

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070124\
 Data File : VV036370.D
 Acq On : 01 Jul 2024 13:07
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 02 02:37:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 02:29:42 2024
 Response via : Initial Calibration

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

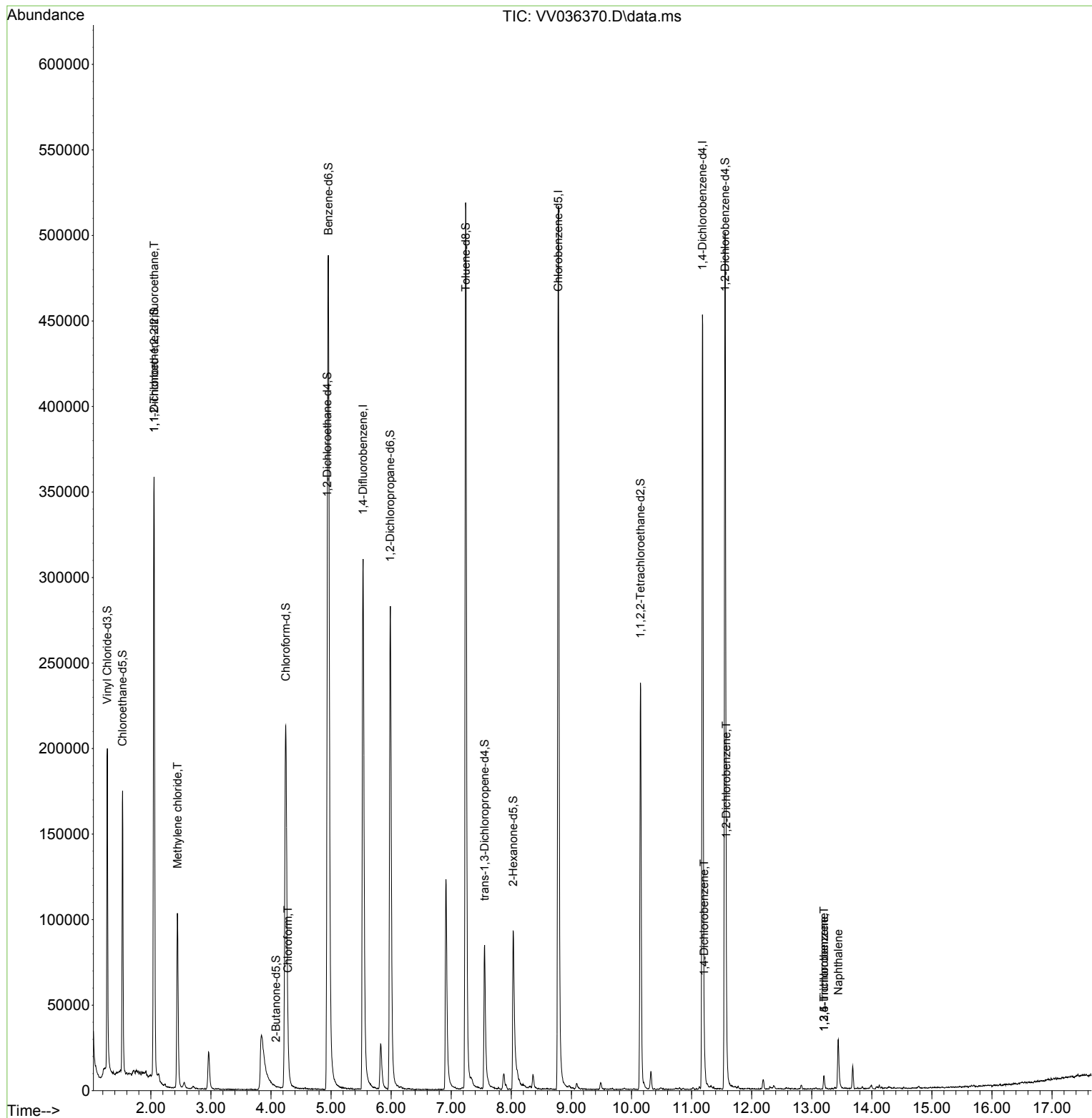
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	278940	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	297728	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	121505	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	125546	26.502	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.000%	
7) Chloroethane-d5	1.529	69	107745	28.475	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 113.920%	
11) 1,1-Dichloroethene-d2	2.053	65	59147	26.559	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 106.240%	
21) 2-Butanone-d5	4.082	46	247	0.225	ug/L	0.23
Spiked Amount	50.000	Range	20 - 135	Recovery	= 0.440%#	
24) Chloroform-d	4.246	84	234483	28.479	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 113.920%	
26) 1,2-Dichloroethane-d4	4.937	65	133288	30.355	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 121.440%	
32) Benzene-d6	4.957	84	436692	25.983	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.920%	
36) 1,2-Dichloropropane-d6	5.985	67	141306	27.952	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 111.800%	
41) Toluene-d8	7.239	98	361567	23.860	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 95.440%	
43) trans-1,3-Dichloroprop...	7.554	79	54879	24.310	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 97.240%	
47) 2-Hexanone-d5	8.030	63	34214	42.399	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 84.800%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	117962	28.466	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 113.880%	
66) 1,2-Dichlorobenzene-d4	11.558	152	134076	30.280	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 121.120%#	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.053	101	2046	0.412	ug/L #	39
16) Methylene chloride	2.442	84	45406	8.268	ug/L	98
25) Chloroform	4.281	83	7384	0.893	ug/L	93
65) 1,4-Dichlorobenzene	11.210	146	3659	0.446	ug/L	94
67) 1,2-Dichlorobenzene	11.577	146	6289	0.861	ug/L #	90
69) 1,3,5-Trichlorobenzene	13.204	180	2666	0.463	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	2666	0.580	ug/L	96
71) Naphthalene	13.442	128	25398	3.100	ug/L	98

