

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020273.D
 Acq On : 22 Dec 2020 00:59
 Operator : JC/MD
 Sample : PB133709ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 05:16:14 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

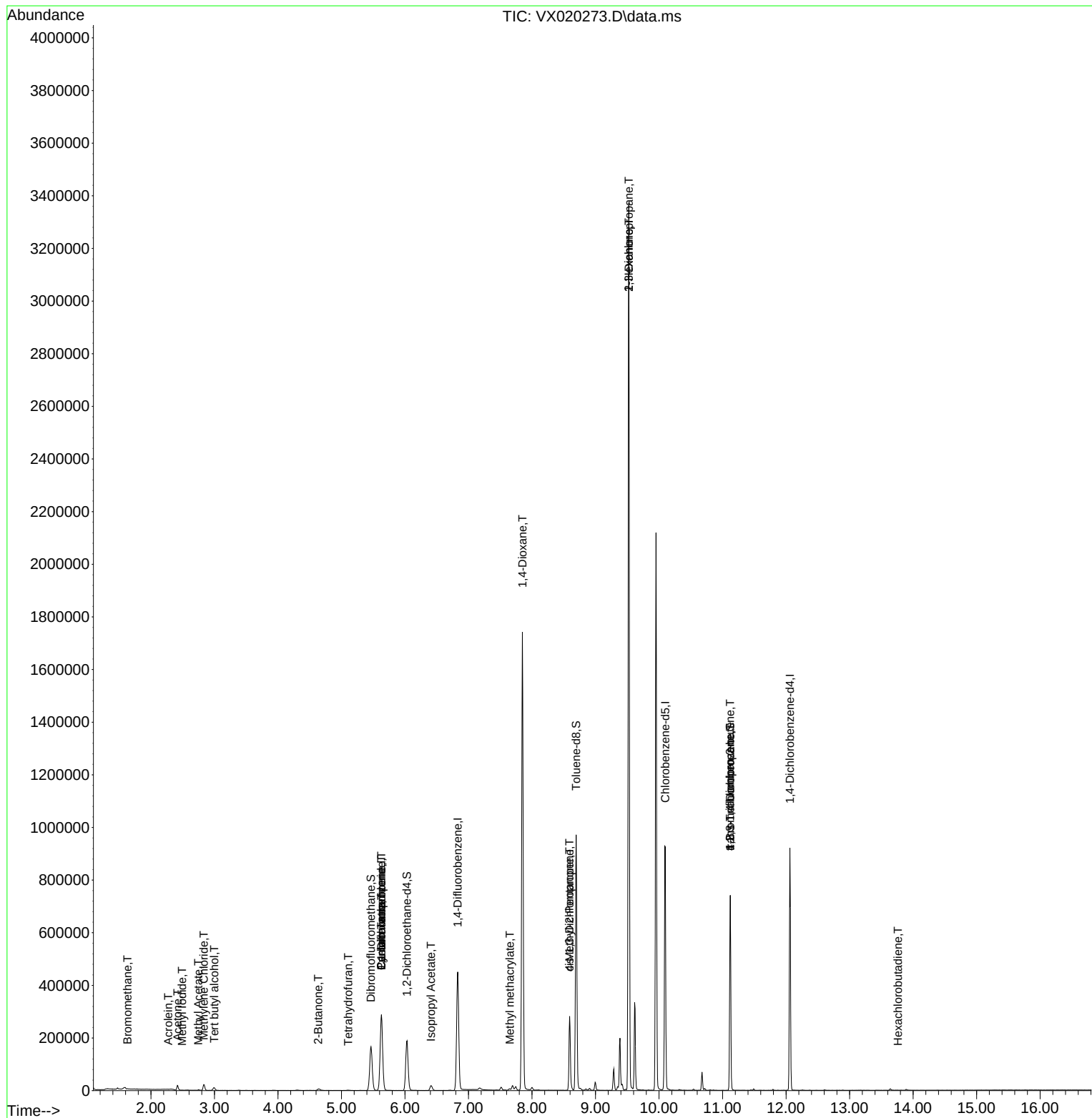
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	270008	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	453540	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	440162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	183524	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	181056	50.03	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.06%	
35) Dibromofluoromethane	5.464	113	146103	50.36	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.72%	
50) Toluene-d8	8.695	98	568703	50.92	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.84%	
62) 4-Bromofluorobenzene	11.122	95	199835	46.75	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.50%	
Target Compounds						Qvalue
5) Bromomethane	1.629	94	752	0.63	ug/l	96
10) Methyl Iodide	2.489	142	123	3.32	ug/l #	62
11) Tert butyl alcohol	2.995	59	6834	8.43	ug/l #	77
13) Acrolein	2.270	56	172	0.34	ug/l #	59
16) Acetone	2.416	43	17981	10.89	ug/l	100
18) Methyl Acetate	2.745	43	3575	0.97	ug/l #	86
20) Methylene Chloride	2.830	84	10455	2.81	ug/l	99
25) 2-Butanone	4.635	43	7020	2.92	ug/l	92
29) Tetrahydrofuran	5.104	42	1069	0.71	ug/l #	74
31) Cyclohexane	5.629	56	5385	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20649	4.61	ug/l #	49
38) Carbon Tetrachloride	5.629	117	26483	6.21	ug/l #	17
43) Isopropyl Acetate	6.409	43	24732	3.36	ug/l	96
48) Methyl methacrylate	7.653	41	7620	2.11	ug/l #	10
49) 1,4-Dioxane	7.848	88	237	2.81	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	89168	19.59	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	46011	8.28	ug/l #	61
57) 1,3-Dichloropropane	9.524	76	29521	4.94	ug/l #	43
59) 2-Hexanone	9.524	43	360320	103.86	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	97543	21.58	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	97543	64.01	ug/l #	12
94) Hexachlorobutadiene	13.761	225	20	2.65	ug/l #	19

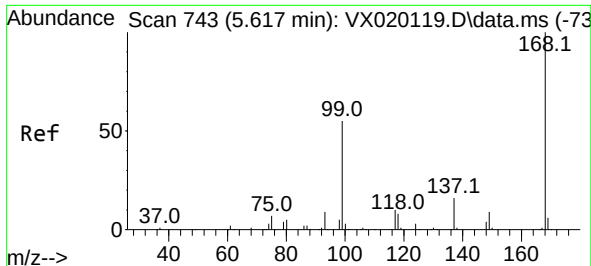
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 05:16:14 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

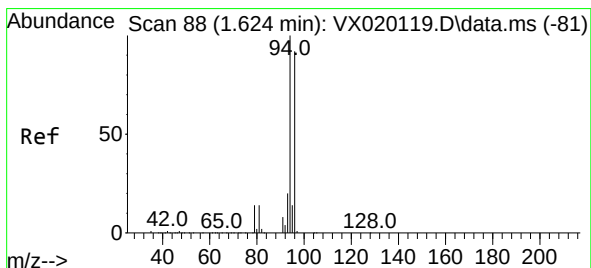
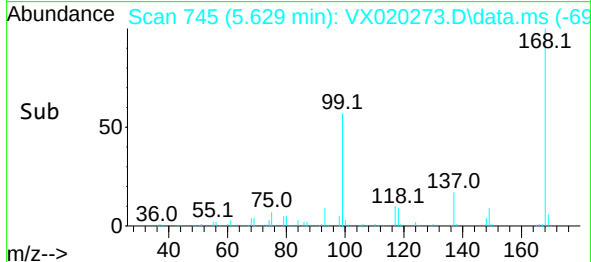
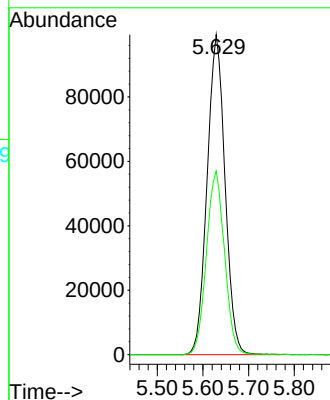
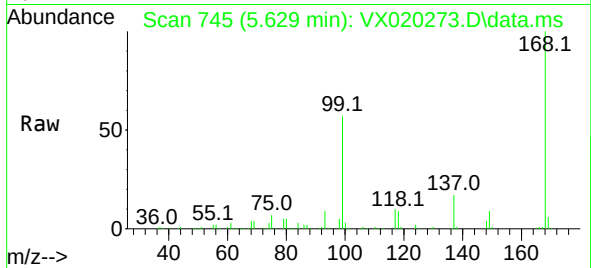




