

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069717.D
 Acq On : 3 Dec 2021 14:47
 Operator : JC/MD
 Sample : M4931-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW9-GW-948-950

Quant Time: Dec 04 05:32:15 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)

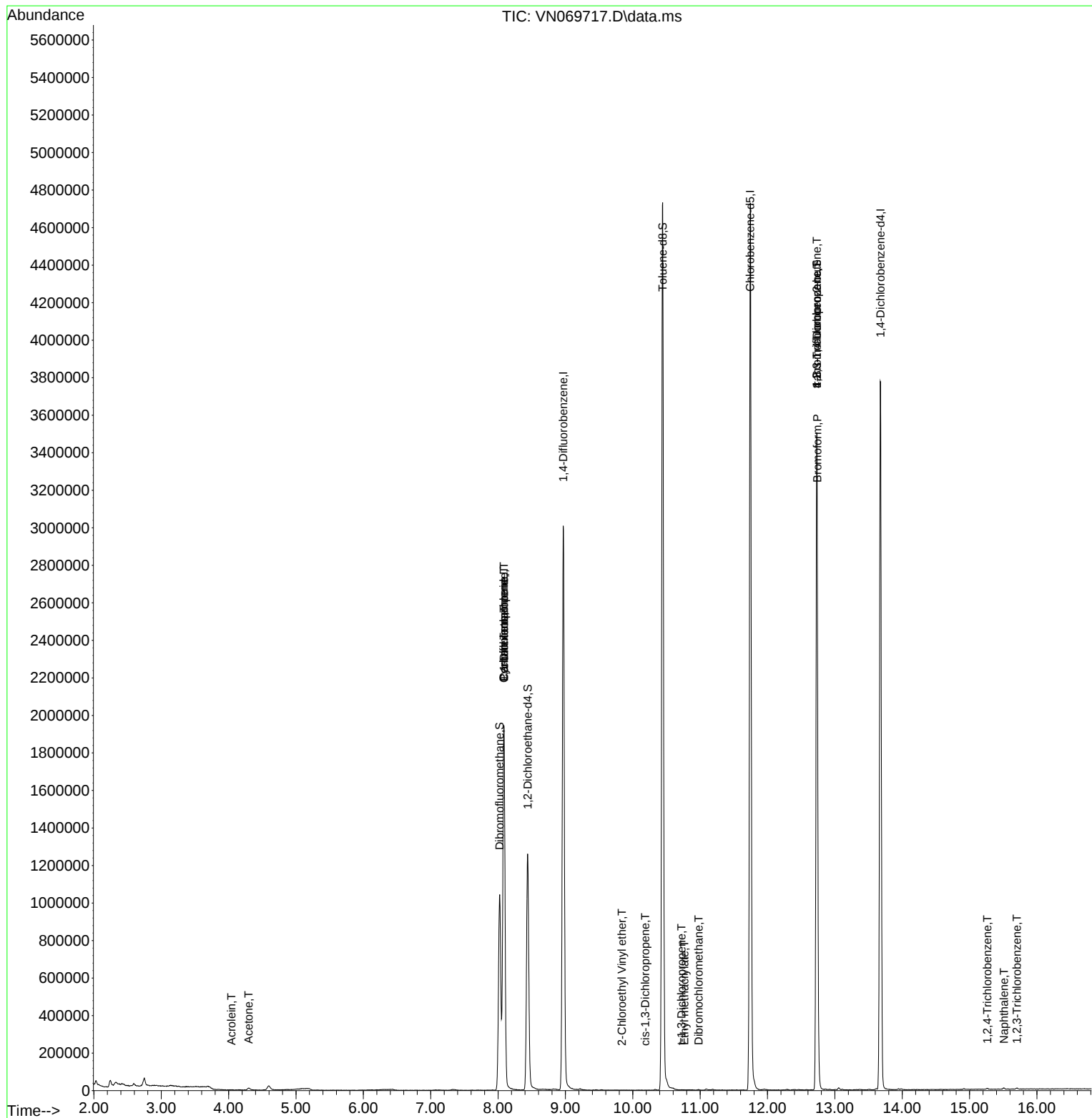
Internal Standards						
1) Pentafluorobenzene	8.085	168	1462769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2560586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2624793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1006581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1091137	48.312	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.620%		
35) Dibromofluoromethane	8.024	113	758844	47.313	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.620%		
50) Toluene-d8	10.443	98	3234013	50.216	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.440%		
62) 4-Bromofluorobenzene	12.733	95	1218151	52.211	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.420%		
Target Compounds					Qvalue	
13) Acrolein	4.041	56	779	0.214	ug/l	96
16) Acetone	4.296	43	16796	1.236	ug/l	96
31) Cyclohexane	8.088	56	37426	1.191	ug/l #	41
36) 1,1-Dichloropropene	8.085	75	123340	5.060	ug/l #	49
38) Carbon Tetrachloride	8.085	117	151023	6.318	ug/l #	16
53) t-1,3-Dichloropropene	10.722	75	207	2.801	ug/l #	83
54) cis-1,3-Dichloropropene	10.185	75	131	2.003	ug/l #	73
56) Ethyl methacrylate	10.767	69	152	2.283	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.839	63	61	18.395	ug/l #	45
60) Dibromochloromethane	10.977	129	327	2.392	ug/l #	11
71) Bromoform	12.739	173	3773	2.953	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	691189	23.944	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	691189	76.063	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1965	2.990	ug/l	83
95) Naphthalene	15.512	128	6584	4.108	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.702	180	2086	2.559	ug/l	82

