

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101621\
 Data File : VX024837.D
 Acq On : 15 Oct 2021 18:55
 Operator : JC/MD
 Sample : M4251-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 01:44:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 03:51:38 2021
 Response via : Initial Calibration

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

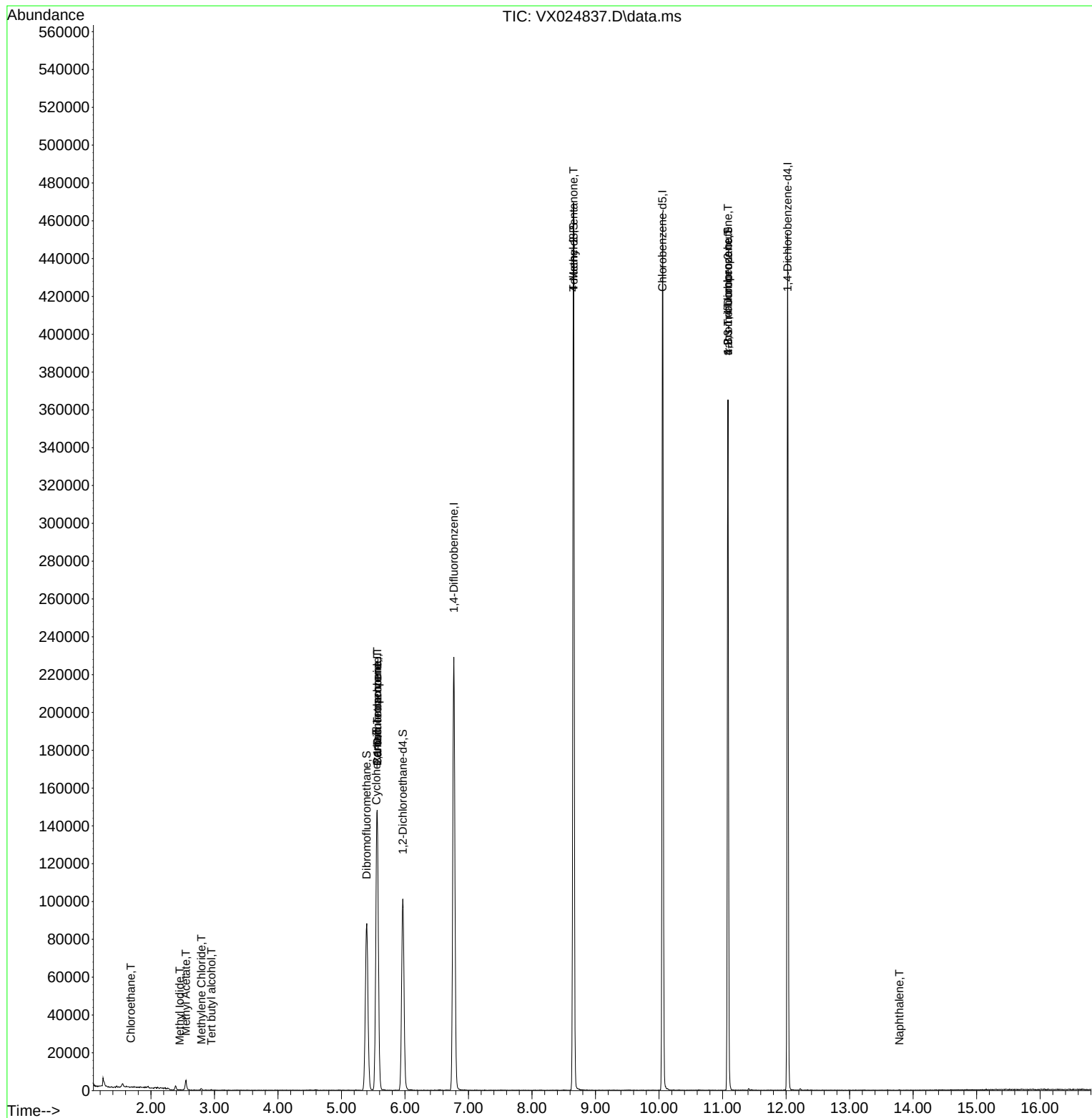
Internal Standards						
1) Pentafluorobenzene	5.562	168	140474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104101	60.294	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.580%#			
35) Dibromofluoromethane	5.397	113	77031	55.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.860%			
50) Toluene-d8	8.653	98	276086	54.189	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.380%			
62) 4-Bromofluorobenzene	11.085	95	94453	47.136	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.280%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	328	Below Cal	#	62
6) Chloroethane	1.685	64	183	0.220	ug/l #	43
10) Methyl Iodide	2.453	142	320	1.100	ug/l #	44
11) Tert butyl alcohol	2.953	59	107	0.294	ug/l #	72
16) Acetone	2.386	43	2333	Below Cal		92
18) Methyl Acetate	2.550	43	1618	0.568	ug/l #	52
20) Methylene Chloride	2.794	84	341	0.233	ug/l #	77
31) Cyclohexane	5.550	56	2729	1.186	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	11081	5.412	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14765	6.436	ug/l #	18
51) 4-Methyl-2-Pentanone	8.653	43	1069	0.441	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	49259	25.668	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	49259	69.134	ug/l #	9
95) Naphthalene	13.786	128	193	0.284	ug/l #	69

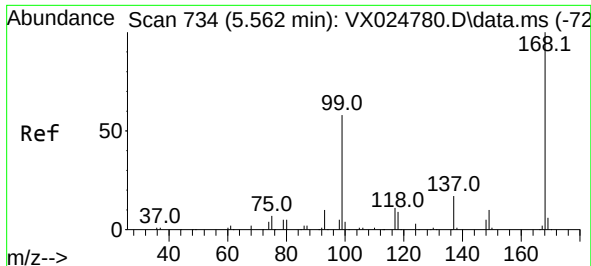
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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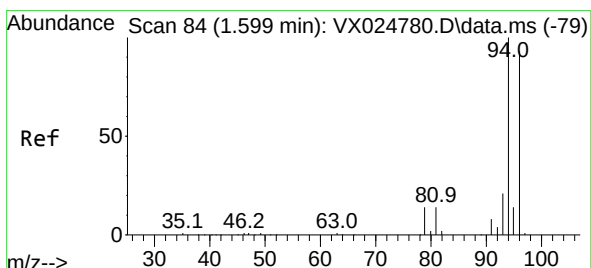
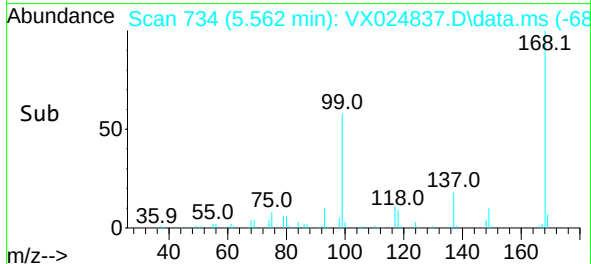
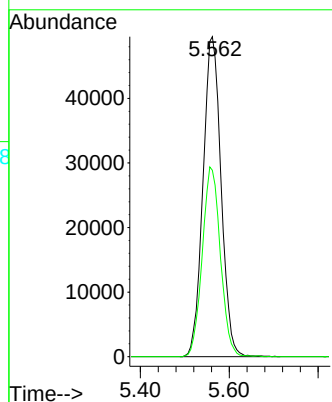
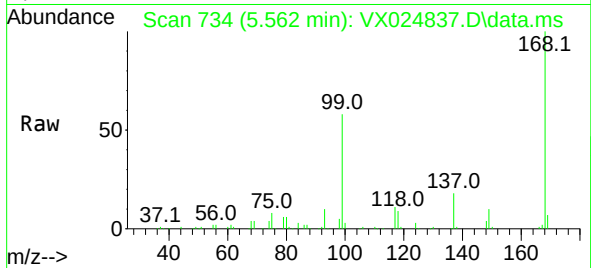




