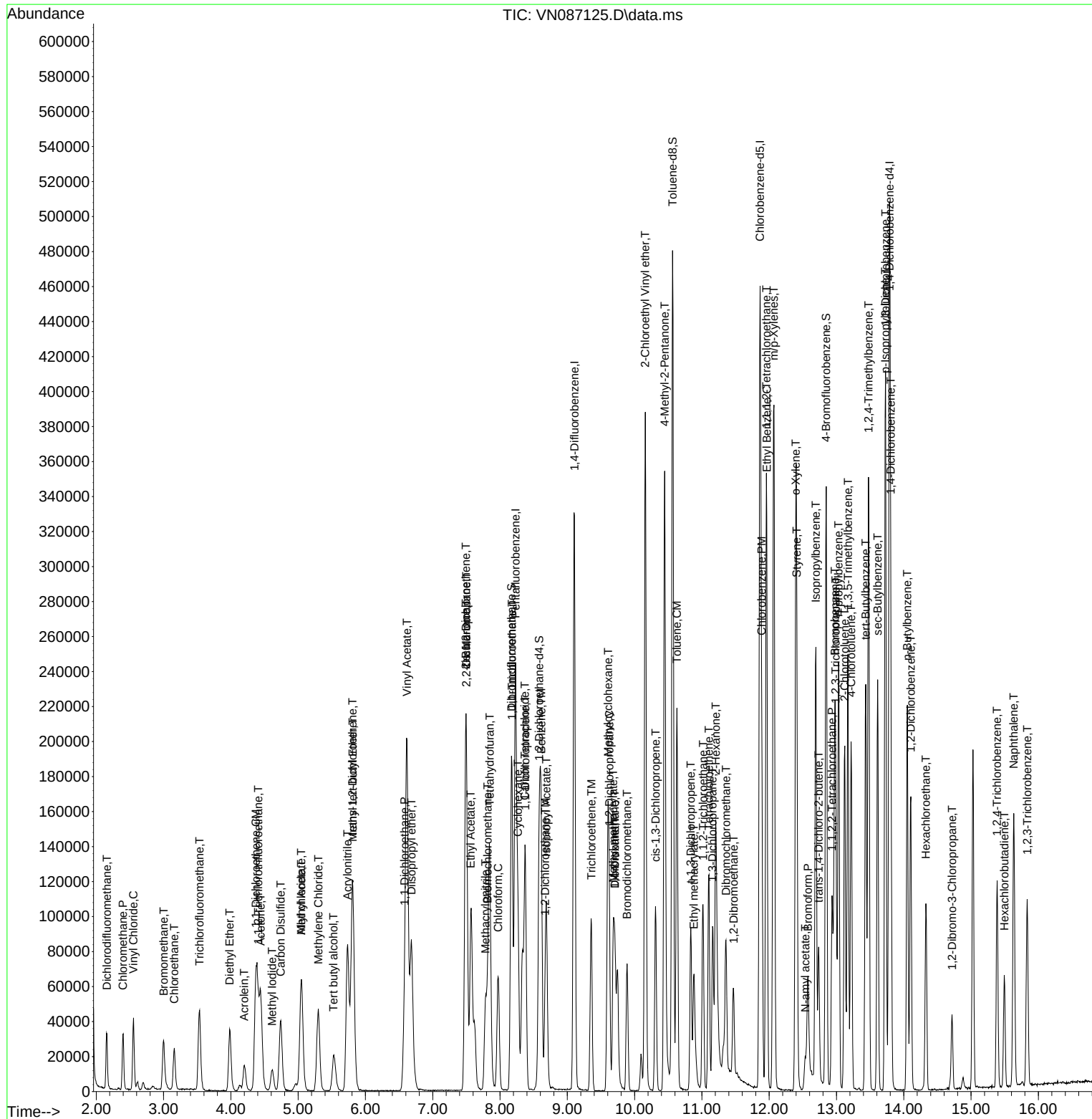
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046762.D
 Acq On : 19 Jun 2025 11:24
 Operator : JC/MD
 Sample : VX0619WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBS01

Quant Time: Jun 20 05:16:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	137936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227140	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104652	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	94946	49.765	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.520%
35) Dibromofluoromethane	5.397	113	78196	52.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.060%
50) Toluene-d8	8.647	98	282602	52.340	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.680%
62) 4-Bromofluorobenzene	11.079	95	108869	54.092	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.180%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	28069	19.060	ug/l	97
3) Chloromethane	1.307	50	29736	18.707	ug/l	99
4) Vinyl Chloride	1.386	62	32033	18.898	ug/l	93
5) Bromomethane	1.630	94	20191	21.172	ug/l	93
6) Chloroethane	1.709	64	20468	19.923	ug/l	98
7) Trichlorofluoromethane	1.910	101	47476	18.446	ug/l	99
8) Diethyl Ether	2.148	74	16252	18.400	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	29254	18.528	ug/l	99
10) Methyl Iodide	2.471	142	29614	18.018	ug/l	99
11) Tert butyl alcohol	2.959	59	10810	63.126	ug/l	97
12) 1,1-Dichloroethene	2.337	96	28292	18.570	ug/l	97
13) Acrolein	2.251	56	18186	72.910	ug/l	98
14) Allyl chloride	2.684	41	49324	17.868	ug/l	99
15) Acrylonitrile	3.075	53	62463	81.119	ug/l	98
16) Acetone	2.386	43	47143	74.096	ug/l	96
17) Carbon Disulfide	2.532	76	78405	17.041	ug/l	98
18) Methyl Acetate	2.715	43	25862	16.004	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	80635	16.997	ug/l	98
20) Methylene Chloride	2.806	84	32048	18.113	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	29757	18.253	ug/l	99
22) Diisopropyl ether	3.769	45	100392	18.921	ug/l	94
23) Vinyl Acetate	3.733	43	365712	86.676	ug/l	100
24) 1,1-Dichloroethane	3.623	63	55663	18.477	ug/l	99
25) 2-Butanone	4.568	43	70964m	78.864	ug/l	
26) 2,2-Dichloropropane	4.489	77	39442	17.951	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	35547	18.560	ug/l	98
28) Bromochloromethane	4.910	49	28430	20.816	ug/l	99
29) Tetrahydrofuran	5.013	42	44591	76.721	ug/l	99
30) Chloroform	5.105	83	57187	18.982	ug/l	93
31) Cyclohexane	5.483	56	53811	18.836	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	46675	17.665	ug/l	98
36) 1,1-Dichloropropene	5.702	75	40684	18.754	ug/l	99
37) Ethyl Acetate	4.727	43	31829	15.895	ug/l	98
38) Carbon Tetrachloride	5.690	117	42451	18.031	ug/l	99
39) Methylcyclohexane	7.385	83	52931	18.541	ug/l	99
40) Benzene	6.050	78	121111	18.864	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046762.D
 Acq On : 19 Jun 2025 11:24
 Operator : JC/MD
 Sample : VX0619WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBS01

Quant Time: Jun 20 05:16:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 06/20/2025
 Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	17227	16.137	ug/l	99
42) 1,2-Dichloroethane	6.092	62	41780	18.518	ug/l	100
43) Isopropyl Acetate	6.348	43	51032	16.286	ug/l	99
44) Trichloroethene	7.135	130	30093	18.392	ug/l	99
45) 1,2-Dichloropropane	7.433	63	29323	18.429	ug/l	95
46) Dibromomethane	7.592	93	20791	18.181	ug/l	99
47) Bromodichloromethane	7.824	83	44034	18.870	ug/l	99
48) Methyl methacrylate	7.696	41	25618	16.301	ug/l	98
49) 1,4-Dioxane	7.659	88	6374	299.149	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	152568	81.636	ug/l	98
52) Toluene	8.720	92	75814	19.048	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	38942	17.985	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	44663	18.171	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27505	18.544	ug/l	99
56) Ethyl methacrylate	9.116	69	37095	16.942	ug/l	98
57) 1,3-Dichloropropane	9.311	76	47213	18.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	101869	89.565	ug/l	99
59) 2-Hexanone	9.427	43	101986	78.935	ug/l	100
60) Dibromochloromethane	9.518	129	32154	18.395	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27221	18.042	ug/l	100
64) Tetrachloroethene	9.275	164	25376	17.655	ug/l	95
65) Chlorobenzene	10.079	112	82392	17.991	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	27463	17.843	ug/l	98
67) Ethyl Benzene	10.195	91	144047	18.002	ug/l	97
68) m/p-Xylenes	10.299	106	111044	37.244	ug/l	100
69) o-Xylene	10.640	106	51894	18.572	ug/l	98
70) Styrene	10.652	104	89289	18.260	ug/l	99
71) Bromoform	10.799	173	19576	16.701	ug/l #	98
73) Isopropylbenzene	10.957	105	139510	18.100	ug/l	99
74) N-amyl acetate	10.841	43	46412	15.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37312	17.337	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29393m	15.335	ug/l	
77) Bromobenzene	11.195	156	33896	18.275	ug/l	99
78) n-propylbenzene	11.299	91	168589	18.415	ug/l	99
79) 2-Chlorotoluene	11.360	91	99687	18.238	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	115409	18.221	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10102	14.897	ug/l	96
82) 4-Chlorotoluene	11.451	91	116713	18.296	ug/l	99
83) tert-Butylbenzene	11.713	119	118027	18.027	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	116817	18.357	ug/l	99
85) sec-Butylbenzene	11.890	105	153043	18.496	ug/l	100
86) p-Isopropyltoluene	12.006	119	127841	18.312	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64330	17.788	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	64856	17.460	ug/l	99
89) n-Butylbenzene	12.329	91	118756	17.915	ug/l	100
90) Hexachloroethane	12.536	117	20652	16.893	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	61156	18.096	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6425	15.122	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	41109	17.110	ug/l	98
94) Hexachlorobutadiene	13.719	225	17833	17.644	ug/l	96
95) Naphthalene	13.774	128	110507	16.144	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	40546	17.639	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

