

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041924\
 Data File : VV035311.D
 Acq On : 19 Apr 2024 16:28
 Operator : SY/MD
 Sample : P2157-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 22:32:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 22:28:16 2024
 Response via : Initial Calibration

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

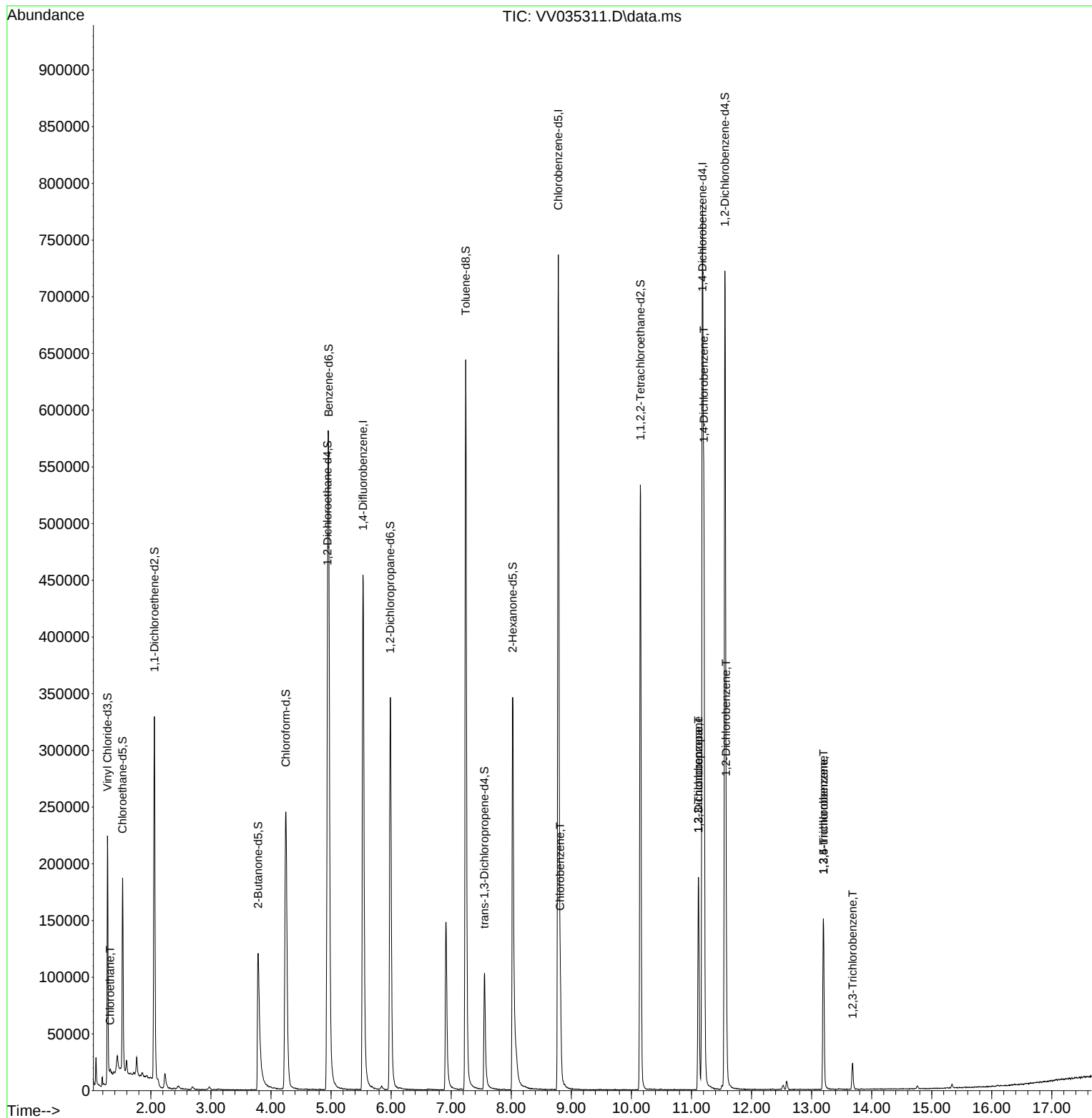
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	406271	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	403346	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	191670	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	125466	31.977	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	63.960%		
7) Chloroethane-d5	1.529	69	111672	32.769	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	65.540%#		
11) 1,1-Dichloroethene-d2	2.060	65	55369	32.193	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.380%		
21) 2-Butanone-d5	3.786	46	199436	85.705	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.710%		
24) Chloroform-d	4.246	84	270089	40.942	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.880%		
26) 1,2-Dichloroethane-d4	4.941	65	174721	41.717	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.440%		
32) Benzene-d6	4.960	84	527338	38.922	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.840%		
36) 1,2-Dichloropropane-d6	5.986	67	178459	41.479	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.960%		
41) Toluene-d8	7.243	98	444546	36.433	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	72.860%#		
43) trans-1,3-Dichloroprop...	7.555	79	66975	32.021	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.040%		
47) 2-Hexanone-d5	8.024	63	117767	72.399	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	72.400%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	262290	44.271	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.540%		
66) 1,2-Dichlorobenzene-d4	11.558	152	190656	44.303	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.600%		
Target Compounds						Qvalue
8) Chloroethane	1.323	64	12041	4.443	ug/L #	52
51) Chlorobenzene	8.815	112	54235	6.077	ug/L	99
61) 1,2,3-Trichloropropane	11.117	75	22946	5.525	ug/L #	48
64) 1,3-Dichlorobenzene	11.117	146	77692	12.032	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	203103	30.930	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	34921	5.429	ug/L	99
69) 1,3,5-Trichlorobenzene	13.197	180	48136	10.343	ug/L	97
70) 1,2,4-trichlorobenzene	13.197	180	48136	11.260	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	7644	1.814	ug/L	99

