

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV035032.D
 Acq On : 06 Apr 2024 02:38
 Operator : SY/MD
 Sample : P2009-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0LZ6

Quant Time: Apr 06 04:07:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

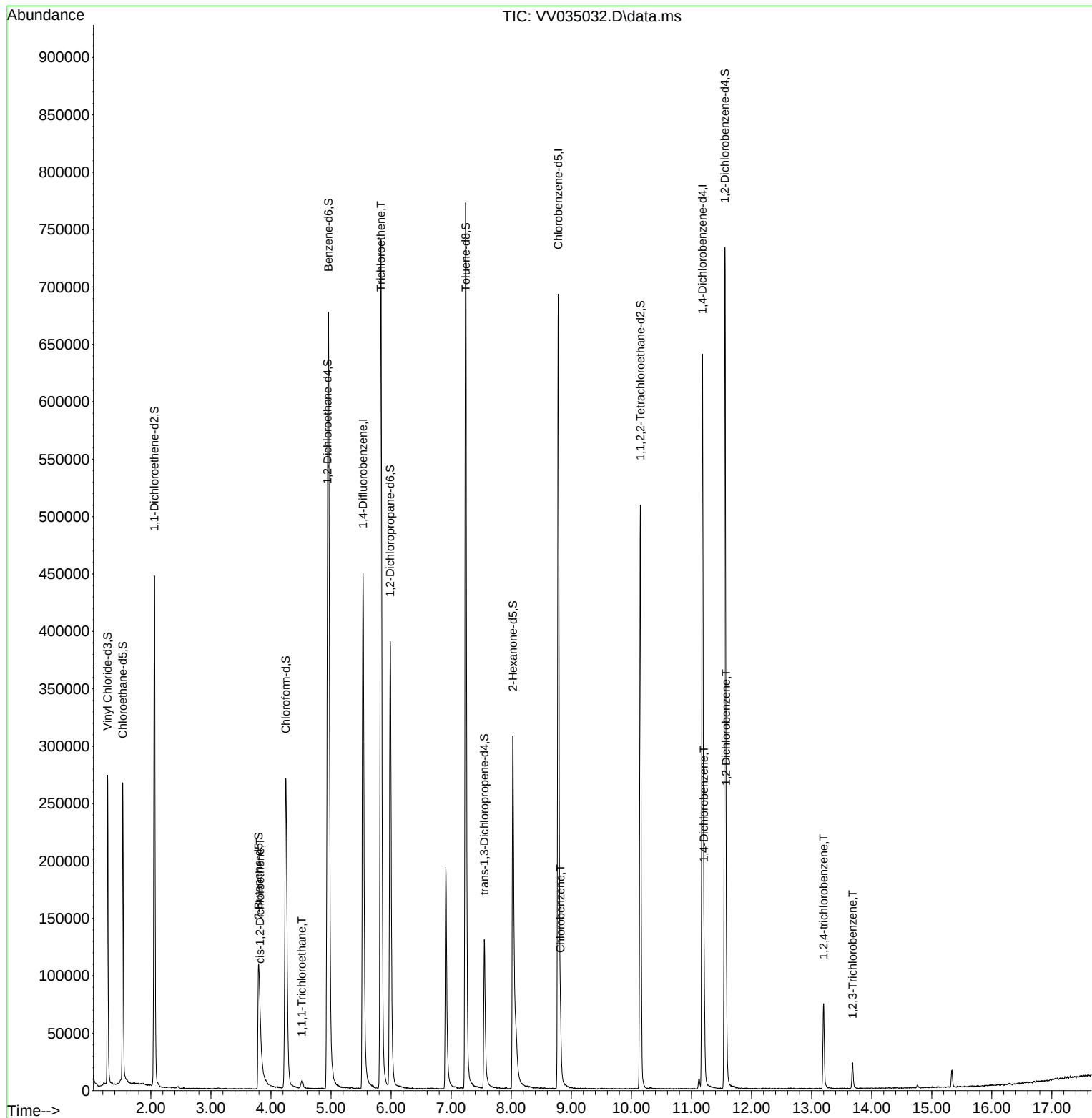
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	398300	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	369268	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	161347	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	178941	46.519	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.040%		
7) Chloroethane-d5	1.532	69	161942	48.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.940%		
11) 1,1-Dichloroethene-d2	2.060	65	77564	46.000	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.000%		
21) 2-Butanone-d5	3.793	46	196182	85.994	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.990%		
24) Chloroform-d	4.246	84	293098	45.320	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.640%		
26) 1,2-Dichloroethane-d4	4.941	65	192045	46.771	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.540%		
32) Benzene-d6	4.957	84	611921	49.333	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.660%		
36) 1,2-Dichloropropane-d6	5.986	67	198164	50.310	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.620%		
41) Toluene-d8	7.243	98	530532	47.493	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.980%		
43) trans-1,3-Dichloroprop...	7.551	79	82624	43.149	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.300%		
47) 2-Hexanone-d5	8.027	63	103124	69.247	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	69.250%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	246931	45.525	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.040%		
66) 1,2-Dichlorobenzene-d4	11.558	152	183994	50.791	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.580%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	3.818	96	5662	1.725	ug/L	94
30) 1,1,1-Trichloroethane	4.513	97	5880	1.222	ug/L	99
34) Trichloroethene	5.831	95	266351	81.963	ug/L	99
51) Chlorobenzene	8.818	112	35880	4.391	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	40346	7.299	ug/L	95
67) 1,2-Dichlorobenzene	11.577	146	31329	5.786	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	23758	6.602	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	6846	1.930	ug/L	93

