

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020438.D
 Acq On : 29 Dec 2020 16:43
 Operator : JC/MD
 Sample : L5236-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1022-MW-17A(15.5)

Quant Time: Dec 30 02:38:27 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)

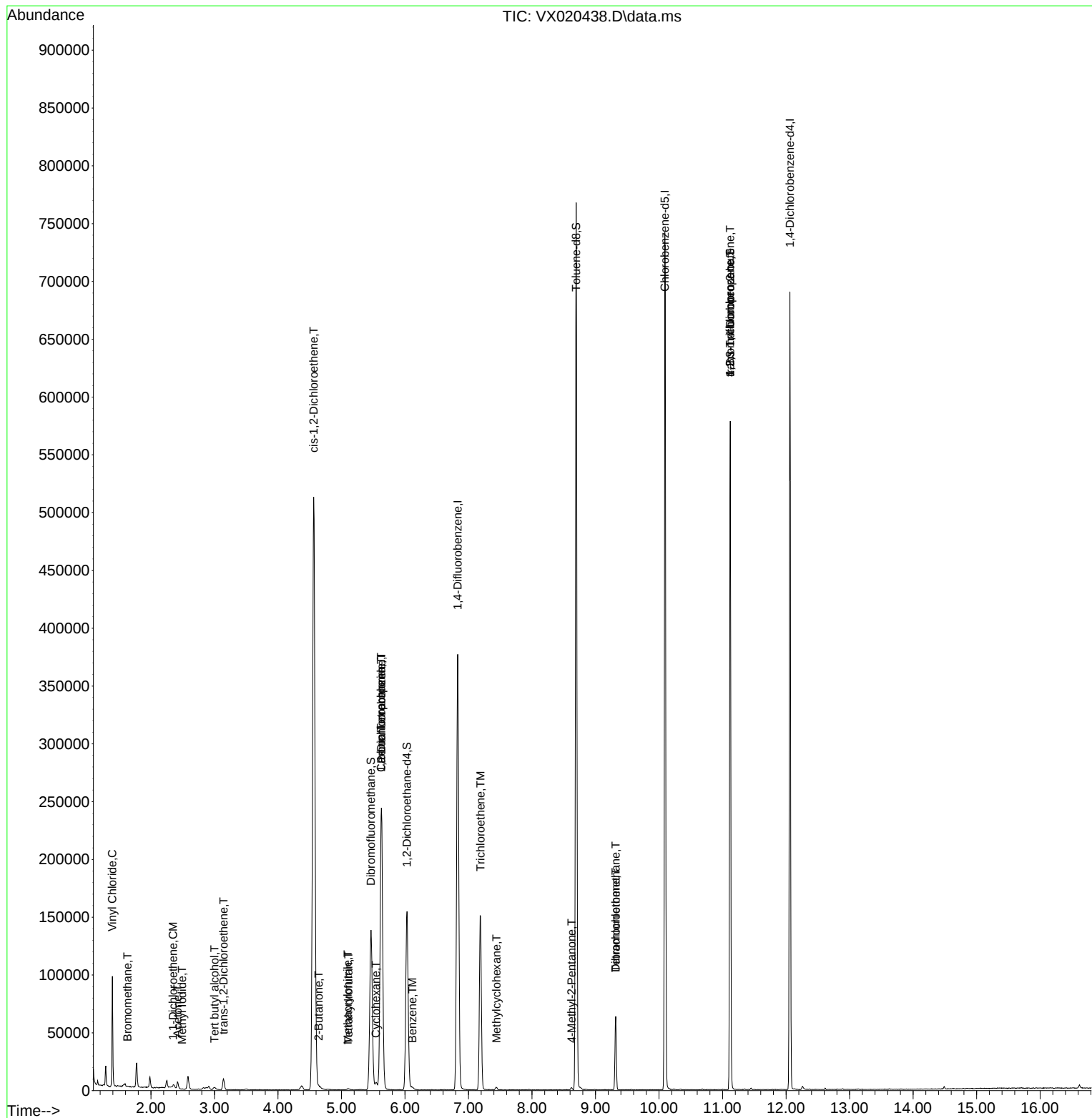
Internal Standards						
1) Pentafluorobenzene	5.629	168	242846	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	389351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	346068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	144087	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	144278	44.32	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.64%		
35) Dibromofluoromethane	5.464	113	121670	48.85	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.70%		
50) Toluene-d8	8.695	98	463670	48.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.72%		
62) 4-Bromofluorobenzene	11.122	95	159955	43.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.18%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	43549	13.07	ug/l	98
5) Bromomethane	1.630	94	341	0.32	ug/l	100
10) Methyl Iodide	2.489	142	91	3.31	ug/l #	42
11) Tert butyl alcohol	3.001	59	2142	2.94	ug/l #	80
12) 1,1-Dichloroethene	2.349	96	754	0.30	ug/l	99
16) Acetone	2.416	43	6226	4.19	ug/l	93
21) trans-1,2-Dichloroethene	3.142	96	3412	1.13	ug/l	89
25) 2-Butanone	4.641	43	1162	0.54	ug/l	100
27) cis-1,2-Dichloroethene	4.562	96	342981	100.96	ug/l	90
29) Tetrahydrofuran	5.111	42	879	0.65	ug/l	93
31) Cyclohexane	5.544	56	4159	0.93	ug/l	99
36) 1,1-Dichloropropene	5.623	75	17639	4.58	ug/l #	49
38) Carbon Tetrachloride	5.623	117	22553	6.16	ug/l #	17
39) Methylcyclohexane	7.440	83	1129	0.25	ug/l	95
40) Benzene	6.117	78	2866	0.24	ug/l	98
41) Methacrylonitrile	5.099	41	546	0.26	ug/l #	31
44) Trichloroethene	7.190	130	61369	19.82	ug/l	98
51) 4-Methyl-2-Pentanone	8.622	43	1164	0.30	ug/l	97
60) Dibromochloromethane	9.317	129	12043	4.03	ug/l #	11
64) Tetrachloroethene	9.317	164	12481	4.79	ug/l	93
76) 1,2,3-Trichloropropane	11.122	75	73955	20.84	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	73955	61.82	ug/l #	12

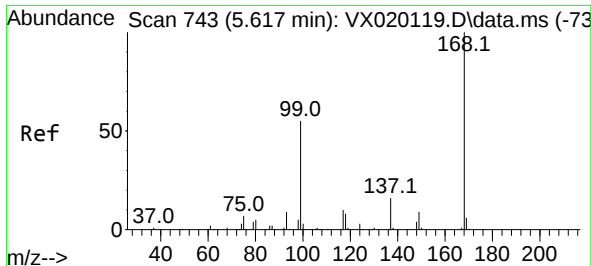
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1022-MW-17A(15.5)

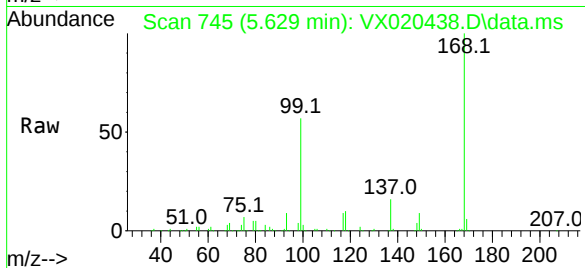
Quant Time: Dec 30 02:38:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
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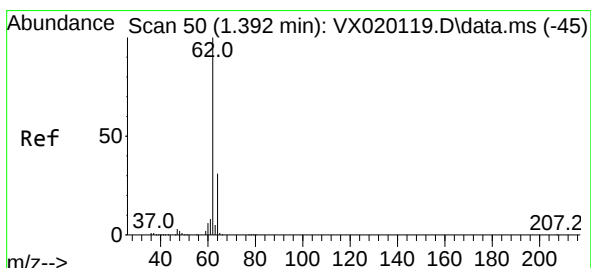
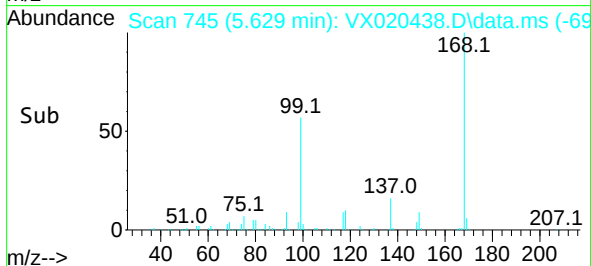
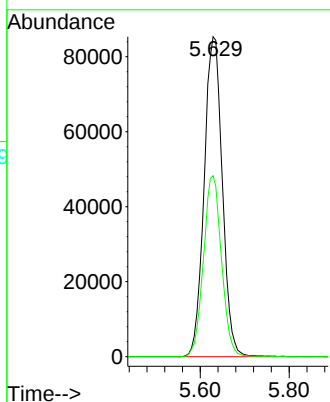


