

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042324\
 Data File : VV035357.D
 Acq On : 23 Apr 2024 13:38
 Operator : SY/MD
 Sample : P2158-06DL 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

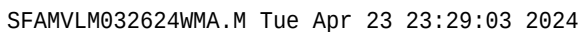
Quant Time: Apr 23 23:28:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 23:26:51 2024
 Response via : Initial Calibration

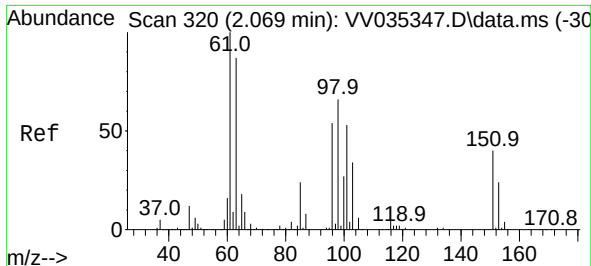
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	355806	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	355877	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	174789	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	173573	50.513	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.020%			
7) Chloroethane-d5	1.532	69	144209	48.318	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.640%			
11) 1,1-Dichloroethene-d2	2.059	65	73485	48.786	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.580%			
21) 2-Butanone-d5	3.789	46	187212	91.863	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.860%			
24) Chloroform-d	4.246	84	305912	52.950	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.900%			
26) 1,2-Dichloroethane-d4	4.940	65	191233	52.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.280%			
32) Benzene-d6	4.960	84	617808	51.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.360%			
36) 1,2-Dichloropropane-d6	5.985	67	197880	52.128	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.260%			
41) Toluene-d8	7.243	98	524116	48.684	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.360%			
43) trans-1,3-Dichloroprop...	7.554	79	83246	45.110	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.220%			
47) 2-Hexanone-d5	8.024	63	110507	76.997	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 77.000%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	271510	51.940	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.880%			
66) 1,2-Dichlorobenzene-d4	11.557	152	223593	56.975	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.960%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	1988	0.712	ug/L #	22
33) Benzene	5.008	78	525512	45.285	ug/L	100
35) Methylcyclohexane	5.985	83	46679	9.869	ug/L #	20
39) cis-1,3-Dichloropropene	6.908	75	4889	0.968	ug/L #	54
48) 2-Hexanone	8.082	43	26141	7.506	ug/L #	87
51) Chlorobenzene	8.812	112	773009	98.170	ug/L	99
61) 1,2,3-Trichloropropane	11.117	75	18015	4.756	ug/L #	50
64) 1,3-Dichlorobenzene	11.117	146	63840	10.841	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	541100	90.360	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	817522	139.364	ug/L	98
69) 1,3,5-Trichlorobenzene	13.197	180	69306	16.331	ug/L	97
70) 1,2,4-trichlorobenzene	13.197	180	69306	17.778	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	25915	6.744	ug/L	98

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

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Quant Title : VOC Analysis
QLast Update : Tue Apr 23 23:26:51 2024
Response via : Initial Calibration

