

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023701.D
 Acq On : 13 Aug 2021 19:22
 Operator : JC/MD
 Sample : PB138358ZHE#18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:29:40 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)

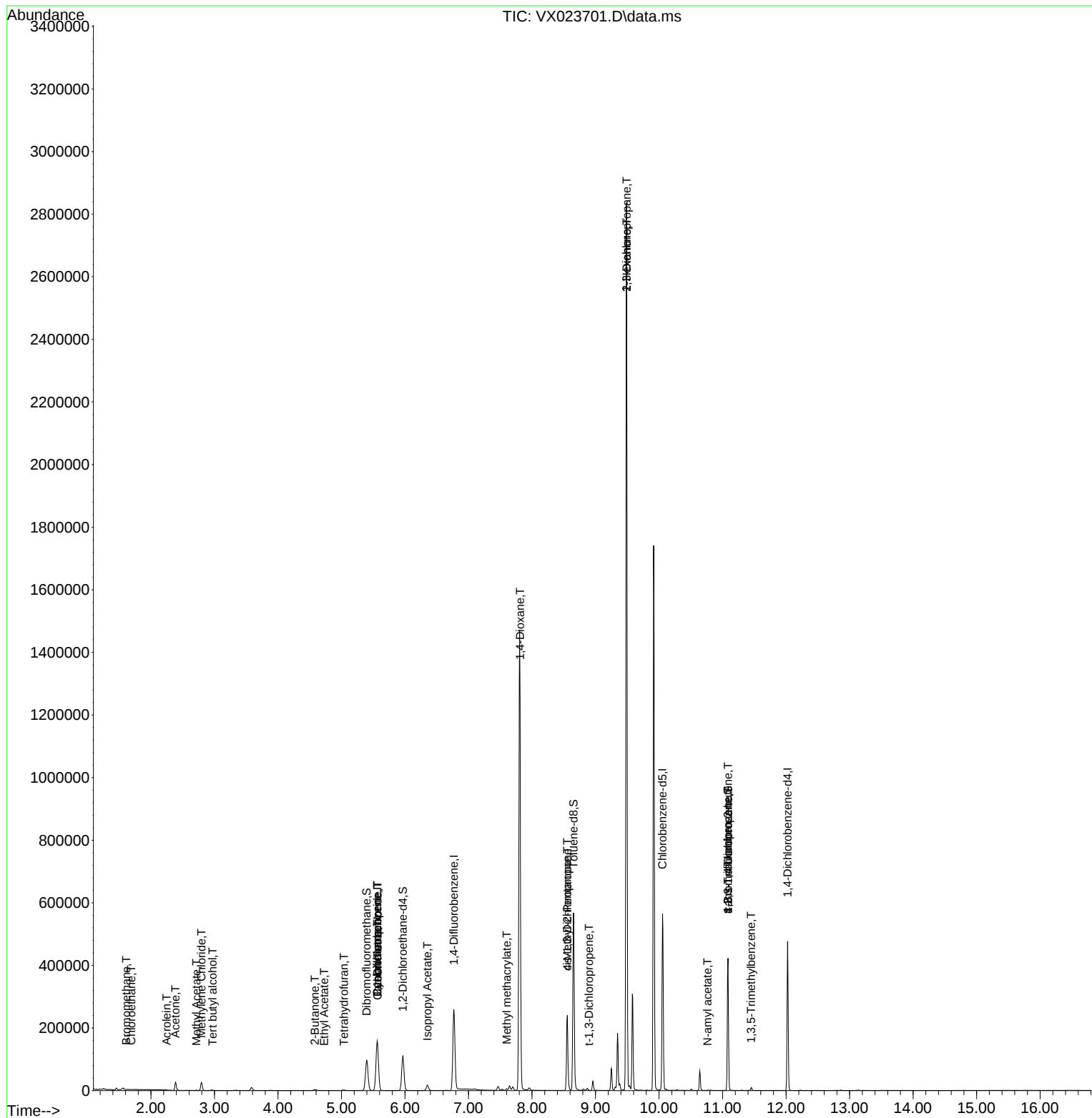
Internal Standards						
1) Pentafluorobenzene	5.562	168	146242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106247	58.242	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 116.480%		
35) Dibromofluoromethane	5.397	113	82198	51.649	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.300%		
50) Toluene-d8	8.653	98	320579	54.827	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.660%		
62) 4-Bromofluorobenzene	11.085	95	105911	53.269	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 106.540%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	277	0.294	ug/l #	39
6) Chloroethane	1.691	64	235	0.241	ug/l #	43
11) Tert butyl alcohol	2.971	59	834	2.001	ug/l #	73
13) Acrolein	2.245	56	47	1.584	ug/l #	14
16) Acetone	2.386	43	27378	30.594	ug/l	92
18) Methyl Acetate	2.715	43	1744	0.820	ug/l #	82
20) Methylene Chloride	2.794	84	11477	6.593	ug/l #	87
25) 2-Butanone	4.580	43	4655	3.351	ug/l #	80
29) Tetrahydrofuran	5.038	42	1518	1.667	ug/l #	82
31) Cyclohexane	5.562	56	3230	1.195	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	11727	5.093	ug/l #	49
37) Ethyl Acetate	4.727	43	728	0.251	ug/l #	64
38) Carbon Tetrachloride	5.568	117	15105	6.451	ug/l #	16
43) Isopropyl Acetate	6.354	43	23229	5.164	ug/l #	92
48) Methyl methacrylate	7.604	41	6651	3.192	ug/l #	10
49) 1,4-Dioxane	7.812	88	232	5.229	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	85446	31.054	ug/l #	45
53) t-1,3-Dichloropropene	8.897	75	47	1.833	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	35537	12.913	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	23217	7.978	ug/l #	42
59) 2-Hexanone	9.488	43	335442	160.540	ug/l #	43
74) N-amyl acetate	10.762	43	650	0.200	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	57230	27.585	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	4500	0.777	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	57230	74.173	ug/l #	12

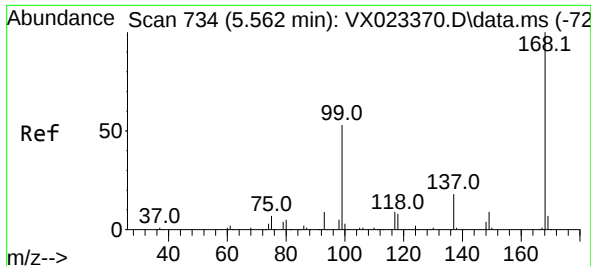
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 14 05:29:40 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

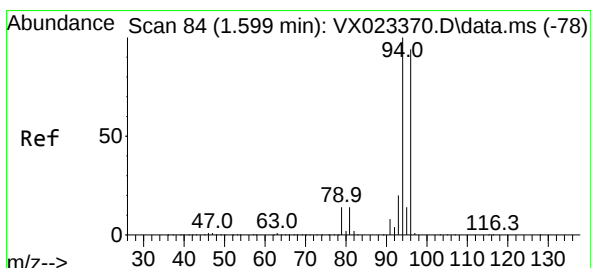
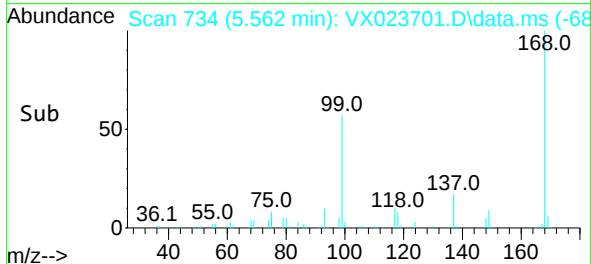
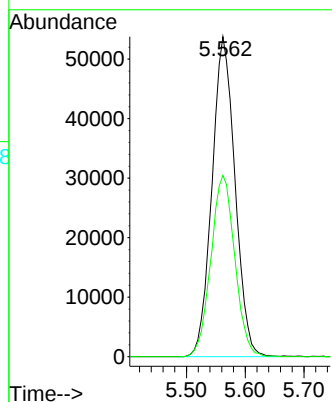
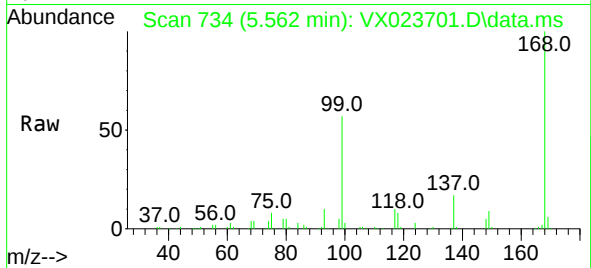




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

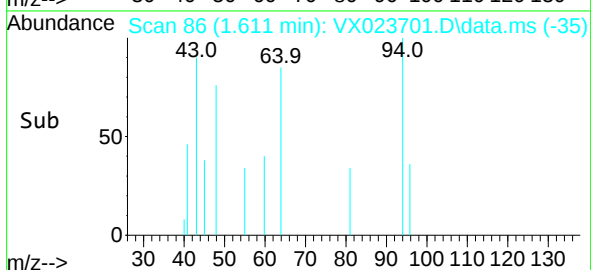
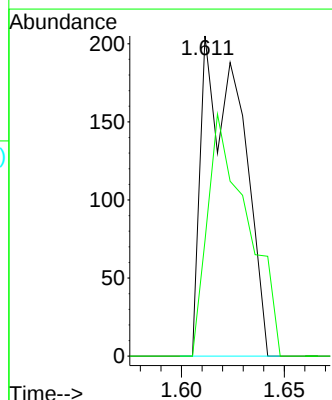
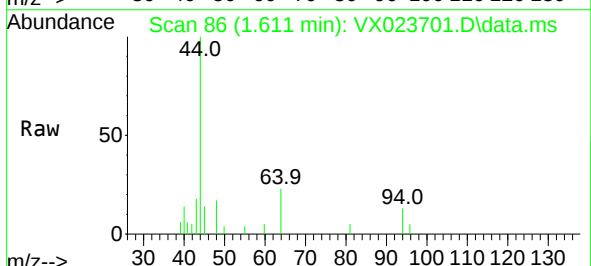
Instrument :
MSVOA_X
ClientSampled :

