

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069818.D
 Acq On : 7 Dec 2021 16:41
 Operator : JC/MD
 Sample : M4956-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D-20211204

Quant Time: Dec 08 04:37:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

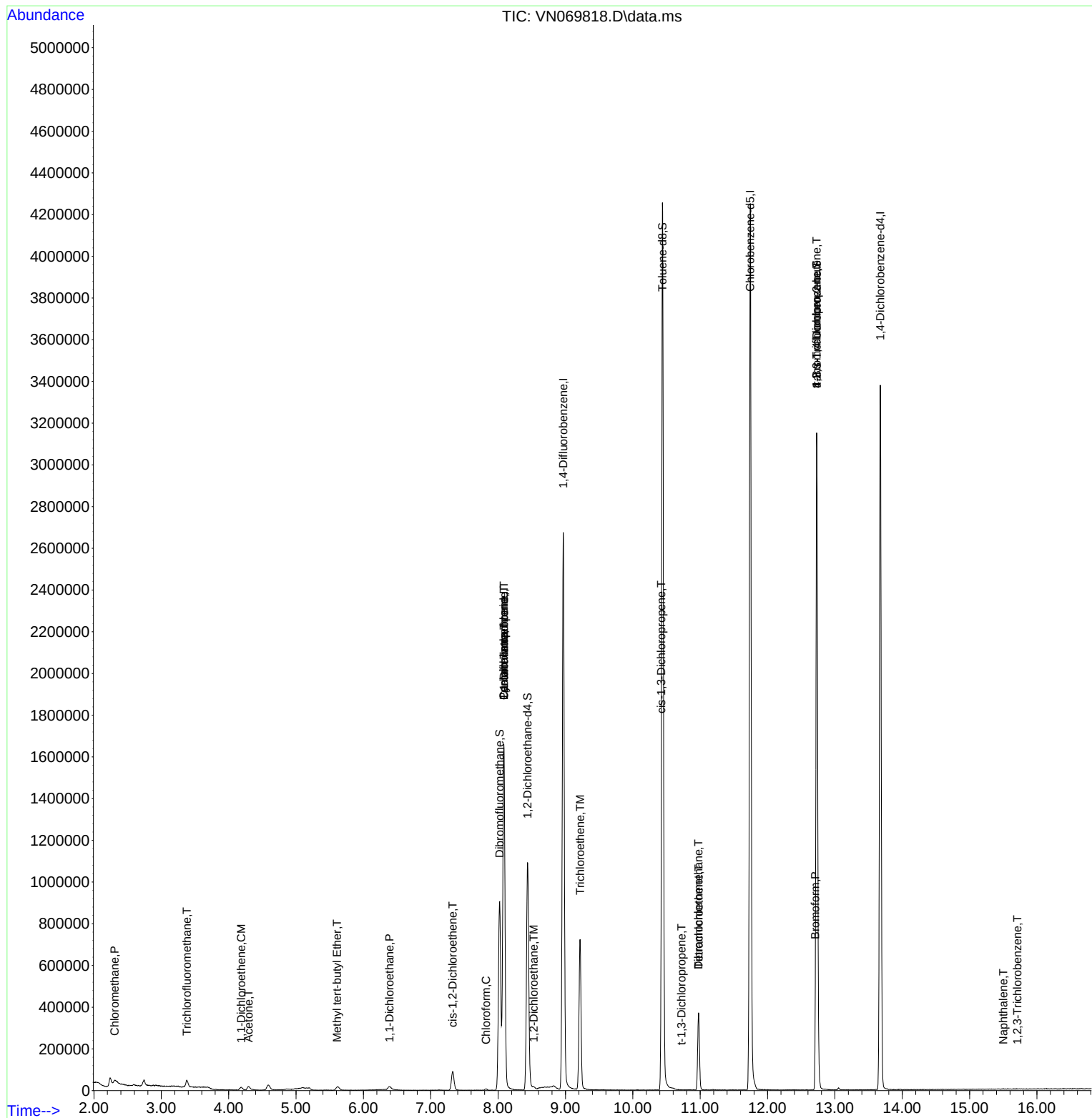
Internal Standards						
1) Pentafluorobenzene	8.085	168	1235401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2235472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2373022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	901175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	946565	49.62	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.24%		
35) Dibromofluoromethane	8.021	113	661396	47.23	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.46%		
50) Toluene-d8	10.440	98	2880228	51.23	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.46%		
62) 4-Bromofluorobenzene	12.731	95	1102230	54.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.22%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3712	0.21	ug/l	94
7) Trichlorofluoromethane	3.381	101	32446	1.49	ug/l	92
12) 1,1-Dichloroethene	4.186	96	6630	0.56	ug/l	83
16) Acetone	4.296	43	29191	2.54	ug/l #	86
19) Methyl tert-butyl Ether	5.610	73	9733	0.21	ug/l	100
24) 1,1-Dichloroethane	6.388	63	22173	0.83	ug/l	97
27) cis-1,2-Dichloroethene	7.326	96	52005	3.37	ug/l	96
30) Chloroform	7.820	83	5960	0.22	ug/l	99
31) Cyclohexane	8.085	56	32572	1.23	ug/l #	30
36) 1,1-Dichloropropene	8.085	75	107121	5.03	ug/l #	49
38) Carbon Tetrachloride	8.085	117	127053	6.09	ug/l #	17
42) 1,2-Dichloroethane	8.528	62	6783	0.26	ug/l	88
44) Trichloroethene	9.217	130	251499	16.20	ug/l	90
53) t-1,3-Dichloropropene	10.724	75	84	2.80	ug/l #	38
54) cis-1,3-Dichloropropene	10.424	75	49	2.00	ug/l #	1
60) Dibromochloromethane	10.974	129	78607	6.74	ug/l #	11
64) Tetrachloroethene	10.977	164	82018	5.10	ug/l	91
71) Bromoform	12.709	173	176	2.74	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	620966	24.03	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	620966	76.31	ug/l #	5
95) Naphthalene	15.501	128	993	4.01	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	269	2.45	ug/l #	12

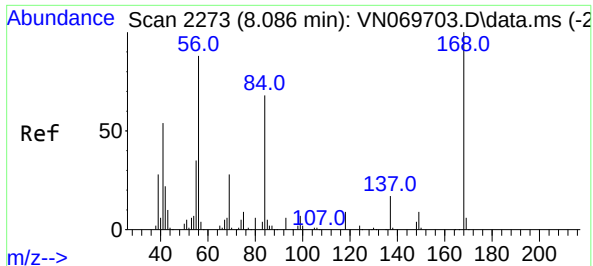
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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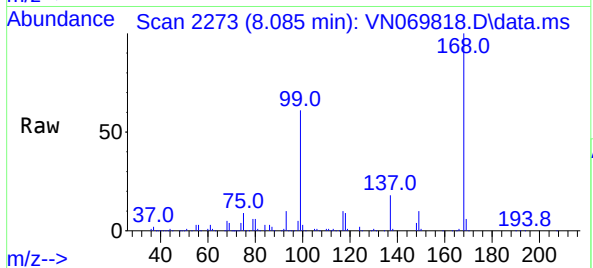
Quant Time: Dec 08 04:37:04 2021
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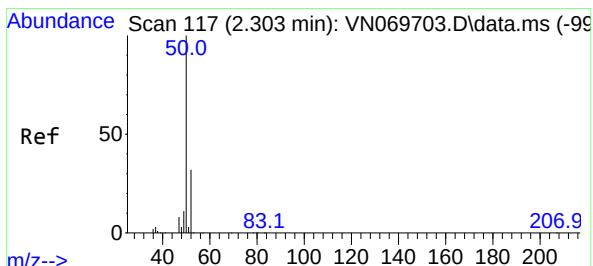
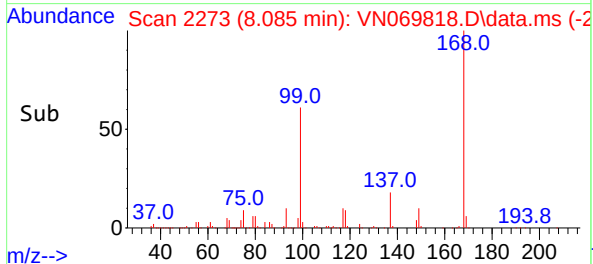
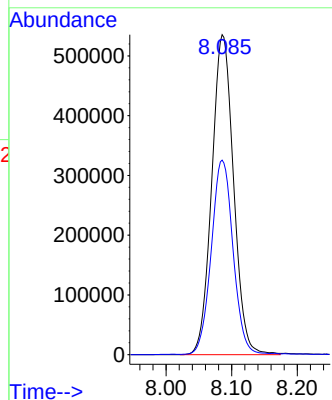


