

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042224\
 Data File : VV035325.D
 Acq On : 22 Apr 2024 12:12
 Operator : SY/MD
 Sample : P2182-11 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:29:02 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)

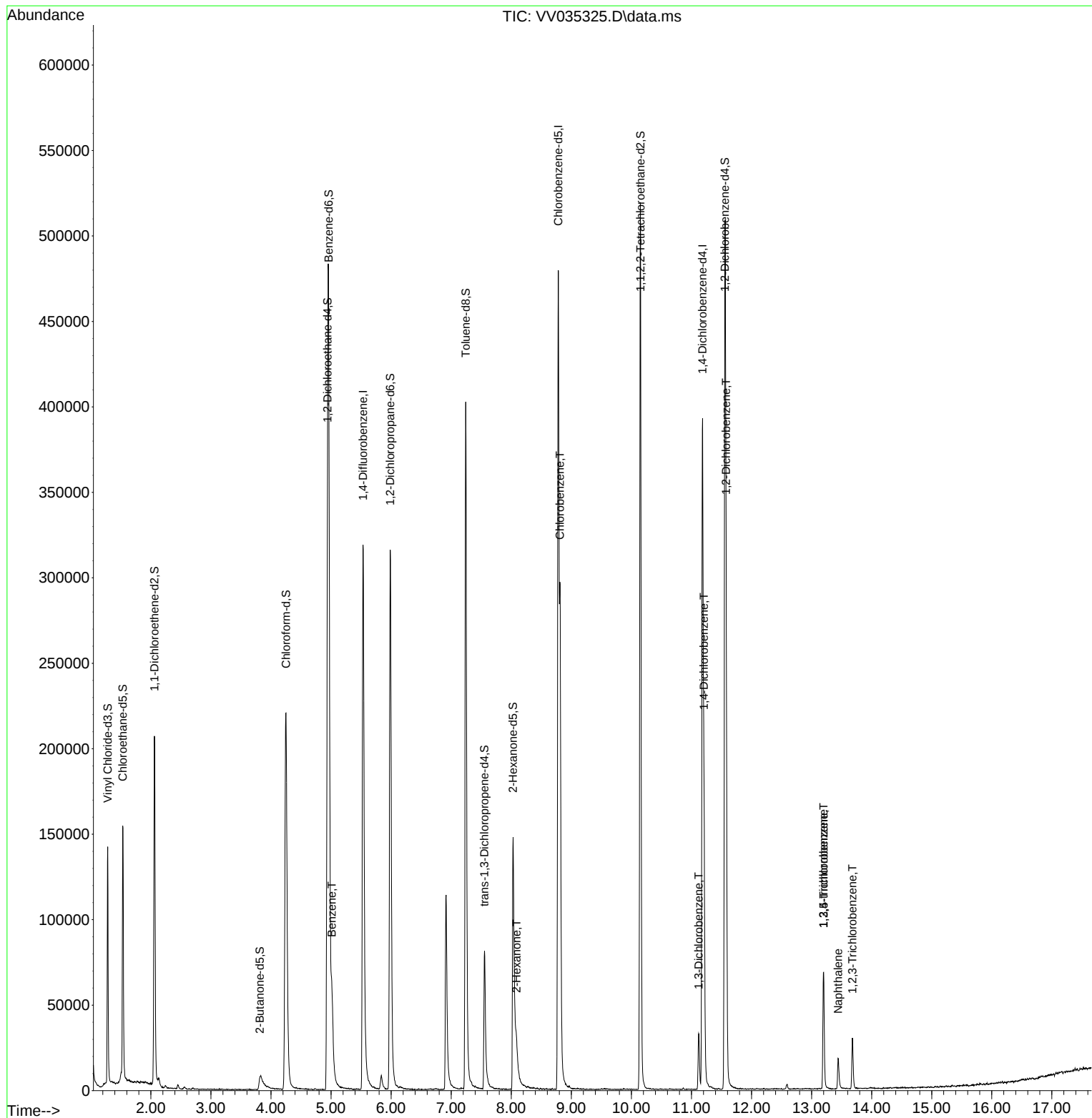
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	290060	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	258200	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	100838	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	89312	31.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	63.760%		
7) Chloroethane-d5	1.532	69	96022	39.465	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.940%		
11) 1,1-Dichloroethene-d2	2.060	65	35738	29.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.200%#		
21) 2-Butanone-d5	3.812	46	40	0.024	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	0.020%#		
24) Chloroform-d	4.249	84	244871	51.992	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.980%		
26) 1,2-Dichloroethane-d4	4.941	65	172334	57.632	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	115.260%		
32) Benzene-d6	4.960	84	416933	48.072	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.140%		
36) 1,2-Dichloropropane-d6	5.986	67	163673	59.428	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	118.860%		
41) Toluene-d8	7.243	98	282215	36.131	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	72.260%#		
43) trans-1,3-Dichloroprop...	7.555	79	53169	39.711	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.420%		
47) 2-Hexanone-d5	8.031	63	50652	48.644	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	48.640%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	257199	67.815	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	135.640%#		
66) 1,2-Dichlorobenzene-d4	11.558	152	120733	53.326	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.660%		
Target Compounds						Qvalue
33) Benzene	5.011	78	56243	6.680	ug/L	100
48) 2-Hexanone	8.088	43	13756	5.444	ug/L #	92
51) Chlorobenzene	8.812	112	156982	27.478	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	14233	4.190	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	69665	20.165	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	97637	28.851	ug/L	97
69) 1,3,5-Trichlorobenzene	13.201	180	22806	9.315	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	22806	10.140	ug/L	98
71) Naphthalene	13.442	128	16377	2.625	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	9787	4.415	ug/L	100

