

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042324\
 Data File : VV035354.D
 Acq On : 23 Apr 2024 12:28
 Operator : SY/MD
 Sample : P2157-05DL 4X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 23:28:30 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)

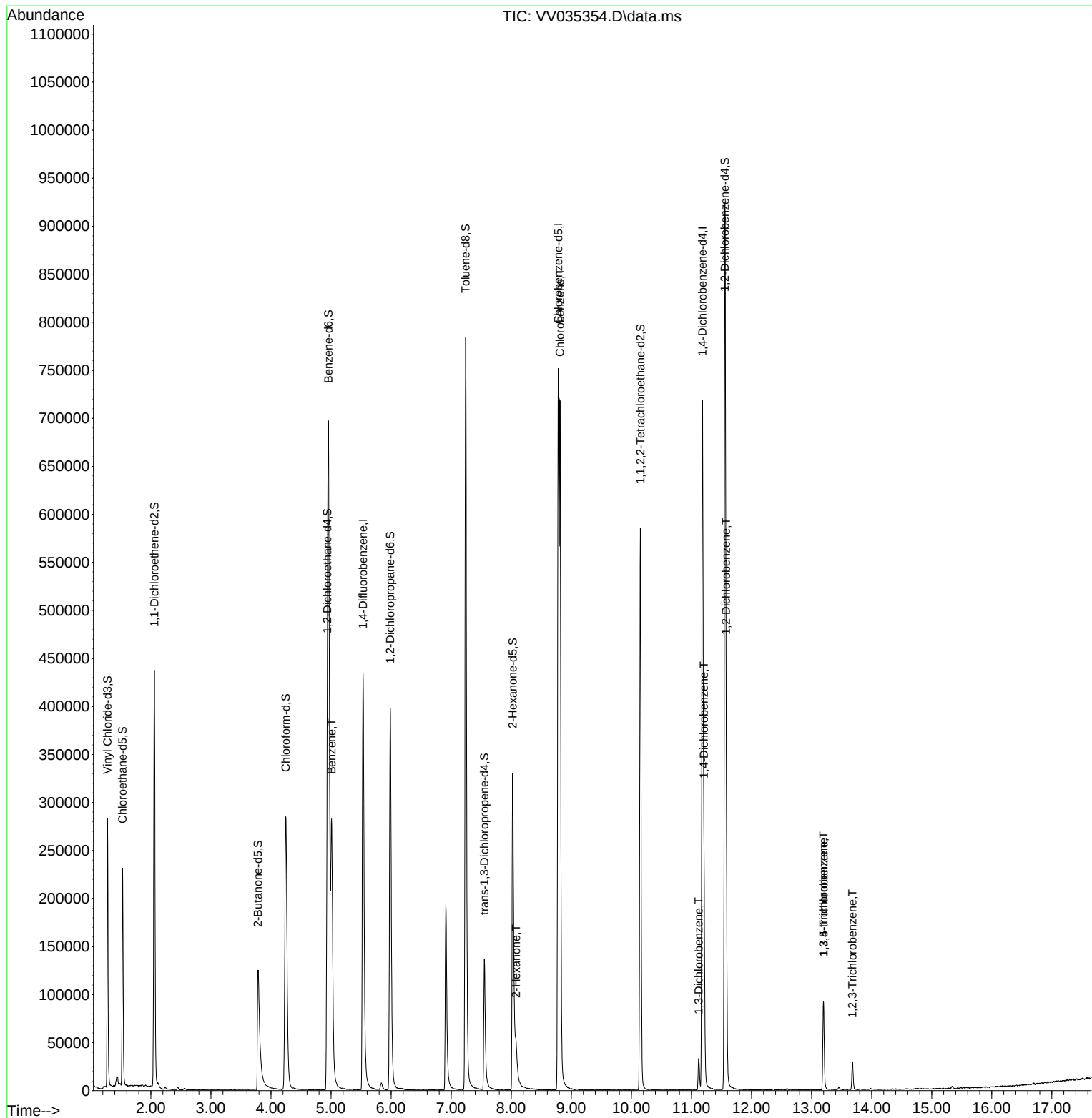
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	395103	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	398741	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	187464	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	183864	48.186	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.380%		
7) Chloroethane-d5	1.529	69	147701	44.566	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.140%		
11) 1,1-Dichloroethene-d2	2.060	65	76050	45.467	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.940%		
21) 2-Butanone-d5	3.783	46	201096	88.862	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.860%		
24) Chloroform-d	4.246	84	318473	49.642	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.280%		
26) 1,2-Dichloroethane-d4	4.937	65	201424	49.452	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.900%		
32) Benzene-d6	4.957	84	636619	47.531	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.060%		
36) 1,2-Dichloropropane-d6	5.985	67	207176	48.710	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.420%		
41) Toluene-d8	7.239	98	549633	45.566	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.140%		
43) trans-1,3-Dichloroprop...	7.551	79	85685	41.440	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.880%		
47) 2-Hexanone-d5	8.024	63	114645	71.294	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	71.290%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	286033	48.836	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.680%		
66) 1,2-Dichlorobenzene-d4	11.558	152	226937	53.917	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.840%		
Target Compounds					Qvalue	
33) Benzene	5.008	78	307072	23.617	ug/L	100
48) 2-Hexanone	8.082	43	25064	6.424	ug/L #	97
51) Chlorobenzene	8.812	112	392287	44.464	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14236	2.254	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	98523	15.340	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	118892	18.897	ug/L	99
69) 1,3,5-Trichlorobenzene	13.197	180	32113	7.055	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	32113	7.681	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	9511	2.308	ug/L	95