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

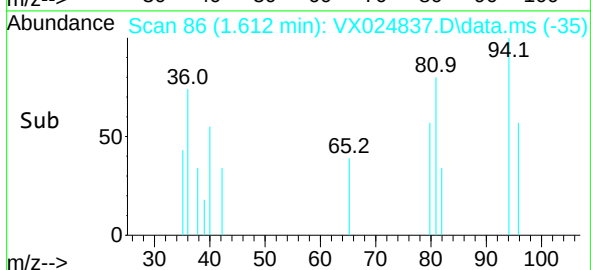
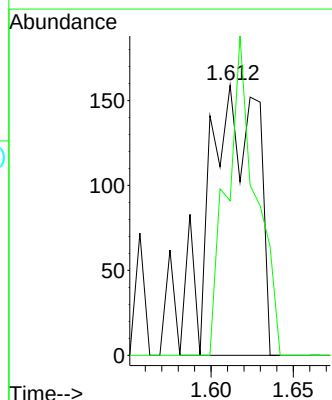
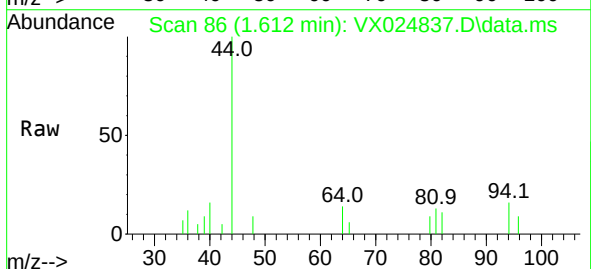
Instrument :
MSVOA_X
ClientSampleId :

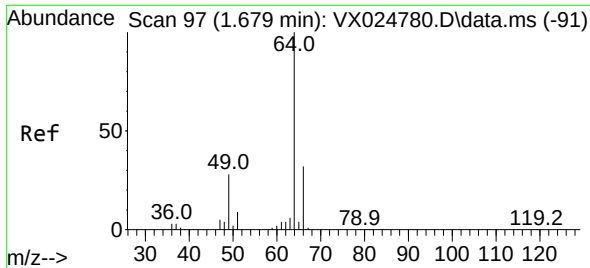
Tgt Ion:168 Resp: 140474
Ion Ratio Lower Upper
168 100
99 58.3 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion: 94 Resp: 328
Ion Ratio Lower Upper
94 100
96 57.2 74.8 112.2#

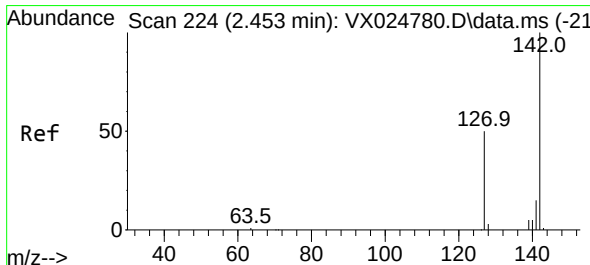
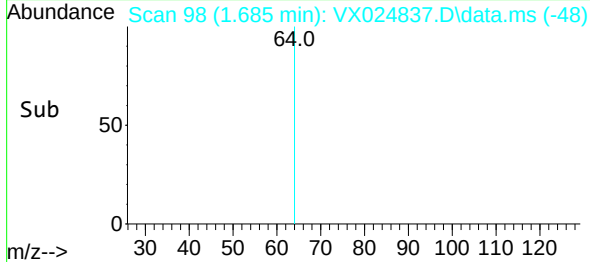
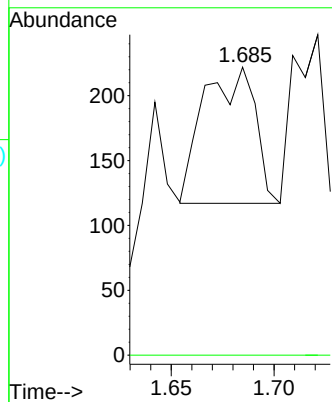
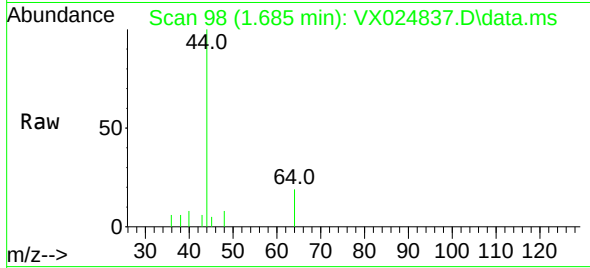




#6
Chloroethane
Concen: 0.220 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

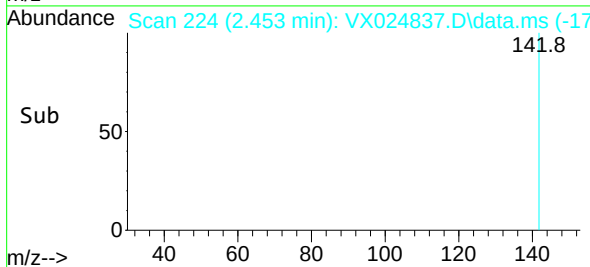
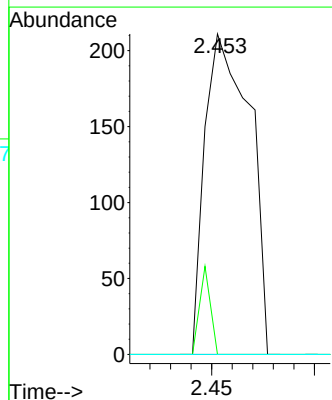
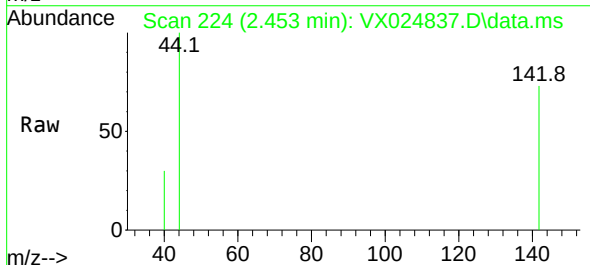
Instrument :
MSVOA_X
ClientSampled :

