

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012721\
 Data File : VX020780.D
 Acq On : 27 Jan 2021 19:11
 Operator : JC/SP
 Sample : M1216-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

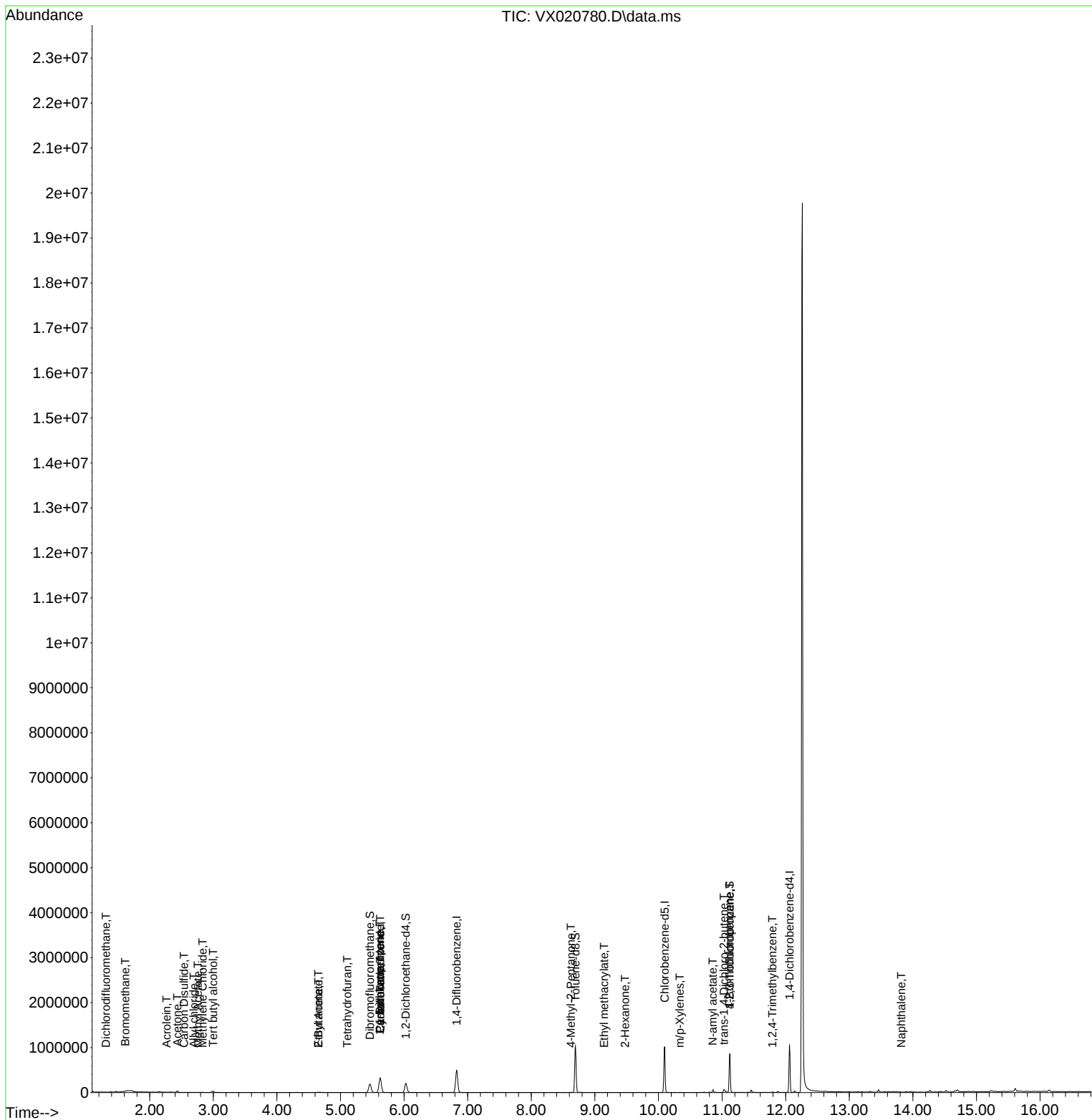
Instrument :
 MSVOA_X
 ClientSampleId :

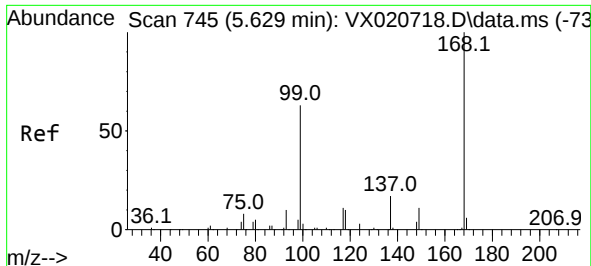
Quant Time: Jan 28 00:47:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.623	168	299918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	508067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	485030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	216040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	198284	48.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.94%
35) Dibromofluoromethane	5.464	113	164412	47.24	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.48%
50) Toluene-d8	8.696	98	627611	49.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.38%
62) 4-Bromofluorobenzene	11.122	95	235286	47.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.98%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.313	85	20	1.20	ug/l #	1
5) Bromomethane	1.618	94	774	0.38	ug/l #	51
11) Tert butyl alcohol	2.995	59	16917	22.15	ug/l #	79
13) Acrolein	2.264	56	885	1.54	ug/l	84
14) Allyl chloride	2.691	41	1364	0.25	ug/l #	46
16) Acetone	2.434	43	34217	22.06	ug/l	95
17) Carbon Disulfide	2.538	76	843	0.99	ug/l	96
18) Methyl Acetate	2.758	43	1788	0.45	ug/l	98
20) Methylene Chloride	2.831	84	1706	0.44	ug/l #	89
25) 2-Butanone	4.654	43	11007	4.53	ug/l	99
29) Tetrahydrofuran	5.105	42	571	0.36	ug/l	93
31) Cyclohexane	5.623	56	5646	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.617	75	23152	4.54	ug/l #	50
37) Ethyl Acetate	4.654	43	11007	2.28	ug/l #	64
38) Carbon Tetrachloride	5.623	117	29889	5.57	ug/l #	17
51) 4-Methyl-2-Pentanone	8.622	43	4653	0.96	ug/l	97
56) Ethyl methacrylate	9.147	69	46	2.79	ug/l #	1
59) 2-Hexanone	9.476	43	2696	0.74	ug/l	81
68) m/p-Xylenes	10.335	106	1359	0.20	ug/l	92
74) N-amyl acetate	10.854	43	3036	2.46	ug/l #	31
76) 1,2,3-Trichloropropane	11.122	75	113167	22.59	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.030	75	4035	2.26	ug/l #	26
84) 1,2,4-Trimethylbenzene	11.793	105	4232	0.31	ug/l	88
95) Naphthalene	13.817	128	2651	3.02	ug/l #	92

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

Quant Time: Jan 28 00:47:10 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:38:15 2021
Response via : Initial Calibration

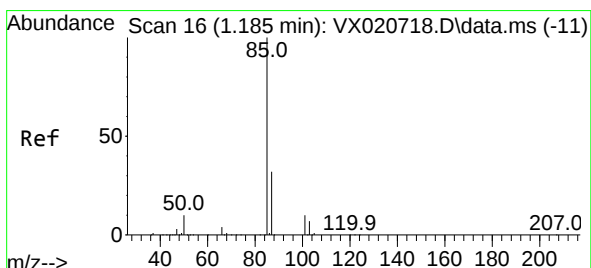
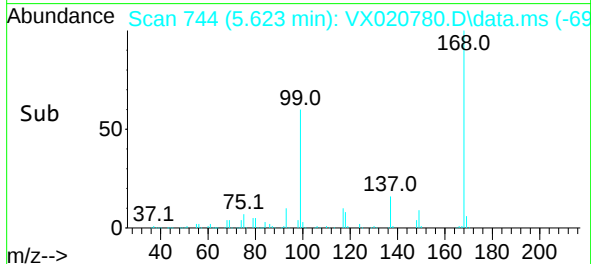
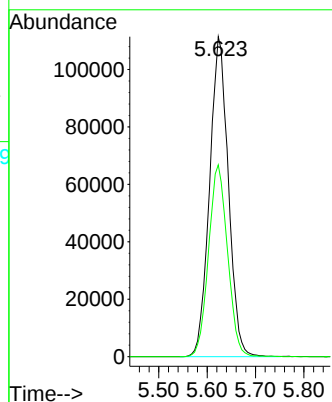
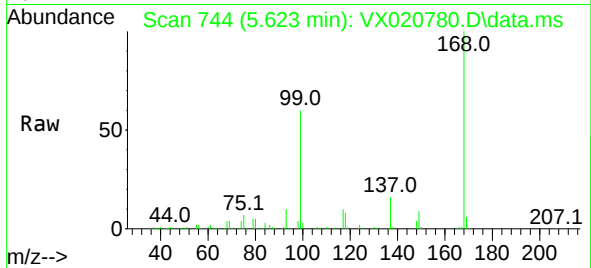




