

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065110.D
 Acq On : 14 Dec 2020 19:04
 Operator : JC/MD
 Sample : L5040-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Dec 15 05:52:27 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

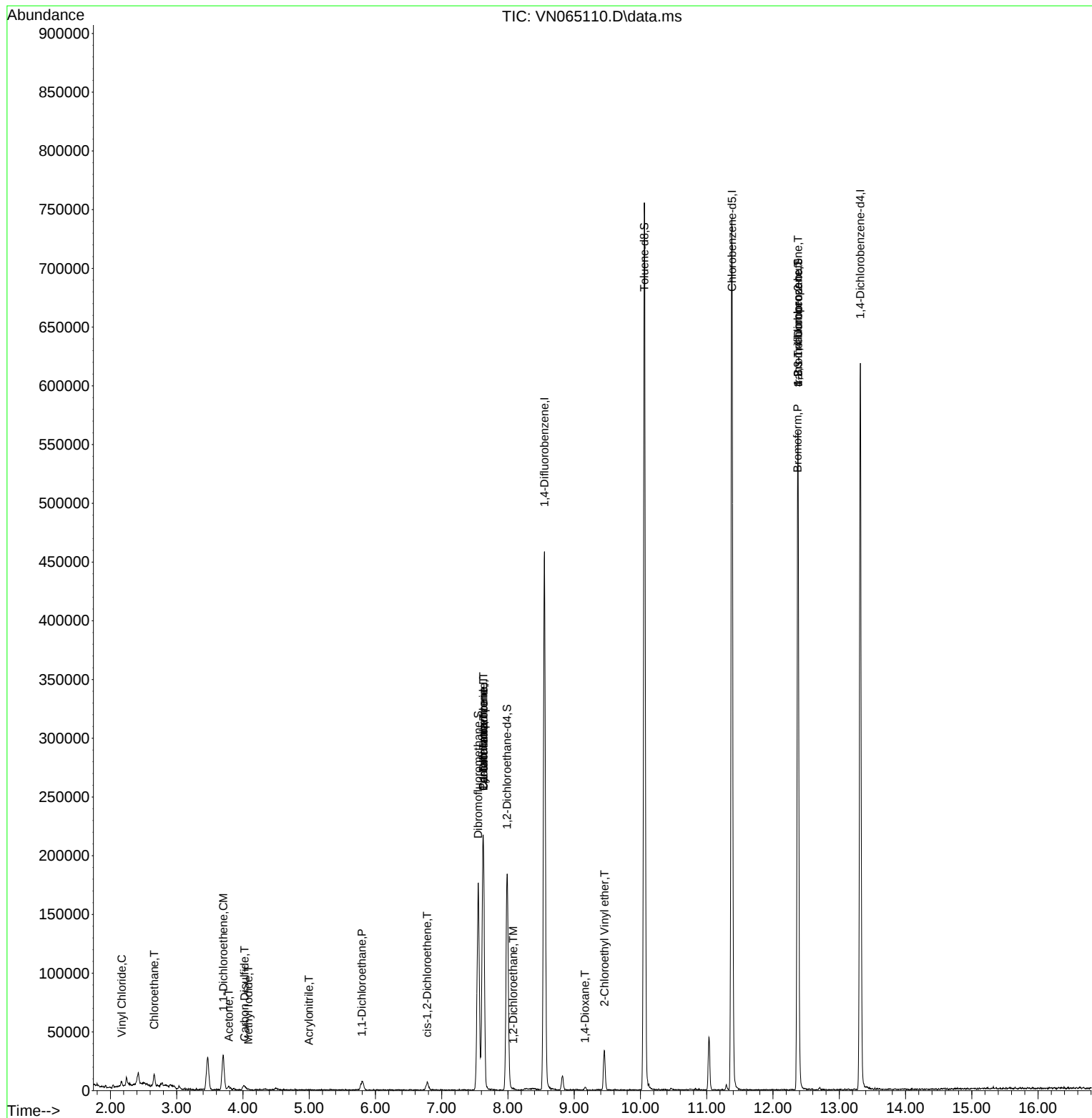
Internal Standards						
1) Pentafluorobenzene	7.627	168	166873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	412277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	441936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	167789	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	166250	86.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 173.32%#			
35) Dibromofluoromethane	7.550	113	120433	42.02	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 84.04%			
50) Toluene-d8	10.058	98	522293	51.54	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.08%			
62) 4-Bromofluorobenzene	12.376	95	192874	55.27	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.54%			
Target Compounds						Qvalue
3) Chloromethane	2.039	50	1412	Below Cal		89
4) Vinyl Chloride	2.171	62	3868	2.50 ug/l #		86
5) Bromomethane	2.541	94	174	Below Cal #		3
6) Chloroethane	2.660	64	195	0.23 ug/l #		43
10) Methyl Iodide	4.081	142	62	3.96 ug/l #		40
12) 1,1-Dichloroethene	3.705	96	13838	9.01 ug/l		94
15) Acrylonitrile	4.994	53	156	0.23 ug/l #		18
16) Acetone	3.785	43	4028	5.64 ug/l #		72
17) Carbon Disulfide	4.023	76	957	0.22 ug/l #		75
20) Methylene Chloride	4.512	84	251	Below Cal #		20
24) 1,1-Dichloroethane	5.795	63	11897	3.99 ug/l #		87
27) cis-1,2-Dichloroethene	6.782	96	2030	1.12 ug/l		7
31) Cyclohexane	7.627	56	4983	1.91 ug/l #		52
36) 1,1-Dichloropropene	7.627	75	13716	3.48 ug/l #		42
38) Carbon Tetrachloride	7.627	117	18161	4.00 ug/l #		16
42) 1,2-Dichloroethane	8.081	62	941	0.23 ug/l #		73
49) 1,4-Dioxane	9.161	88	1546	39.11 ug/l #		85
58) 2-Chloroethyl Vinyl ether	9.457	63	724	0.39 ug/l #		46
71) Bromoform	12.370	173	711	0.25 ug/l #		1
76) 1,2,3-Trichloropropane	12.376	75	98852	32.83 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.376	75	98852	91.36 ug/l #		15

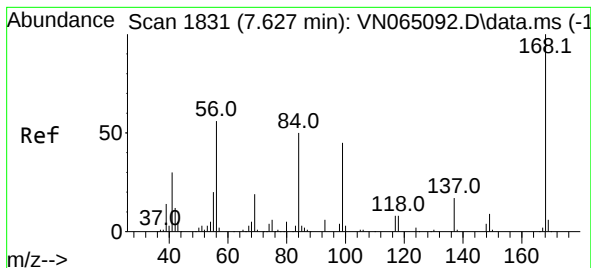
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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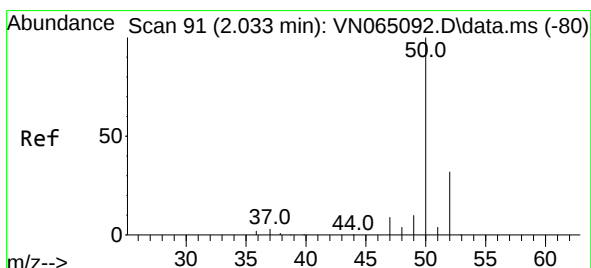
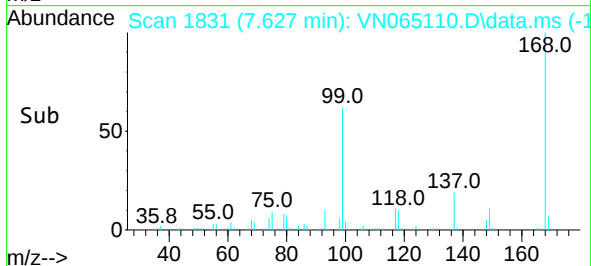
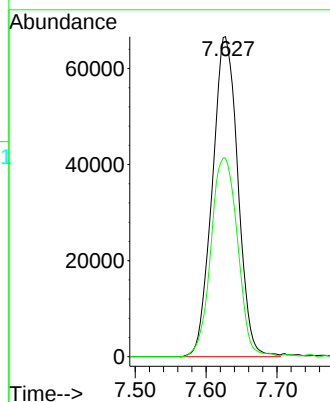
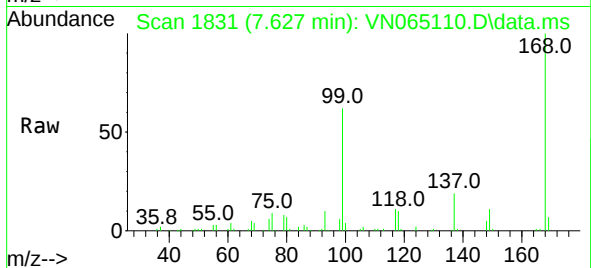




