

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020271.D
 Acq On : 22 Dec 2020 00:12
 Operator : JC/MD
 Sample : PB133709ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 05:15:28 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)

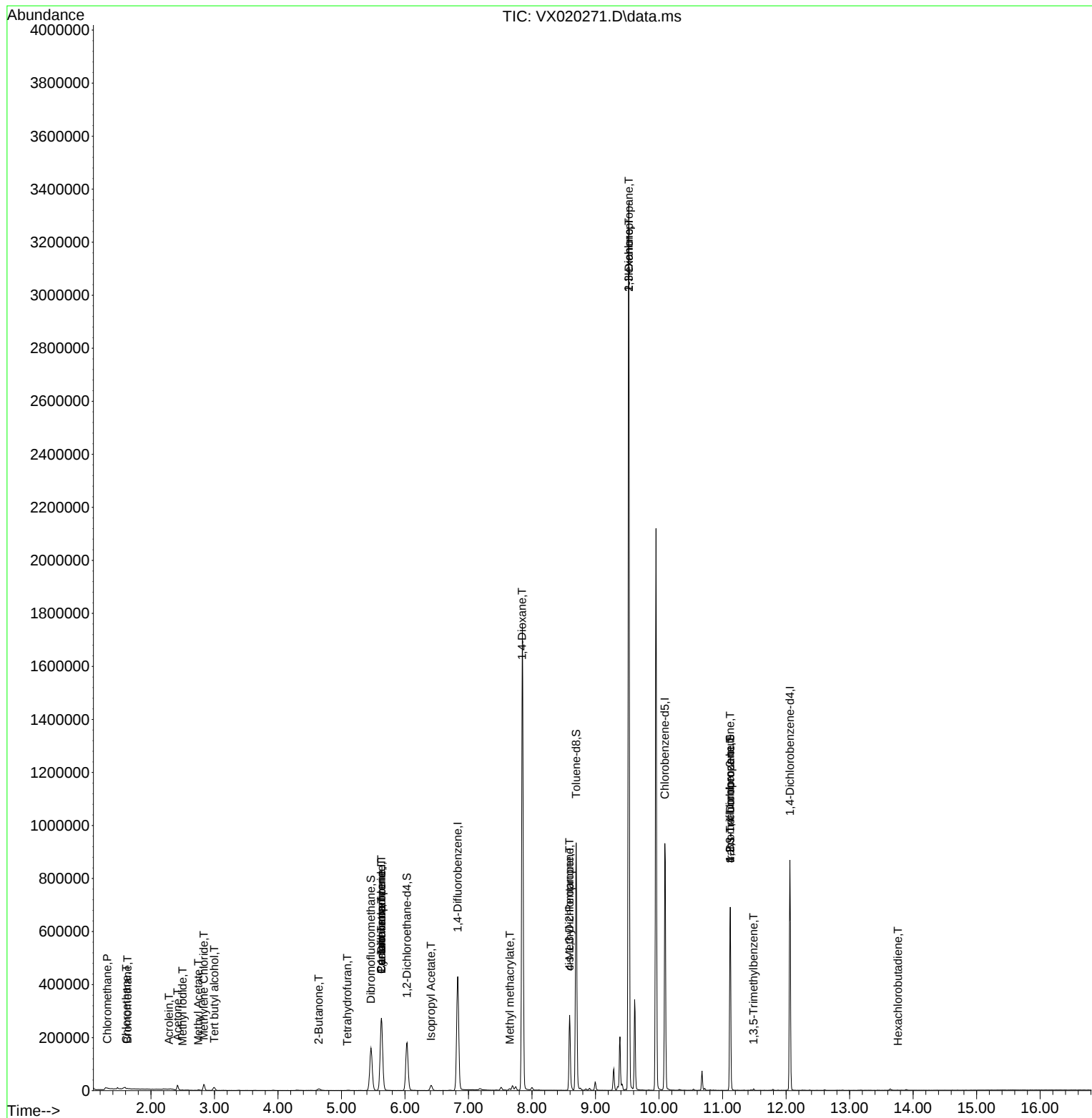
Internal Standards						
1) Pentafluorobenzene	5.629	168	256040	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	430177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	413334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	171447	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	172220	50.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.36%			
35) Dibromofluoromethane	5.464	113	137478	49.96	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.92%			
50) Toluene-d8	8.696	98	543670	51.33	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.66%			
62) 4-Bromofluorobenzene	11.122	95	189509	46.75	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.50%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	1198	0.37	ug/l #	83
5) Bromomethane	1.630	94	770	0.68	ug/l	92
6) Chloroethane	1.611	64	565	0.26	ug/l #	43
10) Methyl Iodide	2.495	142	402	3.39	ug/l #	90
11) Tert butyl alcohol	2.995	59	7313	9.52	ug/l #	82
13) Acrolein	2.282	56	123	0.26	ug/l #	1
16) Acetone	2.416	43	18740	11.97	ug/l	99
18) Methyl Acetate	2.745	43	2901	0.83	ug/l	92
20) Methylene Chloride	2.831	84	10348	2.93	ug/l	98
25) 2-Butanone	4.641	43	7137	3.13	ug/l	98
29) Tetrahydrofuran	5.093	42	953	0.67	ug/l #	37
31) Cyclohexane	5.629	56	5341	1.13	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20158	4.74	ug/l #	48
38) Carbon Tetrachloride	5.629	117	25559	6.32	ug/l #	18
43) Isopropyl Acetate	6.409	43	24799	3.56	ug/l	98
48) Methyl methacrylate	7.653	41	7012	2.05	ug/l #	10
49) 1,4-Dioxane	7.842	88	220	2.75	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	88888	20.58	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	46248	8.78	ug/l #	61
57) 1,3-Dichloropropane	9.525	76	29893	5.27	ug/l #	43
59) 2-Hexanone	9.525	43	361666	109.91	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	92015	21.79	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2146	0.20	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.122	75	92015	64.64	ug/l #	12
94) Hexachlorobutadiene	13.762	225	55	2.68	ug/l #	39

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

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Instrument :
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ClientSampleId :

Quant Time: Dec 22 05:15:28 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

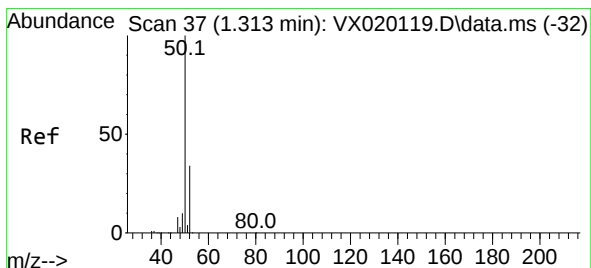
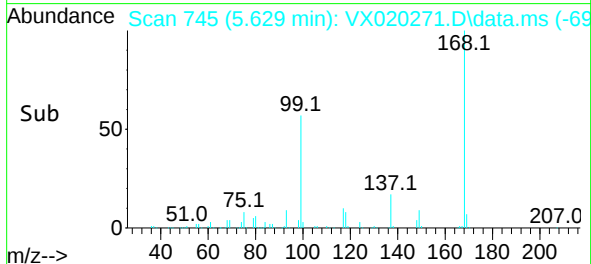
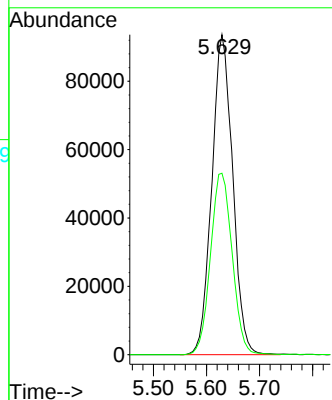
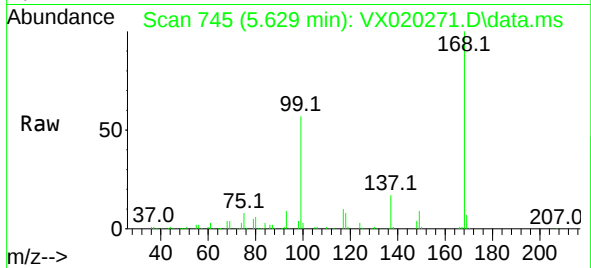




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

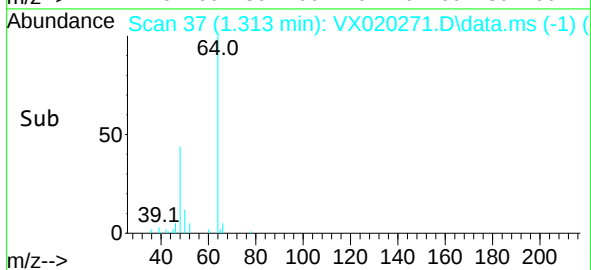
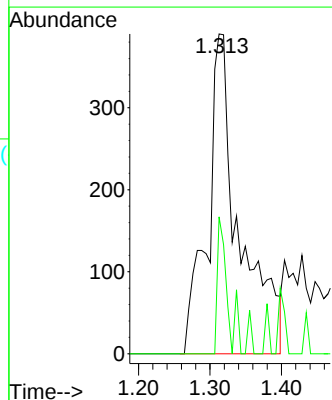
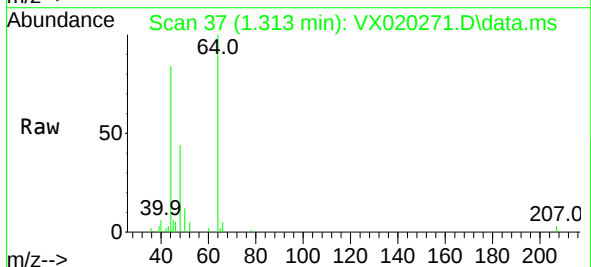
Instrument :
MSVOA_X
ClientSampleId :