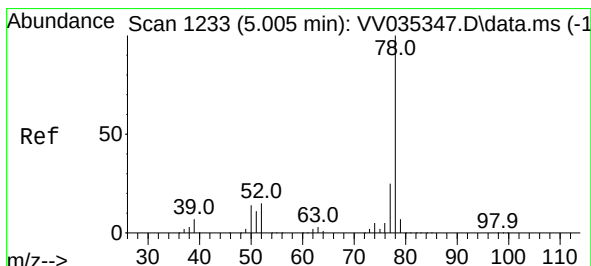
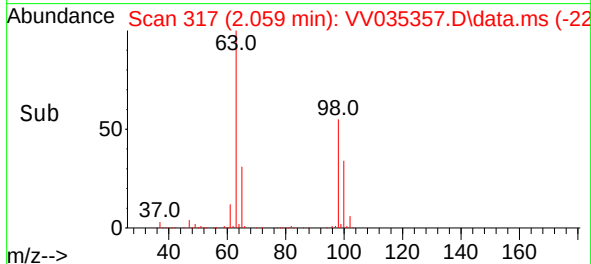
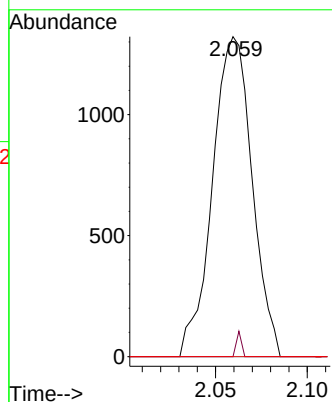
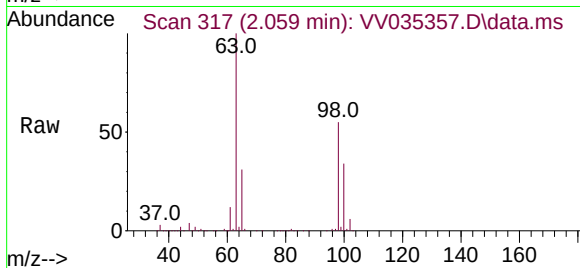




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.712 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.010 min
Lab File: VV035357.D
Acq: 23 Apr 2024 13:38

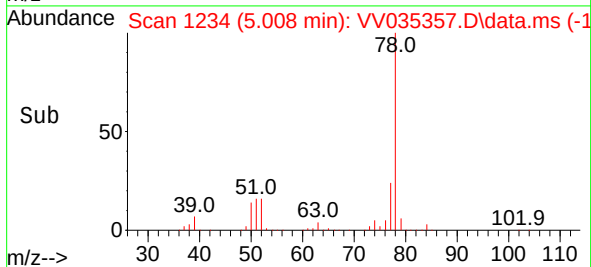
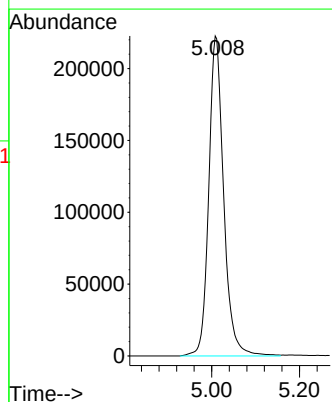
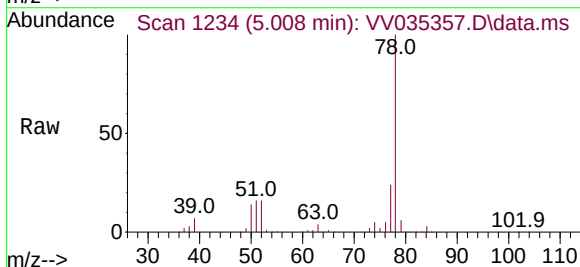
Instrument :
MSVOA_V
ClientSampleId :

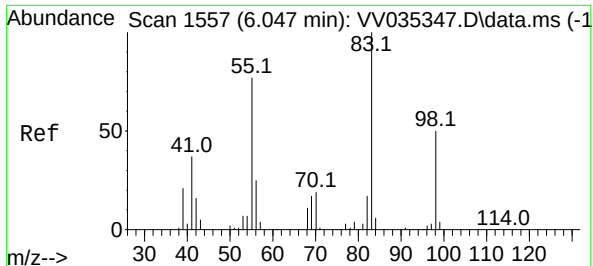
Tgt Ion:101 Resp: 1988
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 55.0 82.4#



#33
Benzene
Concen: 45.285 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV035357.D
Acq: 23 Apr 2024 13:38

