

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020223.D
 Acq On : 20 Dec 2020 12:54
 Operator : JC/MD
 Sample : L5094-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5578(S)-121320

Quant Time: Dec 21 02:50:48 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	294804	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	496452	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	447872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	189627	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	192444	48.70	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.40%
35) Dibromofluoromethane	5.464	113	154376	48.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.22%
50) Toluene-d8	8.696	98	591103	48.35	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.70%
62) 4-Bromofluorobenzene	11.122	95	203320	43.46	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.92%

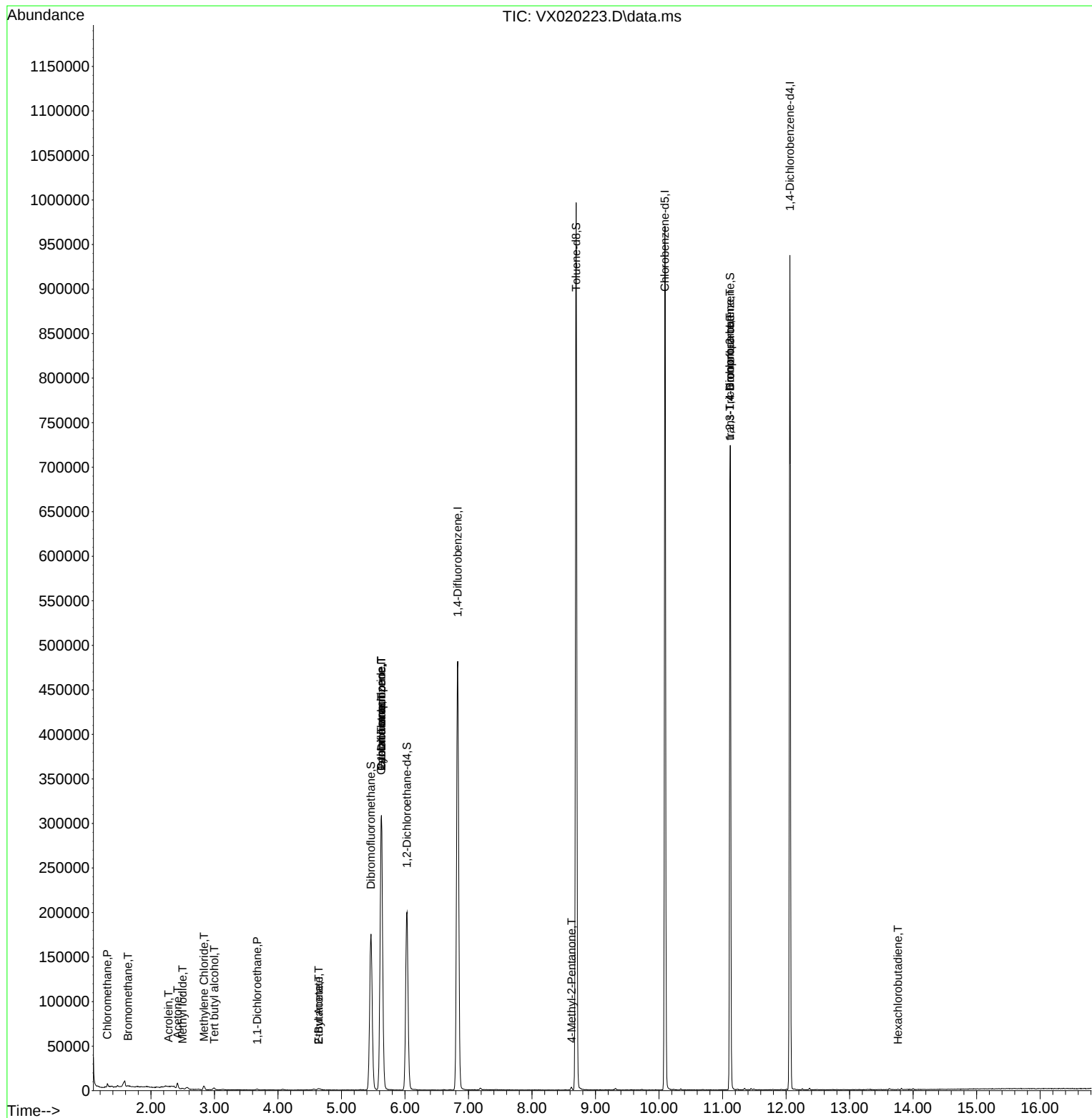
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.313	50	1786	0.48	ug/l	96
5) Bromomethane	1.636	94	698	0.54	ug/l	95
10) Methyl Iodide	2.495	142	1156	3.56	ug/l #	92
11) Tert butyl alcohol	2.995	59	1331	1.50	ug/l #	73
13) Acrolein	2.276	56	160	0.29	ug/l #	1
16) Acetone	2.416	43	6619	3.67	ug/l	97
20) Methylene Chloride	2.837	84	1876	0.46	ug/l #	83
24) 1,1-Dichloroethane	3.672	63	1303	0.20	ug/l #	81
25) 2-Butanone	4.641	43	1076	0.41	ug/l #	87
31) Cyclohexane	5.629	56	5893	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	22901	4.67	ug/l #	48
37) Ethyl Acetate	4.641	43	1076	0.21	ug/l #	64
38) Carbon Tetrachloride	5.623	117	29183	6.25	ug/l #	17
51) 4-Methyl-2-Pentanone	8.622	43	2020	0.41	ug/l	96
76) 1,2,3-Trichloropropane	11.116	75	99499	21.30	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	99499	63.20	ug/l #	12
94) Hexachlorobutadiene	13.762	225	135	2.72	ug/l	81

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

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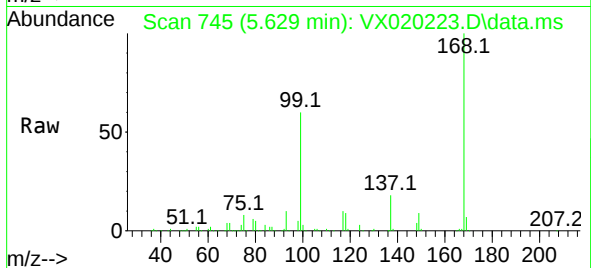
Quant Time: Dec 21 02:50:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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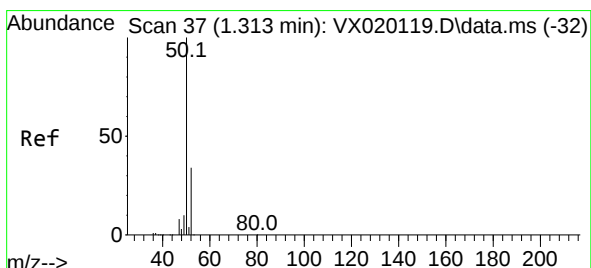
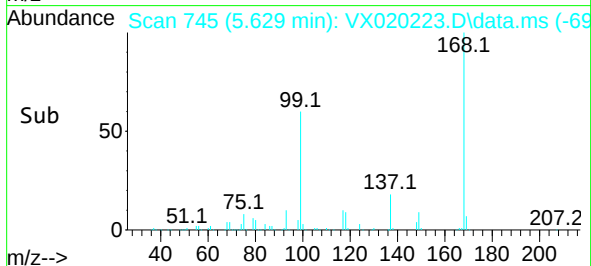
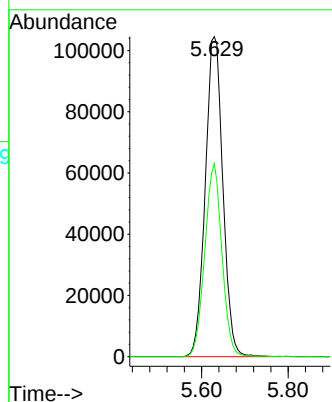