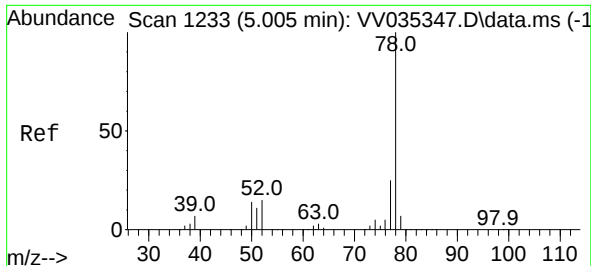
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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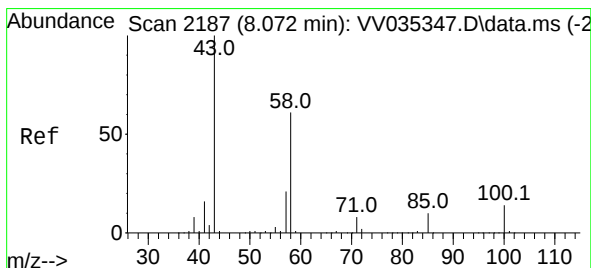
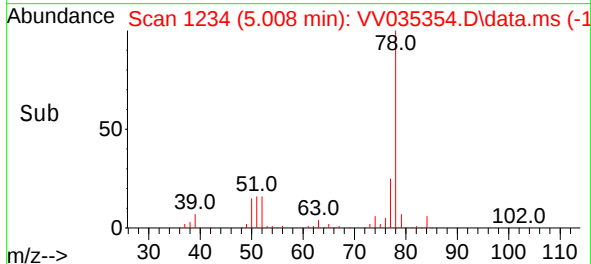
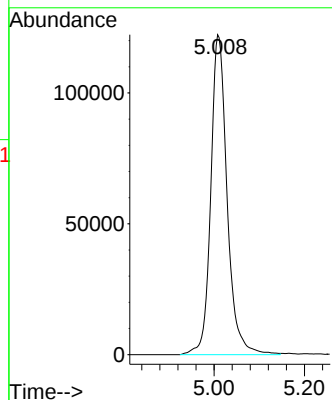
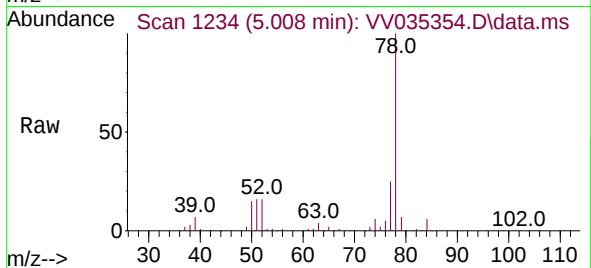




#33
Benzene
Concen: 23.617 ug/L
RT: 5.008 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035354.D
Acq: 23 Apr 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :

