

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032024\
 Data File : VV034768.D
 Acq On : 20 Mar 2024 17:19
 Operator : SY/MD
 Sample : P1755-17
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 21 02:21:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 02:16:15 2024
 Response via : Initial Calibration

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

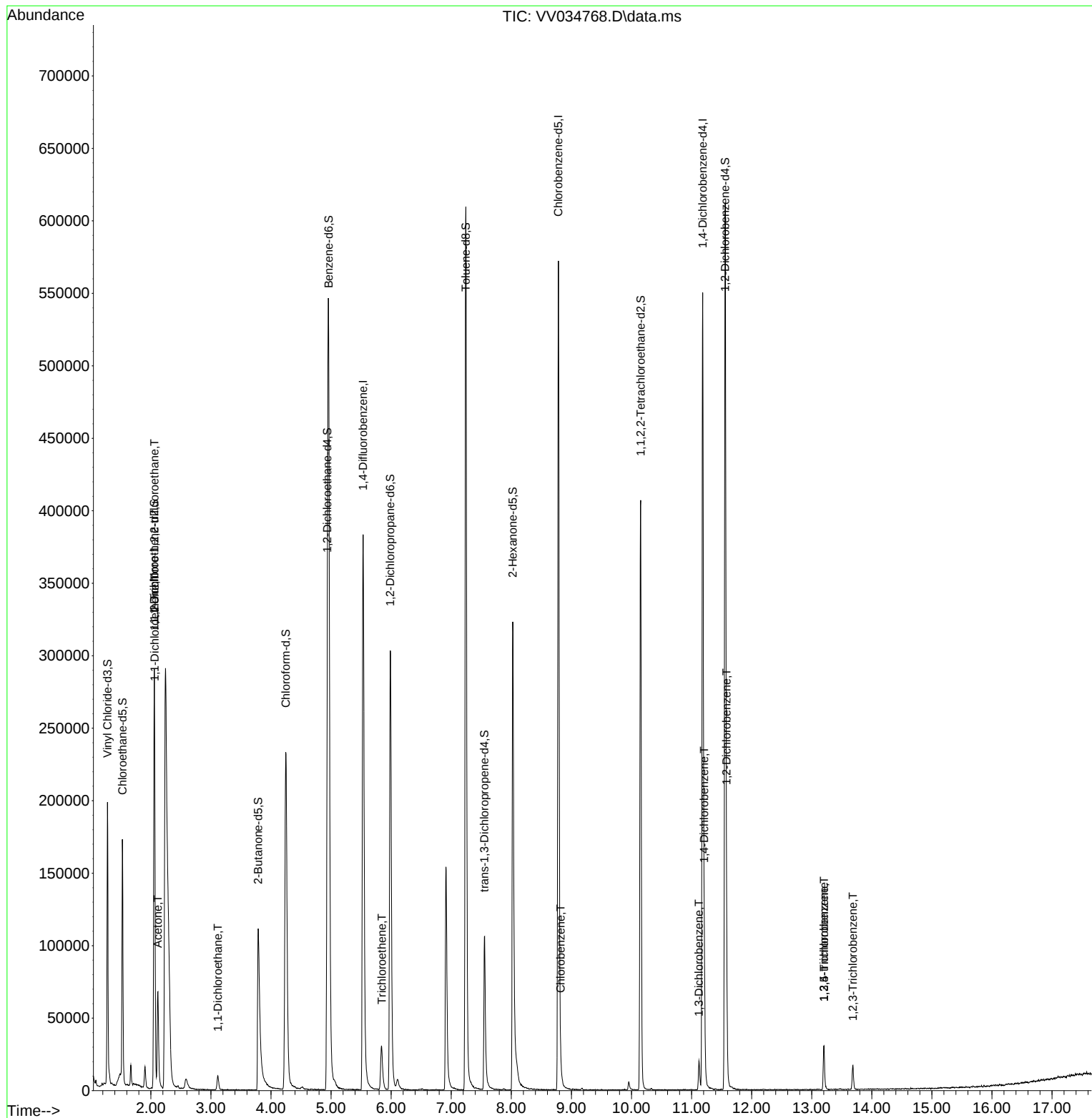
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	332777	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	309759	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	138638	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	119434	41.401	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.800%		
7) Chloroethane-d5	1.526	69	105338	46.869	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.740%		
11) 1,1-Dichloroethene-d2	2.056	65	48493	37.169	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.340%		
21) 2-Butanone-d5	3.786	46	188250	97.579	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.580%		
24) Chloroform-d	4.246	84	247183	48.461	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.920%		
26) 1,2-Dichloroethane-d4	4.937	65	169804	50.944	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.880%		
32) Benzene-d6	4.960	84	477766	51.106	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.220%		
36) 1,2-Dichloropropane-d6	5.986	67	145933	51.150	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.300%		
41) Toluene-d8	7.243	98	407959	48.222	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.440%		
43) trans-1,3-Dichloroprop...	7.551	79	65464	45.693	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.380%		
47) 2-Hexanone-d5	8.024	63	111741	78.433	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.430%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	193410	51.514	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.020%		
66) 1,2-Dichlorobenzene-d4	11.561	152	148270	52.322	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.640%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	1892	0.704	ug/L #	20
12) 1,1-Dichloroethene	2.063	96	3666	1.471	ug/L #	1
13) Acetone	2.114	43	72876	31.423	ug/L	99
19) 1,1-Dichloroethane	3.114	63	9727	2.059	ug/L	95
34) Trichloroethene	5.844	95	9808	3.589	ug/L	94
51) Chlorobenzene	8.818	112	7057	1.073	ug/L	97
64) 1,3-Dichlorobenzene	11.124	146	8740	1.928	ug/L	90
65) 1,4-Dichlorobenzene	11.210	146	37930	8.239	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	36331	7.998	ug/L	97
69) 1,3,5-Trichlorobenzene	13.204	180	9575	2.815	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	9575	3.129	ug/L	96
72) 1,2,3-Trichlorobenzene	13.686	180	5641	1.890	ug/L	99