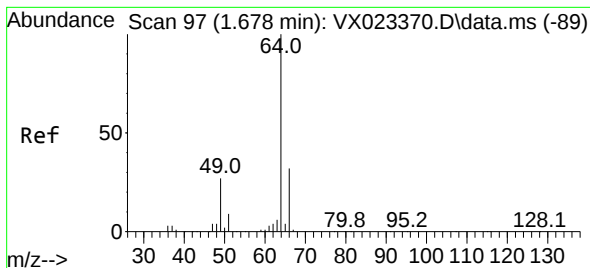
Tgt Ion:168 Resp: 146242
Ion Ratio Lower Upper
168 100
99 56.7 45.8 68.6



#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 36.1 76.4 114.6#

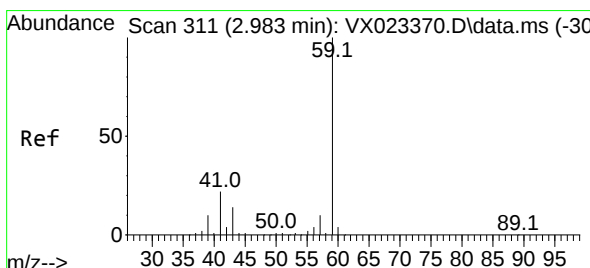
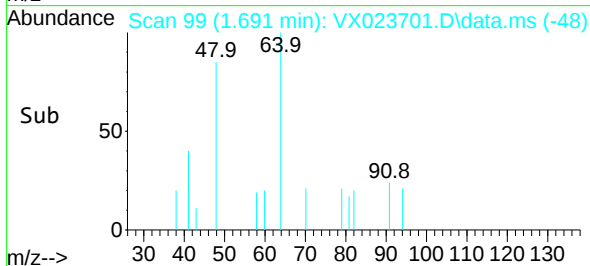
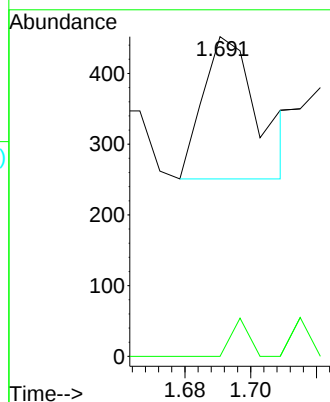
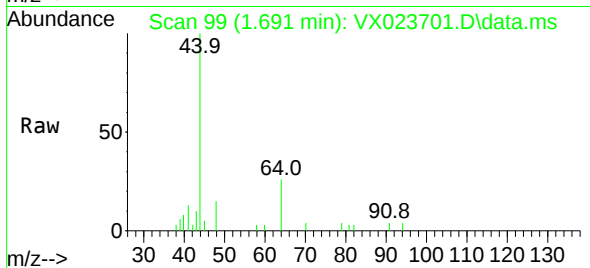




#6
Chloroethane
Concen: 0.241 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

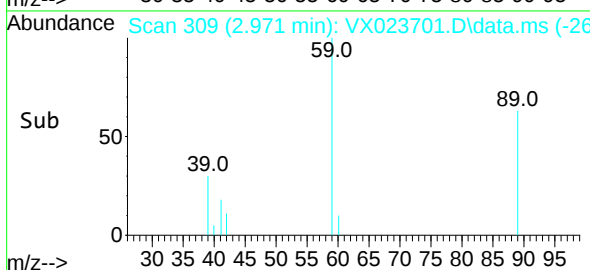
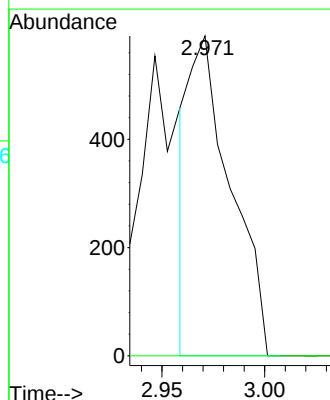
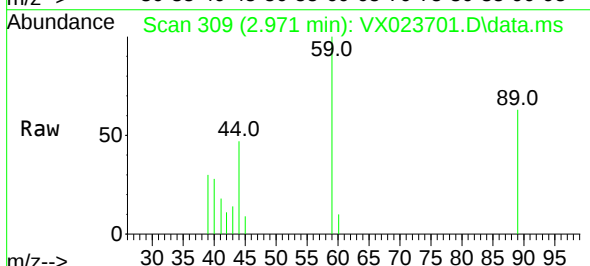
Instrument :
MSVOA_X
ClientSampled :

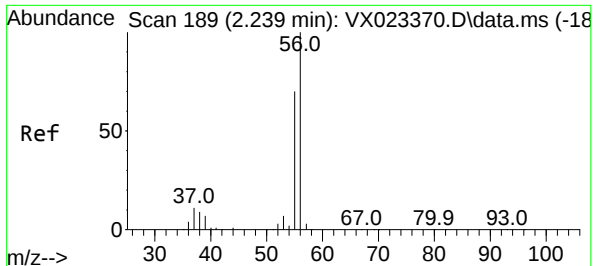
Tgt Ion: 64 Resp: 235
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.001 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 59 Resp: 834
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

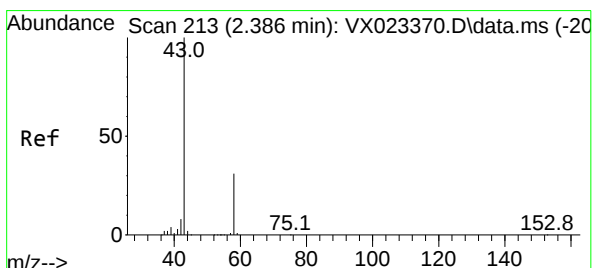
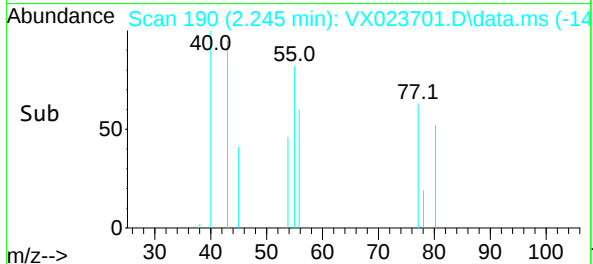
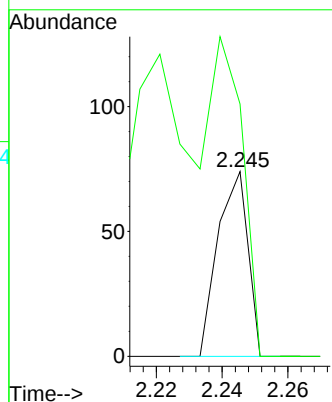
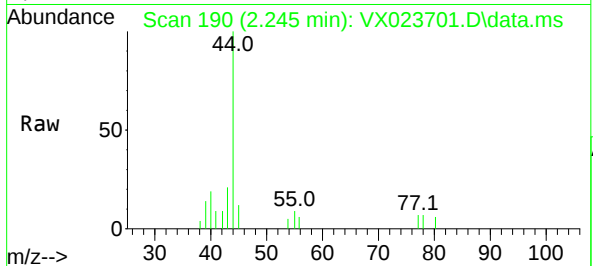




#13
Acrolein
Concen: 1.584 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

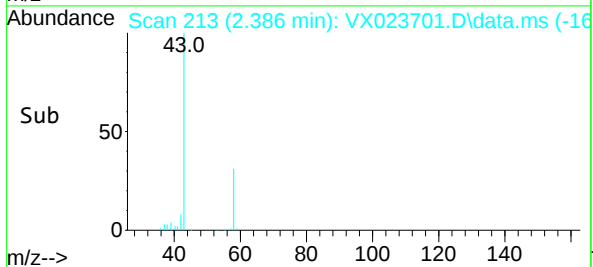
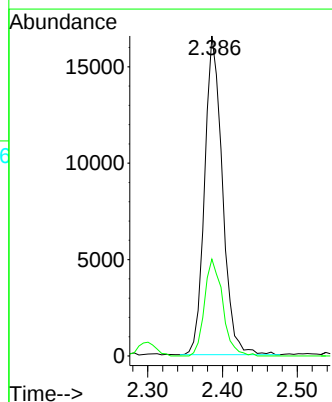
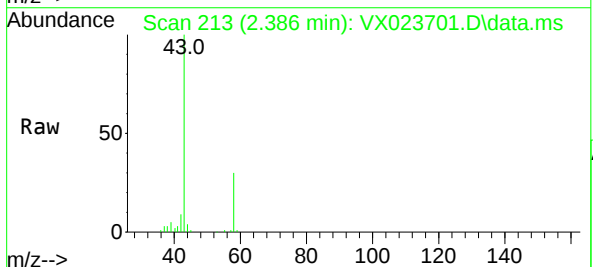
Instrument :
MSVOA_X
ClientSampled :

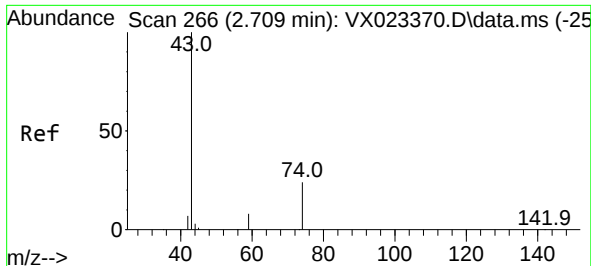
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 30.594 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 43 Resp: 27378
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.8

