

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020282.D
 Acq On : 22 Dec 2020 04:30
 Operator : JC/MD
 Sample : PB133709ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 05:19:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

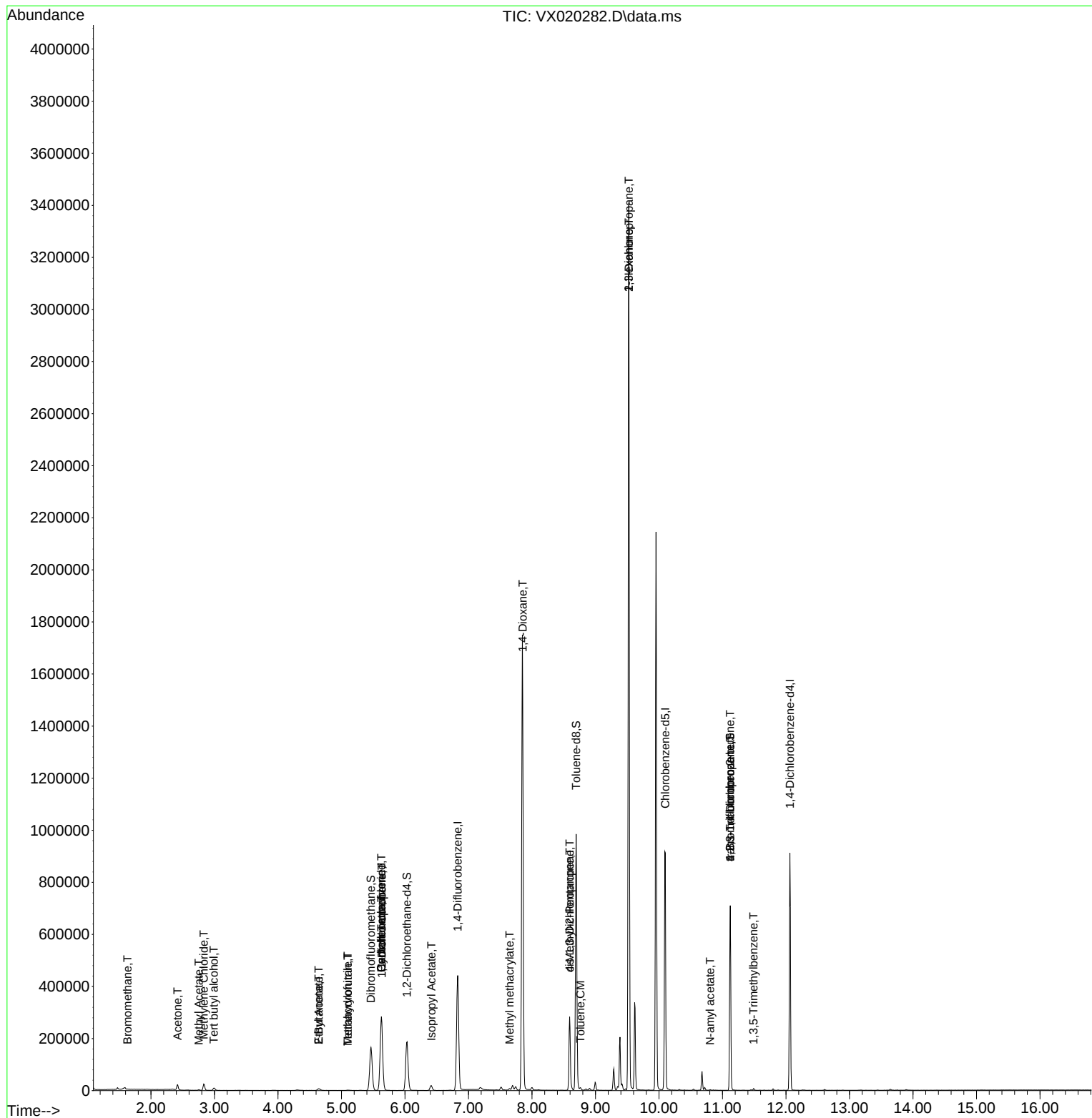
Internal Standards						
1) Pentafluorobenzene	5.629	168	263120	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	447529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	430137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	180766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	180536	51.19	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.38%			
35) Dibromofluoromethane	5.465	113	143576	50.15	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.30%			
50) Toluene-d8	8.696	98	566981	51.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.90%			
62) 4-Bromofluorobenzene	11.122	95	193348	45.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.68%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	261	0.23	ug/l #	79
11) Tert butyl alcohol	2.989	59	6213	7.87	ug/l #	77
16) Acetone	2.416	43	21680	13.48	ug/l	99
18) Methyl Acetate	2.752	43	3035	0.85	ug/l	91
20) Methylene Chloride	2.831	84	11569	3.19	ug/l	96
25) 2-Butanone	4.642	43	9137	3.90	ug/l	99
29) Tetrahydrofuran	5.099	42	1278	0.87	ug/l #	71
31) Cyclohexane	5.629	56	5108	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.635	75	20694	4.68	ug/l #	48
37) Ethyl Acetate	4.642	43	9137	1.99	ug/l #	66
38) Carbon Tetrachloride	5.629	117	26797	6.37	ug/l #	17
41) Methacrylonitrile	5.099	41	804	0.33	ug/l #	30
43) Isopropyl Acetate	6.416	43	25005	3.45	ug/l	96
48) Methyl methacrylate	7.647	41	7434	2.09	ug/l #	10
49) 1,4-Dioxane	7.854	88	224	2.69	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	89701	19.97	ug/l #	47
52) Toluene	8.763	92	2097	0.25	ug/l	97
54) cis-1,3-Dichloropropene	8.592	75	46172	8.43	ug/l #	61
57) 1,3-Dichloropropane	9.525	76	29634	5.02	ug/l #	43
59) 2-Hexanone	9.525	43	363626	106.22	ug/l #	46
74) N-amyl acetate	10.805	43	1067	0.20	ug/l #	44
76) 1,2,3-Trichloropropane	11.122	75	95850	21.53	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2666	0.24	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.122	75	95850	63.86	ug/l #	12

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 22 05:19:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

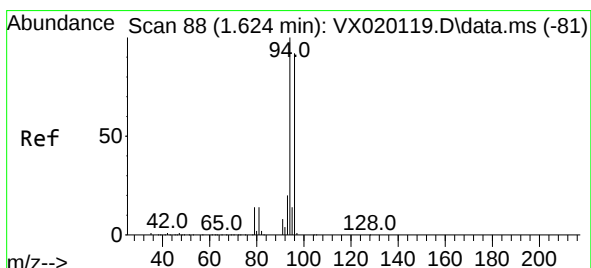
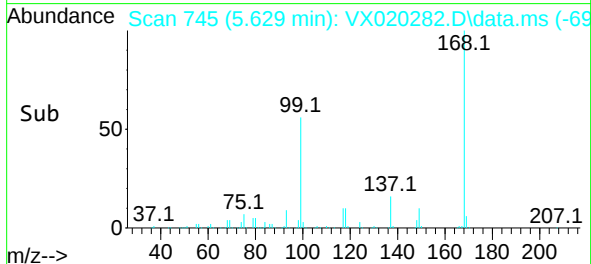
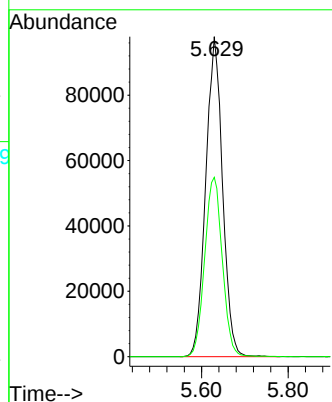
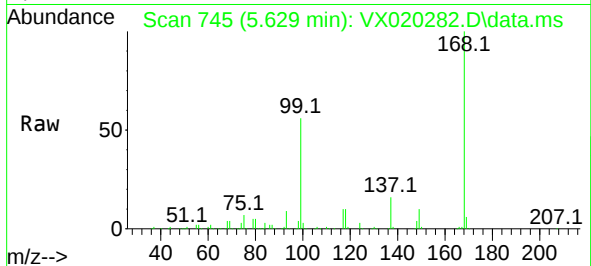




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

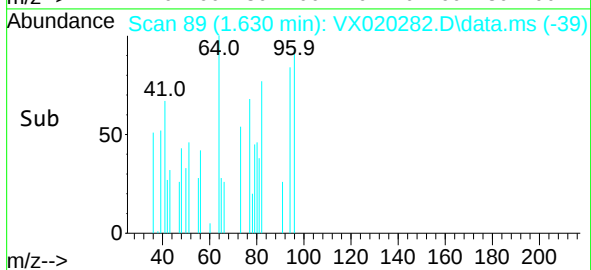
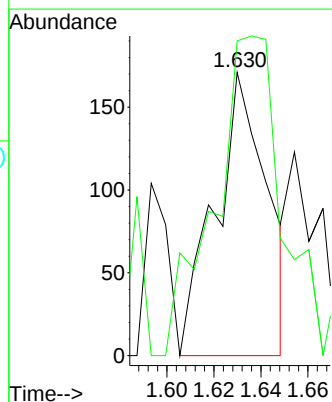
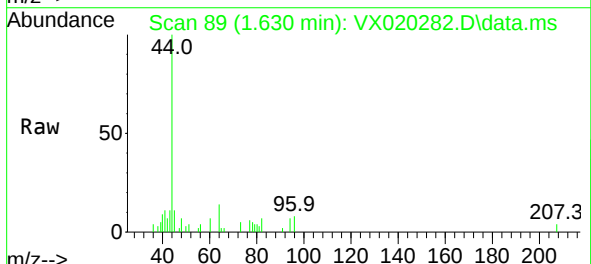
Instrument :
MSVOA_X
ClientSampled :