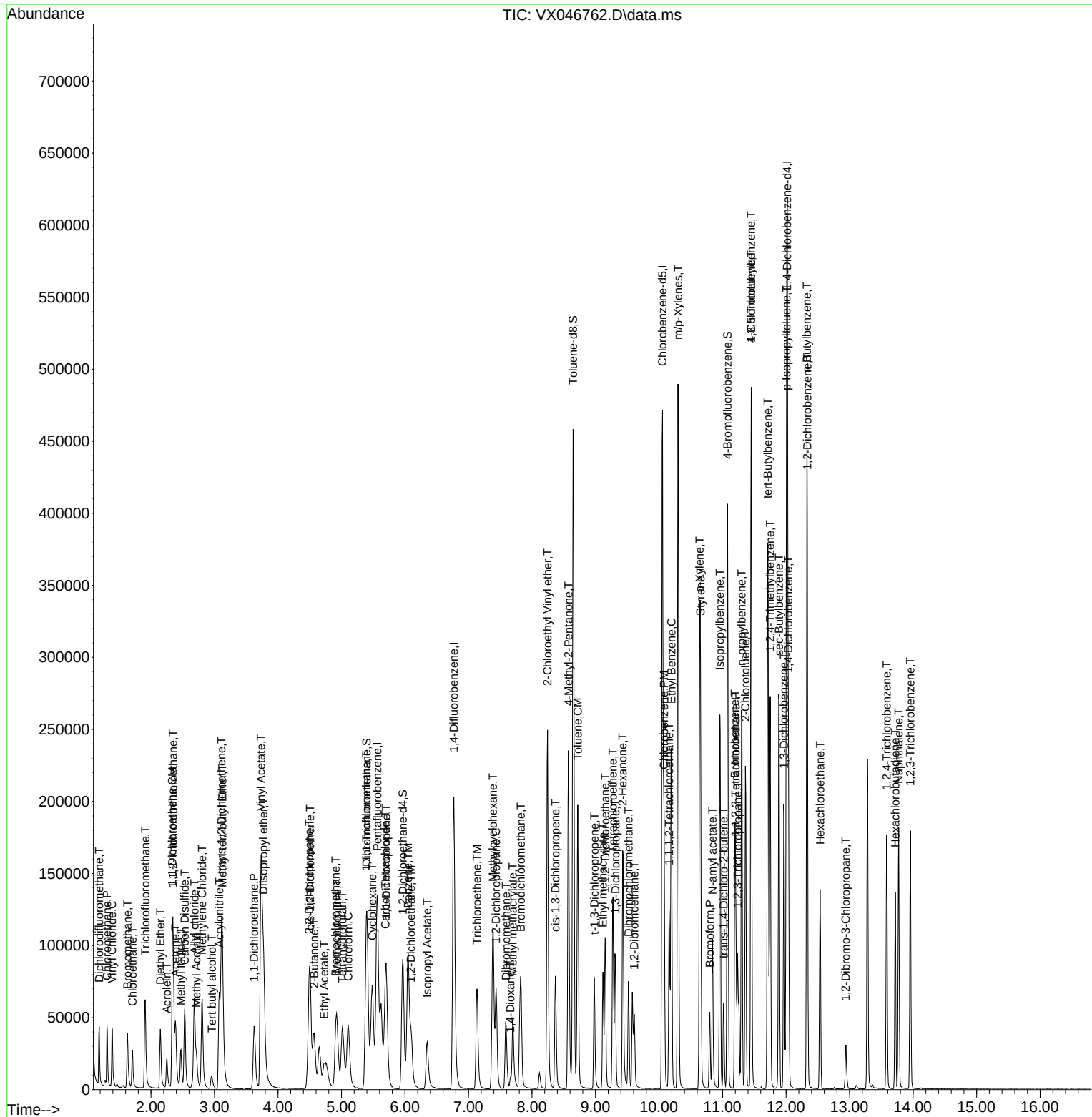
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022787.D
 Acq On : 24 Jun 2025 10:58
 Operator : SY/MD
 Sample : VY0624SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:21:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	456381	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	765818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	658494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311846	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	258457	50.741	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.480%	
35) Dibromofluoromethane	7.628	113	237954	51.092	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.103	98	937358	50.720	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	12.402	95	288353	48.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.080%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	80681	20.674	ug/l	98
3) Chloromethane	2.068	50	151870	20.380	ug/l	99
4) Vinyl Chloride	2.202	62	189178	20.320	ug/l	99
5) Bromomethane	2.586	94	156887	21.435	ug/l	97
6) Chloroethane	2.726	64	126812	20.264	ug/l	95
7) Trichlorofluoromethane	3.043	101	207987	20.176	ug/l	96
8) Diethyl Ether	3.452	74	51539	20.242	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	96792	20.546	ug/l	98
10) Methyl Iodide	4.001	142	89629	17.474	ug/l	100
11) Tert butyl alcohol	4.866	59	33635	99.308	ug/l	97
12) 1,1-Dichloroethene	3.781	96	92667	20.060	ug/l	95
13) Acrolein	3.647	56	47424	103.260	ug/l	95
14) Allyl chloride	4.379	41	146217	20.579	ug/l	93
15) Acrylonitrile	5.055	53	107474	101.169	ug/l	99
16) Acetone	3.873	43	99768	103.629	ug/l	99
17) Carbon Disulfide	4.104	76	305830	20.494	ug/l	98
18) Methyl Acetate	4.379	43	59655	18.711	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	252967	20.111	ug/l	96
20) Methylene Chloride	4.610	84	110970	18.252	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	106564	20.184	ug/l	94
22) Diisopropyl ether	6.012	45	321027	20.345	ug/l	96
23) Vinyl Acetate	5.958	43	906576	104.027	ug/l	100
24) 1,1-Dichloroethane	5.909	63	195430	20.504	ug/l	99
25) 2-Butanone	6.890	43	143746	102.588	ug/l	99
26) 2,2-Dichloropropane	6.884	77	164624	20.605	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	122077	19.899	ug/l	98
28) Bromochloromethane	7.238	49	82032	20.472	ug/l	95
29) Tetrahydrofuran	7.256	42	89736	101.422	ug/l	98
30) Chloroform	7.415	83	194987	19.863	ug/l	97
31) Cyclohexane	7.701	56	175827	20.097	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	173928	20.502	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143801	20.370	ug/l	100
37) Ethyl Acetate	6.982	43	63401	20.813	ug/l	98
38) Carbon Tetrachloride	7.817	117	148557	19.944	ug/l	96
39) Methylcyclohexane	9.103	83	183335	20.068	ug/l	97
40) Benzene	8.079	78	436818	20.126	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022787.D
 Acq On : 24 Jun 2025 10:58
 Operator : SY/MD
 Sample : VY0624SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:21:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	34505	18.399	ug/l	95
42) 1,2-Dichloroethane	8.158	62	119482	20.089	ug/l	99
43) Isopropyl Acetate	8.195	43	126183	19.930	ug/l	99
44) Trichloroethene	8.859	130	108598	19.929	ug/l	96
45) 1,2-Dichloropropane	9.140	63	102981	20.273	ug/l	97
46) Dibromomethane	9.225	93	57676	20.001	ug/l	95
47) Bromodichloromethane	9.420	83	152012	20.443	ug/l	97
48) Methyl methacrylate	9.219	41	59051	19.401	ug/l	93
49) 1,4-Dioxane	9.225	88	13754	403.709	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	326652	101.528	ug/l	97
52) Toluene	10.164	92	270533	19.757	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	131291	19.624	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	156954	20.233	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	75639	20.257	ug/l	98
56) Ethyl methacrylate	10.438	69	96651	19.239	ug/l	97
57) 1,3-Dichloropropane	10.713	76	130811	20.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	237217	99.871	ug/l	98
59) 2-Hexanone	10.755	43	215777	98.645	ug/l	98
60) Dibromochloromethane	10.908	129	94732	19.641	ug/l	100
61) 1,2-Dibromoethane	11.012	107	69777	19.969	ug/l	97
64) Tetrachloroethene	10.646	164	115603	18.583	ug/l	96
65) Chlorobenzene	11.438	112	285635	19.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	94942	19.373	ug/l	99
67) Ethyl Benzene	11.518	91	494938	19.469	ug/l	97
68) m/p-Xylenes	11.627	106	383028	38.976	ug/l	100
69) o-Xylene	11.950	106	176241	19.033	ug/l	96
70) Styrene	11.963	104	296321	19.104	ug/l	100
71) Bromoform	12.127	173	51385	18.830	ug/l #	98
73) Isopropylbenzene	12.249	105	464061	20.121	ug/l	100
74) N-amyl acetate	12.066	43	105914	20.459	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	81128	21.826	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	64712m	20.326	ug/l	
77) Bromobenzene	12.523	156	103685	19.834	ug/l	100
78) n-propylbenzene	12.591	91	564023	20.256	ug/l	99
79) 2-Chlorotoluene	12.676	91	314954	20.020	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	370288	19.889	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	25639	20.346	ug/l	98
82) 4-Chlorotoluene	12.773	91	326505	19.758	ug/l	99
83) tert-Butylbenzene	12.993	119	327400	19.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	368212	19.754	ug/l	99
85) sec-Butylbenzene	13.170	105	491676	19.902	ug/l	99
86) p-Isopropyltoluene	13.285	119	405641	19.731	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	206895	19.706	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	203188	19.483	ug/l	99
89) n-Butylbenzene	13.615	91	378895	19.593	ug/l	99
90) Hexachloroethane	13.871	117	83492	20.390	ug/l	96
91) 1,2-Dichlorobenzene	13.651	146	179542	19.405	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12253	19.439	ug/l	95
93) 1,2,4-Trichlorobenzene	14.913	180	99715	19.088	ug/l	99
94) Hexachlorobutadiene	15.017	225	56915	19.267	ug/l	98
95) Naphthalene	15.139	128	173849	18.403	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	85697	18.985	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