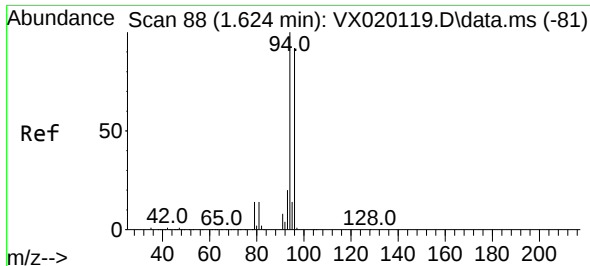
Tgt Ion:168 Resp: 256040
Ion Ratio Lower Upper
168 100
99 56.7 45.8 68.6



#3
Chloromethane
Concen: 0.37 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 50 Resp: 1198
Ion Ratio Lower Upper
50 100
52 42.8 26.4 39.6#

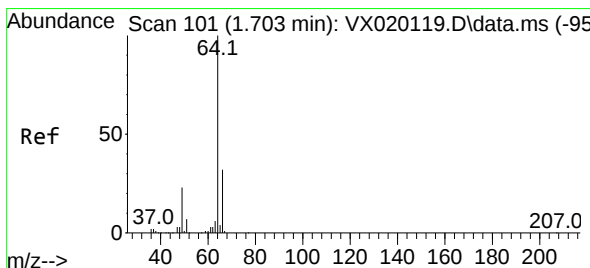
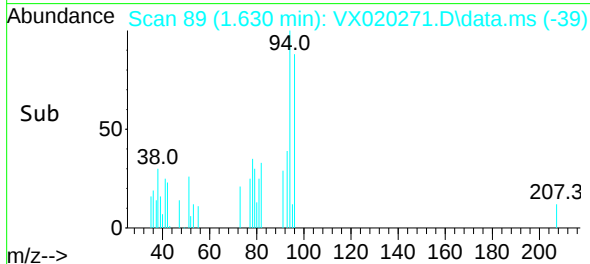
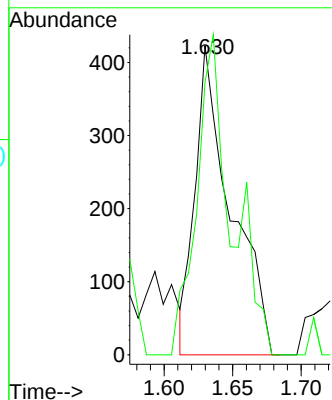
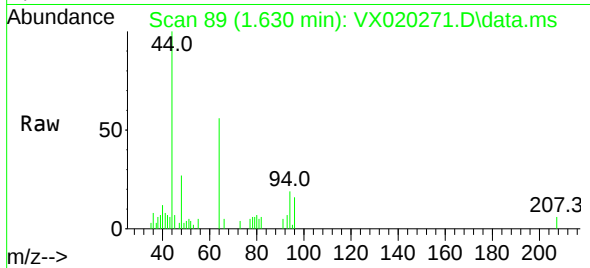




#5
Bromomethane
Concen: 0.68 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

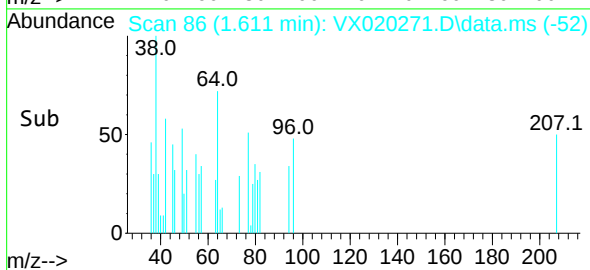
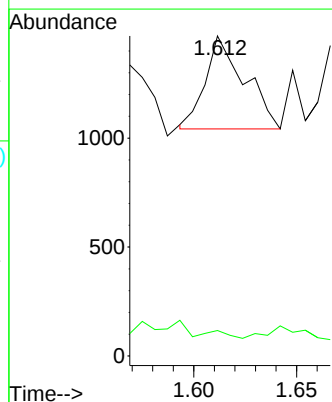
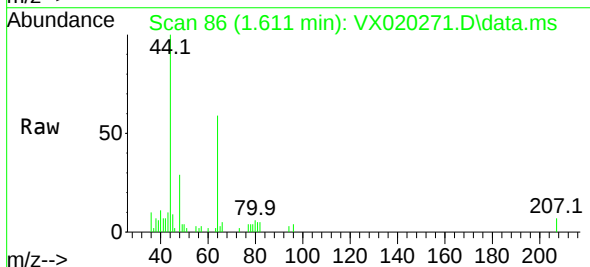
Instrument :
MSVOA_X
ClientSampled :

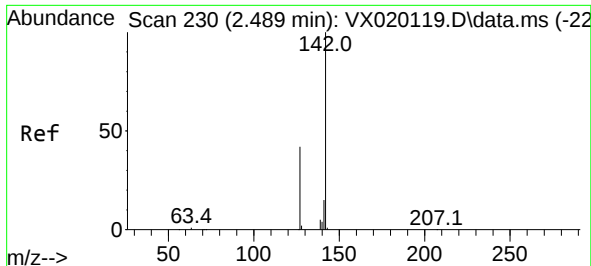
Tgt Ion: 94 Resp: 770
Ion Ratio Lower Upper
94 100
96 88.2 76.4 114.6



#6
Chloroethane
Concen: 0.26 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.092 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

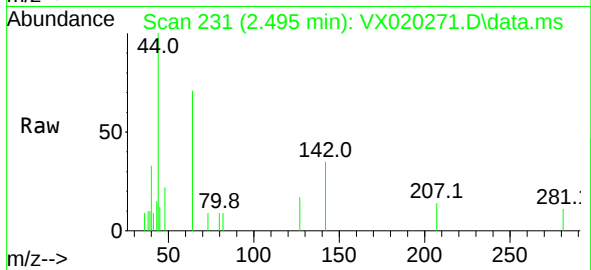
Tgt Ion: 64 Resp: 565
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



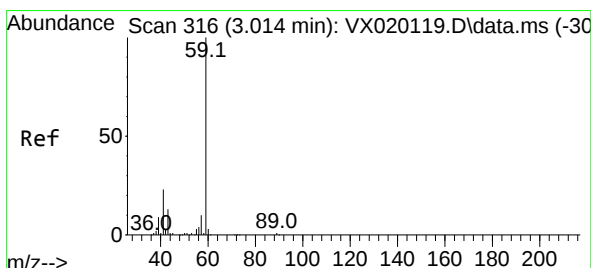
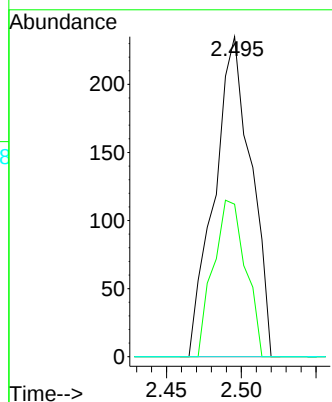
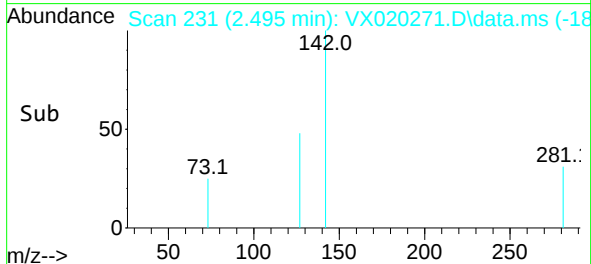


#10
Methyl Iodide
Concen: 3.39 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

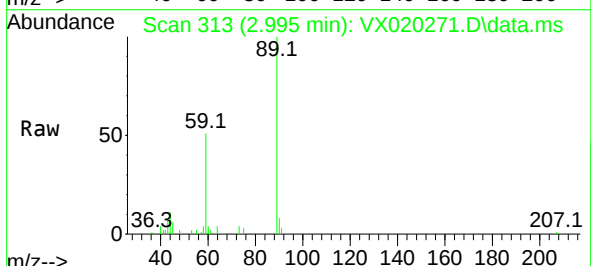
Instrument :
MSVOA_X
ClientSampleId :



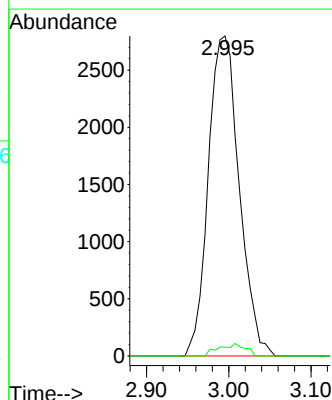
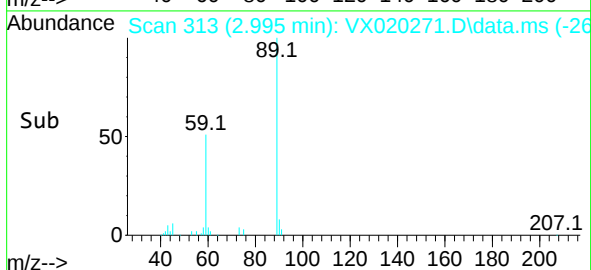
Tgt Ion:142 Resp: 402
Ion Ratio Lower Upper
142 100
127 42.8 33.3 49.9
141 0.0 11.4 17.0#

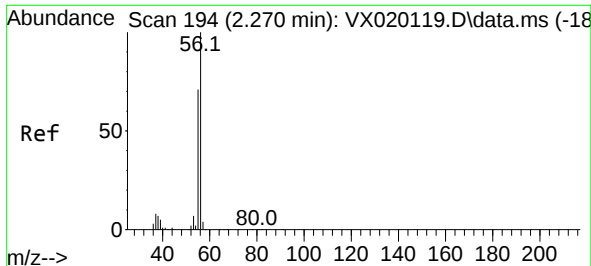


#11
Tert butyl alcohol
Concen: 9.52 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12



