

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023740.D
 Acq On : 16 Aug 2021 16:01
 Operator : JC/MD
 Sample : M3407-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:17:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

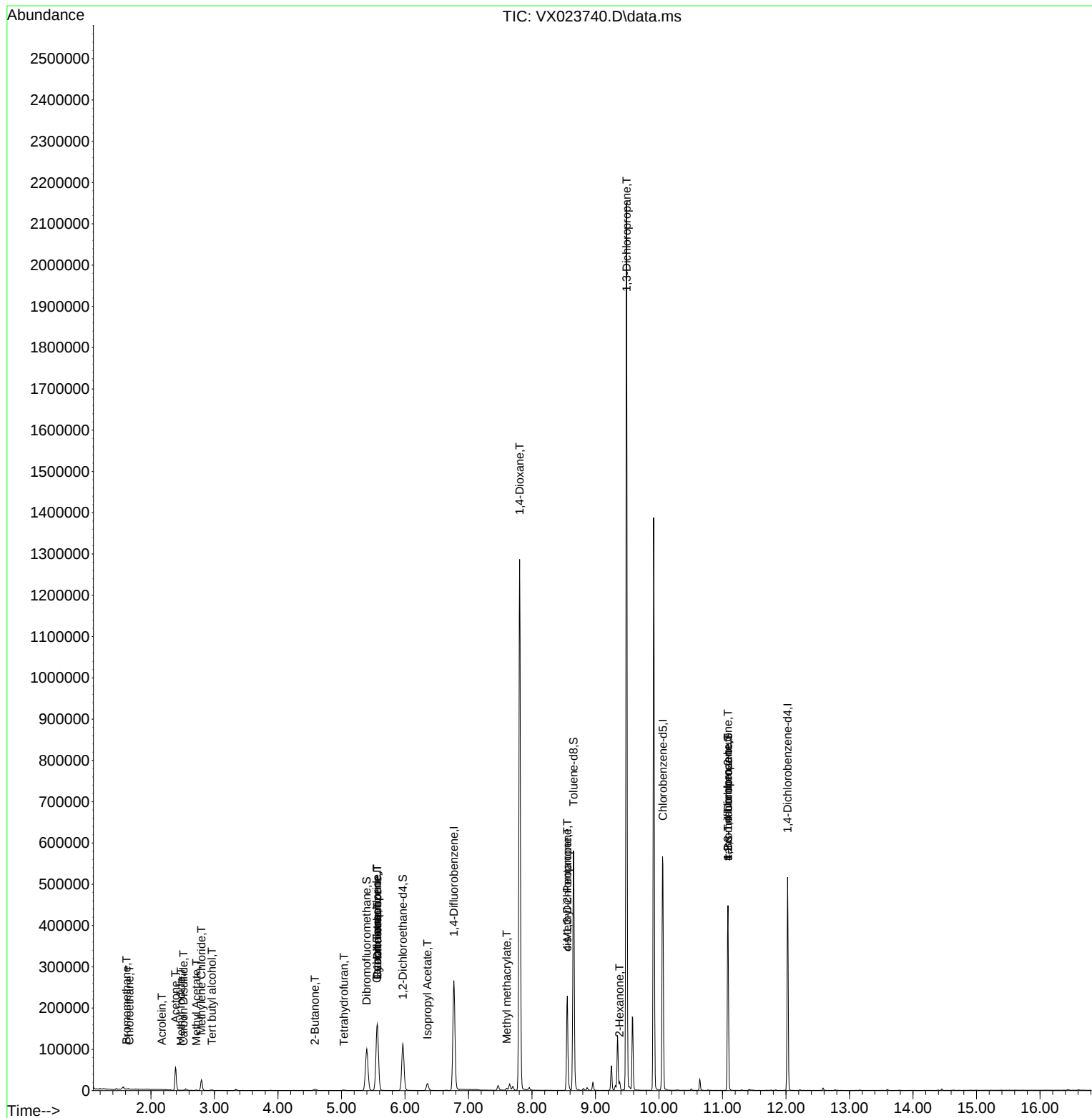
Internal Standards						
1) Pentafluorobenzene	5.562	168	151305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	261882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	253713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108252	57.355	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 114.720%		
35) Dibromofluoromethane	5.397	113	83863	51.217	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.440%		
50) Toluene-d8	8.653	98	330940	55.011	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 110.020%		
62) 4-Bromofluorobenzene	11.085	95	112984	55.232	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.460%		
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	609	0.625	ug/l #	58
6) Chloroethane	1.660	64	328	0.326	ug/l #	85
10) Methyl Iodide	2.471	142	537	0.286	ug/l #	87
11) Tert butyl alcohol	2.959	59	1215	2.818	ug/l #	78
13) Acrolein	2.172	56	21	1.459	ug/l #	1
16) Acetone	2.386	43	58555	63.245	ug/l	89
17) Carbon Disulfide	2.514	76	746	0.203	ug/l #	75
18) Methyl Acetate	2.715	43	1682	0.764	ug/l #	73
20) Methylene Chloride	2.794	84	11276	6.261	ug/l #	84
25) 2-Butanone	4.581	43	4547	3.163	ug/l	96
29) Tetrahydrofuran	5.038	42	1022	1.085	ug/l #	73
31) Cyclohexane	5.562	56	3673	1.314	ug/l #	32
36) 1,1-Dichloropropene	5.562	75	11748	4.959	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16074	6.672	ug/l #	16
43) Isopropyl Acetate	6.355	43	22859	4.939	ug/l #	91
48) Methyl methacrylate	7.604	41	7116	3.320	ug/l #	10
49) 1,4-Dioxane	7.806	88	170	3.724	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	79617	28.124	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34344	12.129	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	16893	5.642	ug/l #	42
59) 2-Hexanone	9.378	43	11165	5.194	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	60549	27.267	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60549	73.318	ug/l #	12

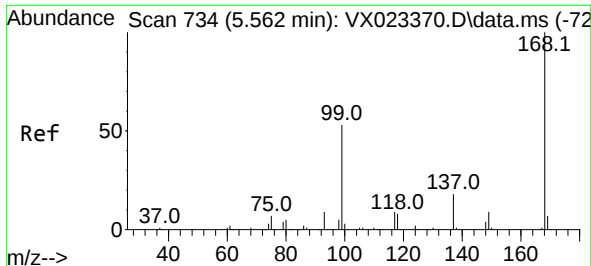
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Aug 17 06:17:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

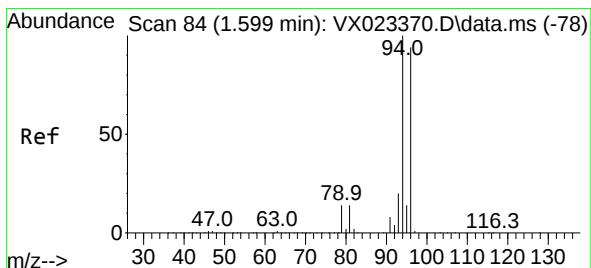
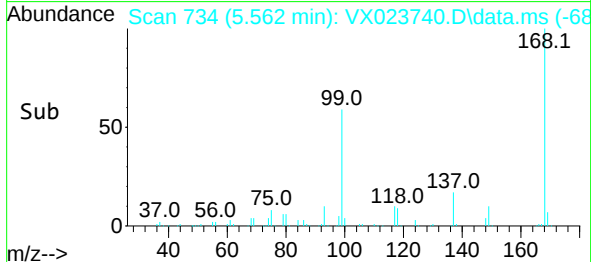
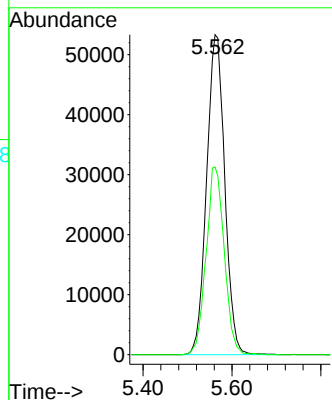
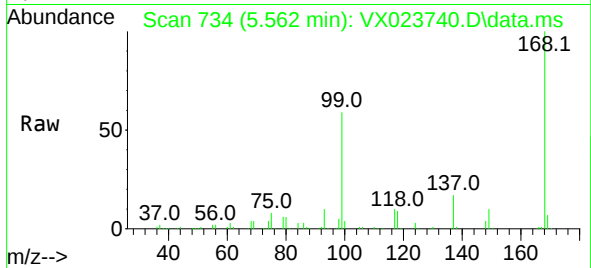




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

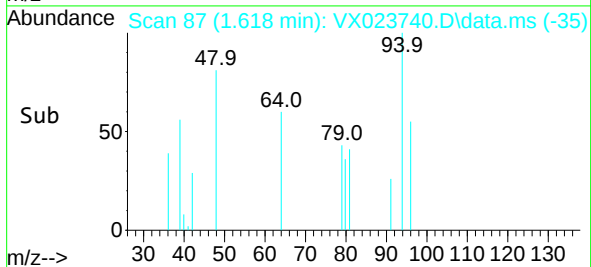
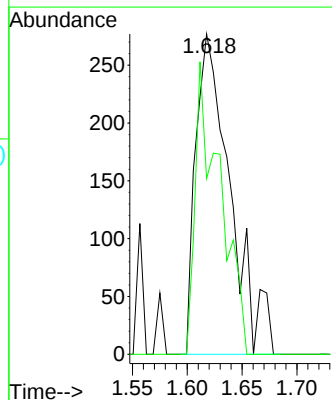
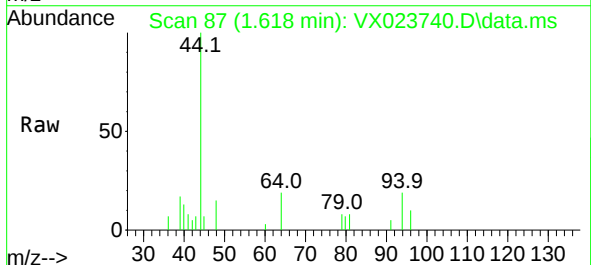
Instrument :
MSVOA_X
ClientSampled :

