

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033508.D
 Acq On : 20 Dec 2023 13:46
 Operator : SY/MD
 Sample : 05850-05 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 21 01:46:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 21 01:43:54 2023
 Response via : Initial Calibration

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

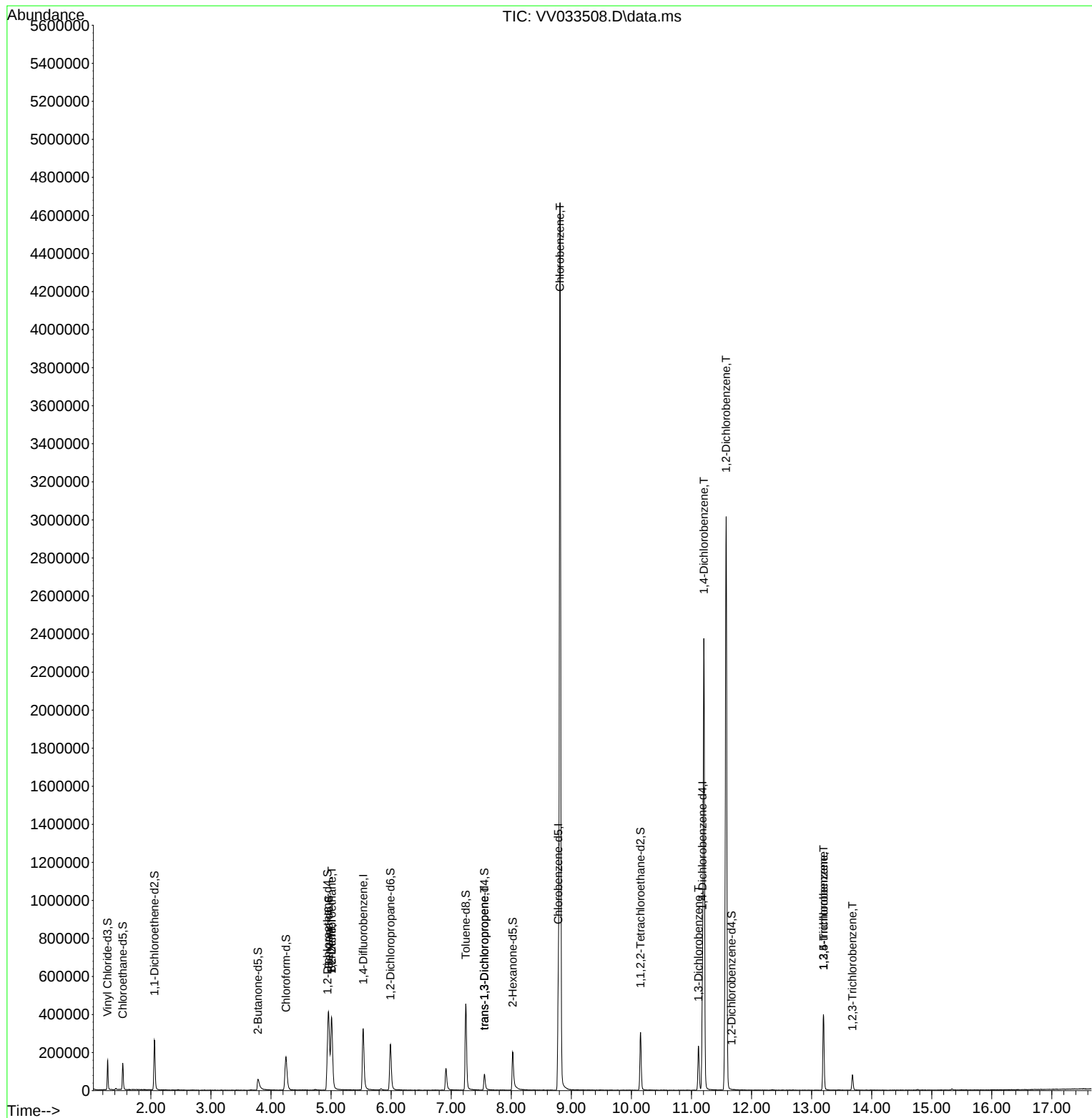
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	272705	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	286205	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	133474	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	95119	45.293	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.580%		
7) Chloroethane-d5	1.532	69	89858	47.679	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.360%		
11) 1,1-Dichloroethene-d2	2.060	65	44495	42.562	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.120%		
21) 2-Butanone-d5	3.783	46	97191	91.827	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.830%		
24) Chloroform-d	4.249	84	185409	44.632	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.260%		
26) 1,2-Dichloroethane-d4	4.941	65	120414	47.186	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.380%		
32) Benzene-d6	4.960	84	353887	45.909	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.820%		
36) 1,2-Dichloropropane-d6	5.989	67	113494	48.512	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.020%		
41) Toluene-d8	7.243	98	295959	41.960	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.920%		
43) trans-1,3-Dichloroprop...	7.555	79	48068	41.924	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.840%		
47) 2-Hexanone-d5	8.024	63	65798	83.618	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.620%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	144610	43.007	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.020%		
66) 1,2-Dichlorobenzene-d4	11.667	152	84	0.033	ug/L	0.11
Spiked Amount 50.000	Range 80 - 120		Recovery =	0.060%#		
Target Compounds						Qvalue
27) 1,2-Dichloroethane	5.011	62	2724	0.902	ug/L	# 73
33) Benzene	5.008	78	387499	50.797	ug/L	100
44) trans-1,3-Dichloropropene	7.555	75	2576	0.853	ug/L	85
51) Chlorobenzene	8.812	112	2295150	393.888	ug/L	96
64) 1,3-Dichlorobenzene	11.117	146	87473	22.205	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	836903	197.393	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	1057557	257.927	ug/L	97
69) 1,3,5-Trichlorobenzene	13.197	180	107190	39.345	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	107190	45.010	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	21804	9.360	ug/L	99