Tgt Ion: 59 Resp: 7313
Ion Ratio Lower Upper
59 100
57 3.3 7.8 11.8#

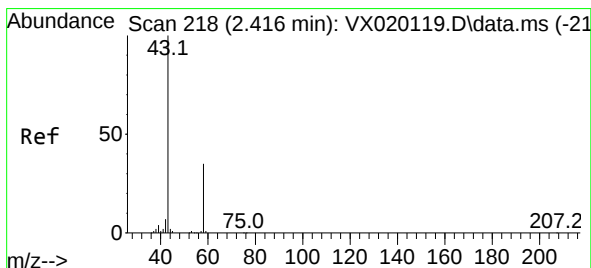
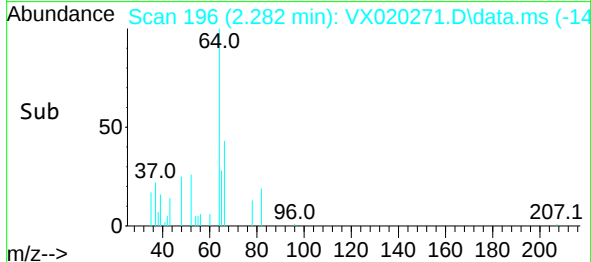
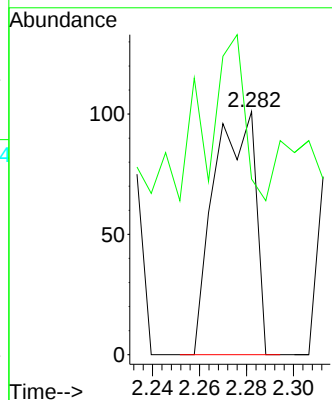
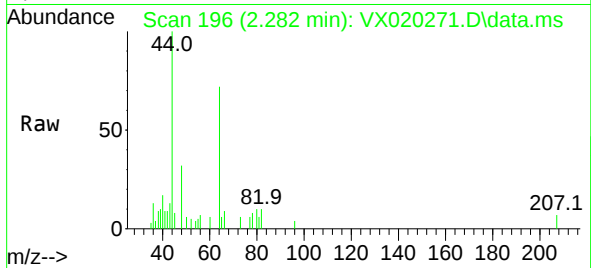




#13
Acrolein
Concen: 0.26 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.012 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

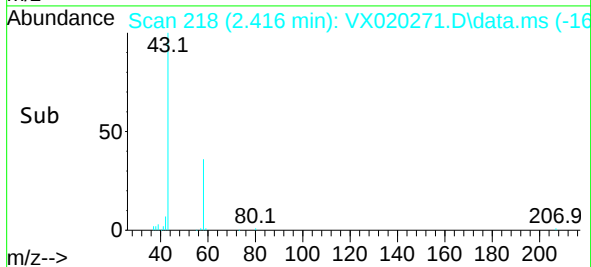
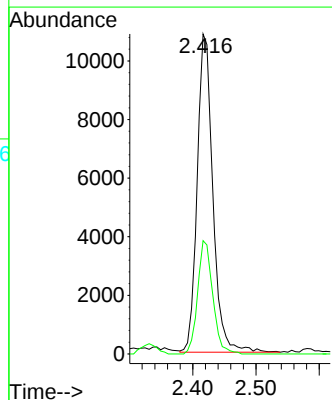
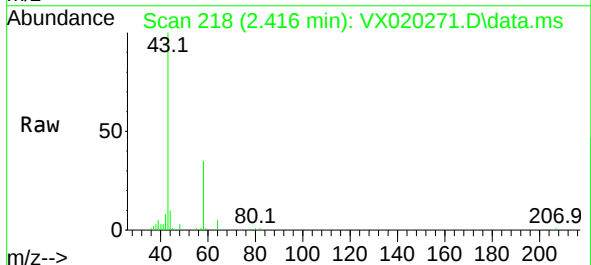
Instrument :
MSVOA_X
ClientSampleId :

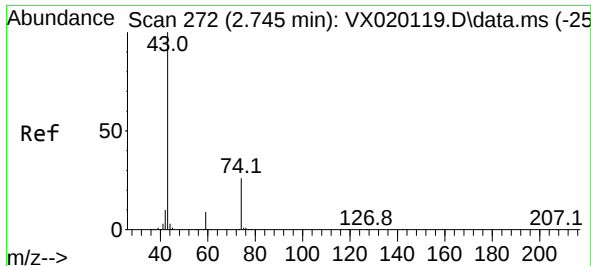
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 260.2 56.4 84.6#



#16
Acetone
Concen: 11.97 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 43 Resp: 18740
Ion Ratio Lower Upper
43 100
58 35.6 27.8 41.8

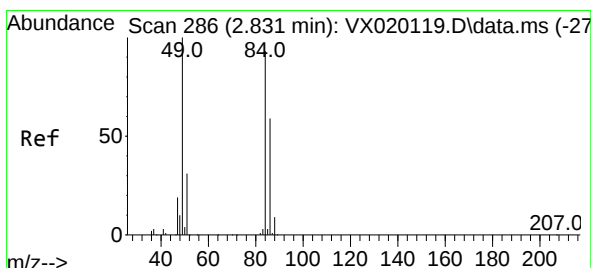
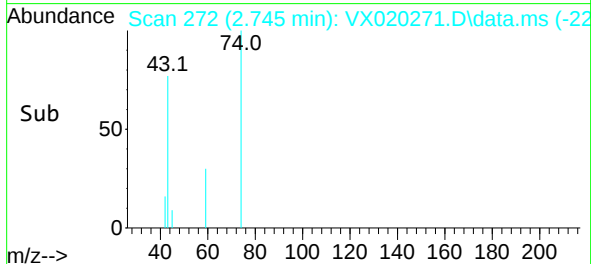
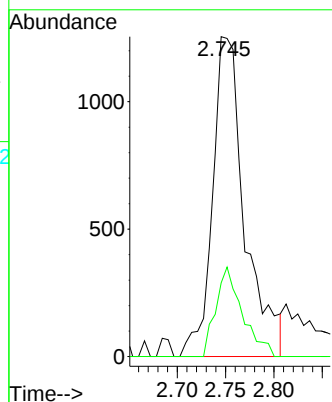
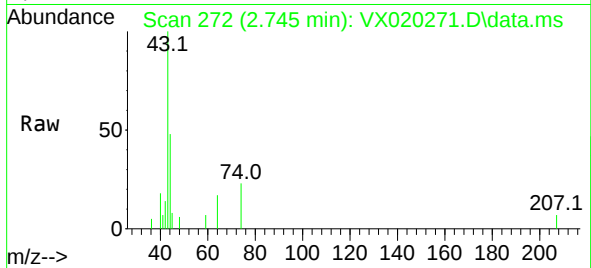




#18
Methyl Acetate
Concen: 0.83 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

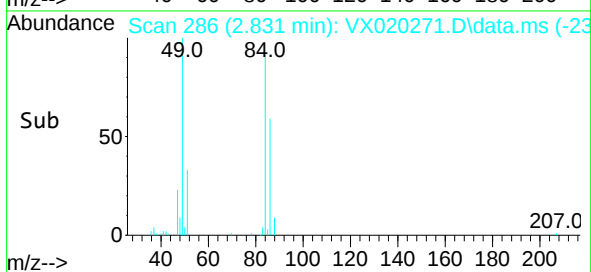
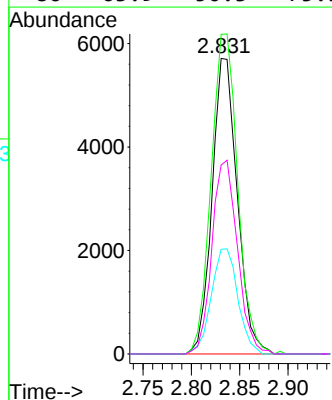
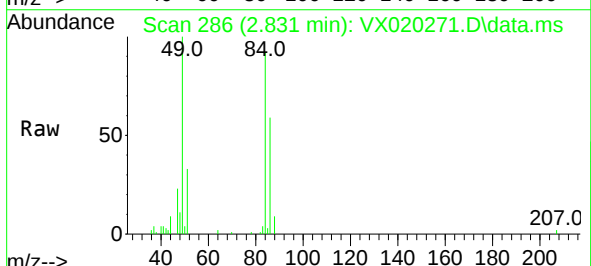
Instrument :
MSVOA_X
ClientSampled :

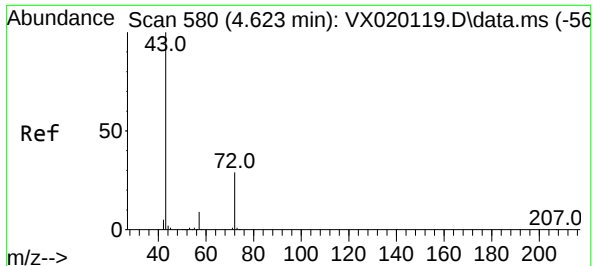
Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
74 23.1 21.9 32.9



#20
Methylene Chloride
Concen: 2.93 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 84 Resp: 10348
Ion Ratio Lower Upper
84 100
49 108.2 88.6 132.8
51 35.4 27.0 40.6
86 63.9 50.3 75.5