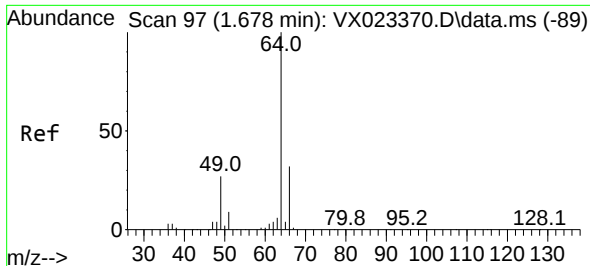
Tgt Ion:168 Resp: 151305
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#5
Bromomethane
Concen: 0.625 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 54.9 76.4 114.6#

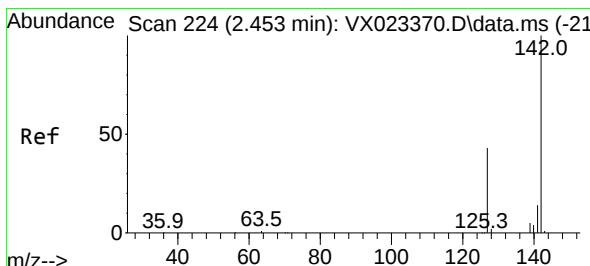
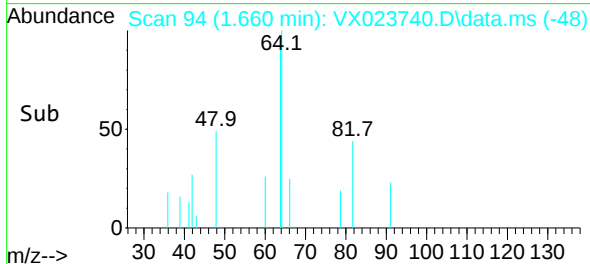
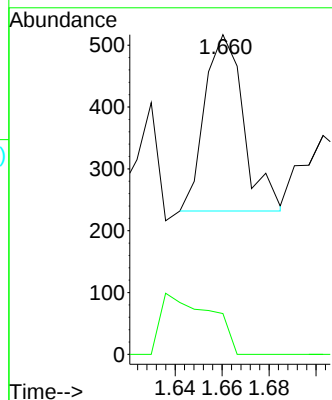
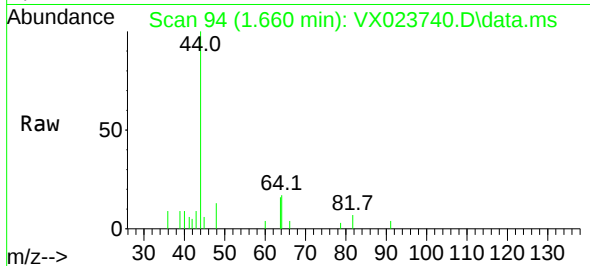




#6
Chloroethane
Concen: 0.326 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

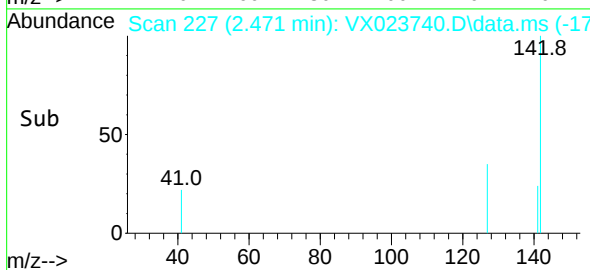
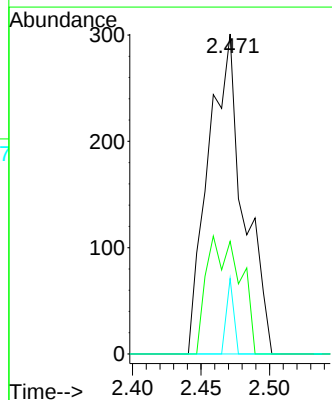
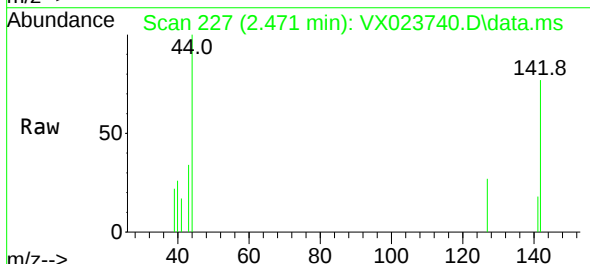
Instrument :
MSVOA_X
ClientSampled :

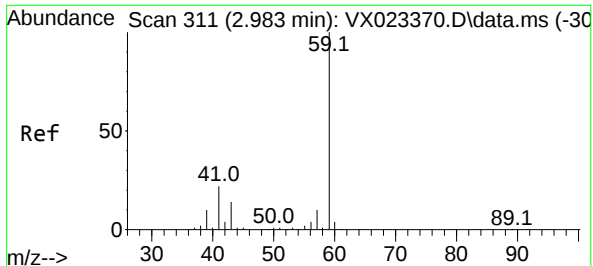
Tgt Ion: 64 Resp: 328
Ion Ratio Lower Upper
64 100
66 23.2 25.4 38.0#



#10
Methyl Iodide
Concen: 0.286 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 142 Resp: 537
Ion Ratio Lower Upper
142 100
127 35.2 33.3 49.9
141 4.8 11.4 17.0#



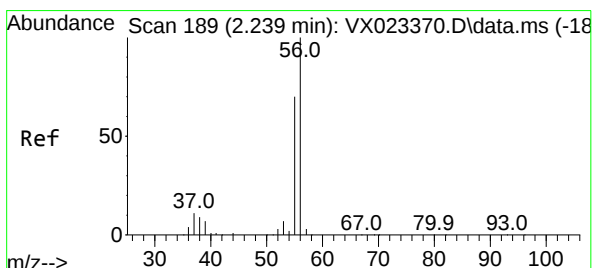
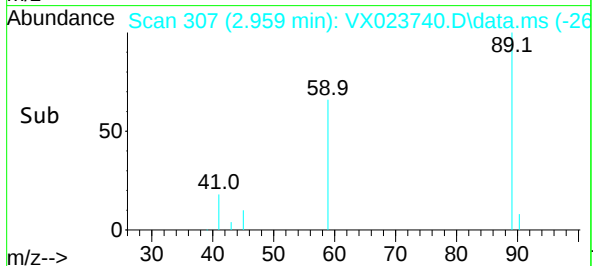
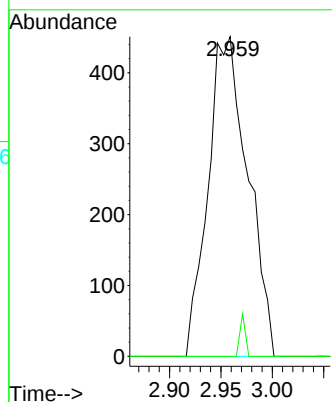
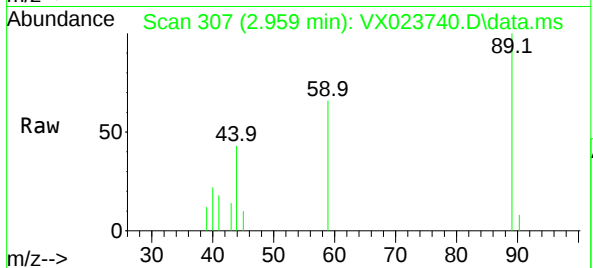


#11

Tert butyl alcohol
Concen: 2.818 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Instrument :
MSVOA_X
ClientSampled :

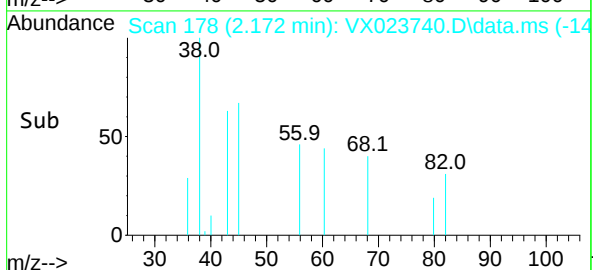
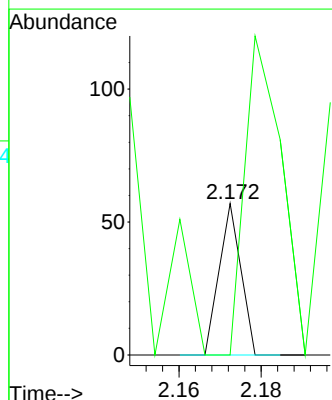
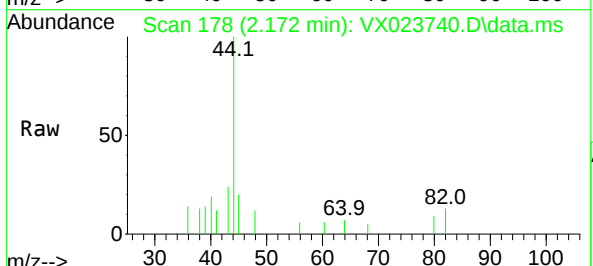
Tgt Ion: 59 Resp: 1215
Ion Ratio Lower Upper
59 100
57 1.8 7.8 11.8#