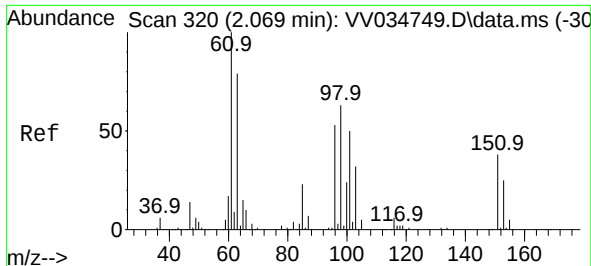
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 21 02:16:15 2024
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.704 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.009 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA_V

ClientSampleId :

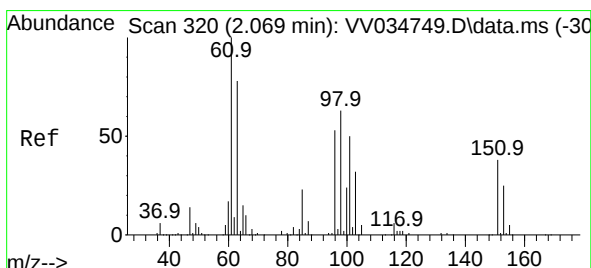
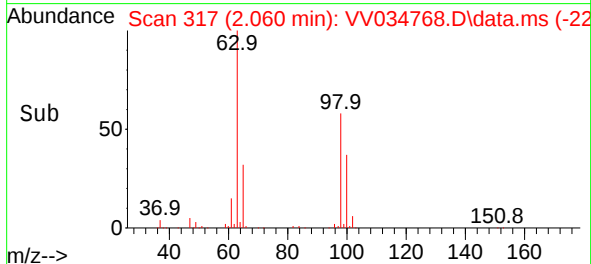
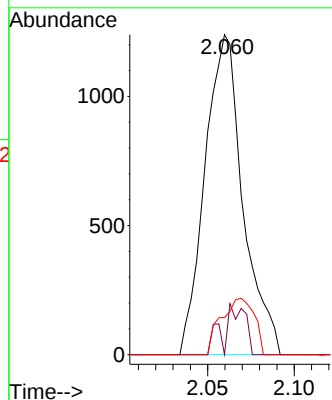
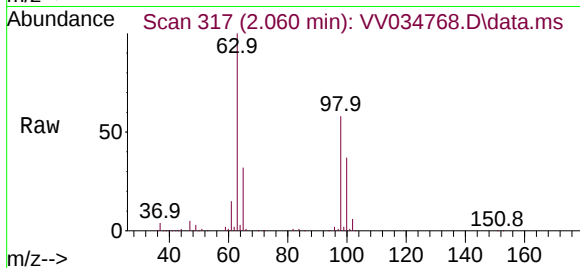
Tgt Ion:101 Resp: 1892

