

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031121\
 Data File : VX021158.D
 Acq On : 11 Mar 2021 16:03
 Operator : JC/MD
 Sample : M1603-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 12 02:21:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.635	168	217124	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	386341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	392009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	190211	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	137943	47.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.06%		
35) Dibromofluoromethane	5.464	113	113371	48.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.60%		
50) Toluene-d8	8.694	98	490220	53.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.12%		
62) 4-Bromofluorobenzene	11.118	95	196204	57.98	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.96%		
Target Compounds						Qvalue
5) Bromomethane	1.634	94	176	Below Cal	#	6
11) Tert butyl alcohol	2.993	59	5833	8.93	ug/l #	77
13) Acrolein	2.246	56	169	0.42	ug/l #	28
16) Acetone	2.417	43	107690	89.11	ug/l	97
18) Methyl Acetate	2.752	43	629	0.22	ug/l	100
20) Methylene Chloride	2.840	84	10613	3.66	ug/l	95
23) Vinyl Acetate	3.917	43	3068	0.45	ug/l #	68
25) 2-Butanone	4.634	43	12254	6.68	ug/l	100
29) Tetrahydrofuran	5.111	42	932	0.79	ug/l #	65
31) Cyclohexane	5.629	56	4082	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	15897	4.33	ug/l #	49
37) Ethyl Acetate	4.634	43	12254	3.51	ug/l #	64
38) Carbon Tetrachloride	5.635	117	19926	5.60	ug/l #	17
48) Methyl methacrylate	7.647	41	6031	2.02	ug/l #	18
51) 4-Methyl-2-Pentanone	8.617	43	5999	1.73	ug/l	100
59) 2-Hexanone	9.470	43	1735	0.67	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	93736	22.91	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	93736	50.72	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.794	105	2567	0.20	ug/l #	56

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

Quant Time: Mar 12 02:21:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

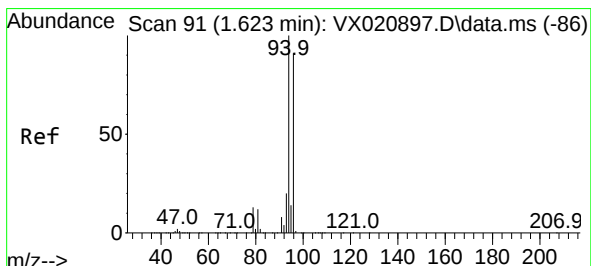
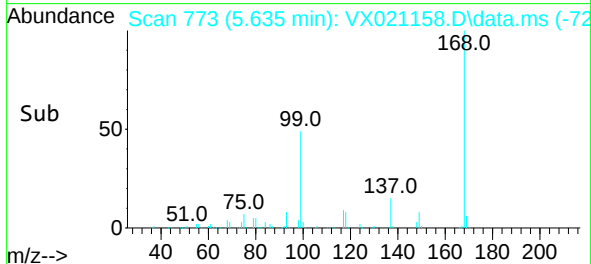
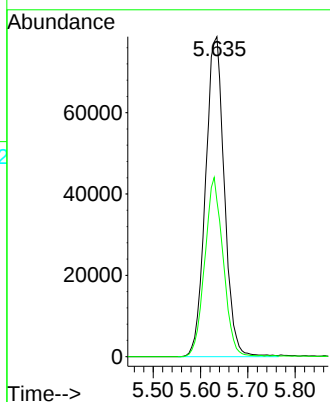
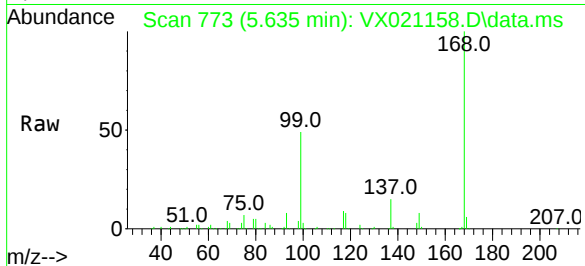




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

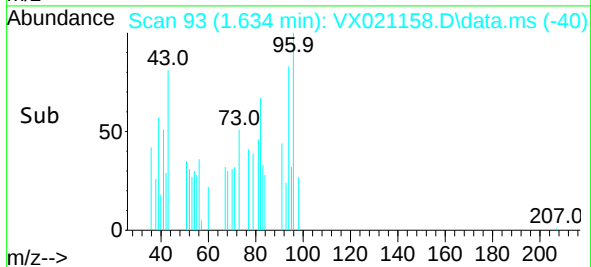
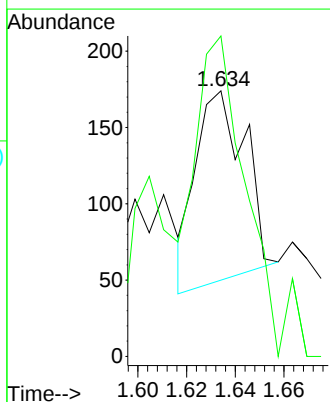
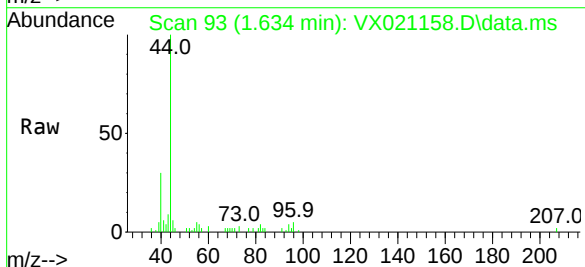
Instrument :
MSVOA_X
ClientSampled :

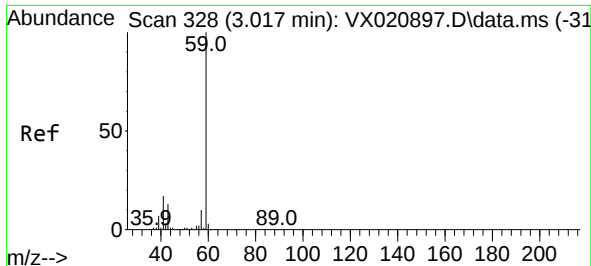
Tgt Ion:168 Resp: 217124
Ion Ratio Lower Upper
168 100
99 48.7 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 187.5 76.4 114.6#

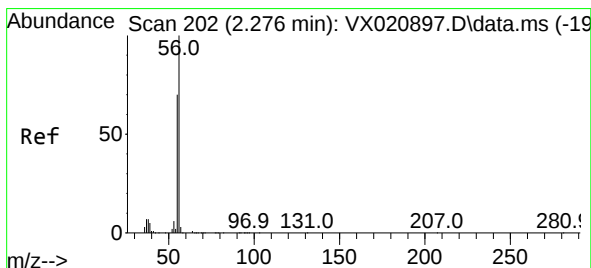
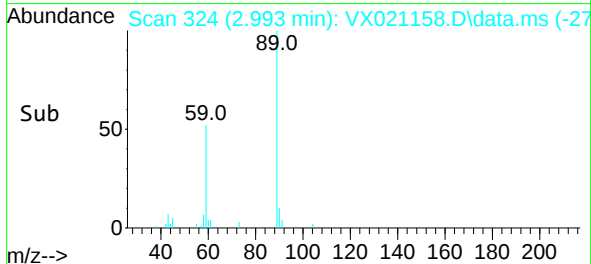
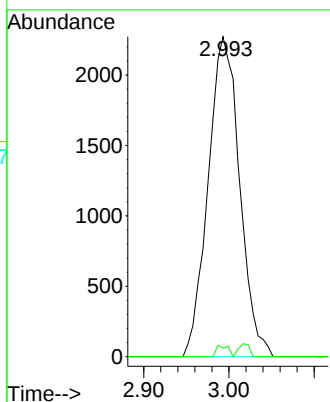
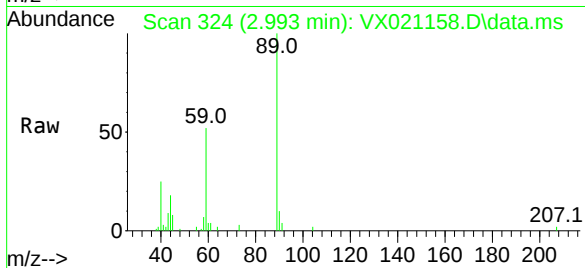