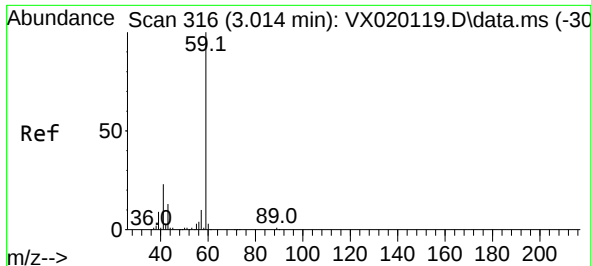
Tgt Ion:168 Resp: 263120
Ion Ratio Lower Upper
168 100
99 56.1 45.8 68.6



#5
Bromomethane
Concen: 0.23 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 94 Resp: 261
Ion Ratio Lower Upper
94 100
96 74.9 76.4 114.6#

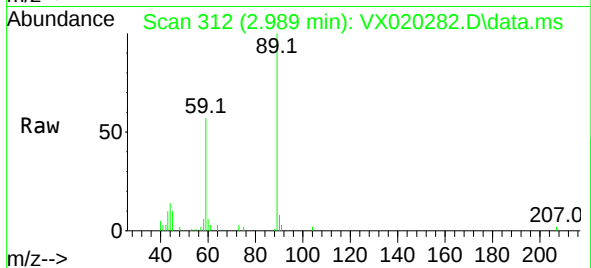




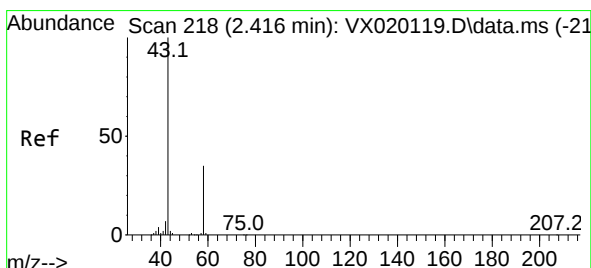
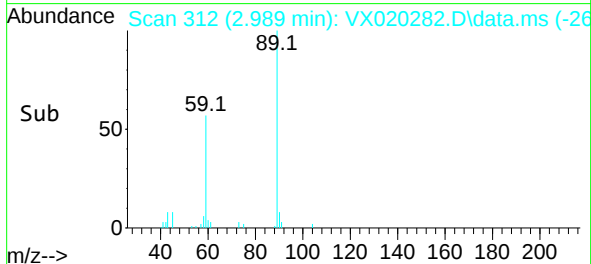
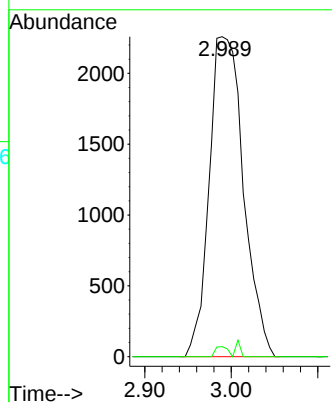
#11

Tert butyl alcohol
Concen: 7.87 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Instrument :
MSVOA_X
ClientSampled :



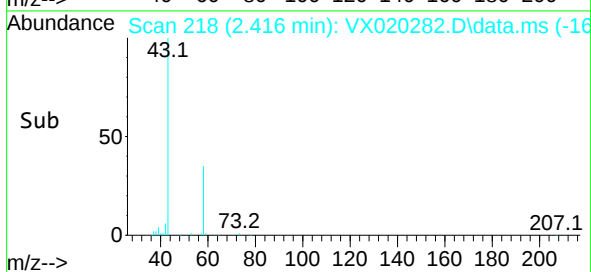
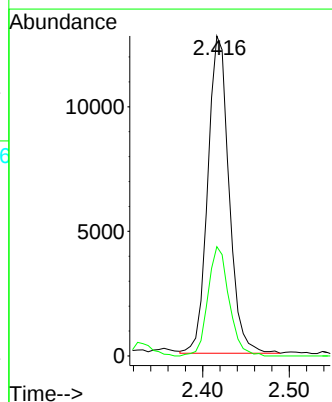
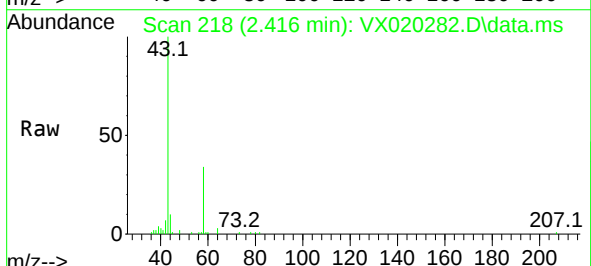
Tgt Ion: 59 Resp: 6213
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#

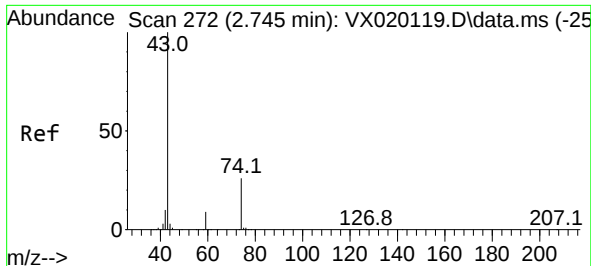


#16

Acetone
Concen: 13.48 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 43 Resp: 21680
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.8





#18

Methyl Acetate

Concen: 0.85 ug/l

RT: 2.752 min Scan# 273

Delta R.T. 0.007 min

Lab File: VX020282.D

Acq: 22 Dec 2020 04:30

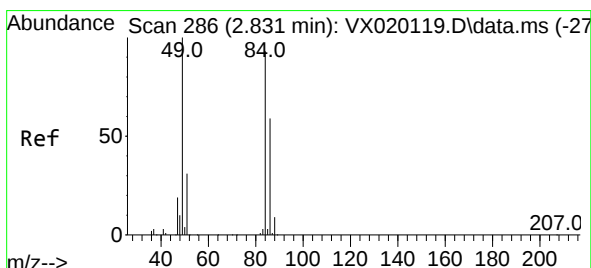
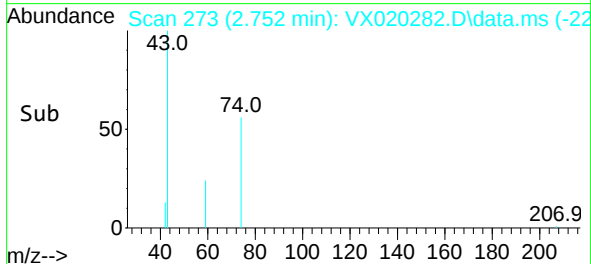
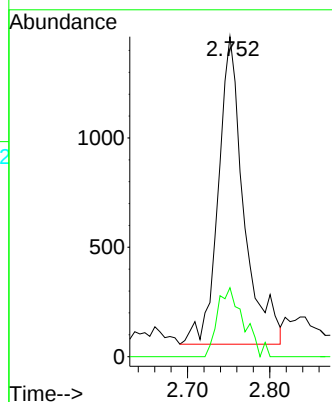
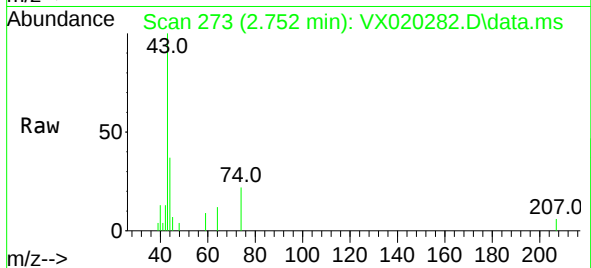
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 43 Resp: 3035

Ion Ratio Lower Upper

43 100

74 22.9 21.9 32.9



#20

Methylene Chloride

Concen: 3.19 ug/l

RT: 2.831 min Scan# 286

Delta R.T. -0.000 min

Lab File: VX020282.D

Acq: 22 Dec 2020 04:30

Tgt Ion: 84 Resp: 11569

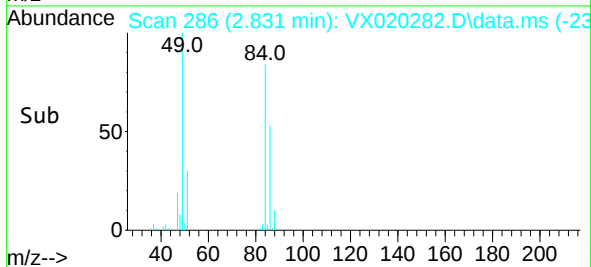
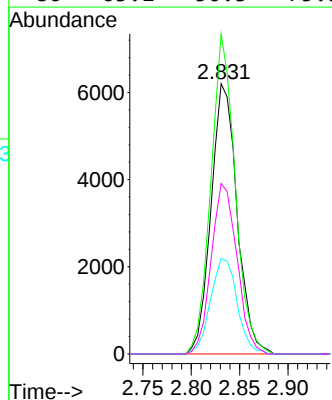
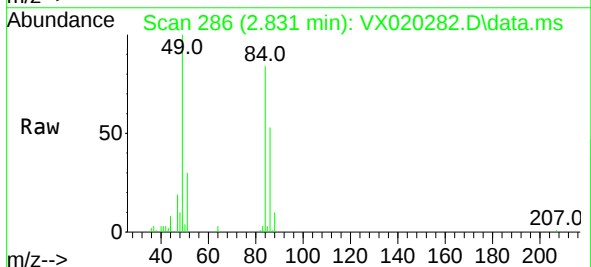
Ion Ratio Lower Upper