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Instrument :
MSVOA_N
ClientSampleId :
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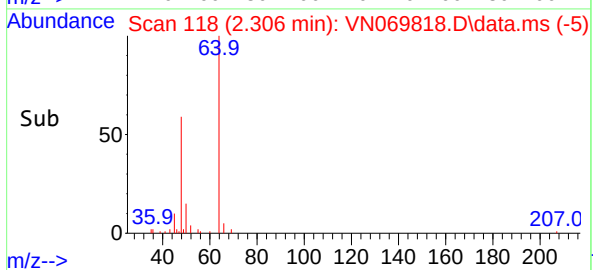
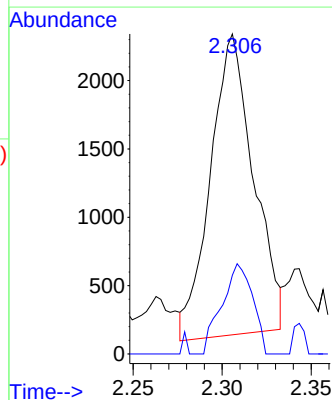
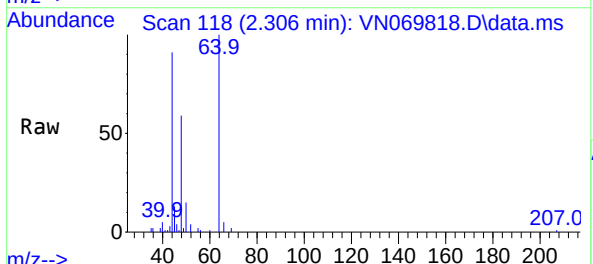


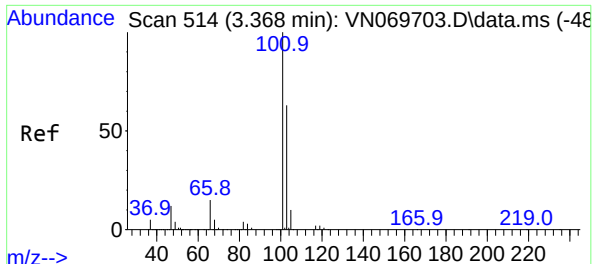
Tgt Ion:168 Resp: 1235401
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 50 Resp: 3712
Ion Ratio Lower Upper
50 100
52 28.3 25.4 38.0

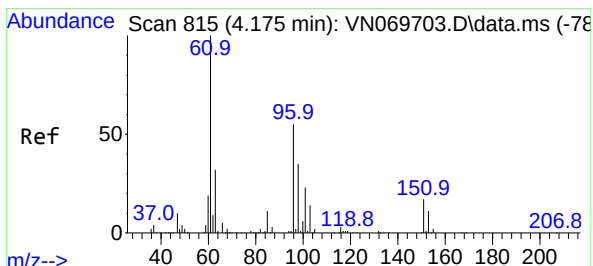
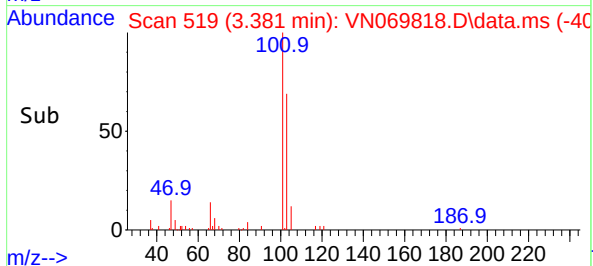
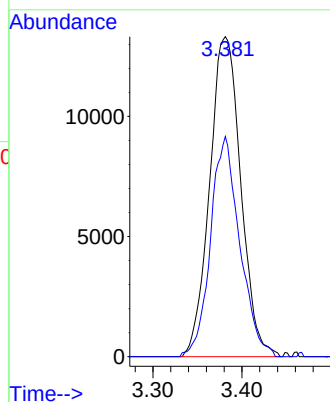
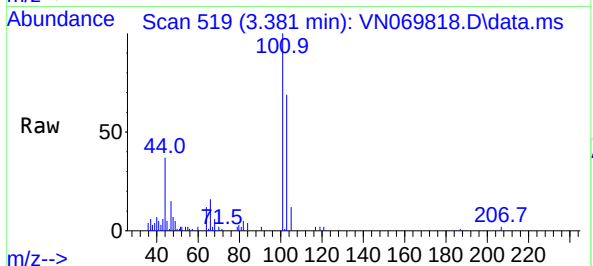




#7
Trichlorofluoromethane
Concen: 1.49 ug/l
RT: 3.381 min Scan# 514
Delta R.T. 0.013 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

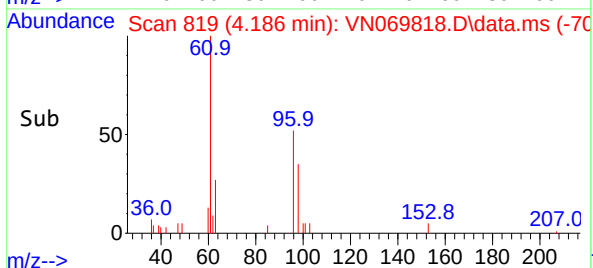
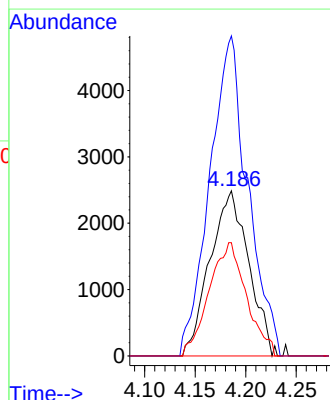
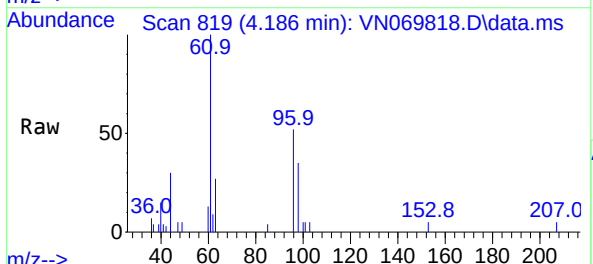
Instrument :
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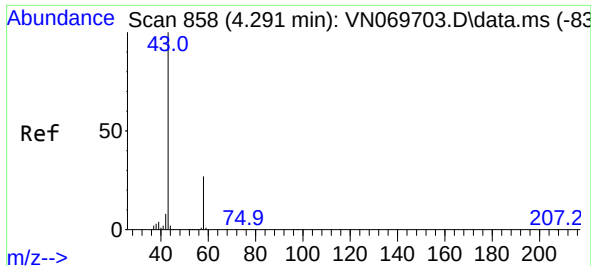
Tgt Ion:101 Resp: 32446
Ion Ratio Lower Upper
101 100
103 68.8 50.1 75.1



#12
1,1-Dichloroethene
Concen: 0.56 ug/l
RT: 4.186 min Scan# 819
Delta R.T. 0.011 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 96 Resp: 6630
Ion Ratio Lower Upper
96 100
61 193.7 131.0 196.6
98 68.5 52.4 78.6

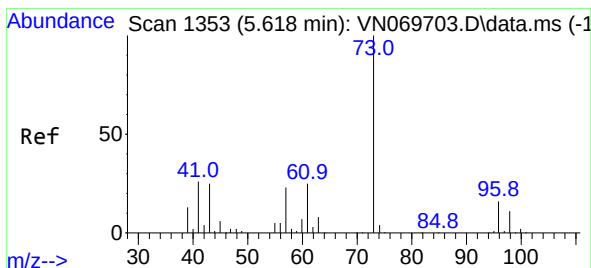
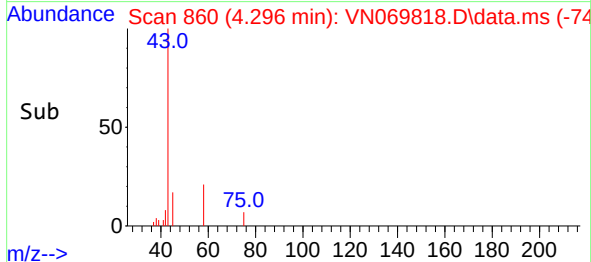
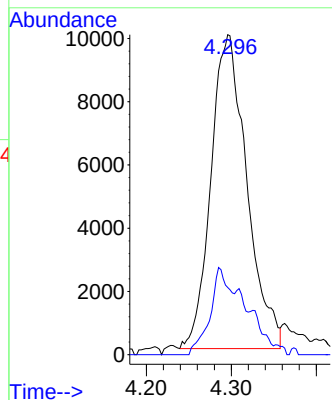
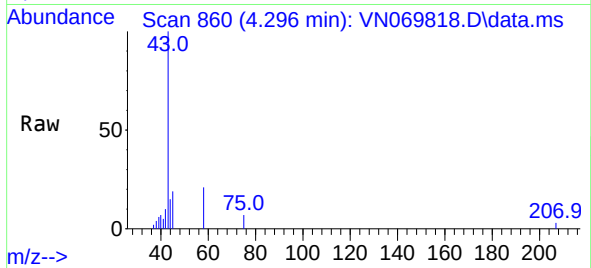