#25

2-Butanone

Concen: 3.13 ug/l

RT: 4.641 min Scan# 583

Delta R.T. 0.018 min

Lab File: VX020271.D

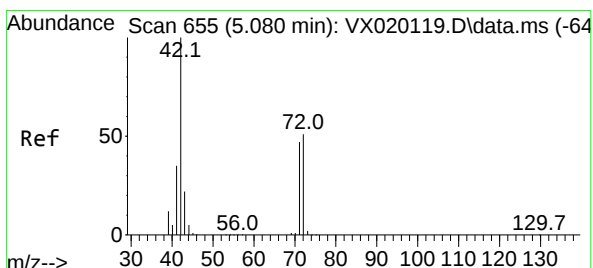
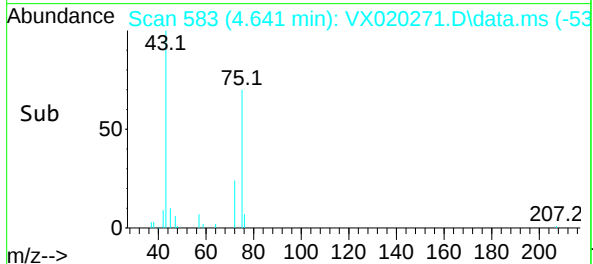
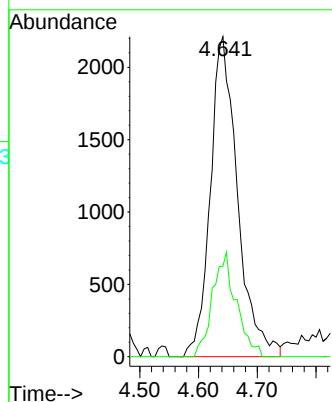
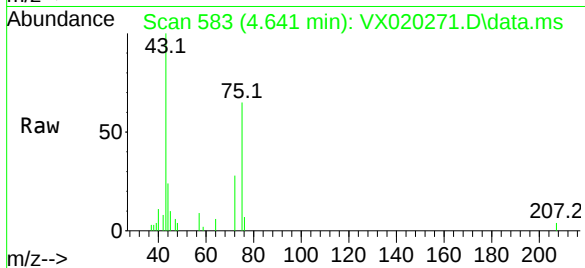
Acq: 22 Dec 2020 00:12

Tgt Ion: 43 Resp: 7137

Ion Ratio Lower Upper

43 100

72 28.3 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.013 min

Lab File: VX020271.D

Acq: 22 Dec 2020 00:12

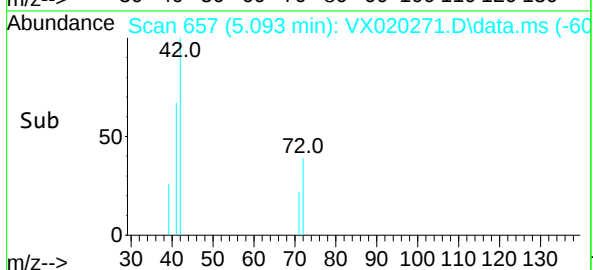
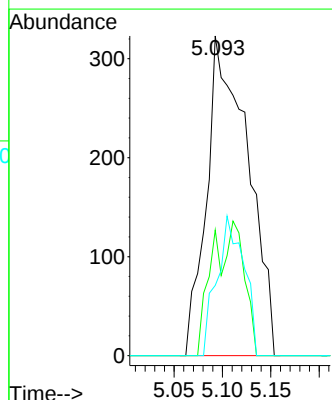
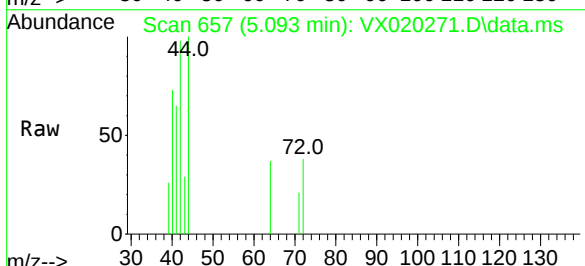
Tgt Ion: 42 Resp: 953

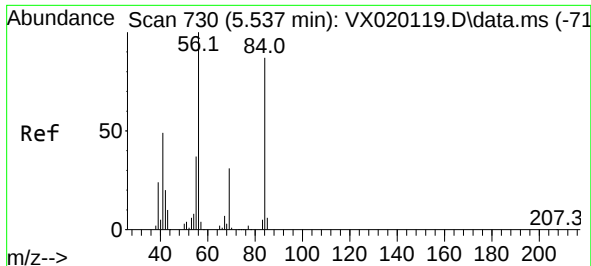
Ion Ratio Lower Upper

42 100

72 13.4 41.7 62.5#

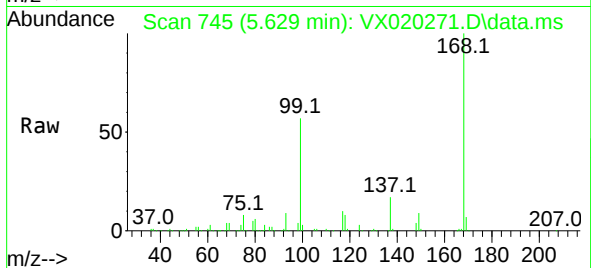
71 0.0 38.4 57.6#



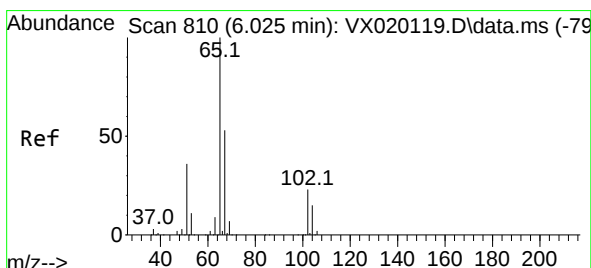
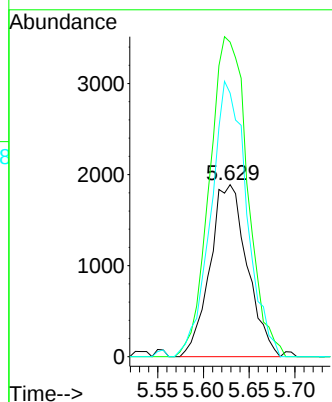
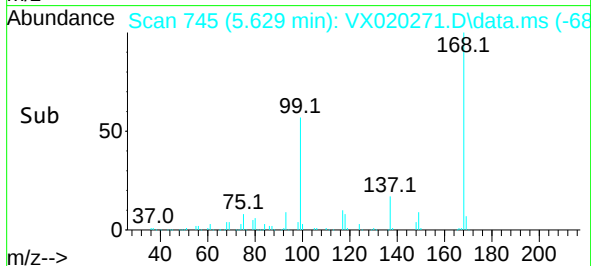


#31
Cyclohexane
Concen: 1.13 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

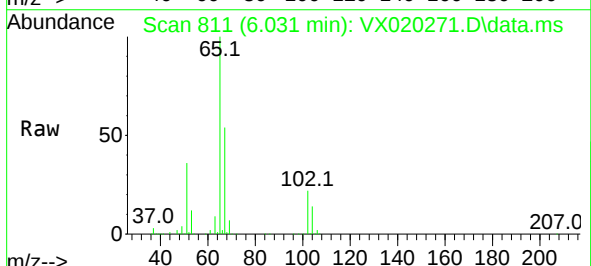
Instrument :
MSVOA_X
ClientSampleId :



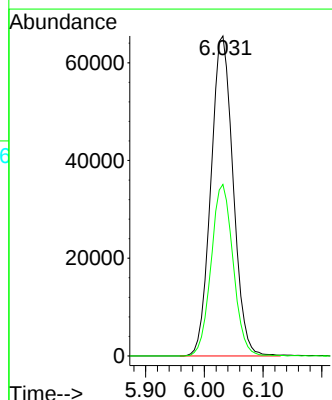
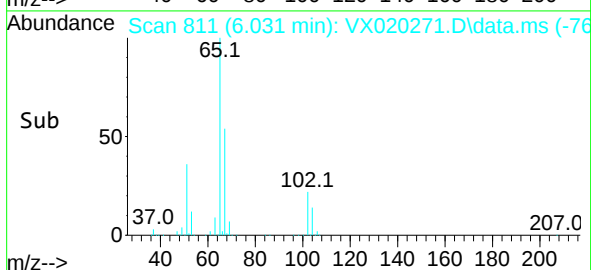
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Ion Ratio Lower Upper
56 100
69 180.1 25.3 37.9#
84 153.2 71.4 107.0#

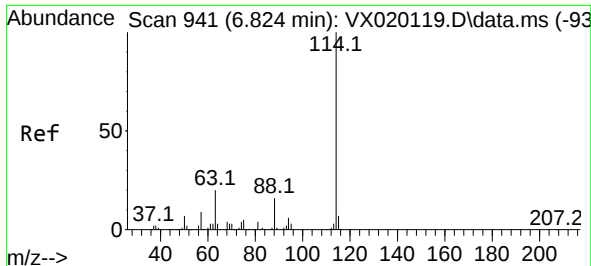


#33
1,2-Dichloroethane-d4
Concen: 50.18 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12



Tgt Ion: 65 Resp: 172220
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

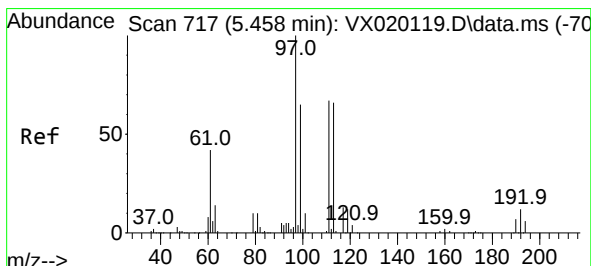
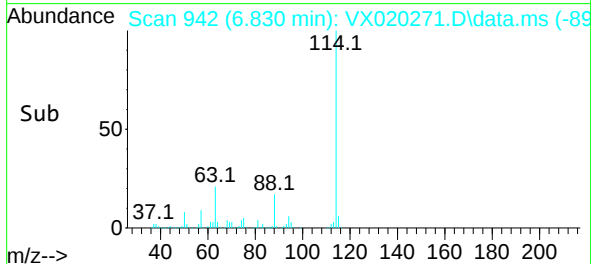
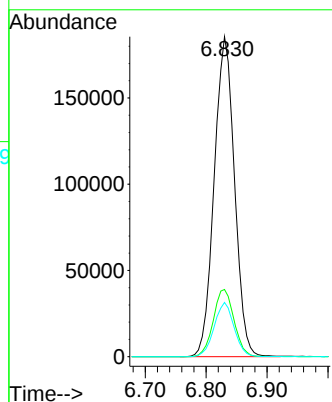
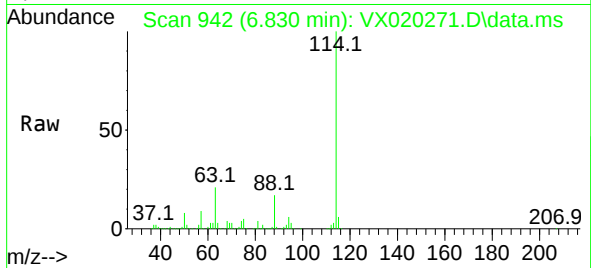