Ion Ratio Lower Upper

101 100

85 3.4 37.4 56.0#

151 0.0 61.4 92.2#



#12

1,1-Dichloroethene

Concen: 1.471 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.006 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

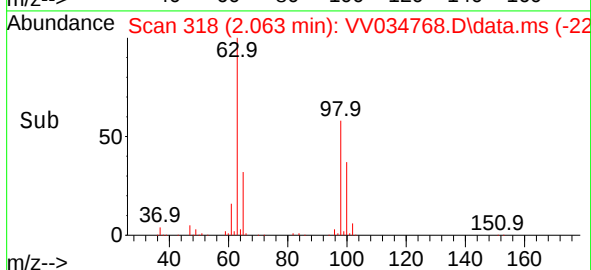
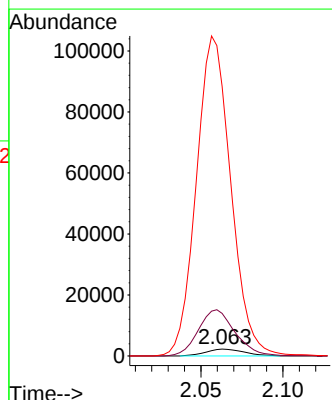
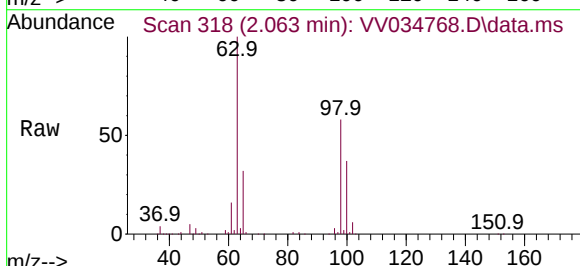
Tgt Ion: 96 Resp: 3666

