

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057849.D
 Acq On : 07 Feb 2024 18:48
 Operator : MD/SY
 Sample : P1081-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 08 01:30:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

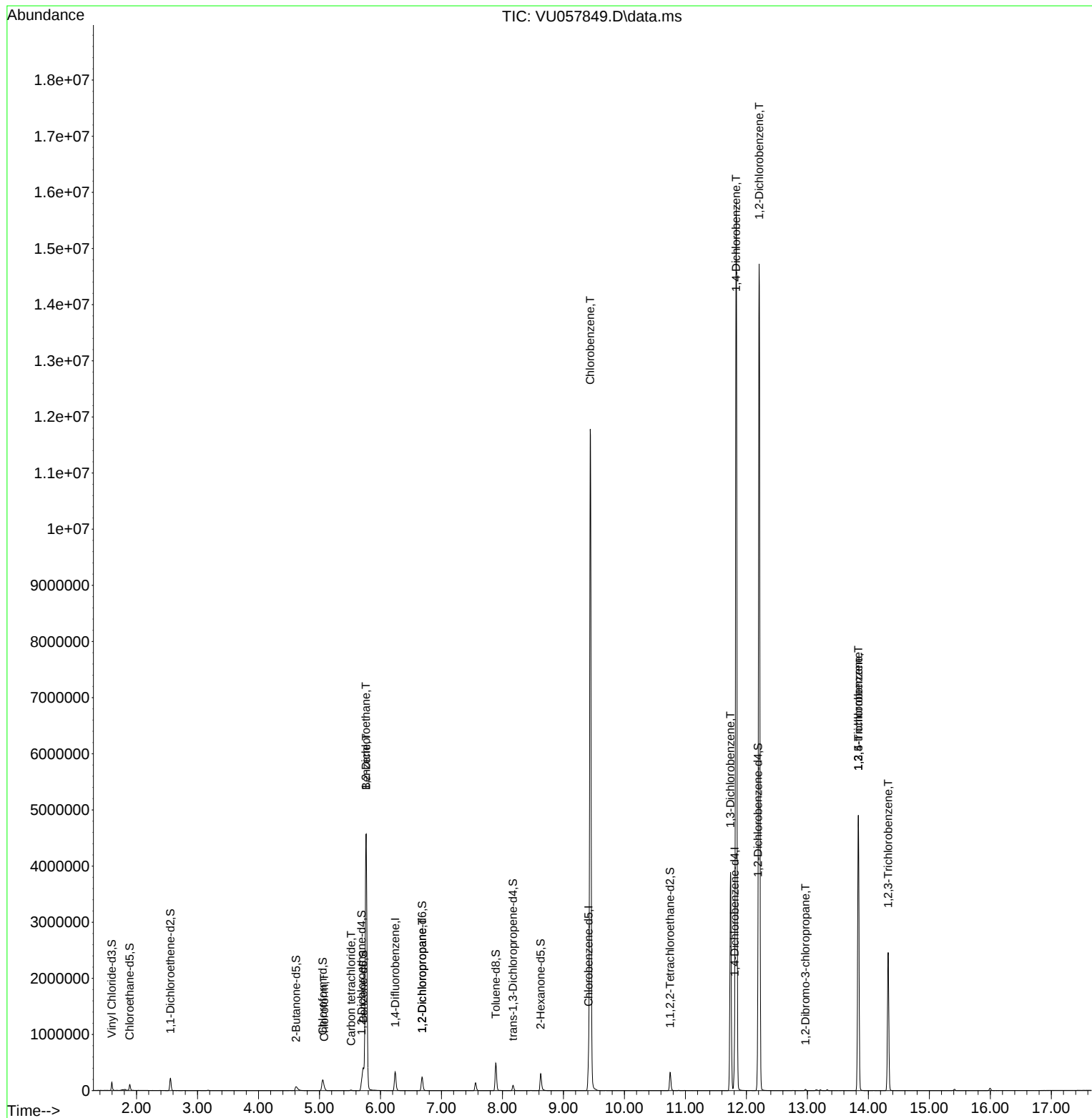
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	265839	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	253279	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131173	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	106565	50.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.160%	
7) Chloroethane-d5	1.888	69	80635	48.849	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	= 97.700%	
11) 1,1-Dichloroethene-d2	2.557	63	135137	34.580	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 69.160%	
21) 2-Butanone-d5	4.615	46	90842	76.928	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 76.930%	
24) Chloroform-d	5.052	84	171796	45.515	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 91.020%	
26) 1,2-Dichloroethane-d4	5.692	65	119415	49.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.820%	
32) Benzene-d6	5.717	84	363436	47.498	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 95.000%	
36) 1,2-Dichloropropane-d6	6.682	67	115922	47.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 95.940%	
41) Toluene-d8	7.891	98	323346	46.613	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.220%	
43) trans-1,3-Dichloroprop...	8.174	79	54083	45.754	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 91.500%	
47) 2-Hexanone-d5	8.627	63	105379	106.843	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 106.840%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	160484	51.021	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.040%	
66) 1,2-Dichlorobenzene-d4	12.190	152	120281	47.729	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 95.460%	
Target Compounds						Qvalue
25) Chloroform	5.078	83	36897	10.065	ug/L	98
27) 1,2-Dichloroethane	5.762	62	39444	12.993	ug/L	# 76
31) Carbon tetrachloride	5.518	117	7462	2.623	ug/L	99
33) Benzene	5.766	78	4305871	537.040	ug/L	100
37) 1,2-Dichloropropane	6.682	63	12639	5.750	ug/L	# 88
51) Chlorobenzene	9.441	112	6050490	1134.515	ug/L	96
64) 1,3-Dichlorobenzene	11.740	146	1455035	350.442	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	5848876	1373.386	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	5445453	1301.002	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.968	75	4347	6.242	ug/L	# 9
69) 1,3,5-Trichlorobenzene	13.836	180	1360446	465.219	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	1360446	544.603	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	686903	293.872	ug/L	100