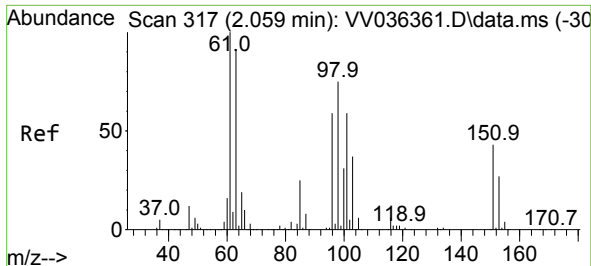
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070124\
Data File : VV036370.D
Acq On : 01 Jul 2024 13:07
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jul 02 02:37:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 02:29:42 2024
Response via : Initial Calibration

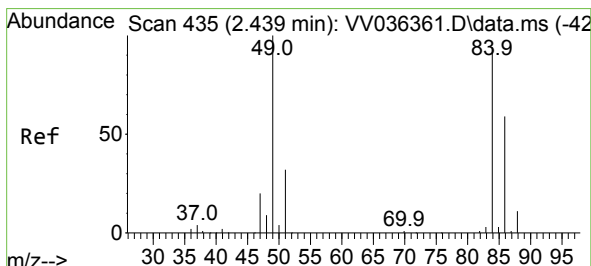
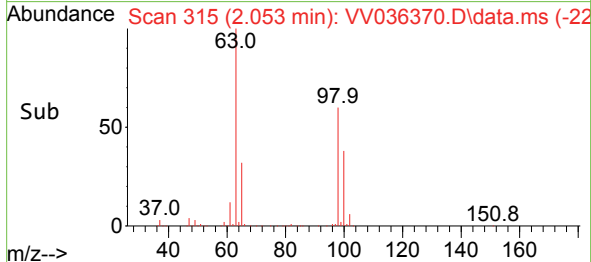
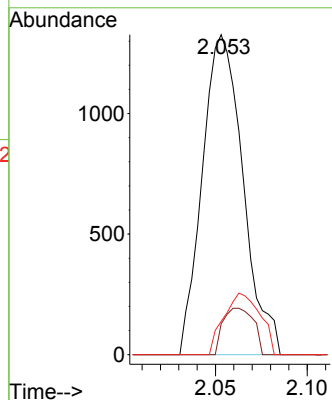
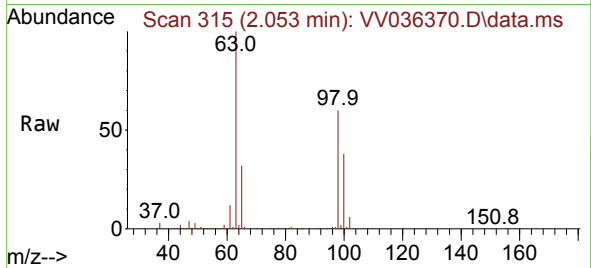