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

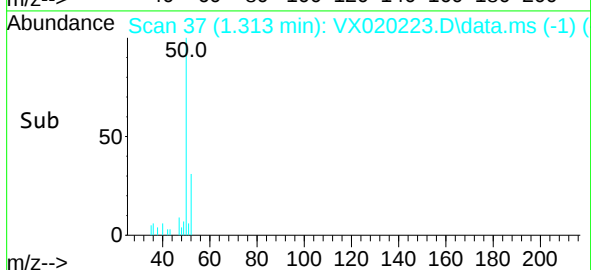
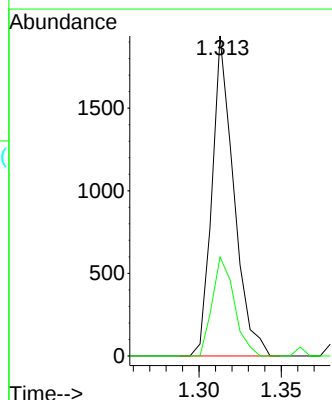
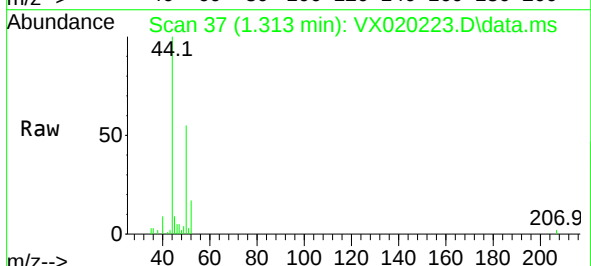


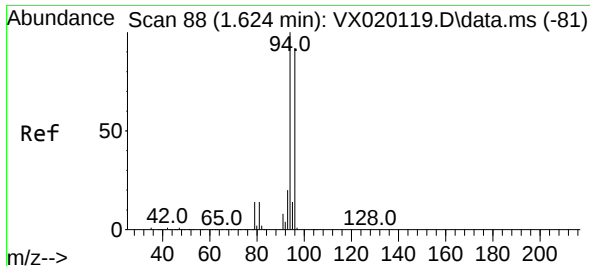
Tgt Ion:168 Resp: 294804
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#3
Chloromethane
Concen: 0.48 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Tgt Ion: 50 Resp: 1786
Ion Ratio Lower Upper
50 100
52 30.9 26.4 39.6

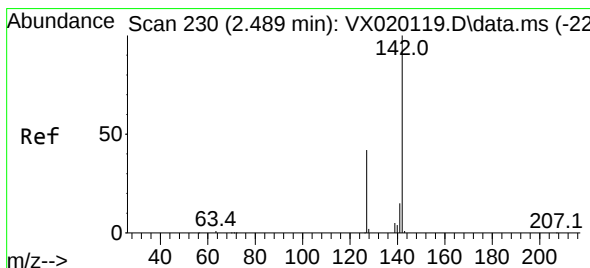
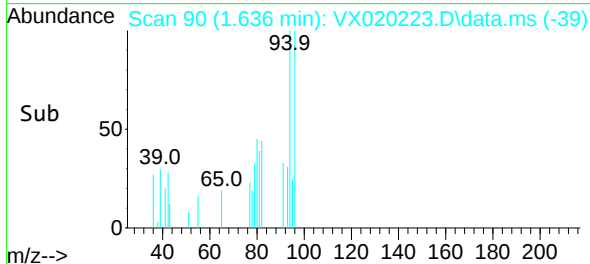
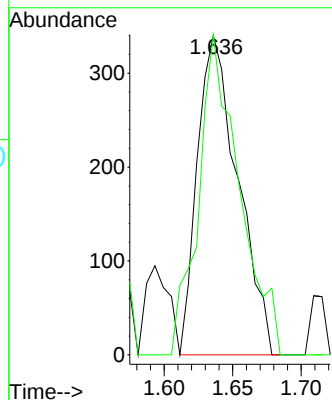
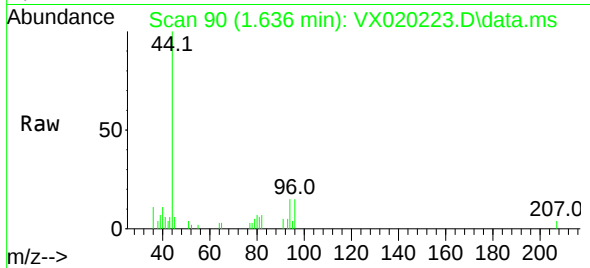




#5
Bromomethane
Concen: 0.54 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

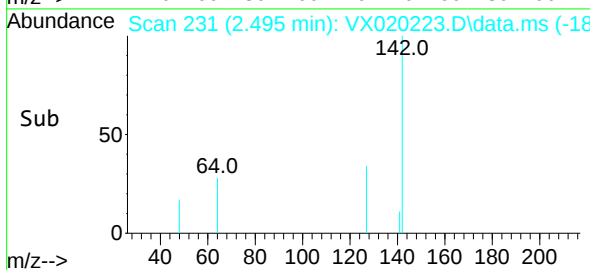
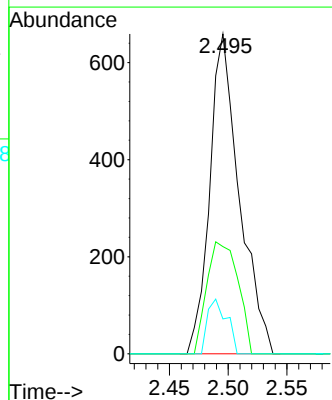
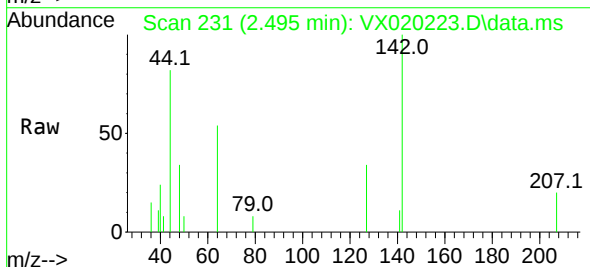
Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

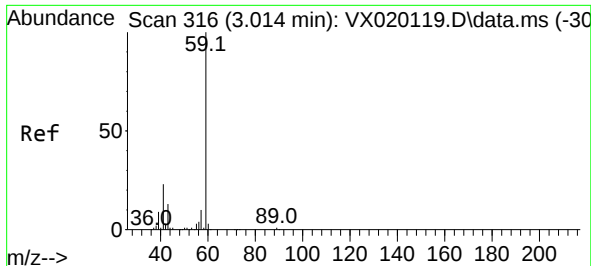
Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 100.3 76.4 114.6



#10
Methyl Iodide
Concen: 3.56 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

