

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023698.D
 Acq On : 13 Aug 2021 18:11
 Operator : JC/MD
 Sample : PB138358ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:28:48 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)

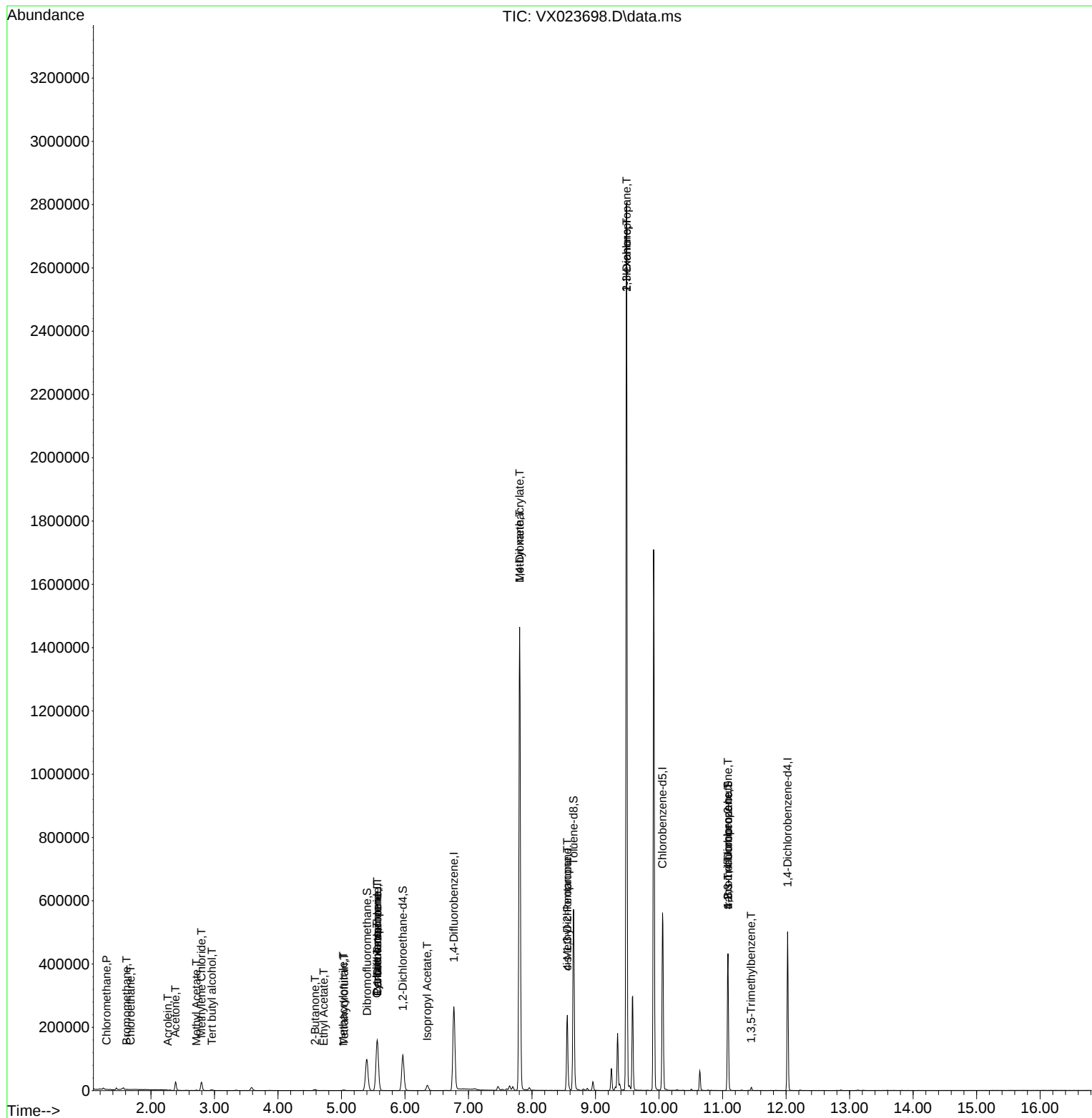
Internal Standards						
1) Pentafluorobenzene	5.562	168	152671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	260061	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108288	56.861	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.720%			
35) Dibromofluoromethane	5.403	113	83923	51.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.220%			
50) Toluene-d8	8.653	98	328209	54.939	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.880%			
62) 4-Bromofluorobenzene	11.085	95	108324	53.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.640%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	351	0.215	ug/l #	83
5) Bromomethane	1.617	94	354	0.360	ug/l #	68
6) Chloroethane	1.678	64	367	0.361	ug/l #	43
11) Tert butyl alcohol	2.959	59	1803	4.144	ug/l #	73
13) Acrolein	2.264	56	23	1.467	ug/l #	1
16) Acetone	2.386	43	27368	29.295	ug/l	95
18) Methyl Acetate	2.715	43	2078	0.936	ug/l #	76
20) Methylene Chloride	2.794	84	11533	6.347	ug/l #	87
25) 2-Butanone	4.586	43	4300	2.965	ug/l	91
29) Tetrahydrofuran	5.044	42	1558	1.639	ug/l #	85
31) Cyclohexane	5.556	56	3581	1.269	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	11742	4.991	ug/l #	49
37) Ethyl Acetate	4.721	43	655	0.221	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15370	6.424	ug/l #	17
41) Methacrylonitrile	5.025	41	1041	0.665	ug/l #	39
43) Isopropyl Acetate	6.348	43	22198	4.830	ug/l	92
48) Methyl methacrylate	7.805	41	129788	60.971	ug/l #	38
49) 1,4-Dioxane	7.805	88	187	4.126	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83450	29.684	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	35434	12.602	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	22292	7.497	ug/l #	43
59) 2-Hexanone	9.488	43	329126	154.170	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	58591	27.269	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	4233	0.705	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	58591	73.323	ug/l #	12

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

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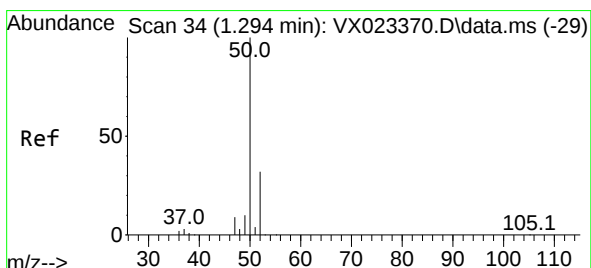
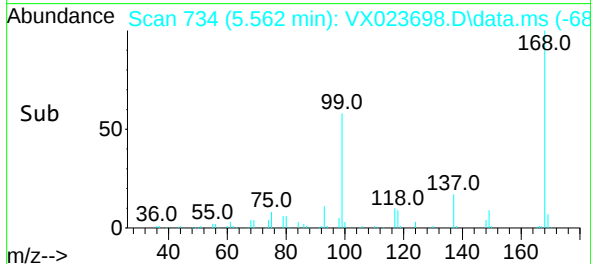
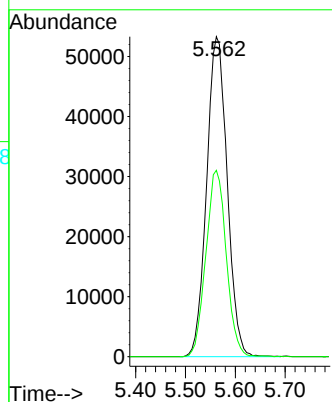
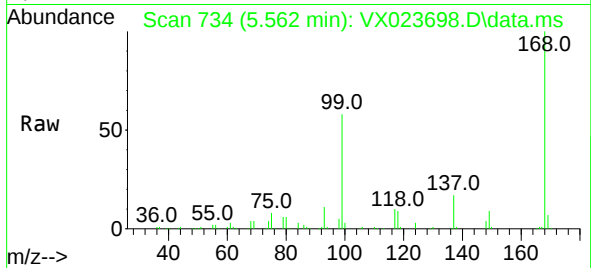




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

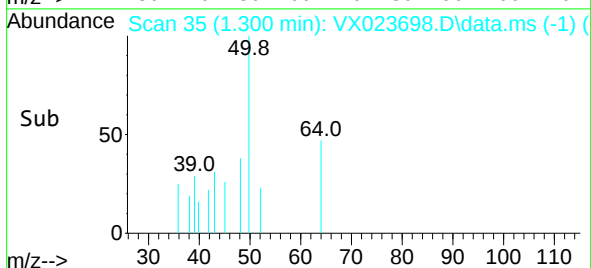
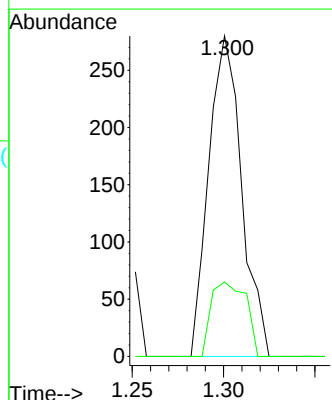
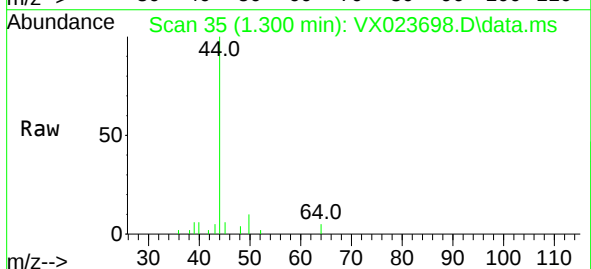
Instrument :
MSVOA_X
ClientSampled :

