

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020342.D
 Acq On : 23 Dec 2020 16:41
 Operator : JC/MD
 Sample : L5123-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20201213

Quant Time: Dec 24 00:18:40 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)

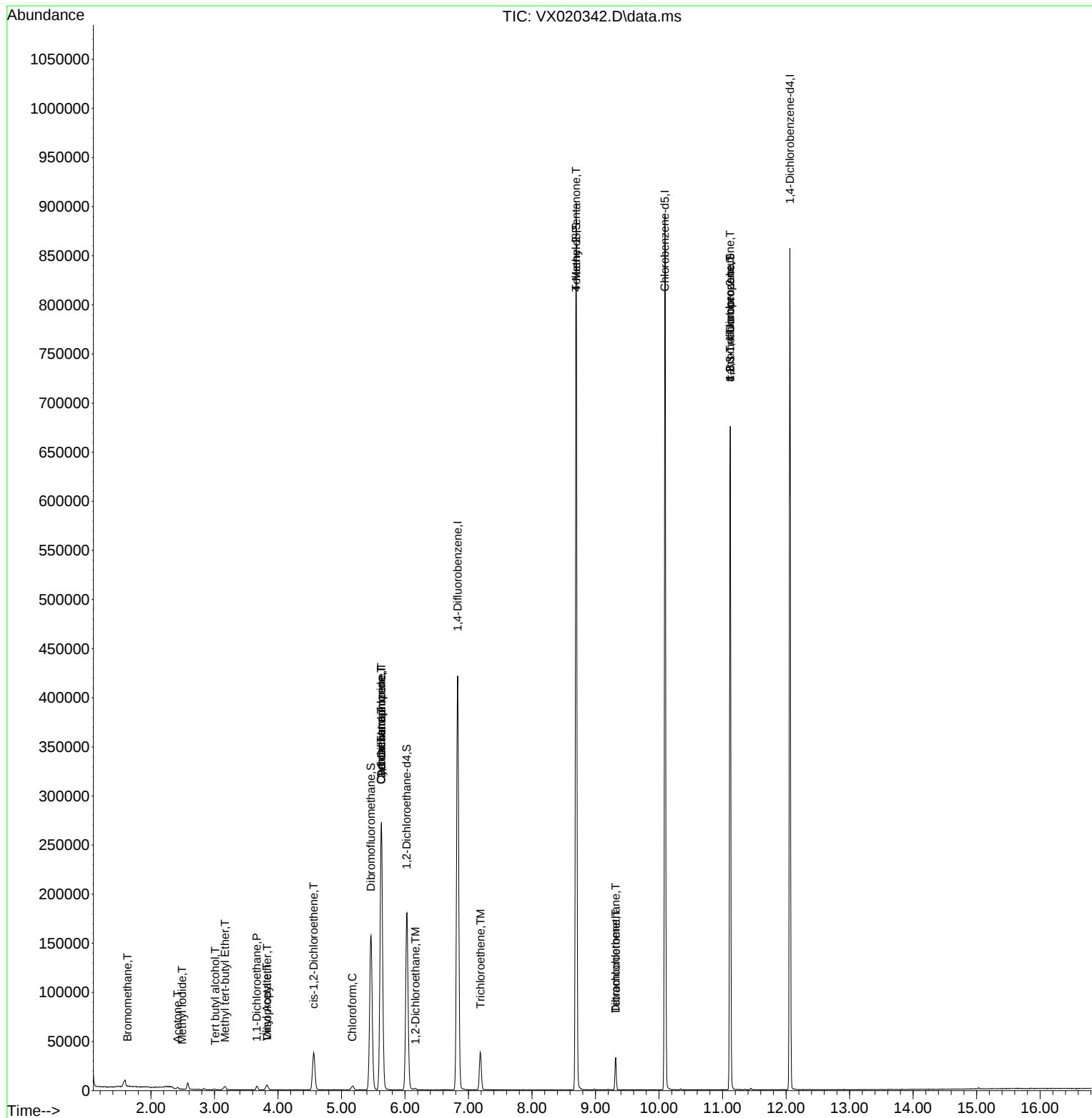
Internal Standards						
1) Pentafluorobenzene	5.629	168	257720	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	431325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	415370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	171936	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	172082	49.81	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.62%		
35) Dibromofluoromethane	5.464	113	138791	50.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.60%		
50) Toluene-d8	8.696	98	527580	49.67	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.34%		
62) 4-Bromofluorobenzene	11.122	95	188724	46.43	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.86%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	418	0.37	ug/l	93
10) Methyl Iodide	2.489	142	92	3.31	ug/l #	42
11) Tert butyl alcohol	3.014	59	587	0.76	ug/l #	73
16) Acetone	2.416	43	1625	1.03	ug/l	96
19) Methyl tert-butyl Ether	3.166	73	3456	0.35	ug/l #	89
22) Diisopropyl ether	3.831	45	5406	0.57	ug/l #	82
23) Vinyl Acetate	3.825	43	2883	0.35	ug/l #	68
24) 1,1-Dichloroethane	3.666	63	4303	0.77	ug/l	99
27) cis-1,2-Dichloroethene	4.562	96	24799	6.88	ug/l	91
30) Chloroform	5.172	83	4928	0.86	ug/l	99
31) Cyclohexane	5.623	56	5041	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20746	4.87	ug/l #	48
38) Carbon Tetrachloride	5.623	117	24950	6.15	ug/l #	16
42) 1,2-Dichloroethane	6.166	62	1561	0.34	ug/l	81
44) Trichloroethene	7.190	130	15157	4.42	ug/l	96
51) 4-Methyl-2-Pentanone	8.696	43	2087	0.48	ug/l #	1
60) Dibromochloromethane	9.317	129	6171	1.86	ug/l #	11
64) Tetrachloroethene	9.317	164	6361	2.03	ug/l	98
76) 1,2,3-Trichloropropane	11.122	75	92716	21.89	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	92716	64.95	ug/l #	12

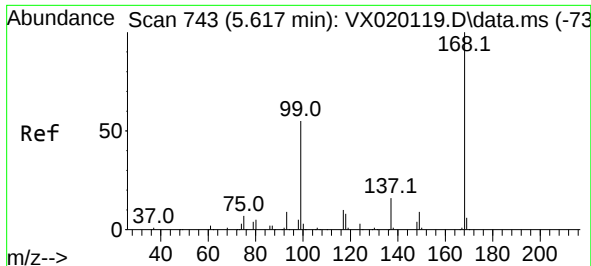
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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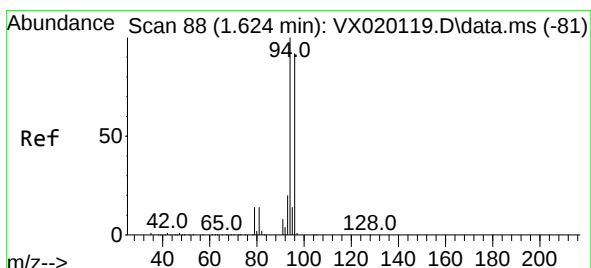
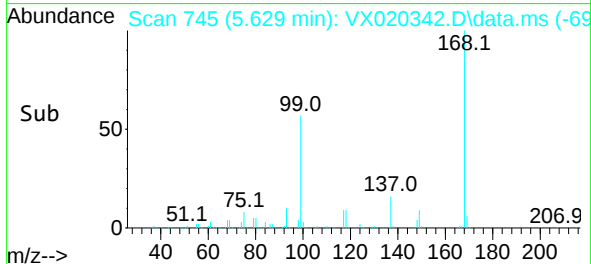
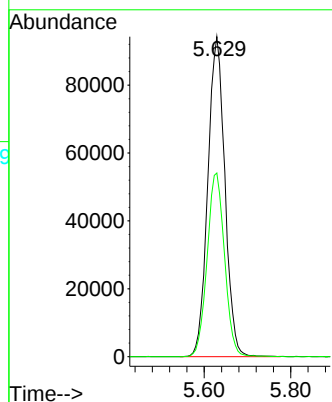
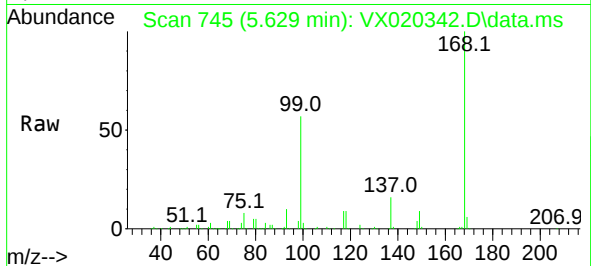