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

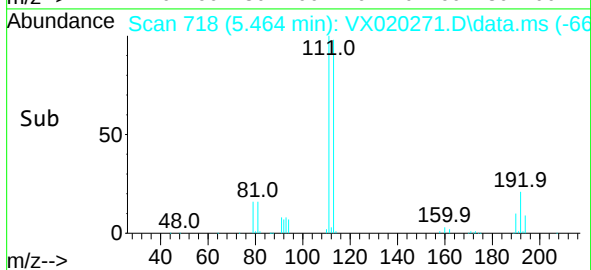
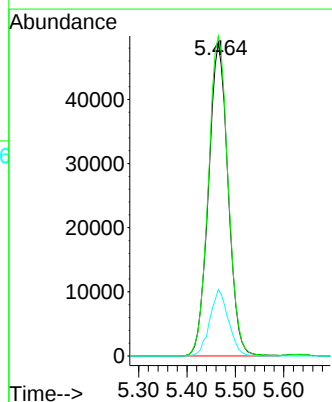
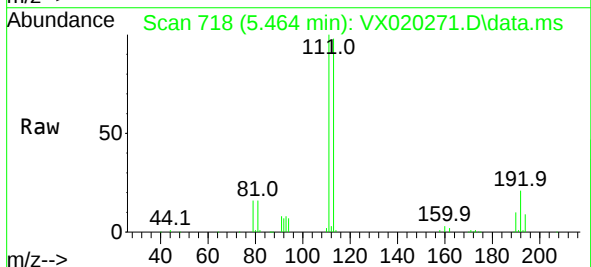
Instrument :
MSVOA_X
ClientSampleId :

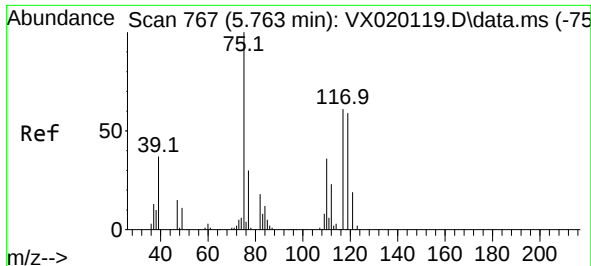
Tgt Ion:114 Resp: 430177
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.96 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion:113 Resp: 137478
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.1 16.7 25.1

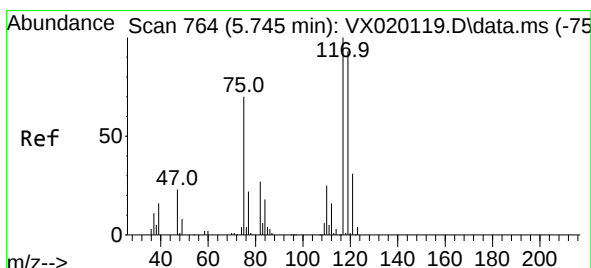
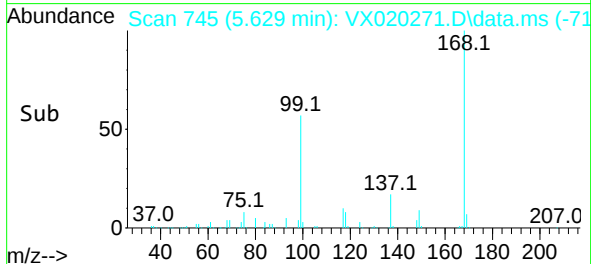
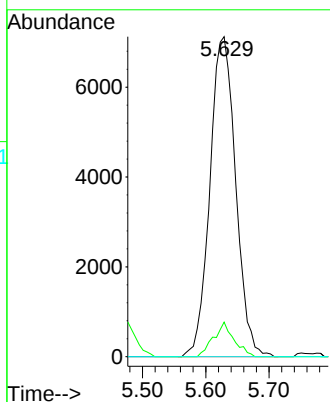
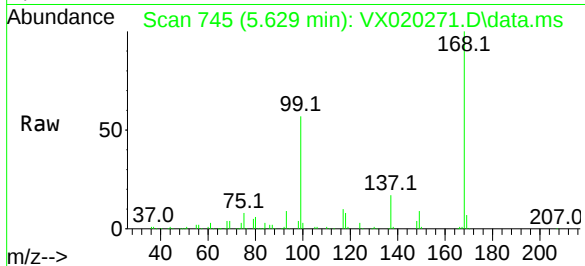




#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

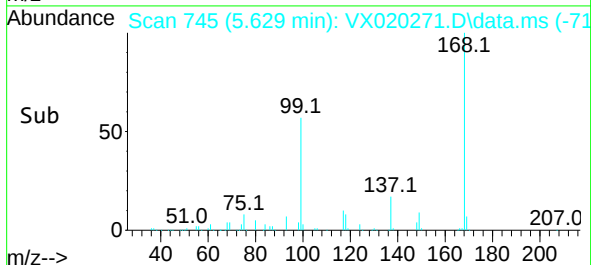
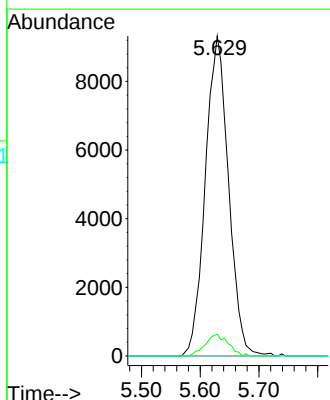
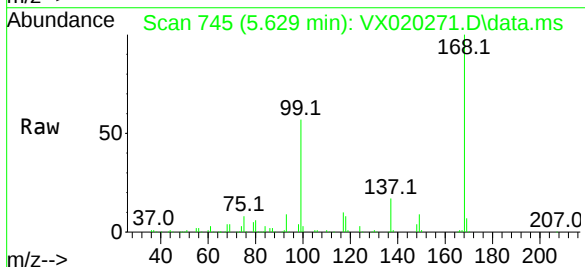
Instrument :
MSVOA_X
ClientSampled :

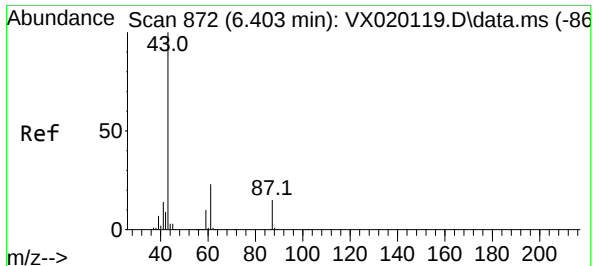
Tgt Ion: 75 Resp: 20158
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

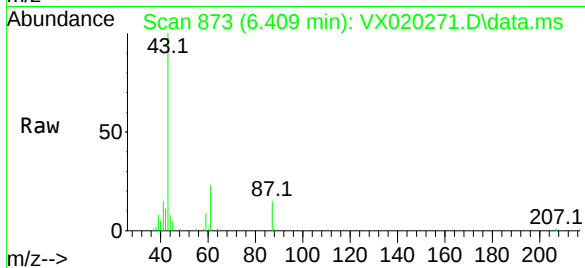
Tgt Ion: 117 Resp: 25559
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#



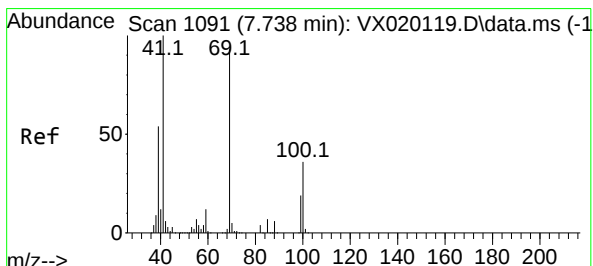
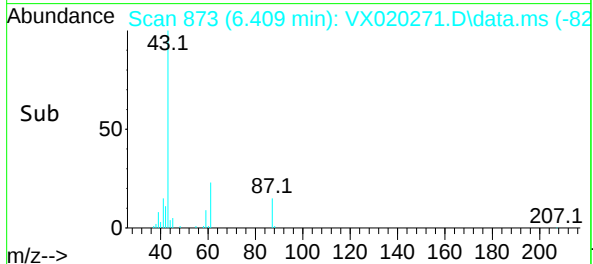
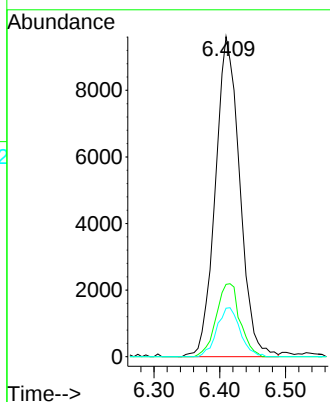


#43
Isopropyl Acetate
Concen: 3.56 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Instrument :
MSVOA_X
ClientSampleId :