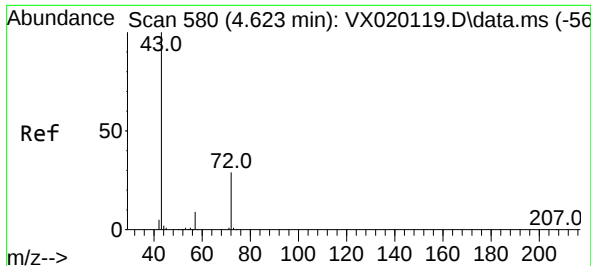
84 100

49 118.4 88.6 132.8

51 35.4 27.0 40.6

86 63.1 50.3 75.5

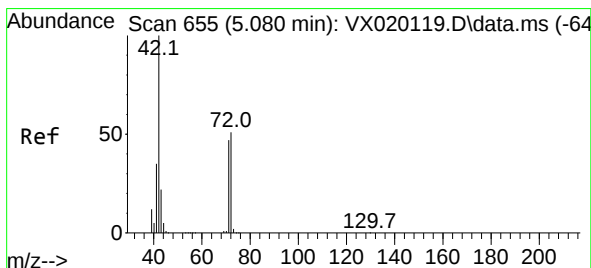
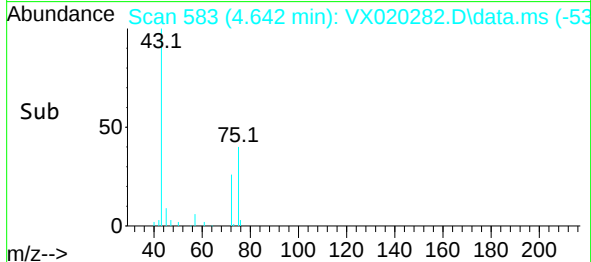
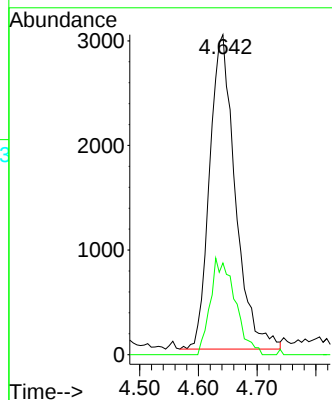
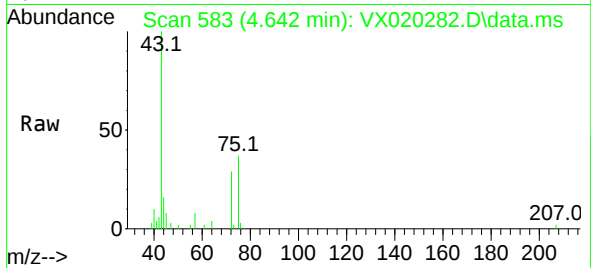




#25
2-Butanone
Concen: 3.90 ug/l
RT: 4.642 min Scan# 583
Delta R.T. 0.019 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

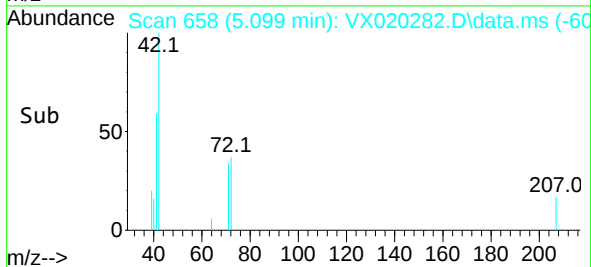
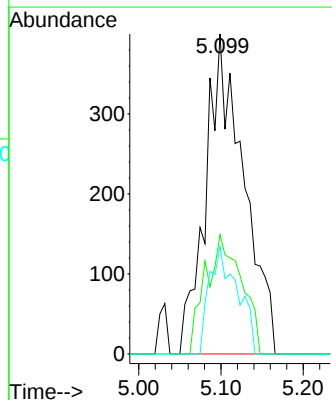
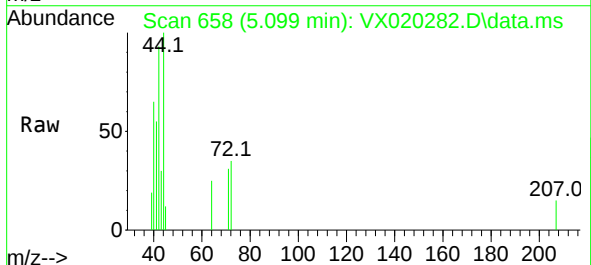
Instrument :
MSVOA_X
ClientSampled :

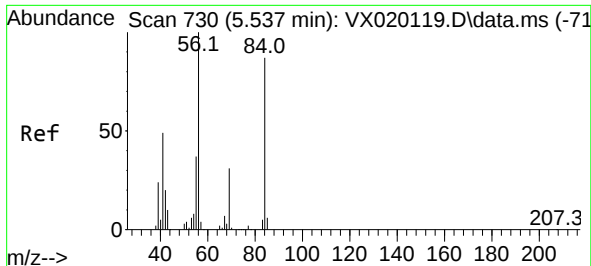
Tgt Ion: 43 Resp: 9137
Ion Ratio Lower Upper
43 100
72 29.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.87 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.019 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

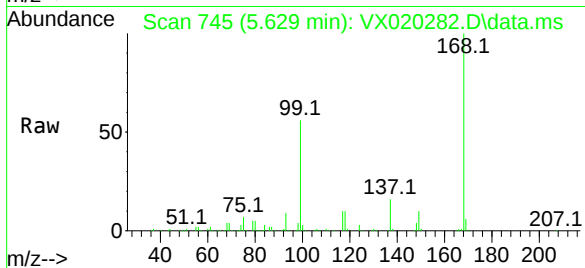
Tgt Ion: 42 Resp: 1278
Ion Ratio Lower Upper
42 100
72 35.5 41.7 62.5#
71 25.1 38.4 57.6#



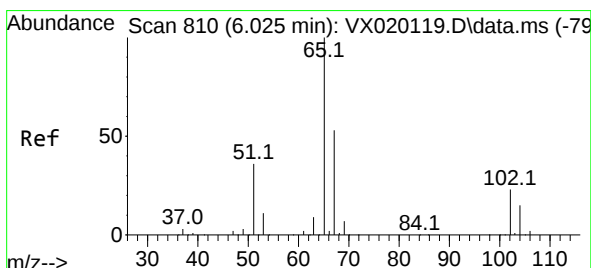
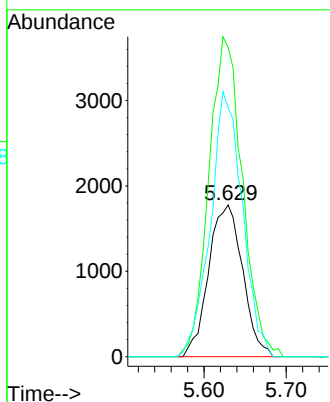
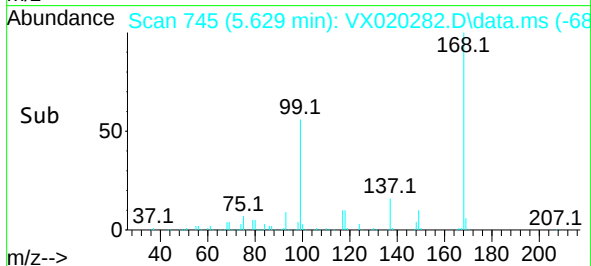


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

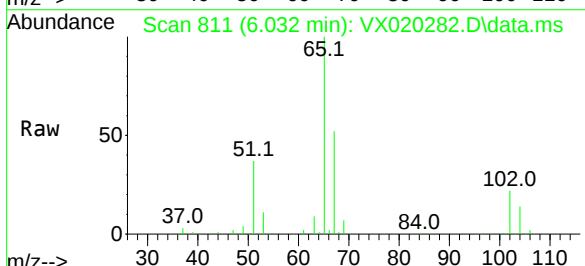
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MSVOA_X
ClientSampleId :



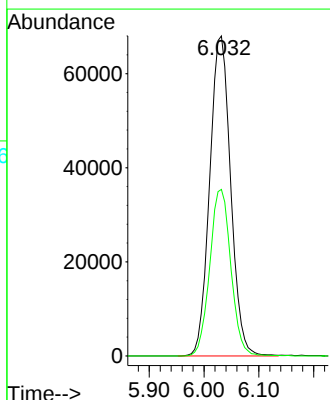
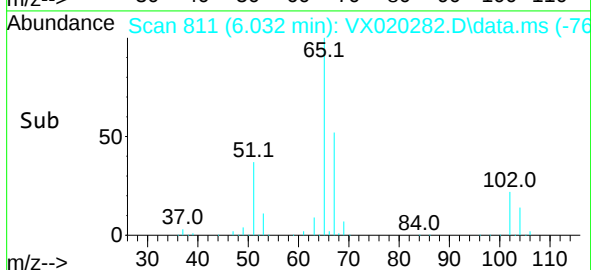
Tgt Ion: 56 Resp: 5108
Ion Ratio Lower Upper
56 100
69 203.8 25.3 37.9#
84 164.1 71.4 107.0#

