

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042224\
 Data File : VW035344.D
 Acq On : 22 Apr 2024 19:30
 Operator : SY/MD
 Sample : P2158-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:34:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 00:28:07 2024
 Response via : Initial Calibration

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

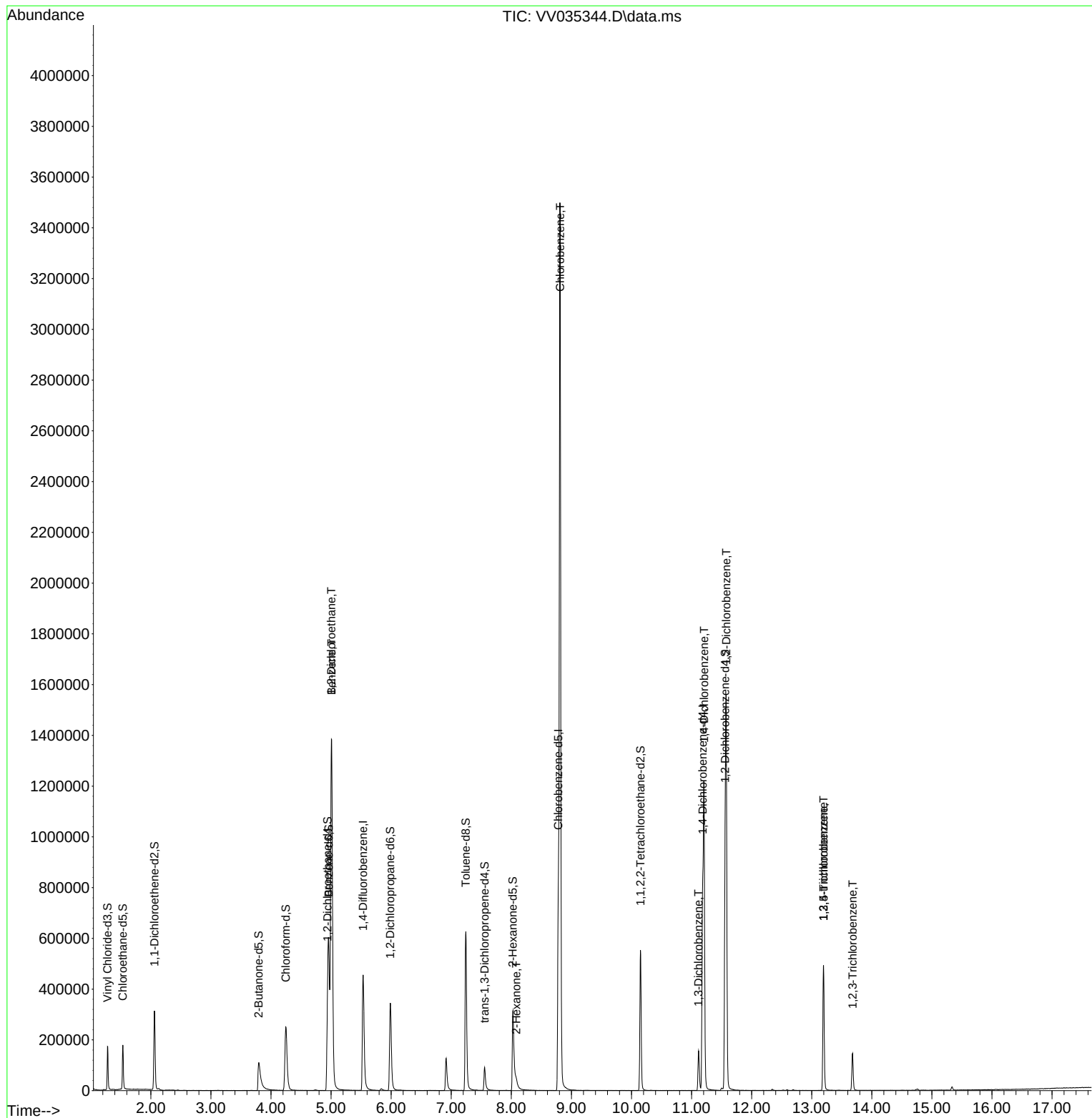
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	405012	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	412306	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	194654	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	113852	29.108	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	58.220%#		
7) Chloroethane-d5	1.532	69	111321	32.767	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	65.540%#		
11) 1,1-Dichloroethene-d2	2.060	65	53043	30.937	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.880%		
21) 2-Butanone-d5	3.796	46	197667	85.209	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.210%		
24) Chloroform-d	4.246	84	277128	42.140	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.280%		
26) 1,2-Dichloroethane-d4	4.940	65	176309	42.227	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.460%		
32) Benzene-d6	4.960	84	529070	38.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.400%		
36) 1,2-Dichloropropane-d6	5.985	67	178417	40.569	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.140%		
41) Toluene-d8	7.243	98	443648	35.570	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	71.140%#		
43) trans-1,3-Dichloroprop...	7.554	79	59439	27.801	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.600%#		
47) 2-Hexanone-d5	8.024	63	105333	63.348	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	63.350%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	267023	44.090	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.180%		
66) 1,2-Dichlorobenzene-d4	11.558	152	203432	46.548	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.100%		
Target Compounds						Qvalue
27) 1,2-Dichloroethane	5.005	62	11128	2.346	ug/L #	75
33) Benzene	5.008	78	1465518	109.003	ug/L	100
48) 2-Hexanone	8.085	43	22146	5.489	ug/L #	92
51) Chlorobenzene	8.812	112	1875036	205.534	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	67762	10.333	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	469895	70.461	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	555179	84.983	ug/L	99
69) 1,3,5-Trichlorobenzene	13.197	180	159485	33.744	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	159485	36.736	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	46013	10.752	ug/L	98