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

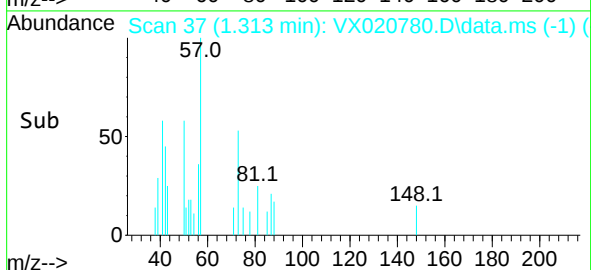
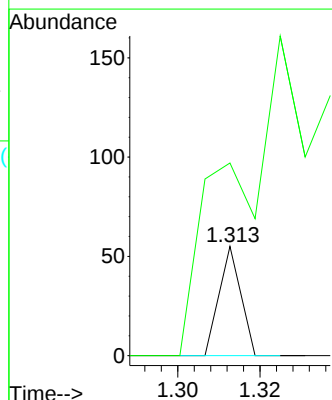
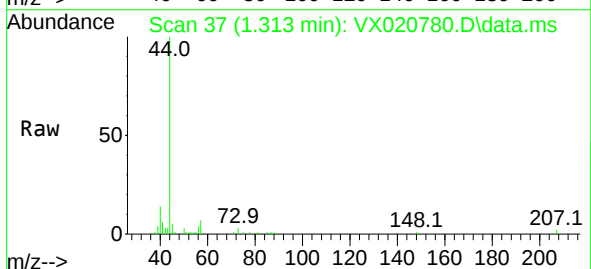
Instrument :
MSVOA_X
ClientSampleId :

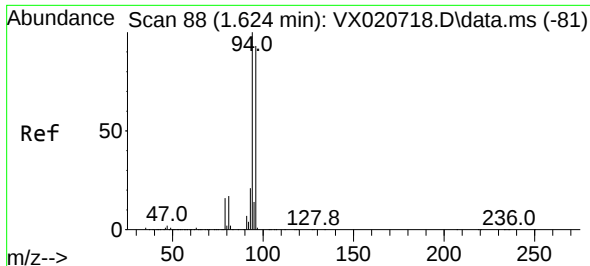
Tgt Ion:168 Resp: 299918
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.20 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.128 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 176.4 16.4 49.2#

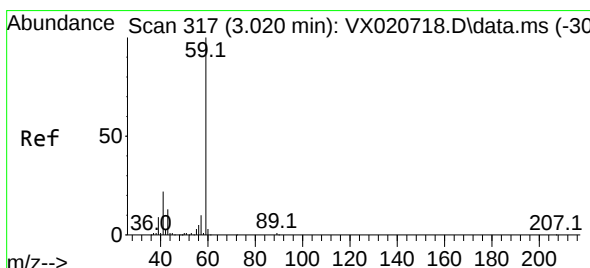
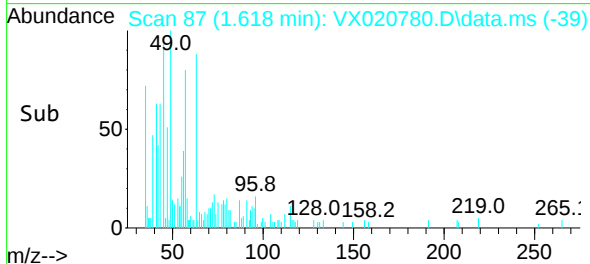
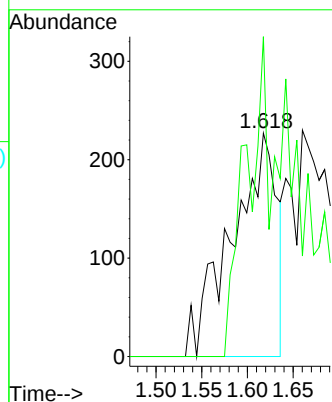
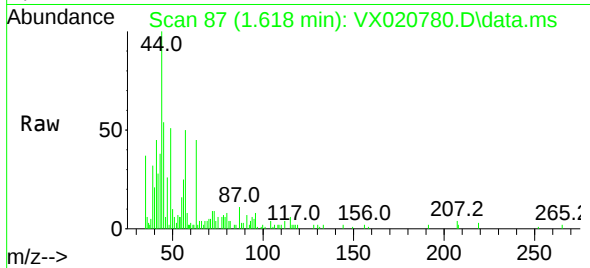




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

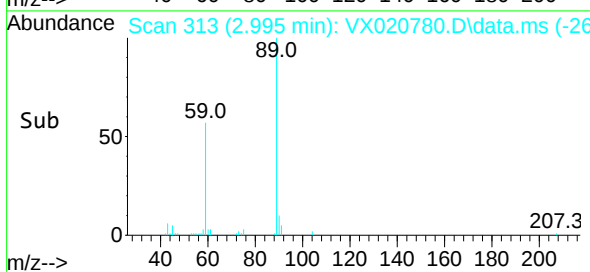
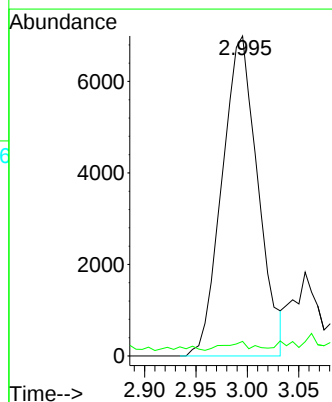
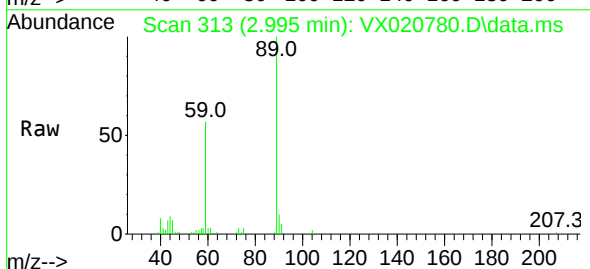
Instrument :
MSVOA_X
ClientSampleId :

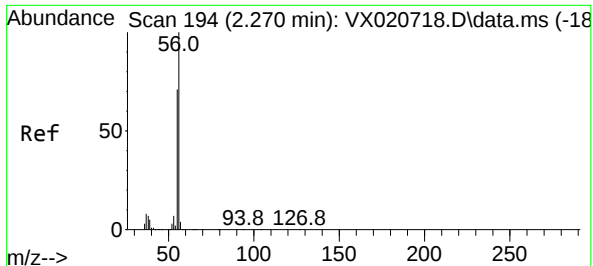
Tgt Ion: 94 Resp: 774
Ion Ratio Lower Upper
94 100
96 143.2 76.4 114.6#



#11
Tert butyl alcohol
Concen: 22.15 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 59 Resp: 16917
Ion Ratio Lower Upper
59 100
57 2.0 7.8 11.8#

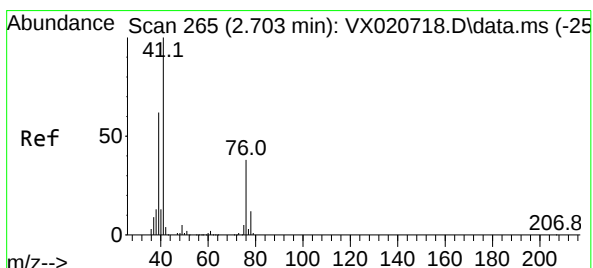
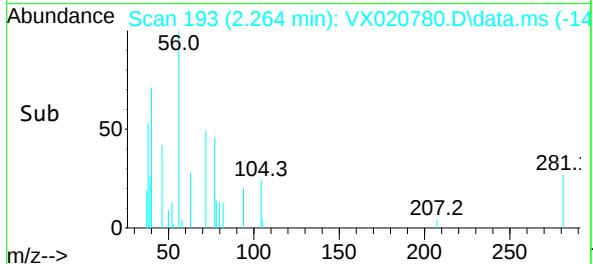
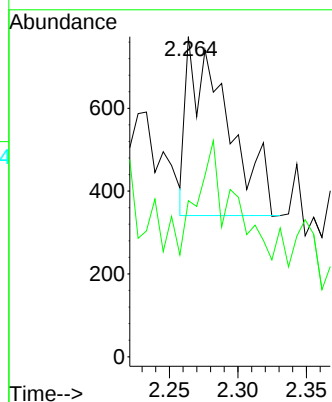
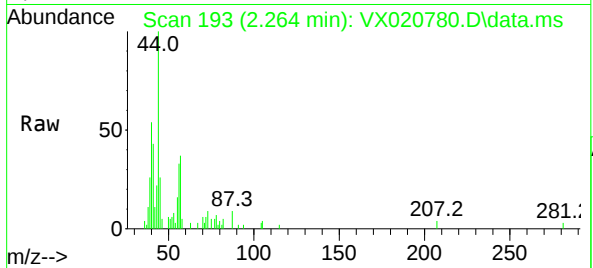




#13
Acrolein
Concen: 1.54 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

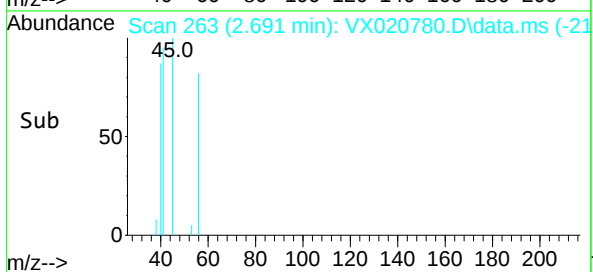
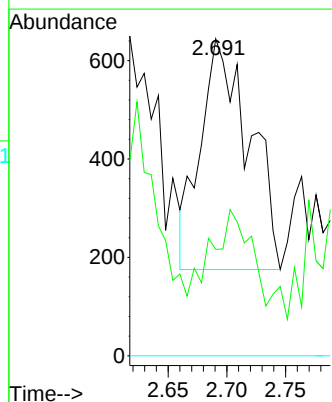
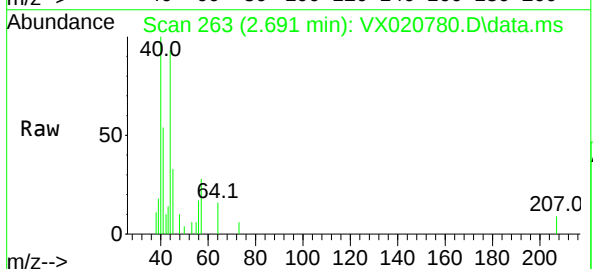
Instrument :
MSVOA_X
ClientSampled :