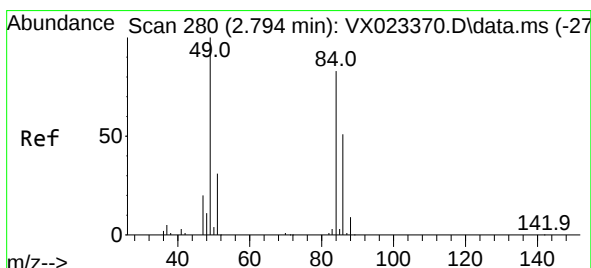
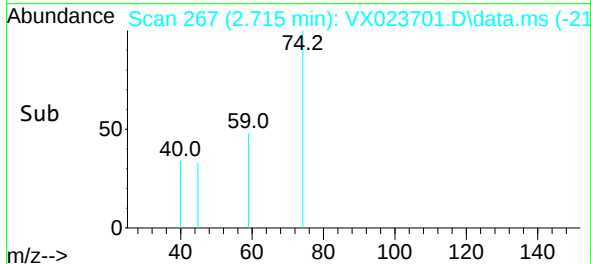
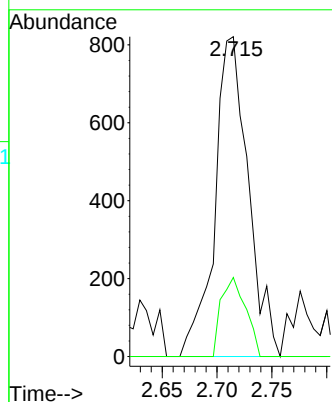
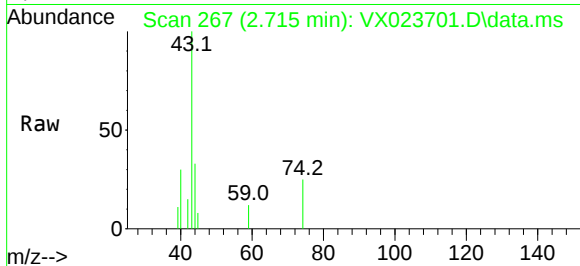




#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

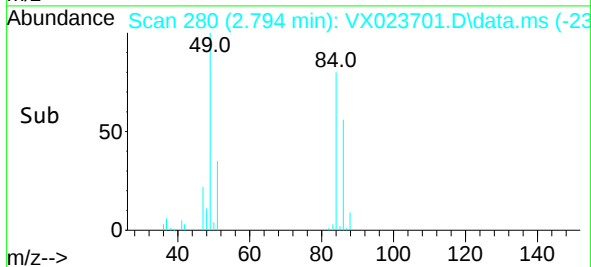
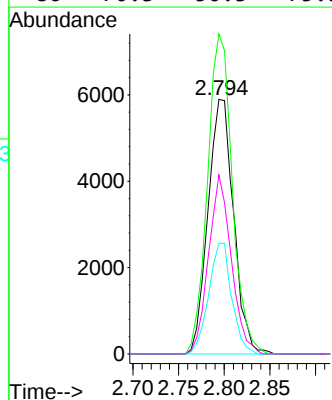
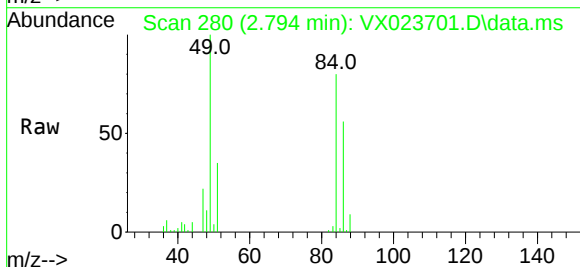
Instrument :
MSVOA_X
ClientSampled :

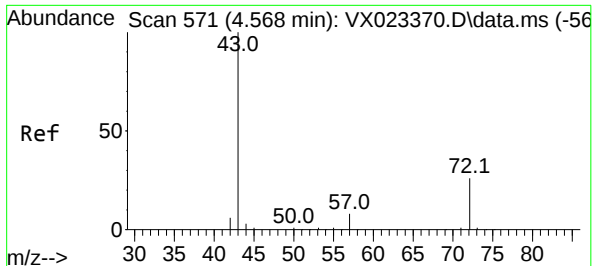
Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
74 18.2 21.9 32.9#



#20
Methylene Chloride
Concen: 6.593 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 84 Resp: 11477
Ion Ratio Lower Upper
84 100
49 125.7 88.6 132.8
51 43.5 27.0 40.6#
86 70.3 50.3 75.5

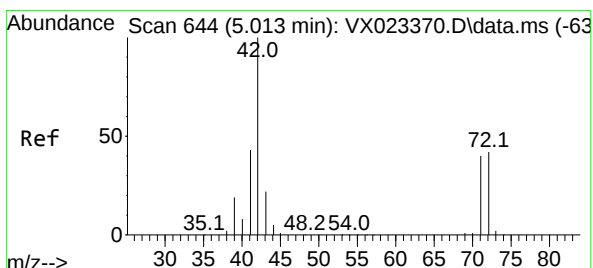
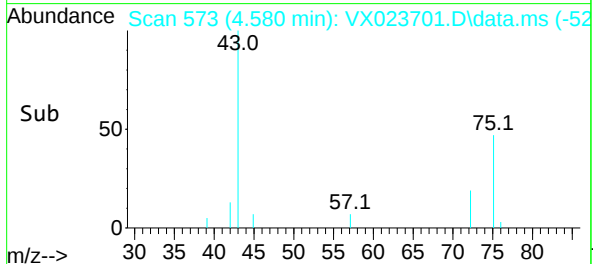
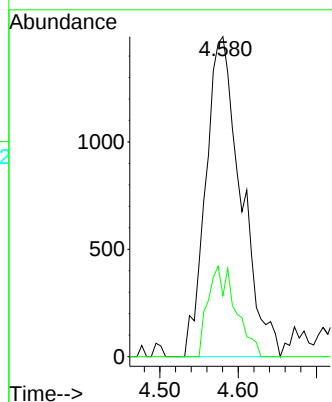
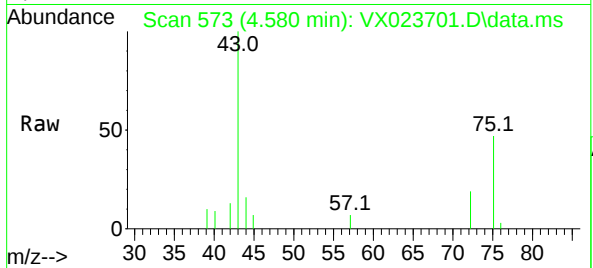




#25
2-Butanone
Concen: 3.351 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

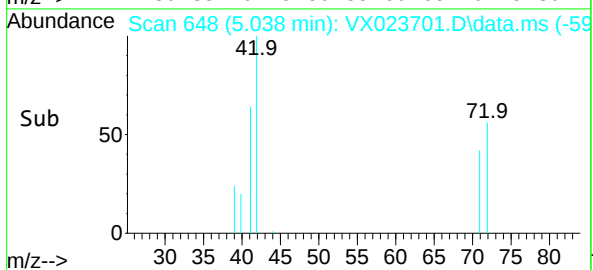
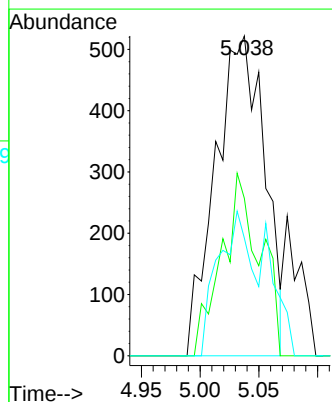
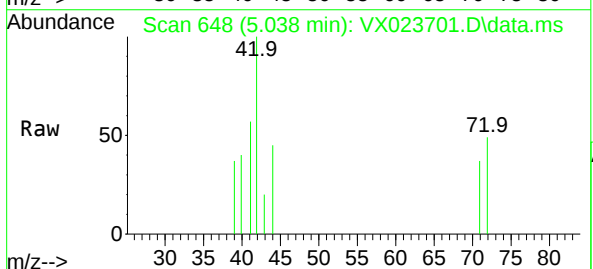
Instrument :
MSVOA_X
ClientSampled :

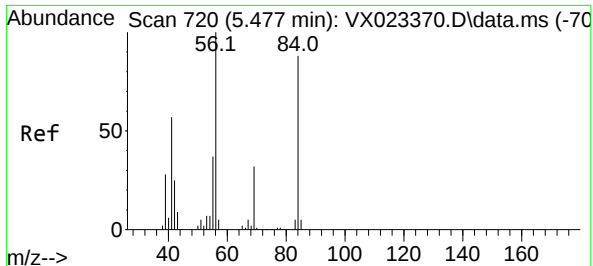
Tgt Ion: 43 Resp: 4655
Ion Ratio Lower Upper
43 100
72 19.1 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.667 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 42 Resp: 1518
Ion Ratio Lower Upper
42 100
72 44.5 41.7 62.5
71 31.1 38.4 57.6#