#16
Acetone
Concen: 2.54 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

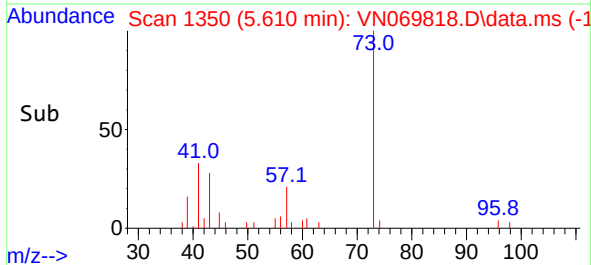
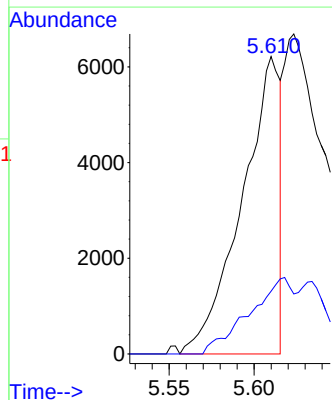
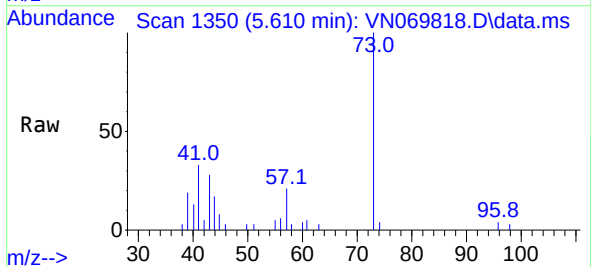
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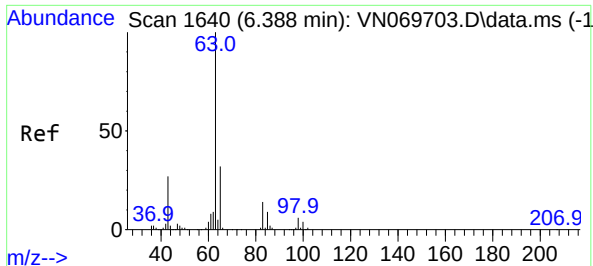
Tgt Ion: 43 Resp: 29191
Ion Ratio Lower Upper
43 100
58 21.4 23.1 34.7#



#19
Methyl tert-butyl Ether
Concen: 0.21 ug/l
RT: 5.610 min Scan# 1350
Delta R.T. -0.008 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 73 Resp: 9733
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2

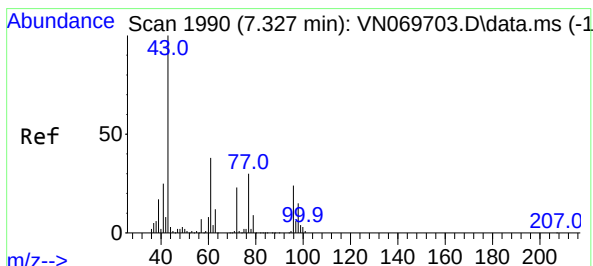
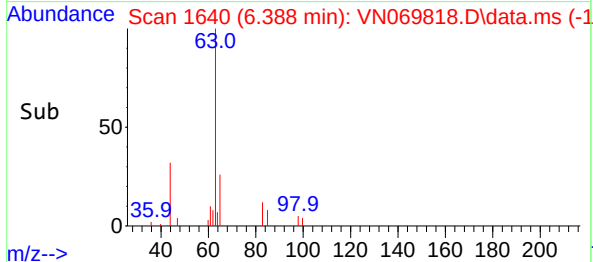
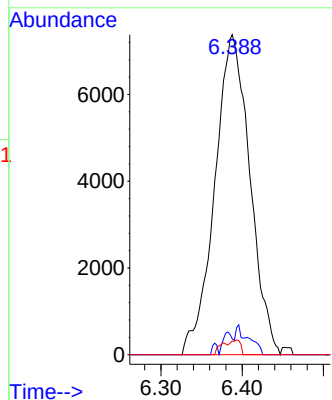
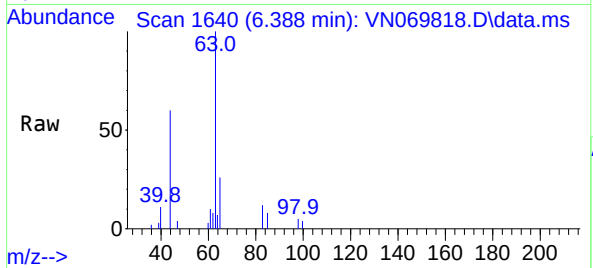




#24
1,1-Dichloroethane
Concen: 0.83 ug/l
RT: 6.388 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

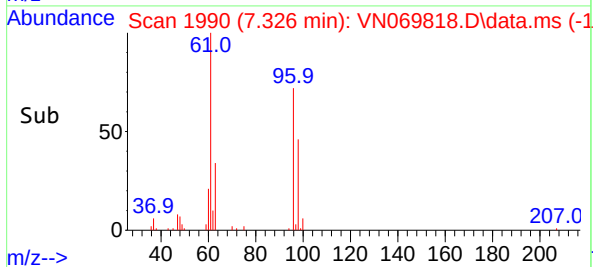
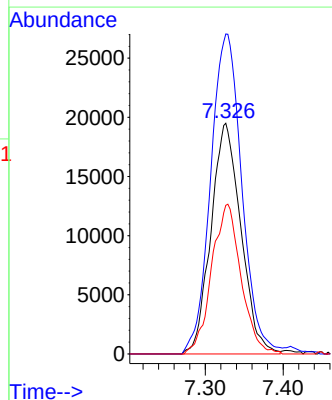
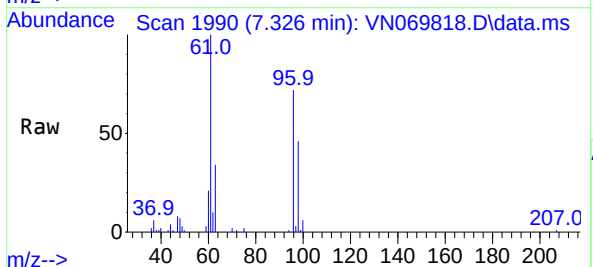
Instrument :
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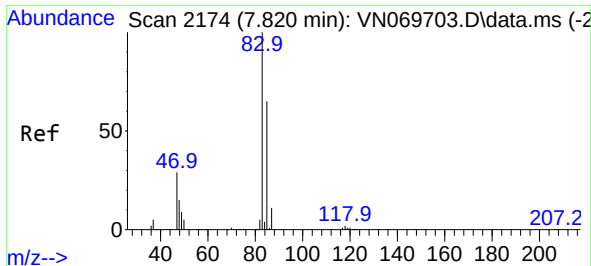
Tgt Ion:	63	Resp:	22173
Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.3	9.9
100	4.3	2.1	6.5



#27
cis-1,2-Dichloroethene
Concen: 3.37 ug/l
RT: 7.326 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion:	96	Resp:	52005
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	275.0
98	63.7	0.0	129.6

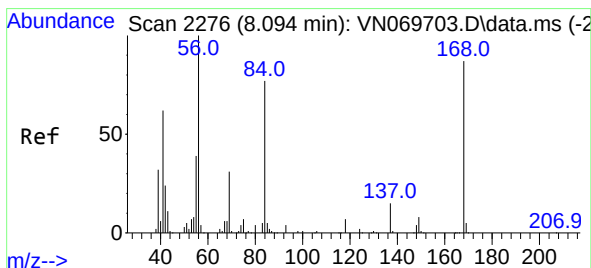
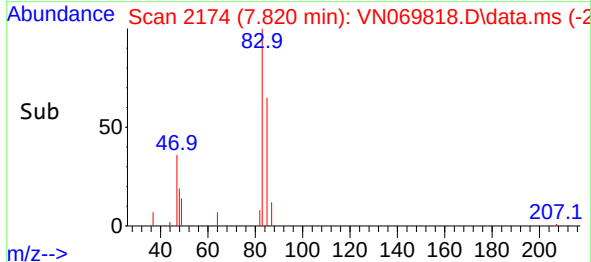
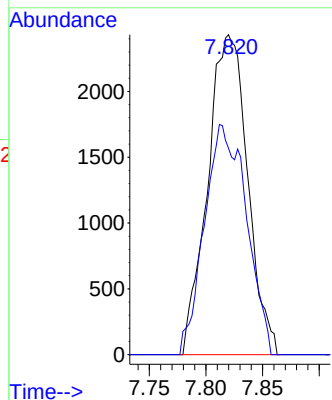
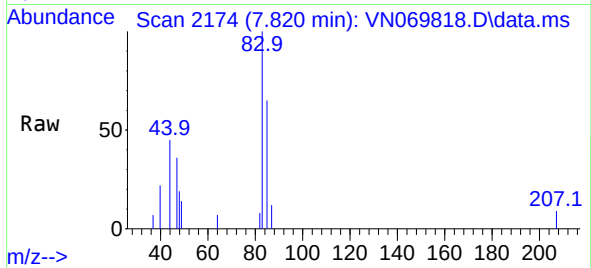