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

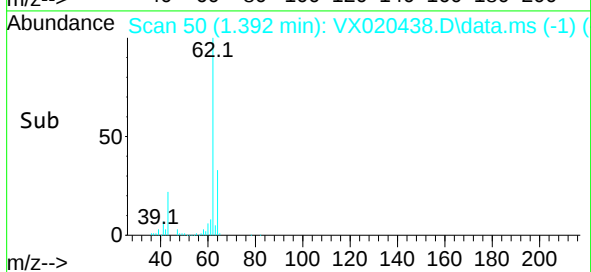
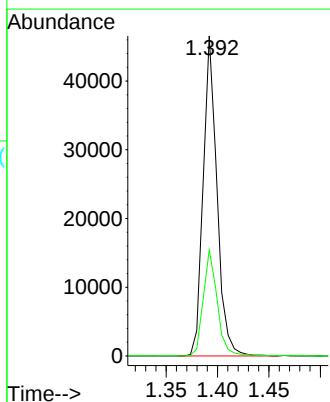
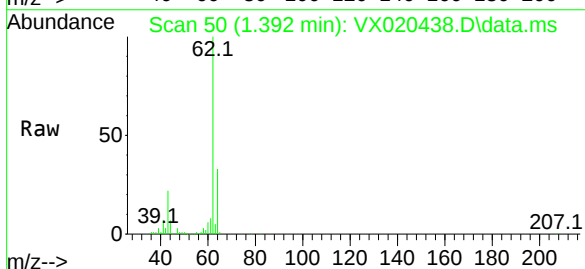


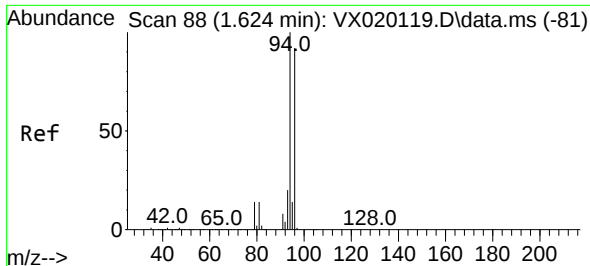
Tgt Ion:168 Resp: 242846
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#4
Vinyl Chloride
Concen: 13.07 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 62 Resp: 43549
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5

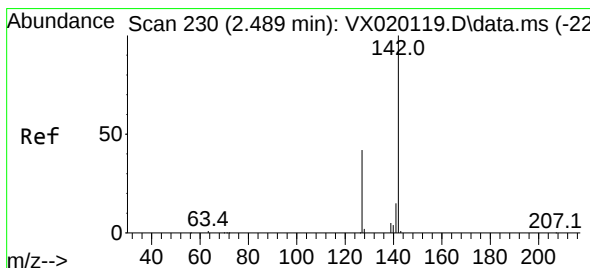
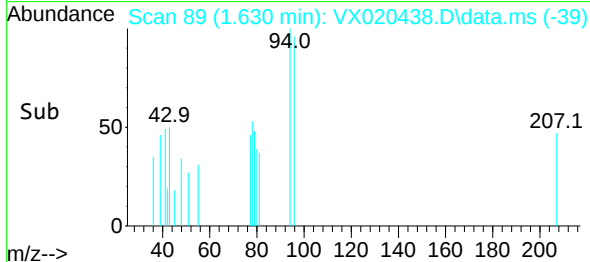
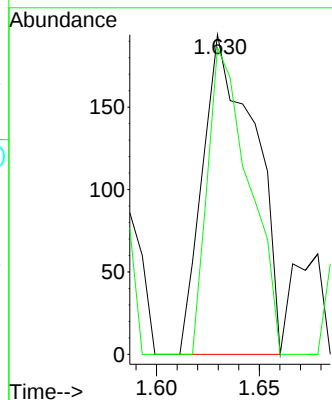
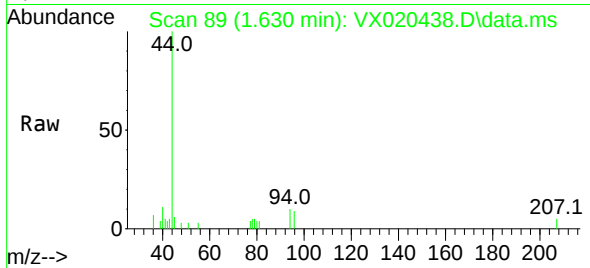




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

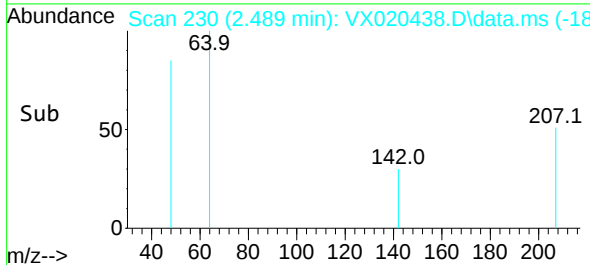
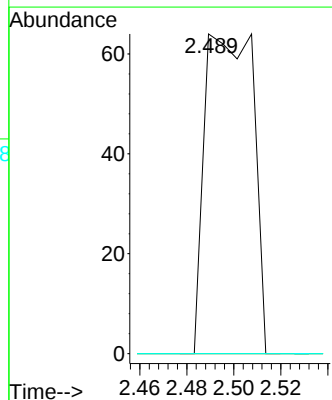
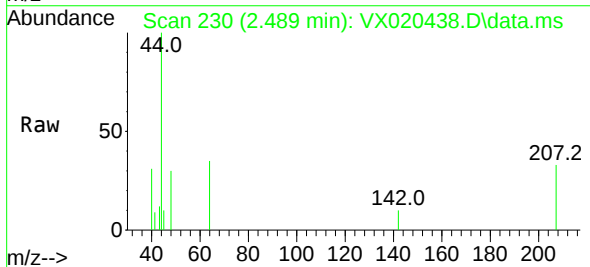
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

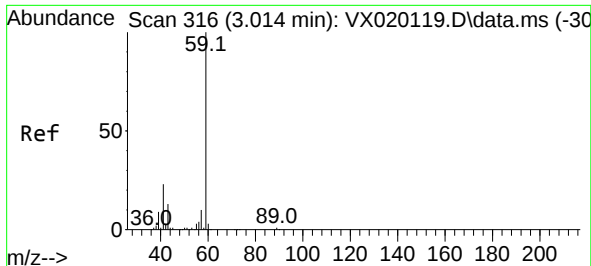
Tgt Ion: 94 Resp: 341
Ion Ratio Lower Upper
94 100
96 95.9 76.4 114.6



#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

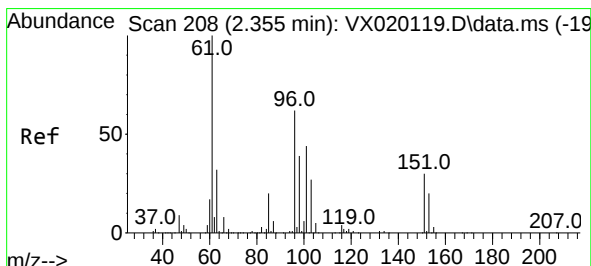
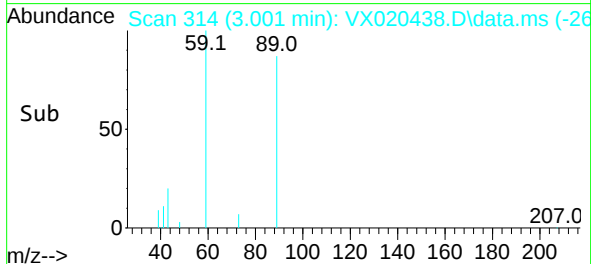
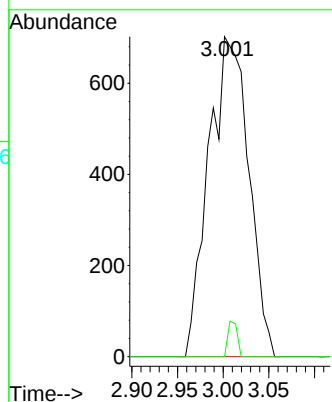
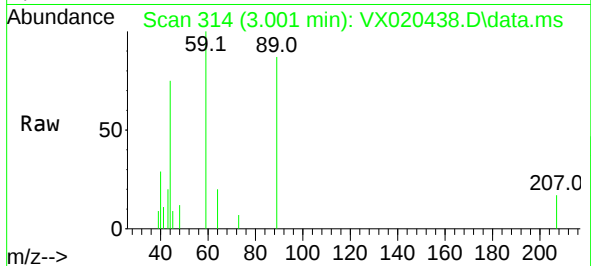




#11
Tert butyl alcohol
Concen: 2.94 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.013 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