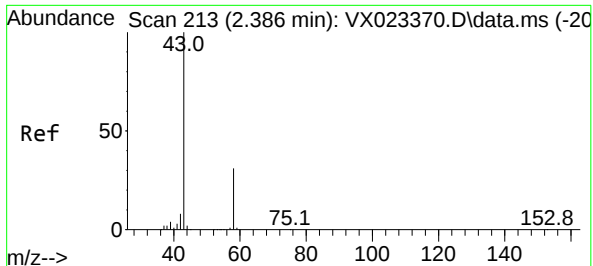


#13

Acrolein
Concen: 1.459 ug/l
RT: 2.172 min Scan# 178
Delta R.T. -0.067 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 347.6 56.4 84.6#

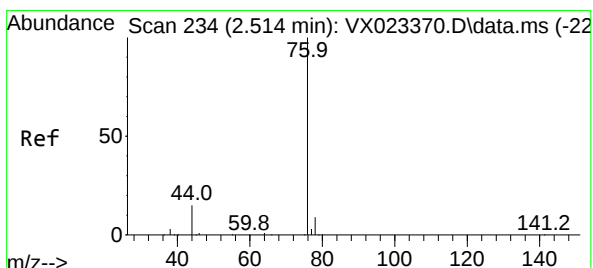
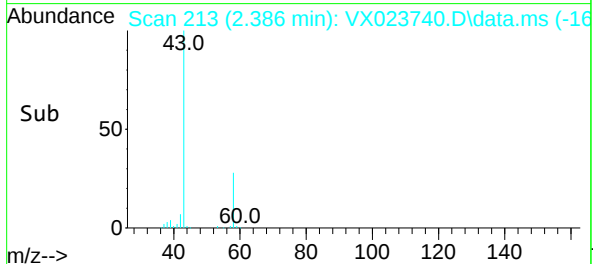
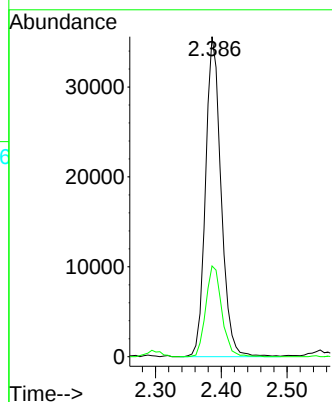
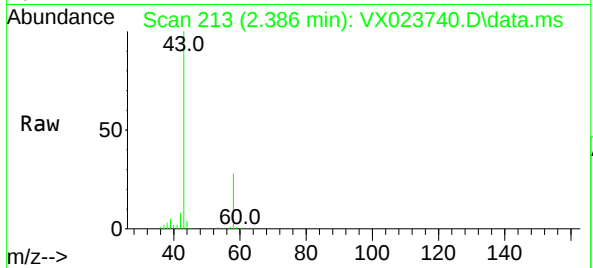




#16
Acetone
Concen: 63.245 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

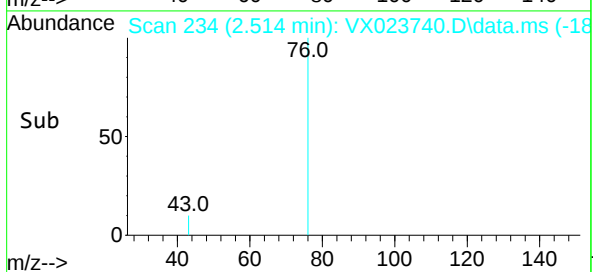
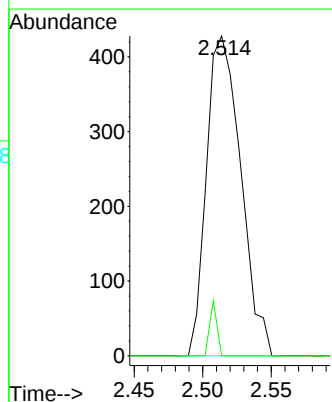
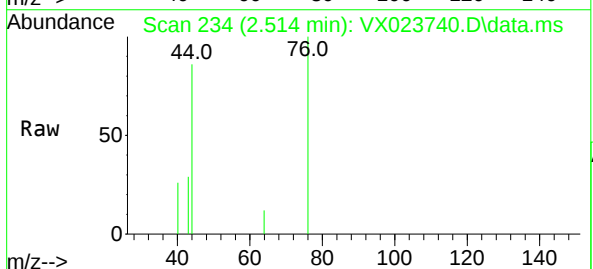
Instrument :
MSVOA_X
ClientSampled :

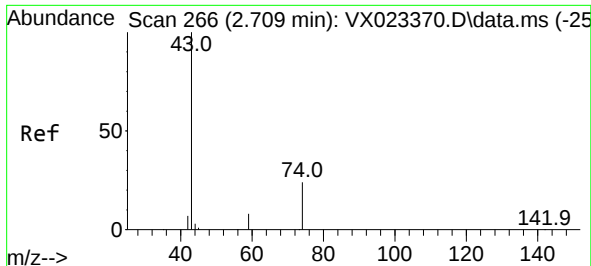
Tgt Ion: 43 Resp: 58555
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 76 Resp: 746
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

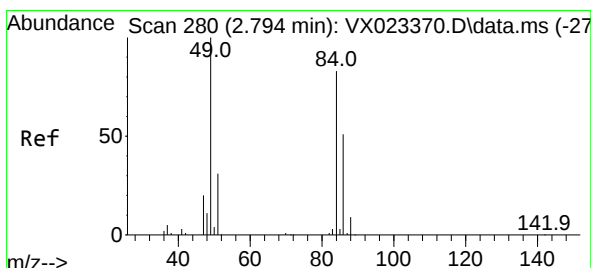
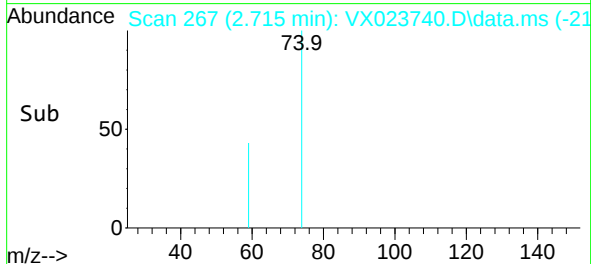
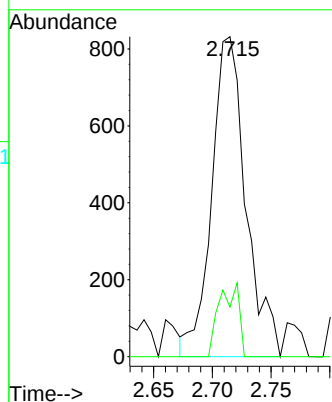
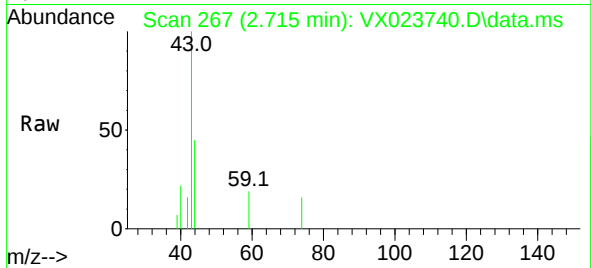




#18
Methyl Acetate
Concen: 0.764 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

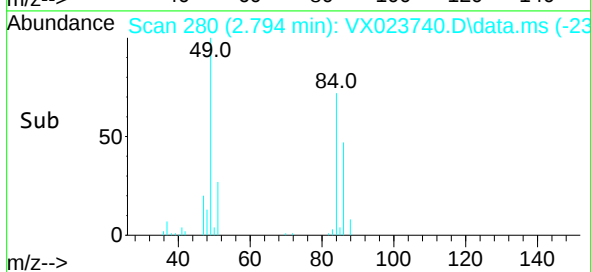
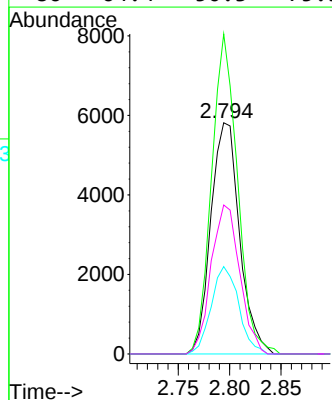
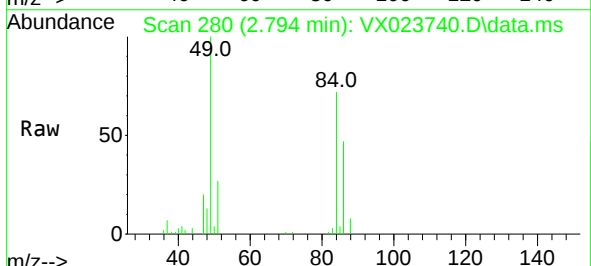
Instrument :
MSVOA_X
ClientSampled :