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

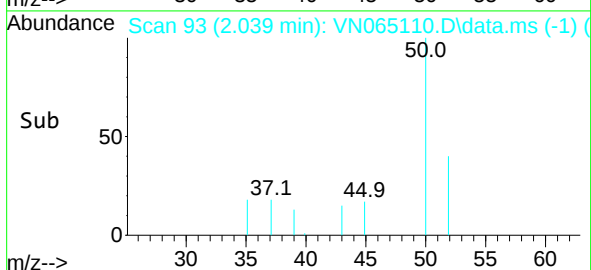
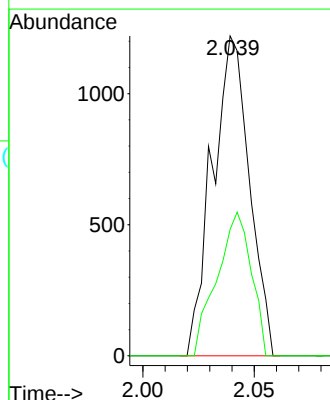
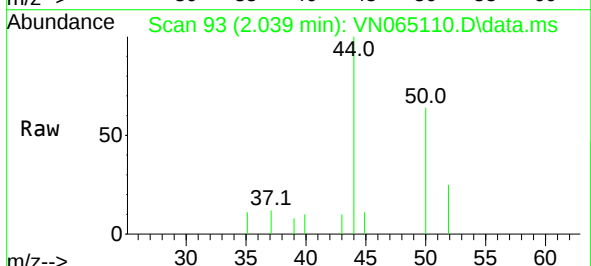
Instrument :
MSVOA_N
ClientSampled :
MW-3

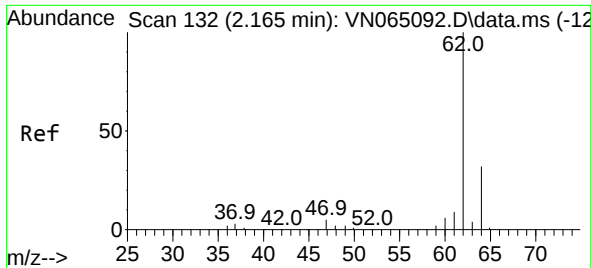
Tgt Ion:168 Resp: 166873
Ion Ratio Lower Upper
168 100
99 62.1 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.039 min Scan# 93
Delta R.T. 0.006 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 50 Resp: 1412
Ion Ratio Lower Upper
50 100
52 39.5 26.6 39.8

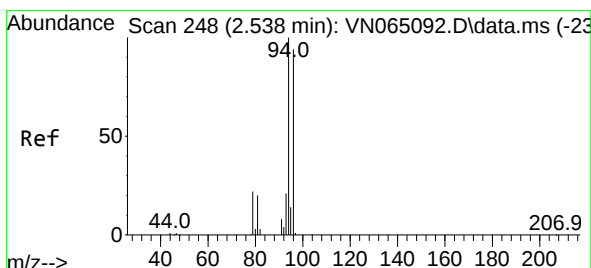
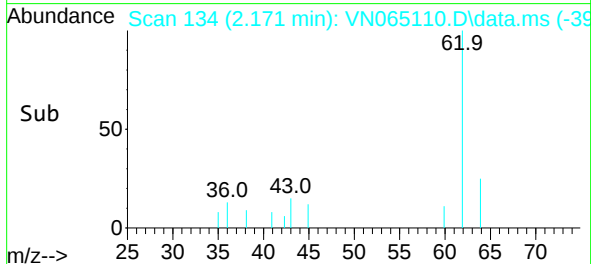
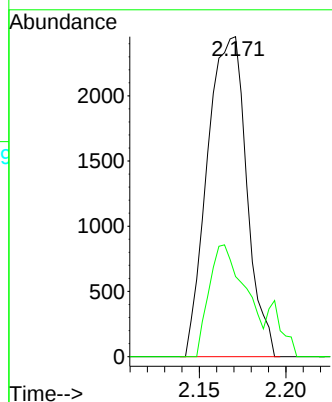
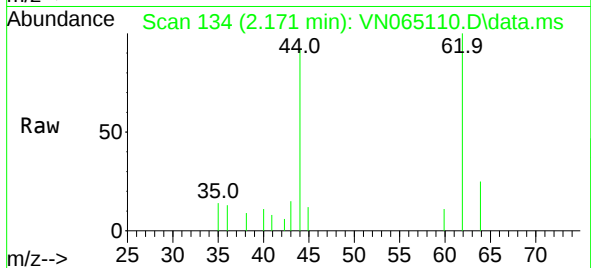




#4
 Vinyl Chloride
 Concen: 2.50 ug/l
 RT: 2.171 min Scan# 134
 Delta R.T. 0.006 min
 Lab File: VN065110.D
 Acq: 14 Dec 2020 19:04

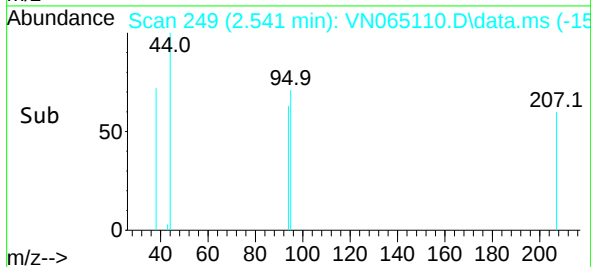
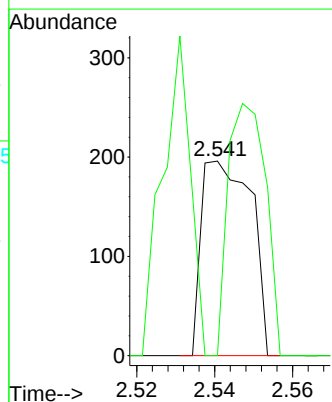
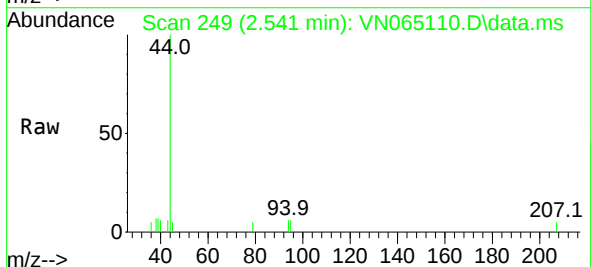
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

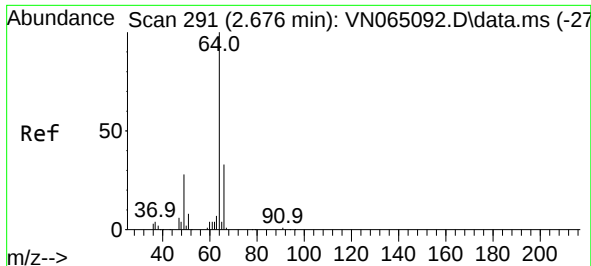
Tgt Ion: 62 Resp: 3868
 Ion Ratio Lower Upper
 62 100
 64 25.1 26.5 39.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.541 min Scan# 249
 Delta R.T. 0.003 min
 Lab File: VN065110.D
 Acq: 14 Dec 2020 19:04

Tgt Ion: 94 Resp: 174
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.4 113.0#

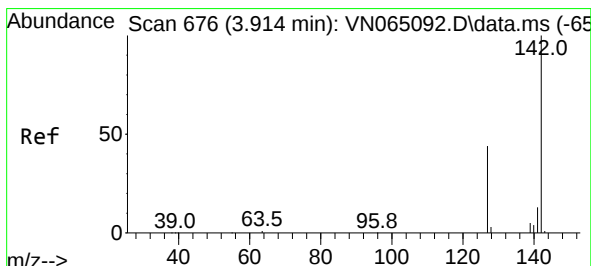
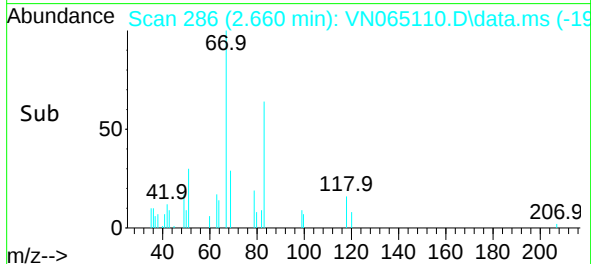
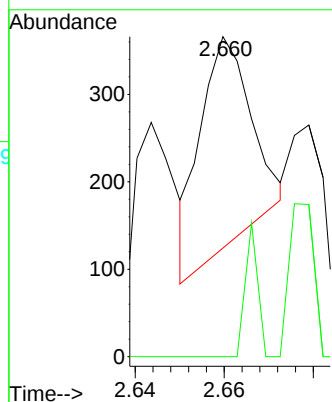
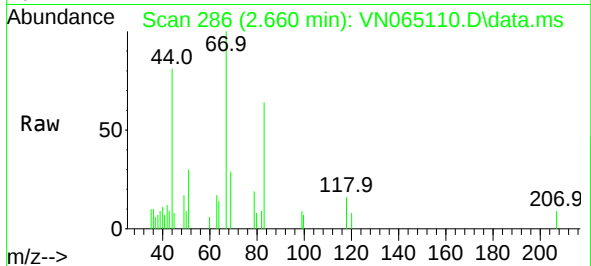