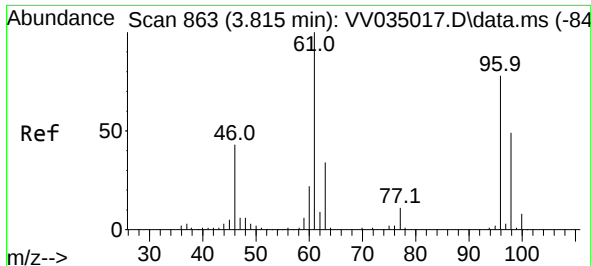
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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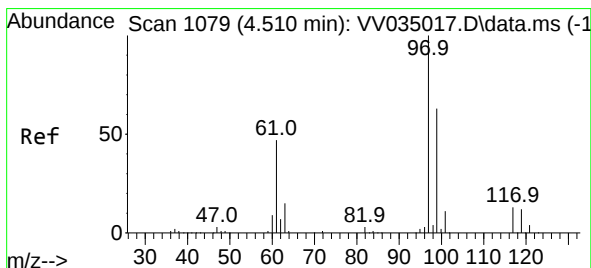
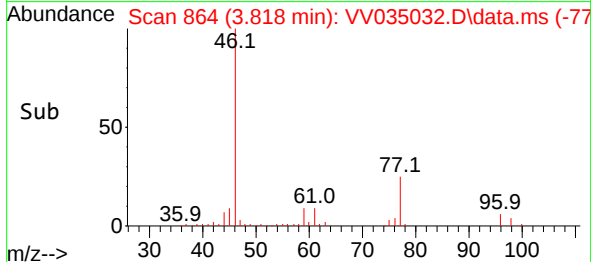
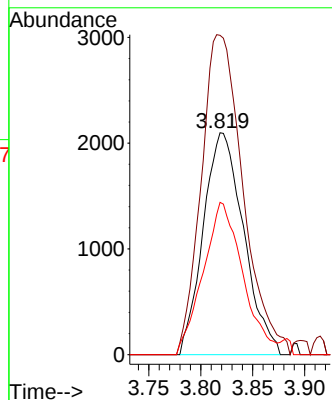
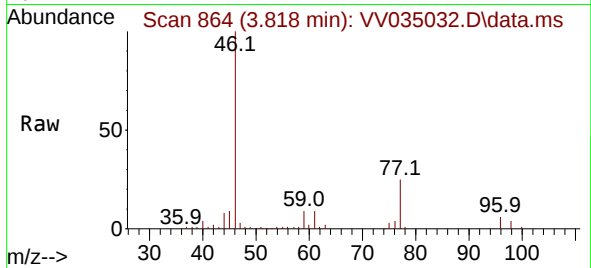




