

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022945.D
 Acq On : 26 Jun 2021 01:03
 Operator : JC/MD
 Sample : PB137293ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

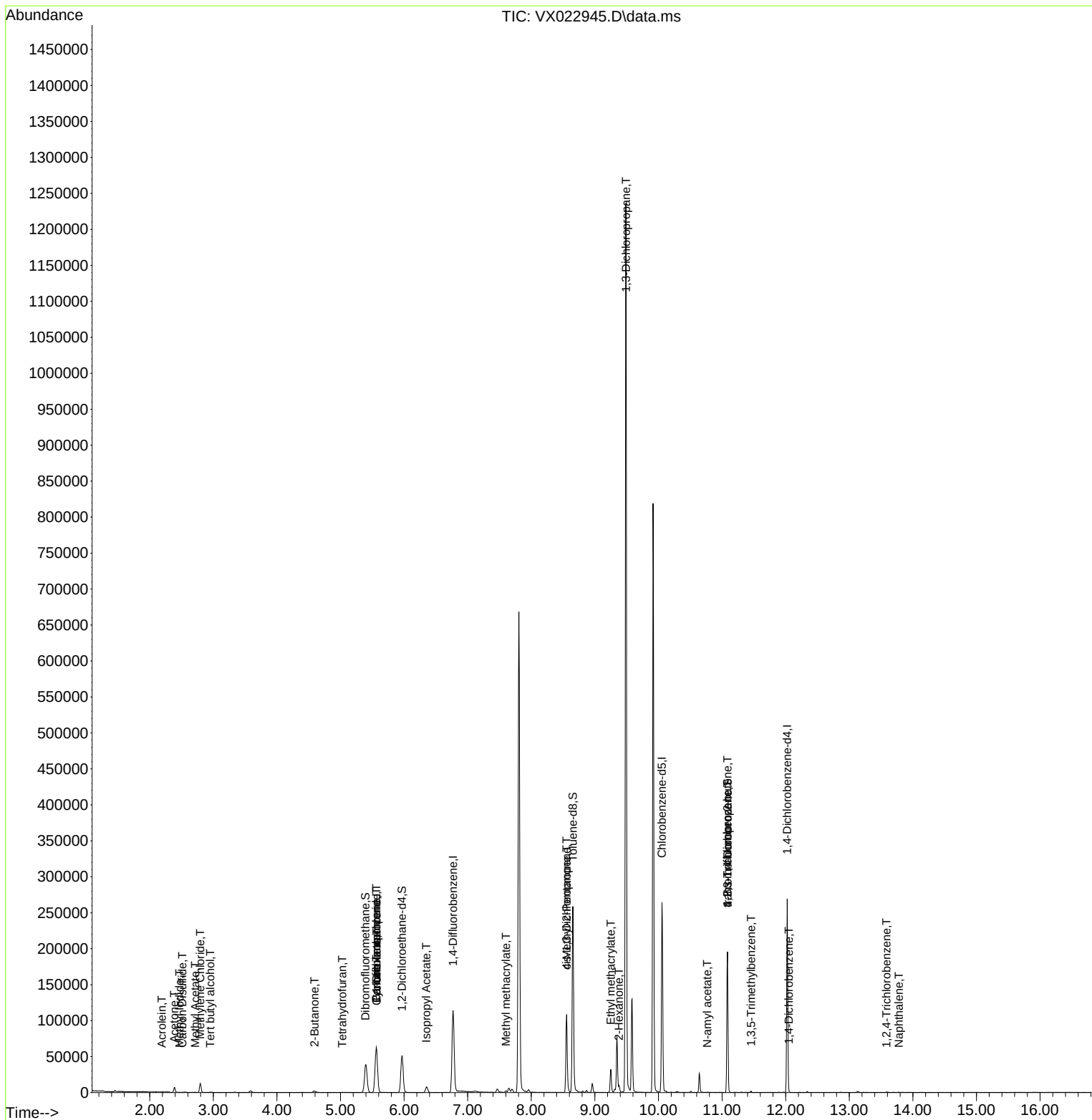
Quant Time: Jun 26 03:58:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

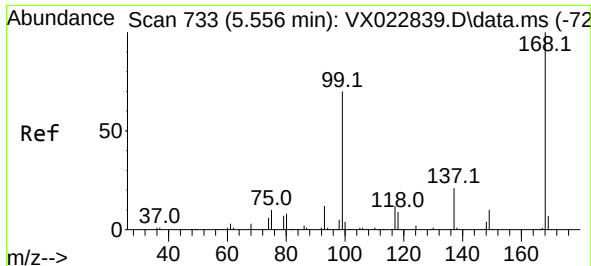
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	50924	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	106485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	48423	52.40	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.80%			
35) Dibromofluoromethane	5.391	113	33720	49.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.74%			
50) Toluene-d8	8.653	98	139939	52.80	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.60%			
62) 4-Bromofluorobenzene	11.085	95	51905	52.48	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.96%			
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	21	3.90	ug/l	# 42
11) Tert butyl alcohol	2.953	59	346	1.80	ug/l	# 73
13) Acrolein	2.191	56	25	0.21	ug/l	# 14
16) Acetone	2.386	43	7243	17.68	ug/l	94
17) Carbon Disulfide	2.514	76	286	3.66	ug/l	# 75
18) Methyl Acetate	2.715	43	427	0.42	ug/l	# 69
20) Methylene Chloride	2.794	84	5251	6.79	ug/l	# 85
25) 2-Butanone	4.593	43	1067	1.67	ug/l	# 45
29) Tetrahydrofuran	5.026	42	217	0.53	ug/l	# 27
31) Cyclohexane	5.568	56	1524	1.17	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	5223	4.62	ug/l	# 45
38) Carbon Tetrachloride	5.562	117	5946	6.27	ug/l	# 12
43) Isopropyl Acetate	6.348	43	10456	4.96	ug/l	# 90
48) Methyl methacrylate	7.604	41	3082	3.16	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	37704	28.76	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	16803	13.72	ug/l	# 67
56) Ethyl methacrylate	9.250	69	104	2.65	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	9493	6.60	ug/l	# 42
59) 2-Hexanone	9.378	43	4382	4.41	ug/l	# 19
74) N-amyl acetate	10.768	43	313	2.20	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	28599	24.34	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	759	0.25	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	28599	63.69	ug/l	# 12
88) 1,4-Dichlorobenzene	12.049	146	330	0.21	ug/l	# 25
93) 1,2,4-Trichlorobenzene	13.585	180	191	0.23	ug/l	69
95) Naphthalene	13.780	128	452	2.04	ug/l	# 69

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

Quant Time: Jun 26 03:58:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

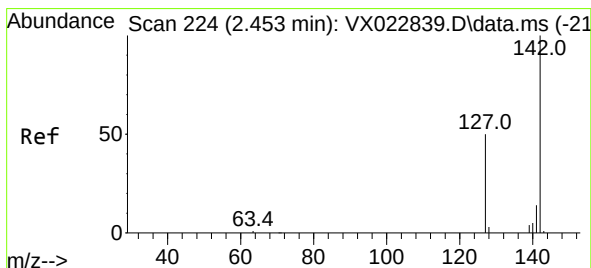
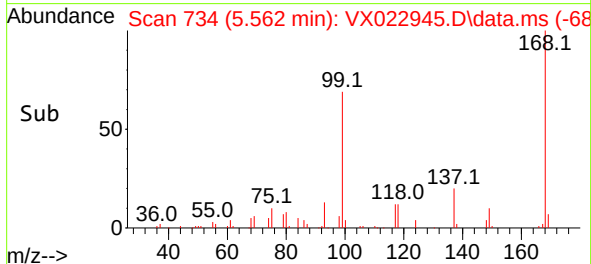
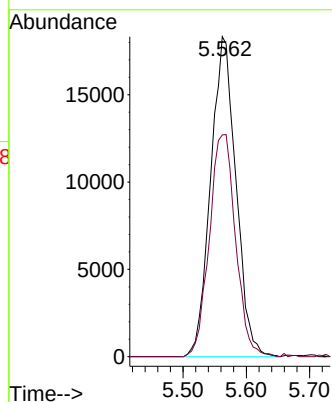
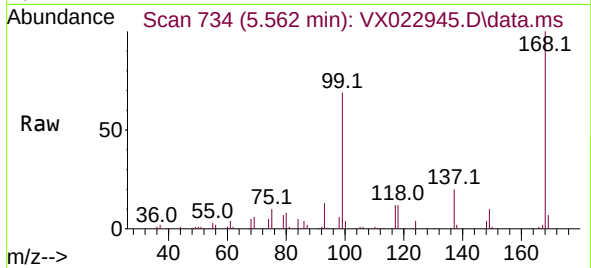




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

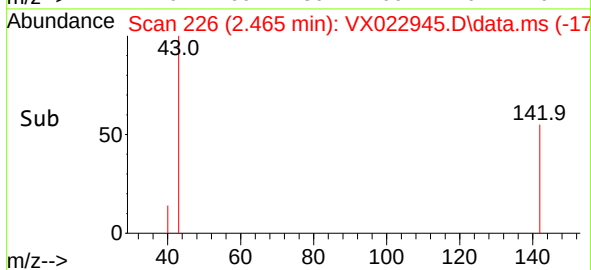
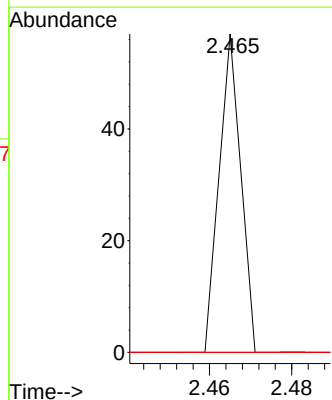
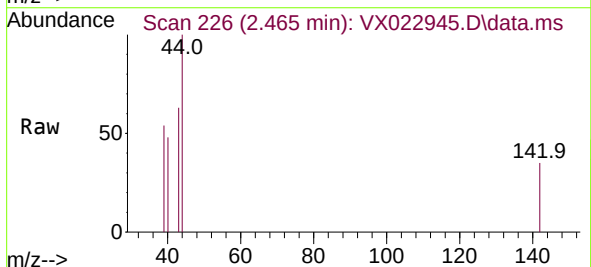
Instrument :
MSVOA_X
ClientSampleId :