#6
Chloroethane
Concen: 0.23 ug/l
RT: 2.660 min Scan# 286
Delta R.T. -0.016 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

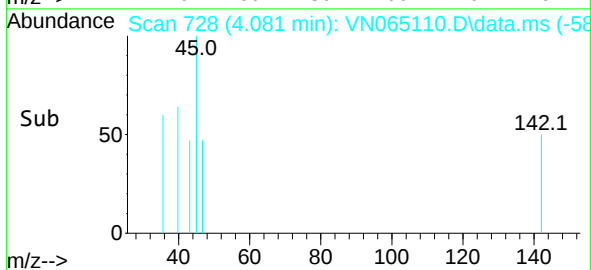
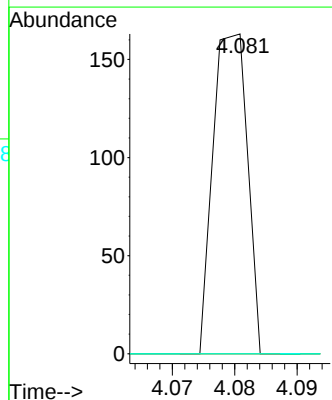
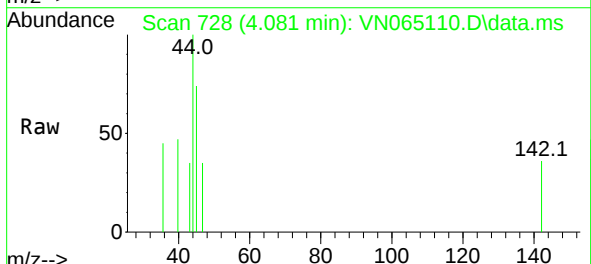
Instrument :
MSVOA_N
ClientSampled :
MW-3

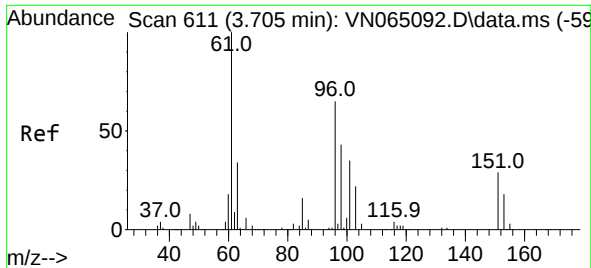
Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#10
Methyl Iodide
Concen: 3.96 ug/l
RT: 4.081 min Scan# 728
Delta R.T. 0.167 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.6#
141 0.0 11.8 17.6#

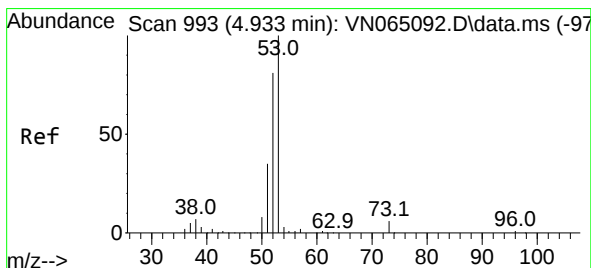
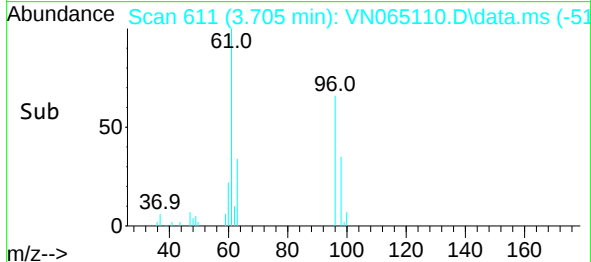
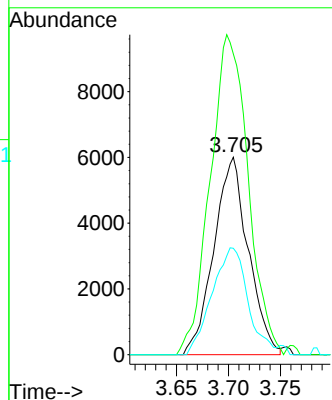
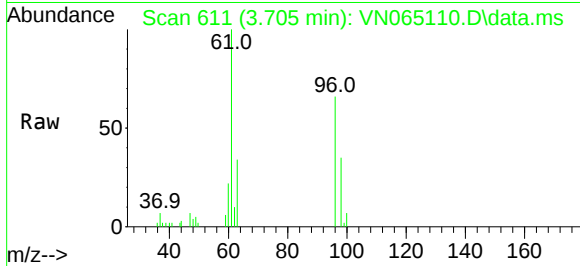




#12
1,1-Dichloroethene
Concen: 9.01 ug/l
RT: 3.705 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

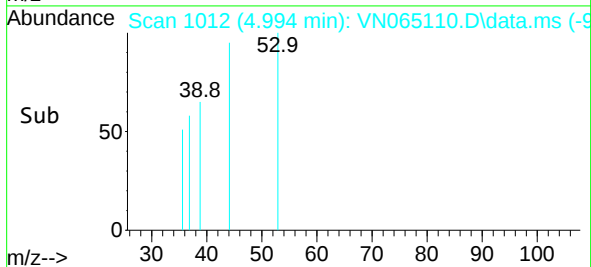
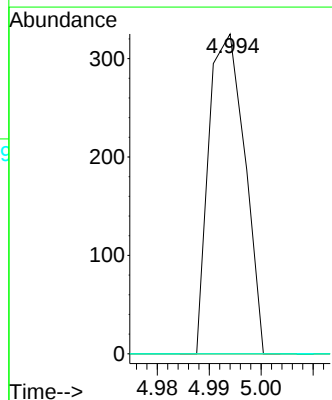
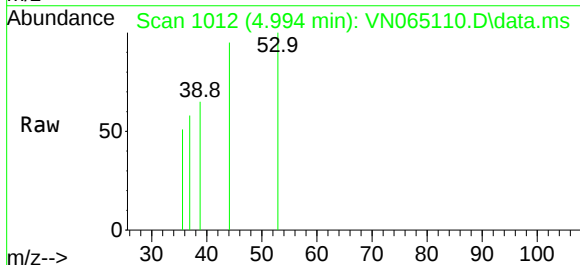
Instrument :
MSVOA_N
ClientSampled :
MW-3

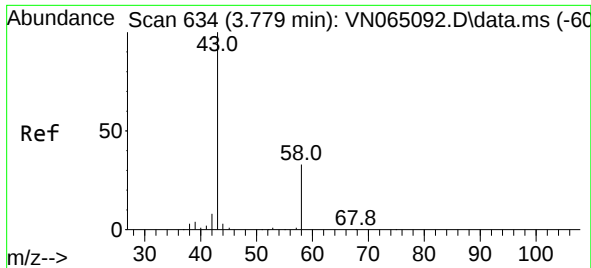
Tgt Ion:	96	Resp:	13838
Ion	Ratio	Lower	Upper
96	100		
61	149.6	123.4	185.2
98	53.9	49.8	74.8



#15
Acrylonitrile
Concen: 0.23 ug/l
RT: 4.994 min Scan# 1012
Delta R.T. 0.061 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion:	53	Resp:	156
Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.5	98.3#
51	0.0	28.6	43.0#

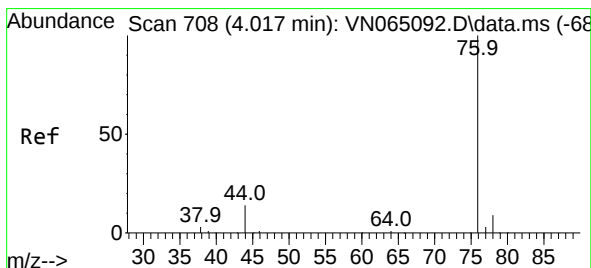
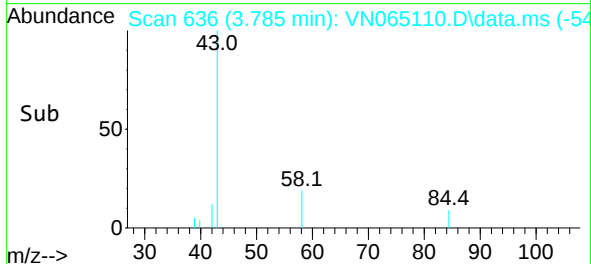
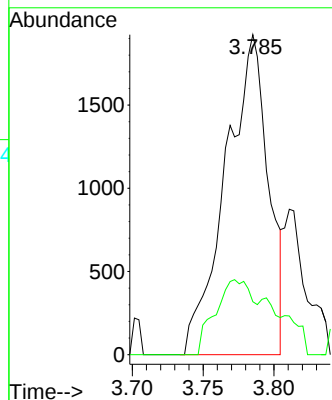
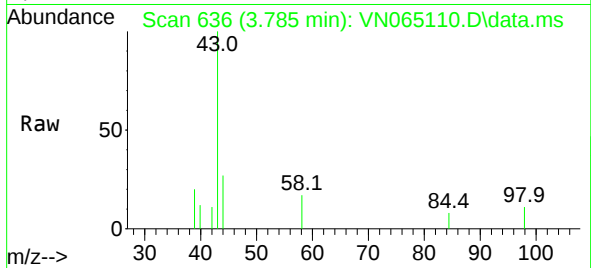




