

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020331.D
 Acq On : 23 Dec 2020 12:23
 Operator : JC/MD
 Sample : L5123-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20201211

Quant Time: Dec 24 00:15:17 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)

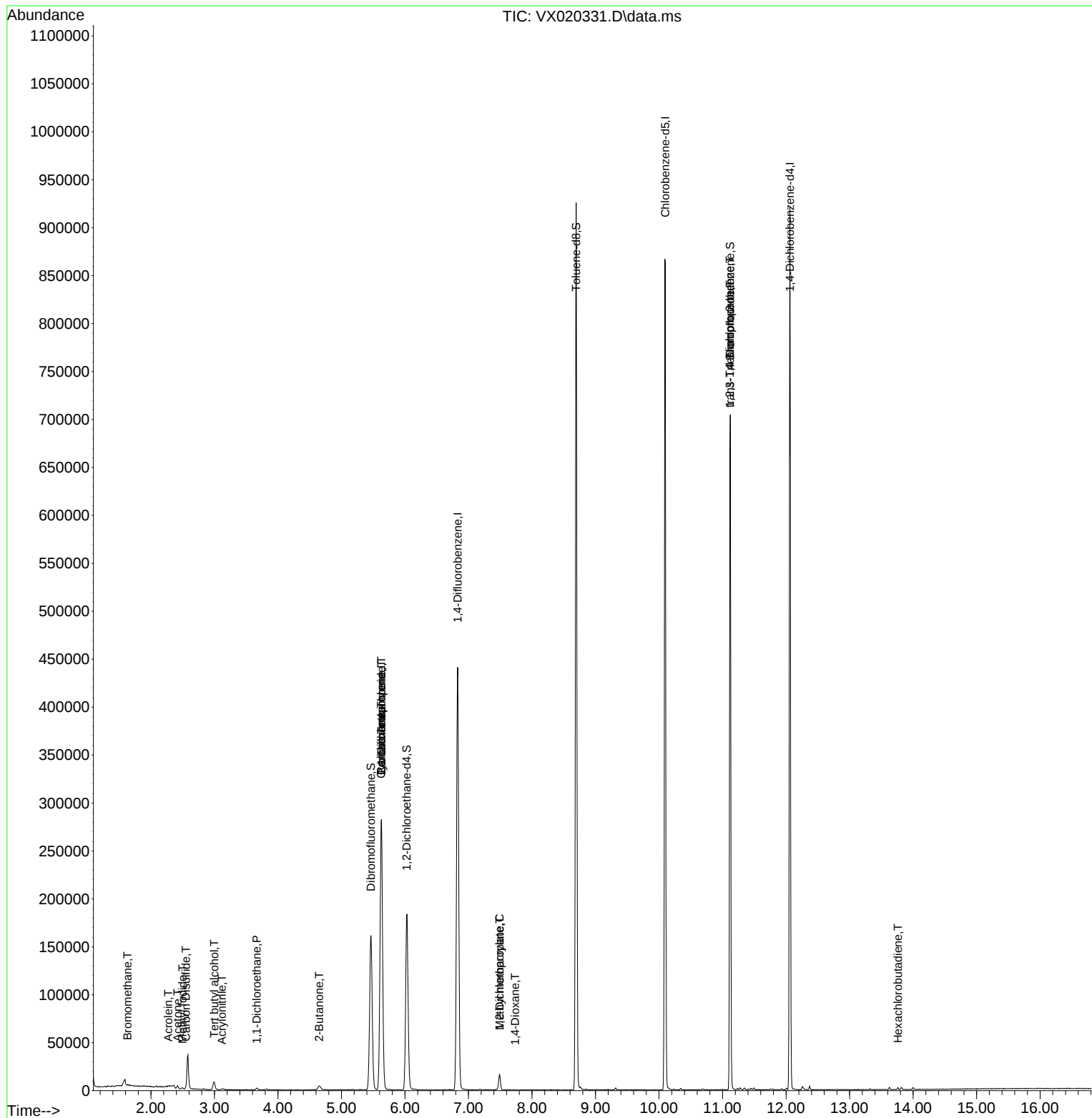
Internal Standards						
1) Pentafluorobenzene	5.629	168	267229	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	452718	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	414128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	184262	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	176645	49.31	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.62%		
35) Dibromofluoromethane	5.464	113	140914	48.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.32%		
50) Toluene-d8	8.695	98	547246	49.09	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.18%		
62) 4-Bromofluorobenzene	11.122	95	200216	46.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.86%		
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	668	0.57	ug/l	95
10) Methyl Iodide	2.495	142	1468	3.67	ug/l	97
11) Tert butyl alcohol	2.995	59	5037	6.28	ug/l #	74
13) Acrolein	2.270	56	299	0.60	ug/l #	57
15) Acrylonitrile	3.117	53	470	0.25	ug/l	94
16) Acetone	2.416	43	2812	1.72	ug/l	94
17) Carbon Disulfide	2.550	76	1843	0.23	ug/l	99
24) 1,1-Dichloroethane	3.666	63	2150	0.37	ug/l	93
25) 2-Butanone	4.647	43	592	0.25	ug/l #	45
31) Cyclohexane	5.623	56	5795	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	21009	4.70	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26828	6.30	ug/l #	16
45) 1,2-Dichloropropane	7.488	63	6640	1.89	ug/l	99
48) Methyl methacrylate	7.488	41	3594	1.00	ug/l #	31
49) 1,4-Dioxane	7.732	88	21	0.25	ug/l #	1
76) 1,2,3-Trichloropropane	11.116	75	95703	21.09	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	95703	62.56	ug/l #	12
94) Hexachlorobutadiene	13.762	225	358	2.84	ug/l	97

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

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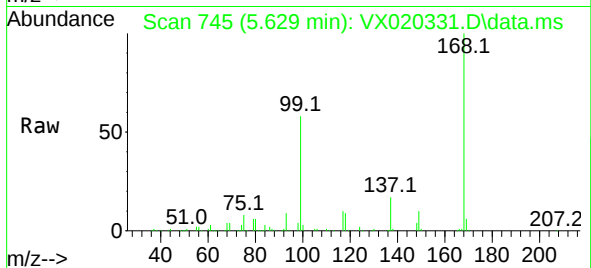
Quant Time: Dec 24 00:15:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
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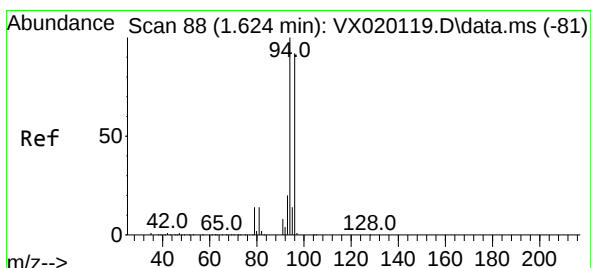
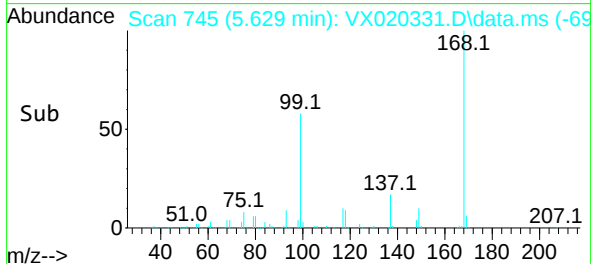
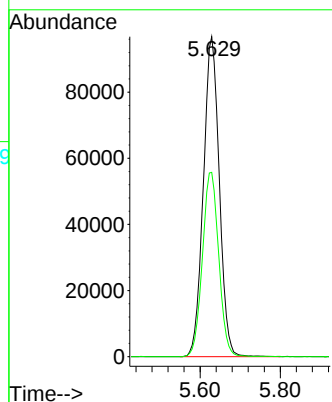