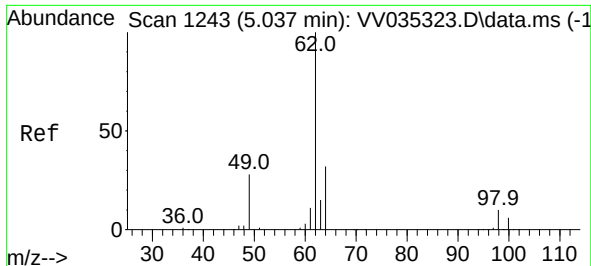
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Apr 23 00:28:07 2024
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 2.346 ug/L

RT: 5.005 min Scan# 1233

Delta R.T. -0.032 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

Instrument :

MSVOA_V

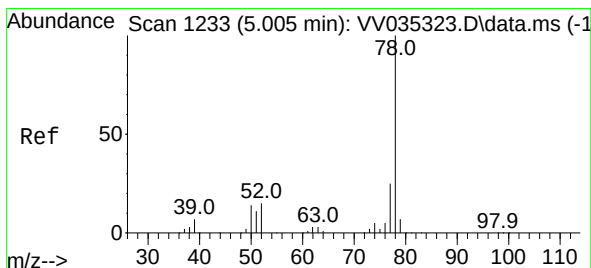
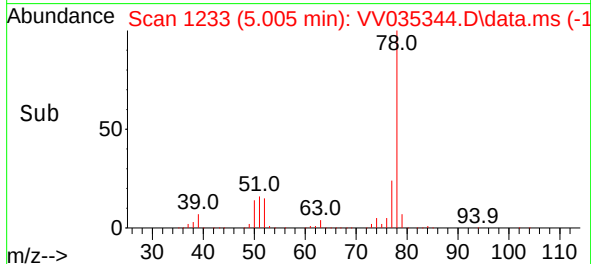
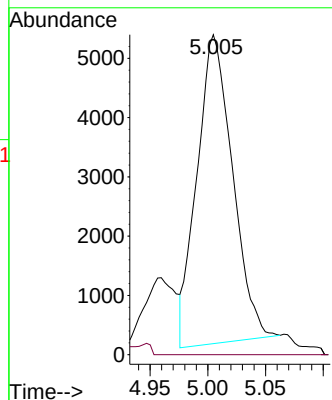
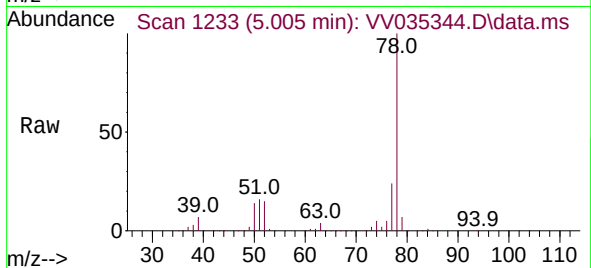
ClientSampleId :