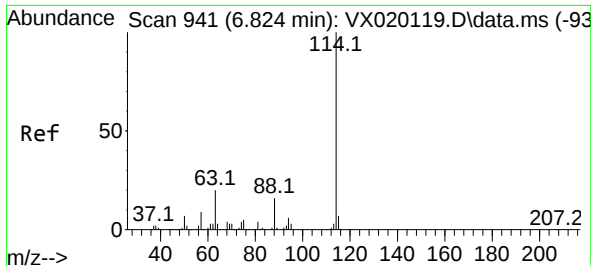


#33
1,2-Dichloroethane-d4
Concen: 51.19 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.007 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30



Tgt Ion: 65 Resp: 180536
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.4

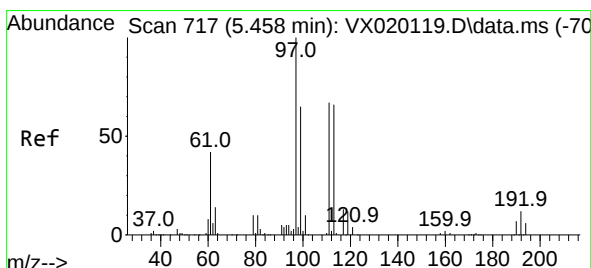
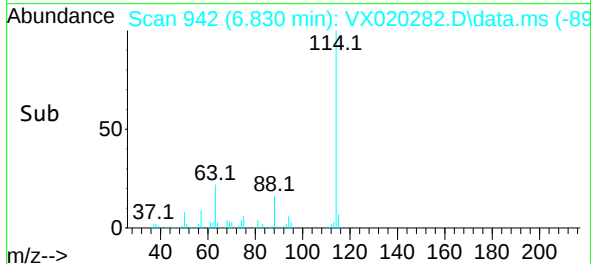
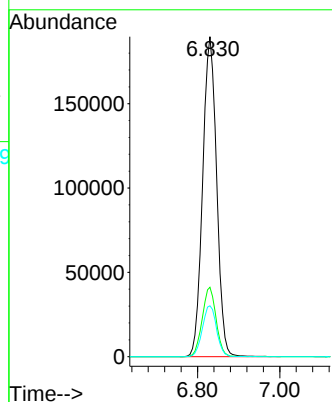
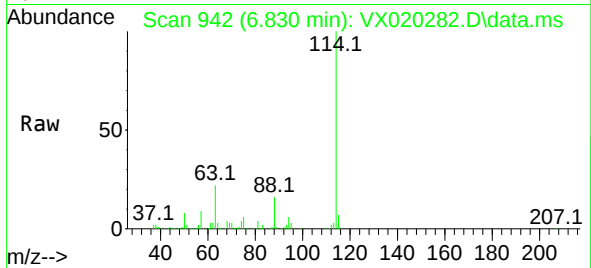




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

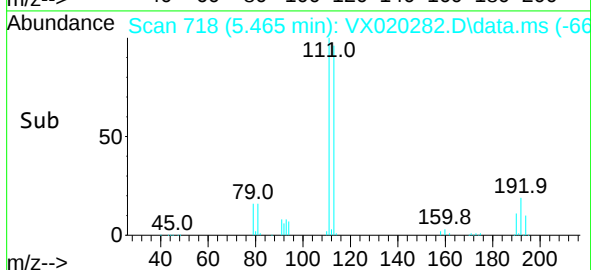
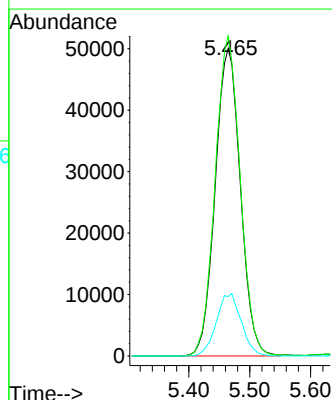
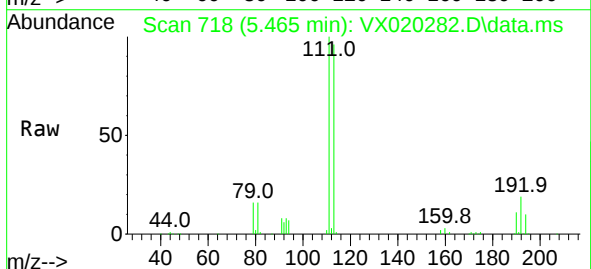
Instrument :
MSVOA_X
ClientSampleId :

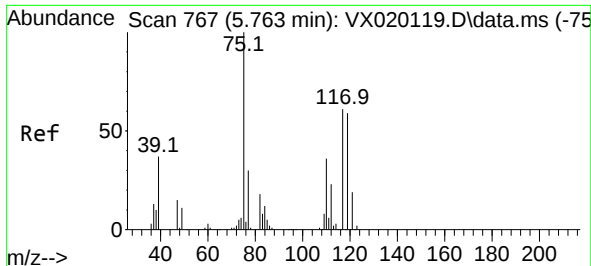
Tgt Ion:114 Resp: 447529
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.15 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

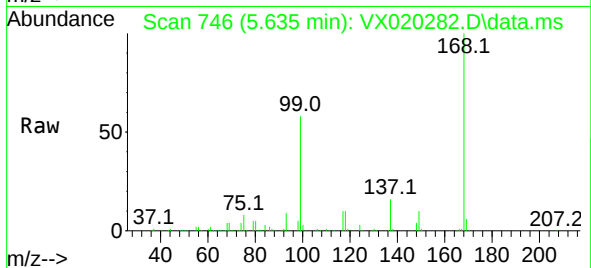
Tgt Ion:113 Resp: 143576
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 20.1 16.7 25.1



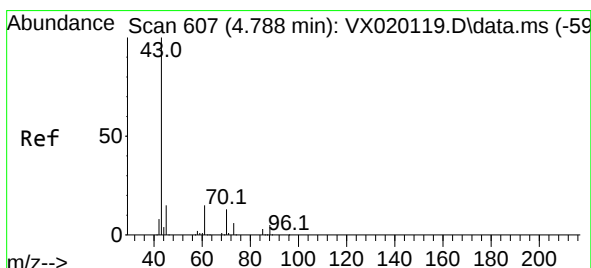
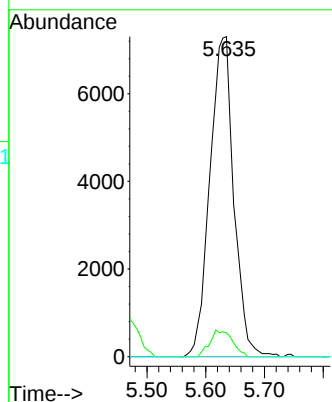
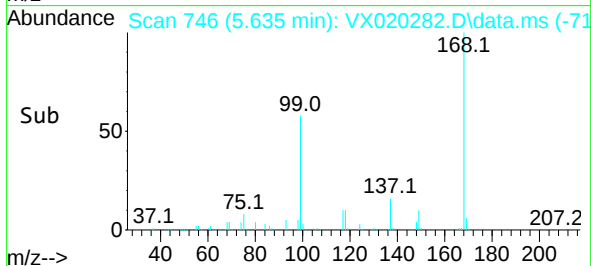


#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 5.635 min Scan# 746
Delta R.T. -0.128 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

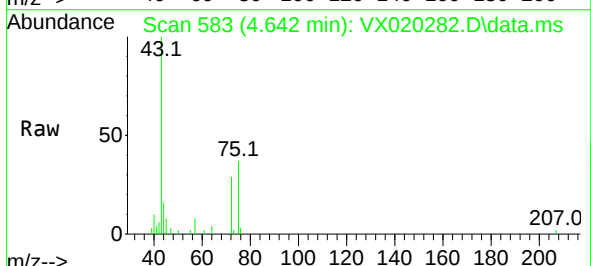
Instrument :
MSVOA_X
ClientSampleId :



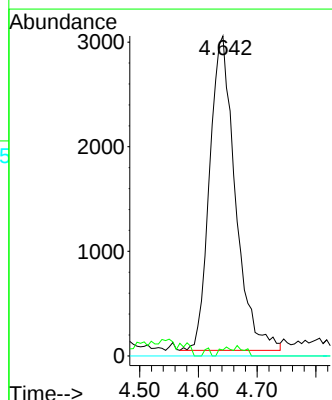
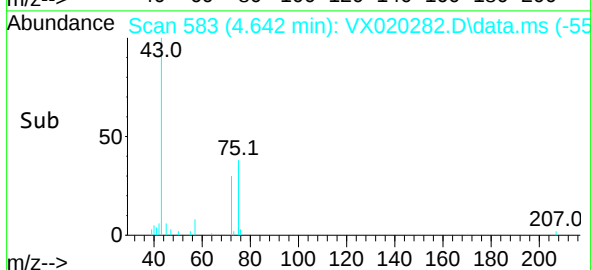
Tgt Ion: 75 Resp: 20694
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 25.3 37.9#

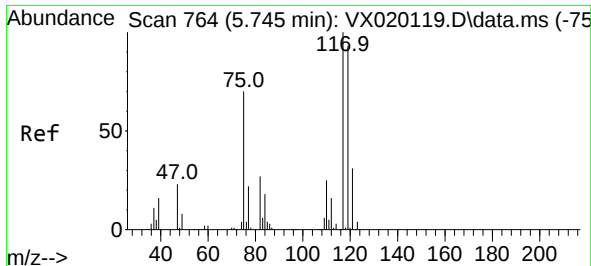


#37
Ethyl Acetate
Concen: 1.99 ug/l
RT: 4.642 min Scan# 583
Delta R.T. -0.146 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30



