

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033522.D
 Acq On : 20 Dec 2023 19:13
 Operator : SY/MD
 Sample : 05850-05DL 500X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 21 01:50:38 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)

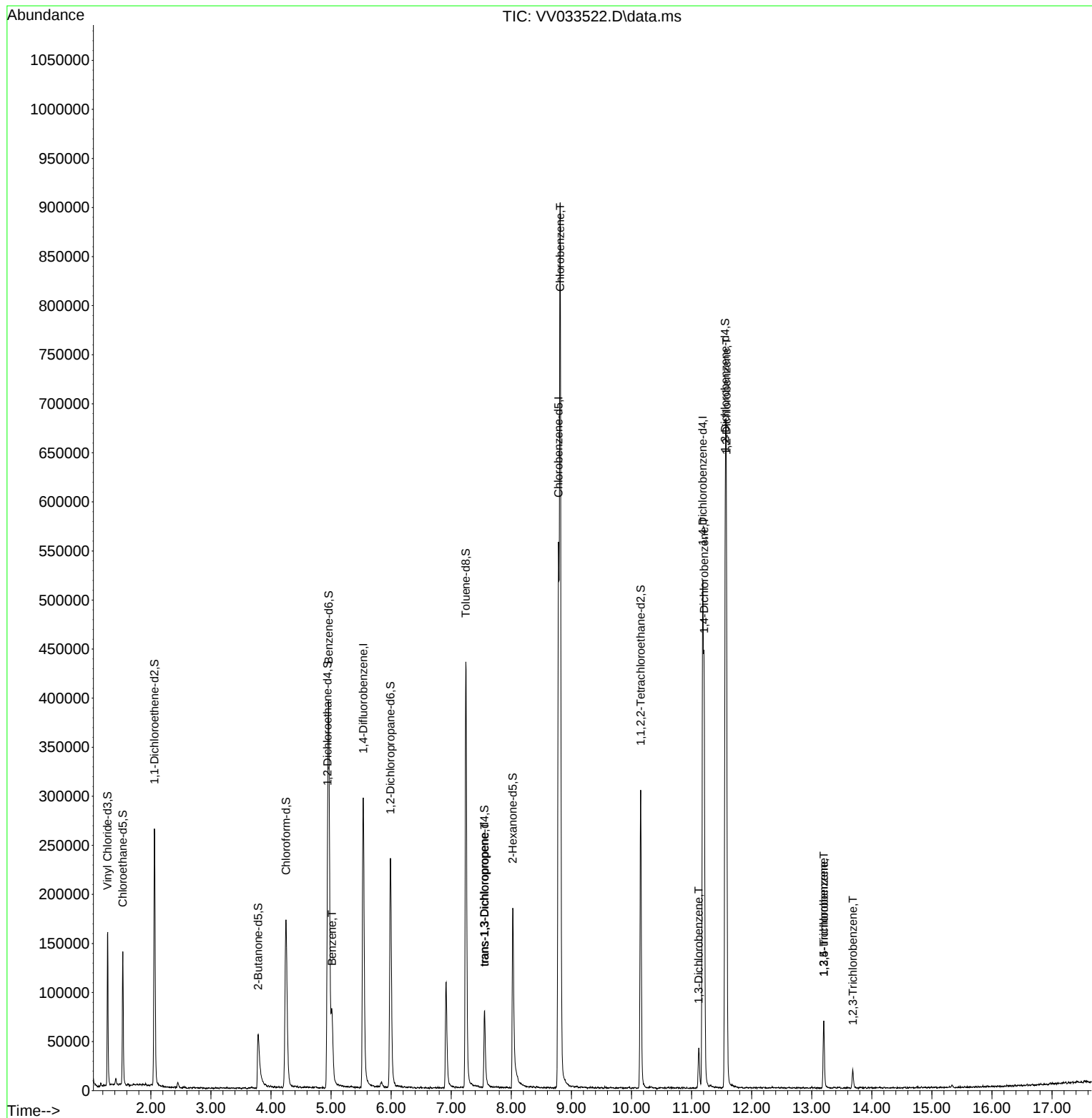
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	252606	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	267027	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	114854	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	98038	50.398	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.800%			
7) Chloroethane-d5	1.532	69	86672	49.648	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.300%			
11) 1,1-Dichloroethene-d2	2.060	65	44617	46.075	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.140%			
21) 2-Butanone-d5	3.786	46	89414	91.201	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.200%			
24) Chloroform-d	4.249	84	182112	47.327	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.660%			
26) 1,2-Dichloroethane-d4	4.941	65	118800	50.257	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.520%			
32) Benzene-d6	4.960	84	341848	47.532	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.060%			
36) 1,2-Dichloropropane-d6	5.989	67	110303	50.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.060%			
41) Toluene-d8	7.243	98	281450	42.769	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.540%			
43) trans-1,3-Dichloroprop...	7.551	79	44448	41.551	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.100%			
47) 2-Hexanone-d5	8.024	63	58460	79.629	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 79.630%			
56) 1,1,2,2-Tetrachloroeth...	10.153	84	141329	45.050	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.100%			
66) 1,2-Dichlorobenzene-d4	11.561	152	112893	52.307	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.620%			
Target Compounds					Qvalue	
33) Benzene	5.014	78	77507	10.890	ug/L	100
44) trans-1,3-Dichloropropene	7.555	75	2294	0.814	ug/L	87
51) Chlorobenzene	8.812	112	445466	81.940	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	15750	4.646	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	147788	40.509	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	203235	57.603	ug/L	98
69) 1,3,5-Trichlorobenzene	13.201	180	18609	7.938	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	18609	9.081	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	4291	2.141	ug/L	95