#16
Acetone
Concen: 5.64 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.006 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

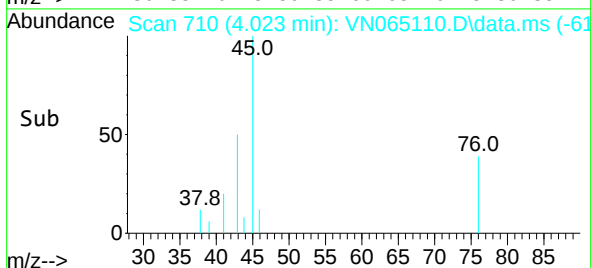
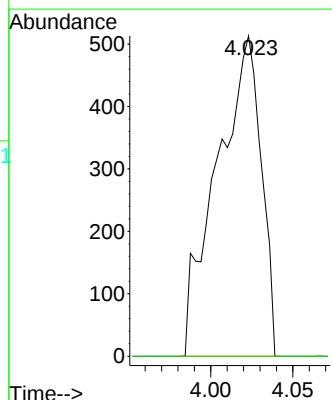
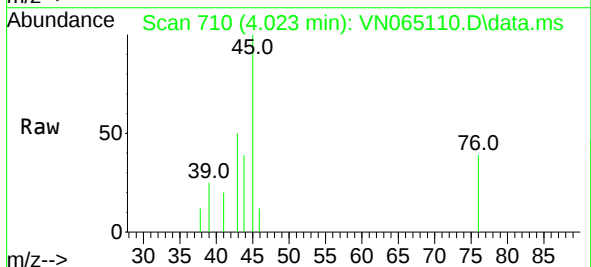
Instrument :
MSVOA_N
ClientSampled :
MW-3

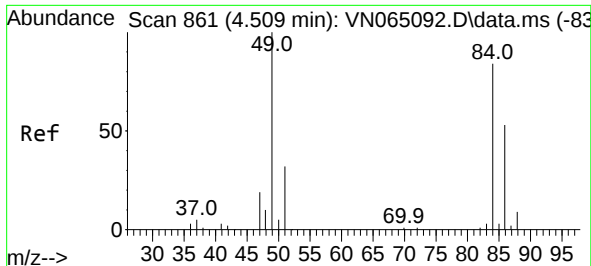
Tgt Ion: 43 Resp: 4028
Ion Ratio Lower Upper
43 100
58 16.5 25.7 38.5#



#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.023 min Scan# 710
Delta R.T. 0.006 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 76 Resp: 957
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



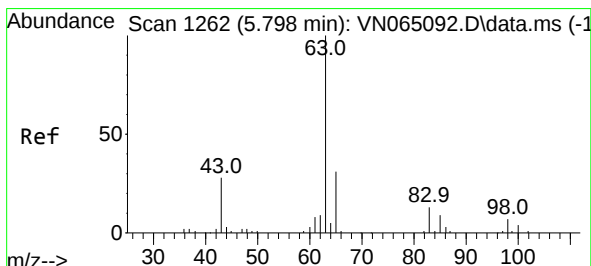
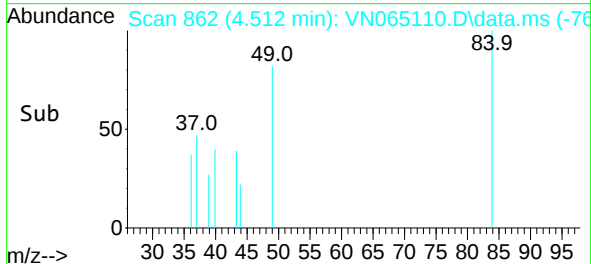
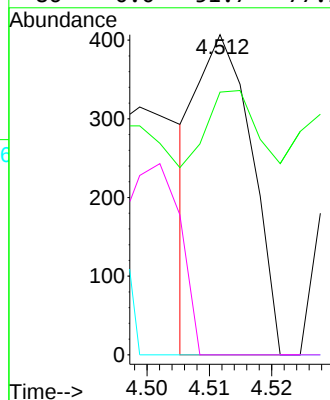
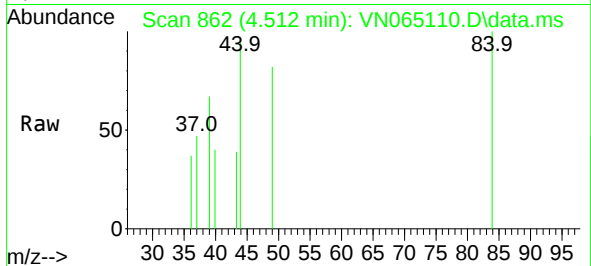


#20
Methylene Chloride
Concen: Below Cal
RT: 4.512 min Scan# 862
Delta R.T. 0.003 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tgt Ion: 84 Resp: 251

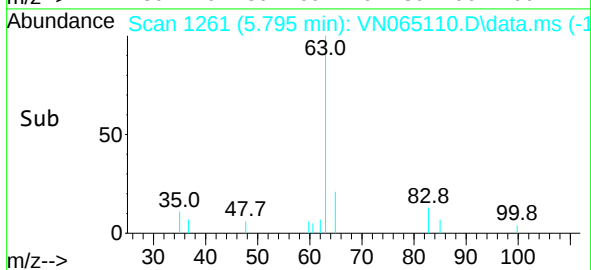
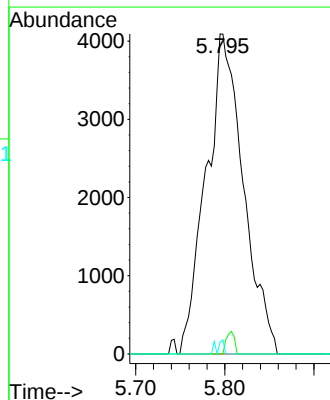
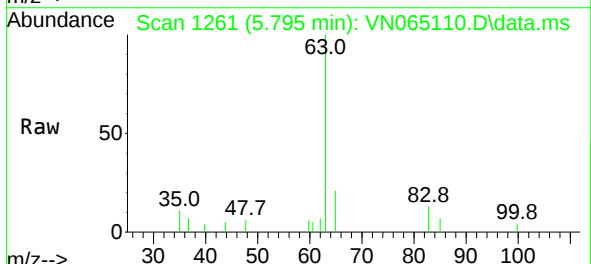
Ion	Ratio	Lower	Upper
84	100		
49	23.6	93.4	140.0#
51	0.0	28.2	42.4#
86	0.0	51.7	77.5#

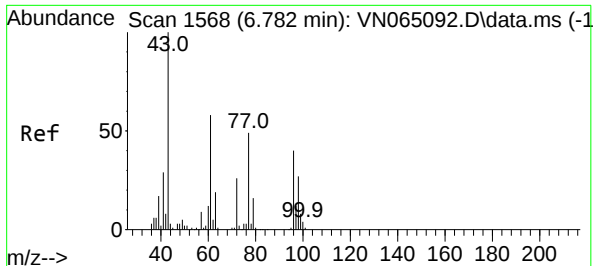


#24
1,1-Dichloroethane
Concen: 3.99 ug/l
RT: 5.795 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 63 Resp: 11897

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.5#
100	3.7	2.3	6.8

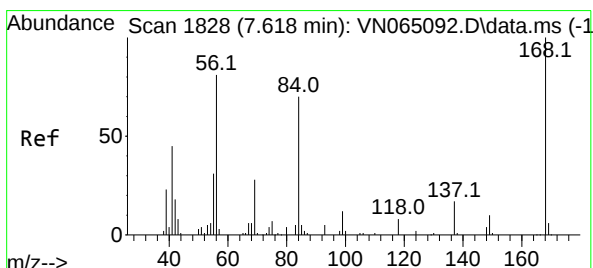
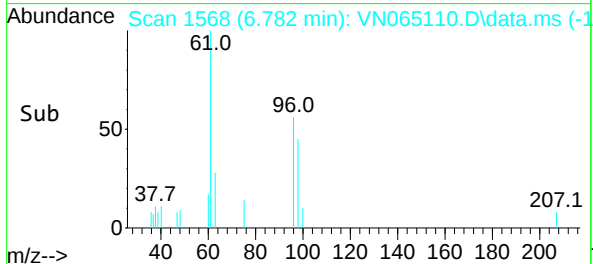
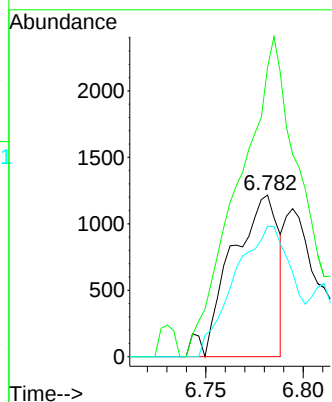
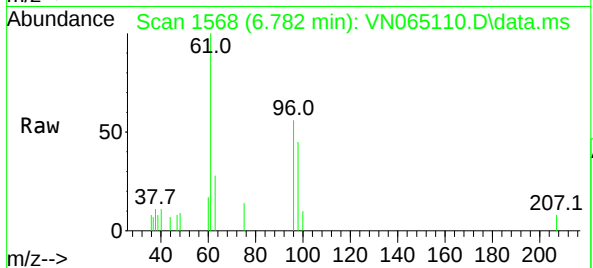