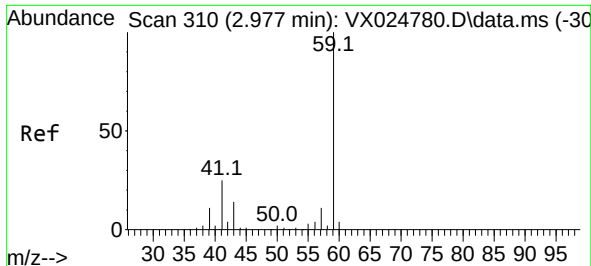
Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#10
Methyl Iodide
Concen: 1.100 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion: 142 Resp: 320
Ion Ratio Lower Upper
142 100
127 6.6 38.9 58.3#
141 0.0 11.7 17.5#

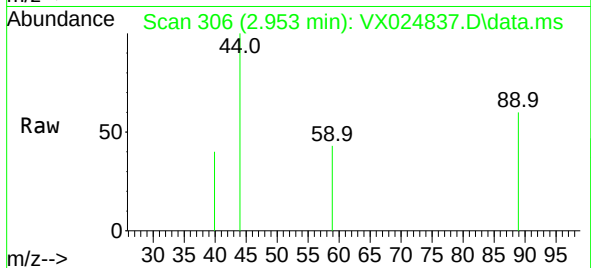




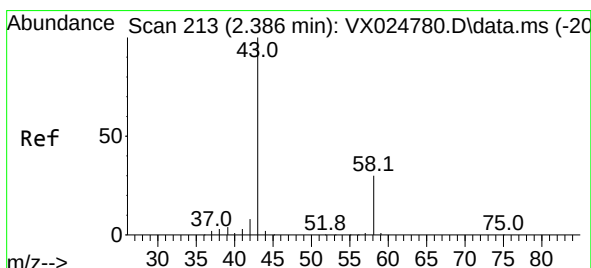
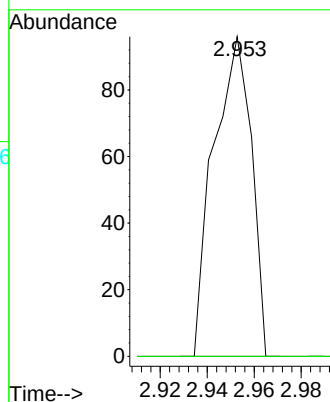
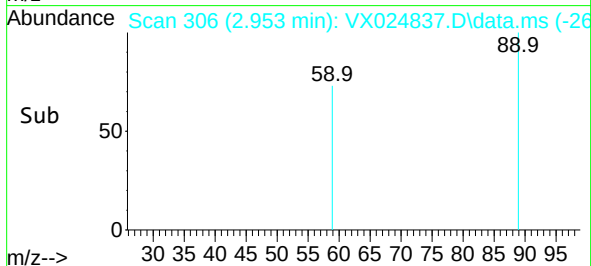
#11

Tert butyl alcohol
Concen: 0.294 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Instrument :
MSVOA_X
ClientSampled :

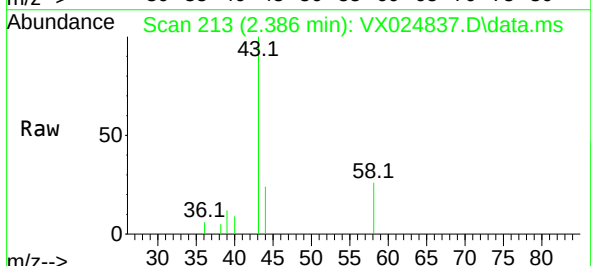


Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

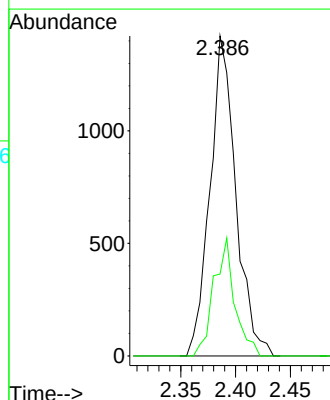
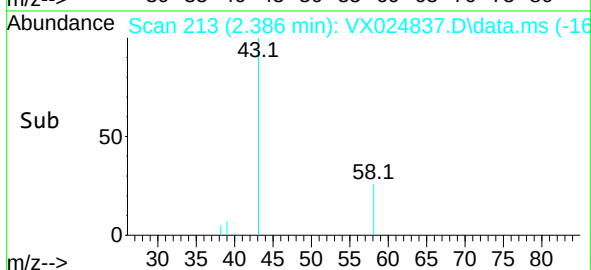