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

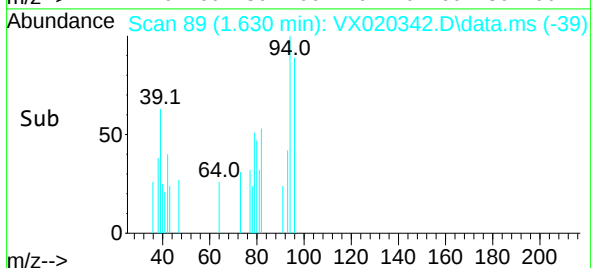
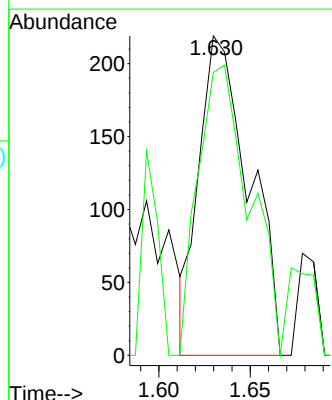
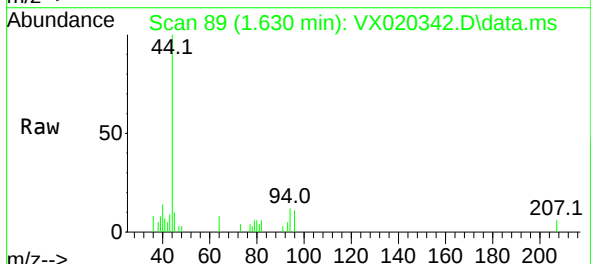
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

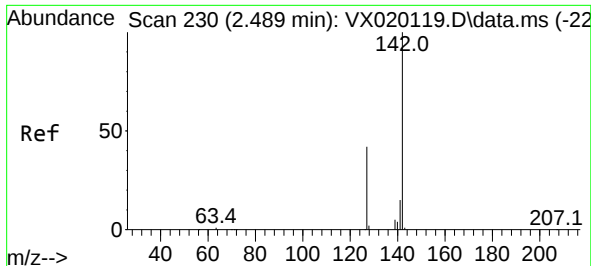
Tgt Ion:168 Resp: 257720
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

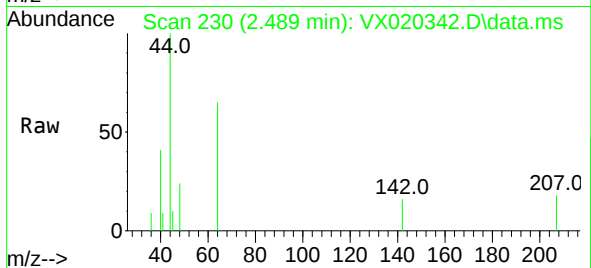
Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 88.6 76.4 114.6



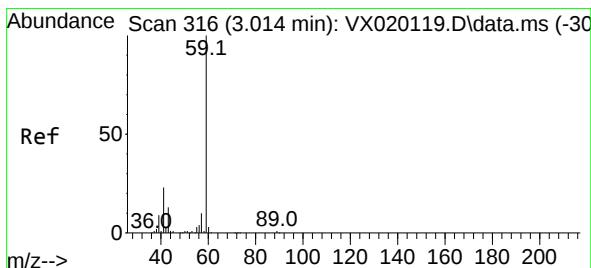
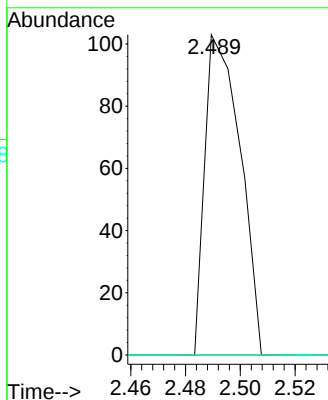
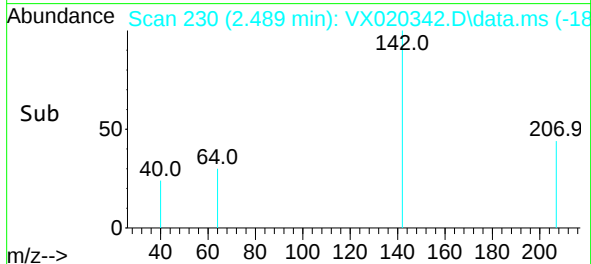


#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

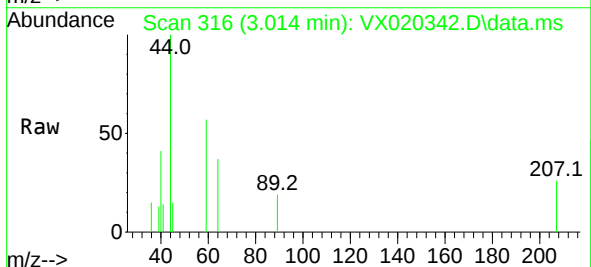
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213



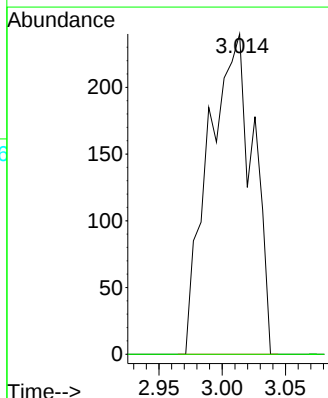
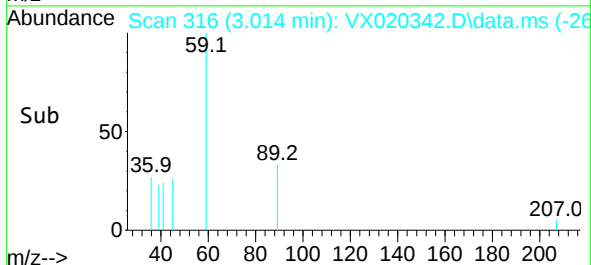
Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

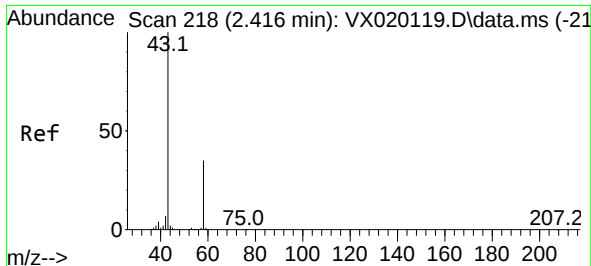


#11
Tert butyl alcohol
Concen: 0.76 ug/l
RT: 3.014 min Scan# 316
Delta R.T. -0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41



Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

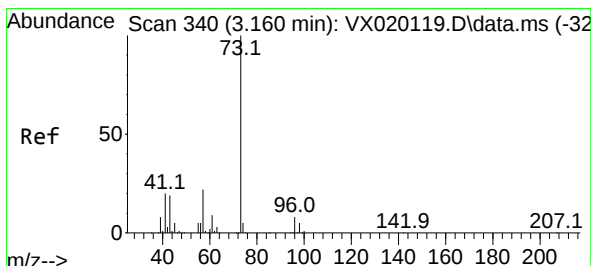
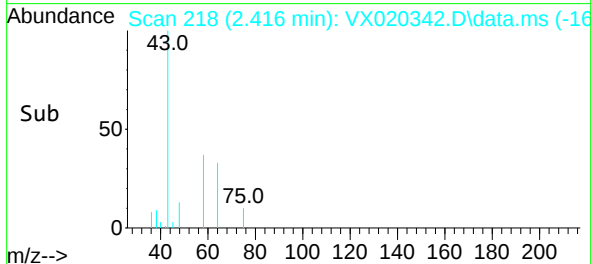
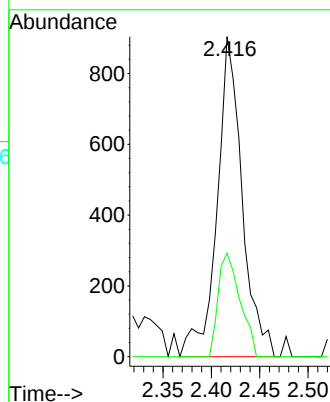
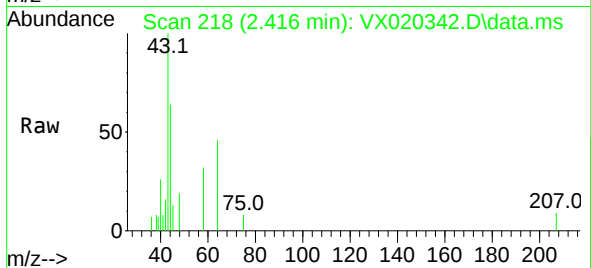




