

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023687.D
 Acq On : 13 Aug 2021 13:52
 Operator : JC/MD
 Sample : PB138358ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:24:55 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)

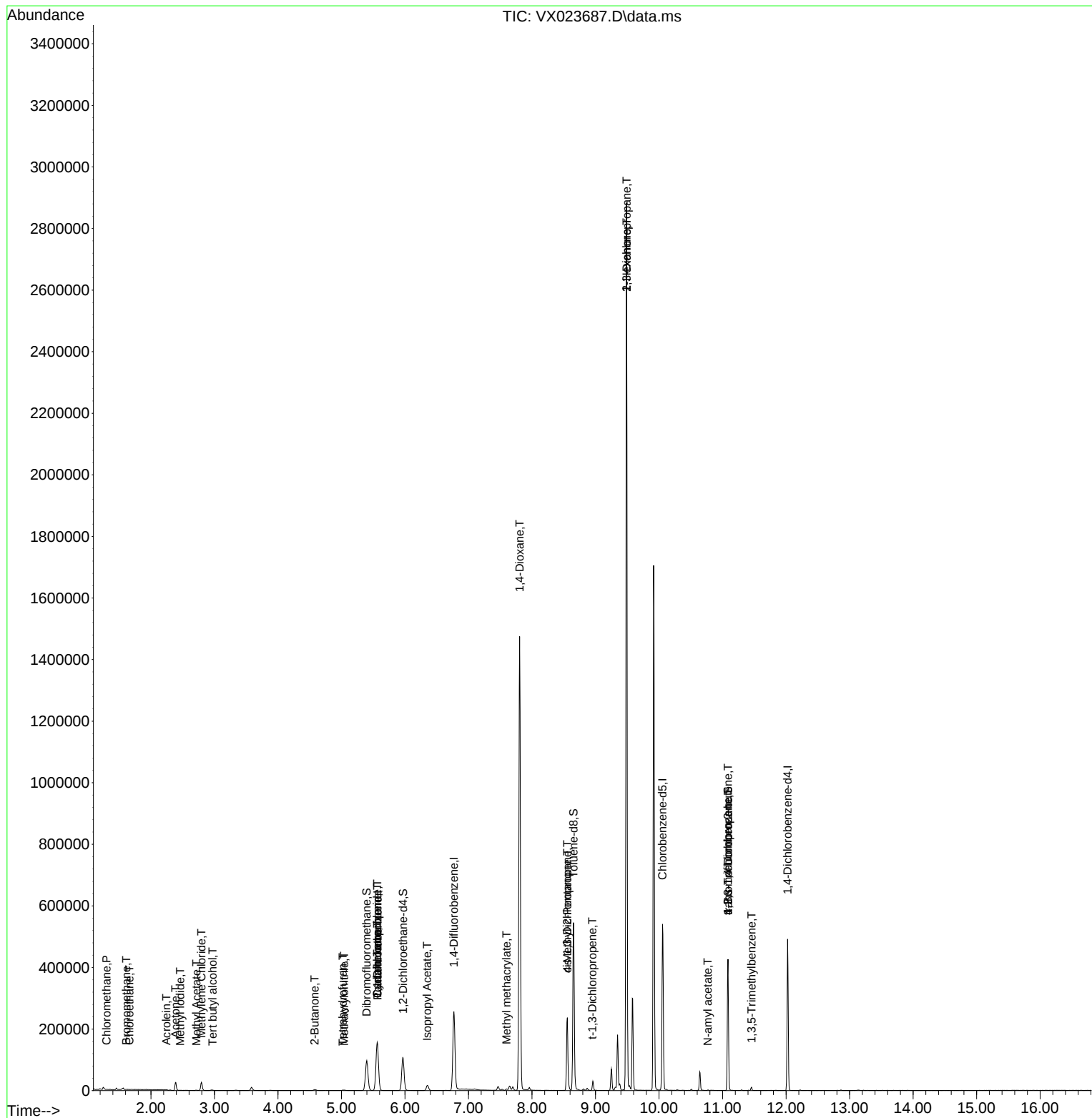
Internal Standards						
1) Pentafluorobenzene	5.568	168	148332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	253771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	105185	56.847	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.700%	
35) Dibromofluoromethane	5.397	113	82511	52.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.000%	
50) Toluene-d8	8.653	98	315996	54.206	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	11.085	95	107791	54.377	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	370	0.233	ug/l	90
5) Bromomethane	1.611	94	263	0.275	ug/l #	75
6) Chloroethane	1.660	64	315	0.319	ug/l #	43
10) Methyl Iodide	2.459	142	475	0.258	ug/l #	85
11) Tert butyl alcohol	2.971	59	1438	3.402	ug/l #	78
13) Acrolein	2.239	56	68	1.678	ug/l #	50
16) Acetone	2.386	43	27992	30.840	ug/l	90
18) Methyl Acetate	2.715	43	1646	0.763	ug/l #	86
20) Methylene Chloride	2.794	84	11650	6.599	ug/l #	86
25) 2-Butanone	4.574	43	4237	3.007	ug/l #	83
29) Tetrahydrofuran	5.019	42	1668	1.806	ug/l #	27
31) Cyclohexane	5.562	56	3449	1.258	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	11836	5.156	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14970	6.412	ug/l #	16
41) Methacrylonitrile	5.044	41	1014	0.663	ug/l #	42
43) Isopropyl Acetate	6.348	43	23110	5.153	ug/l	93
48) Methyl methacrylate	7.598	41	6218	2.993	ug/l #	10
49) 1,4-Dioxane	7.805	88	224	5.064	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83830	30.558	ug/l #	45
53) t-1,3-Dichloropropene	8.952	75	41	1.831	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	35807	13.050	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	22563	7.776	ug/l #	43
59) 2-Hexanone	9.488	43	332442	159.583	ug/l #	43
74) N-amyl acetate	10.768	43	1061	0.318	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	57500	26.919	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4459	0.748	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	57500	72.381	ug/l #	12

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

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Quant Title : SW846 8260
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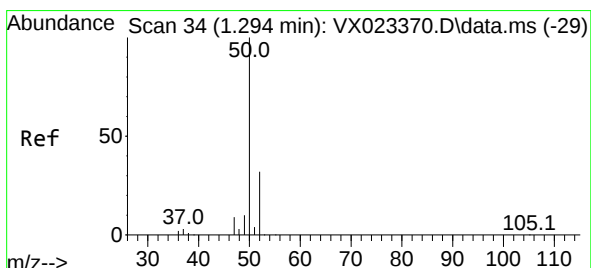
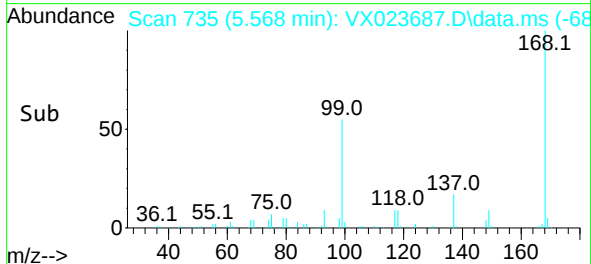
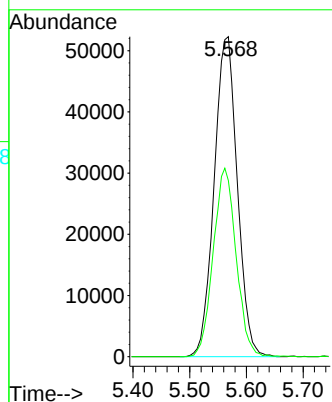
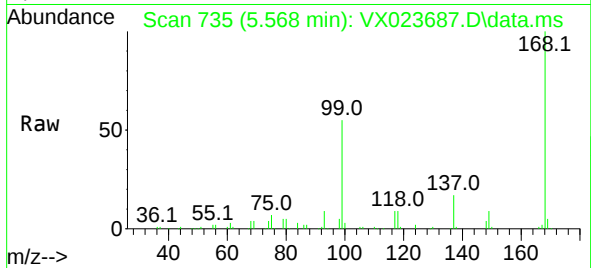




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

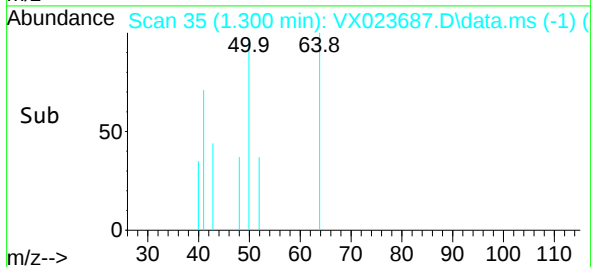
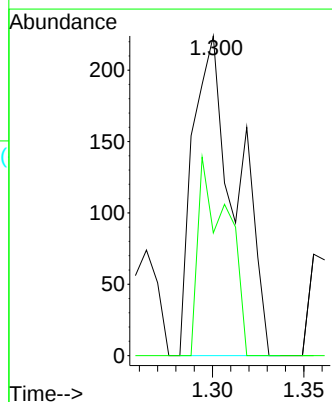
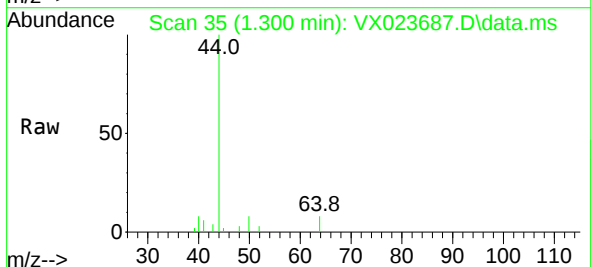
Instrument :
MSVOA_X
ClientSampled :

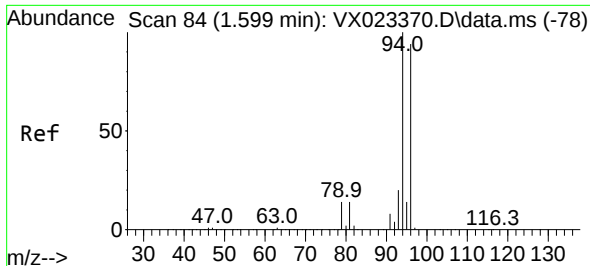
Tgt Ion:168 Resp: 148332
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 50 Resp: 370
Ion Ratio Lower Upper
50 100
52 38.4 26.4 39.6