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.412 ug/L
RT: 2.053 min Scan# 317
Delta R.T. -0.006 min
Lab File: VV036370.D
Acq: 01 Jul 2024 13:07

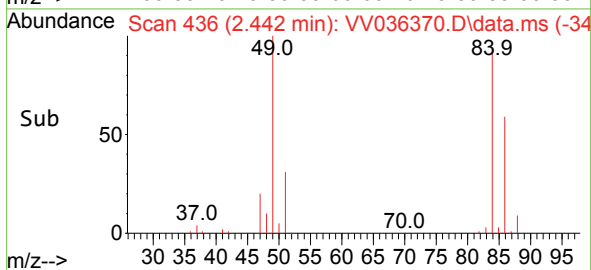
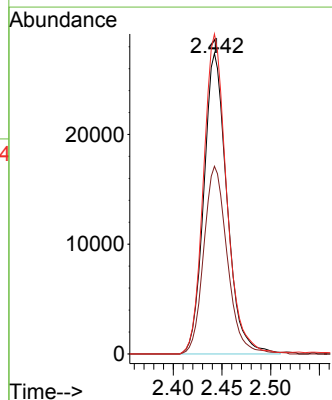
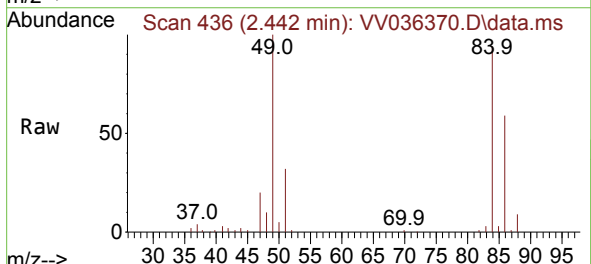
Instrument :
MSVOA_V
ClientSampleId :

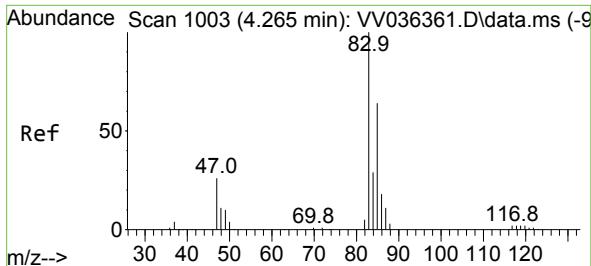
Tgt Ion:101 Resp: 2046
Ion Ratio Lower Upper
101 100
85 10.9 34.6 51.8#
151 17.1 58.9 88.3#



#16
Methylene chloride
Concen: 8.268 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV036370.D
Acq: 01 Jul 2024 13:07

Tgt Ion: 84 Resp: 45406
Ion Ratio Lower Upper
84 100
86 62.4 45.6 84.8
49 106.5 75.7 140.5





#25

Chloroform

Concen: 0.893 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.016 min

Lab File: VV036370.D

Acq: 01 Jul 2024 13:07

Instrument :