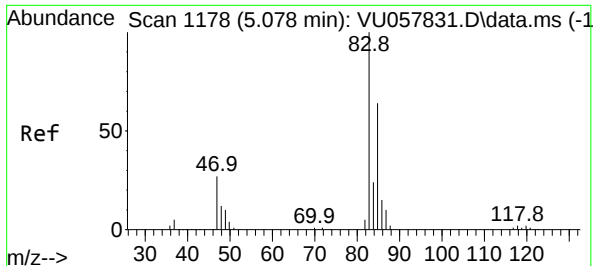
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Chloroform

Concen: 10.065 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

Instrument :

MSVOA_U

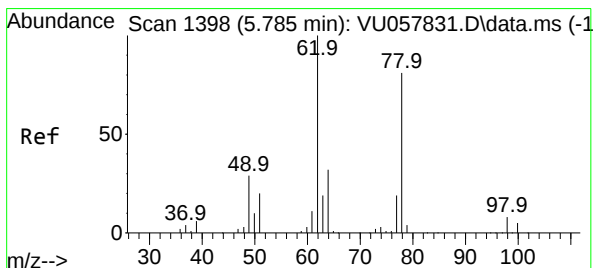
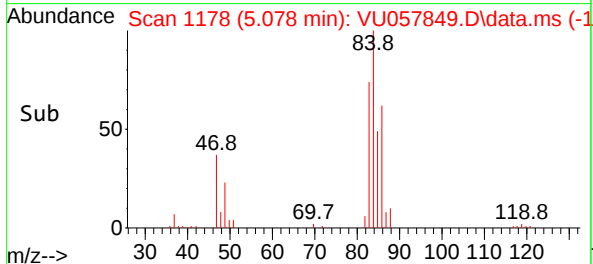
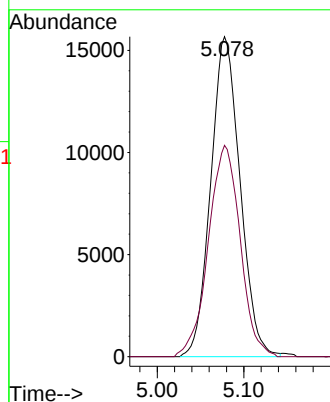
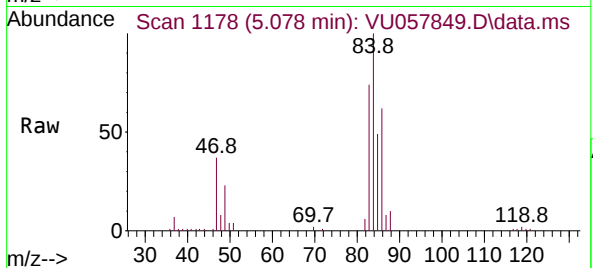
ClientSampleId :