#11
Tert butyl alcohol
Concen: 8.93 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

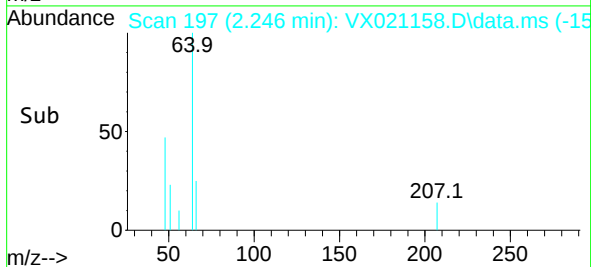
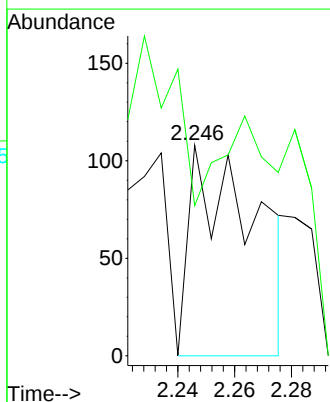
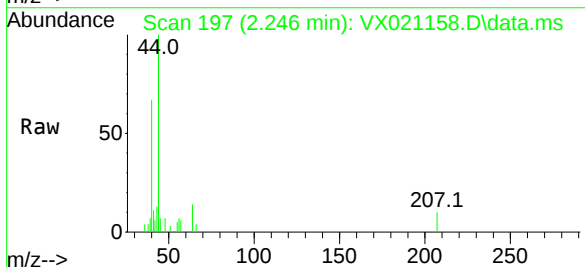
Instrument :
MSVOA_X
ClientSampled :

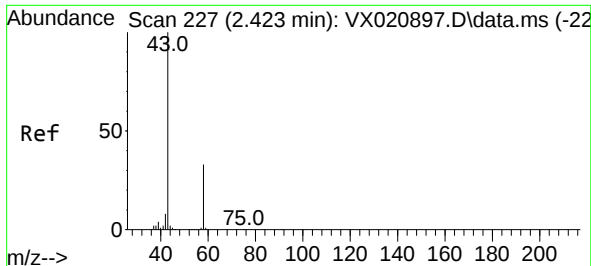
Tgt Ion: 59 Resp: 5833
Ion Ratio Lower Upper
59 100
57 1.3 7.8 11.8#



#13
Acrolein
Concen: 0.42 ug/l
RT: 2.246 min Scan# 197
Delta R.T. -0.030 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 130.2 56.4 84.6#

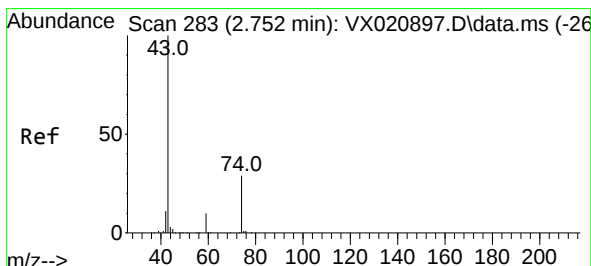
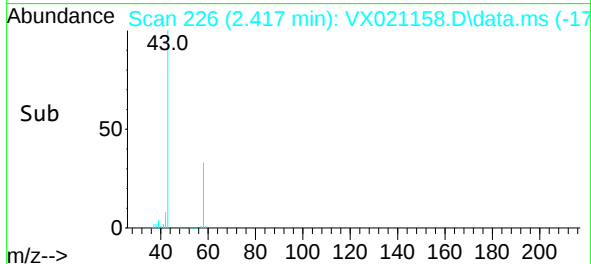
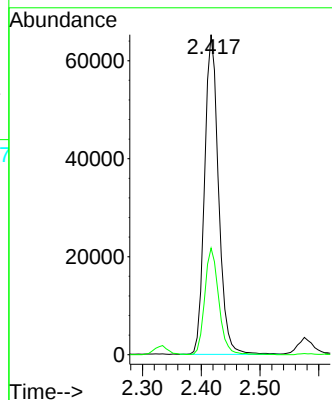
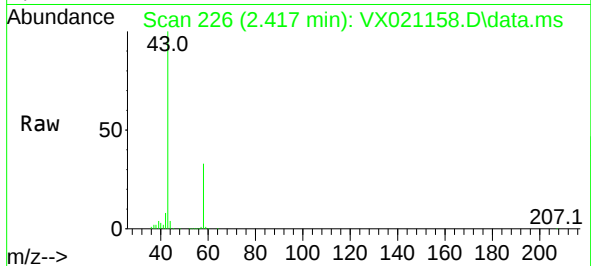




#16
Acetone
Concen: 89.11 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

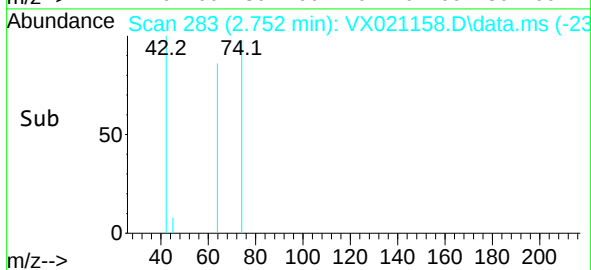
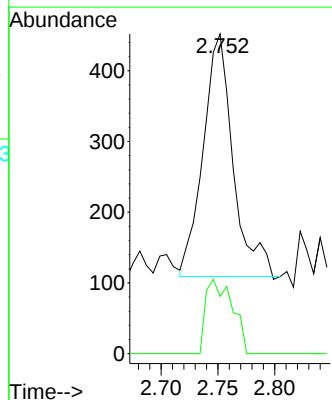
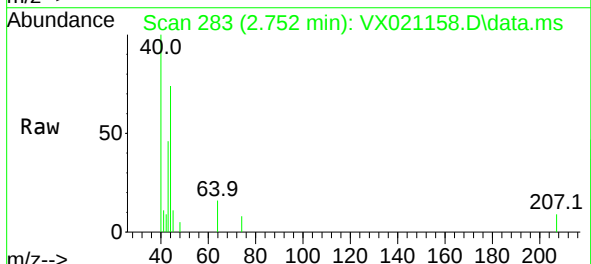
Instrument :
MSVOA_X
ClientSampleId :

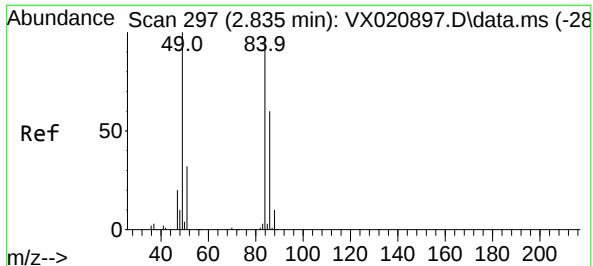
Tgt Ion: 43 Resp: 107690
Ion Ratio Lower Upper
43 100
58 33.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