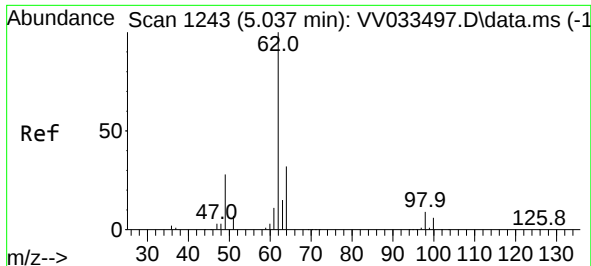
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Dec 21 01:43:54 2023
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 0.902 ug/L

RT: 5.011 min Scan# 1

Delta R.T. -0.026 min

Lab File: VV033508.D

Acq: 20 Dec 2023 13:46

Instrument :

MSVOA_V

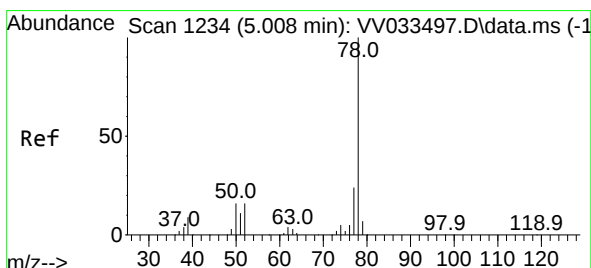
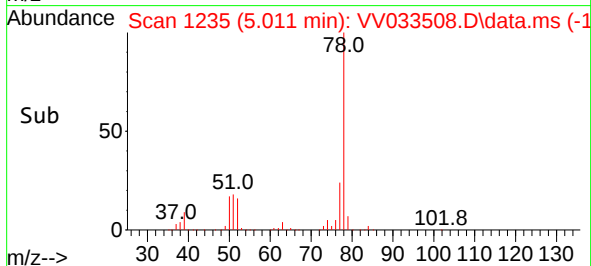
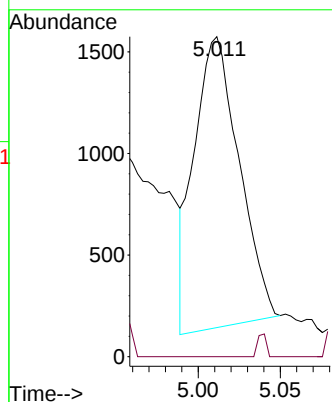
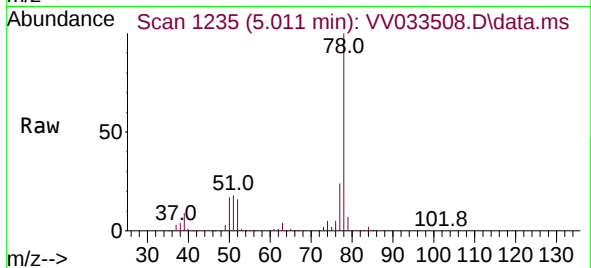
ClientSampleId :

