

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042324\
 Data File : VV035362.D
 Acq On : 23 Apr 2024 15:34
 Operator : SY/MD
 Sample : P2234-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 23:30:06 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)

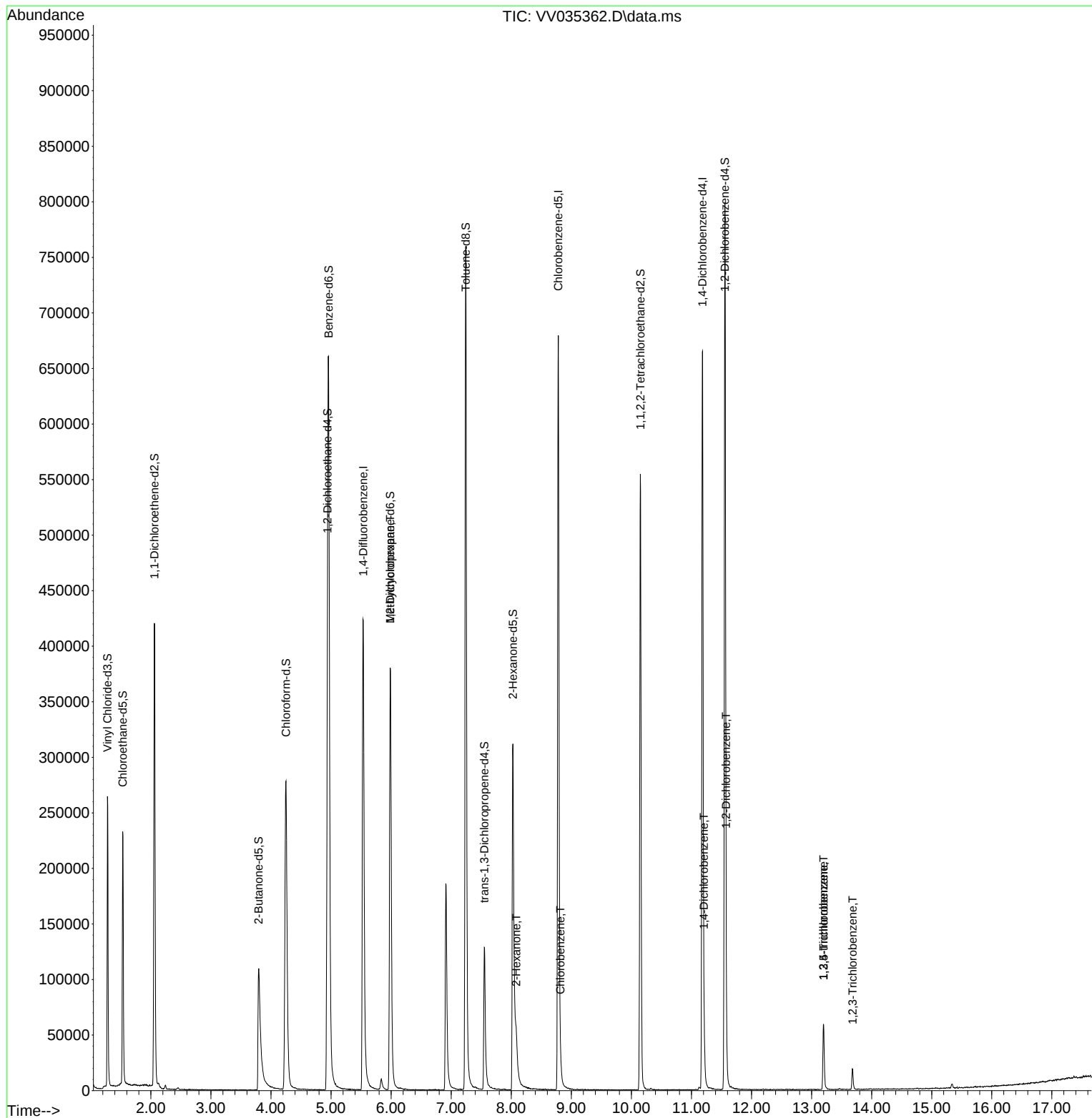
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	388611	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	390964	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	181466	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	173098	46.122	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.240%		
7) Chloroethane-d5	1.532	69	146281	44.875	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.740%		
11) 1,1-Dichloroethene-d2	2.060	65	72401	44.009	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.020%		
21) 2-Butanone-d5	3.796	46	197004	88.508	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.510%		
24) Chloroform-d	4.249	84	307360	48.710	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.420%		
26) 1,2-Dichloroethane-d4	4.941	65	193169	48.217	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.440%		
32) Benzene-d6	4.960	84	614613	46.800	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.600%		
36) 1,2-Dichloropropane-d6	5.986	67	197899	47.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.900%		
41) Toluene-d8	7.243	98	527486	44.600	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.200%		
43) trans-1,3-Dichloroprop...	7.551	79	81393	40.147	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.300%		
47) 2-Hexanone-d5	8.027	63	109727	69.593	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	69.590%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	269767	46.975	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.960%		
66) 1,2-Dichlorobenzene-d4	11.558	152	210878	51.758	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.520%		
Target Compounds						Qvalue
35) Methylcyclohexane	5.986	83	46172	8.886	ug/L #	20
48) 2-Hexanone	8.085	43	32100	8.390	ug/L	95
51) Chlorobenzene	8.818	112	11032	1.275	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	15387	2.475	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	11962	1.964	ug/L	92
69) 1,3,5-Trichlorobenzene	13.198	180	20289	4.605	ug/L	98
70) 1,2,4-trichlorobenzene	13.198	180	20289	5.013	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	6245	1.565	ug/L	99