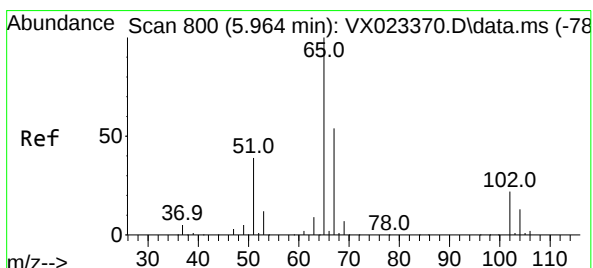
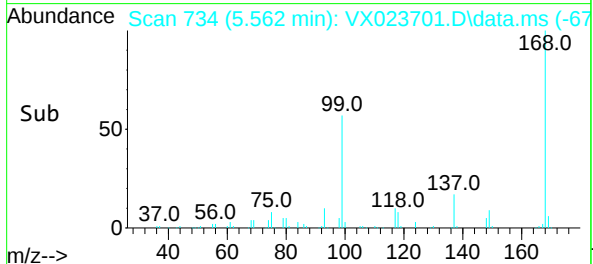
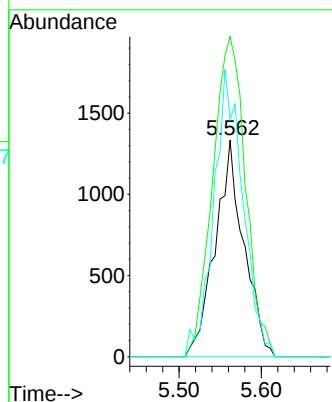
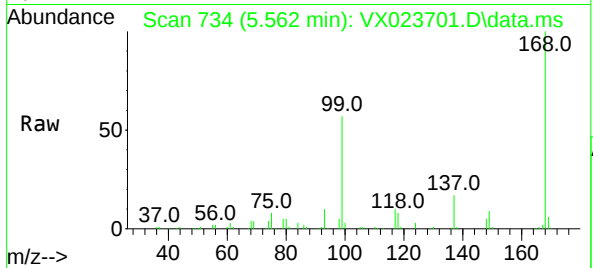




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

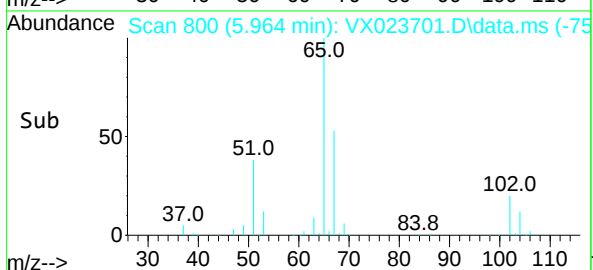
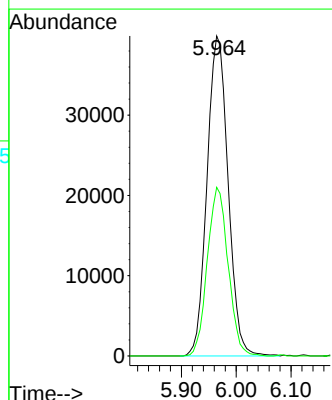
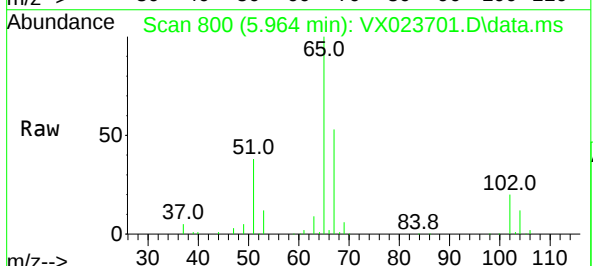
Instrument :
MSVOA_X
ClientSampled :

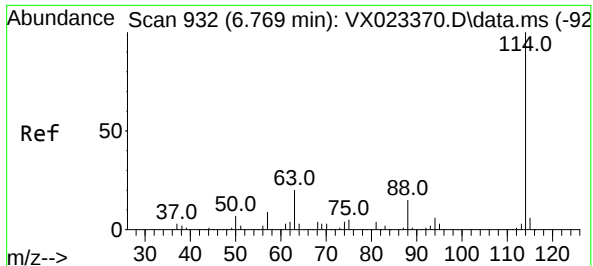
Tgt Ion: 56 Resp: 3230
Ion Ratio Lower Upper
56 100
69 147.9 25.3 37.9#
84 109.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 58.242 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 65 Resp: 106247
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

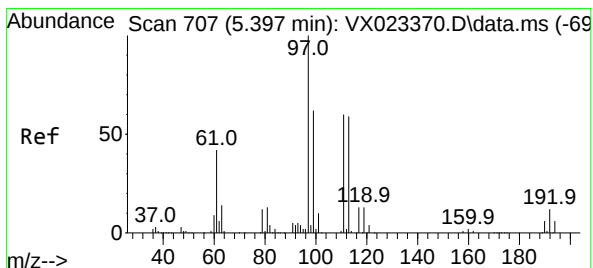
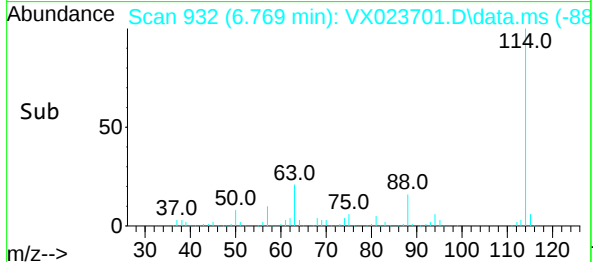
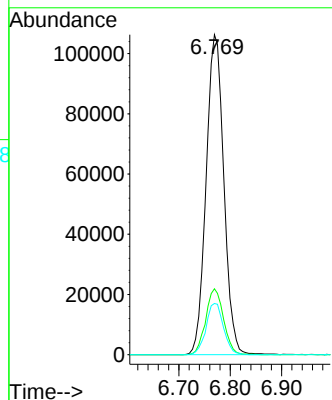
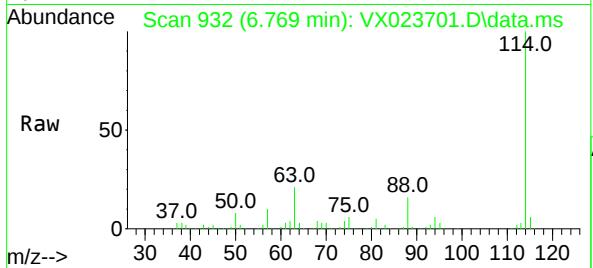




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

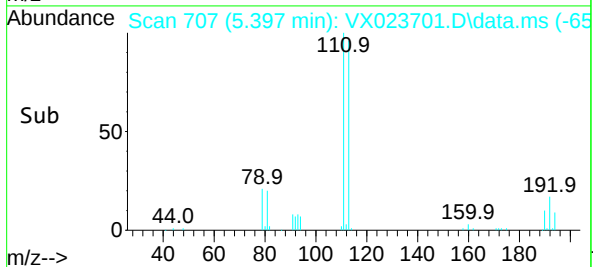
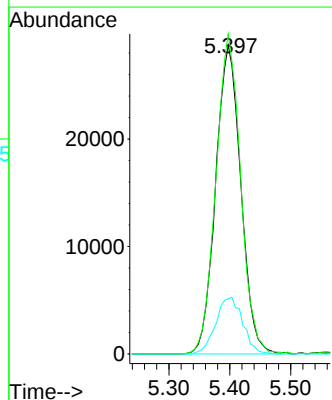
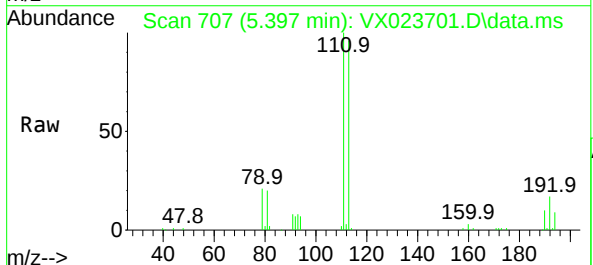
Instrument :
MSVOA_X
ClientSampleId :

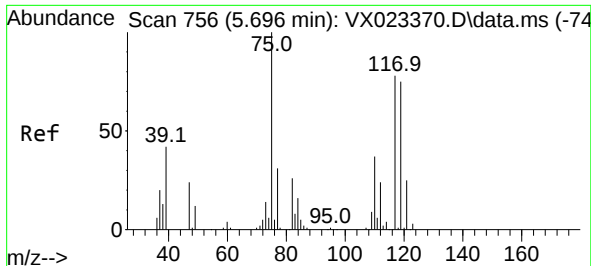
Tgt Ion:114 Resp: 254535
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.649 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion:113 Resp: 82198
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.6 16.7 25.1

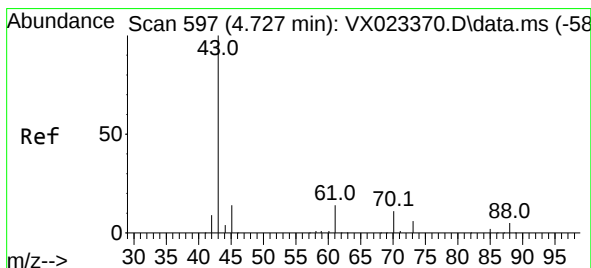
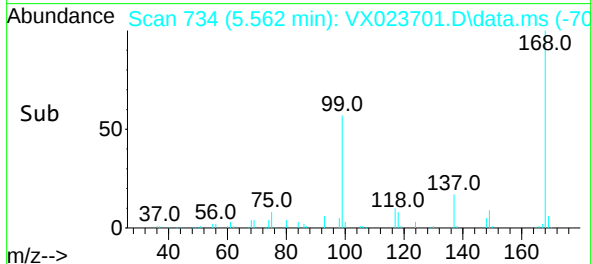
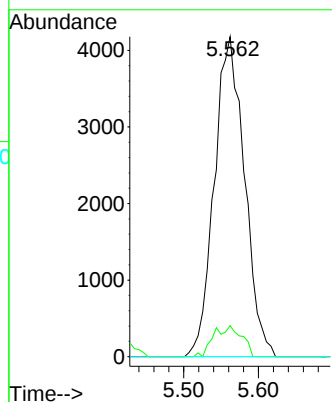
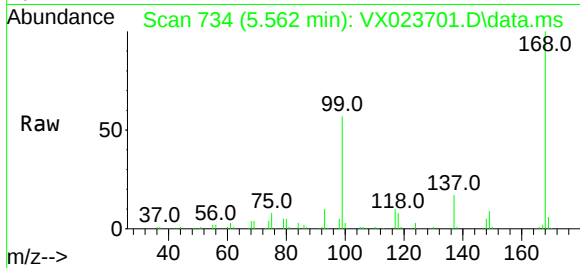




