

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
 Data File : VX044228.D
 Acq On : 11 Dec 2024 14:51
 Operator : JC/MD
 Sample : VX1211WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 04:52:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

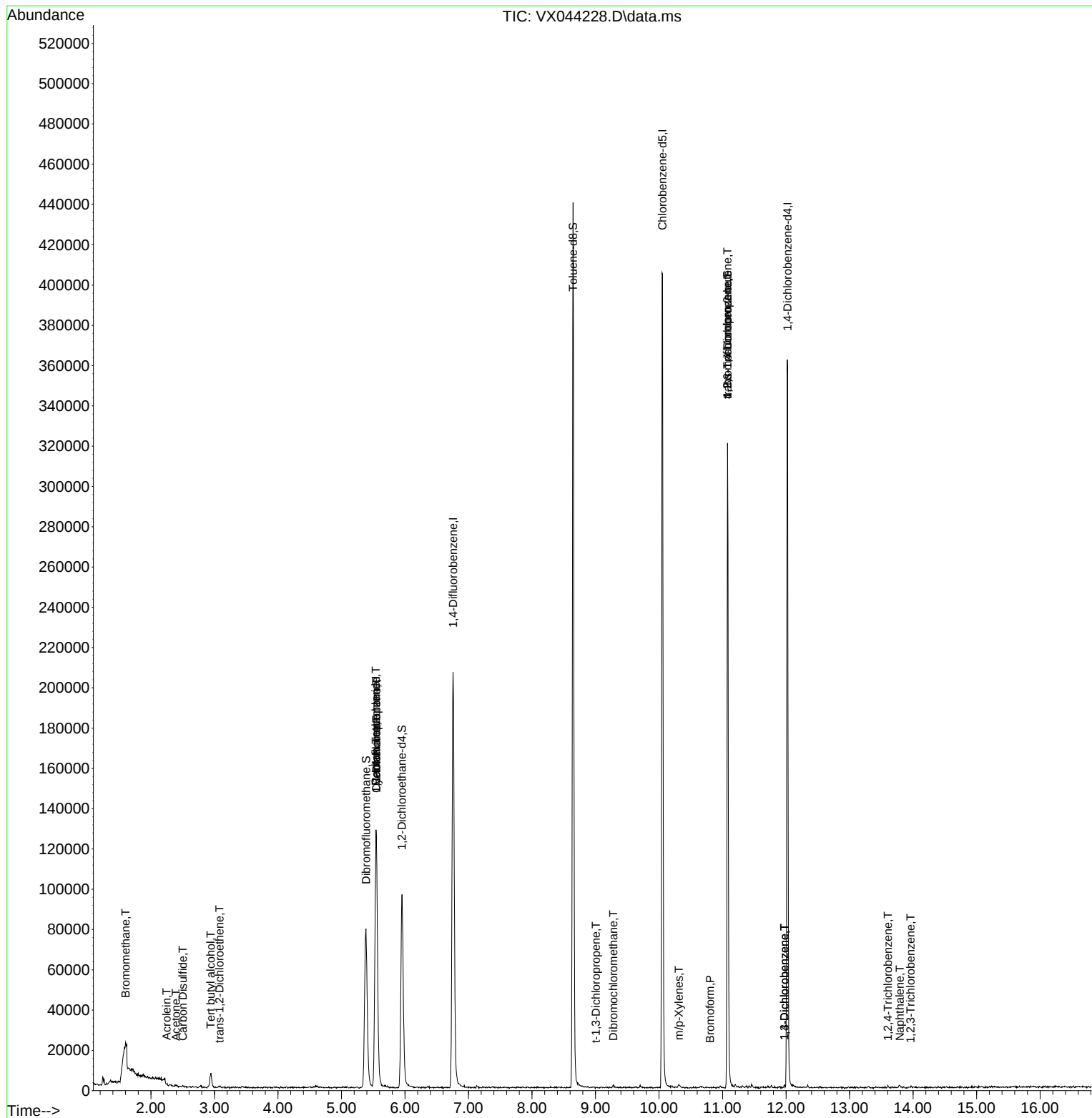
Internal Standards						
1) Pentafluorobenzene	5.544	168	110553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95794	49.420	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.840%		
35) Dibromofluoromethane	5.385	113	68679	47.777	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.560%		
50) Toluene-d8	8.647	98	250096	51.569	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.140%		
62) 4-Bromofluorobenzene	11.079	95	83078	49.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	707	0.585	ug/l #	54
11) Tert butyl alcohol	2.940	59	3784	13.851	ug/l #	72
13) Acrolein	2.245	56	110	0.278	ug/l #	44
16) Acetone	2.392	43	751	0.950	ug/l #	48
17) Carbon Disulfide	2.502	76	972	0.413	ug/l #	72
21) trans-1,2-Dichloroethene	3.081	96	355	0.270	ug/l #	27
31) Cyclohexane	5.550	56	3457	1.652	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	11107	5.977	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13250	6.623	ug/l #	19
53) t-1,3-Dichloropropene	9.006	75	50	1.021	ug/l #	41
60) Dibromochloromethane	9.281	129	302	1.438	ug/l #	11
68) m/p-Xylenes	10.311	106	506	0.205	ug/l	94
71) Bromoform	10.805	173	19	1.253	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	46409	27.905	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	46409	76.620	ug/l #	4
87) 1,3-Dichlorobenzene	11.975	146	606	0.251	ug/l	77
88) 1,4-Dichlorobenzene	11.975	146	606	0.244	ug/l	77
93) 1,2,4-Trichlorobenzene	13.603	180	390	0.284	ug/l #	78
95) Naphthalene	13.792	128	1551	0.289	ug/l #	77
96) 1,2,3-Trichlorobenzene	13.963	180	296	0.203	ug/l #	85

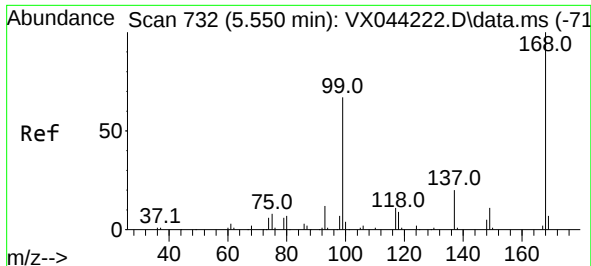
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :

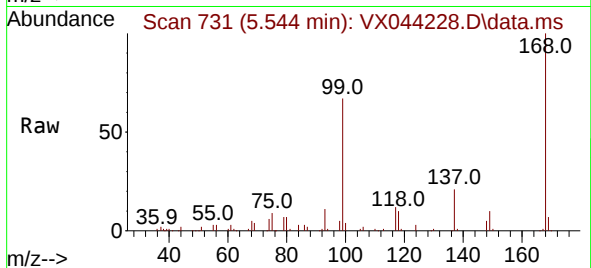
Quant Time: Dec 12 04:52:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



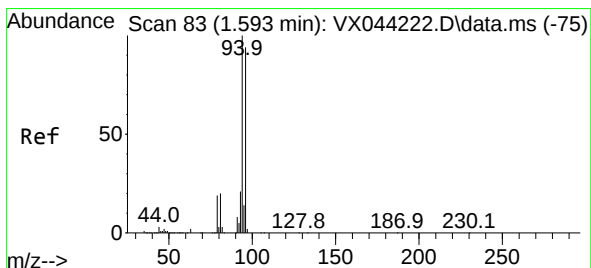
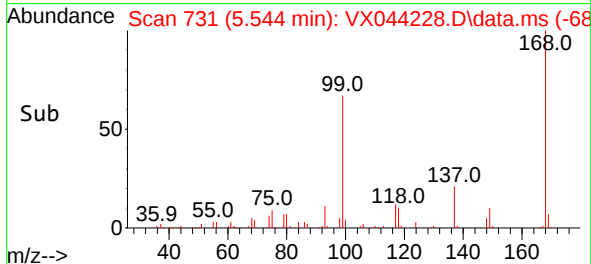
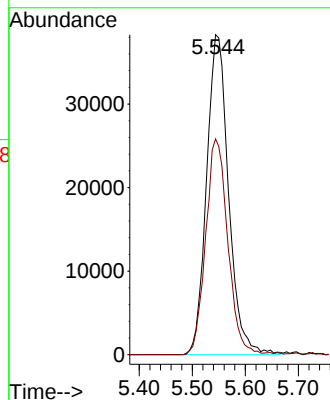


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :