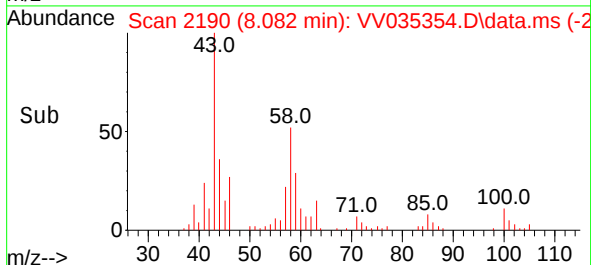
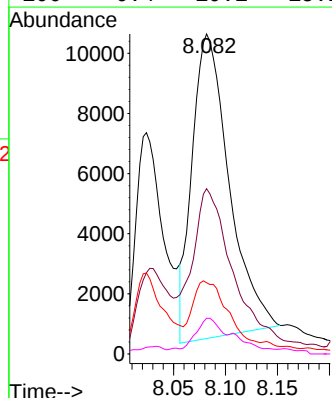
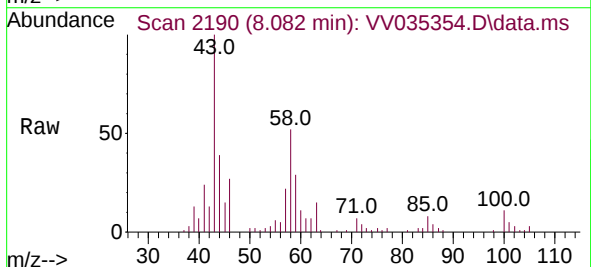
Tgt Ion: 78 Resp: 307072

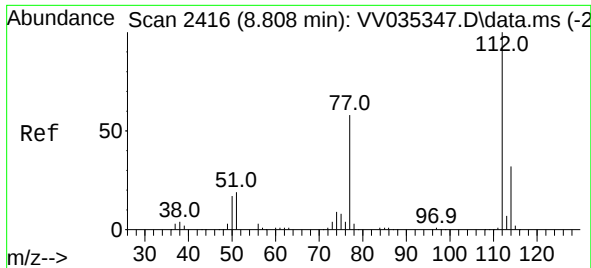


#48
2-Hexanone
Concen: 6.424 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.010 min
Lab File: VV035354.D
Acq: 23 Apr 2024 12:28

Tgt Ion: 43 Resp: 25064

Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.4	68.2
57	19.8	16.2	24.4
100	6.4	10.1	15.1

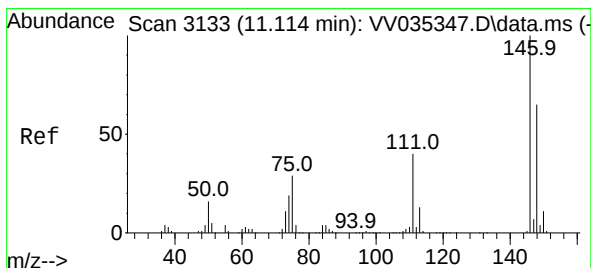
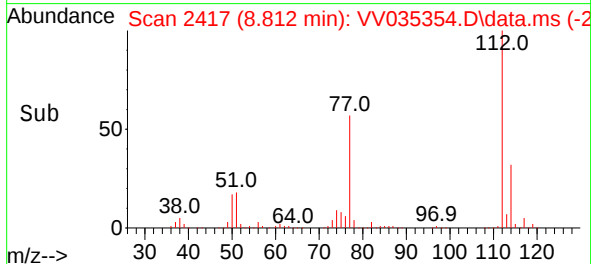
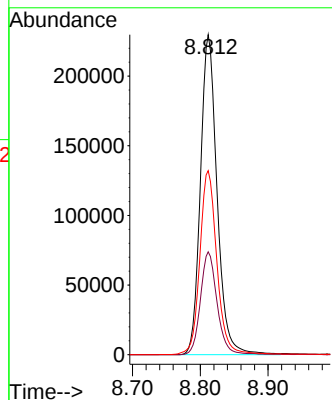
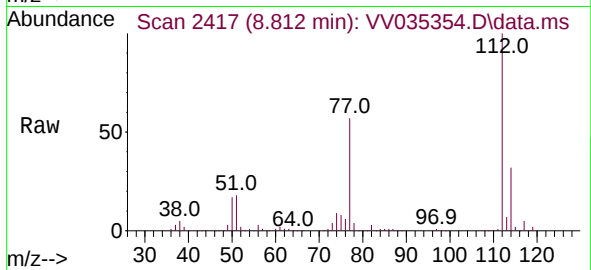