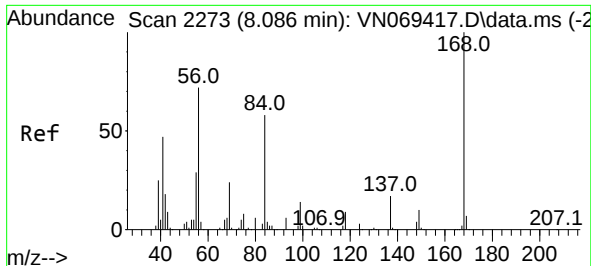
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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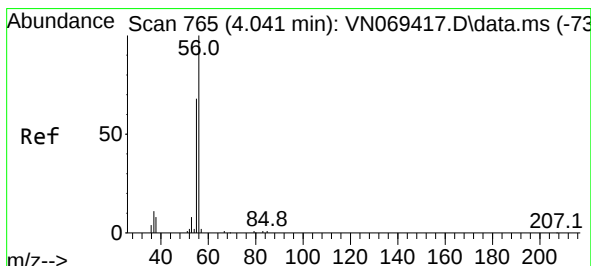
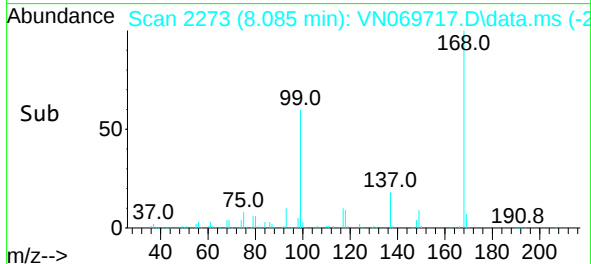
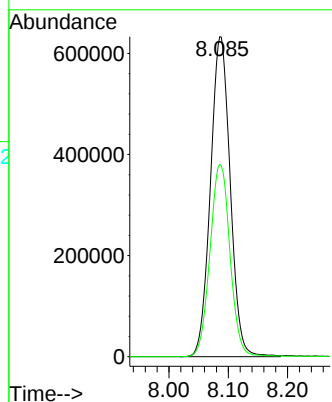
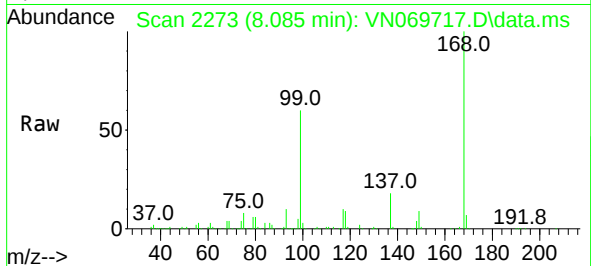