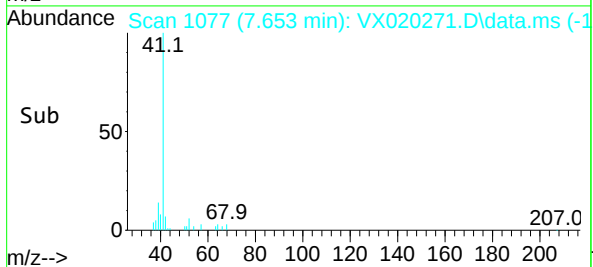
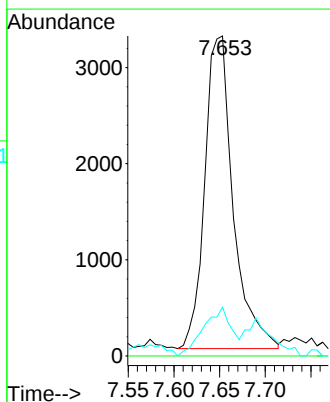
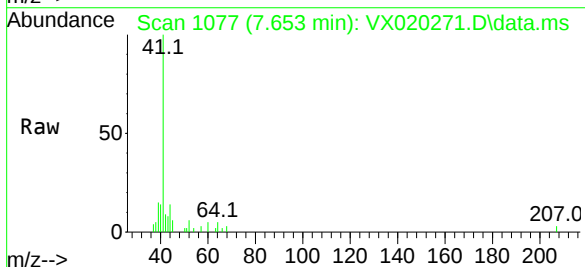


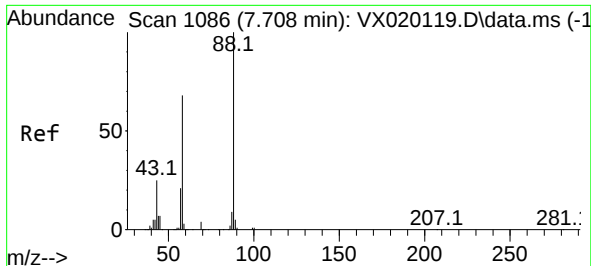
Tgt Ion: 43 Resp: 24799
Ion Ratio Lower Upper
43 100
61 22.2 18.2 27.4
87 14.6 12.5 18.7



#48
Methyl methacrylate
Concen: 2.05 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.085 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 41 Resp: 7012
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

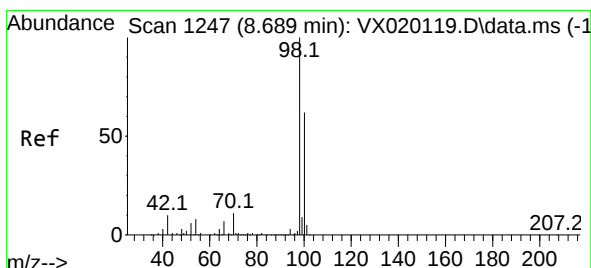
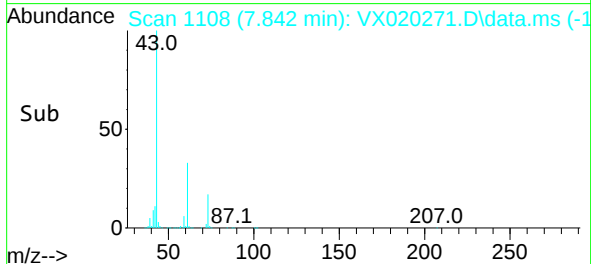
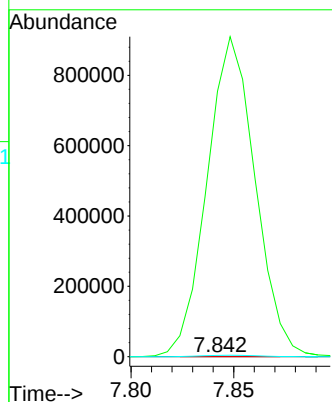
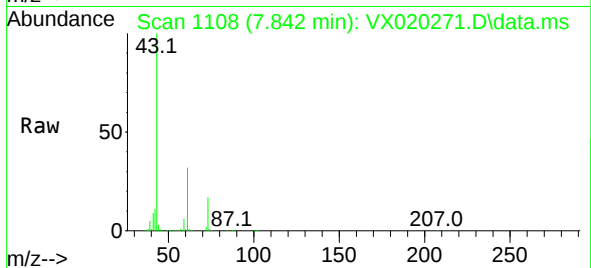




#49
1,4-Dioxane
Concen: 2.75 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.134 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

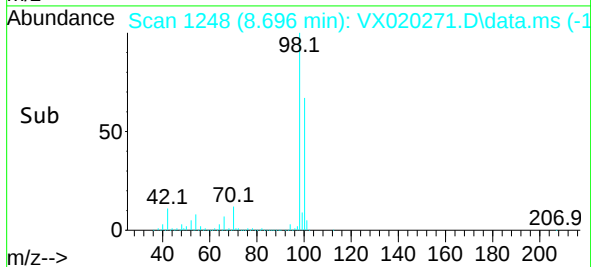
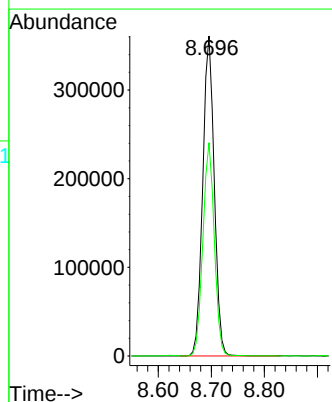
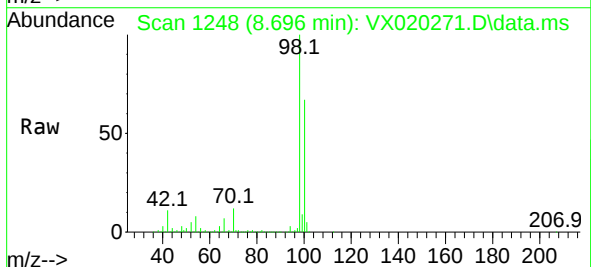
Instrument :
MSVOA_X
ClientSampled :

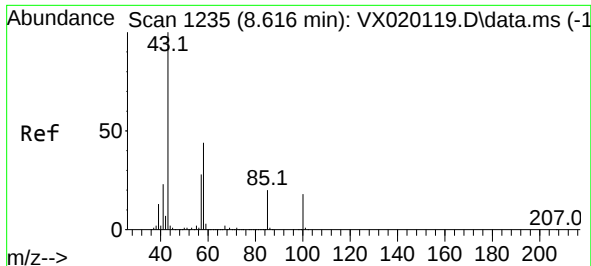
Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 678764.5 23.2 34.8#
58 3554.1 55.0 82.4#



#50
Toluene-d8
Concen: 51.33 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 98 Resp: 543670
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

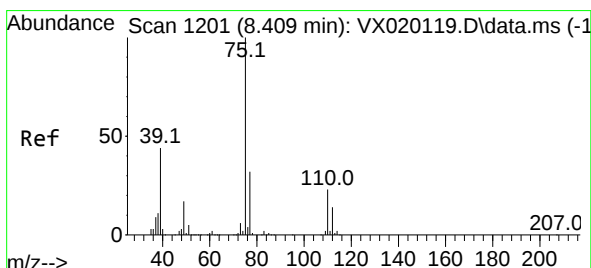
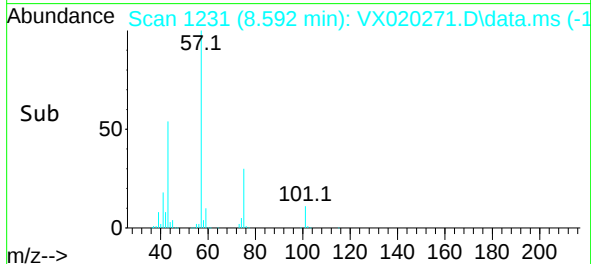
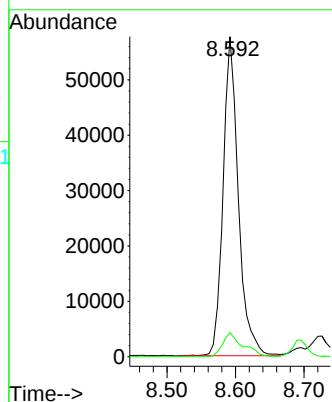
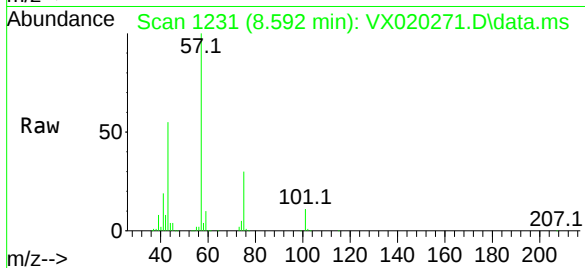




#51
4-Methyl-2-Pentanone
Concen: 20.58 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

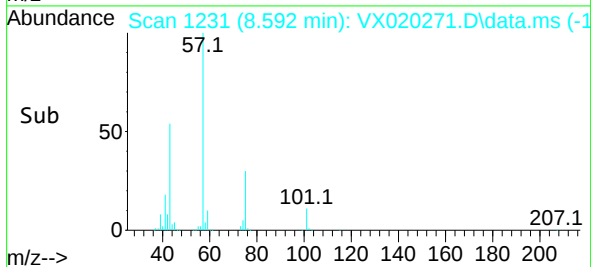
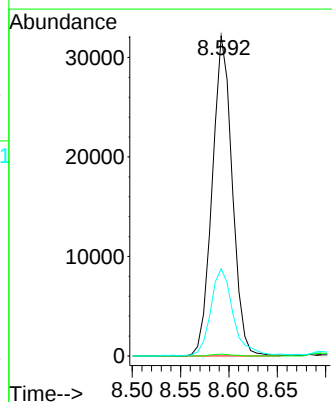
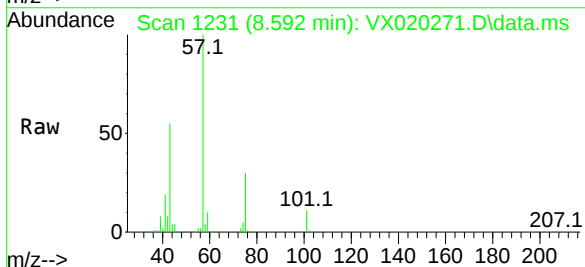
Instrument :
MSVOA_X
ClientSampled :