#27
cis-1,2-Dichloroethene
Concen: 1.12 ug/l
RT: 6.782 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

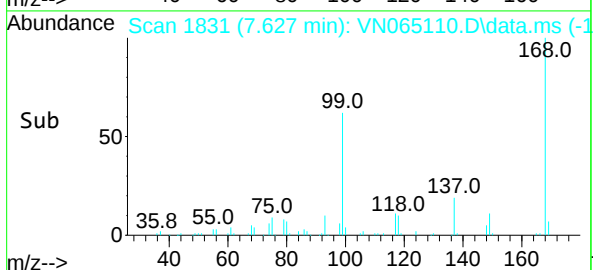
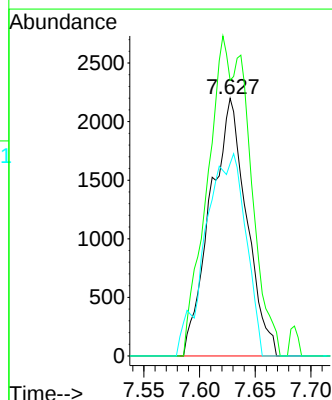
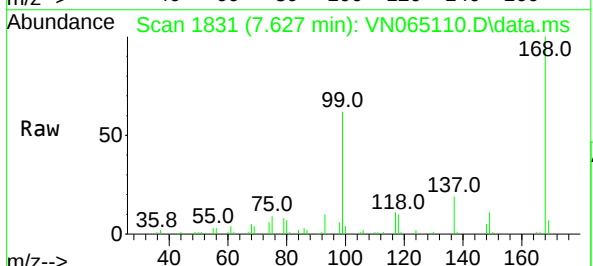
Instrument :
MSVOA_N
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MW-3

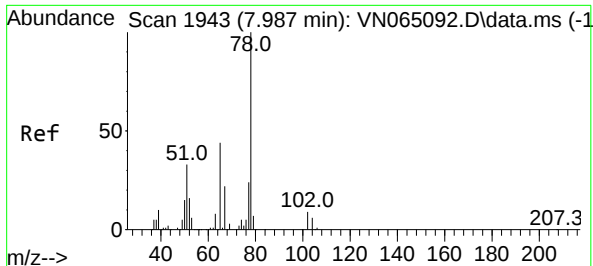
Tgt Ion:	96	Resp:	2030
Ion	Ratio	Lower	Upper
96	100		
61	285.7	0.0	285.8
98	99.9	0.0	130.6



#31
Cyclohexane
Concen: 1.91 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.009 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion:	56	Resp:	4983
Ion	Ratio	Lower	Upper
56	100		
69	107.1	27.5	41.3#
84	74.7	73.9	110.9

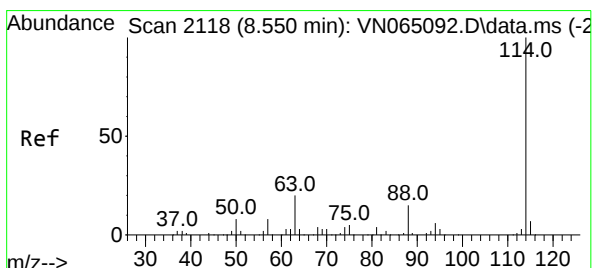
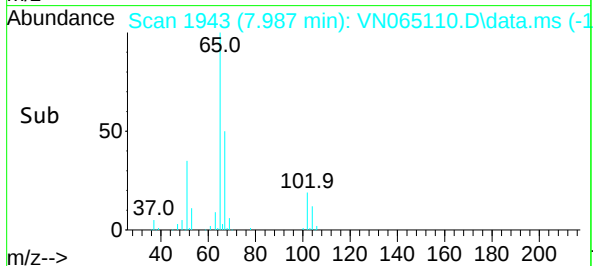
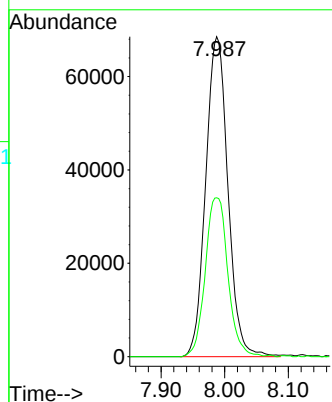
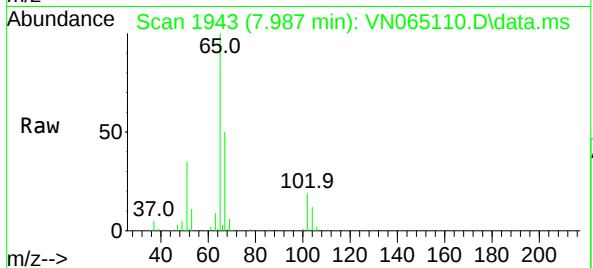




#33
1,2-Dichloroethane-d4
Concen: 86.66 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

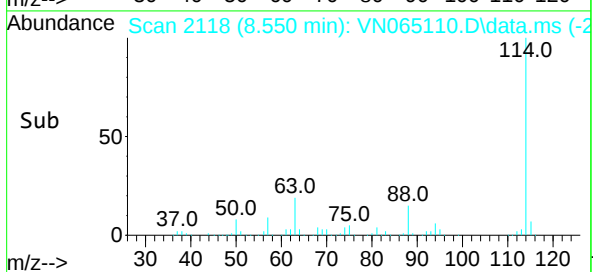
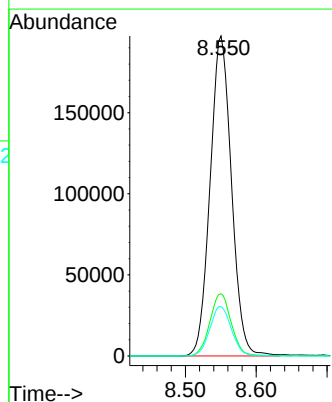
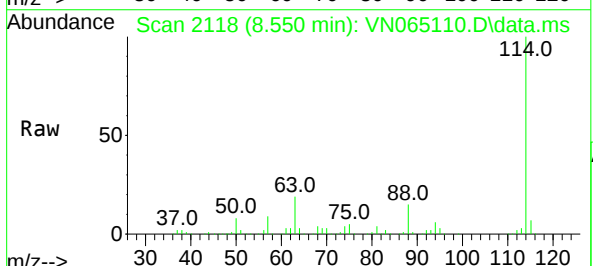
Instrument :
MSVOA_N
ClientSampled :
MW-3

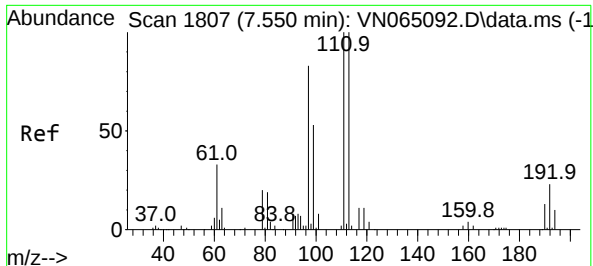
Tgt Ion: 65 Resp: 166250
Ion Ratio Lower Upper
65 100
67 50.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 114 Resp: 412277
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.6
88 15.4 0.0 32.6

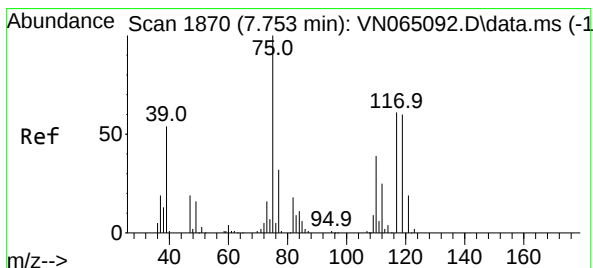
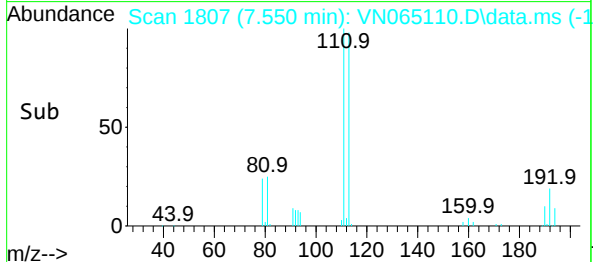
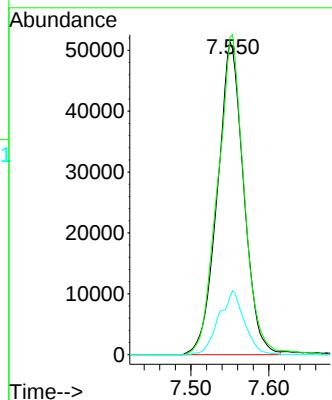
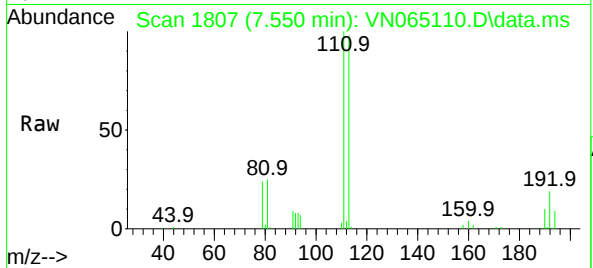