#20
 cis-1,2-Dichloroethene
 Concen: 1.725 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV035032.D
 Acq: 06 Apr 2024 02:38

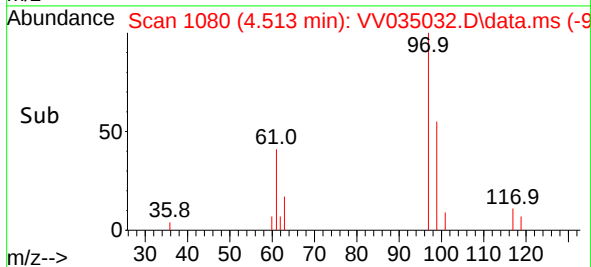
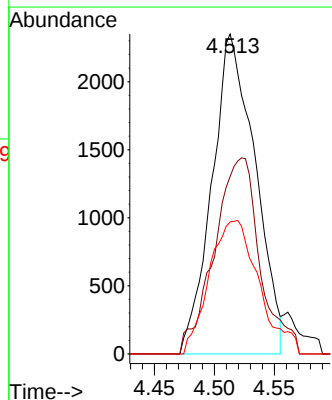
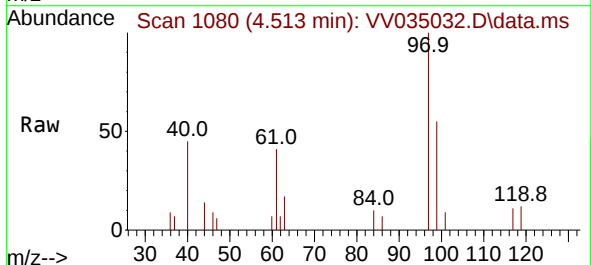
Instrument :
 MSVOA_V
 ClientSampleId :
 E0LZ6

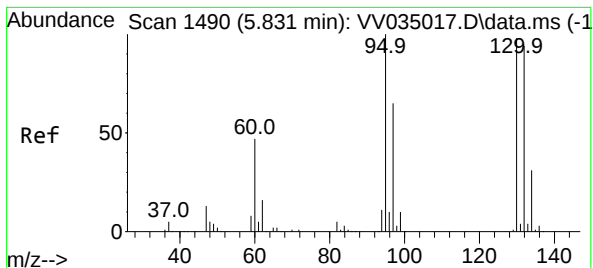
Tgt Ion: 96 Resp: 5662
 Ion Ratio Lower Upper
 96 100
 61 143.9 94.9 176.3
 98 68.6 45.6 84.8



#30
 1,1,1-Trichloroethane
 Concen: 1.222 ug/L
 RT: 4.513 min Scan# 1080
 Delta R.T. 0.003 min
 Lab File: VV035032.D
 Acq: 06 Apr 2024 02:38

Tgt Ion: 97 Resp: 5880
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.0 76.4
 61 46.4 36.8 55.2





#34

Trichloroethene

Concen: 81.963 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV035032.D

Acq: 06 Apr 2024 02:38

Instrument :

MSVOA_V

ClientSampleId :