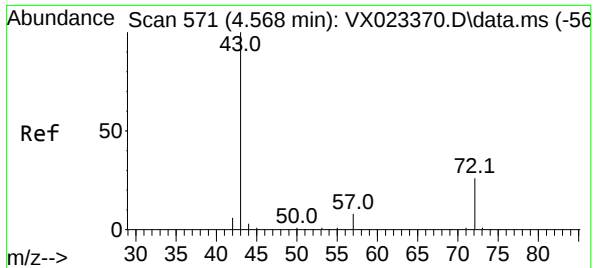
Tgt Ion: 43 Resp: 1682
Ion Ratio Lower Upper
43 100
74 13.2 21.9 32.9#



#20
Methylene Chloride
Concen: 6.261 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 84 Resp: 11276
Ion Ratio Lower Upper
84 100
49 138.4 88.6 132.8#
51 37.8 27.0 40.6
86 64.4 50.3 75.5

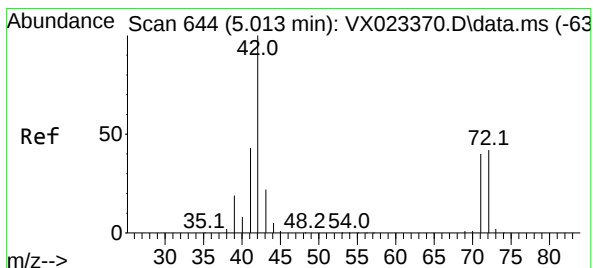
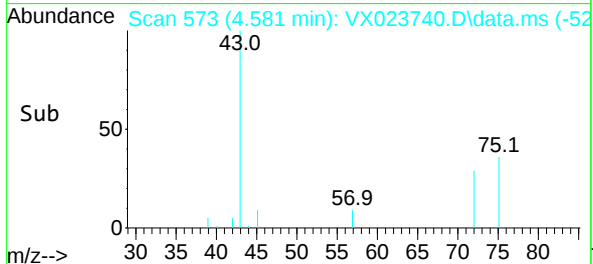
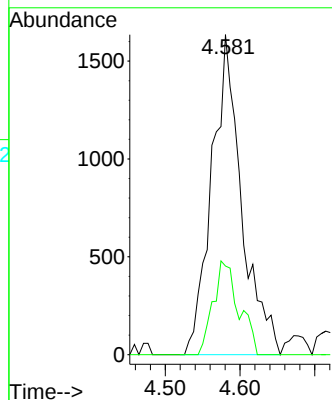
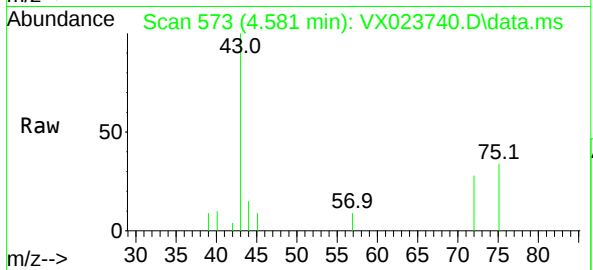




#25
2-Butanone
Concen: 3.163 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

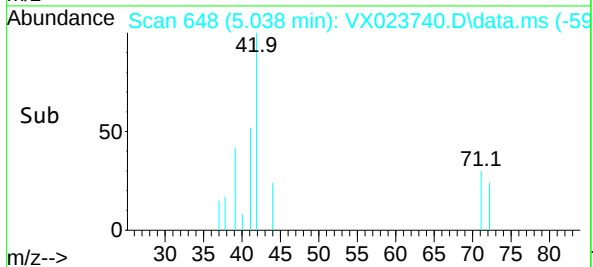
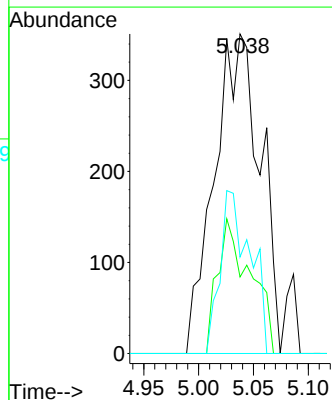
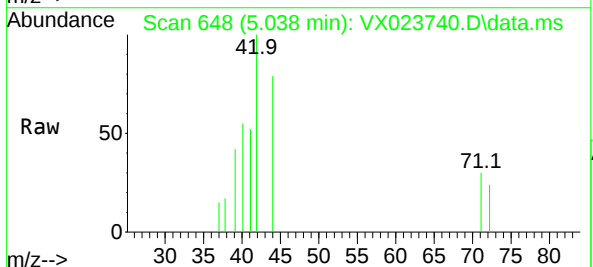
Instrument :
MSVOA_X
ClientSampled :

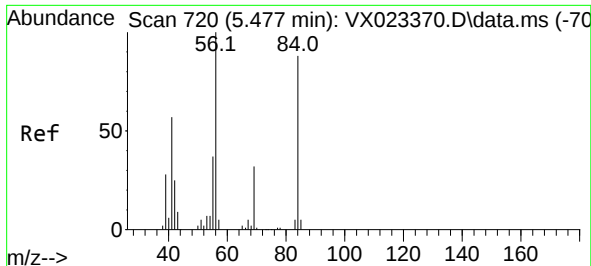
Tgt Ion: 43 Resp: 4547
Ion Ratio Lower Upper
43 100
72 27.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.085 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

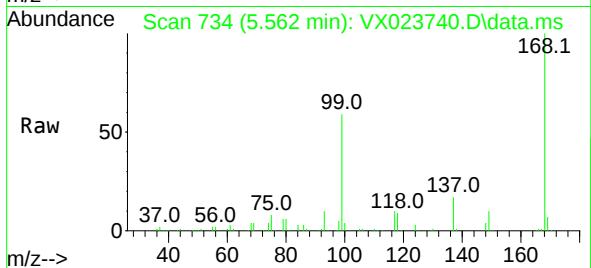
Tgt Ion: 42 Resp: 1022
Ion Ratio Lower Upper
42 100
72 30.4 41.7 62.5#
71 33.3 38.4 57.6#



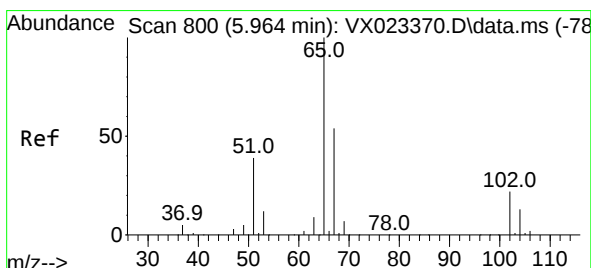
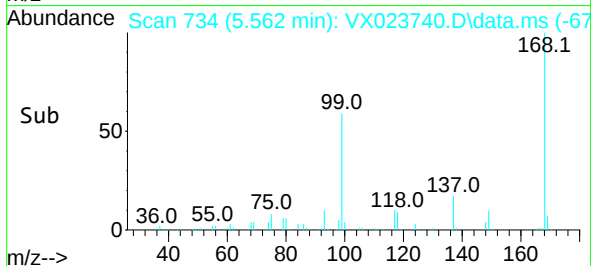
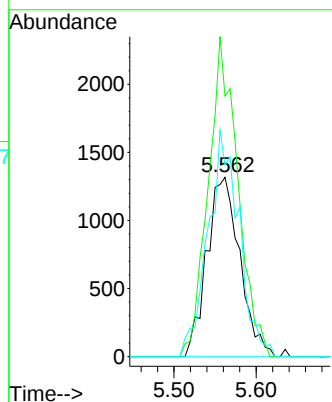


#31
Cyclohexane
Concen: 1.314 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Instrument :
MSVOA_X
ClientSampled :

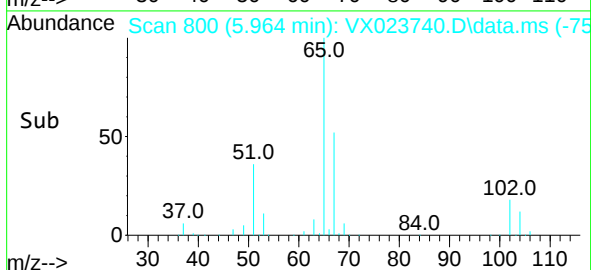
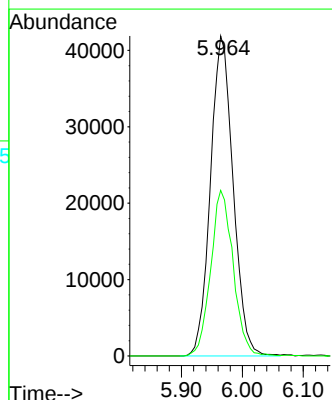
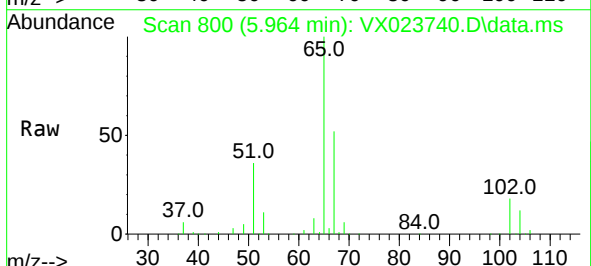