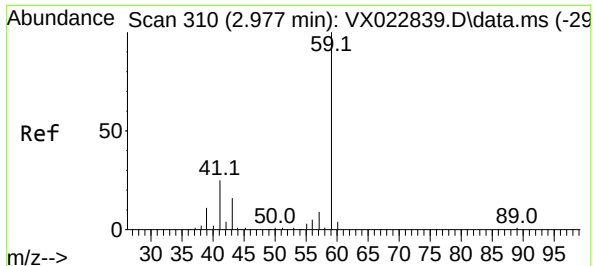
Tgt Ion:168 Resp: 50924
Ion Ratio Lower Upper
168 100
99 69.3 45.8 68.6#



#10
Methyl Iodide
Concen: 3.90 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



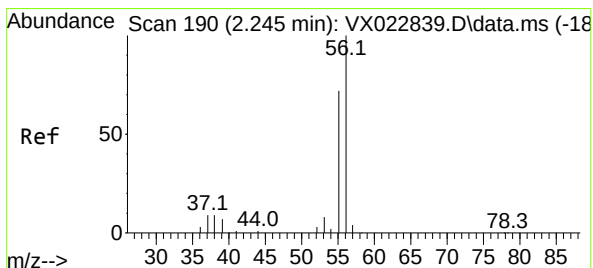
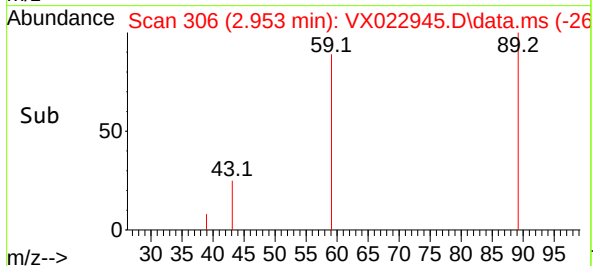
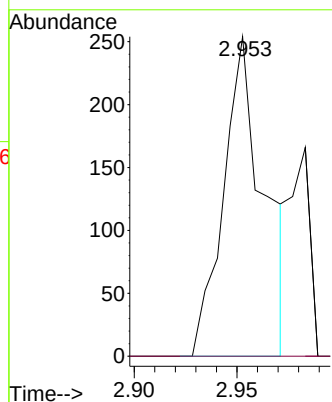
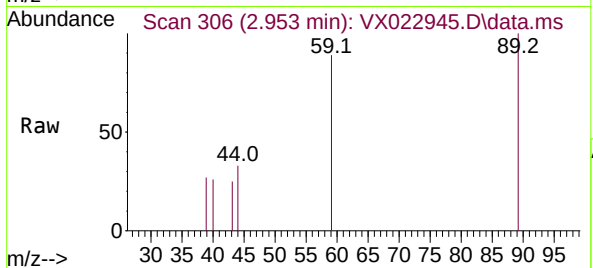


#11

Tert butyl alcohol
Concen: 1.80 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Instrument :
MSVOA_X
ClientSampled :

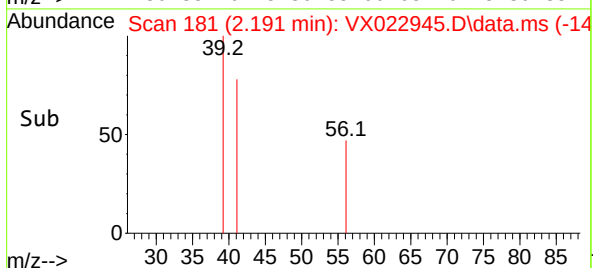
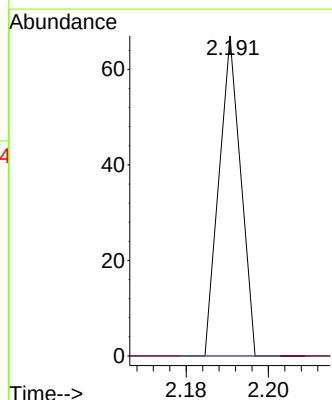
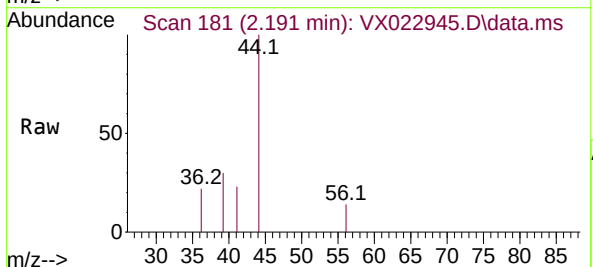
Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

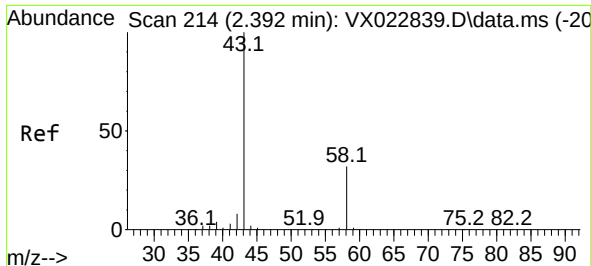


#13

Acrolein
Concen: 0.21 ug/l
RT: 2.191 min Scan# 181
Delta R.T. -0.054 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

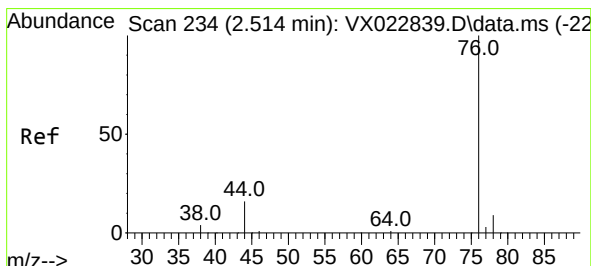
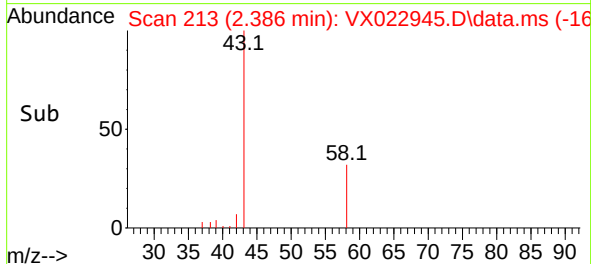
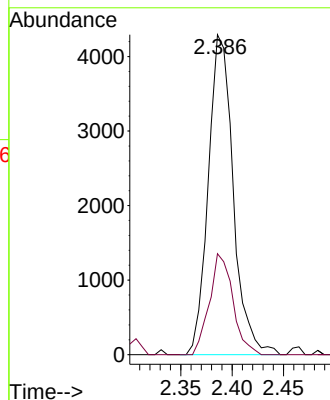
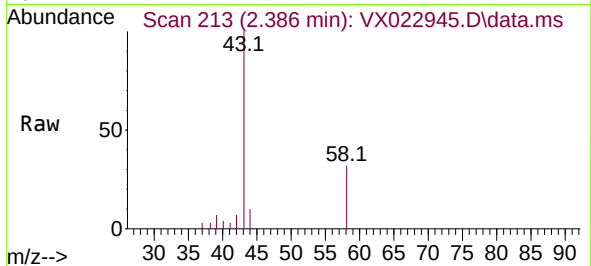




#16
Acetone
Concen: 17.68 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

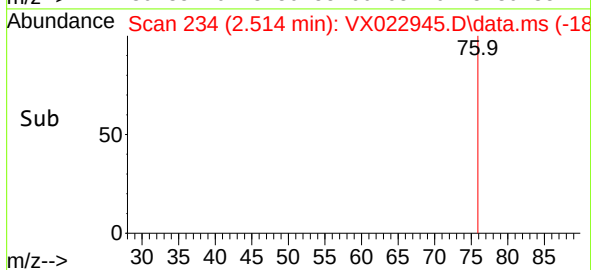
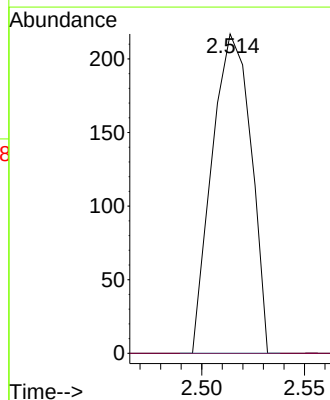
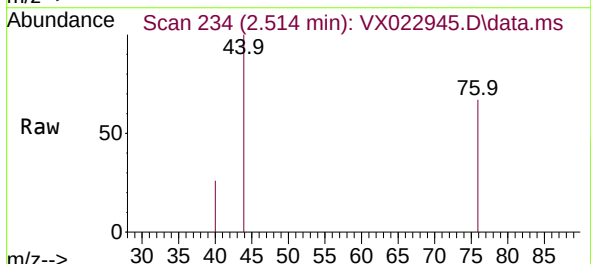
Instrument :
MSVOA_X
ClientSampled :

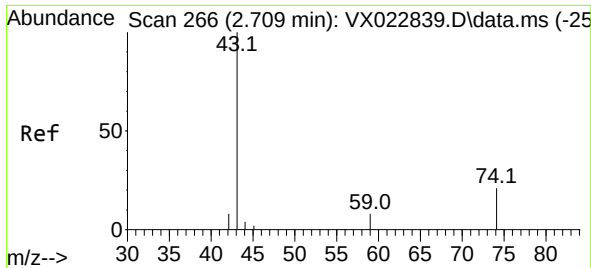
Tgt Ion: 43 Resp: 7243
Ion Ratio Lower Upper
43 100
58 31.6 27.8 41.8



#17
Carbon Disulfide
Concen: 3.66 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 76 Resp: 286
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