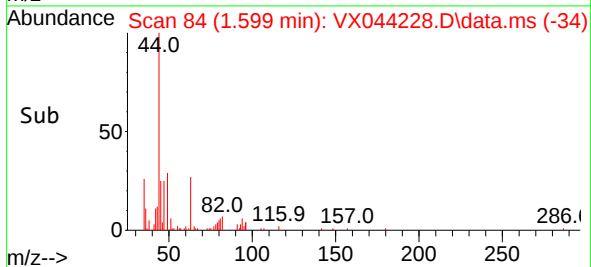
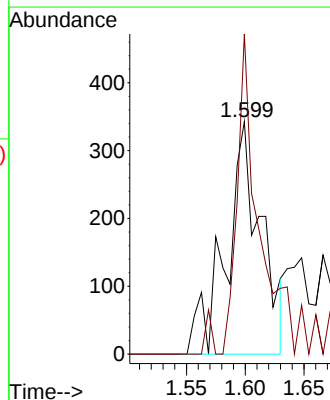
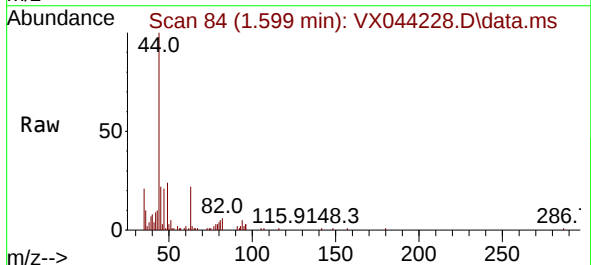


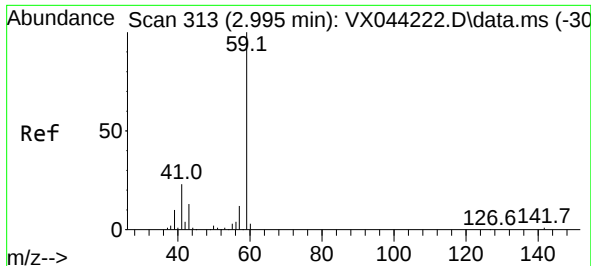
Tgt Ion:168 Resp: 110553
Ion Ratio Lower Upper
168 100
99 67.4 53.4 80.0



#5
Bromomethane
Concen: 0.585 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Tgt Ion: 94 Resp: 707
Ion Ratio Lower Upper
94 100
96 137.6 74.9 112.3#

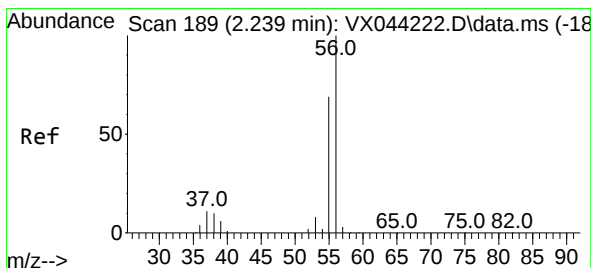
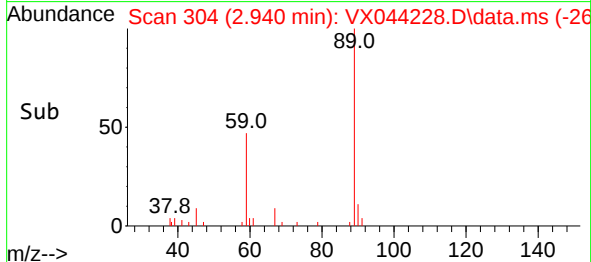
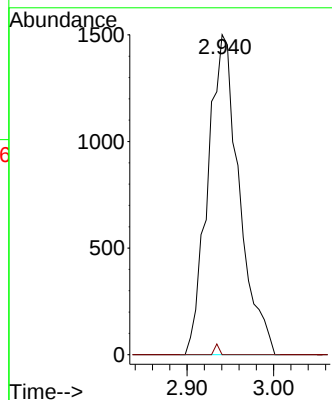
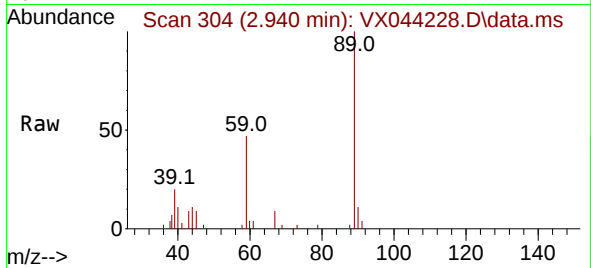




#11
Tert butyl alcohol
Concen: 13.851 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

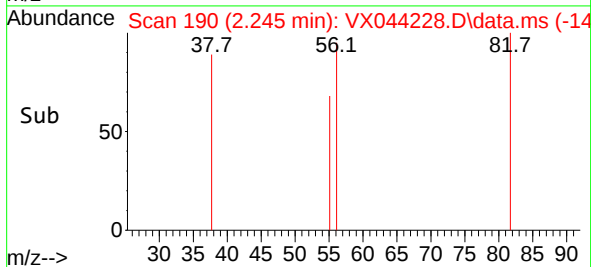
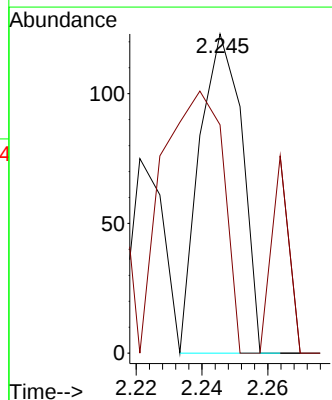
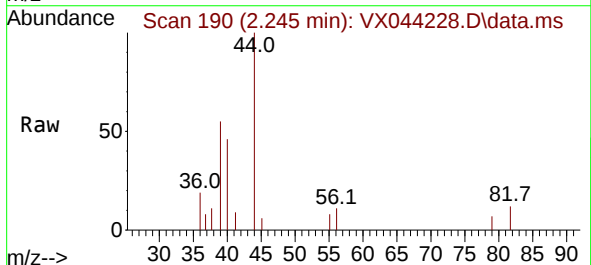
Instrument :
MSVOA_X
ClientSampleId :

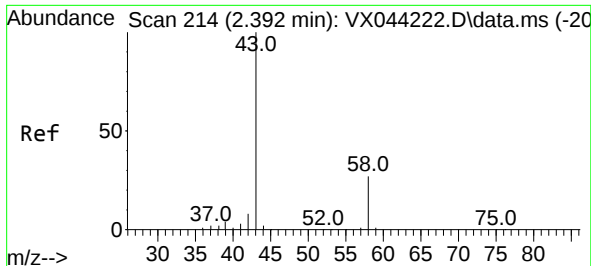
Tgt Ion: 59 Resp: 3784
Ion Ratio Lower Upper
59 100
57 0.5 8.8 13.2#



#13
Acrolein
Concen: 0.278 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 117.3 56.6 84.8#

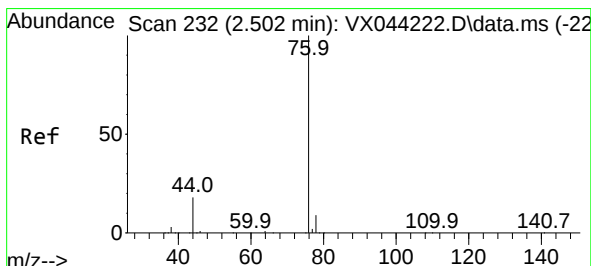
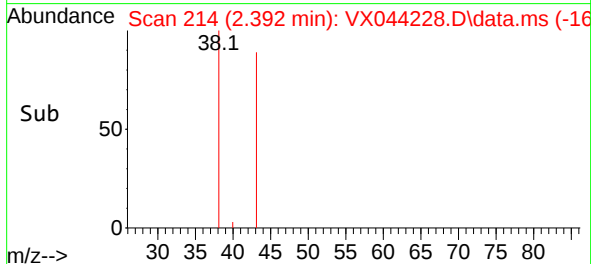
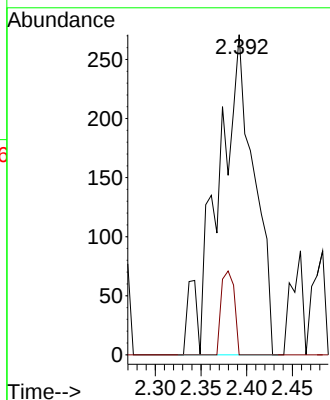
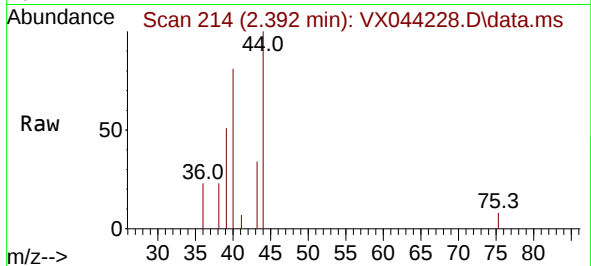