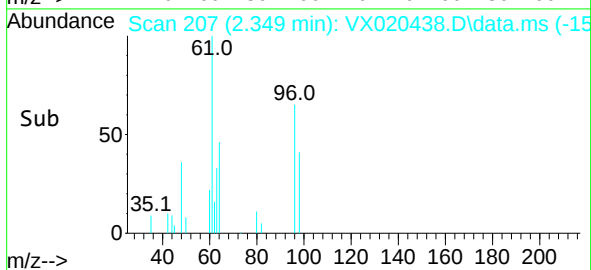
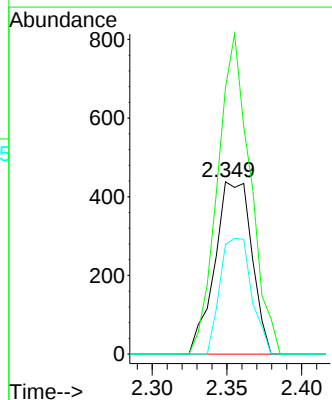
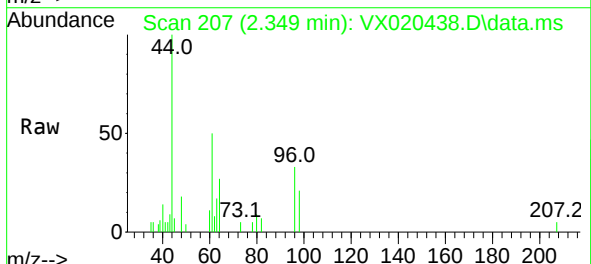
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

Tgt Ion: 59 Resp: 2142
Ion Ratio Lower Upper
59 100
57 2.6 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.30 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 96 Resp: 754
Ion Ratio Lower Upper
96 100
61 154.6 124.6 187.0
98 63.7 50.6 76.0

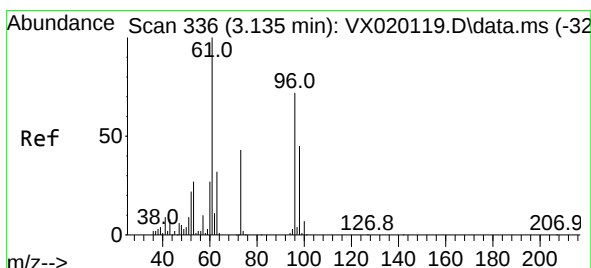
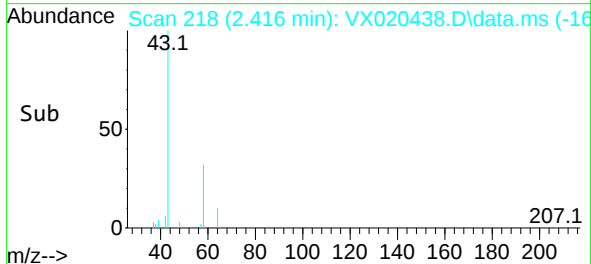
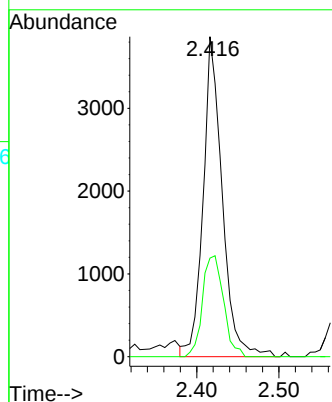
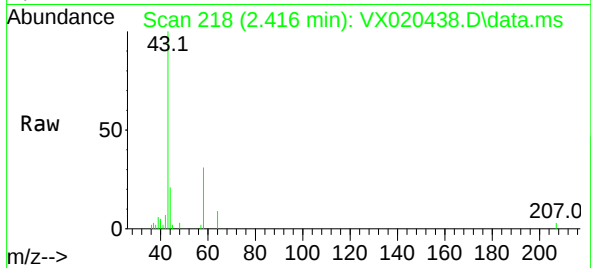




#16
Acetone
Concen: 4.19 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

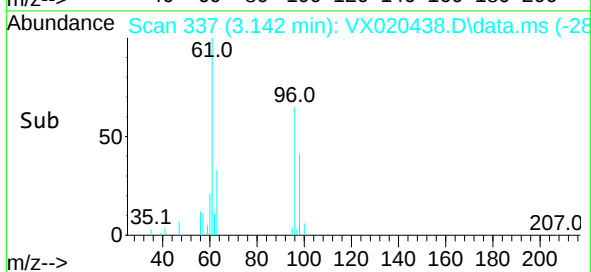
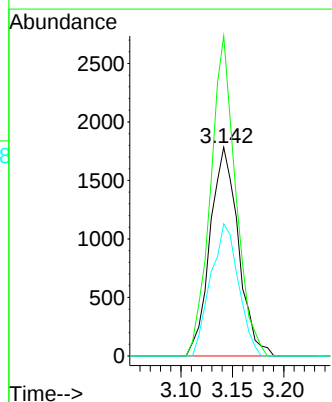
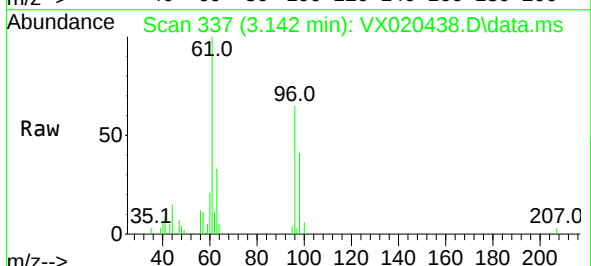
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

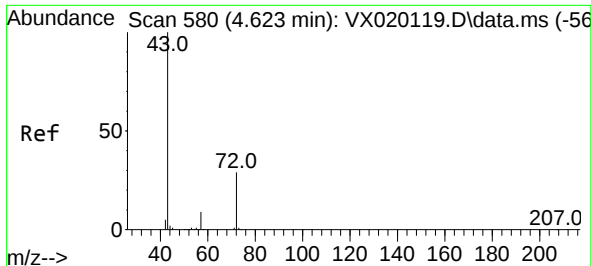
Tgt Ion: 43 Resp: 6226
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8



#21
trans-1,2-Dichloroethene
Concen: 1.13 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 96 Resp: 3412
Ion Ratio Lower Upper
96 100
61 153.4 107.7 161.5
98 63.3 50.4 75.6

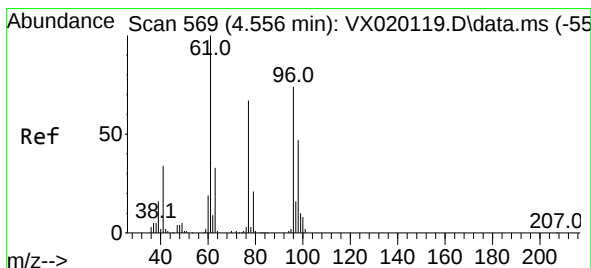
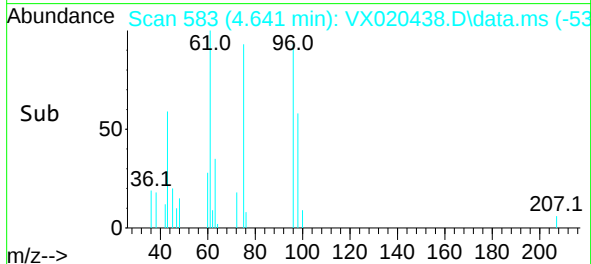
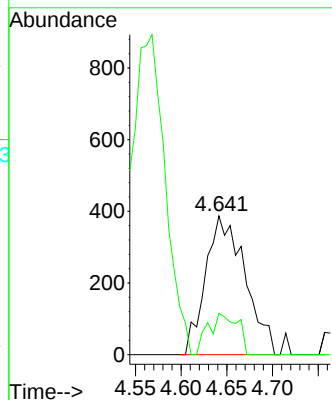
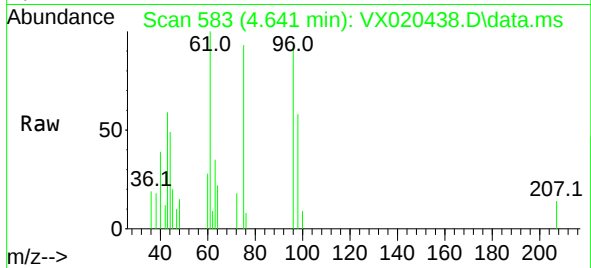




#25
2-Butanone
Concen: 0.54 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