Tgt Ion: 62 Resp: 11128

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#33

Benzene

Concen: 109.003 ug/L

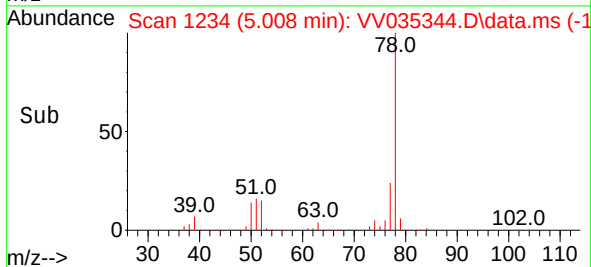
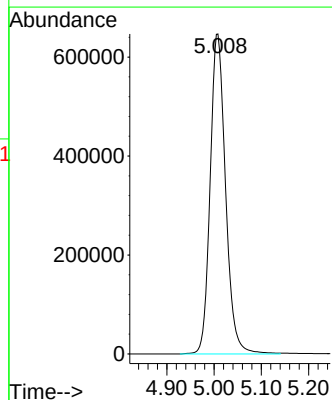
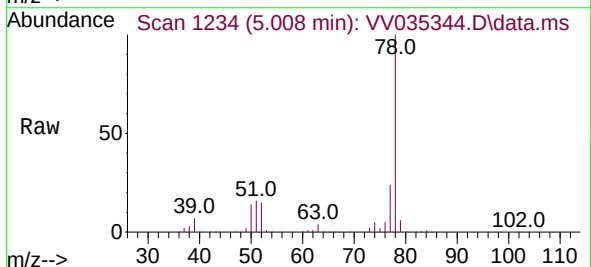
RT: 5.008 min Scan# 1234

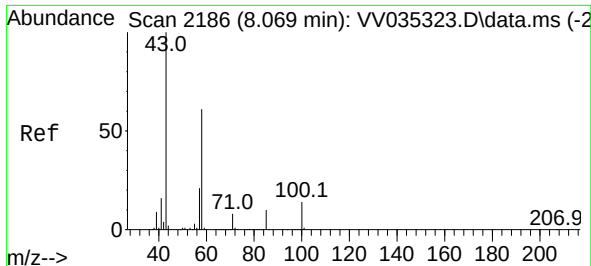
Delta R.T. 0.003 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