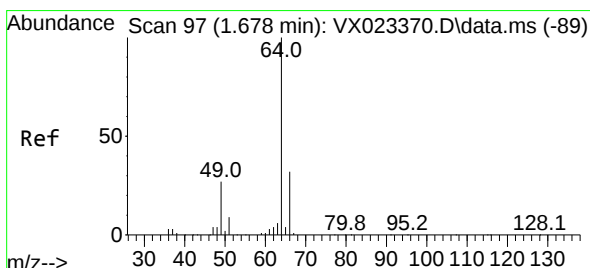
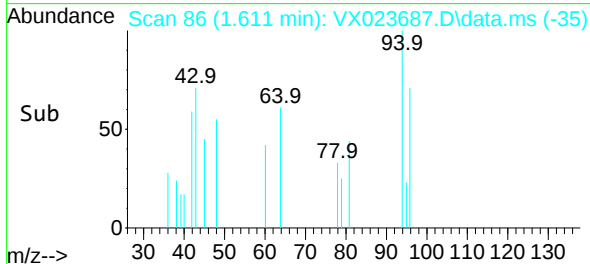
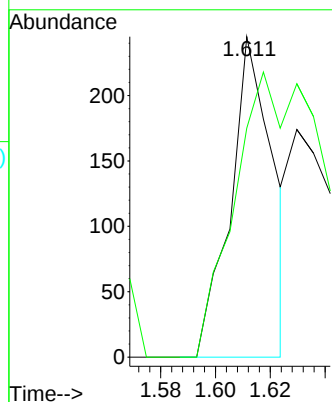
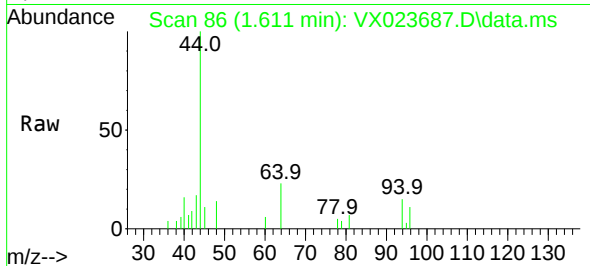




#5
Bromomethane
Concen: 0.275 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

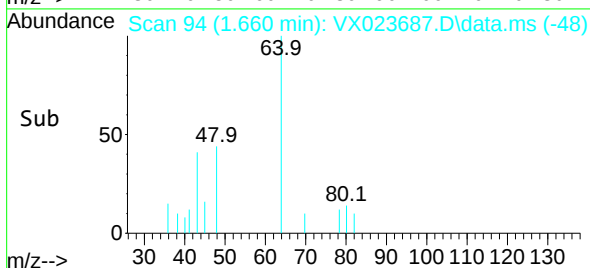
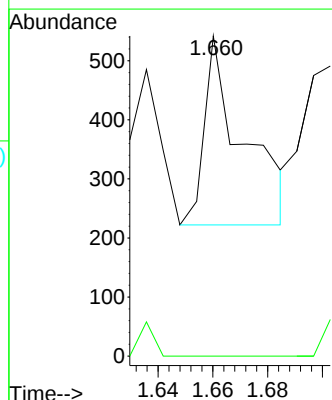
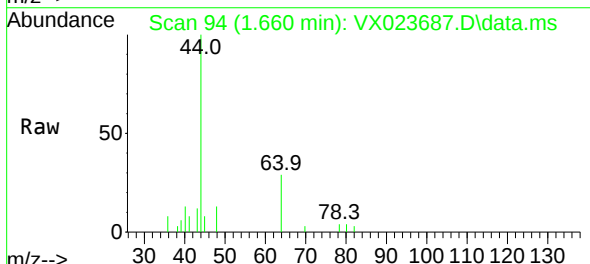
Instrument :
MSVOA_X
ClientSampled :

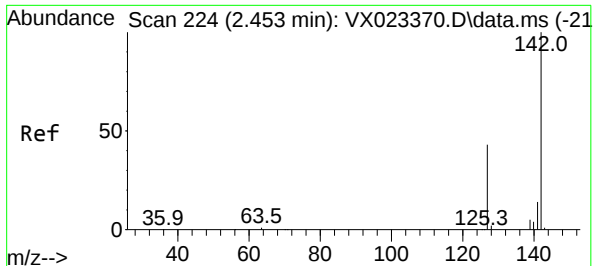
Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 71.4 76.4 114.6#



#6
Chloroethane
Concen: 0.319 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

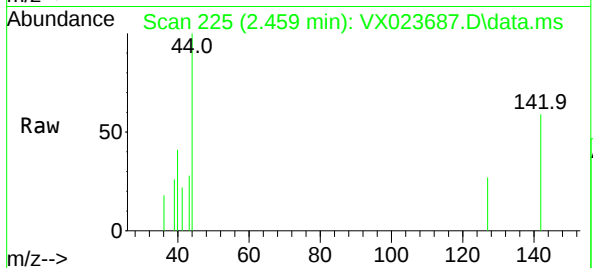
Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



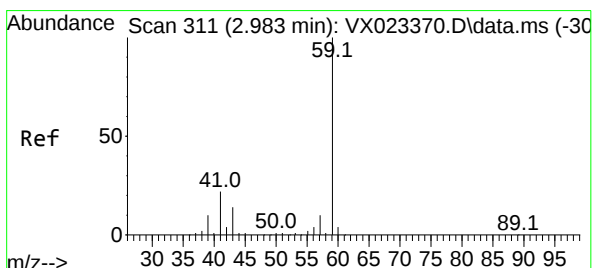
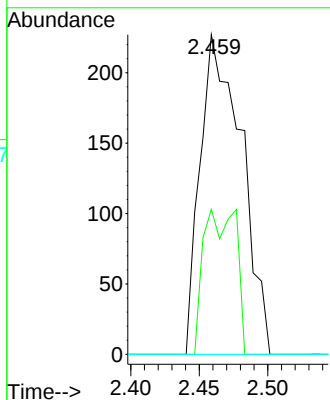
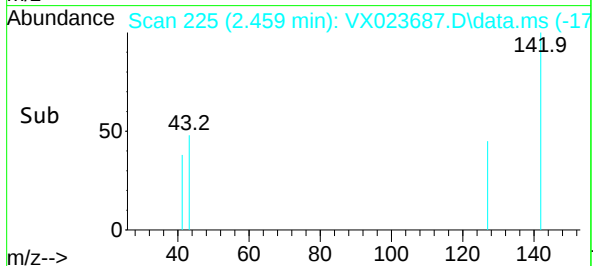


#10
Methyl Iodide
Concen: 0.258 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

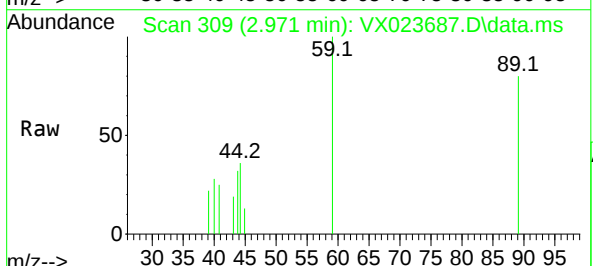
Instrument :
MSVOA_X
ClientSampleId :



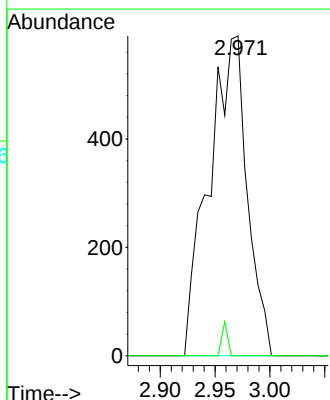
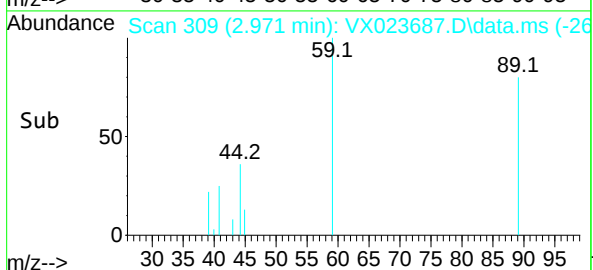
Tgt Ion:142 Resp: 475
Ion Ratio Lower Upper
142 100
127 36.0 33.3 49.9
141 0.0 11.4 17.0#

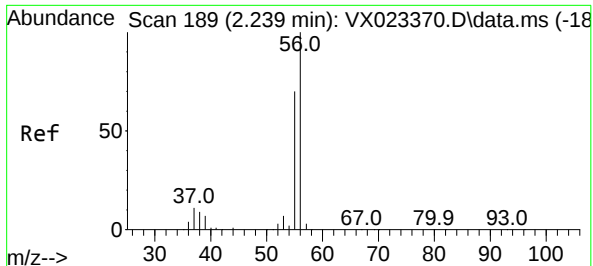


#11
Tert butyl alcohol
Concen: 3.402 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52



Tgt Ion: 59 Resp: 1438
Ion Ratio Lower Upper
59 100
57 1.6 7.8 11.8#

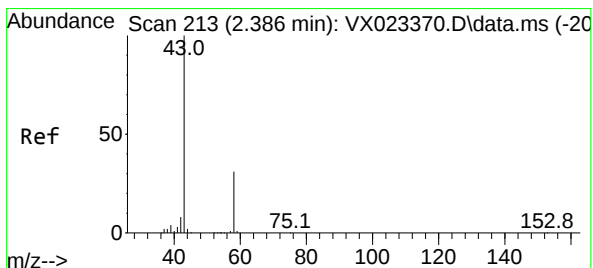
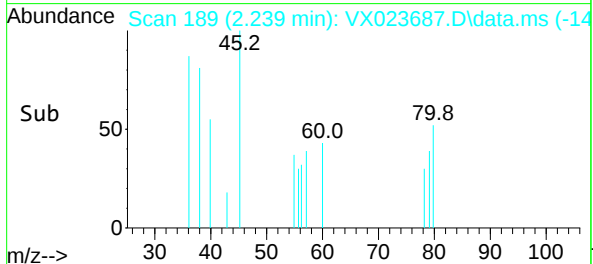
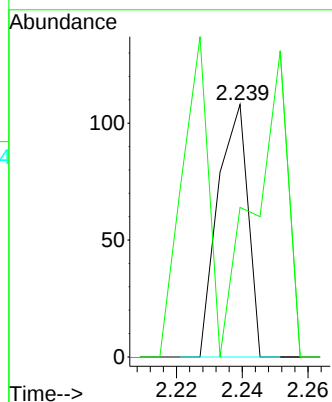
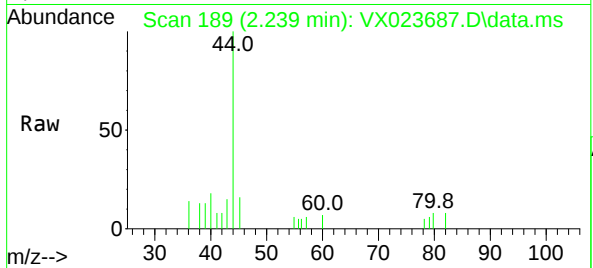