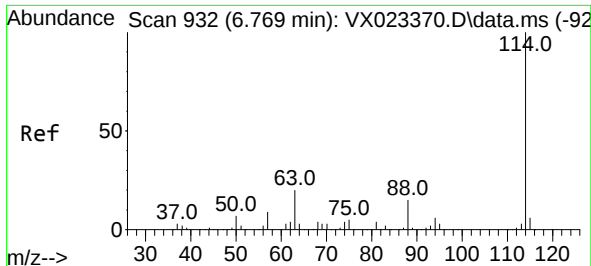
Tgt Ion: 56 Resp: 3673
Ion Ratio Lower Upper
56 100
69 145.3 25.3 37.9#
84 106.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 57.355 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 65 Resp: 108252
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4

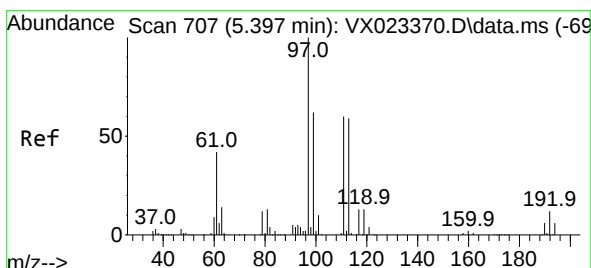
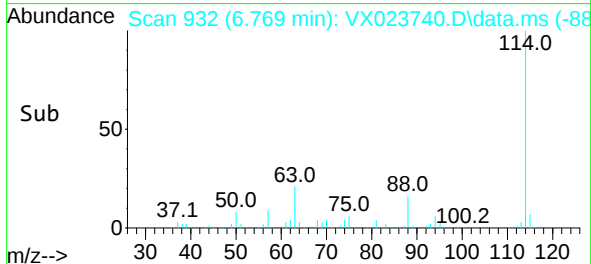
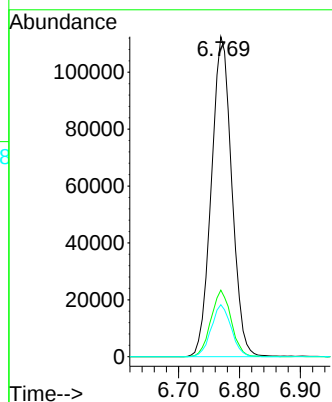
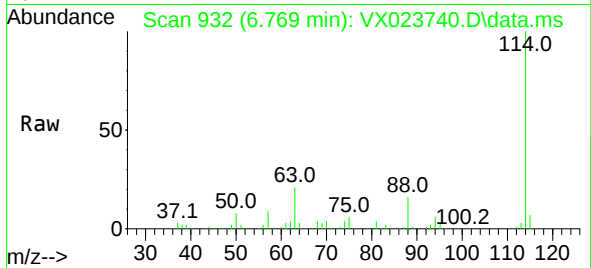




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

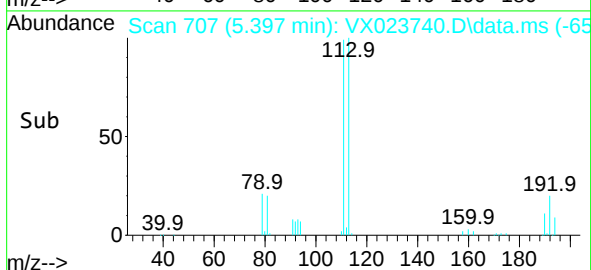
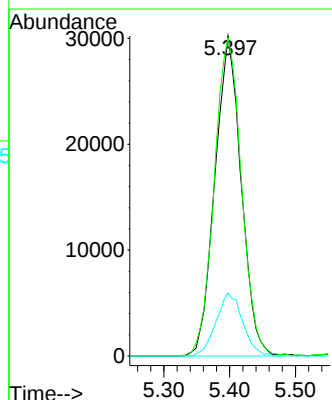
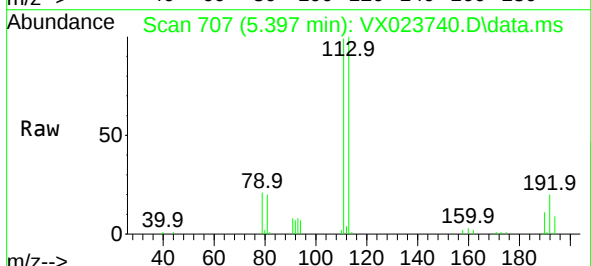
Instrument :
MSVOA_X
ClientSampled :

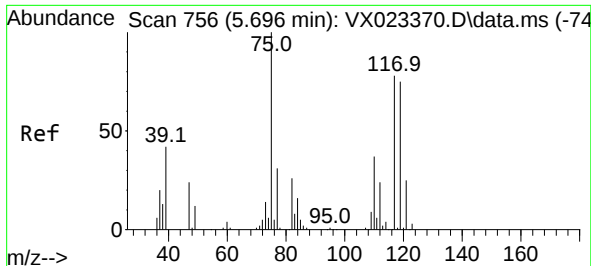
Tgt Ion:114 Resp: 261882
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.217 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion:113 Resp: 83863
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023740.D

Acq: 16 Aug 2021 16:01

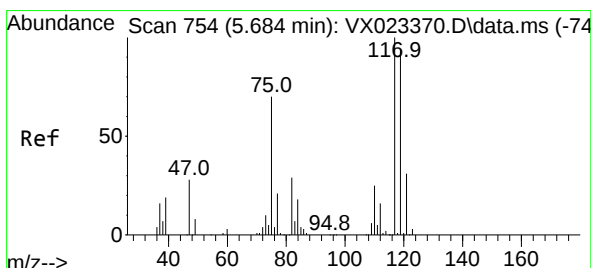
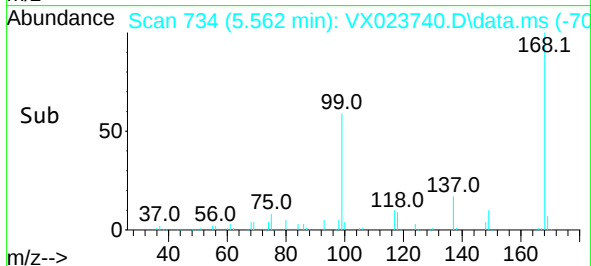
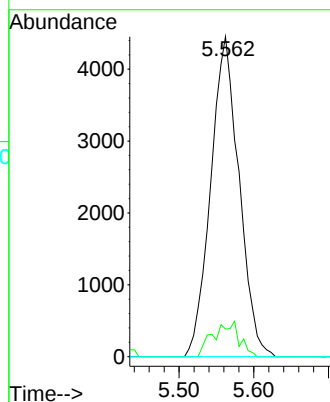
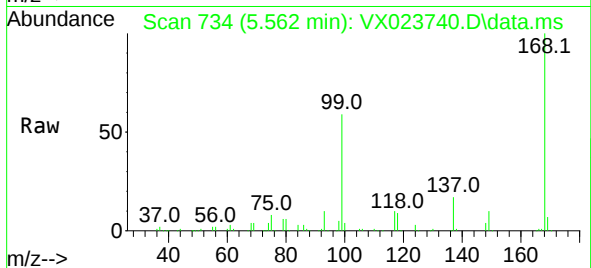
Tgt Ion: 75 Resp: 11748

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.672 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX023740.D

Acq: 16 Aug 2021 16:01

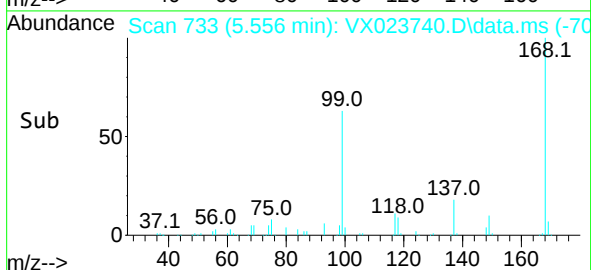
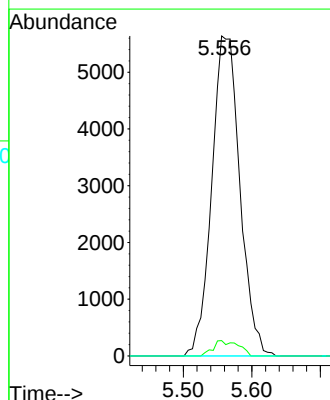
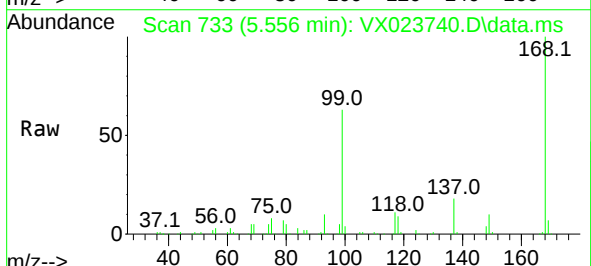
Tgt Ion: 117 Resp: 16074

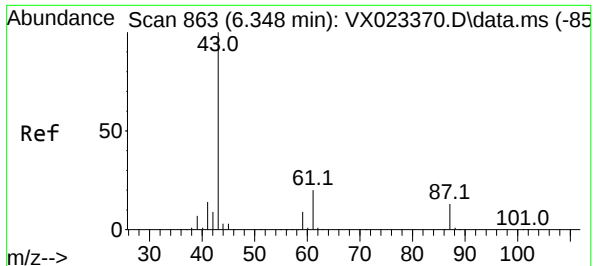
Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