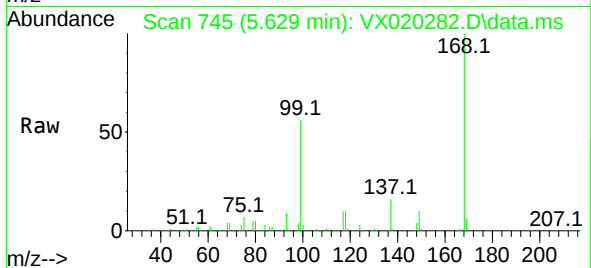
Tgt Ion: 43 Resp: 9137
Ion Ratio Lower Upper
43 100
61 1.3 12.8 19.2#
70 0.0 10.5 15.7#



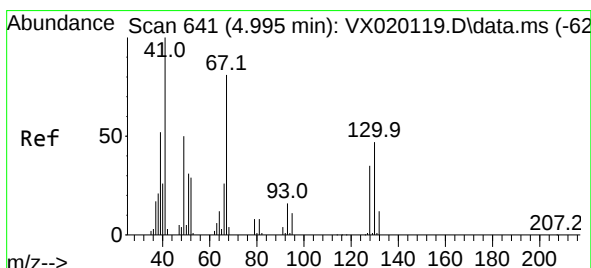
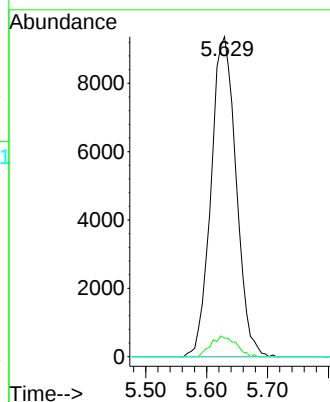
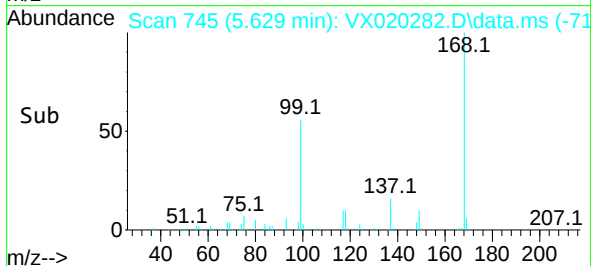


#38
Carbon Tetrachloride
Concen: 6.37 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

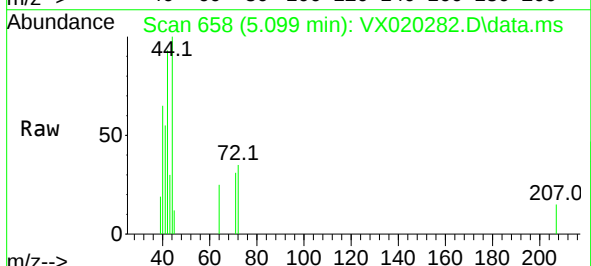
Instrument :
MSVOA_X
ClientSampleId :



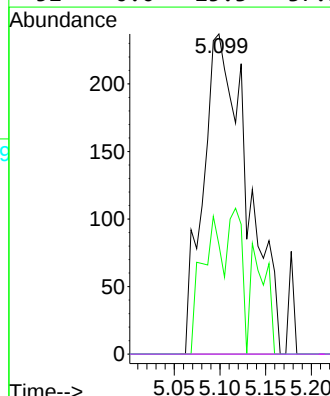
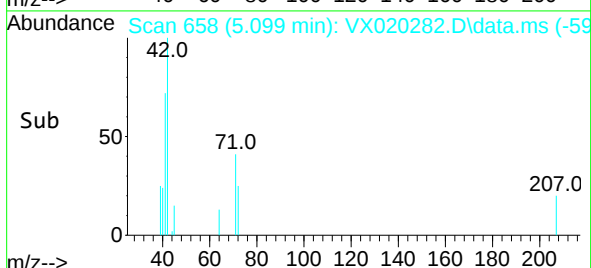
Tgt Ion:117 Resp: 26797
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

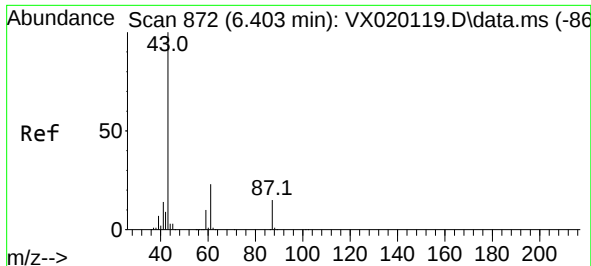


#41
Methacrylonitrile
Concen: 0.33 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.104 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30



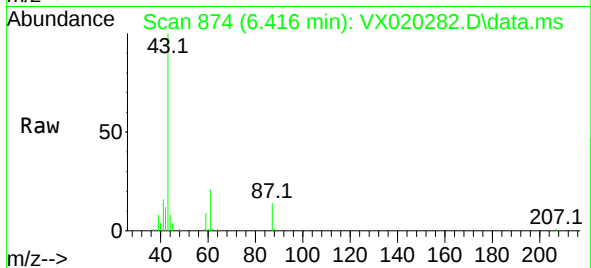
Tgt Ion: 41 Resp: 804
Ion Ratio Lower Upper
41 100
39 20.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



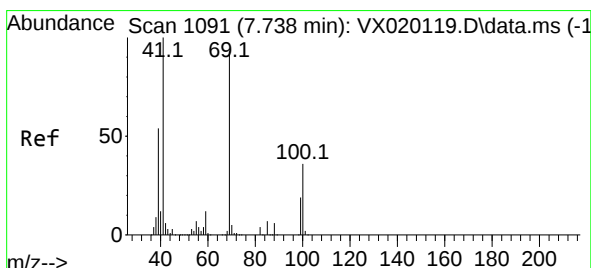
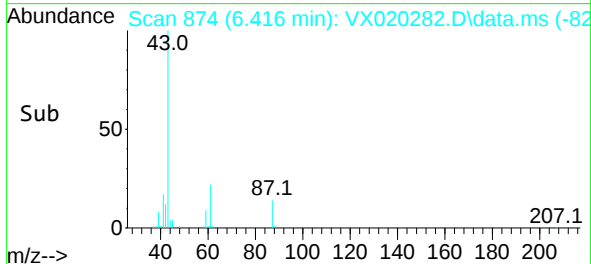
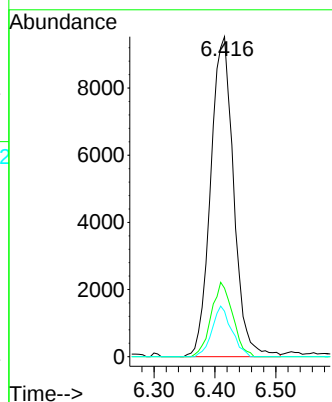


#43
Isopropyl Acetate
Concen: 3.45 ug/l
RT: 6.416 min Scan# 874
Delta R.T. 0.013 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Instrument :
MSVOA_X
ClientSampled :

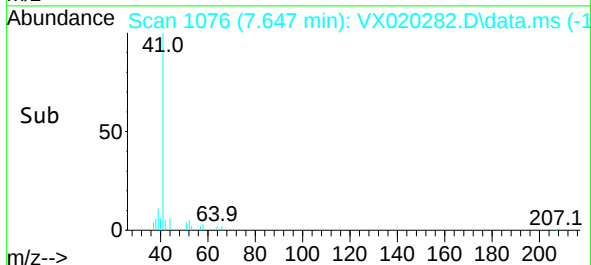
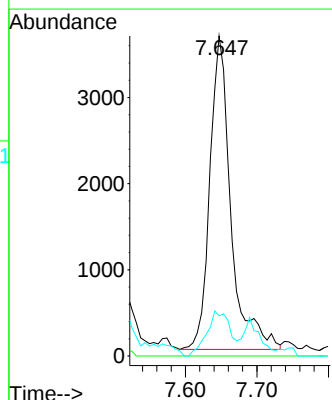
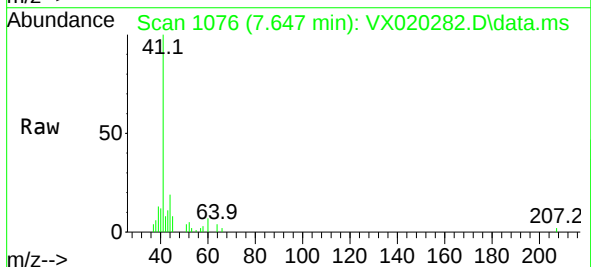


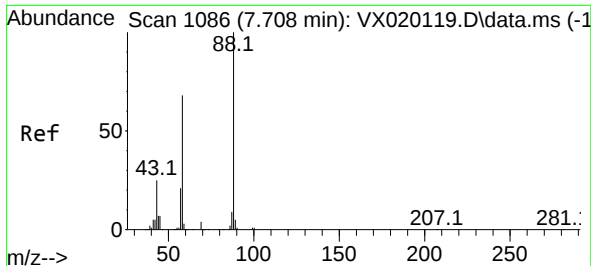
Tgt Ion: 43 Resp: 25005
Ion Ratio Lower Upper
43 100
61 21.6 18.2 27.4
87 13.4 12.5 18.7



#48
Methyl methacrylate
Concen: 2.09 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 41 Resp: 7434
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

