

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020189.D
 Acq On : 19 Dec 2020 22:12
 Operator : JC/MD
 Sample : L5094-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-MW016(SOB)-121320

Quant Time: Dec 21 02:38:16 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)

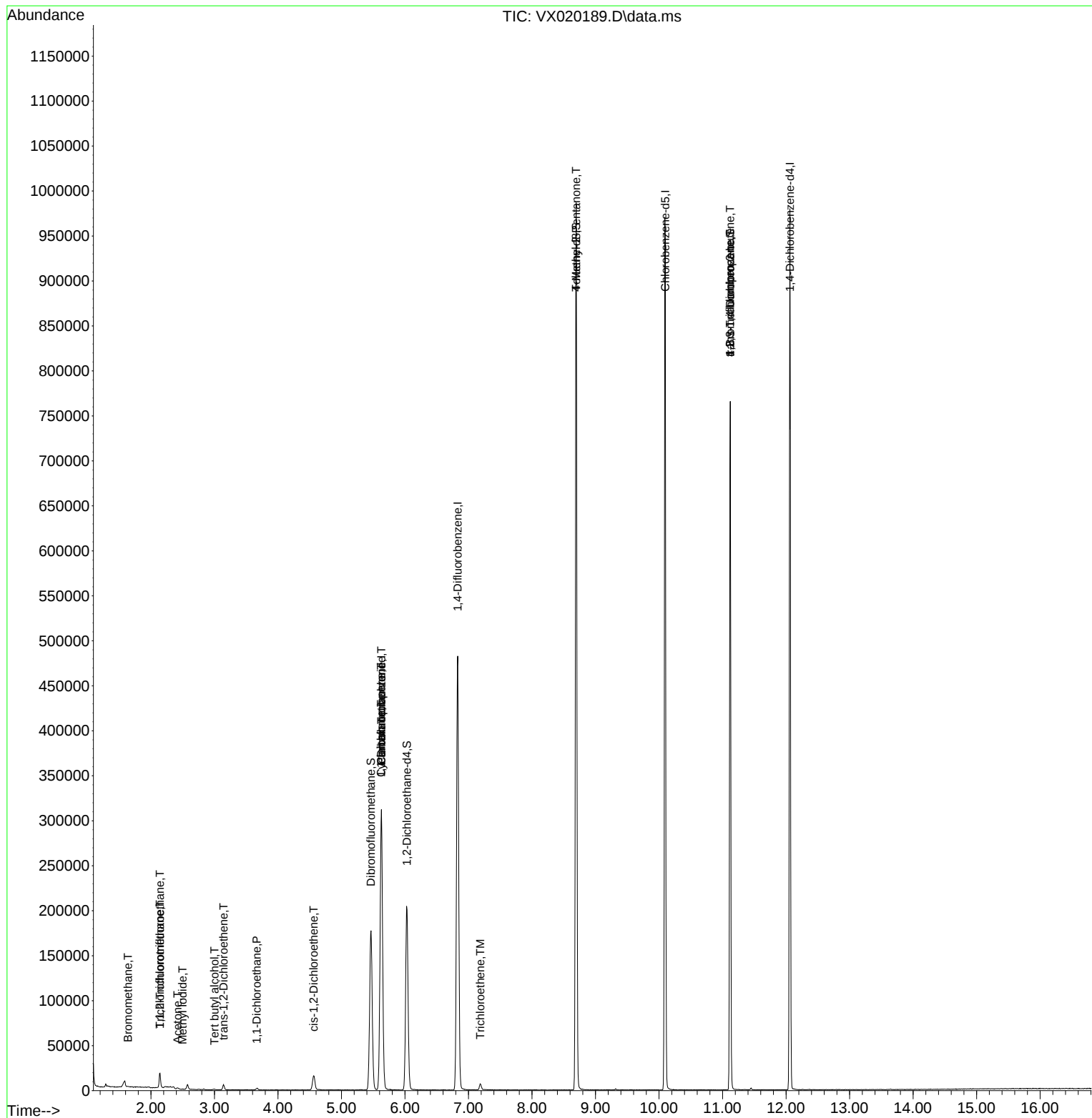
Internal Standards						
1) Pentafluorobenzene	5.629	168	292792	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	493878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	459856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	196944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	194219	49.49	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.98%
35) Dibromofluoromethane	5.464	113	155434	49.20	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.40%
50) Toluene-d8	8.696	98	598155	49.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.38%
62) 4-Bromofluorobenzene	11.122	95	209150	44.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.88%
Target Compounds						Qvalue
5) Bromomethane	1.636	94	312	0.24	ug/l #	77
7) Trichlorofluoromethane	2.142	101	1040	0.20	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.142	101	1040	0.36	ug/l #	19
10) Methyl Iodide	2.495	142	92	3.31	ug/l #	42
11) Tert butyl alcohol	3.001	59	572	0.65	ug/l #	73
16) Acetone	2.416	43	1401	0.78	ug/l	94
21) trans-1,2-Dichloroethene	3.142	96	2429	0.67	ug/l	93
24) 1,1-Dichloroethane	3.666	63	2395	0.38	ug/l #	81
27) cis-1,2-Dichloroethene	4.562	96	10863	2.65	ug/l	87
31) Cyclohexane	5.623	56	5657	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	22914	4.69	ug/l #	48
38) Carbon Tetrachloride	5.629	117	29152	6.28	ug/l #	17
44) Trichloroethene	7.184	130	2558	0.65	ug/l	98
51) 4-Methyl-2-Pentanone	8.696	43	2489	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	11.122	75	102383	21.10	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	102383	62.61	ug/l #	12

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

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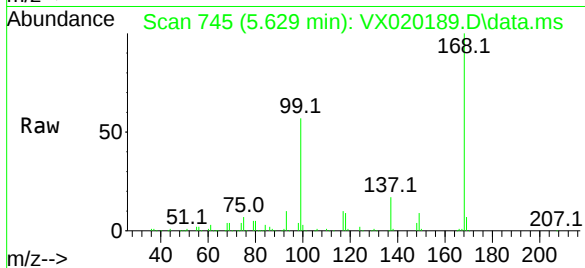
Quant Time: Dec 21 02:38:16 2020
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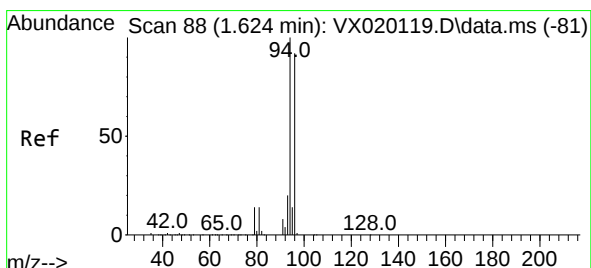
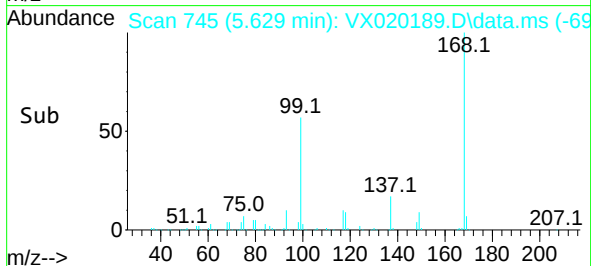
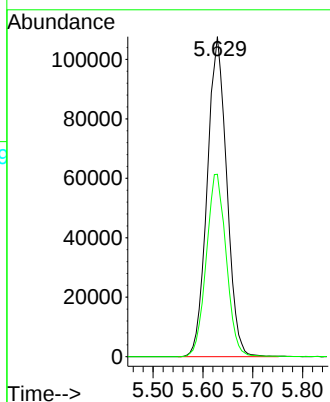