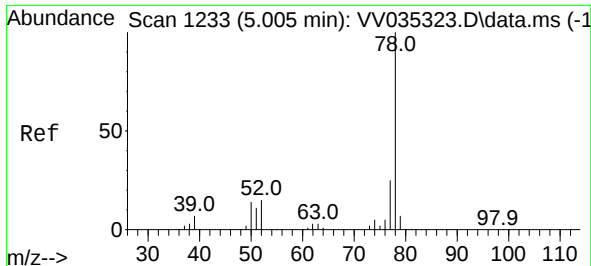
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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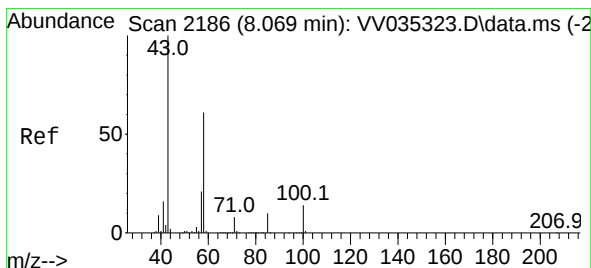
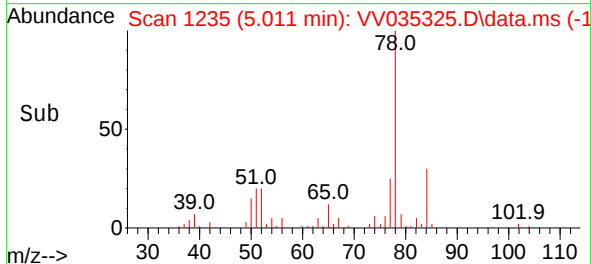
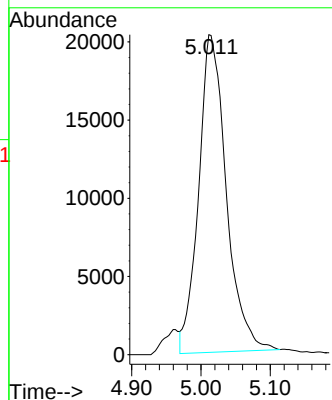
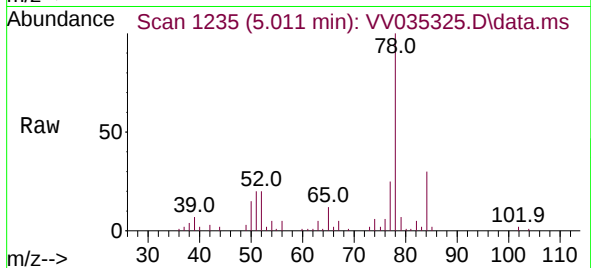