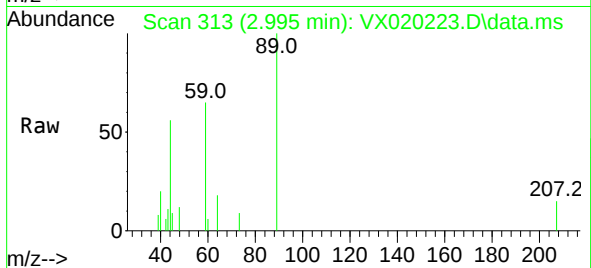
Tgt Ion: 142 Resp: 1156
Ion Ratio Lower Upper
142 100
127 36.8 33.3 49.9
141 11.2 11.4 17.0#



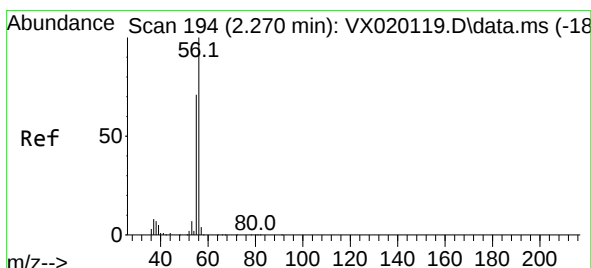
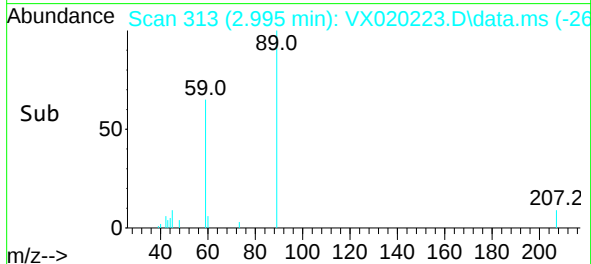
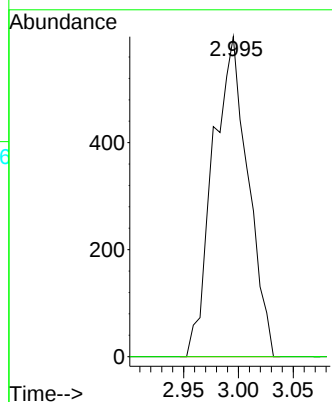


#11
Tert butyl alcohol
Concen: 1.50 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

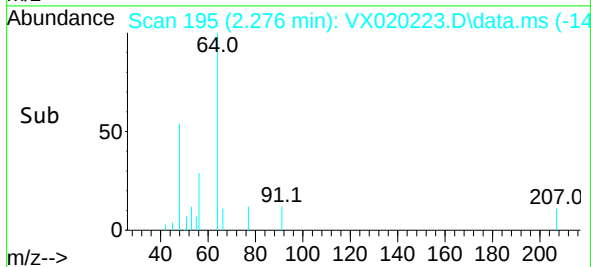
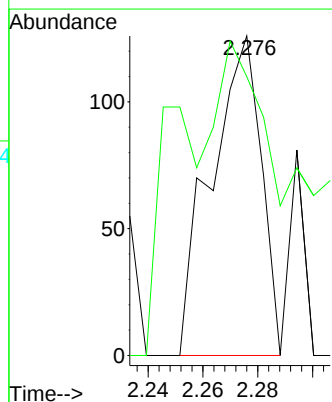
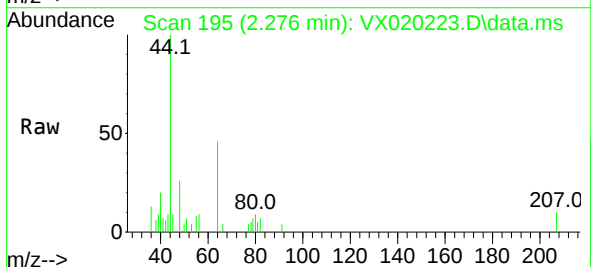


Tgt Ion: 59 Resp: 1331
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.29 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 156.9 56.4 84.6#

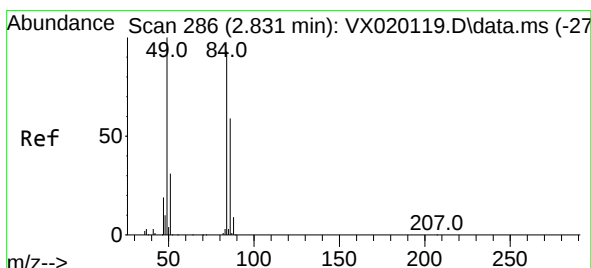
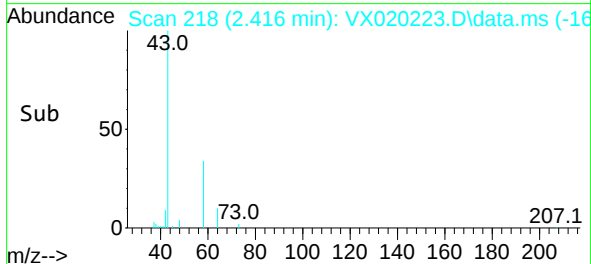
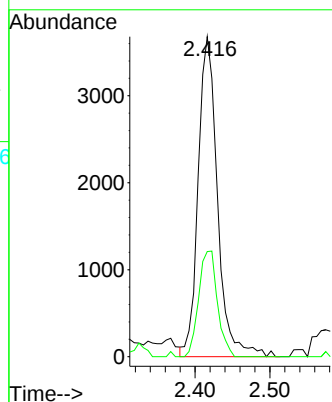
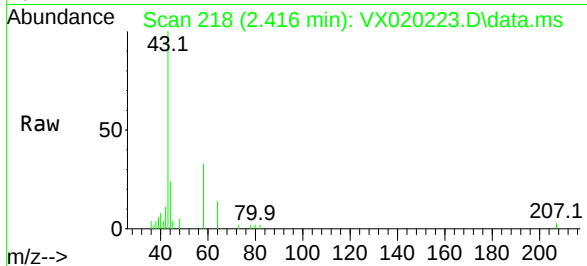




#16
Acetone
Concen: 3.67 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

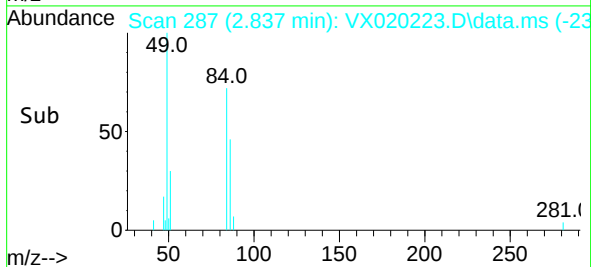
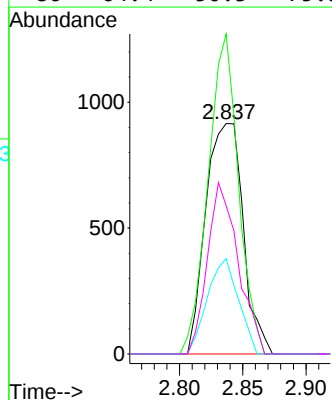
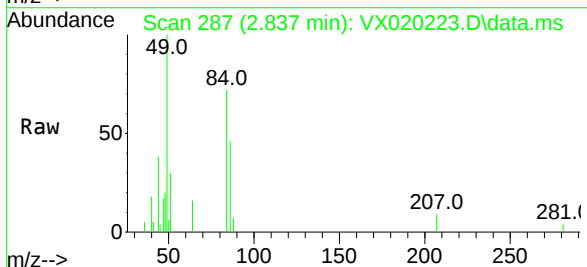
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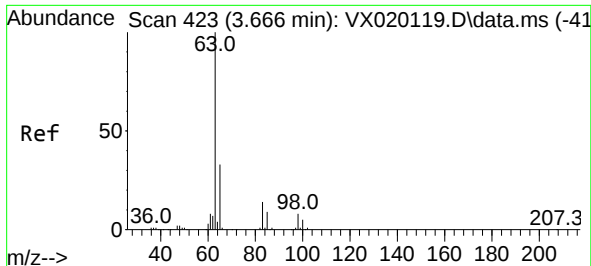
Tgt Ion: 43 Resp: 6619
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8