121 0.0 24.8 37.2#

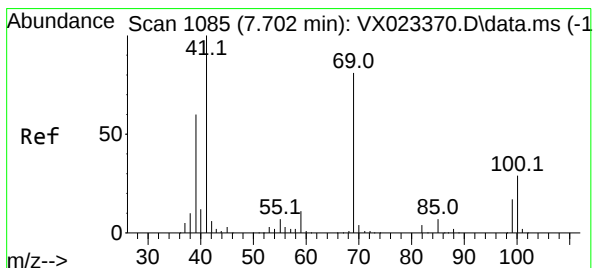
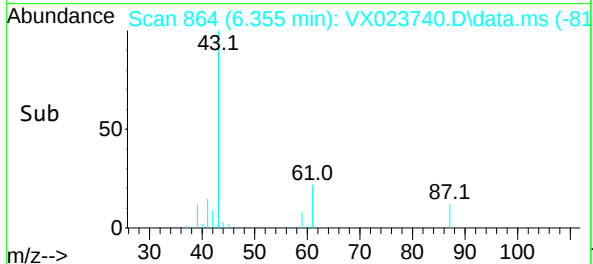
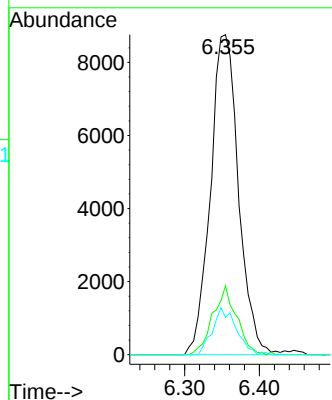
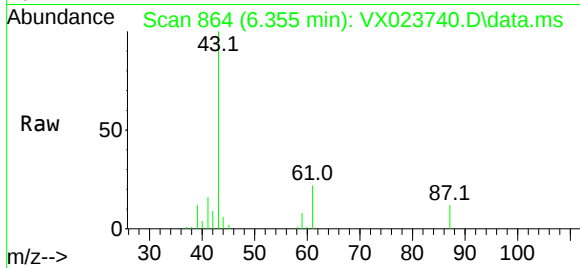




#43
Isopropyl Acetate
Concen: 4.939 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

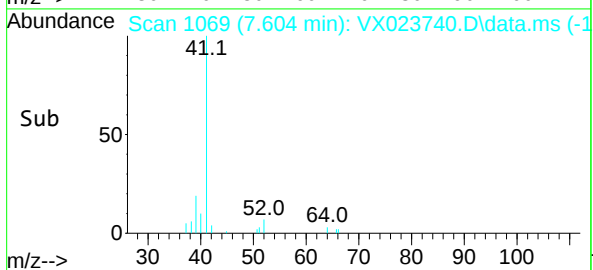
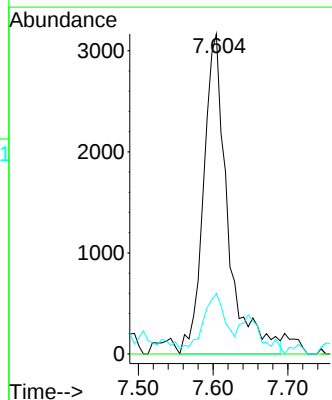
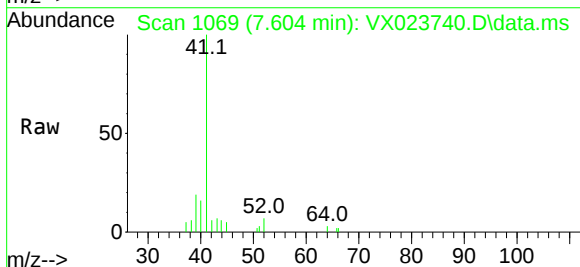
Instrument :
MSVOA_X
ClientSampled :

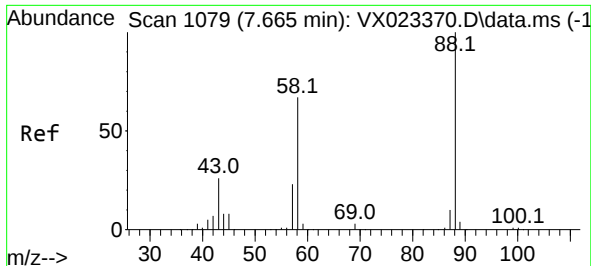
Tgt Ion:	43	Resp:	22859
Ion Ratio	Lower	Upper	
43	100		
61	18.2	18.2	27.4#
87	12.5	12.5	18.7#



#48
Methyl methacrylate
Concen: 3.320 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion:	41	Resp:	7116
Ion Ratio	Lower	Upper	
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 3.724 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX023740.D

Acq: 16 Aug 2021 16:01

Tgt Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

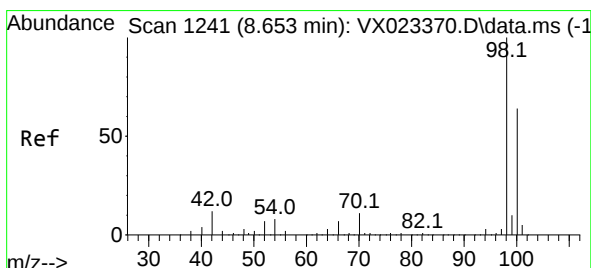
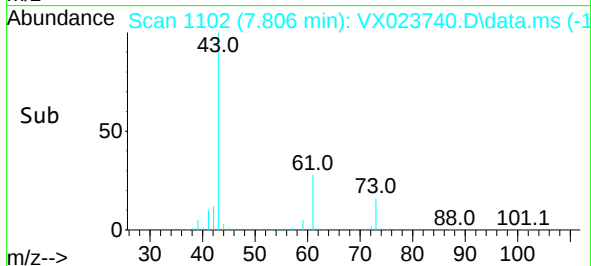
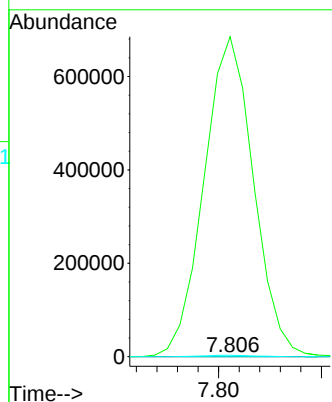
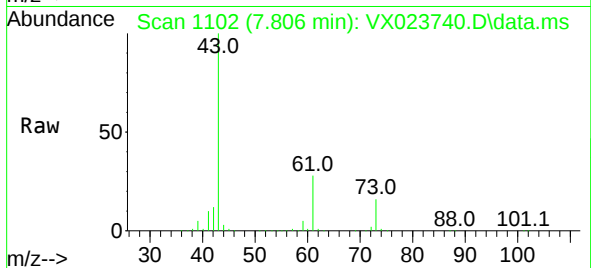
43 679065.9 23.2 34.8#

58 3141.2 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 55.011 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023740.D

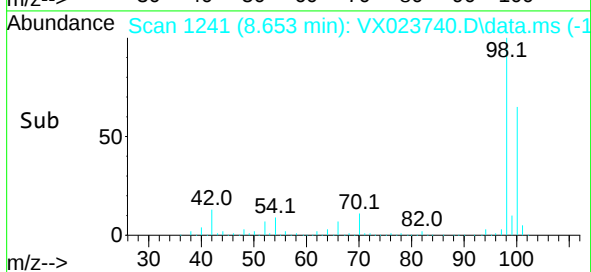
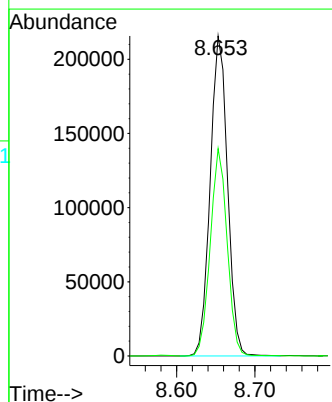
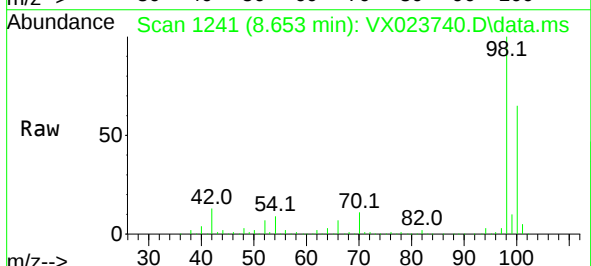
Acq: 16 Aug 2021 16:01