#13
Acrolein
Concen: 1.678 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

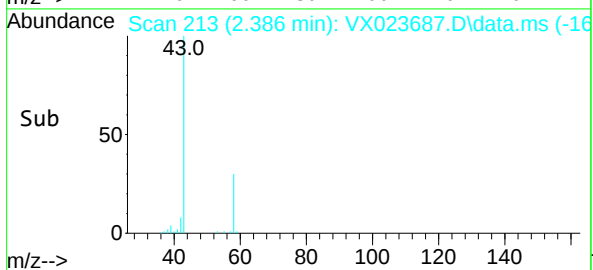
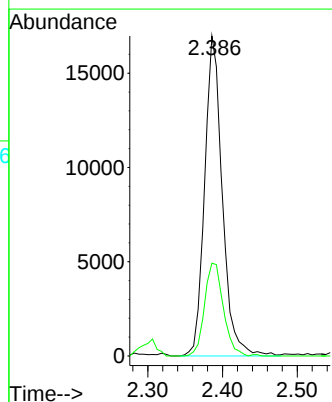
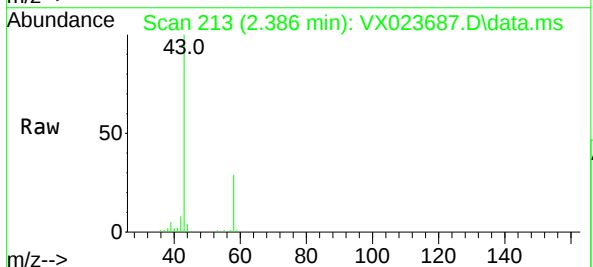
Instrument :
MSVOA_X
ClientSampled :

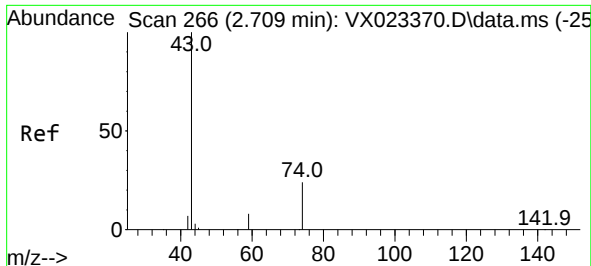
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 111.8 56.4 84.6#



#16
Acetone
Concen: 30.840 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 43 Resp: 27992
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8

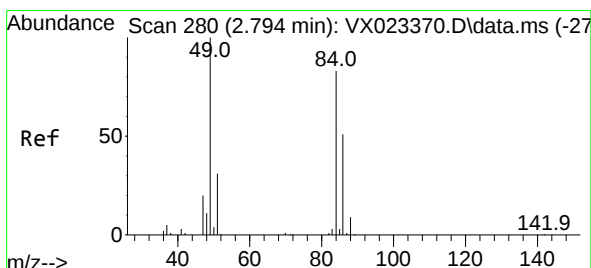
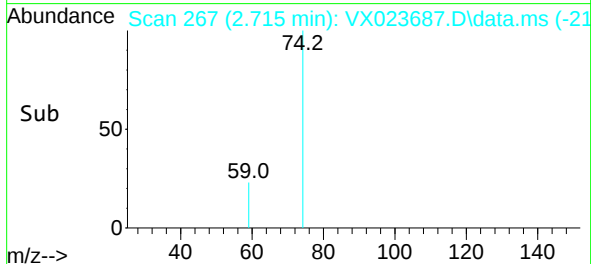
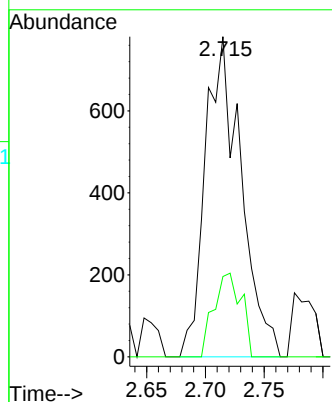
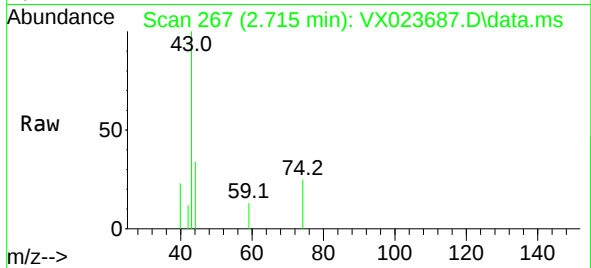




#18
Methyl Acetate
Concen: 0.763 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

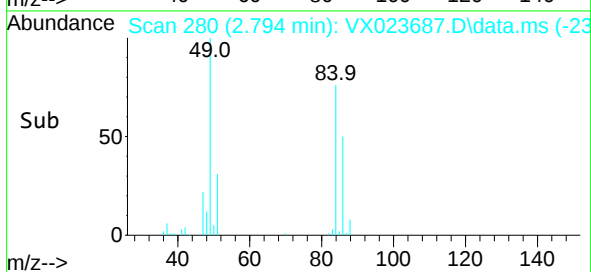
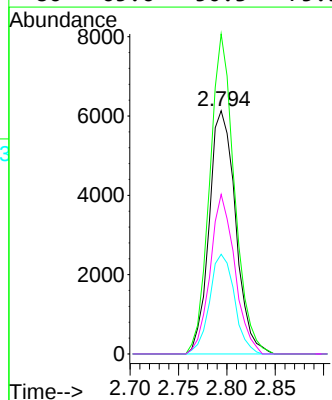
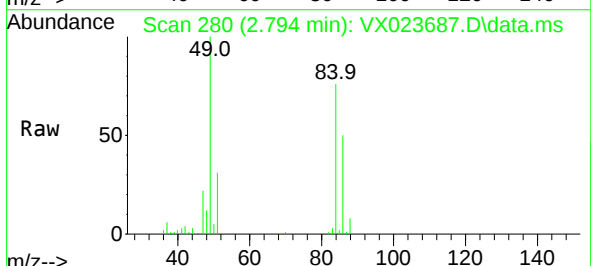
Instrument :
MSVOA_X
ClientSampled :

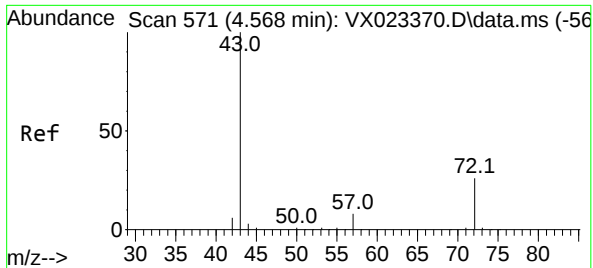
Tgt Ion: 43 Resp: 1646
Ion Ratio Lower Upper
43 100
74 20.1 21.9 32.9#



#20
Methylene Chloride
Concen: 6.599 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 84 Resp: 11650
Ion Ratio Lower Upper
84 100
49 131.6 88.6 132.8
51 41.0 27.0 40.6#
86 65.6 50.3 75.5

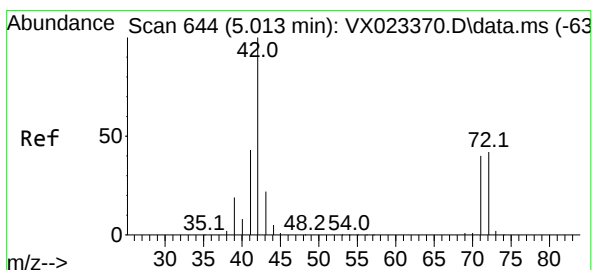
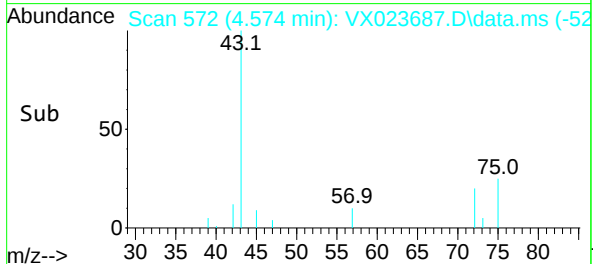
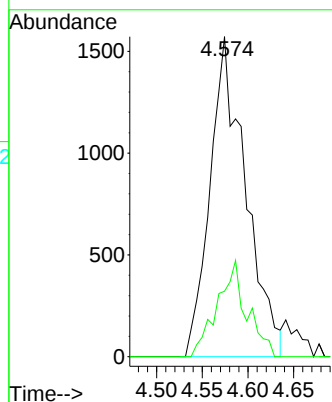
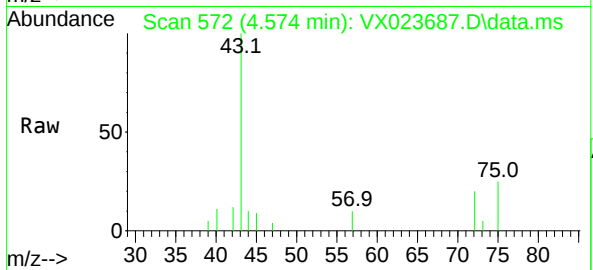




#25
2-Butanone
Concen: 3.007 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