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

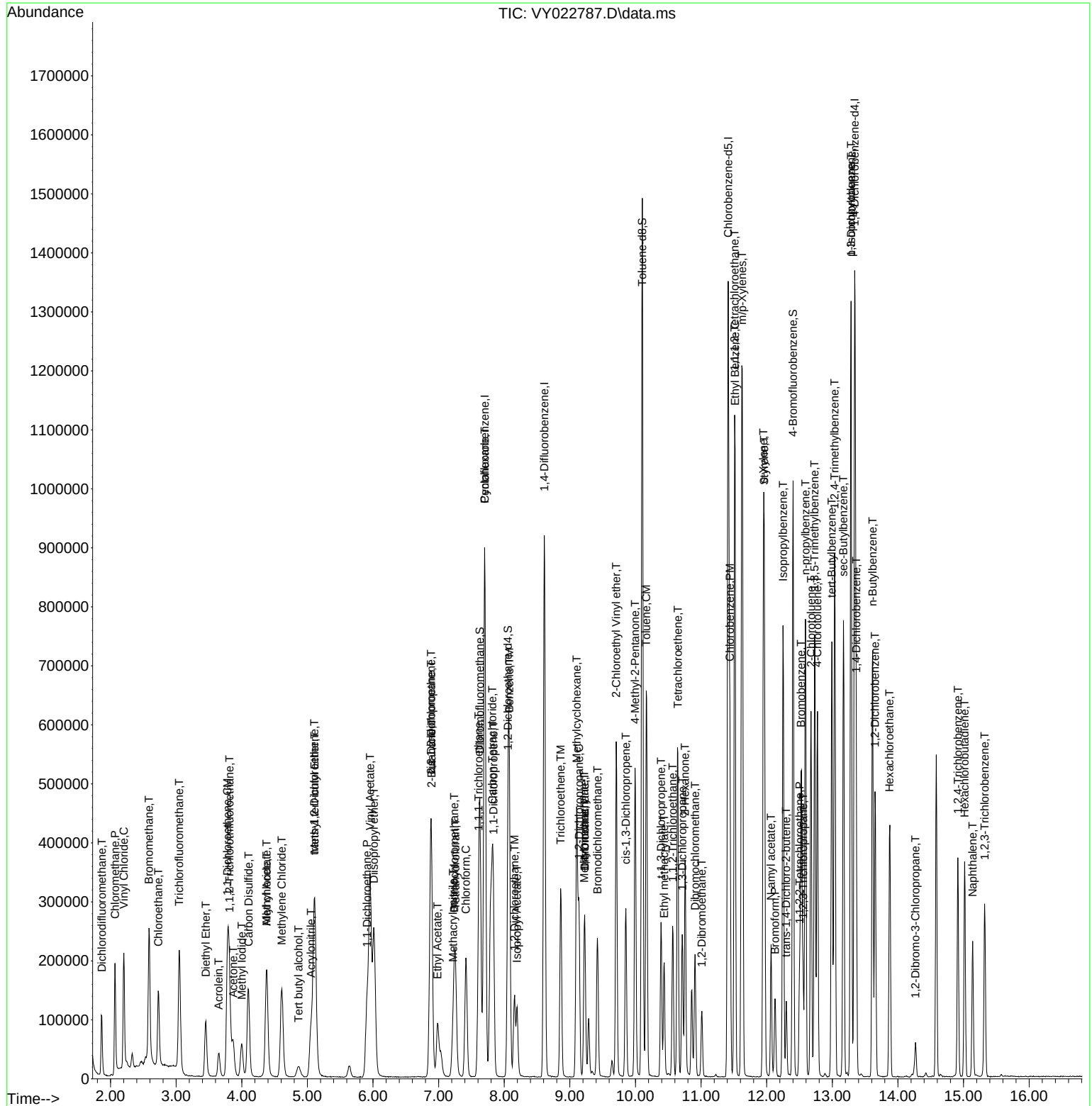
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022787.D
 Acq On : 24 Jun 2025 10:58
 Operator : SY/MD
 Sample : VY0624SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBS01