#30
Chloroform
Concen: 0.22 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

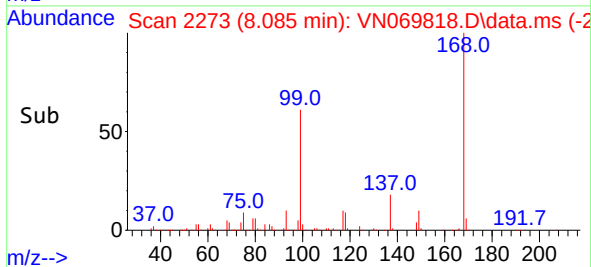
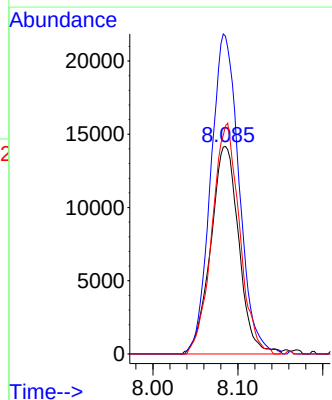
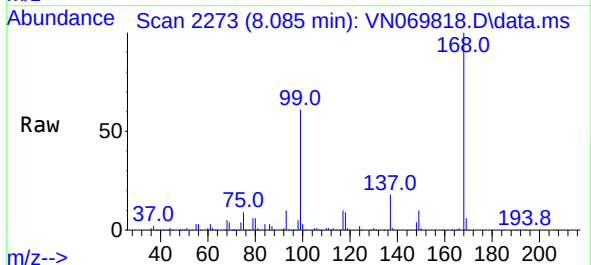
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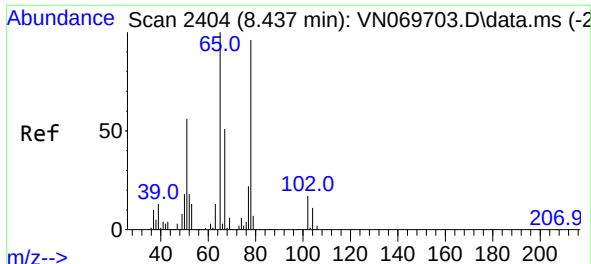
Tgt Ion: 83 Resp: 5960
Ion Ratio Lower Upper
83 100
85 64.5 51.9 77.9



#31
Cyclohexane
Concen: 1.23 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 56 Resp: 32572
Ion Ratio Lower Upper
56 100
69 153.2 27.1 40.7#
84 110.0 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.62 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069818.D

Acq: 7 Dec 2021 16:41

Instrument :

MSVOA_N

ClientSampleId :

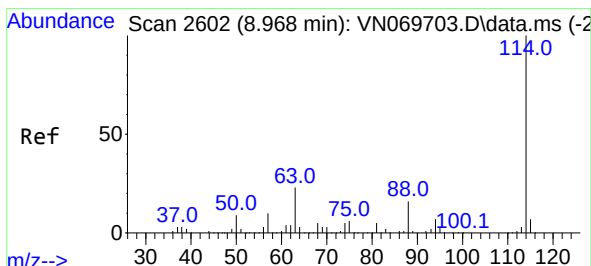
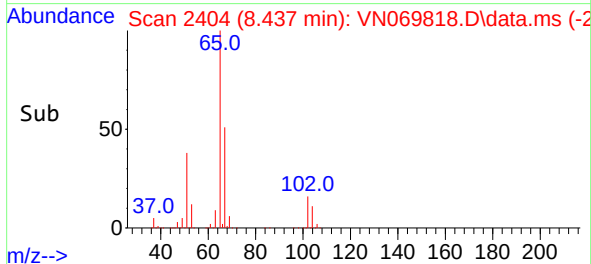
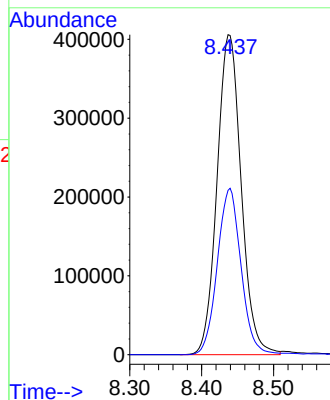
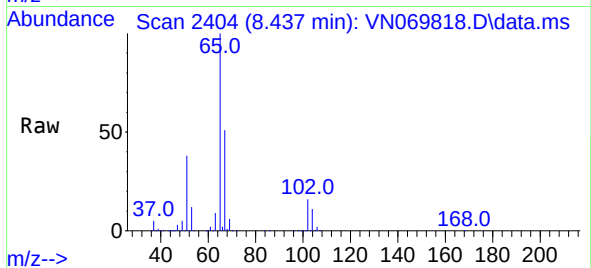
MW202D-20211204

Tgt Ion: 65 Resp: 946565

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069818.D

Acq: 7 Dec 2021 16:41

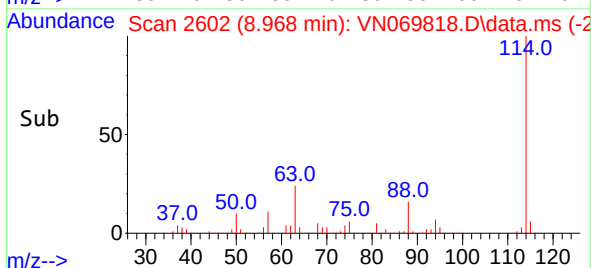
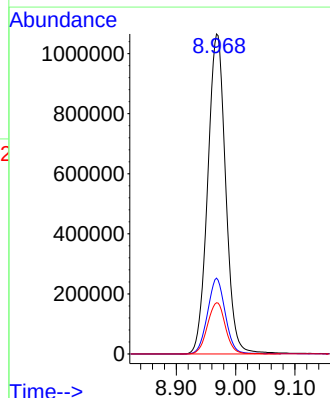
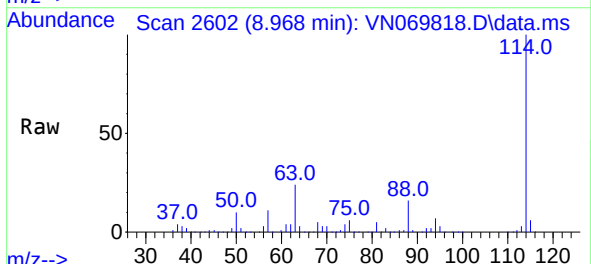
Tgt Ion: 114 Resp: 2235472

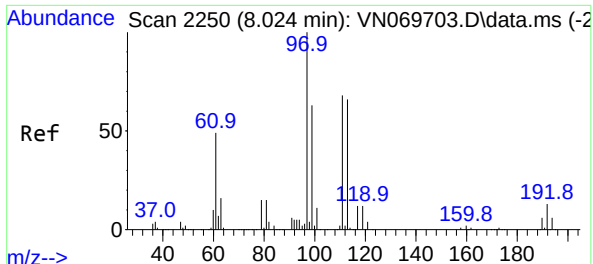
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.0 0.0 27.4

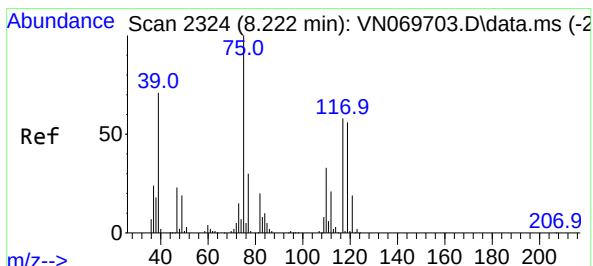
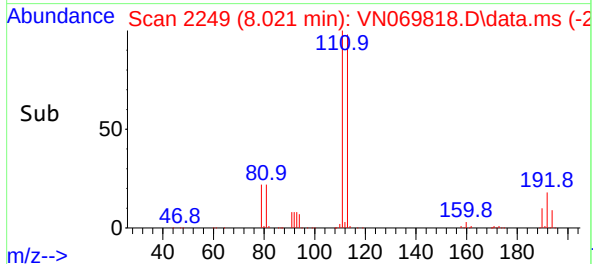
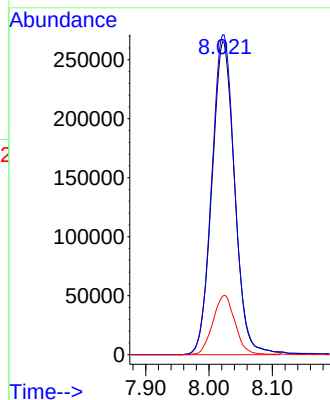
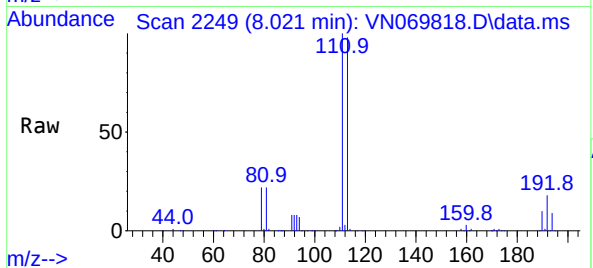