MSVOA_V

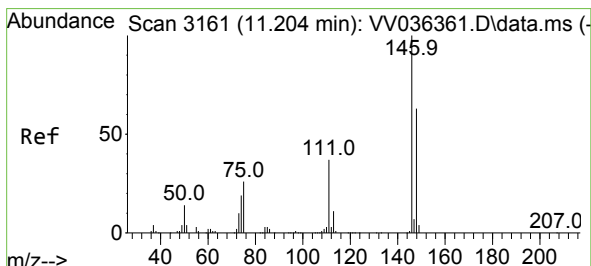
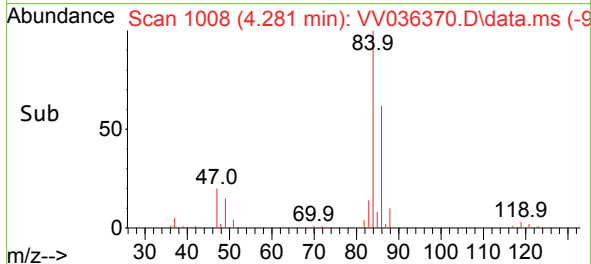
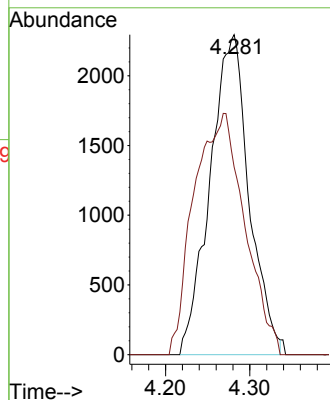
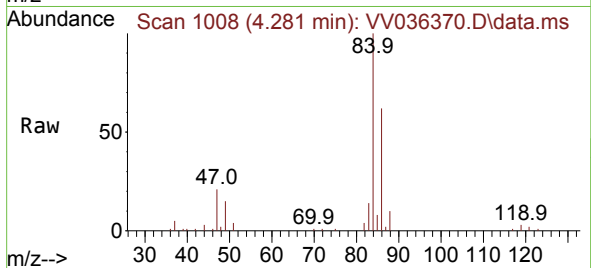
ClientSampleId :

Tgt Ion: 83 Resp: 7384

Ion Ratio Lower Upper

83 100

85 58.6 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 0.446 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.007 min

Lab File: VV036370.D

Acq: 01 Jul 2024 13:07

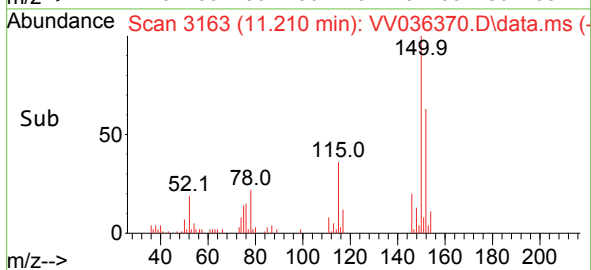
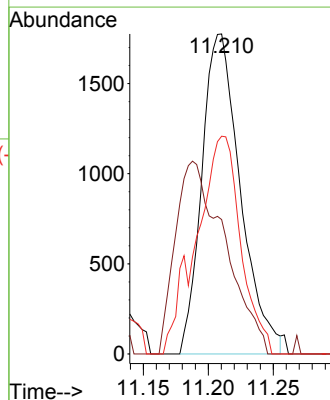
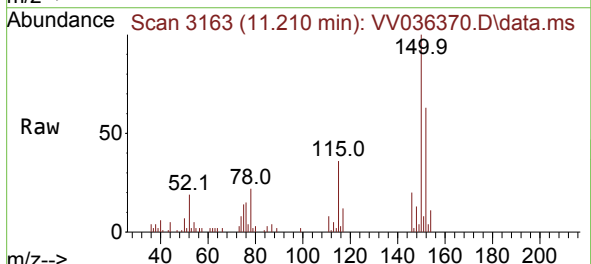
Tgt Ion: 146 Resp: 3659