Quant Time: Jun 25 01:21:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046763.D
 Acq On : 19 Jun 2025 11:51
 Operator : JC/MD
 Sample : VX0619WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 05:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	120371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94851	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	85794	51.530	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.060%	
35) Dibromofluoromethane	5.391	113	69686	52.795	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.600%	
50) Toluene-d8	8.647	98	249730	52.661	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	11.079	95	97074	54.915	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.820%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	25471	19.820	ug/l	99
3) Chloromethane	1.307	50	27061	19.509	ug/l	96
4) Vinyl Chloride	1.386	62	29098	19.672	ug/l	95
5) Bromomethane	1.630	94	18436	22.153	ug/l	93
6) Chloroethane	1.703	64	18444	20.573	ug/l	95
7) Trichlorofluoromethane	1.904	101	43435	19.339	ug/l	97
8) Diethyl Ether	2.148	74	15726	20.402	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	27115	19.679	ug/l	98
10) Methyl Iodide	2.465	142	30018	20.229	ug/l	98
11) Tert butyl alcohol	2.959	59	10932	73.154	ug/l	96
12) 1,1-Dichloroethene	2.337	96	25867	19.455	ug/l	98
13) Acrolein	2.245	56	18810	86.416	ug/l	97
14) Allyl chloride	2.678	41	45893	19.051	ug/l	100
15) Acrylonitrile	3.068	53	61358	91.312	ug/l	99
16) Acetone	2.386	43	45269	81.534	ug/l	95
17) Carbon Disulfide	2.526	76	72150	17.970	ug/l	99
18) Methyl Acetate	2.709	43	25035	17.753	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	77256	18.661	ug/l	98
20) Methylene Chloride	2.800	84	29836	19.323	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	27280	19.176	ug/l	97
22) Diisopropyl ether	3.764	45	94092	20.321	ug/l	87
23) Vinyl Acetate	3.733	43	359723	97.697	ug/l	100
24) 1,1-Dichloroethane	3.623	63	50927	19.372	ug/l	100
25) 2-Butanone	4.562	43	68340	87.030	ug/l	97
26) 2,2-Dichloropropane	4.489	77	36206	18.883	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	32489	19.438	ug/l	100
28) Bromochloromethane	4.910	49	27522	23.092	ug/l	97
29) Tetrahydrofuran	5.013	42	43894	86.542	ug/l	99
30) Chloroform	5.099	83	53771	20.452	ug/l	97
31) Cyclohexane	5.477	56	49014	19.660	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	44445	19.276	ug/l	99
36) 1,1-Dichloropropene	5.702	75	35819	18.799	ug/l	97
37) Ethyl Acetate	4.721	43	31001	17.627	ug/l	98
38) Carbon Tetrachloride	5.684	117	39531	19.117	ug/l	99
39) Methylcyclohexane	7.385	83	47544	18.962	ug/l	99
40) Benzene	6.044	78	112866	20.015	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046763.D
 Acq On : 19 Jun 2025 11:51
 Operator : JC/MD
 Sample : VX0619WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 05:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	17801	18.985	ug/l	96
42) 1,2-Dichloroethane	6.092	62	39829	20.100	ug/l	99
43) Isopropyl Acetate	6.342	43	50813	18.463	ug/l	99
44) Trichloroethene	7.129	130	27765	19.321	ug/l	89
45) 1,2-Dichloropropane	7.427	63	28336	20.276	ug/l	92
46) Dibromomethane	7.580	93	19978	19.891	ug/l	99
47) Bromodichloromethane	7.824	83	41221	20.112	ug/l	99
48) Methyl methacrylate	7.696	41	26092	18.904	ug/l	100
49) 1,4-Dioxane	7.659	88	6068	321.885	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	150700	91.811	ug/l	98
52) Toluene	8.720	92	70998	20.310	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	37151	19.536	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	43044	19.939	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	26588	20.409	ug/l	98
56) Ethyl methacrylate	9.116	69	35838	18.636	ug/l	97
57) 1,3-Dichloropropane	9.305	76	45490	20.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	100239	100.344	ug/l	99
59) 2-Hexanone	9.427	43	100820	88.846	ug/l	100
60) Dibromochloromethane	9.519	129	30624	19.947	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26614	20.084	ug/l	98
64) Tetrachloroethene	9.275	164	23913	18.778	ug/l	98
65) Chlorobenzene	10.079	112	78801	19.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	26522	19.449	ug/l	100
67) Ethyl Benzene	10.195	91	135702	19.141	ug/l	99
68) m/p-Xylenes	10.299	106	102519	38.810	ug/l	99
69) o-Xylene	10.640	106	49068	19.820	ug/l	99
70) Styrene	10.653	104	85333	19.696	ug/l	98
71) Bromoform	10.799	173	19127	18.418	ug/l #	98
73) Isopropylbenzene	10.957	105	129881	18.592	ug/l	100
74) N-amyl acetate	10.842	43	45562	17.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35939	18.425	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29301m	16.867	ug/l	
77) Bromobenzene	11.195	156	31899	18.976	ug/l	98
78) n-propylbenzene	11.299	91	156018	18.803	ug/l	100
79) 2-Chlorotoluene	11.360	91	92310	18.633	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	108639	18.925	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9561	15.556	ug/l	95
82) 4-Chlorotoluene	11.451	91	108666	18.795	ug/l	99
83) tert-Butylbenzene	11.713	119	108810	18.337	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	108849	18.872	ug/l	100
85) sec-Butylbenzene	11.890	105	141281	18.839	ug/l	100
86) p-Isopropyltoluene	12.006	119	118528	18.732	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	60812	18.553	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	59834	17.772	ug/l	98
89) n-Butylbenzene	12.329	91	111302	18.526	ug/l	99
90) Hexachloroethane	12.536	117	19081	17.220	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	58188	18.997	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6206	16.116	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	39871	18.309	ug/l	99
94) Hexachlorobutadiene	13.719	225	17144	18.715	ug/l	96
95) Naphthalene	13.774	128	107578	17.340	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	37893	18.189	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046763.D
Acq On : 19 Jun 2025 11:51
Operator : JC/MD
Sample : VX0619WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 20 05:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

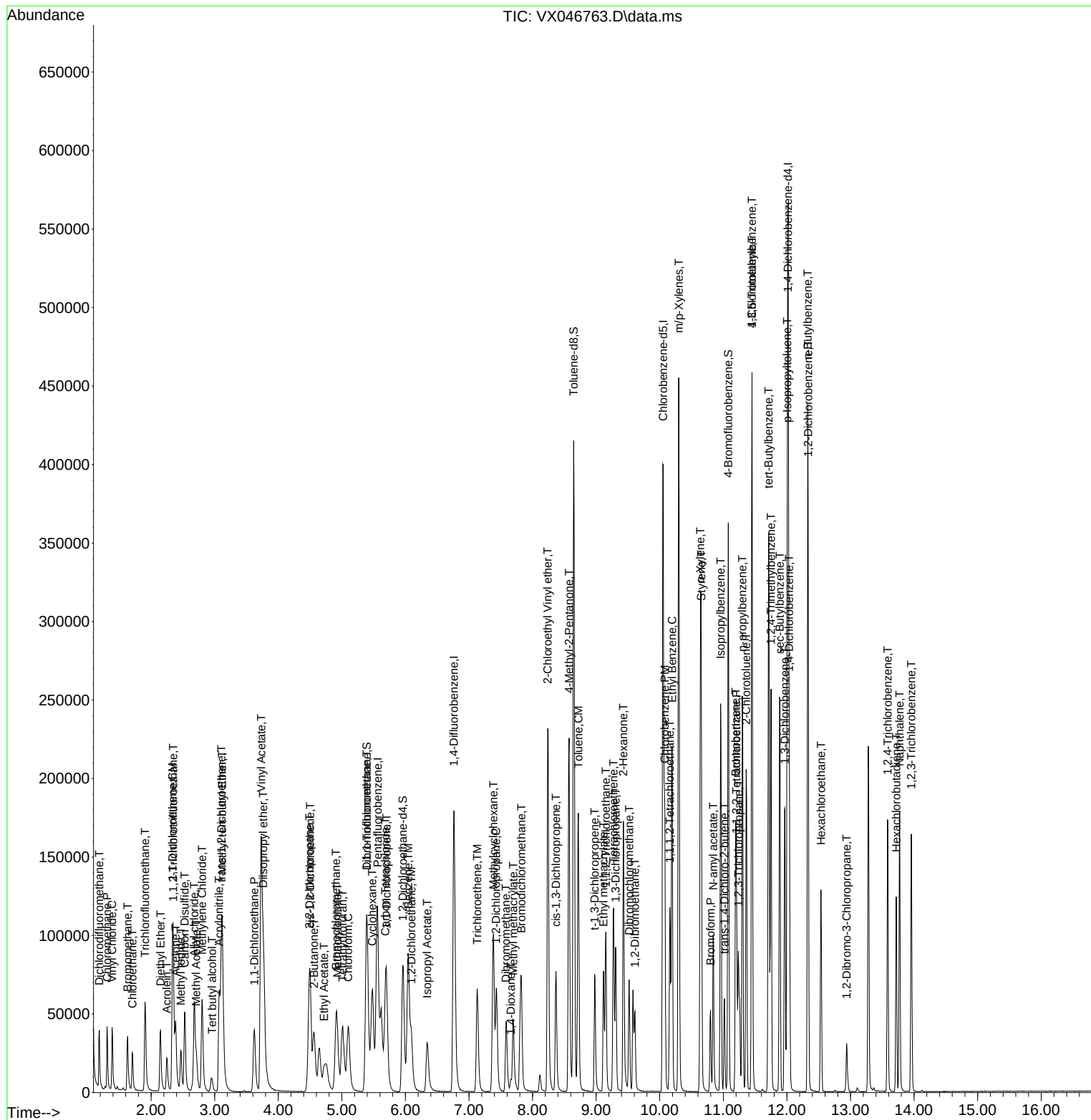
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022788.D
 Acq On : 24 Jun 2025 11:21
 Operator : SY/MD
 Sample : VY0624SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:22:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	454676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	751533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303566	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	246467	48.568	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.140%
35) Dibromofluoromethane	7.634	113	227031	49.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.103	98	915700	50.490	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.980%
62) 4-Bromofluorobenzene	12.401	95	277996	47.682	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.360%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	83841	21.564	ug/l	100
3) Chloromethane	2.068	50	148016	19.937	ug/l	98
4) Vinyl Chloride	2.196	62	190974	20.590	ug/l	97
5) Bromomethane	2.586	94	149920	20.560	ug/l	100
6) Chloroethane	2.726	64	124997	20.048	ug/l	93
7) Trichlorofluoromethane	3.043	101	212732	20.713	ug/l	100
8) Diethyl Ether	3.446	74	49045	19.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	98481	20.983	ug/l	98
10) Methyl Iodide	4.000	142	94235	18.441	ug/l	100
11) Tert butyl alcohol	4.860	59	31222	92.529	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	91858	19.960	ug/l	98
13) Acrolein	3.647	56	43455	94.972	ug/l	99
14) Allyl chloride	4.378	41	140797	19.890	ug/l	95
15) Acrylonitrile	5.049	53	101092	95.519	ug/l	99
16) Acetone	3.860	43	90320	94.167	ug/l	99
17) Carbon Disulfide	4.098	76	304896	20.508	ug/l	99
18) Methyl Acetate	4.378	43	55496	17.471	ug/l	98
19) Methyl tert-butyl Ether	5.104	73	239186	19.087	ug/l	98
20) Methylene Chloride	4.604	84	108504	17.913	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	104363	19.842	ug/l	96
22) Diisopropyl ether	6.018	45	314393	19.999	ug/l	97
23) Vinyl Acetate	5.957	43	854467	98.416	ug/l	99
24) 1,1-Dichloroethane	5.909	63	192393	20.261	ug/l	99
25) 2-Butanone	6.890	43	130645	93.588	ug/l	98
26) 2,2-Dichloropropane	6.878	77	160327	20.142	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119261	19.513	ug/l	99
28) Bromochloromethane	7.238	49	80516	20.169	ug/l	94
29) Tetrahydrofuran	7.256	42	81271	92.199	ug/l	98
30) Chloroform	7.414	83	192735	19.707	ug/l	92
31) Cyclohexane	7.695	56	175872	20.177	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	172060	20.358	ug/l	99
36) 1,1-Dichloropropene	7.829	75	140846	20.331	ug/l	100
37) Ethyl Acetate	6.982	43	56563	18.921	ug/l	97
38) Carbon Tetrachloride	7.811	117	150312	20.563	ug/l	99
39) Methylcyclohexane	9.103	83	182366	20.342	ug/l	99
40) Benzene	8.079	78	429271	20.154	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022788.D
 Acq On : 24 Jun 2025 11:21
 Operator : SY/MD
 Sample : VY0624SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0624SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:22:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	36099m	19.615	ug/l	
42) 1,2-Dichloroethane	8.152	62	118209	20.253	ug/l	99
43) Isopropyl Acetate	8.195	43	117125	18.851	ug/l	97
44) Trichloroethene	8.859	130	110197	20.606	ug/l	99
45) 1,2-Dichloropropane	9.140	63	99722	20.004	ug/l	97
46) Dibromomethane	9.225	93	54686	19.325	ug/l	96
47) Bromodichloromethane	9.420	83	145543	19.945	ug/l	100
48) Methyl methacrylate	9.219	41	57360	19.204	ug/l	95
49) 1,4-Dioxane	9.225	88	12854	384.463	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	299993	95.014	ug/l	98
52) Toluene	10.170	92	268868	20.009	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	126826	19.317	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	149508	19.639	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	72385	19.754	ug/l	99
56) Ethyl methacrylate	10.438	69	89037	18.060	ug/l	97
57) 1,3-Dichloropropane	10.713	76	125029	19.557	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	230138	98.911	ug/l	99
59) 2-Hexanone	10.755	43	194180	90.459	ug/l	97
60) Dibromochloromethane	10.908	129	92711	19.588	ug/l	97
61) 1,2-Dibromoethane	11.011	107	65644	19.144	ug/l	96
64) Tetrachloroethene	10.646	164	131649	21.638	ug/l	97
65) Chlorobenzene	11.438	112	284096	20.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92635	19.327	ug/l	99
67) Ethyl Benzene	11.517	91	499591	20.093	ug/l	99
68) m/p-Xylenes	11.627	106	379372	39.471	ug/l	99
69) o-Xylene	11.950	106	174833	19.305	ug/l	98
70) Styrene	11.962	104	293422	19.343	ug/l	99
71) Bromoform	12.127	173	50804	19.036	ug/l #	98
73) Isopropylbenzene	12.249	105	460433	20.509	ug/l	99
74) N-amyl acetate	12.066	43	99500	19.745	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.499	83	67748	18.724	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61464m	19.833	ug/l	
77) Bromobenzene	12.523	156	102341	20.111	ug/l	99
78) n-propylbenzene	12.590	91	563511	20.789	ug/l	99
79) 2-Chlorotoluene	12.676	91	313424	20.466	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	370540	20.445	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22608	18.430	ug/l	92
82) 4-Chlorotoluene	12.773	91	323940	20.138	ug/l	99
83) tert-Butylbenzene	12.993	119	325208	20.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	365641	20.151	ug/l	100
85) sec-Butylbenzene	13.169	105	494743	20.573	ug/l	99
86) p-Isopropyltoluene	13.285	119	404814	20.228	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	205201	20.078	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	199889	19.689	ug/l	98
89) n-Butylbenzene	13.615	91	383849	20.391	ug/l	99
90) Hexachloroethane	13.871	117	85343	21.411	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	178210	19.787	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11713	19.089	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	101486	19.957	ug/l	97
94) Hexachlorobutadiene	15.017	225	59456	20.676	ug/l	97
95) Naphthalene	15.139	128	172250	18.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	85584	19.477	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