#35
Dibromofluoromethane
Concen: 47.23 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

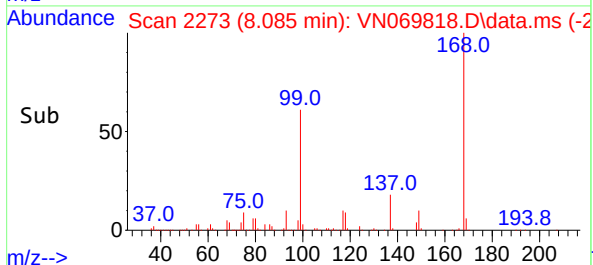
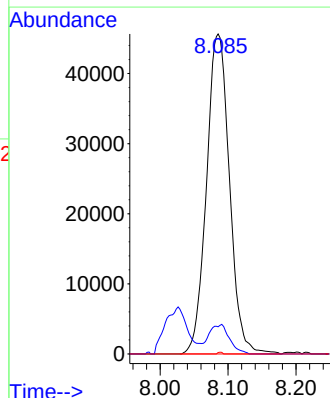
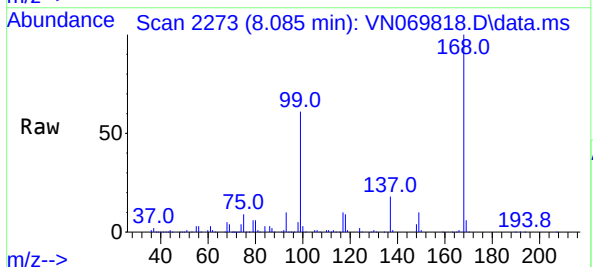
Instrument :
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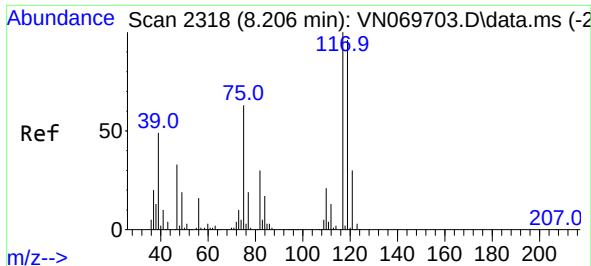
Tgt Ion:113 Resp: 661396
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.03 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

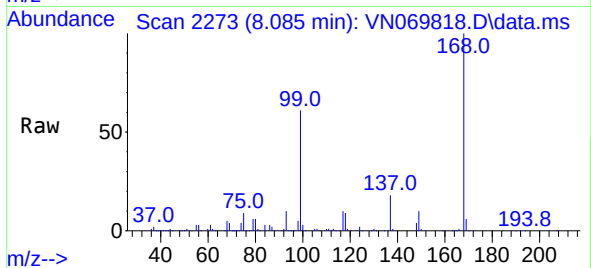
Tgt Ion: 75 Resp: 107121
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.1 24.4 36.6#



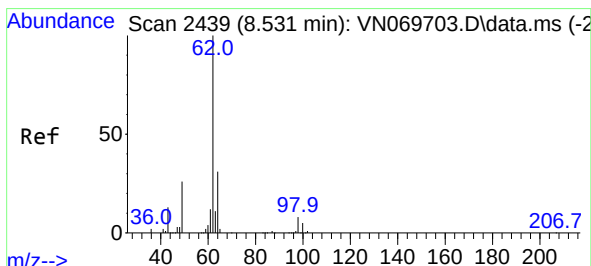
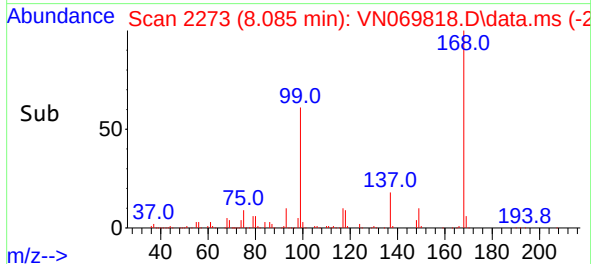
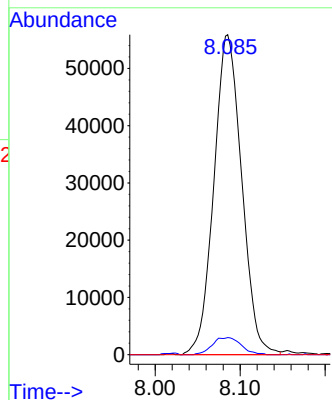


#38
Carbon Tetrachloride
Concen: 6.09 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

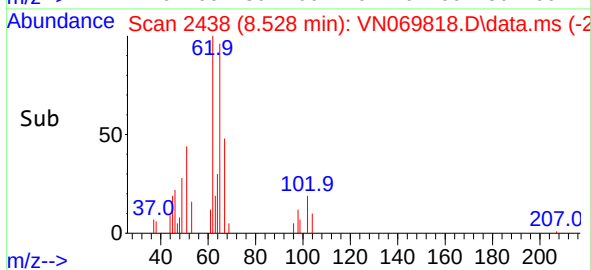
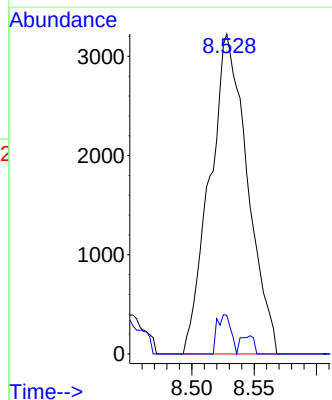
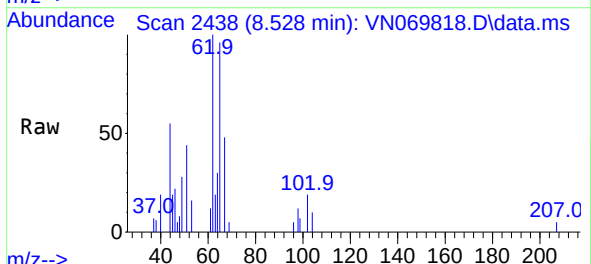


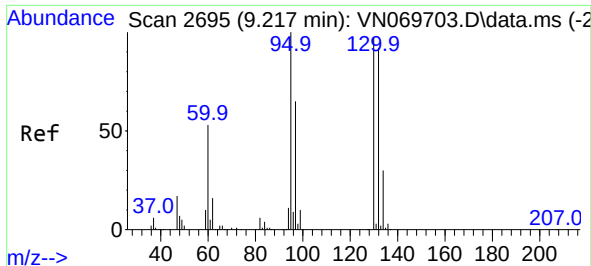
Tgt Ion:117 Resp: 127053
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.26 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 62 Resp: 6783
Ion Ratio Lower Upper
62 100
98 4.4 0.0 17.6

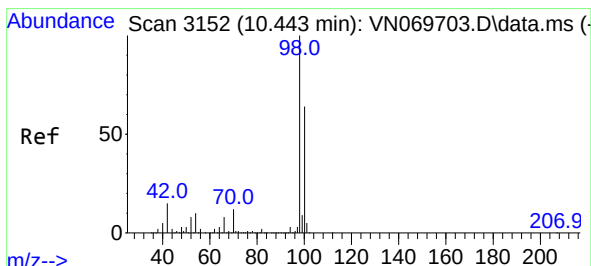
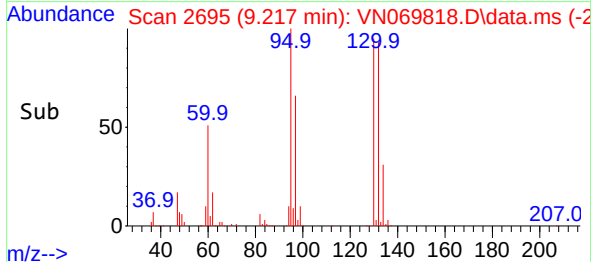
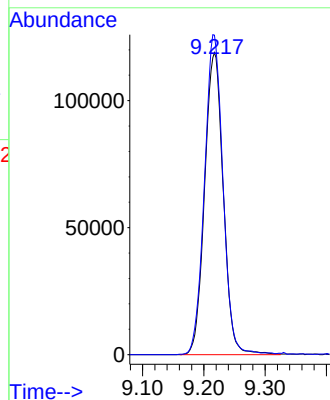
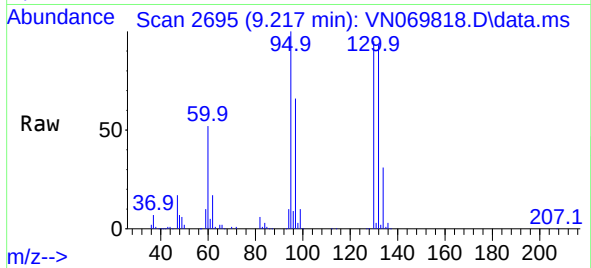