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

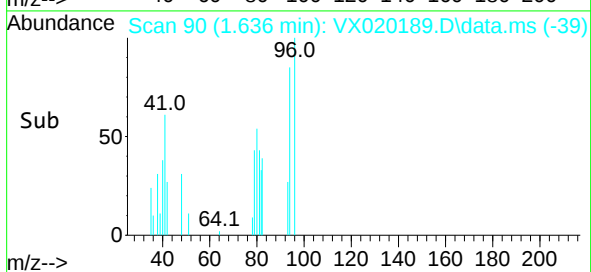
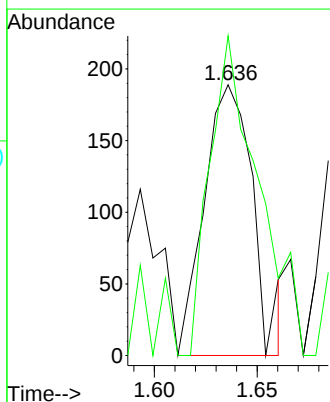
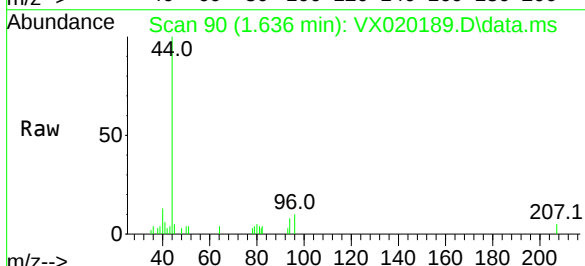


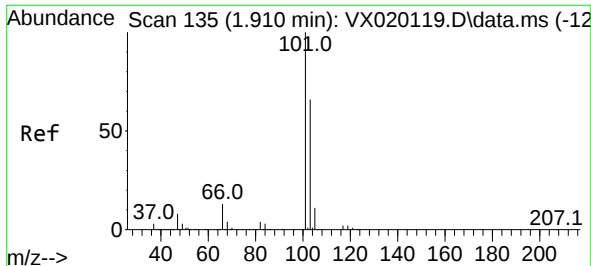
Tgt Ion:168 Resp: 292792
Ion Ratio Lower Upper
168 100
99 57.0 45.8 68.6



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 118.0 76.4 114.6#

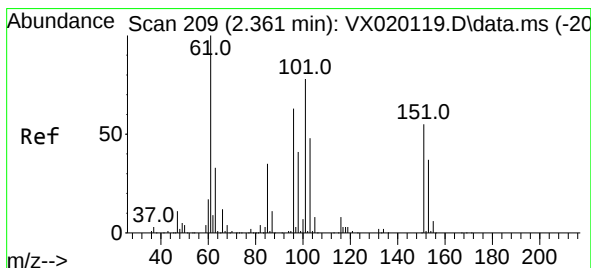
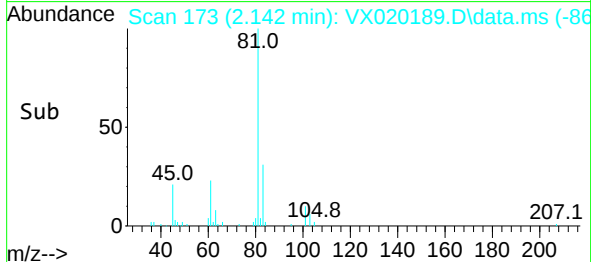
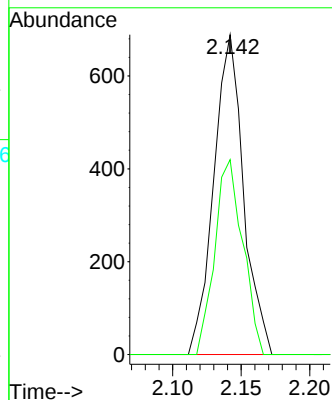
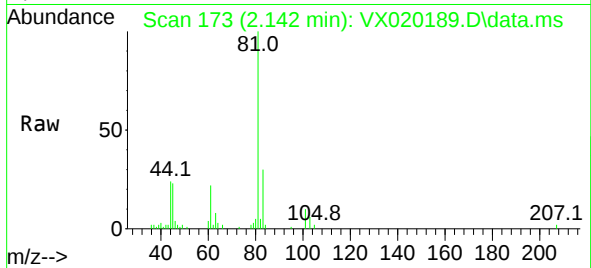




#7
Trichlorofluoromethane
Concen: 0.20 ug/l
RT: 2.142 min Scan# 173
Delta R.T. 0.232 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

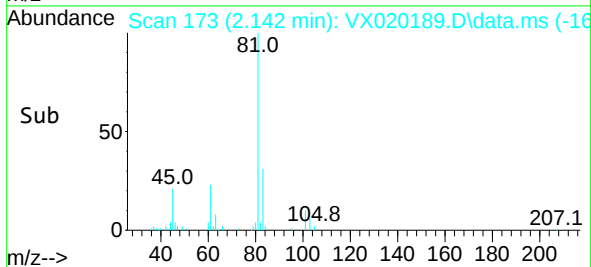
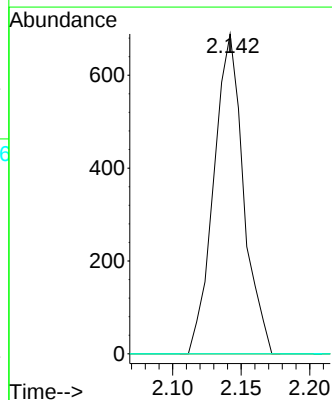
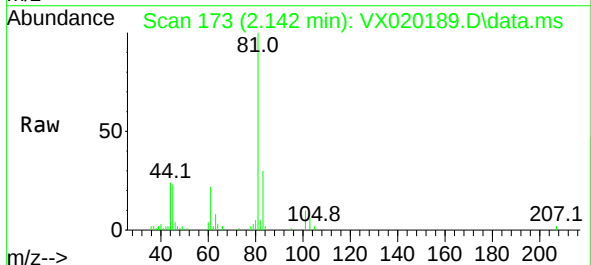
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

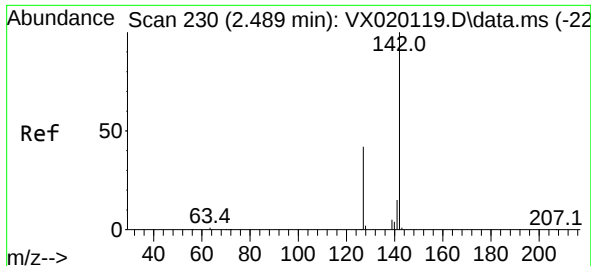
Tgt Ion:101 Resp: 1040
Ion Ratio Lower Upper
101 100
103 61.0 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.36 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.219 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Tgt Ion:101 Resp: 1040
Ion Ratio Lower Upper
101 100
85 0.0 34.9 52.3#
151 0.0 61.4 92.2#