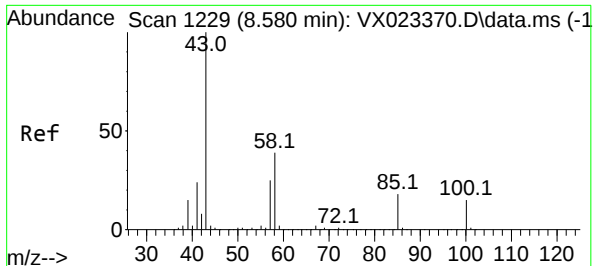
Tgt Ion: 98 Resp: 330940

Ion Ratio Lower Upper

98 100

100 63.2 51.9 77.9

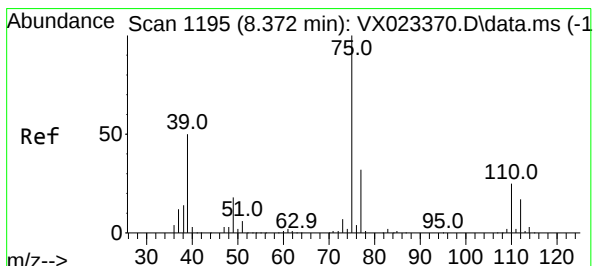
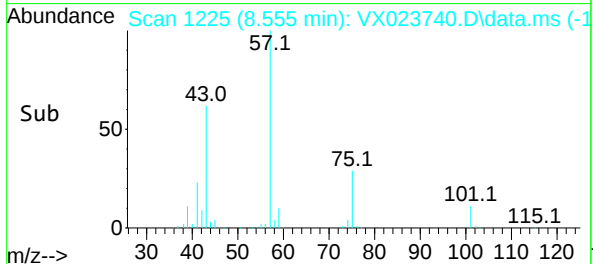
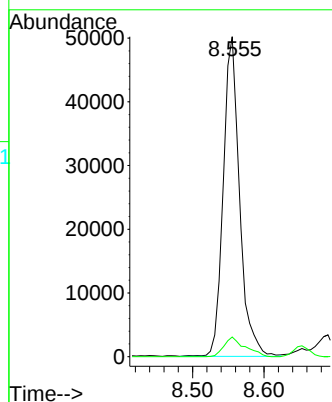
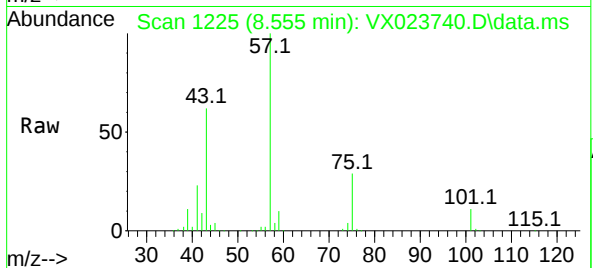




#51
4-Methyl-2-Pentanone
Concen: 28.124 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

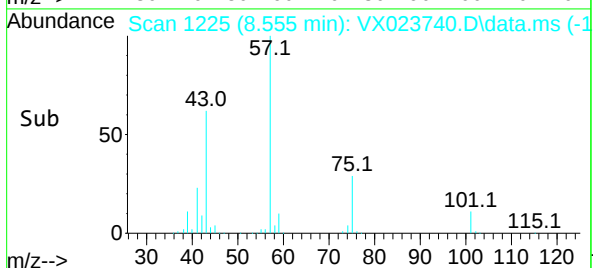
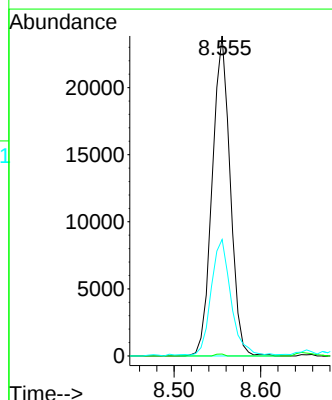
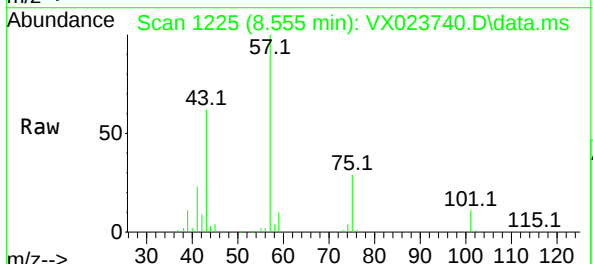
Instrument :
MSVOA_X
ClientSampled :

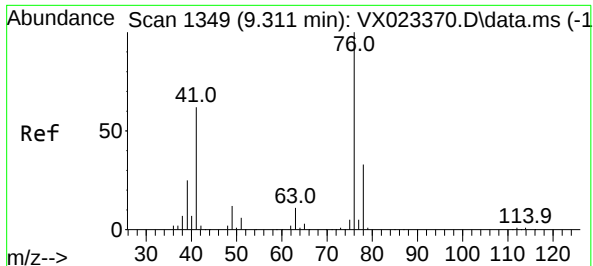
Tgt Ion: 43 Resp: 79617
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.129 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 75 Resp: 34344
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 36.0 35.1 52.7



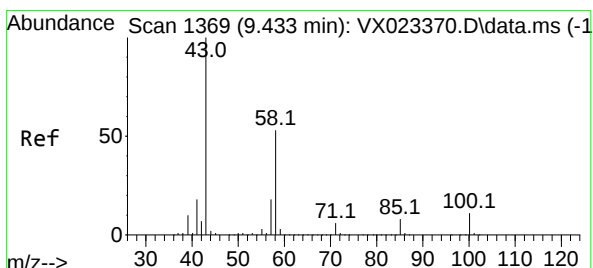
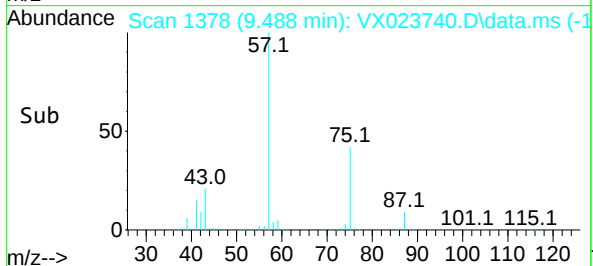
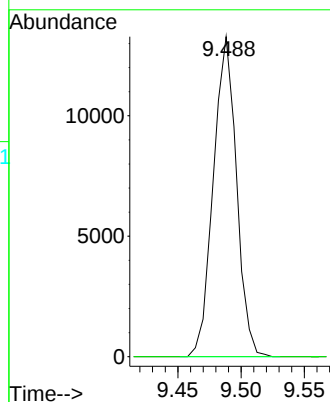
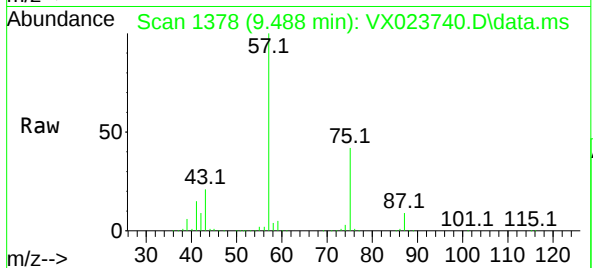


#57

1,3-Dichloropropane
Concen: 5.642 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Instrument :
MSVOA_X
ClientSampled :

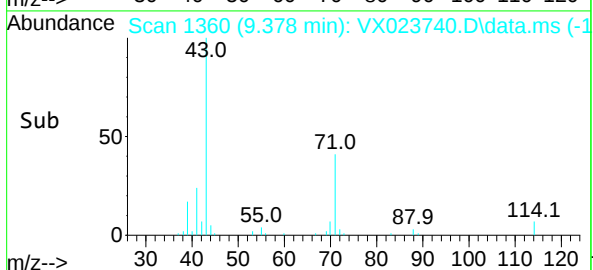
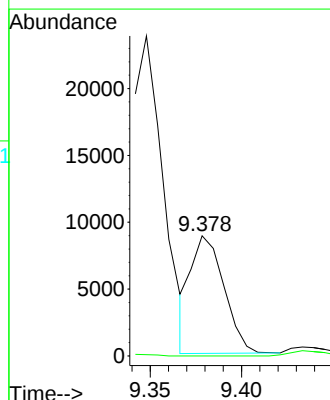
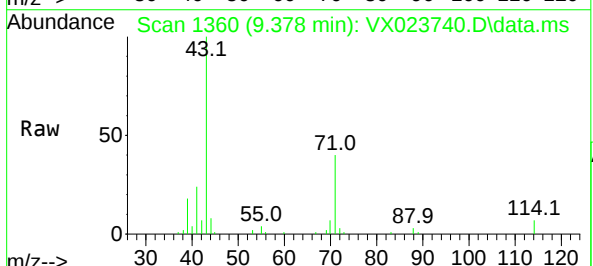
Tgt Ion: 76 Resp: 16893
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

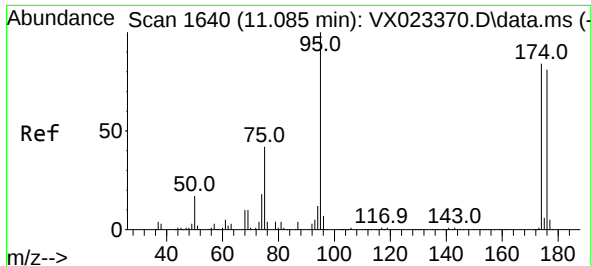


#59

2-Hexanone
Concen: 5.194 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 43 Resp: 11165
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