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

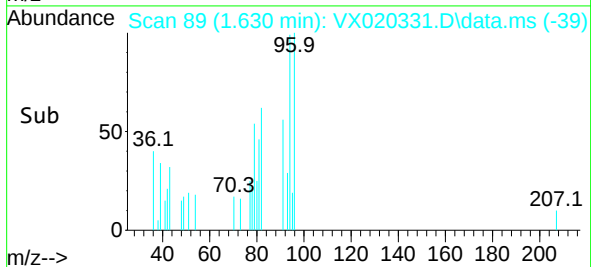
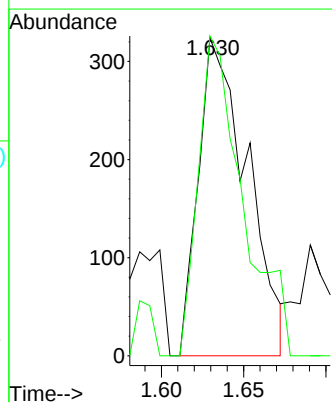
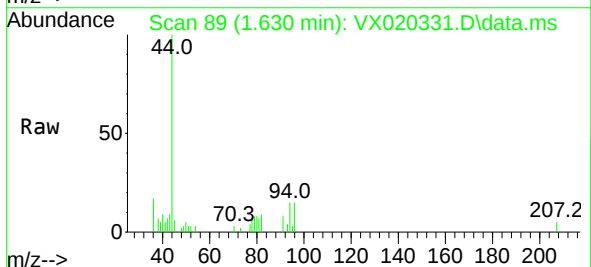


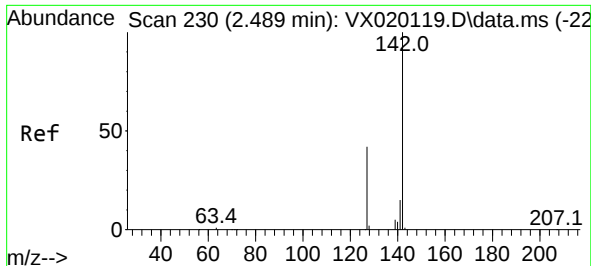
Tgt Ion:168 Resp: 267229
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#5
Bromomethane
Concen: 0.57 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

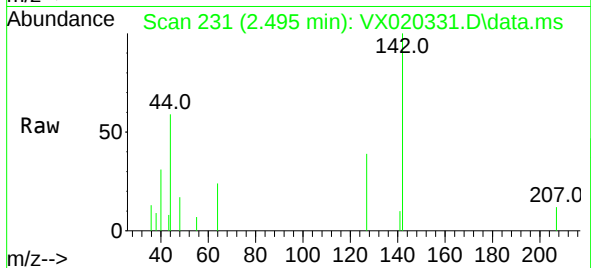
Tgt Ion: 94 Resp: 668
Ion Ratio Lower Upper
94 100
96 100.6 76.4 114.6



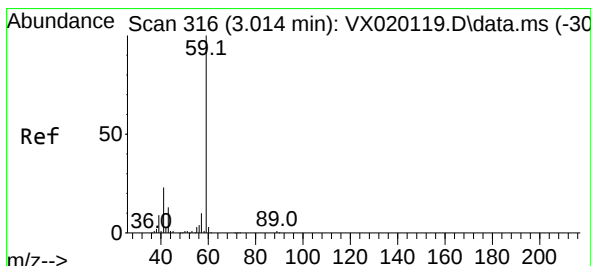
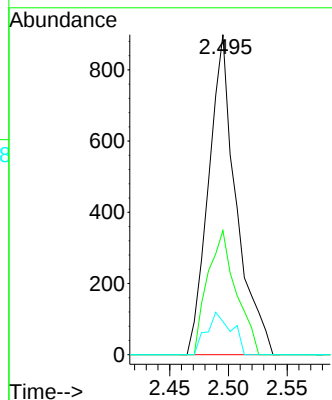
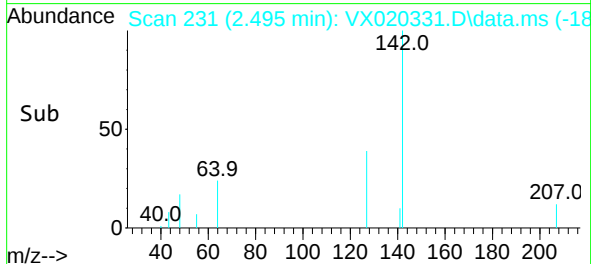


#10
Methyl Iodide
Concen: 3.67 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

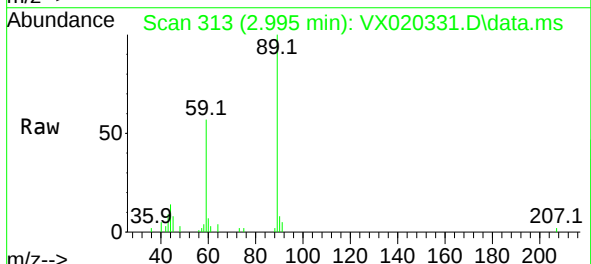
Instrument :
MSVOA_X
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RE135D2-20201211



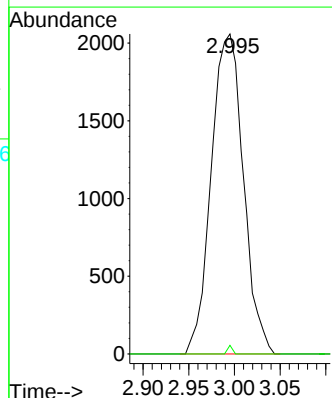
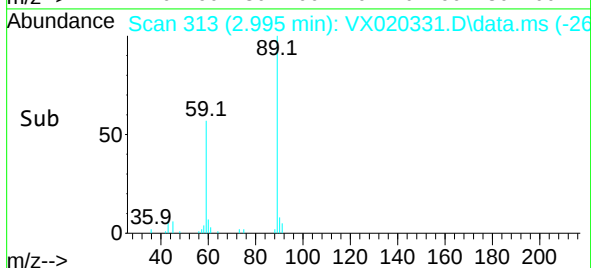
Tgt Ion:142 Resp: 1468
Ion Ratio Lower Upper
142 100
127 40.0 33.3 49.9
141 12.1 11.4 17.0

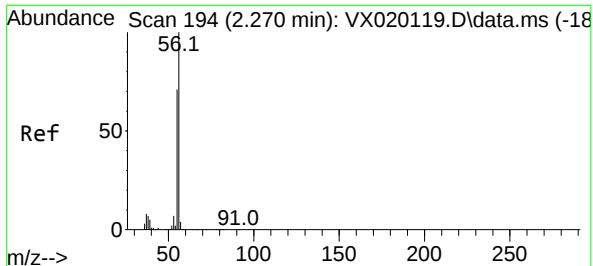


#11
Tert butyl alcohol
Concen: 6.28 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23