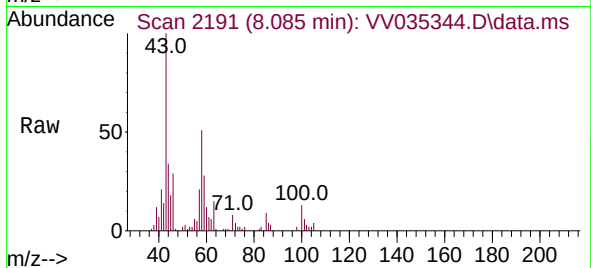
Tgt Ion: 78 Resp: 1465518



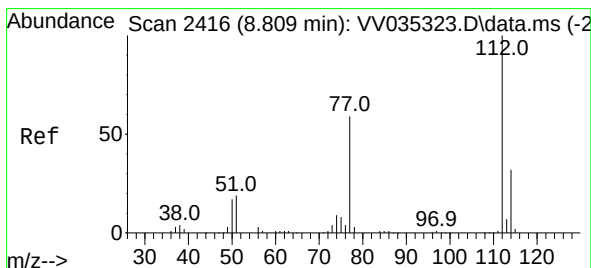
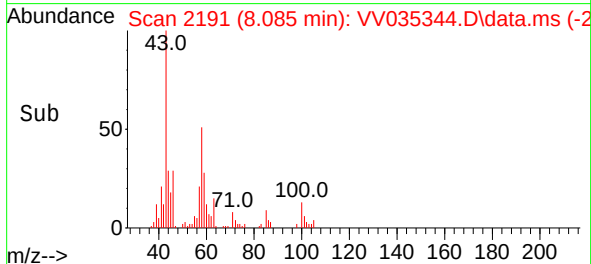
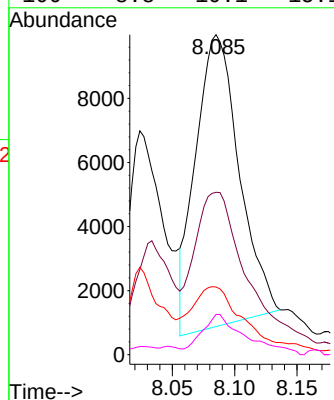


#48
2-Hexanone
Concen: 5.489 ug/L
RT: 8.085 min Scan# 2186
Delta R.T. 0.016 min
Lab File: VV035344.D
Acq: 22 Apr 2024 19:30

Instrument :
MSVOA_V
ClientSampleId :

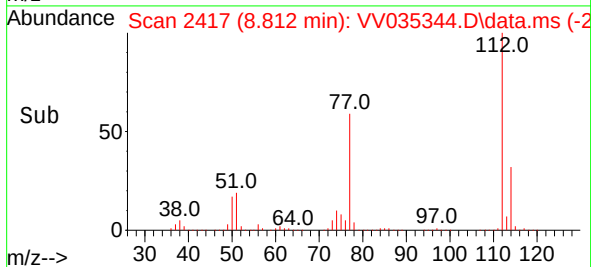
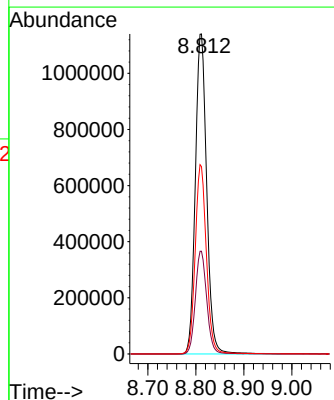
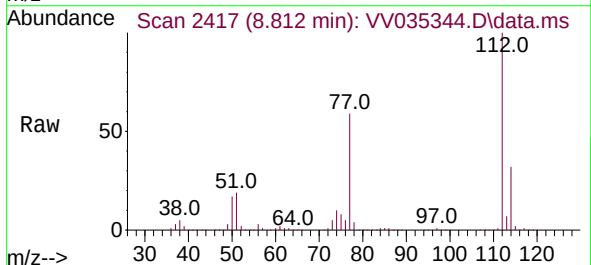


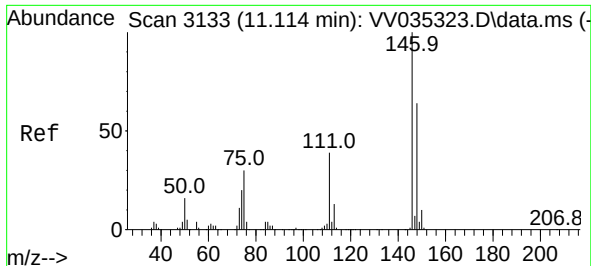
Tgt Ion: 43 Resp: 22146
Ion Ratio Lower Upper
43 100
58 64.3 45.4 68.2
57 20.8 16.2 24.4
100 8.8 10.1 15.1#



#51
Chlorobenzene
Concen: 205.534 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035344.D
Acq: 22 Apr 2024 19:30

Tgt Ion: 112 Resp: 1875036
Ion Ratio Lower Upper
112 100
114 32.1 22.0 41.0
77 58.5 47.4 71.2