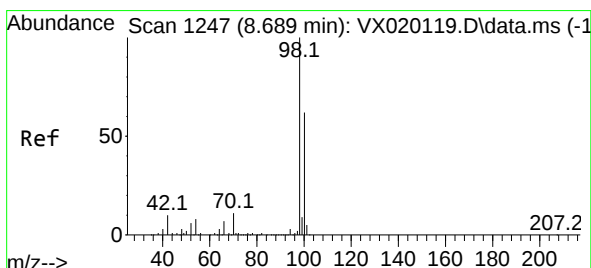
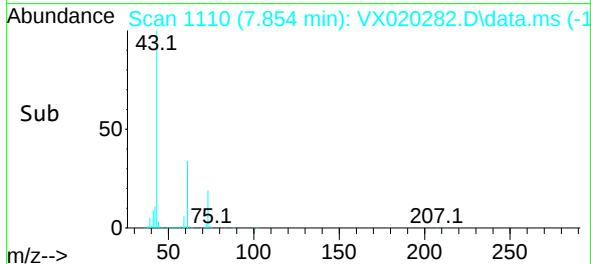
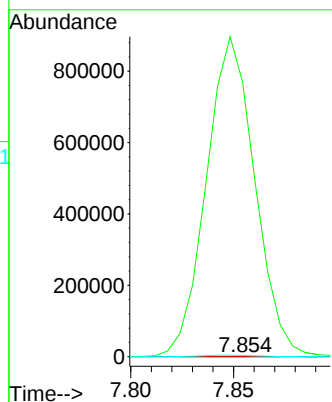
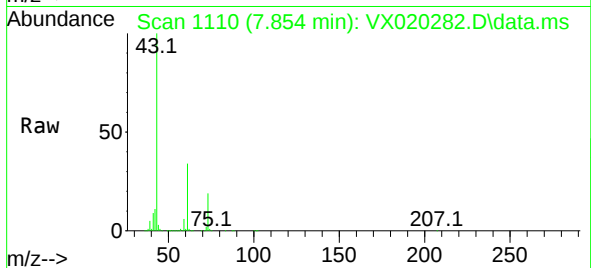




#49
1,4-Dioxane
Concen: 2.69 ug/l
RT: 7.854 min Scan# 1110
Delta R.T. 0.146 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

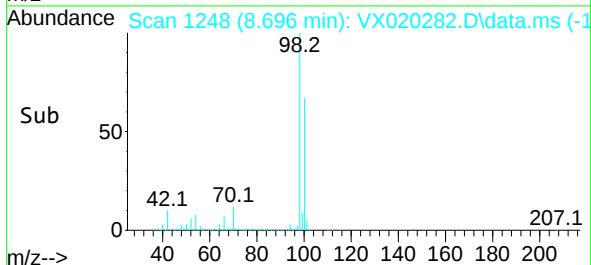
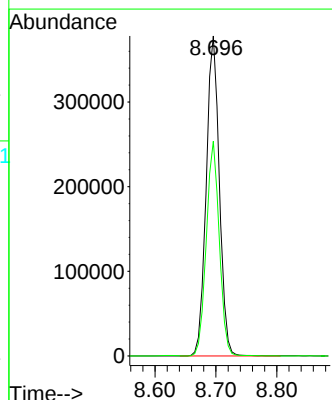
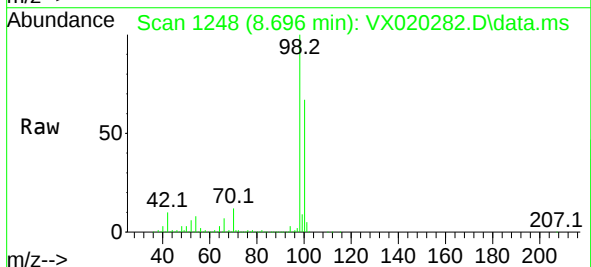
Instrument :
MSVOA_X
ClientSampled :

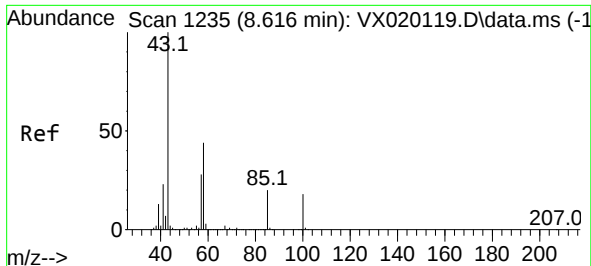
Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 660475.9 23.2 34.8#
58 3562.5 55.0 82.4#



#50
Toluene-d8
Concen: 51.45 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 98 Resp: 566981
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9

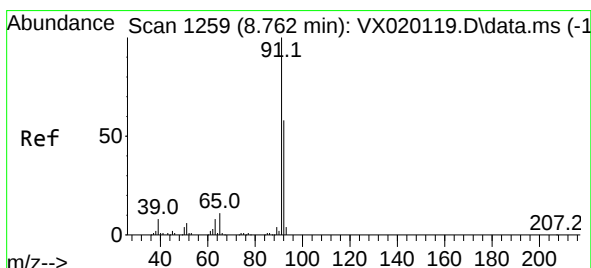
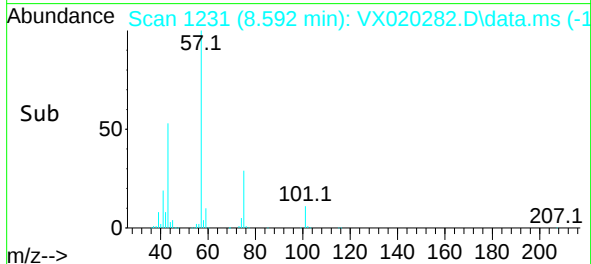
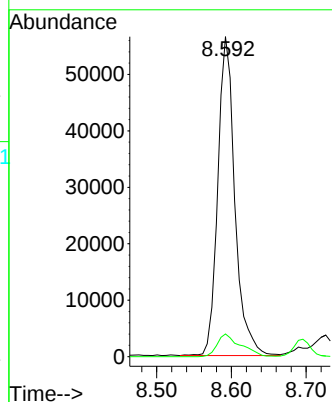
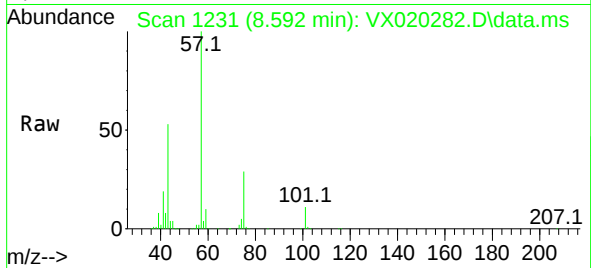




#51
4-Methyl-2-Pentanone
Concen: 19.97 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

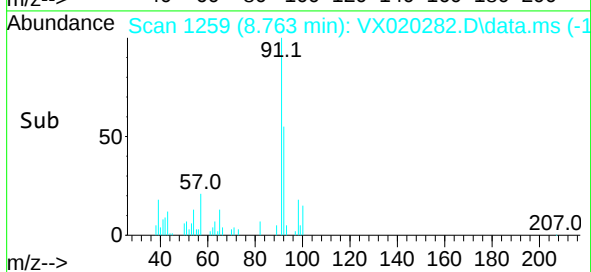
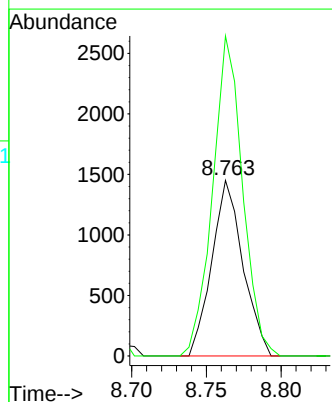
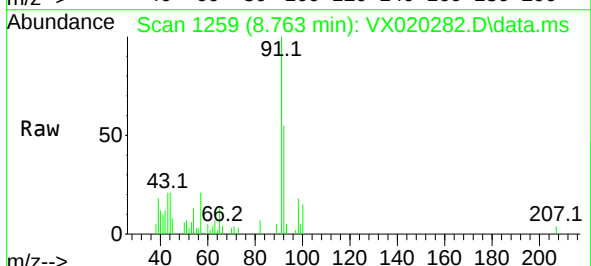
Instrument :
MSVOA_X
ClientSampled :

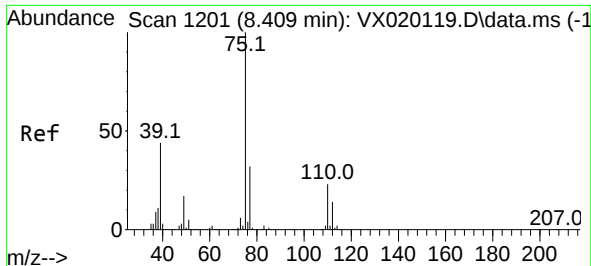
Tgt Ion: 43 Resp: 89701
Ion Ratio Lower Upper
43 100
58 9.8 35.4 53.0#



#52
Toluene
Concen: 0.25 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 92 Resp: 2097
Ion Ratio Lower Upper
92 100
91 175.3 137.1 205.7