Tgt Ion: 59 Resp: 5037
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.8#

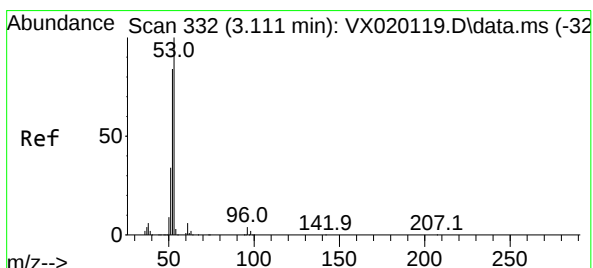
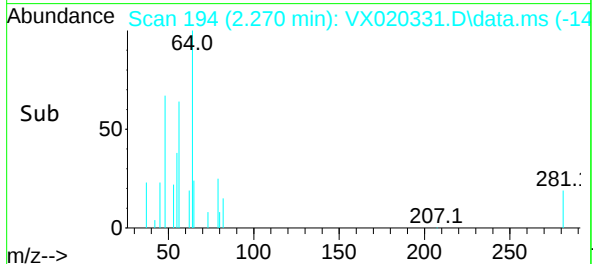
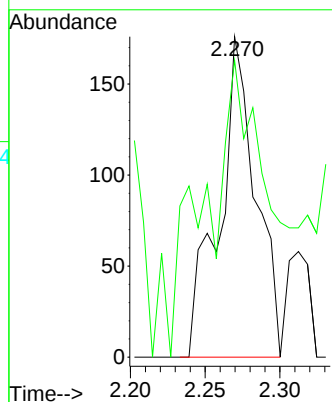
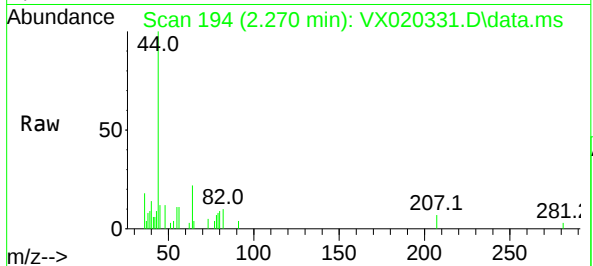




#13
Acrolein
Concen: 0.60 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

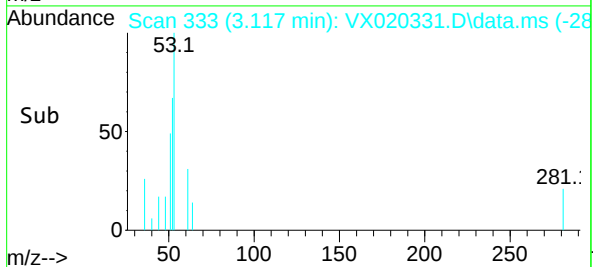
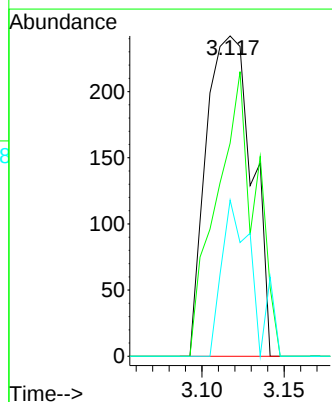
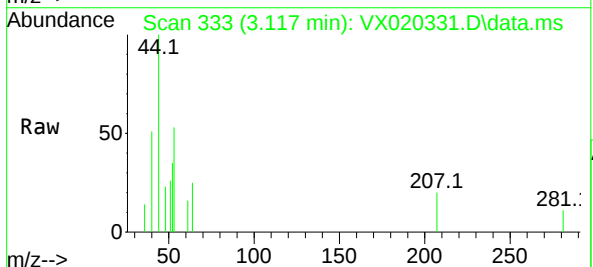
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 105.7 56.4 84.6#



#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 53 Resp: 470
Ion Ratio Lower Upper
53 100
52 75.7 65.3 97.9
51 32.6 28.2 42.2

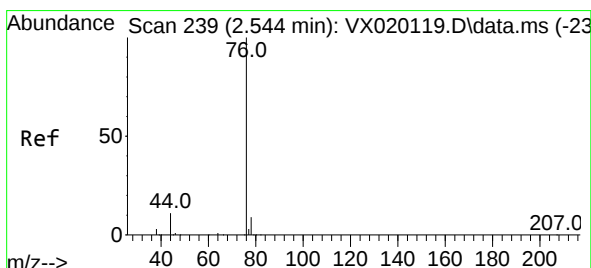
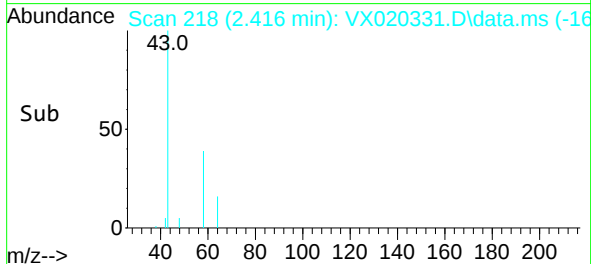
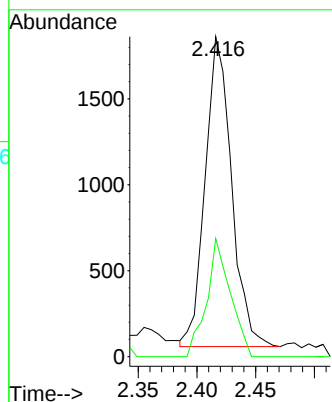
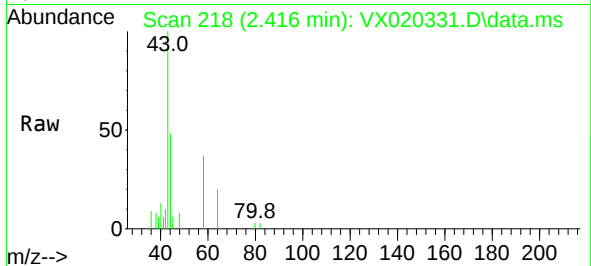




#16
Acetone
Concen: 1.72 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

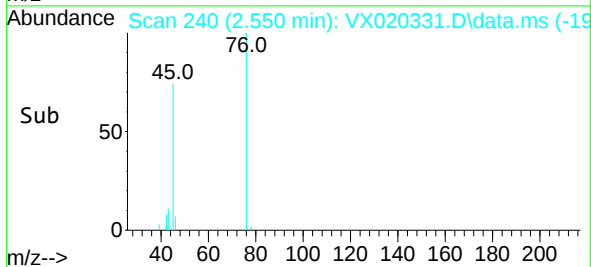
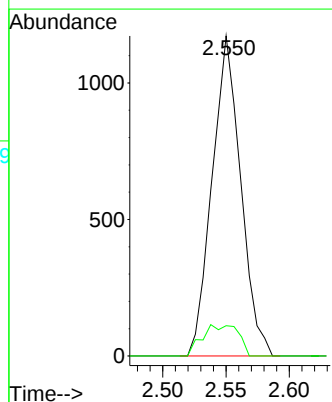
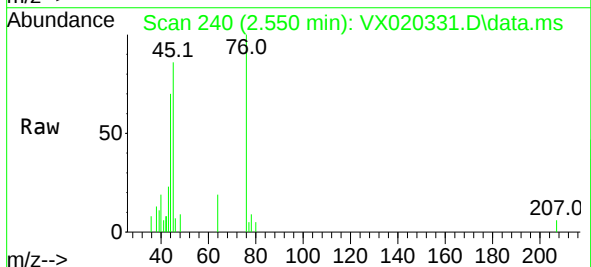
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

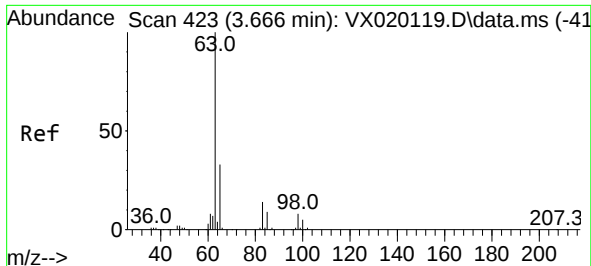
Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
58 38.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