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

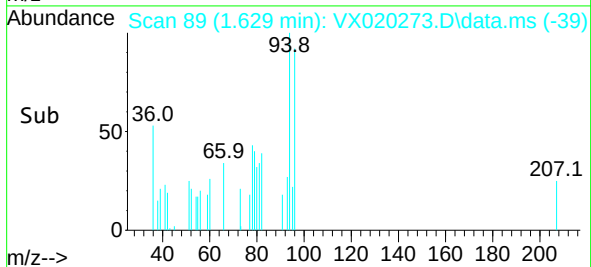
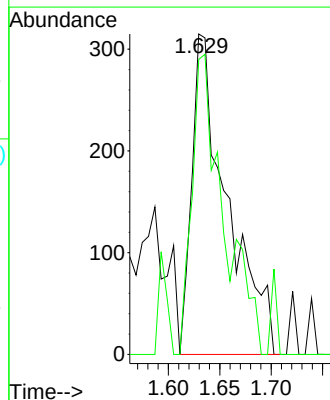
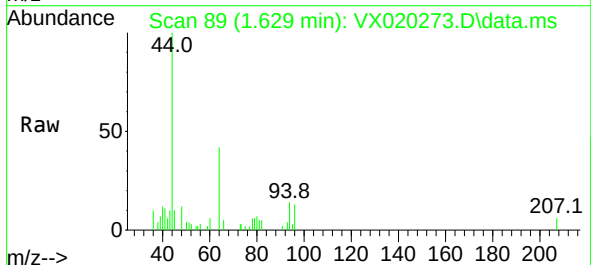
Instrument :
MSVOA_X
ClientSampleId :

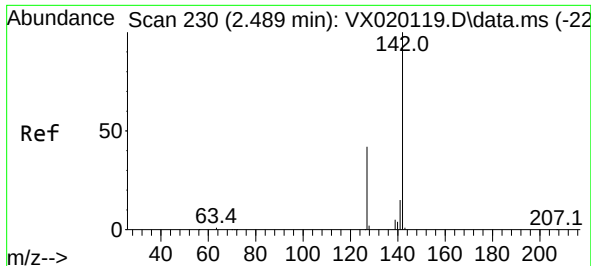
Tgt Ion:168 Resp: 270008
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#5
Bromomethane
Concen: 0.63 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.005 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

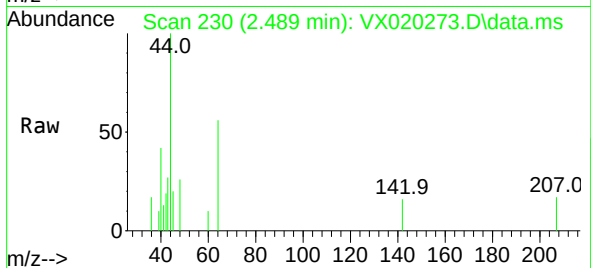
Tgt Ion: 94 Resp: 752
Ion Ratio Lower Upper
94 100
96 92.1 76.4 114.6



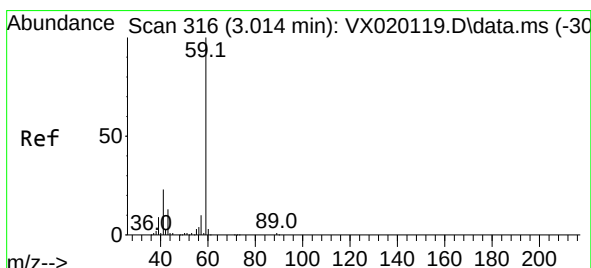
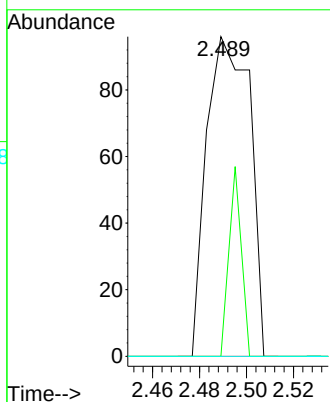
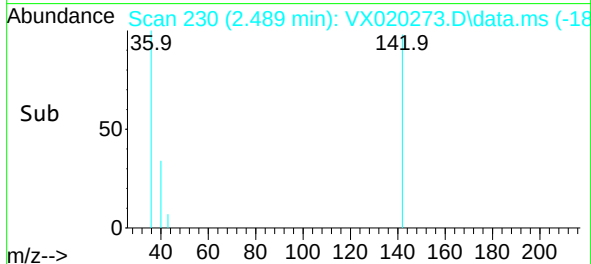


#10
Methyl Iodide
Concen: 3.32 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

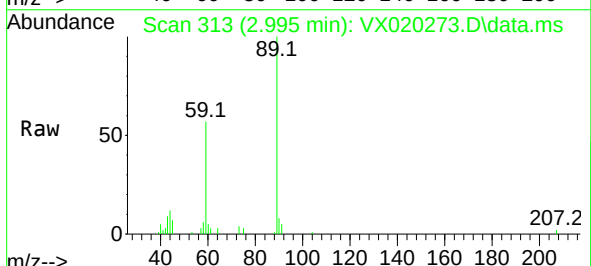
Instrument :
MSVOA_X
ClientSampled :



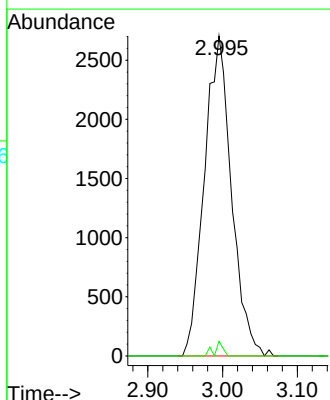
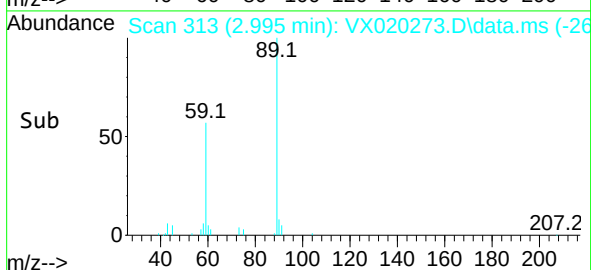
Tgt Ion:142 Resp: 123
Ion Ratio Lower Upper
142 100
127 17.1 33.3 49.9#
141 0.0 11.4 17.0#

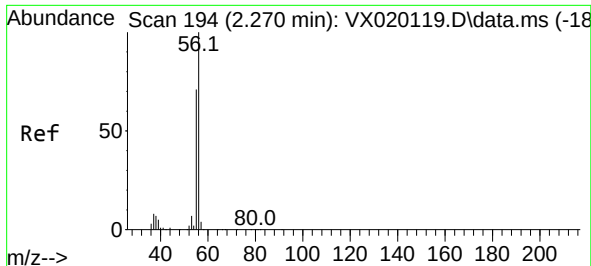


#11
Tert butyl alcohol
Concen: 8.43 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59



Tgt Ion: 59 Resp: 6834
Ion Ratio Lower Upper
59 100
57 1.4 7.8 11.8#

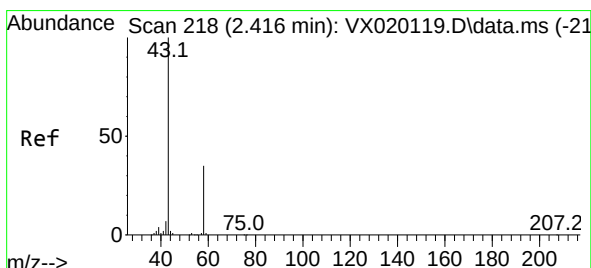
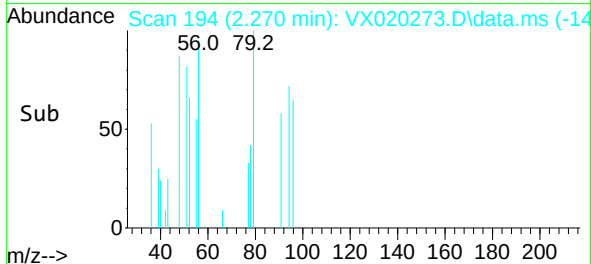
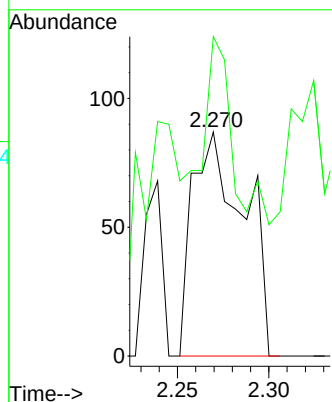
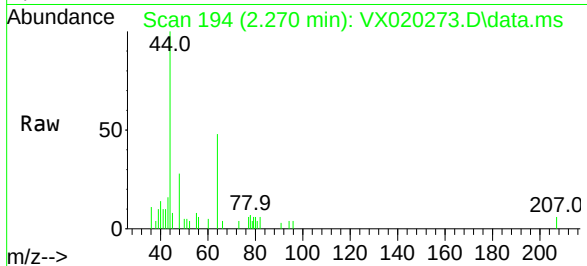