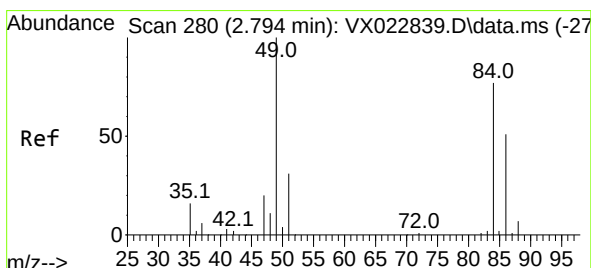
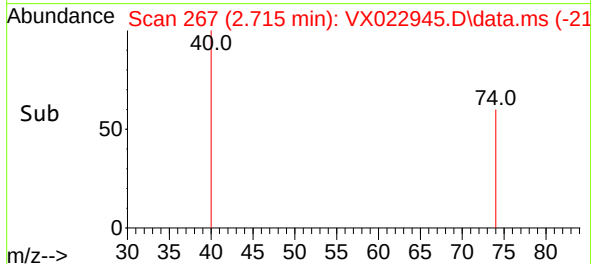
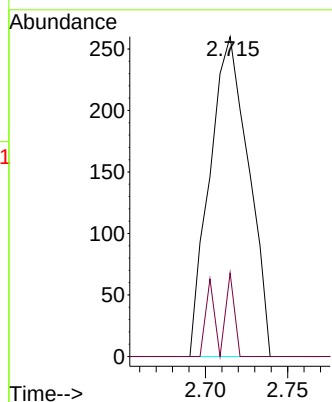
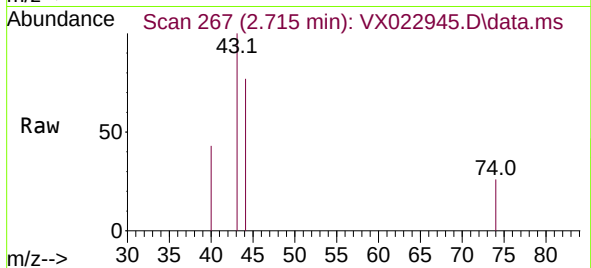




#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

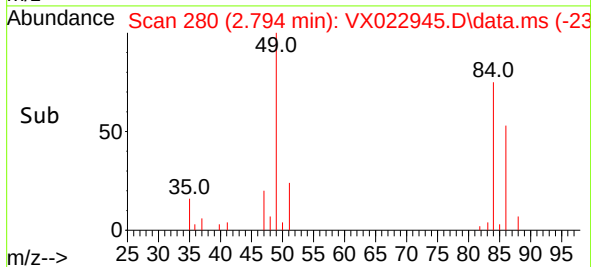
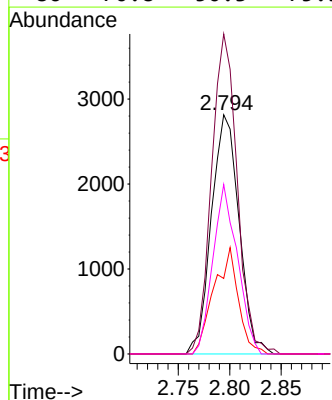
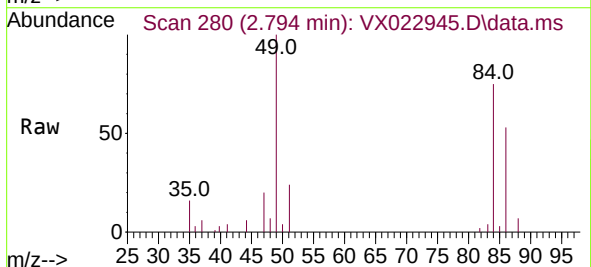
Instrument :
MSVOA_X
ClientSampled :

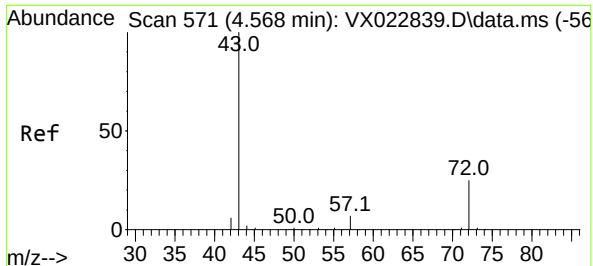
Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
74 11.2 21.9 32.9#



#20
Methylene Chloride
Concen: 6.79 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 84 Resp: 5251
Ion Ratio Lower Upper
84 100
49 133.8 88.6 132.8#
51 31.6 27.0 40.6
86 70.8 50.3 75.5





#25

2-Butanone

Concen: 1.67 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX022945.D

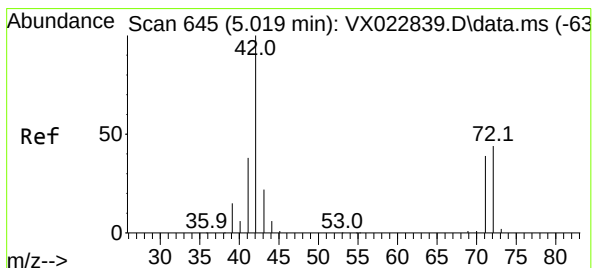
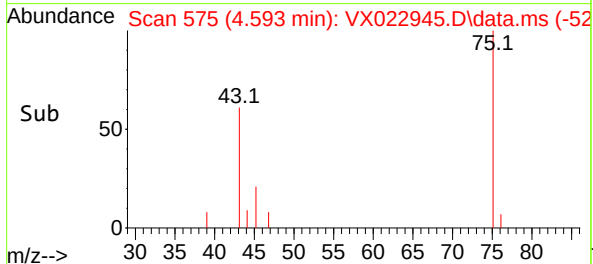
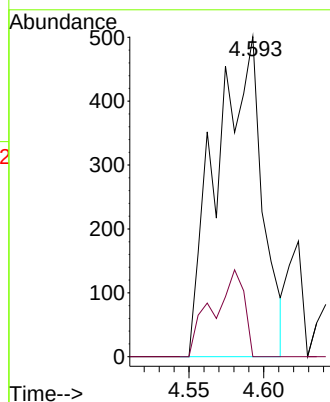
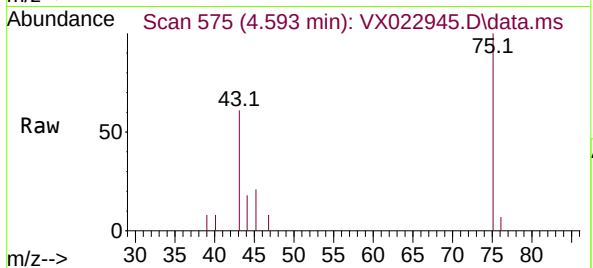
Acq: 26 Jun 2021 01:03

Tgt Ion: 43 Resp: 1067

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.53 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.007 min

Lab File: VX022945.D

Acq: 26 Jun 2021 01:03

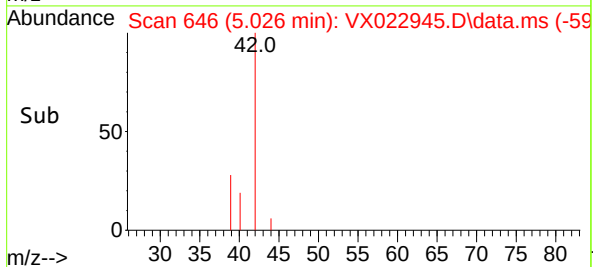
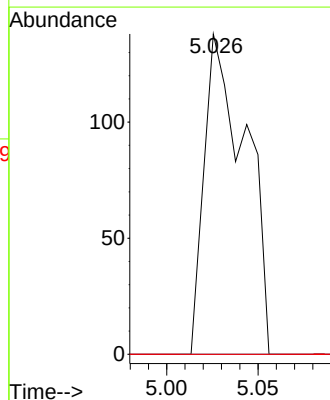
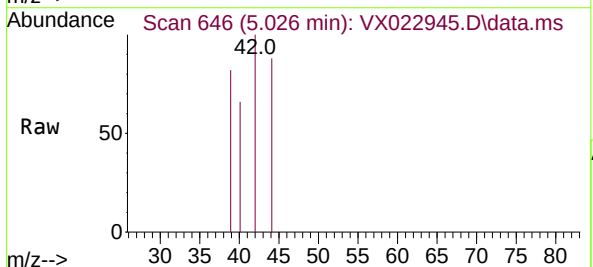
Tgt Ion: 42 Resp: 217

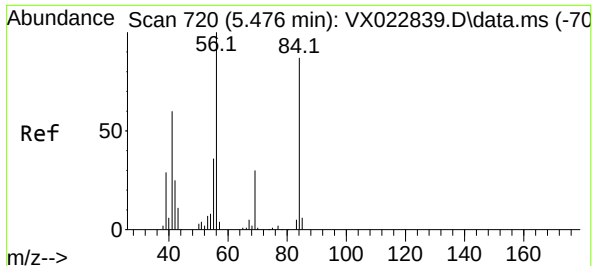
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

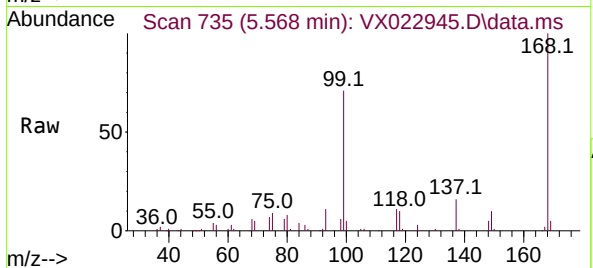
71 0.0 38.4 57.6#



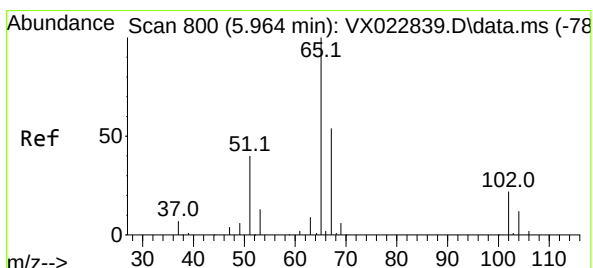
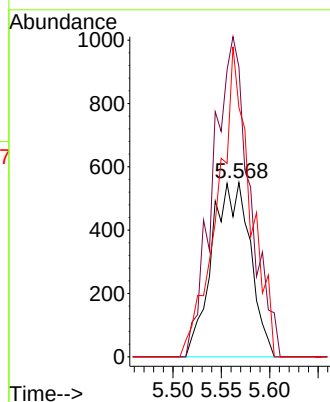
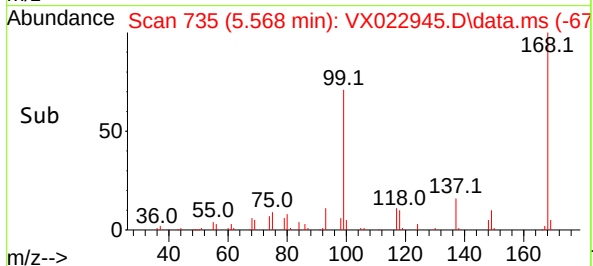