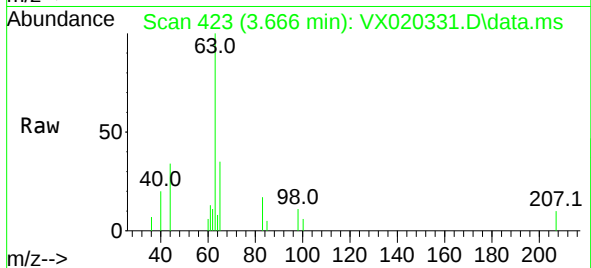
Tgt Ion: 76 Resp: 1843
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



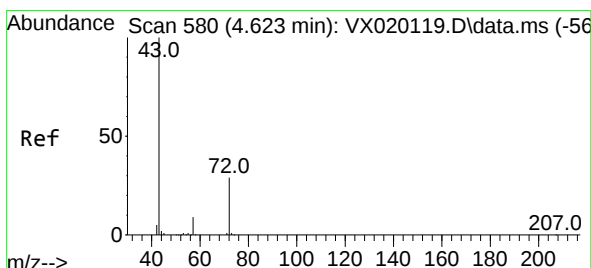
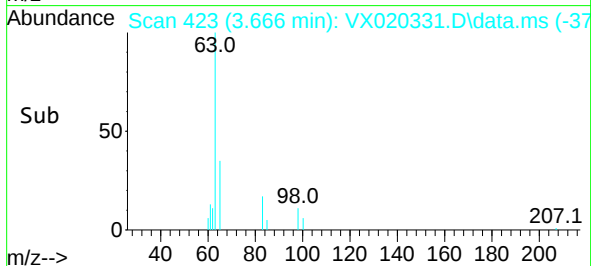
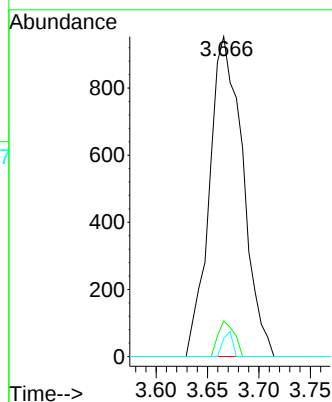


#24
1,1-Dichloroethane
Concen: 0.37 ug/l
RT: 3.666 min Scan# 423
Delta R.T. -0.000 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

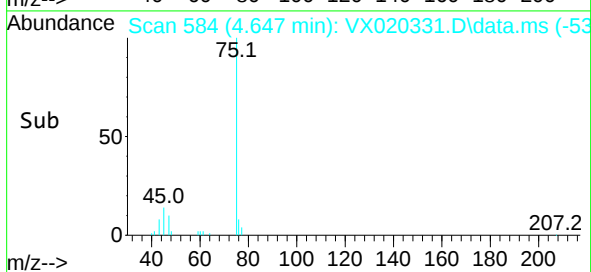
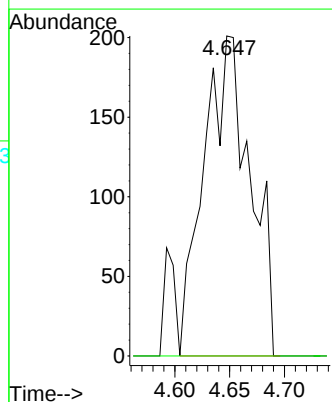
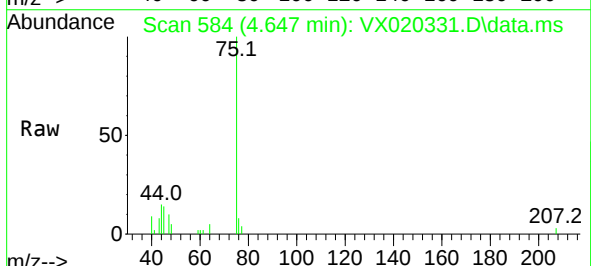


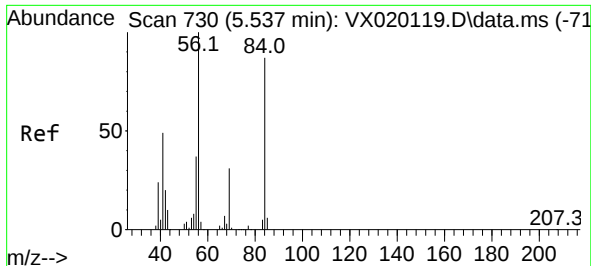
Tgt Ion: 63	Resp: 2150
Ion Ratio	Lower Upper
63	100
98	11.1 3.8 11.2
100	5.7 2.5 7.5



#25
2-Butanone
Concen: 0.25 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.024 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

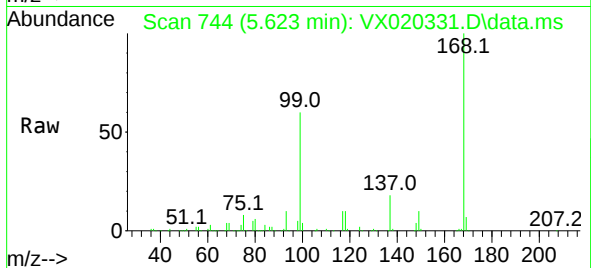
Tgt Ion: 43	Resp: 592
Ion Ratio	Lower Upper
43	100
72	0.0 23.7 35.5#



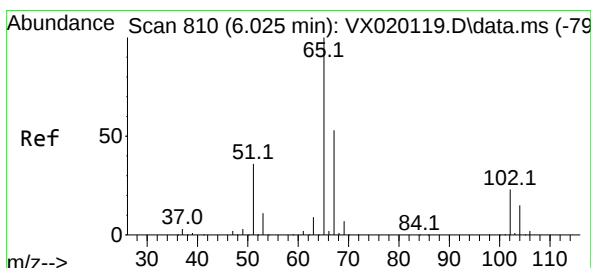
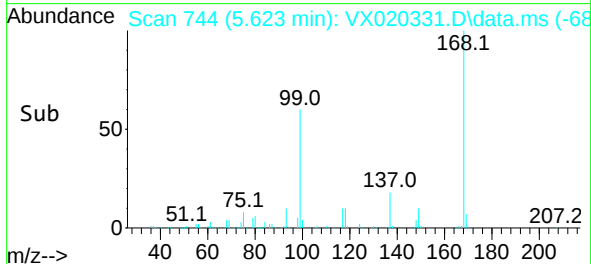
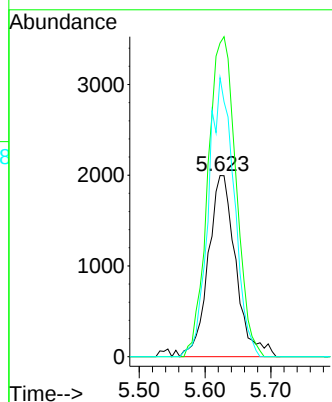


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Instrument :
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ClientSampleId :
RE135D2-20201211