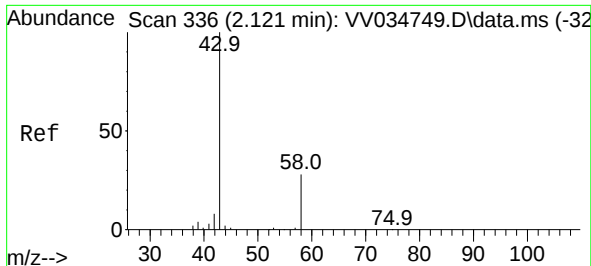
Ion Ratio Lower Upper

96 100

61 624.0 128.9 239.3#

63 3953.8 98.0 182.0#





#13

Acetone

Concen: 31.423 ug/L

RT: 2.114 min Scan# 336

Delta R.T. -0.006 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA_V

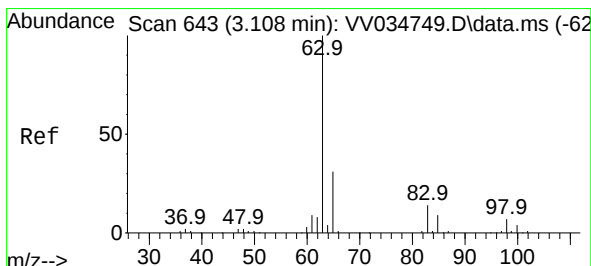
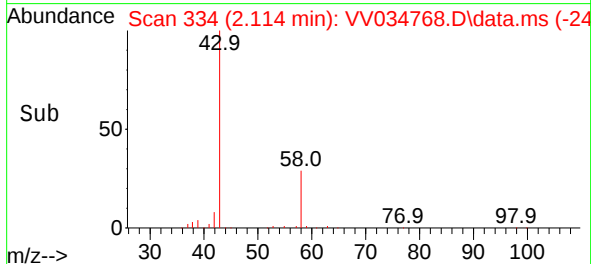
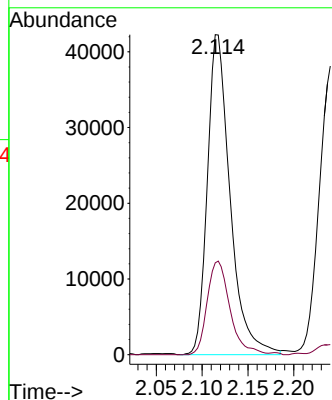
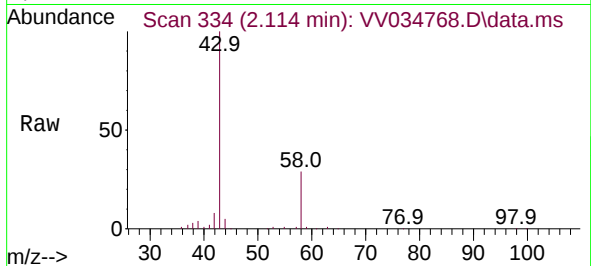
ClientSampleId :

Tgt Ion: 43 Resp: 72876

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.2



#19

1,1-Dichloroethane

Concen: 2.059 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.007 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

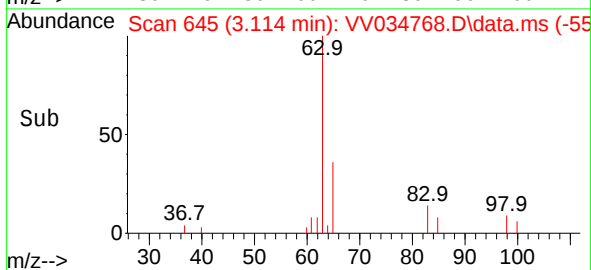
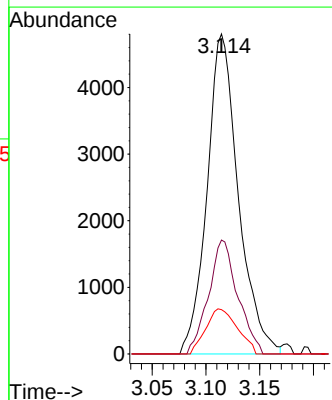
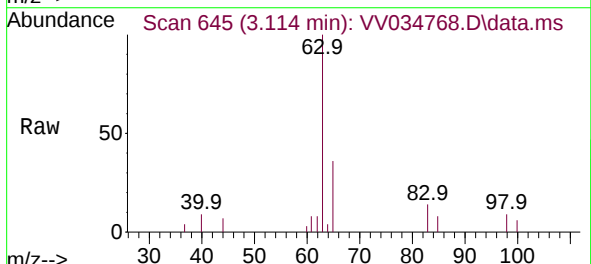
Tgt Ion: 63 Resp: 9727

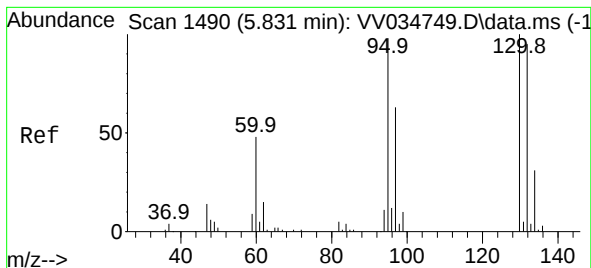
Ion Ratio Lower Upper

63 100

65 35.6 22.1 41.1

83 13.8 9.9 18.3





#34

Trichloroethene

Concen: 3.589 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.013 min

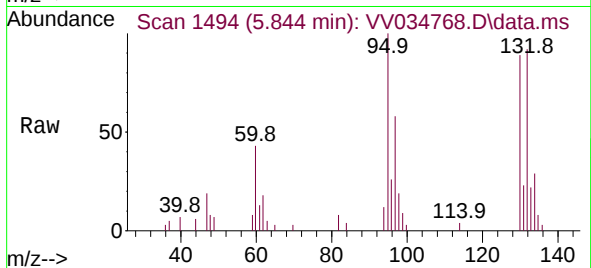
Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 9808