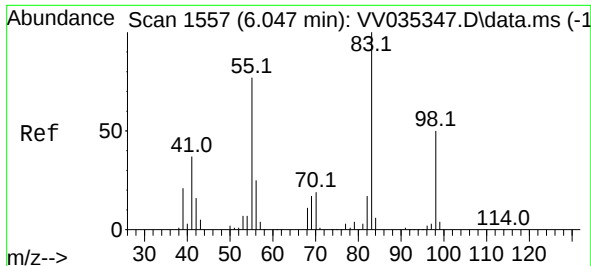
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 23 23:26:51 2024
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#35

Methylcyclohexane

Concen: 8.886 ug/L

RT: 5.986 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV035362.D

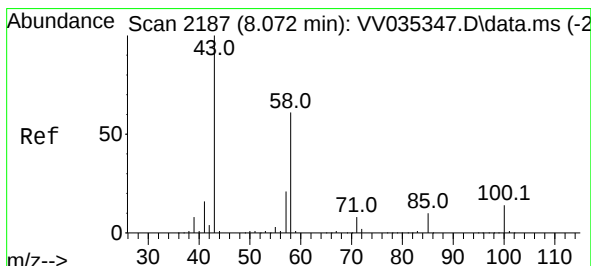
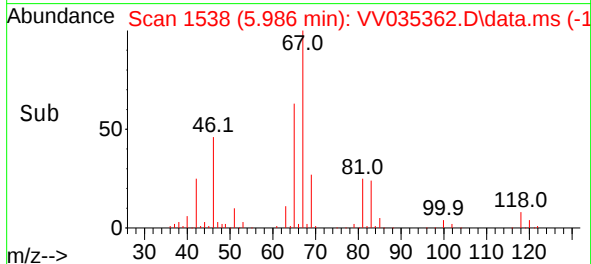
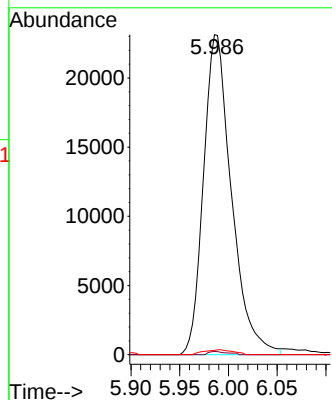
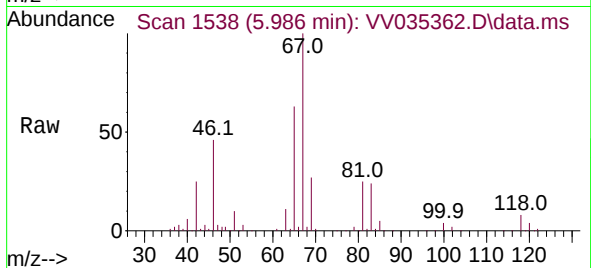
Acq: 23 Apr 2024 15:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 46172
Ion Ratio	Lower Upper
83	100
55	0.6 60.0 90.0#
98	1.6 37.6 56.4#