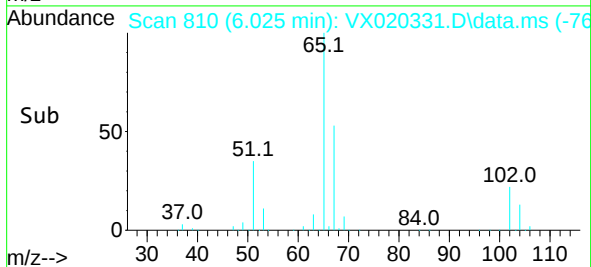
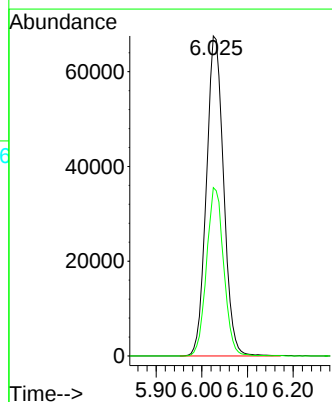
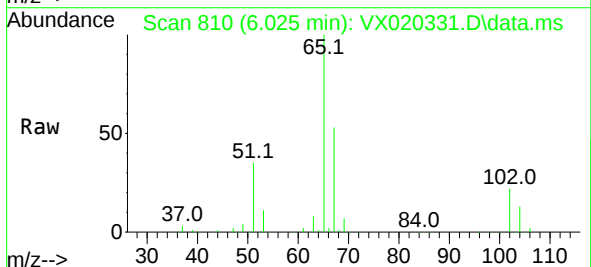


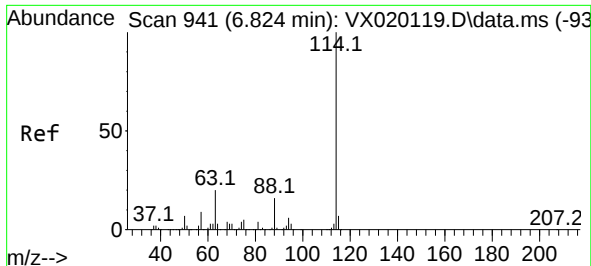
Tgt Ion: 56 Resp: 5795
Ion Ratio Lower Upper
56 100
69 173.1 25.3 37.9#
84 154.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.31 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 65 Resp: 176645
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

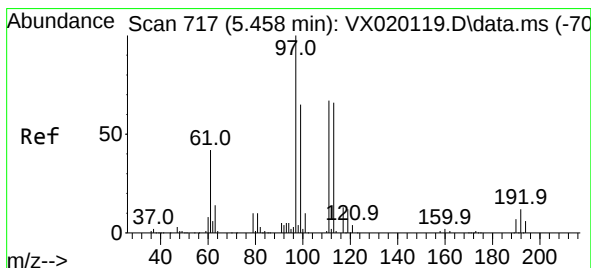
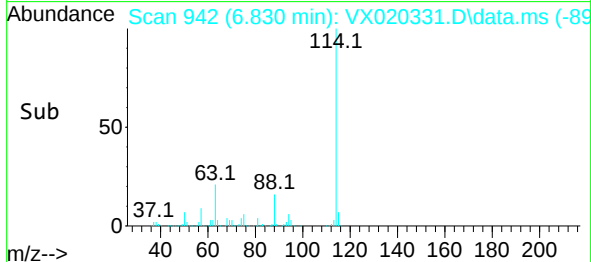
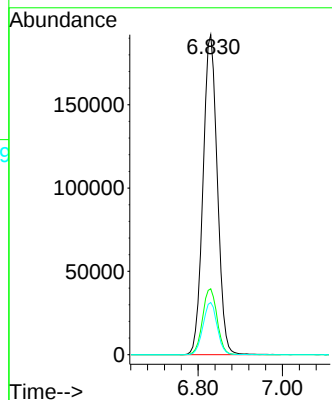
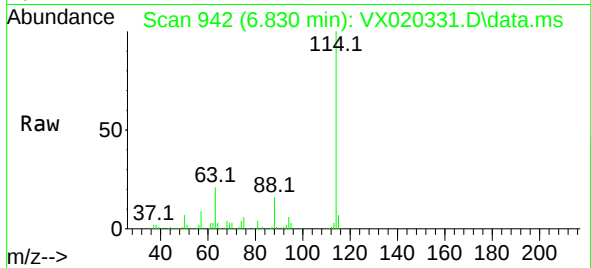




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

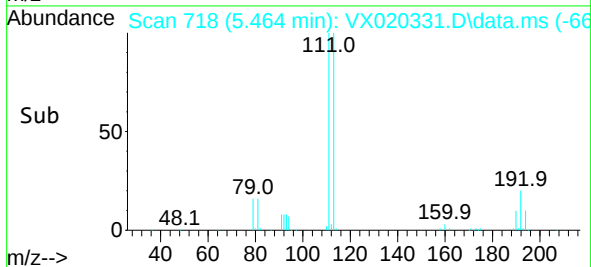
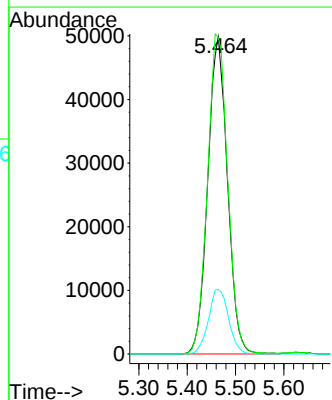
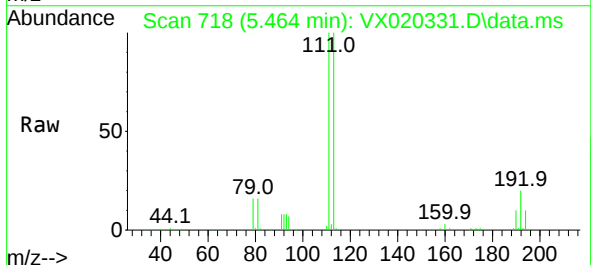
Instrument :
MSVOA_X
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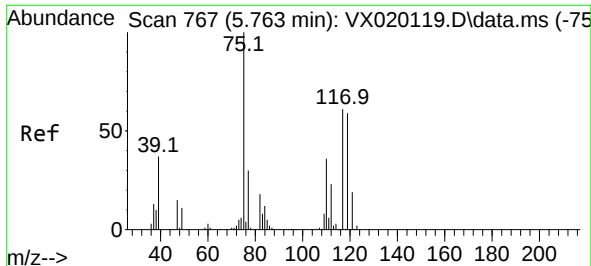
Tgt Ion:114 Resp: 452718
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.66 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion:113 Resp: 140914
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.8 16.7 25.1

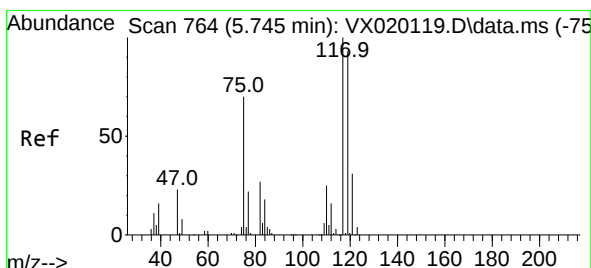
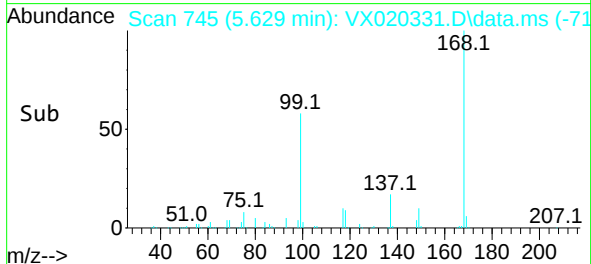
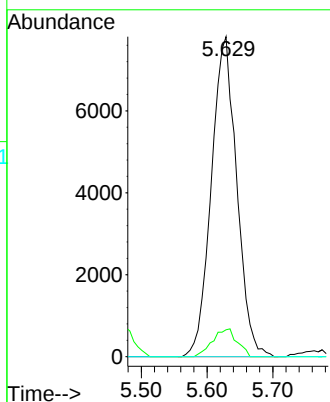
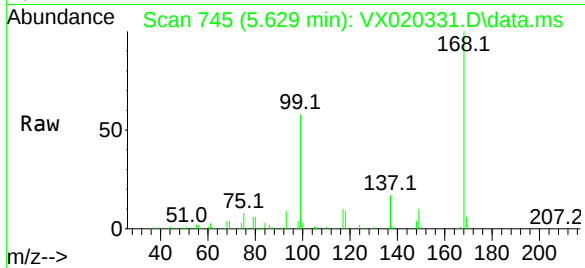