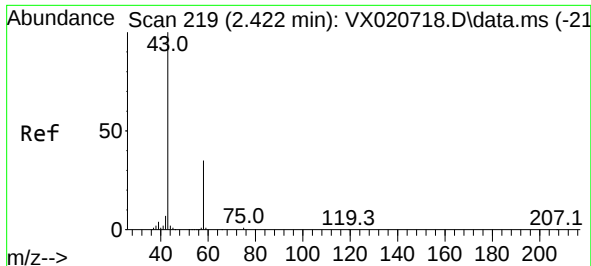
Tgt Ion: 56 Resp: 885
Ion Ratio Lower Upper
56 100
55 57.2 56.4 84.6



#14
Allyl chloride
Concen: 0.25 ug/l
RT: 2.691 min Scan# 263
Delta R.T. -0.012 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

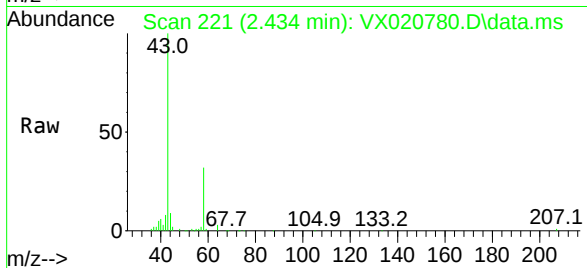
Tgt Ion: 41 Resp: 1364
Ion Ratio Lower Upper
41 100
39 26.4 51.6 77.4#
76 0.0 30.5 45.7#



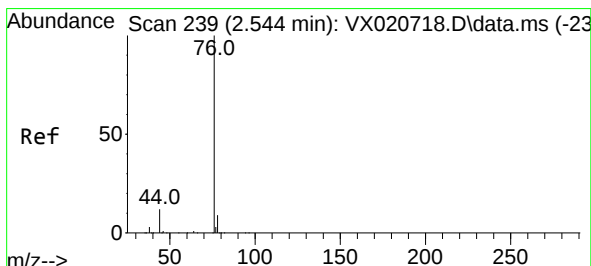
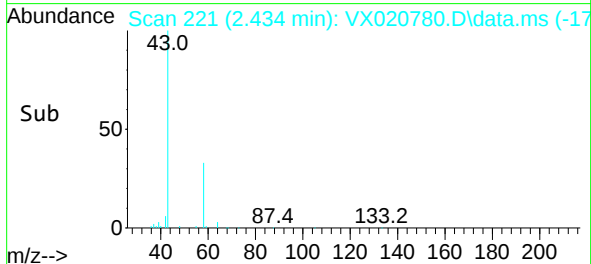
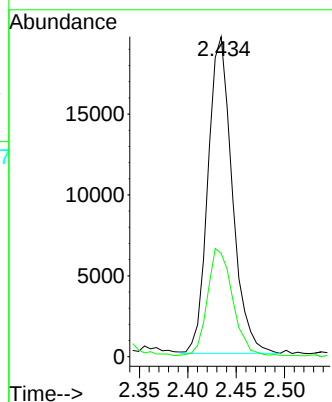


#16
Acetone
Concen: 22.06 ug/l
RT: 2.434 min Scan# 221
Delta R.T. 0.012 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Instrument :
MSVOA_X
ClientSampled :

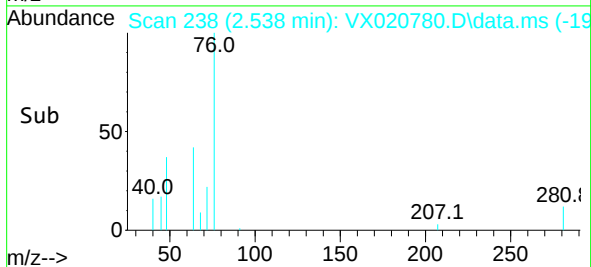
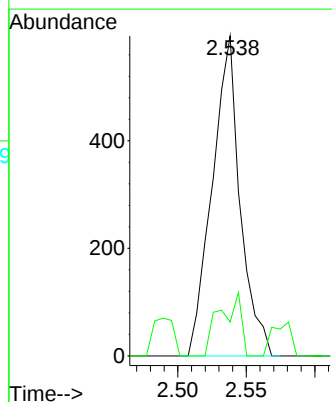
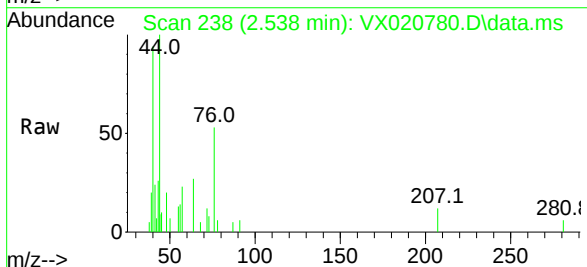


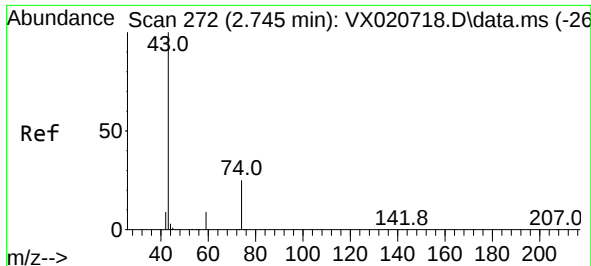
Tgt Ion: 43 Resp: 34217
Ion Ratio Lower Upper
43 100
58 32.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.99 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

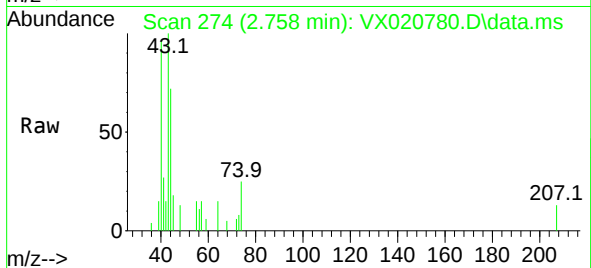
Tgt Ion: 76 Resp: 843
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8



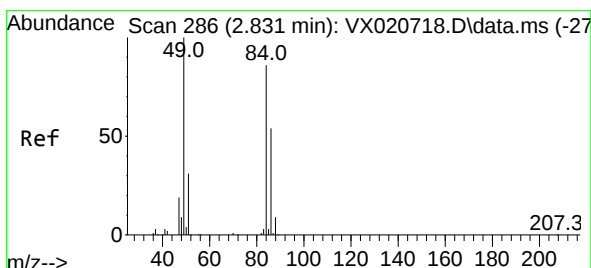
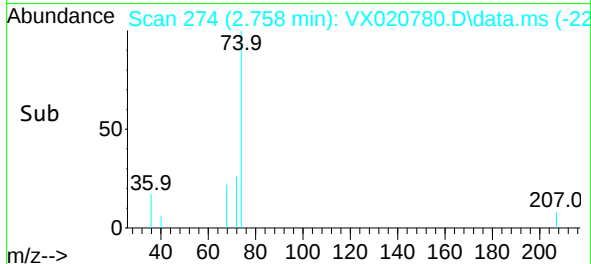
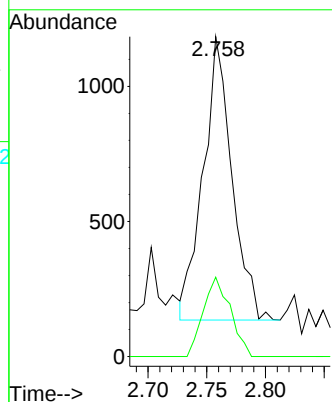


#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 2.758 min Scan# 274
Delta R.T. 0.013 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Instrument :
MSVOA_X
ClientSampled :

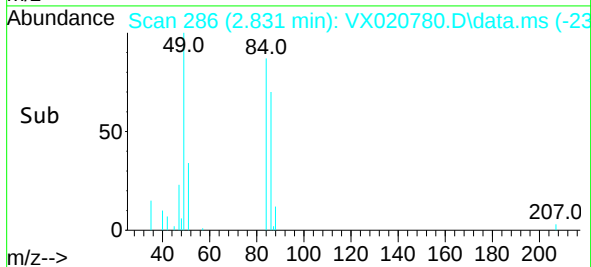
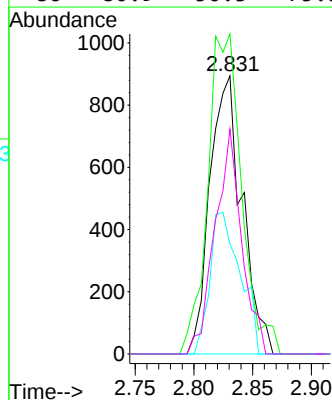
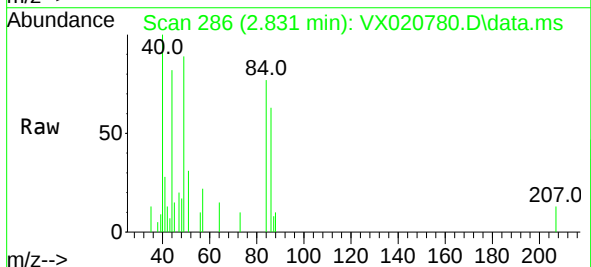