#48

2-Hexanone

Concen: 8.390 ug/L

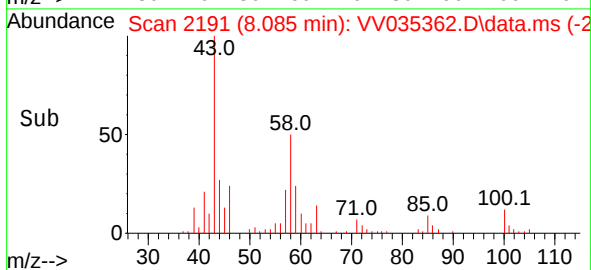
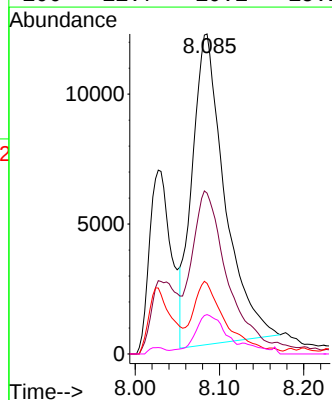
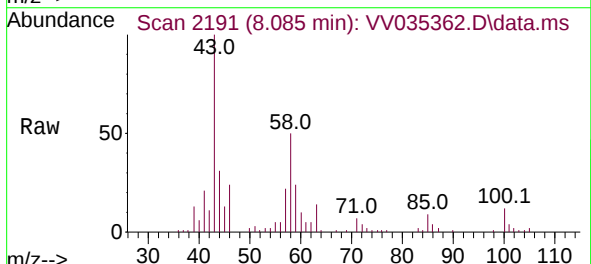
RT: 8.085 min Scan# 2191

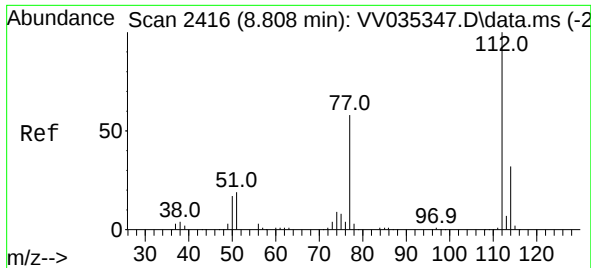
Delta R.T. 0.013 min

Lab File: VV035362.D

Acq: 23 Apr 2024 15:34

Tgt Ion: 43	Resp: 32100
Ion Ratio	Lower Upper
43	100
58	51.5 45.4 68.2
57	20.3 16.2 24.4
100	11.7 10.1 15.1