#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

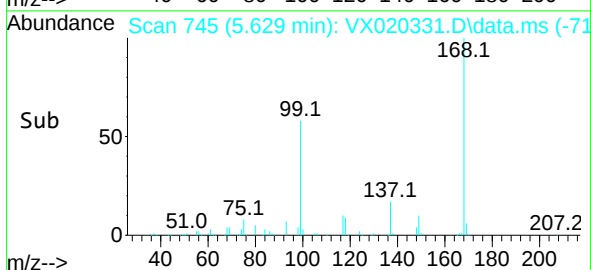
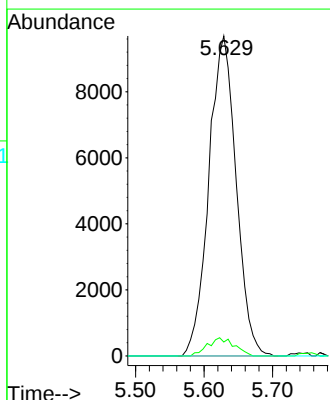
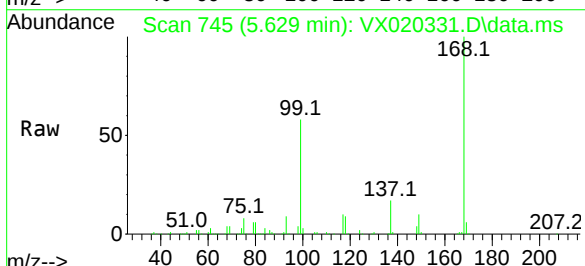
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

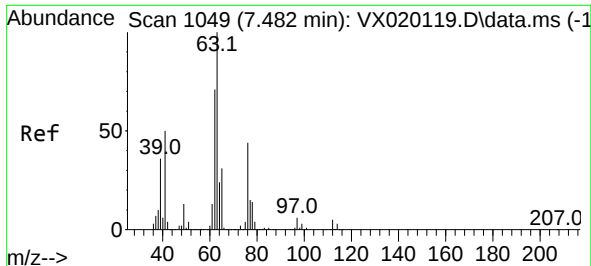
Tgt Ion: 75 Resp: 21009
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 117 Resp: 26828
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#

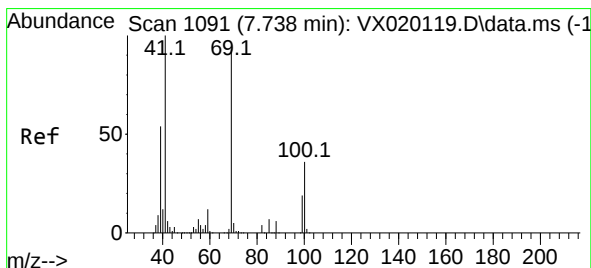
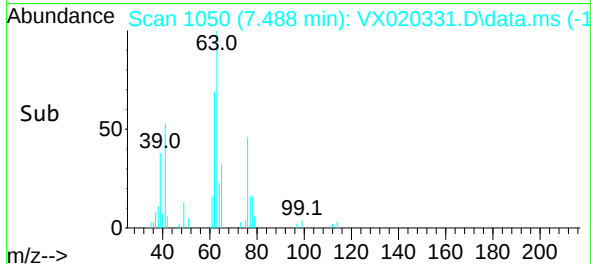
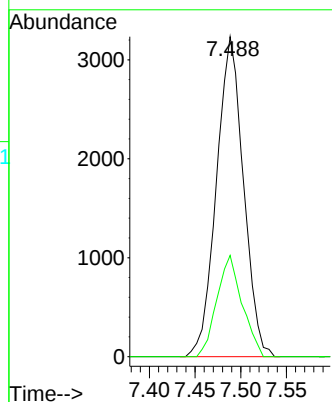
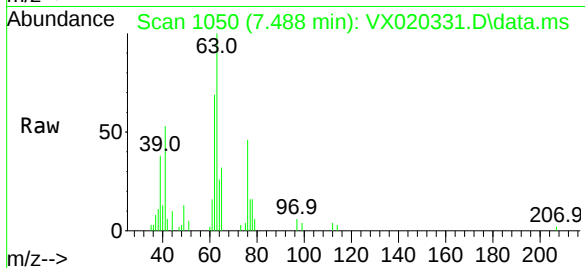




#45
1,2-Dichloropropane
Concen: 1.89 ug/l
RT: 7.488 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

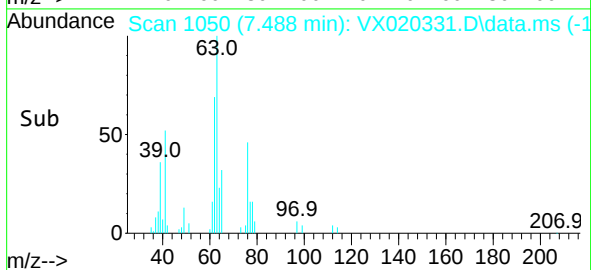
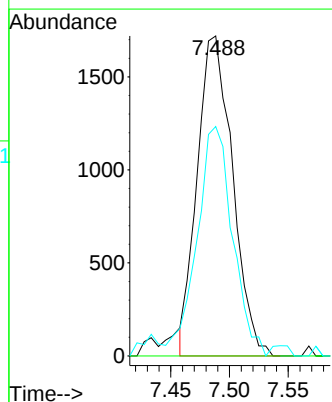
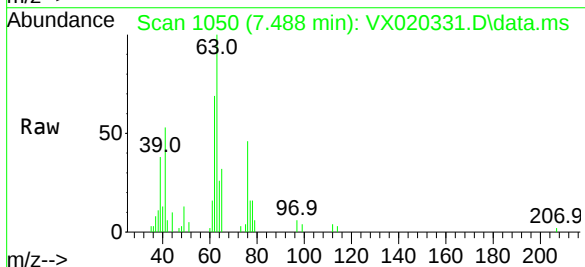
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

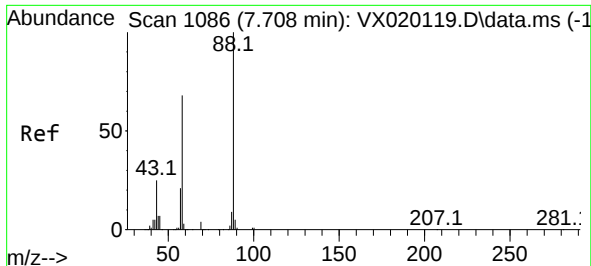
Tgt Ion: 63 Resp: 6640
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5



#48
Methyl methacrylate
Concen: 1.00 ug/l
RT: 7.488 min Scan# 1050
Delta R.T. -0.250 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 41 Resp: 3594
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 69.7 44.6 67.0#