#13
Acrolein
Concen: 0.34 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

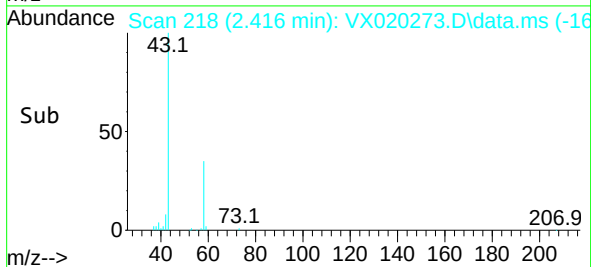
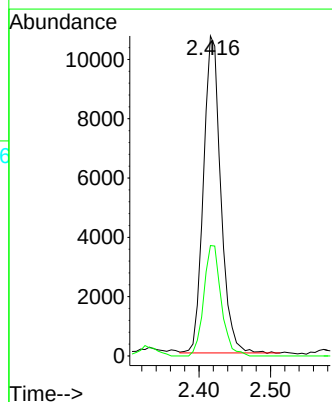
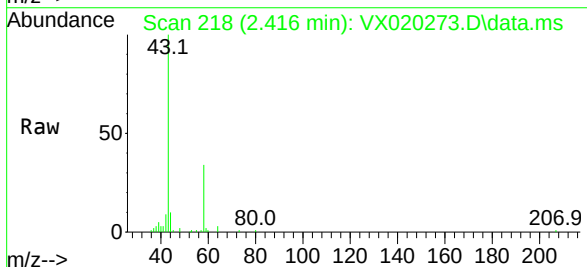
Instrument :
MSVOA_X
ClientSampled :

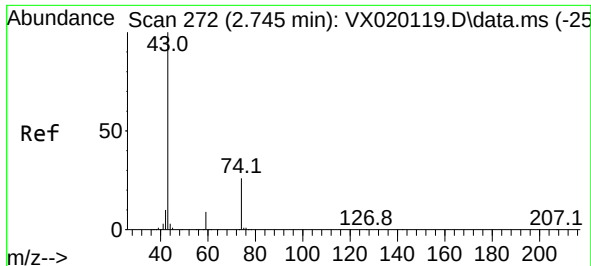
Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 36.6 56.4 84.6#



#16
Acetone
Concen: 10.89 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion: 43 Resp: 17981
Ion Ratio Lower Upper
43 100
58 34.8 27.8 41.8

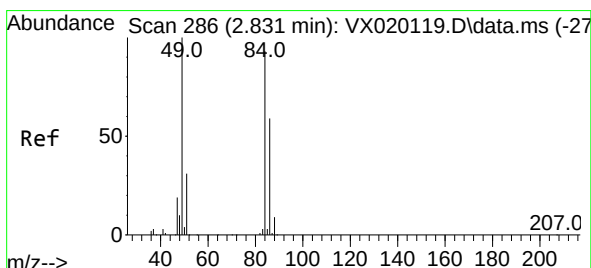
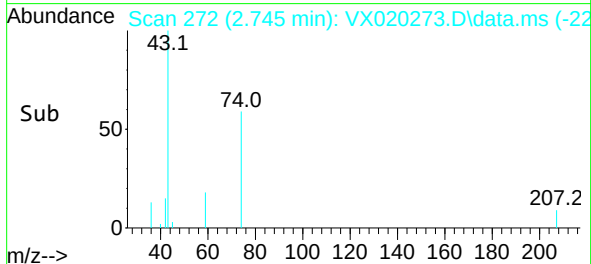
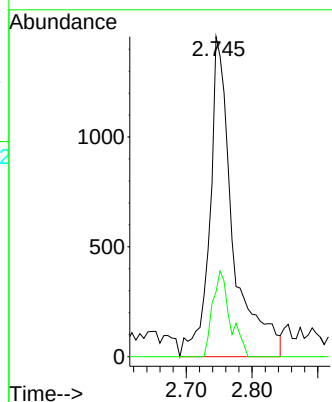
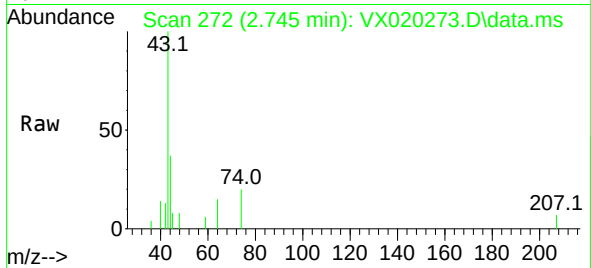




#18
Methyl Acetate
Concen: 0.97 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

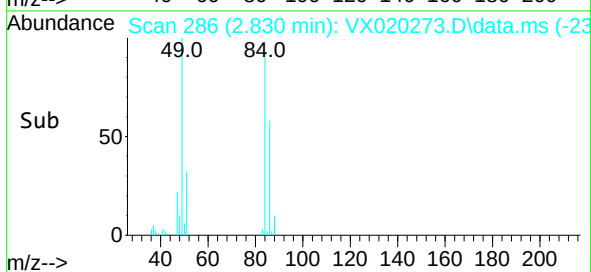
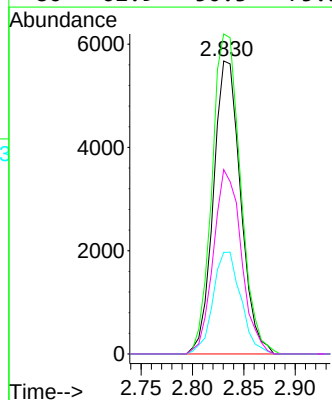
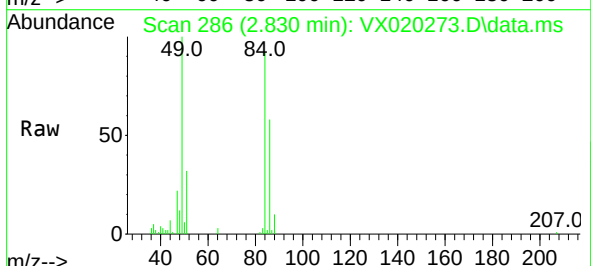
Instrument :
MSVOA_X
ClientSampled :

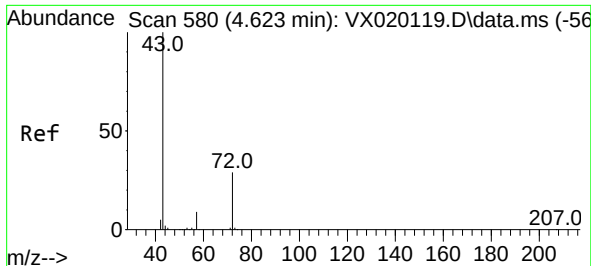
Tgt Ion: 43 Resp: 3575
Ion Ratio Lower Upper
43 100
74 20.1 21.9 32.9#



#20
Methylene Chloride
Concen: 2.81 ug/l
RT: 2.830 min Scan# 286
Delta R.T. -0.001 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion: 84 Resp: 10455
Ion Ratio Lower Upper
84 100
49 109.2 88.6 132.8
51 34.7 27.0 40.6
86 62.9 50.3 75.5

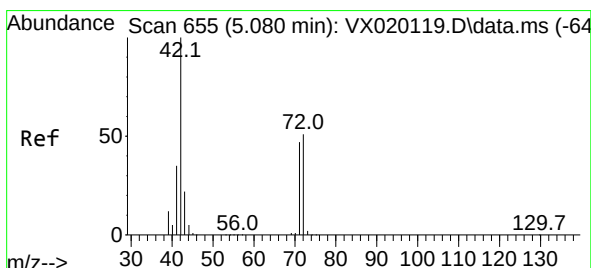
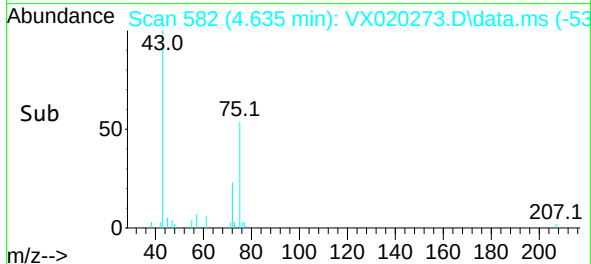
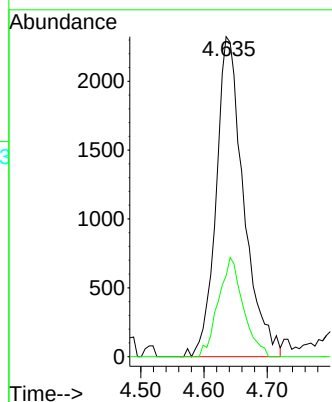
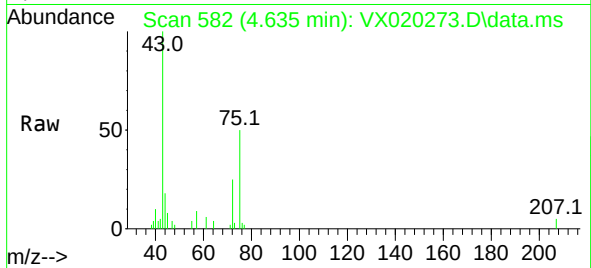




#25
2-Butanone
Concen: 2.92 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