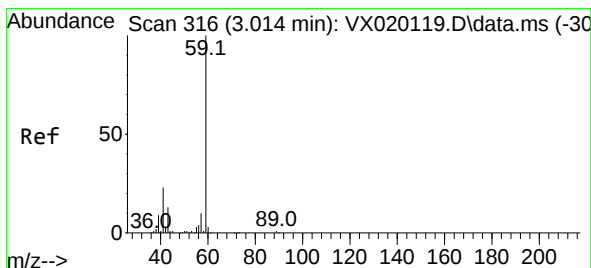
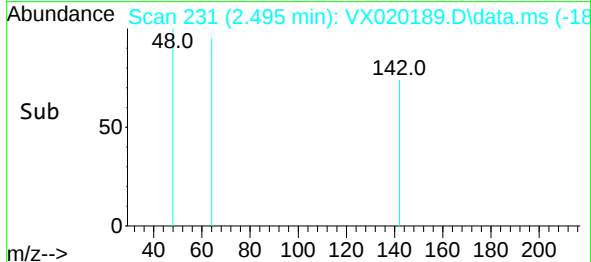
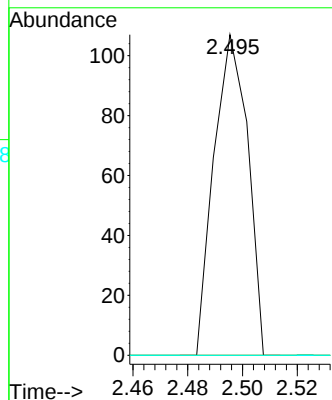
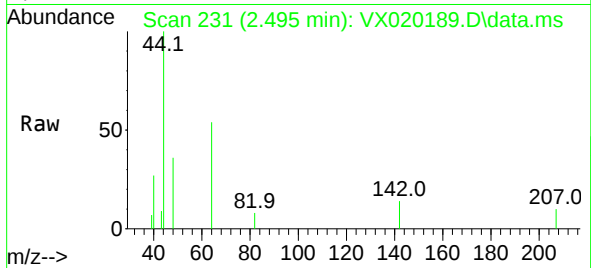




#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

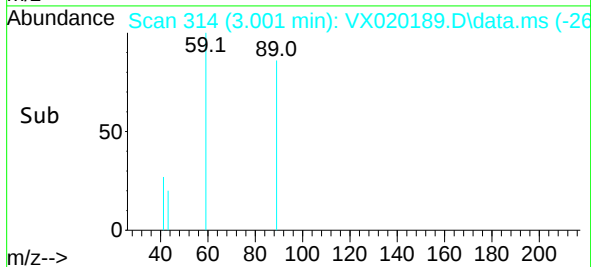
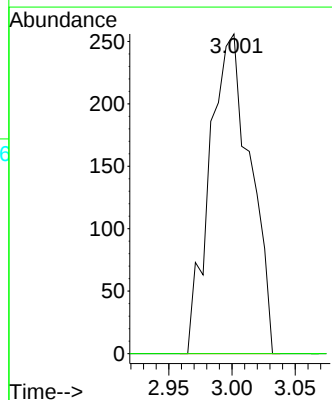
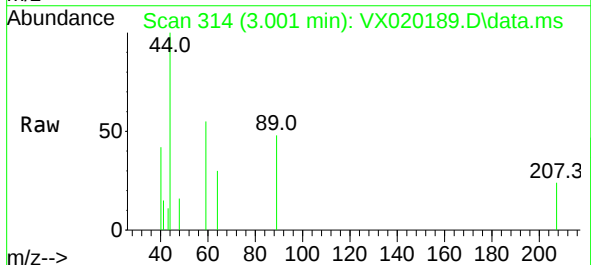
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

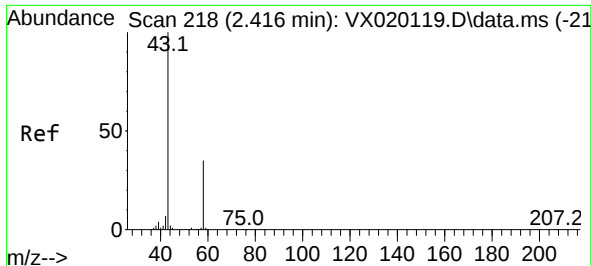
Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.65 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.013 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

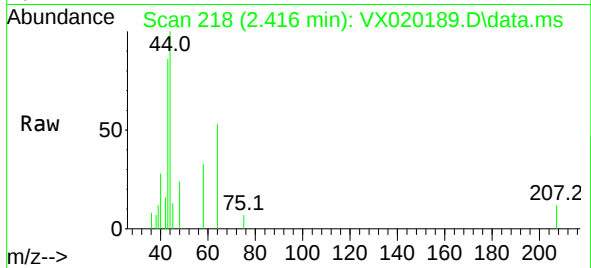
Tgt Ion: 59 Resp: 572
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



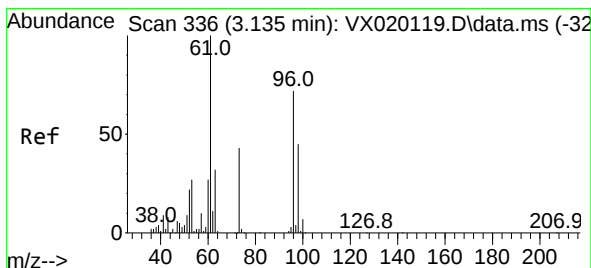
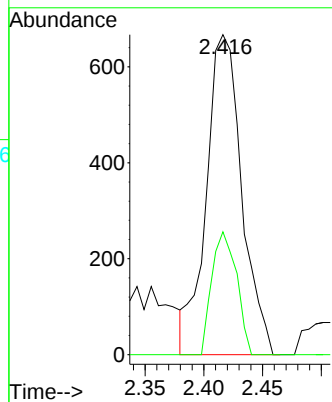
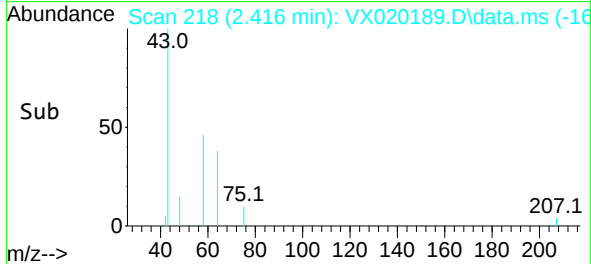


#16
Acetone
Concen: 0.78 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

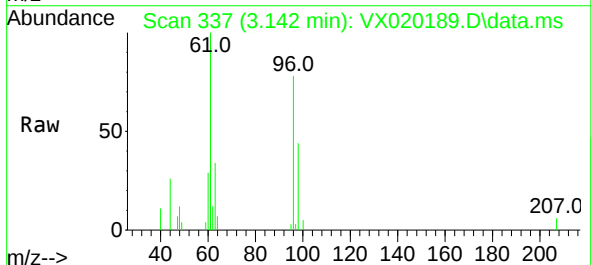
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320