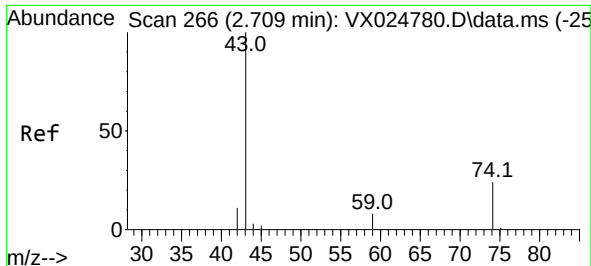
#16

Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55



Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
58 25.6 24.0 36.0

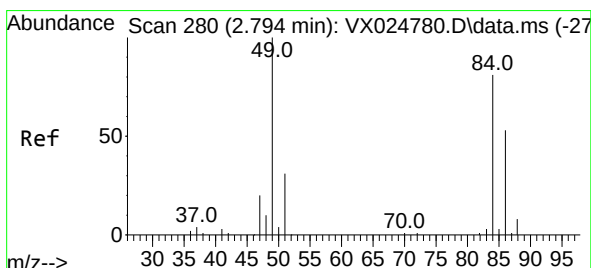
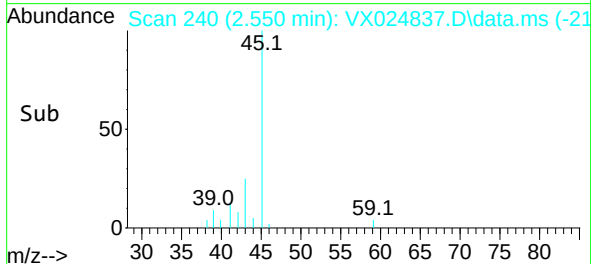
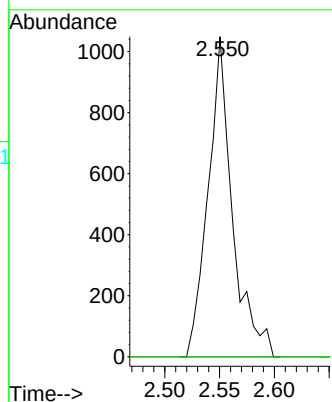
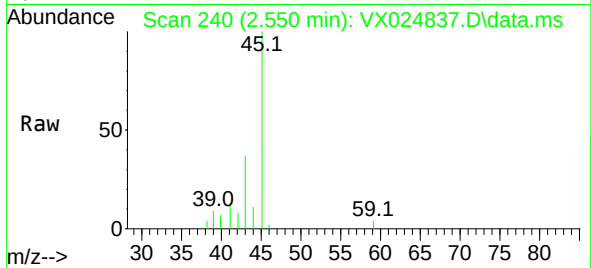




#18
Methyl Acetate
Concen: 0.568 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.158 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

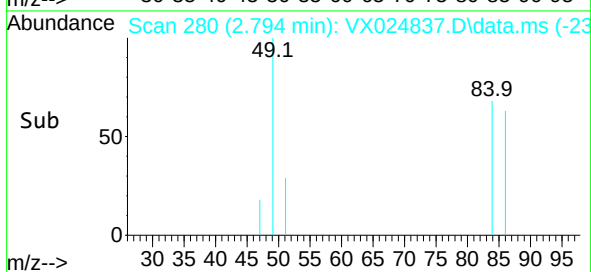
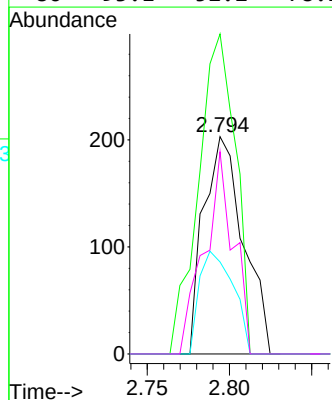
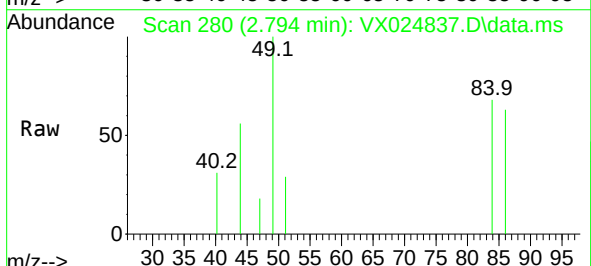
Instrument :
MSVOA_X
ClientSampled :

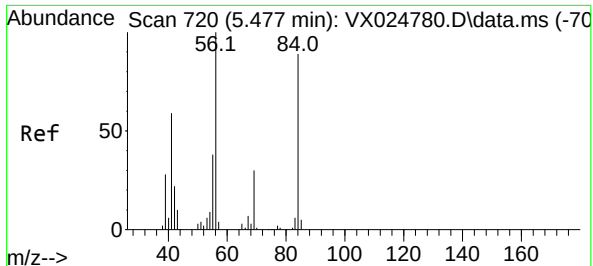
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 0.233 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

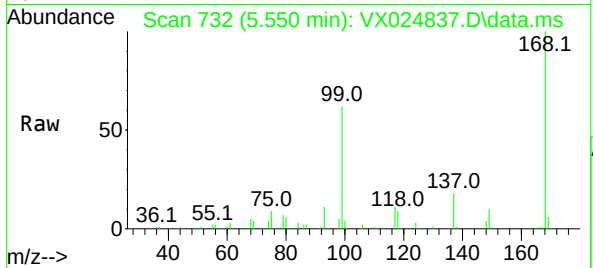
Tgt Ion: 84 Resp: 341
Ion Ratio Lower Upper
84 100
49 147.3 98.2 147.2#
51 42.4 30.2 45.4
86 93.1 52.2 78.2#



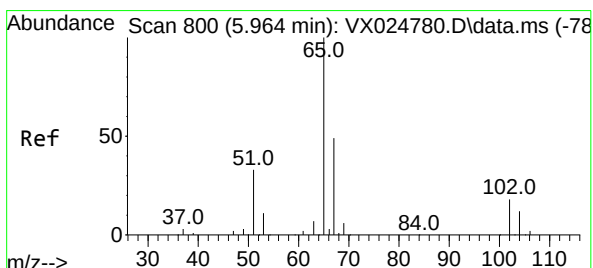
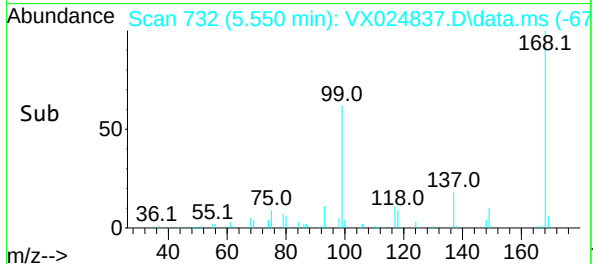
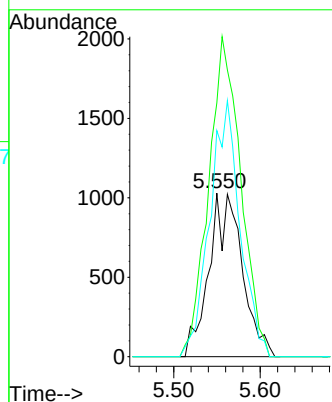


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Instrument :
MSVOA_X
ClientSampled :