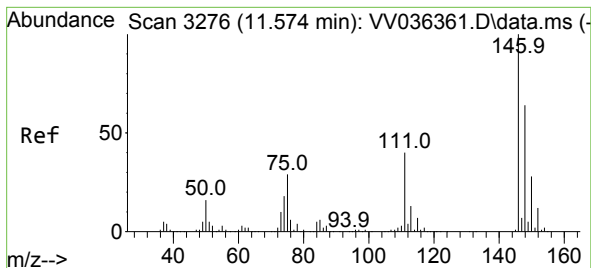
Ion Ratio Lower Upper

146 100

111 42.0 27.5 51.1

148 68.1 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 0.861 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036370.D

Acq: 01 Jul 2024 13:07

Instrument :

MSVOA_V

ClientSampleId :

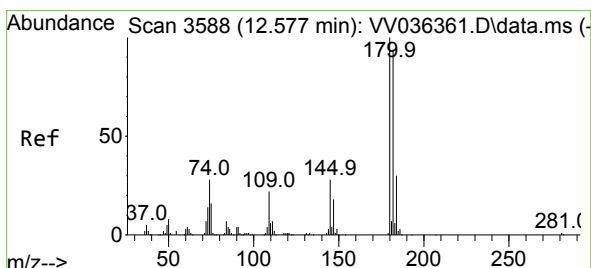
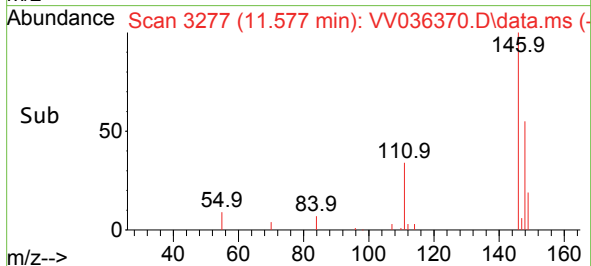
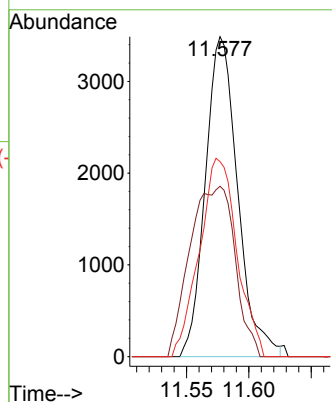
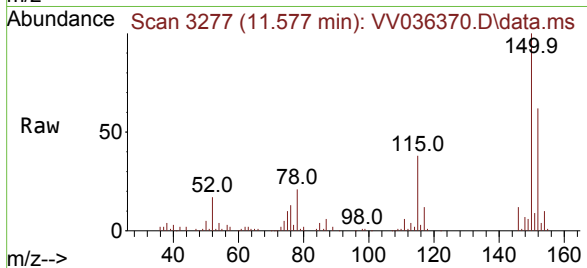
Tgt Ion:146 Resp: 6289

Ion Ratio Lower Upper

146 100

111 53.3 33.3 49.9#

148 61.0 51.1 76.7



#69

1,3,5-Trichlorobenzene

Concen: 0.463 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.627 min

Lab File: VV036370.D

Acq: 01 Jul 2024 13:07

Tgt Ion:180 Resp: 2666

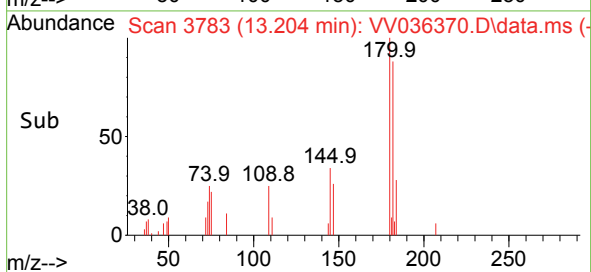
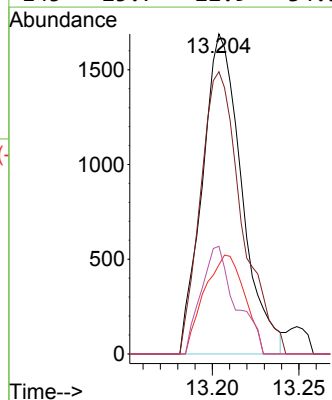
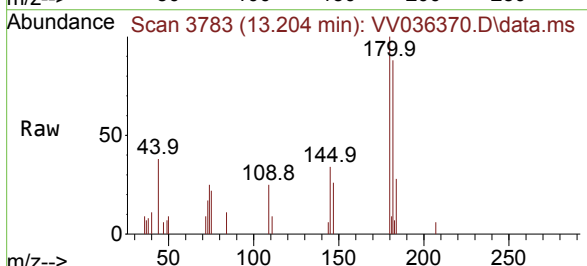
Ion Ratio Lower Upper