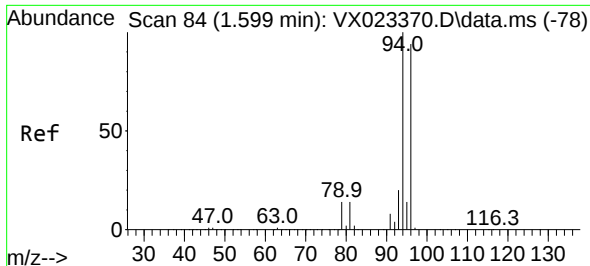
Tgt Ion:168 Resp: 152671
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 23.2 26.4 39.6#

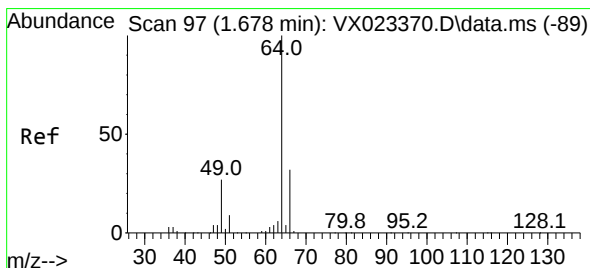
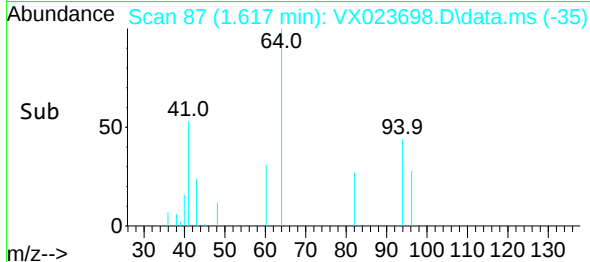
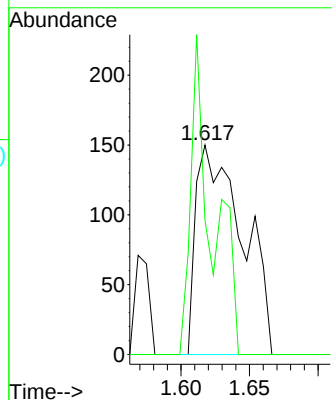
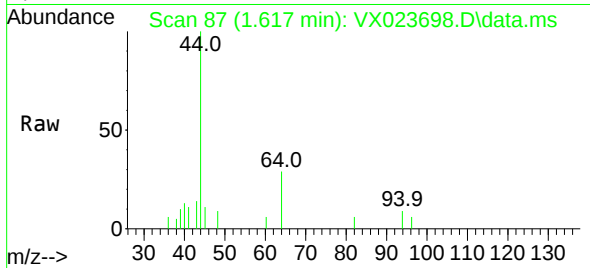




#5
Bromomethane
Concen: 0.360 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

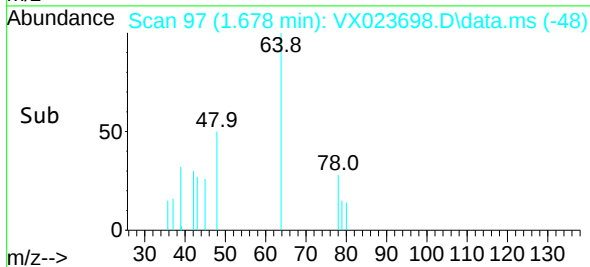
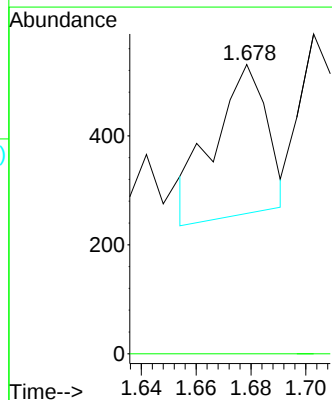
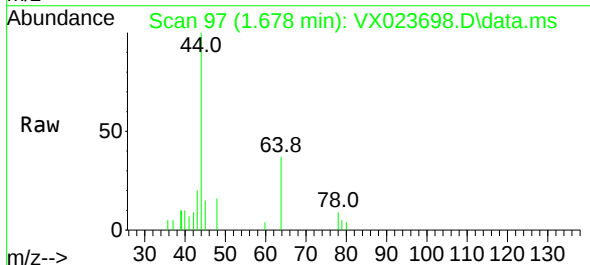
Instrument :
MSVOA_X
ClientSampled :

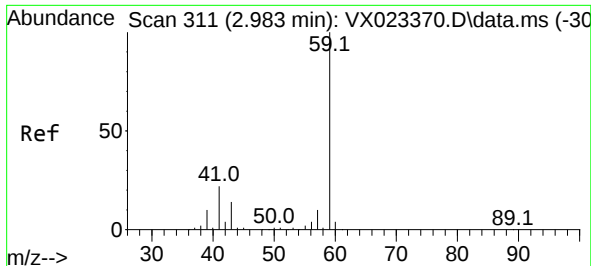
Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 64.0 76.4 114.6#



#6
Chloroethane
Concen: 0.361 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 64 Resp: 367
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



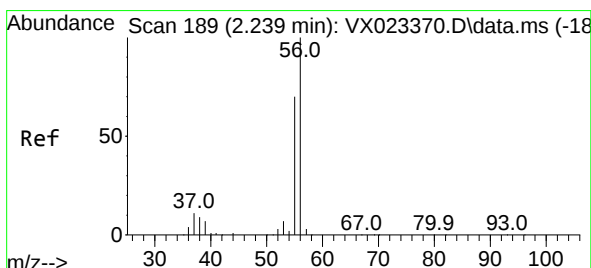
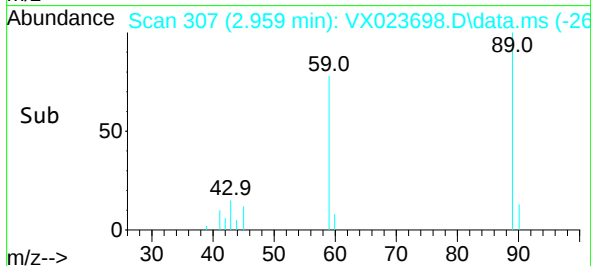
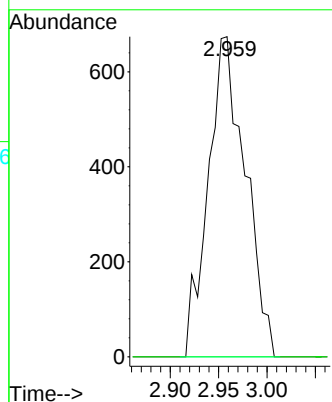
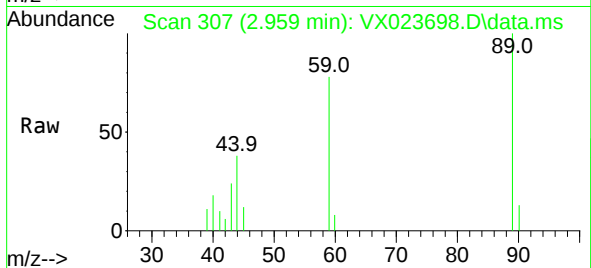


#11

Tert butyl alcohol
Concen: 4.144 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Instrument :
MSVOA_X
ClientSampled :

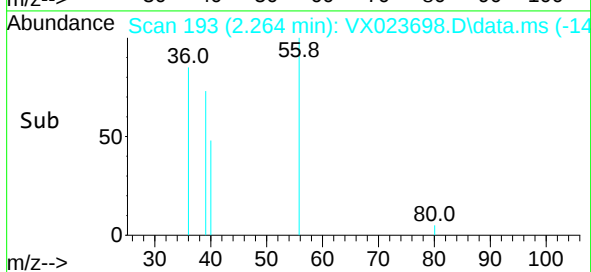
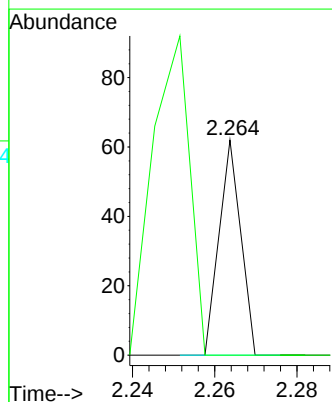
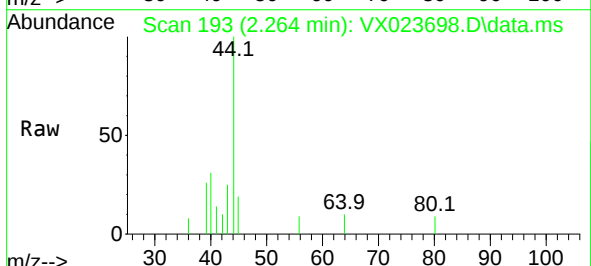
Tgt Ion: 59 Resp: 1803
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

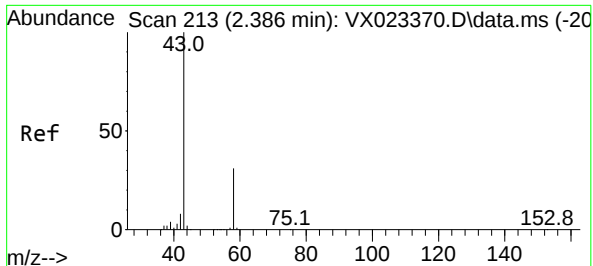


#13

Acrolein
Concen: 1.467 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.025 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 252.2 56.4 84.6#