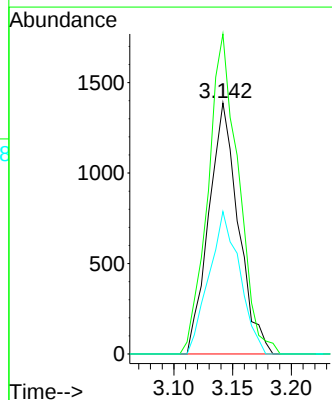
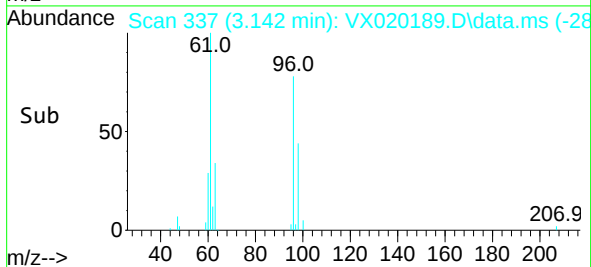
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 38.4 27.8 41.8

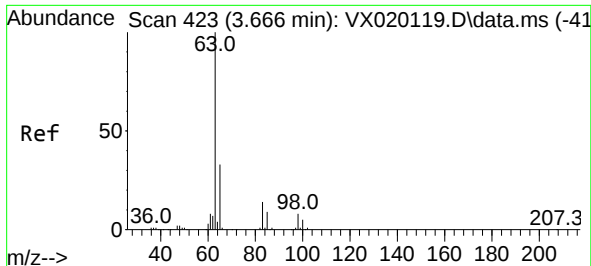


#21
trans-1,2-Dichloroethene
Concen: 0.67 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12



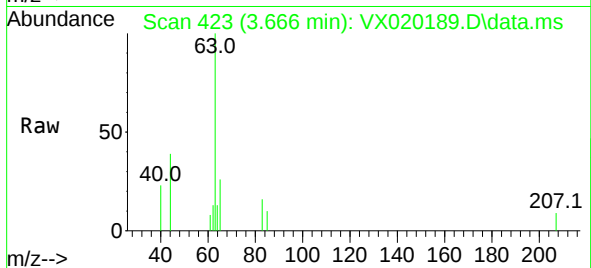
Tgt Ion: 96 Resp: 2429
Ion Ratio Lower Upper
96 100
61 127.4 107.7 161.5
98 56.7 50.4 75.6



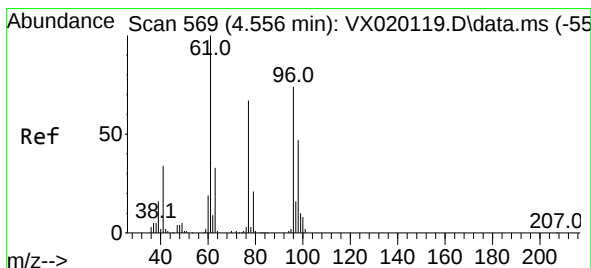
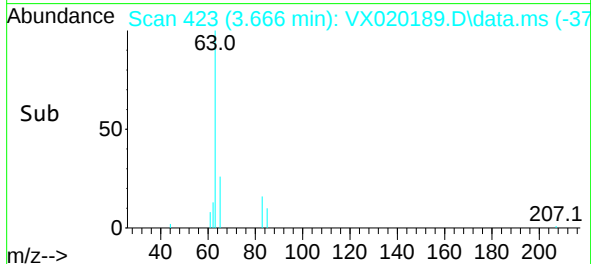
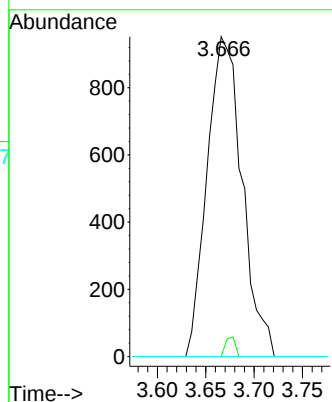


#24
 1,1-Dichloroethane
 Concen: 0.38 ug/l
 RT: 3.666 min Scan# 423
 Delta R.T. -0.000 min
 Lab File: VX020189.D
 Acq: 19 Dec 2020 22:12

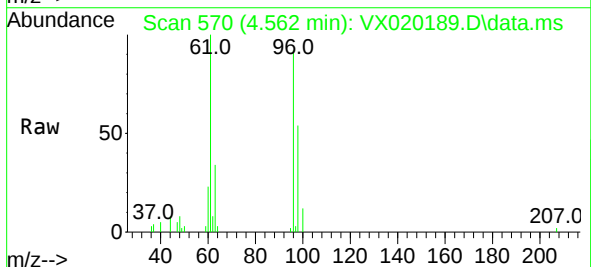
Instrument :
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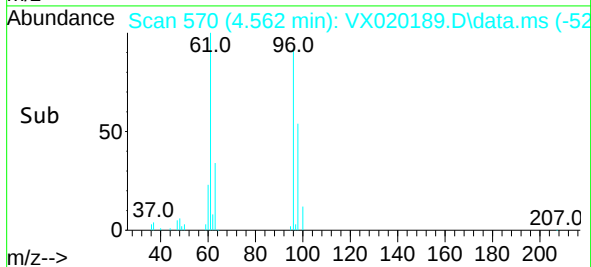
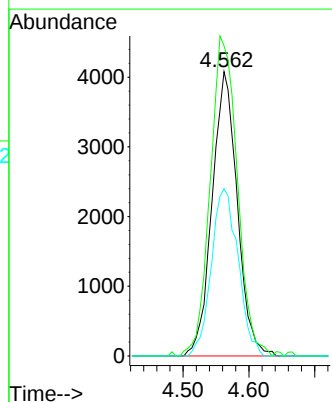
Tgt Ion: 63 Resp: 2395
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.5 7.5#

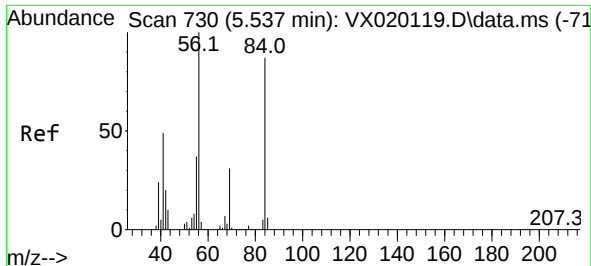


#27
 cis-1,2-Dichloroethene
 Concen: 2.65 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VX020189.D
 Acq: 19 Dec 2020 22:12



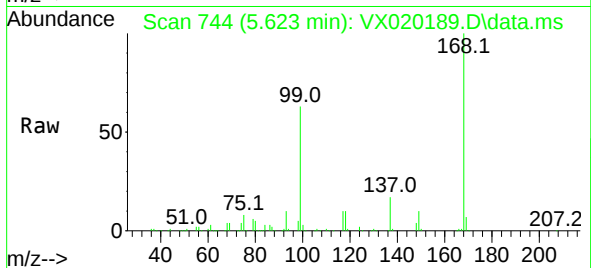
Tgt Ion: 96 Resp: 10863
 Ion Ratio Lower Upper
 96 100
 61 121.1 0.0 285.6
 98 62.6 0.0 129.6