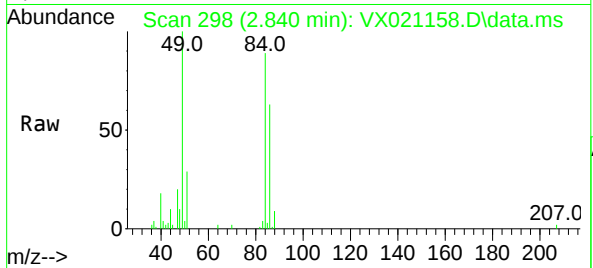
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
74 27.2 21.9 32.9



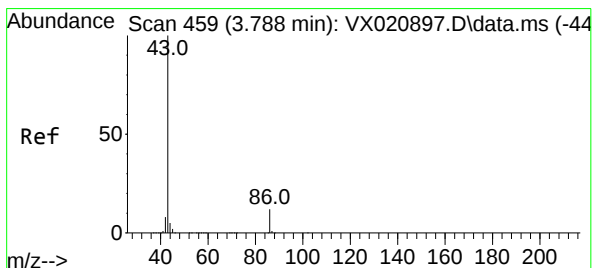
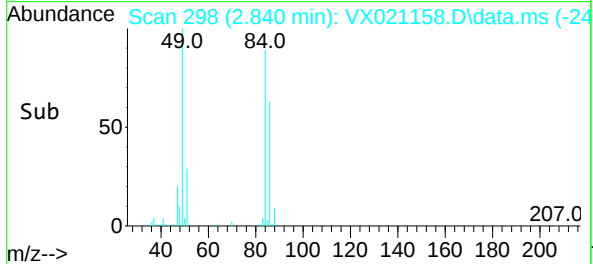
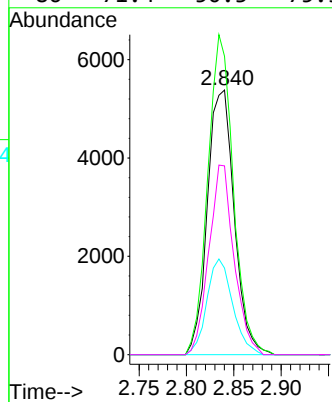


#20
Methylene Chloride
Concen: 3.66 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Instrument :
MSVOA_X
ClientSampled :

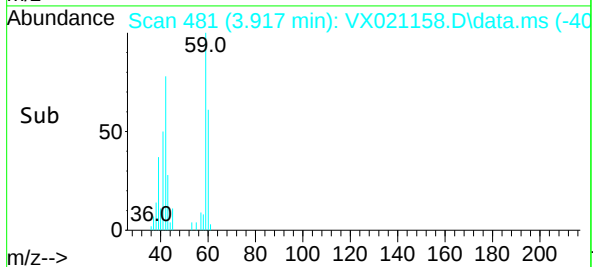
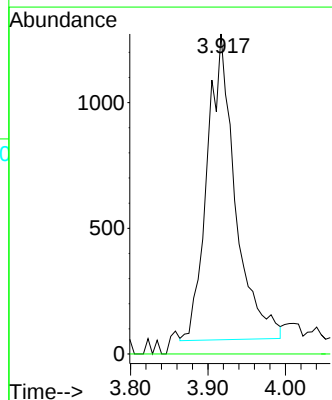
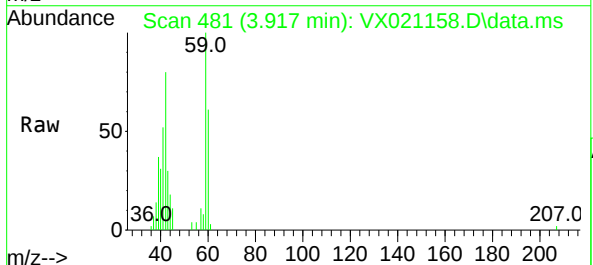


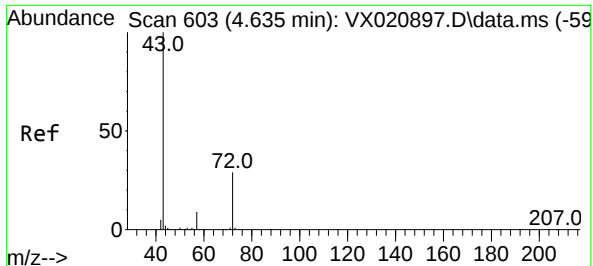
Tgt Ion: 84 Resp: 10613
Ion Ratio Lower Upper
84 100
49 112.7 88.6 132.8
51 32.7 27.0 40.6
86 71.4 50.3 75.5



#23
Vinyl Acetate
Concen: 0.45 ug/l
RT: 3.917 min Scan# 481
Delta R.T. 0.129 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
86 0.0 9.9 14.9#

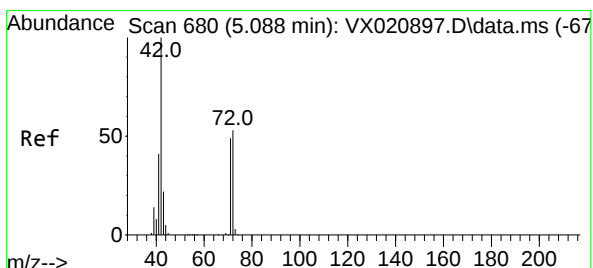
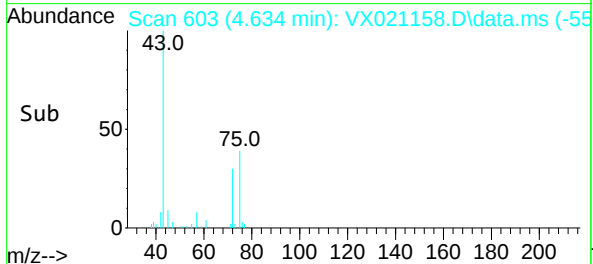
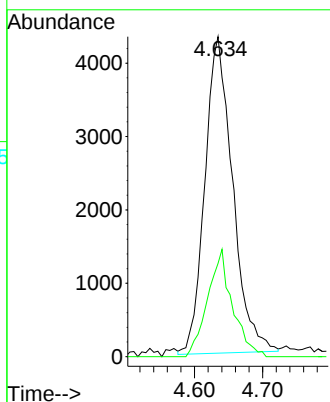
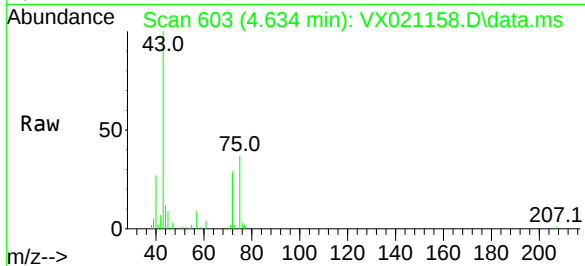




#25
2-Butanone
Concen: 6.68 ug/l
RT: 4.634 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

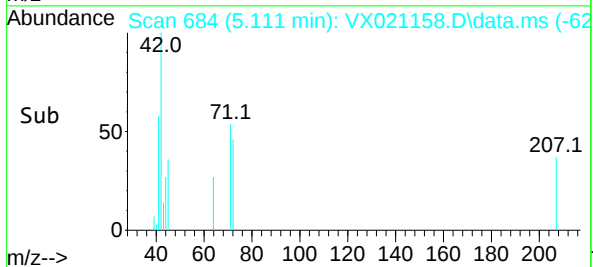
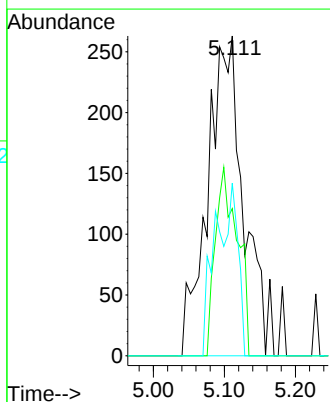
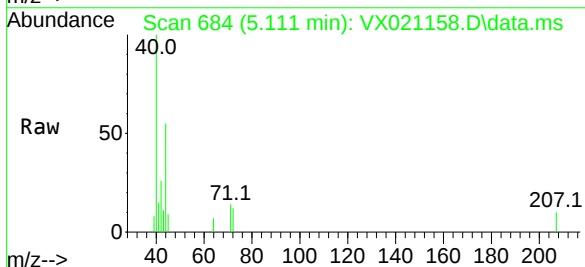
Instrument :
MSVOA_X
ClientSampled :