#51

Chlorobenzene

Concen: 1.275 ug/L

RT: 8.818 min Scan# 2416

Delta R.T. 0.010 min

Lab File: VV035362.D

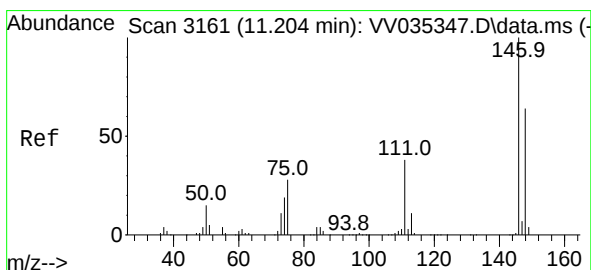
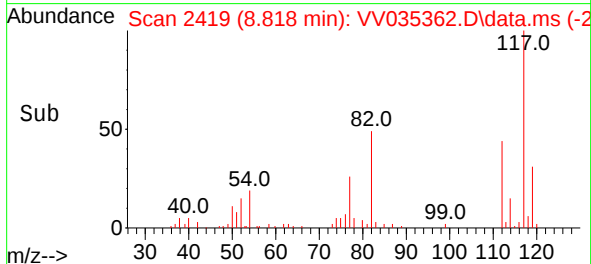
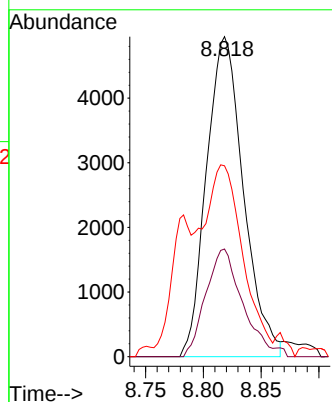
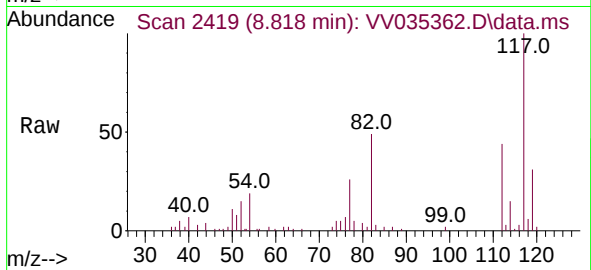
Acq: 23 Apr 2024 15:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:112	Resp:	11032
Ion Ratio	Lower	Upper
112	100	
114	33.7	22.0 41.0
77	59.7	47.4 71.2



#65

1,4-Dichlorobenzene

Concen: 2.475 ug/L

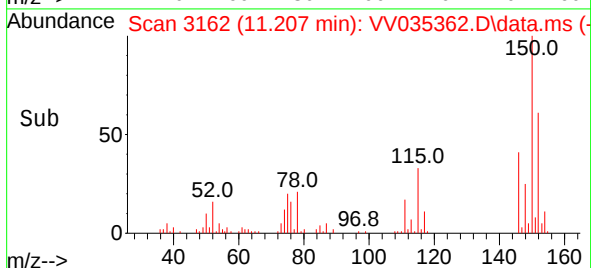
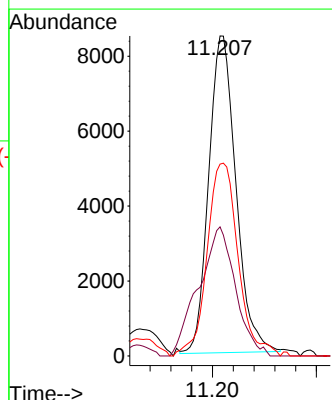
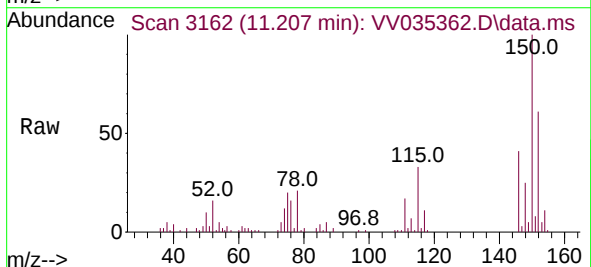
RT: 11.207 min Scan# 3162