#35
Dibromofluoromethane
Concen: 42.02 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

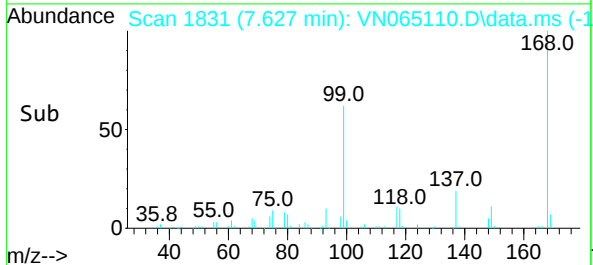
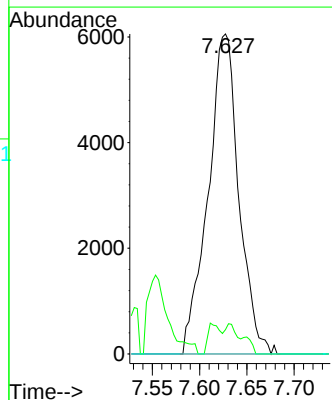
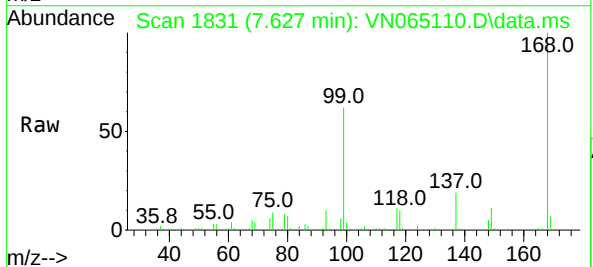
Instrument :
MSVOA_N
ClientSampled :
MW-3

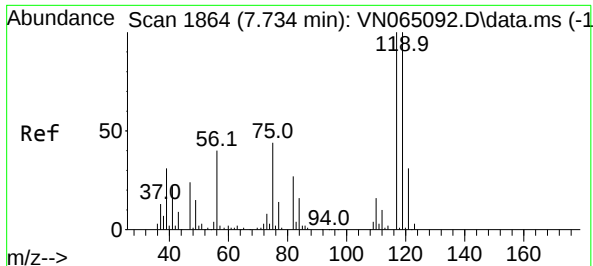
Tgt Ion:113 Resp: 120433
Ion Ratio Lower Upper
113 100
111 103.2 81.6 122.4
192 19.9 16.2 24.2



#36
1,1-Dichloropropene
Concen: 3.48 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

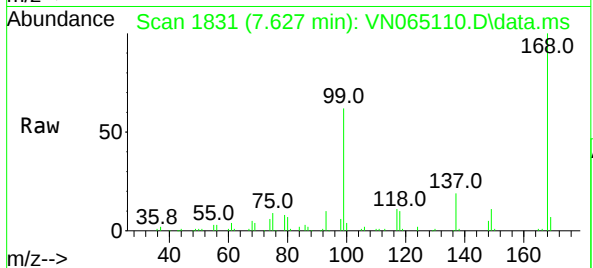
Tgt Ion: 75 Resp: 13716
Ion Ratio Lower Upper
75 100
110 1.4 17.8 53.3#
77 0.0 25.0 37.4#



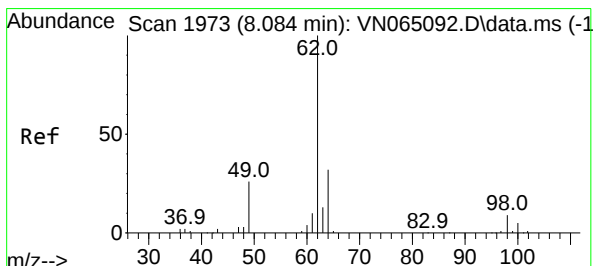
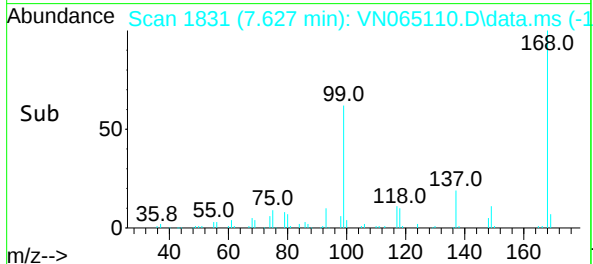
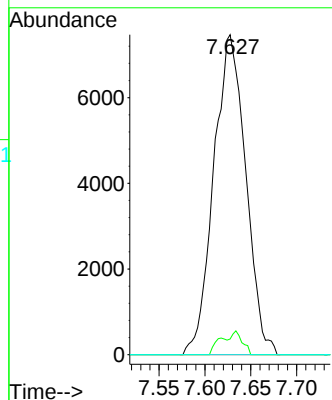


#38
Carbon Tetrachloride
Concen: 4.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Instrument :
MSVOA_N
ClientSampled :
MW-3

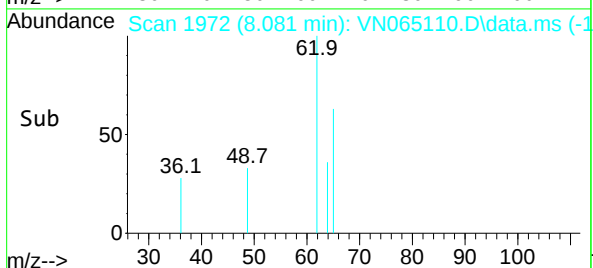
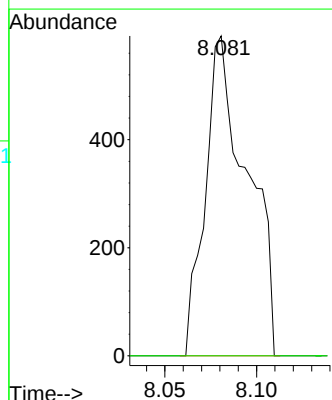
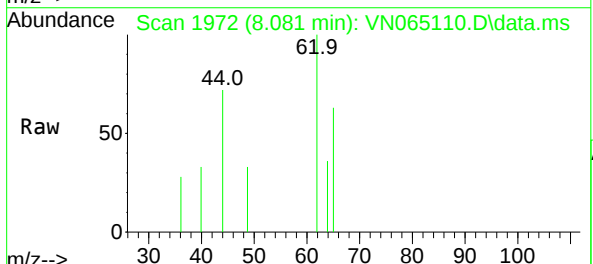


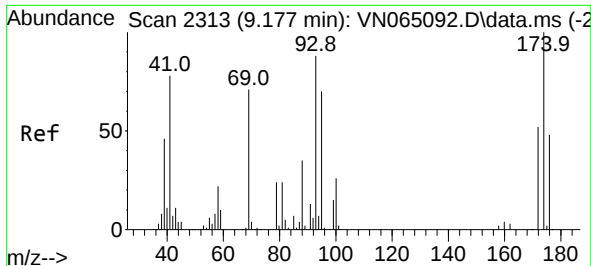
Tgt Ion:117 Resp: 18161
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.4 38.2#



#42
1,2-Dichloroethane
Concen: 0.23 ug/l
RT: 8.081 min Scan# 1972
Delta R.T. -0.003 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 62 Resp: 941
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