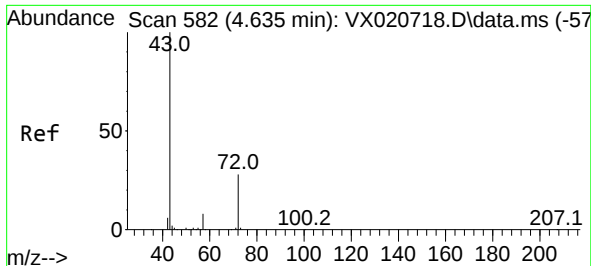
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
74 26.3 21.9 32.9



#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

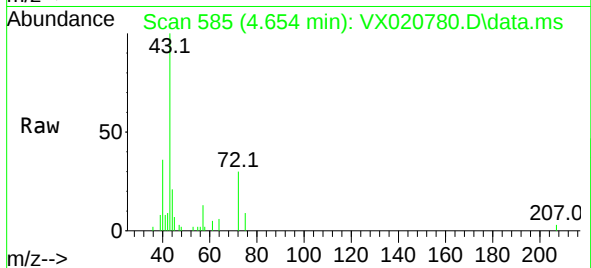
Tgt Ion: 84 Resp: 1706
Ion Ratio Lower Upper
84 100
49 115.1 88.6 132.8
51 39.5 27.0 40.6
86 80.9 50.3 75.5#



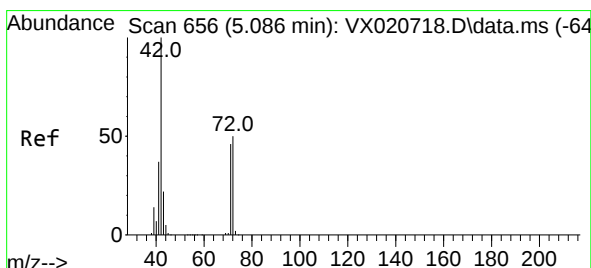
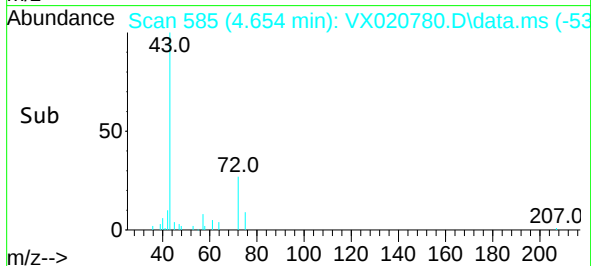
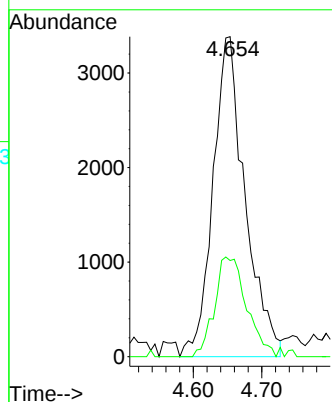


#25
2-Butanone
Concen: 4.53 ug/l
RT: 4.654 min Scan# 585
Delta R.T. 0.019 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Instrument :
MSVOA_X
ClientSampled :

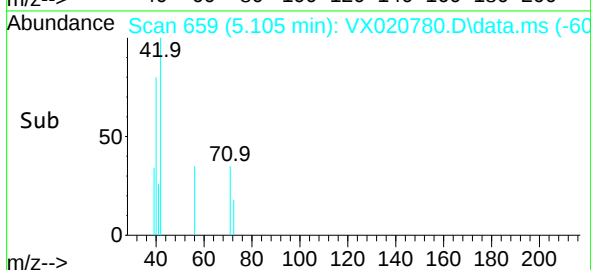
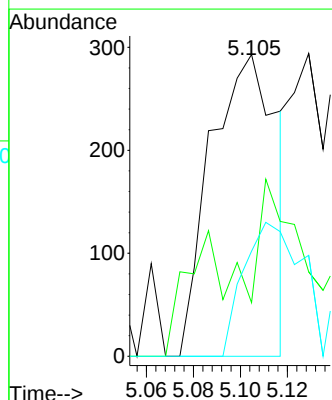
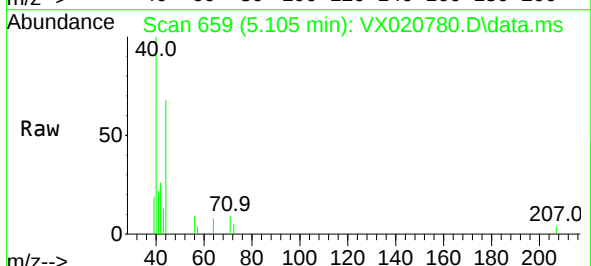


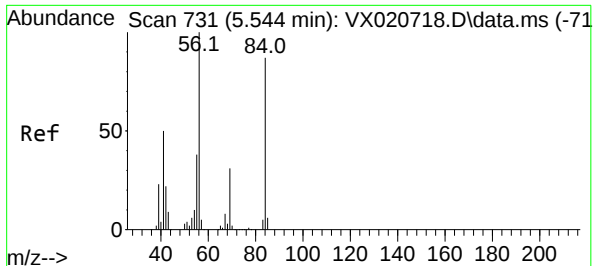
Tgt Ion: 43 Resp: 11007
Ion Ratio Lower Upper
43 100
72 30.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.36 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.019 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

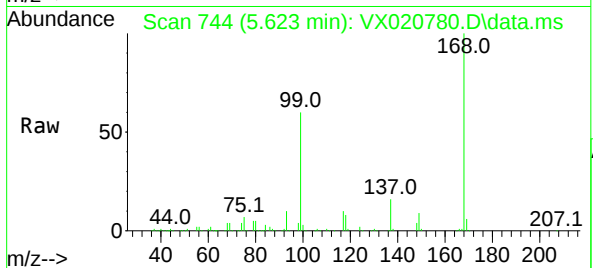
Tgt Ion: 42 Resp: 571
Ion Ratio Lower Upper
42 100
72 51.5 41.7 62.5
71 39.1 38.4 57.6



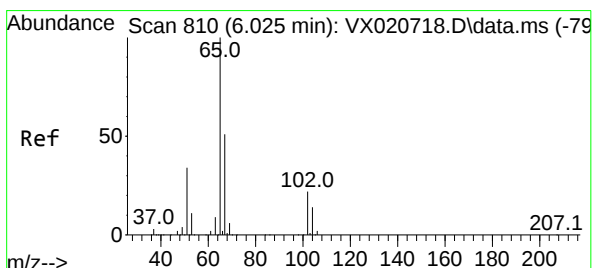
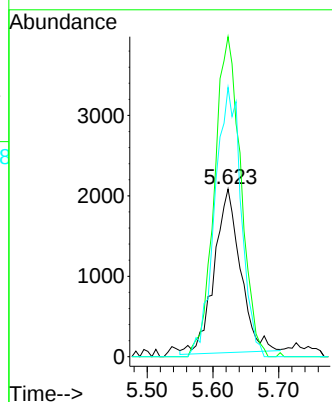
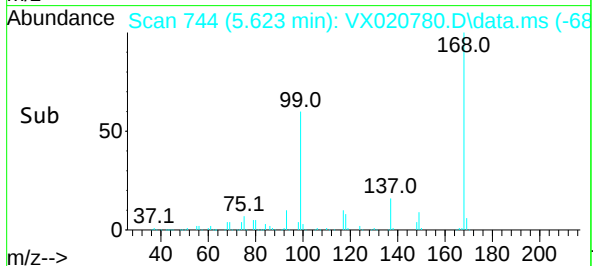


#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

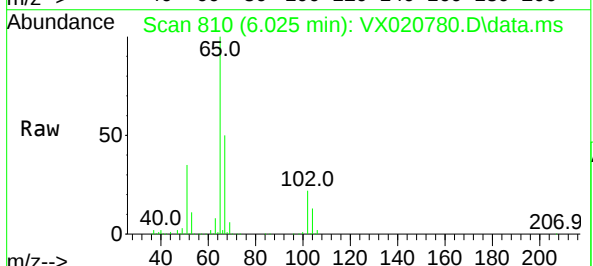
Instrument :
MSVOA_X
ClientSampleId :



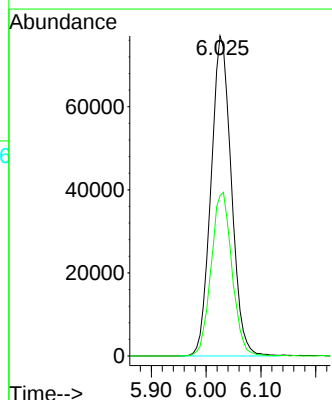
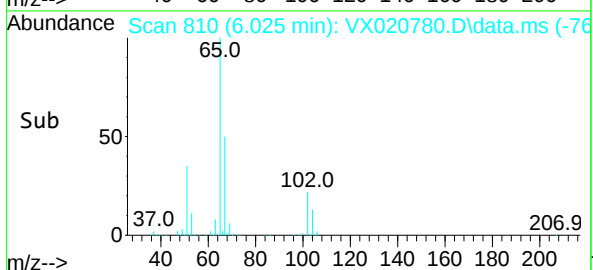
Tgt Ion: 56 Resp: 5646
Ion Ratio Lower Upper
56 100
69 198.0 25.3 37.9#
84 166.6 71.4 107.0#

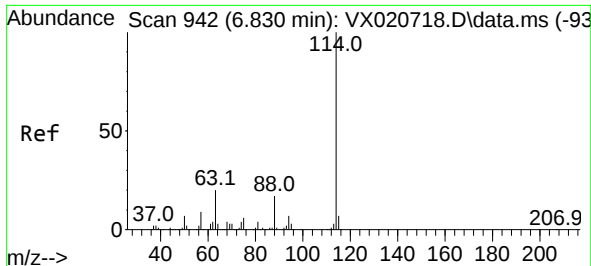


#33
1,2-Dichloroethane-d4
Concen: 48.47 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11