#20
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Tgt Ion: 84 Resp: 1876
Ion Ratio Lower Upper
84 100
49 138.9 88.6 132.8#
51 41.4 27.0 40.6#
86 64.4 50.3 75.5

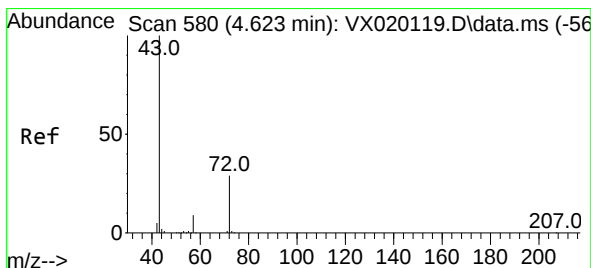
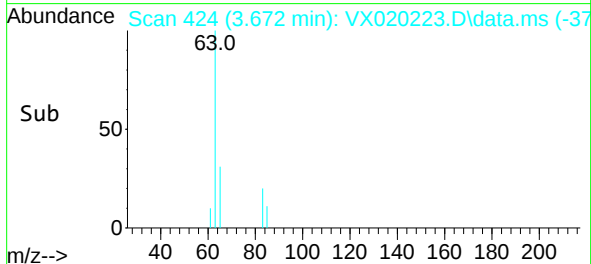
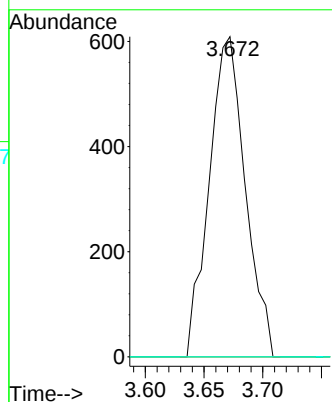
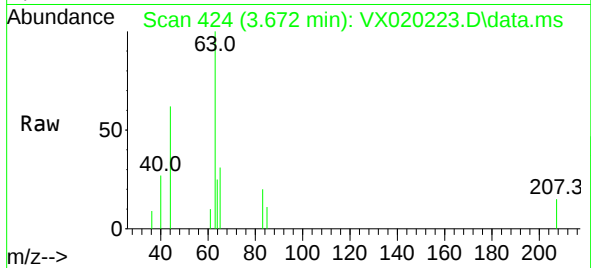




#24
1,1-Dichloroethane
Concen: 0.20 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

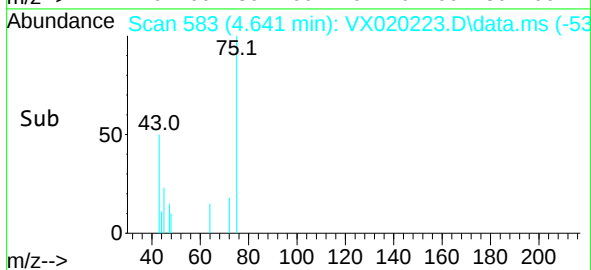
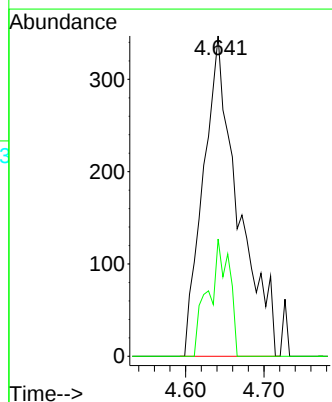
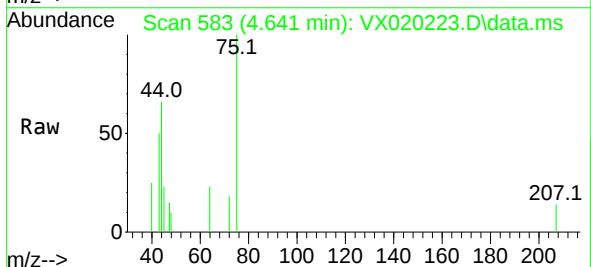
Instrument :
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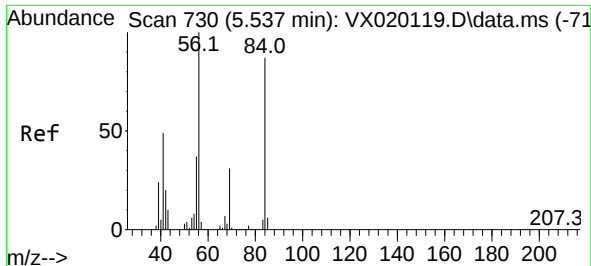
Tgt Ion: 63 Resp: 1303
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 0.41 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

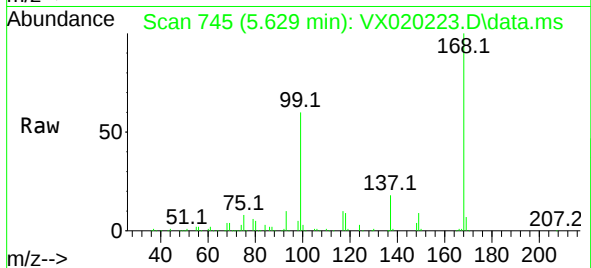
Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
72 36.6 23.7 35.5#



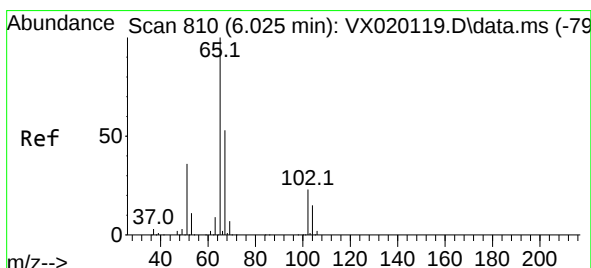
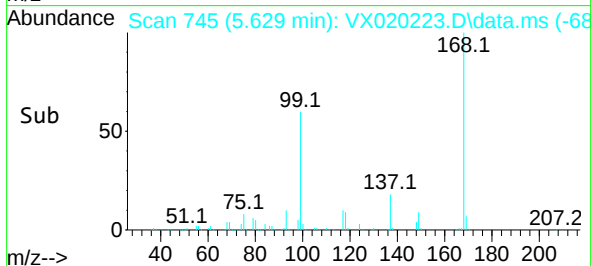
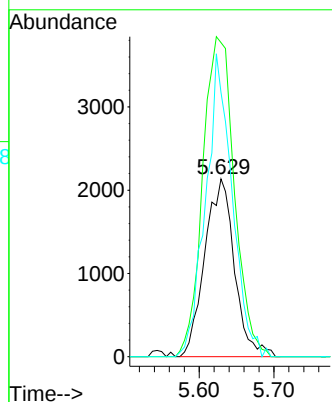