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

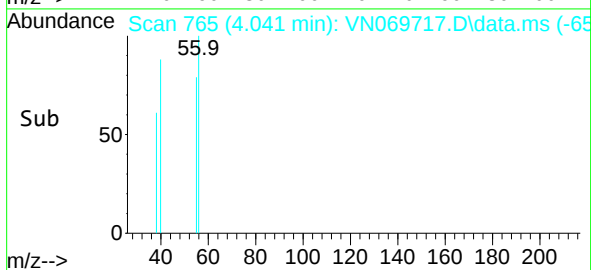
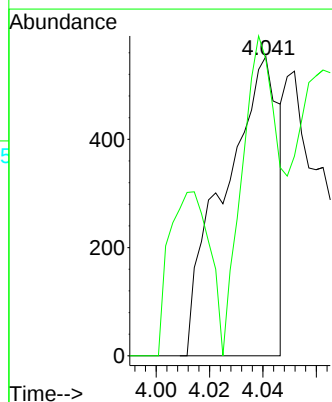
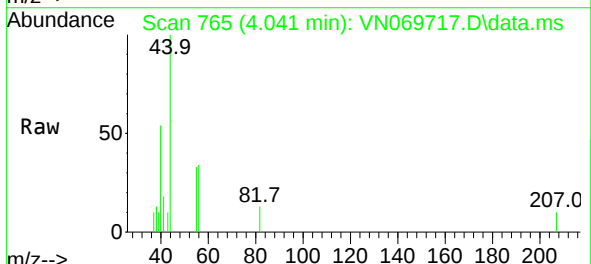
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MSVOA_N
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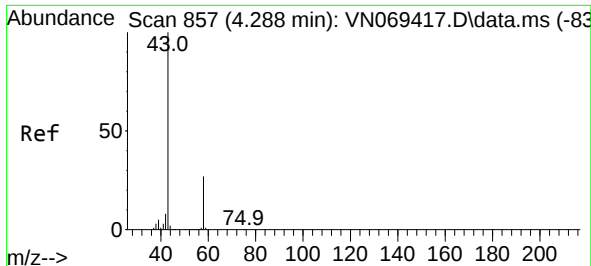
Tgt Ion:168 Resp: 1462769
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#13
Acrolein
Concen: 0.214 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 56 Resp: 779
Ion Ratio Lower Upper
56 100
55 73.9 56.6 85.0

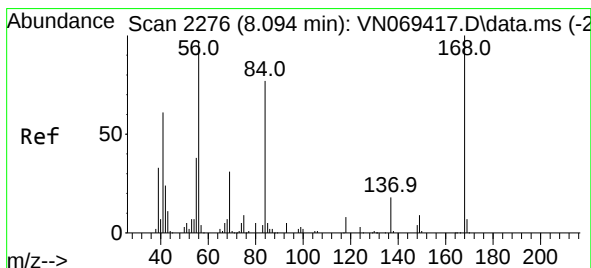
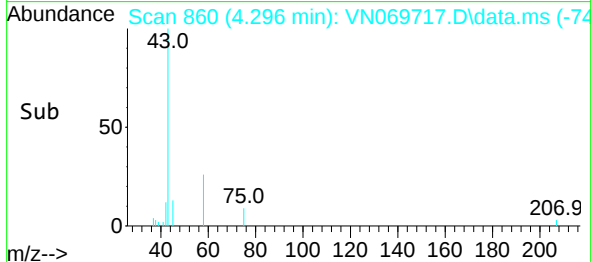
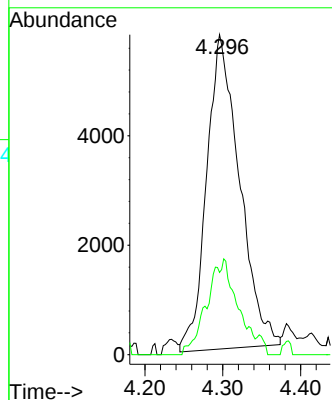
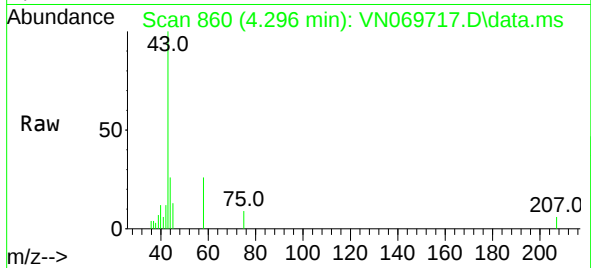