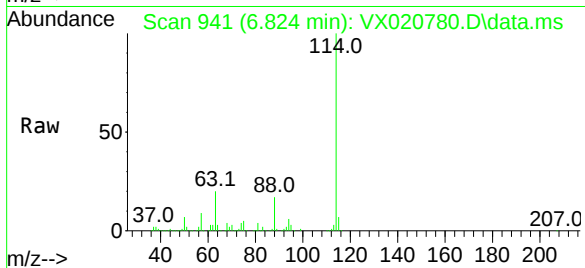
Tgt Ion: 65 Resp: 198284
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4



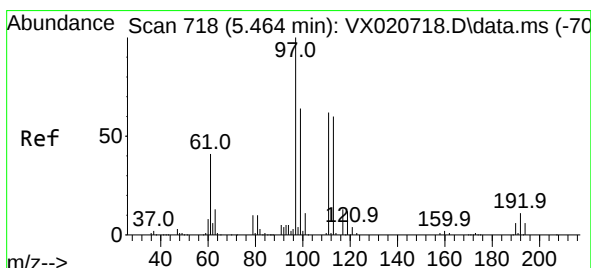
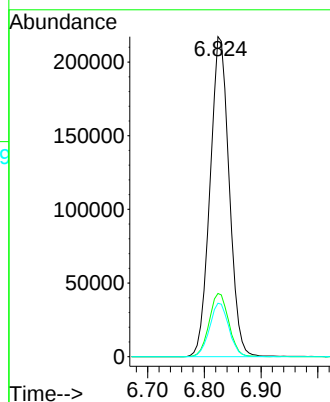
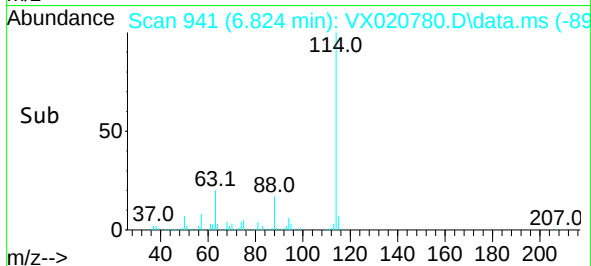


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

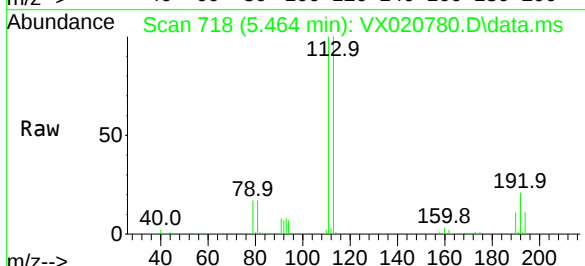
Instrument :
MSVOA_X
ClientSampleId :



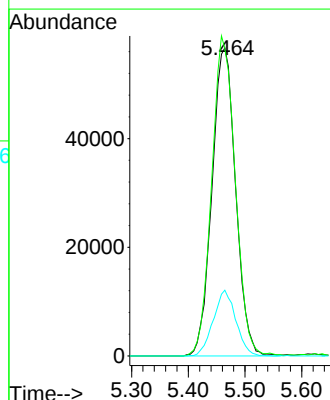
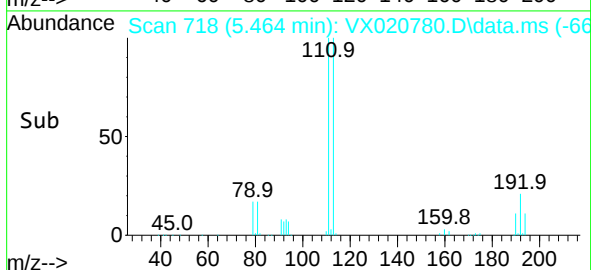
Tgt Ion:114 Resp: 508067
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 16.7 0.0 32.8

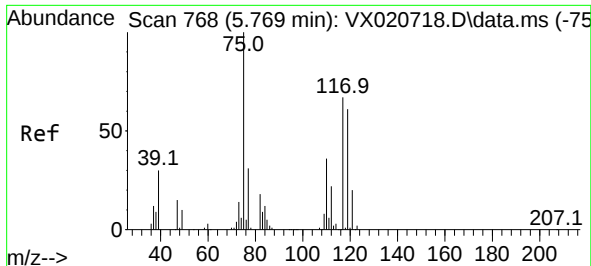


#35
Dibromofluoromethane
Concen: 47.24 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11



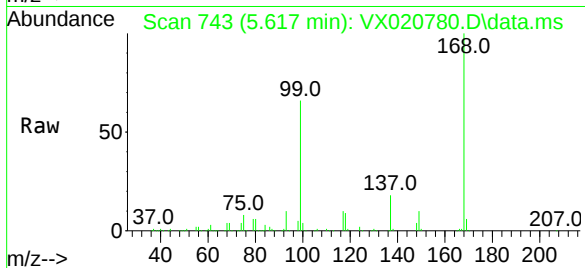
Tgt Ion:113 Resp: 164412
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.4 16.7 25.1



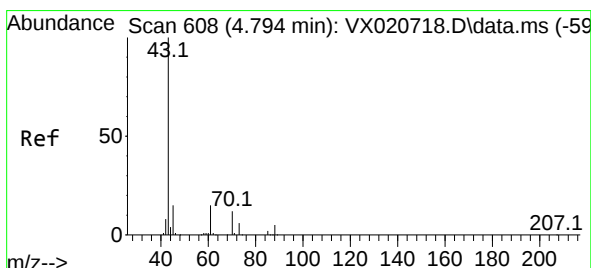
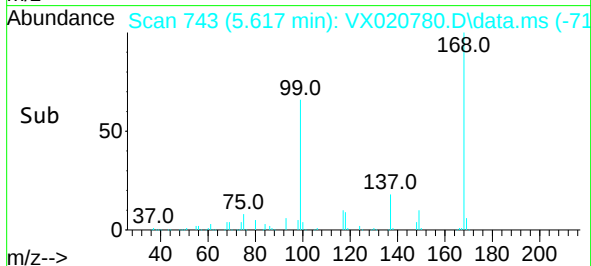
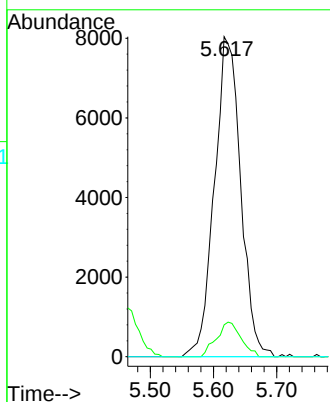


#36
1,1-Dichloropropene
Concen: 4.54 ug/l
RT: 5.617 min Scan# 743
Delta R.T. -0.152 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

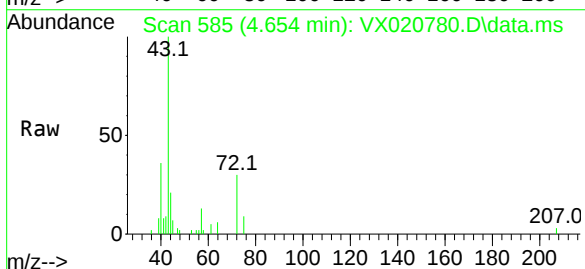
Instrument :
MSVOA_X
ClientSampled :



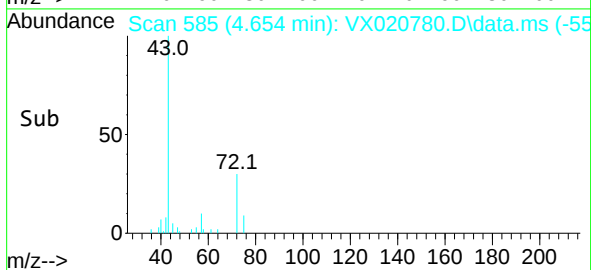
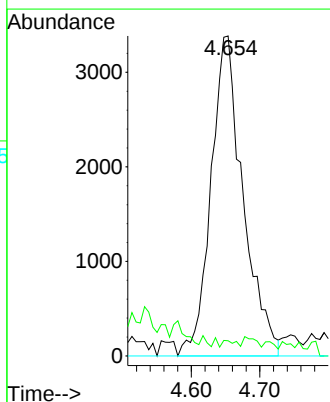
Tgt Ion: 75 Resp: 23152
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#

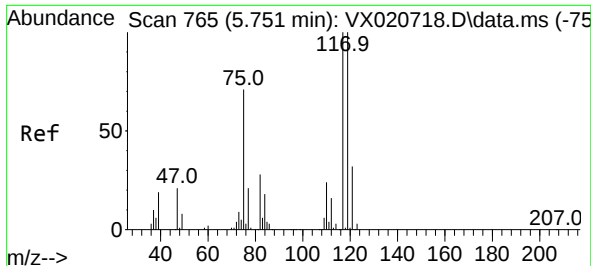


#37
Ethyl Acetate
Concen: 2.28 ug/l
RT: 4.654 min Scan# 585
Delta R.T. -0.140 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11



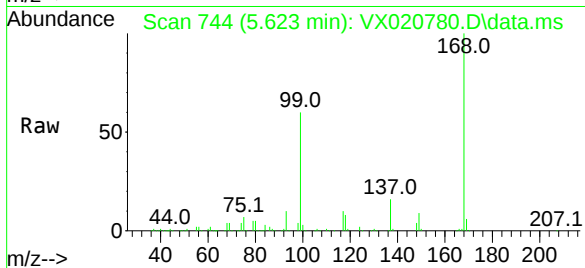
Tgt Ion: 43 Resp: 11007
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