#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Instrument :
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ClientSampleId :
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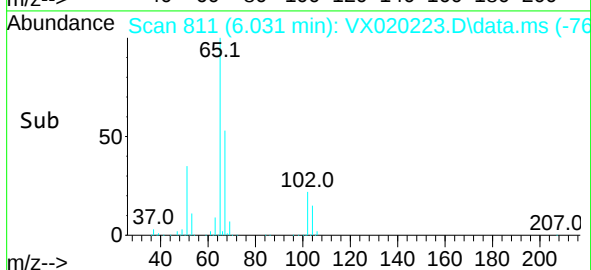
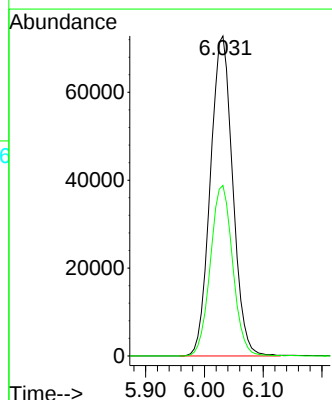
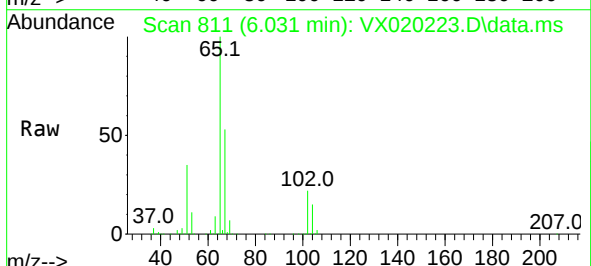


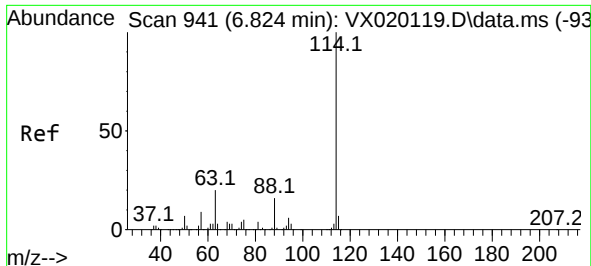
Tgt Ion: 56 Resp: 5893
Ion Ratio Lower Upper
56 100
69 176.6 25.3 37.9#
84 148.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 48.70 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

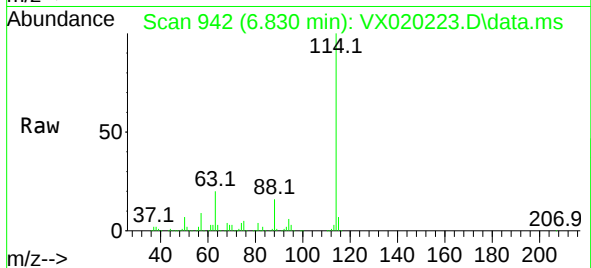
Tgt Ion: 65 Resp: 192444
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4



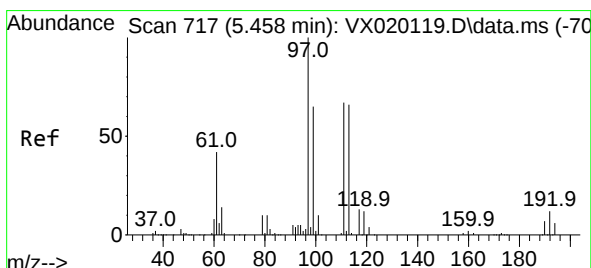
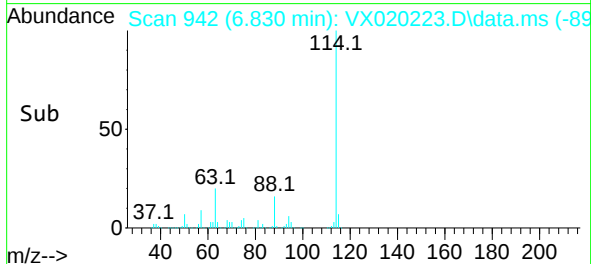
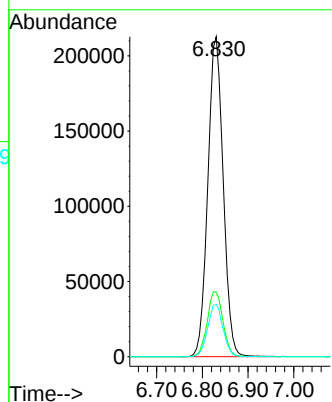


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Instrument :
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ClientSampleId :
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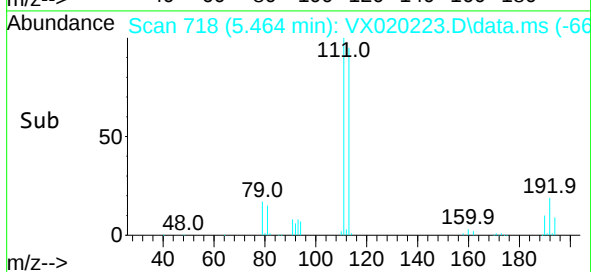
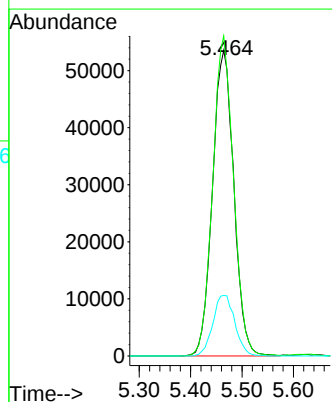
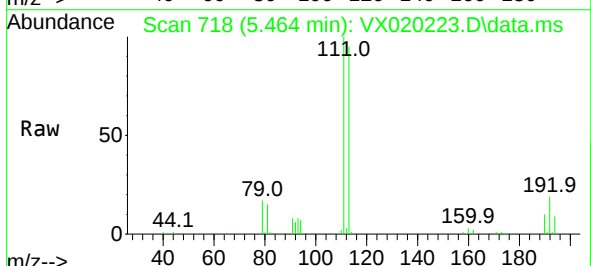


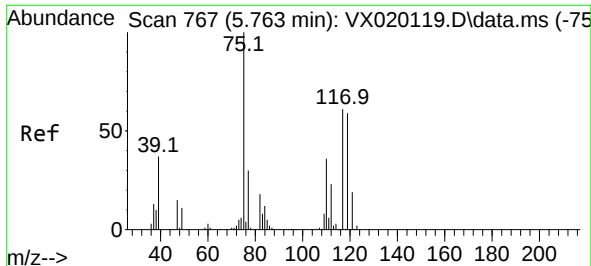
Tgt Ion:114 Resp: 496452
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.61 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

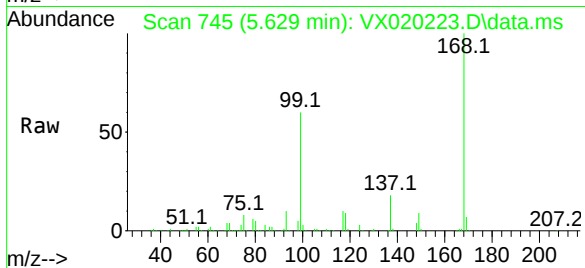
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Ion Ratio Lower Upper
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111 102.1 81.9 122.9
192 20.4 16.7 25.1