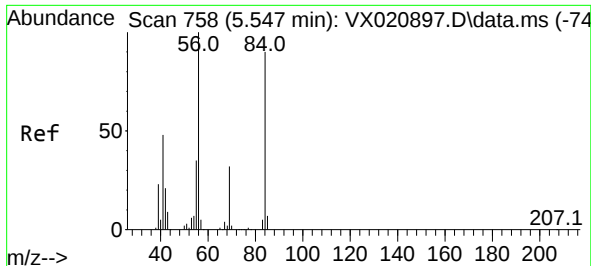
Tgt Ion: 43 Resp: 12254
Ion Ratio Lower Upper
43 100
72 29.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.79 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.023 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

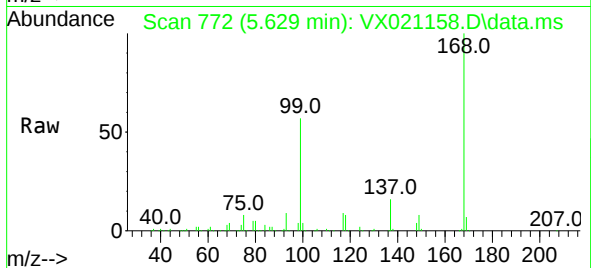
Tgt Ion: 42 Resp: 932
Ion Ratio Lower Upper
42 100
72 36.2 41.7 62.5#
71 15.9 38.4 57.6#



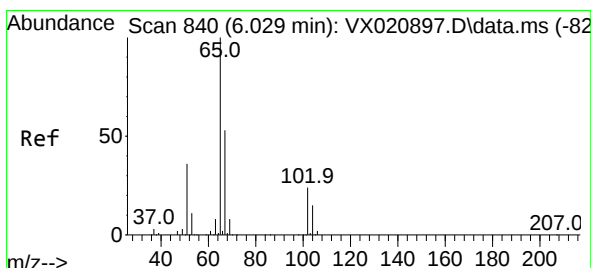
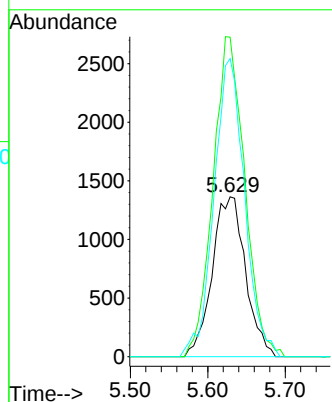
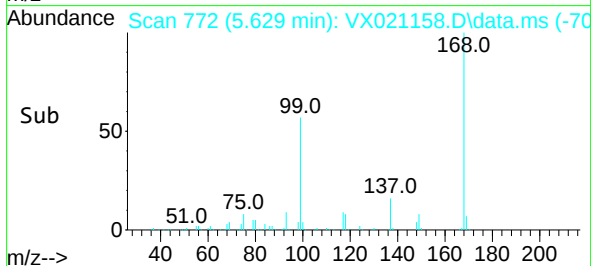


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

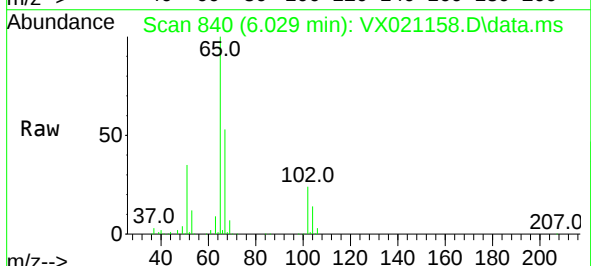
Instrument :
MSVOA_X
ClientSampled :



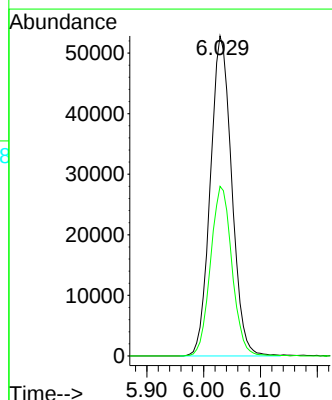
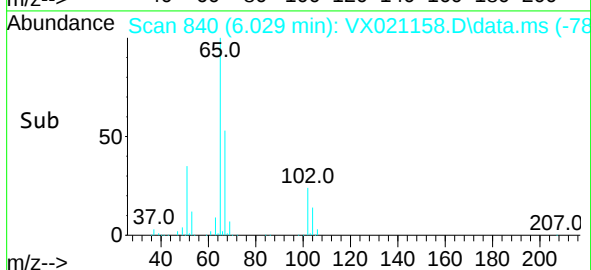
Tgt Ion: 56 Resp: 4082
Ion Ratio Lower Upper
56 100
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84 186.4 71.4 107.0#

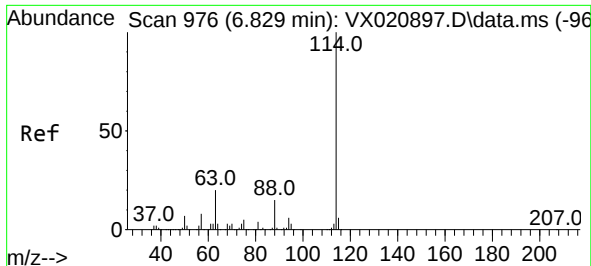


#33
1,2-Dichloroethane-d4
Concen: 47.03 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03



Tgt Ion: 65 Resp: 137943
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4

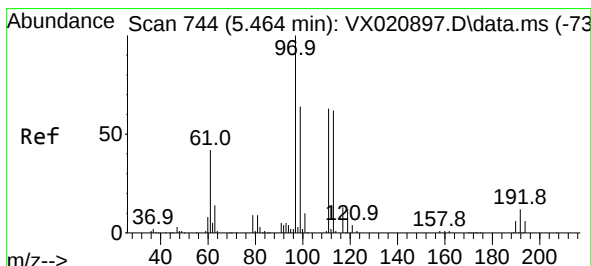
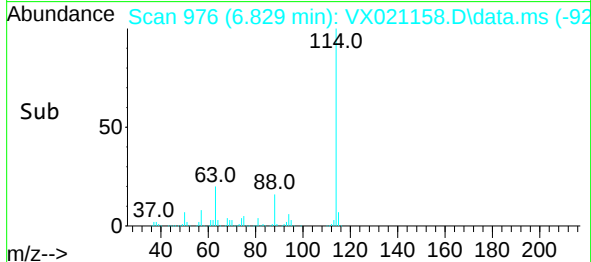
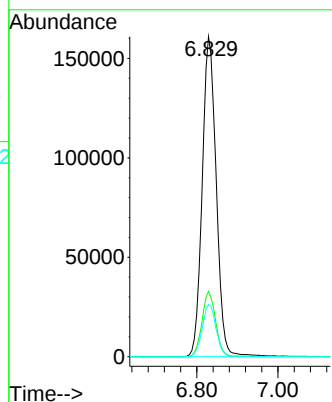
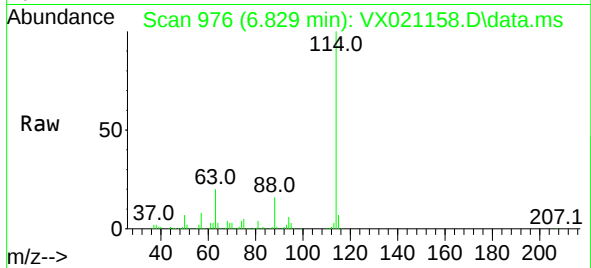