#36
1,1-Dichloropropene
Concen: 5.093 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

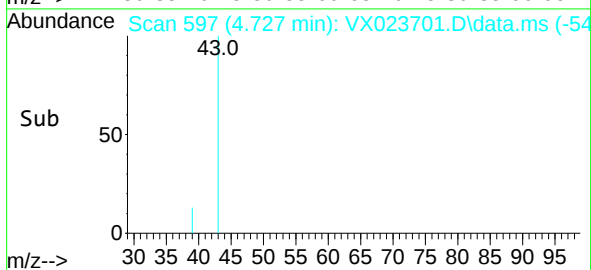
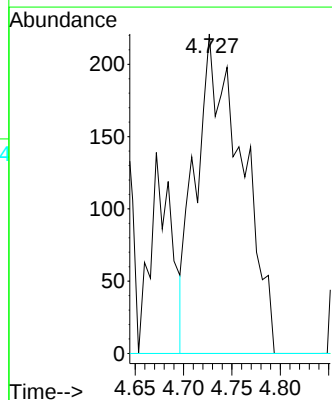
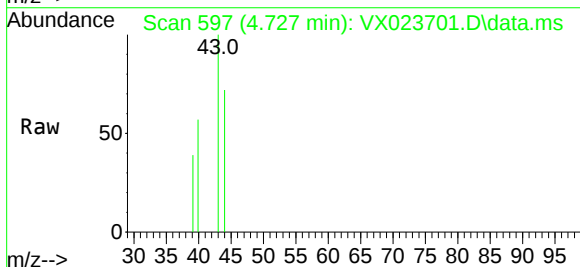
Instrument :
MSVOA_X
ClientSampled :

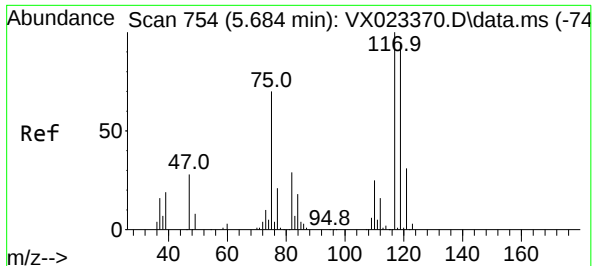
Tgt Ion: 75 Resp: 11727
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.251 ug/l
RT: 4.727 min Scan# 597
Delta R.T. -0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

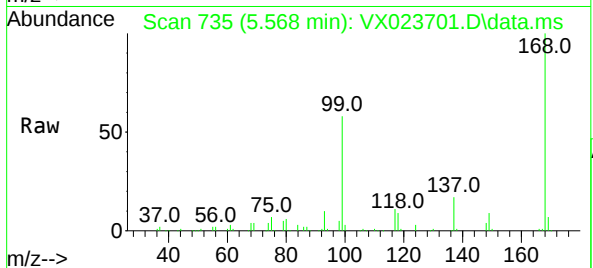
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



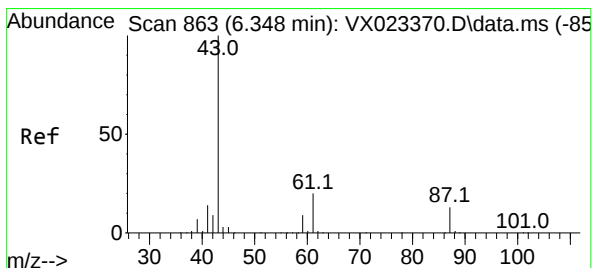
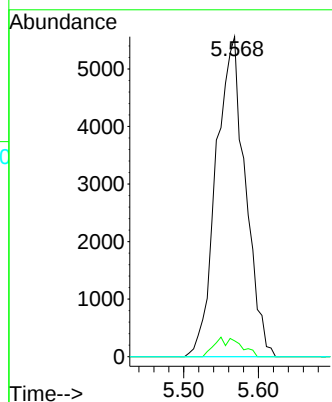
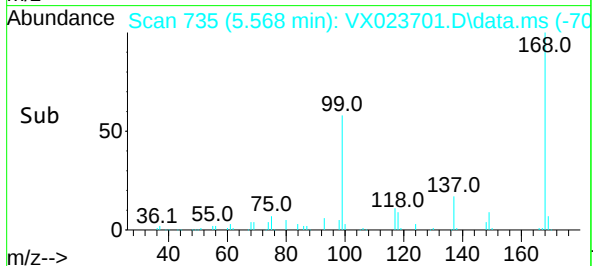


#38
Carbon Tetrachloride
Concen: 6.451 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

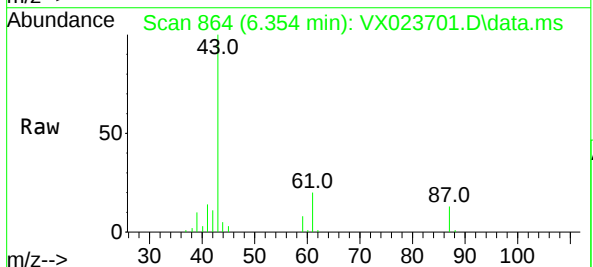
Instrument :
MSVOA_X
ClientSampled :



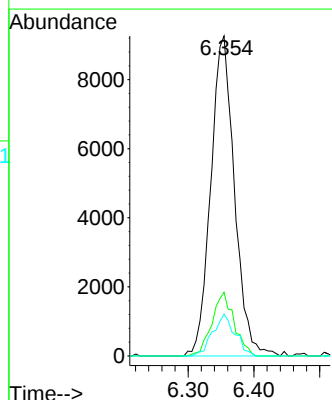
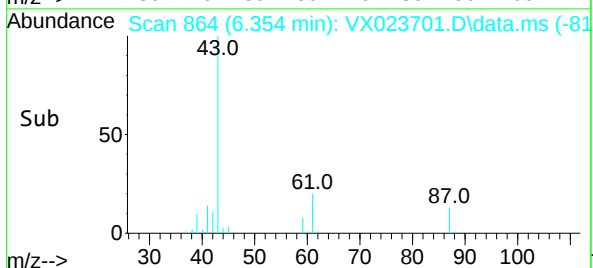
Tgt Ion:117 Resp: 15105
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

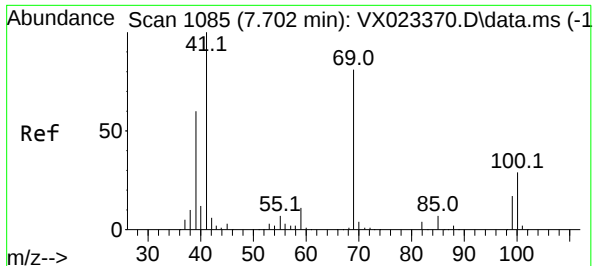


#43
Isopropyl Acetate
Concen: 5.164 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22



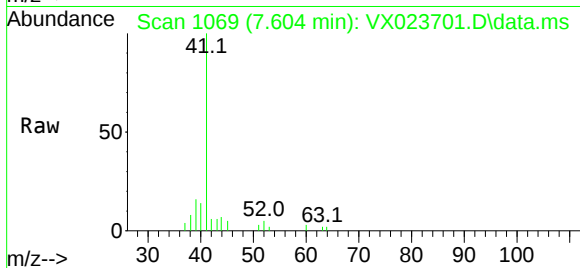
Tgt Ion: 43 Resp: 23229
Ion Ratio Lower Upper
43 100
61 18.7 18.2 27.4
87 12.3 12.5 18.7#



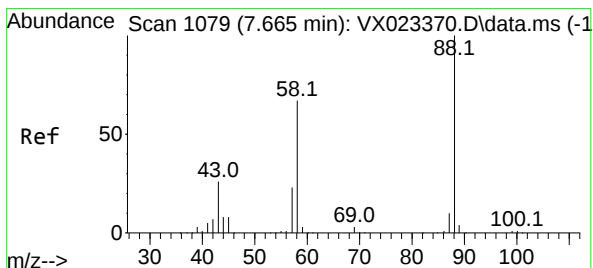
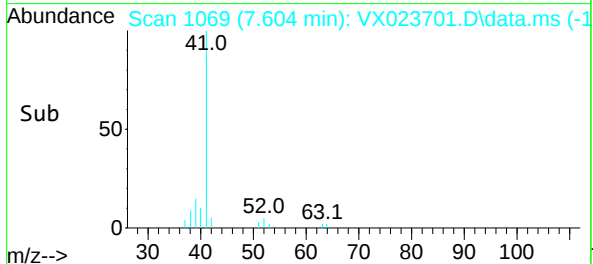
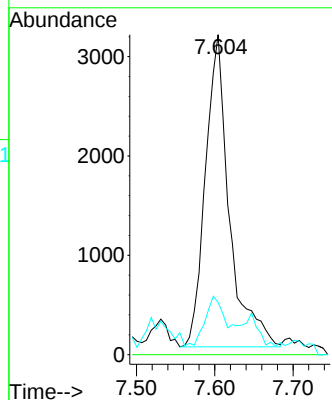


#48
Methyl methacrylate
Concen: 3.192 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Instrument :
MSVOA_X
ClientSampled :