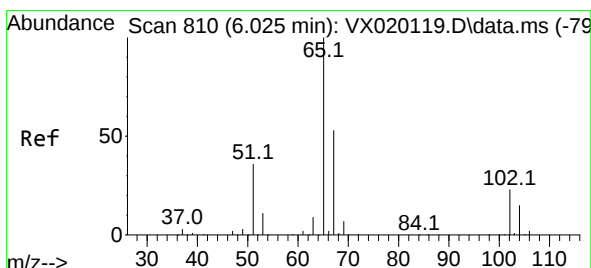
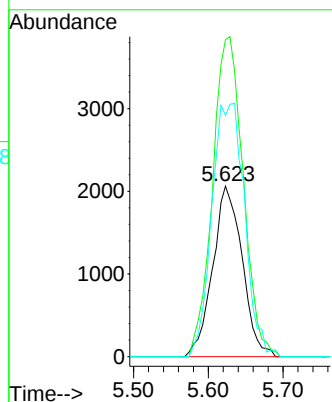
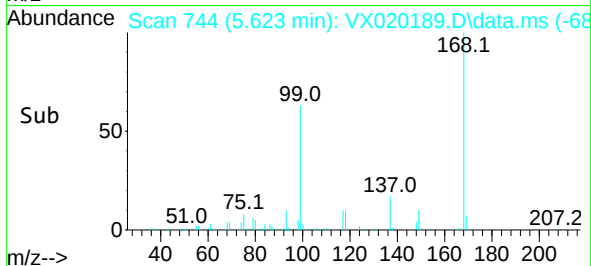


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

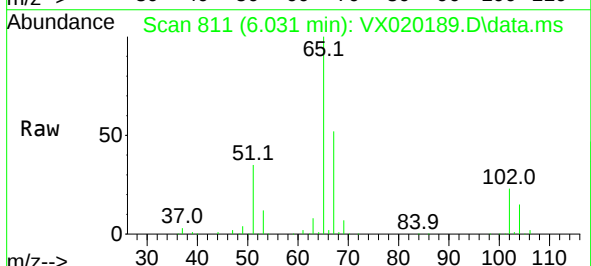
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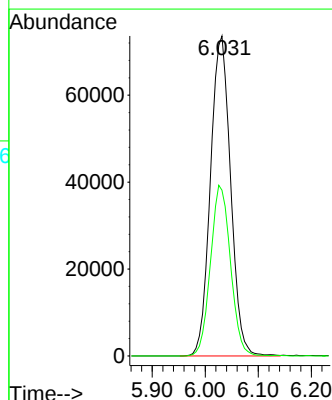
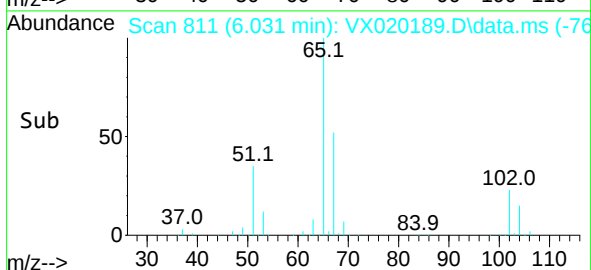
Tgt Ion: 56 Resp: 5657
Ion Ratio Lower Upper
56 100
69 185.8 25.3 37.9#
84 141.5 71.4 107.0#

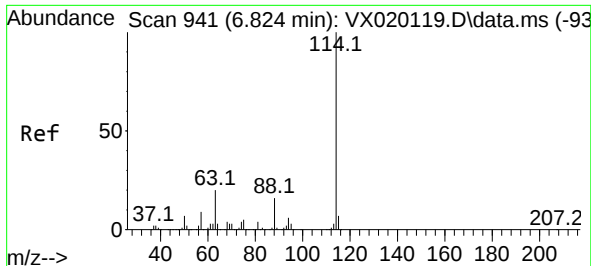


#33
1,2-Dichloroethane-d4
Concen: 49.49 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12



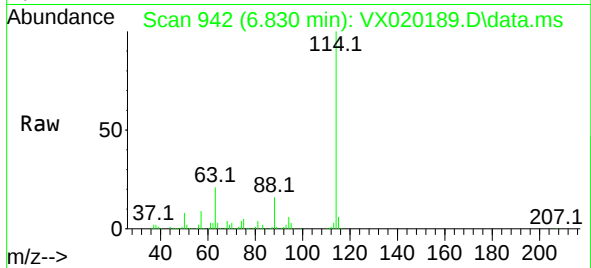
Tgt Ion: 65 Resp: 194219
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4



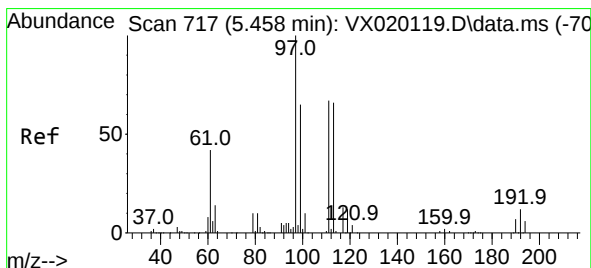
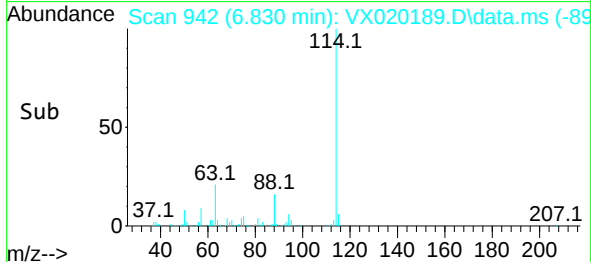
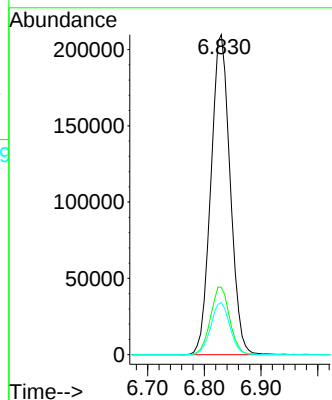


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

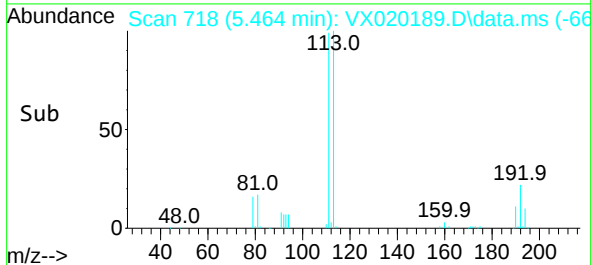
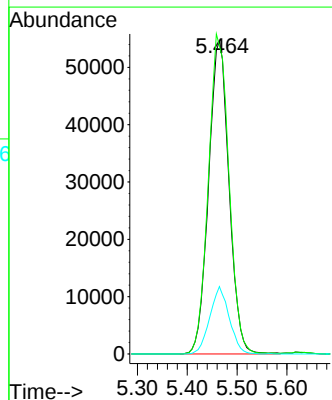
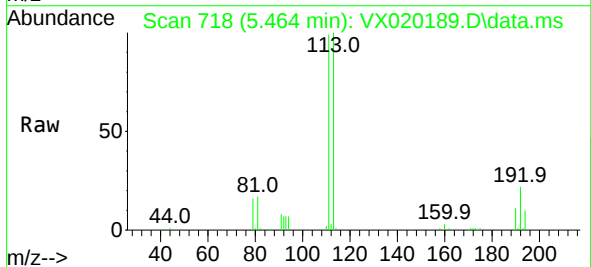