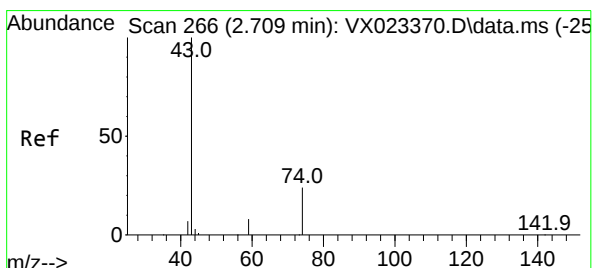
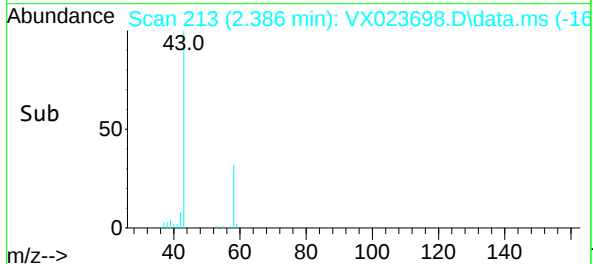
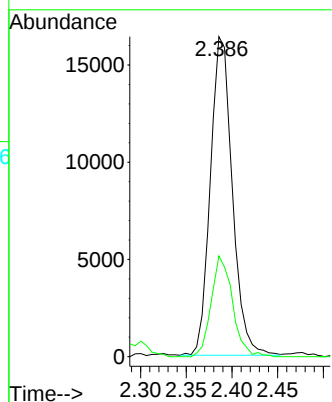
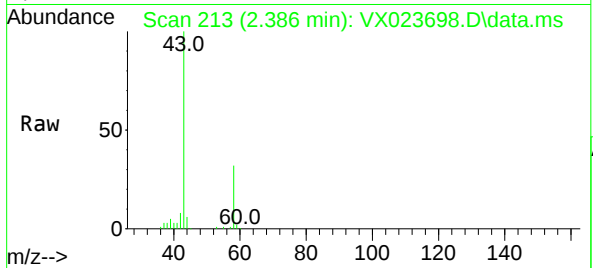




#16
Acetone
Concen: 29.295 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

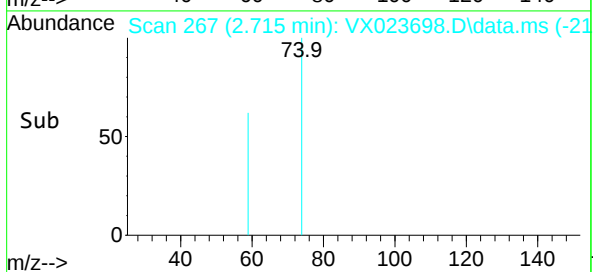
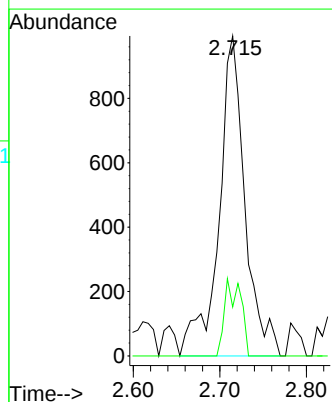
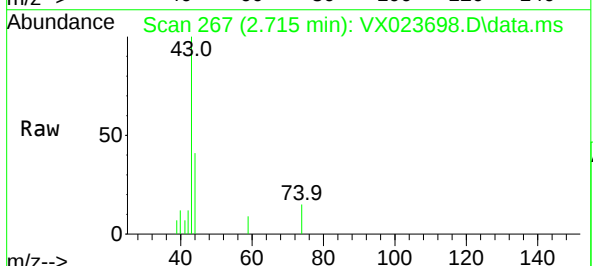
Instrument :
MSVOA_X
ClientSampled :

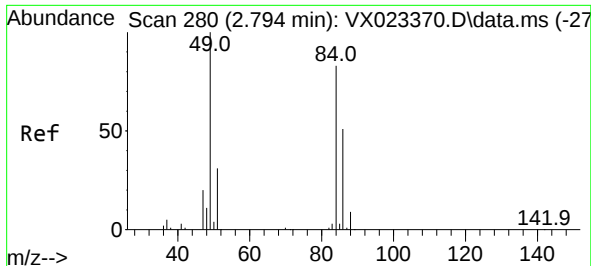
Tgt Ion: 43 Resp: 27368
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.936 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

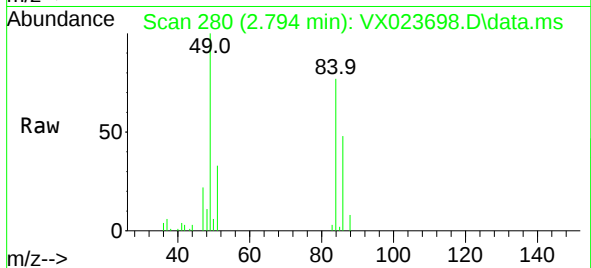
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
74 14.9 21.9 32.9#



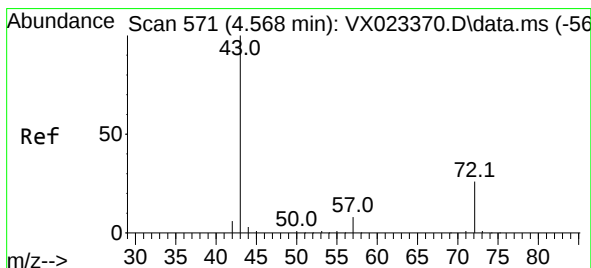
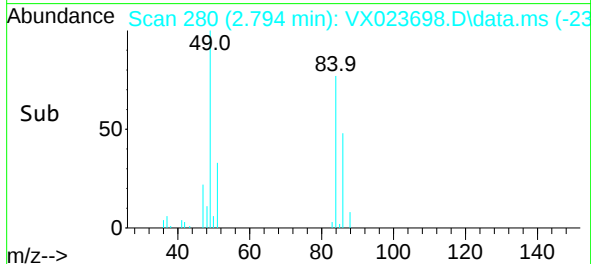
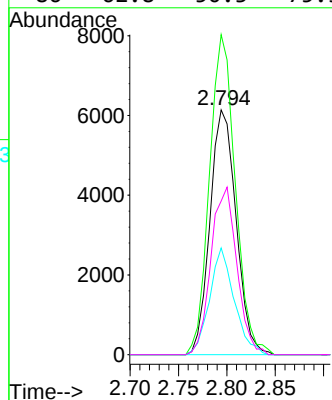


#20
Methylene Chloride
Concen: 6.347 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Instrument :
MSVOA_X
ClientSampled :

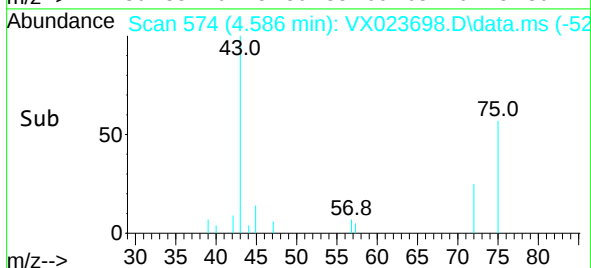
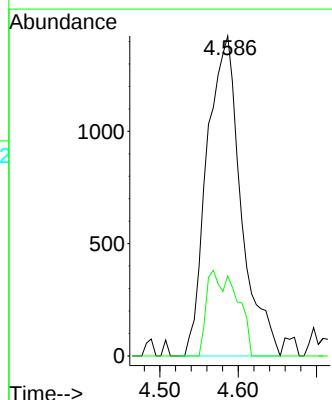
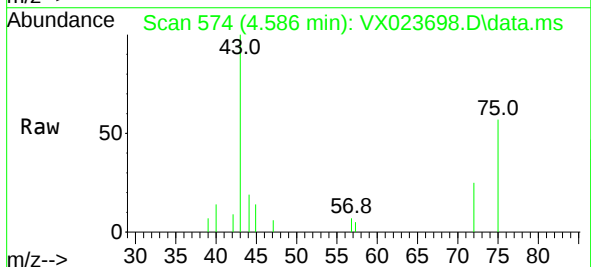


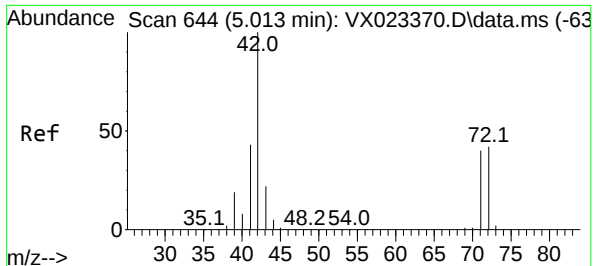
Tgt Ion:	84	Resp:	11533
Ion	Ratio	Lower	Upper
84	100		
49	130.7	88.6	132.8
51	43.6	27.0	40.6#
86	62.8	50.3	75.5



#25
2-Butanone
Concen: 2.965 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion:	43	Resp:	4300
Ion	Ratio	Lower	Upper
43	100		
72	25.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.639 ug/l

RT: 5.044 min Scan# 649

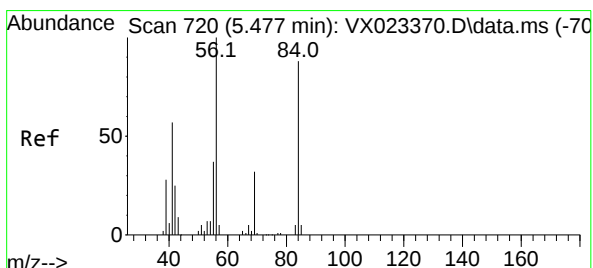
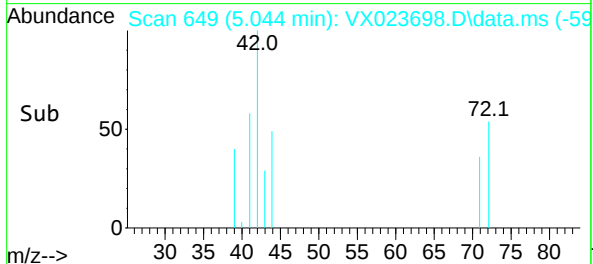
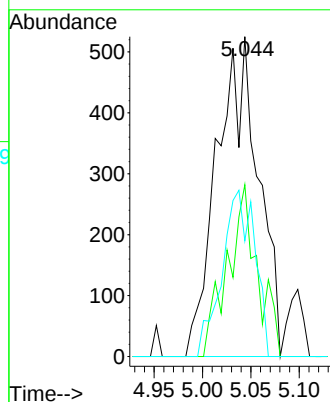
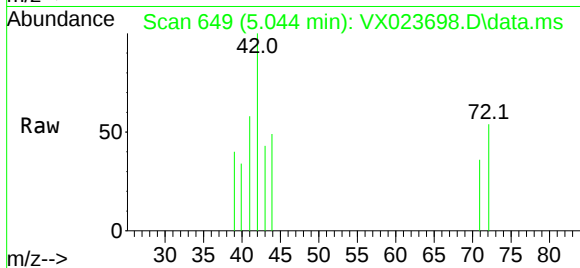
Delta R.T. 0.031 min