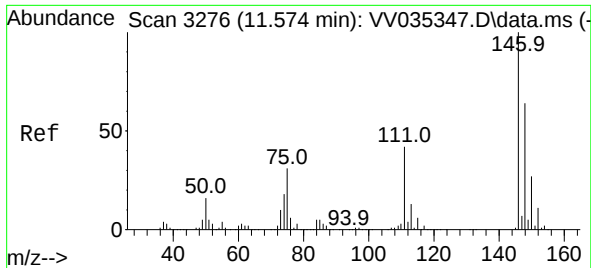
Delta R.T. 0.003 min

Lab File: VV035362.D

Acq: 23 Apr 2024 15:34

Tgt Ion:146	Resp:	15387
Ion Ratio	Lower	Upper
146	100	
111	40.3	27.4 50.8
148	60.0	44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 1.964 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035362.D

Acq: 23 Apr 2024 15:34

Instrument :

MSVOA_V

ClientSampleId :

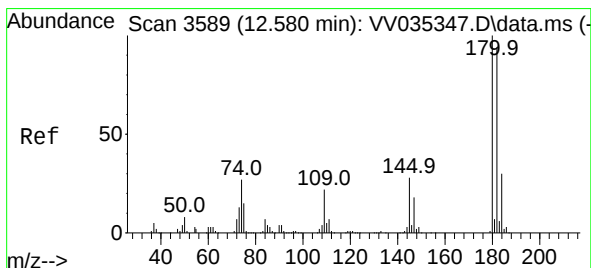
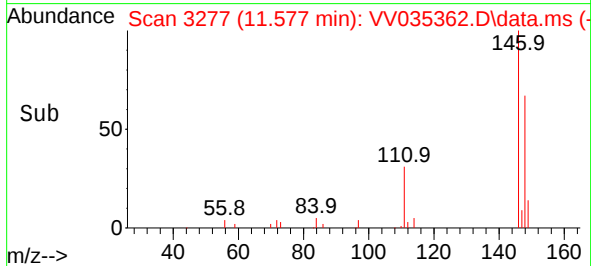
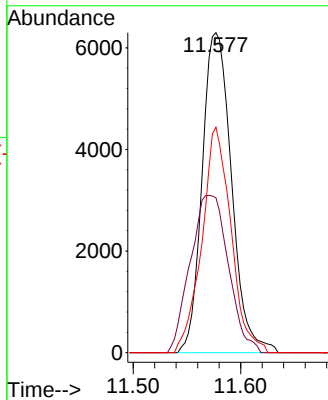
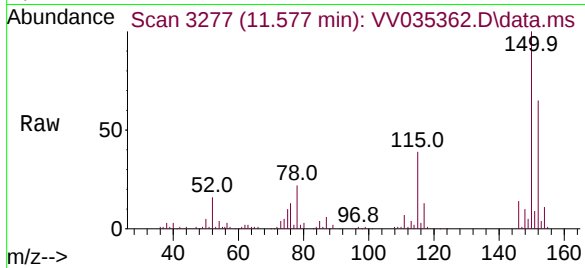
Tgt Ion:146 Resp: 11962

Ion Ratio Lower Upper

146 100

111 48.4 34.6 52.0

148 70.5 51.5 77.3



#69

1,3,5-Trichlorobenzene

Concen: 4.605 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.617 min

Lab File: VV035362.D

Acq: 23 Apr 2024 15:34

Tgt Ion:180 Resp: 20289

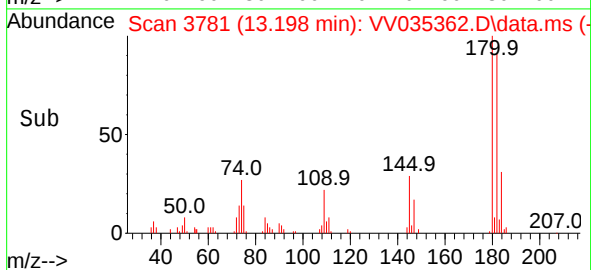
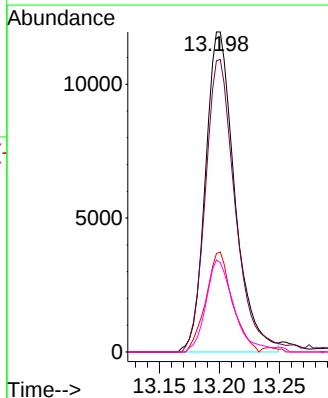
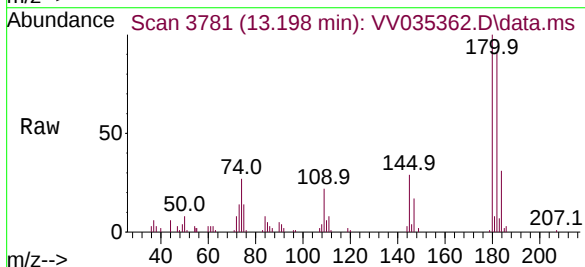
Ion Ratio Lower Upper