Tgt Ion: 78 Resp: 525512





#35

Methylcyclohexane

Concen: 9.869 ug/L

RT: 5.985 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV035357.D

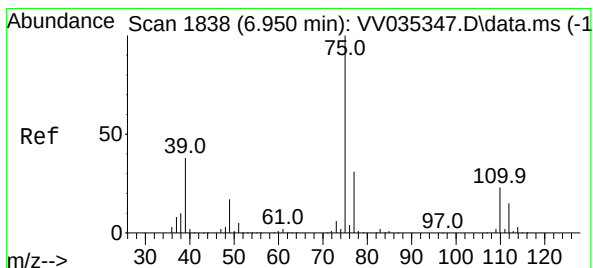
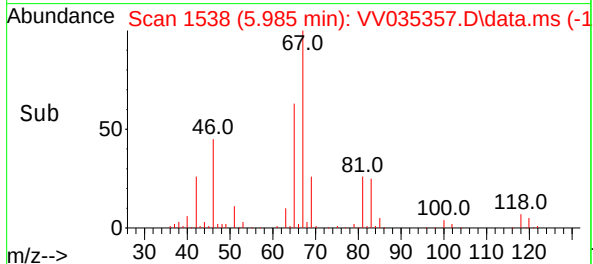
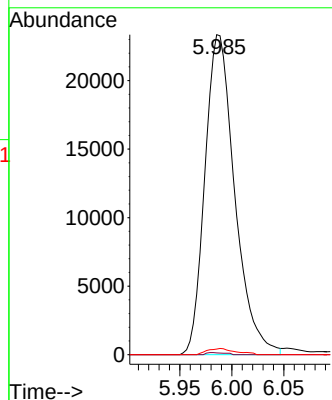
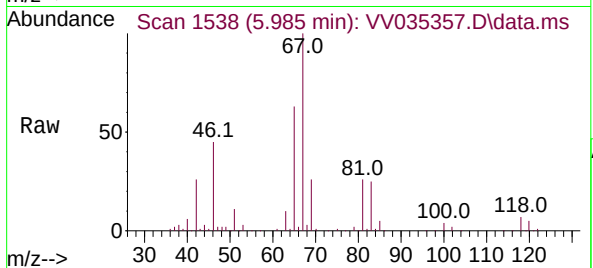
Acq: 23 Apr 2024 13:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 46679
Ion Ratio	Lower Upper
83 100	
55 0.4	60.0 90.0#
98 1.7	37.6 56.4#



#39

cis-1,3-Dichloropropene

Concen: 0.968 ug/L

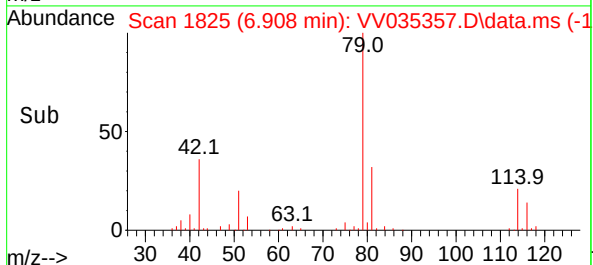
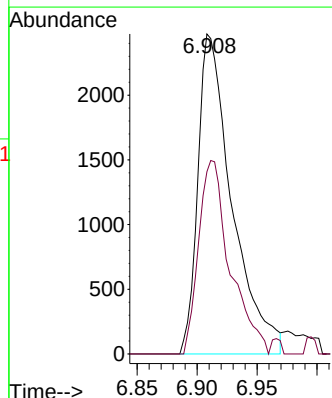
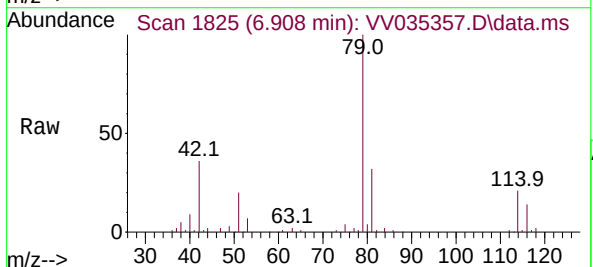
RT: 6.908 min Scan# 1825

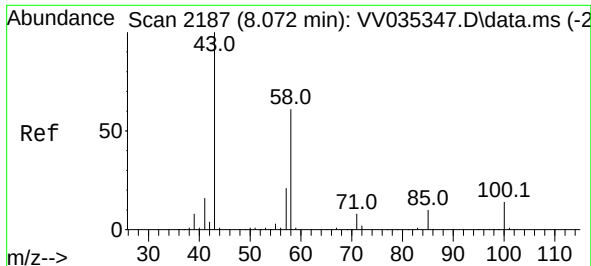
Delta R.T. -0.042 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