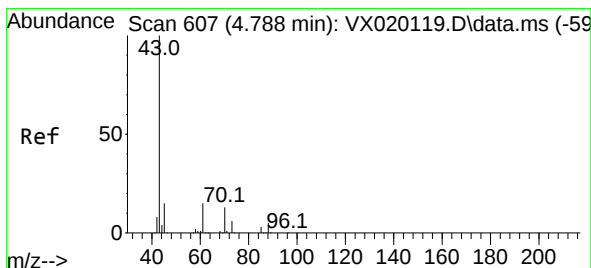
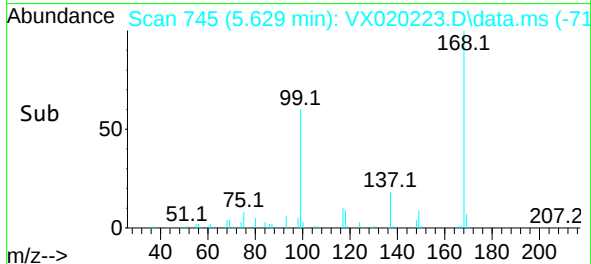
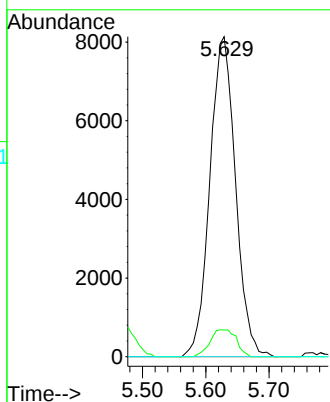


#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

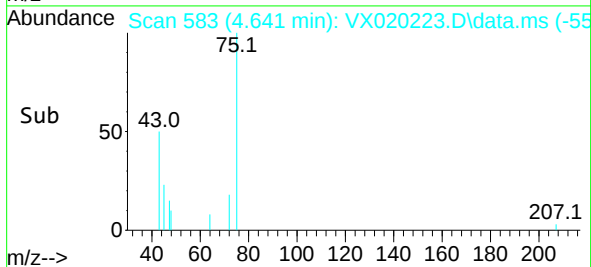
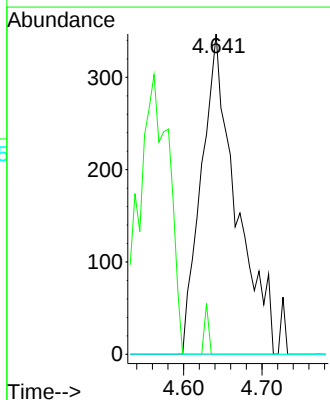
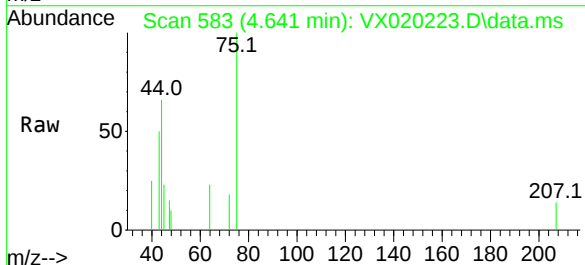


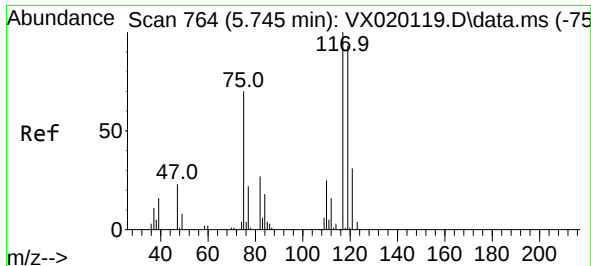
Tgt Ion: 75 Resp: 22901
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.21 ug/l
RT: 4.641 min Scan# 583
Delta R.T. -0.147 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

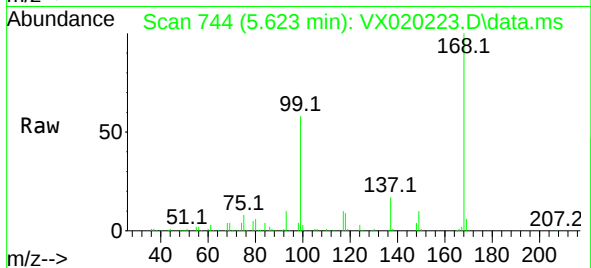
Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



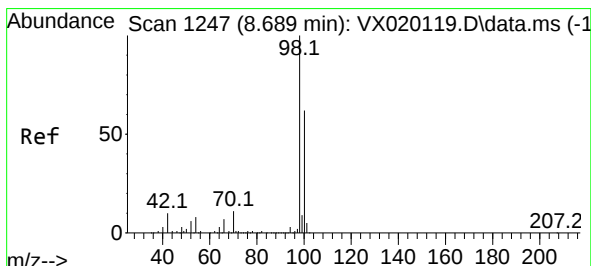
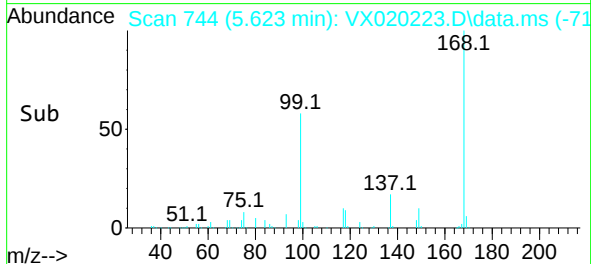
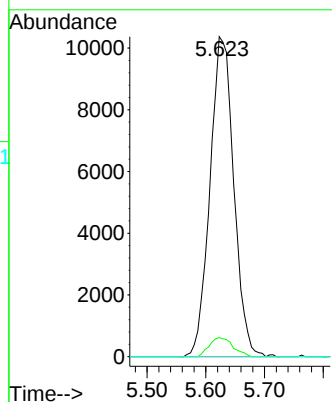


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

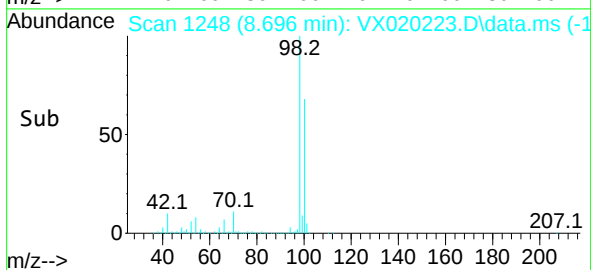
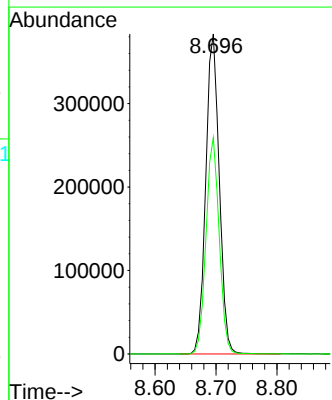
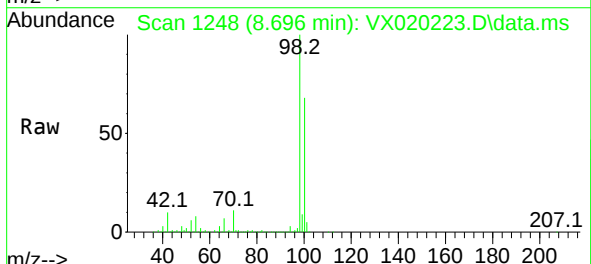