#16
Acetone
Concen: 1.03 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

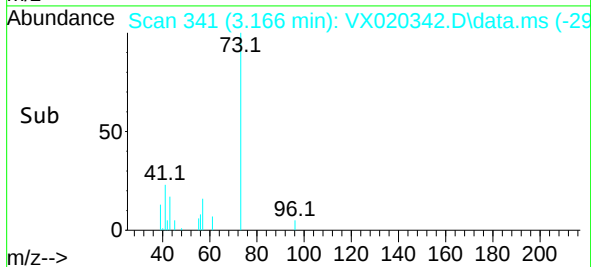
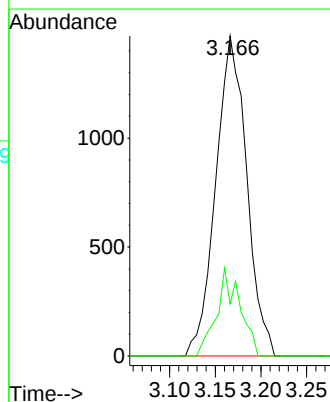
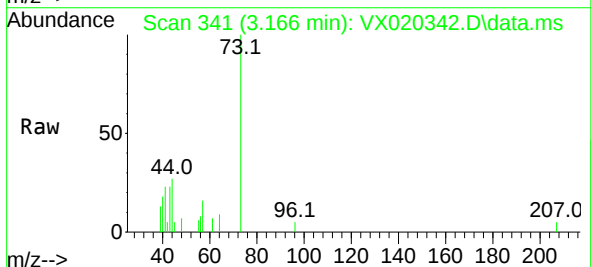
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

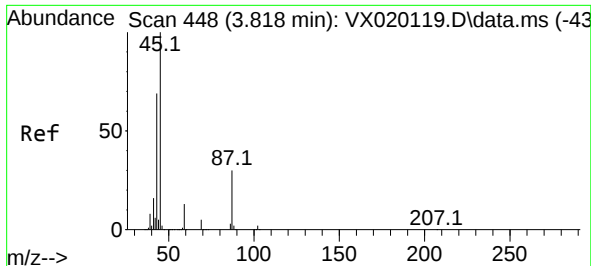
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
58 32.3 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 0.35 ug/l
RT: 3.166 min Scan# 341
Delta R.T. 0.006 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 73 Resp: 3456
Ion Ratio Lower Upper
73 100
57 16.3 17.1 25.7#

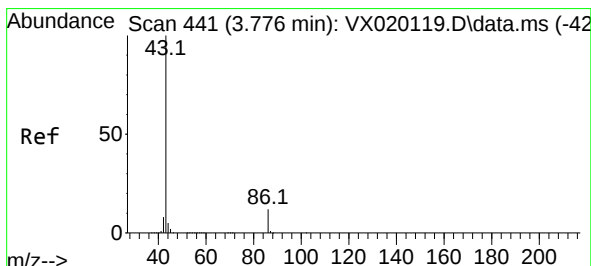
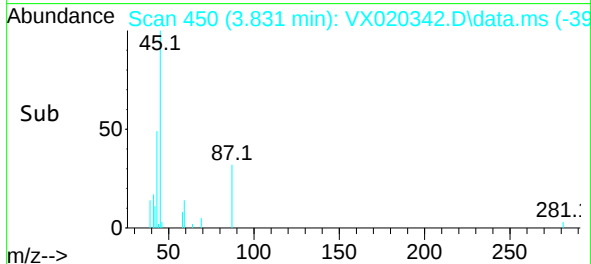
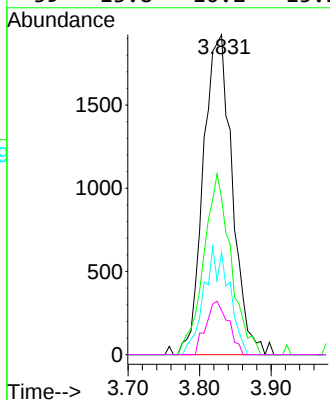
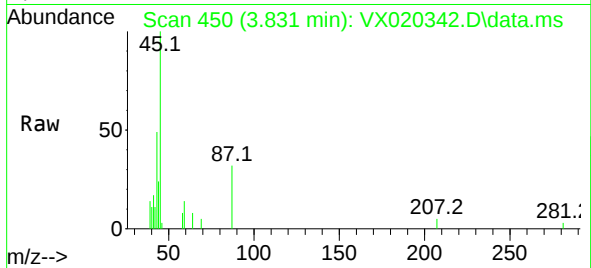




#22
Diisopropyl ether
Concen: 0.57 ug/l
RT: 3.831 min Scan# 450
Delta R.T. 0.013 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

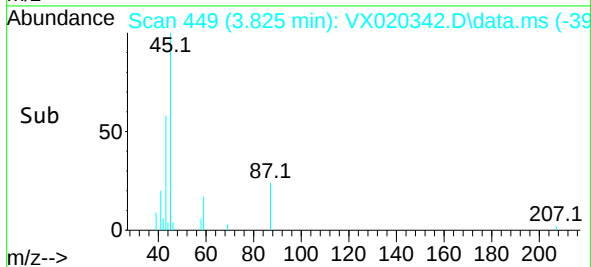
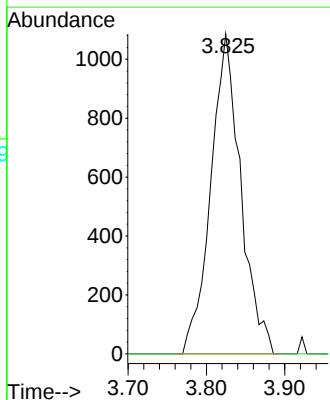
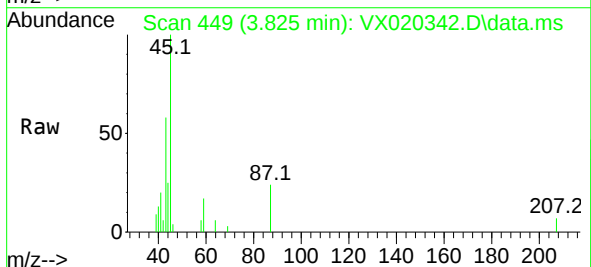
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

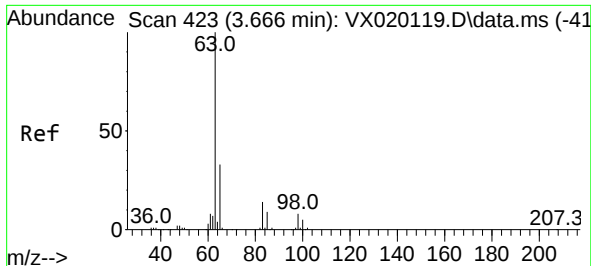
Tgt Ion: 45	Resp: 5406
Ion Ratio	Lower Upper
45 100	
43 49.0	58.0 87.0#
87 31.9	25.4 38.0
59 13.8	10.2 15.2



#23
Vinyl Acetate
Concen: 0.35 ug/l
RT: 3.825 min Scan# 449
Delta R.T. 0.049 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 43	Resp: 2883
Ion Ratio	Lower Upper
43 100	
86 0.0	9.9 14.9#