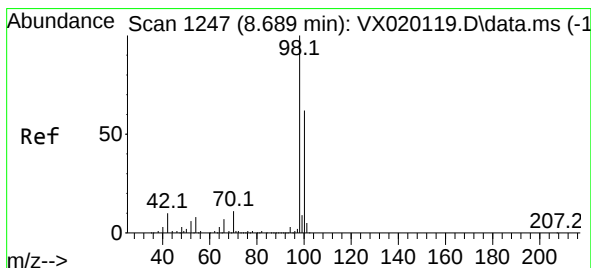
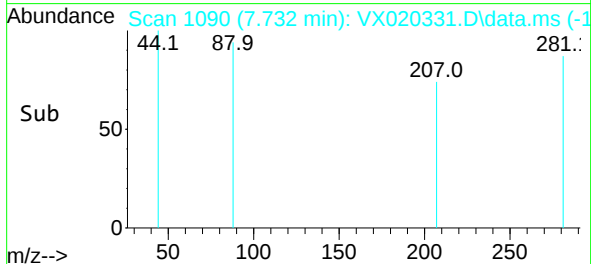
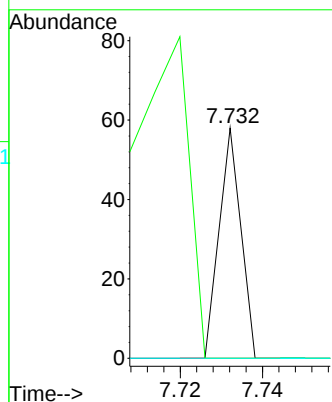
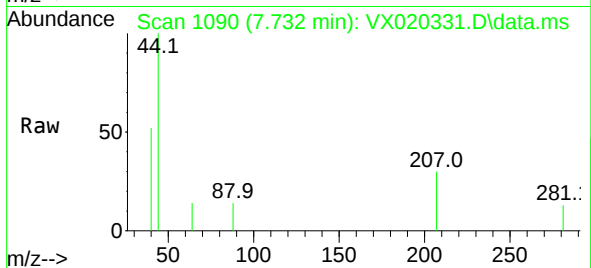




#49
1,4-Dioxane
Concen: 0.25 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.024 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

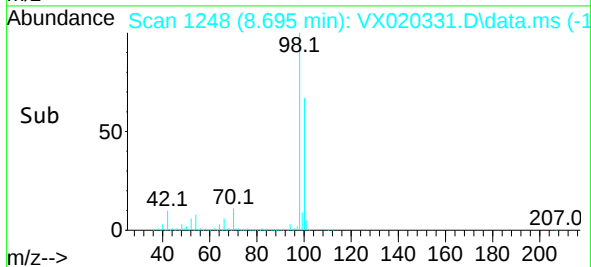
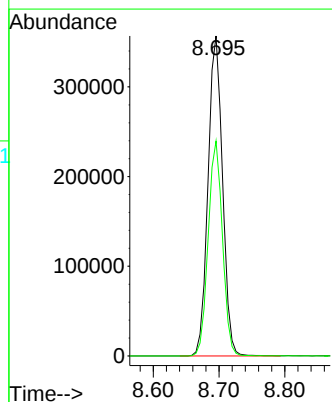
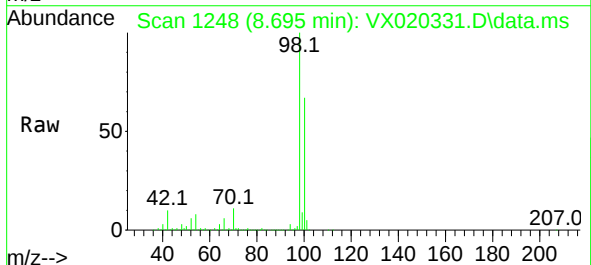
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

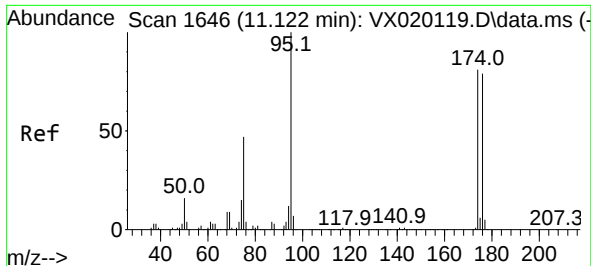
Tgt Ion:	88	Resp:	21
Ion	Ratio	Lower	Upper
88	100		
43	595.2	23.2	34.8#
58	0.0	55.0	82.4#



#50
Toluene-d8
Concen: 49.09 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion:	98	Resp:	547246
Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.9	77.9

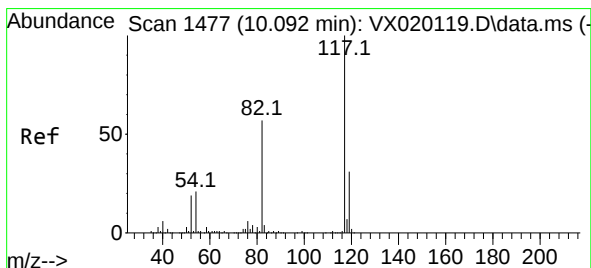
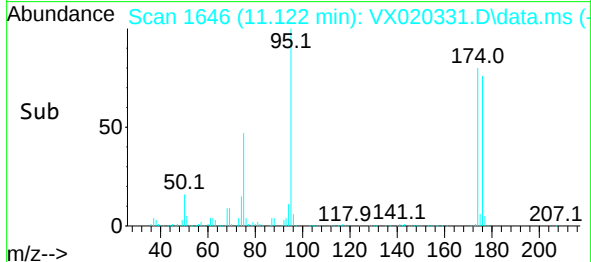
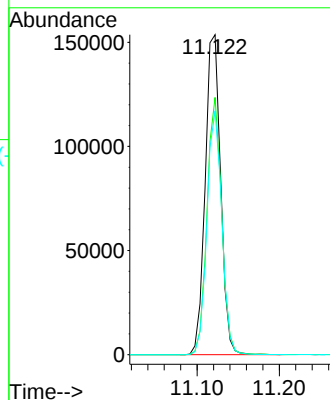
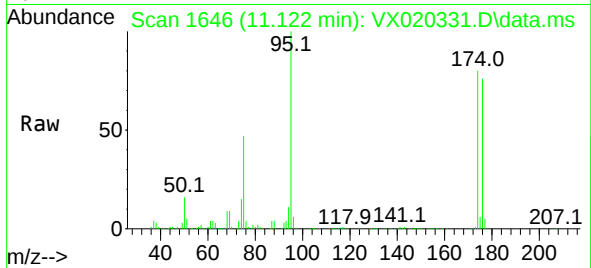




#62
4-Bromofluorobenzene
Concen: 46.93 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

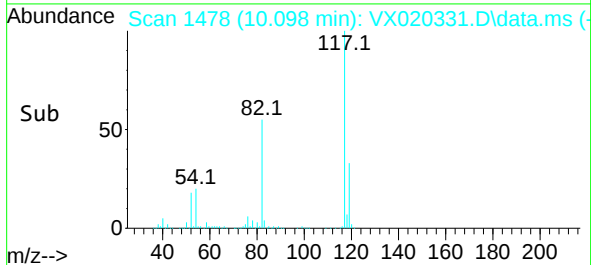
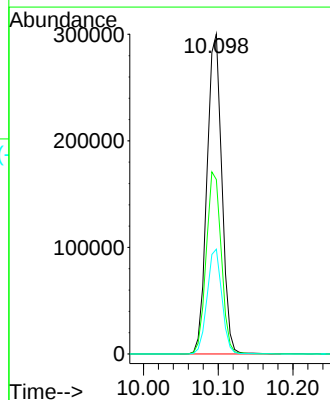
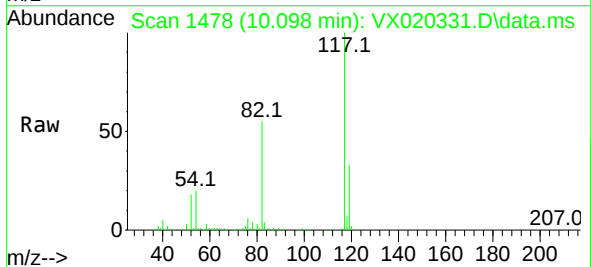
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