#16
Acetone
Concen: 0.950 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

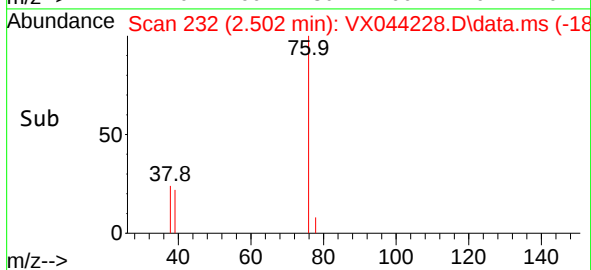
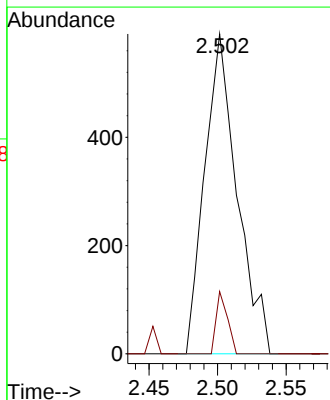
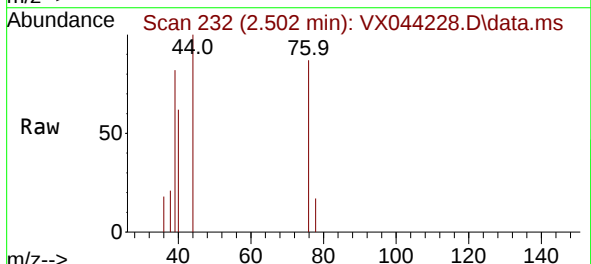
Instrument :
MSVOA_X
ClientSampleId :

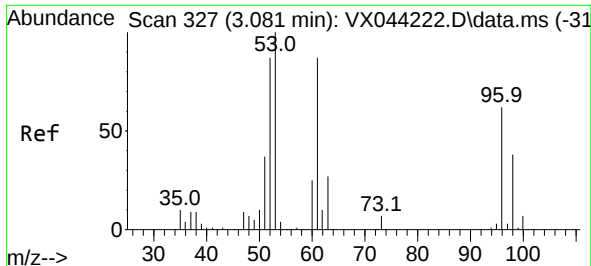
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

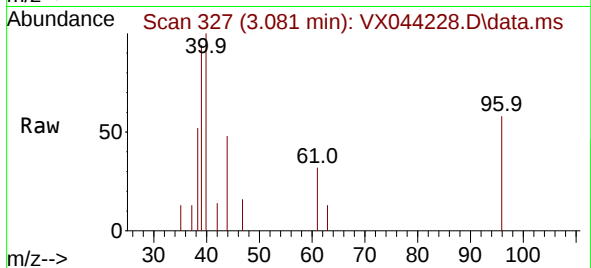
Tgt Ion: 76 Resp: 972
Ion Ratio Lower Upper
76 100
78 19.5 7.4 11.0#



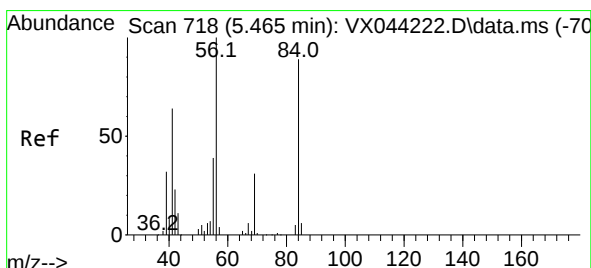
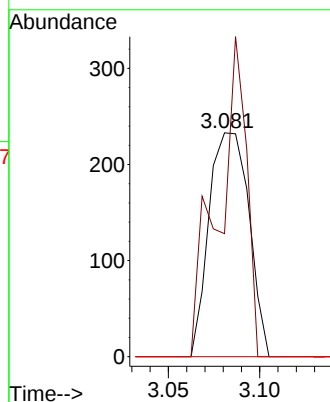
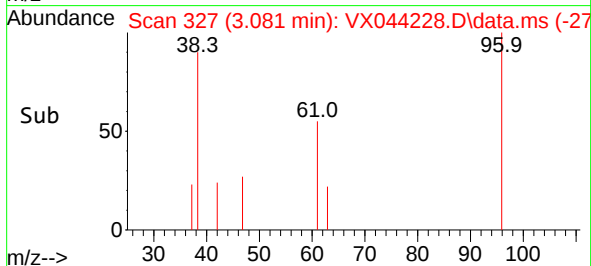


#21
trans-1,2-Dichloroethene
Concen: 0.270 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

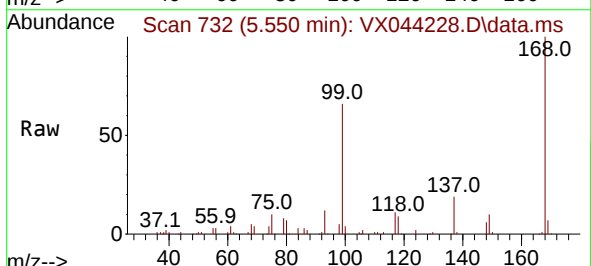
Instrument :
MSVOA_X
ClientSampleId :



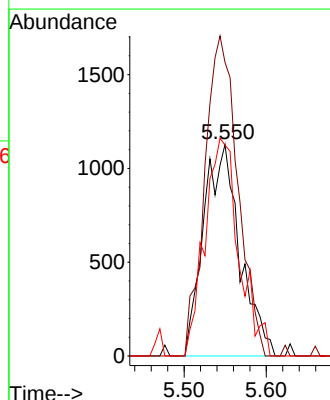
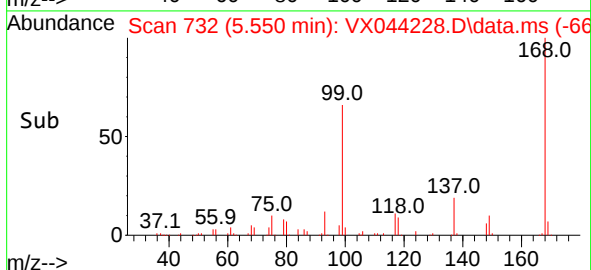
Tgt Ion: 96 Resp: 355
Ion Ratio Lower Upper
96 100
61 54.9 112.0 168.0#
98 0.0 48.8 73.2#

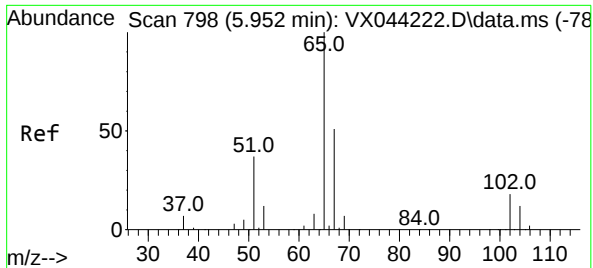


#31
Cyclohexane
Concen: 1.652 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51



Tgt Ion: 56 Resp: 3457
Ion Ratio Lower Upper
56 100
69 138.7 24.7 37.1#
84 99.6 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 49.420 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

Instrument :