Lab File: VX023698.D

Acq: 13 Aug 2021 18:11

Tgt Ion:	42	Resp:	1558
Ion	Ratio	Lower	Upper
42	100		
72	39.0	41.7	62.5#
71	41.2	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.269 ug/l

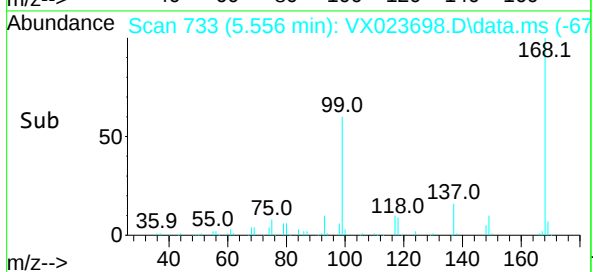
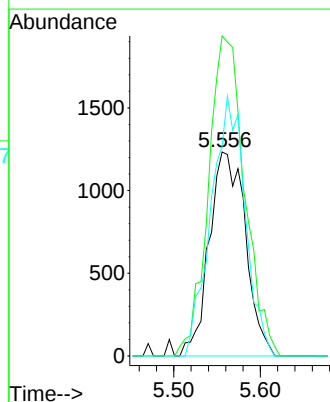
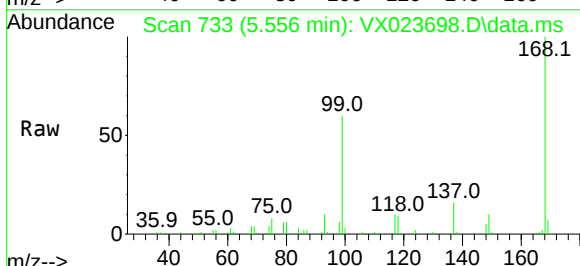
RT: 5.556 min Scan# 733

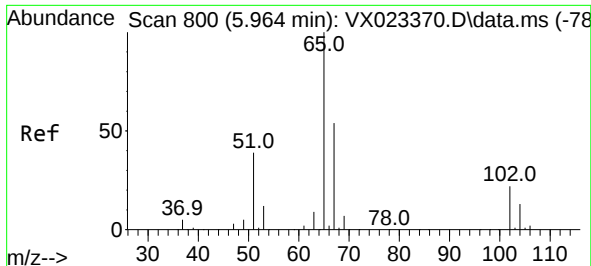
Delta R.T. 0.079 min

Lab File: VX023698.D

Acq: 13 Aug 2021 18:11

Tgt Ion:	56	Resp:	3581
Ion	Ratio	Lower	Upper
56	100		
69	156.8	25.3	37.9#
84	102.7	71.4	107.0

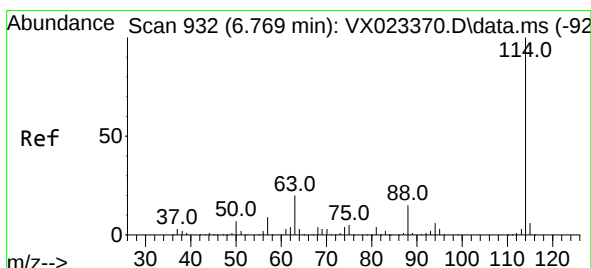
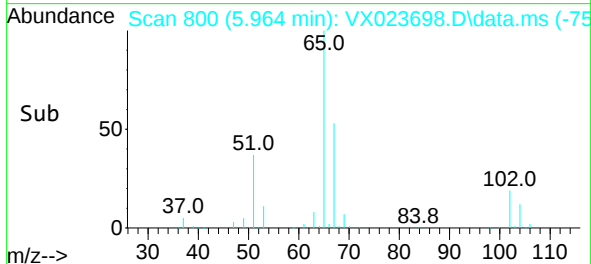
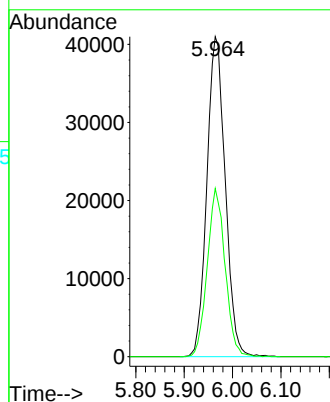
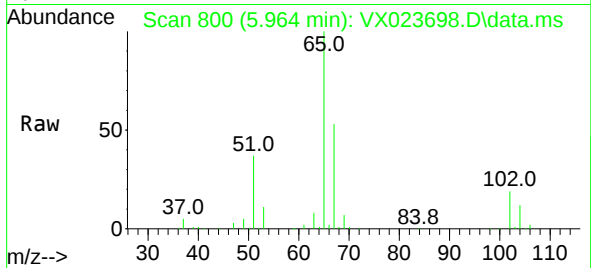




#33
 1,2-Dichloroethane-d4
 Concen: 56.861 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023698.D
 Acq: 13 Aug 2021 18:11

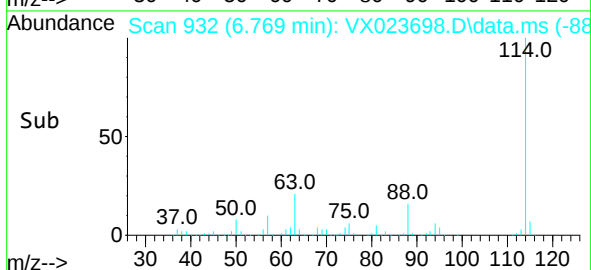
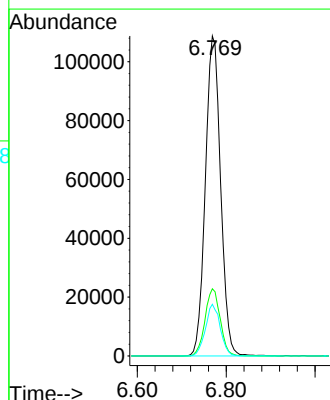
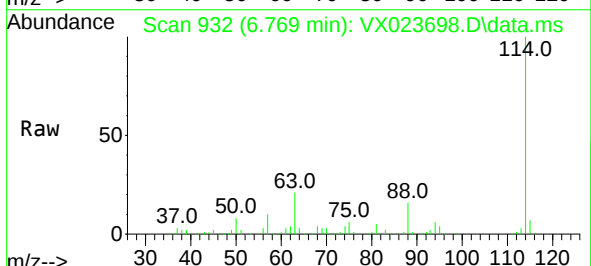
Instrument :
 MSVOA_X
 ClientSampled :

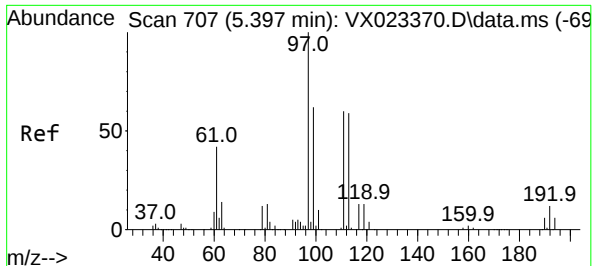
Tgt Ion: 65 Resp: 108288
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023698.D
 Acq: 13 Aug 2021 18:11

Tgt Ion: 114 Resp: 260061
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.613 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX023698.D

Acq: 13 Aug 2021 18:11

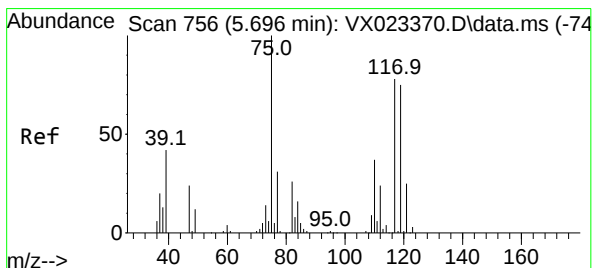
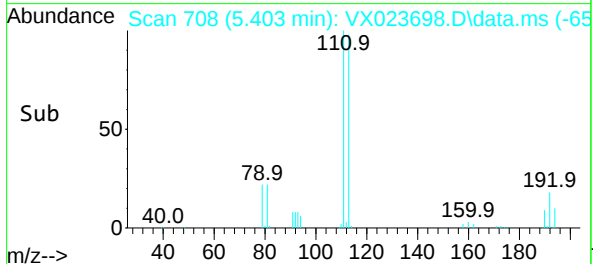
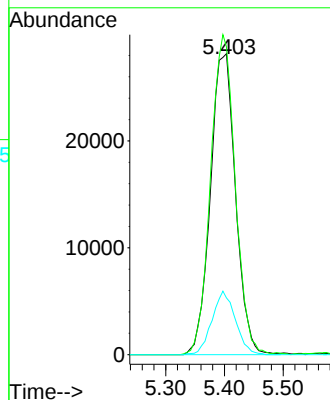
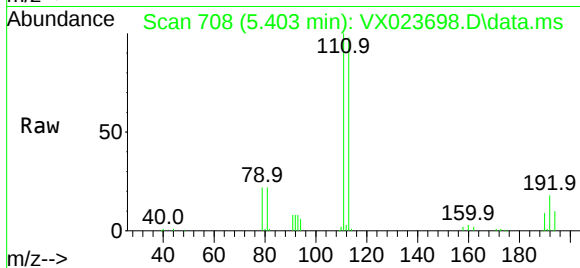
Tgt Ion:113 Resp: 83923