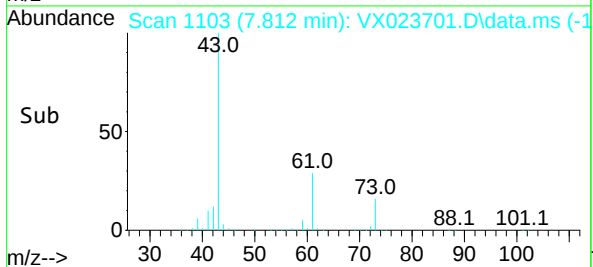
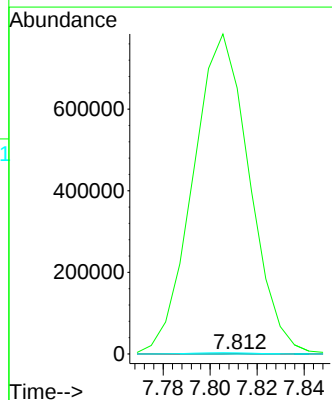
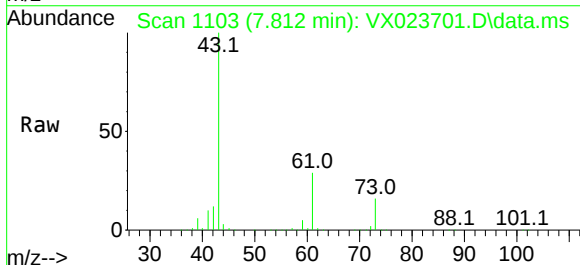


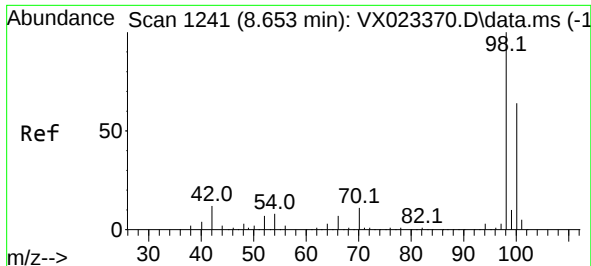
Tgt Ion: 41 Resp: 6651
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 5.229 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 569823.7 23.2 34.8#
58 2526.7 55.0 82.4#

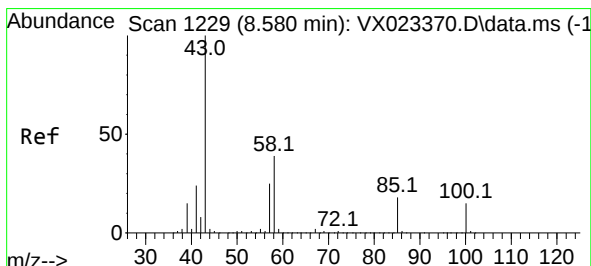
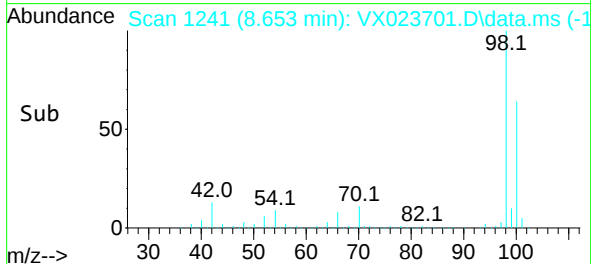
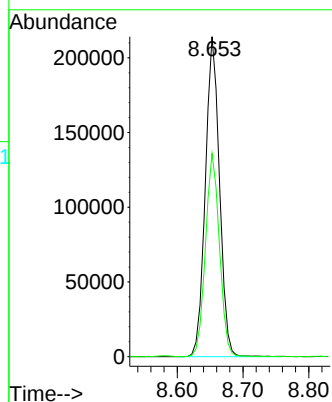
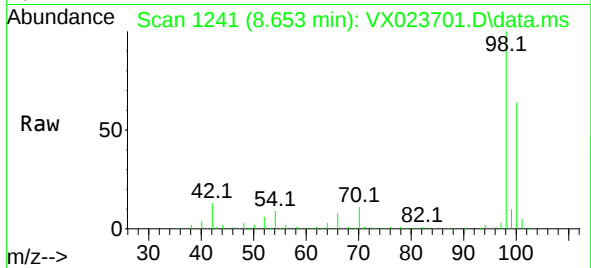




#50
Toluene-d8
Concen: 54.827 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

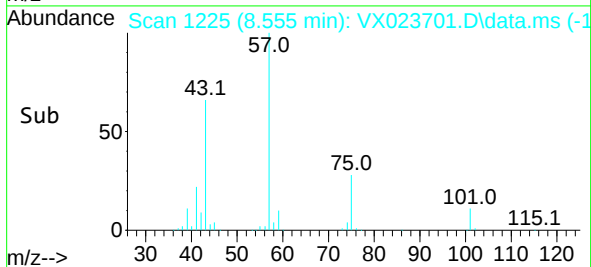
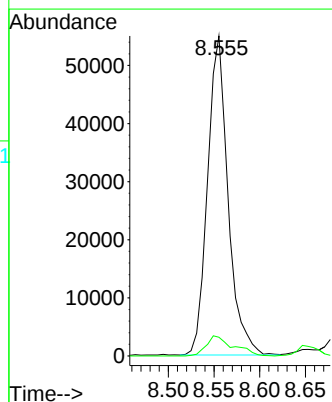
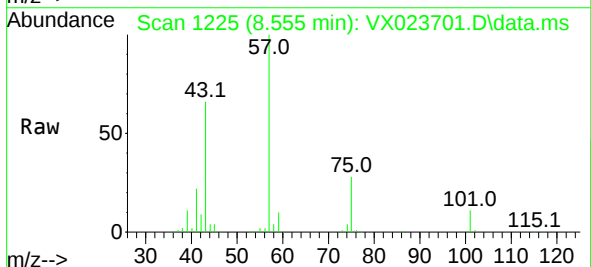
Instrument :
MSVOA_X
ClientSampled :

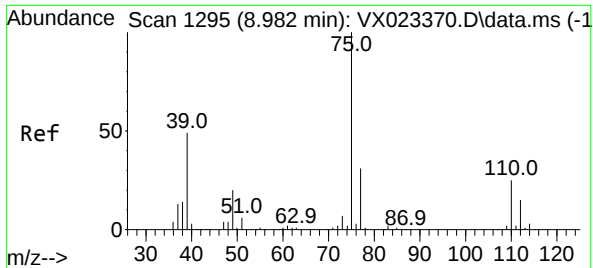
Tgt Ion: 98 Resp: 320579
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 31.054 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 43 Resp: 85446
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#

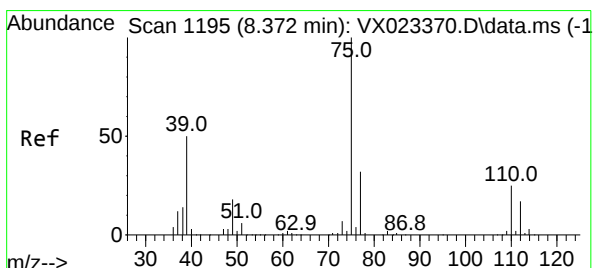
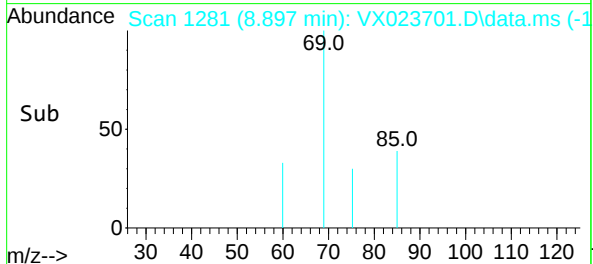
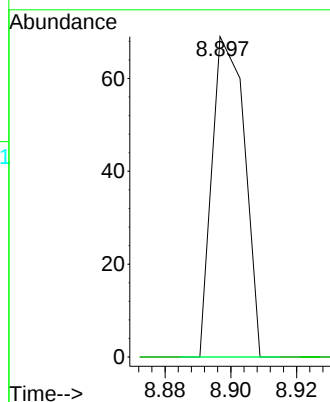
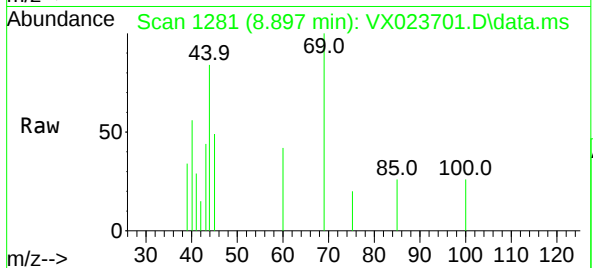




#53
t-1,3-Dichloropropene
Concen: 1.833 ug/l
RT: 8.897 min Scan# 1281
Delta R.T. -0.085 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

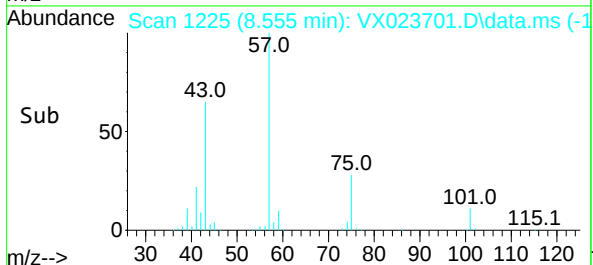
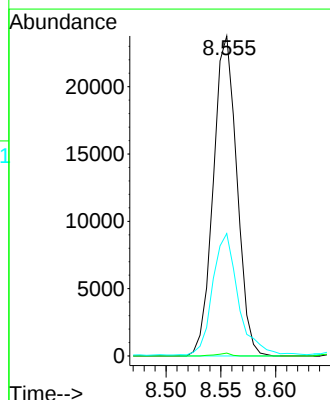
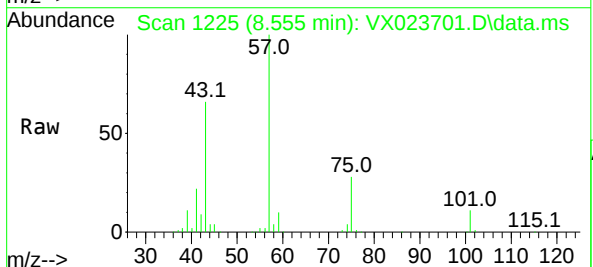
Instrument :
MSVOA_X
ClientSampled :