E0LZ6

Tgt Ion: 95 Resp: 266351

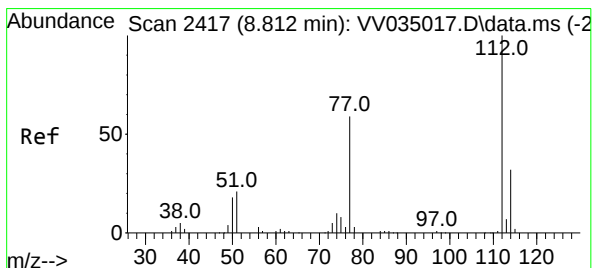
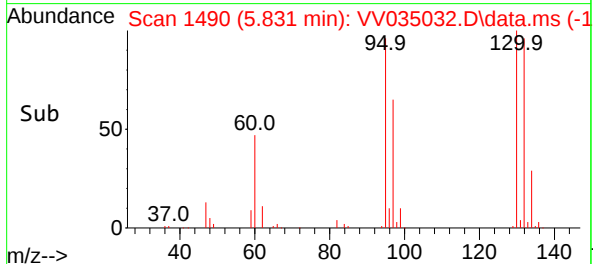
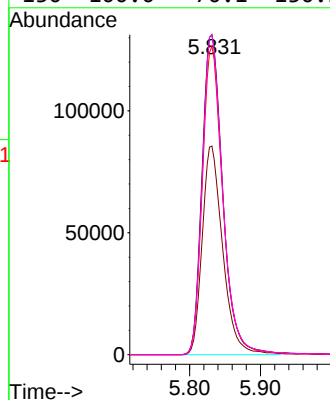
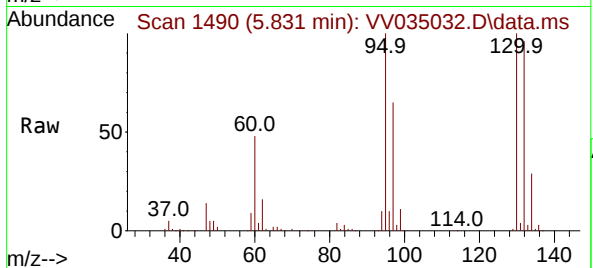
Ion Ratio Lower Upper

95 100

97 65.2 45.3 84.1

132 96.4 65.3 121.3

130 100.0 70.1 130.3



#51

Chlorobenzene

Concen: 4.391 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.007 min

Lab File: VV035032.D

Acq: 06 Apr 2024 02:38

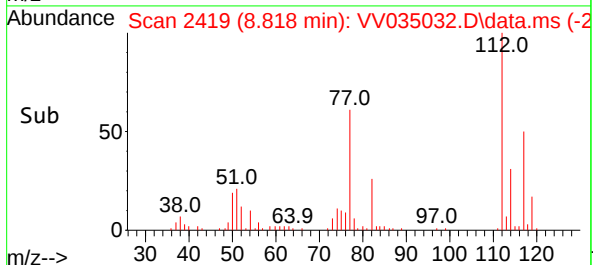
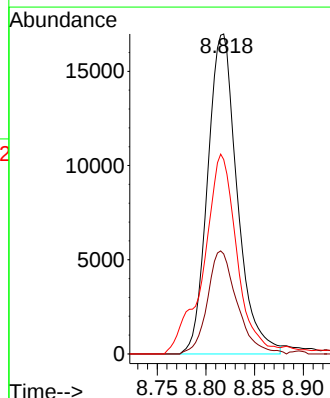
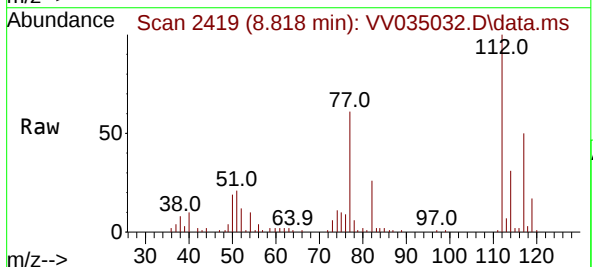
Tgt Ion: 112 Resp: 35880