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

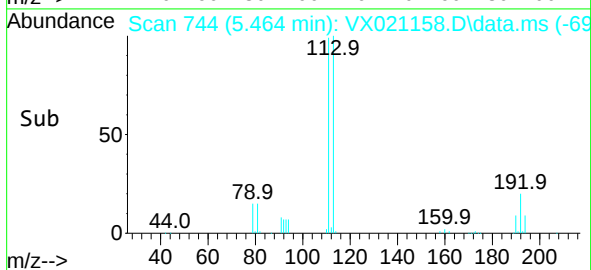
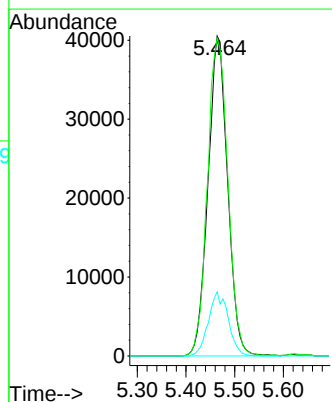
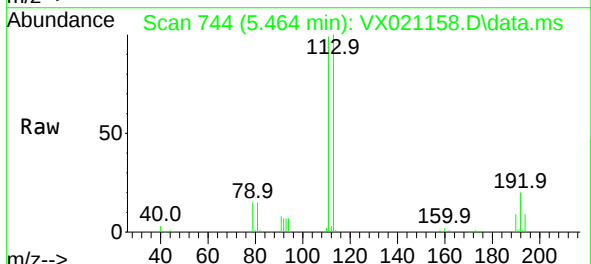
Instrument :
MSVOA_X
ClientSampled :

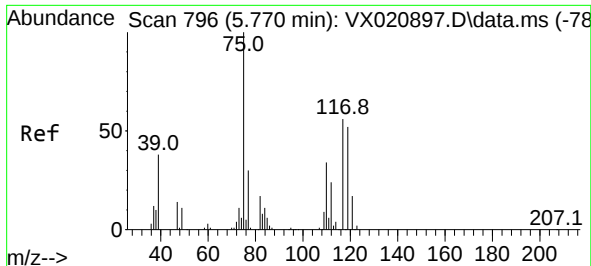
Tgt Ion:114 Resp: 386341
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.30 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

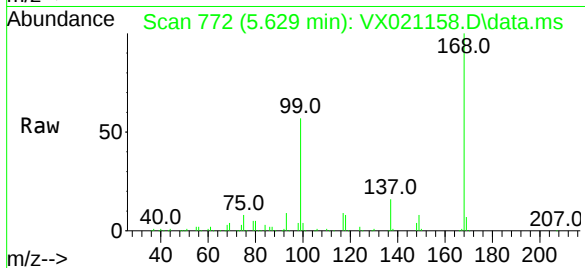
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Ion Ratio Lower Upper
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111 103.5 81.9 122.9
192 20.2 16.7 25.1



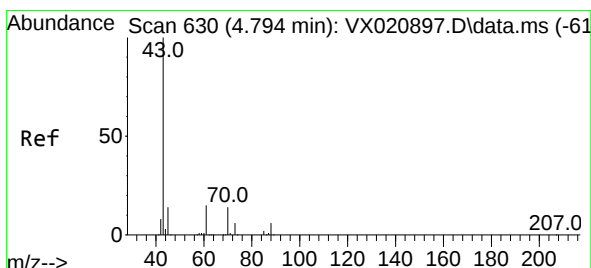
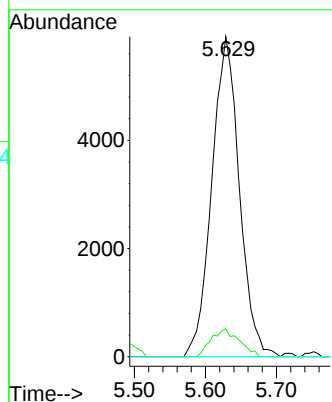
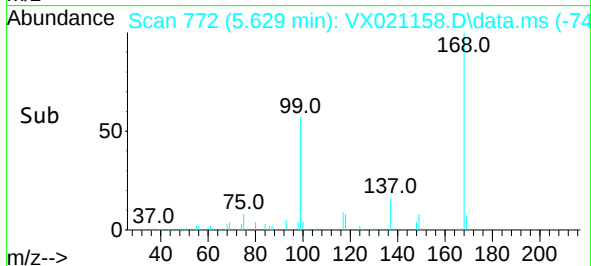


#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

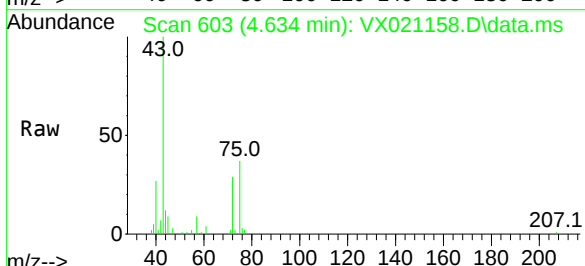
Instrument :
MSVOA_X
ClientSampled :



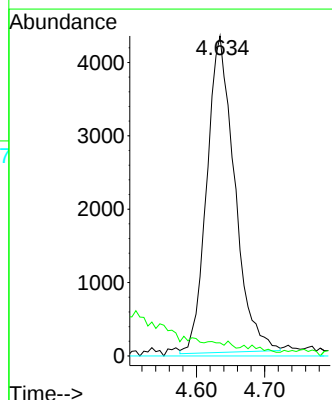
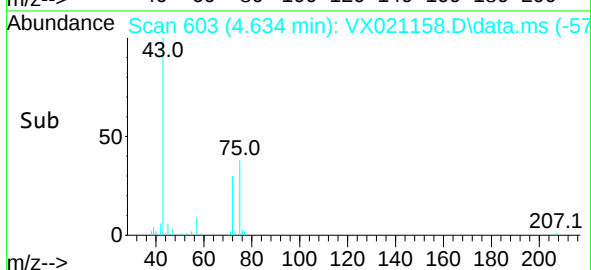
Tgt Ion: 75 Resp: 15897
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#

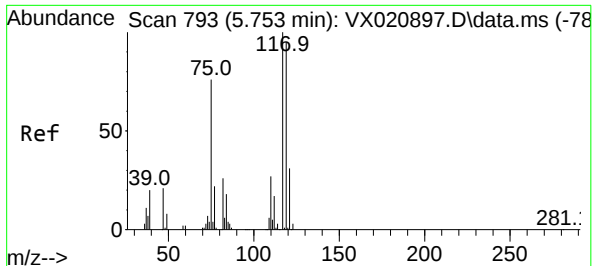


#37
Ethyl Acetate
Concen: 3.51 ug/l
RT: 4.634 min Scan# 603
Delta R.T. -0.159 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03



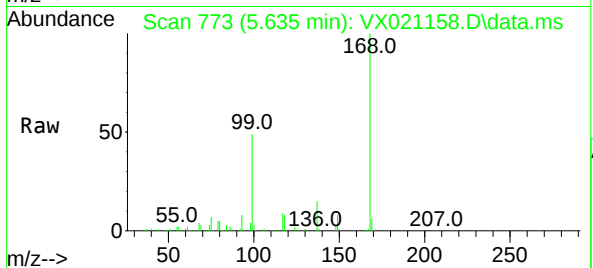
Tgt Ion: 43 Resp: 12254
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