Tgt Ion: 75	Resp: 4889
Ion Ratio	Lower Upper
75 100	
77 56.9	21.9 40.7#

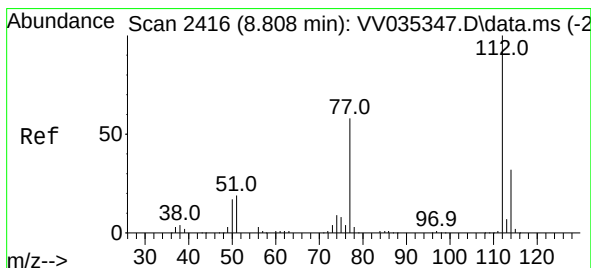
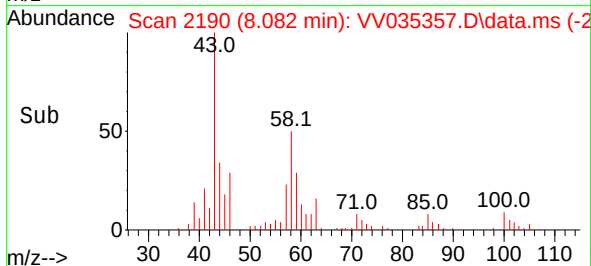
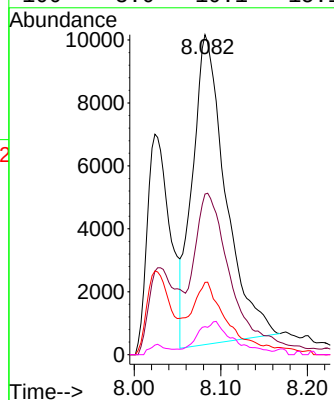
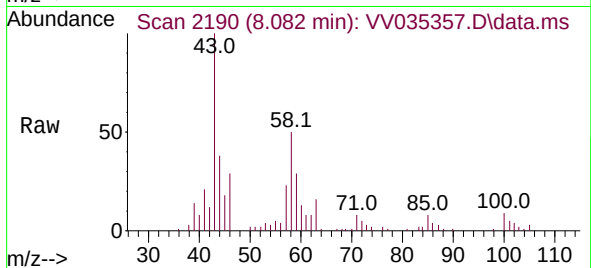




#48
2-Hexanone
Concen: 7.506 ug/L
RT: 8.082 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VV035357.D
Acq: 23 Apr 2024 13:38

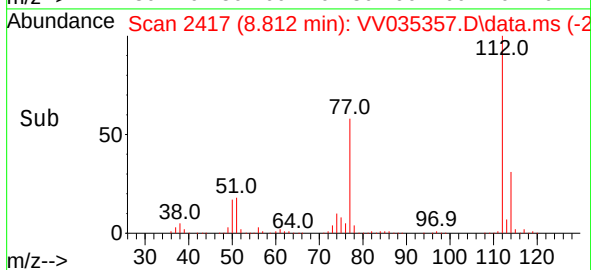
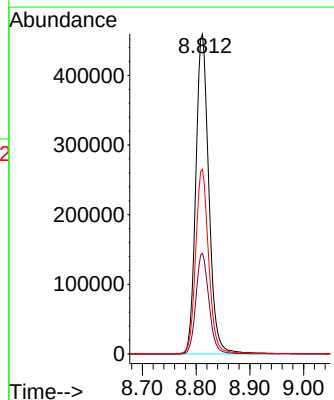
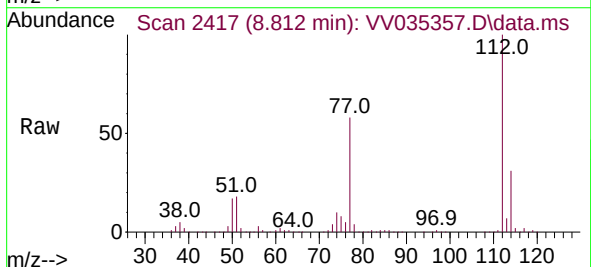
Instrument :
MSVOA_V
ClientSampleId :