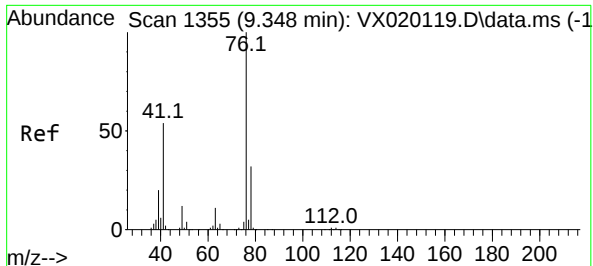
Tgt Ion: 43 Resp: 88888
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 8.78 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 75 Resp: 46248
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 27.3 35.1 52.7#

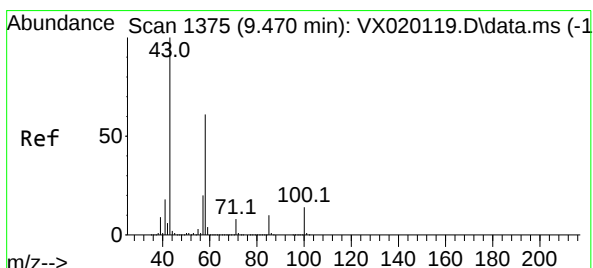
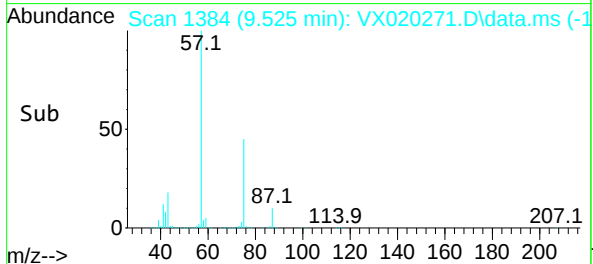
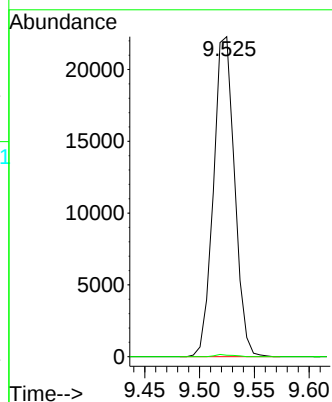
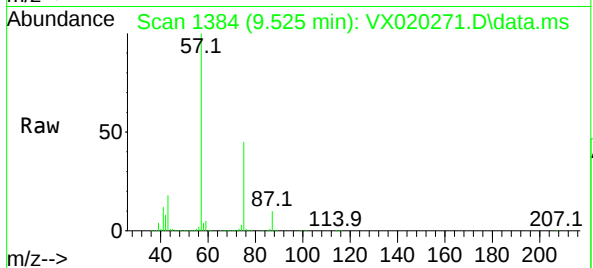




#57
1,3-Dichloropropane
Concen: 5.27 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

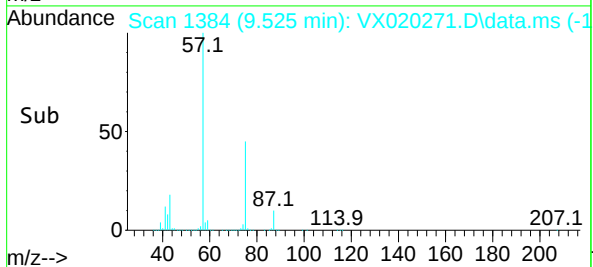
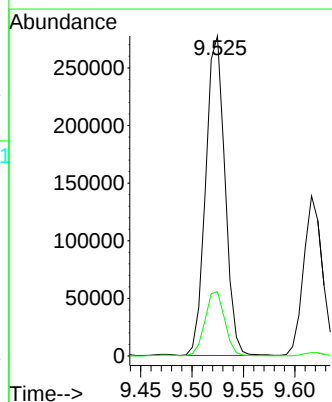
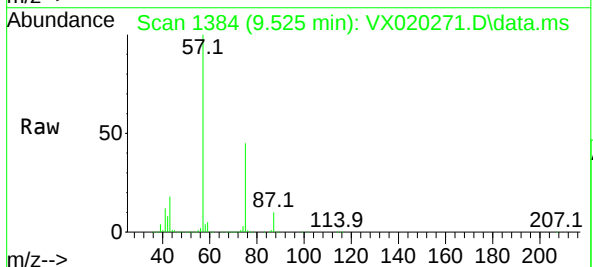
Instrument :
MSVOA_X
ClientSampled :

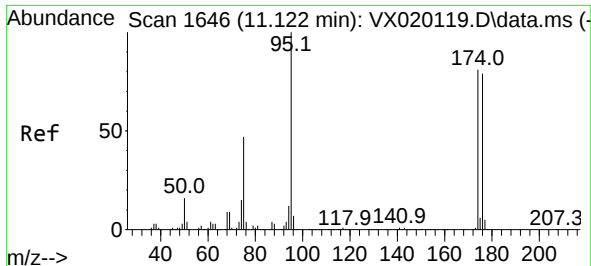
Tgt Ion: 76 Resp: 29893
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#



#59
2-Hexanone
Concen: 109.91 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 43 Resp: 361666
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#

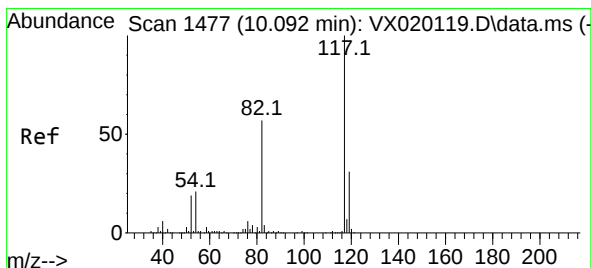
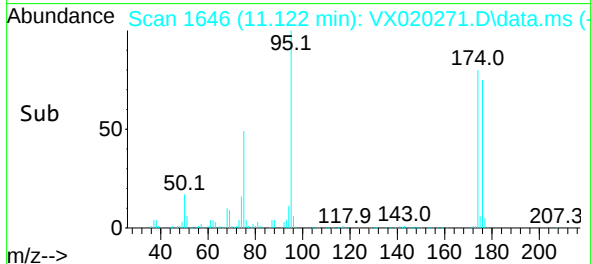
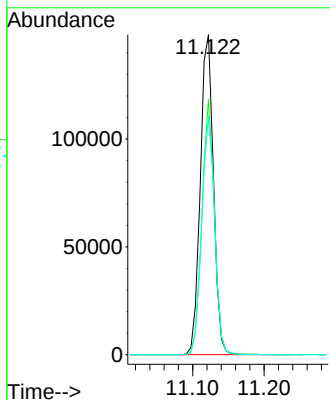
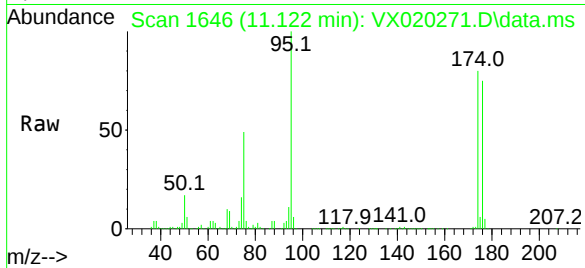




#62
4-Bromofluorobenzene
Concen: 46.75 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

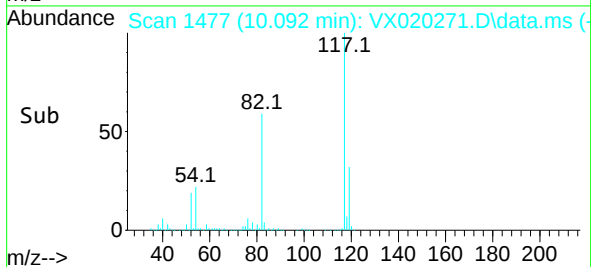
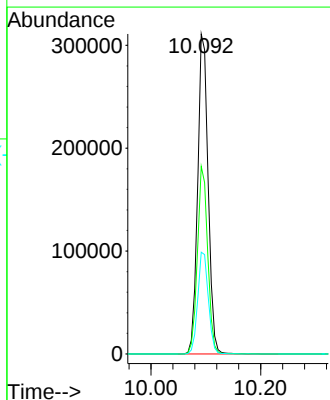
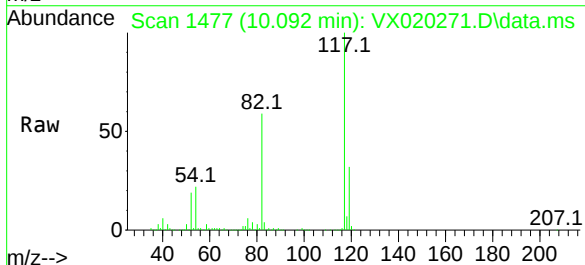
Instrument :
MSVOA_X
ClientSampleId :

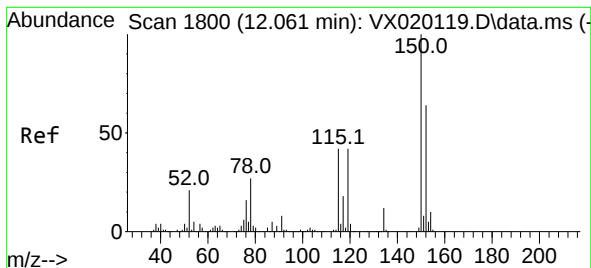
Tgt Ion: 95 Resp: 189509
Ion Ratio Lower Upper
95 100
174 75.6 0.0 154.6
176 73.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

Tgt Ion: 117 Resp: 413334
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.8 26.6 39.8