#64

1,3-Dichlorobenzene

Concen: 10.333 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

Instrument :

MSVOA_V

ClientSampleId :

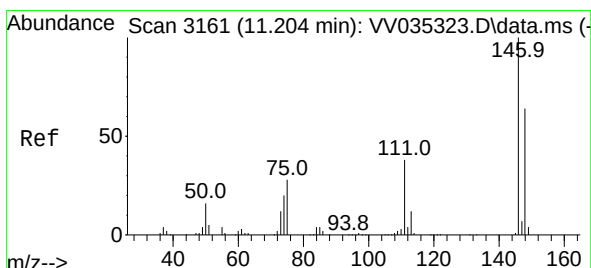
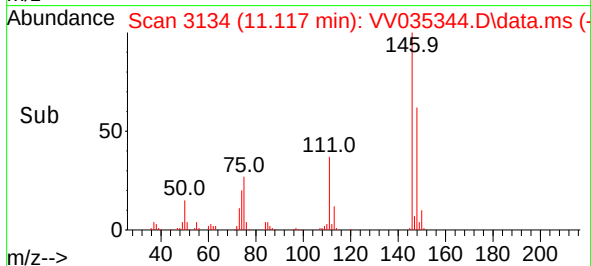
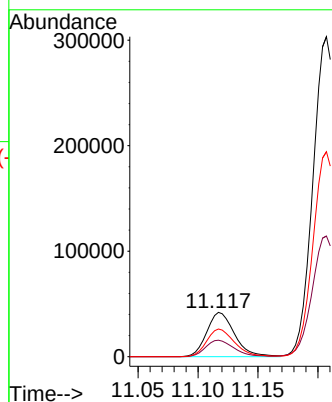
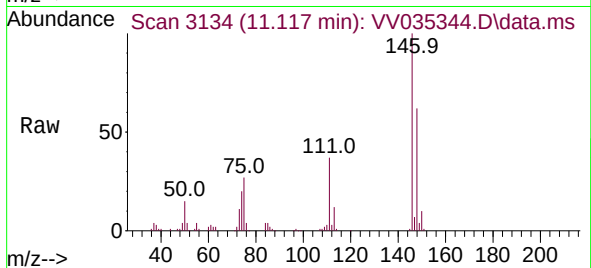
Tgt Ion:146 Resp: 67762

Ion Ratio Lower Upper

146 100

111 37.2 28.7 53.3

148 62.4 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 70.461 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

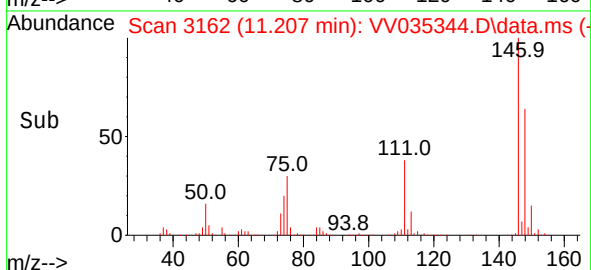
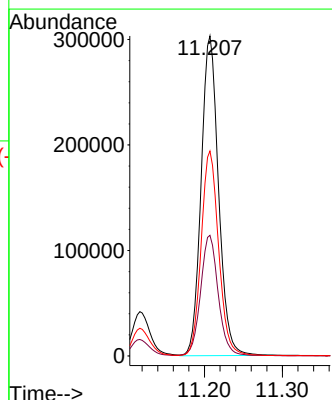
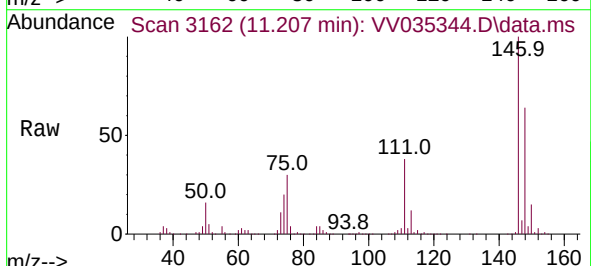
Tgt Ion:146 Resp: 469895