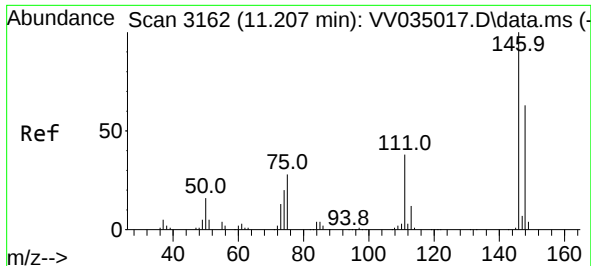
Ion Ratio Lower Upper

112 100

114 31.3 22.0 41.0

77 60.7 47.4 71.2





#65

1,4-Dichlorobenzene

Concen: 7.299 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035032.D

Acq: 06 Apr 2024 02:38

Instrument :

MSVOA_V

ClientSampleId :

E0LZ6

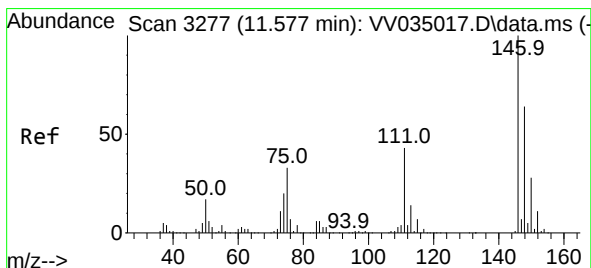
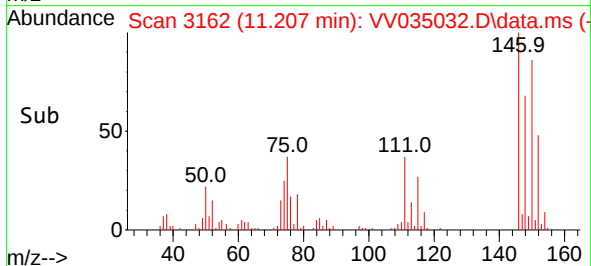
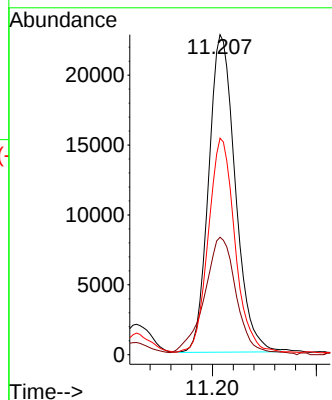
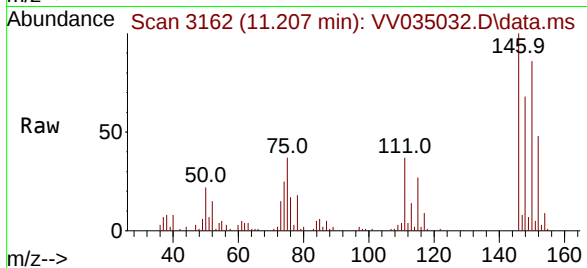
Tgt Ion:146 Resp: 40346

Ion Ratio Lower Upper

146 100

111 36.7 27.4 50.8

148 67.7 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 5.786 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035032.D

Acq: 06 Apr 2024 02:38

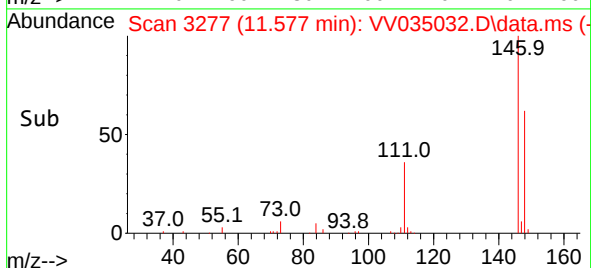
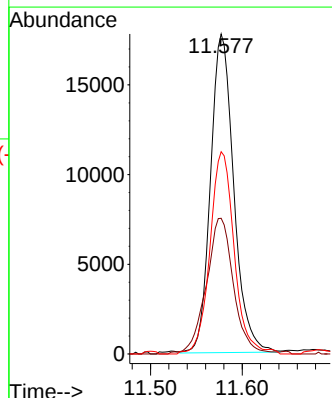
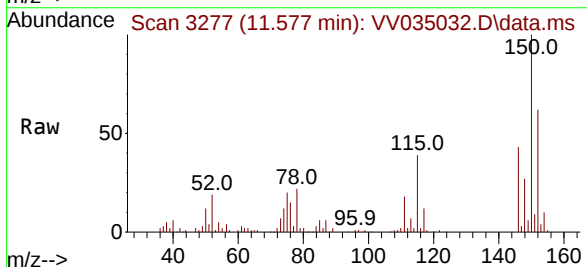
Tgt Ion:146 Resp: 31329