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023698.D

Acq: 13 Aug 2021 18:11

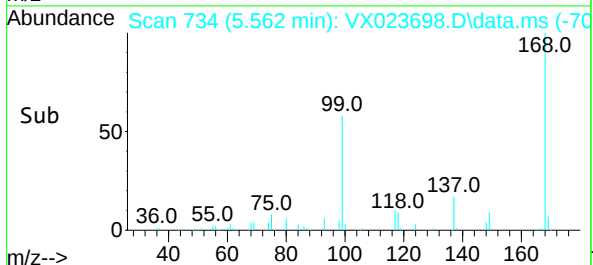
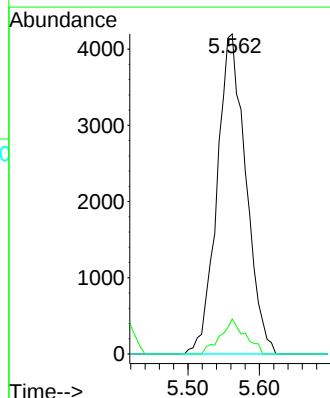
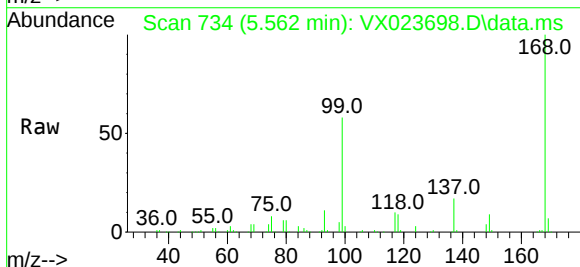
Tgt Ion: 75 Resp: 11742

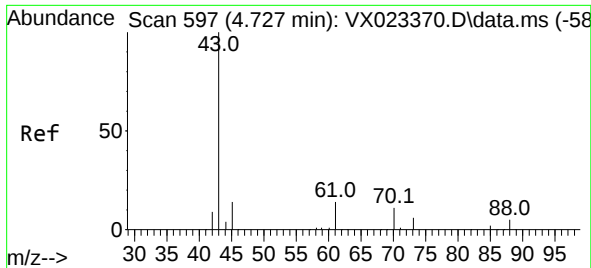
Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.0 25.3 37.9#

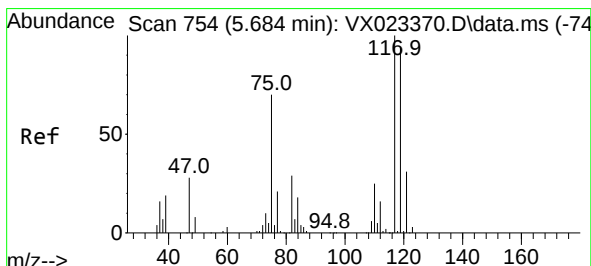
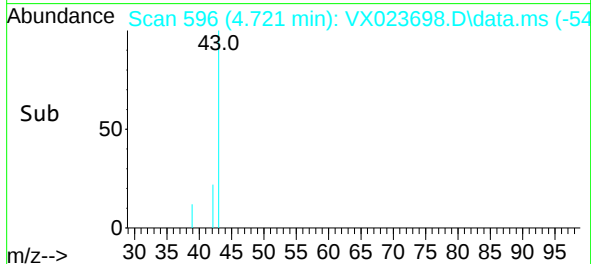
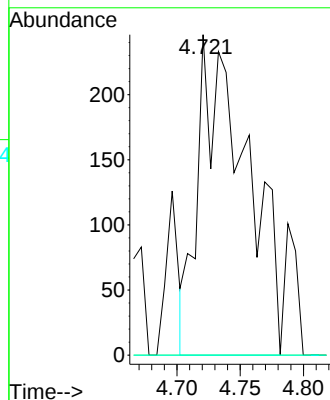
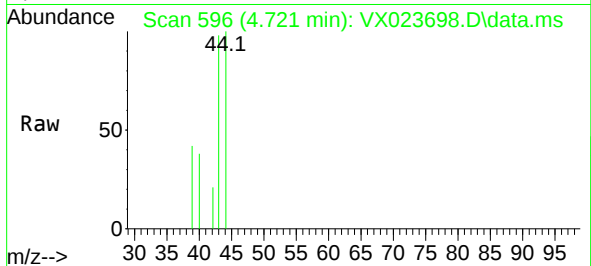




#37
Ethyl Acetate
Concen: 0.221 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.006 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

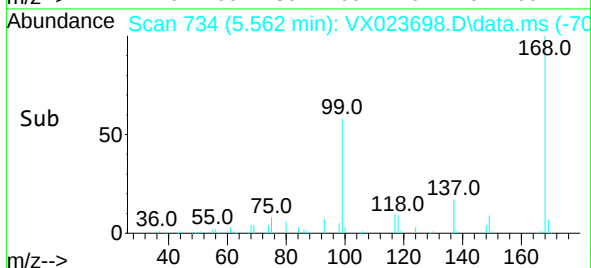
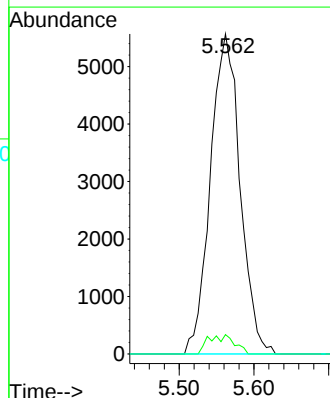
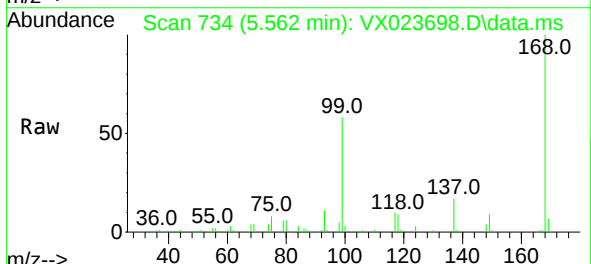
Instrument :
MSVOA_X
ClientSampled :

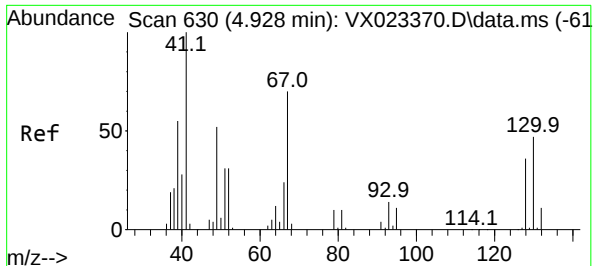
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 6.424 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 117 Resp: 15370
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

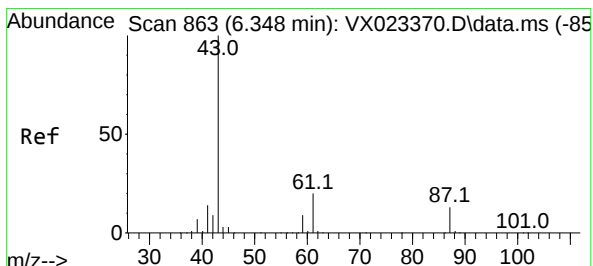
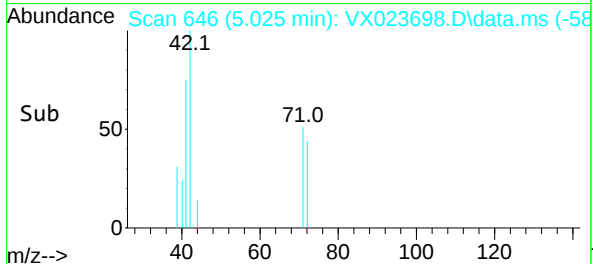
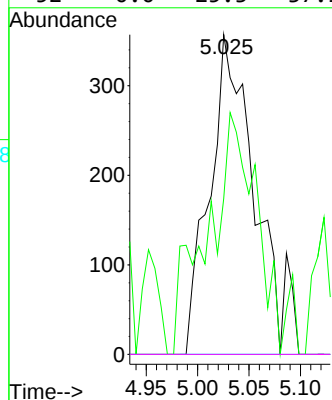
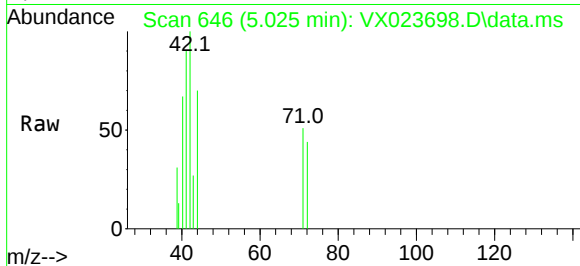




#41
Methacrylonitrile
Concen: 0.665 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