Tgt Ion: 83 Resp: 36897

Ion Ratio Lower Upper

83 100

85 66.1 45.0 83.6



#27

1,2-Dichloroethane

Concen: 12.993 ug/L

RT: 5.762 min Scan# 1391

Delta R.T. -0.023 min

Lab File: VU057849.D

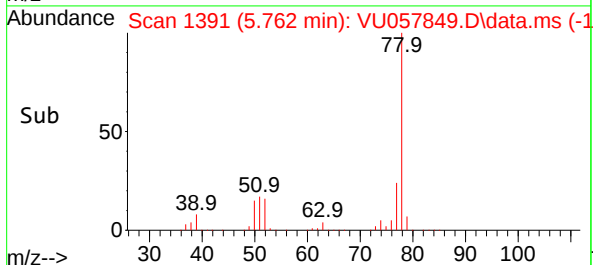
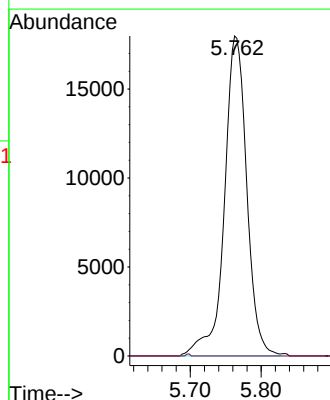
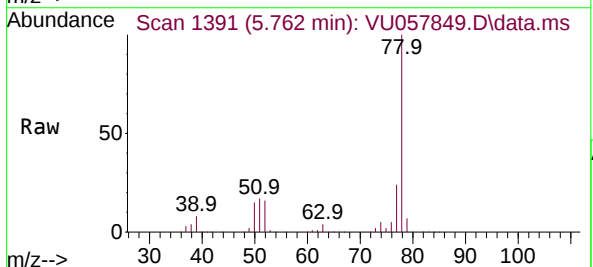
Acq: 07 Feb 2024 18:48

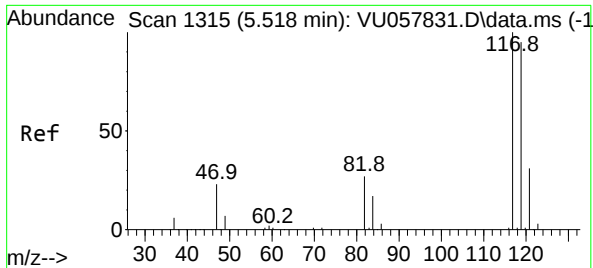
Tgt Ion: 62 Resp: 39444

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#

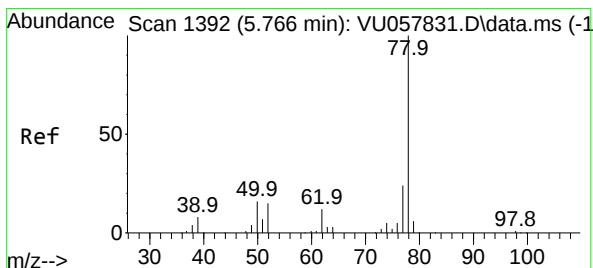
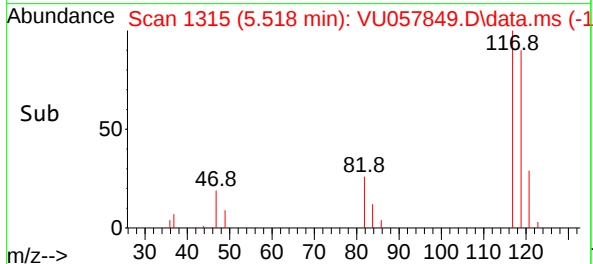
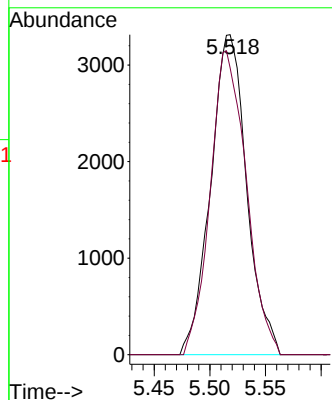
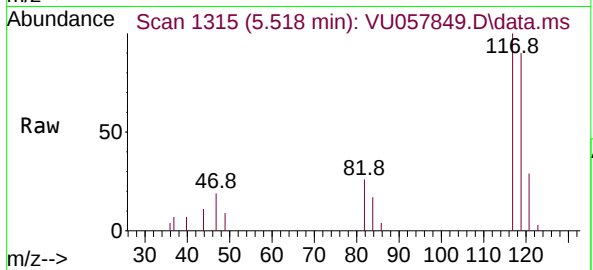