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.092 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

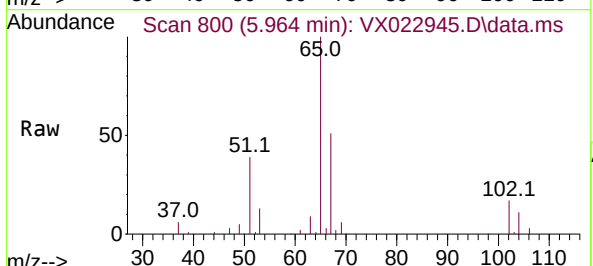
Instrument :
MSVOA_X
ClientSampled :



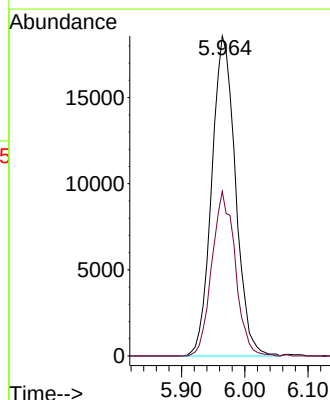
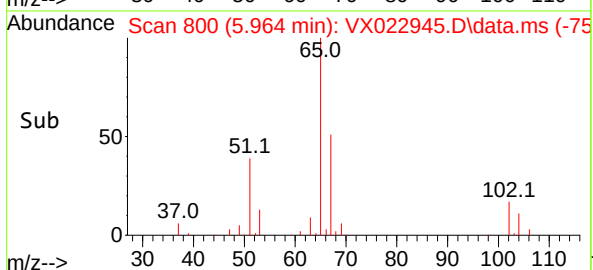
Tgt Ion: 56 Resp: 1524
Ion Ratio Lower Upper
56 100
69 166.4 25.3 37.9#
84 143.1 71.4 107.0#

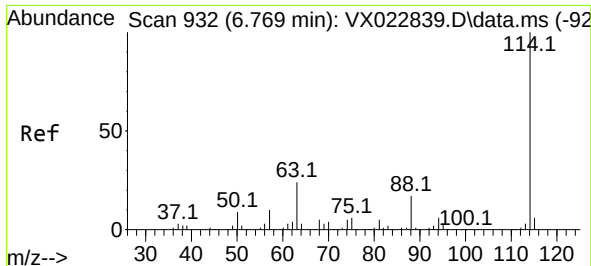


#33
1,2-Dichloroethane-d4
Concen: 52.40 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03



Tgt Ion: 65 Resp: 48423
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

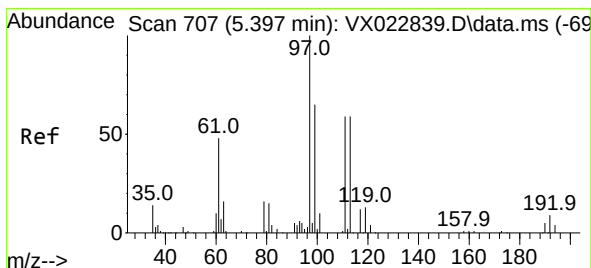
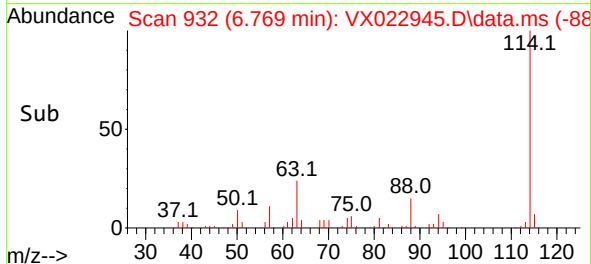
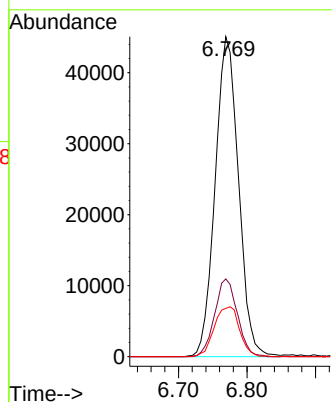
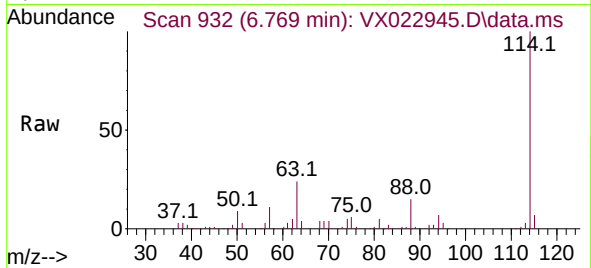




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

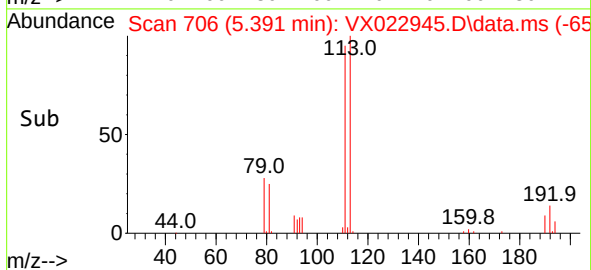
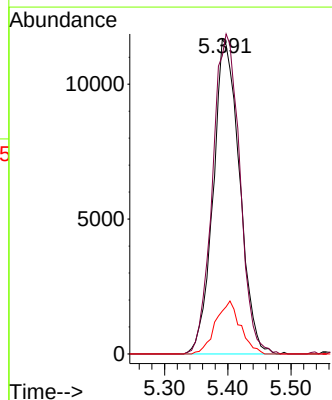
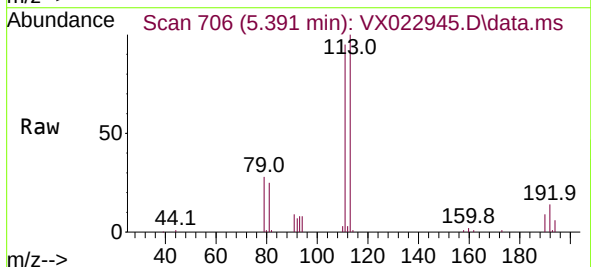
Instrument :
MSVOA_X
ClientSampleId :

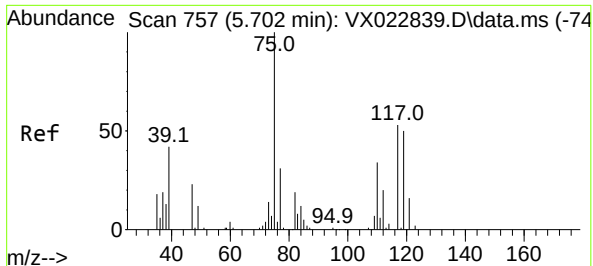
Tgt Ion:114 Resp: 106485
Ion Ratio Lower Upper
114 100
63 24.3 0.0 40.8
88 15.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.87 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion:113 Resp: 33720
Ion Ratio Lower Upper
113 100
111 105.2 81.9 122.9
192 15.8 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.62 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022945.D

Acq: 26 Jun 2021 01:03

Tgt Ion: 75 Resp: 5223

Ion Ratio Lower Upper

75 100

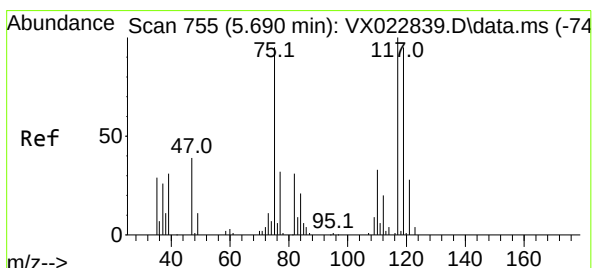
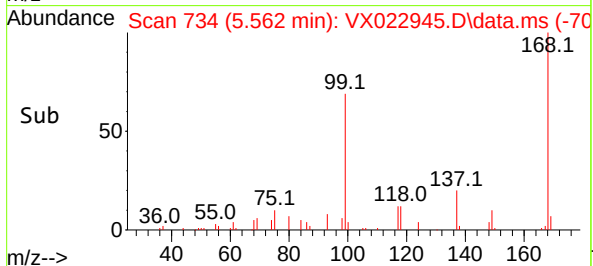
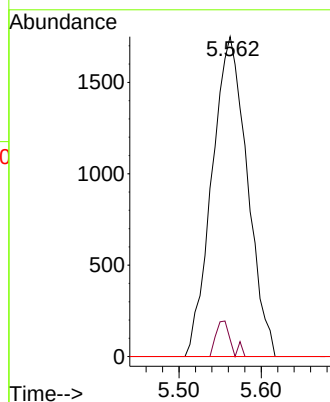
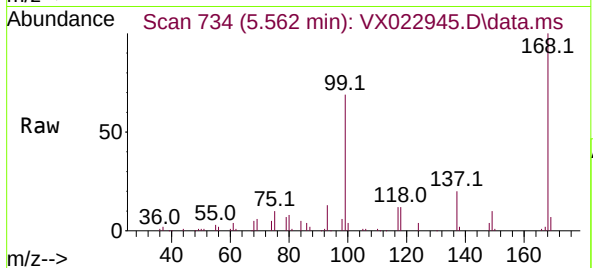
110 4.7 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.27 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX022945.D