MSVOA_X

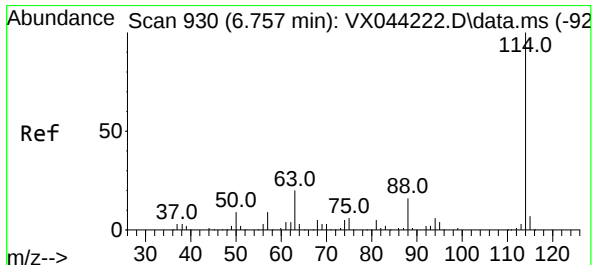
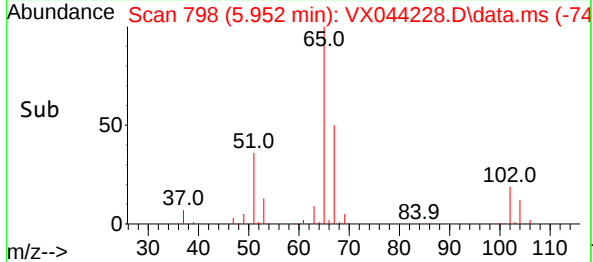
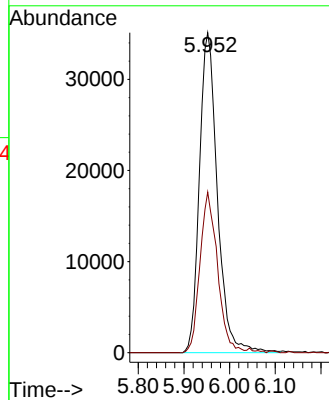
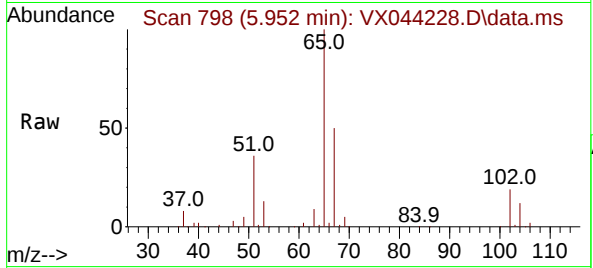
ClientSampleId :

Tgt Ion: 65 Resp: 95794

Ion Ratio Lower Upper

65 100

67 48.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

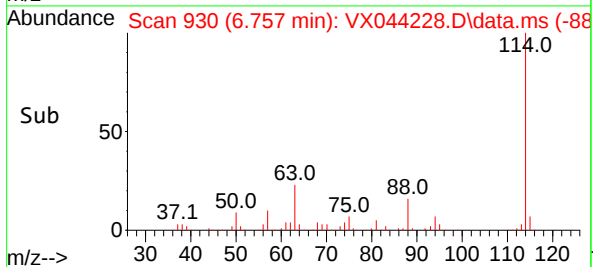
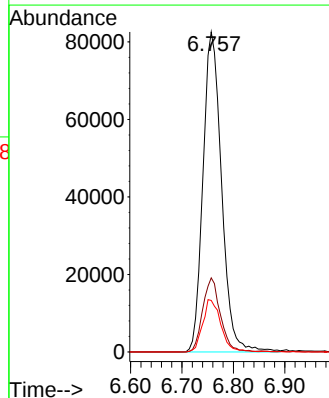
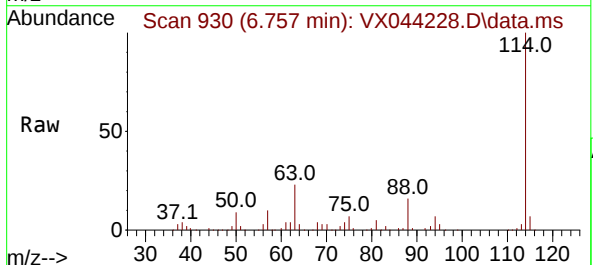
Tgt Ion: 114 Resp: 207554

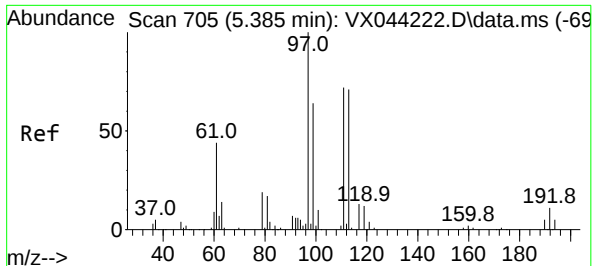
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.6

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.777 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :

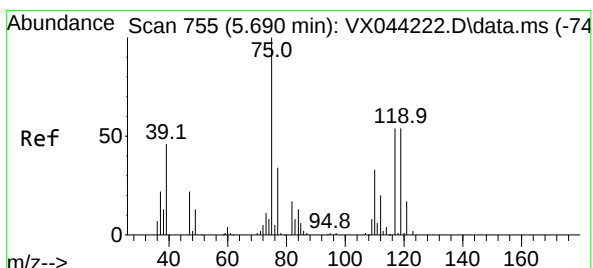
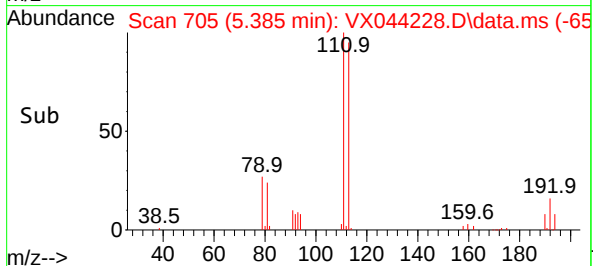
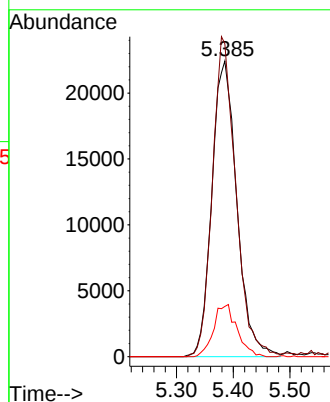
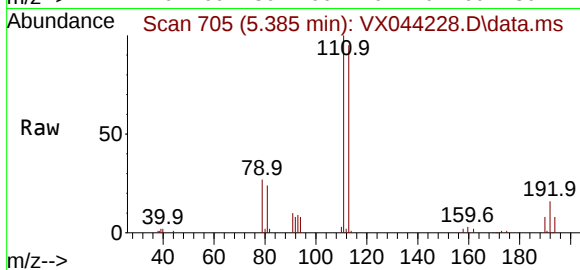
Tgt Ion:113 Resp: 68679

Ion Ratio Lower Upper

113 100

111 101.2 80.4 120.6

192 16.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.977 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

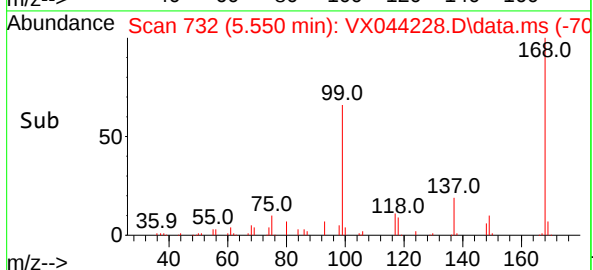
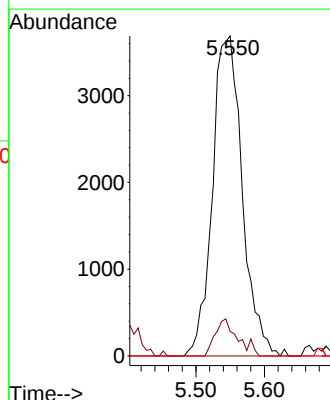
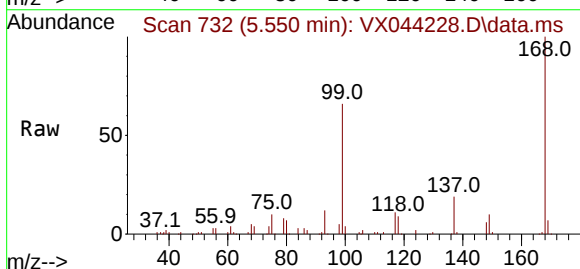
Tgt Ion: 75 Resp: 11107