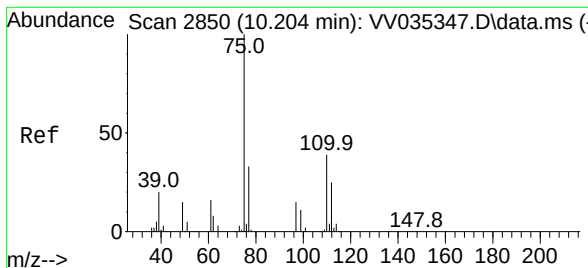
Tgt Ion: 43	Resp: 26141
Ion Ratio	Lower Upper
43 100	
58 47.0	45.4 68.2
57 18.9	16.2 24.4
100 3.0	10.1 15.1#



#51
Chlorobenzene
Concen: 98.170 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035357.D
Acq: 23 Apr 2024 13:38

Tgt Ion:112	Resp: 773009		
Ion Ratio	Lower	Upper	
112 100			
114 31.5	22.0	41.0	
77 57.7	47.4	71.2	





#61

1,2,3-Trichloropropane

Concen: 4.756 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.913 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

Instrument :

MSVOA_V

ClientSampleId :

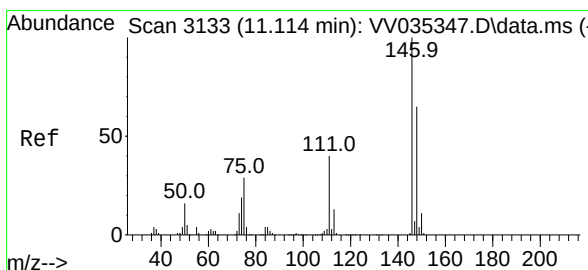
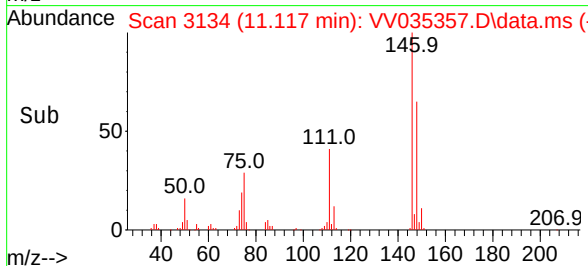
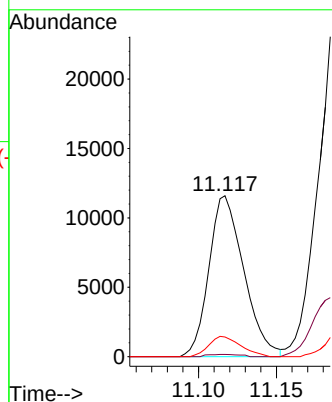
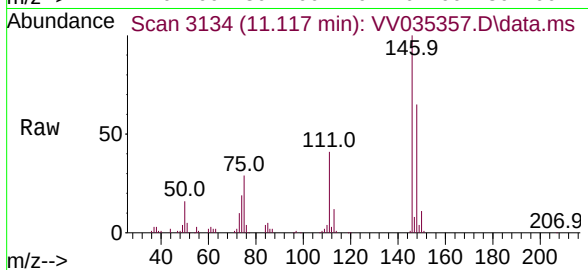
Tgt Ion: 75 Resp: 18015