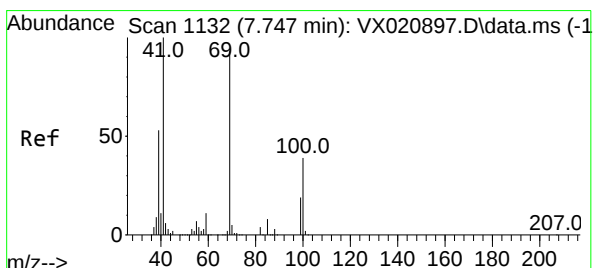
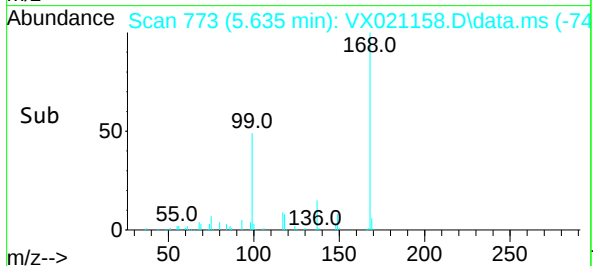
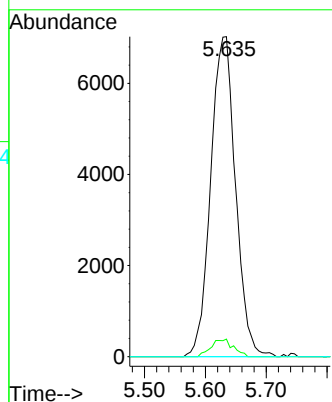


#38
Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.118 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Instrument :
MSVOA_X
ClientSampleId :

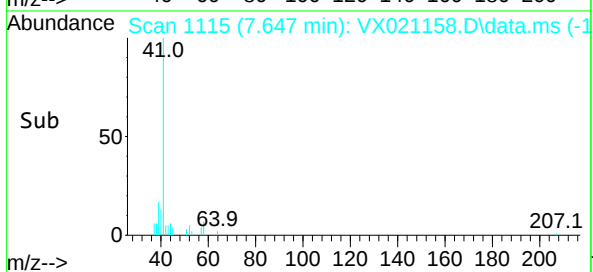
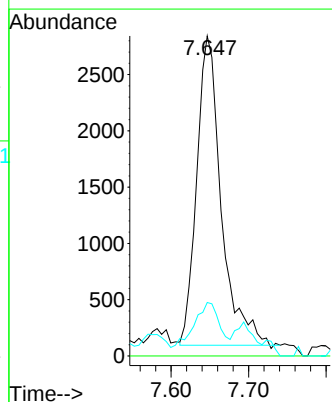
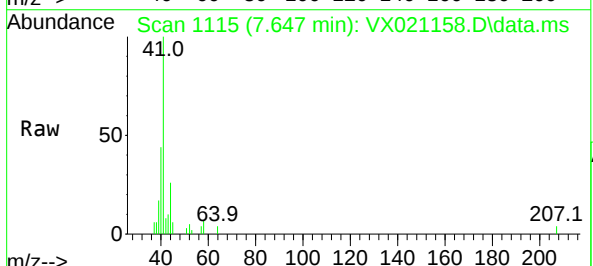


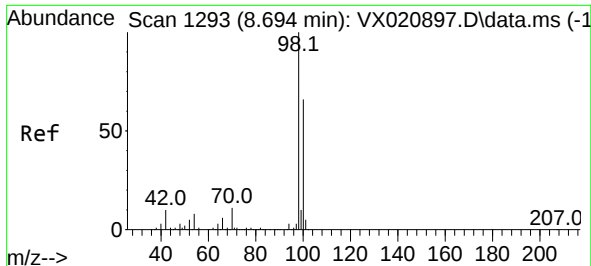
Tgt Ion:117 Resp: 19926
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 2.02 ug/l
RT: 7.647 min Scan# 1115
Delta R.T. -0.100 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

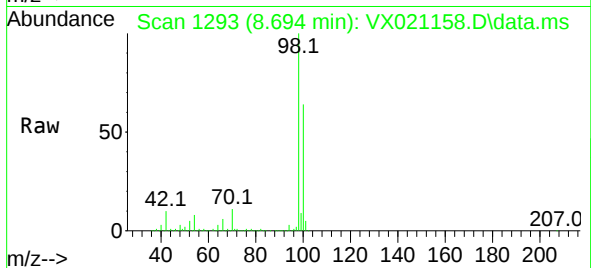
Tgt Ion: 41 Resp: 6031
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 15.4 44.6 67.0#



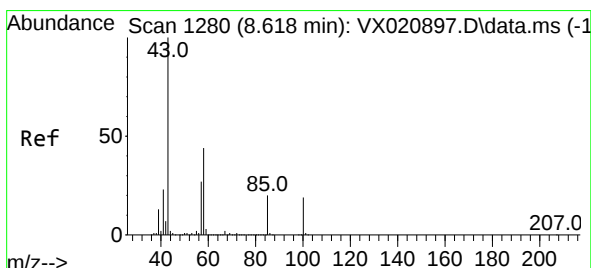
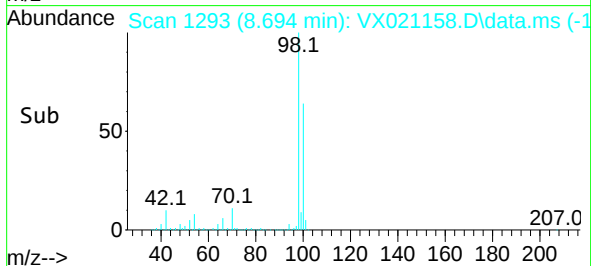
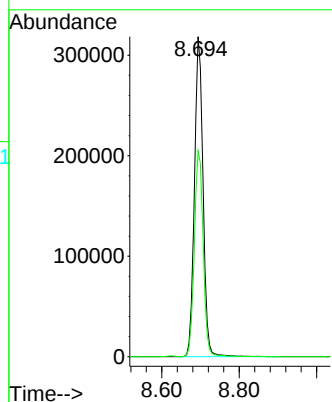


#50
Toluene-d8
Concen: 53.56 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Instrument :
MSVOA_X
ClientSampled :

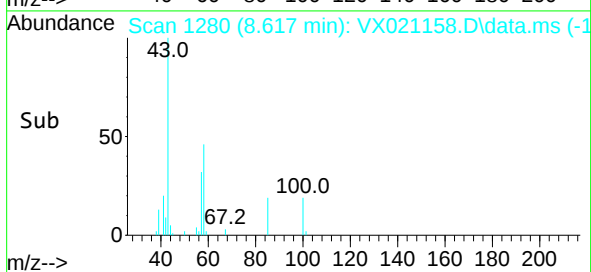
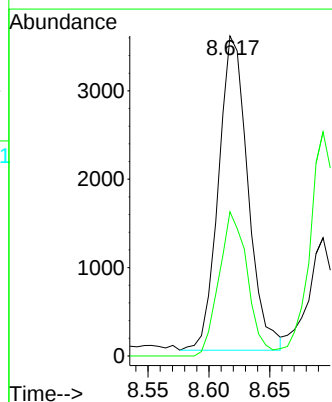
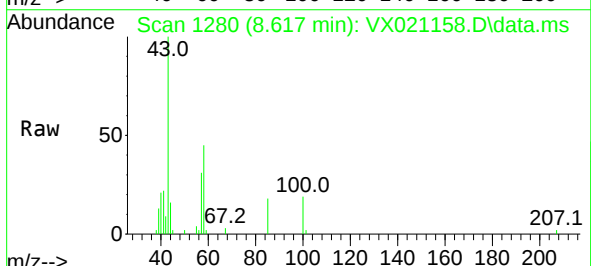