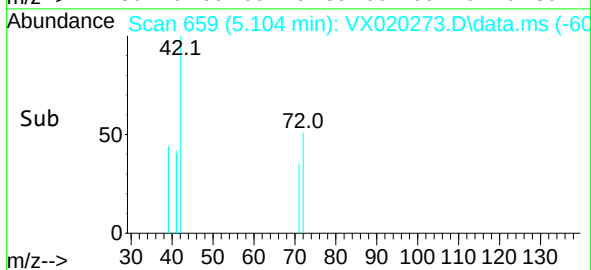
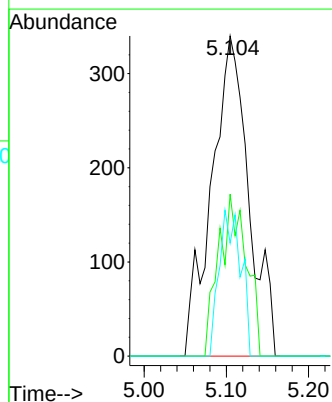
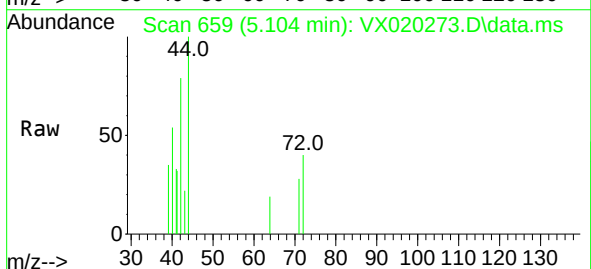
Instrument :
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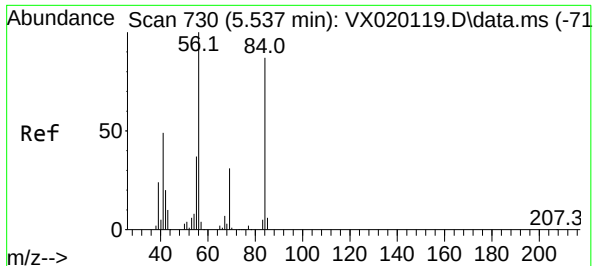
Tgt Ion: 43 Resp: 7020
Ion Ratio Lower Upper
43 100
72 25.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.71 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.024 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

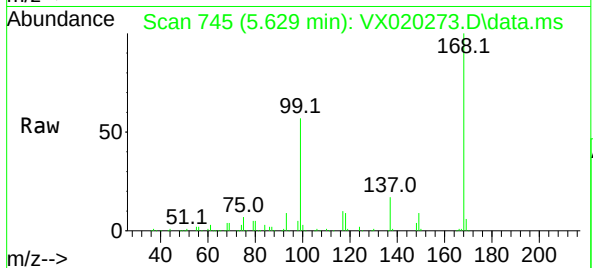
Tgt Ion: 42 Resp: 1069
Ion Ratio Lower Upper
42 100
72 37.7 41.7 62.5#
71 26.5 38.4 57.6#



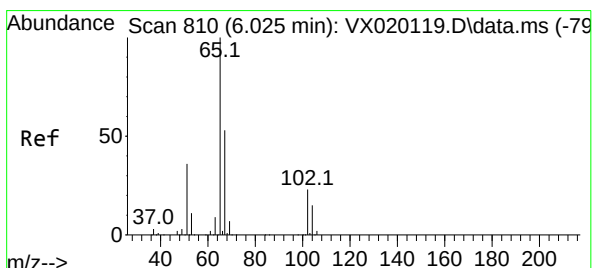
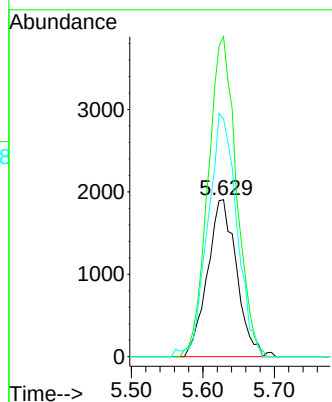
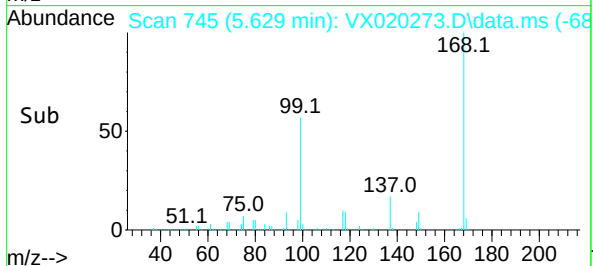


#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

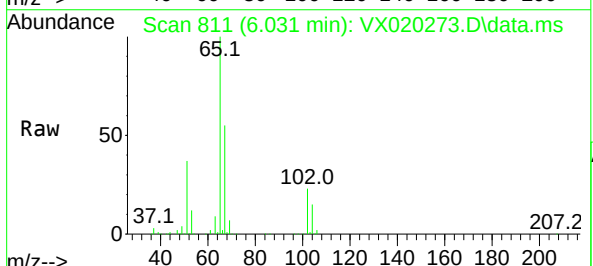
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MSVOA_X
ClientSampleId :



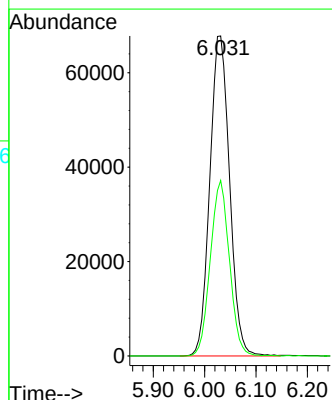
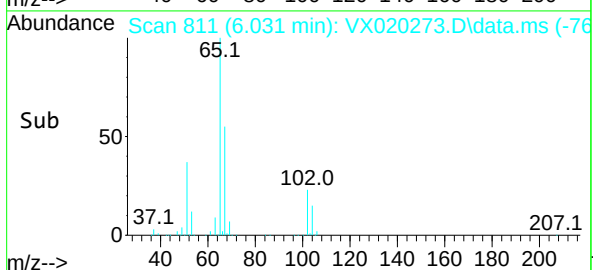
Tgt Ion: 56 Resp: 5385
Ion Ratio Lower Upper
56 100
69 203.8 25.3 37.9#
84 151.5 71.4 107.0#

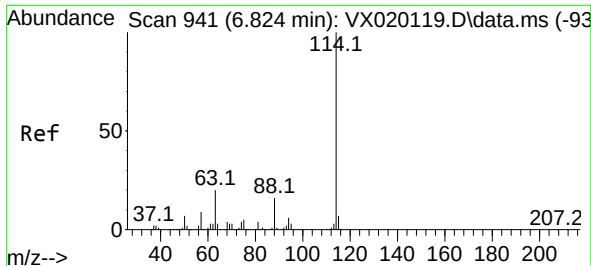


#33
1,2-Dichloroethane-d4
Concen: 50.03 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59



Tgt Ion: 65 Resp: 181056
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

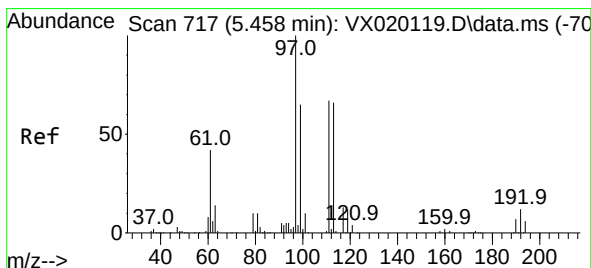
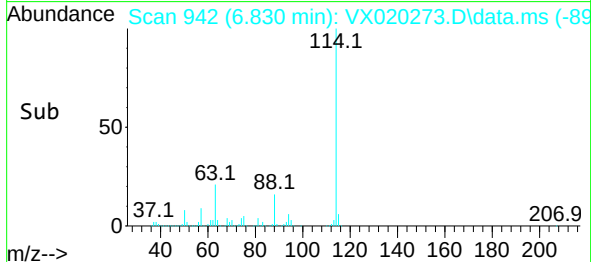
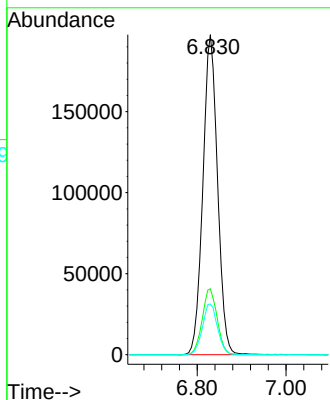
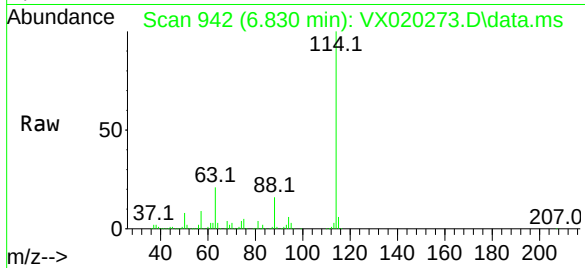