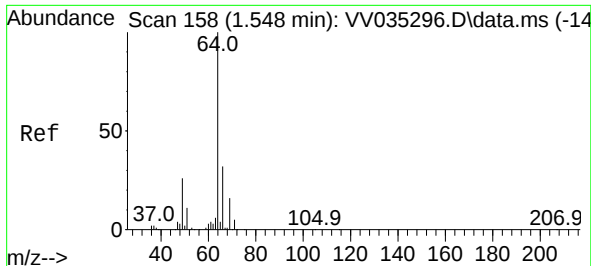
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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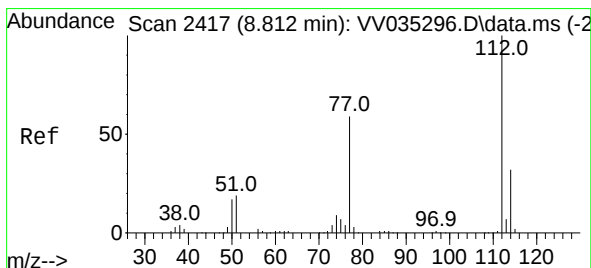
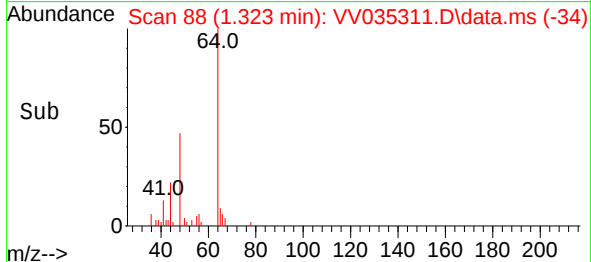
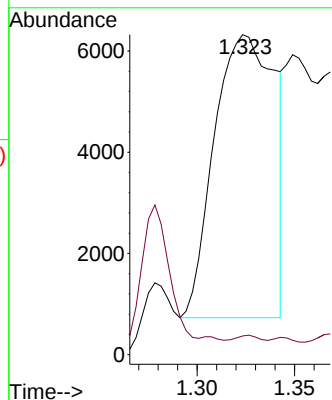
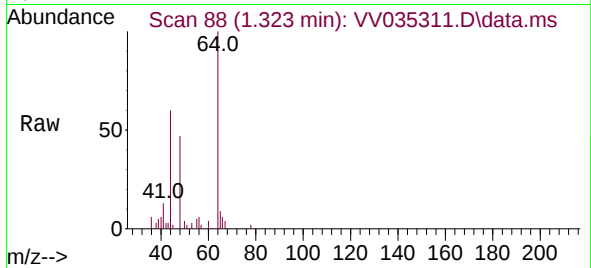




#8
Chloroethane
Concen: 4.443 ug/L
RT: 1.323 min Scan# 80
Delta R.T. -0.225 min
Lab File: VV035311.D
Acq: 19 Apr 2024 16:28