Acq: 26 Jun 2021 01:03

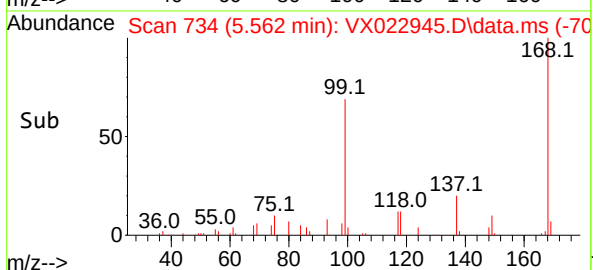
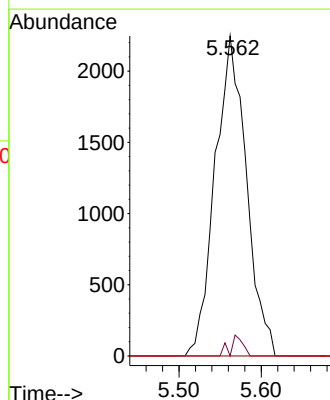
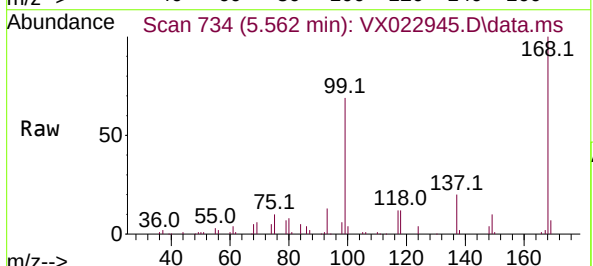
Tgt Ion: 117 Resp: 5946

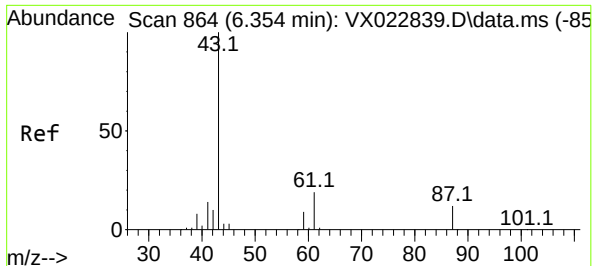
Ion Ratio Lower Upper

117 100

119 0.0 76.2 114.2#

121 0.0 24.8 37.2#

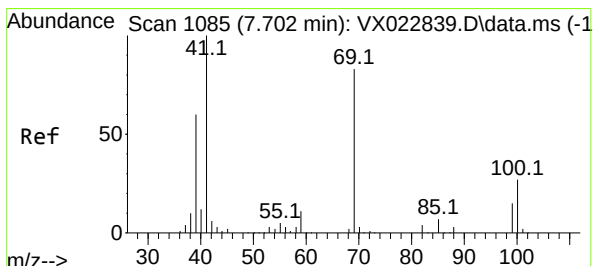
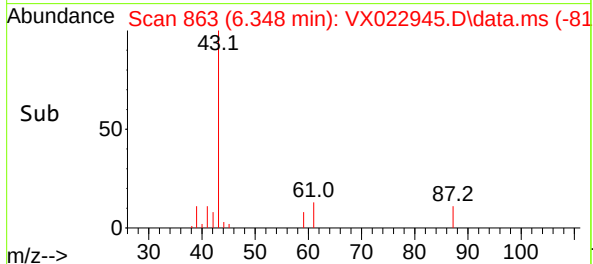
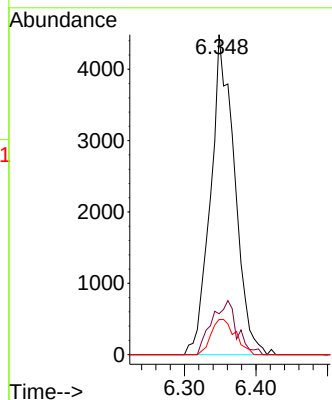
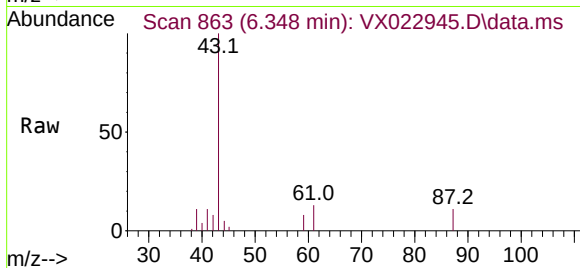




#43
Isopropyl Acetate
Concen: 4.96 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

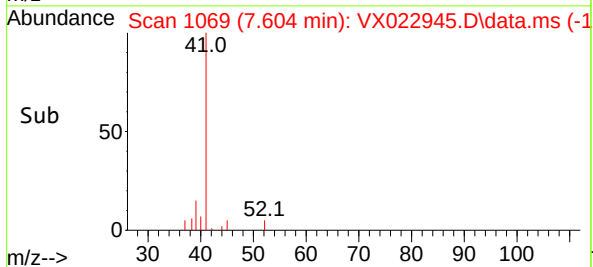
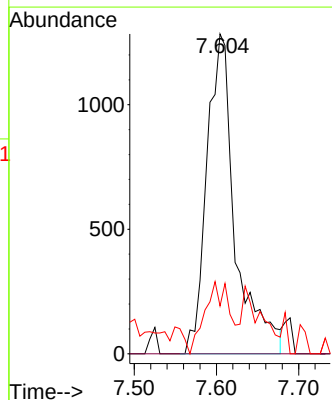
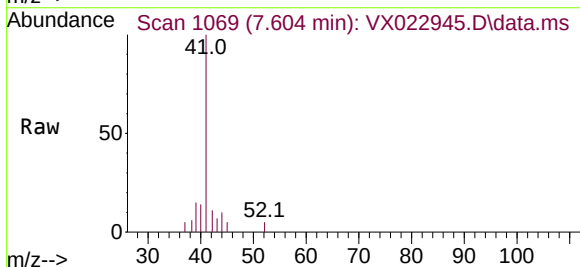
Instrument :
MSVOA_X
ClientSampleId :

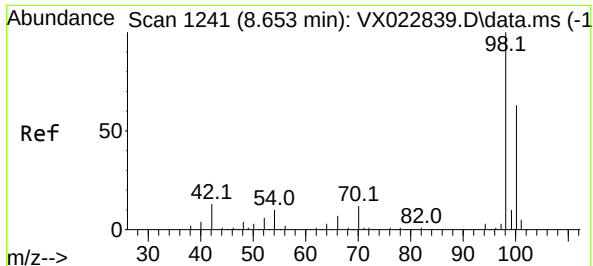
Tgt Ion: 43 Resp: 10456
Ion Ratio Lower Upper
43 100
61 17.8 18.2 27.4#
87 11.1 12.5 18.7#



#48
Methyl methacrylate
Concen: 3.16 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 41 Resp: 3082
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

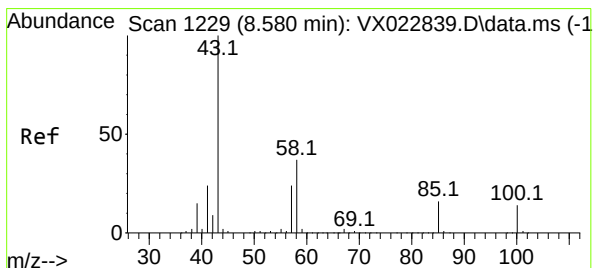
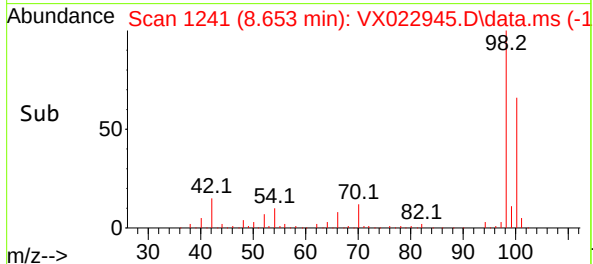
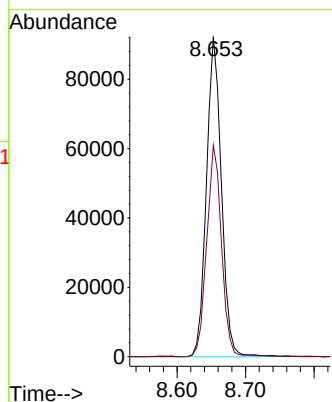
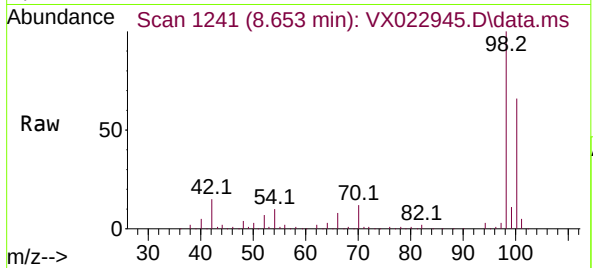




#50
Toluene-d8
Concen: 52.80 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

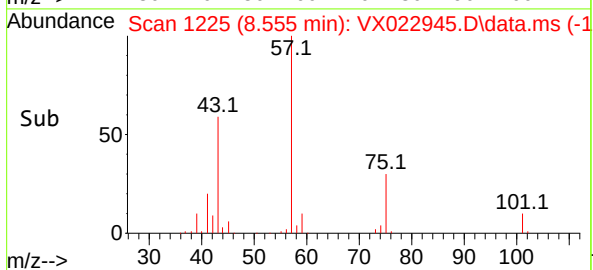
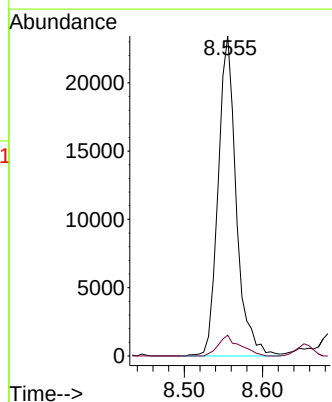
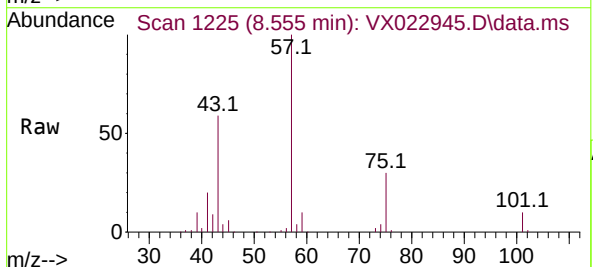
Instrument :
MSVOA_X
ClientSampled :