#51
Chlorobenzene
Concen: 44.464 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV035354.D
Acq: 23 Apr 2024 12:28

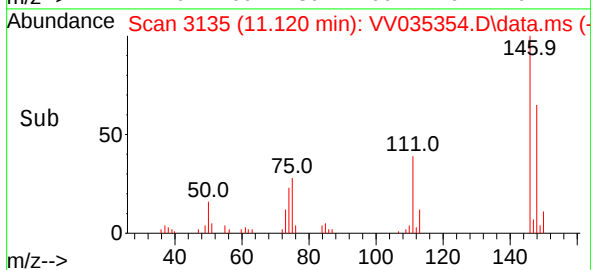
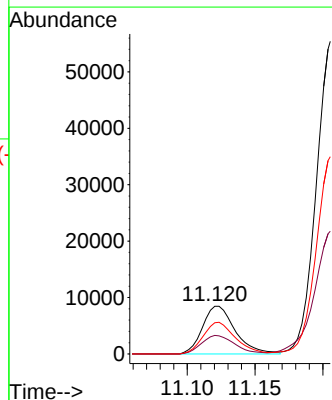
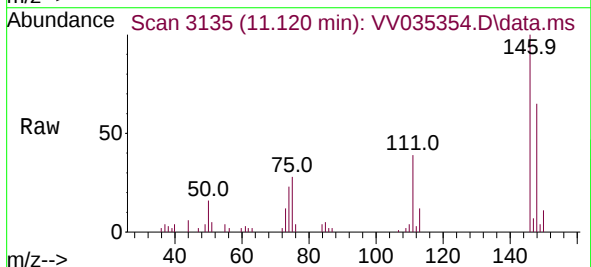
Instrument :
MSVOA_V
ClientSampleId :

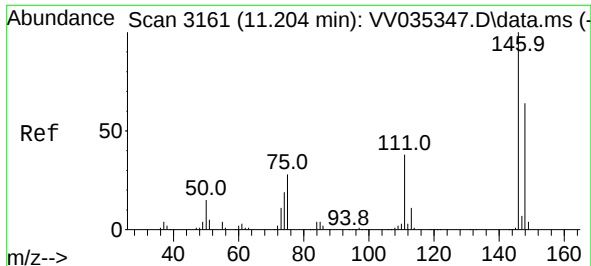
Tgt Ion:112 Resp: 392287
Ion Ratio Lower Upper
112 100
114 32.1 22.0 41.0
77 57.5 47.4 71.2



#64
1,3-Dichlorobenzene
Concen: 2.254 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.006 min
Lab File: VV035354.D
Acq: 23 Apr 2024 12:28

Tgt Ion:146 Resp: 14236
Ion Ratio Lower Upper
146 100
111 38.7 28.7 53.3
148 65.2 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 15.340 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035354.D

Acq: 23 Apr 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

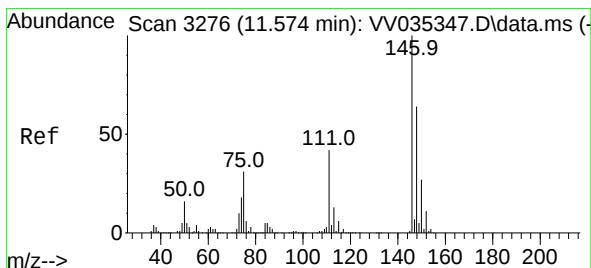
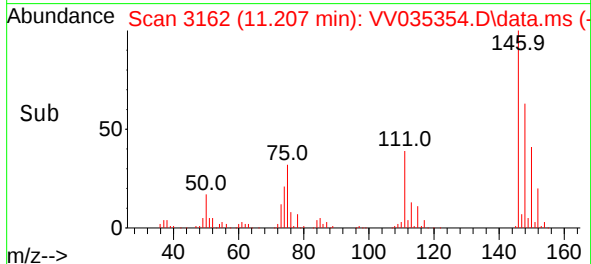
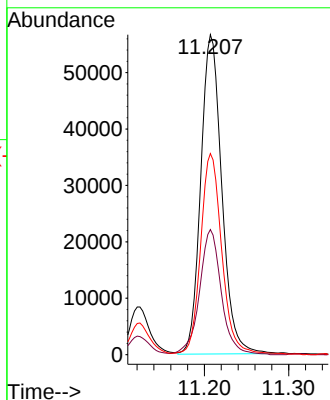
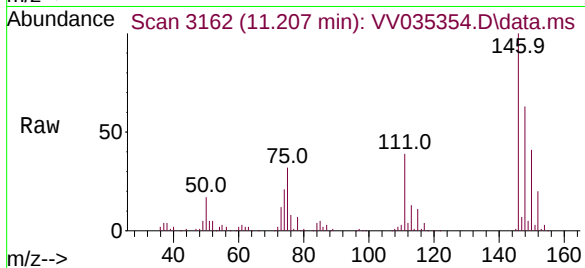
Tgt Ion:146 Resp: 98523