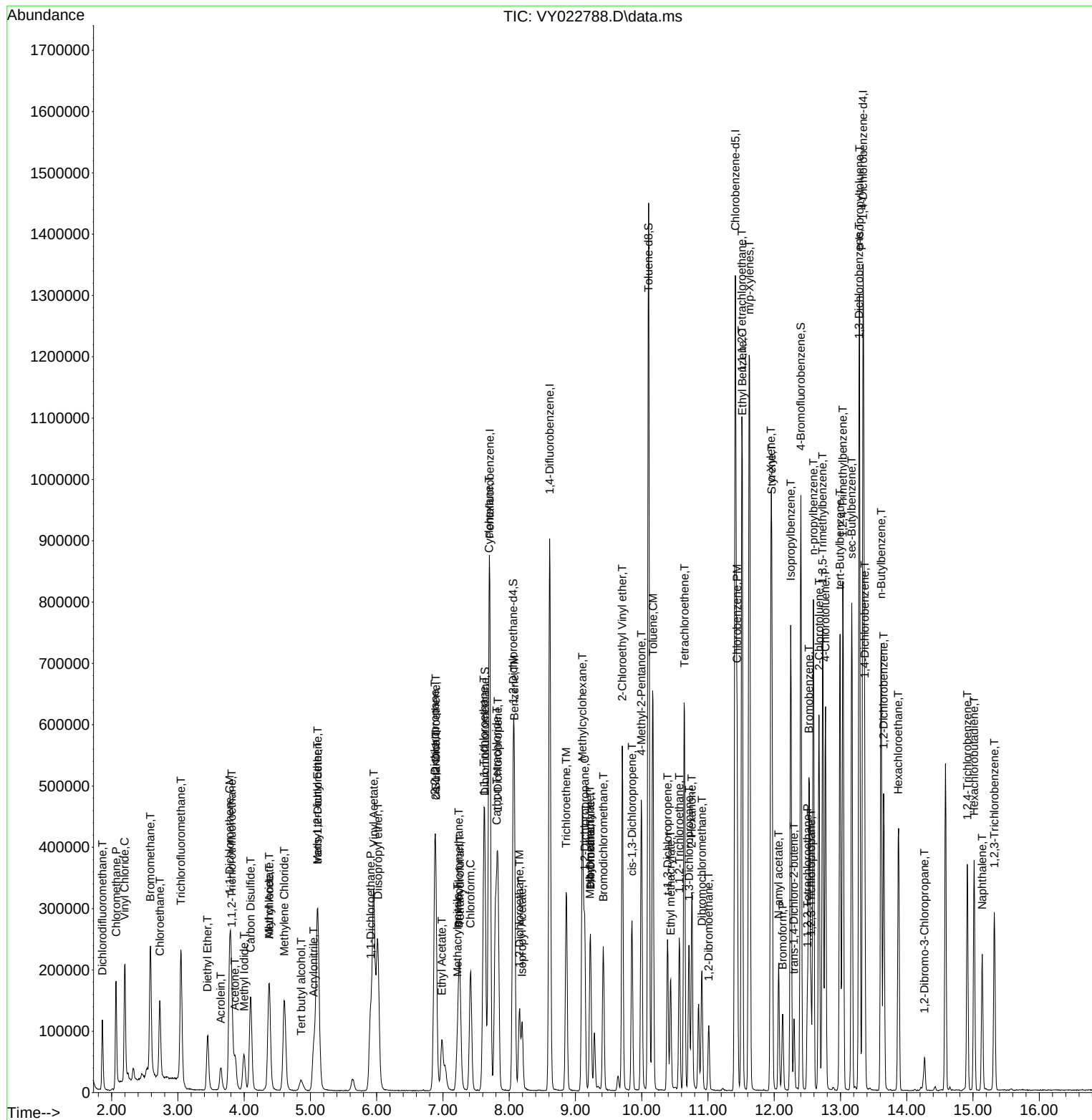
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vn060625