#16
Acetone
Concen: 1.236 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

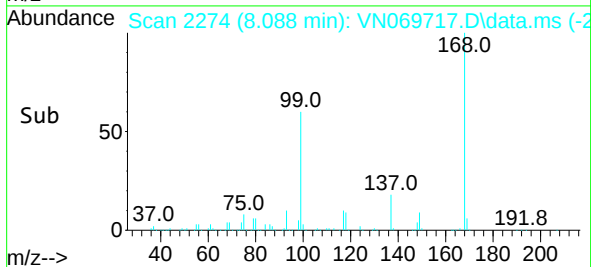
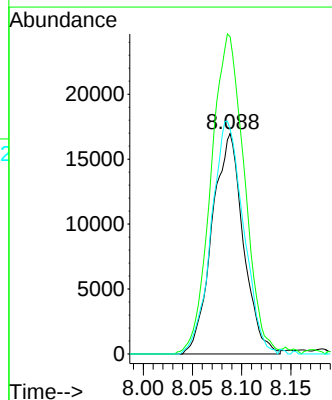
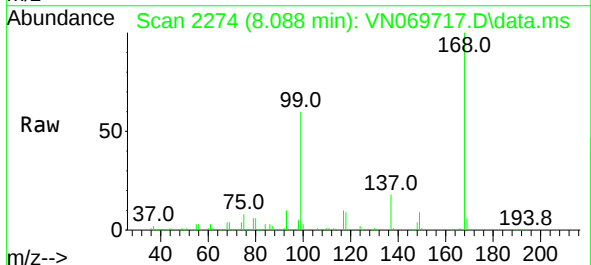
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-948-950

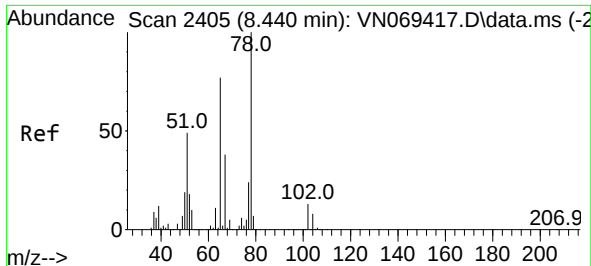
Tgt Ion: 43 Resp: 16796
Ion Ratio Lower Upper
43 100
58 26.5 23.1 34.7



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 56 Resp: 37426
Ion Ratio Lower Upper
56 100
69 142.8 27.1 40.7#
84 101.9 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 48.312 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069717.D

Acq: 3 Dec 2021 14:47

Instrument :

MSVOA_N

ClientSampleId :