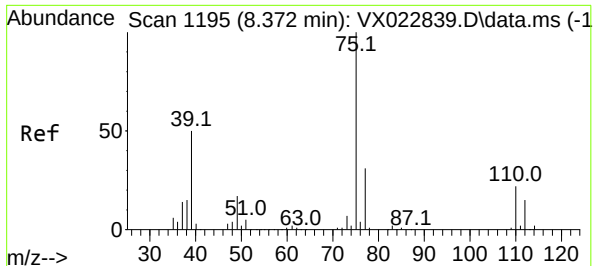
Tgt Ion: 98 Resp: 139939
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.76 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 43 Resp: 37704
Ion Ratio Lower Upper
43 100
58 7.7 35.4 53.0#

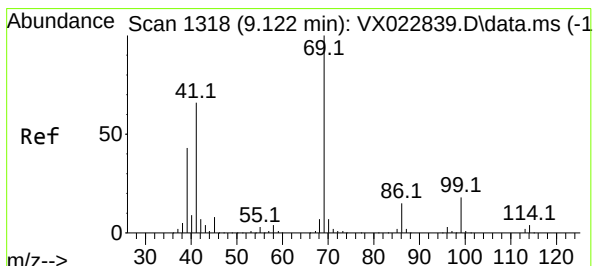
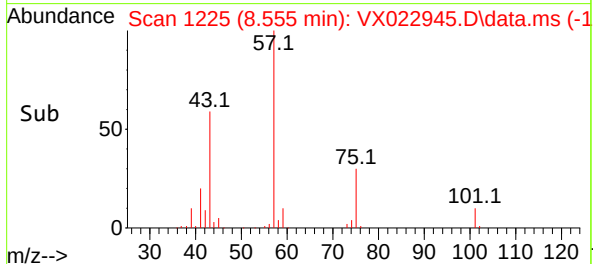
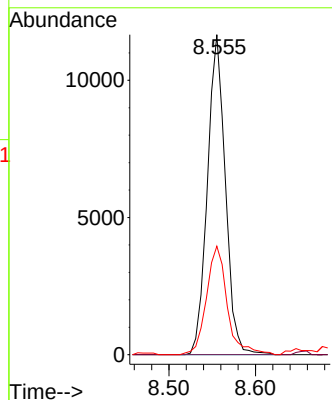
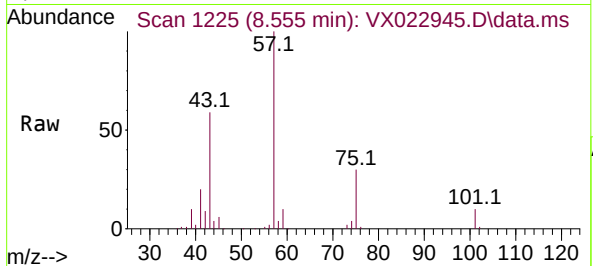




#54
cis-1,3-Dichloropropene
Concen: 13.72 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

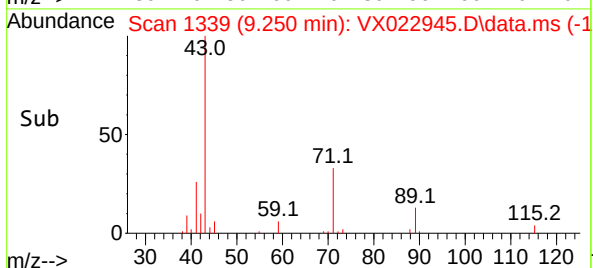
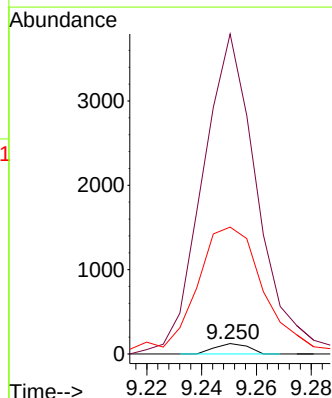
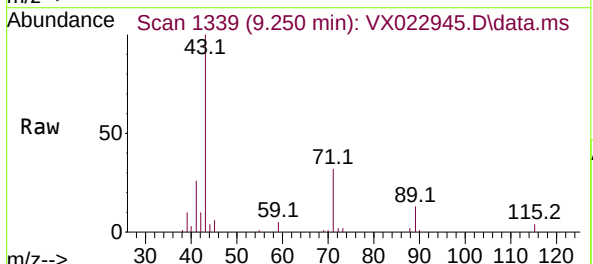
Instrument :
MSVOA_X
ClientSampled :

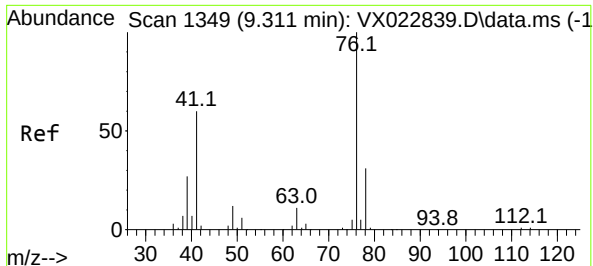
Tgt Ion: 75 Resp: 16803
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 33.9 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.65 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 69 Resp: 104
Ion Ratio Lower Upper
69 100
41 5086.5 46.8 70.2#
39 2515.4 24.7 37.1#



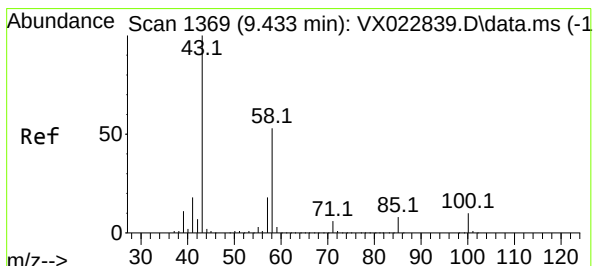
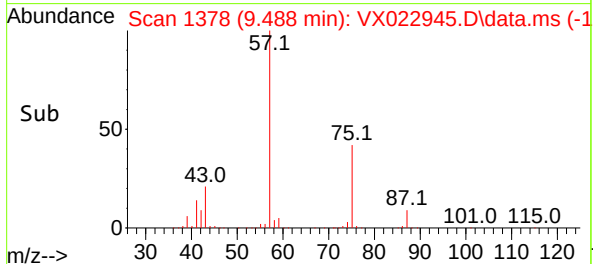
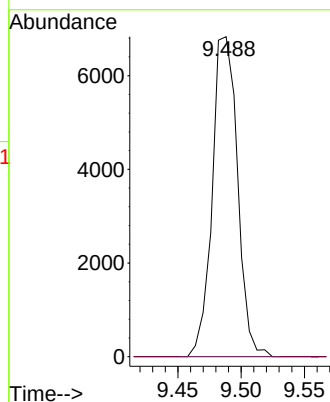
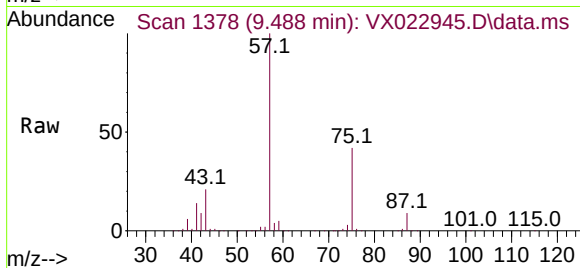


#57

1,3-Dichloropropane
Concen: 6.60 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Instrument :
MSVOA_X
ClientSampleId :

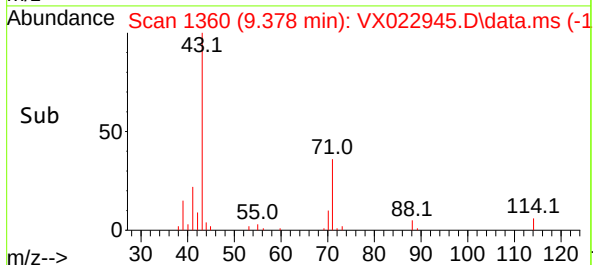
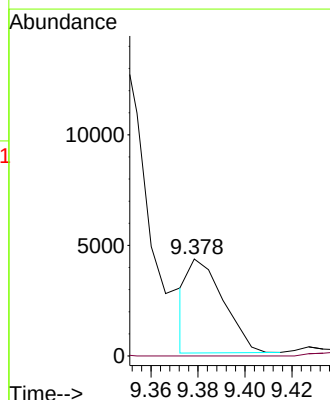
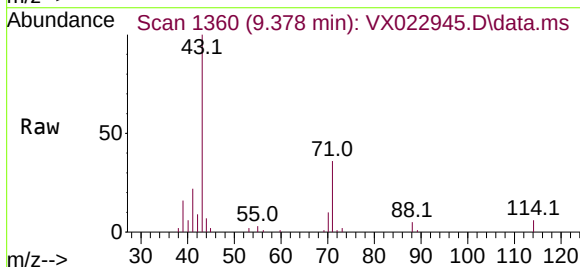
Tgt Ion: 76 Resp: 9493
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