#31
Carbon tetrachloride
Concen: 2.623 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057849.D
Acq: 07 Feb 2024 18:48

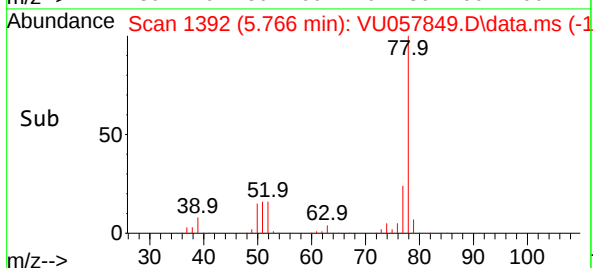
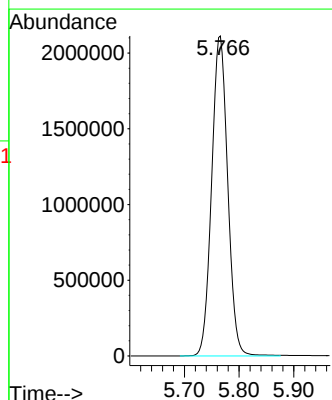
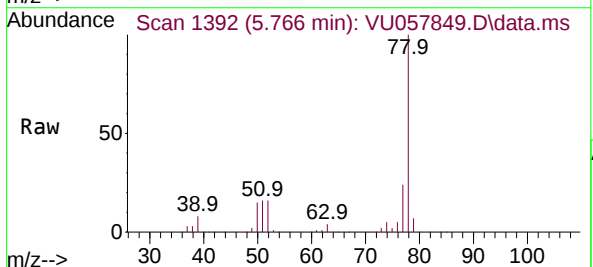
Instrument :
MSVOA_U
ClientSampleId :

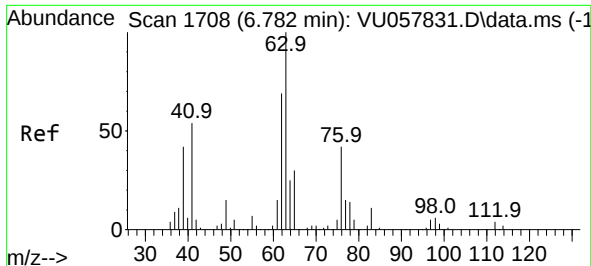
Tgt Ion:117 Resp: 7462
Ion Ratio Lower Upper
117 100
119 94.8 76.7 115.1



#33
Benzene
Concen: 537.040 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057849.D
Acq: 07 Feb 2024 18:48

Tgt Ion: 78 Resp: 4305871

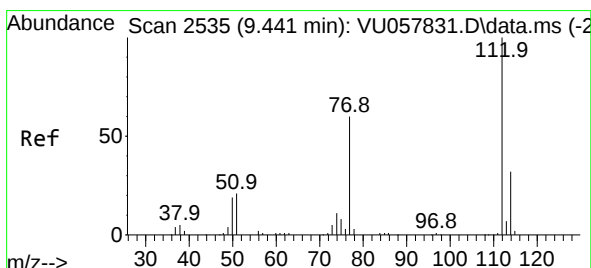
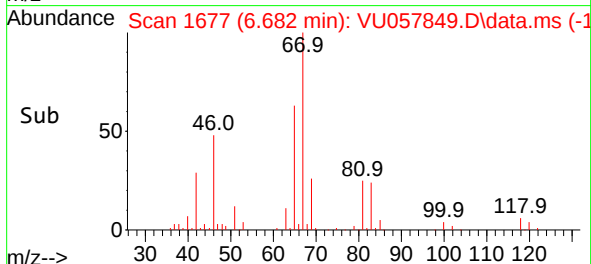
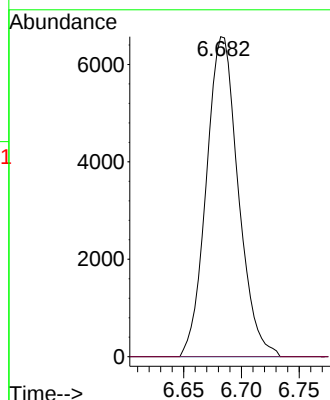
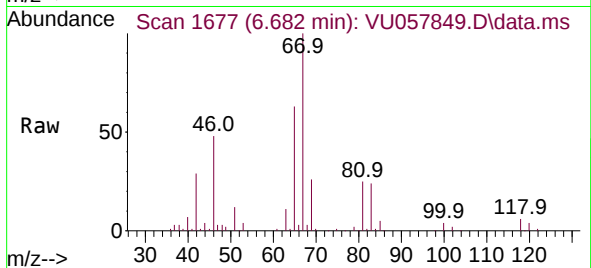