#44
Trichloroethene
Concen: 16.20 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

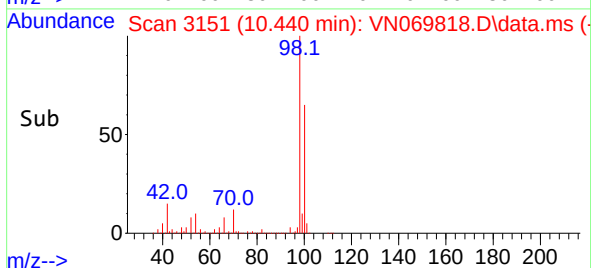
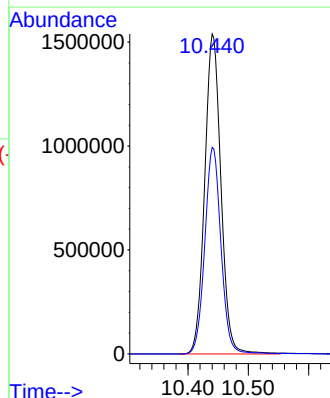
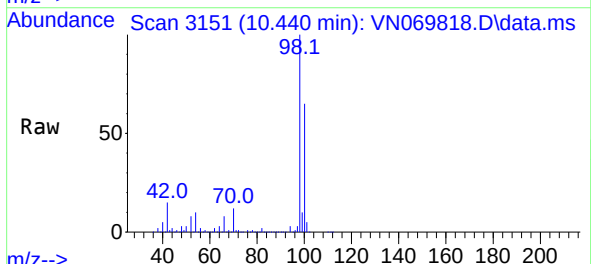
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

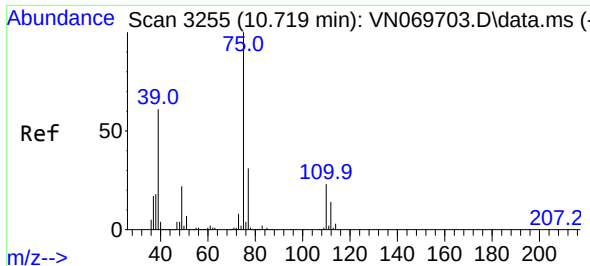
Tgt Ion:130 Resp: 251499
Ion Ratio Lower Upper
130 100
95 105.6 0.0 191.2



#50
Toluene-d8
Concen: 51.23 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 98 Resp: 2880228
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

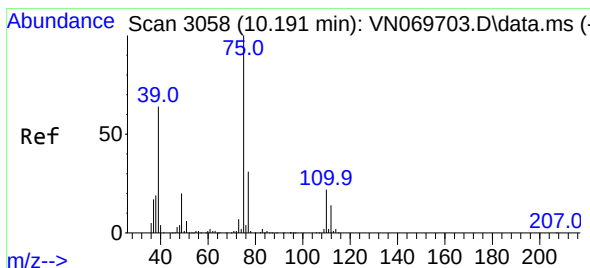
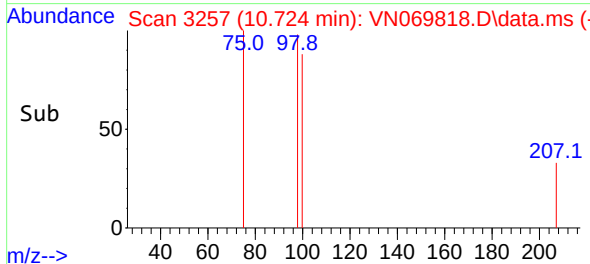
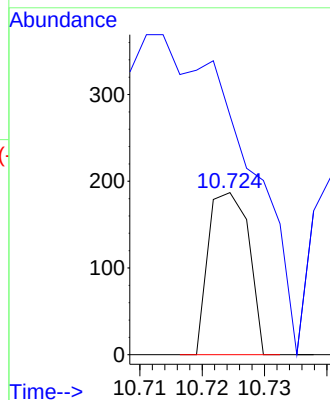
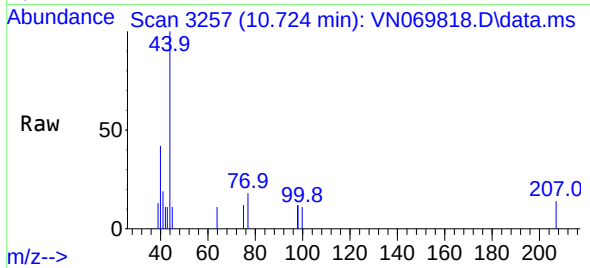




#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.724 min Scan# 3145
Delta R.T. 0.005 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

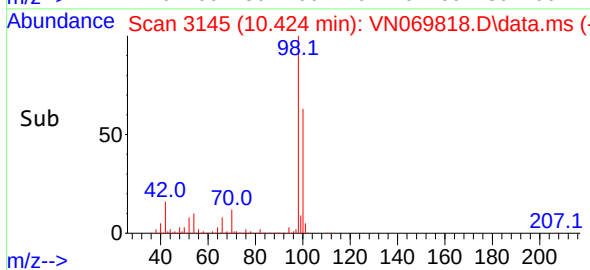
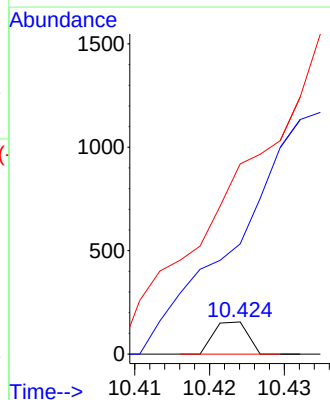
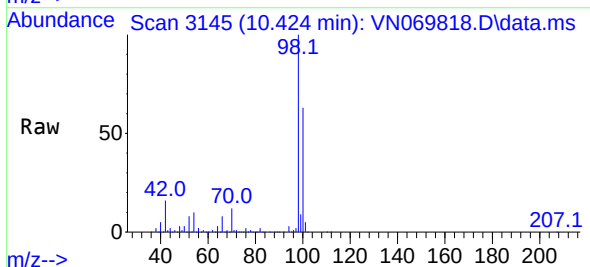
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

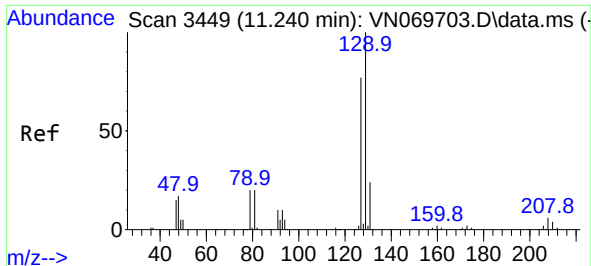
Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
77 66.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.424 min Scan# 3145
Delta R.T. 0.233 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 154.8 26.4 39.6#
39 301.3 42.5 63.7#

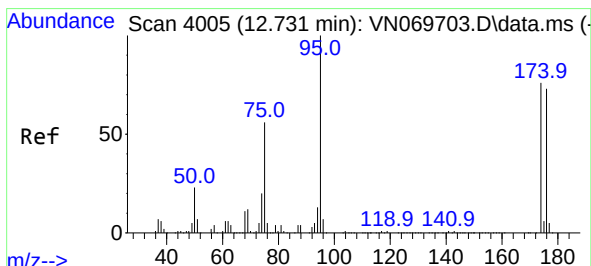
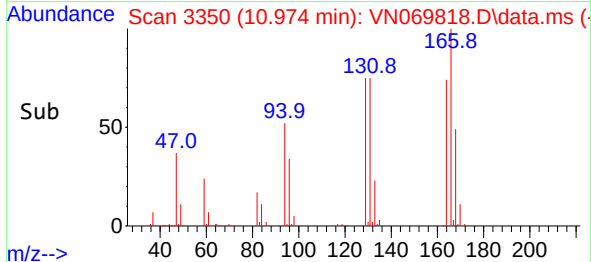
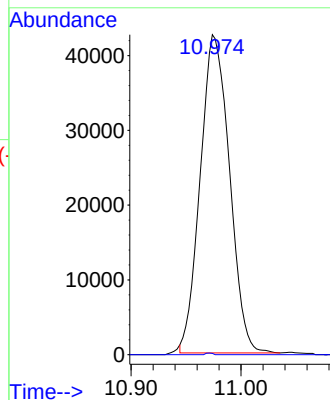
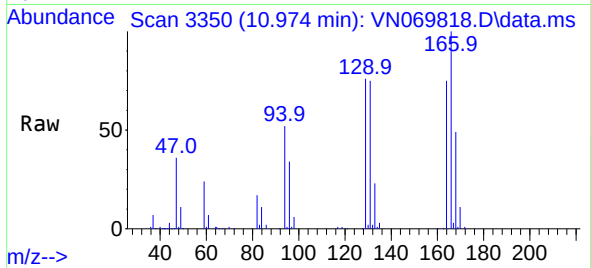




#60
Dibromochloromethane
Concen: 6.74 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.266 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