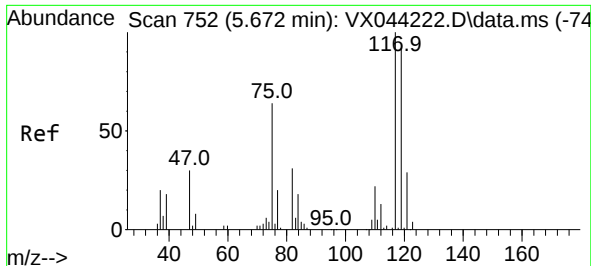
Ion Ratio Lower Upper

75 100

110 8.7 17.3 51.7#

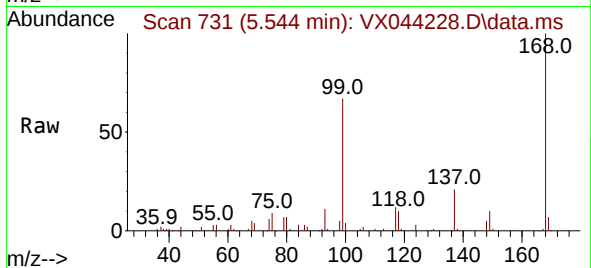
77 0.0 25.4 38.0#



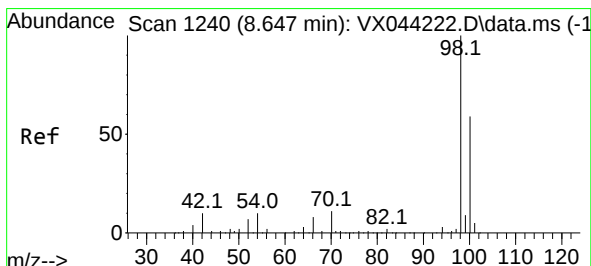
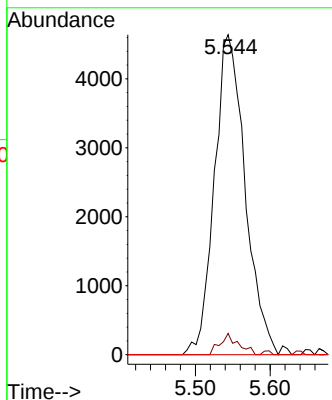
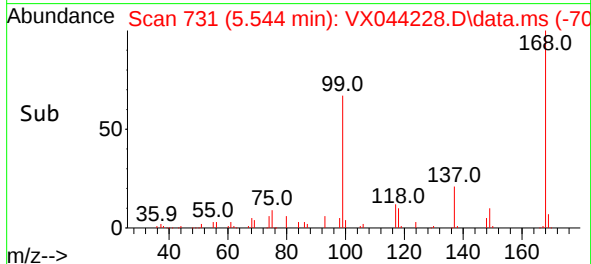


#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :

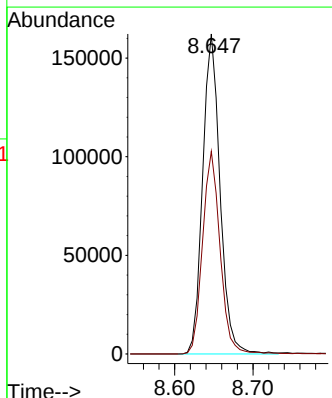
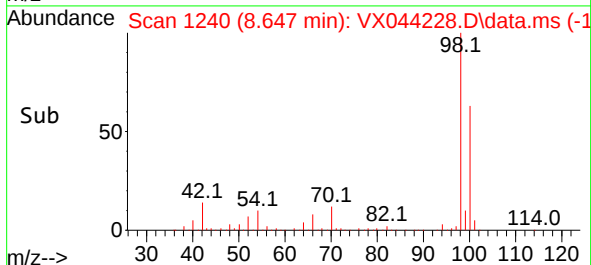
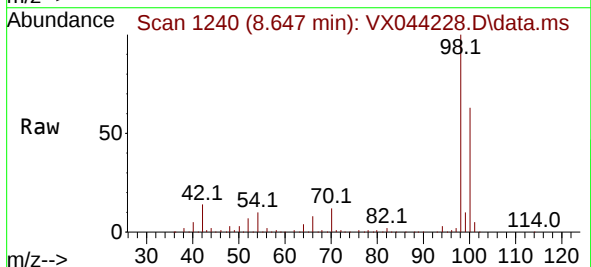


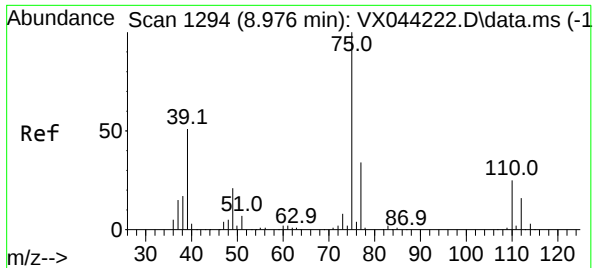
Tgt Ion:117 Resp: 13250
Ion Ratio Lower Upper
117 100
119 6.7 74.2 111.4#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 51.569 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Tgt Ion: 98 Resp: 250096
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3





#53

t-1,3-Dichloropropene

Concen: 1.021 ug/l

RT: 9.006 min Scan# 11

Delta R.T. 0.030 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

Instrument :

MSVOA_X

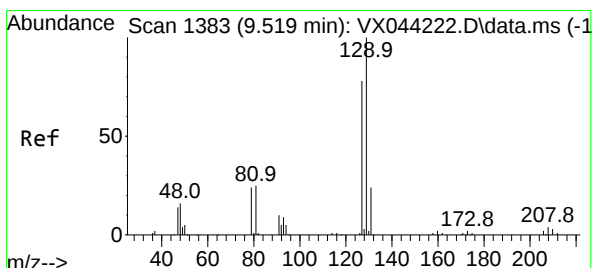
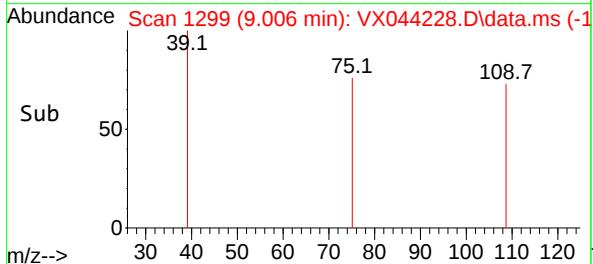
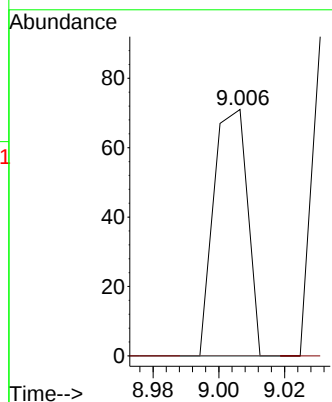
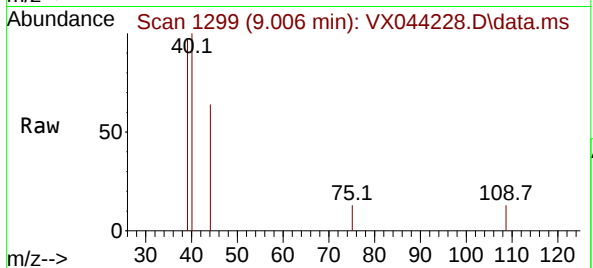
ClientSampleId :

Tgt Ion: 75 Resp: 50

Ion Ratio Lower Upper

75 100

77 0.0 27.2 40.8#



#60

Dibromochloromethane

Concen: 1.438 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.238 min

Lab File: VX044228.D

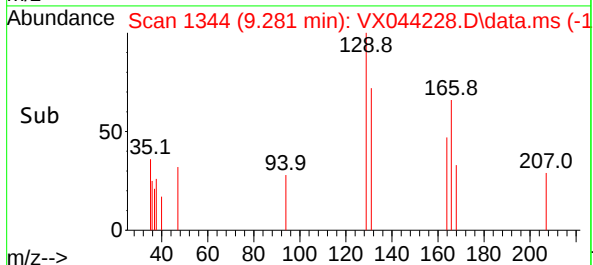
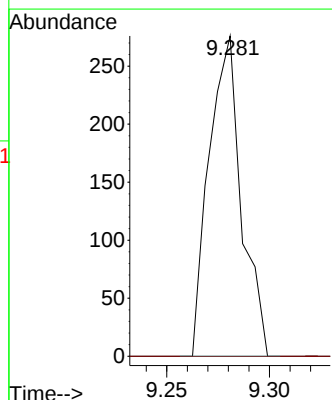
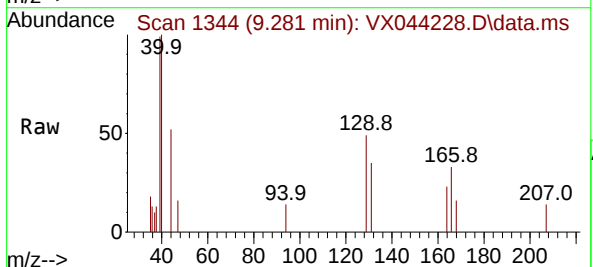
Acq: 11 Dec 2024 14:51