#37
1,2-Dichloropropane
Concen: 5.750 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU057849.D
Acq: 07 Feb 2024 18:48

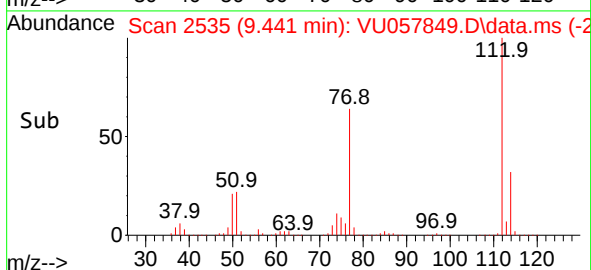
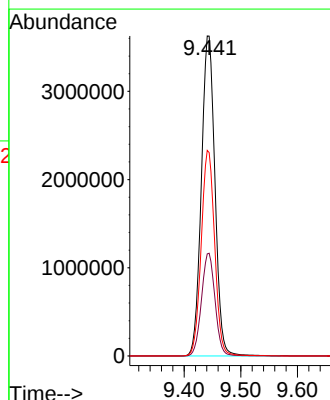
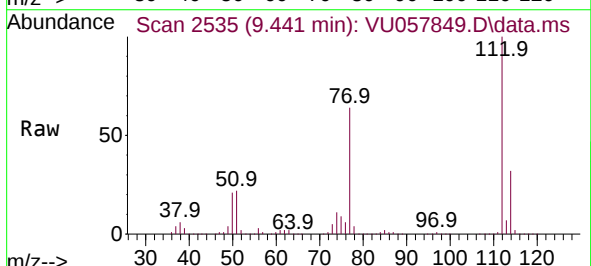
Instrument :
MSVOA_U
ClientSampleId :

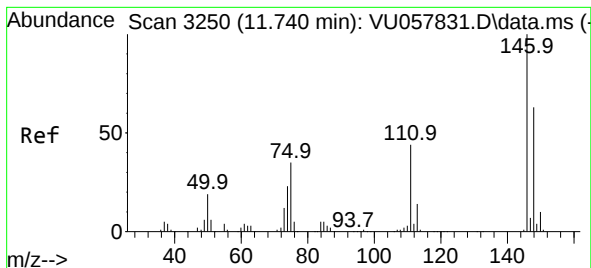
Tgt Ion: 63 Resp: 12639
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#51
Chlorobenzene
Concen: 1134.515 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU057849.D
Acq: 07 Feb 2024 18:48

Tgt Ion:112 Resp: 6050490
Ion Ratio Lower Upper
112 100
114 31.9 22.0 41.0
77 64.3 48.2 72.4





#64

1,3-Dichlorobenzene

Concen: 350.442 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

Instrument :

MSVOA_U

ClientSampleId :

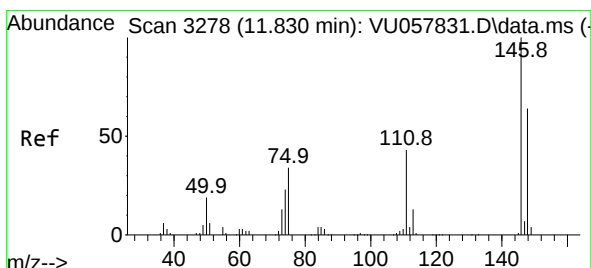
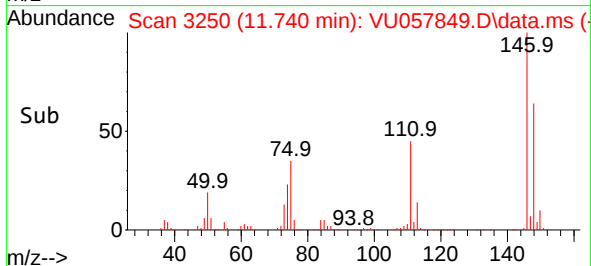
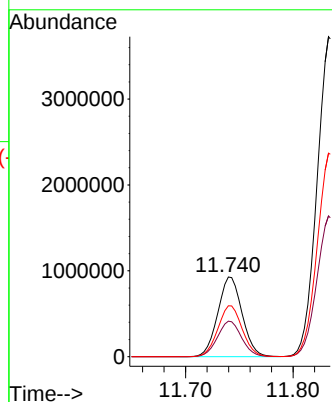
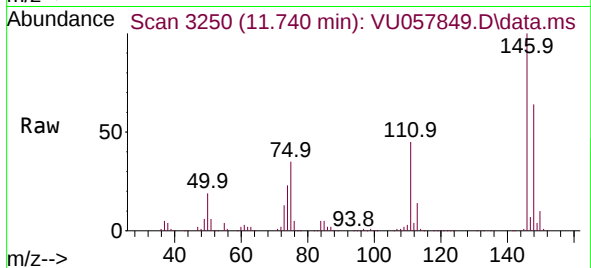
Tgt Ion:146 Resp: 1455035