Ion Ratio Lower Upper

146 100

111 39.1 27.4 50.8

148 62.9 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 18.897 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035354.D

Acq: 23 Apr 2024 12:28

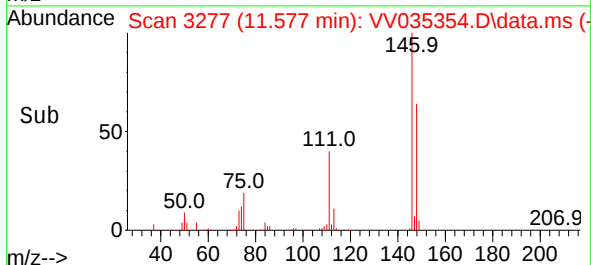
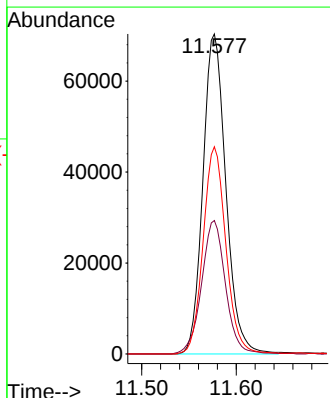
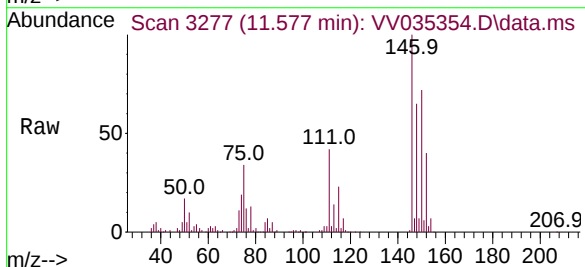
Tgt Ion:146 Resp: 118892

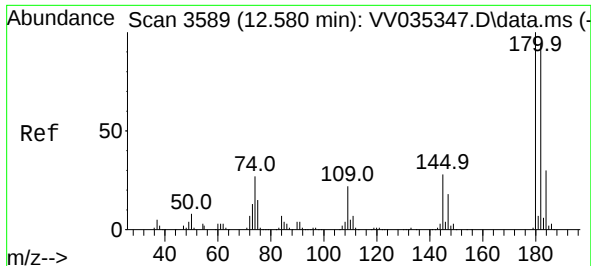
Ion Ratio Lower Upper

146 100

111 41.7 34.6 52.0

148 64.8 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 7.055 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.617 min

Lab File: VV035354.D

Acq: 23 Apr 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 32113

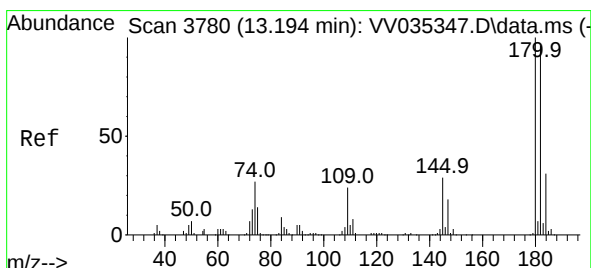
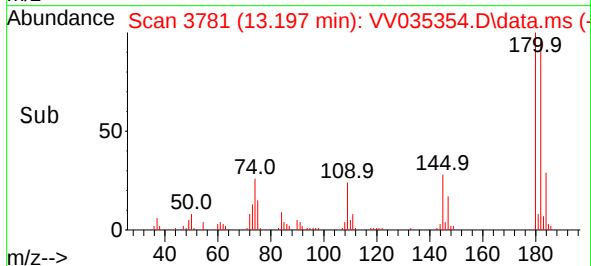
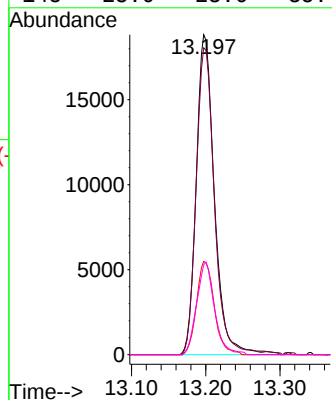
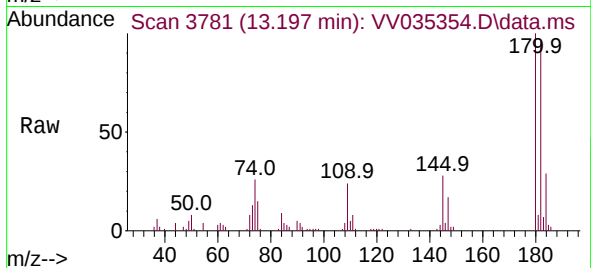
Ion Ratio Lower Upper