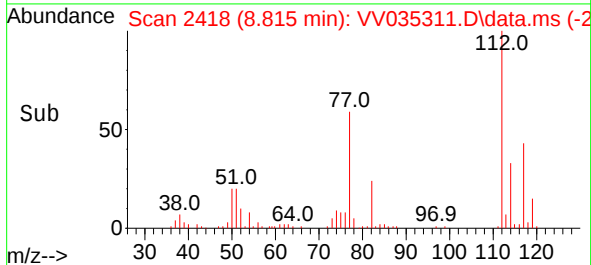
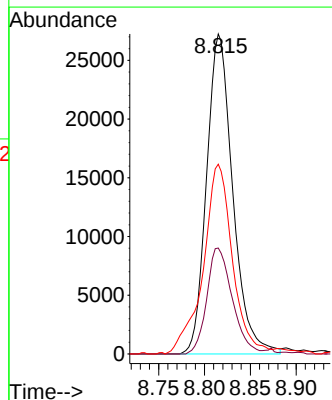
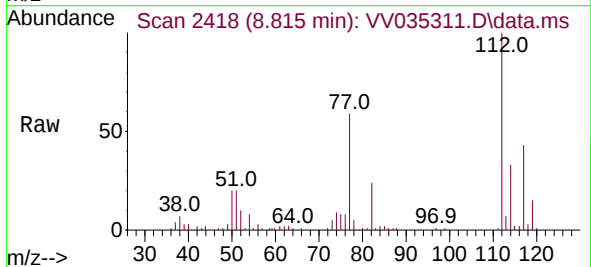
Instrument :
MSVOA_V
ClientSampleId :

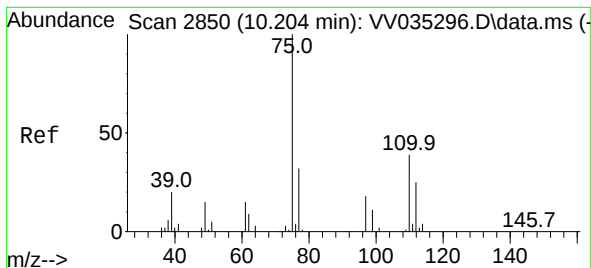
Tgt Ion: 64 Resp: 12041
Ion Ratio Lower Upper
64 100
66 5.9 23.2 43.2#



#51
Chlorobenzene
Concen: 6.077 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV035311.D
Acq: 19 Apr 2024 16:28

Tgt Ion: 112 Resp: 54235
Ion Ratio Lower Upper
112 100
114 33.1 22.0 41.0
77 59.3 47.4 71.2





#61

1,2,3-Trichloropropane

Concen: 5.525 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.913 min

Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

Instrument :

MSVOA_V

ClientSampleId :

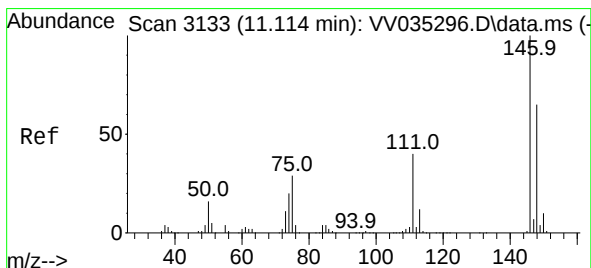
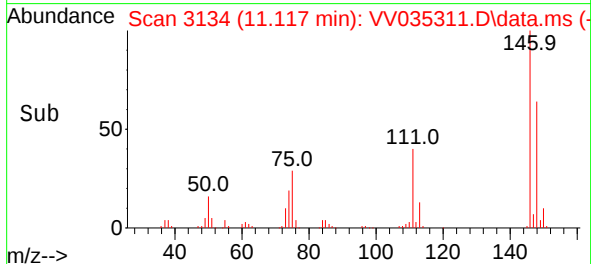
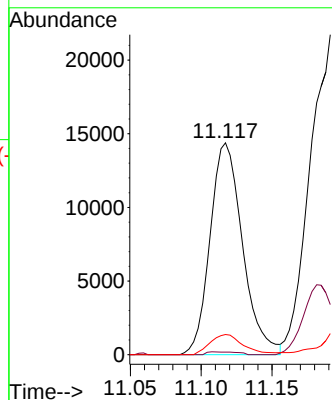
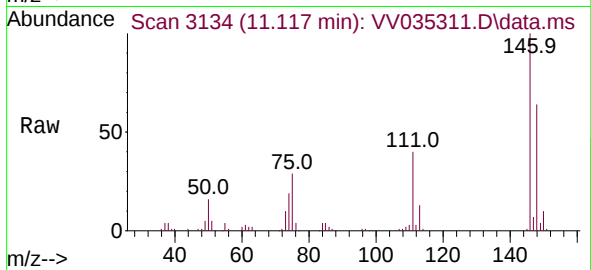
Tgt Ion: 75 Resp: 22946