Ion Ratio Lower Upper

146 100

111 44.5 31.1 57.7

148 63.9 46.8 86.8



#65

1,4-Dichlorobenzene

Concen: 1373.386 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

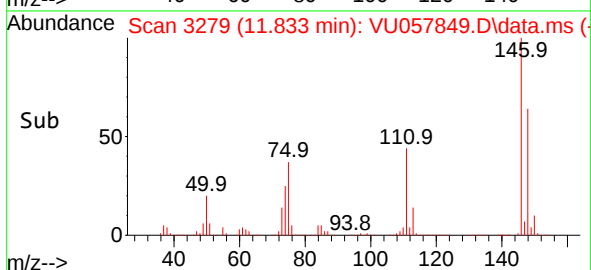
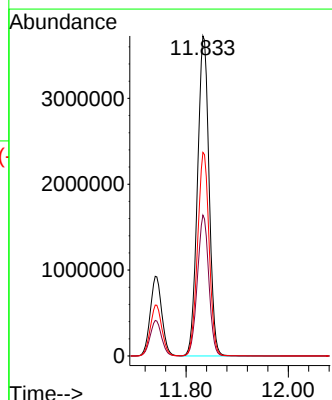
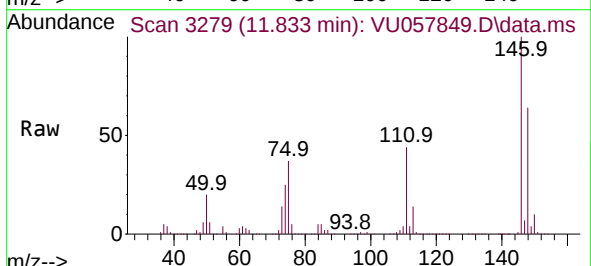
Tgt Ion:146 Resp: 5848876

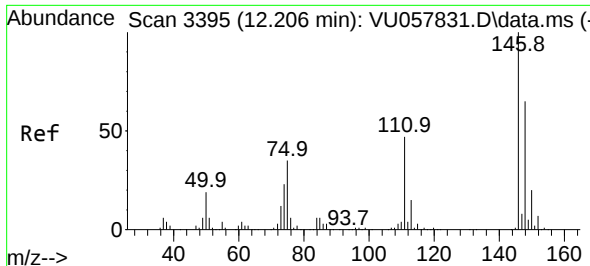
Ion Ratio Lower Upper

146 100

111 44.0 30.5 56.7

148 63.6 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 1301.002 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

Instrument :

MSVOA_U

ClientSampleId :