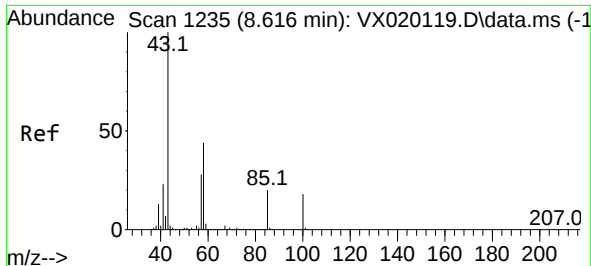
Tgt Ion:117 Resp: 29183
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.35 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Tgt Ion: 98 Resp: 591103
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

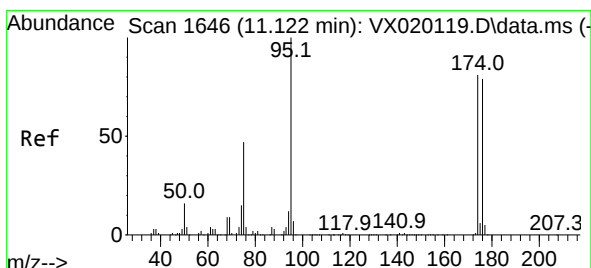
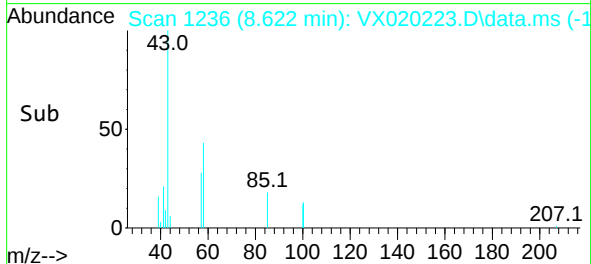
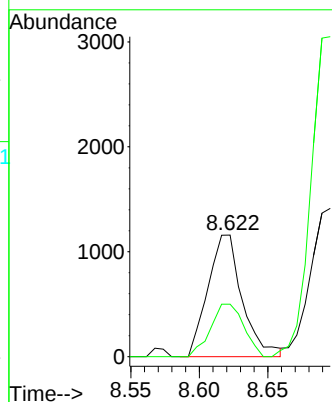
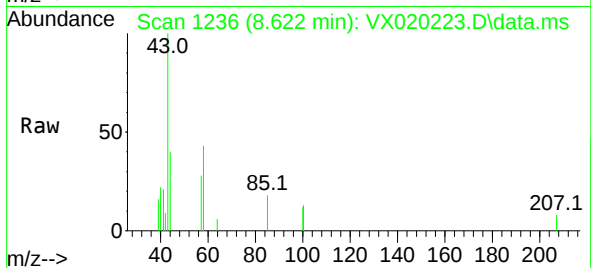




#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

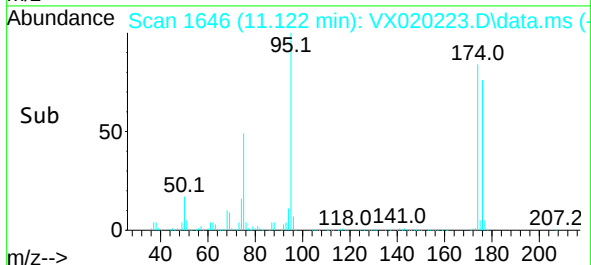
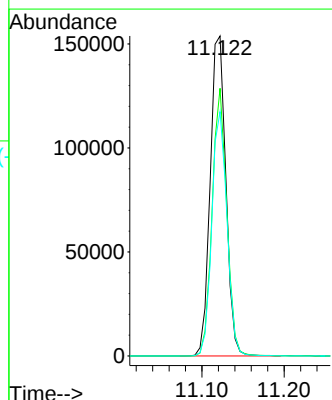
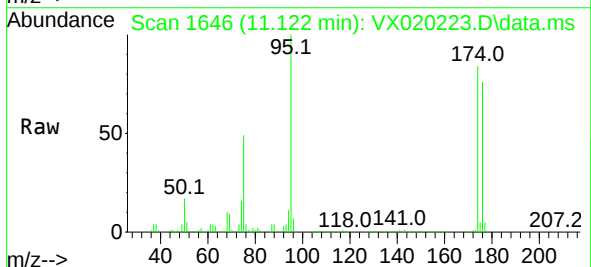
Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

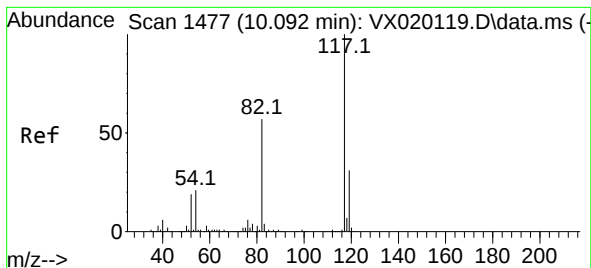
Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 41.7 35.4 53.0



#62
4-Bromofluorobenzene
Concen: 43.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Tgt Ion: 95 Resp: 203320
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 74.0 0.0 155.8

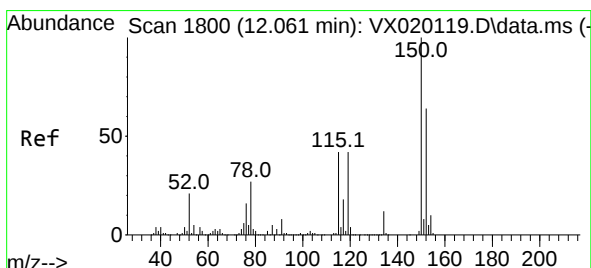
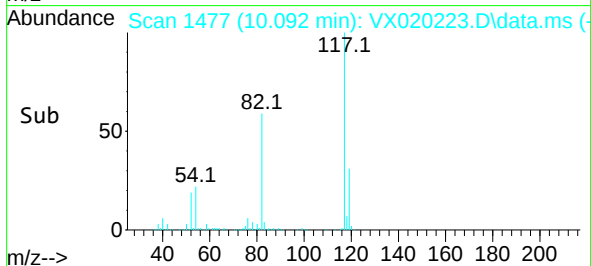
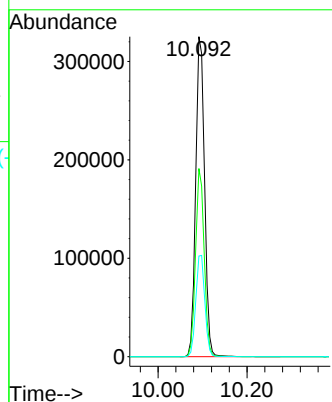
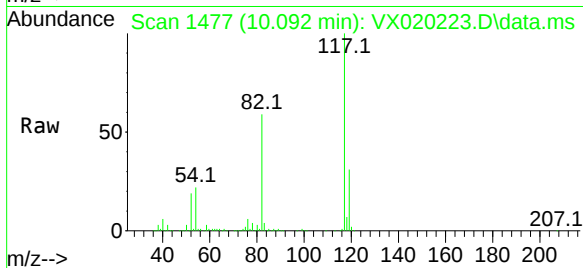