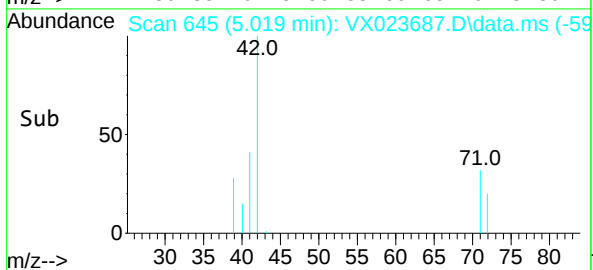
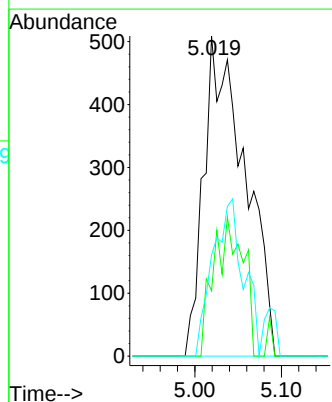
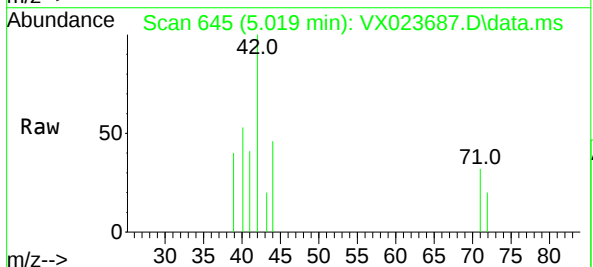
Instrument :
MSVOA_X
ClientSampled :

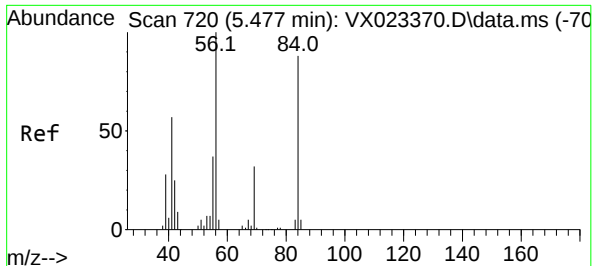
Tgt Ion: 43 Resp: 4237
Ion Ratio Lower Upper
43 100
72 20.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.806 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 42 Resp: 1668
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#

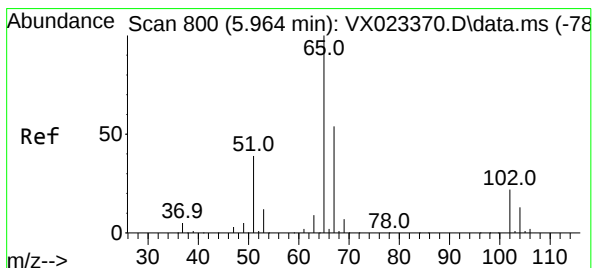
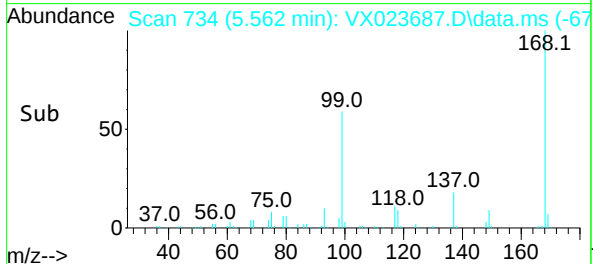
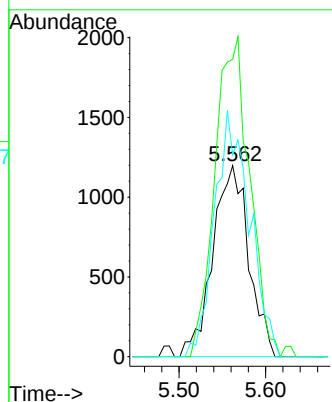
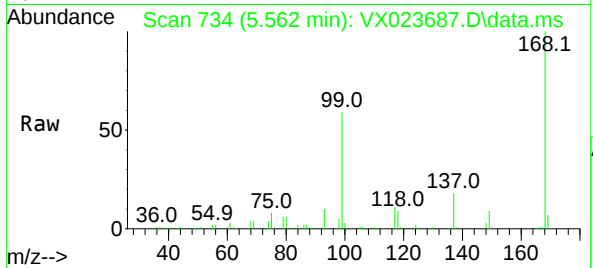




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

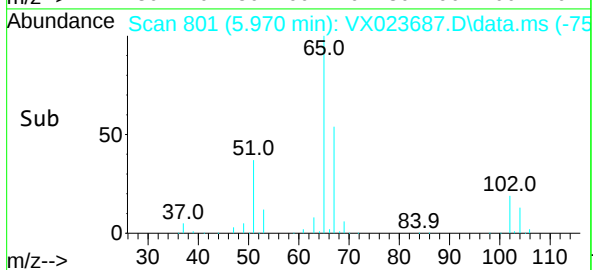
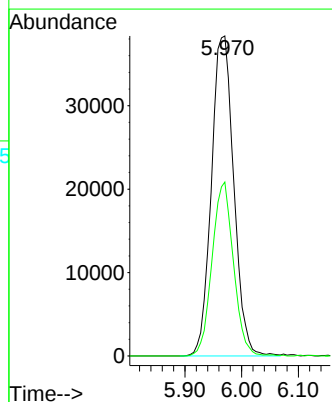
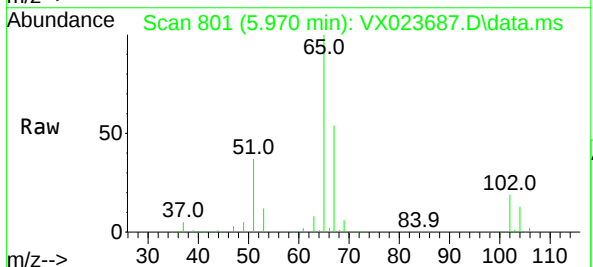
Instrument :
MSVOA_X
ClientSampleId :

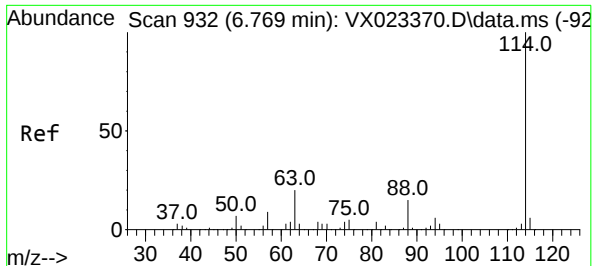
Tgt Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 155.6 25.3 37.9#
84 105.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 56.847 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 65 Resp: 105185
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

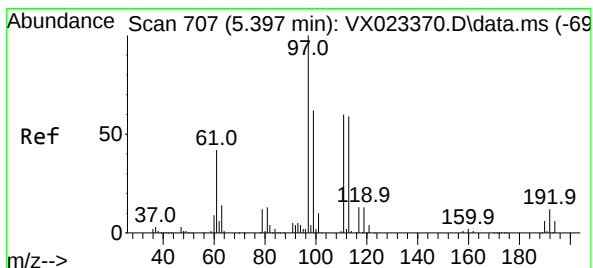
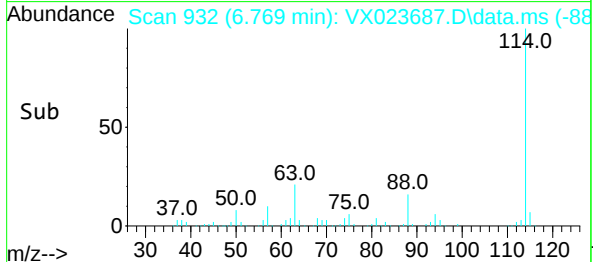
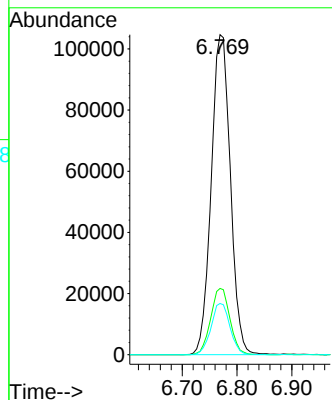
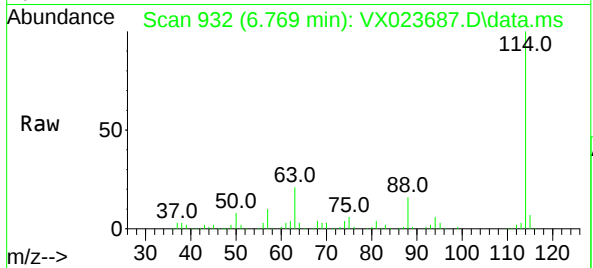




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

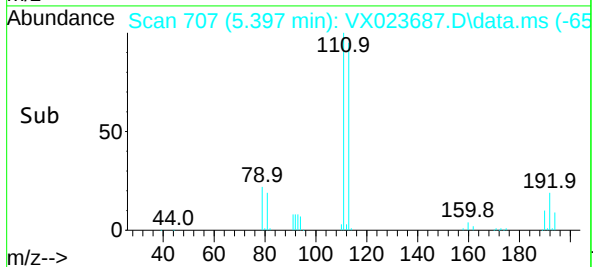
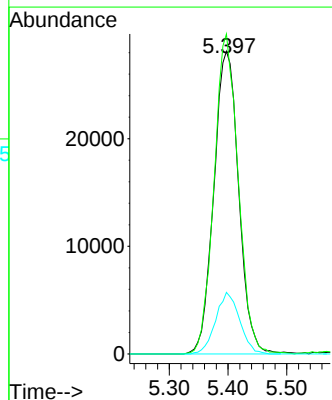
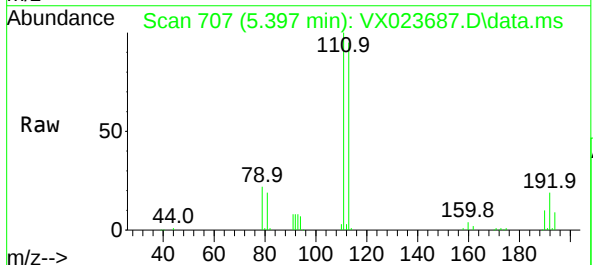
Instrument :
MSVOA_X
ClientSampleId :

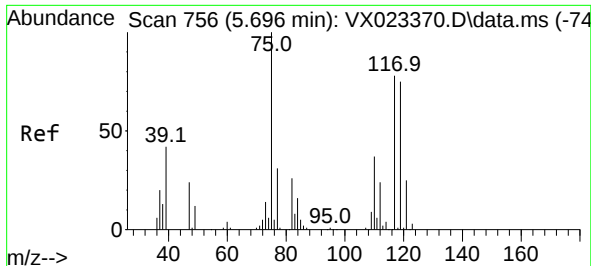
Tgt Ion:114 Resp: 253771
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.002 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion:113 Resp: 82511
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.156 ug/l