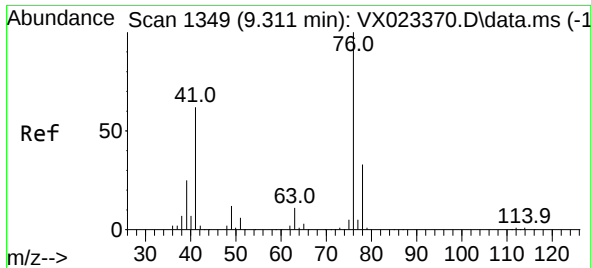
Tgt Ion: 75 Resp: 47
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.913 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 75 Resp: 35537
Ion Ratio Lower Upper
75 100
77 0.9 25.7 38.5#
39 37.9 35.1 52.7

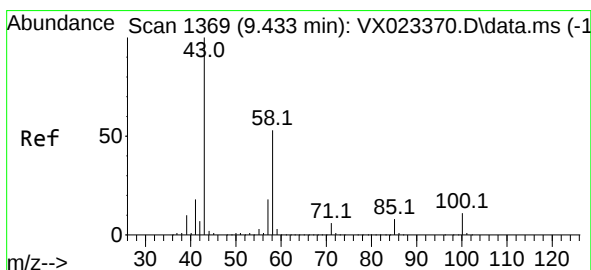
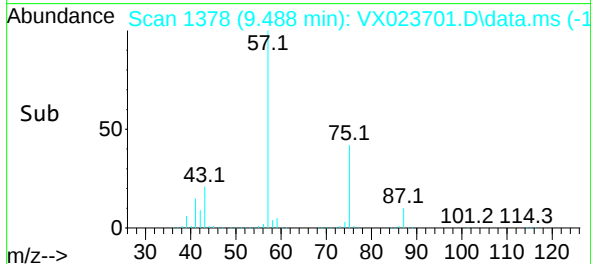
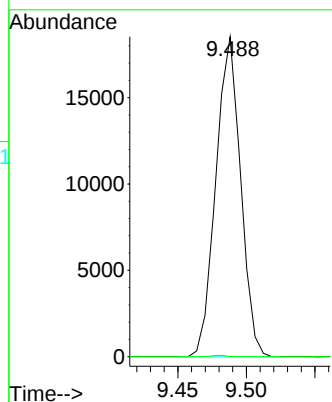
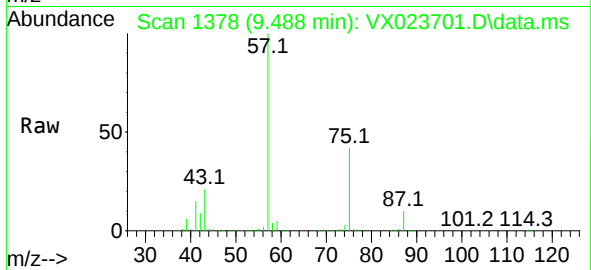




#57
1,3-Dichloropropane
Concen: 7.978 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

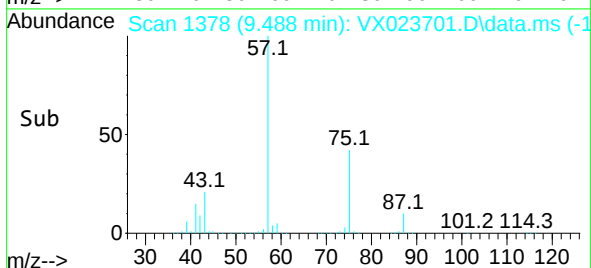
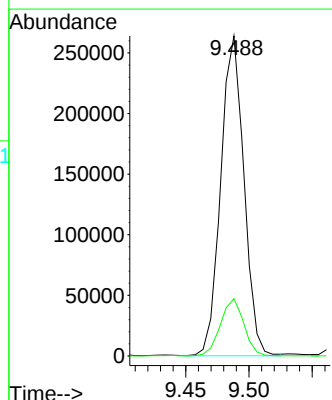
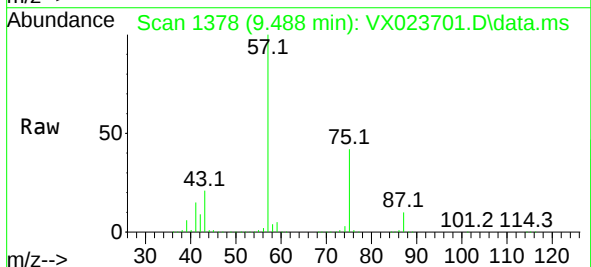
Instrument :
MSVOA_X
ClientSampled :

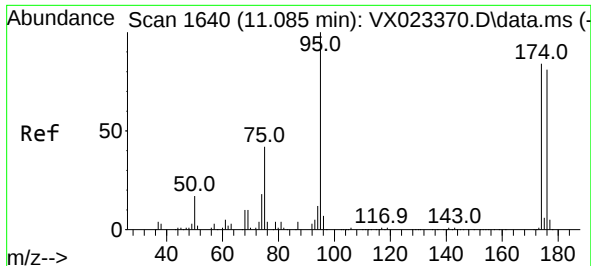
Tgt Ion: 76 Resp: 23217
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#



#59
2-Hexanone
Concen: 160.540 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 43 Resp: 335442
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#

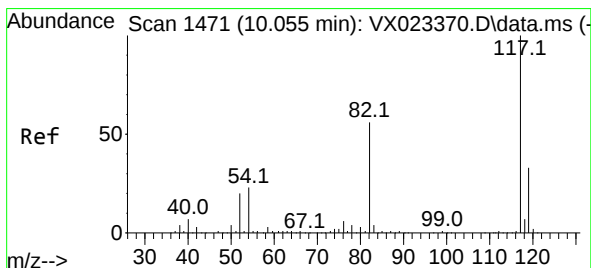
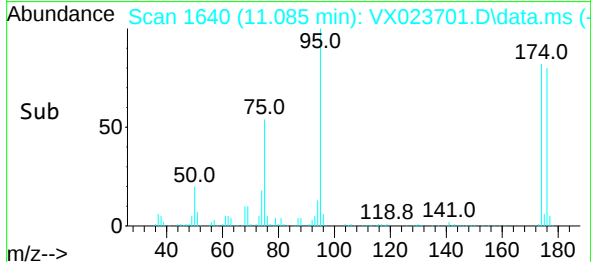
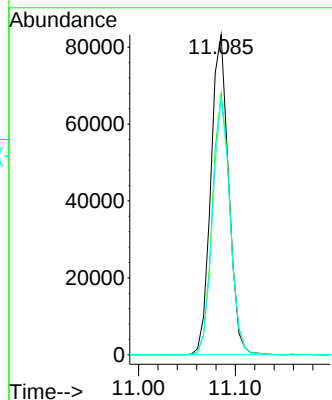
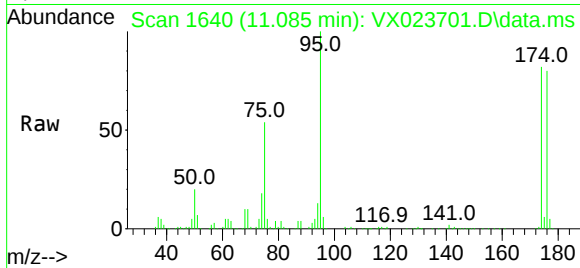




#62
4-Bromofluorobenzene
Concen: 53.269 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

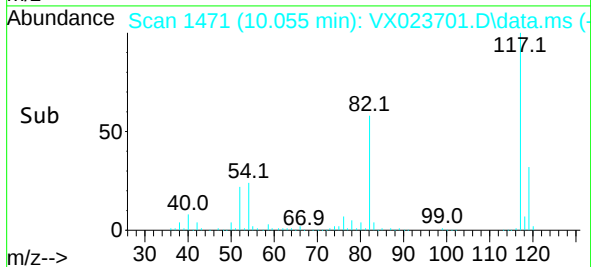
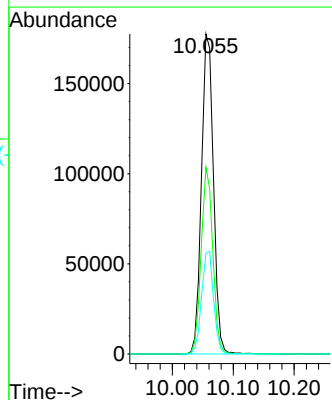
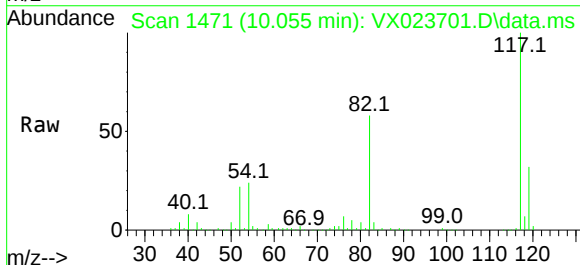
Instrument :
MSVOA_X
ClientSampleId :

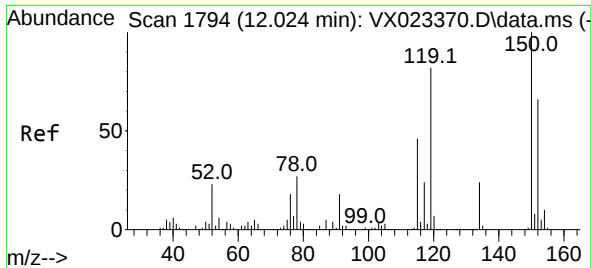
Tgt Ion: 95 Resp: 105911
Ion Ratio Lower Upper
95 100
174 81.6 0.0 154.6
176 78.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 117 Resp: 242486
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 31.6 26.6 39.8