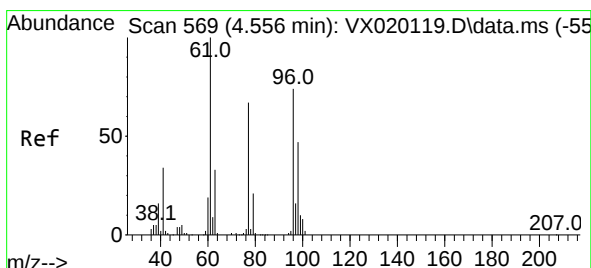
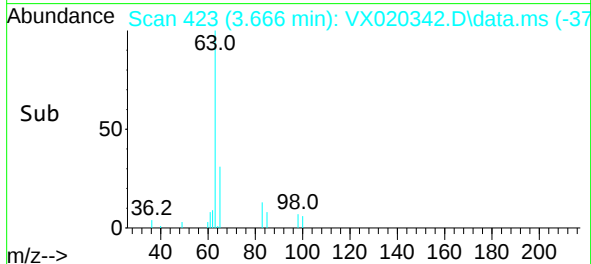
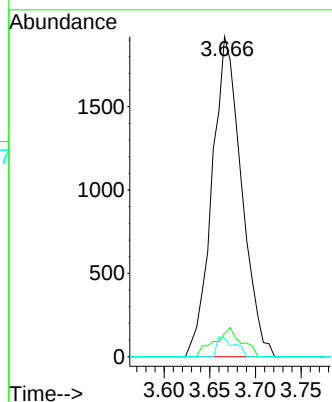
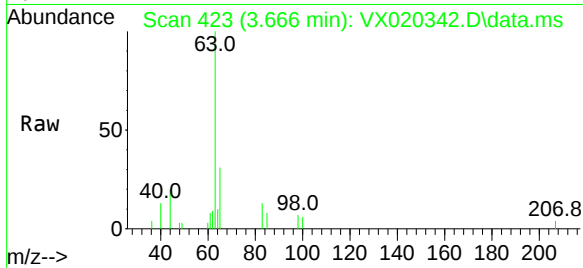




#24
1,1-Dichloroethane
Concen: 0.77 ug/l
RT: 3.666 min Scan# 423
Delta R.T. 0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

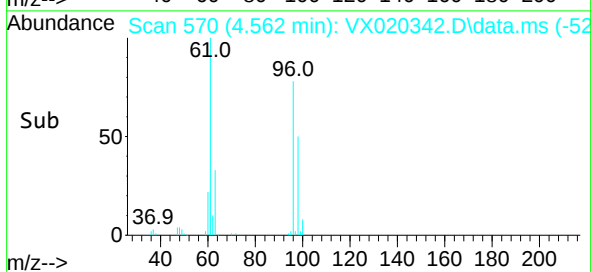
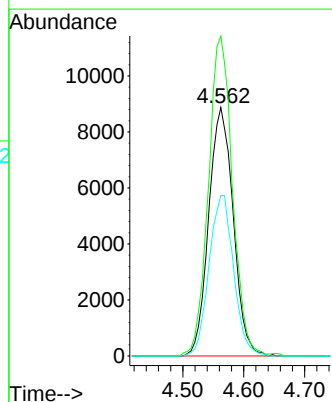
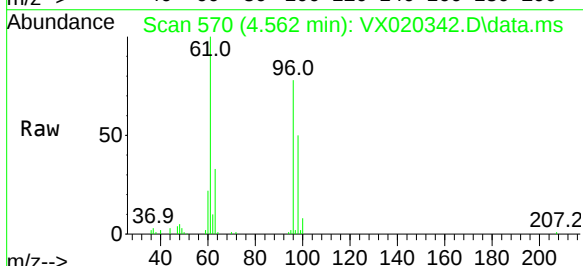
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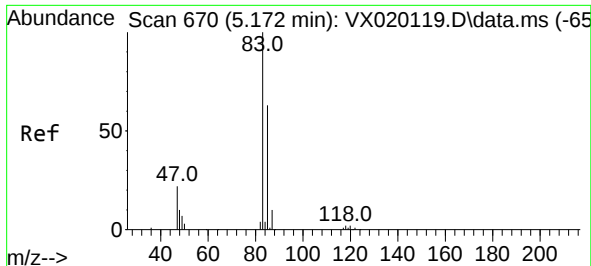
Tgt Ion: 63	Resp: 4303
Ion Ratio	Lower Upper
63 100	
98 7.2	3.8 11.2
100 5.7	2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 6.88 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 96	Resp: 24799
Ion Ratio	Lower Upper
96 100	
61 126.2	0.0 285.6
98 64.7	0.0 129.6





#30

Chloroform

Concen: 0.86 ug/l

RT: 5.172 min Scan# 670

Delta R.T. -0.000 min

Lab File: VX020342.D

Acq: 23 Dec 2020 16:41

Tgt Ion: 83 Resp: 4928

Ion Ratio Lower Upper

83 100

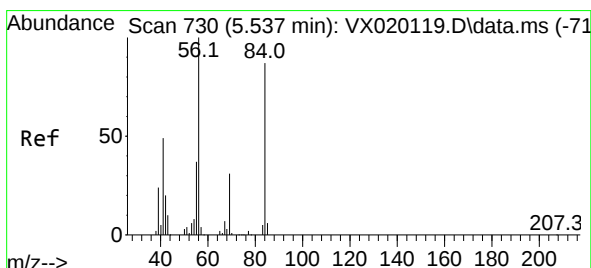
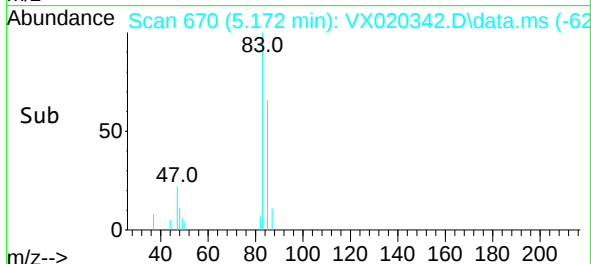
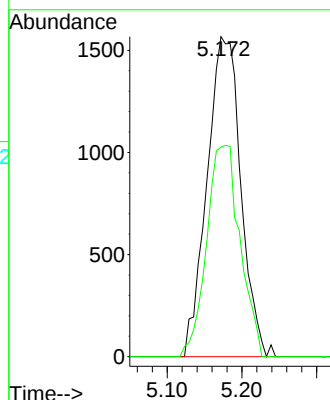
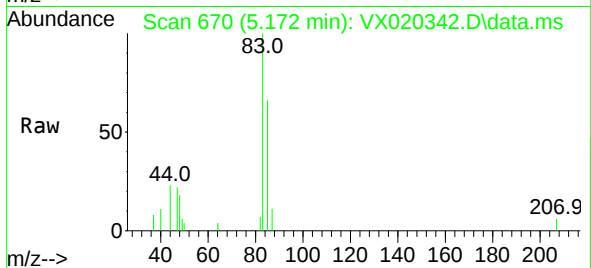
85 65.5 52.0 78.0

Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20201213



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.623 min Scan# 744

Delta R.T. 0.086 min

Lab File: VX020342.D

Acq: 23 Dec 2020 16:41

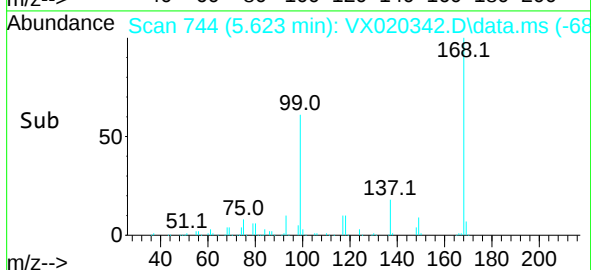
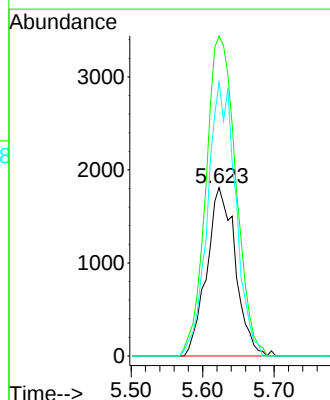
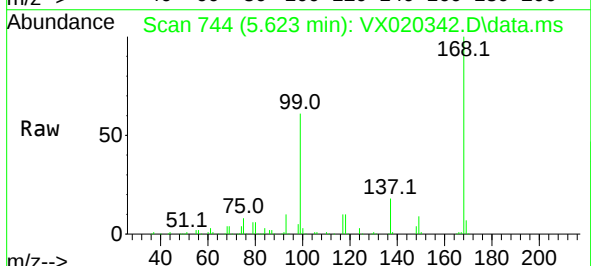
Tgt Ion: 56 Resp: 5041