RT: 5.562 min Scan# 734

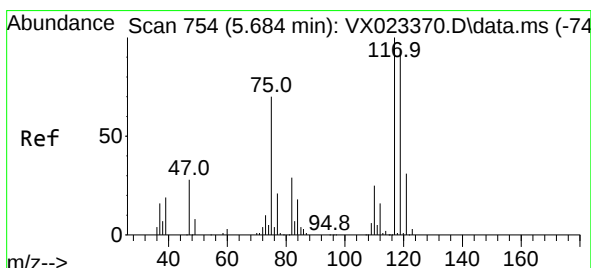
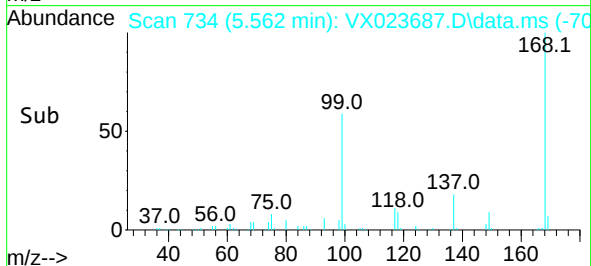
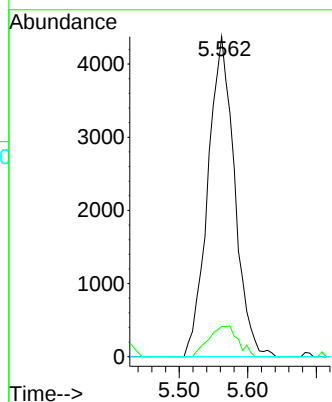
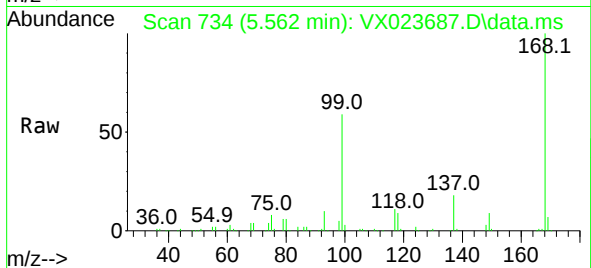
Delta R.T. -0.134 min

Lab File: VX023687.D

Acq: 13 Aug 2021 13:52

Tgt Ion: 75	Resp: 11836
Ion Ratio	Lower Upper
75 100	
110 10.5	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.412 ug/l

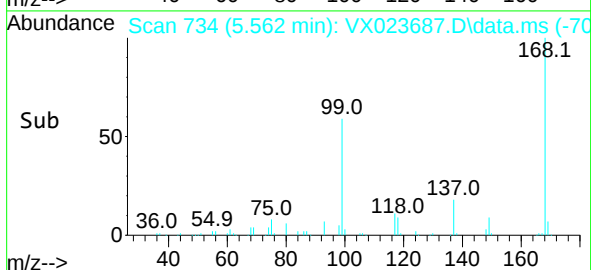
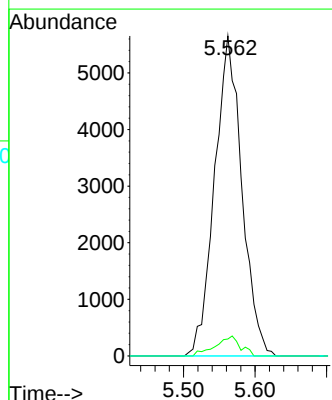
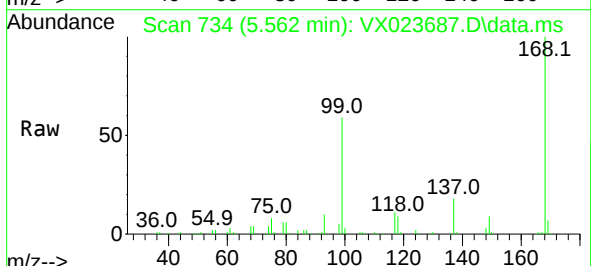
RT: 5.562 min Scan# 734

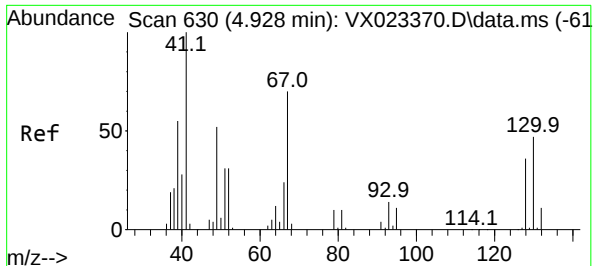
Delta R.T. -0.122 min

Lab File: VX023687.D

Acq: 13 Aug 2021 13:52

Tgt Ion: 117	Resp: 14970
Ion Ratio	Lower Upper
117 100	
119 5.3	76.2 114.2#
121 0.0	24.8 37.2#

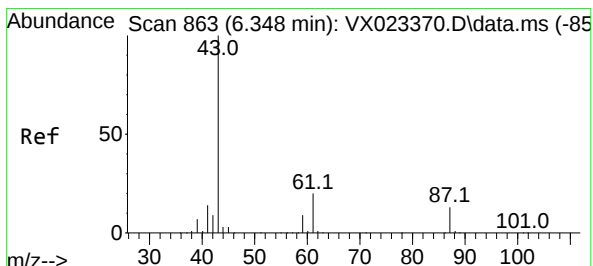
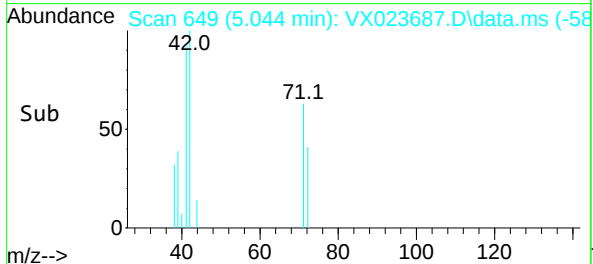
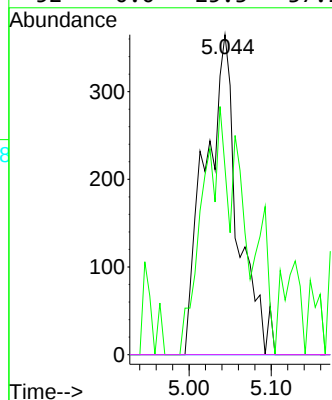
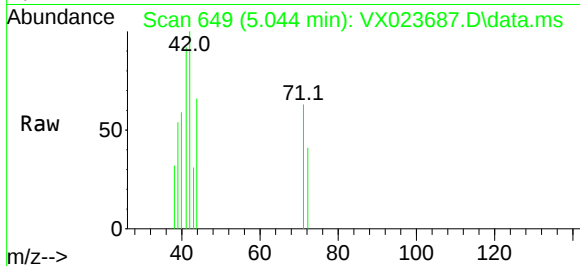




#41
Methacrylonitrile
Concen: 0.663 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

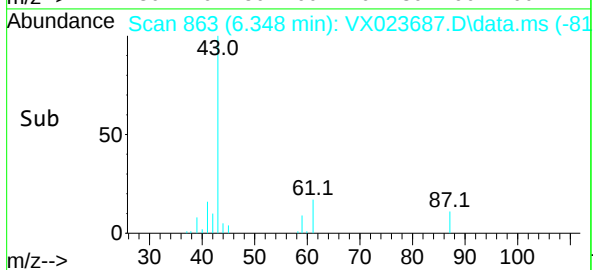
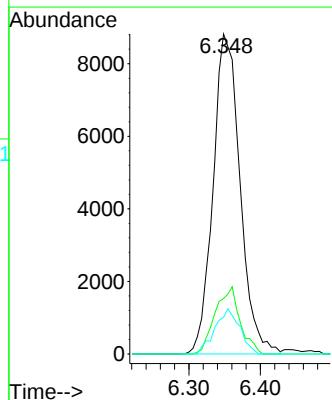
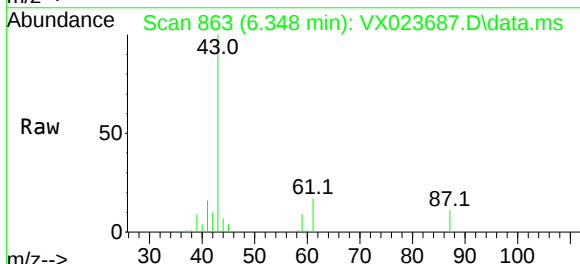
Instrument :
MSVOA_X
ClientSampled :

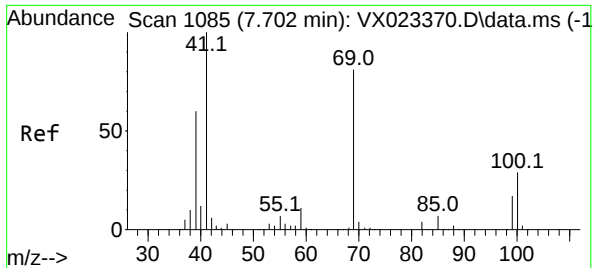
Tgt Ion:	41	Resp:	1014
Ion	Ratio	Lower	Upper
41	100		
39	58.1	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.153 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion:	43	Resp:	23110
Ion	Ratio	Lower	Upper
43	100		
61	19.3	18.2	27.4
87	12.9	12.5	18.7