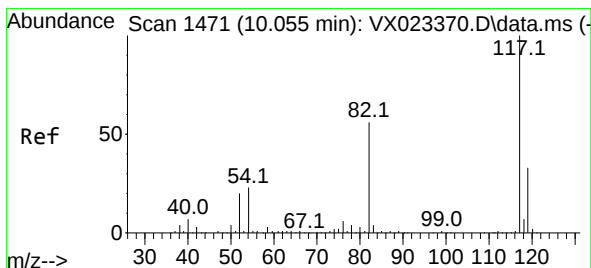
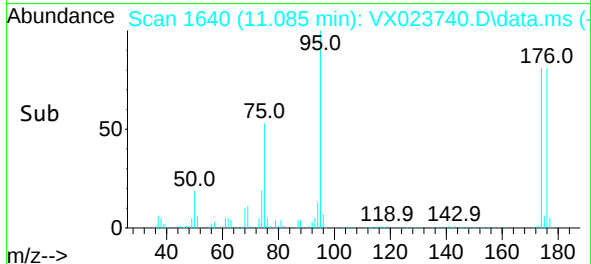
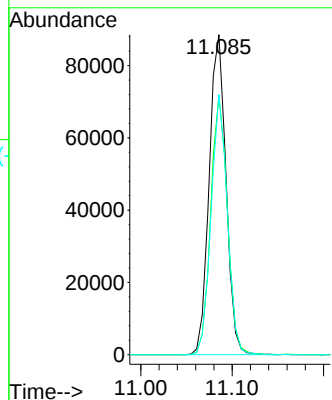
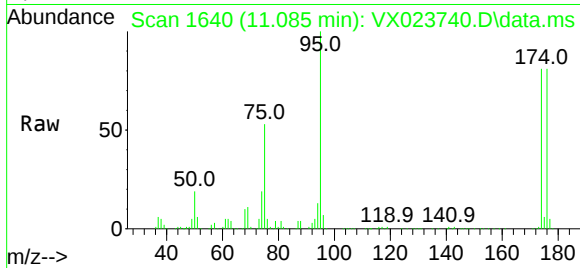




#62
4-Bromofluorobenzene
Concen: 55.232 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

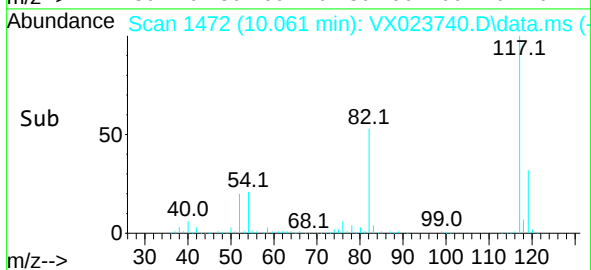
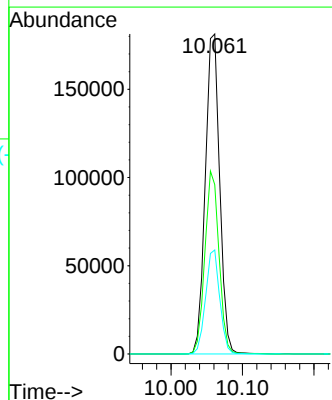
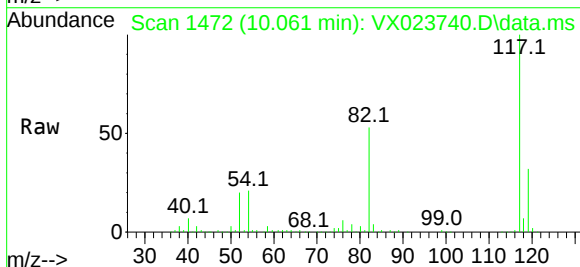
Instrument :
MSVOA_X
ClientSampleId :

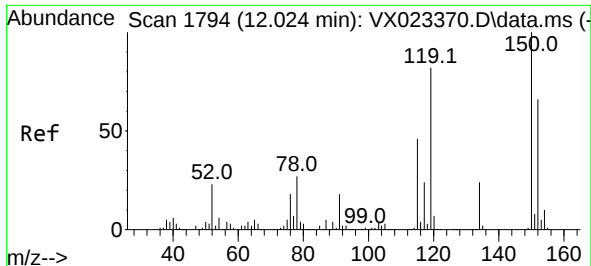
Tgt Ion: 95 Resp: 112984
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023740.D
Acq: 16 Aug 2021 16:01

Tgt Ion: 117 Resp: 253713
Ion Ratio Lower Upper
117 100
82 52.9 47.4 71.2
119 32.5 26.6 39.8

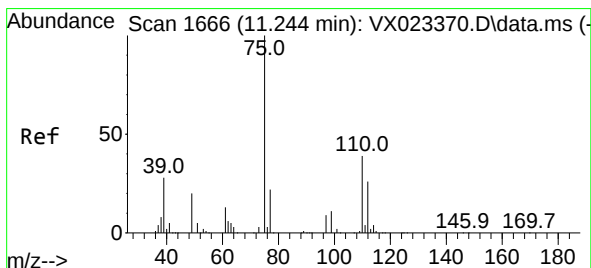
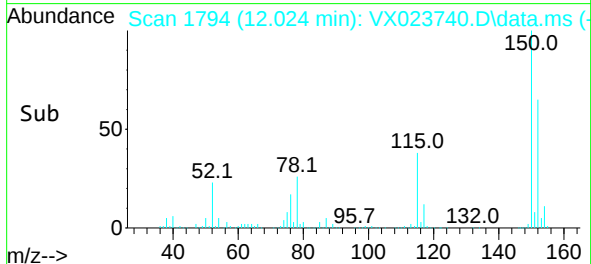
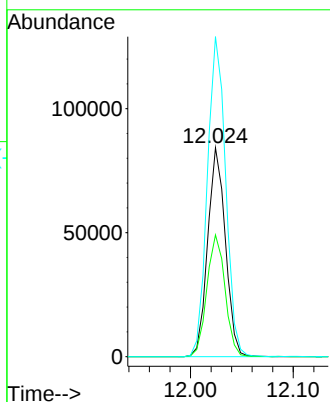
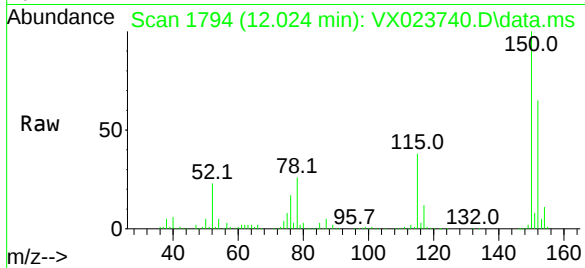




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023740.D
 Acq: 16 Aug 2021 16:01

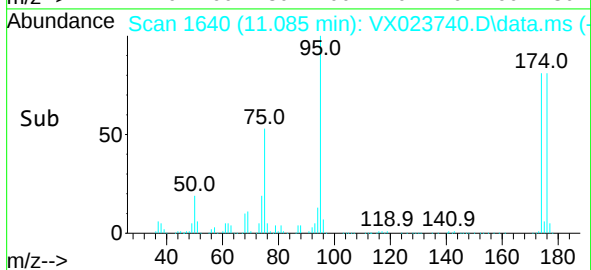
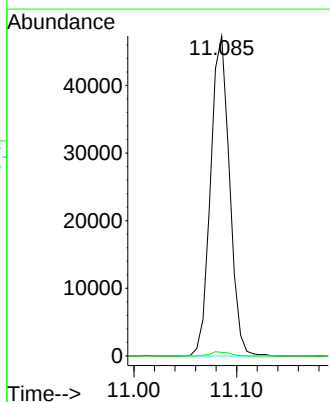
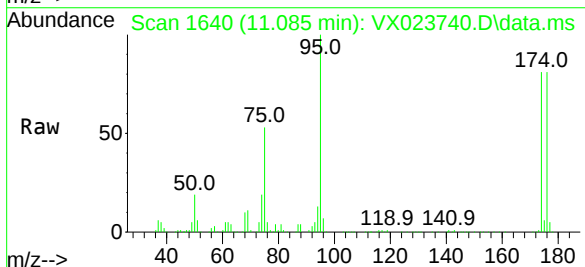
Instrument :
 MSVOA_X
 ClientSampled :

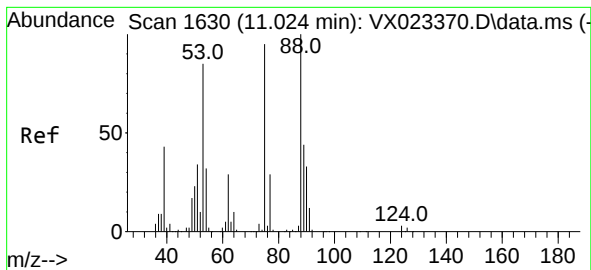
Tgt Ion:152 Resp: 100910
 Ion Ratio Lower Upper
 152 100
 115 59.8 41.1 123.3
 150 158.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.267 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023740.D
 Acq: 16 Aug 2021 16:01

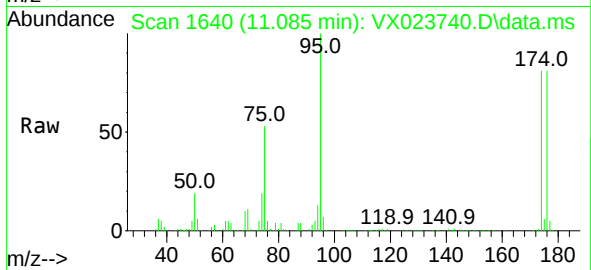
Tgt Ion: 75 Resp: 60549
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.318 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023740.D
 Acq: 16 Aug 2021 16:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 60549
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