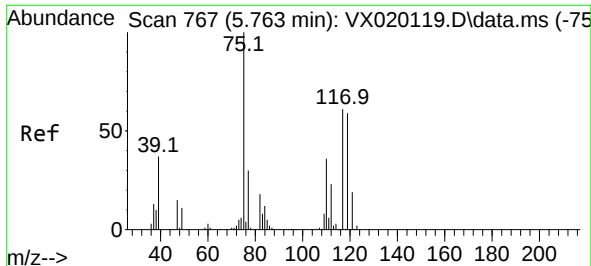
Tgt Ion:114 Resp: 493878
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.20 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

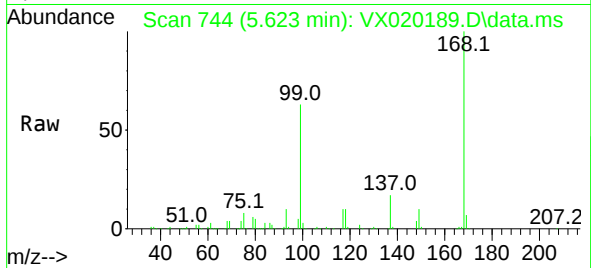
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Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.5 16.7 25.1



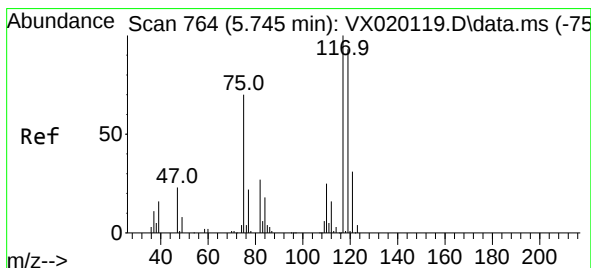
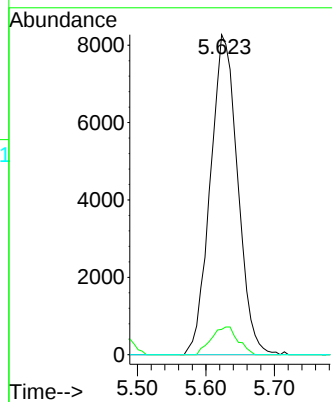
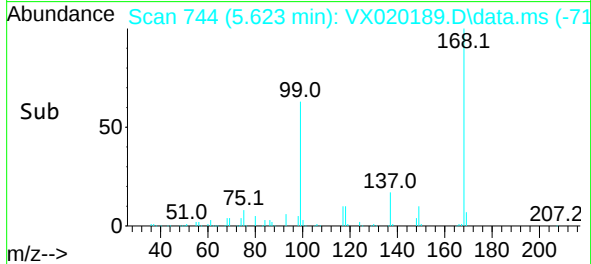


#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

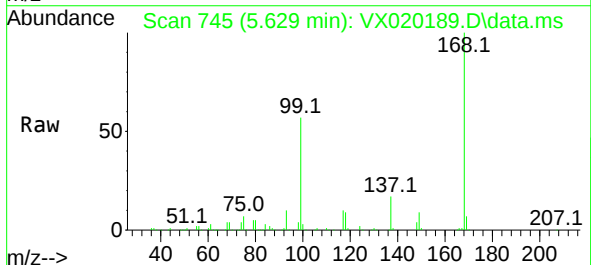
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320



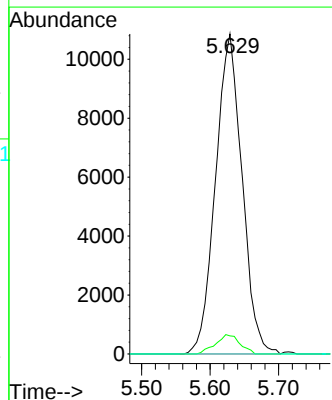
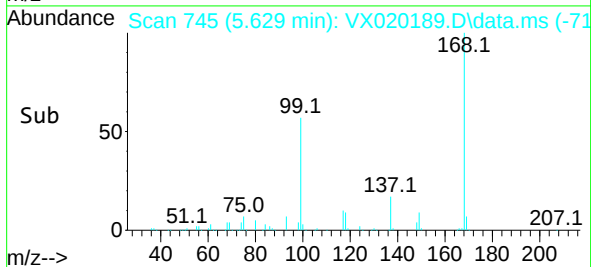
Tgt Ion: 75 Resp: 22914
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#

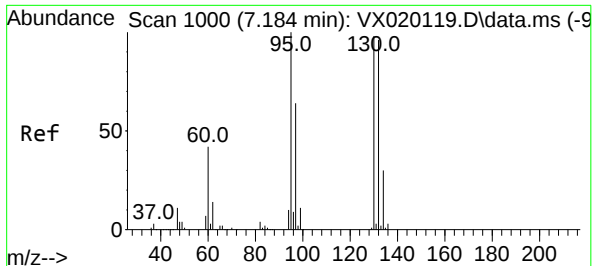


#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12



Tgt Ion: 117 Resp: 29152
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

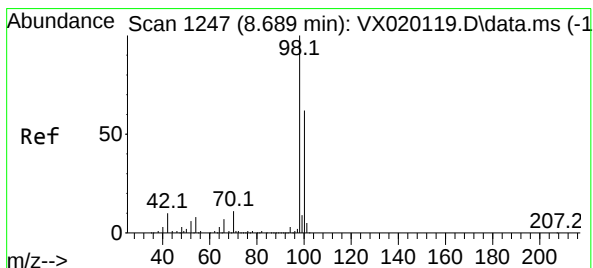
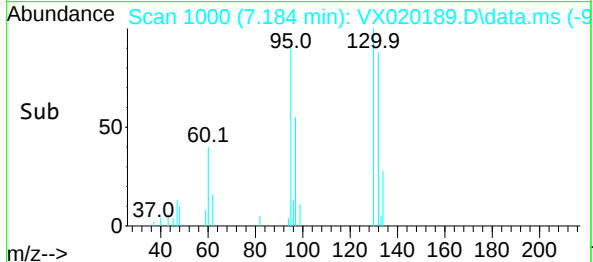
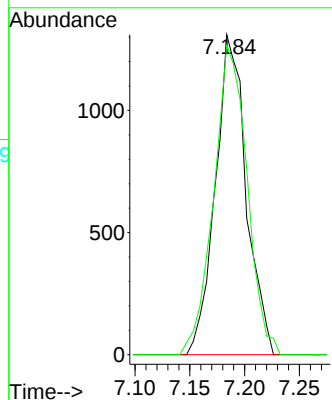
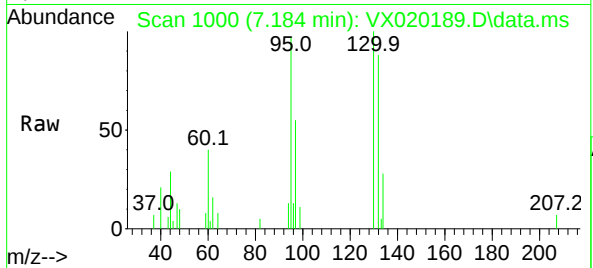