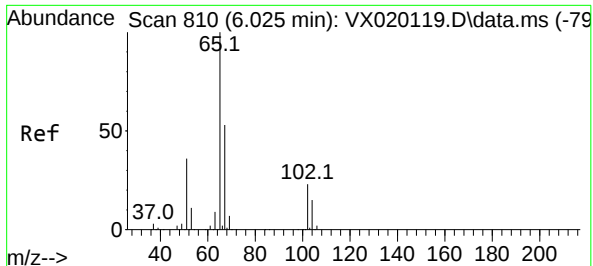
Ion Ratio Lower Upper

56 100

69 190.2 25.3 37.9#

84 162.6 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.81 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020342.D

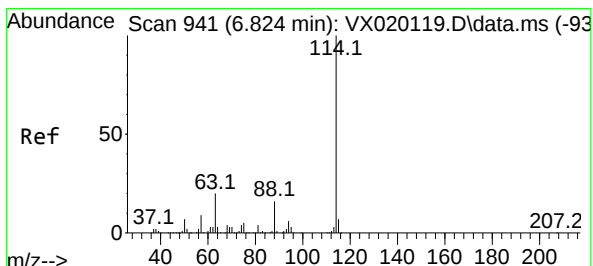
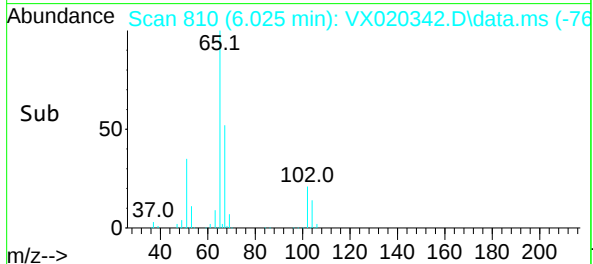
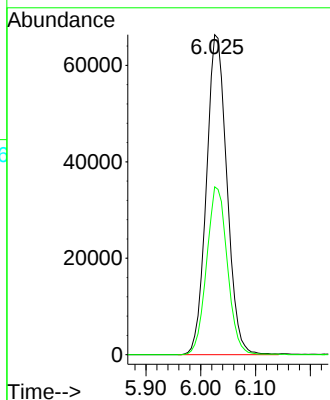
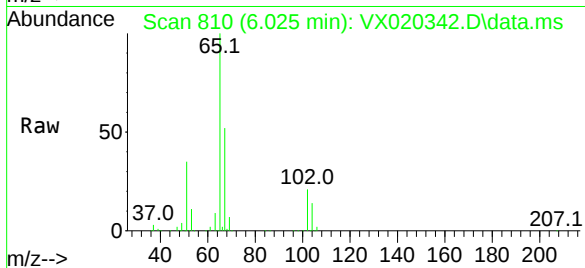
Acq: 23 Dec 2020 16:41

Tgt Ion: 65 Resp: 172082

Ion Ratio Lower Upper

65 100

67 53.3 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: VX020342.D

Acq: 23 Dec 2020 16:41

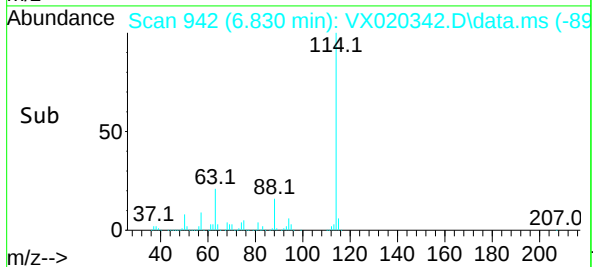
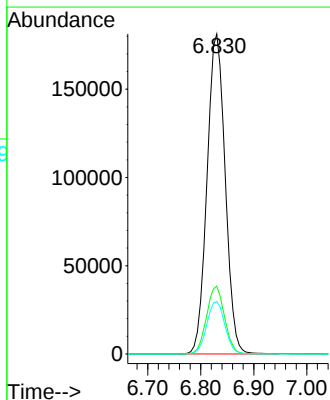
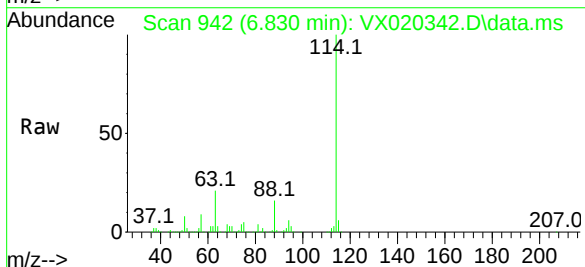
Tgt Ion: 114 Resp: 431325

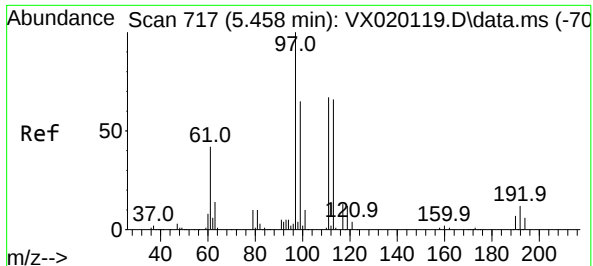
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 16.4 0.0 32.8

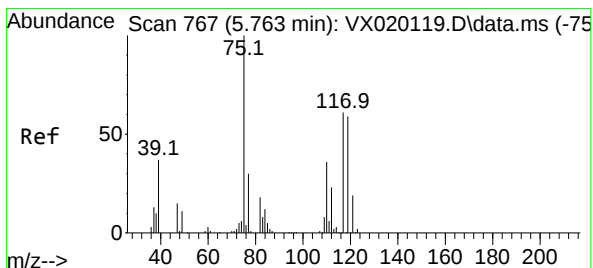
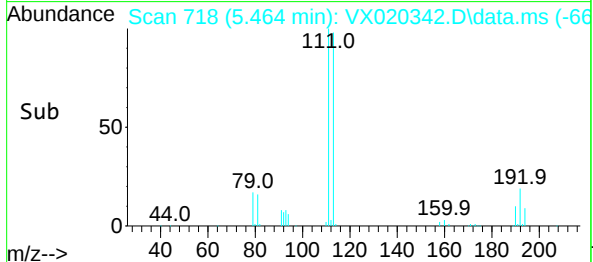
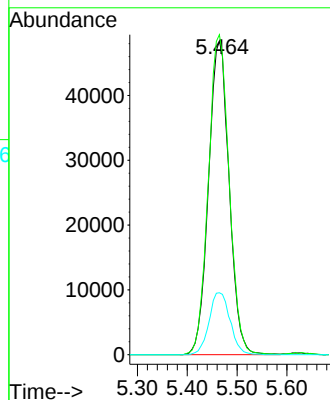
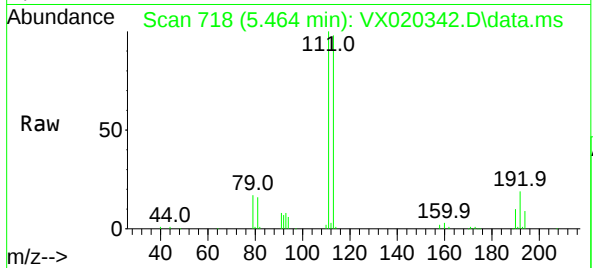




#35
Dibromofluoromethane
Concen: 50.30 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

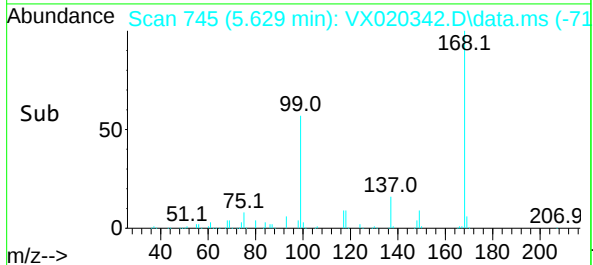
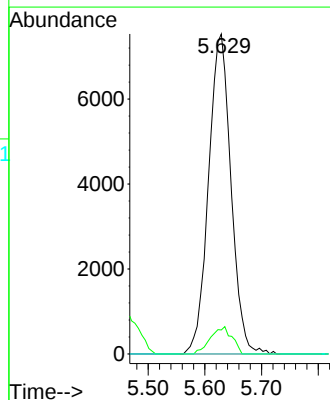
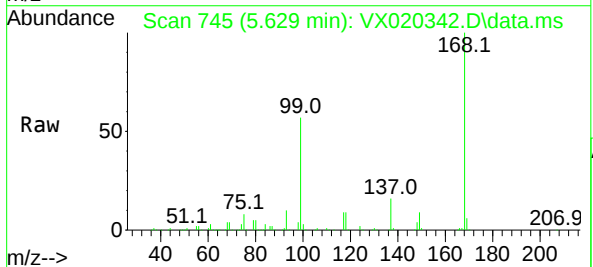
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