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

vn062025

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087122.D	1,2,3-Trichloropropane	JOHN	6/23/2025 8:55:45 AM	MMDadoda	6/23/2025 1:18:11 PM	Peak Integrated by Software
VN0620WBS01	VN087125.D	1,2,3-Trichloropropane	JOHN	6/23/2025 8:55:50 AM	MMDadoda	6/23/2025 1:18:15 PM	Peak Integrated by Software
VN0620WBS01	VN087125.D	N-amyl acetate	JOHN	6/23/2025 8:55:50 AM	MMDadoda	6/23/2025 1:18:15 PM	Peak Integrated by Software
VN0620MBS01	VN087138.D	1,2,3-Trichloropropane	JOHN	6/23/2025 8:56:14 AM	MMDadoda	6/23/2025 1:18:21 PM	Peak Integrated by Software
VN0620MBS01	VN087138.D	N-amyl acetate	JOHN	6/23/2025 8:56:14 AM	MMDadoda	6/23/2025 1:18:21 PM	Peak Integrated by Software
VSTDCCC050	VN087147.D	1,2,3-Trichloropropane	JOHN	6/23/2025 8:56:27 AM	MMDadoda	6/23/2025 1:18:27 PM	Peak Integrated by Software
VSTDCCC050	VN087147.D	N-amyl acetate	JOHN	6/23/2025 8:56:27 AM	MMDadoda	6/23/2025 1:18:27 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046718.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:26:54 PM	MMDadoda	6/18/2025 6:21:14 PM	Peak Integrated by Software
VSTDICC020	VX046719.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:04 PM	MMDadoda	6/18/2025 6:21:20 PM	Peak Integrated by Software
VSTDICCC050	VX046720.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:12 PM	MMDadoda	6/18/2025 6:21:32 PM	Peak Integrated by Software
VSTDICC100	VX046721.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:20 PM	MMDadoda	6/18/2025 6:21:40 PM	Peak Integrated by Software
VSTDICC150	VX046722.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:27 PM	MMDadoda	6/18/2025 6:21:48 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,4-Dichlorobenzene	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	2,2-Dichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Chloroform	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Ethyl Acetate	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Methacrylonitrile	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICV050	VX046726.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:47 PM	MMDadoda	6/18/2025 6:22:09 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	VX061925	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046758.D	1,2,3-Trichloropropane	JOHN	6/20/2025 8:42:24 AM	MMdadoda	6/21/2025 12:20:44 AM	Peak Integrated by Software
VSTDCCC050	VX046758.D	2-Butanone	JOHN	6/20/2025 8:42:24 AM	MMdadoda	6/21/2025 12:20:44 AM	Peak Integrated by Software
VX0619WBS01	VX046762.D	1,2,3-Trichloropropane	JOHN	6/20/2025 8:42:30 AM	MMdadoda	6/21/2025 12:20:48 AM	Peak Integrated by Software
VX0619WBS01	VX046762.D	2-Butanone	JOHN	6/20/2025 8:42:30 AM	MMdadoda	6/21/2025 12:20:48 AM	Peak Integrated by Software
VX0619WBSD01	VX046763.D	1,2,3-Trichloropropane	JOHN	6/20/2025 8:42:34 AM	MMdadoda	6/21/2025 12:20:52 AM	Peak Integrated by Software
Q2363-02	VX046768.D	n-Butylbenzene	JOHN	6/20/2025 8:42:39 AM	MMdadoda	6/21/2025 12:20:58 AM	Peak Integrated by Software
Q2363-02	VX046768.D	p-Isopropyltoluene	JOHN	6/20/2025 8:42:39 AM	MMdadoda	6/21/2025 12:20:58 AM	Peak Integrated by Software
VSTDCCC050	VX046775.D	1,2,3-Trichloropropane	JOHN	6/20/2025 8:42:59 AM	MMdadoda	6/21/2025 12:21:03 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VY022776.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDIC005	VY022776.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDIC010	VY022777.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDIC010	VY022777.D	Methacrylonitrile	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDIC020	VY022778.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDIC020	VY022778.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDIC050	VY022779.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDIC100	VY022780.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDIC150	VY022781.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy062425

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022785.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:01 PM	Sam	6/25/2025 12:35:13 PM	Peak Integrated by Software
VY0624SBS01	VY022787.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:02 PM	Sam	6/25/2025 12:35:15 PM	Peak Integrated by Software
VY0624SBSD0 1	VY022788.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:04 PM	Sam	6/25/2025 12:35:14 PM	Peak Integrated by Software
VY0624SBSD0 1	VY022788.D	Methacrylonitrile	MMDadoda	6/25/2025 12:32:04 PM	Sam	6/25/2025 12:35:14 PM	Peak Integrated by Software
VSTDCCC050	VY022809.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:08 PM	Sam	6/25/2025 12:35:09 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDIC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDIC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDIC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDIC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDIC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDIC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN062025

Review By	John Carlone	Review On	6/23/2025 9:08:58 AM
Supervise By	Maresh Dadoda	Supervise On	6/23/2025 1:18:33 PM
SubDirectory	VN062025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134448		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134449,VP134450		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087121.D	20 Jun 2025 08:18	JC\MD	Ok
2	VSTDCCC050	VN087122.D	20 Jun 2025 08:51	JC\MD	Ok,M
3	VN0620MBL01	VN087123.D	20 Jun 2025 09:25	JC\MD	Ok
4	VN0620WBL01	VN087124.D	20 Jun 2025 09:46	JC\MD	Ok
5	VN0620WBS01	VN087125.D	20 Jun 2025 10:06	JC\MD	Ok,M
6	VN0620WBSD01	VN087126.D	20 Jun 2025 10:40	JC\MD	Ok,M
7	Q2363-02DL	VN087127.D	20 Jun 2025 11:01	JC\MD	Ok
8	PB168545TB	VN087128.D	20 Jun 2025 11:21	JC\MD	Ok
9	Q2354-02	VN087129.D	20 Jun 2025 11:42	JC\MD	Ok
10	Q2355-02	VN087130.D	20 Jun 2025 12:03	JC\MD	Ok
11	Q2362-04	VN087131.D	20 Jun 2025 12:23	JC\MD	Ok
12	Q2362-08	VN087132.D	20 Jun 2025 12:44	JC\MD	Ok
13	Q2367-04	VN087133.D	20 Jun 2025 13:04	JC\MD	Ok
14	Q2367-08	VN087134.D	20 Jun 2025 13:25	JC\MD	Ok
15	IBLK	VN087135.D	20 Jun 2025 13:46	JC\MD	Ok
16	Q2377-03	VN087136.D	20 Jun 2025 14:06	JC\MD	Not Ok
17	Q2377-01	VN087137.D	20 Jun 2025 14:27	JC\MD	Not Ok
18	VN0620MBS01	VN087138.D	20 Jun 2025 14:48	JC\MD	Ok,M
19	VN0620MBSD01	VN087139.D	20 Jun 2025 15:08	JC\MD	Ok,M
20	Q2363-01ME	VN087140.D	20 Jun 2025 15:29	JC\MD	Ok
21	Q2355-01	VN087141.D	20 Jun 2025 15:50	JC\MD	Not Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN062025

Review By	John Carlone	Review On	6/23/2025 9:08:58 AM
Supervise By	Maresh Dadoda	Supervise On	6/23/2025 1:18:33 PM
SubDirectory	VN062025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134448		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134449,VP134450		

22	Q2354-01	VN087142.D	20 Jun 2025 16:11	JC\MD	Not Ok
23	Q2355-03	VN087143.D	20 Jun 2025 16:31	JC\MD	Not Ok
24	IBLK	VN087144.D	20 Jun 2025 16:52	JC\MD	Ok
25	IBLK	VN087145.D	20 Jun 2025 17:13	JC\MD	Ok
26	Q2377-01	VN087146.D	20 Jun 2025 17:34	JC\MD	Not Ok
27	VSTDCCC050	VN087147.D	20 Jun 2025 17:54	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:22:48 PM
SubDirectory	VX061725	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134389		
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134396		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046715.D	17 Jun 2025 08:46	JC/MD	Ok
2	VSTDIC001	VX046716.D	17 Jun 2025 10:09	JC/MD	Not Ok
3	VSTDIC001	VX046717.D	17 Jun 2025 10:58	JC/MD	ReRun
4	VSTDIC005	VX046718.D	17 Jun 2025 11:19	JC/MD	Ok,M
5	VSTDIC020	VX046719.D	17 Jun 2025 13:59	JC/MD	Ok,M
6	VSTDIC050	VX046720.D	17 Jun 2025 14:20	JC/MD	Ok,M
7	VSTDIC100	VX046721.D	17 Jun 2025 14:41	JC/MD	Ok,M
8	VSTDIC150	VX046722.D	17 Jun 2025 15:02	JC/MD	Ok,M
9	IBLK	VX046723.D	17 Jun 2025 15:23	JC/MD	Ok
10	VSTDIC001	VX046724.D	17 Jun 2025 16:20	JC/MD	Not Ok
11	VSTDIC001	VX046725.D	17 Jun 2025 17:18	JC/MD	Ok,M
12	VSTDICV050	VX046726.D	17 Jun 2025 18:00	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061925