Ion Ratio Lower Upper

75 100

77 0.6 26.0 39.0#

110 9.7 30.5 45.7#



#64

1,3-Dichlorobenzene

Concen: 12.032 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

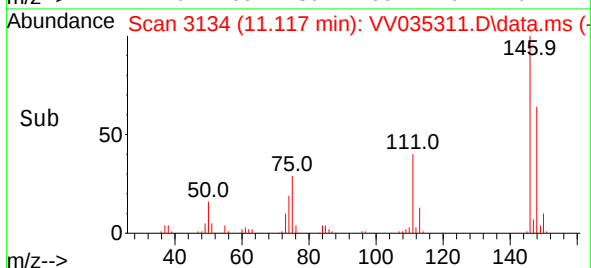
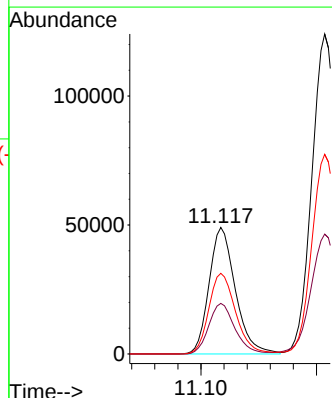
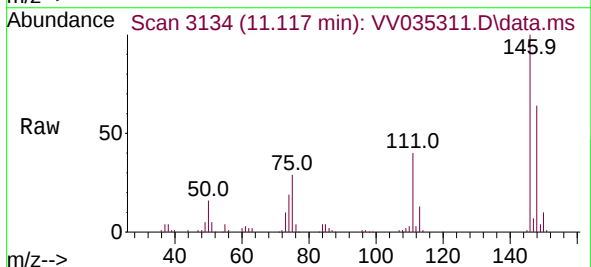
Tgt Ion:146 Resp: 77692

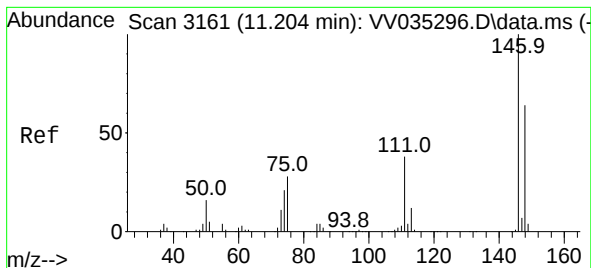
Ion Ratio Lower Upper

146 100

111 40.0 28.7 53.3

148 63.7 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 30.930 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

Instrument :

MSVOA_V

ClientSampleId :

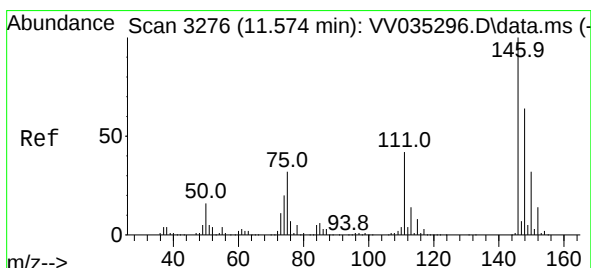
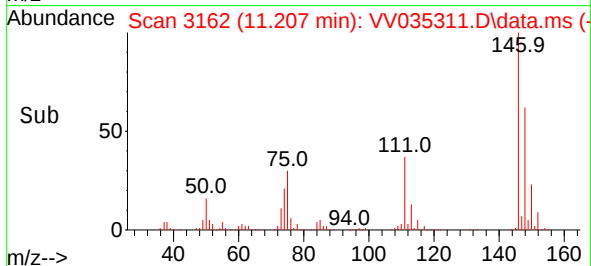
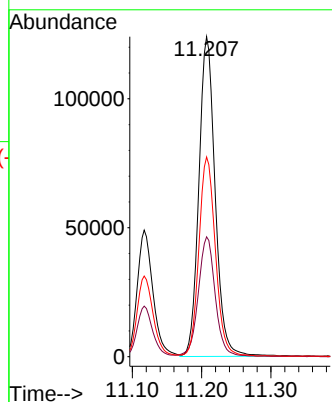
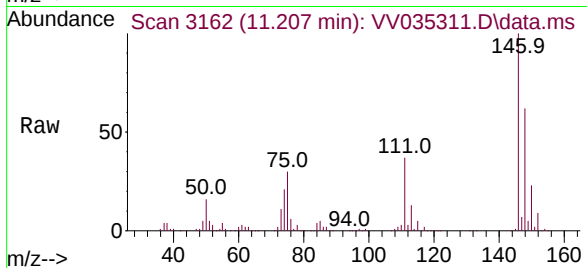
Tgt Ion:146 Resp: 203103