#33
Benzene
Concen: 6.680 ug/L
RT: 5.011 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV035325.D
Acq: 22 Apr 2024 12:12

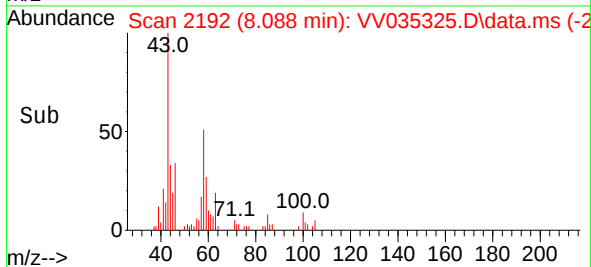
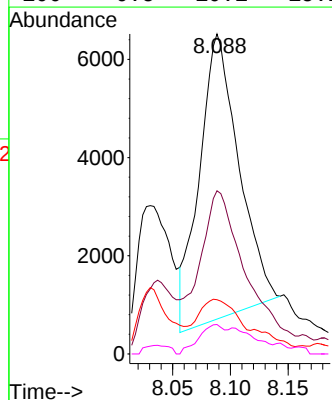
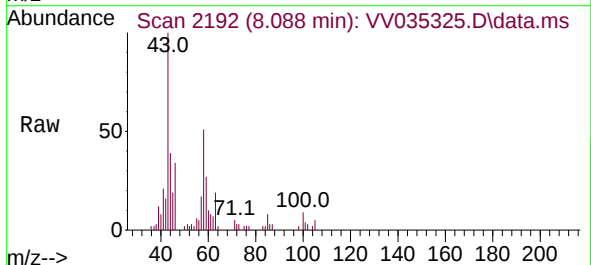
Instrument :
MSVOA_V
ClientSampleId :

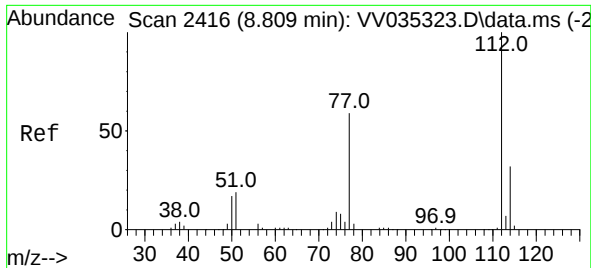
Tgt Ion: 78 Resp: 56243



#48
2-Hexanone
Concen: 5.444 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.019 min
Lab File: VV035325.D
Acq: 22 Apr 2024 12:12

Tgt Ion: 43 Resp: 13756
Ion Ratio Lower Upper
43 100
58 55.6 45.4 68.2
57 11.2 16.2 24.4#
100 6.5 10.1 15.1#