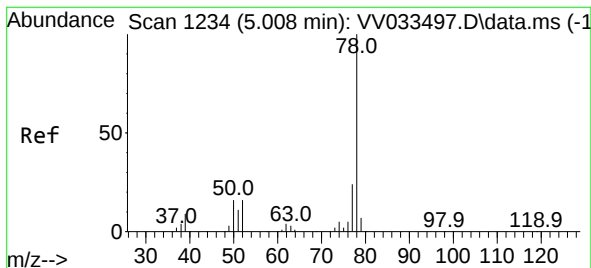
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#33

Benzene

Concen: 10.890 ug/L

RT: 5.014 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV033522.D

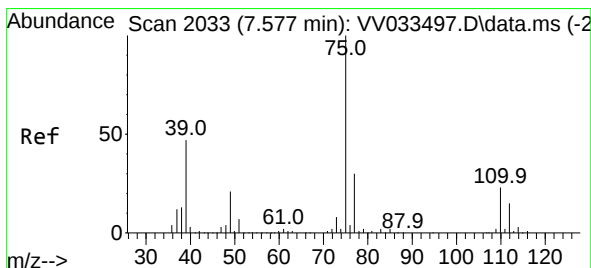
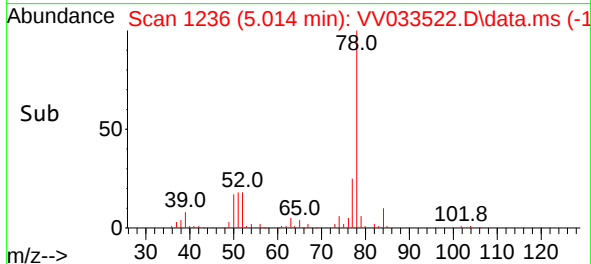
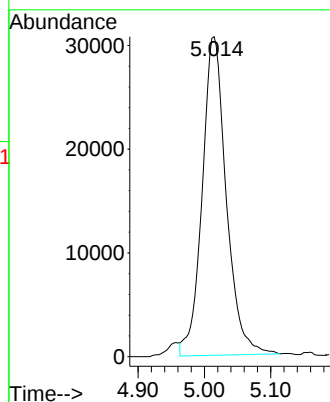
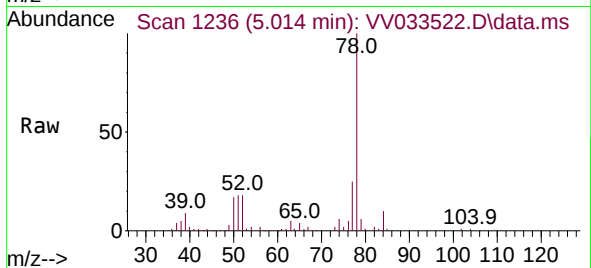
Acq: 20 Dec 2023 19:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 77507