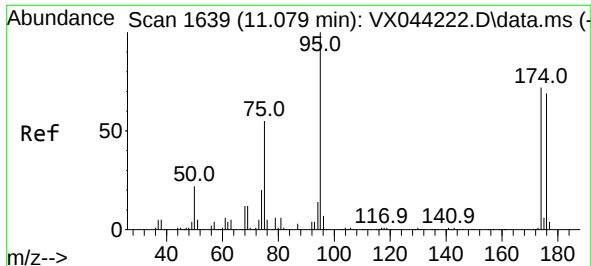
Tgt Ion:129 Resp: 302

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

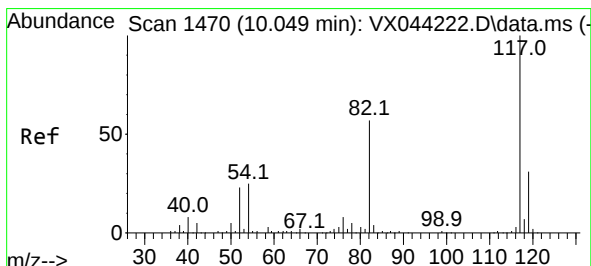
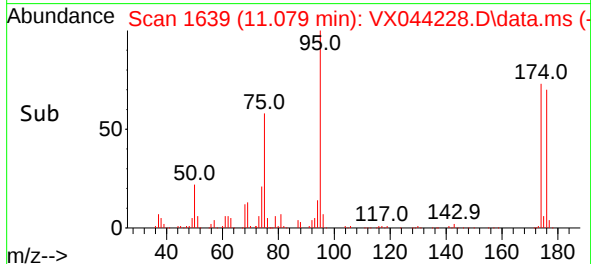
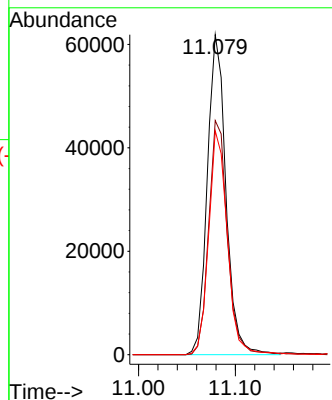
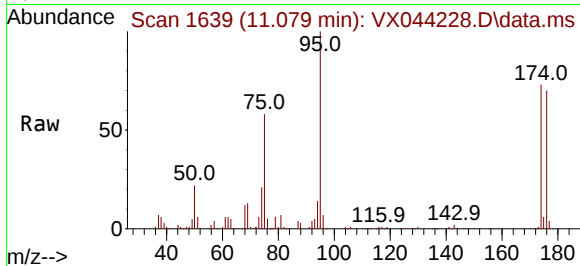




#62
4-Bromofluorobenzene
Concen: 49.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

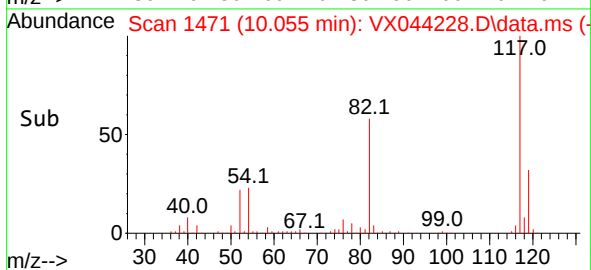
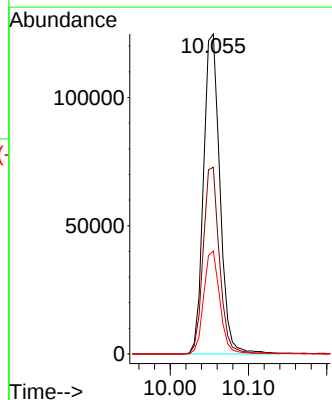
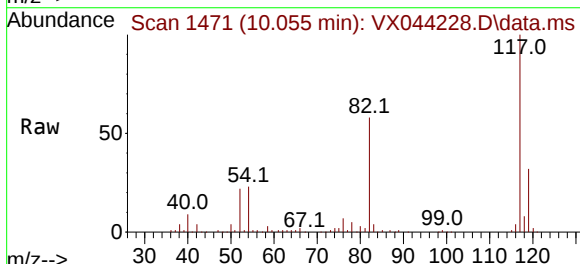
Instrument :
MSVOA_X
ClientSampleId :

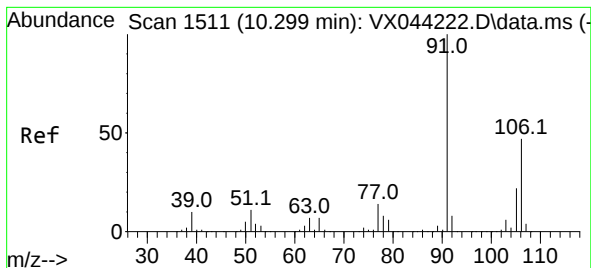
Tgt Ion: 95 Resp: 83078
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.8
176 70.2 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Tgt Ion: 117 Resp: 181474
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.8
119 32.1 25.0 37.4

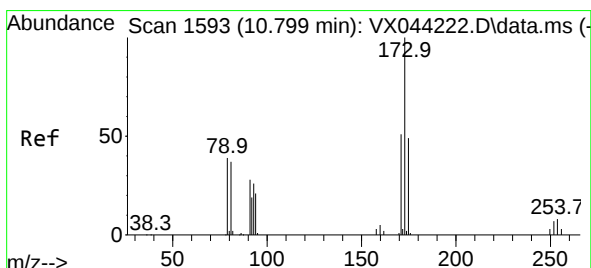
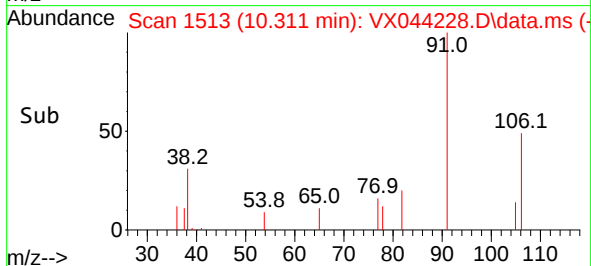
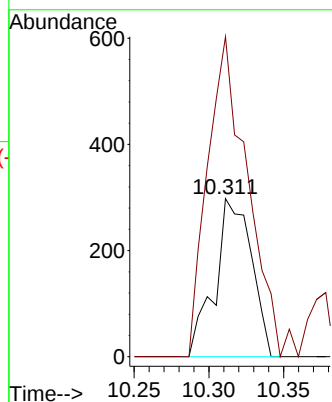
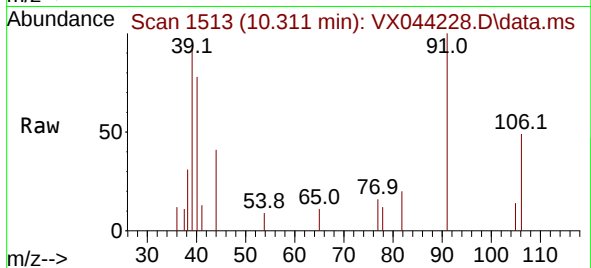




#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

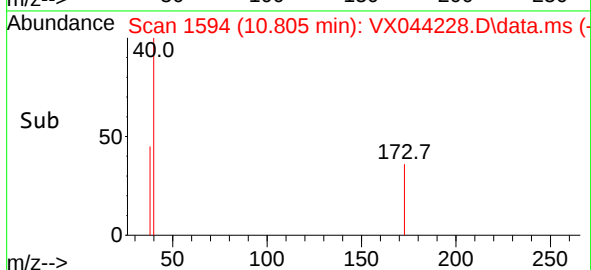
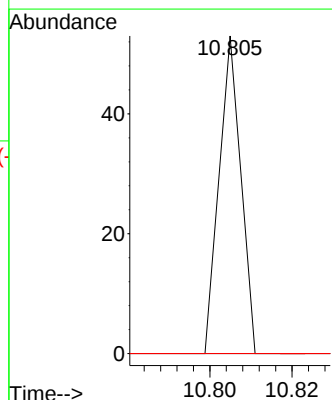
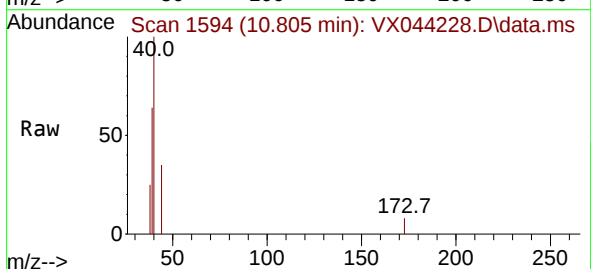
Instrument :
MSVOA_X
ClientSampleId :