Tgt Ion: 62 Resp: 2724

Ion Ratio Lower Upper

62 100

98 0.0 8.0 12.0#



#33

Benzene

Concen: 50.797 ug/L

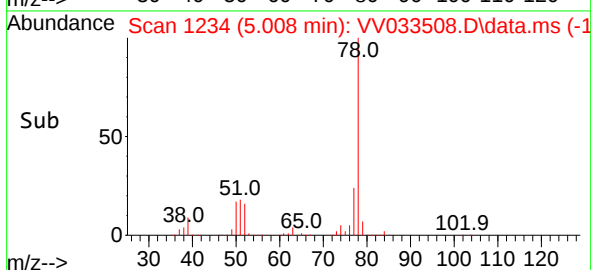
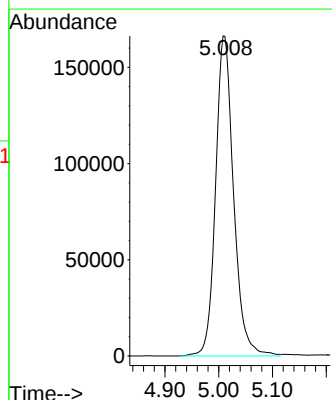
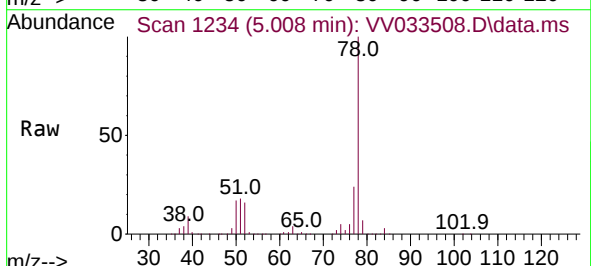
RT: 5.008 min Scan# 1234

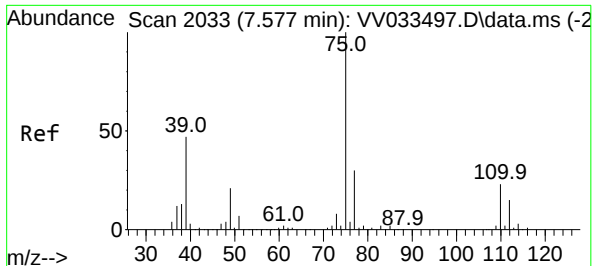
Delta R.T. 0.000 min

Lab File: VV033508.D

Acq: 20 Dec 2023 13:46

Tgt Ion: 78 Resp: 387499

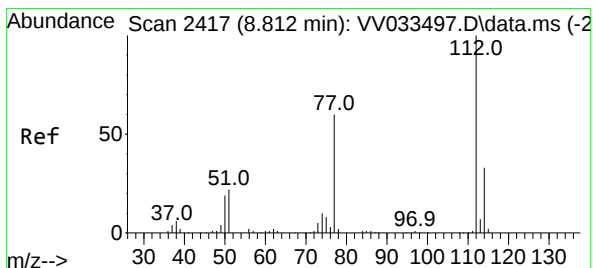
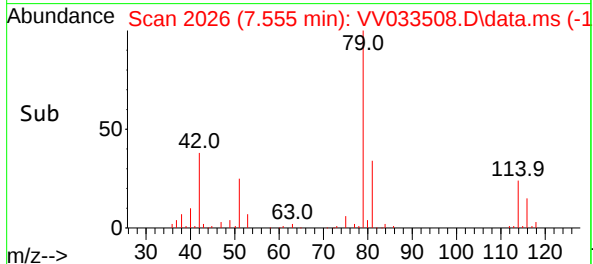
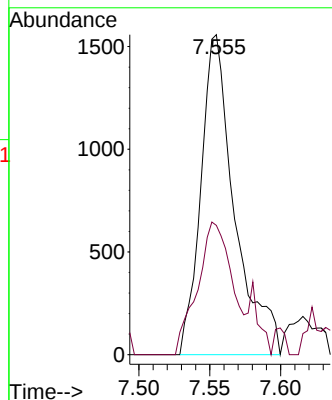
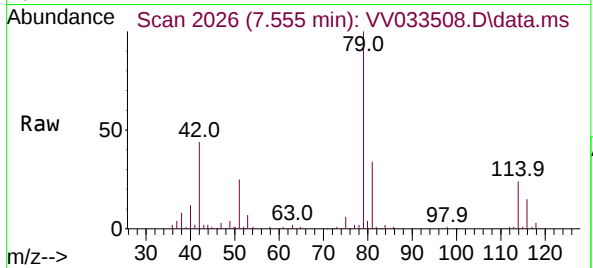