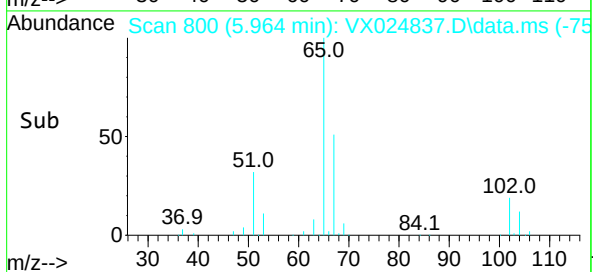
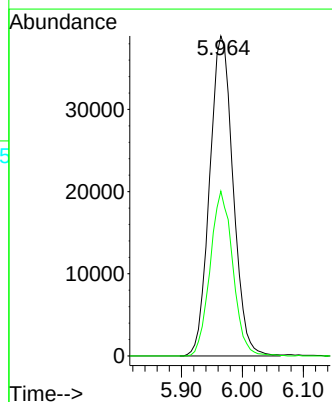
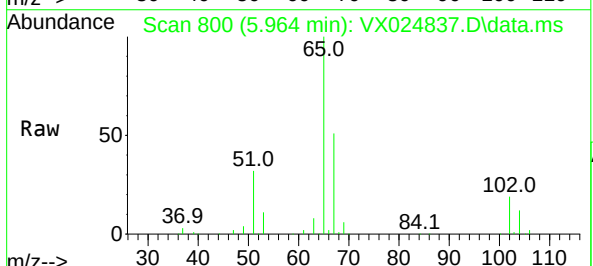


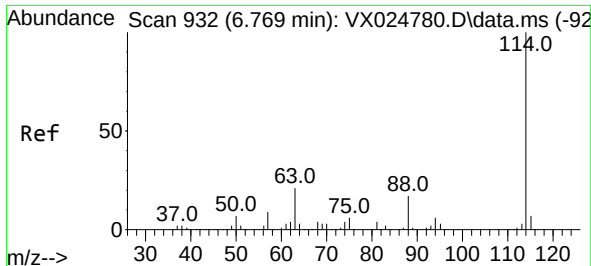
Tgt Ion: 56 Resp: 2729
Ion Ratio Lower Upper
56 100
69 155.2 24.2 36.2#
84 138.3 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 60.294 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion: 65 Resp: 104101
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.0

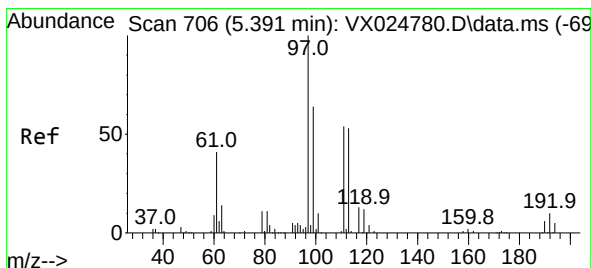
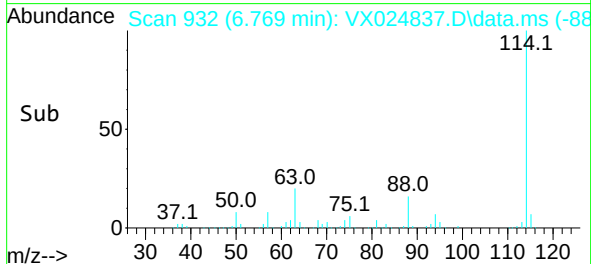
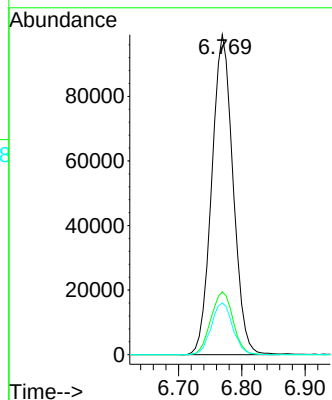
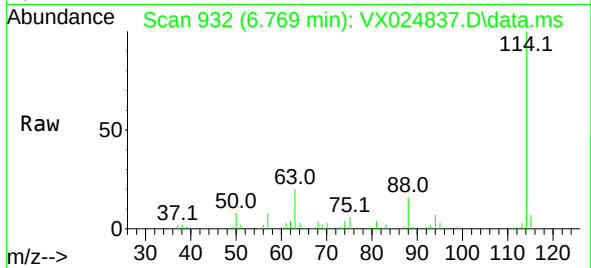




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

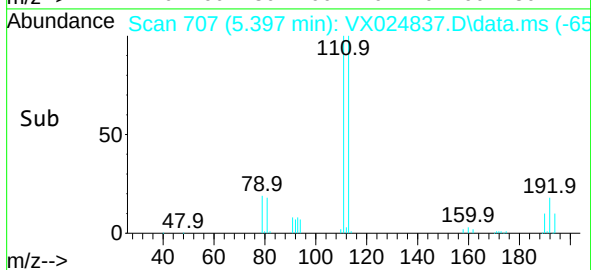
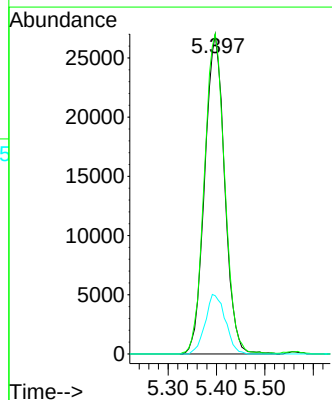
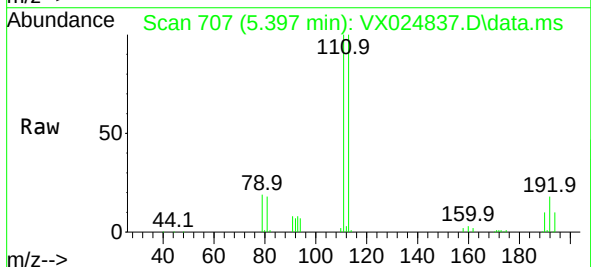
Instrument :
MSVOA_X
ClientSampleId :

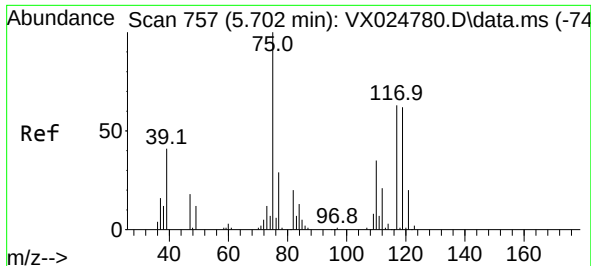
Tgt Ion:114 Resp: 231365
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.0
88 16.2 0.0 34.8



#35
Dibromofluoromethane
Concen: 55.927 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion:113 Resp: 77031
Ion Ratio Lower Upper
113 100
111 102.6 82.1 123.1
192 18.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.412 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024837.D