#44

trans-1,3-Dichloropropene

Concen: 0.814 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.023 min

Lab File: VV033522.D

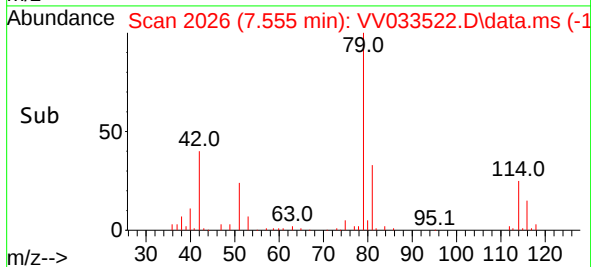
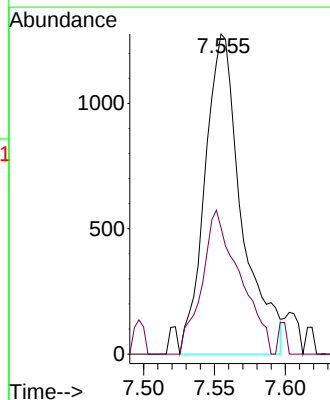
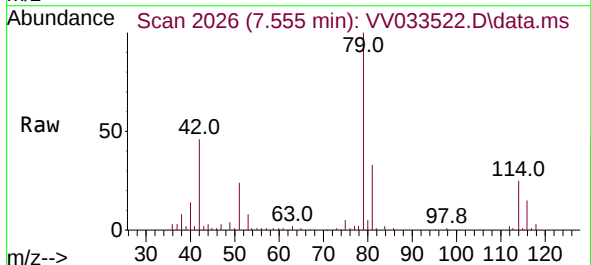
Acq: 20 Dec 2023 19:13

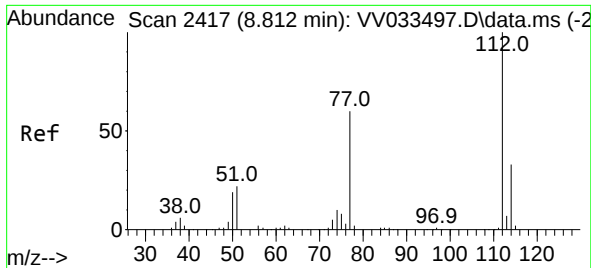
Tgt Ion: 75 Resp: 2294

Ion Ratio Lower Upper

75 100

77 39.5 22.4 41.6

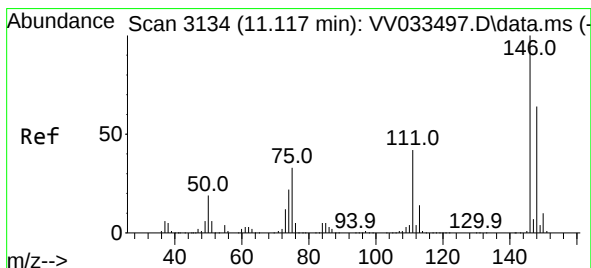
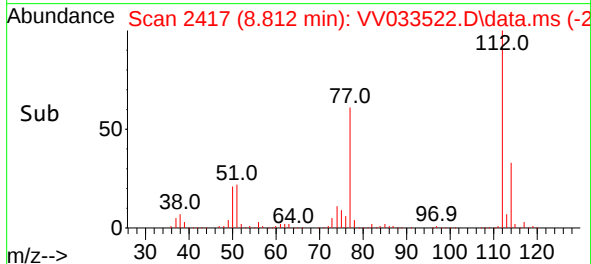
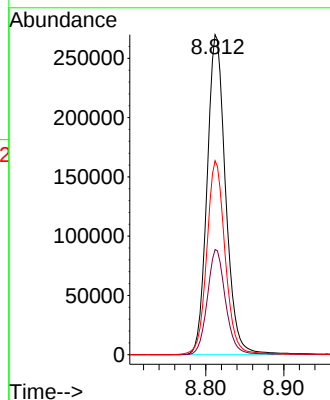
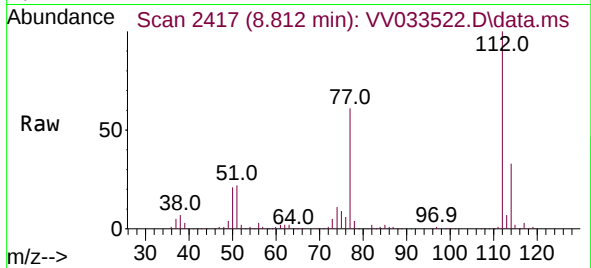




#51
Chlorobenzene
Concen: 81.940 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV033522.D
Acq: 20 Dec 2023 19:13