#44
trans-1,3-Dichloropropene
Concen: 0.853 ug/L
RT: 7.555 min Scan# 2033
Delta R.T. -0.022 min
Lab File: VV033508.D
Acq: 20 Dec 2023 13:46

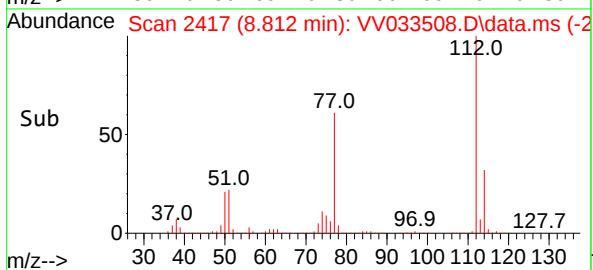
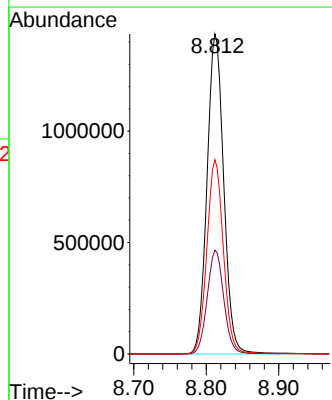
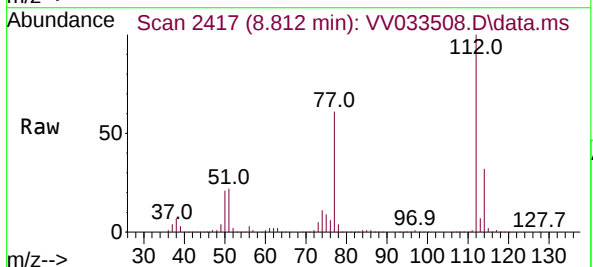
Instrument :
MSVOA_V
ClientSampleId :

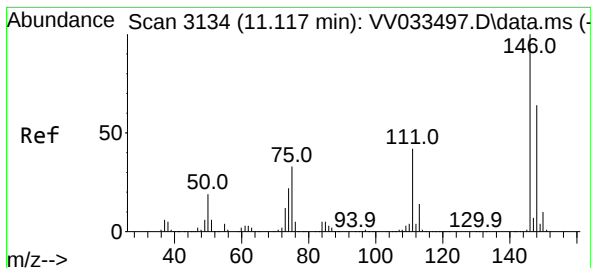
Tgt Ion: 75 Resp: 2576
Ion Ratio Lower Upper
75 100
77 40.4 22.4 41.6



#51
Chlorobenzene
Concen: 393.888 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV033508.D
Acq: 20 Dec 2023 13:46

Tgt Ion: 112 Resp: 2295150
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.7
77 60.7 45.2 67.8





#64

1,3-Dichlorobenzene

Concen: 22.205 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033508.D

Acq: 20 Dec 2023 13:46

Instrument :

MSVOA_V

ClientSampleId :