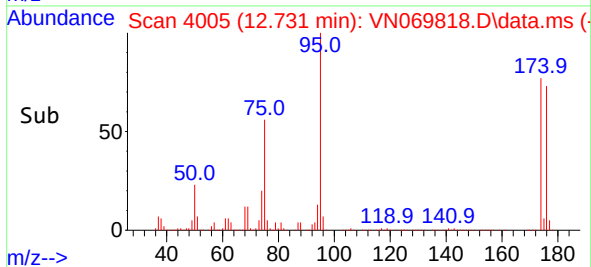
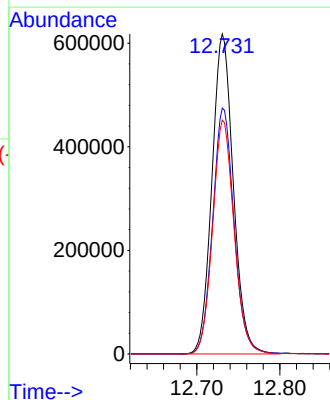
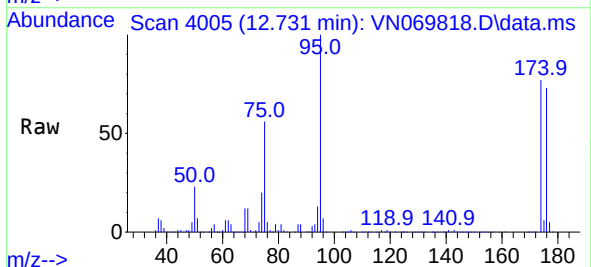
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

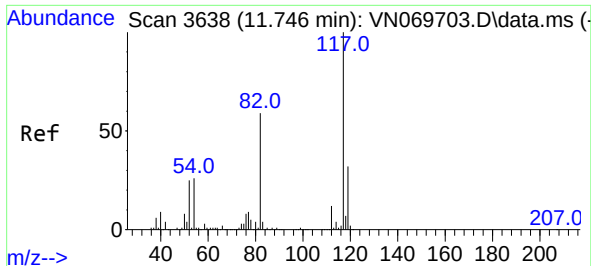
Tgt Ion:129 Resp: 78607
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.11 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

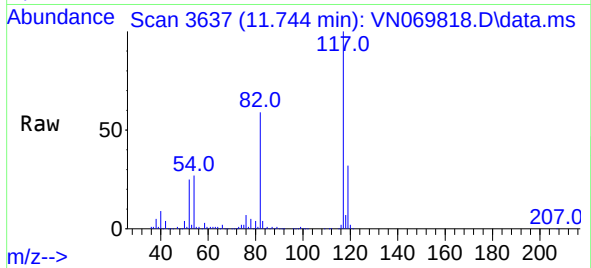
Tgt Ion: 95 Resp: 1102230
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 73.6 0.0 181.4





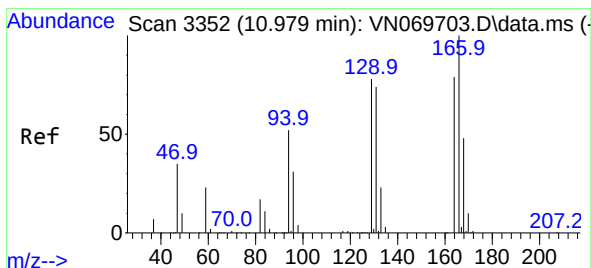
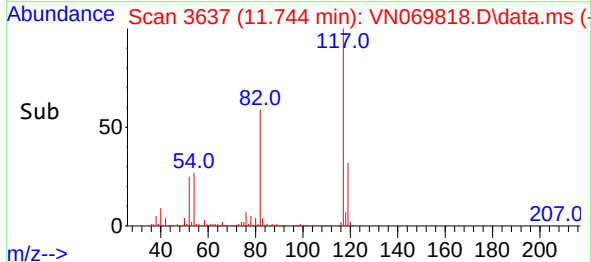
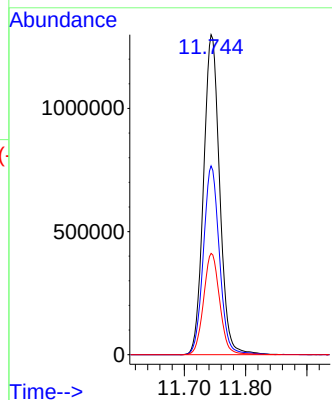
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204



Tgt Ion:117 Resp: 2373022

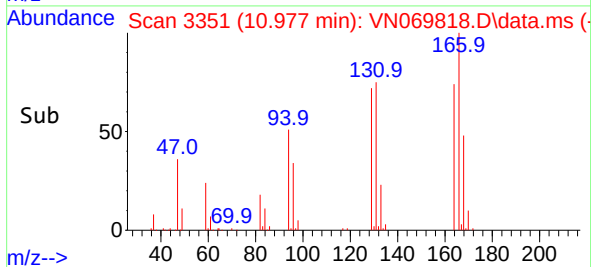
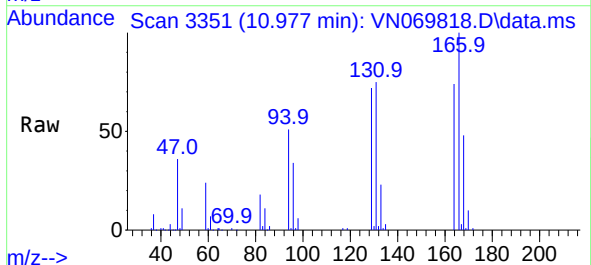
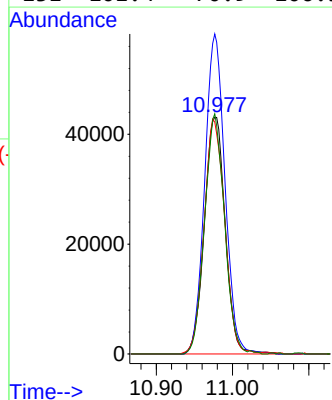
Ion	Ratio	Lower	Upper
117	100		
82	59.0	42.4	63.6
119	31.7	25.4	38.2

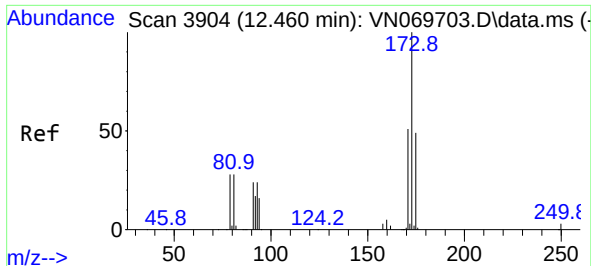


#64
Tetrachloroethene
Concen: 5.10 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion:164 Resp: 82018

Ion	Ratio	Lower	Upper
164	100		
166	135.1	101.9	152.9
129	97.9	72.0	108.0
131	101.4	70.9	106.3

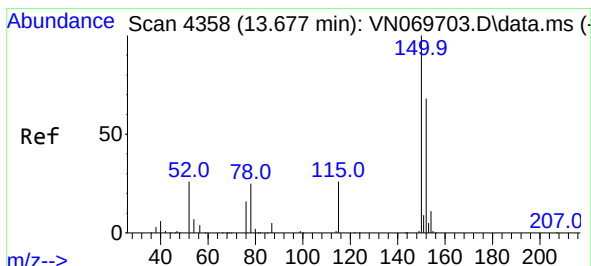
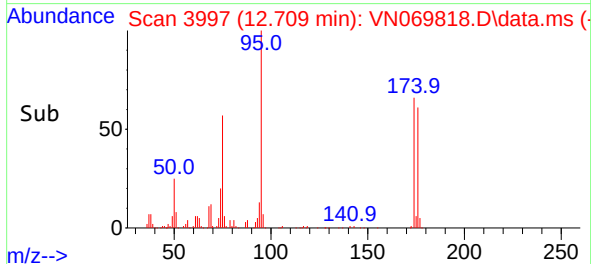
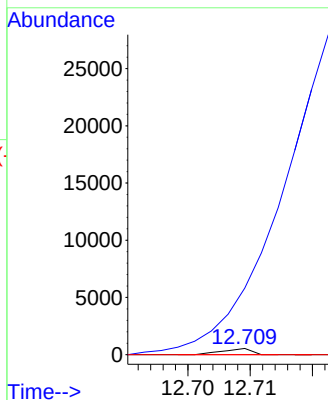
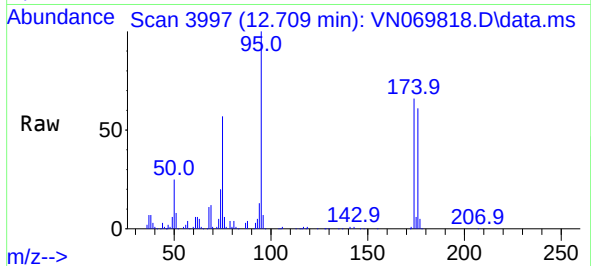