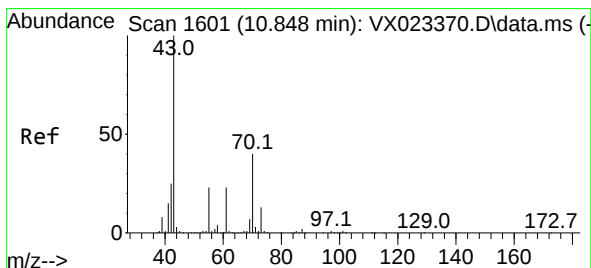
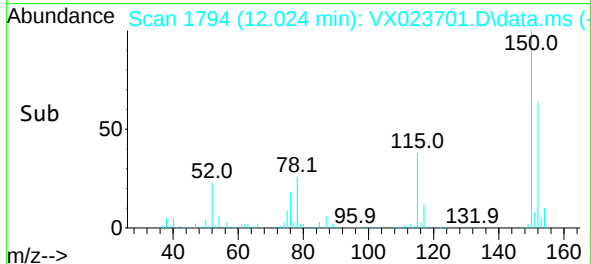
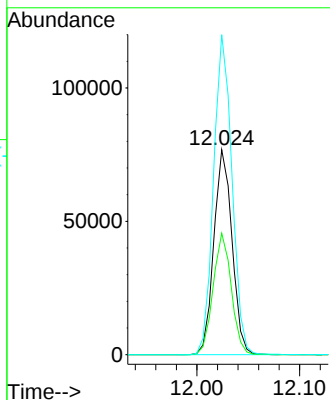
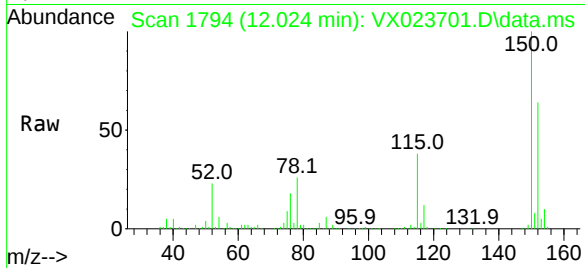




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

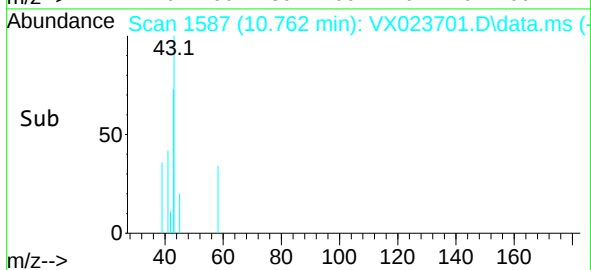
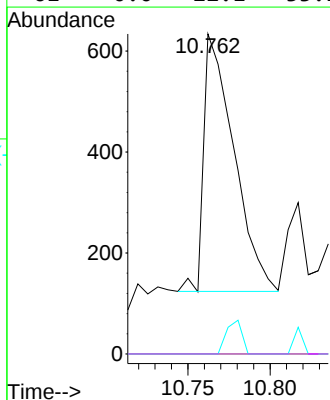
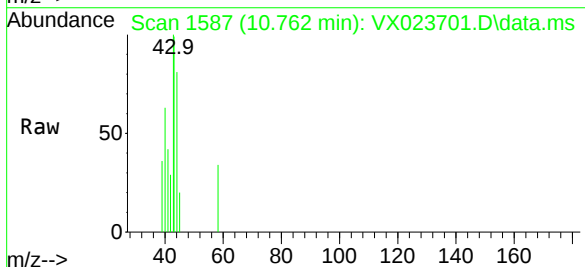
Instrument :
MSVOA_X
ClientSampled :

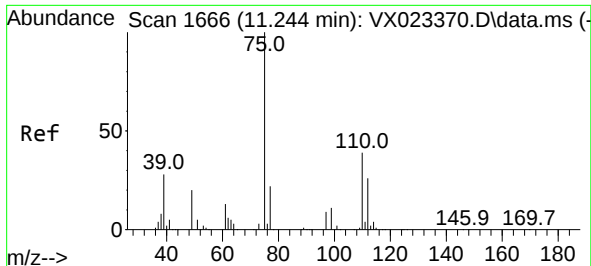
Tgt Ion:152 Resp: 94279
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 157.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.200 ug/l
RT: 10.762 min Scan# 1587
Delta R.T. -0.086 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 6.8 21.5 32.3#
61 0.0 22.1 33.1#

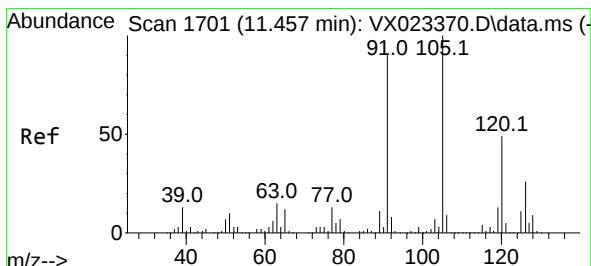
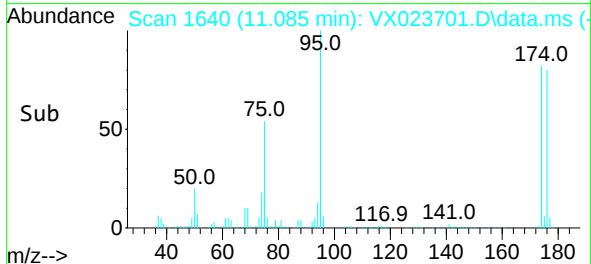
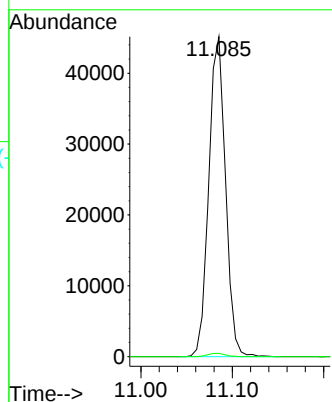
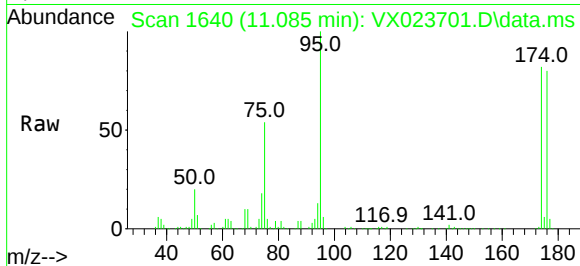




#76
1,2,3-Trichloropropane
Concen: 27.585 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

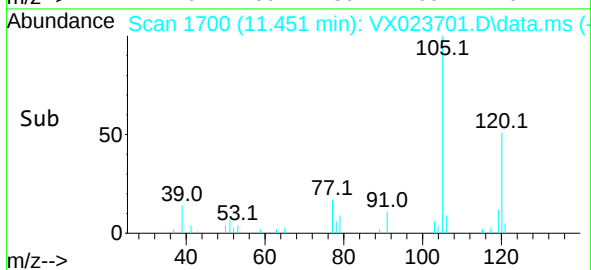
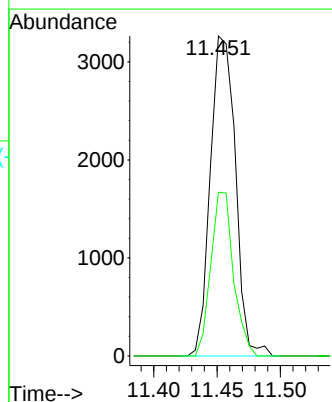
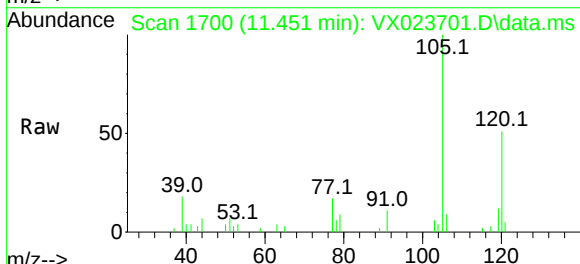
Instrument :
MSVOA_X
ClientSampled :

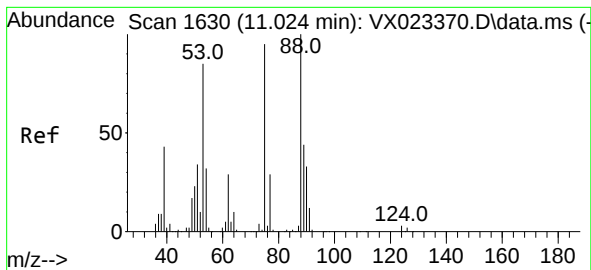
Tgt Ion: 75 Resp: 57230
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.777 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023701.D
Acq: 13 Aug 2021 19:22

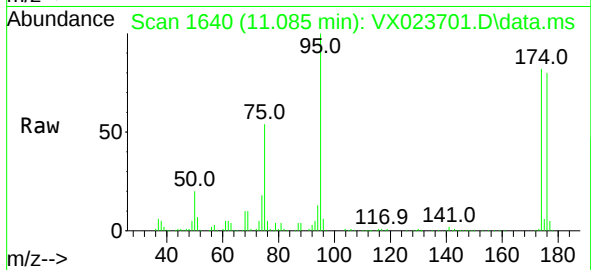
Tgt Ion: 105 Resp: 4500
Ion Ratio Lower Upper
105 100
120 46.1 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.173 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023701.D
 Acq: 13 Aug 2021 19:22

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#