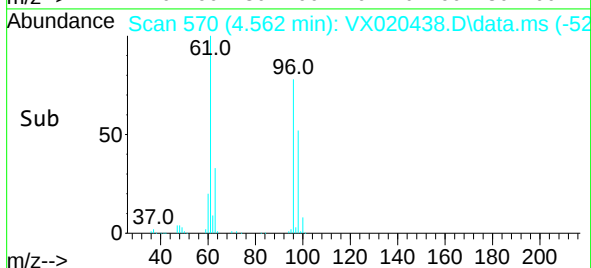
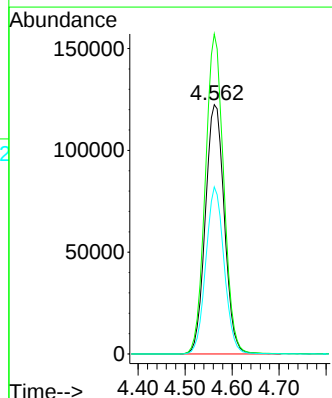
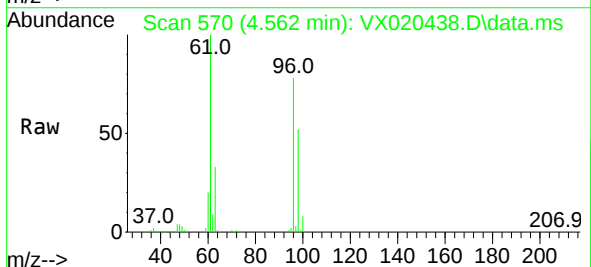
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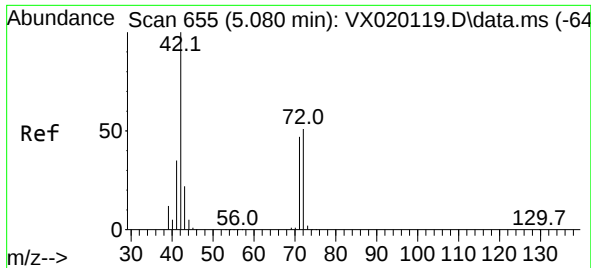
Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
72 29.7 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 100.96 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 96 Resp: 342981
Ion Ratio Lower Upper
96 100
61 124.2 0.0 285.6
98 64.7 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.65 ug/l

RT: 5.111 min Scan# 660

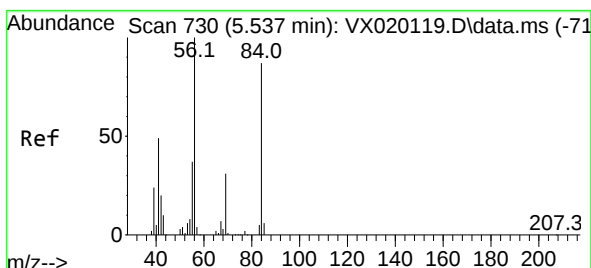
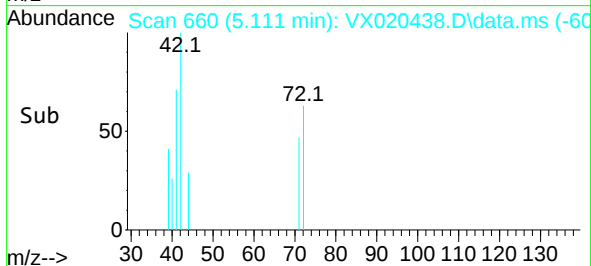
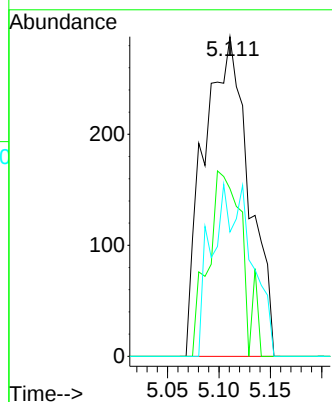
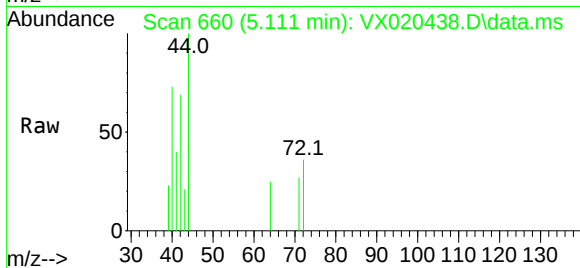
Delta R.T. 0.031 min

Lab File: VX020438.D

Acq: 29 Dec 2020 16:43

Tgt Ion:	42	Resp:	879
Ion	Ratio	Lower	Upper
42	100		
72	43.9	41.7	62.5
71	47.2	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
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#31

Cyclohexane

Concen: 0.93 ug/l

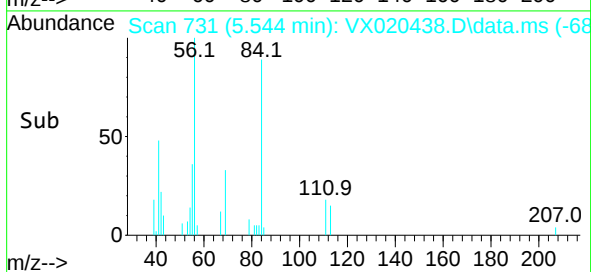
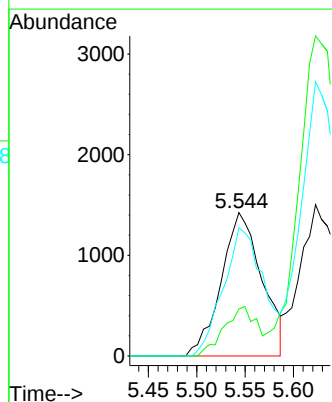
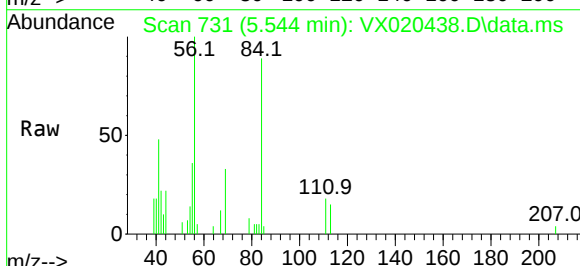
RT: 5.544 min Scan# 731

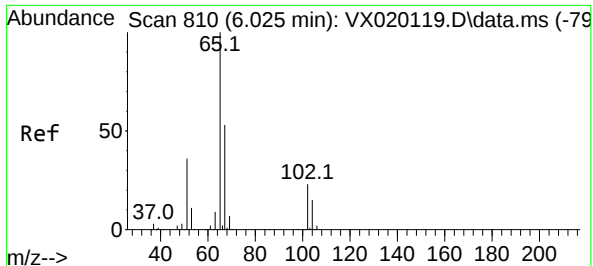
Delta R.T. 0.007 min

Lab File: VX020438.D

Acq: 29 Dec 2020 16:43

Tgt Ion:	56	Resp:	4159
Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.3	37.9
84	89.5	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 44.32 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020438.D

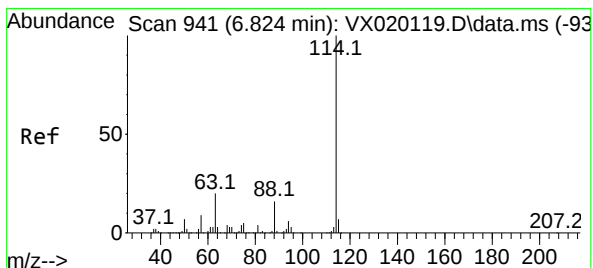
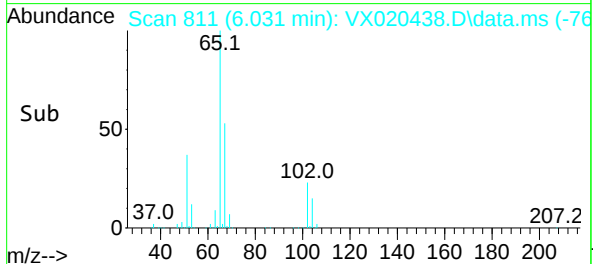
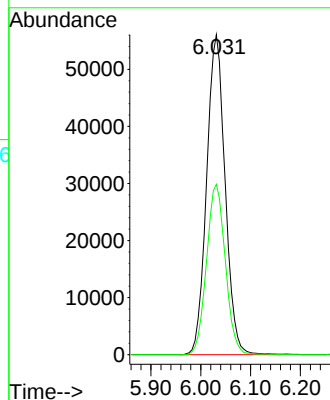
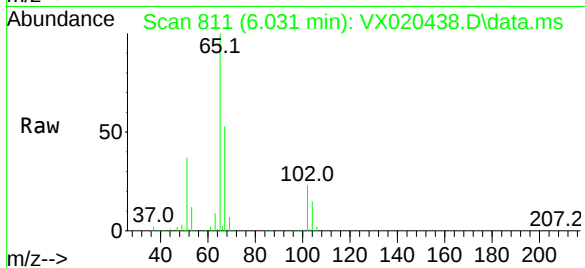
Acq: 29 Dec 2020 16:43