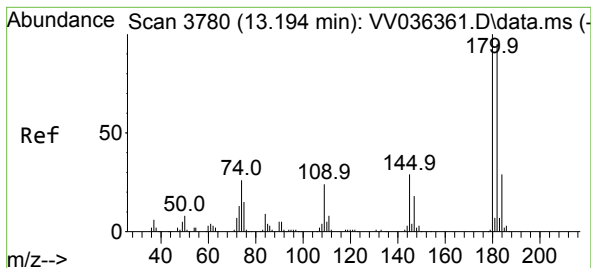
180 100

182 92.4 76.2 114.4

184 31.5 23.3 34.9

145 25.7 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 0.580 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV036370.D

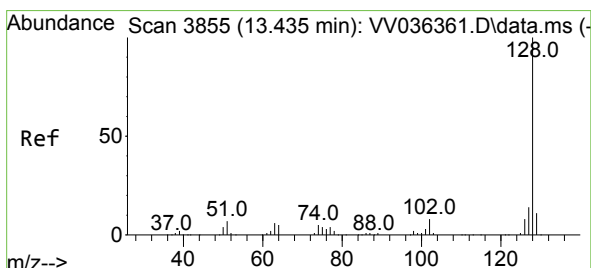
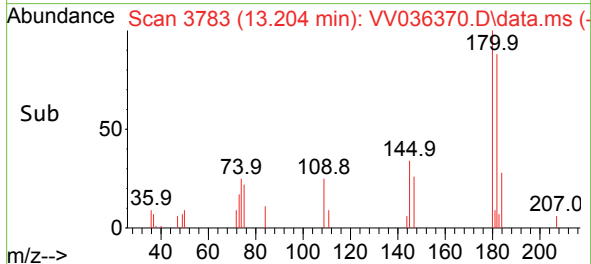
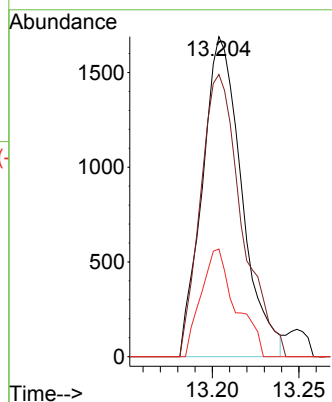
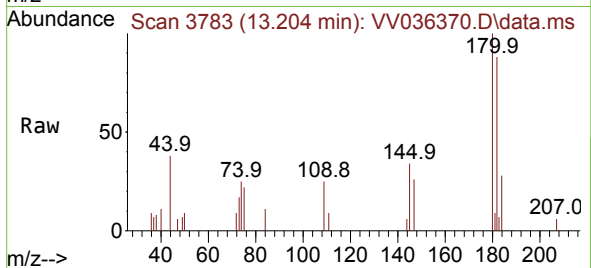
Acq: 01 Jul 2024 13:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180	Resp:	2666
Ion Ratio	Lower	Upper
180	100	
182	92.4	76.1 114.1
145	25.7	23.8 35.8



#71

Naphthalene

Concen: 3.100 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.006 min

Lab File: VV036370.D

Acq: 01 Jul 2024 13:07

Tgt Ion:128	Resp:	25398
Ion Ratio	Lower	Upper
128	100	
127	15.0	10.8 16.2
129	11.0	8.6 13.0