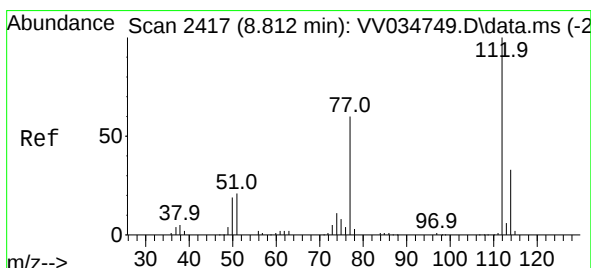
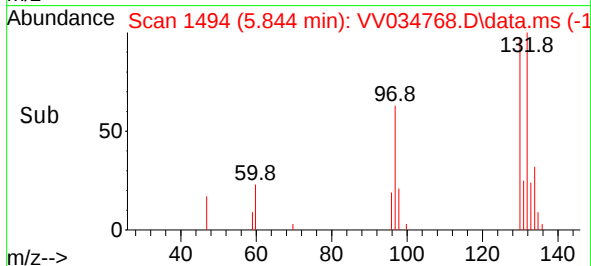
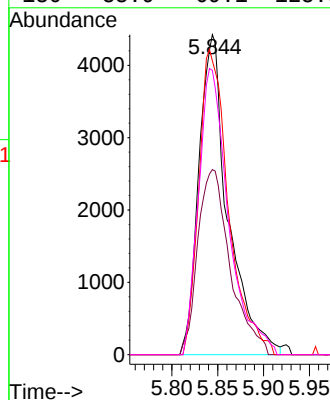
Ion Ratio Lower Upper

95 100

97 57.8 44.7 83.1

132 91.8 65.3 121.3

130 88.9 69.1 128.3



#51

Chlorobenzene

Concen: 1.073 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.007 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

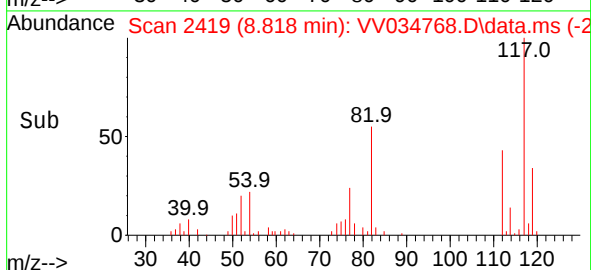
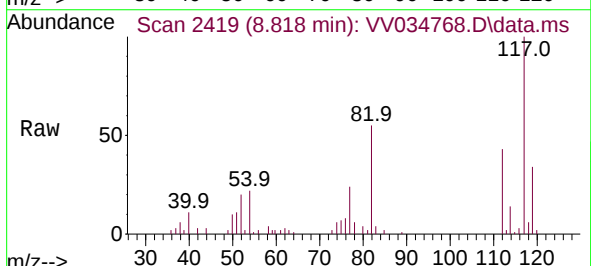
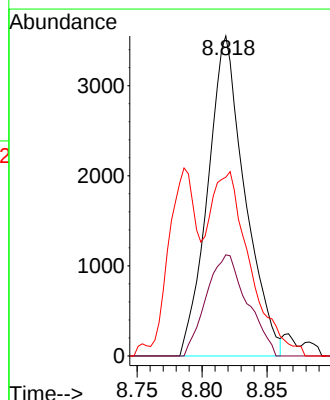
Tgt Ion: 112 Resp: 7057