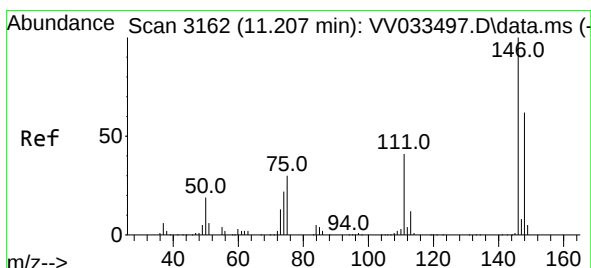
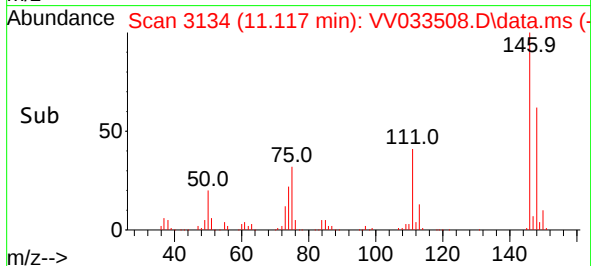
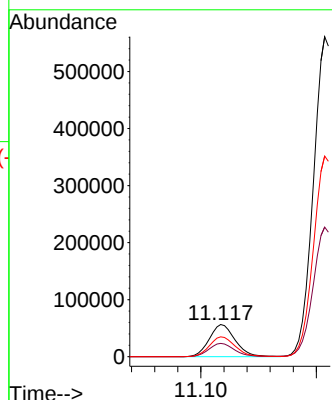
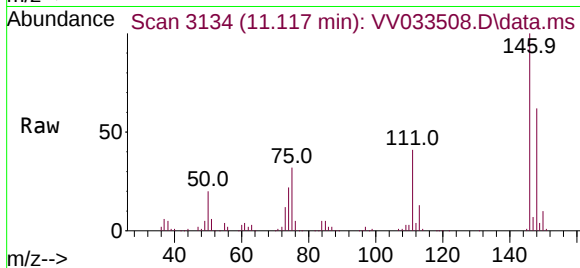
Tgt Ion:146 Resp: 87473

Ion Ratio Lower Upper

146 100

111 41.3 29.3 54.5

148 61.9 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 197.393 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV033508.D

Acq: 20 Dec 2023 13:46

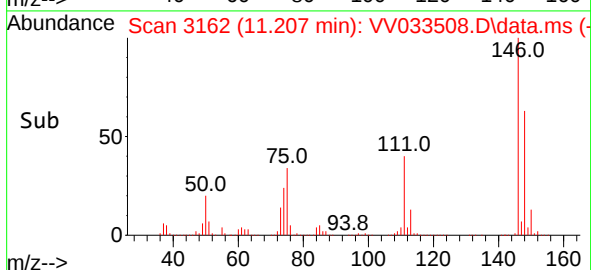
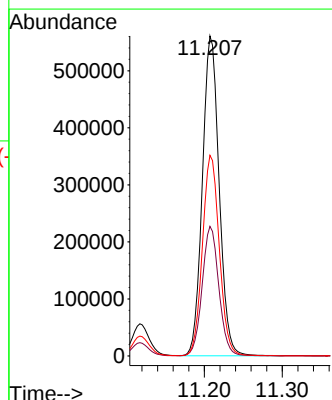
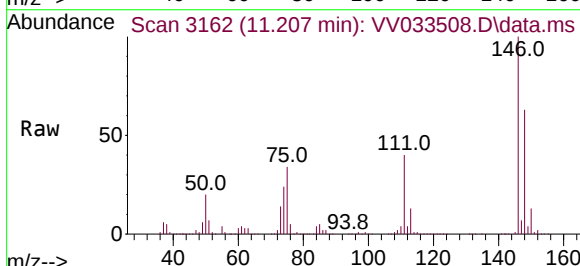
Tgt Ion:146 Resp: 836903

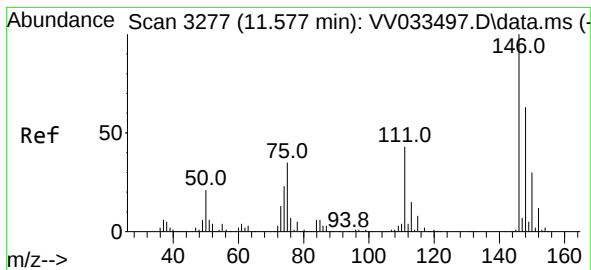
Ion Ratio Lower Upper

146 100

111 40.5 27.9 51.7

148 62.7 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 257.927 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033508.D