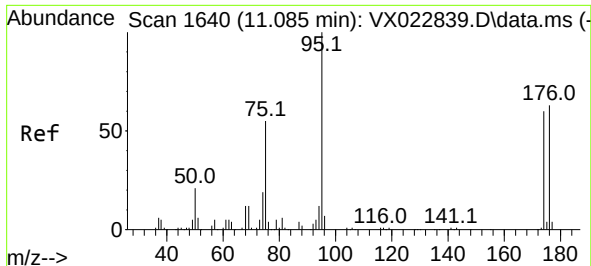


#59

2-Hexanone
Concen: 4.41 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

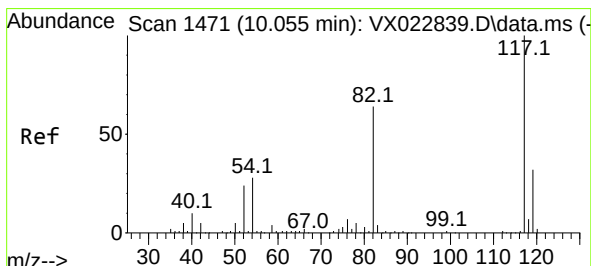
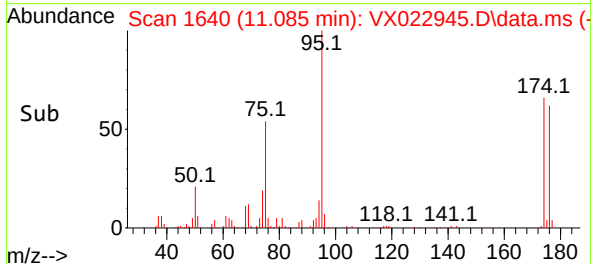
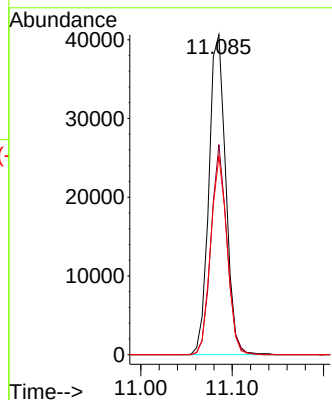
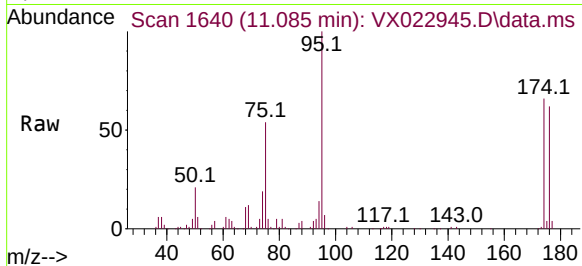




#62
4-Bromofluorobenzene
Concen: 52.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

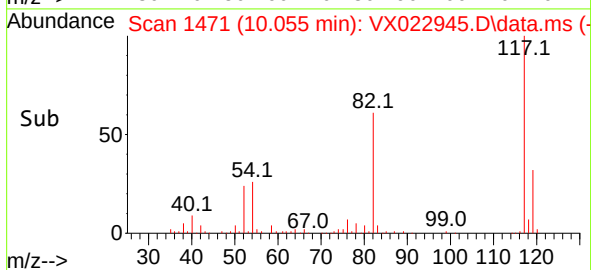
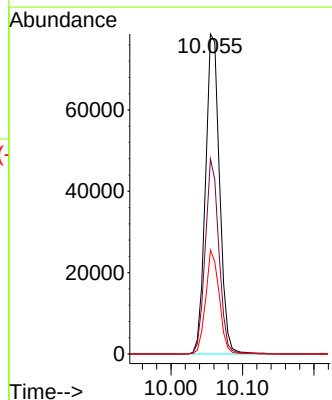
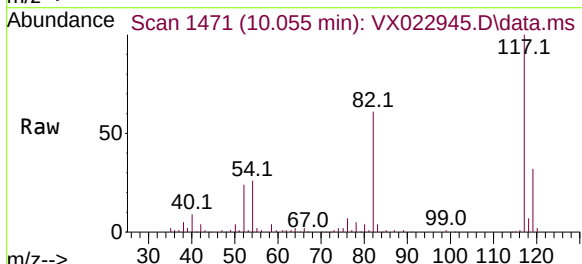
Instrument :
MSVOA_X
ClientSampleId :

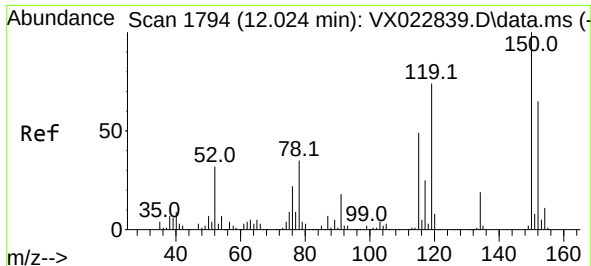
Tgt Ion: 95 Resp: 51905
Ion Ratio Lower Upper
95 100
174 61.9 0.0 154.6
176 60.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 117 Resp: 107859
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 32.4 26.6 39.8

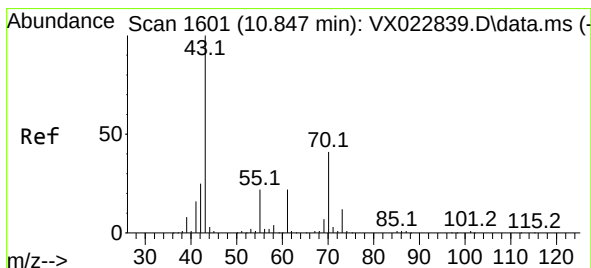
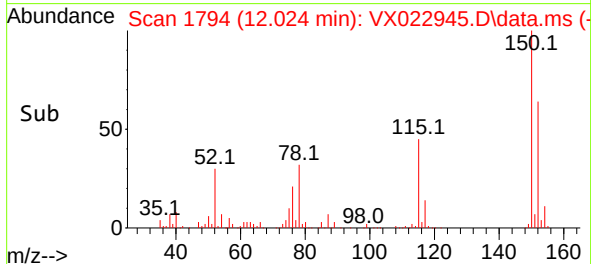
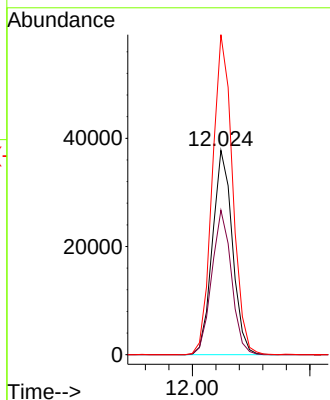
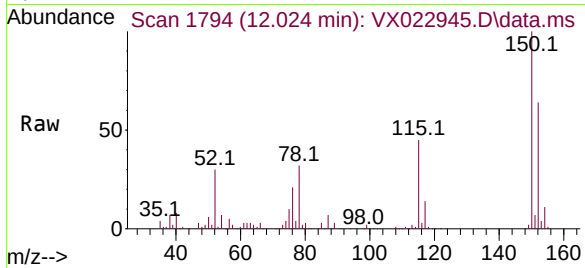




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022945.D
 Acq: 26 Jun 2021 01:03

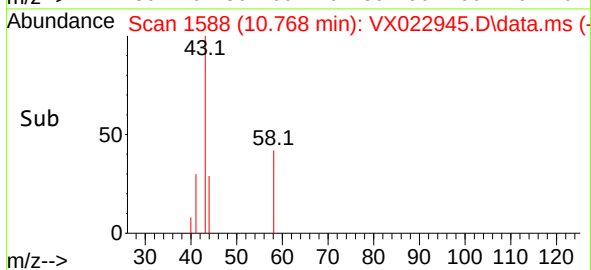
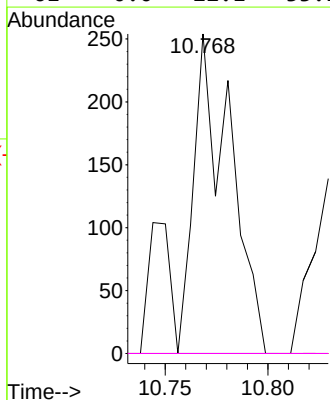
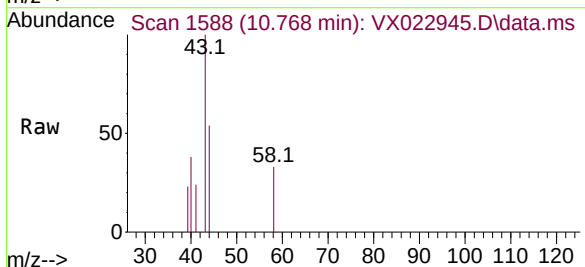
Instrument :
 MSVOA_X
 ClientSampleId :

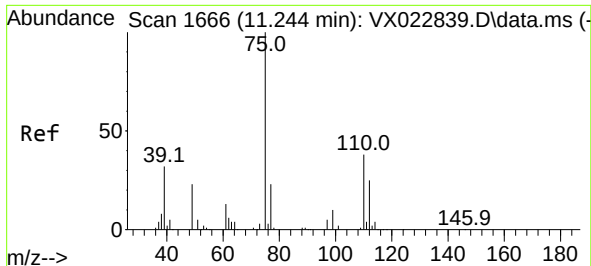
Tgt Ion:152 Resp: 44490
 Ion Ratio Lower Upper
 152 100
 115 69.8 41.1 123.3
 150 159.0 0.0 349.0



#74
 N-ethyl acetate
 Concen: 2.20 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.079 min
 Lab File: VX022945.D
 Acq: 26 Jun 2021 01:03

Tgt Ion: 43 Resp: 313
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.6#
 55 0.0 21.5 32.3#
 61 0.0 22.1 33.1#

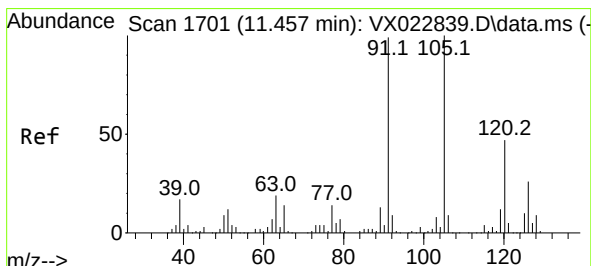
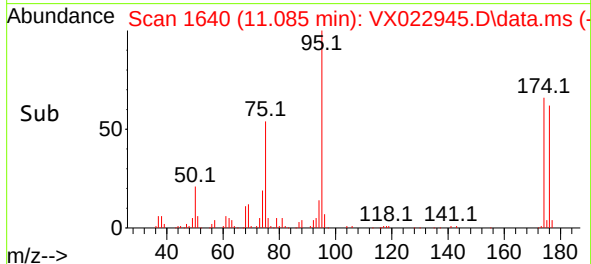
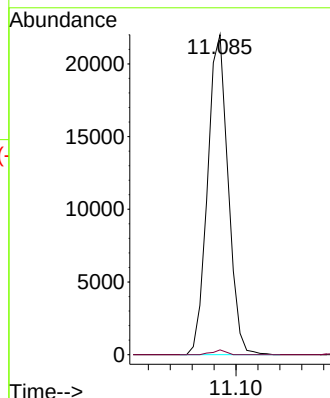
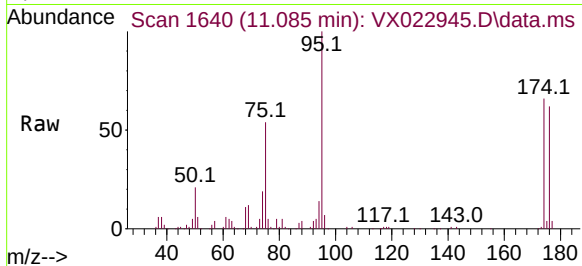