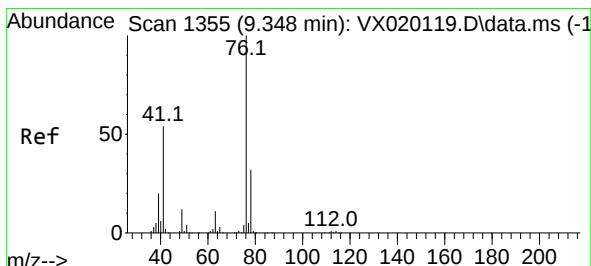
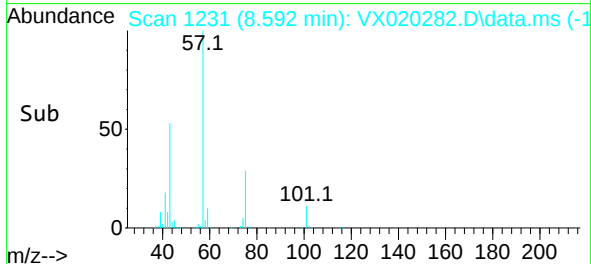
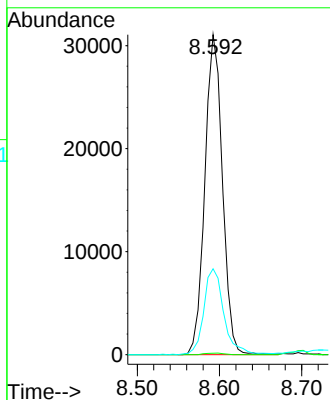
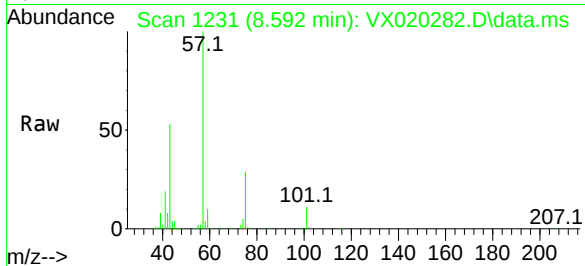




#54
cis-1,3-Dichloropropene
Concen: 8.43 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

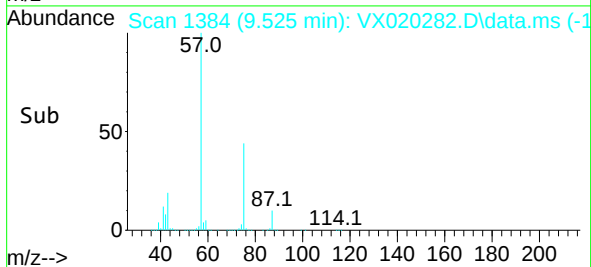
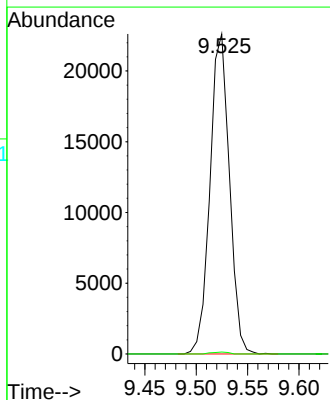
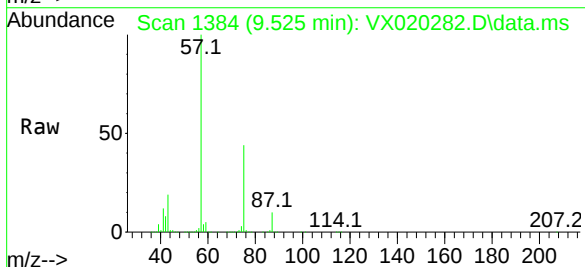
Instrument :
MSVOA_X
ClientSampled :

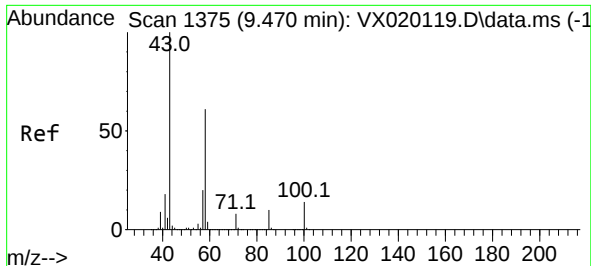
Tgt Ion: 75 Resp: 46172
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 26.8 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.02 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 76 Resp: 29634
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

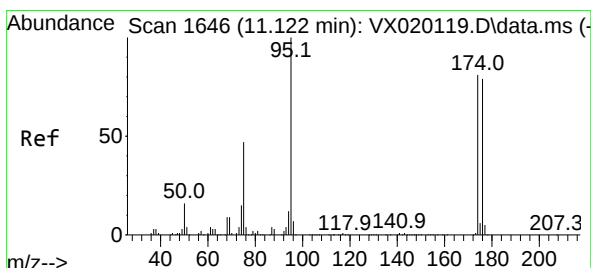
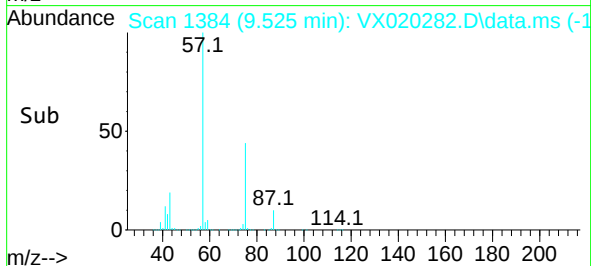
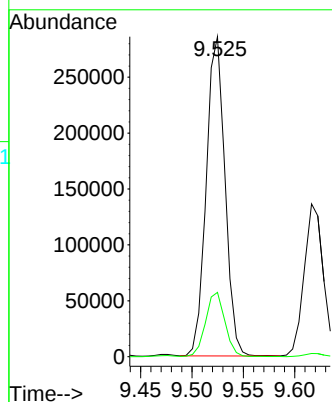
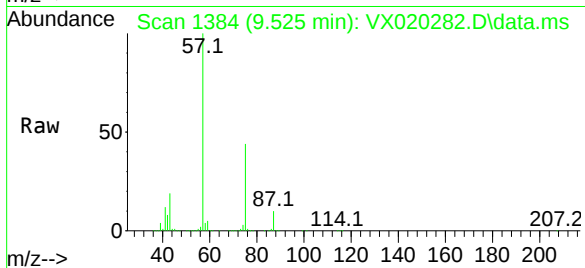




#59
2-Hexanone
Concen: 106.22 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

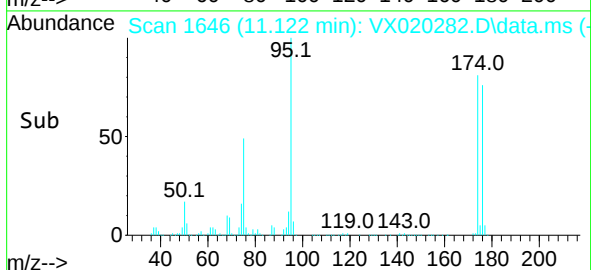
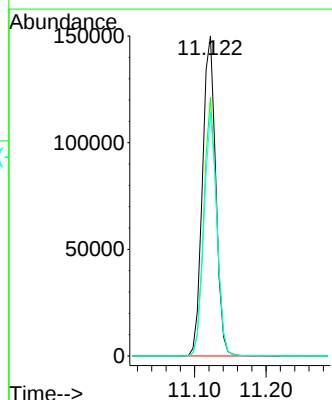
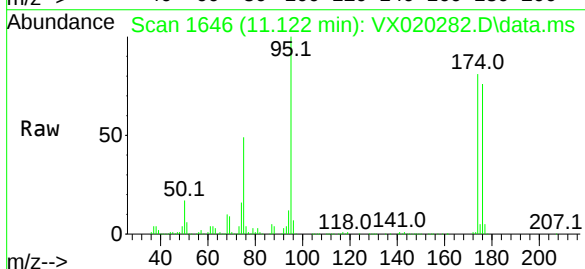
Instrument :
MSVOA_X
ClientSampled :

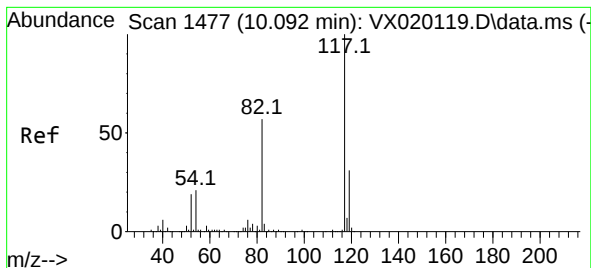
Tgt Ion: 43 Resp: 363626
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.84 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 95 Resp: 193348
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 74.4 0.0 155.8

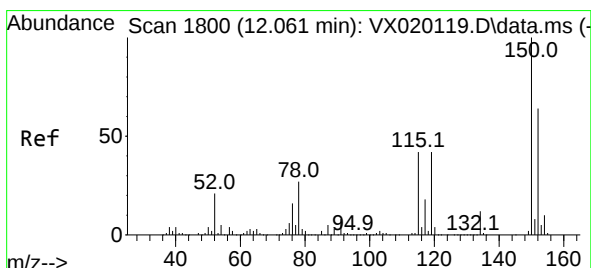
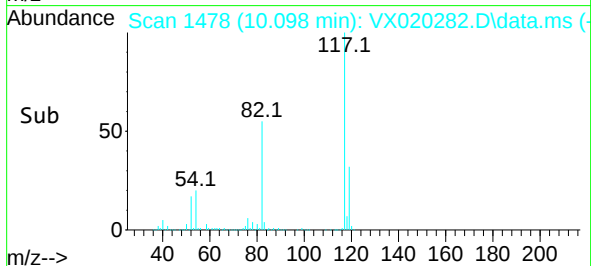
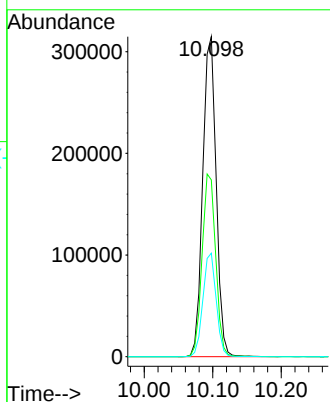
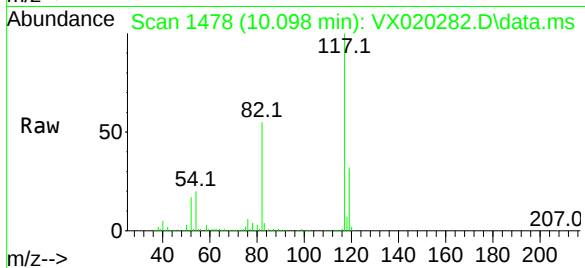