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

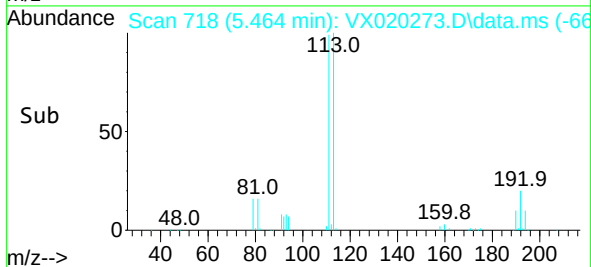
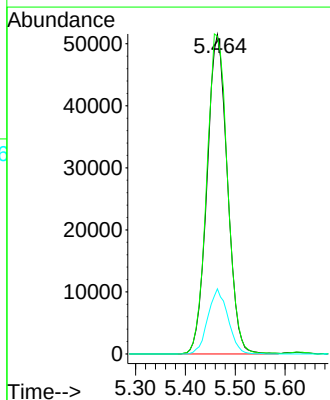
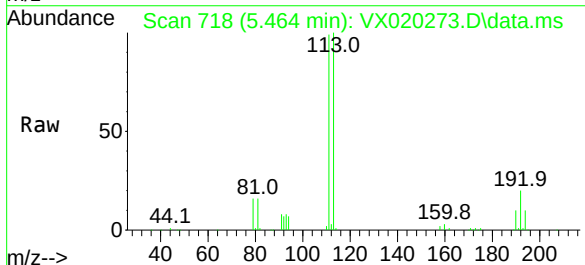
Instrument :
MSVOA_X
ClientSampleId :

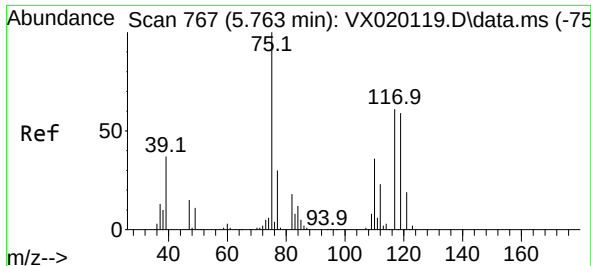
Tgt Ion:114 Resp: 453540
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.36 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion:113 Resp: 146103
Ion Ratio Lower Upper
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111 102.2 81.9 122.9
192 20.0 16.7 25.1

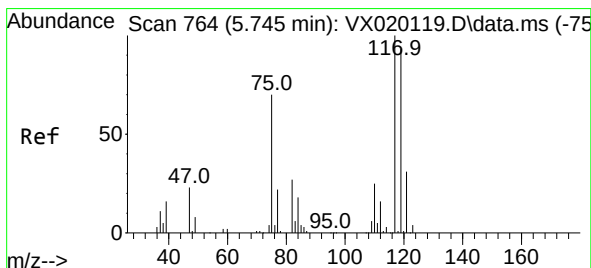
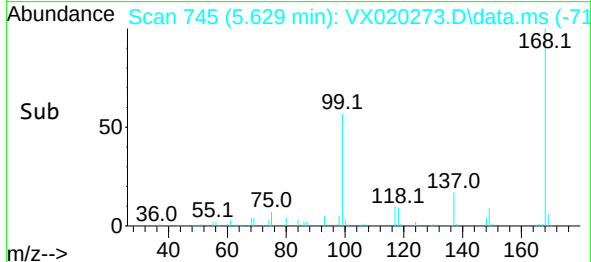
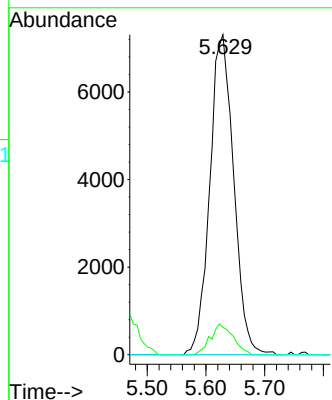
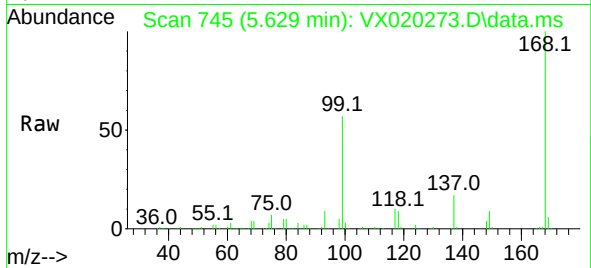




#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

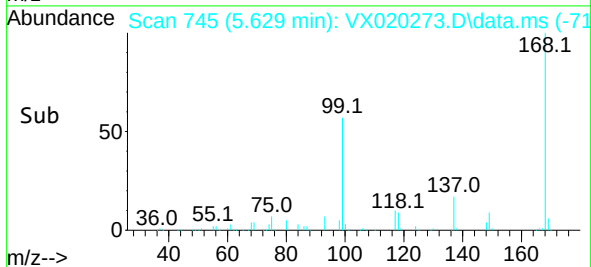
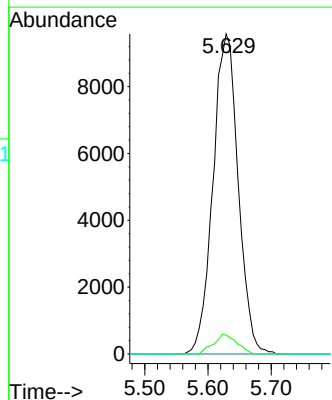
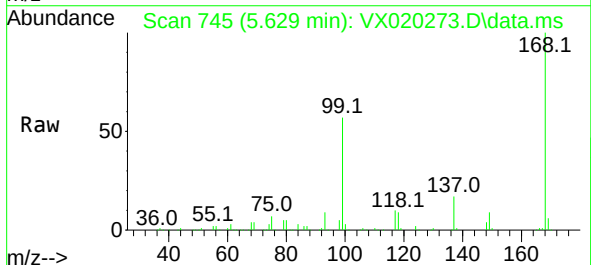
Instrument :
MSVOA_X
ClientSampleId :

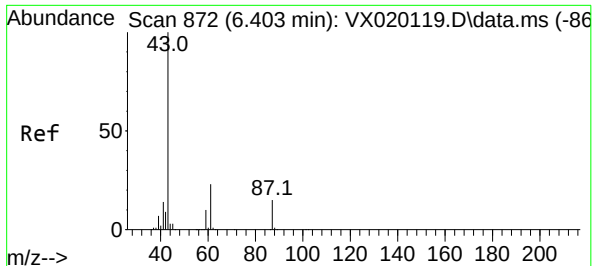
Tgt Ion: 75 Resp: 20649
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

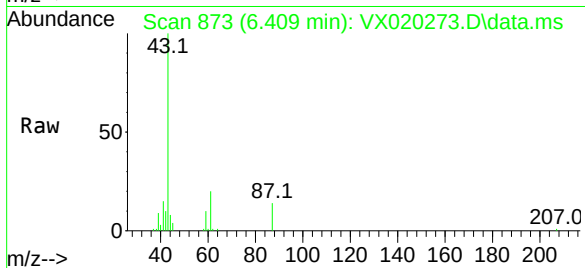
Tgt Ion: 117 Resp: 26483
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#



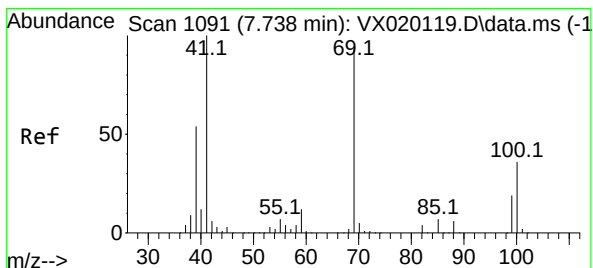
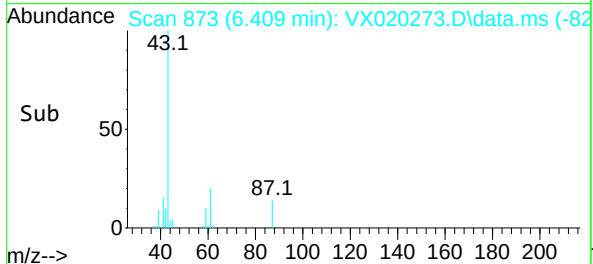
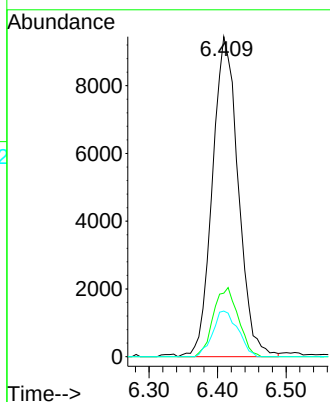


#43
Isopropyl Acetate
Concen: 3.36 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

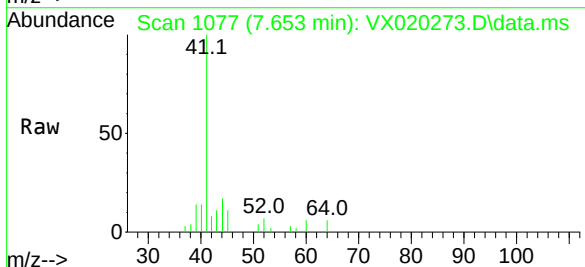
Instrument :
MSVOA_X
ClientSampleId :