#76
1,2,3-Trichloropropane
Concen: 24.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

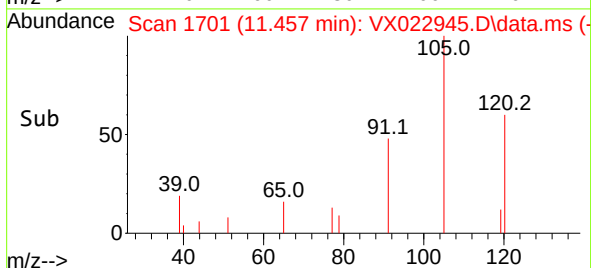
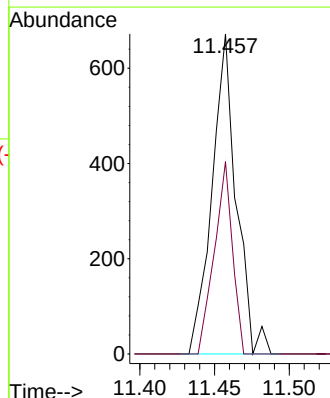
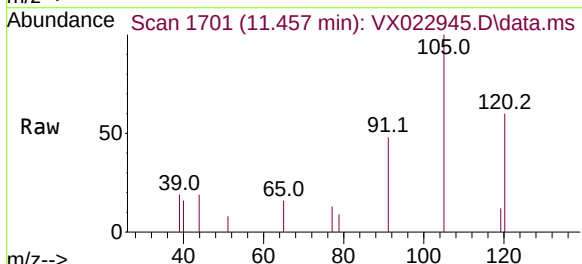
Instrument :
MSVOA_X
ClientSampled :

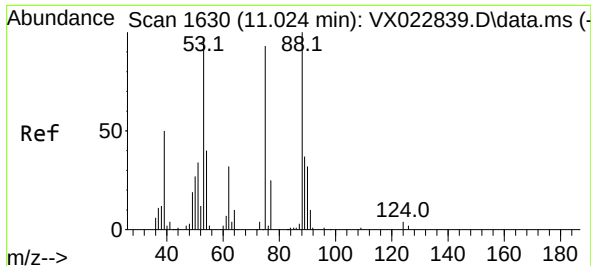
Tgt Ion: 75 Resp: 28599
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.25 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion: 105 Resp: 759
Ion Ratio Lower Upper
105 100
120 44.8 23.8 71.5

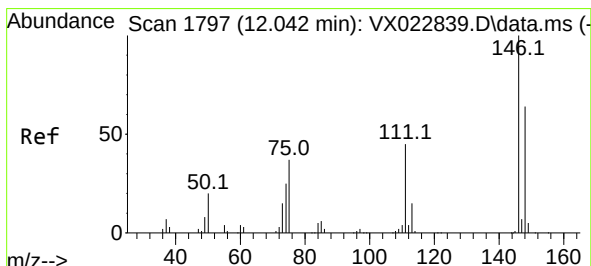
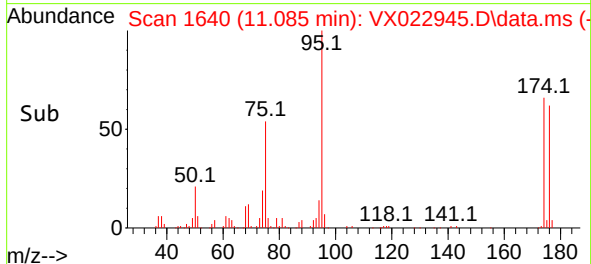
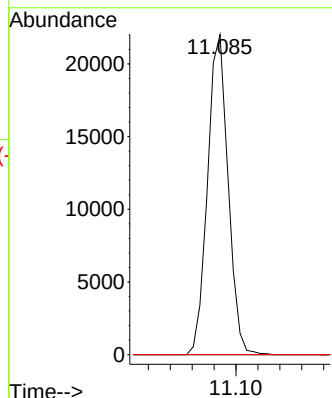
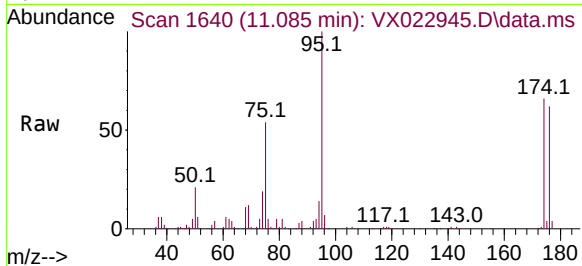




#81
trans-1,4-Dichloro-2-butene
Concen: 63.69 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

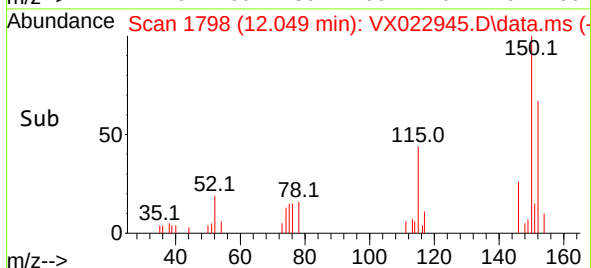
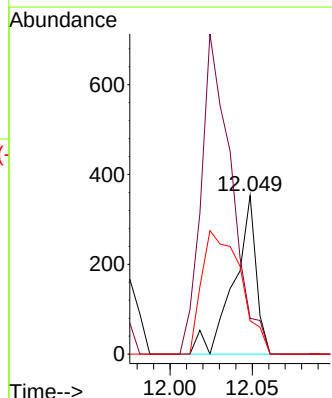
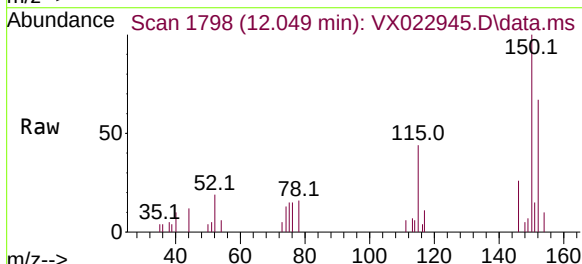
Instrument :
MSVOA_X
ClientSampled :

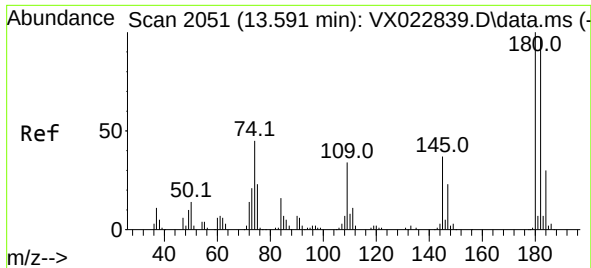
Tgt Ion: 75 Resp: 28599
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. 0.007 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion:146 Resp: 330
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.8#
148 0.0 31.6 95.0#

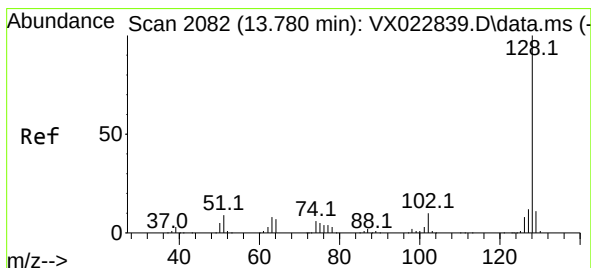
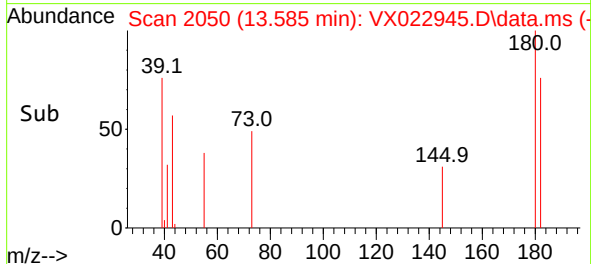
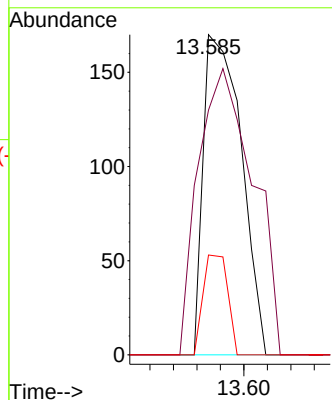
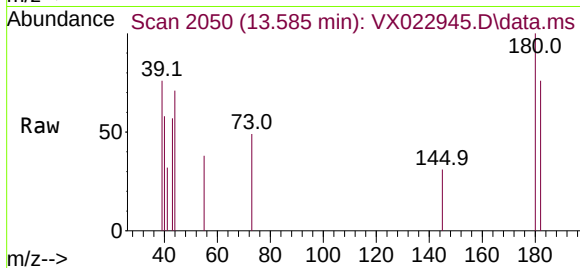




#93
1,2,4-Trichlorobenzene
Concen: 0.23 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:180 Resp: 191
Ion Ratio Lower Upper
180 100
182 129.3 47.7 143.1
145 19.9 15.0 45.0



#95
Naphthalene
Concen: 2.04 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022945.D
Acq: 26 Jun 2021 01:03

Tgt Ion:128 Resp: 452
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