Review By	John Carlone	Review On	6/20/2025 8:46:07 AM
Supervise By	Maresh Dadoda	Supervise On	6/21/2025 12:21:16 AM
SubDirectory	VX061925	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134428		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134429,VP134430		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046757.D	19 Jun 2025 08:42	JC/MD	Ok
2	VSTDCCC050	VX046758.D	19 Jun 2025 09:43	JC/MD	Ok,M
3	VX0619MBL01	VX046759.D	19 Jun 2025 10:12	JC/MD	Ok
4	VX0619WBL01	VX046760.D	19 Jun 2025 10:33	JC/MD	Ok
5	Q2345-01	VX046761.D	19 Jun 2025 11:03	JC/MD	Ok
6	VX0619WBS01	VX046762.D	19 Jun 2025 11:24	JC/MD	Ok,M
7	VX0619WBSD01	VX046763.D	19 Jun 2025 11:51	JC/MD	Ok,M
8	Q2361-01	VX046764.D	19 Jun 2025 12:12	JC/MD	Ok
9	Q2334-01	VX046765.D	19 Jun 2025 12:33	JC/MD	Ok
10	Q2334-02	VX046766.D	19 Jun 2025 12:54	JC/MD	Ok
11	Q2334-03	VX046767.D	19 Jun 2025 13:15	JC/MD	Ok
12	Q2363-02	VX046768.D	19 Jun 2025 13:36	JC/MD	Dilution
13	IBLK	VX046769.D	19 Jun 2025 13:57	JC/MD	Ok
14	IBLK	VX046770.D	19 Jun 2025 14:18	JC/MD	Ok
15	Q2351-01	VX046771.D	19 Jun 2025 15:45	JC/MD	Ok
16	Q2372-02	VX046772.D	19 Jun 2025 16:06	JC/MD	Ok
17	Q2372-01	VX046773.D	19 Jun 2025 16:27	JC/MD	Ok
18	IBLK	VX046774.D	19 Jun 2025 16:49	JC/MD	Ok
19	VSTDCCC050	VX046775.D	19 Jun 2025 17:10	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134461			
Initial Calibration Stds		VP134462,VP134463,VP134464,VP134465,VP134466,VP134467			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134468			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDIC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDIC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDIC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDIC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDIC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDIC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134483			
CCC		VP134483,VP134485			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022784.D	24 Jun 2025 08:49	SY/MD	Ok
2	VSTDCCC050	VY022785.D	24 Jun 2025 09:20	SY/MD	Ok,M
3	VY0624SBL01	VY022786.D	24 Jun 2025 10:25	SY/MD	Ok
4	VY0624SBS01	VY022787.D	24 Jun 2025 10:58	SY/MD	Ok,M
5	VY0624SBSD01	VY022788.D	24 Jun 2025 11:21	SY/MD	Ok,M
6	Q2386-01	VY022789.D	24 Jun 2025 11:58	SY/MD	ReRun
7	Q2383-01RE	VY022790.D	24 Jun 2025 12:22	SY/MD	Not Ok
8	Q2384-01RE	VY022791.D	24 Jun 2025 12:45	SY/MD	Confirms
9	Q2355-03	VY022792.D	24 Jun 2025 13:09	SY/MD	Not Ok
10	Q2363-01	VY022793.D	24 Jun 2025 13:32	SY/MD	Dilution
11	Q2392-02	VY022794.D	24 Jun 2025 13:55	SY/MD	Ok
12	Q2393-02	VY022795.D	24 Jun 2025 14:19	SY/MD	Ok
13	Q2393-04	VY022796.D	24 Jun 2025 14:42	SY/MD	Ok
14	Q2393-06	VY022797.D	24 Jun 2025 15:06	SY/MD	Ok
15	Q2393-08	VY022798.D	24 Jun 2025 15:29	SY/MD	Ok
16	Q2393-10	VY022799.D	24 Jun 2025 15:52	SY/MD	Ok
17	Q2393-12	VY022800.D	24 Jun 2025 16:16	SY/MD	Ok
18	Q2394-03	VY022801.D	24 Jun 2025 16:39	SY/MD	Ok
19	Q2399-03	VY022802.D	24 Jun 2025 17:03	SY/MD	Ok
20	Q2399-07	VY022803.D	24 Jun 2025 17:26	SY/MD	Ok
21	Q2403-03	VY022804.D	24 Jun 2025 17:50	SY/MD	ReRun

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY062425

Review By	Maresh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134483			
CCC		VP134483,VP134485			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2403-07	VY022805.D	24 Jun 2025 18:13	SY/MD	Ok
23	Q2398-03	VY022806.D	24 Jun 2025 18:36	SY/MD	Ok
24	Q2398-06	VY022807.D	24 Jun 2025 19:00	SY/MD	Not Ok
25	VIBLK	VY022808.D	24 Jun 2025 19:23	SY/MD	Ok
26	VSTDCCC050	VY022809.D	24 Jun 2025 20:09	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN062025

Review By	John Carlone	Review On	6/23/2025 9:08:58 AM
Supervise By	Maresh Dadoda	Supervise On	6/23/2025 1:18:33 PM
SubDirectory	VN062025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134448		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134449,VP134450		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087121.D	20 Jun 2025 08:18		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087122.D	20 Jun 2025 08:51	pH#Lot#V12668	JC\MD	Ok,M
3	VN0620MBL01	VN0620MBL01	VN087123.D	20 Jun 2025 09:25		JC\MD	Ok
4	VN0620WBL01	VN0620WBL01	VN087124.D	20 Jun 2025 09:46		JC\MD	Ok
5	VN0620WBS01	VN0620WBS01	VN087125.D	20 Jun 2025 10:06		JC\MD	Ok,M
6	VN0620WBSD01	VN0620WBSD01	VN087126.D	20 Jun 2025 10:40		JC\MD	Ok,M
7	Q2363-02DL	GCAP1WDL	VN087127.D	20 Jun 2025 11:01	vial B pH<2	JC\MD	Ok
8	PB168545TB	PB168545TB	VN087128.D	20 Jun 2025 11:21		JC\MD	Ok
9	Q2354-02	3321	VN087129.D	20 Jun 2025 11:42	vial A pH#5.0	JC\MD	Ok
10	Q2355-02	3897	VN087130.D	20 Jun 2025 12:03	vial A pH#5.0	JC\MD	Ok
11	Q2362-04	TP-11	VN087131.D	20 Jun 2025 12:23	vial A pH#5.0	JC\MD	Ok
12	Q2362-08	EP-6	VN087132.D	20 Jun 2025 12:44	vial A pH#5.0	JC\MD	Ok
13	Q2367-04	EP-4	VN087133.D	20 Jun 2025 13:04	vial A pH#5.0	JC\MD	Ok
14	Q2367-08	EP-5	VN087134.D	20 Jun 2025 13:25	vial A pH#5.0	JC\MD	Ok
15	IBLK	IBLK	VN087135.D	20 Jun 2025 13:46		JC\MD	Ok
16	Q2377-03	TB01-061925	VN087136.D	20 Jun 2025 14:06	524 Method on login	JC\MD	Not Ok
17	Q2377-01	PW-B6-L66-061925	VN087137.D	20 Jun 2025 14:27	524 Method on login	JC\MD	Not Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN062025

Review By	John Carlone	Review On	6/23/2025 9:08:58 AM
Supervise By	Maresh Dadoda	Supervise On	6/23/2025 1:18:33 PM
SubDirectory	VN062025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134448		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134449,VP134450		