#44
Trichloroethene
Concen: 0.65 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

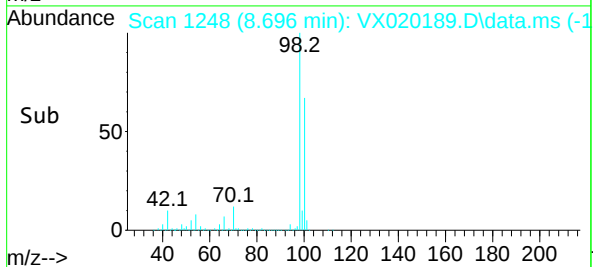
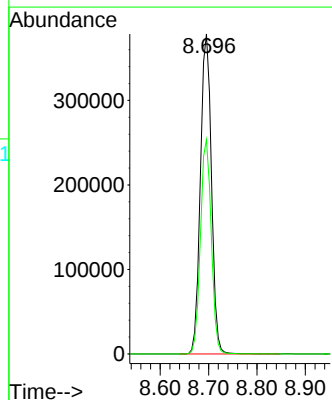
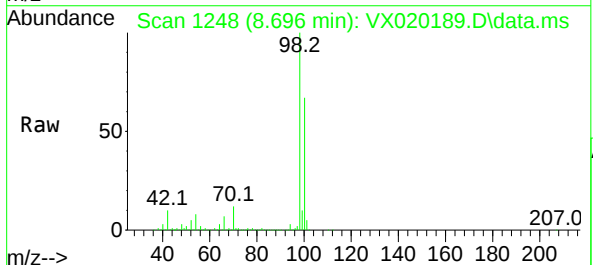
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

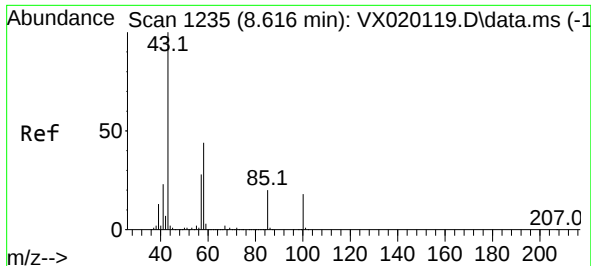
Tgt Ion:130 Resp: 2558
Ion Ratio Lower Upper
130 100
95 96.7 0.0 198.0



#50
Toluene-d8
Concen: 49.19 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Tgt Ion: 98 Resp: 598155
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

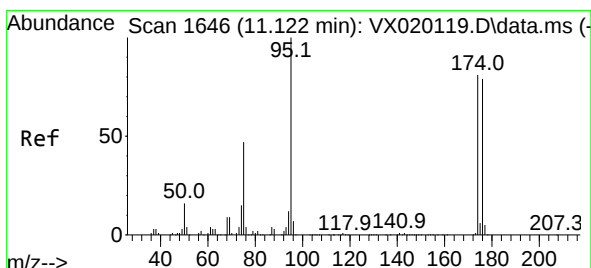
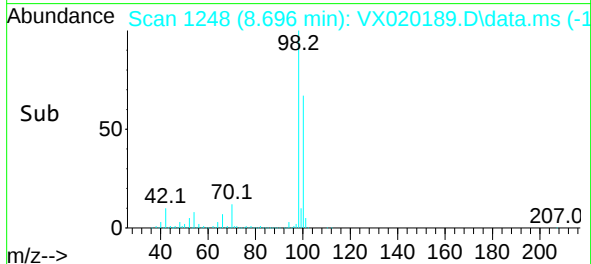
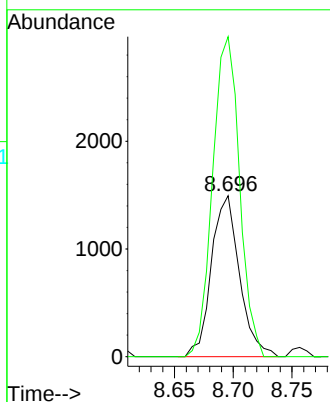
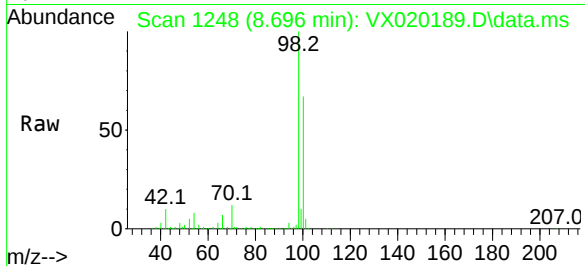




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

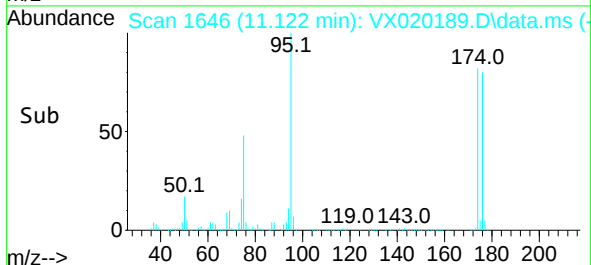
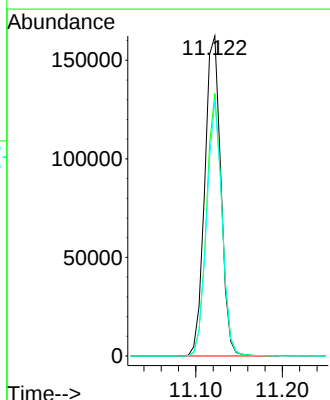
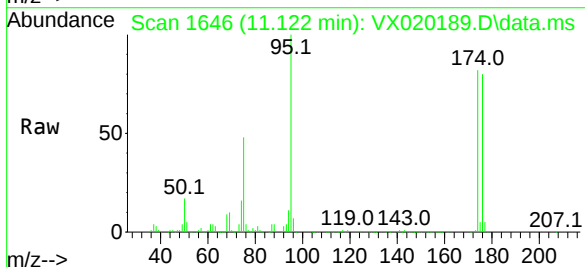
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

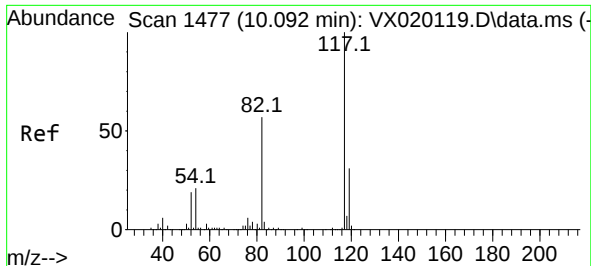
Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
58 190.1 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 44.94 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Tgt Ion: 95 Resp: 209150
Ion Ratio Lower Upper
95 100
174 78.6 0.0 154.6
176 76.1 0.0 155.8