Ion Ratio Lower Upper

146 100

111 37.5 27.4 50.8

148 62.4 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 5.429 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

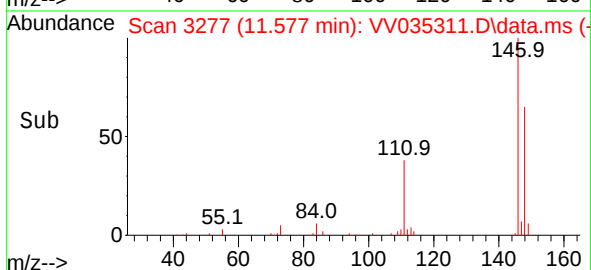
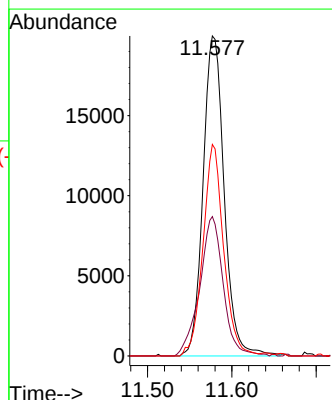
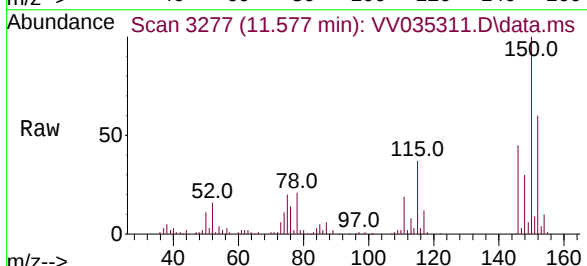
Tgt Ion:146 Resp: 34921

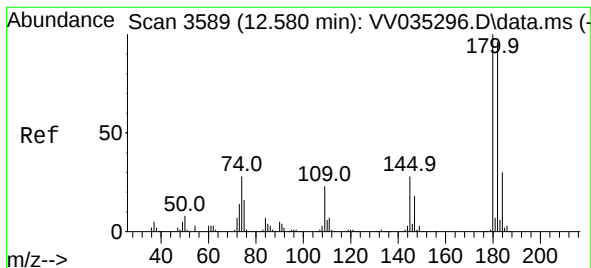
Ion Ratio Lower Upper

146 100

111 43.6 34.6 52.0

148 66.1 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 10.343 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.617 min

Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 48136

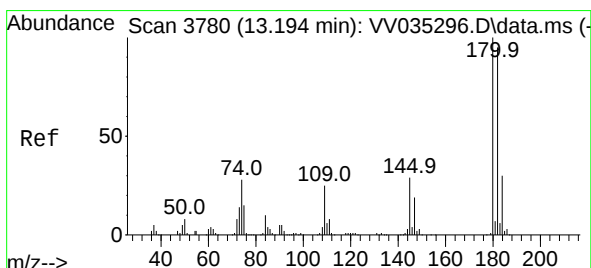
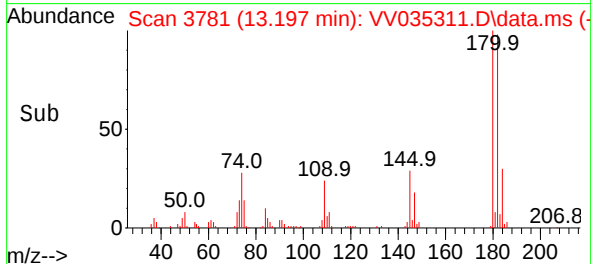
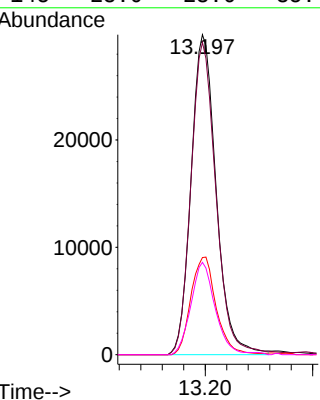
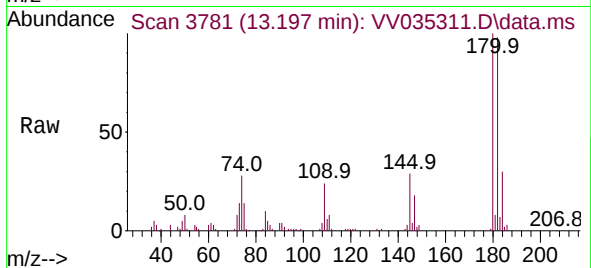
Ion Ratio Lower Upper

180 100

182 97.5 74.7 112.1

184 30.8 24.0 36.0

145 28.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 11.260 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

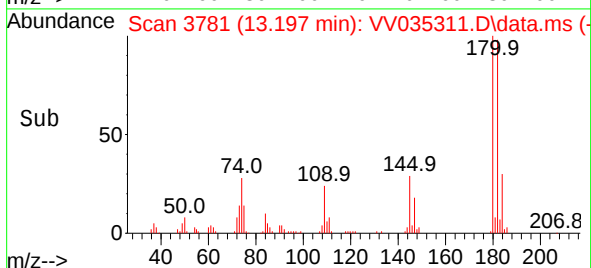
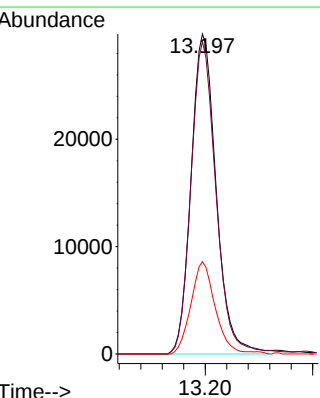
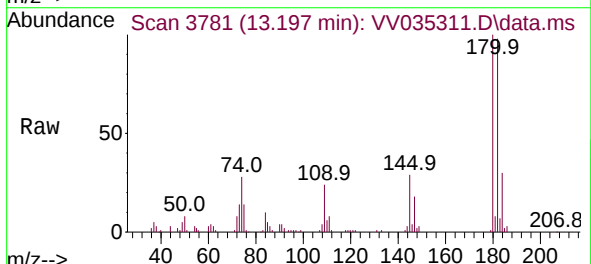
Tgt Ion:180 Resp: 48136

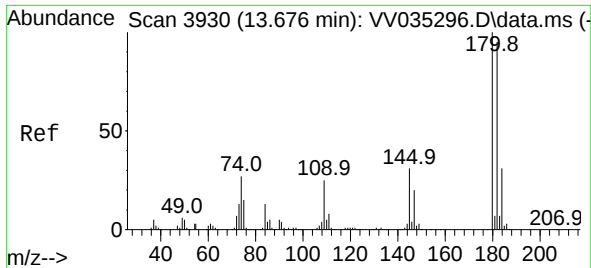
Ion Ratio Lower Upper

180 100

182 97.5 75.6 113.4

145 28.0 24.1 36.1





#72

1,2,3-Trichlorobenzene

Concen: 1.814 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.007 min

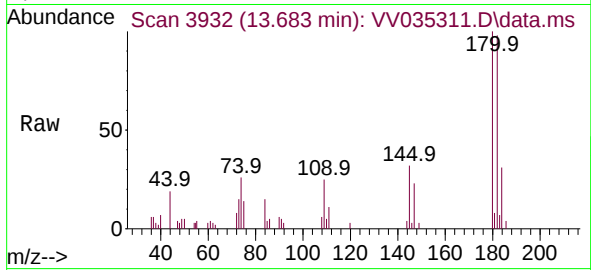
Lab File: VV035311.D

Acq: 19 Apr 2024 16:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 7644

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

145 31.8 25.8 38.6