Tgt Ion: 65 Resp: 144278

Ion Ratio Lower Upper

65 100

67 54.3 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: VX020438.D

Acq: 29 Dec 2020 16:43

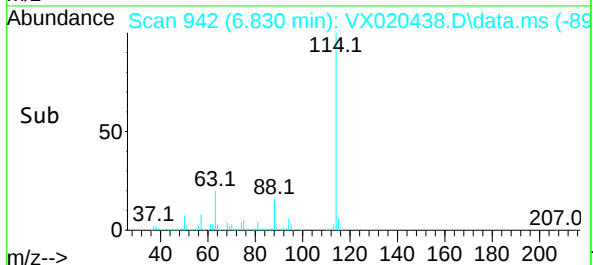
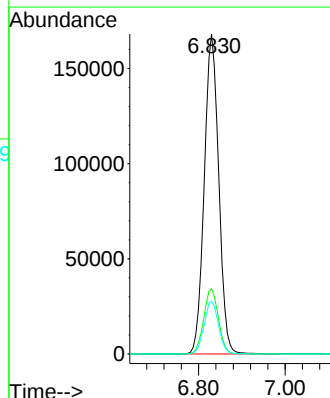
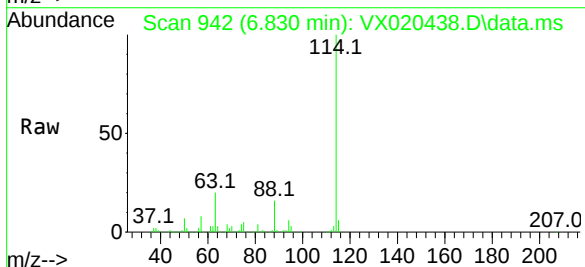
Tgt Ion: 114 Resp: 389351

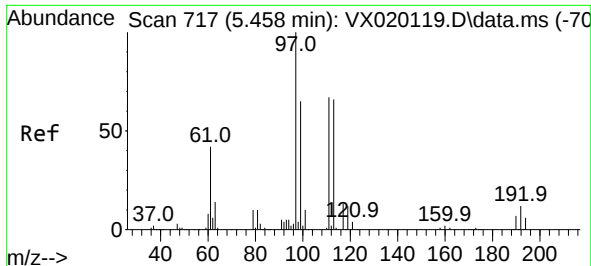
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

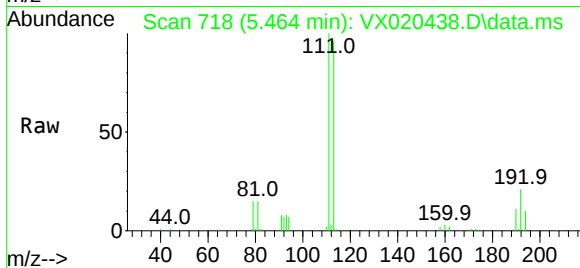
88 16.4 0.0 32.8



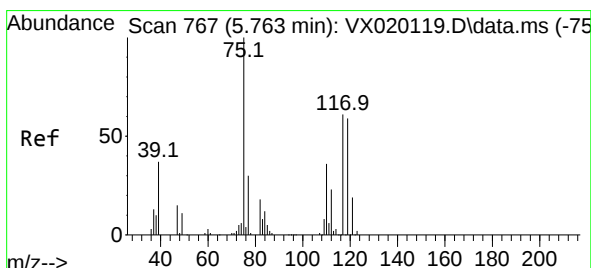
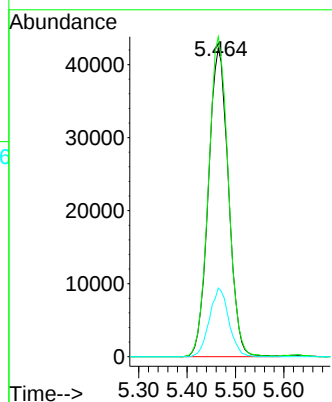
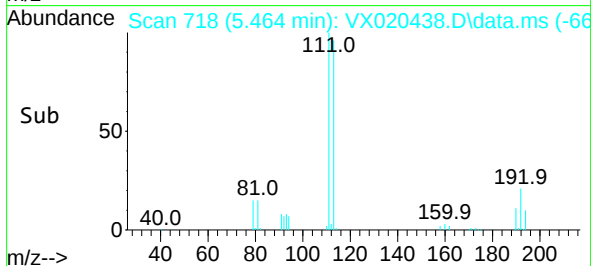


#35
Dibromofluoromethane
Concen: 48.85 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

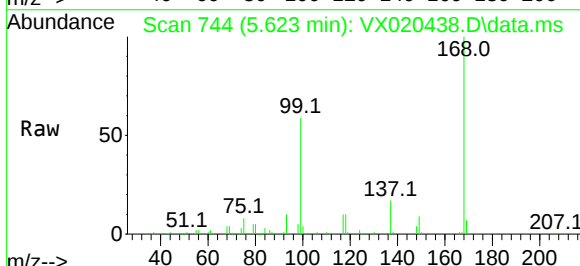
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)



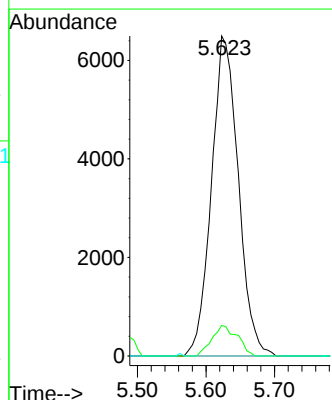
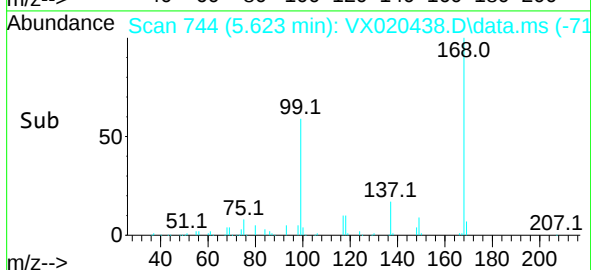
Tgt Ion:113 Resp: 121670
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 21.5 16.7 25.1

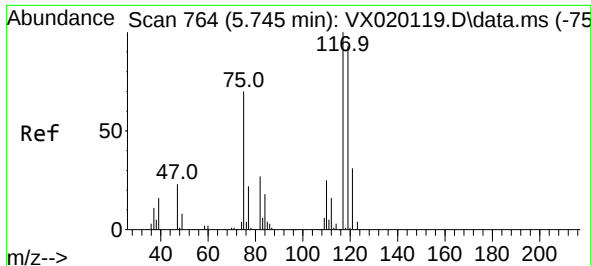


#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43



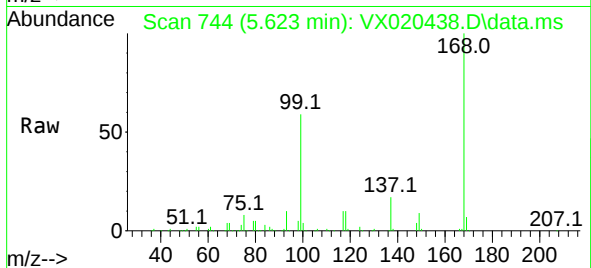
Tgt Ion: 75 Resp: 17639
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



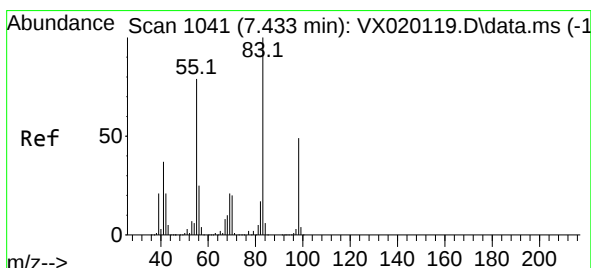
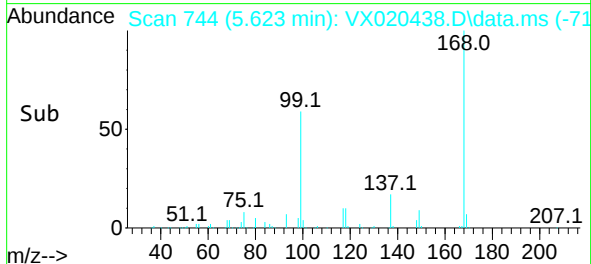
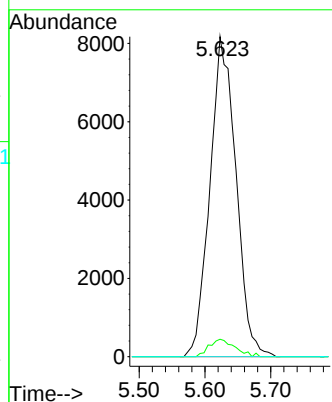


#38
Carbon Tetrachloride
Concen: 6.16 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