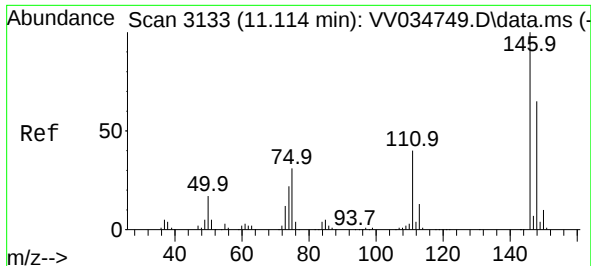
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.5

77 55.8 47.7 71.5





#64

1,3-Dichlorobenzene

Concen: 1.928 ug/L

RT: 11.124 min Scan# 3133

Delta R.T. 0.010 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA_V

ClientSampleId :

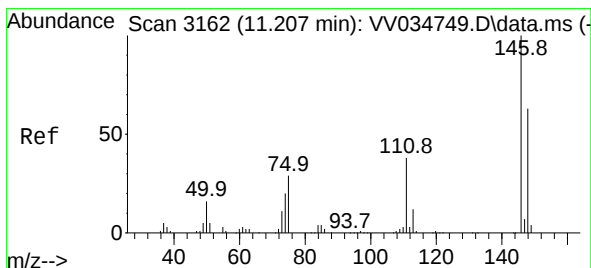
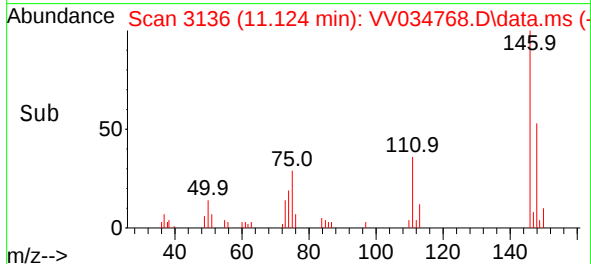
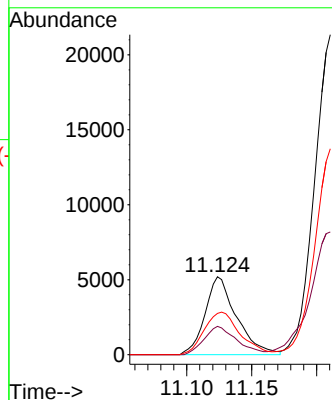
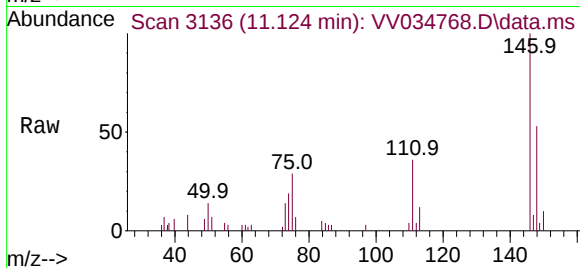
Tgt Ion:146 Resp: 8740

Ion Ratio Lower Upper

146 100

111 36.3 27.9 51.7

148 52.9 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 8.239 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

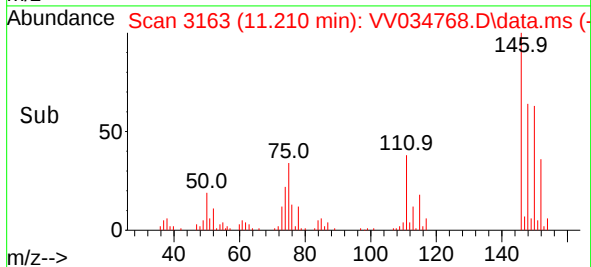
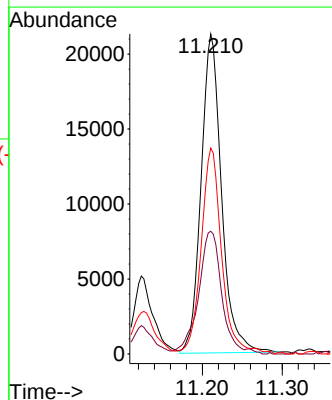
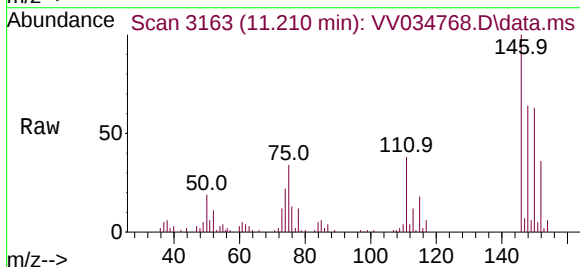
Tgt Ion:146 Resp: 37930