#48

Methyl methacrylate

Concen: 2.993 ug/l

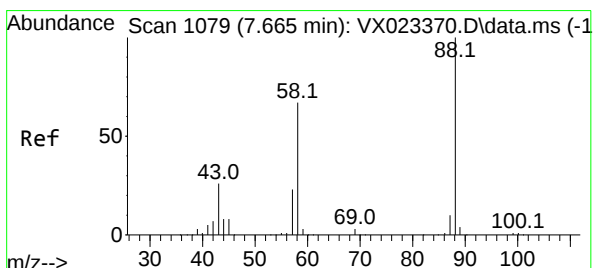
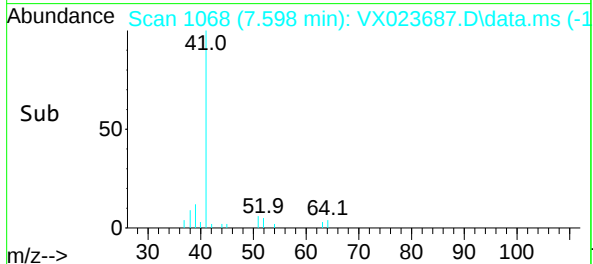
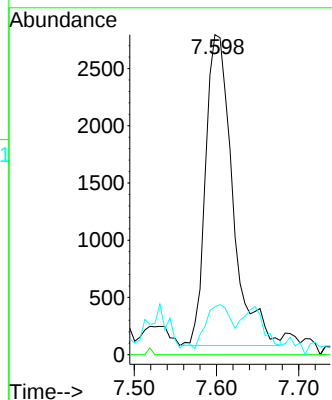
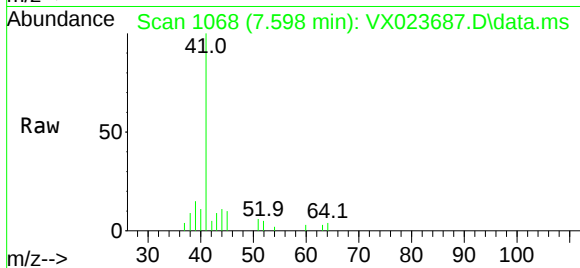
RT: 7.598 min Scan# 1068

Delta R.T. -0.104 min

Lab File: VX023687.D

Acq: 13 Aug 2021 13:52

Tgt Ion:	41	Resp:	6218
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: 5.064 ug/l

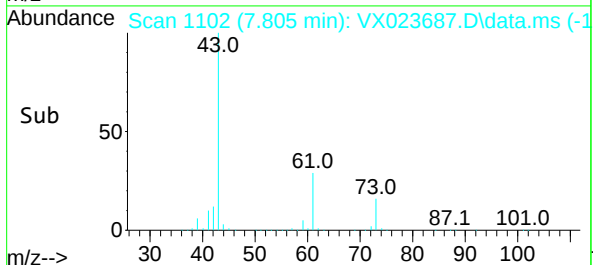
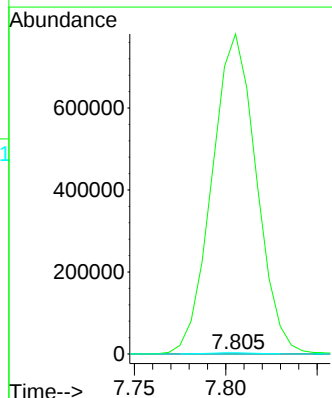
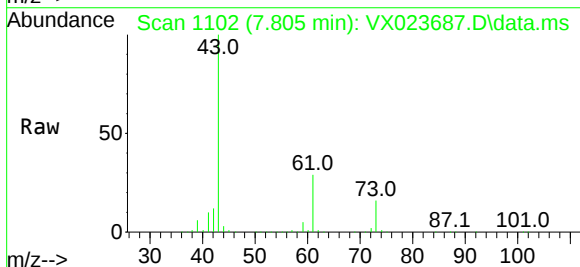
RT: 7.805 min Scan# 1102

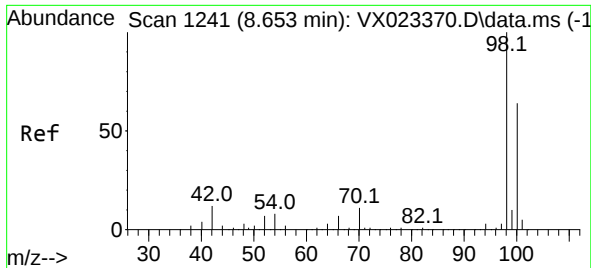
Delta R.T. 0.140 min

Lab File: VX023687.D

Acq: 13 Aug 2021 13:52

Tgt Ion:	88	Resp:	224
Ion	Ratio	Lower	Upper
88	100		
43	591927.7	23.2	34.8#
58	2491.1	55.0	82.4#

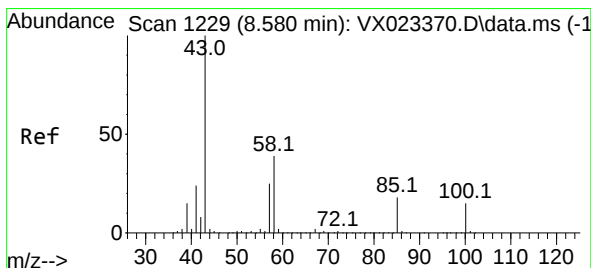
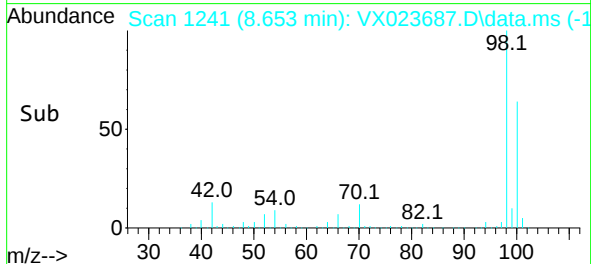
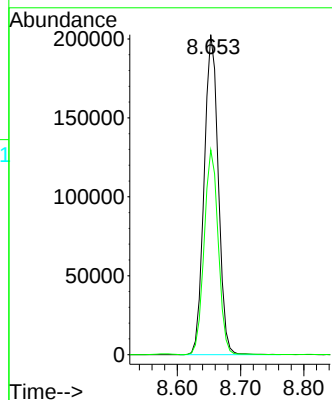
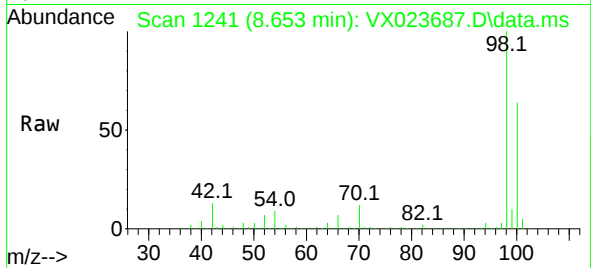




#50
Toluene-d8
Concen: 54.206 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

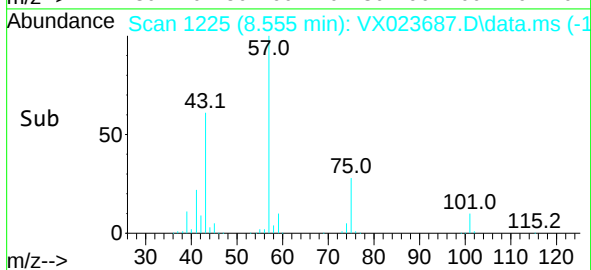
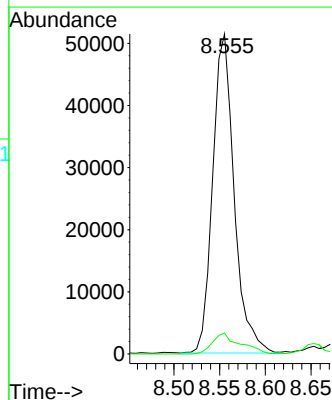
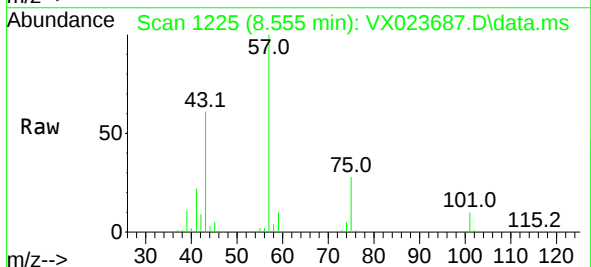
Instrument :
MSVOA_X
ClientSampled :

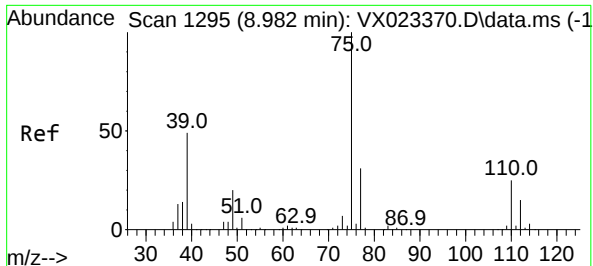
Tgt Ion: 98 Resp: 315996
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.558 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 43 Resp: 83830
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#

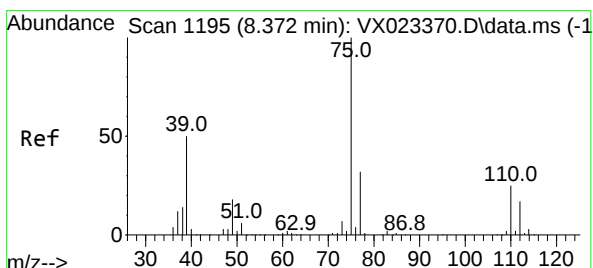
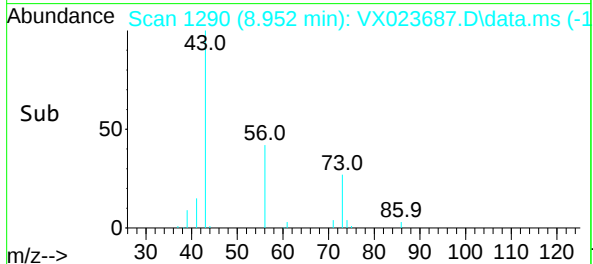
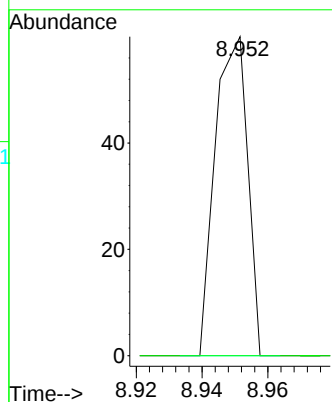
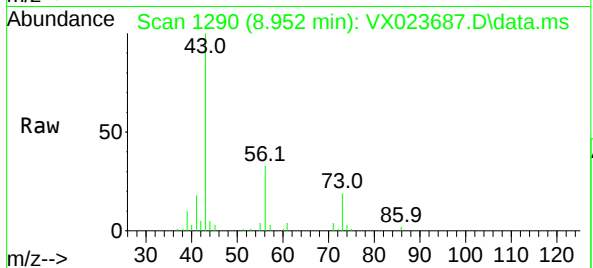