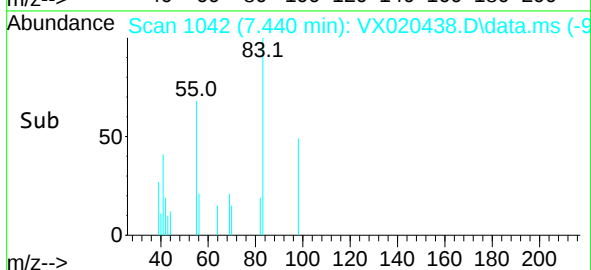
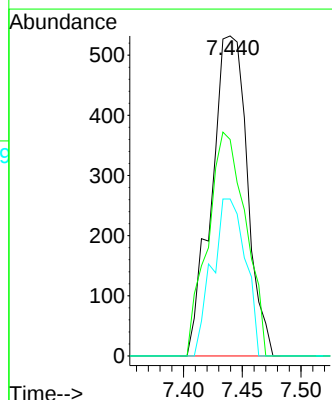
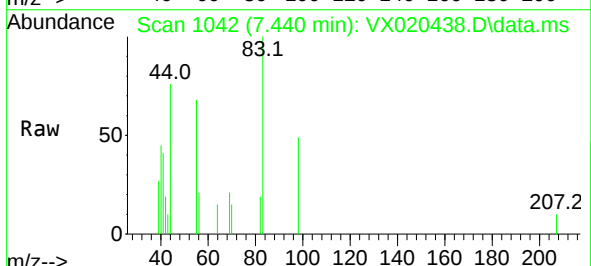


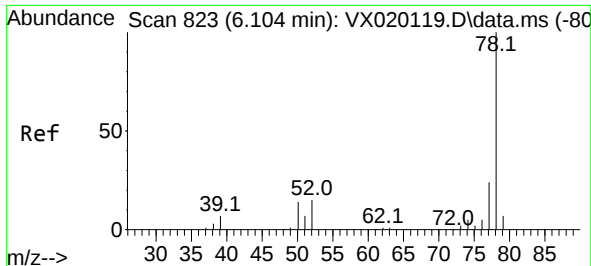
Tgt Ion:117 Resp: 22553
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.25 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.007 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 83 Resp: 1129
Ion Ratio Lower Upper
83 100
55 67.7 58.9 88.3
98 49.1 38.1 57.1

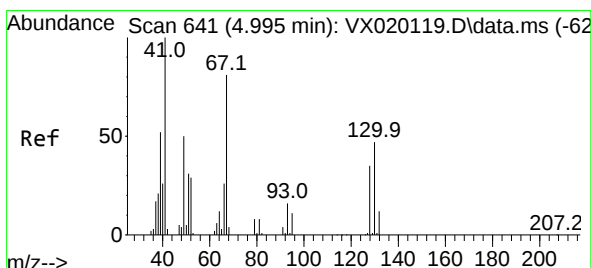
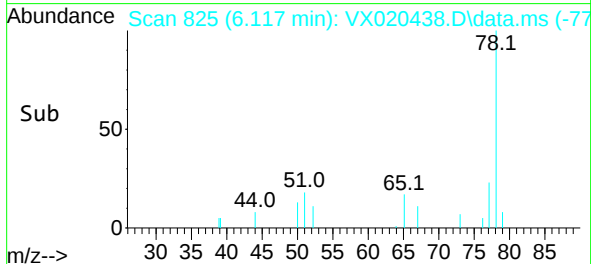
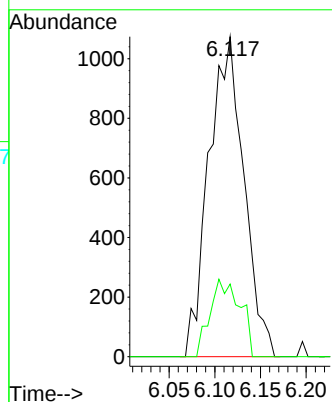
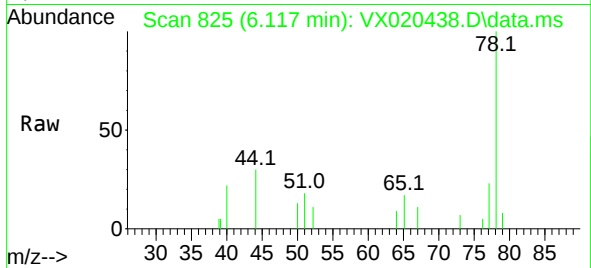




#40
Benzene
Concen: 0.24 ug/l
RT: 6.117 min Scan# 825
Delta R.T. 0.013 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

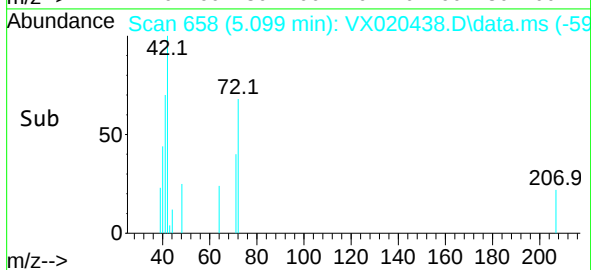
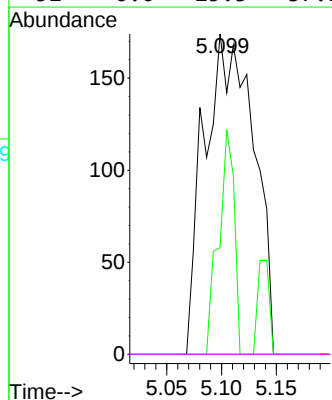
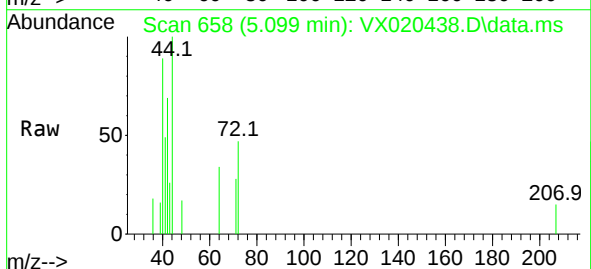
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

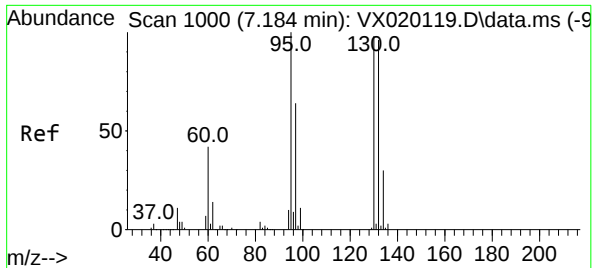
Tgt Ion: 78 Resp: 2866
Ion Ratio Lower Upper
78 100
77 22.7 18.9 28.3



#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.104 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 41 Resp: 546
Ion Ratio Lower Upper
41 100
39 22.3 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

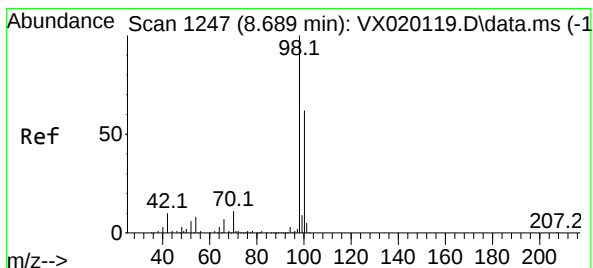
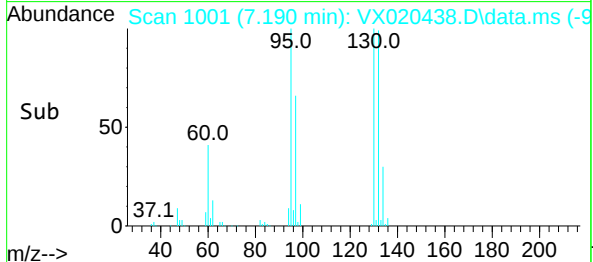
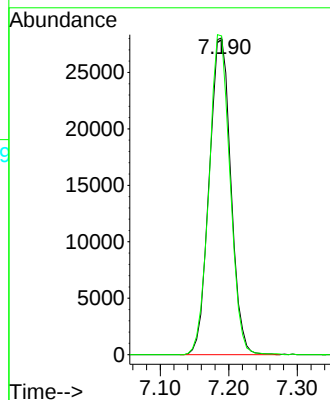
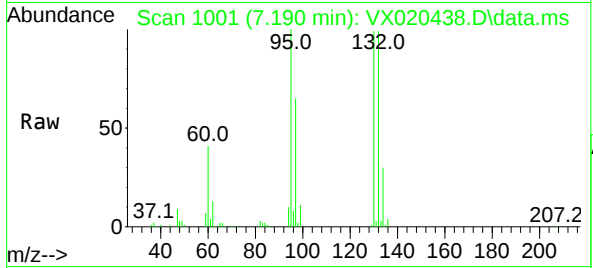




#44
Trichloroethene
Concen: 19.82 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