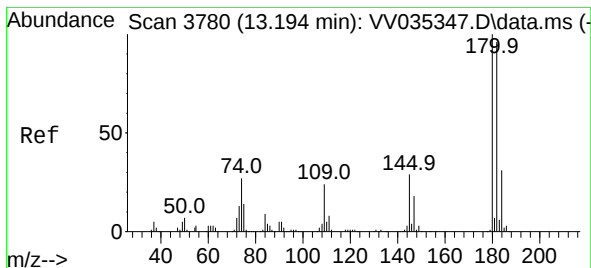
180 100

182 93.1 74.7 112.1

184 28.2 24.0 36.0

145 27.2 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 5.013 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035362.D

Acq: 23 Apr 2024 15:34

Instrument :

MSVOA_V

ClientSampleId :

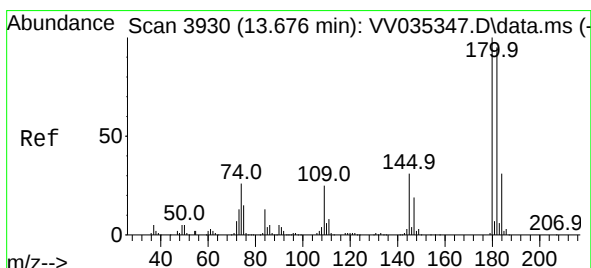
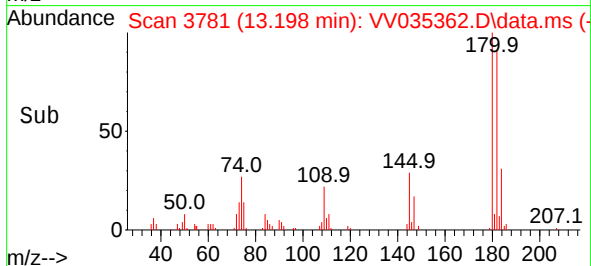
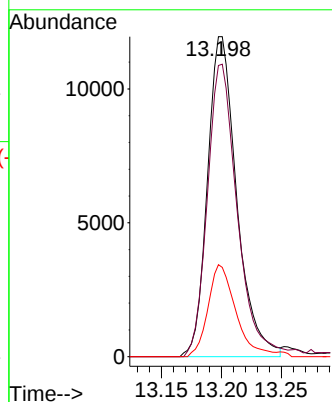
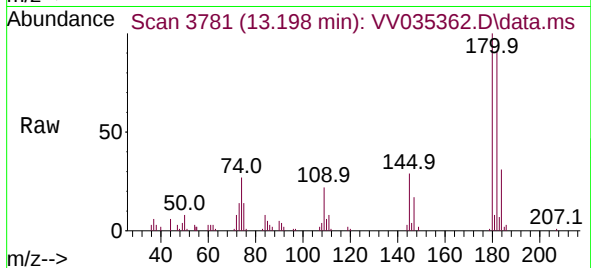
Tgt Ion:180 Resp: 20289

Ion Ratio Lower Upper

180 100

182 93.1 75.6 113.4

145 27.2 24.1 36.1



#72

1,2,3-Trichlorobenzene

Concen: 1.565 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.007 min

Lab File: VV035362.D

Acq: 23 Apr 2024 15:34

Tgt Ion:180 Resp: 6245

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.2

145 33.1 25.8 38.6