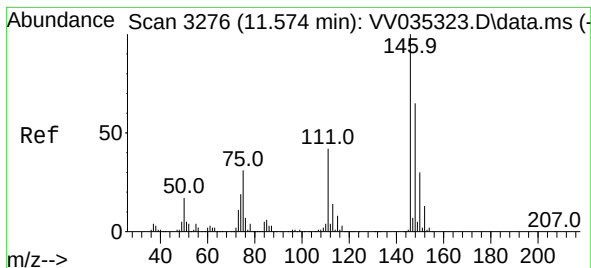
Ion Ratio Lower Upper

146 100

111 37.7 27.4 50.8

148 64.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 84.983 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

Instrument :

MSVOA_V

ClientSampleId :

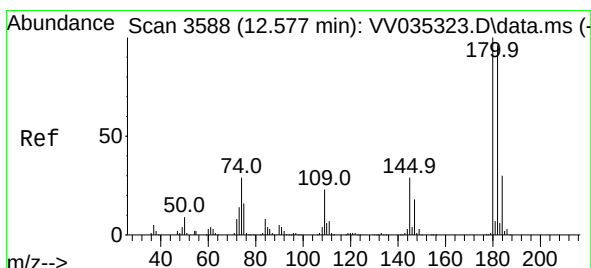
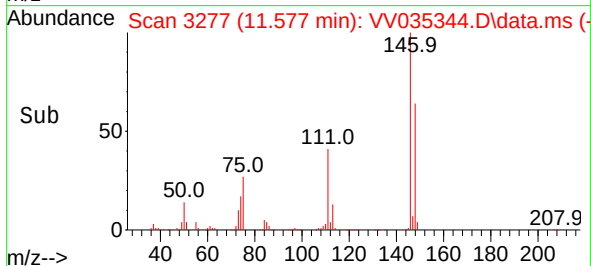
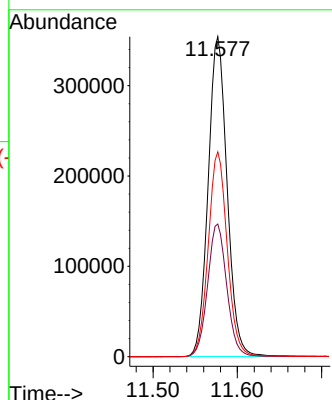
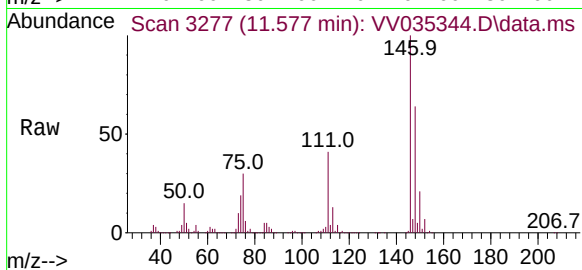
Tgt Ion:146 Resp: 555179

Ion Ratio Lower Upper

146 100

111 41.4 34.6 52.0

148 64.0 51.5 77.3



#69

1,3,5-Trichlorobenzene

Concen: 33.744 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.620 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

Tgt Ion:180 Resp: 159485

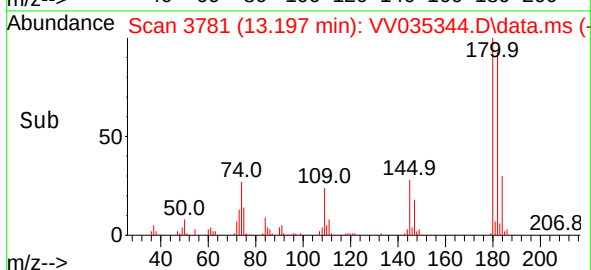
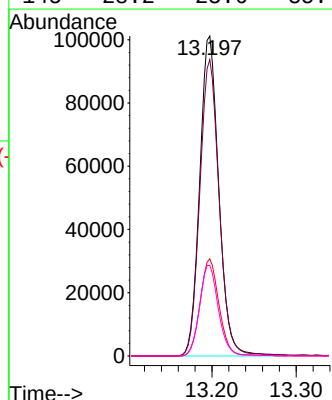
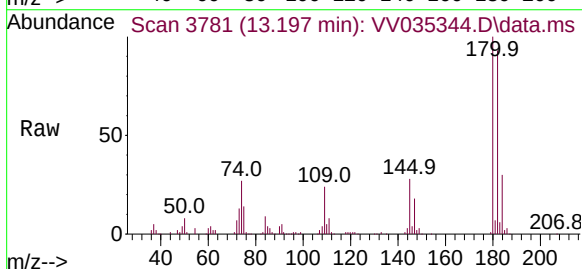
Ion Ratio Lower Upper