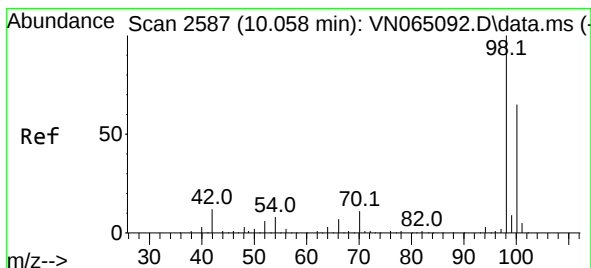
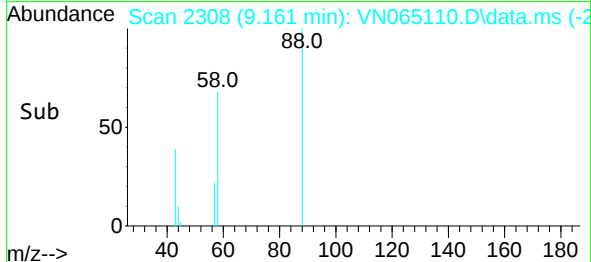
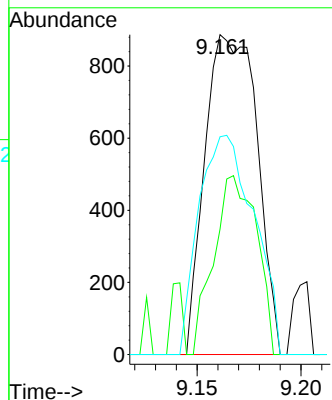
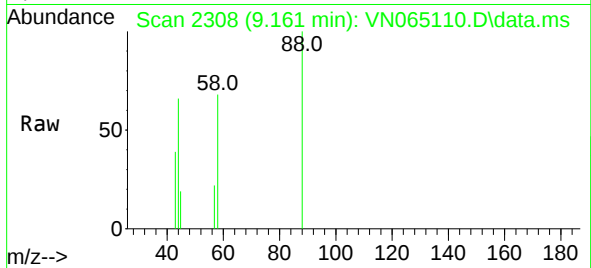




#49
1,4-Dioxane
Concen: 39.11 ug/l
RT: 9.161 min Scan# 2308
Delta R.T. -0.016 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

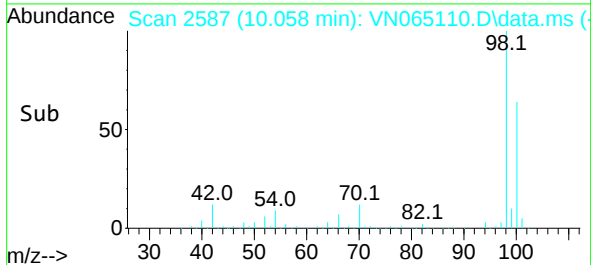
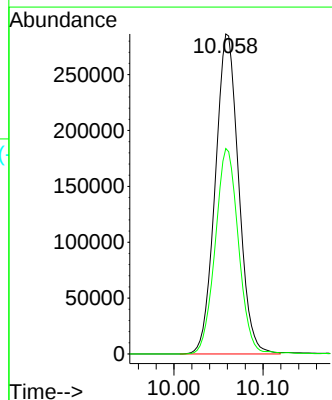
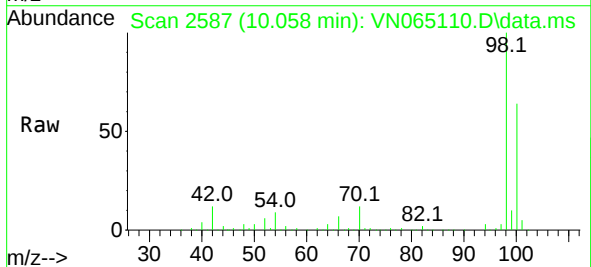
Instrument :
MSVOA_N
ClientSampleId :
MW-3

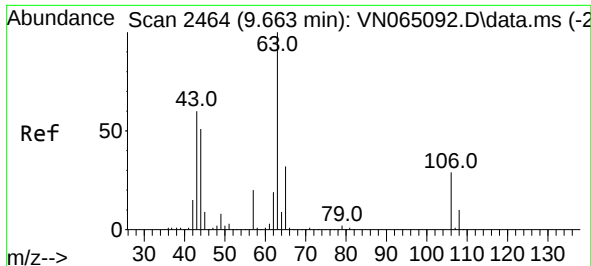
Tgt Ion: 88 Resp: 1546
Ion Ratio Lower Upper
88 100
43 46.1 24.2 36.4#
58 72.6 52.5 78.7



#50
Toluene-d8
Concen: 51.54 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 98 Resp: 522293
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

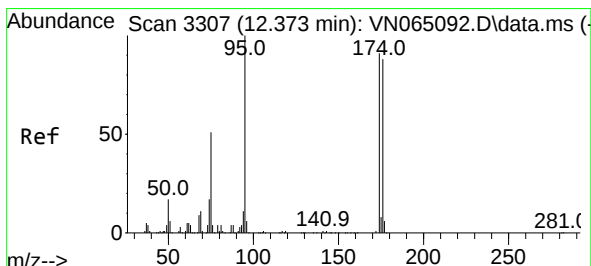
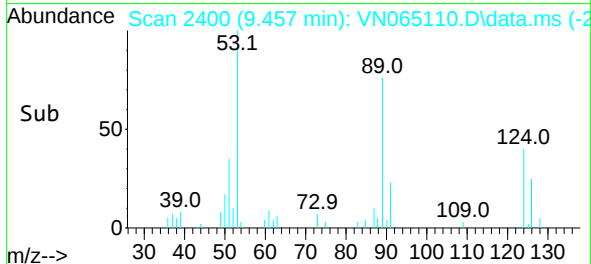
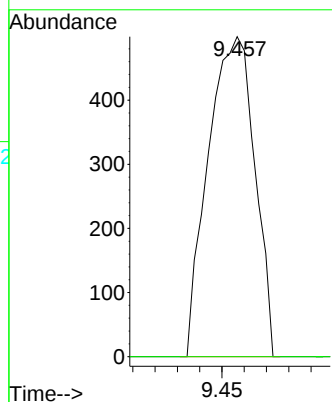
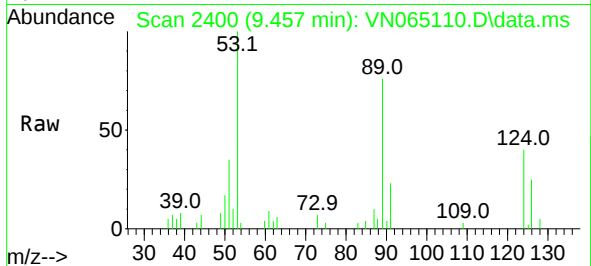




#58
2-Chloroethyl Vinyl ether
Concen: 0.39 ug/l
RT: 9.457 min Scan# 2400
Delta R.T. -0.206 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

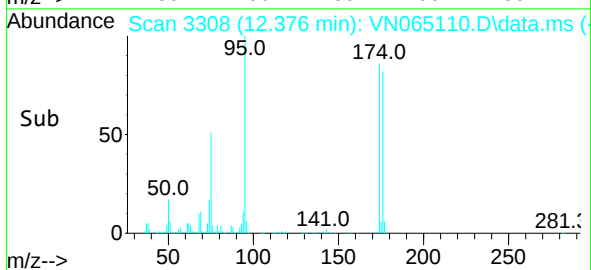
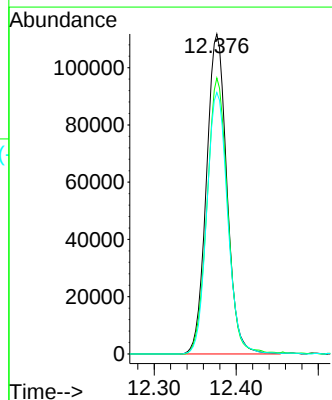
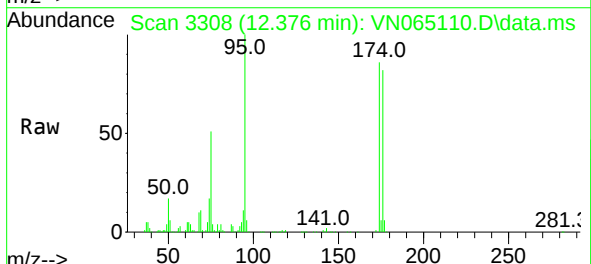
Instrument :
MSVOA_N
ClientSampled :
MW-3

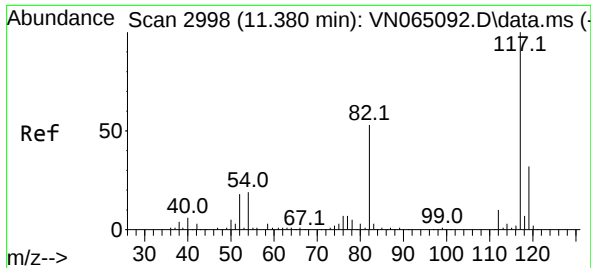
Tgt Ion: 63 Resp: 724
Ion Ratio Lower Upper
63 100
106 0.0 22.7 34.1#



#62
4-Bromofluorobenzene
Concen: 55.27 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 95 Resp: 192874
Ion Ratio Lower Upper
95 100
174 87.0 0.0 160.4
176 83.4 0.0 158.4