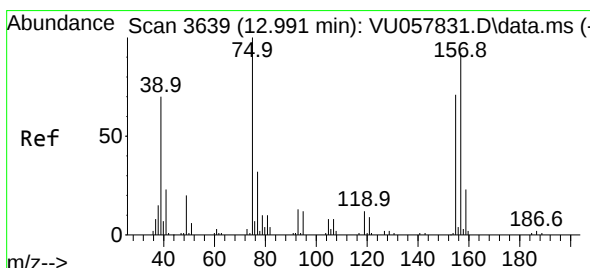
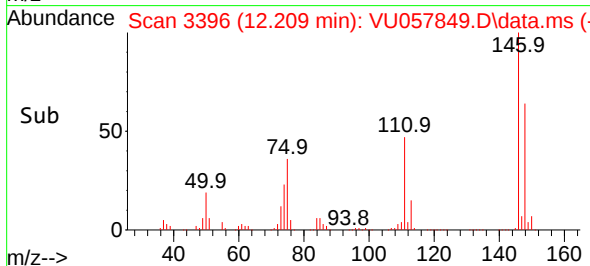
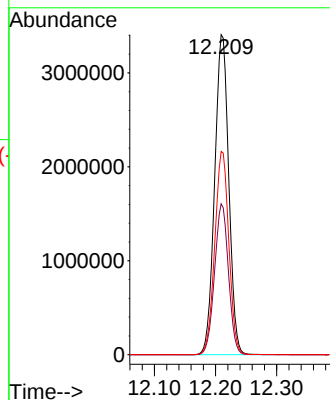
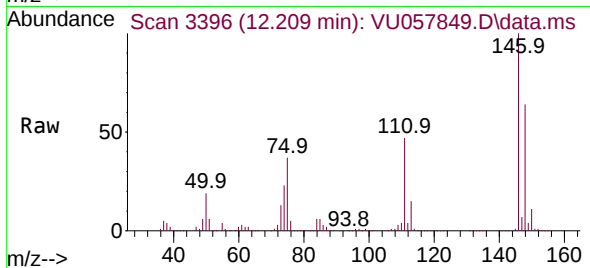
Tgt Ion:146 Resp: 5445453

Ion Ratio Lower Upper

146 100

111 47.1 37.8 56.8

148 63.5 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 6.242 ug/L

RT: 12.968 min Scan# 3632

Delta R.T. -0.023 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

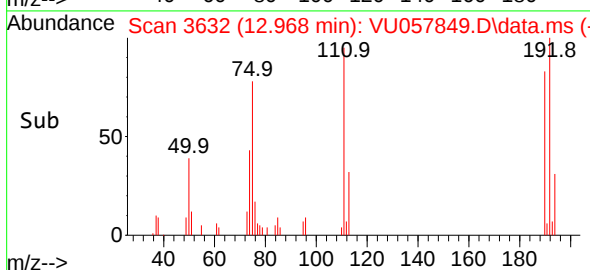
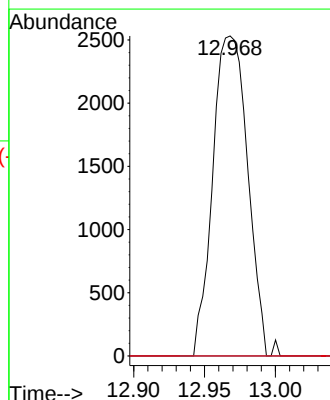
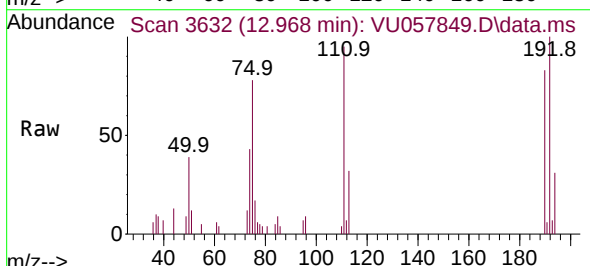
Tgt Ion: 75 Resp: 4347

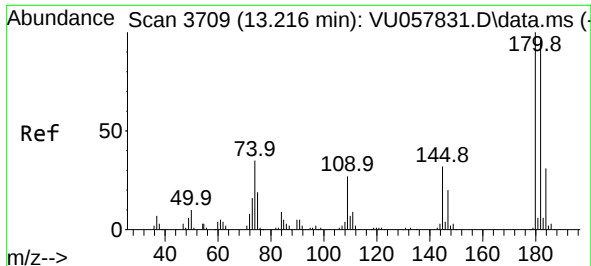
Ion Ratio Lower Upper

75 100

155 0.0 55.9 83.9#

157 0.0 71.1 106.7#





#69

1,3,5-Trichlorobenzene

Concen: 465.219 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.620 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 1360446