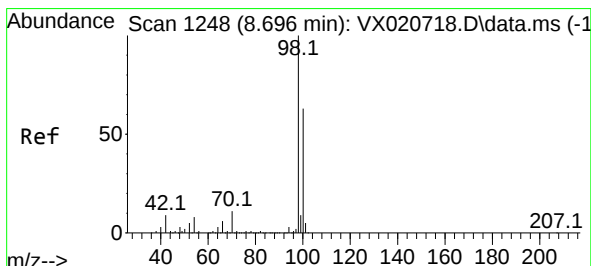
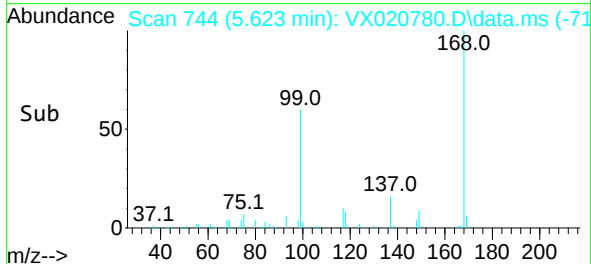
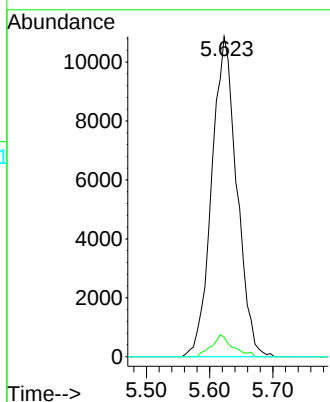


#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Instrument :
MSVOA_X
ClientSampled :

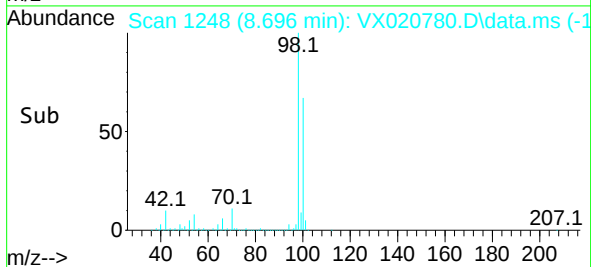
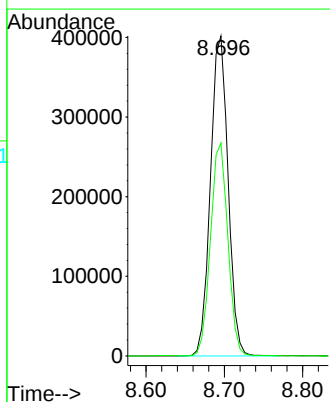
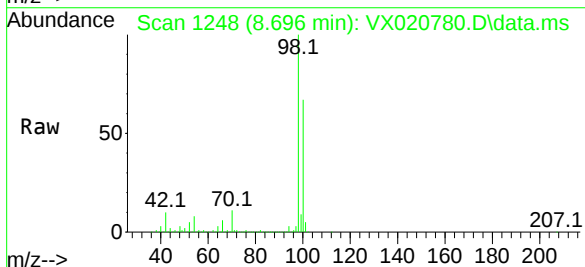


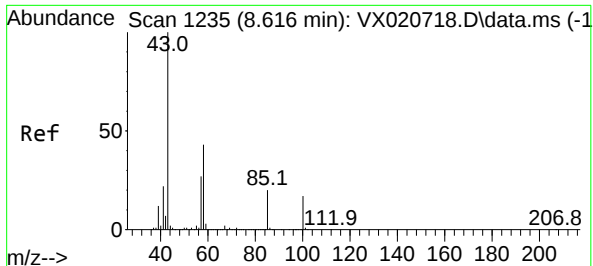
Tgt Ion:117 Resp: 29889
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.19 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 98 Resp: 627611
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

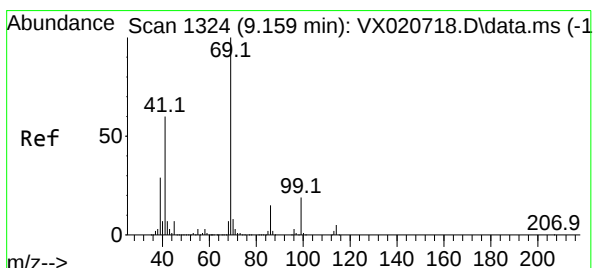
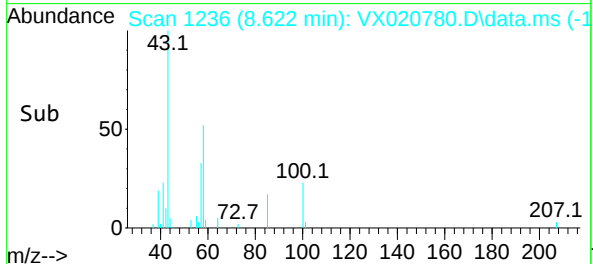
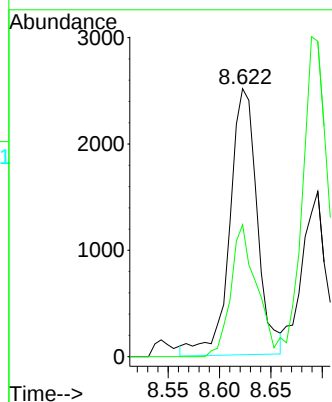
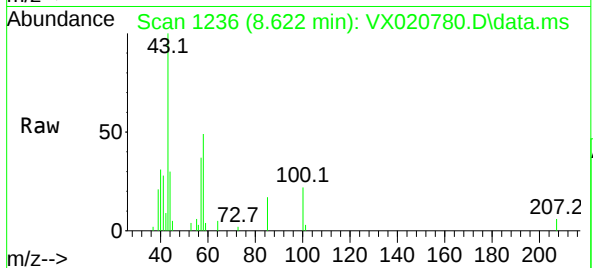




#51
4-Methyl-2-Pentanone
Concen: 0.96 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

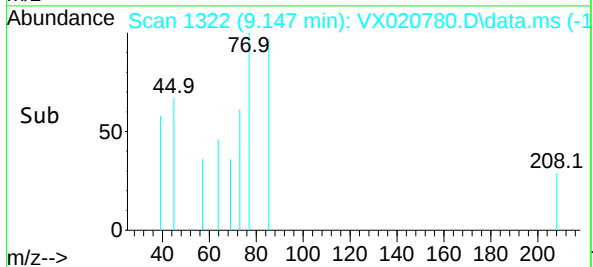
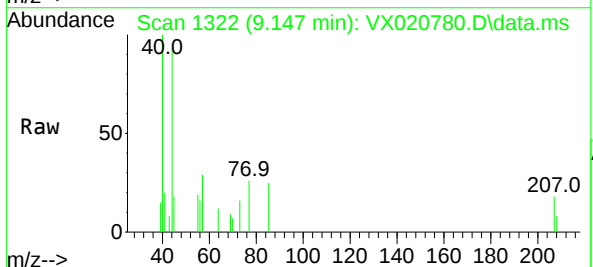
Instrument :
MSVOA_X
ClientSampled :

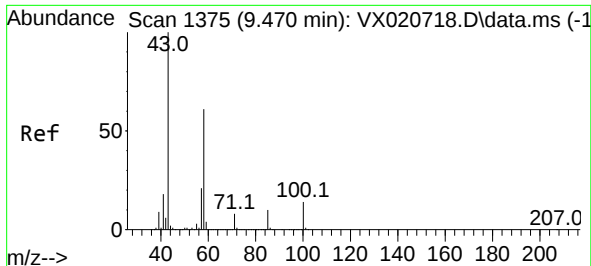
Tgt Ion: 43 Resp: 4653
Ion Ratio Lower Upper
43 100
58 45.9 35.4 53.0



#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.012 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 69 Resp: 46
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 269.6 24.7 37.1#

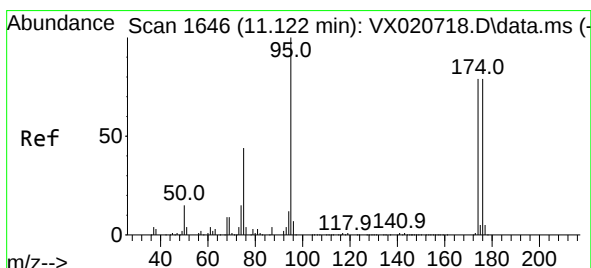
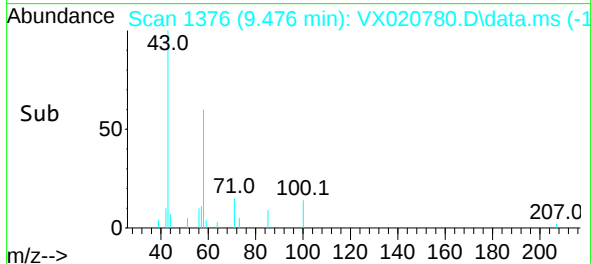
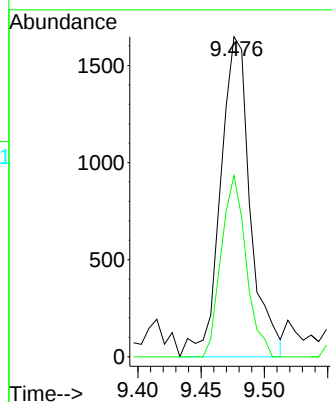
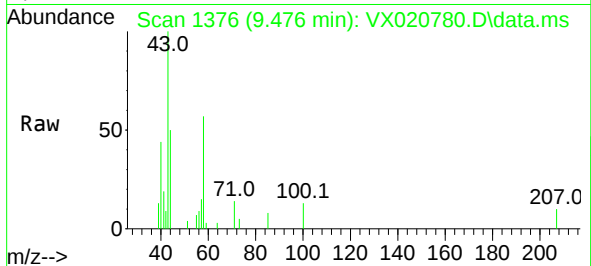