Ion Ratio Lower Upper

75 100

77 0.2 26.0 39.0#

110 11.6 30.5 45.7#



#64

1,3-Dichlorobenzene

Concen: 10.841 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

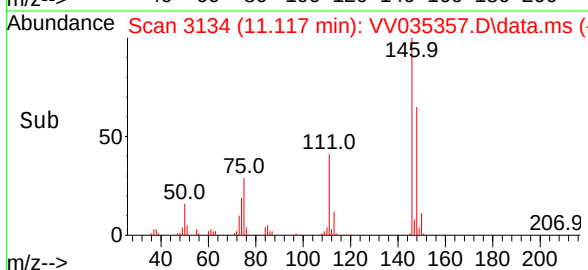
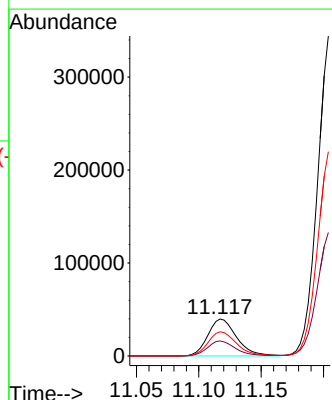
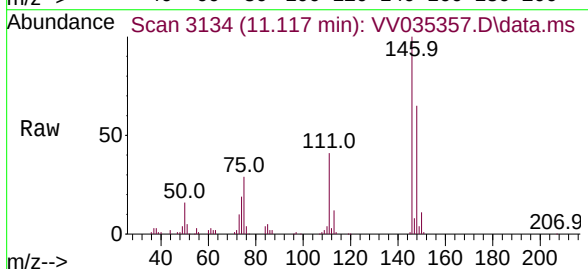
Tgt Ion:146 Resp: 63840

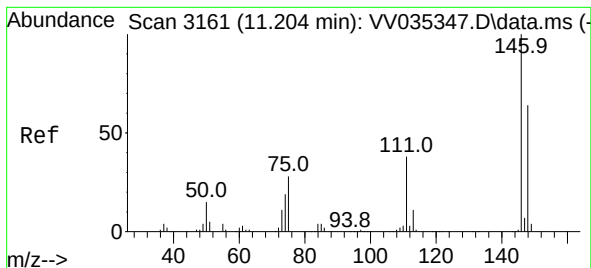
Ion Ratio Lower Upper

146 100

111 40.6 28.7 53.3

148 65.3 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 90.360 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

Instrument :

MSVOA_V

ClientSampleId :

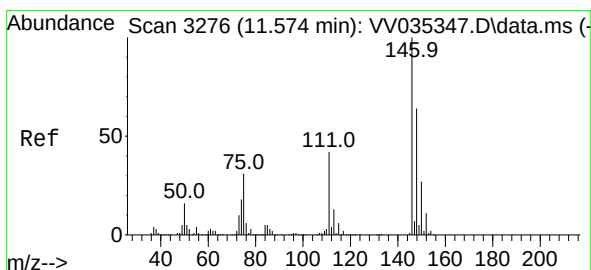
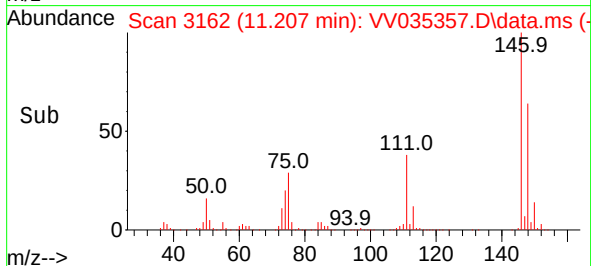
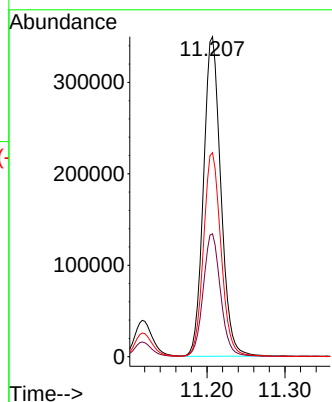
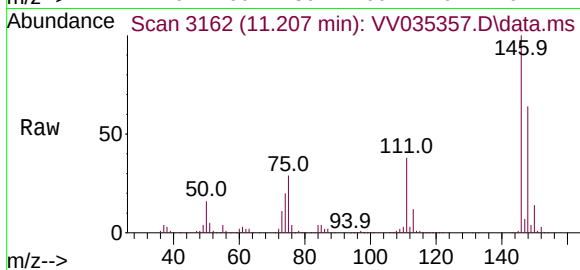
Tgt Ion:146 Resp: 541100