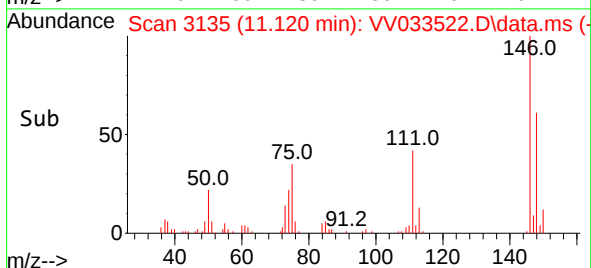
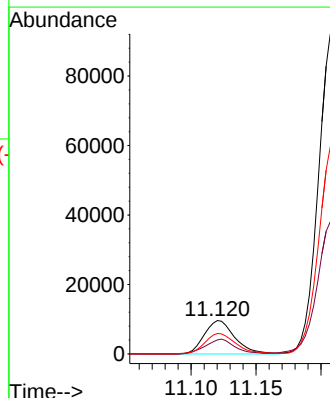
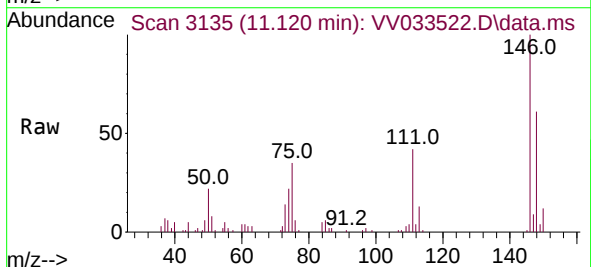
Instrument :
MSVOA_V
ClientSampleId :

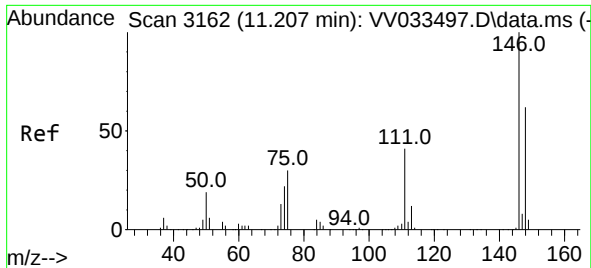
Tgt Ion:112 Resp: 445466
Ion Ratio Lower Upper
112 100
114 32.9 22.5 41.7
77 60.6 45.2 67.8



#64
1,3-Dichlorobenzene
Concen: 4.646 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV033522.D
Acq: 20 Dec 2023 19:13

Tgt Ion:146 Resp: 15750
Ion Ratio Lower Upper
146 100
111 42.3 29.3 54.5
148 61.2 45.4 84.4

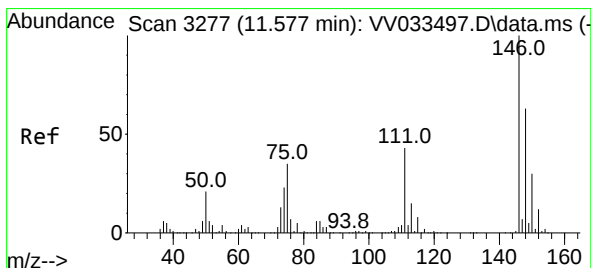
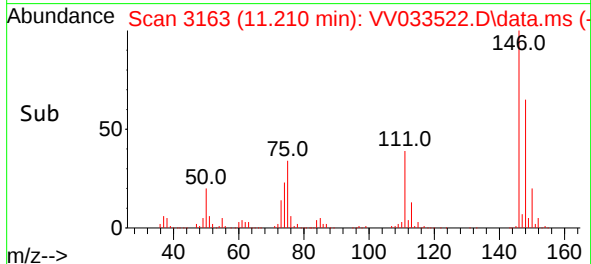
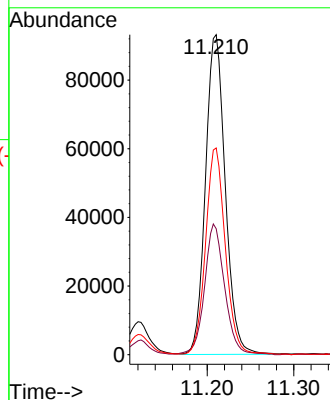
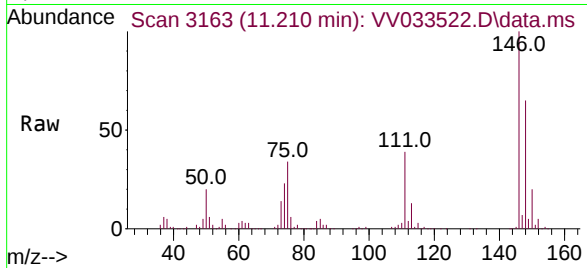