Acq: 15 Oct 2021 18:55

Tgt Ion: 75 Resp: 11081

Ion Ratio Lower Upper

75 100

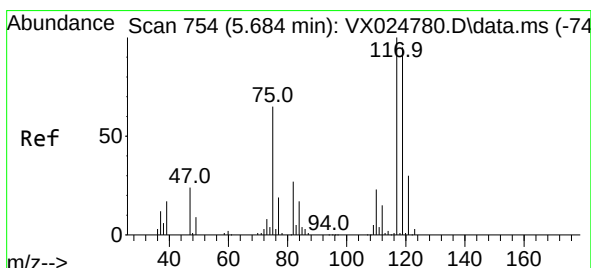
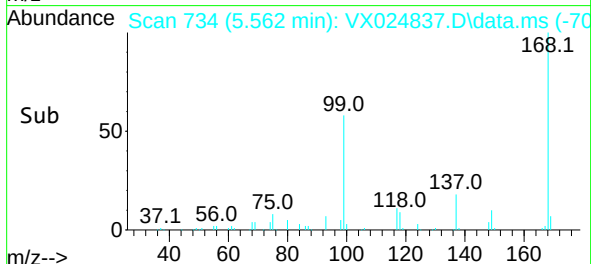
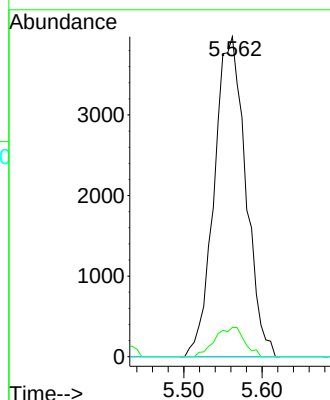
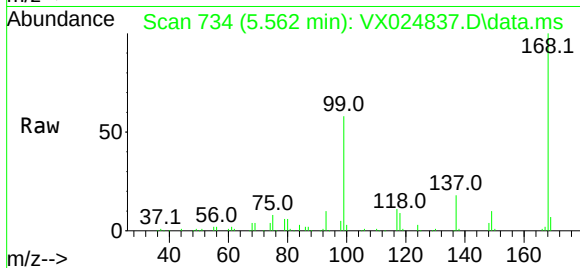
110 8.6 18.1 54.3#

77 0.0 24.4 36.6#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.436 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX024837.D

Acq: 15 Oct 2021 18:55

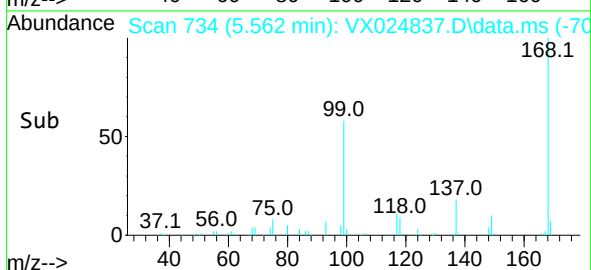
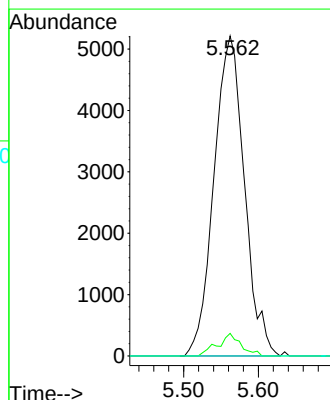
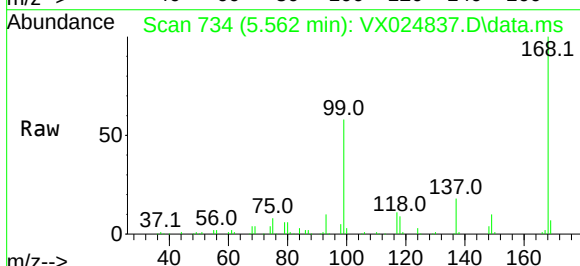
Tgt Ion: 117 Resp: 14765

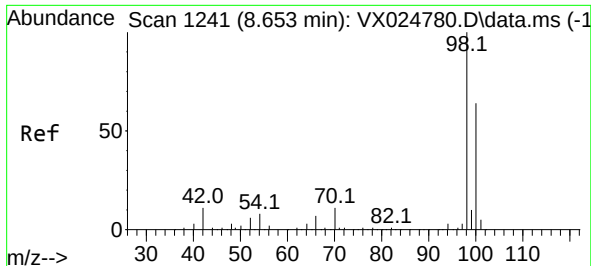
Ion Ratio Lower Upper

117 100

119 7.1 75.6 113.4#

121 0.0 23.7 35.5#

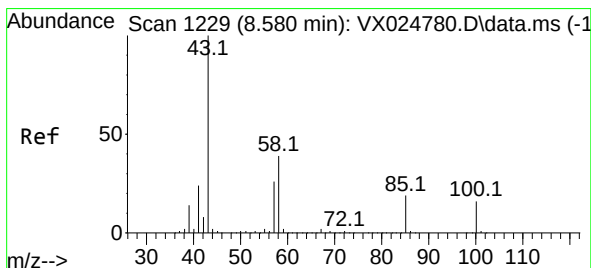
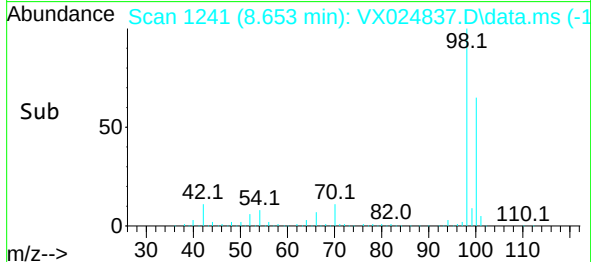
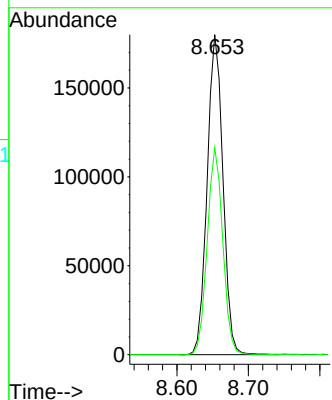
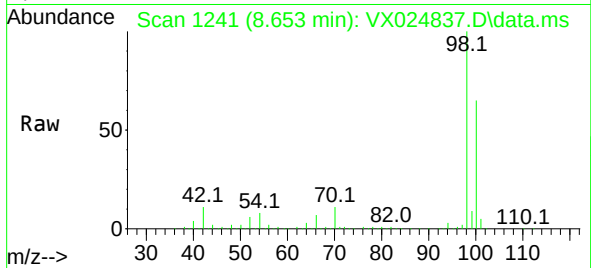




#50
Toluene-d8
Concen: 54.189 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