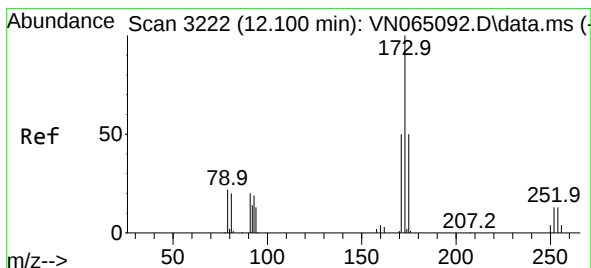
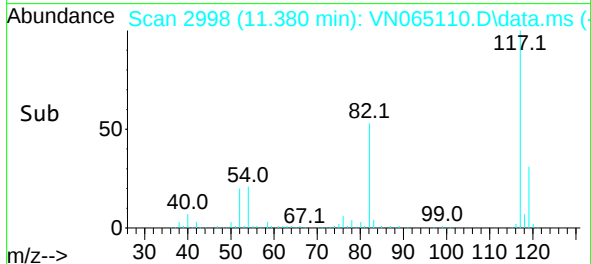
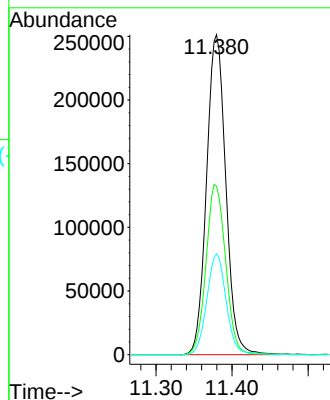
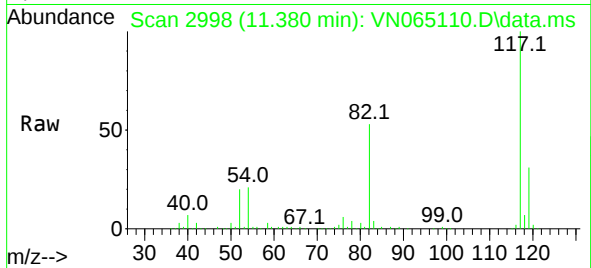




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

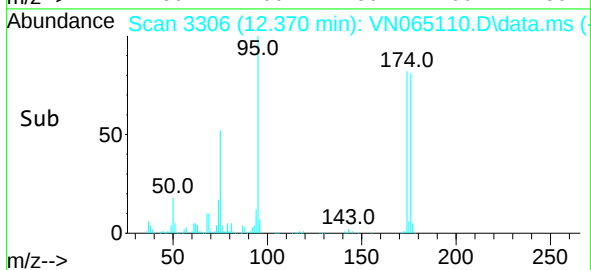
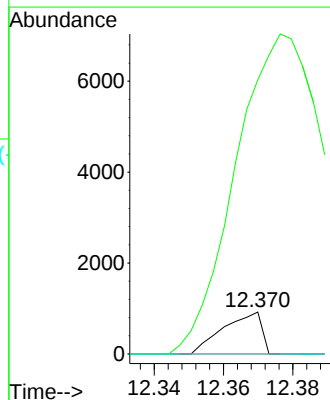
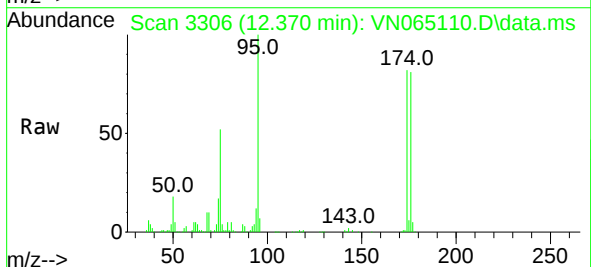
Instrument :
MSVOA_N
ClientSampled :
MW-3

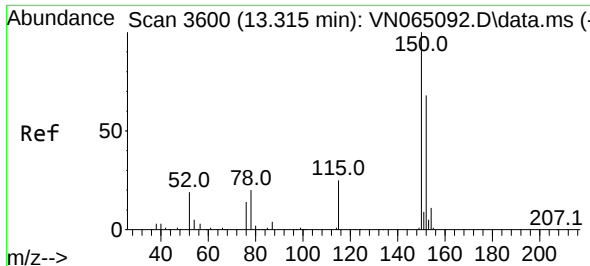
Tgt Ion:117 Resp: 441936
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 31.5 25.8 38.6



#71
Bromoform
Concen: 0.25 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.270 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion:173 Resp: 711
Ion Ratio Lower Upper
173 100
175 1477.1 24.3 72.8#
254 0.0 0.0 0.0

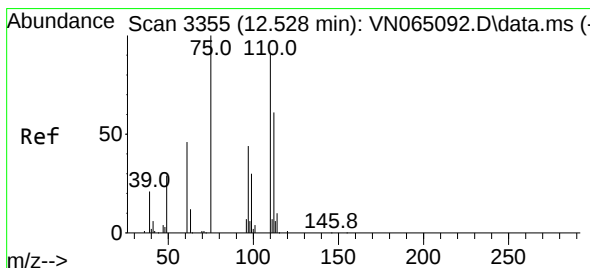
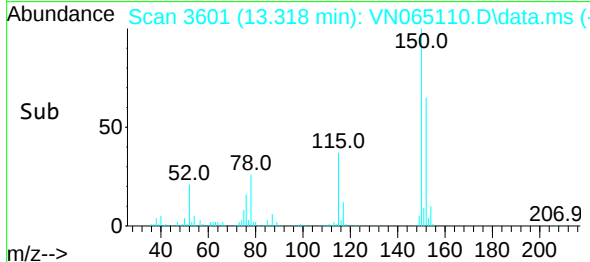
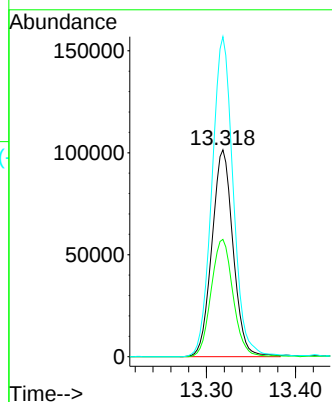
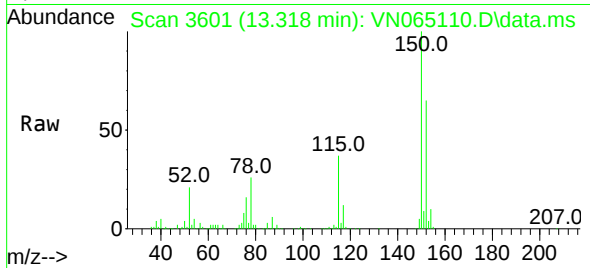




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

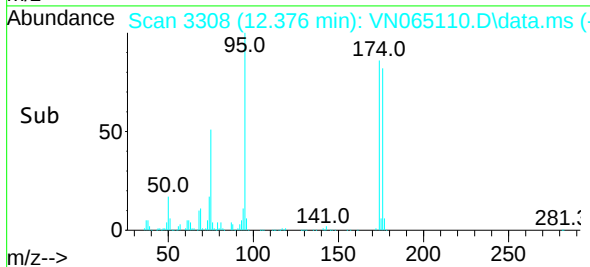
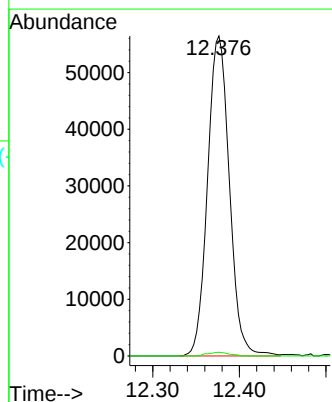
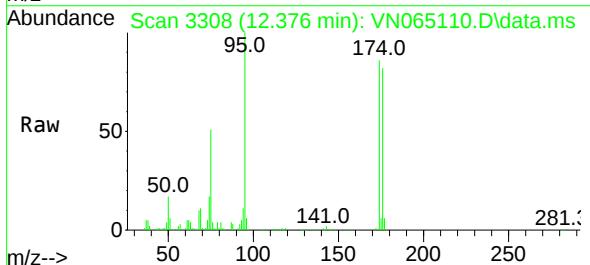
Instrument :
MSVOA_N
ClientSampled :
MW-3

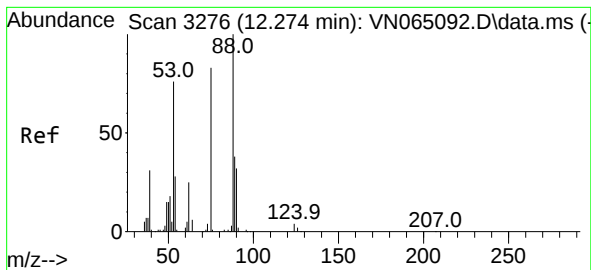
Tgt Ion:152 Resp: 167789
Ion Ratio Lower Upper
152 100
115 58.4 29.7 89.1
150 155.8 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 32.83 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065110.D
Acq: 14 Dec 2020 19:04

Tgt Ion: 75 Resp: 98852
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.36 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.102 min
 Lab File: VN065110.D
 Acq: 14 Dec 2020 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tgt Ion: 75 Resp: 98852
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.0 100.4#
 89 0.0 39.6 59.4#