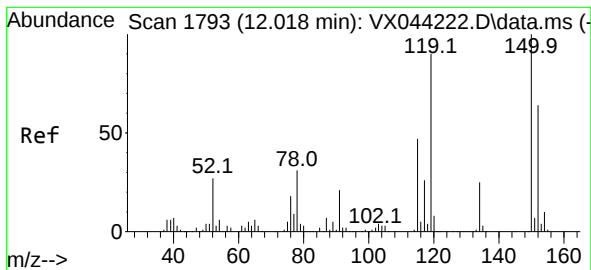
Tgt Ion:106 Resp: 506
Ion Ratio Lower Upper
106 100
91 222.7 170.2 255.2



#71
Bromoform
Concen: 1.253 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Tgt Ion:173 Resp: 19
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :

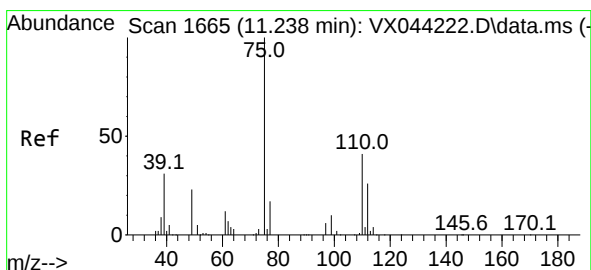
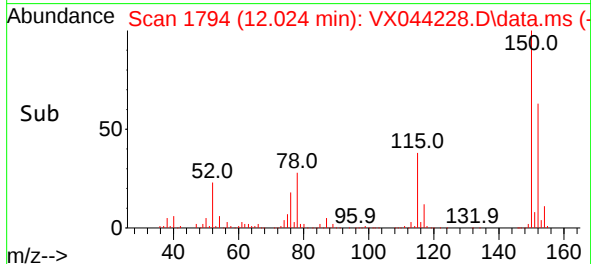
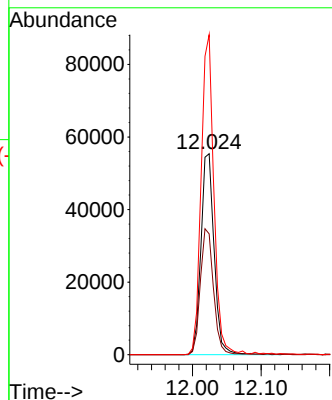
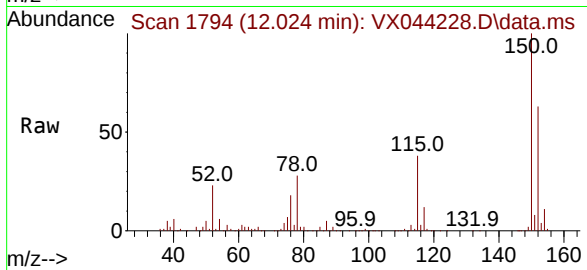
Tgt Ion:152 Resp: 74486

Ion Ratio Lower Upper

152 100

115 62.7 44.5 133.3

150 153.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 27.905 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044228.D

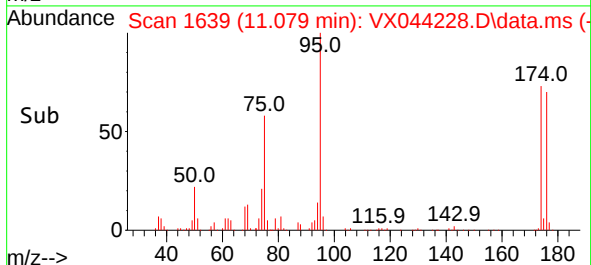
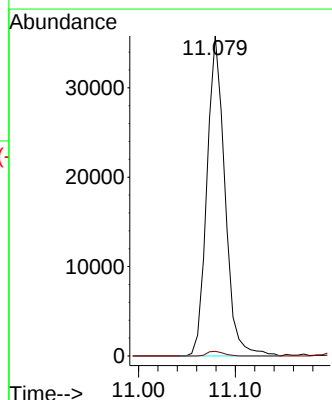
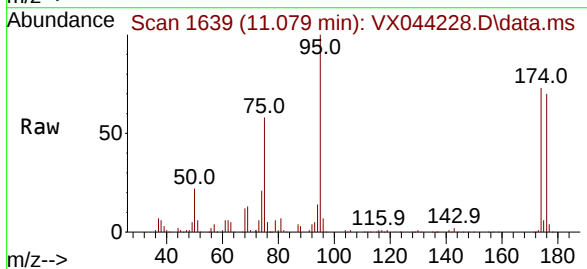
Acq: 11 Dec 2024 14:51

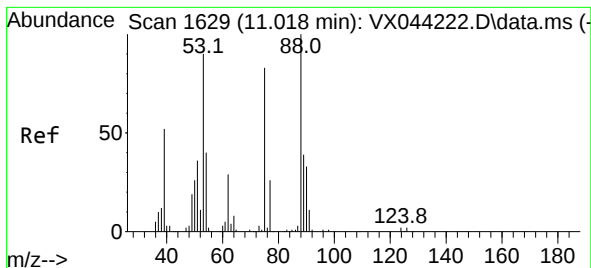
Tgt Ion: 75 Resp: 46409

Ion Ratio Lower Upper

75 100

77 1.3 20.9 62.7#

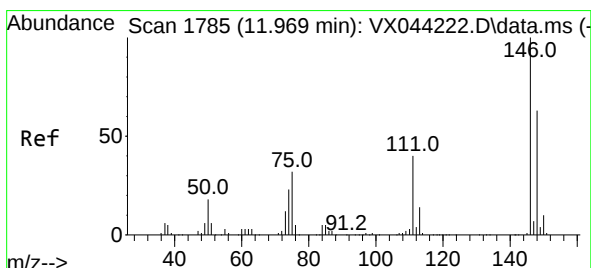
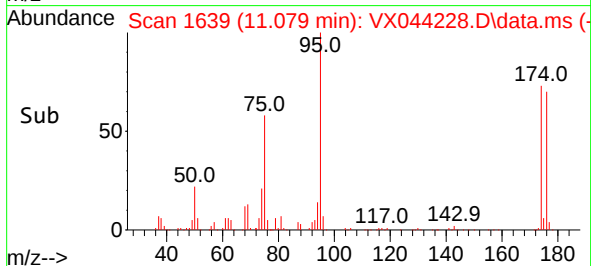
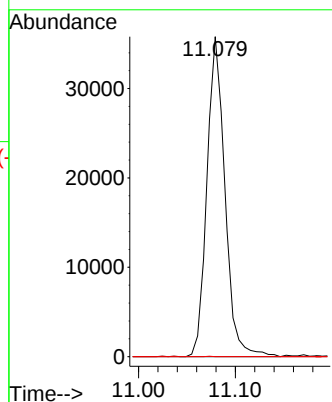
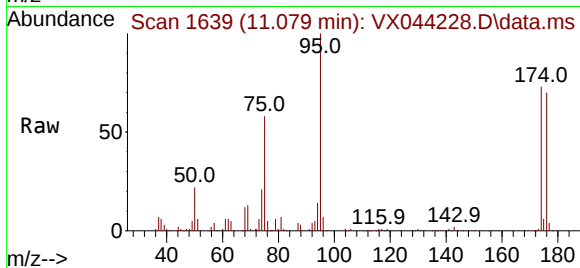




#81
trans-1,4-Dichloro-2-butene
Concen: 76.620 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

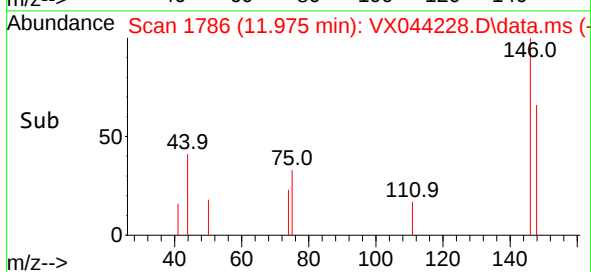
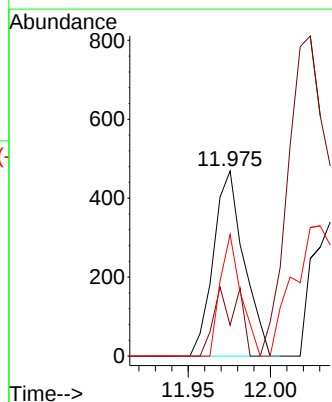
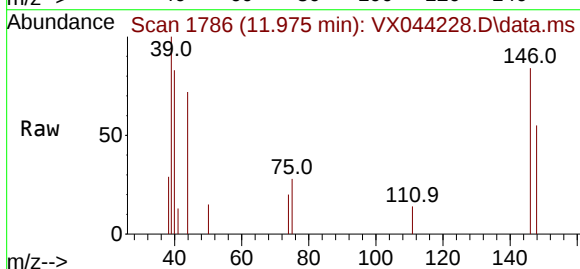
Instrument :
MSVOA_X
ClientSampleId :