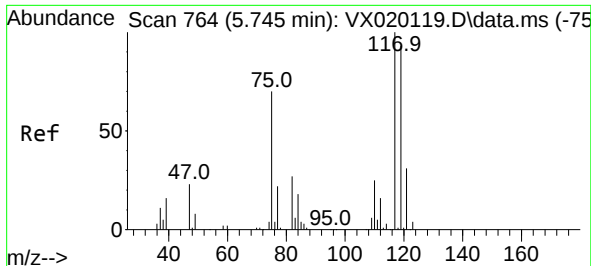
Tgt Ion:113 Resp: 138791
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 20.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

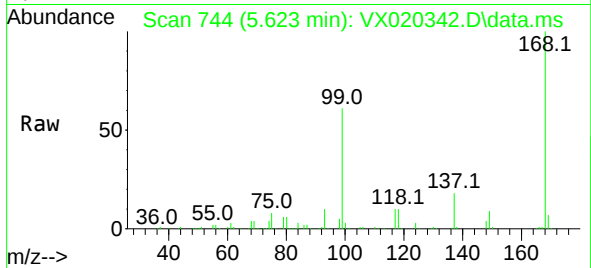
Tgt Ion: 75 Resp: 20746
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



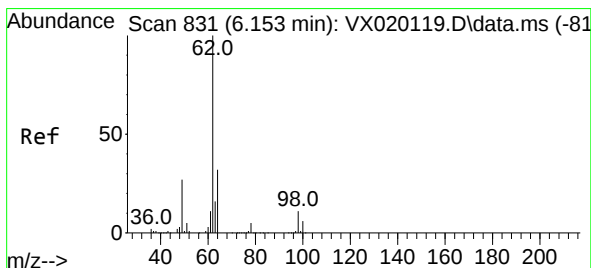
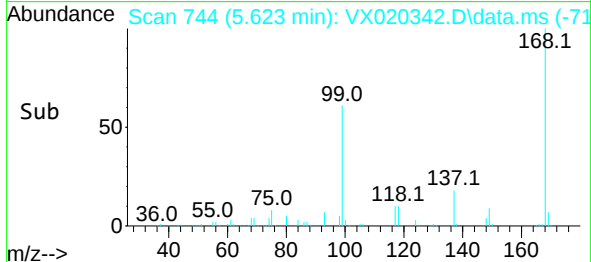
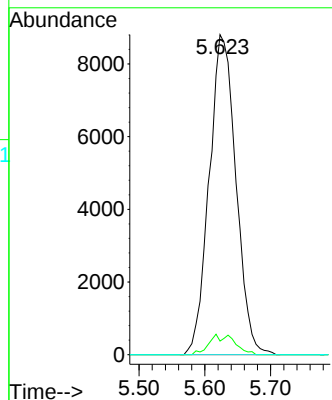


#38
Carbon Tetrachloride
Concen: 6.15 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

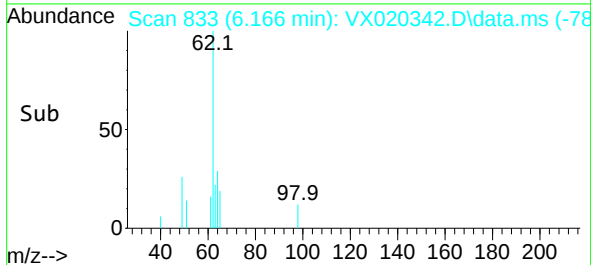
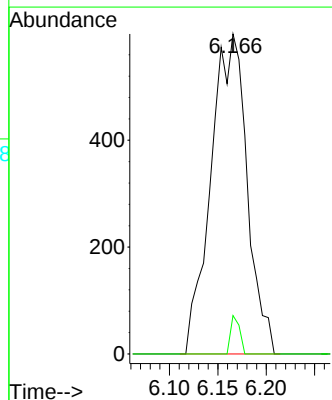
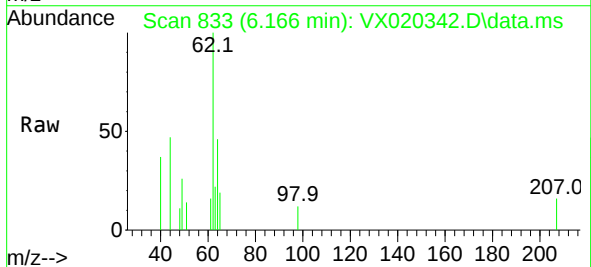


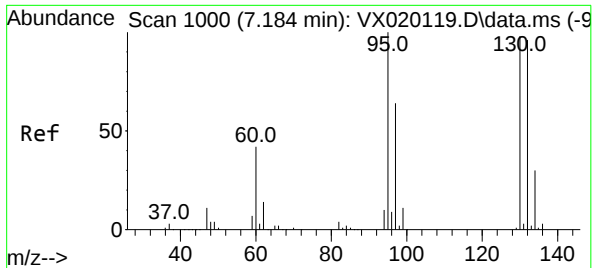
Tgt Ion: 117 Resp: 24950
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.34 ug/l
RT: 6.166 min Scan# 833
Delta R.T. 0.013 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 62 Resp: 1561
Ion Ratio Lower Upper
62 100
98 2.9 0.0 20.2

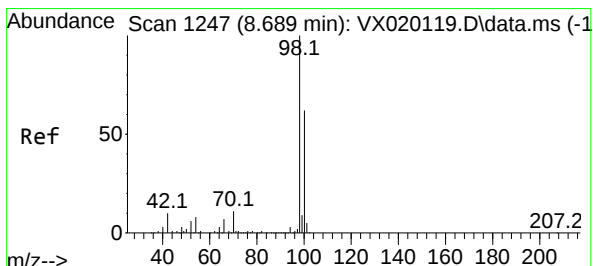
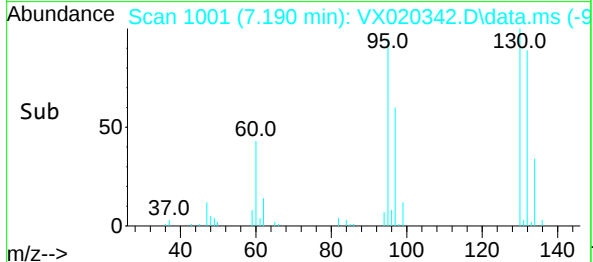
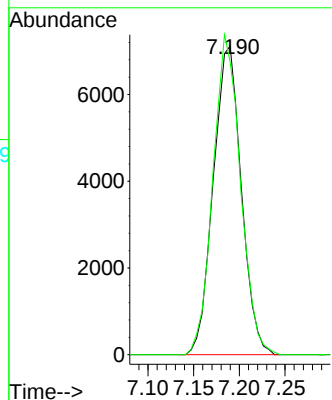
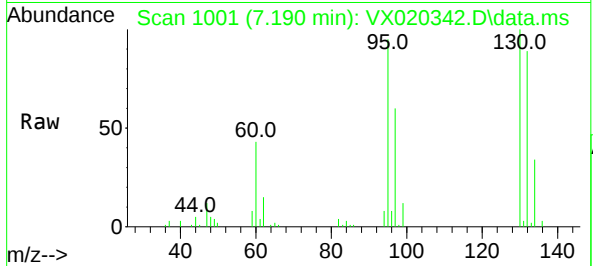




#44
Trichloroethene
Concen: 4.42 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

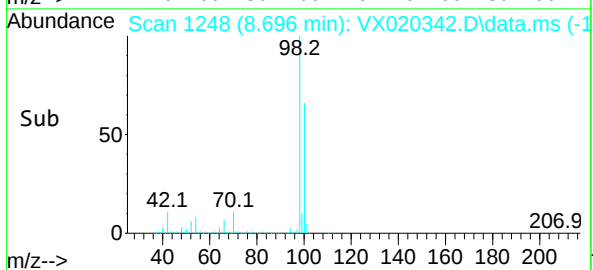
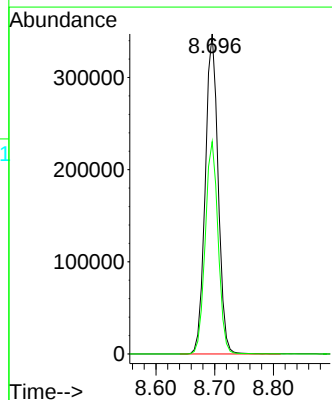
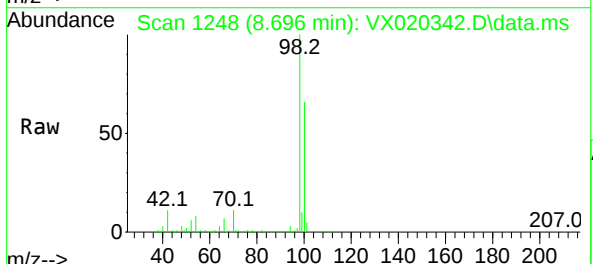
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