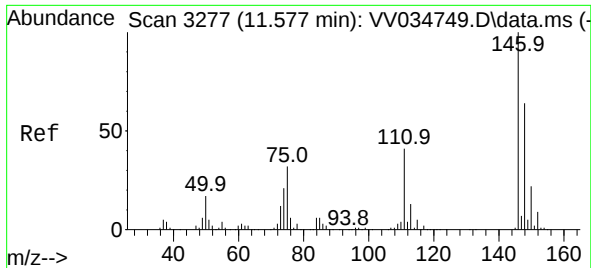
Ion Ratio Lower Upper

146 100

111 38.4 26.5 49.1

148 64.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 7.998 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA_V

ClientSampleId :

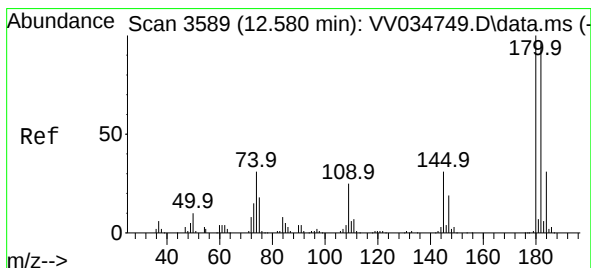
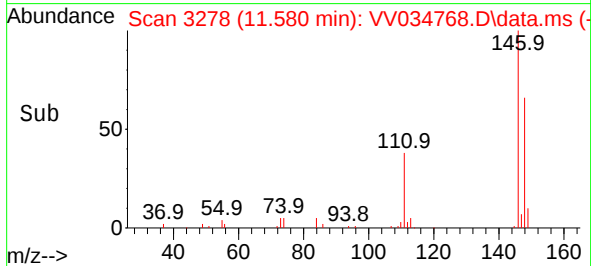
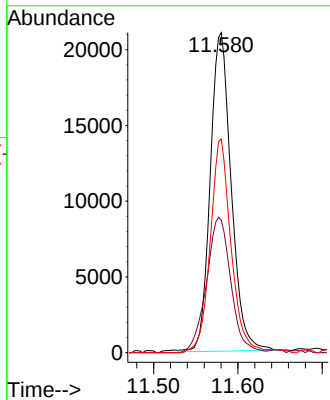
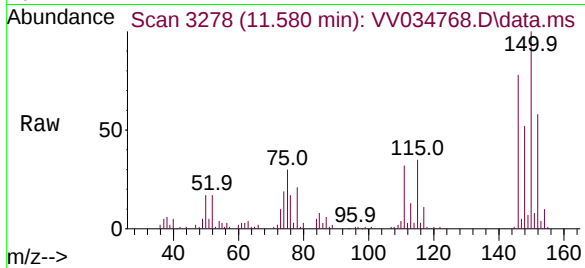
Tgt Ion:146 Resp: 36331

Ion Ratio Lower Upper

146 100

111 41.4 33.8 50.8

148 66.7 51.3 76.9



#69

1,3,5-Trichlorobenzene

Concen: 2.815 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.624 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Tgt Ion:180 Resp: 9575