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

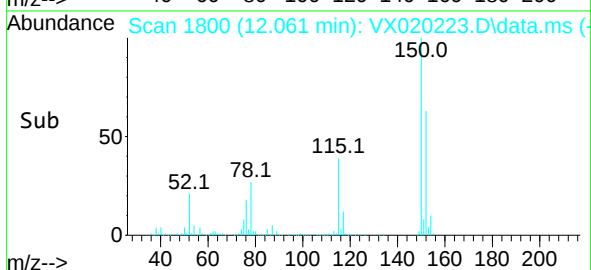
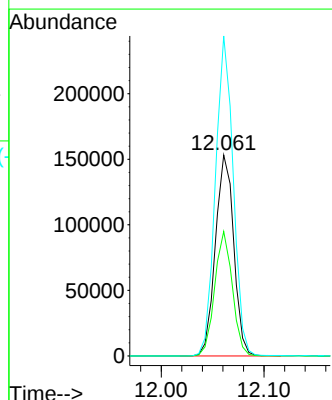
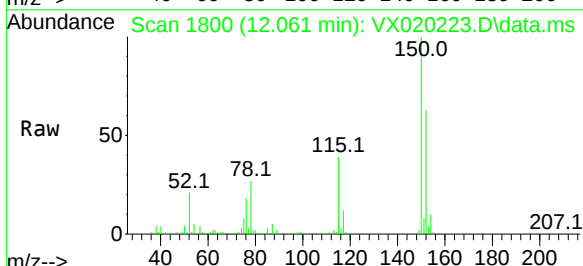
Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

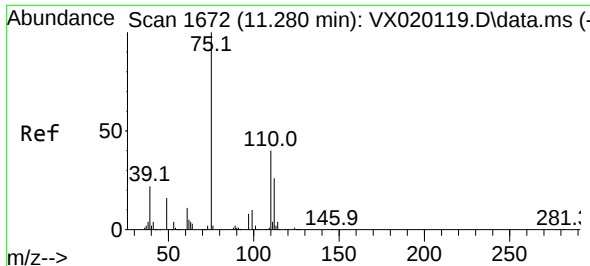
Tgt Ion:117 Resp: 447872
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

Tgt Ion:152 Resp: 189627
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 154.5 0.0 349.0

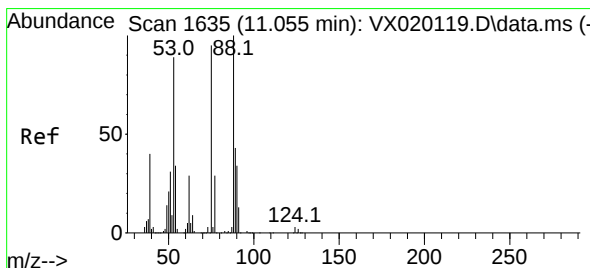
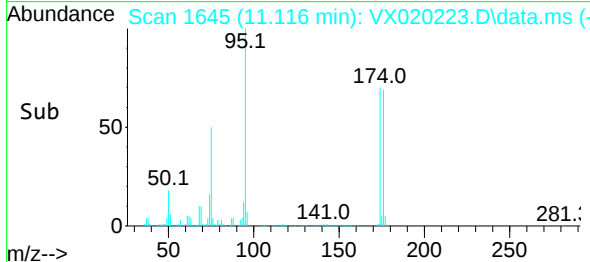
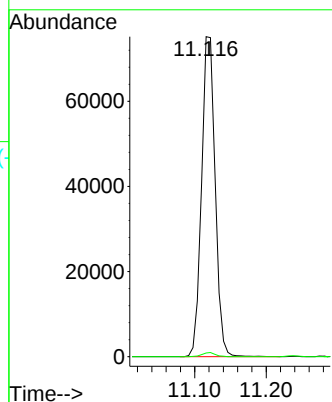
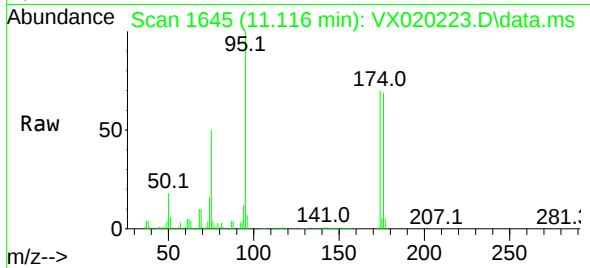




#76
1,2,3-Trichloropropane
Concen: 21.30 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

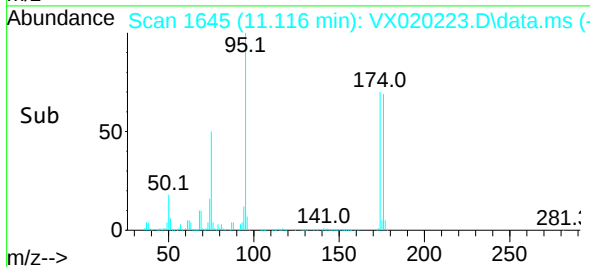
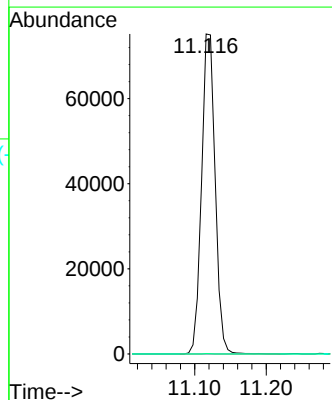
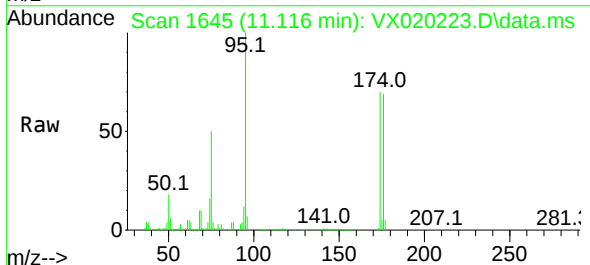
Instrument :
MSVOA_X
ClientSampleId :
49-5578(S)-121320

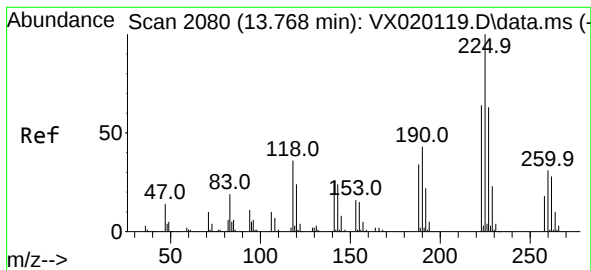
Tgt Ion: 75 Resp: 99499
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.20 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020223.D
Acq: 20 Dec 2020 12:54

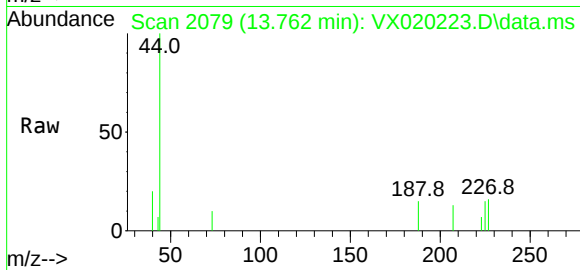
Tgt Ion: 75 Resp: 99499
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.72 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020223.D
 Acq: 20 Dec 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5578(S)-121320



Tgt Ion:	225	Resp:	135
Ion	Ratio	Lower	Upper
225	100		
223	43.0	31.1	93.2
227	53.3	31.6	95.0