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

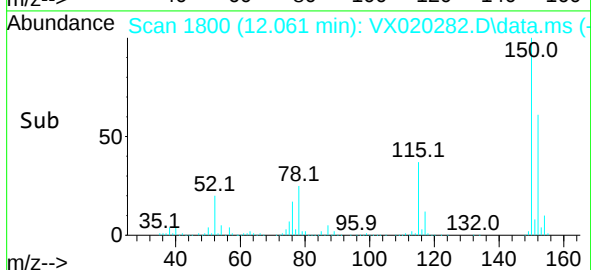
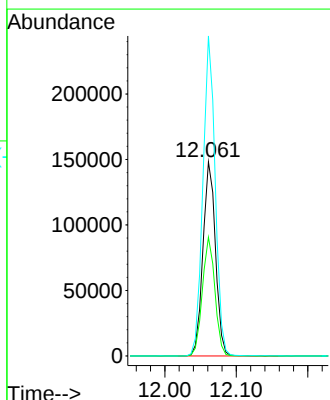
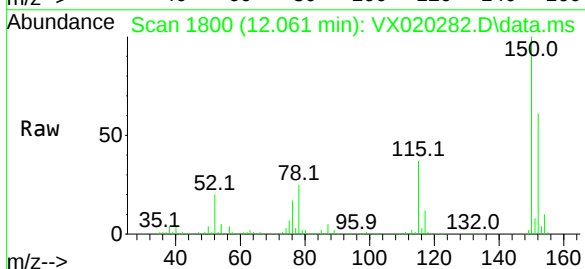
Instrument :
MSVOA_X
ClientSampleId :

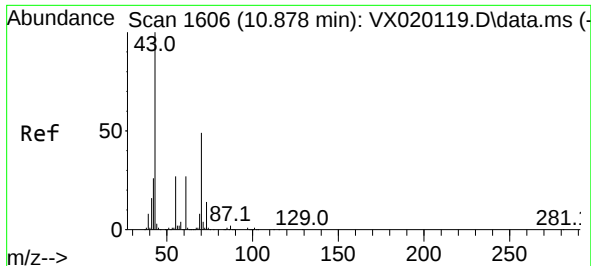
Tgt Ion:117 Resp: 430137
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion:152 Resp: 180766
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 161.4 0.0 349.0

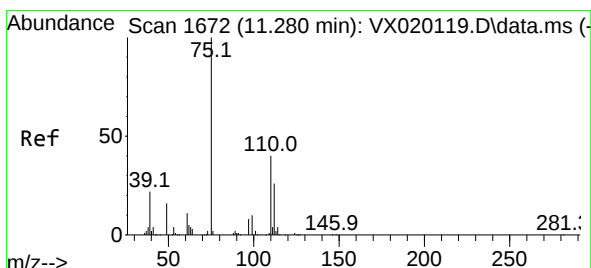
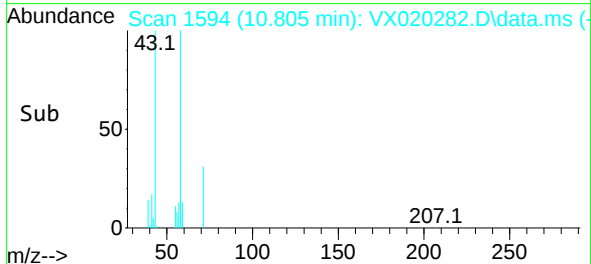
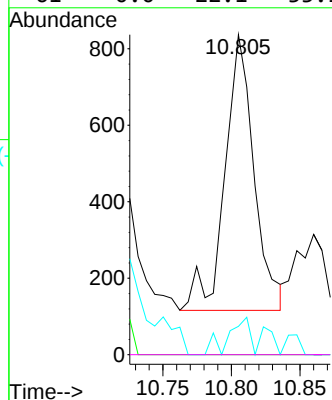
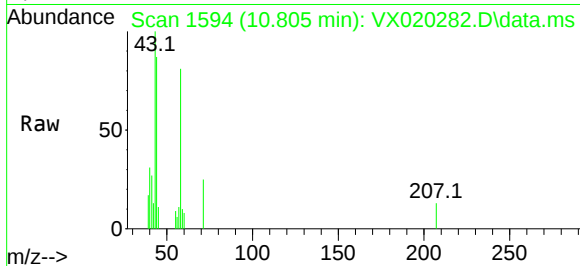




#74
N-amy1 acetate
Concen: 0.20 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

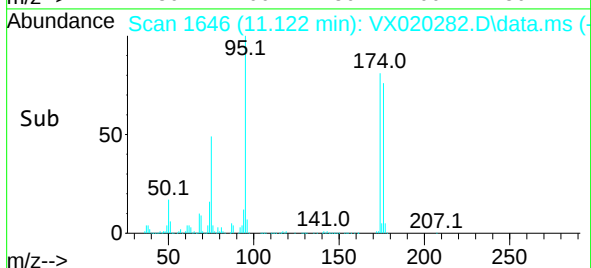
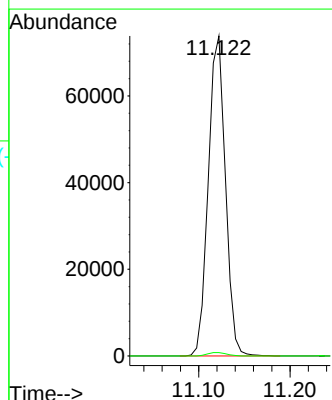
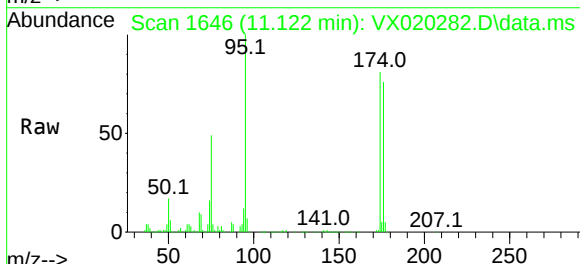
Instrument :
MSVOA_X
ClientSampled :

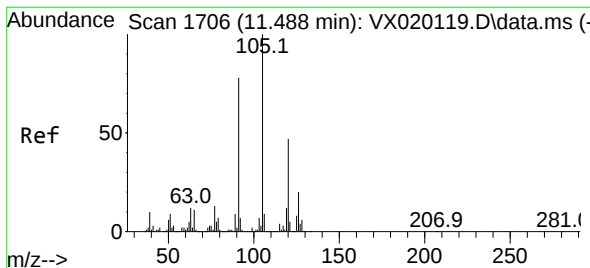
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 10.0 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.53 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 75 Resp: 95850
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

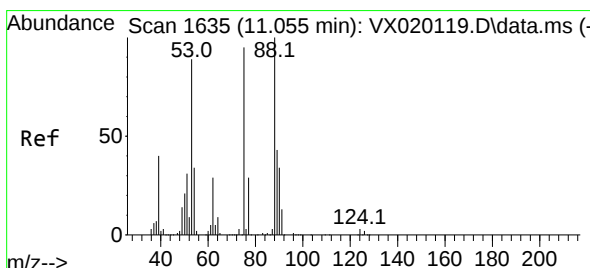
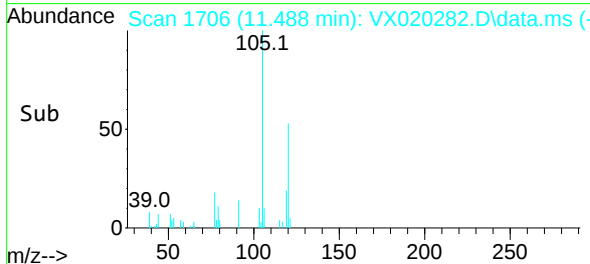
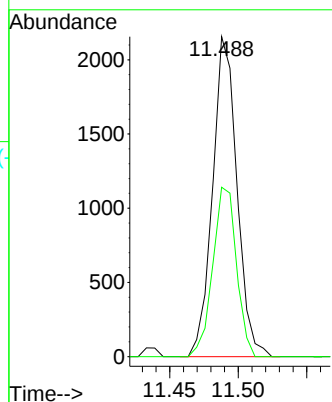
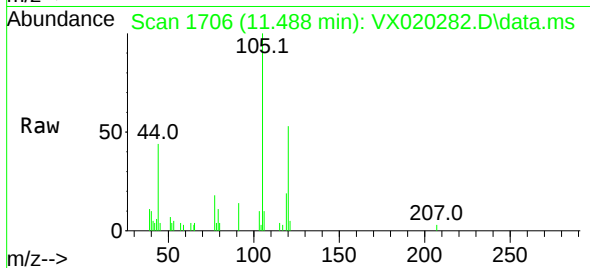




#80
1,3,5-Trimethylbenzene
Concen: 0.24 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2666
Ion Ratio Lower Upper
105 100
120 51.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 63.86 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020282.D
Acq: 22 Dec 2020 04:30

Tgt Ion: 75 Resp: 95850
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