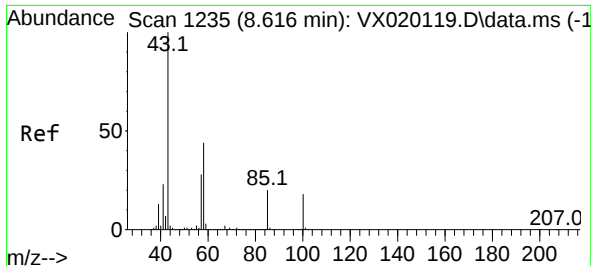
Tgt Ion:130 Resp: 15157
Ion Ratio Lower Upper
130 100
95 94.9 0.0 198.0



#50
Toluene-d8
Concen: 49.67 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 98 Resp: 527580
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

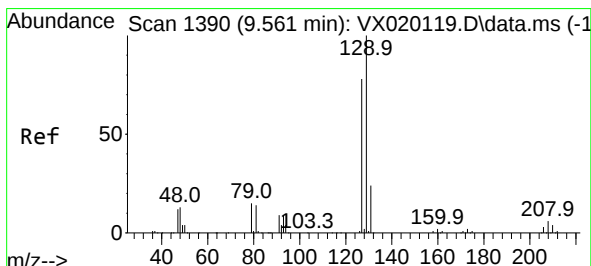
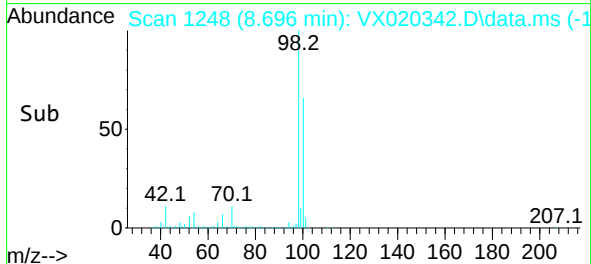
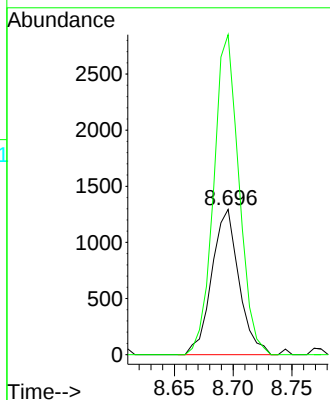
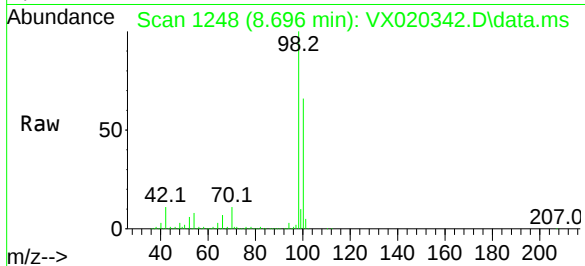




#51
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

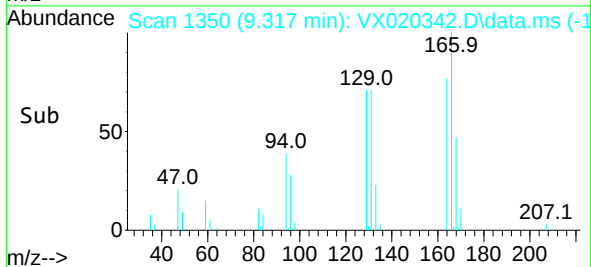
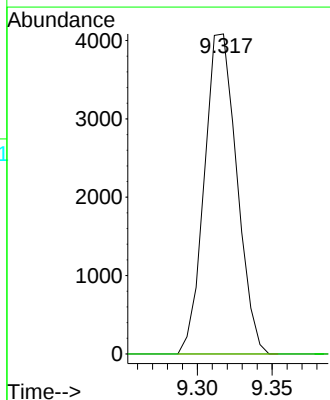
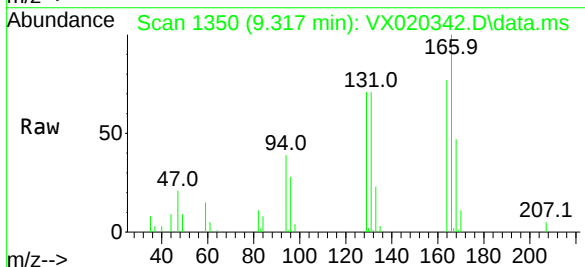
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

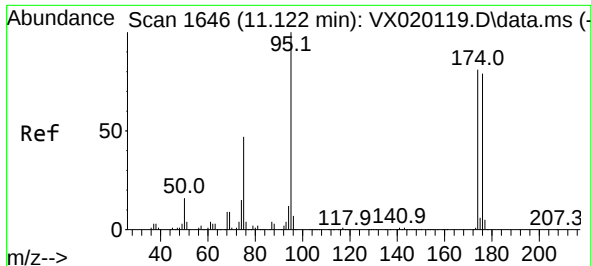
Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 204.5 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.86 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 129 Resp: 6171
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

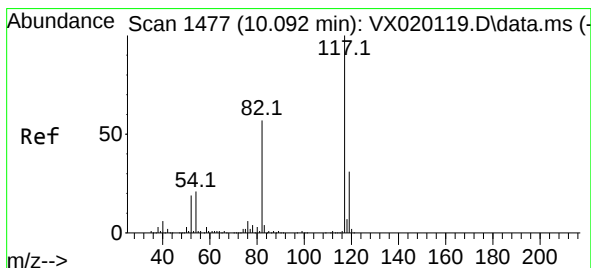
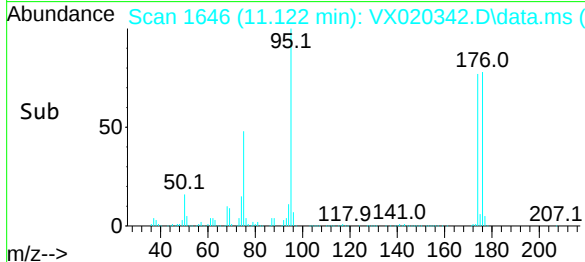
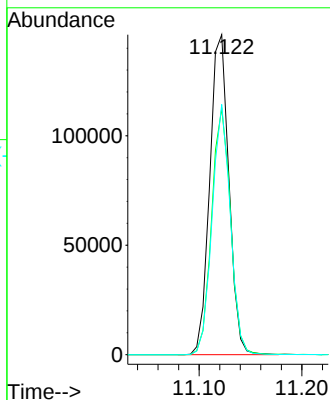
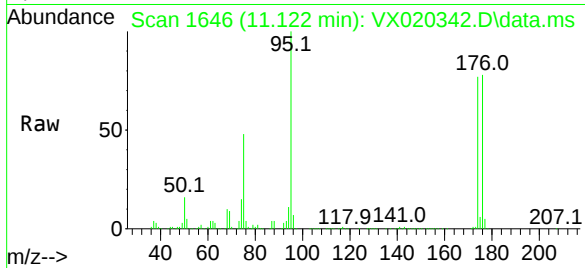




#62
4-Bromofluorobenzene
Concen: 46.43 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