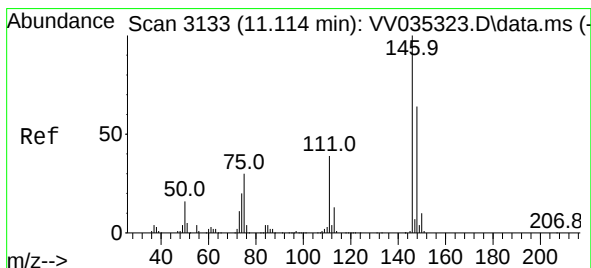
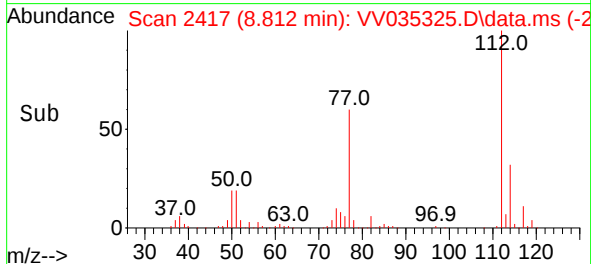
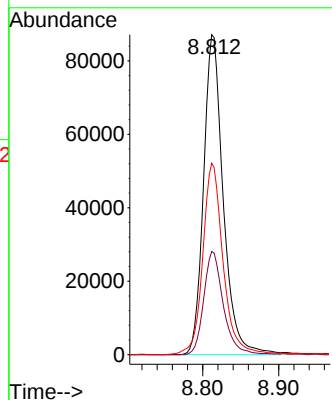
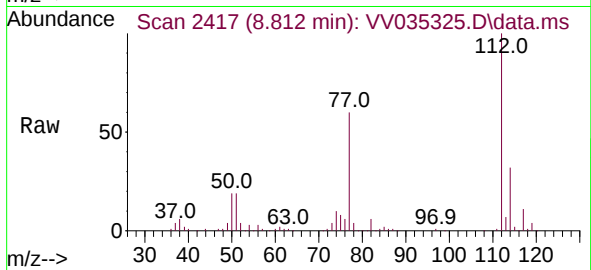




#51
Chlorobenzene
Concen: 27.478 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV035325.D
Acq: 22 Apr 2024 12:12

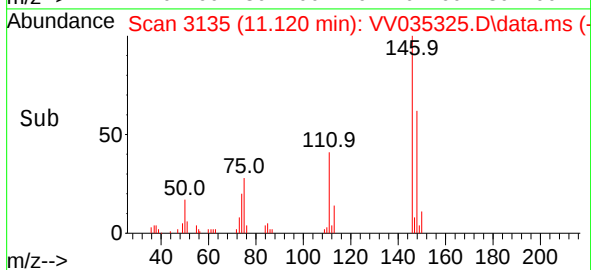
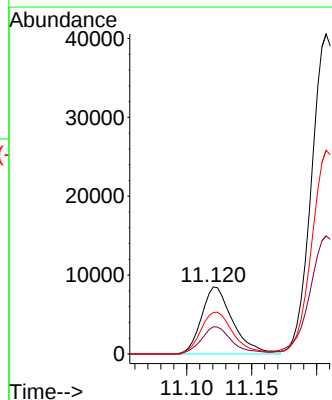
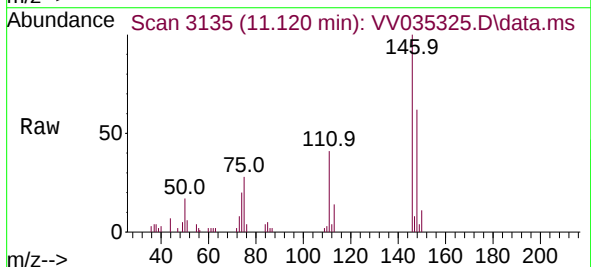
Instrument :
MSVOA_V
ClientSampleId :

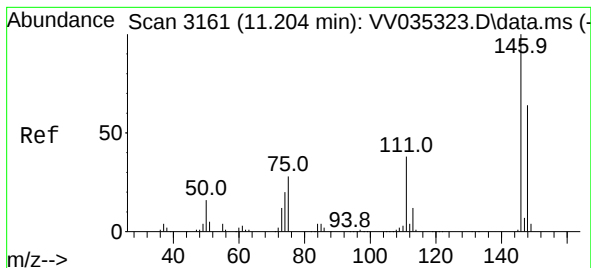
Tgt Ion:112 Resp: 156982
Ion Ratio Lower Upper
112 100
114 32.3 22.0 41.0
77 59.9 47.4 71.2



#64
1,3-Dichlorobenzene
Concen: 4.190 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.006 min
Lab File: VV035325.D
Acq: 22 Apr 2024 12:12

Tgt Ion:146 Resp: 14233
Ion Ratio Lower Upper
146 100
111 40.6 28.7 53.3
148 61.9 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 20.165 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035325.D