Ion Ratio Lower Upper

146 100

111 38.4 27.4 50.8

148 63.8 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 139.364 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

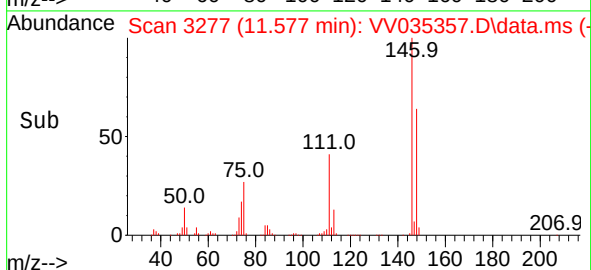
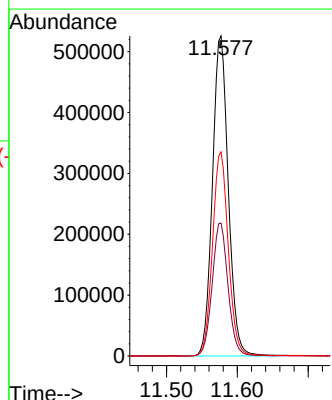
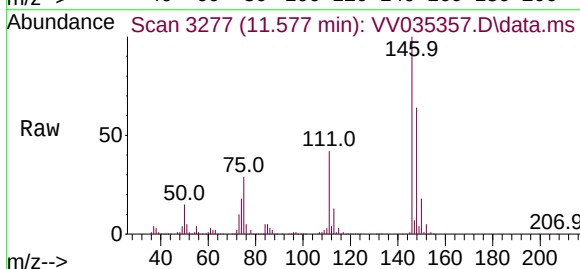
Tgt Ion:146 Resp: 817522

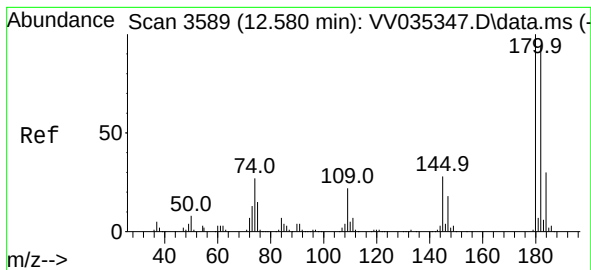
Ion Ratio Lower Upper

146 100

111 41.6 34.6 52.0

148 63.8 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 16.331 ug/L

RT: 13.197 min Scan# 3

Delta R.T. 0.617 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 69306

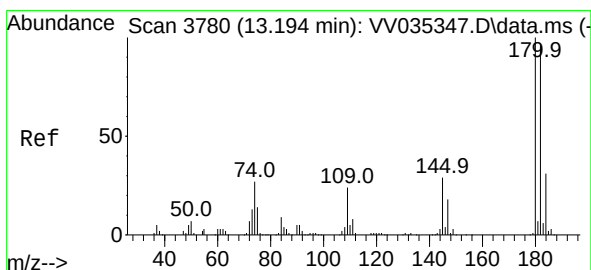
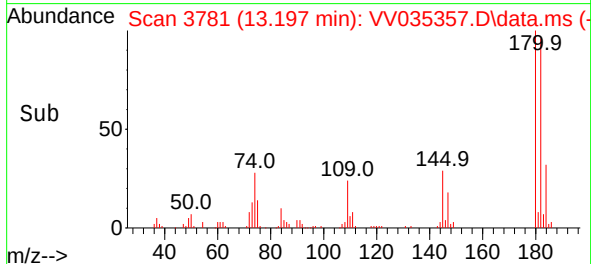
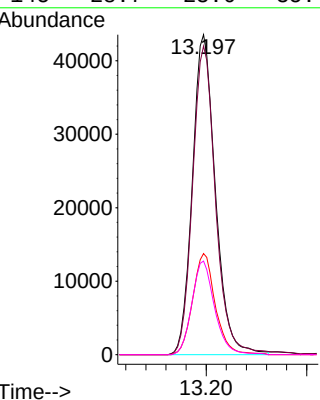
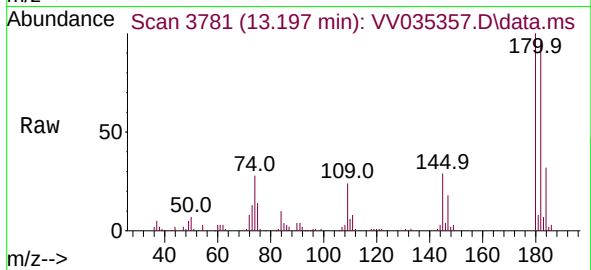
Ion Ratio Lower Upper