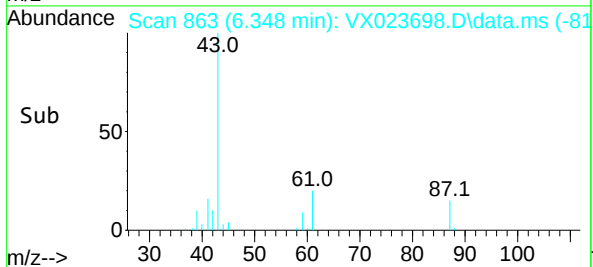
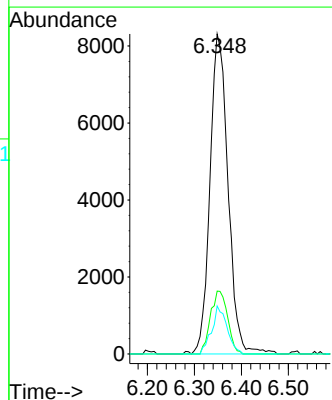
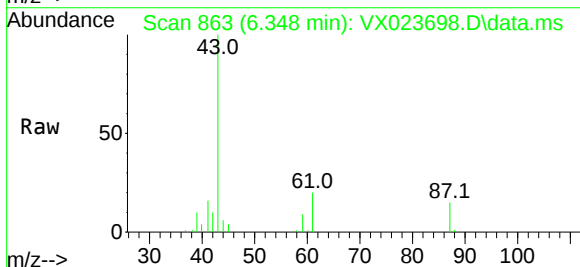
Instrument :
MSVOA_X
ClientSampled :

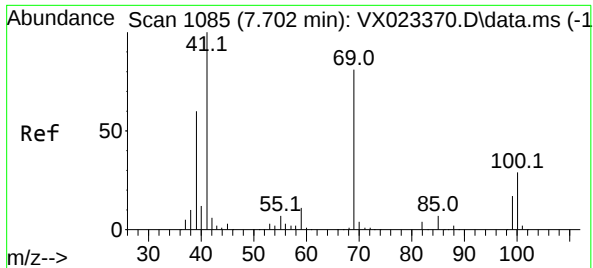
Tgt Ion:	41	Resp:	1041
Ion	Ratio	Lower	Upper
41	100		
39	65.6	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.830 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion:	43	Resp:	22198
Ion	Ratio	Lower	Upper
43	100		
61	18.5	18.2	27.4
87	12.7	12.5	18.7

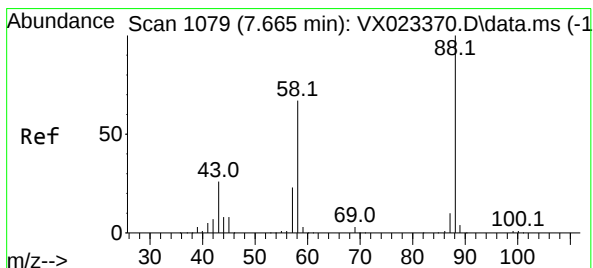
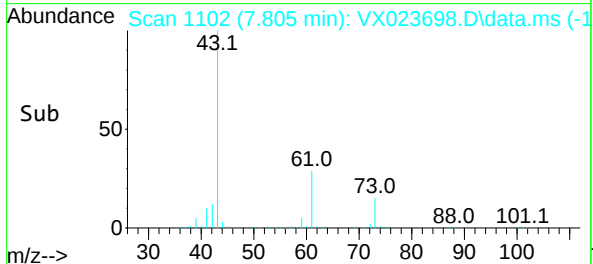
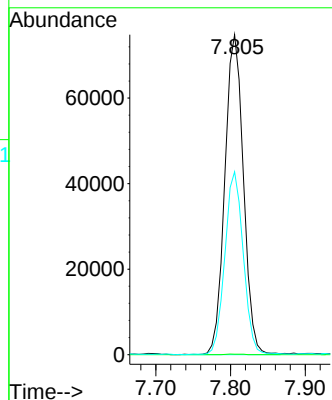
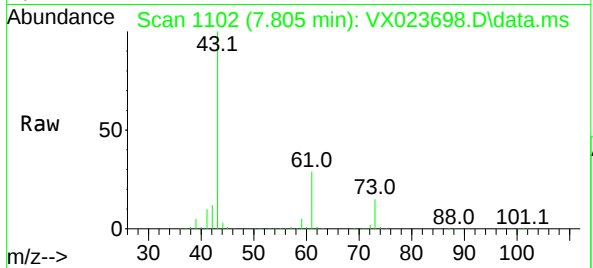




#48
Methyl methacrylate
Concen: 60.971 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

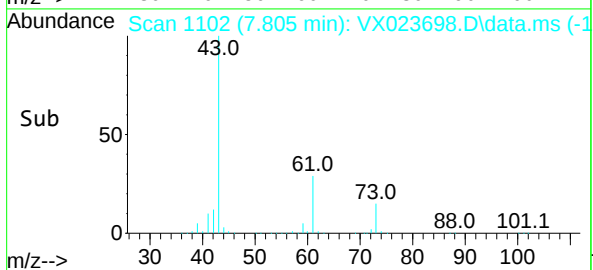
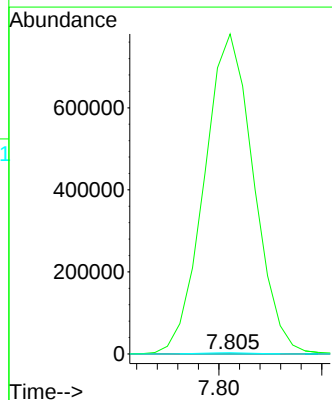
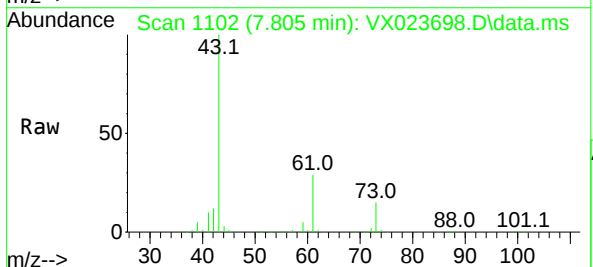
Instrument :
MSVOA_X
ClientSampled :

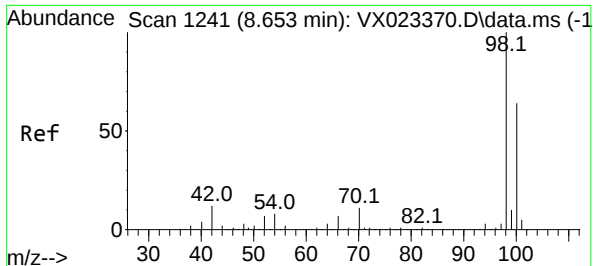
Tgt Ion: 41 Resp: 129788
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 56.9 44.6 67.0



#49
1,4-Dioxane
Concen: 4.126 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 88 Resp: 187
Ion Ratio Lower Upper
88 100
43 700324.1 23.2 34.8#
58 2942.8 55.0 82.4#

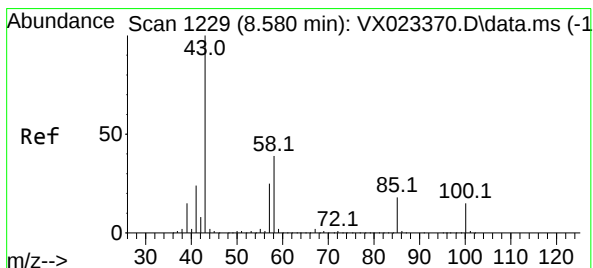
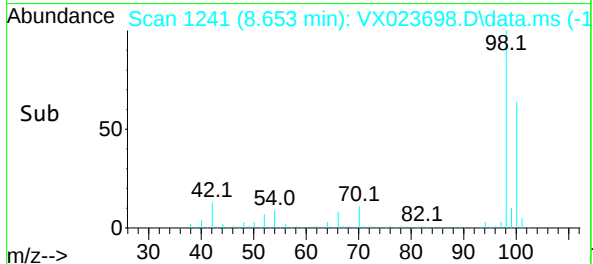
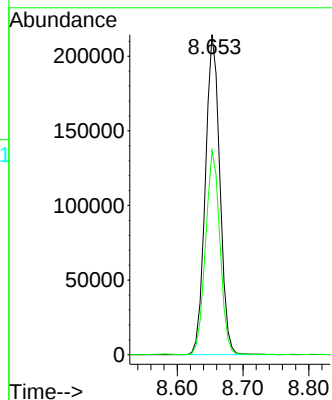
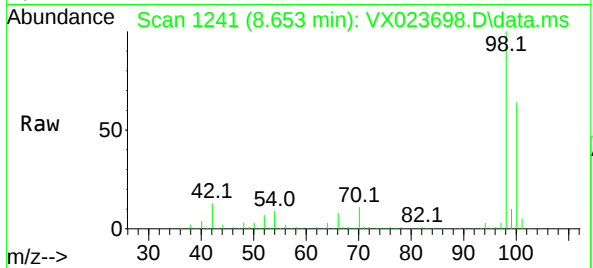




#50
Toluene-d8
Concen: 54.939 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

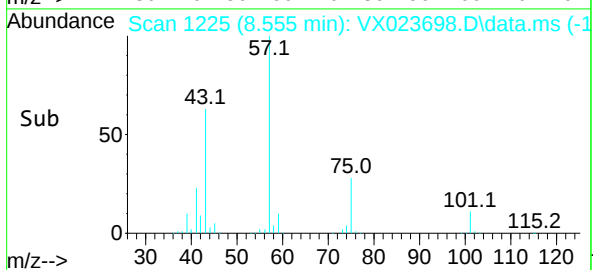
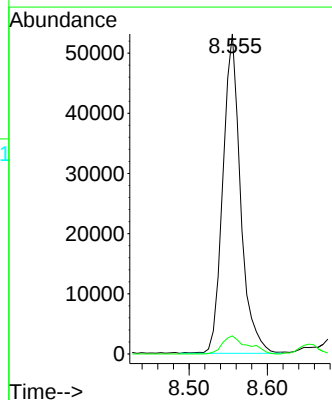
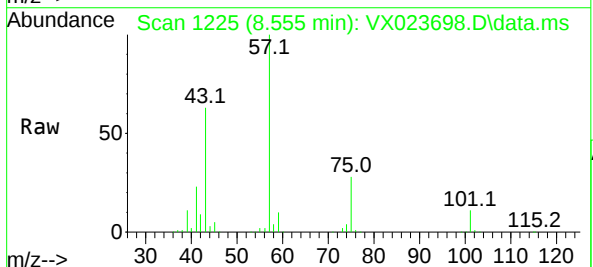
Instrument :
MSVOA_X
ClientSampled :