#53
t-1,3-Dichloropropene
Concen: 1.831 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

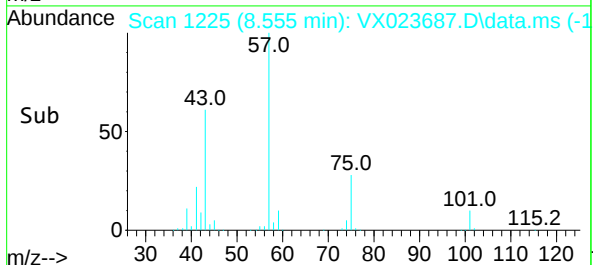
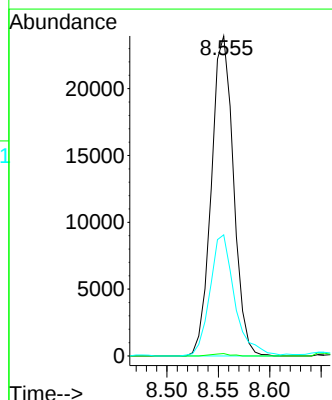
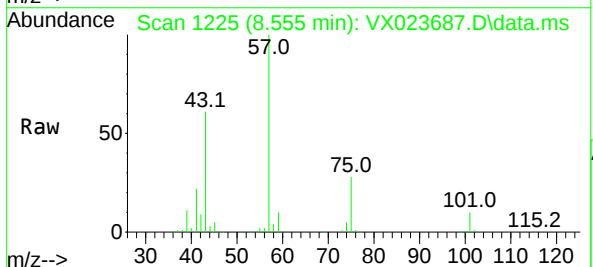
Instrument :
MSVOA_X
ClientSampled :

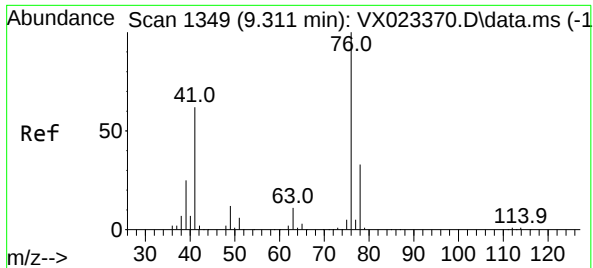
Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.050 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 75 Resp: 35807
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 37.9 35.1 52.7



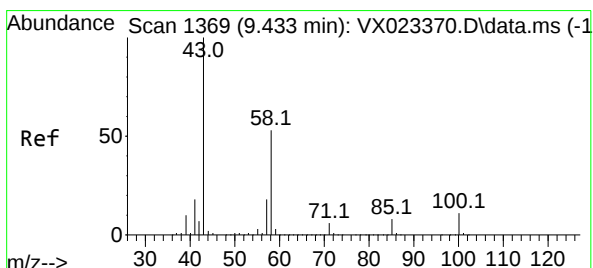
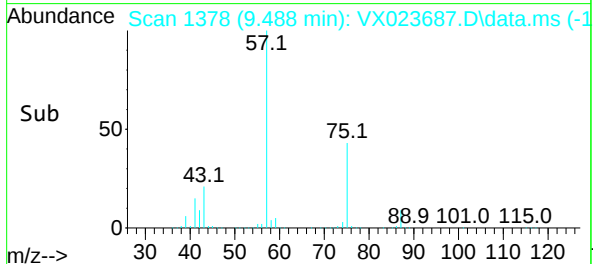
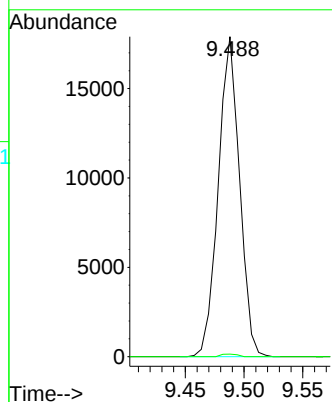
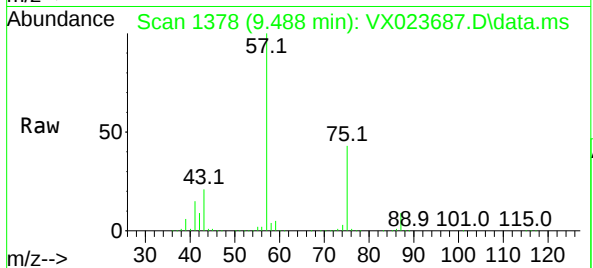


#57

1,3-Dichloropropane
Concen: 7.776 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Instrument :
MSVOA_X
ClientSampled :

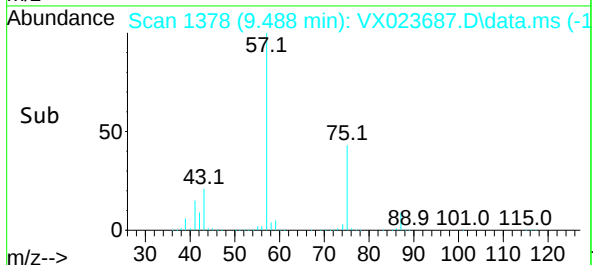
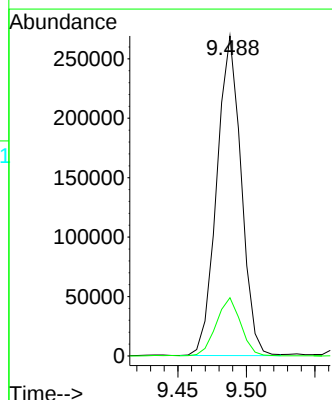
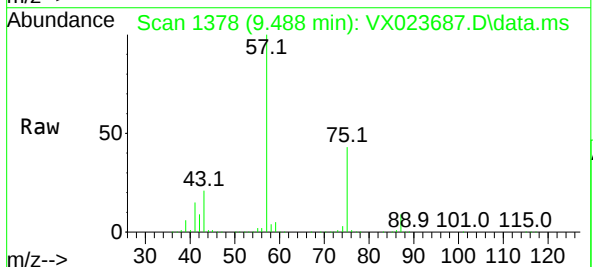
Tgt Ion: 76 Resp: 22563
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

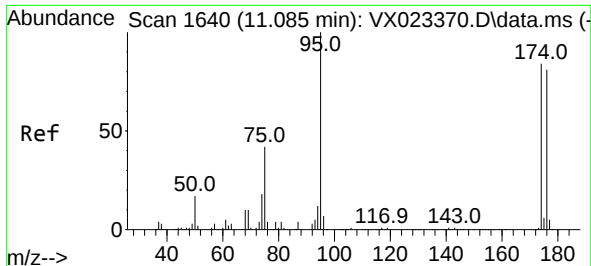


#59

2-Hexanone
Concen: 159.583 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 43 Resp: 332442
Ion Ratio Lower Upper
43 100
58 18.3 30.9 92.8#

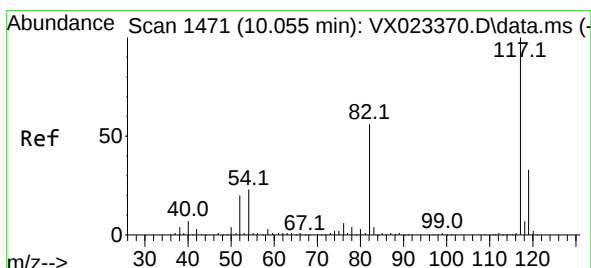
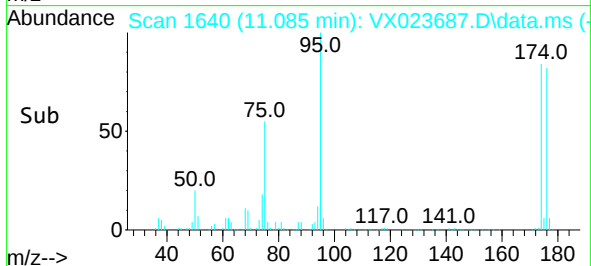
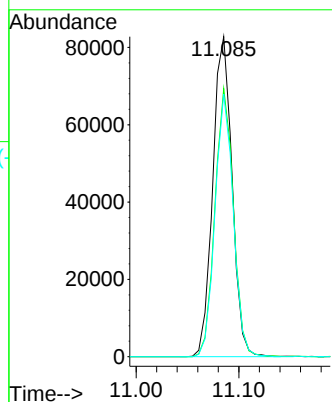
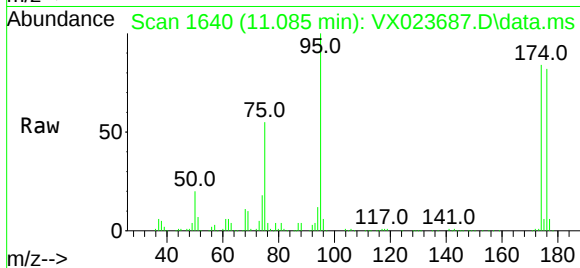




#62
4-Bromofluorobenzene
Concen: 54.377 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

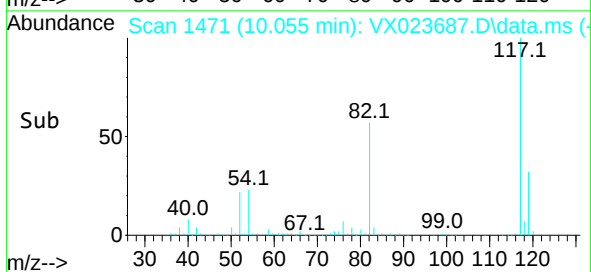
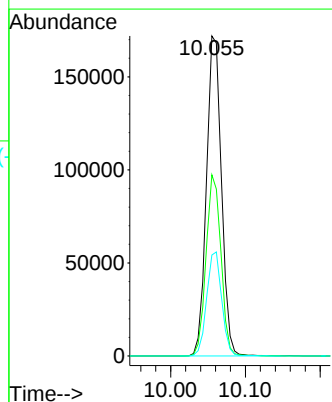
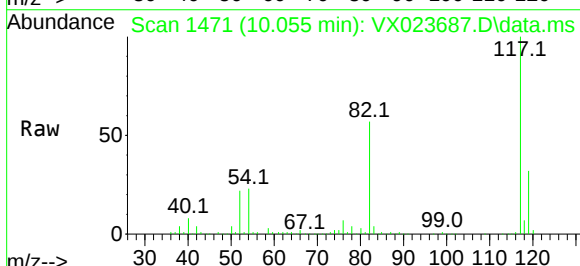
Instrument :
MSVOA_X
ClientSampled :