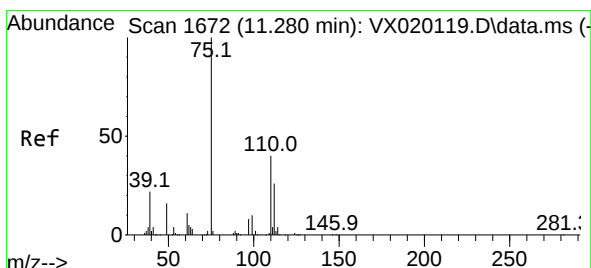
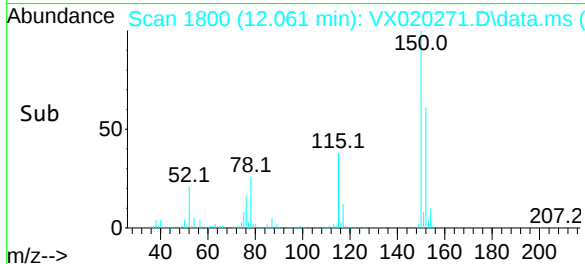
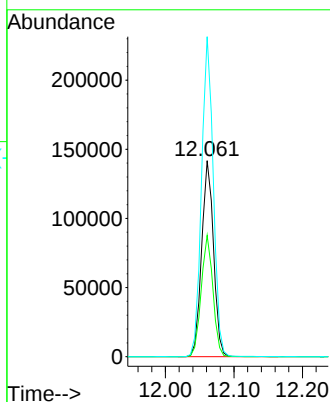
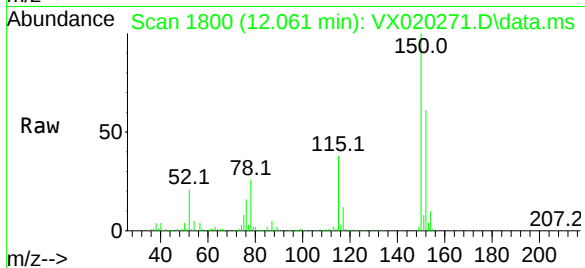




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020271.D
 Acq: 22 Dec 2020 00:12

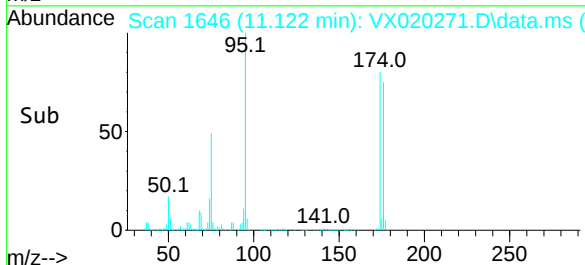
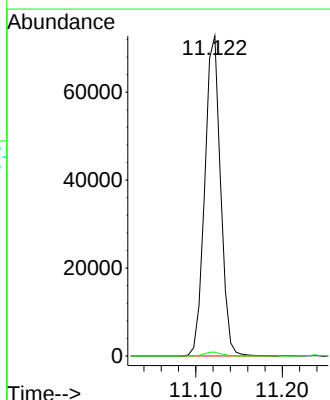
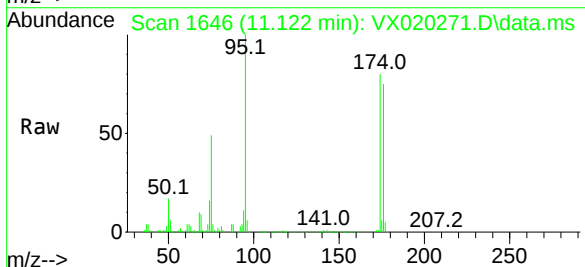
Instrument :
 MSVOA_X
 ClientSampleId :

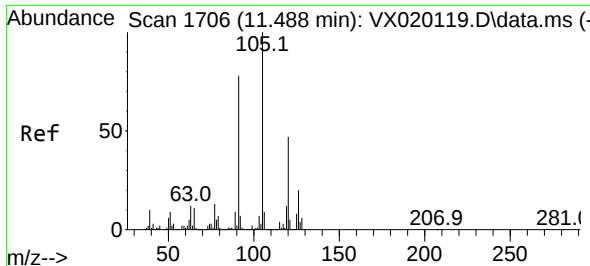
Tgt Ion:152 Resp: 171447
 Ion Ratio Lower Upper
 152 100
 115 60.9 41.1 123.3
 150 161.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.79 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020271.D
 Acq: 22 Dec 2020 00:12

Tgt Ion: 75 Resp: 92015
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

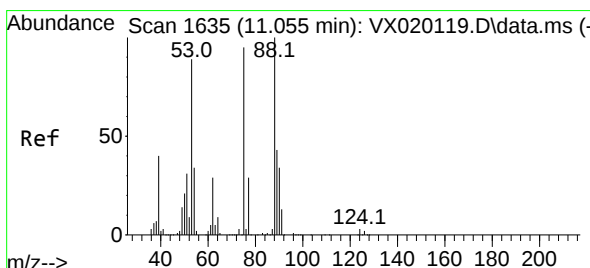
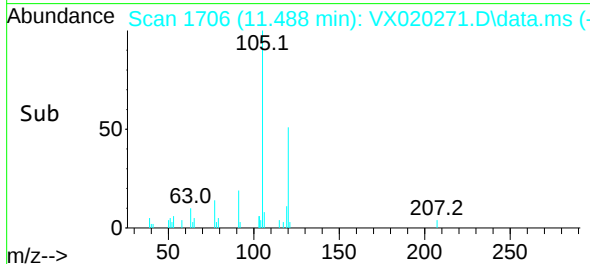
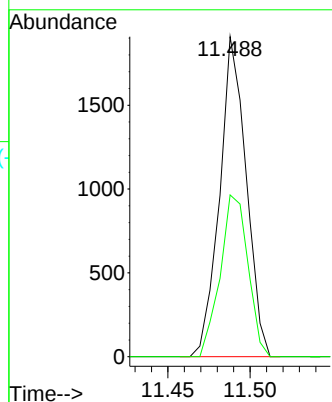
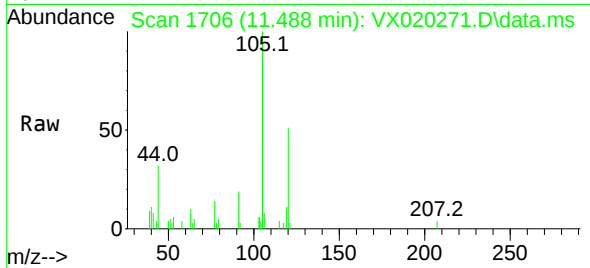




#80
1,3,5-Trimethylbenzene
Concen: 0.20 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

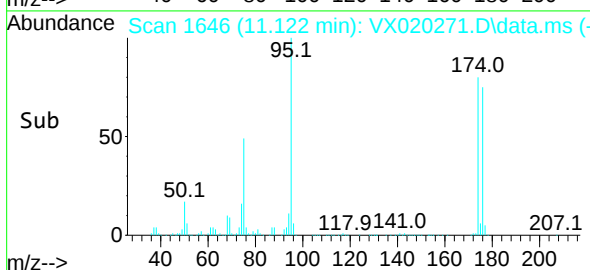
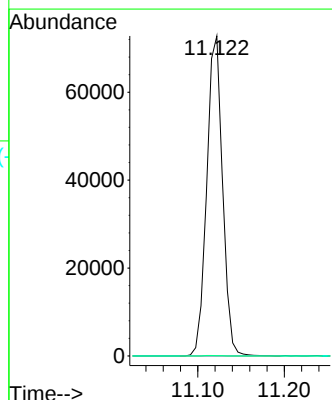
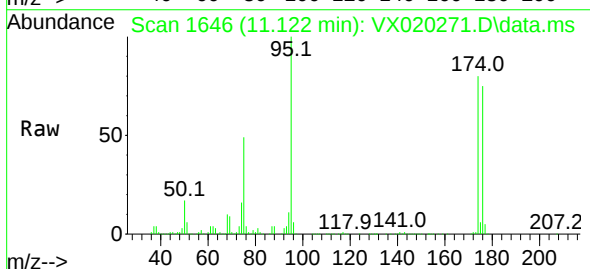
Instrument :
MSVOA_X
ClientSampled :

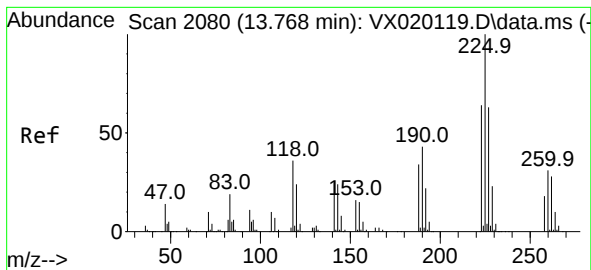
Tgt Ion:105 Resp: 2146
Ion Ratio Lower Upper
105 100
120 52.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 64.64 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020271.D
Acq: 22 Dec 2020 00:12

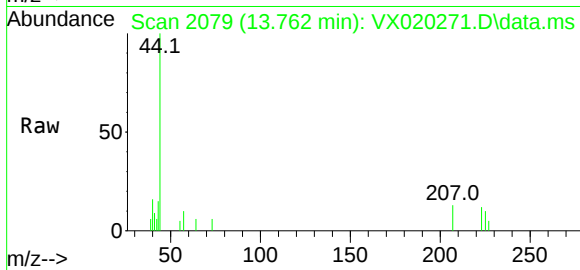
Tgt Ion: 75 Resp: 92015
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.68 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020271.D
 Acq: 22 Dec 2020 00:12

Instrument :
 MSVOA_X
 ClientSampled :



Tgt Ion:225 Resp: 55
 Ion Ratio Lower Upper
 225 100
 223 127.3 31.1 93.2#
 227 34.5 31.6 95.0