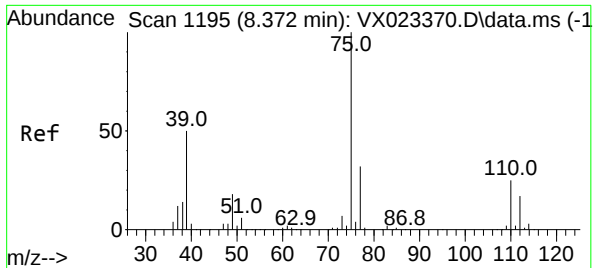
Tgt Ion: 98 Resp: 328209
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.684 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 43 Resp: 83450
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#

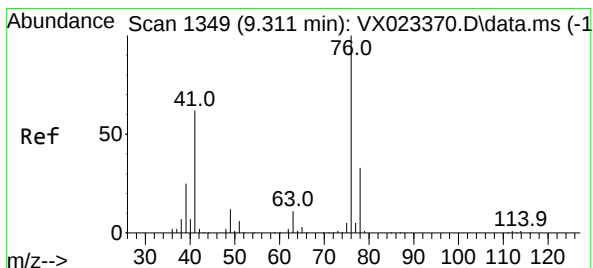
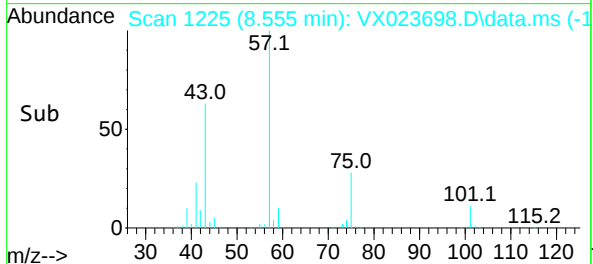
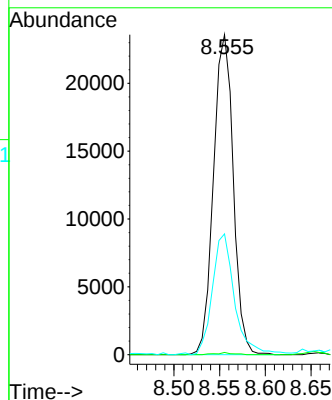
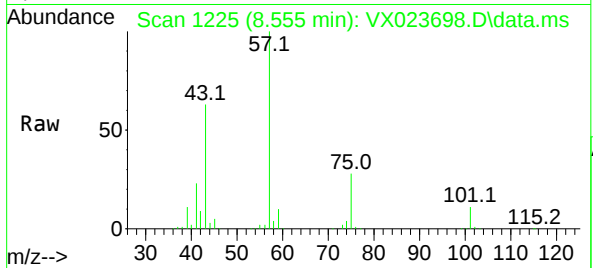




#54
 cis-1,3-Dichloropropene
 Concen: 12.602 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023698.D
 Acq: 13 Aug 2021 18:11

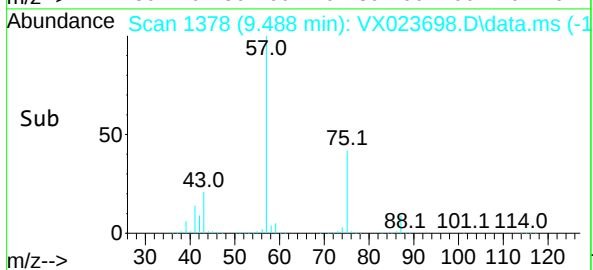
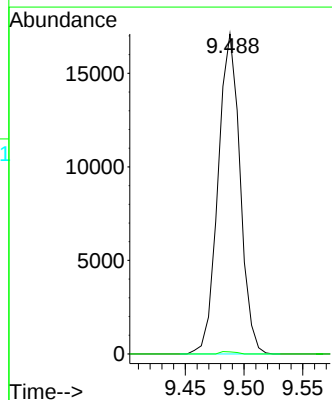
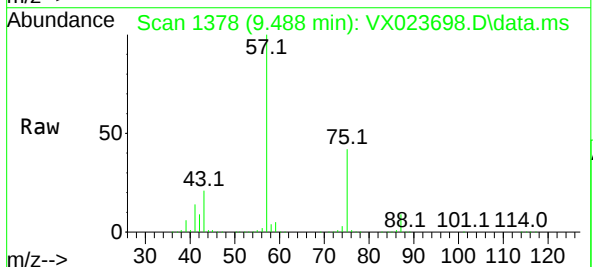
Instrument :
 MSVOA_X
 ClientSampled :

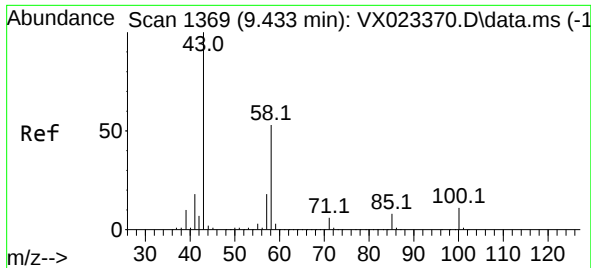
Tgt Ion: 75 Resp: 35434
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 37.5 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 7.497 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023698.D
 Acq: 13 Aug 2021 18:11

Tgt Ion: 76 Resp: 22292
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

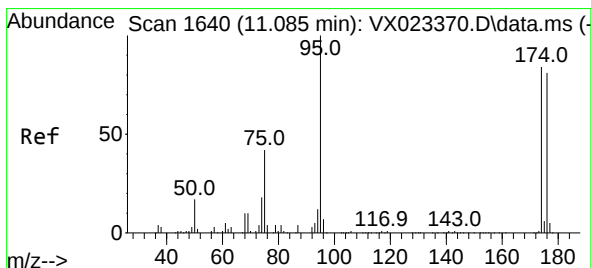
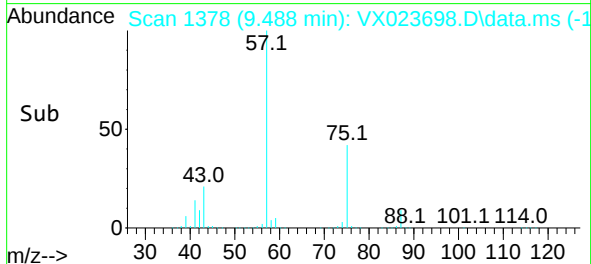
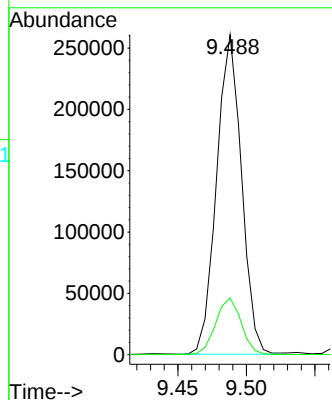
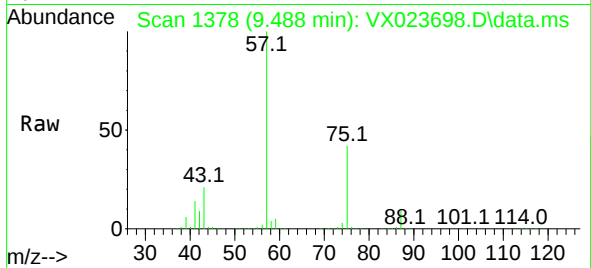




#59
2-Hexanone
Concen: 154.170 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

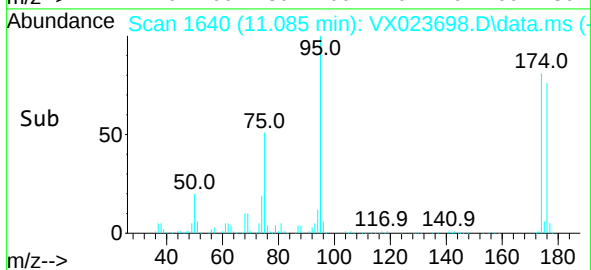
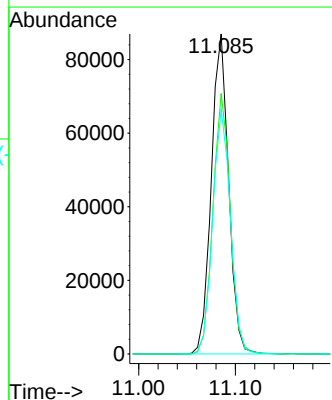
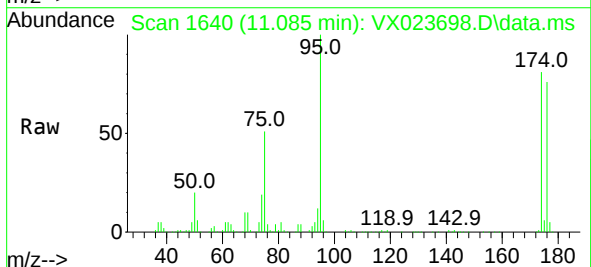
Instrument :
MSVOA_X
ClientSampled :

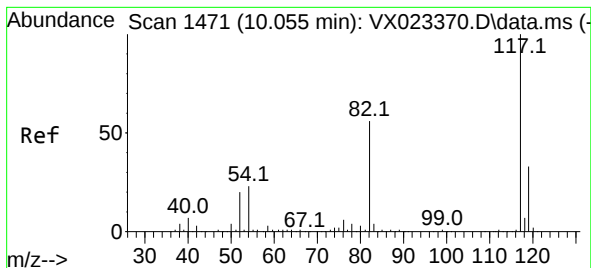
Tgt Ion: 43 Resp: 329126
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.324 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion: 95 Resp: 108324
Ion Ratio Lower Upper
95 100
174 81.6 0.0 154.6
176 78.3 0.0 155.8