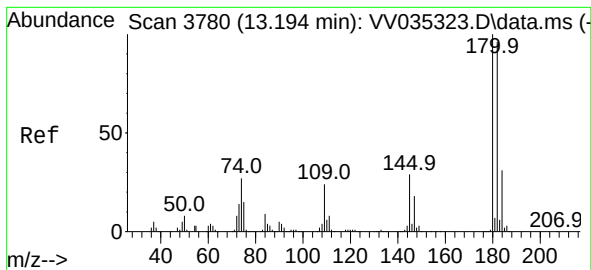
180 100

182 93.9 74.7 112.1

184 29.8 24.0 36.0

145 28.2 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 36.736 ug/L

RT: 13.197 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

Instrument :

MSVOA_V

ClientSampleId :

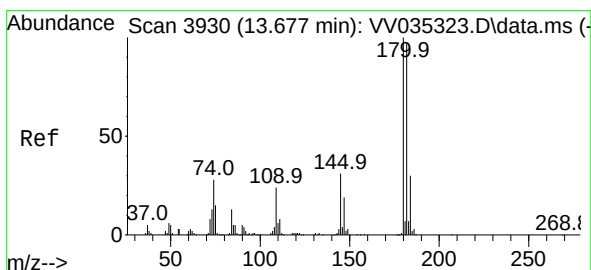
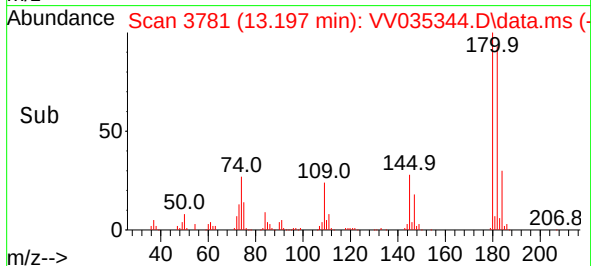
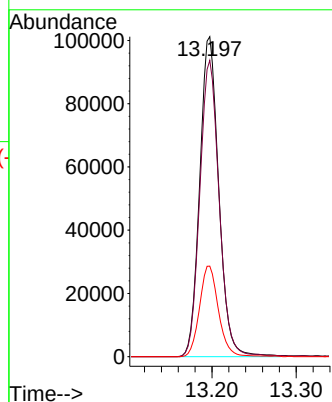
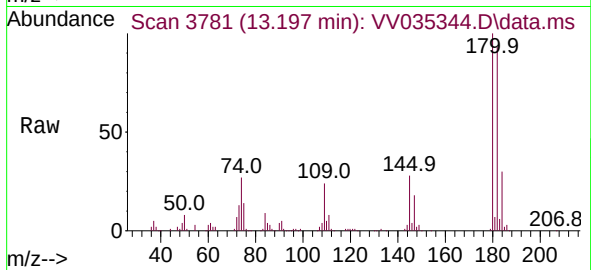
Tgt Ion:180 Resp: 159485

Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

145 28.2 24.1 36.1



#72

1,2,3-Trichlorobenzene

Concen: 10.752 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV035344.D

Acq: 22 Apr 2024 19:30

Tgt Ion:180 Resp: 46013

Ion Ratio Lower Upper

180 100

182 96.9 76.2 114.2

145 30.8 25.8 38.6