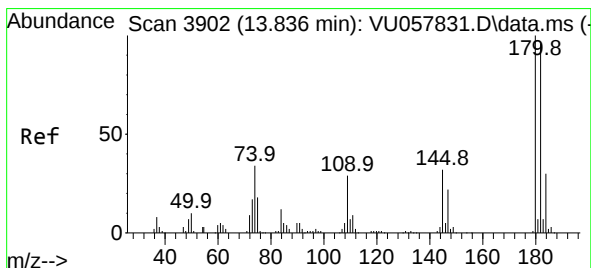
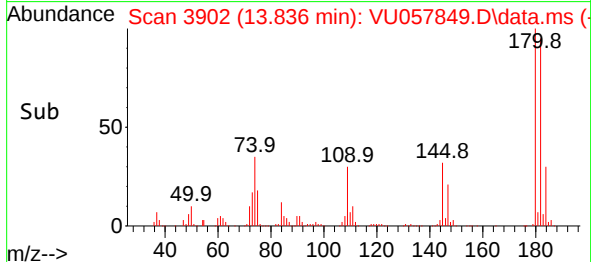
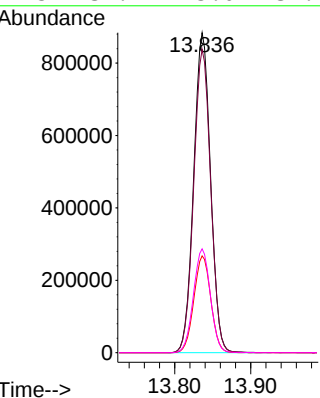
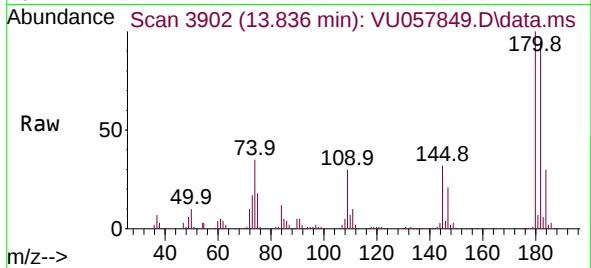
Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

184 30.4 24.3 36.5

145 32.7 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 544.603 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057849.D

Acq: 07 Feb 2024 18:48

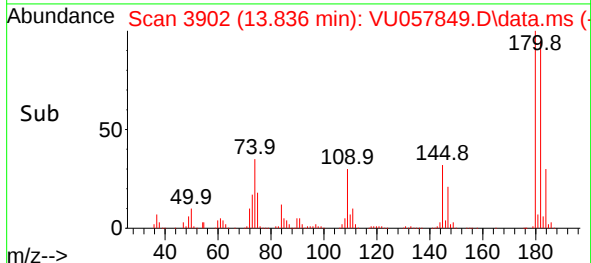
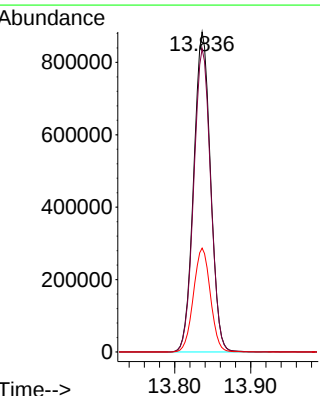
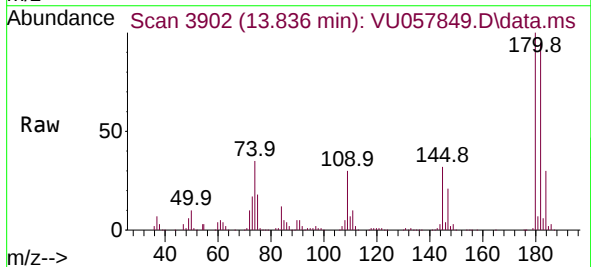
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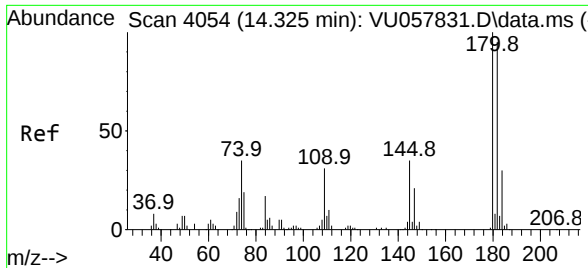
Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

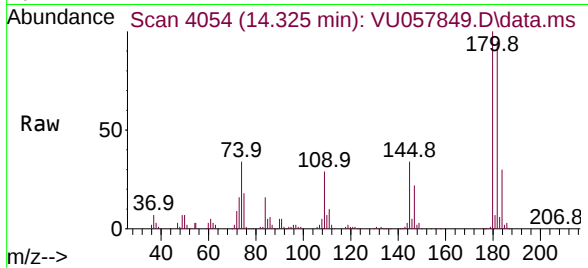
145 32.7 25.5 38.3





#72
 1,2,3-Trichlorobenzene
 Concen: 293.872 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. -0.000 min
 Lab File: VU057849.D
 Acq: 07 Feb 2024 18:48

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 686903

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	34.4	27.7	41.5