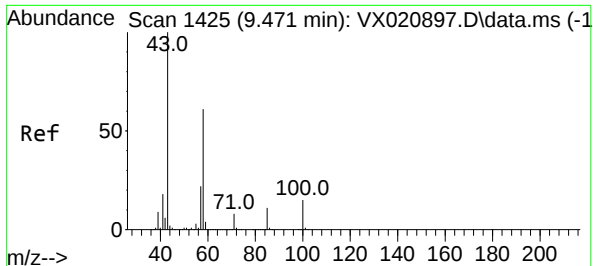
Tgt Ion: 98 Resp: 490220
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.73 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Tgt Ion: 43 Resp: 5999
Ion Ratio Lower Upper
43 100
58 44.0 35.4 53.0

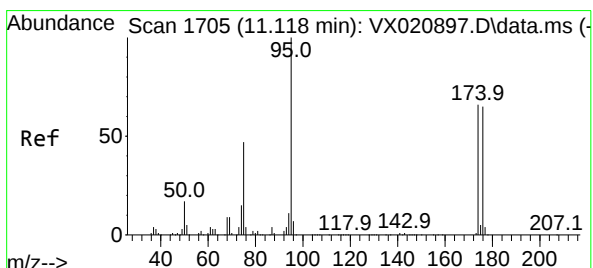
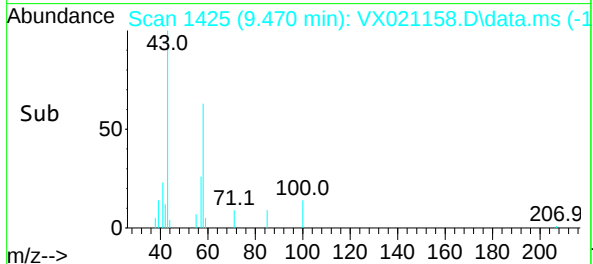
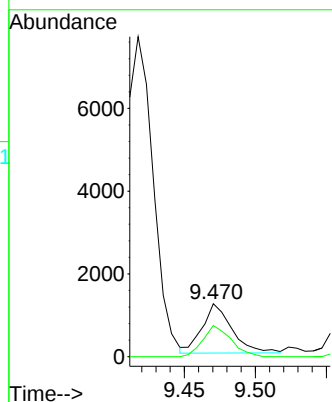
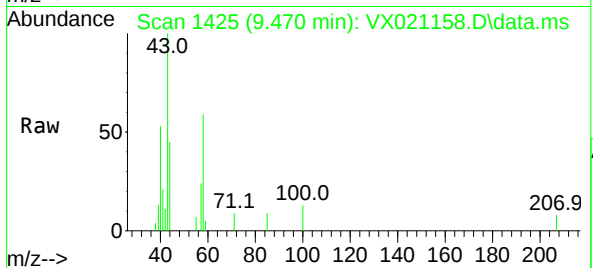




#59
2-Hexanone
Concen: 0.67 ug/l
RT: 9.470 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

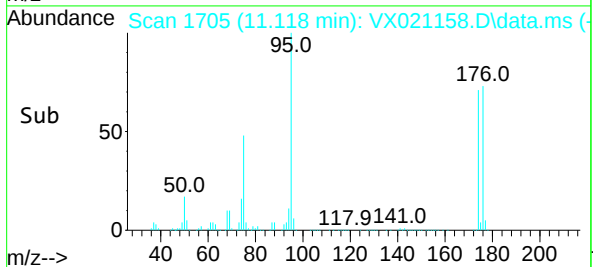
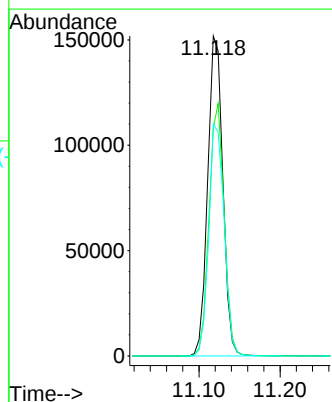
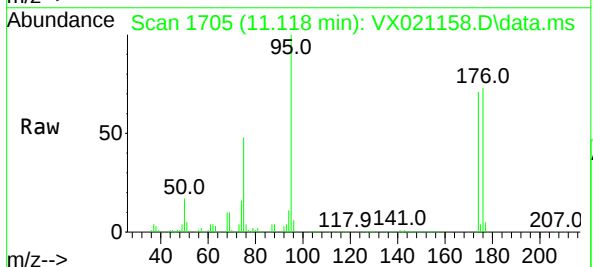
Instrument :
MSVOA_X
ClientSampled :

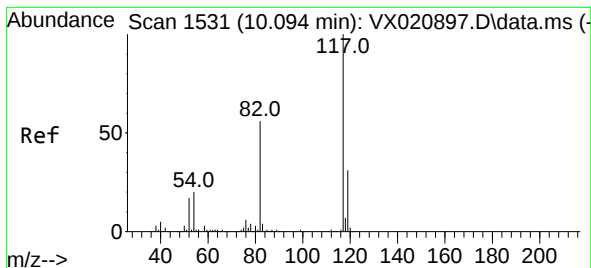
Tgt Ion: 43 Resp: 1735
Ion Ratio Lower Upper
43 100
58 59.7 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 57.98 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Tgt Ion: 95 Resp: 196204
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.6
176 73.6 0.0 155.8

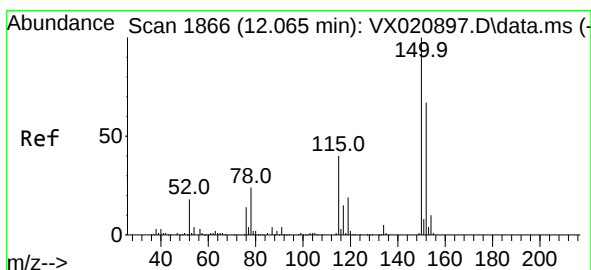
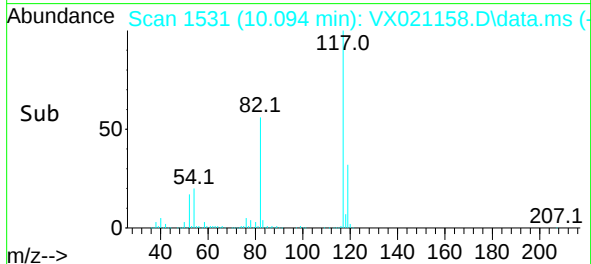
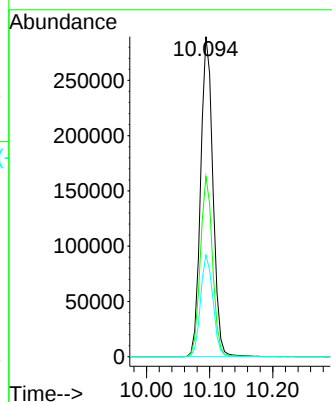
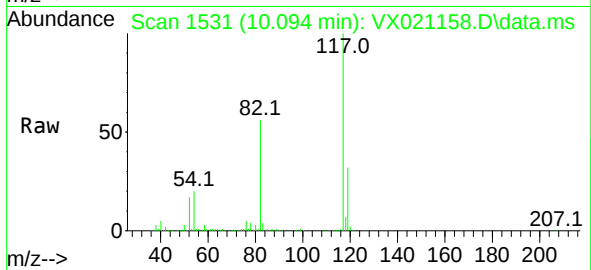