#65
1,4-Dichlorobenzene
Concen: 40.509 ug/L
RT: 11.210 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV033522.D
Acq: 20 Dec 2023 19:13

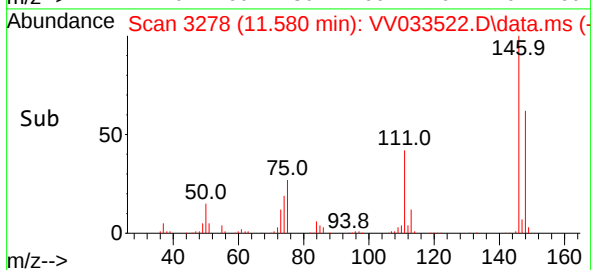
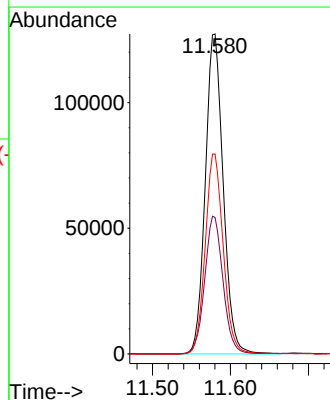
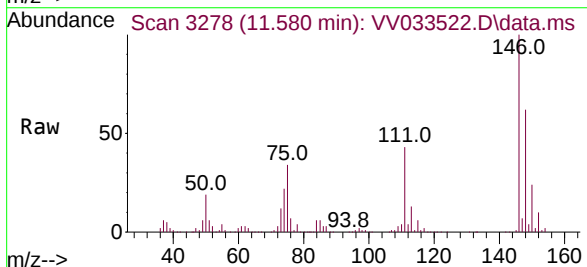
Instrument :
MSVOA_V
ClientSampleId :

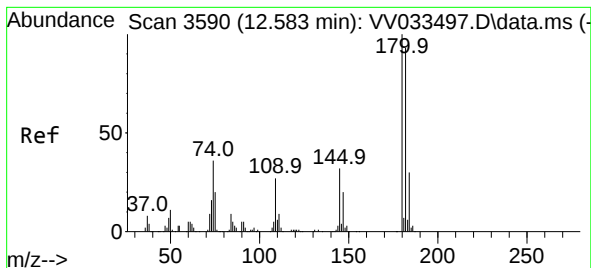
Tgt Ion:146 Resp: 147788
Ion Ratio Lower Upper
146 100
111 39.4 27.9 51.7
148 64.6 45.5 84.5



#67
1,2-Dichlorobenzene
Concen: 57.603 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV033522.D
Acq: 20 Dec 2023 19:13

Tgt Ion:146 Resp: 203235
Ion Ratio Lower Upper
146 100
111 42.7 33.5 50.3
148 62.5 51.1 76.7





#69

1,3,5-Trichlorobenzene

Concen: 7.938 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.617 min

Lab File: VV033522.D

Acq: 20 Dec 2023 19:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 18609

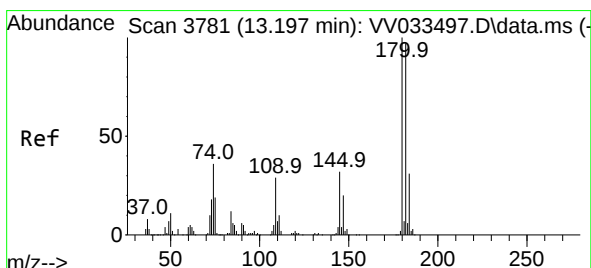
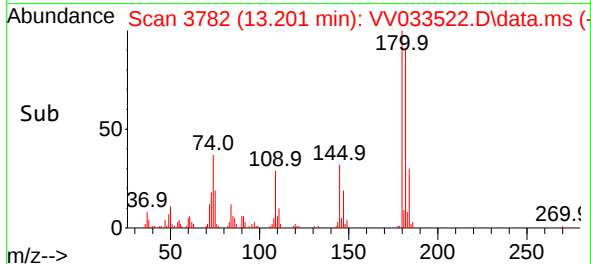
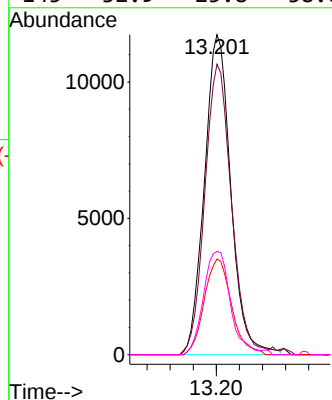
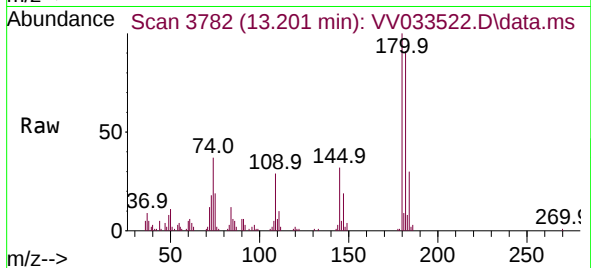
Ion Ratio Lower Upper