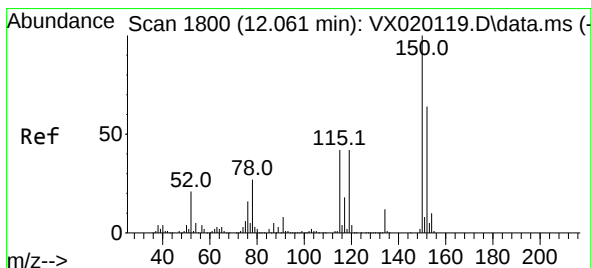
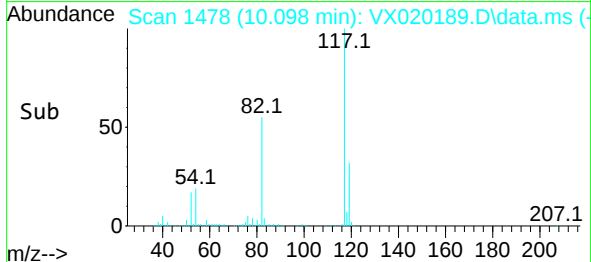
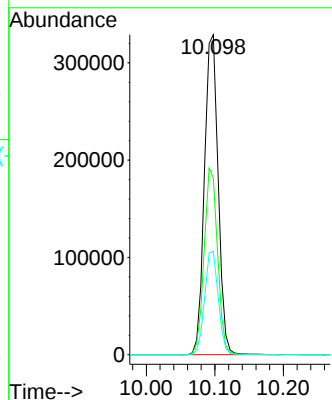
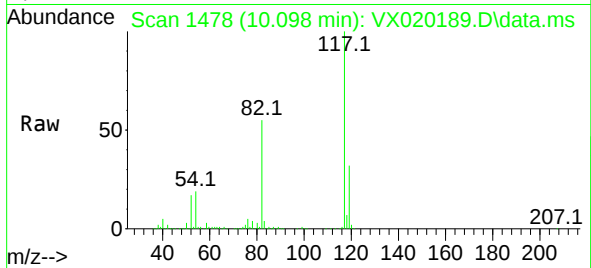




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

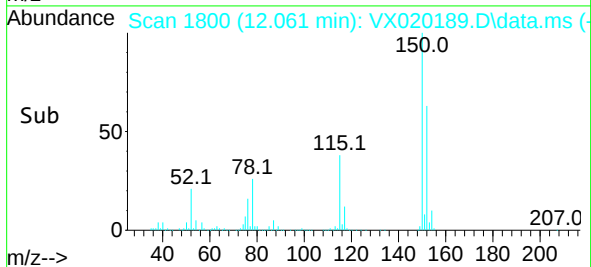
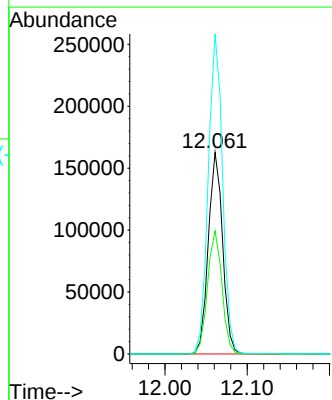
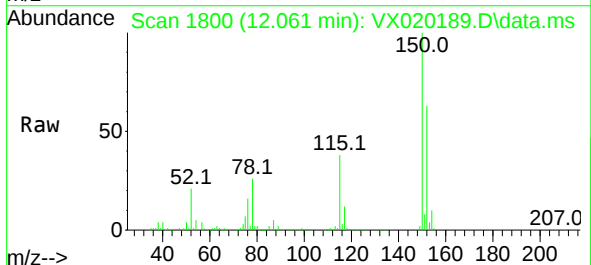
Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

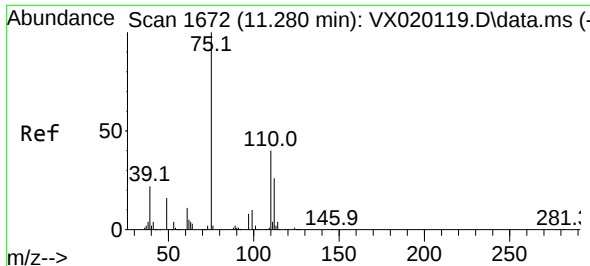
Tgt Ion:117 Resp: 459856
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Tgt Ion:152 Resp: 196944
Ion Ratio Lower Upper
152 100
115 61.5 41.1 123.3
150 159.0 0.0 349.0

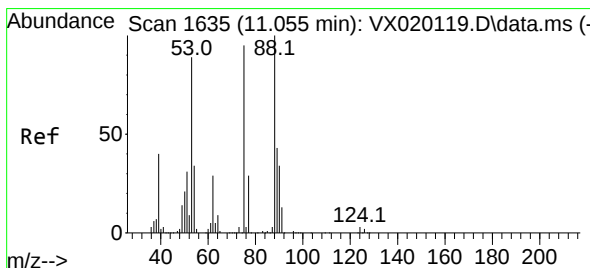
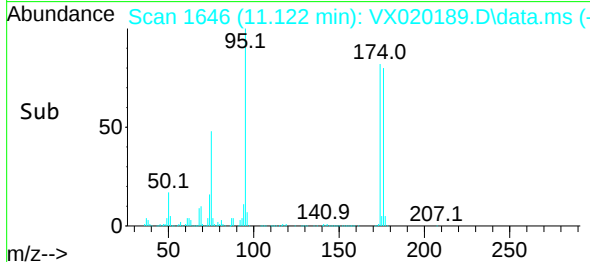
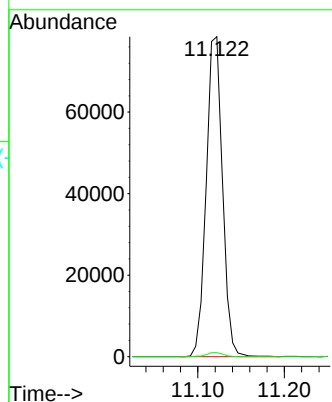
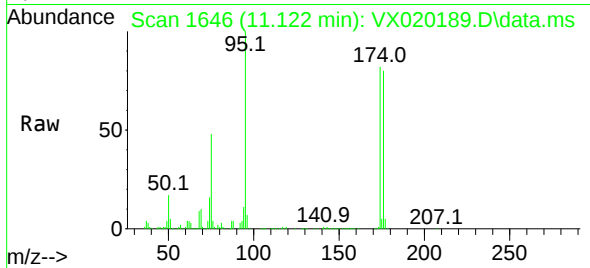




#76
1,2,3-Trichloropropane
Concen: 21.10 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Instrument :
MSVOA_X
ClientSampleId :
49-MW016(SOB)-121320

Tgt Ion: 75 Resp: 102383
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.61 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020189.D
Acq: 19 Dec 2020 22:12

Tgt Ion: 75 Resp: 102383
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