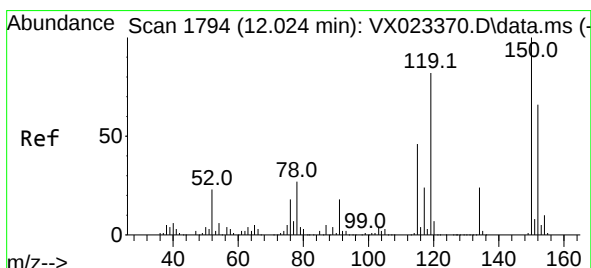
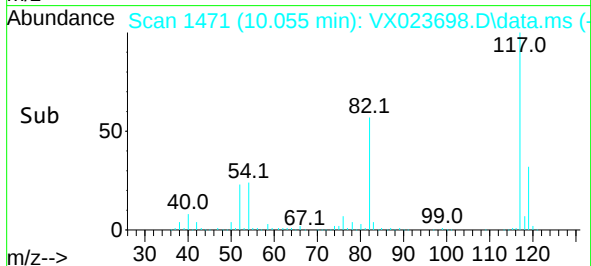
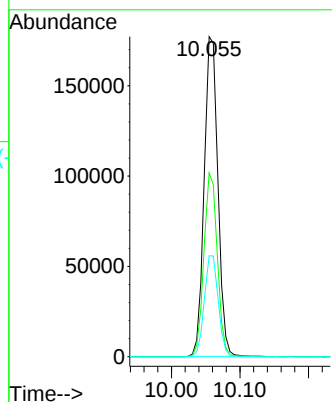
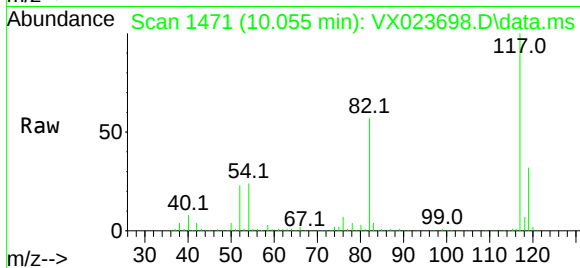




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

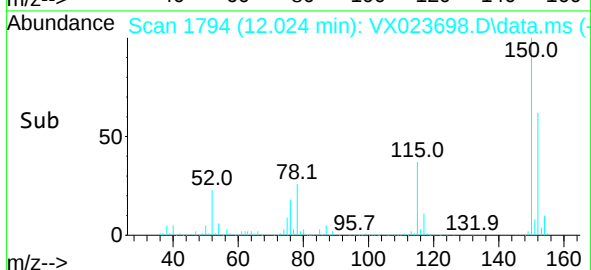
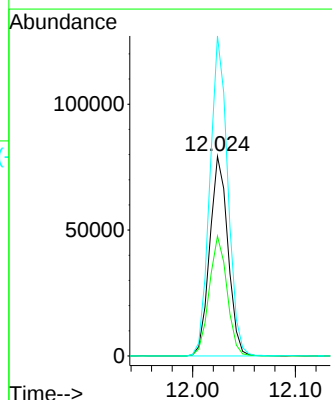
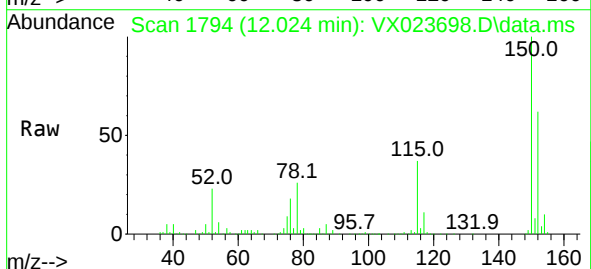
Instrument :
MSVOA_X
ClientSampled :

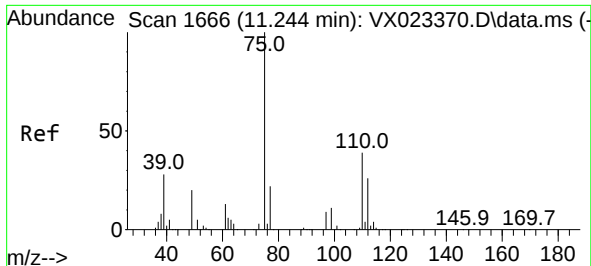
Tgt Ion:117 Resp: 247867
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

Tgt Ion:152 Resp: 97640
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 157.5 0.0 349.0

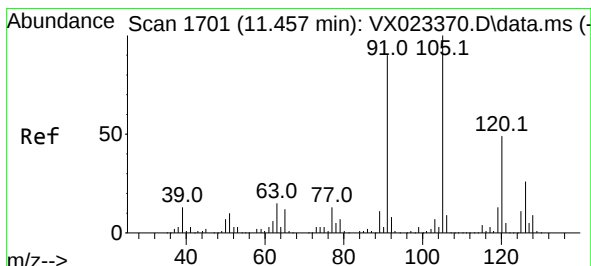
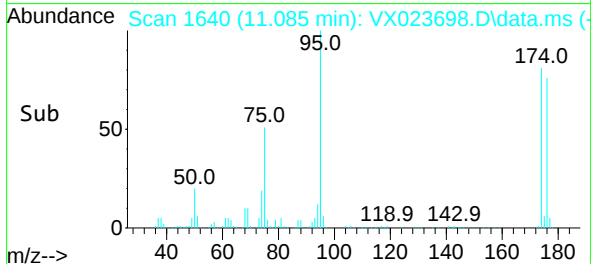
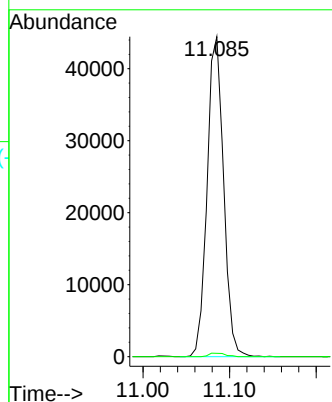
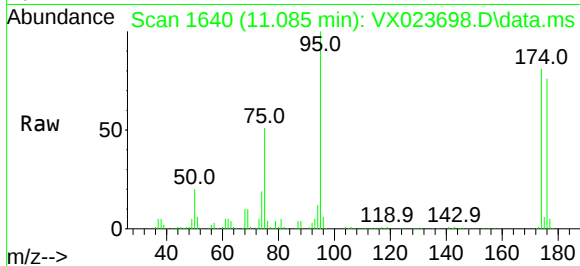




#76
1,2,3-Trichloropropane
Concen: 27.269 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

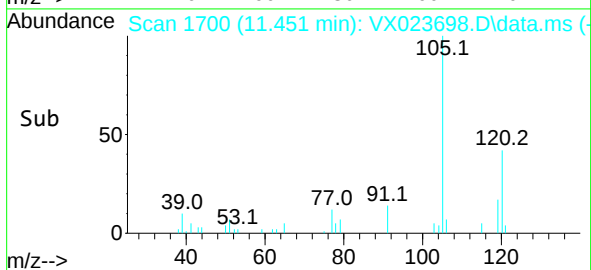
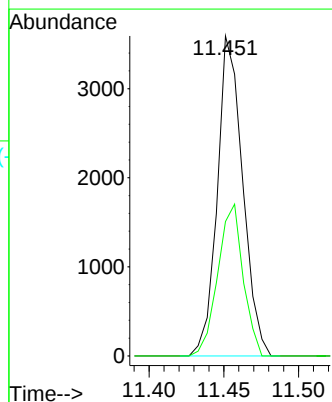
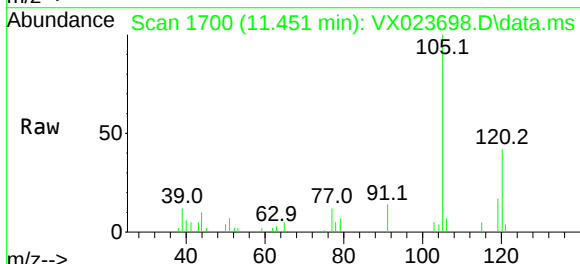
Instrument :
MSVOA_X
ClientSampled :

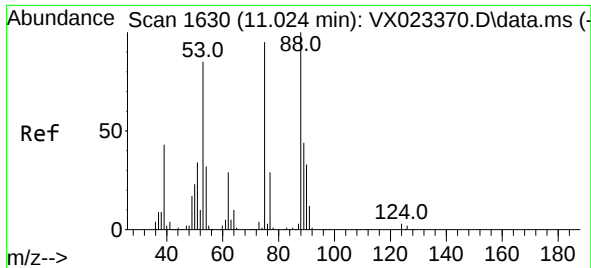
Tgt Ion: 75 Resp: 58591
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.705 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023698.D
Acq: 13 Aug 2021 18:11

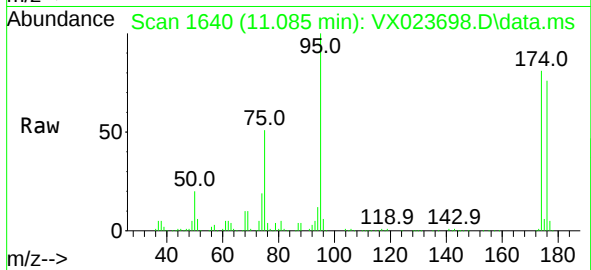
Tgt Ion: 105 Resp: 4233
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.323 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023698.D
 Acq: 13 Aug 2021 18:11

Instrument :
 MSVOA_X
 ClientSampled :



Tgt Ion:	75	Resp:	58591
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