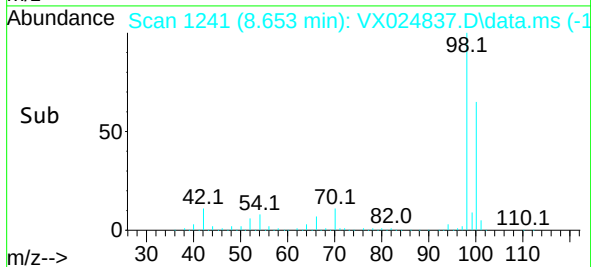
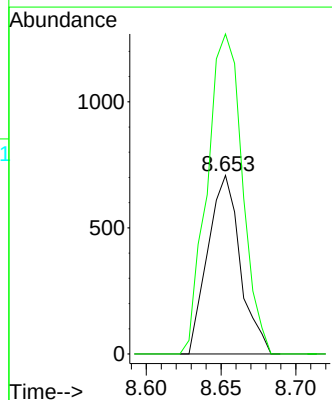
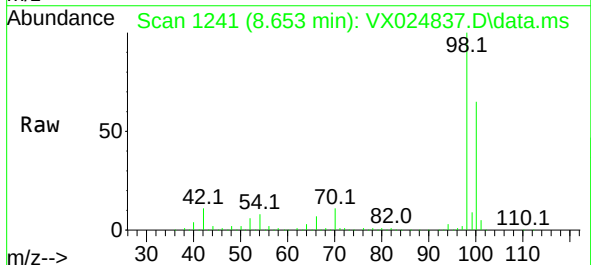
Instrument :
MSVOA_X
ClientSampled :

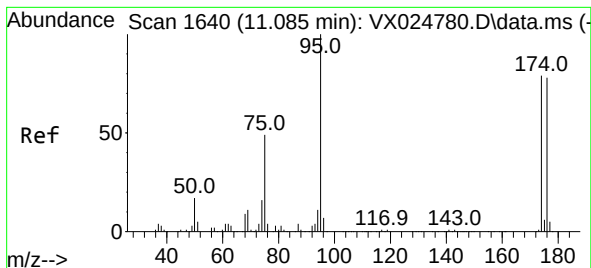
Tgt Ion: 98 Resp: 276086
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.441 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
58 194.5 30.9 46.3#

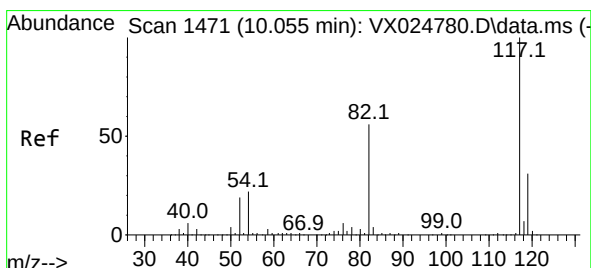
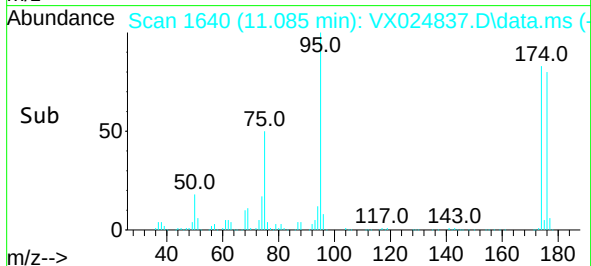
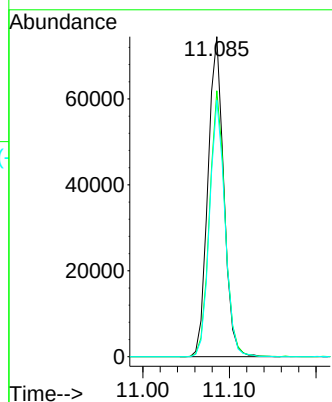
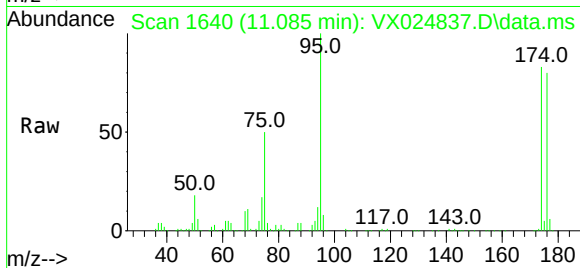




#62
4-Bromofluorobenzene
Concen: 47.136 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

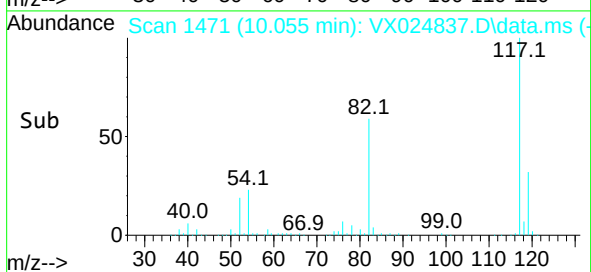
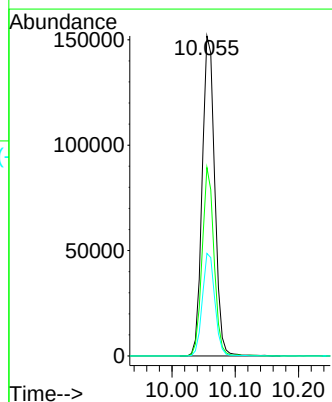
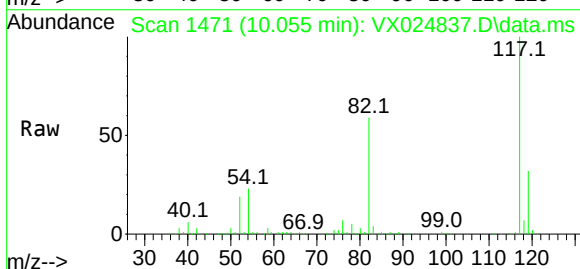
Instrument :
MSVOA_X
ClientSampleId :

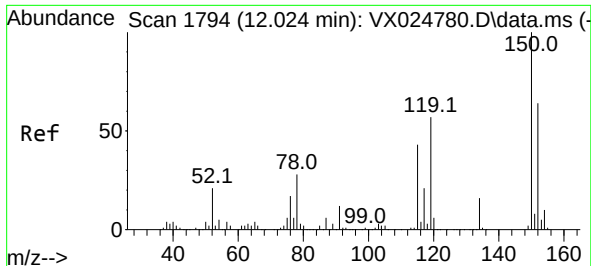
Tgt Ion: 95 Resp: 94453
Ion Ratio Lower Upper
95 100
174 81.3 0.0 158.0
176 78.0 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion: 117 Resp: 209714
Ion Ratio Lower Upper
117 100
82 58.9 44.6 67.0
119 32.0 24.8 37.2