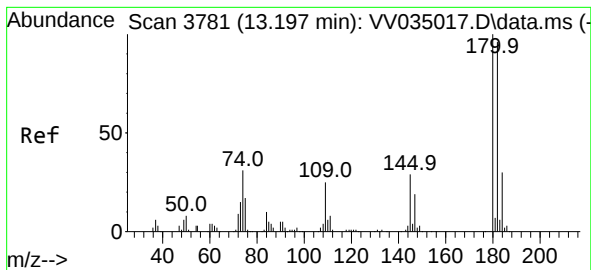
Ion Ratio Lower Upper

146 100

111 42.4 34.6 52.0

148 63.2 51.5 77.3





#70

1,2,4-trichlorobenzene

Concen: 6.602 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035032.D

Acq: 06 Apr 2024 02:38

Instrument :

MSVOA_V

ClientSampleId :

E0LZ6

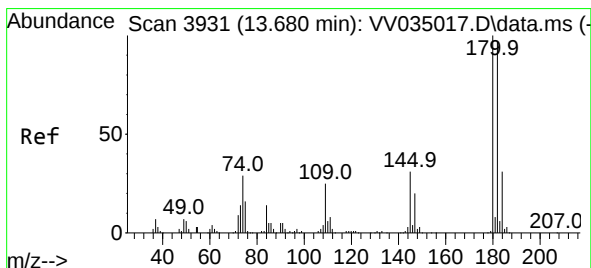
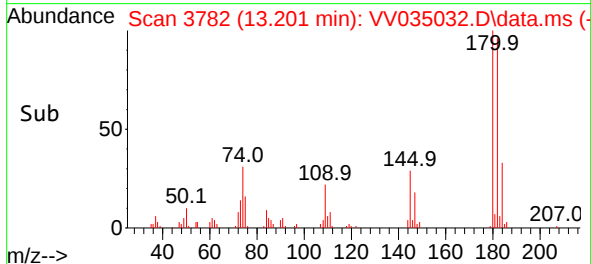
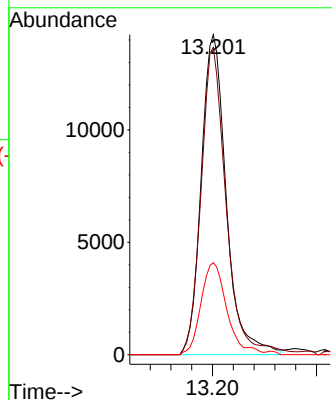
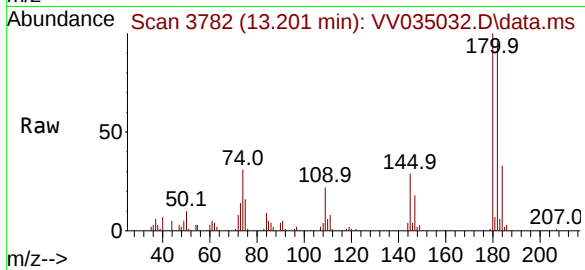
Tgt Ion:180 Resp: 23758

Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

145 28.8 24.1 36.1



#72

1,2,3-Trichlorobenzene

Concen: 1.930 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV035032.D

Acq: 06 Apr 2024 02:38

Tgt Ion:180 Resp: 6846

Ion Ratio Lower Upper

180 100

182 104.4 76.2 114.2

145 32.8 25.8 38.6