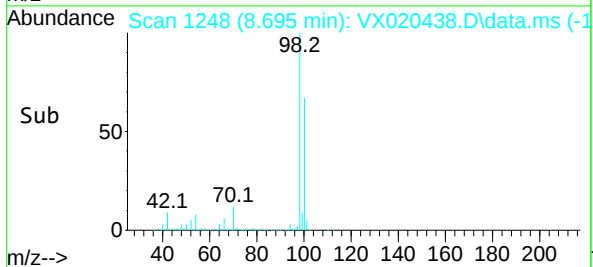
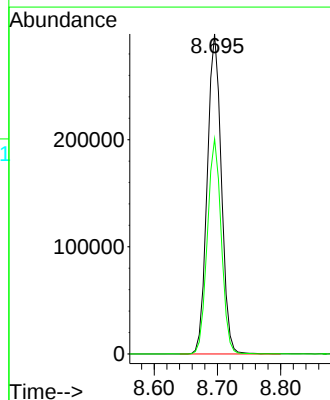
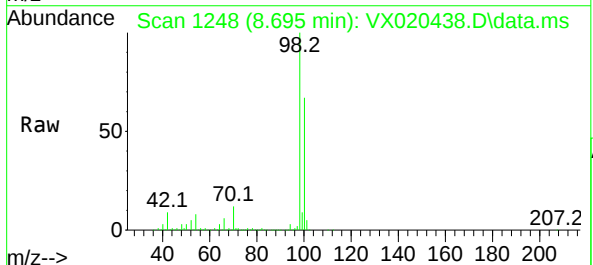
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

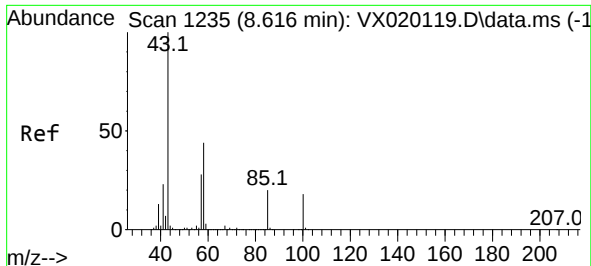
Tgt Ion:130 Resp: 61369
Ion Ratio Lower Upper
130 100
95 100.6 0.0 198.0



#50
Toluene-d8
Concen: 48.36 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 98 Resp: 463670
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

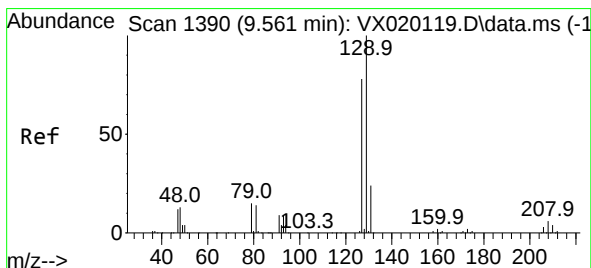
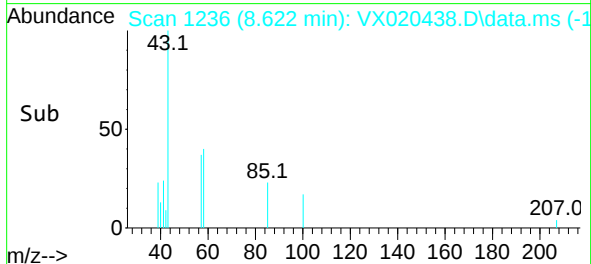
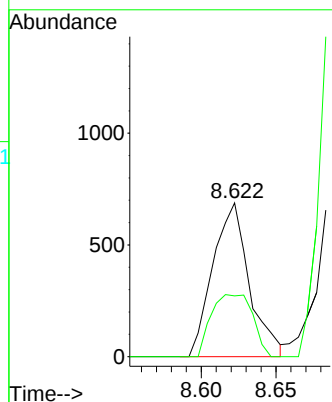
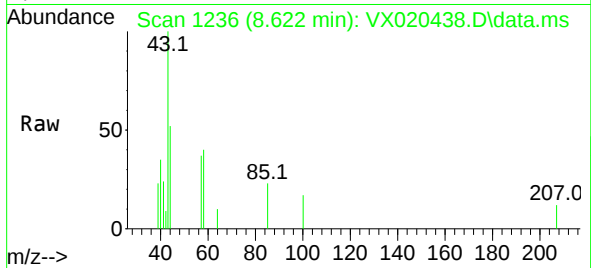




#51
4-Methyl-2-Pentanone
Concen: 0.30 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

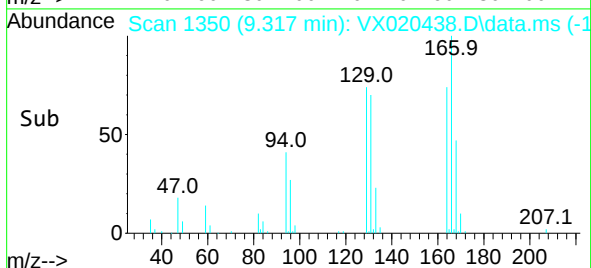
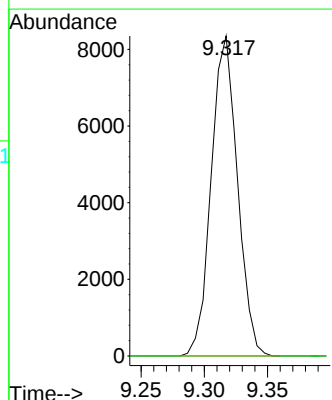
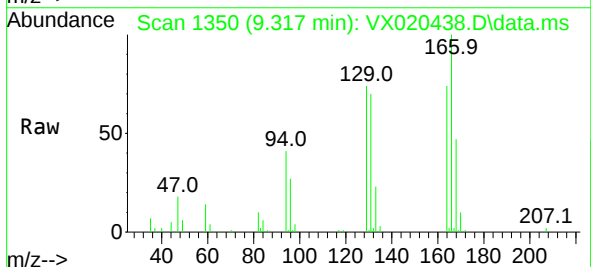
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

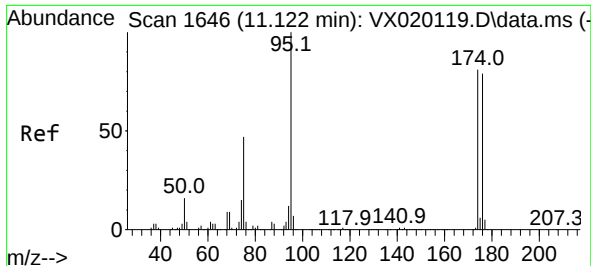
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 45.9 35.4 53.0



#60
Dibromochloromethane
Concen: 4.03 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 129 Resp: 12043
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

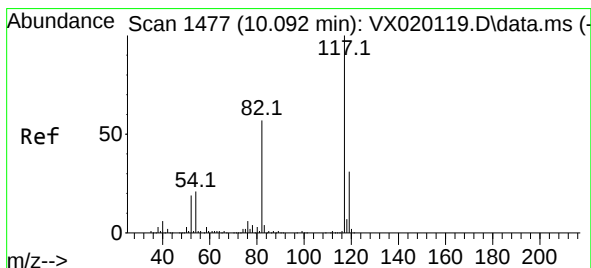
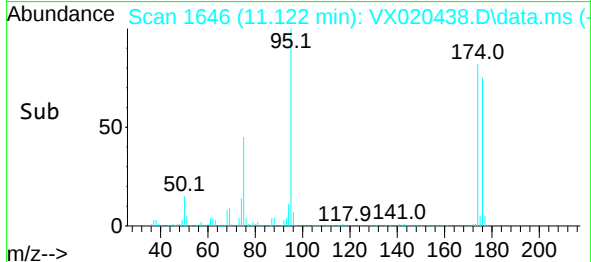
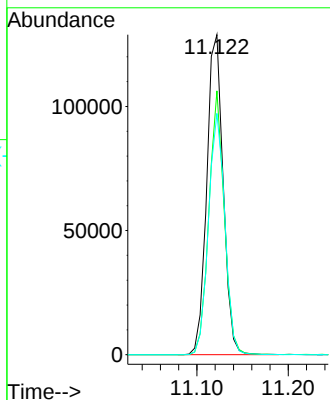
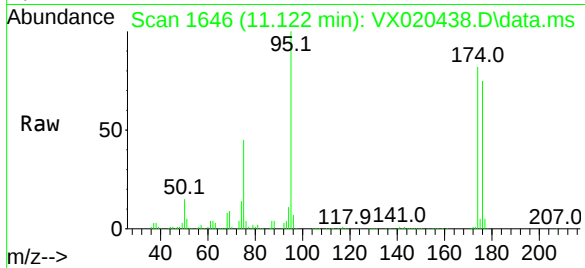




#62
4-Bromofluorobenzene
Concen: 43.59 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