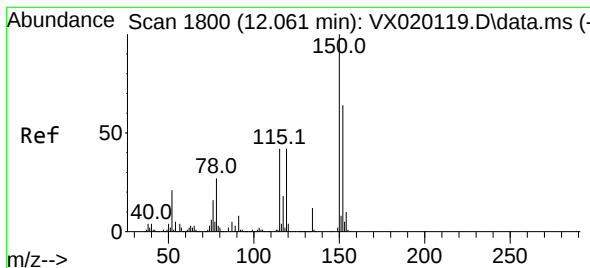
Tgt Ion: 95 Resp: 200216
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.6
176 73.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 117 Resp: 414128
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 32.8 26.6 39.8

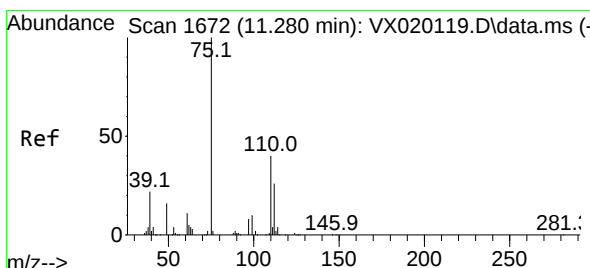
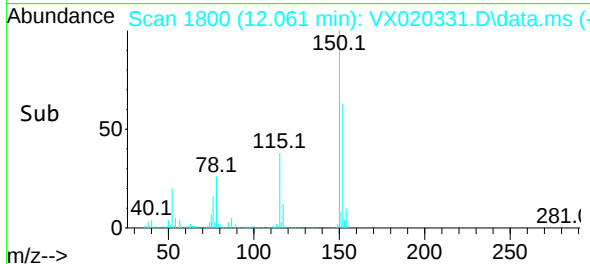
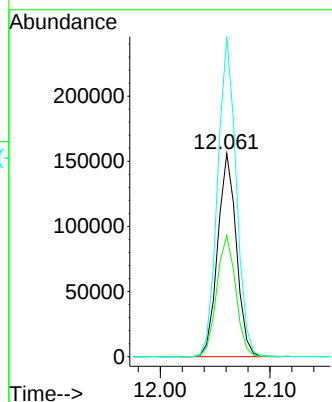
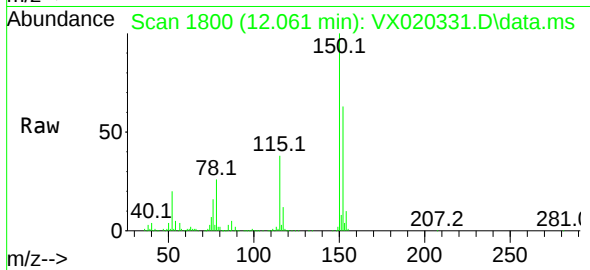




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

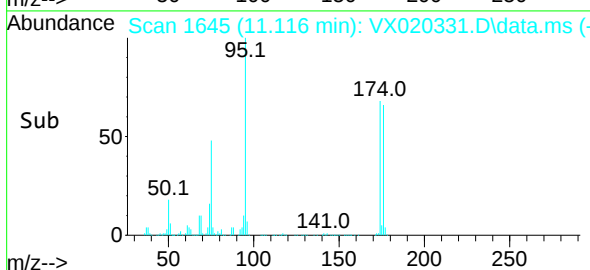
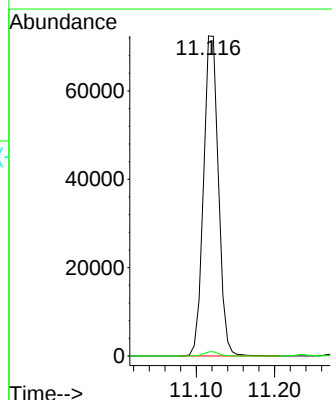
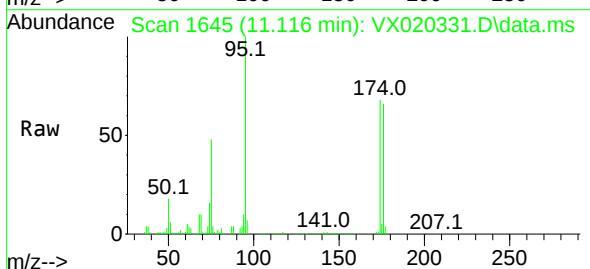
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

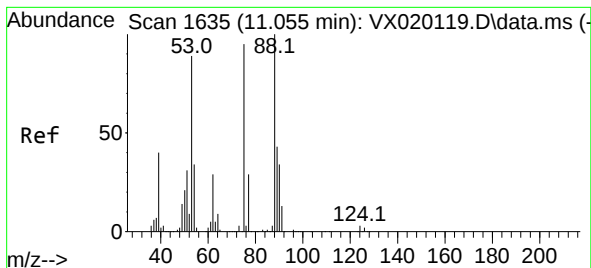
Tgt Ion:152 Resp: 184262
Ion Ratio Lower Upper
152 100
115 60.8 41.1 123.3
150 157.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.09 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 75 Resp: 95703
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

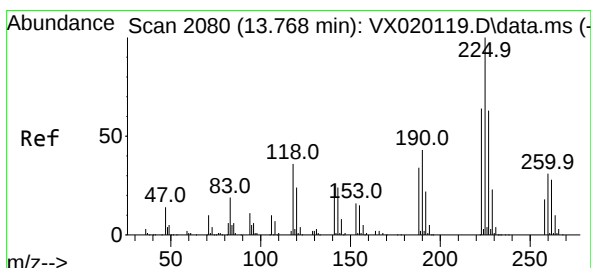
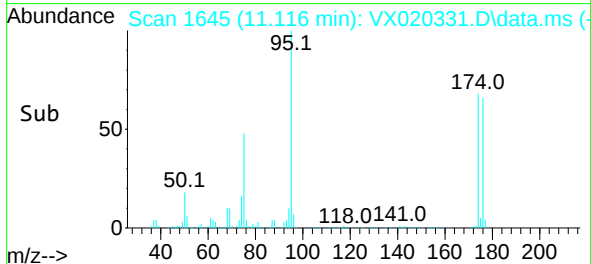
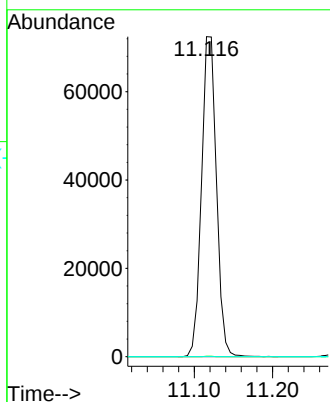
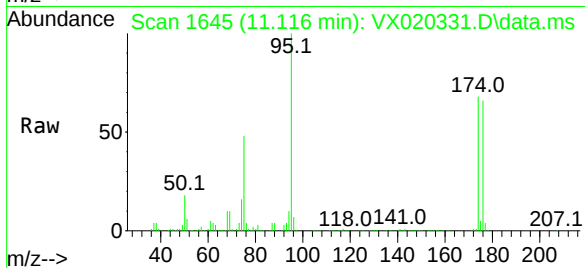




#81
trans-1,4-Dichloro-2-butene
Concen: 62.56 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20201211

Tgt Ion: 75 Resp: 95703
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.84 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.007 min
Lab File: VX020331.D
Acq: 23 Dec 2020 12:23

Tgt Ion: 225 Resp: 358
Ion Ratio Lower Upper
225 100
223 61.7 31.1 93.2
227 58.9 31.6 95.0