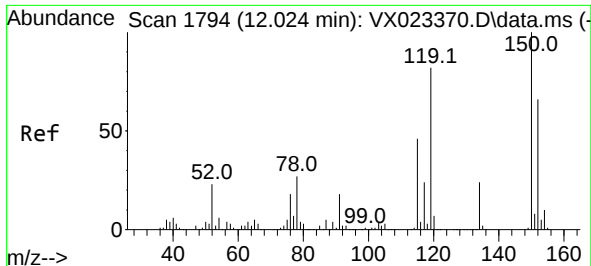
Tgt Ion: 95 Resp: 107791
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 77.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 117 Resp: 239596
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.5 26.6 39.8

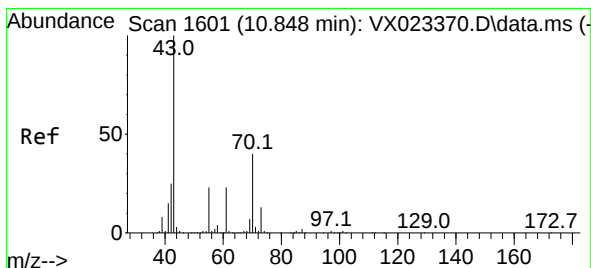
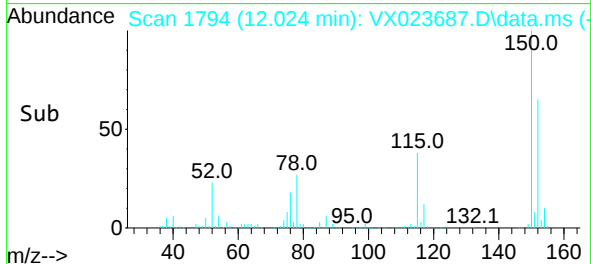
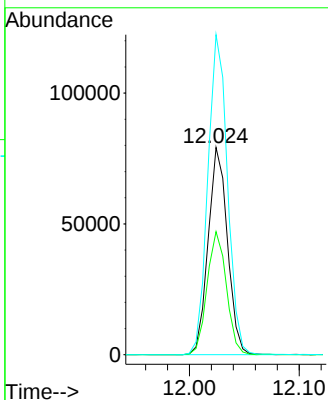
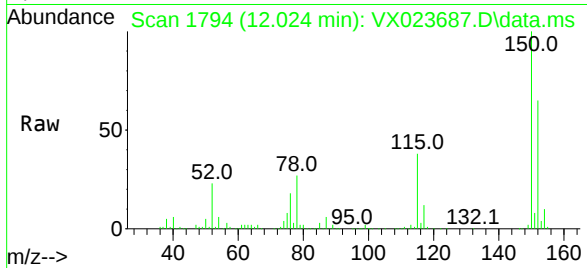




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

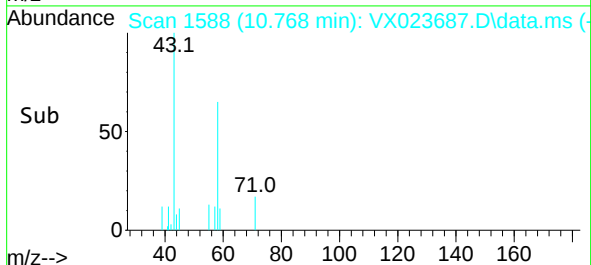
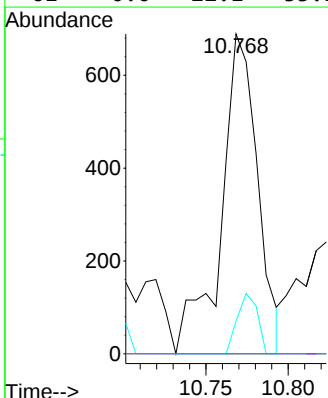
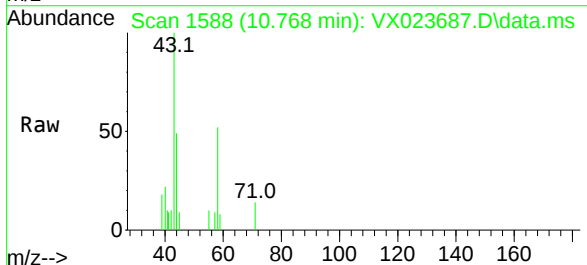
Instrument :
MSVOA_X
ClientSampled :

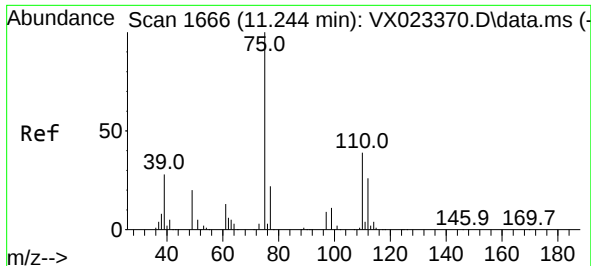
Tgt Ion:152 Resp: 97069
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 156.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.318 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 10.5 21.5 32.3#
61 0.0 22.1 33.1#

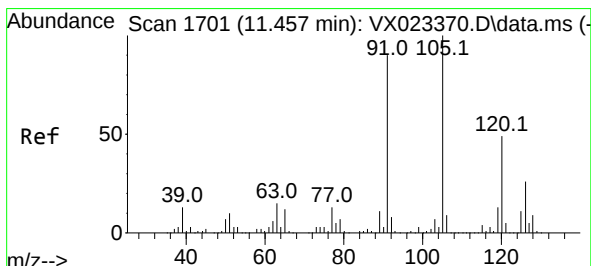
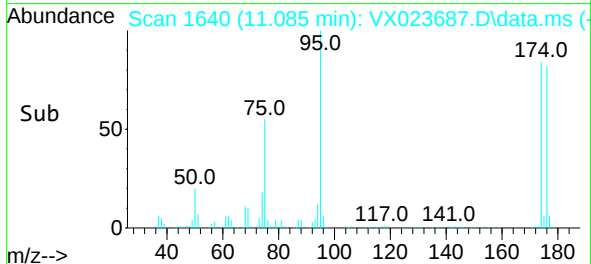
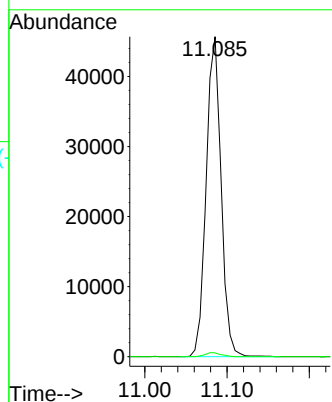
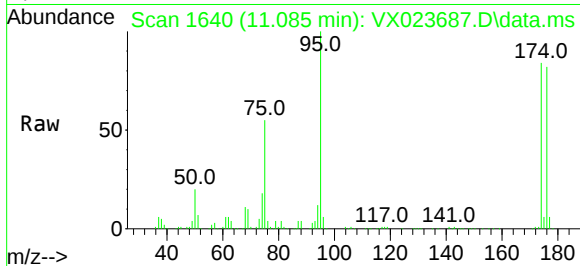




#76
1,2,3-Trichloropropane
Concen: 26.919 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

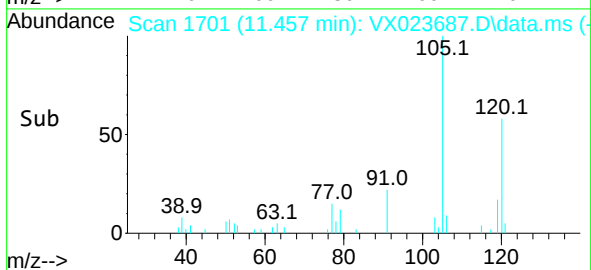
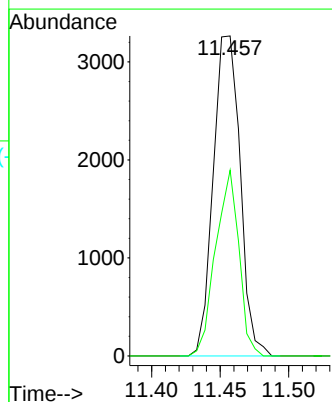
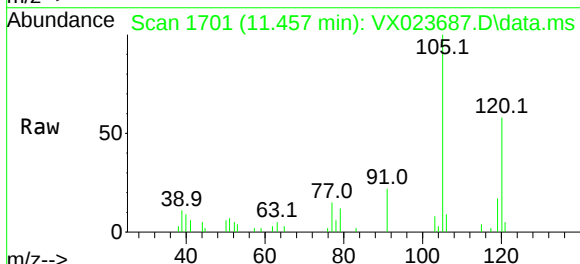
Instrument :
MSVOA_X
ClientSampled :

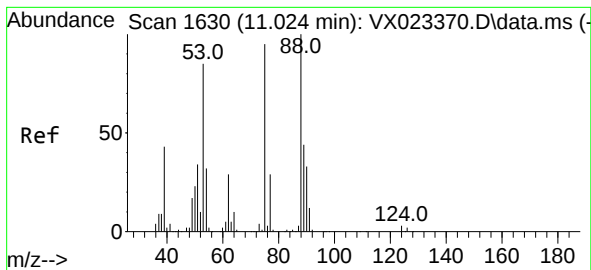
Tgt Ion: 75 Resp: 57500
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.748 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023687.D
Acq: 13 Aug 2021 13:52

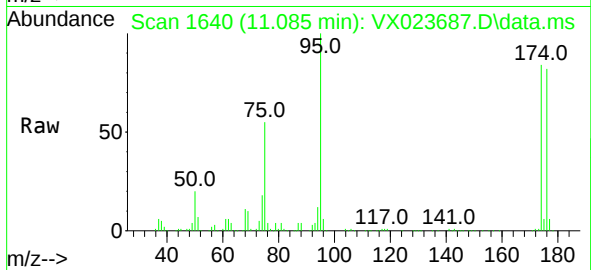
Tgt Ion: 105 Resp: 4459
Ion Ratio Lower Upper
105 100
120 50.3 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.381 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023687.D
 Acq: 13 Aug 2021 13:52

Instrument :
 MSVOA_X
 ClientSampleId :



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