Acq: 22 Apr 2024 12:12

Instrument :

MSVOA_V

ClientSampleId :

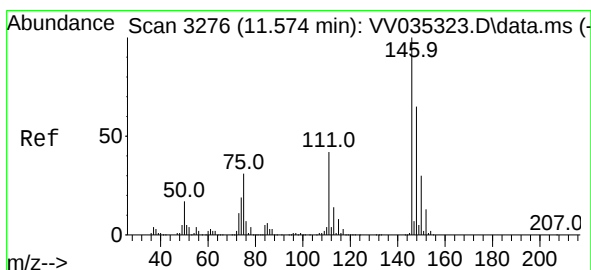
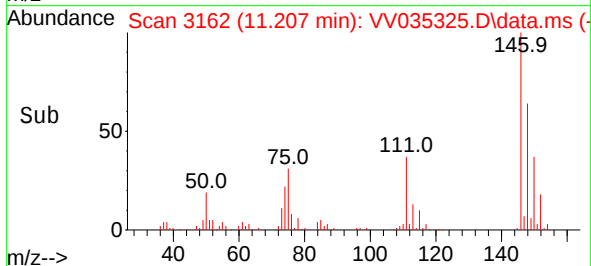
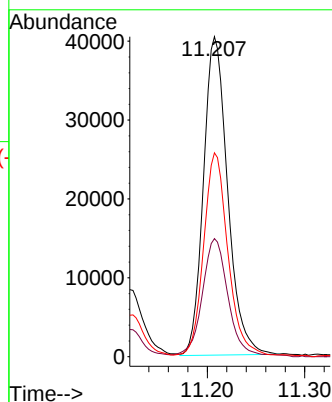
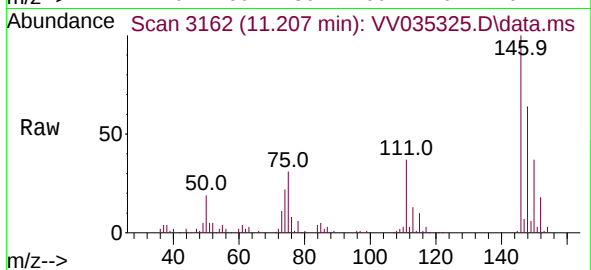
Tgt Ion:146 Resp: 69665

Ion Ratio Lower Upper

146 100

111 36.9 27.4 50.8

148 63.7 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 28.851 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035325.D

Acq: 22 Apr 2024 12:12

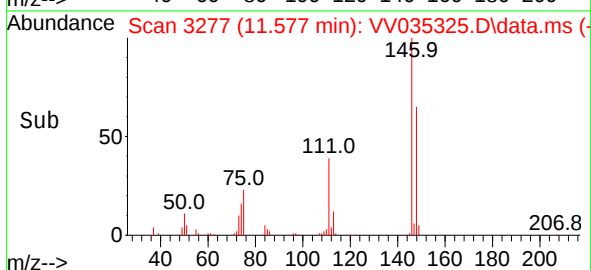
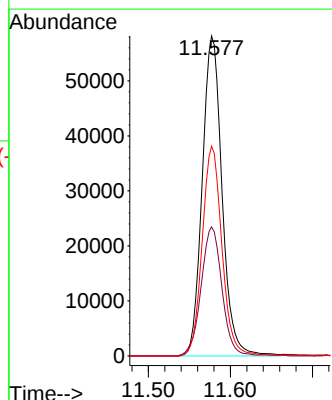
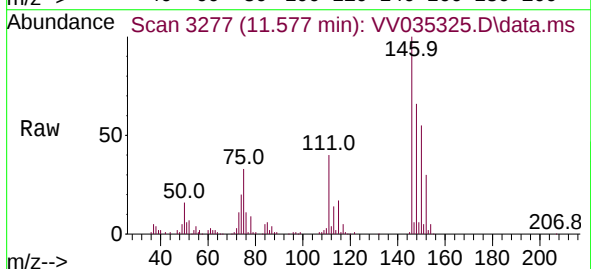
Tgt Ion:146 Resp: 97637