#71
Bromoform
Concen: 2.74 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

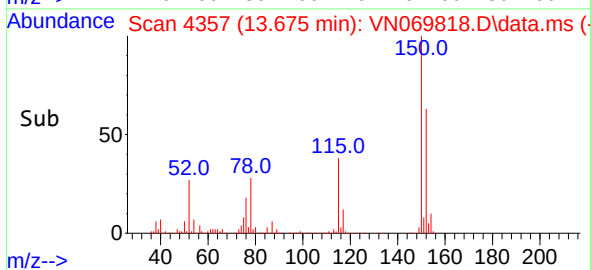
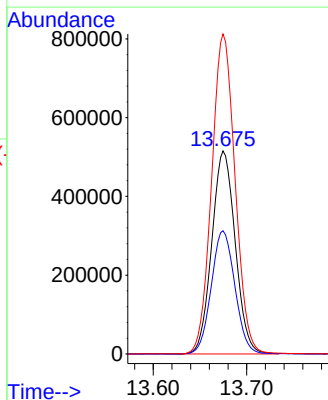
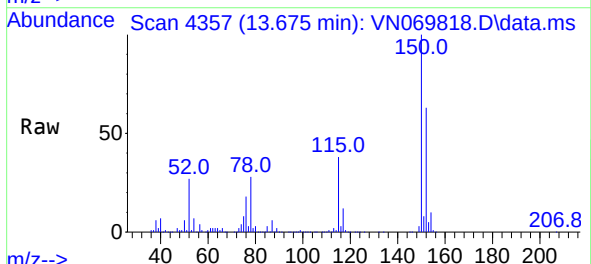
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

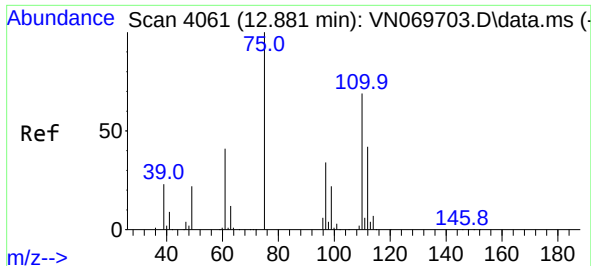
Tgt Ion:173 Resp: 176
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion:152 Resp: 901175
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 157.5 0.0 344.4

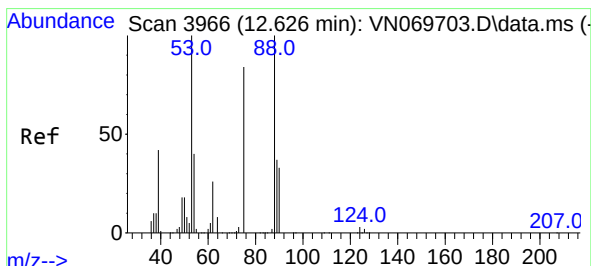
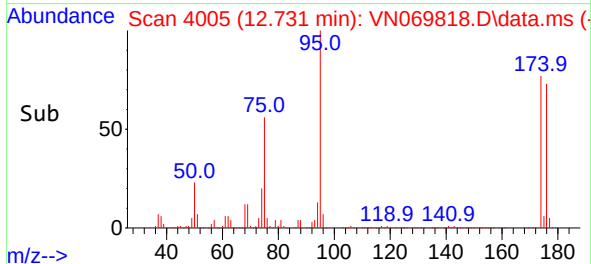
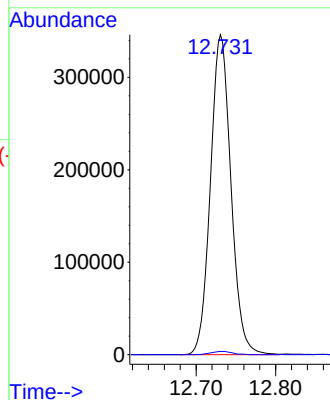
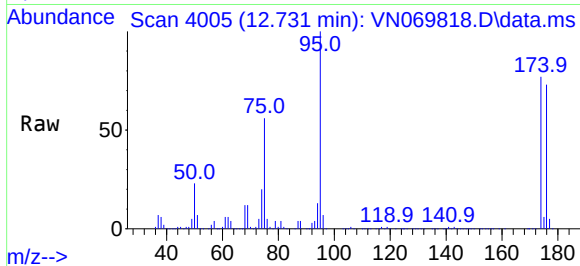




#76
1,2,3-Trichloropropane
Concen: 24.03 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

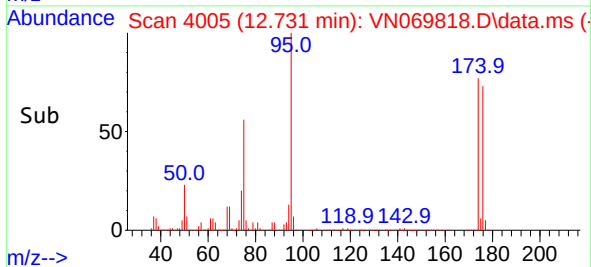
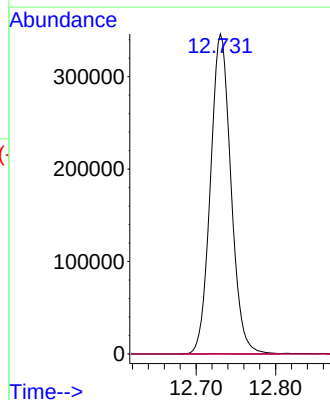
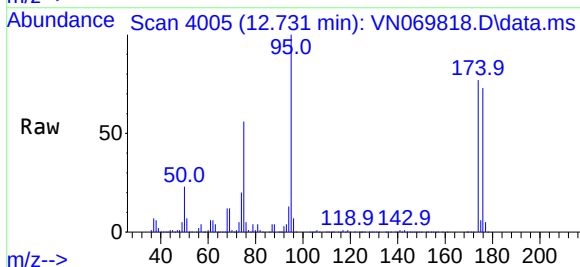
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

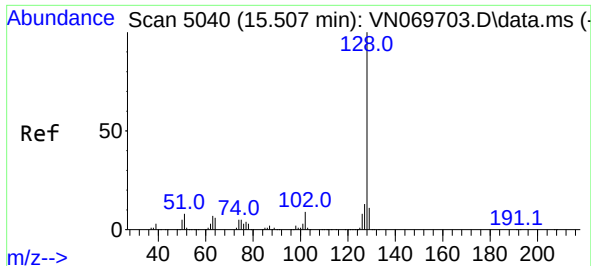
Tgt Ion: 75 Resp: 620966
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.31 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion: 75 Resp: 620966
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

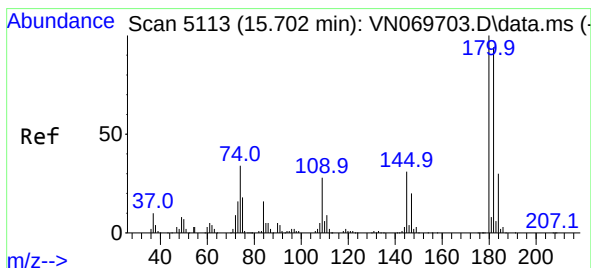
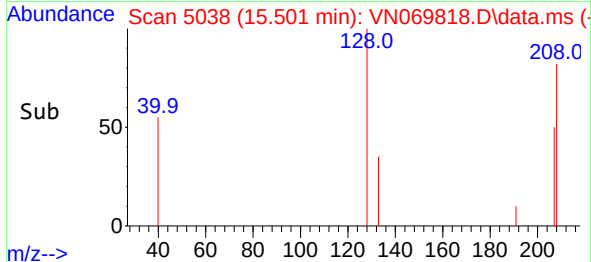
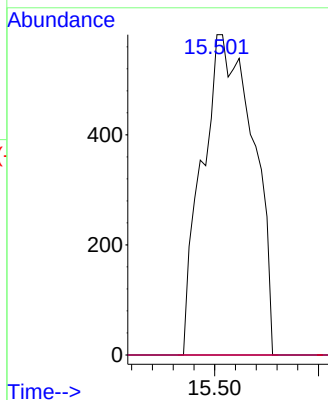
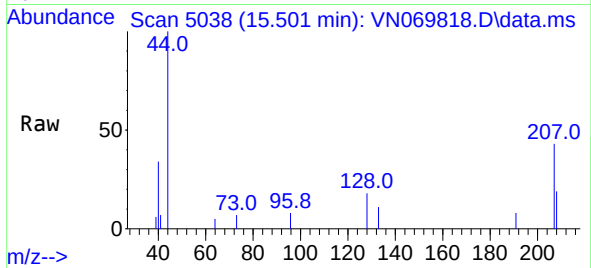




#95
Naphthalene
Concen: 4.01 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Instrument :
MSVOA_N
ClientSampleId :
MW202D-20211204

Tgt Ion:128 Resp: 993
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.45 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069818.D
Acq: 7 Dec 2021 16:41

Tgt Ion:180 Resp: 269
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