Acq: 20 Dec 2023 13:46

Instrument :

MSVOA_V

ClientSampleId :

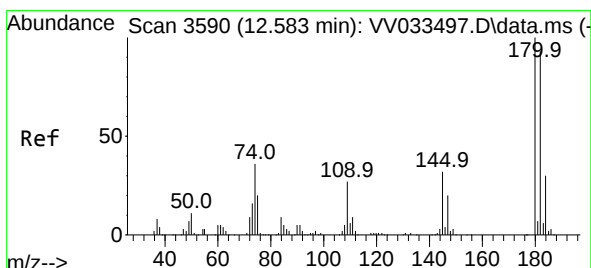
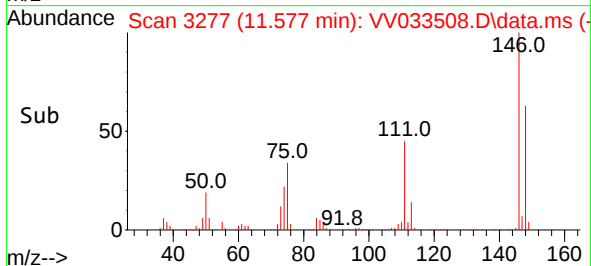
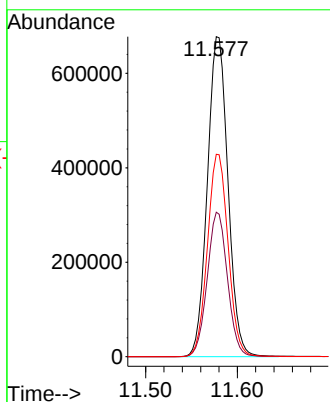
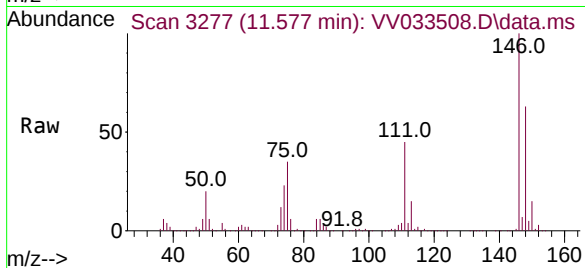
Tgt Ion:146 Resp: 1057557

Ion Ratio Lower Upper

146 100

111 45.2 33.5 50.3

148 63.3 51.1 76.7



#69

1,3,5-Trichlorobenzene

Concen: 39.345 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.614 min

Lab File: VV033508.D

Acq: 20 Dec 2023 13:46

Tgt Ion:180 Resp: 107190

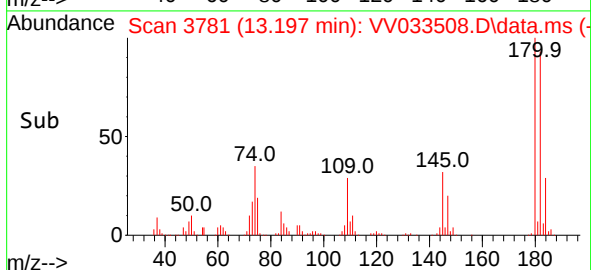
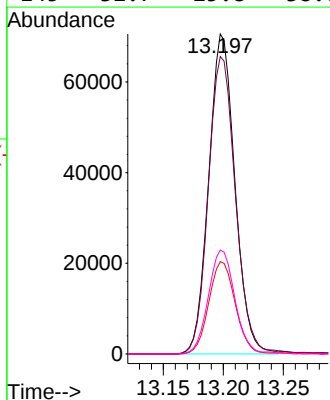
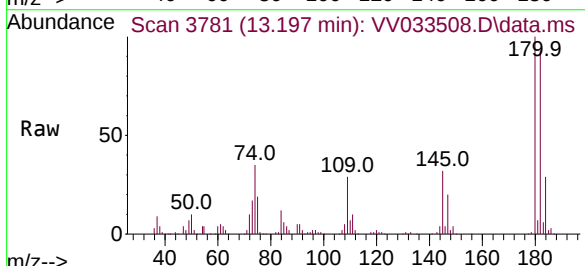
Ion Ratio Lower Upper