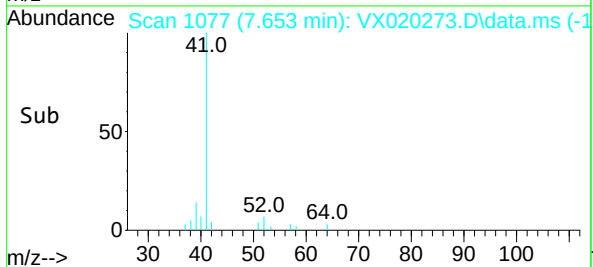
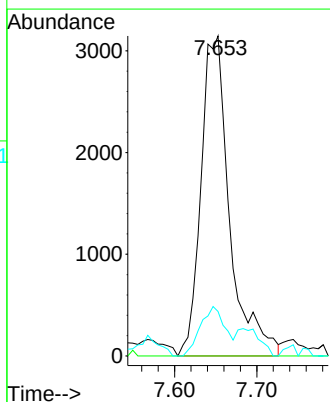
Tgt Ion: 43 Resp: 24732
Ion Ratio Lower Upper
43 100
61 20.8 18.2 27.4
87 13.9 12.5 18.7

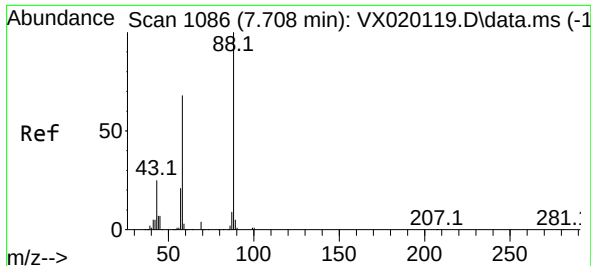


#48
Methyl methacrylate
Concen: 2.11 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.085 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59



Tgt Ion: 41 Resp: 7620
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

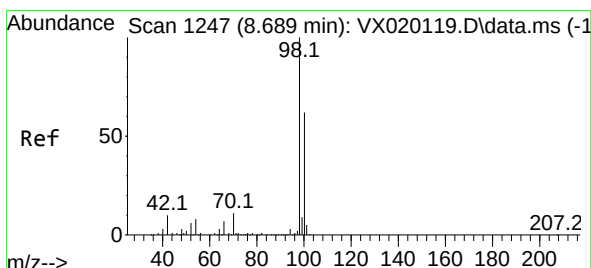
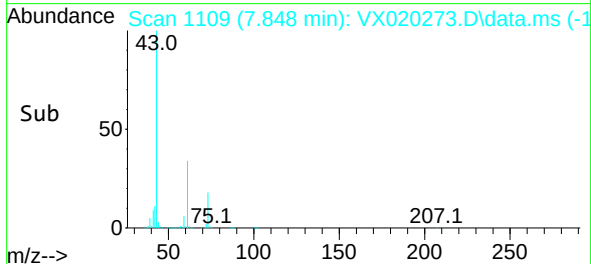
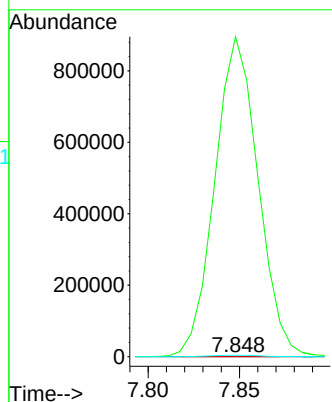
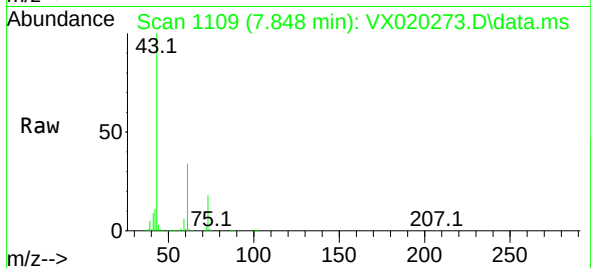




#49
1,4-Dioxane
Concen: 2.81 ug/l
RT: 7.848 min Scan# 1109
Delta R.T. 0.140 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

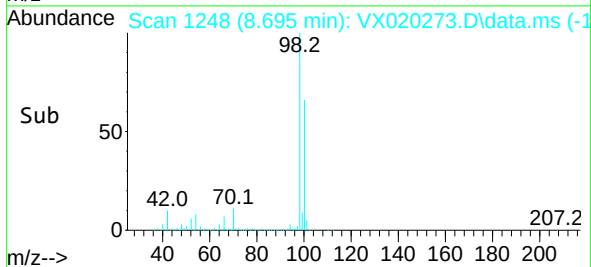
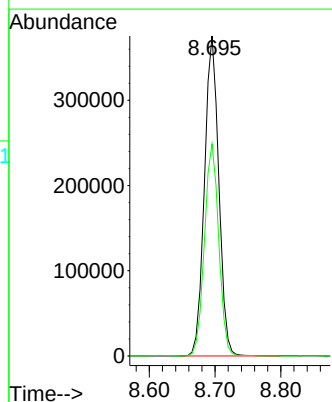
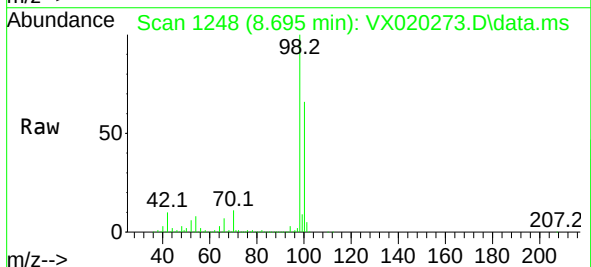
Instrument :
MSVOA_X
ClientSampled :

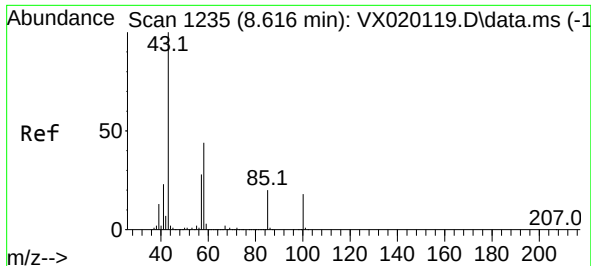
Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 625904.2 23.2 34.8#
58 3316.9 55.0 82.4#



#50
Toluene-d8
Concen: 50.92 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion: 98 Resp: 568703
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

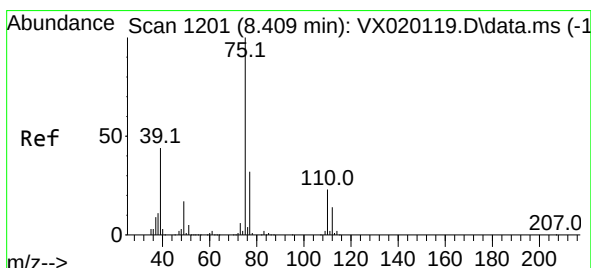
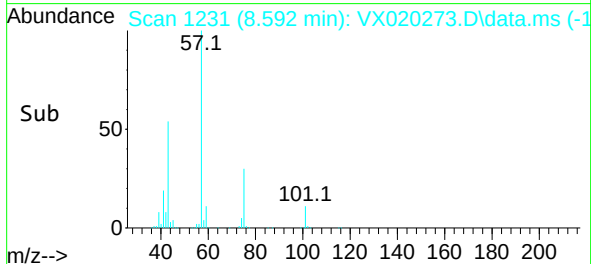
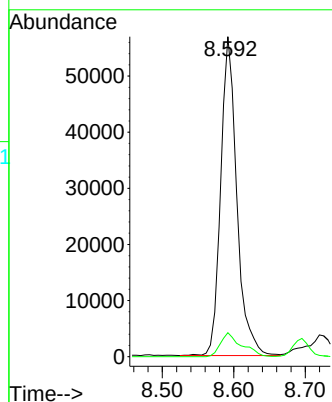
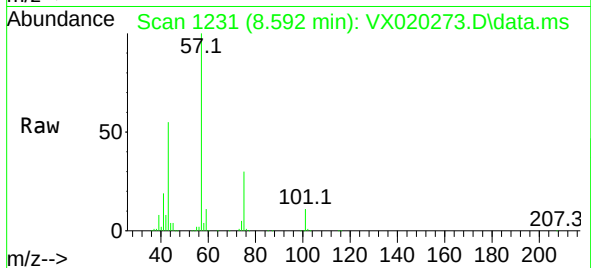




#51
4-Methyl-2-Pentanone
Concen: 19.59 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