#59
2-Hexanone
Concen: 0.74 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

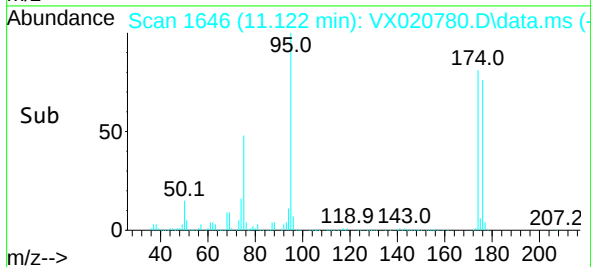
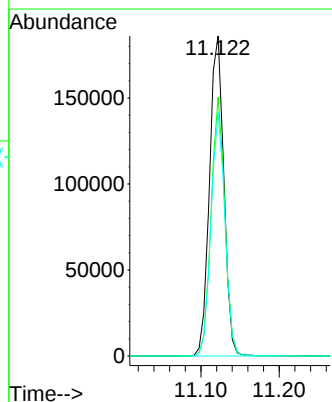
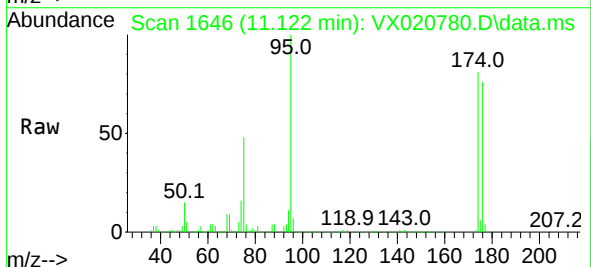
Instrument :
MSVOA_X
ClientSampled :

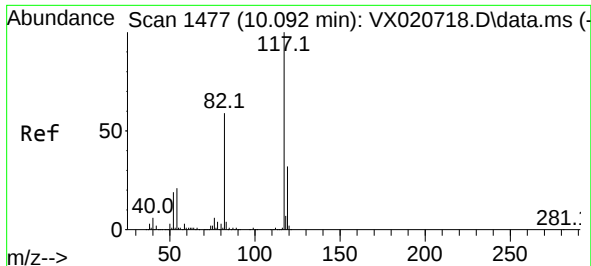
Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
58 47.3 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 47.49 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 95 Resp: 235286
Ion Ratio Lower Upper
95 100
174 78.0 0.0 154.6
176 74.0 0.0 155.8

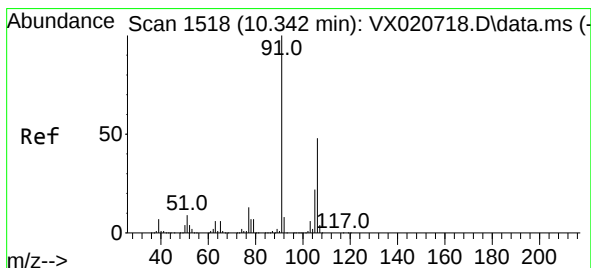
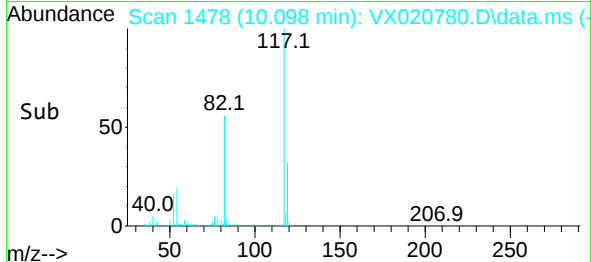
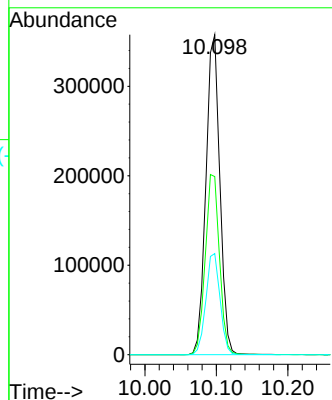
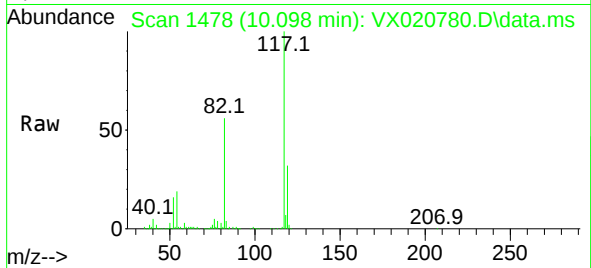




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

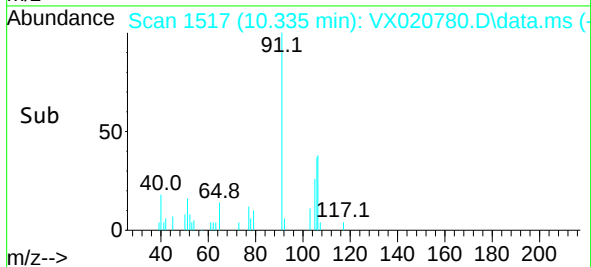
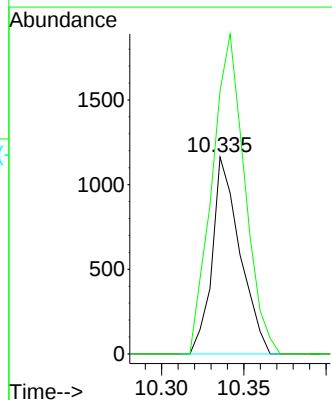
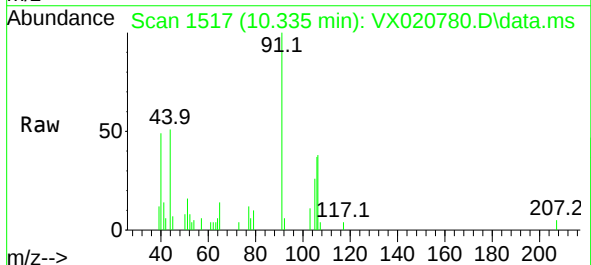
Instrument :
MSVOA_X
ClientSampled :

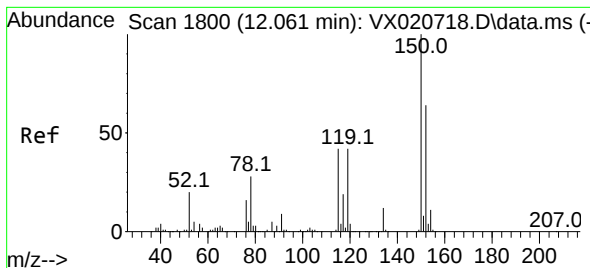
Tgt Ion:117 Resp: 485030
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.6 26.6 39.8



#68
m/p-Xylenes
Concen: 0.20 ug/l
RT: 10.335 min Scan# 1517
Delta R.T. -0.007 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion:106 Resp: 1359
Ion Ratio Lower Upper
106 100
91 191.9 162.8 244.2

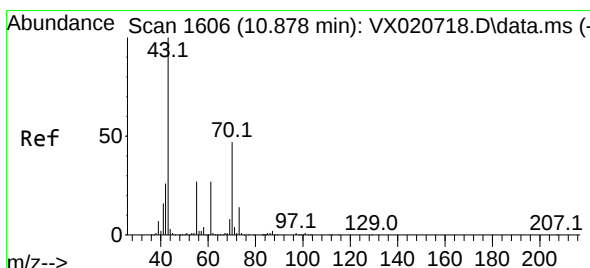
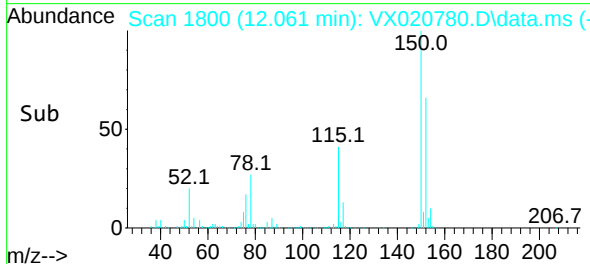
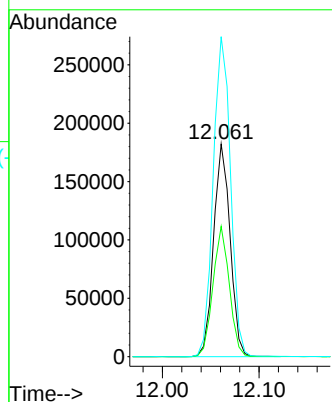
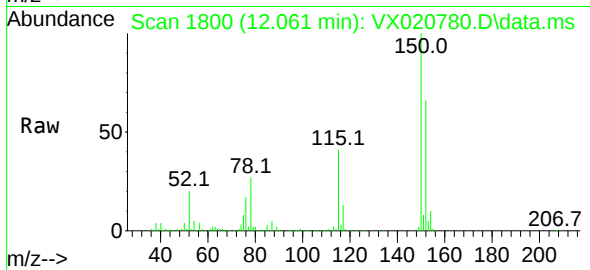