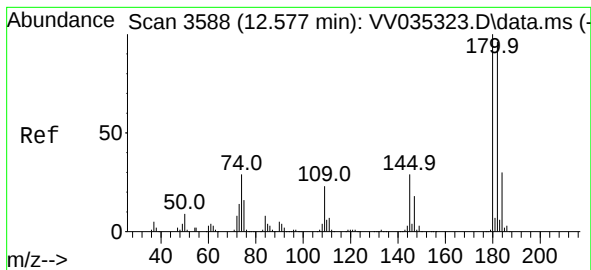
Ion Ratio Lower Upper

146 100

111 40.3 34.6 52.0

148 65.6 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 9.315 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.624 min

Lab File: VV035325.D

Acq: 22 Apr 2024 12:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 22806

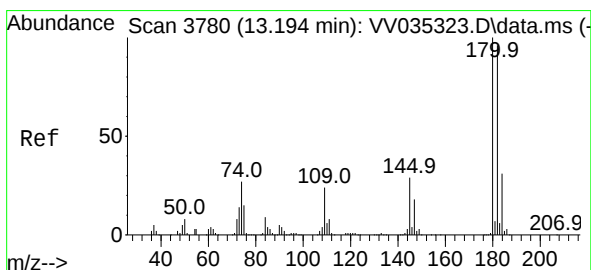
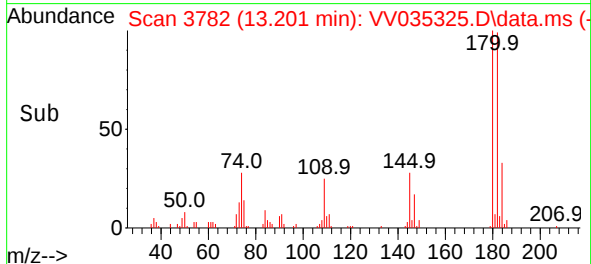
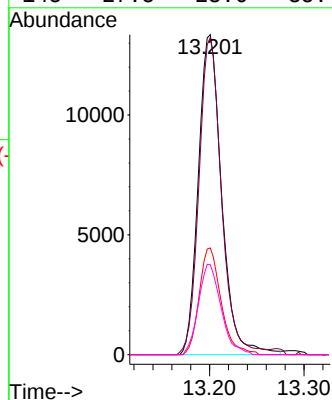
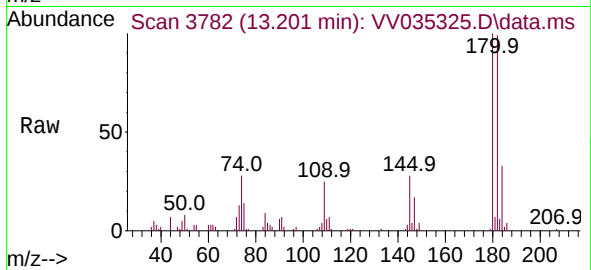
Ion Ratio Lower Upper

180 100

182 95.7 74.7 112.1

184 31.3 24.0 36.0

145 27.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 10.140 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035325.D