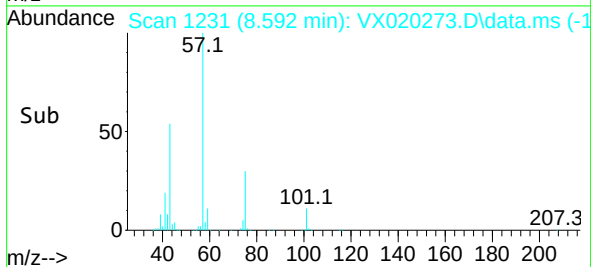
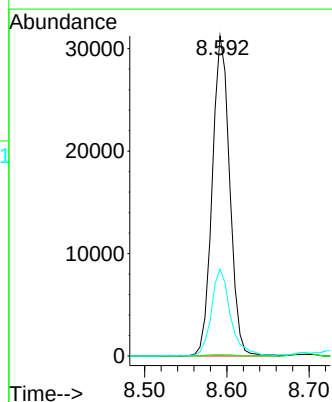
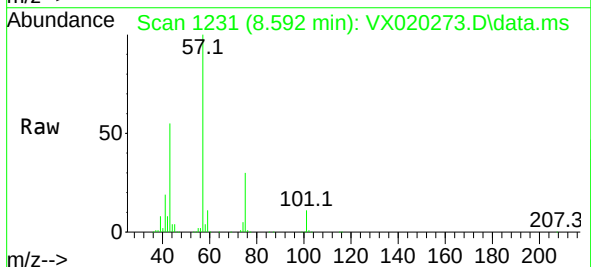
Instrument :
MSVOA_X
ClientSampled :

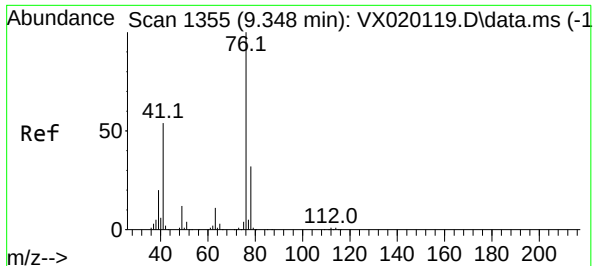
Tgt Ion: 43 Resp: 89168
Ion Ratio Lower Upper
43 100
58 9.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 8.28 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion: 75 Resp: 46011
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 26.8 35.1 52.7#

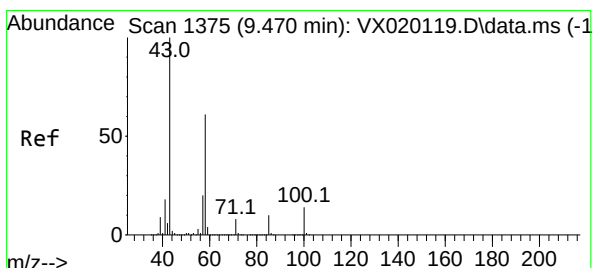
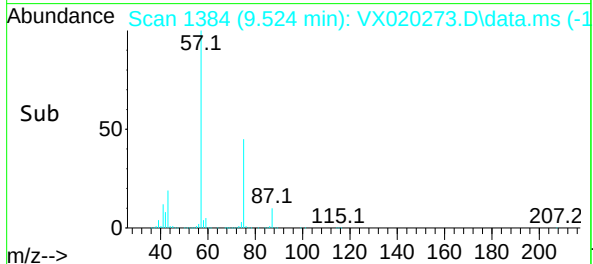
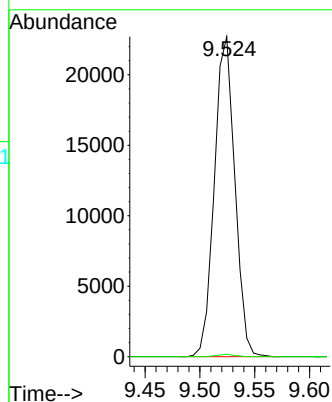
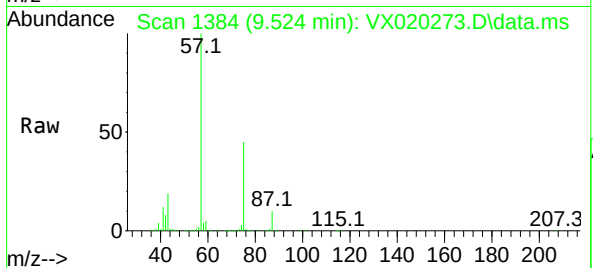




#57
1,3-Dichloropropane
Concen: 4.94 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.176 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

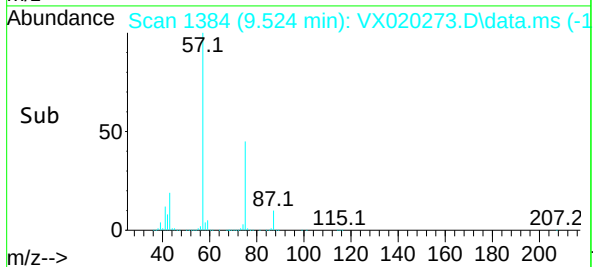
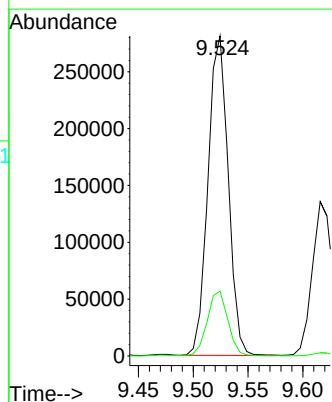
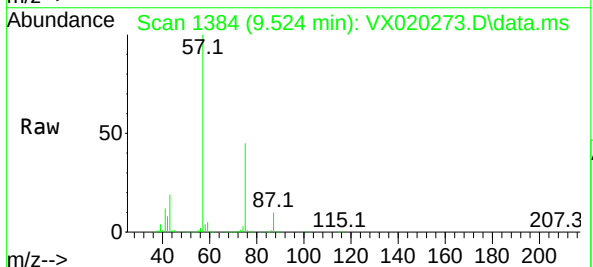
Instrument :
MSVOA_X
ClientSampled :

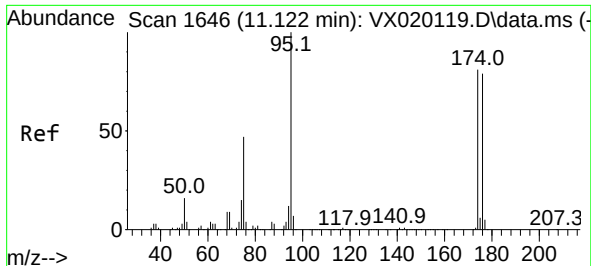
Tgt Ion: 76 Resp: 29521
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#



#59
2-Hexanone
Concen: 103.86 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.054 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion: 43 Resp: 360320
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#

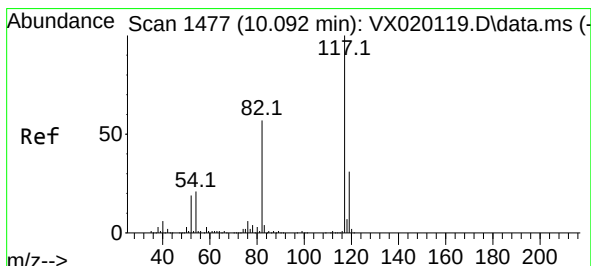
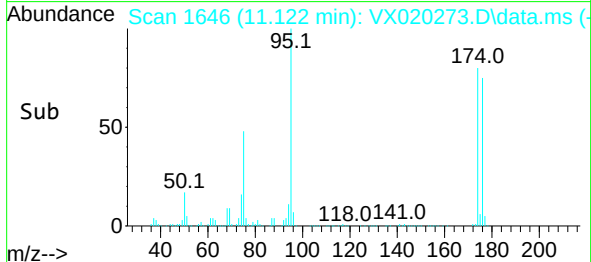
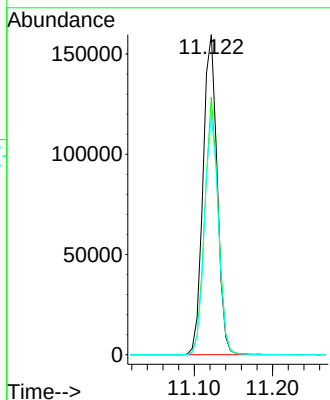
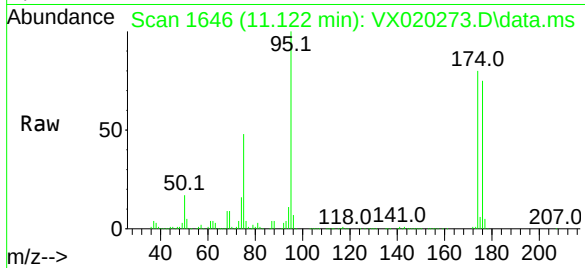




#62
4-Bromofluorobenzene
Concen: 46.75 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

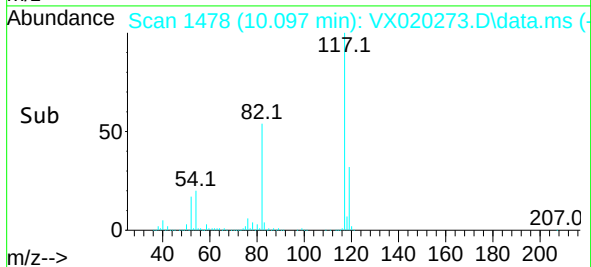
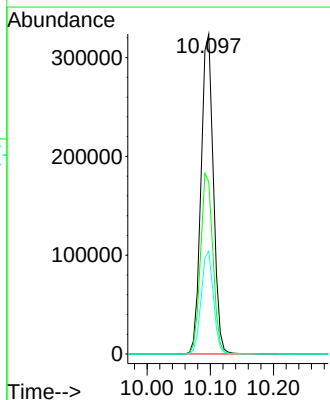
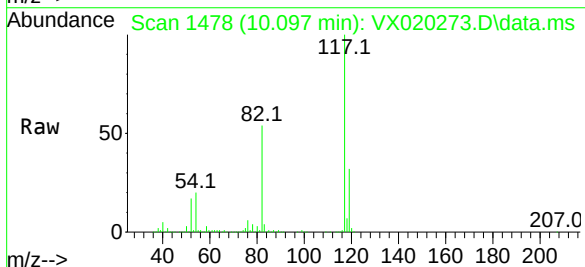
Instrument :
MSVOA_X
ClientSampleId :