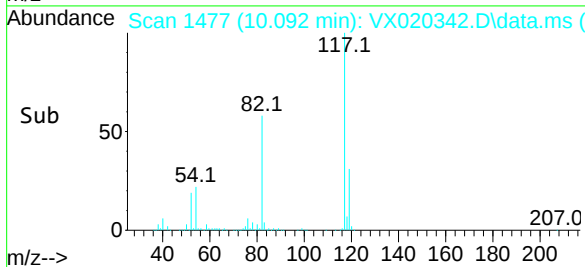
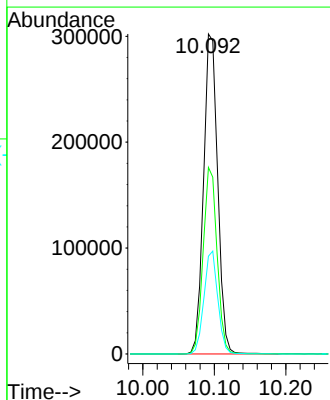
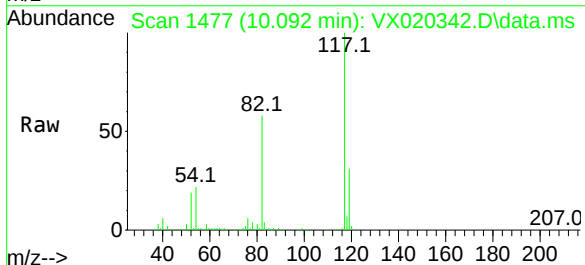
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

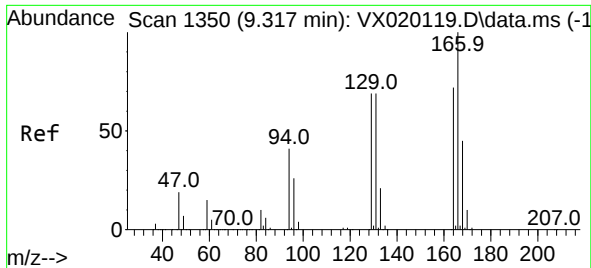
Tgt Ion: 95 Resp: 188724
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 74.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 117 Resp: 415370
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 30.5 26.6 39.8

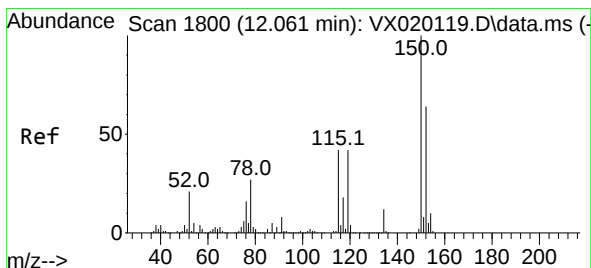
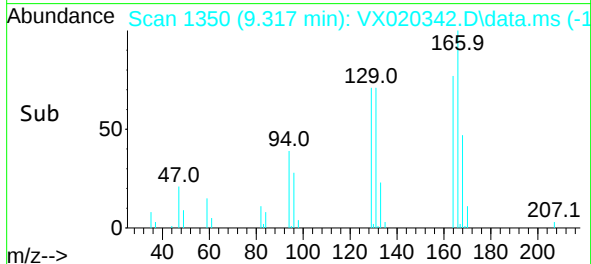
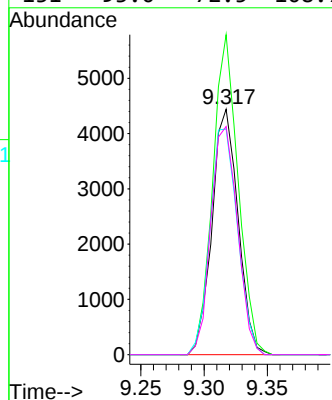
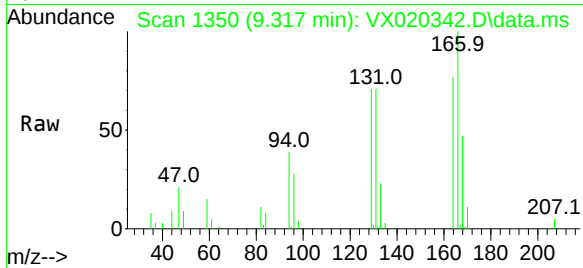




#64
Tetrachloroethene
Concen: 2.03 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

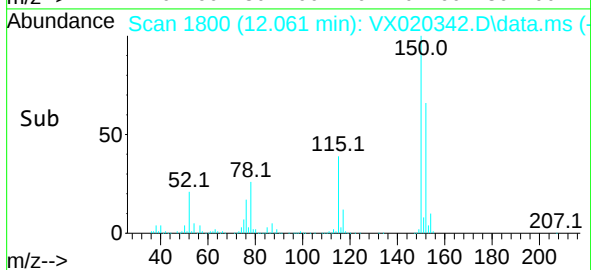
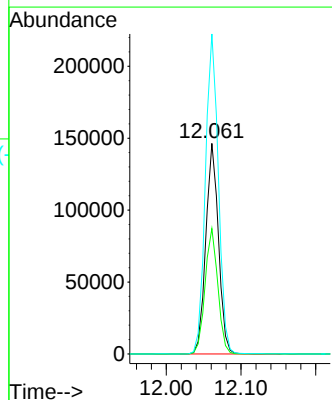
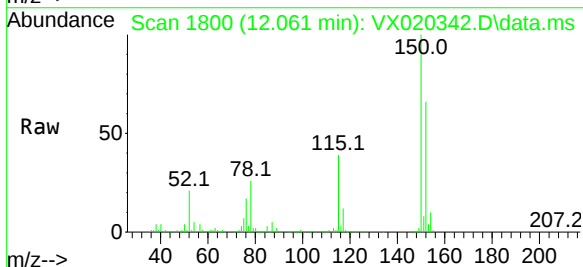
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

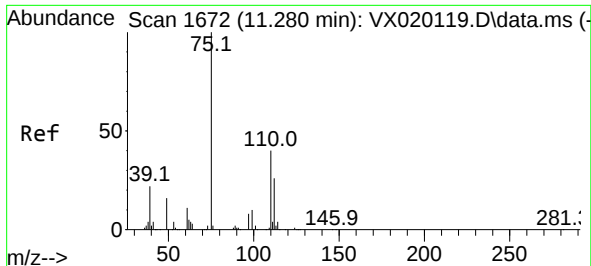
Tgt	Ion:164	Resp:	6361
Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.4	155.2
129	92.0	70.8	106.2
131	93.0	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion:152	Resp:	171936	
Ion	Ratio	Lower	Upper
152	100		
115	60.0	41.1	123.3
150	155.8	0.0	349.0

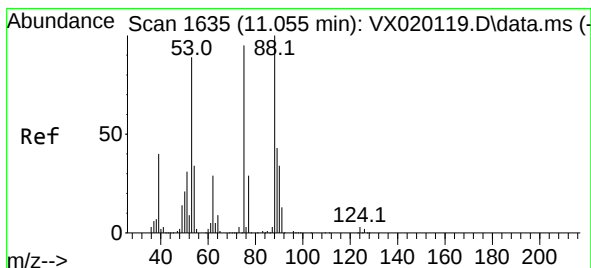
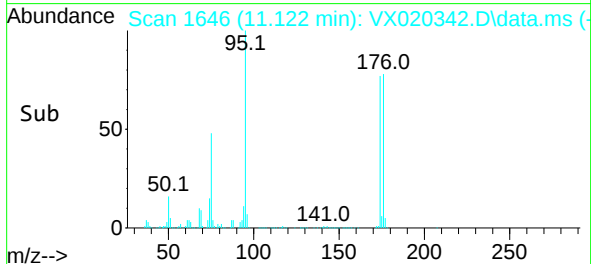
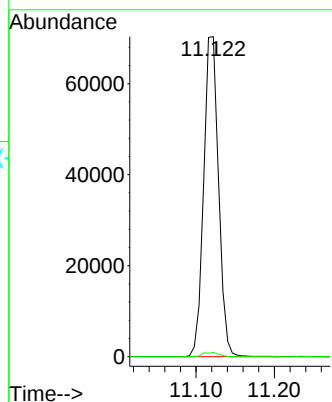
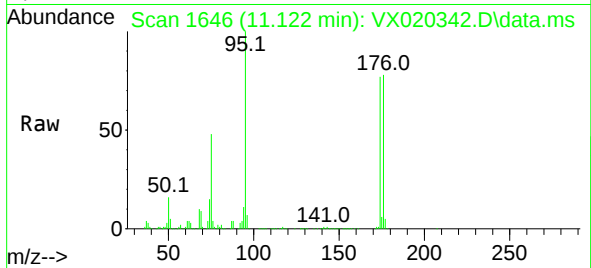




#76
1,2,3-Trichloropropane
Concen: 21.89 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20201213

Tgt Ion: 75 Resp: 92716
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.95 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020342.D
Acq: 23 Dec 2020 16:41

Tgt Ion: 75 Resp: 92716
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