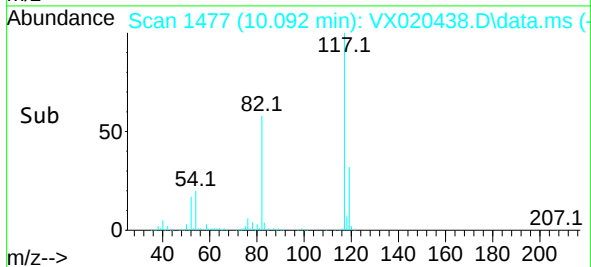
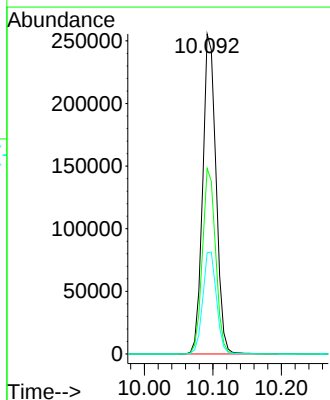
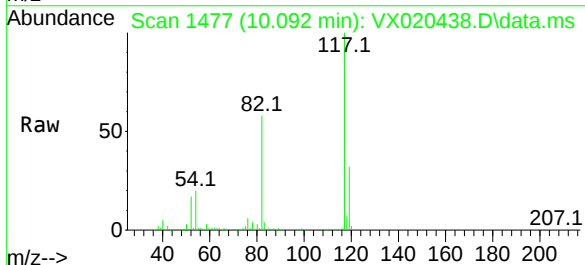
Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

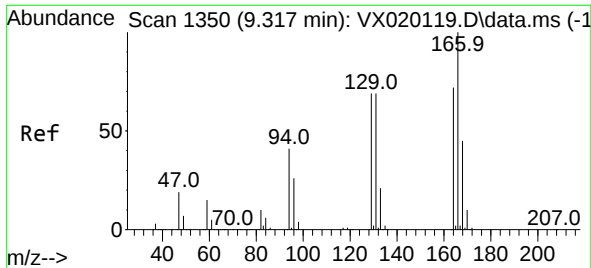
Tgt Ion: 95 Resp: 159955
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 75.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 117 Resp: 346068
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.7 26.6 39.8



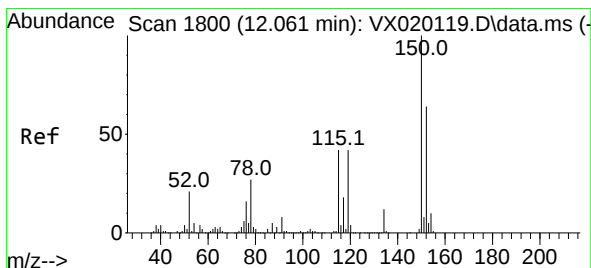
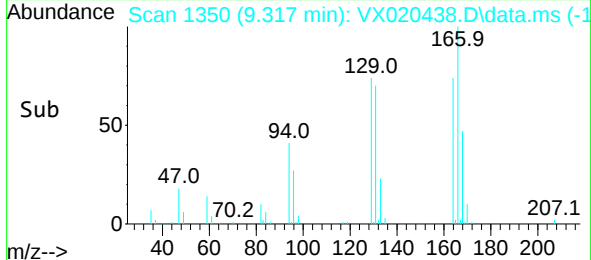
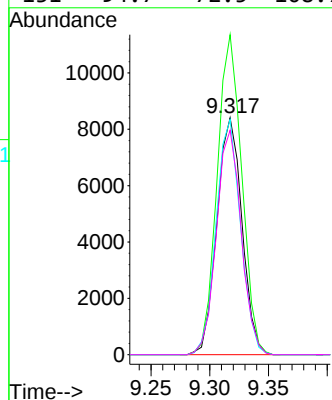
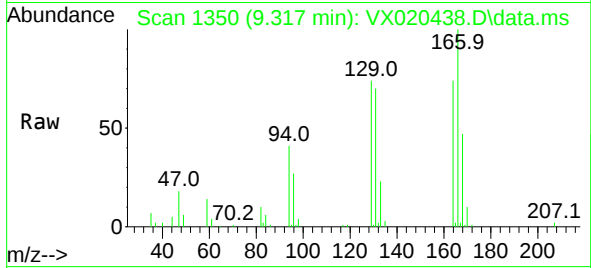


#64
Tetrachloroethene
Concen: 4.79 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

Tgt Ion:164 Resp: 12481

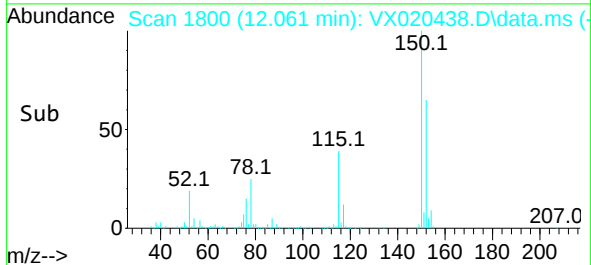
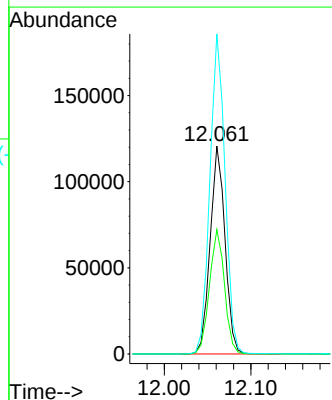
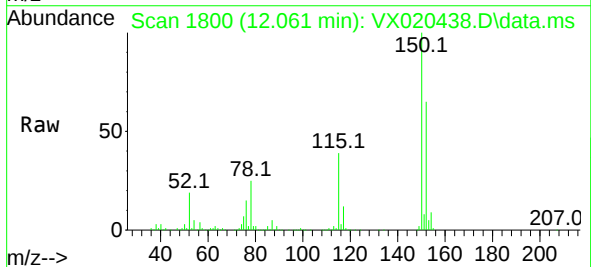
Ion	Ratio	Lower	Upper
164	100		
166	135.0	103.4	155.2
129	99.3	70.8	106.2
131	94.7	72.5	108.7

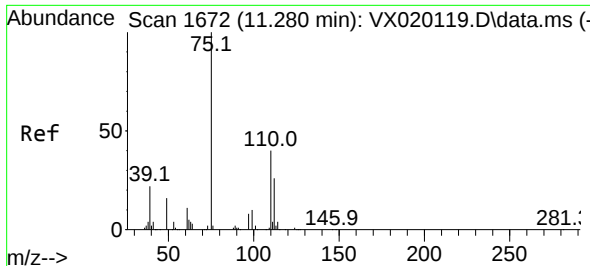


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion:152 Resp: 144087

Ion	Ratio	Lower	Upper
152	100		
115	60.3	41.1	123.3
150	156.5	0.0	349.0

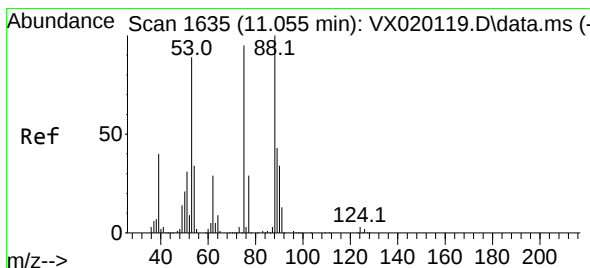
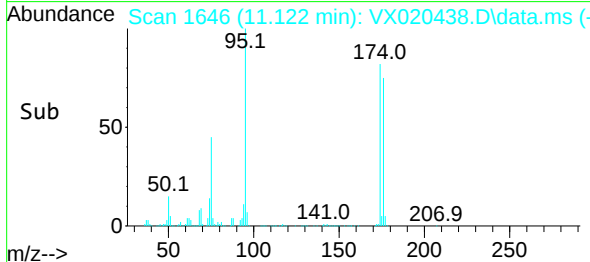
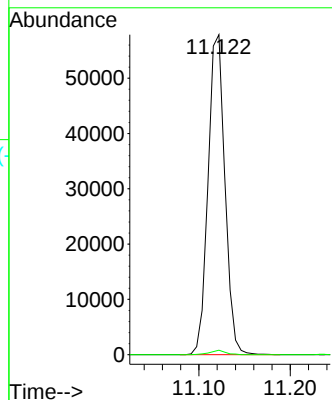
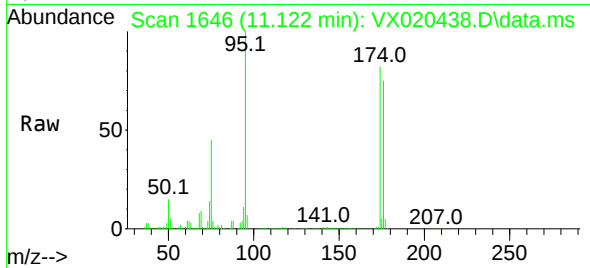




#76
1,2,3-Trichloropropane
Concen: 20.84 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
1022-MW-17A(15.5)

Tgt Ion: 75 Resp: 73955
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.82 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020438.D
Acq: 29 Dec 2020 16:43

Tgt Ion: 75 Resp: 73955
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