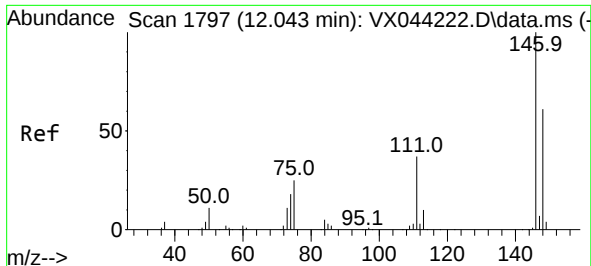
Tgt Ion: 75 Resp: 46409
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#



#87
1,3-Dichlorobenzene
Concen: 0.251 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

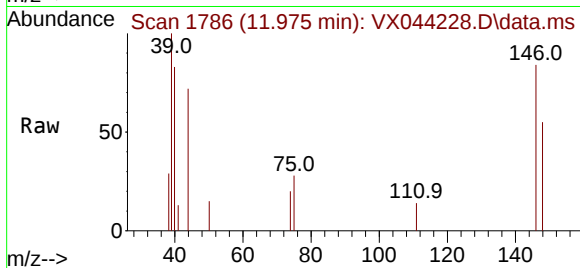
Tgt Ion:146 Resp: 606
Ion Ratio Lower Upper
146 100
111 29.4 21.4 64.2
148 44.7 31.7 95.1



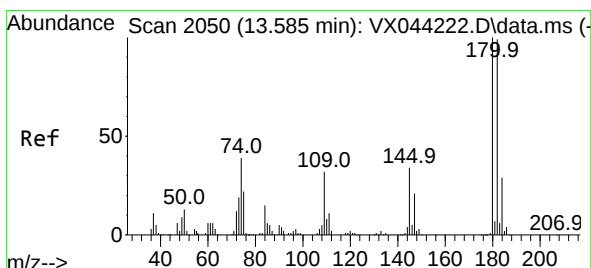
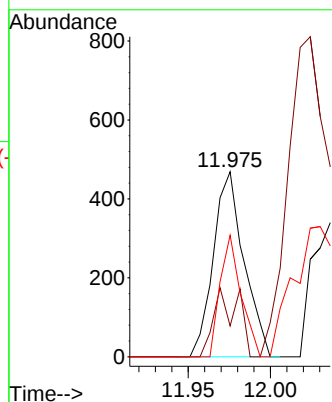
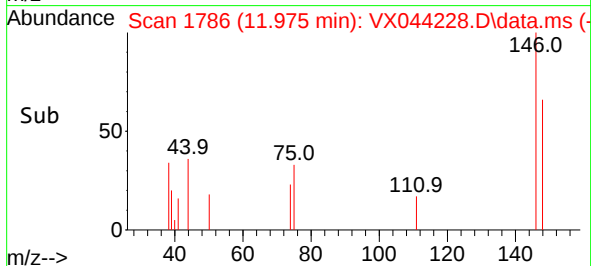


#88
1,4-Dichlorobenzene
Concen: 0.244 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :

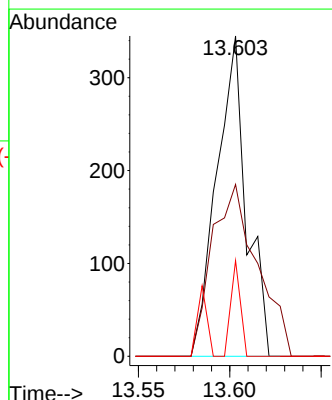
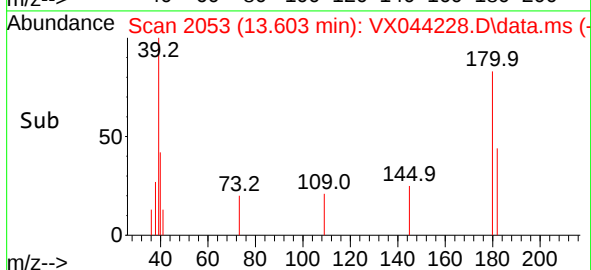
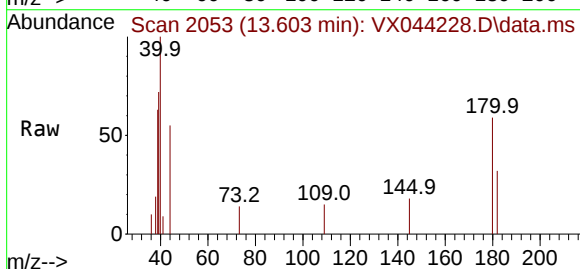


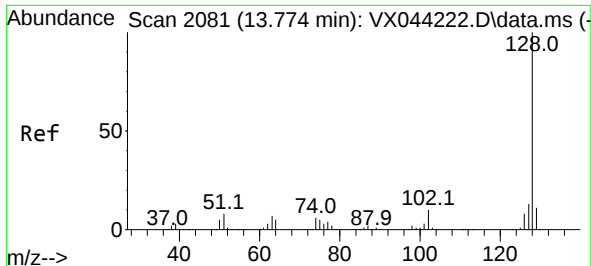
Tgt Ion:146 Resp: 606
Ion Ratio Lower Upper
146 100
111 29.4 21.0 63.0
148 44.7 32.3 96.8



#93
1,2,4-Trichlorobenzene
Concen: 0.284 ug/l
RT: 13.603 min Scan# 2053
Delta R.T. 0.018 min
Lab File: VX044228.D
Acq: 11 Dec 2024 14:51

Tgt Ion:180 Resp: 390
Ion Ratio Lower Upper
180 100
182 81.3 48.0 144.2
145 9.7 16.6 49.7#





#95

Naphthalene

Concen: 0.289 ug/l

RT: 13.792 min Scan# 2084

Delta R.T. 0.018 min

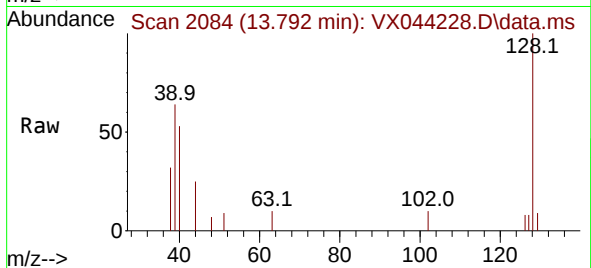
Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

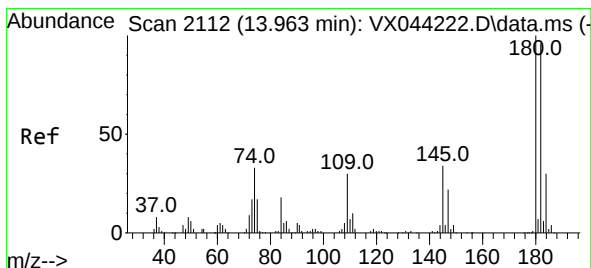
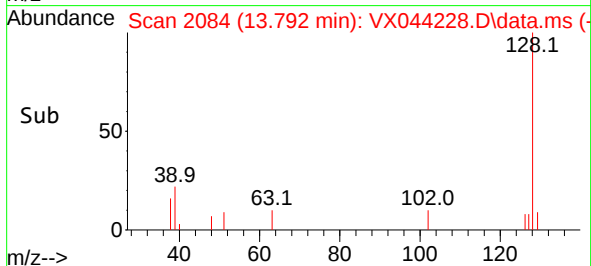
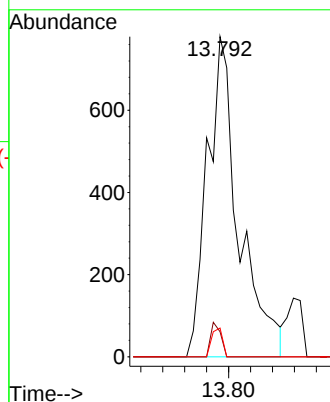
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	128	Resp:	1551
Ion	Ratio	Lower	Upper
128	100		
127	3.4	10.5	15.7#
129	3.1	9.0	13.4#



#96

1,2,3-Trichlorobenzene

Concen: 0.203 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX044228.D

Acq: 11 Dec 2024 14:51

Tgt Ion:	180	Resp:	296
Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.0	144.0
145	6.4	17.7	53.1#