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

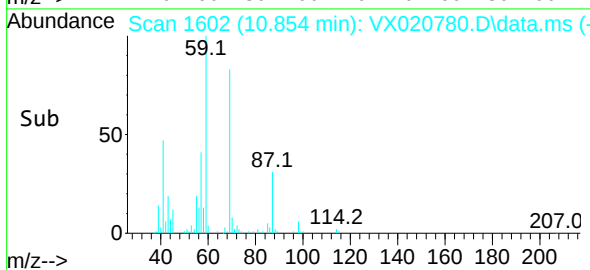
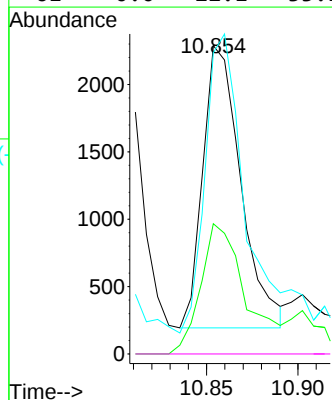
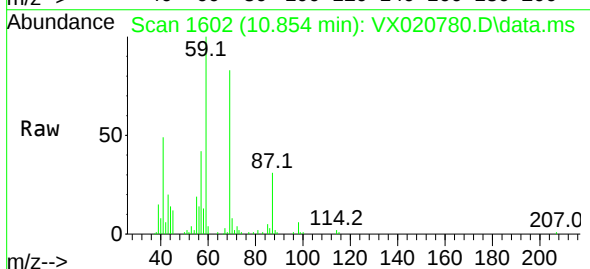
Instrument :
MSVOA_X
ClientSampled :

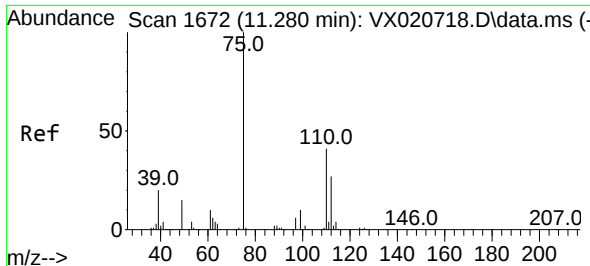
Tgt Ion:152 Resp: 216040
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 158.2 0.0 349.0



#74
N-ethyl acetate
Concen: 2.46 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. -0.024 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 43 Resp: 3036
Ion Ratio Lower Upper
43 100
70 54.6 39.0 58.6
55 128.9 21.5 32.3#
61 0.0 22.1 33.1#

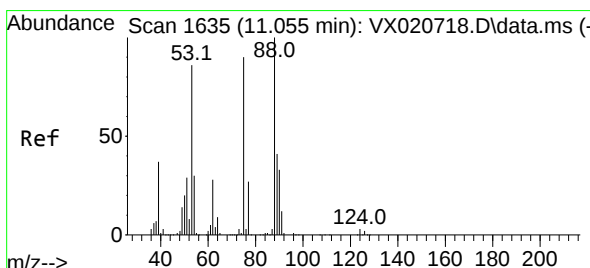
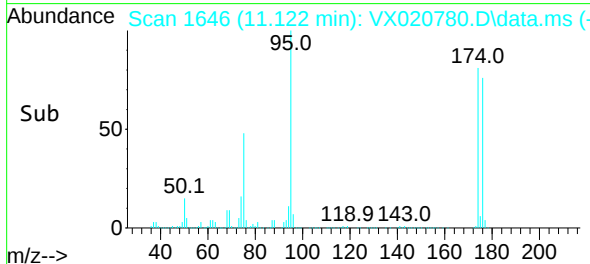
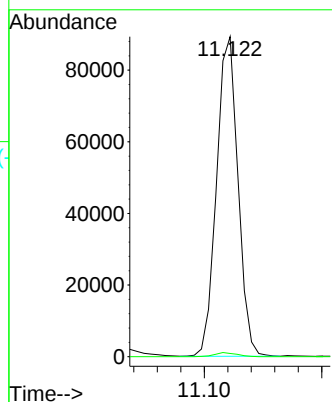
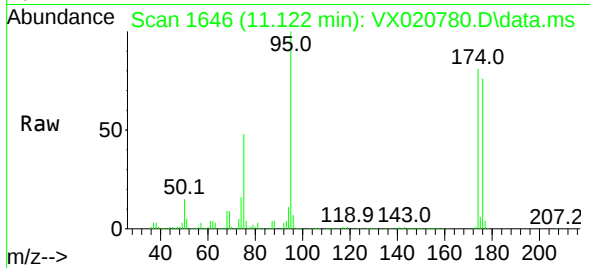




#76
1,2,3-Trichloropropane
Concen: 22.59 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

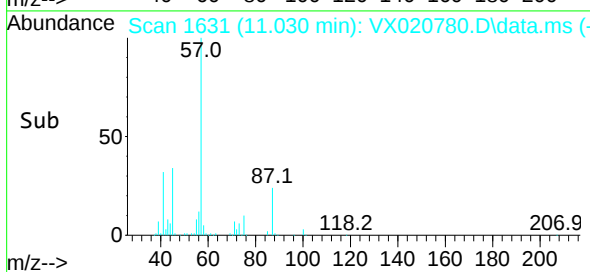
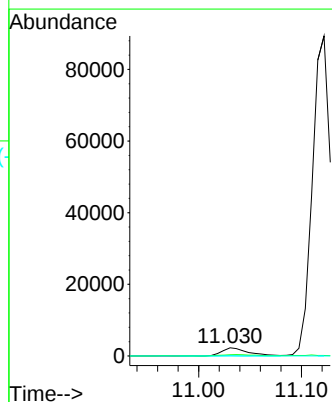
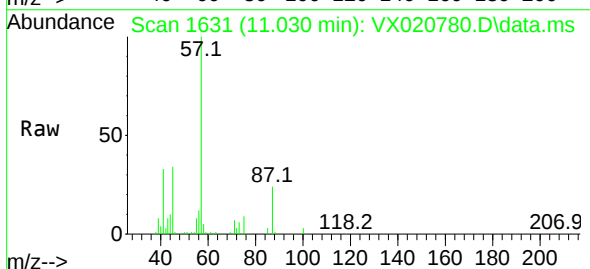
Instrument :
MSVOA_X
ClientSampled :

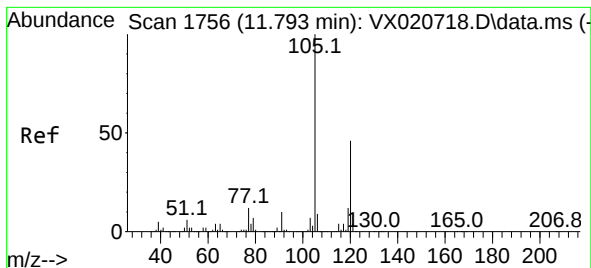
Tgt Ion: 75 Resp: 113167
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 2.26 ug/l
RT: 11.030 min Scan# 1631
Delta R.T. -0.025 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion: 75 Resp: 4035
Ion Ratio Lower Upper
75 100
53 19.6 74.5 111.7#
89 1.8 37.9 56.9#

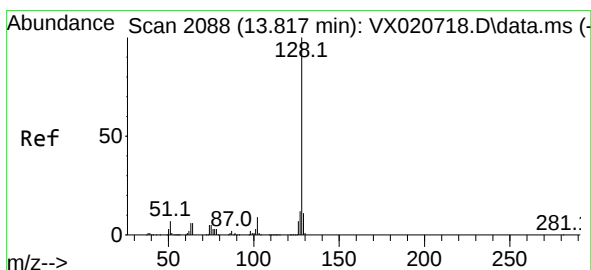
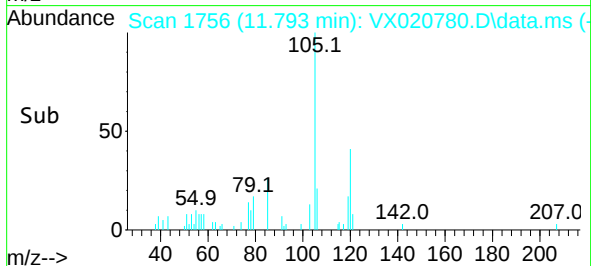
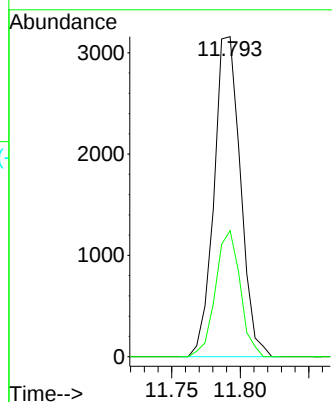
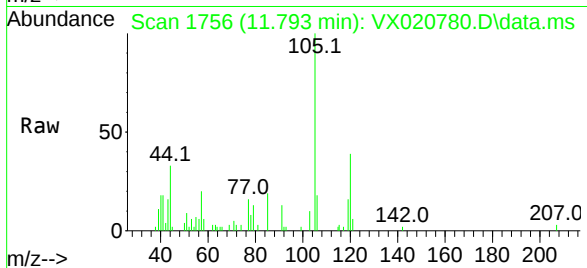




#84
1,2,4-Trimethylbenzene
Concen: 0.31 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 4232
Ion Ratio Lower Upper
105 100
120 36.8 22.4 67.3



#95
Naphthalene
Concen: 3.02 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020780.D
Acq: 27 Jan 2021 19:11

Tgt Ion:128 Resp: 2651
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 16.9 8.8 13.2#