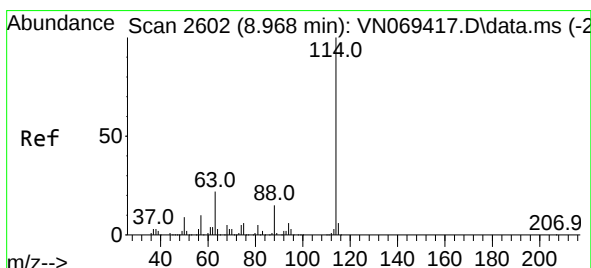
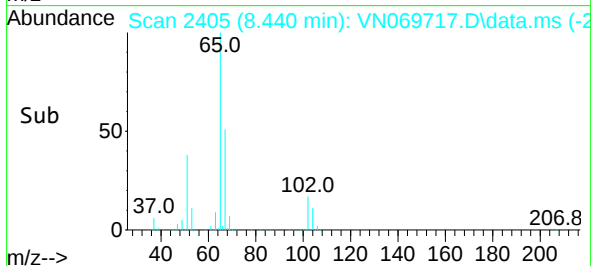
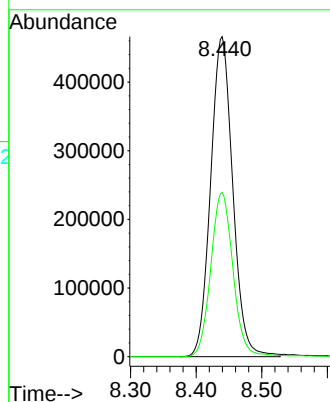
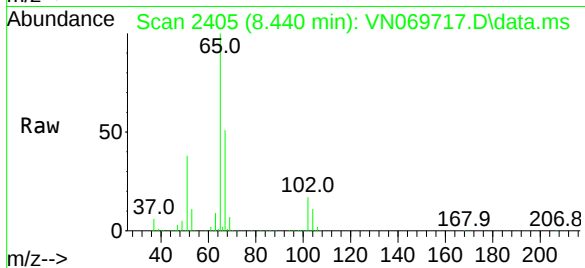
BP-VPB-RW9-GW-948-950

Tgt Ion: 65 Resp: 1091137

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069717.D

Acq: 3 Dec 2021 14:47

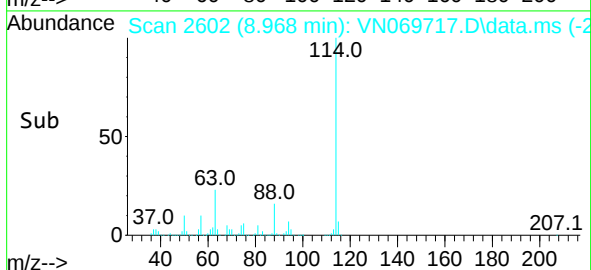
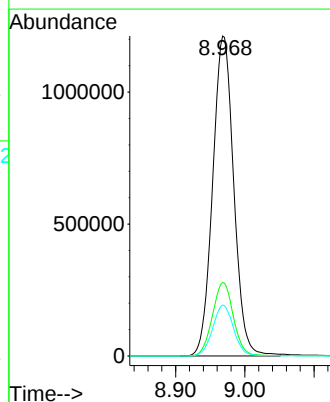
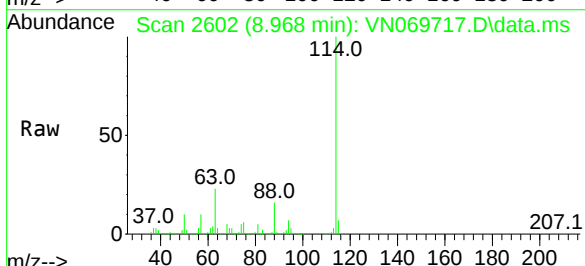
Tgt Ion: 114 Resp: 2560586

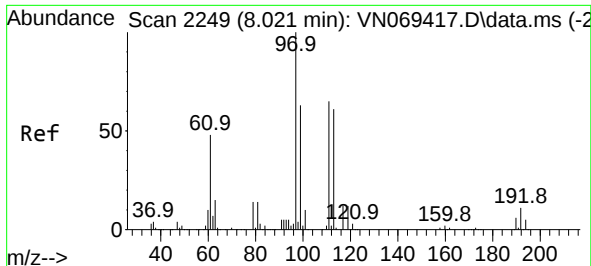
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 15.9 0.0 27.4