Acq: 22 Apr 2024 12:12

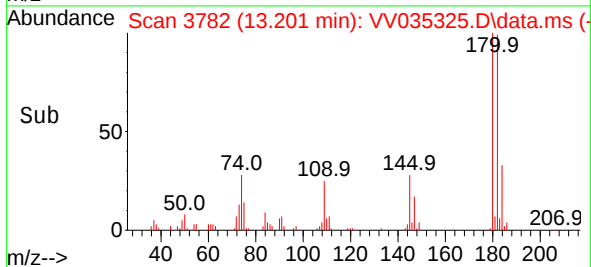
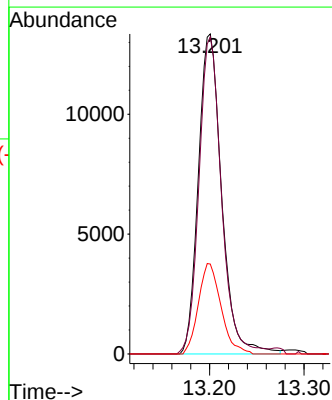
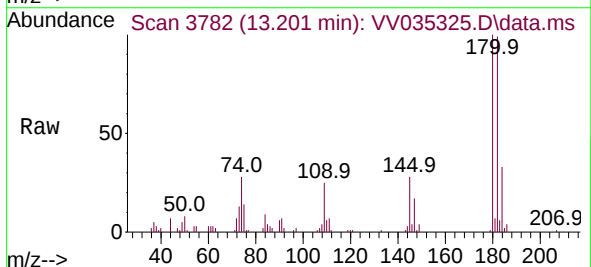
Tgt Ion:180 Resp: 22806

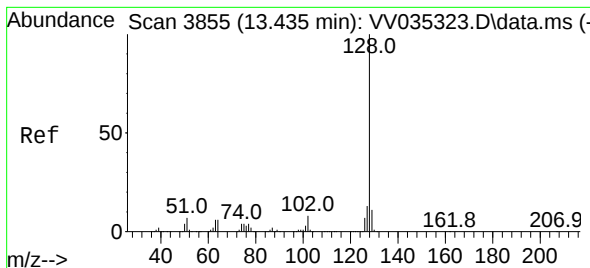
Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

145 27.5 24.1 36.1





#71

Naphthalene

Concen: 2.625 ug/L

RT: 13.442 min Scan# 3855

Delta R.T. 0.006 min

Lab File: VV035325.D

Acq: 22 Apr 2024 12:12

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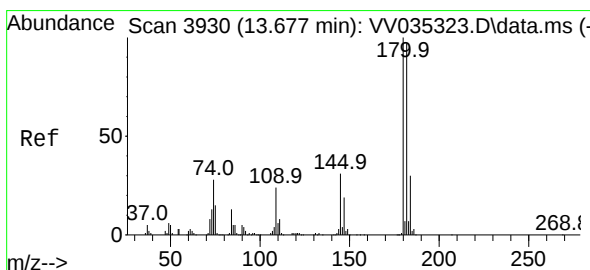
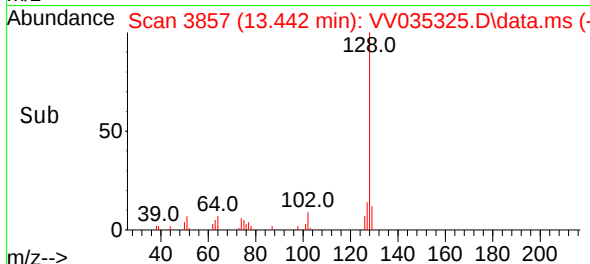
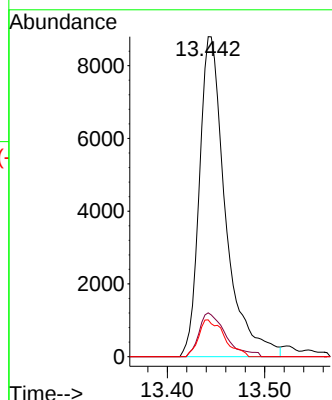
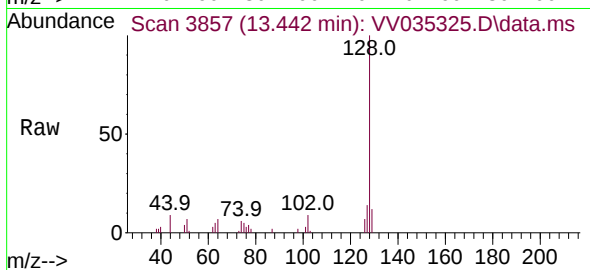
Tgt Ion:128 Resp: 16377

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

129 11.3 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.415 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV035325.D

Acq: 22 Apr 2024 12:12

Tgt Ion:180 Resp: 9787

Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

145 32.0 25.8 38.6