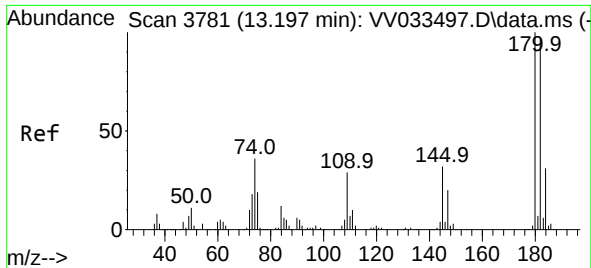
180 100

182 96.1 76.2 114.4

184 29.1 24.4 36.6

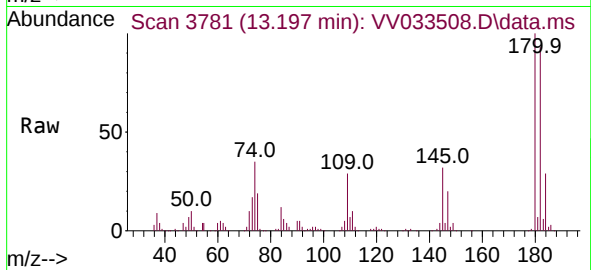
145 32.7 25.8 38.6



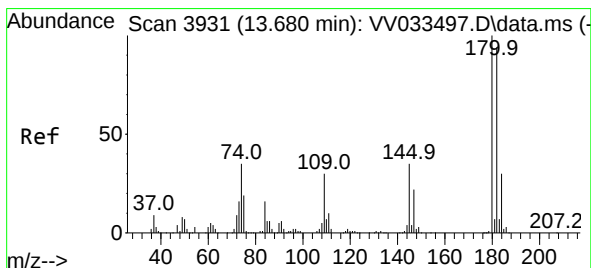
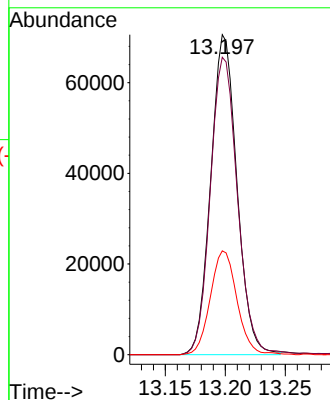
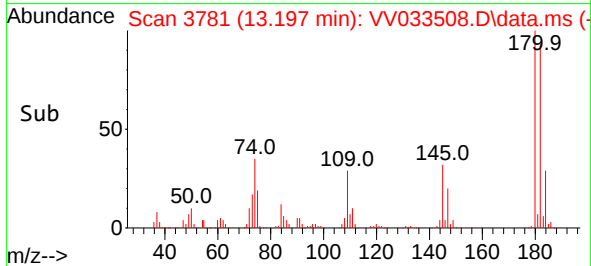


#70
 1,2,4-trichlorobenzene
 Concen: 45.010 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV033508.D
 Acq: 20 Dec 2023 13:46

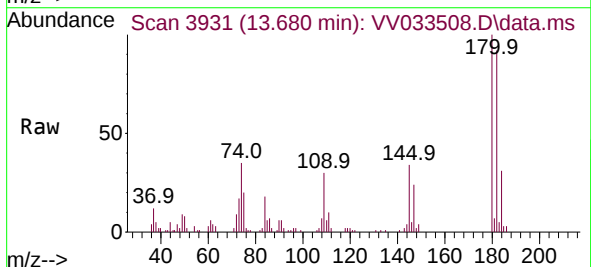
Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 107190
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 145 32.7 25.6 38.4



#72
 1,2,3-Trichlorobenzene
 Concen: 9.360 ug/L
 RT: 13.680 min Scan# 3931
 Delta R.T. 0.000 min
 Lab File: VV033508.D
 Acq: 20 Dec 2023 13:46



Tgt Ion:180 Resp: 21804
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.2 114.2
 145 34.9 27.1 40.7