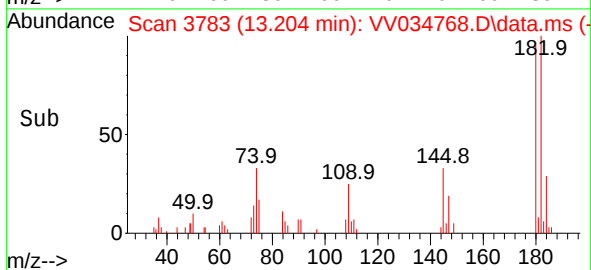
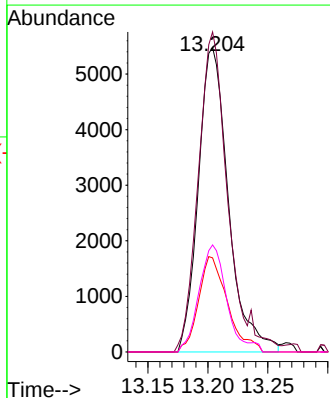
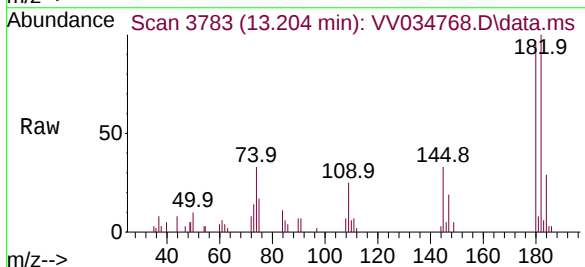
Ion Ratio Lower Upper

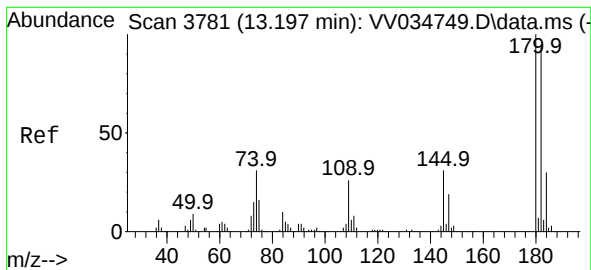
180 100

182 97.9 74.6 112.0

184 29.1 23.6 35.4

145 31.7 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 3.129 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA_V

ClientSampleId :

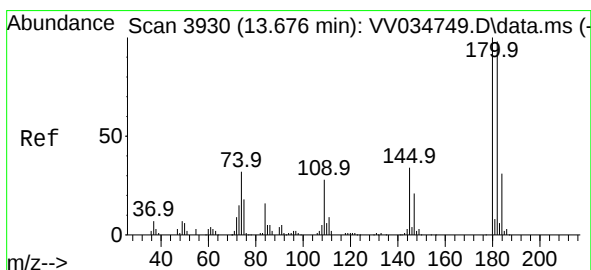
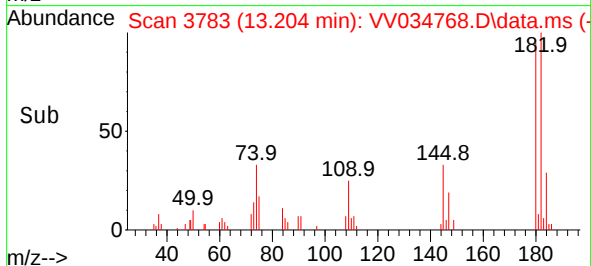
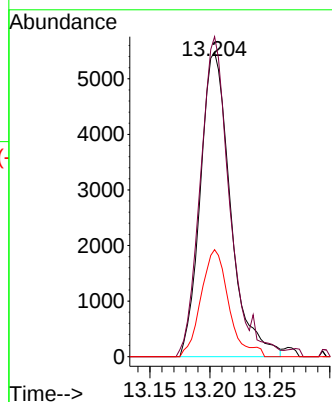
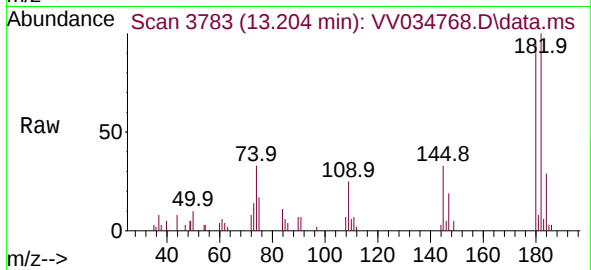
Tgt Ion:180 Resp: 9575

Ion Ratio Lower Upper

180 100

182 97.9 74.8 112.2

145 31.7 24.2 36.4



#72

1,2,3-Trichlorobenzene

Concen: 1.890 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.010 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Tgt Ion:180 Resp: 5641

Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

145 29.1 25.5 38.3