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

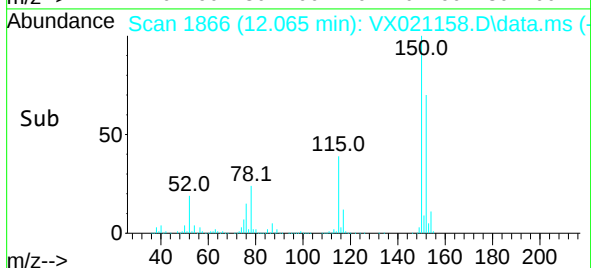
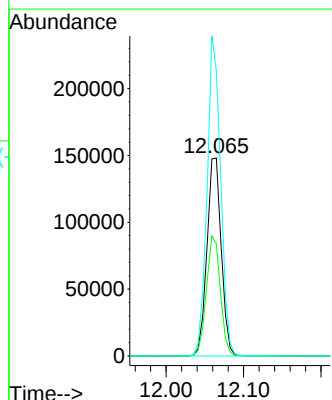
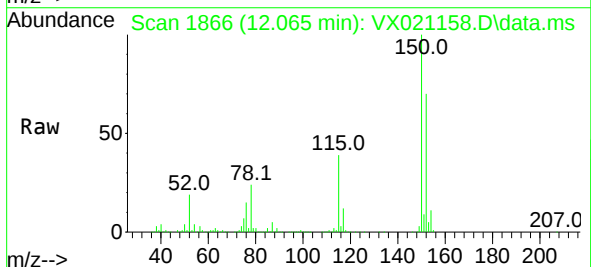
Instrument :
MSVOA_X
ClientSampled :

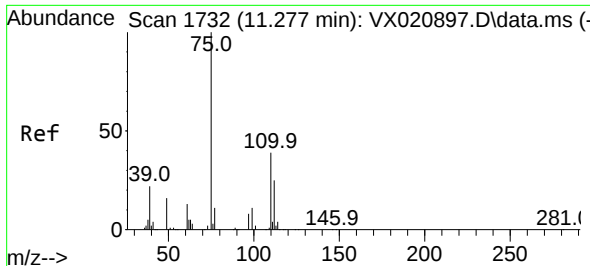
Tgt Ion:117 Resp: 392009
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

Tgt Ion:152 Resp: 190211
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 153.1 0.0 349.0

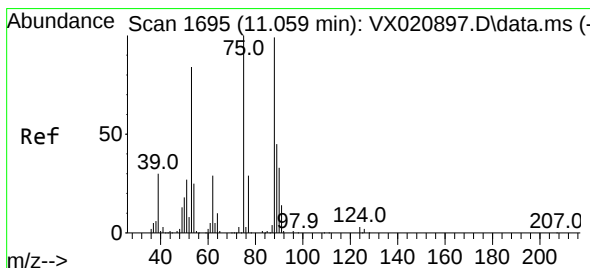
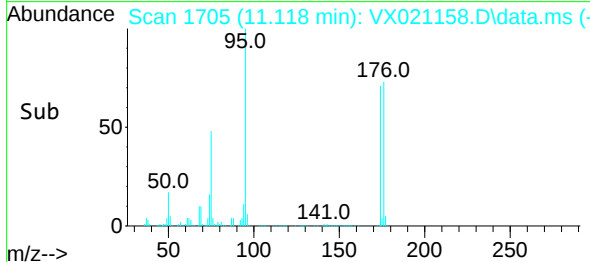
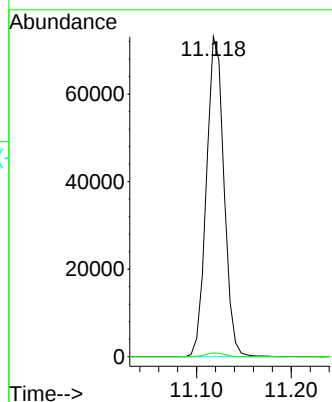
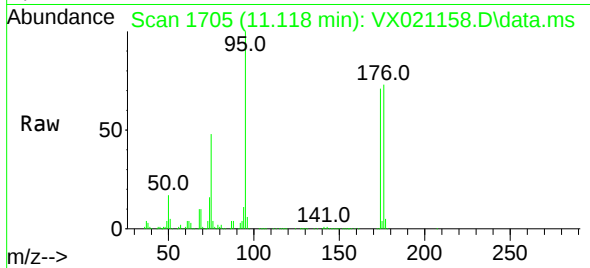




#76
1,2,3-Trichloropropane
Concen: 22.91 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

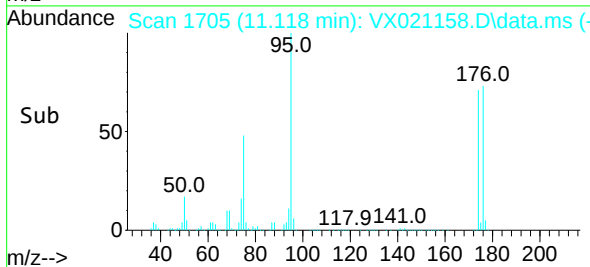
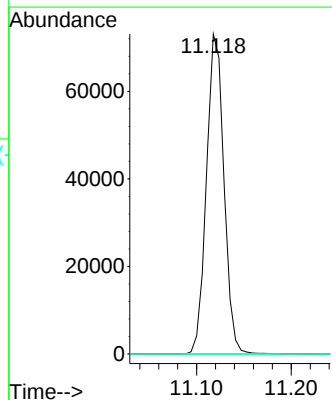
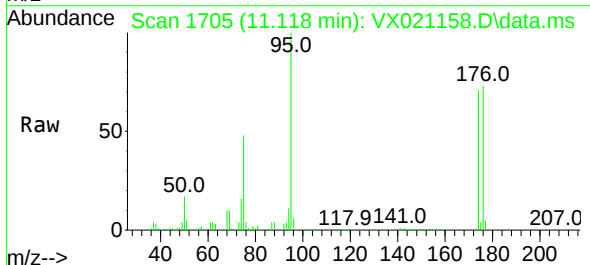
Instrument :
MSVOA_X
ClientSampled :

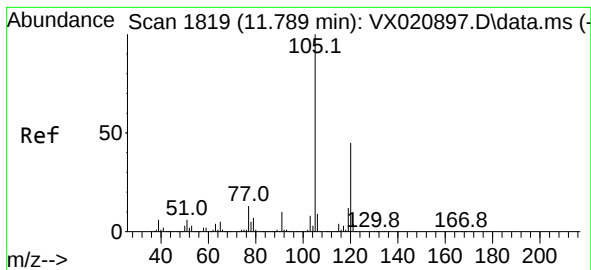
Tgt Ion: 75 Resp: 93736
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.72 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021158.D
Acq: 11 Mar 2021 16:03

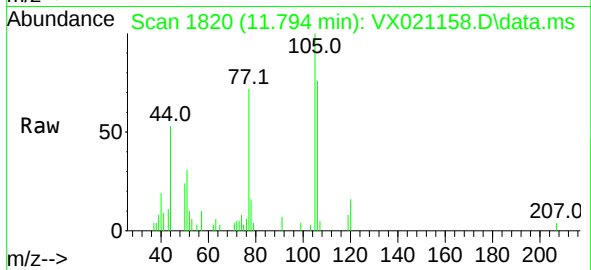
Tgt Ion: 75 Resp: 93736
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.20 ug/l
 RT: 11.794 min Scan# 1820
 Delta R.T. 0.006 min
 Lab File: VX021158.D
 Acq: 11 Mar 2021 16:03

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 2567
 Ion Ratio Lower Upper
 105 100
 120 15.9 22.4 67.3#