180 100

182 91.6 76.2 114.4

184 30.7 24.4 36.6

145 32.9 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 9.081 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033522.D

Acq: 20 Dec 2023 19:13

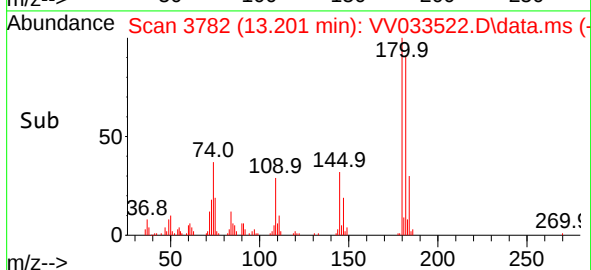
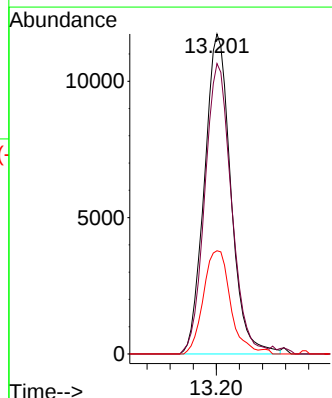
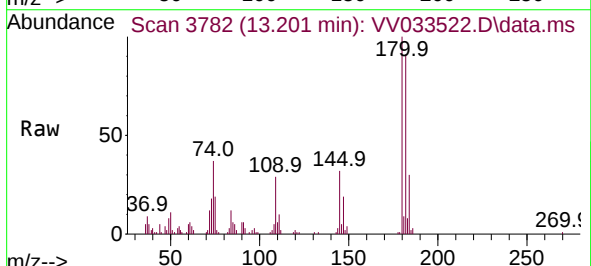
Tgt Ion:180 Resp: 18609

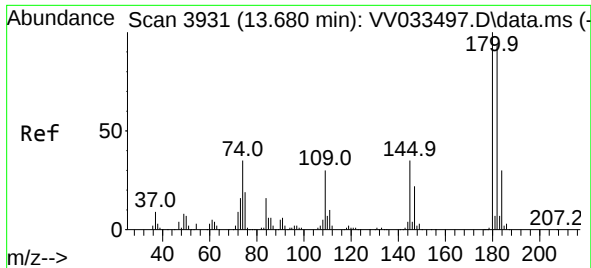
Ion Ratio Lower Upper

180 100

182 91.6 76.1 114.1

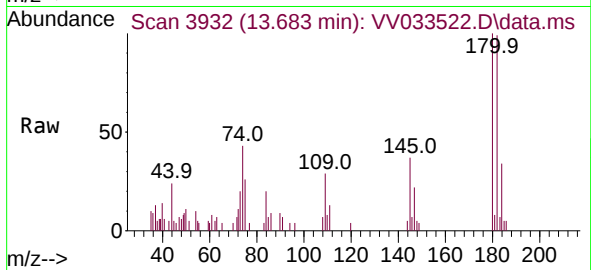
145 32.9 25.6 38.4





#72
 1,2,3-Trichlorobenzene
 Concen: 2.141 ug/L
 RT: 13.683 min Scan# 3932
 Delta R.T. 0.003 min
 Lab File: VV033522.D
 Acq: 20 Dec 2023 19:13

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	4291
Ion Ratio	Lower	Upper	
180	100		
182	100.2	76.2	114.2
145	36.7	27.1	40.7