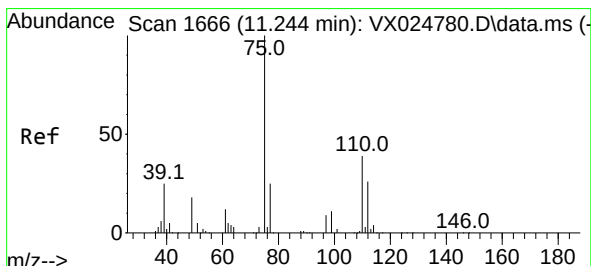
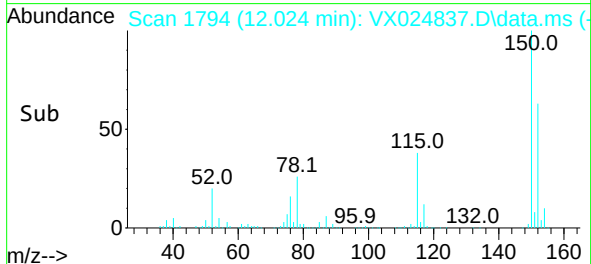
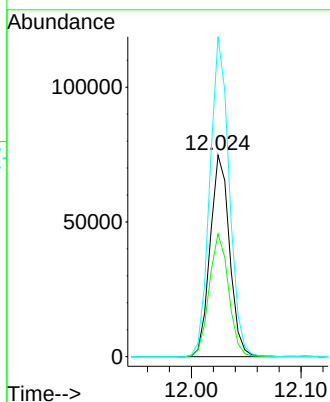
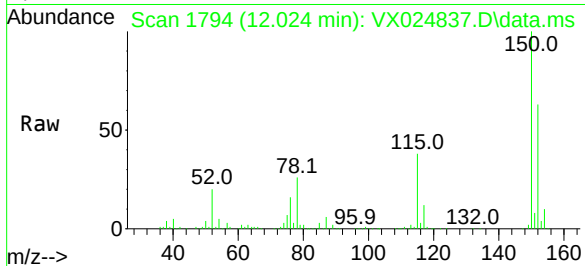




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024837.D
 Acq: 15 Oct 2021 18:55

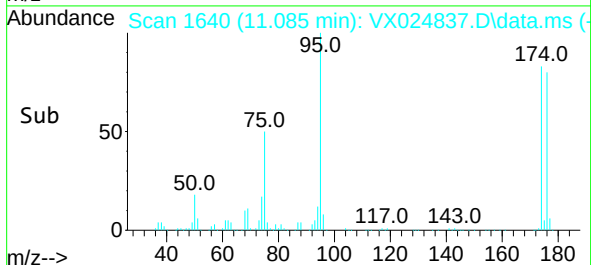
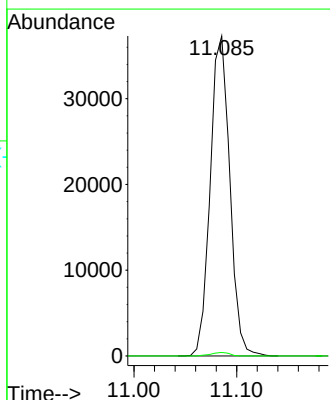
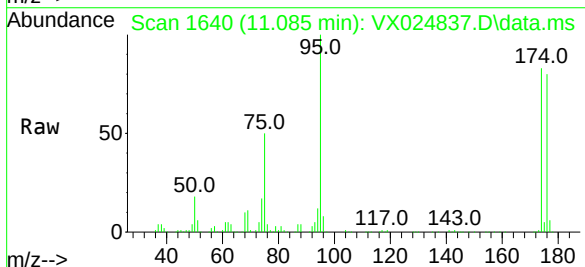
Instrument :
 MSVOA_X
 ClientSampled :

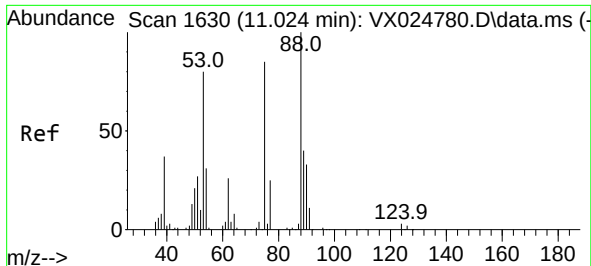
Tgt Ion:152 Resp: 91987
 Ion Ratio Lower Upper
 152 100
 115 60.8 43.3 129.8
 150 158.1 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 25.668 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX024837.D
 Acq: 15 Oct 2021 18:55

Tgt Ion: 75 Resp: 49259
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#

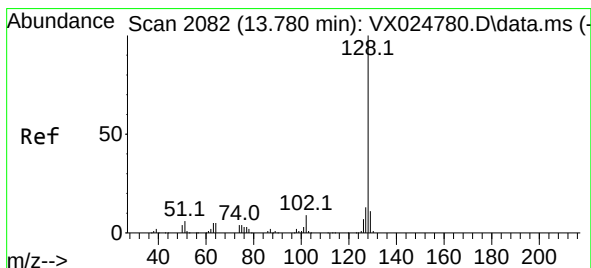
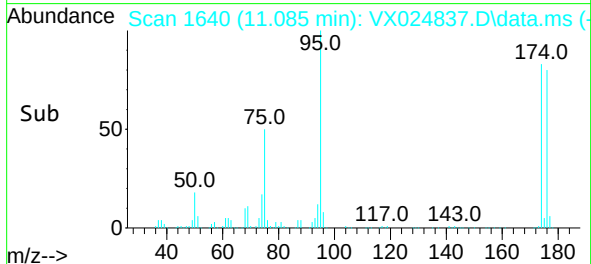
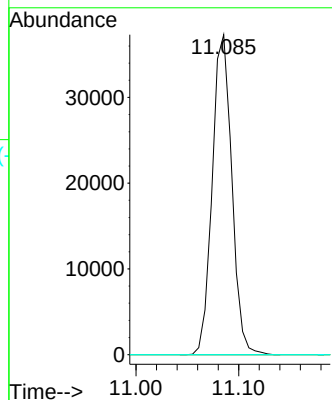
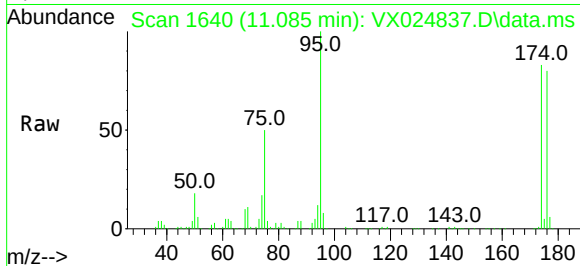




#81
trans-1,4-Dichloro-2-butene
Concen: 69.134 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 49259
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.284 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024837.D
Acq: 15 Oct 2021 18:55

Tgt Ion: 128 Resp: 193
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