18	VN0620MBS01	VN0620MBS01	VN087138.D	20 Jun 2025 14:48		JC\MD	Ok,M
19	VN0620MBSD01	VN0620MBSD01	VN087139.D	20 Jun 2025 15:08		JC\MD	Ok,M
20	Q2363-01ME	GCAP1ME	VN087140.D	20 Jun 2025 15:29	Surrogate fail	JC\MD	Ok
21	Q2355-01	3897	VN087141.D	20 Jun 2025 15:50	BS fail Low ;BSD fail Low; cloth material	JC\MD	Not Ok
22	Q2354-01	3321	VN087142.D	20 Jun 2025 16:11	BS fail Low;BSD fail Low;Run @ Lower Dilution	JC\MD	Not Ok
23	Q2355-03	20071	VN087143.D	20 Jun 2025 16:31	BS fail Low ;BSD fail Low;Need Soil Run	JC\MD	Not Ok
24	IBLK	IBLK	VN087144.D	20 Jun 2025 16:52		JC\MD	Ok
25	IBLK	IBLK	VN087145.D	20 Jun 2025 17:13		JC\MD	Ok
26	Q2377-01	PW-B6-L66-061925	VN087146.D	20 Jun 2025 17:34	524 Method on login	JC\MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VN087147.D	20 Jun 2025 17:54		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM
Supervise By	Maresh Dadoda	Supervise On	6/18/2025 6:22:48 PM
SubDirectory	VX061725	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134389		
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134396		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046715.D	17 Jun 2025 08:46		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046716.D	17 Jun 2025 10:09	RRF check	JC/MD	Not Ok
3	VSTDICC001	VSTDICC001	VX046717.D	17 Jun 2025 10:58	low response	JC/MD	ReRun
4	VSTDICC005	VSTDICC005	VX046718.D	17 Jun 2025 11:19		JC/MD	Ok,M
5	VSTDICC020	VSTDICC020	VX046719.D	17 Jun 2025 13:59	LR- 10,49	JC/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VX046720.D	17 Jun 2025 14:20		JC/MD	Ok,M
7	VSTDICC100	VSTDICC100	VX046721.D	17 Jun 2025 14:41		JC/MD	Ok,M
8	VSTDICC150	VSTDICC150	VX046722.D	17 Jun 2025 15:02		JC/MD	Ok,M
9	IBLK	IBLK	VX046723.D	17 Jun 2025 15:23		JC/MD	Ok
10	VSTDICC001	VSTDICC001	VX046724.D	17 Jun 2025 16:20	spike error	JC/MD	Not Ok
11	VSTDICC001	VSTDICC001	VX046725.D	17 Jun 2025 17:18		JC/MD	Ok,M
12	VSTDICV050	ICVVX061725	VX046726.D	17 Jun 2025 18:00		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061925

Review By	John Carlone	Review On	6/20/2025 8:46:07 AM
Supervise By	Maresh Dadoda	Supervise On	6/21/2025 12:21:16 AM
SubDirectory	VX061925	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134428		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134429,VP134430		

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046757.D	19 Jun 2025 08:42		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046758.D	19 Jun 2025 09:43	pH#Lot#V12668	JC/MD	Ok,M
3	VX0619MBL01	VX0619MBL01	VX046759.D	19 Jun 2025 10:12		JC/MD	Ok
4	VX0619WBL01	VX0619WBL01	VX046760.D	19 Jun 2025 10:33		JC/MD	Ok
5	Q2345-01	EB02-20250616	VX046761.D	19 Jun 2025 11:03	vial B pH<2 EB	JC/MD	Ok
6	VX0619WBS01	VX0619WBS01	VX046762.D	19 Jun 2025 11:24		JC/MD	Ok,M
7	VX0619WBSD01	VX0619WBSD01	VX046763.D	19 Jun 2025 11:51		JC/MD	Ok,M
8	Q2361-01	TT205S1-20250617	VX046764.D	19 Jun 2025 12:12	vial A pH<2	JC/MD	Ok
9	Q2334-01	MW3	VX046765.D	19 Jun 2025 12:33	vial A pH<2	JC/MD	Ok
10	Q2334-02	MW4	VX046766.D	19 Jun 2025 12:54	vial A pH<2	JC/MD	Ok
11	Q2334-03	GBTW1	VX046767.D	19 Jun 2025 13:15	vial A pH<2	JC/MD	Ok
12	Q2363-02	GCAP1W	VX046768.D	19 Jun 2025 13:36	vial A pH<2 Need 20X	JC/MD	Dilution
13	IBLK	IBLK	VX046769.D	19 Jun 2025 13:57		JC/MD	Ok
14	IBLK	IBLK	VX046770.D	19 Jun 2025 14:18		JC/MD	Ok
15	Q2351-01	FAIRLAWN-SUMP	VX046771.D	19 Jun 2025 15:45	vial A pH<2 oily sample	JC/MD	Ok
16	Q2372-02	GAV2W	VX046772.D	19 Jun 2025 16:06	vial A pH<2	JC/MD	Ok
17	Q2372-01	GAV1W	VX046773.D	19 Jun 2025 16:27	vial A pH<2	JC/MD	Ok
18	IBLK	IBLK	VX046774.D	19 Jun 2025 16:49		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061925

Review By	John Carlone	Review On	6/20/2025 8:46:07 AM
Supervise By	Mahesh Dadoda	Supervise On	6/21/2025 12:21:16 AM
SubDirectory	VX061925	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134428		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134429,VP134430		

19	VSTDCCC050	VSTDCCC050EC	VX046775.D	19 Jun 2025 17:10		JC/MD	Ok,M
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M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134461			
Initial Calibration Stds		VP134462,VP134463,VP134464,VP134465,VP134466,VP134467			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134468			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y HP Processing Method 82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134483		
CCC	VP134483,VP134485		
Internal Standard/PEM	VP133934		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022784.D	24 Jun 2025 08:49		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022785.D	24 Jun 2025 09:20		SY/MD	Ok,M
3	VY0624SBL01	VY0624SBL01	VY022786.D	24 Jun 2025 10:25		SY/MD	Ok
4	VY0624SBS01	VY0624SBS01	VY022787.D	24 Jun 2025 10:58		SY/MD	Ok,M
5	VY0624SBSD01	VY0624SBSD01	VY022788.D	24 Jun 2025 11:21		SY/MD	Ok,M
6	Q2386-01	SU-1-062025	VY022789.D	24 Jun 2025 11:58	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2383-01RE	RT-5376RE	VY022790.D	24 Jun 2025 12:22	vial-B Internal standard fail;Not match with first run	SY/MD	Not Ok
8	Q2384-01RE	OK-01-6202025RE	VY022791.D	24 Jun 2025 12:45	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q2355-03	20071	VY022792.D	24 Jun 2025 13:09	vial-A not purge	SY/MD	Not Ok
10	Q2363-01	GCAP1	VY022793.D	24 Jun 2025 13:32	vial-A Surrogate fail ;Need MeOH	SY/MD	Dilution
11	Q2392-02	S-1A	VY022794.D	24 Jun 2025 13:55	vial-A	SY/MD	Ok
12	Q2393-02	PARK AVE -1	VY022795.D	24 Jun 2025 14:19	vial-A	SY/MD	Ok
13	Q2393-04	PARK AVE -2	VY022796.D	24 Jun 2025 14:42	vial-A	SY/MD	Ok
14	Q2393-06	PARK AVE -3	VY022797.D	24 Jun 2025 15:06	vial-A	SY/MD	Ok
15	Q2393-08	PARK AVE -4	VY022798.D	24 Jun 2025 15:29	vial-A	SY/MD	Ok
16	Q2393-10	PARK AVE -5	VY022799.D	24 Jun 2025 15:52	vial-A	SY/MD	Ok
17	Q2393-12	PARK AVE -6	VY022800.D	24 Jun 2025 16:16	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134483			
CCC		VP134483,VP134485			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2394-03	MH-K/L VOC	VY022801.D	24 Jun 2025 16:39	vial-A	SY/MD	Ok
19	Q2399-03	TP-13-VOC	VY022802.D	24 Jun 2025 17:03	vial-A	SY/MD	Ok
20	Q2399-07	EP-7-VOC	VY022803.D	24 Jun 2025 17:26	vial-A	SY/MD	Ok
21	Q2403-03	LAW-25-0093	VY022804.D	24 Jun 2025 17:50	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2403-07	ARS 20-0006	VY022805.D	24 Jun 2025 18:13	vial-A	SY/MD	Ok
23	Q2398-03	M00-25-0179	VY022806.D	24 Jun 2025 18:36	vial-A	SY/MD	Ok
24	Q2398-06	ARS20-0036	VY022807.D	24 Jun 2025 19:00	vial-A Not purge	SY/MD	Not Ok
25	VIBLK	VIBLK	VY022808.D	24 Jun 2025 19:23		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022809.D	24 Jun 2025 20:09		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2363	OrderDate:	6/18/2025 4:03:52 PM
Client:	G Environmental	Project:	Capra
Contact:	Gary Landis	Location:	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2363-01	GCAP1	SOIL	VOC-TCLVOA-10	8260D	06/18/25		06/24/25	06/18/25
Q2363-01ME	GCAP1ME	SOIL	VOC-TCLVOA-10	8260D	06/18/25		06/20/25	06/18/25
Q2363-02	GCAP1W	Water	VOC-TCLVOA-10	8260-Low	06/18/25		06/19/25	06/18/25
Q2363-02DL	GCAP1WDL	Water	VOC-TCLVOA-10	8260-Low	06/18/25		06/20/25	06/18/25