180 100

182 96.6 74.7 112.1

184 31.1 24.0 36.0

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 17.778 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035357.D

Acq: 23 Apr 2024 13:38

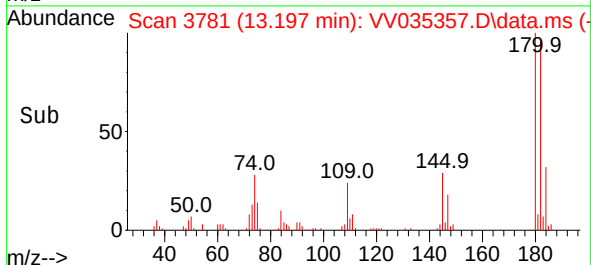
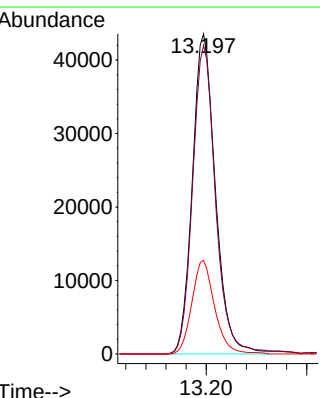
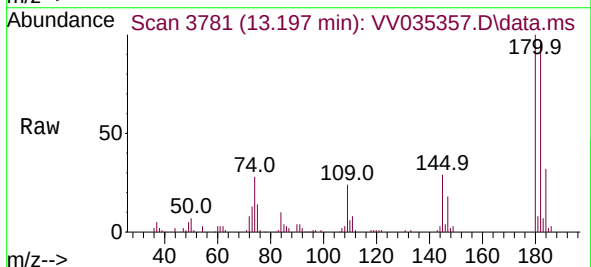
Tgt Ion:180 Resp: 69306

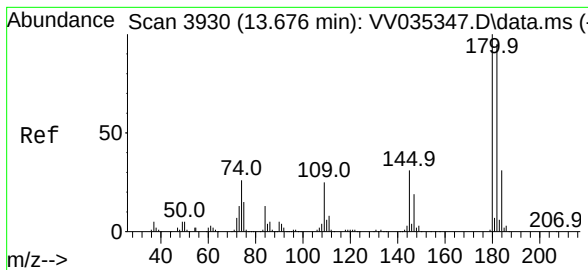
Ion Ratio Lower Upper

180 100

182 96.6 75.6 113.4

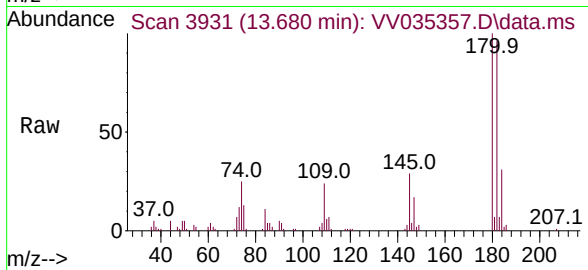
145 28.7 24.1 36.1





#72
 1,2,3-Trichlorobenzene
 Concen: 6.744 ug/L
 RT: 13.680 min Scan# 3931
 Delta R.T. 0.003 min
 Lab File: VV035357.D
 Acq: 23 Apr 2024 13:38

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	25915
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.2	114.2
145	29.4	25.8	38.6