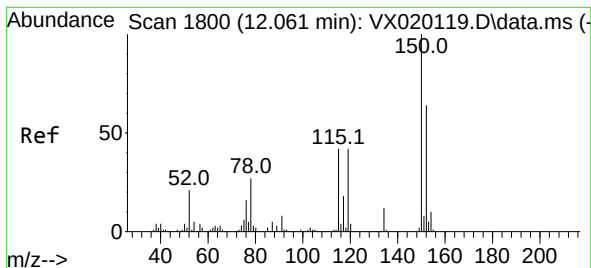
Tgt Ion: 95 Resp: 199835
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 73.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

Tgt Ion: 117 Resp: 440162
Ion Ratio Lower Upper
117 100
82 53.8 47.4 71.2
119 32.2 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: VX020273.D

Acq: 22 Dec 2020 00:59

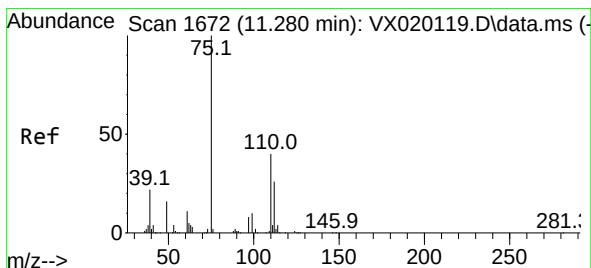
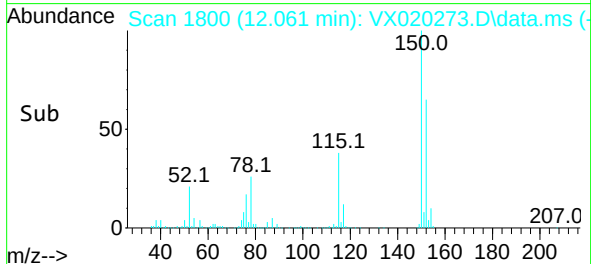
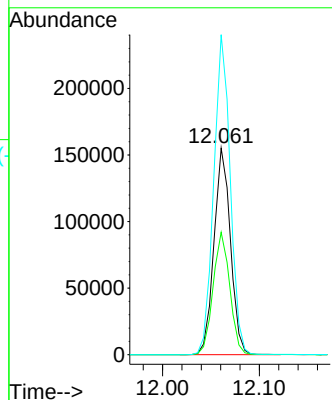
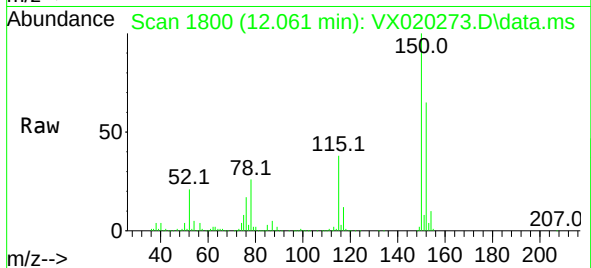
Tgt Ion:152 Resp: 183524

Ion Ratio Lower Upper

152 100

115 60.0 41.1 123.3

150 155.0 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 21.58 ug/l

RT: 11.122 min Scan# 1646

Delta R.T. -0.158 min

Lab File: VX020273.D

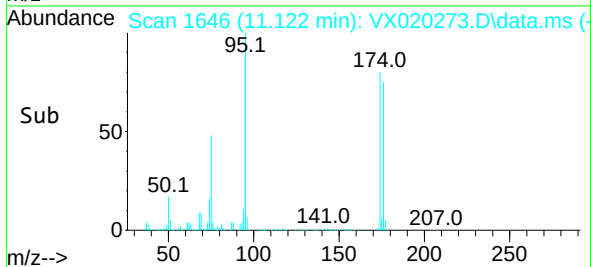
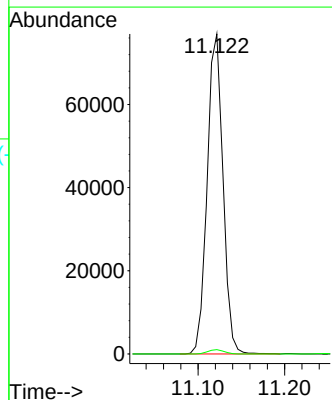
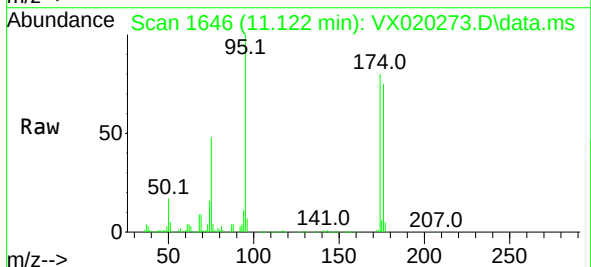
Acq: 22 Dec 2020 00:59

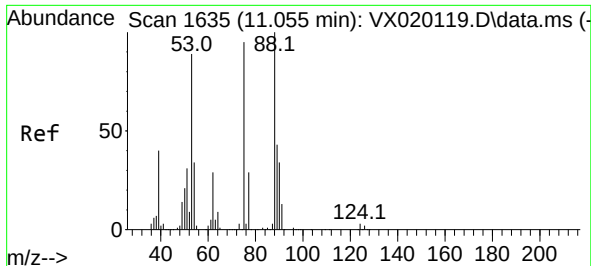
Tgt Ion: 75 Resp: 97543

Ion Ratio Lower Upper

75 100

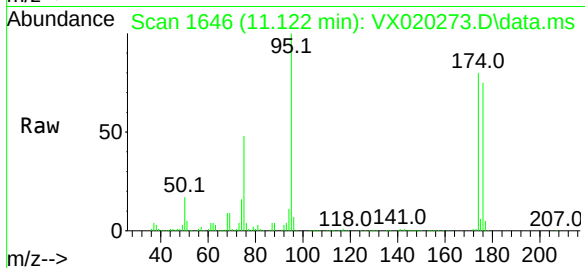
77 1.4 19.1 57.5#



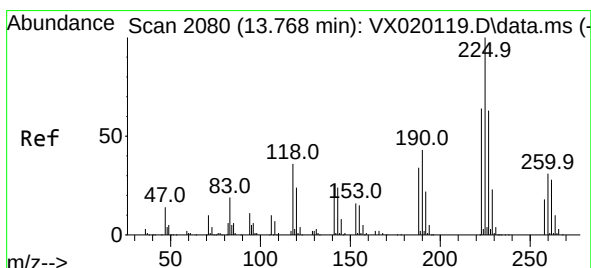
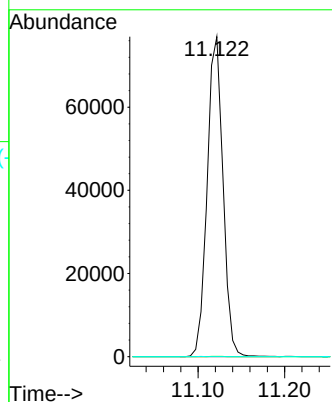
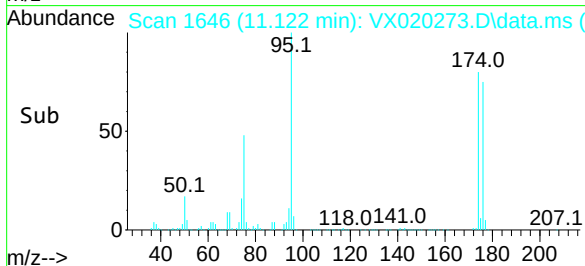


#81
trans-1,4-Dichloro-2-butene
Concen: 64.01 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59

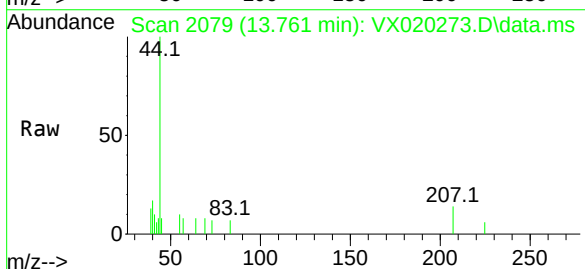
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 97543
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.65 ug/l
RT: 13.761 min Scan# 2079
Delta R.T. -0.007 min
Lab File: VX020273.D
Acq: 22 Dec 2020 00:59



Tgt Ion: 225 Resp: 20
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#