180 100

182 94.9 74.7 112.1

184 28.5 24.0 36.0

145 28.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 7.681 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035354.D

Acq: 23 Apr 2024 12:28

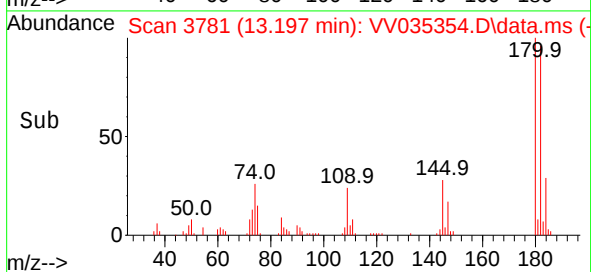
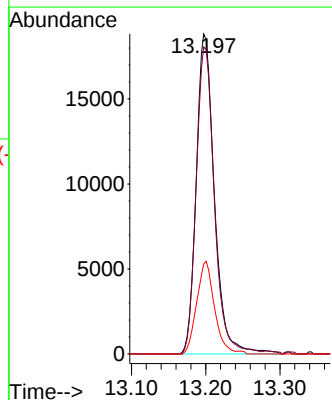
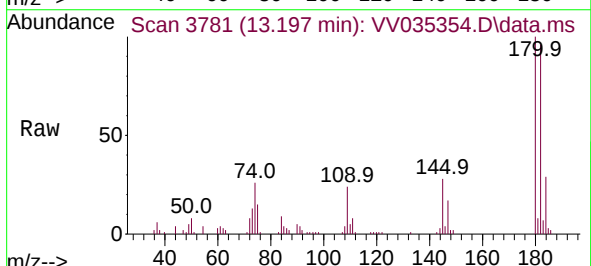
Tgt Ion:180 Resp: 32113

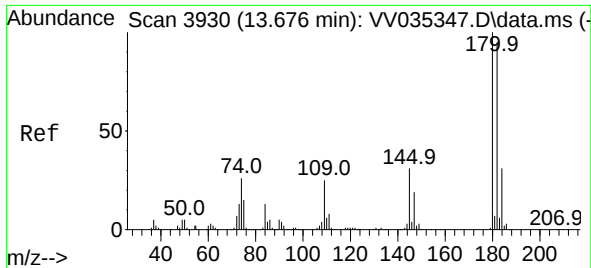
Ion Ratio Lower Upper

180 100

182 94.9 75.6 113.4

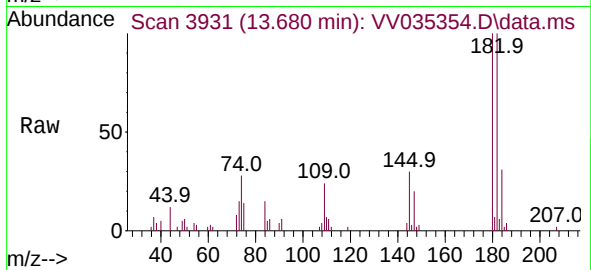
145 28.0 24.1 36.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.308 ug/L
 RT: 13.680 min Scan# 3931
 Delta R.T. 0.003 min
 Lab File: VV035354.D
 Acq: 23 Apr 2024 12:28

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	9511
Ion Ratio	Lower	Upper	
180	100		
182	99.7	76.2	114.2
145	29.8	25.8	38.6