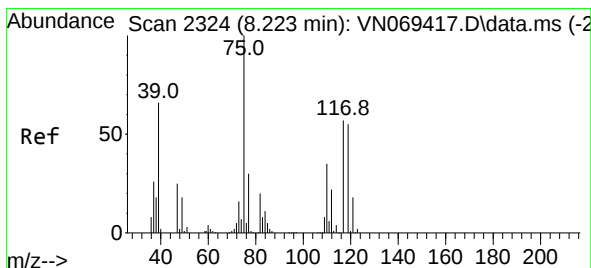
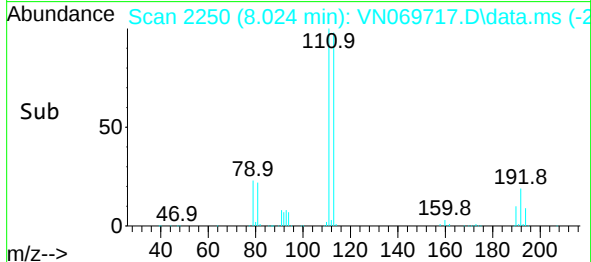
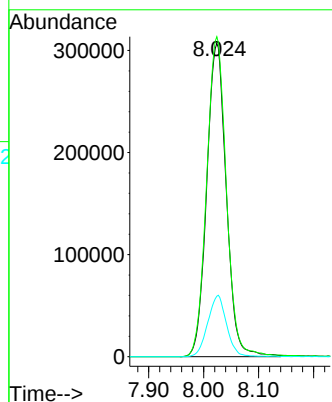
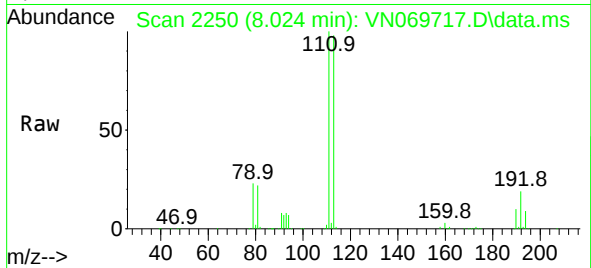




#35
Dibromofluoromethane
Concen: 47.313 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

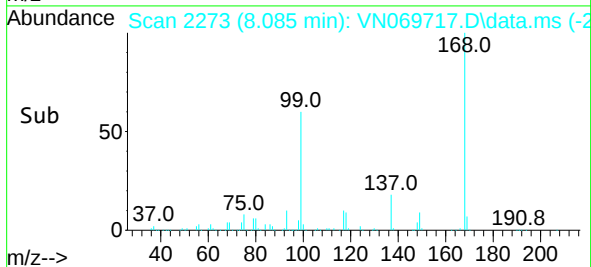
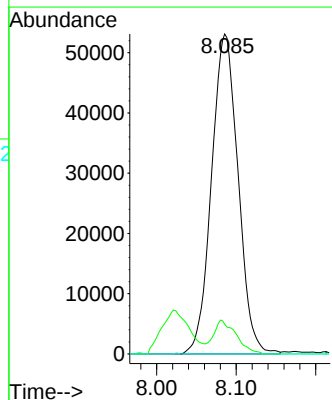
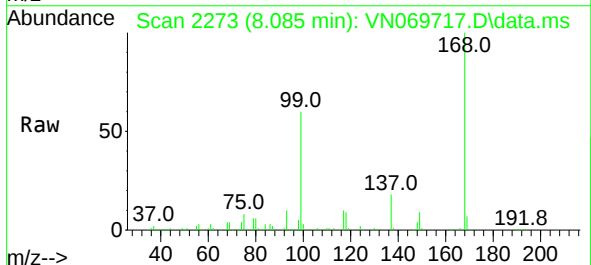
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-948-950

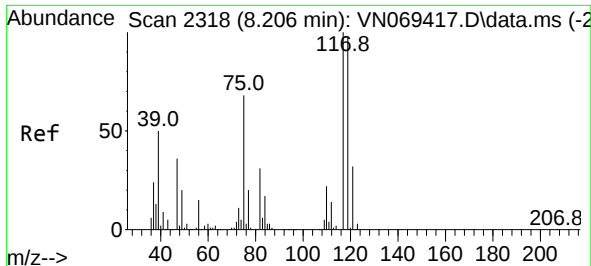
Tgt Ion:113 Resp: 758844
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.060 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 75 Resp: 123340
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

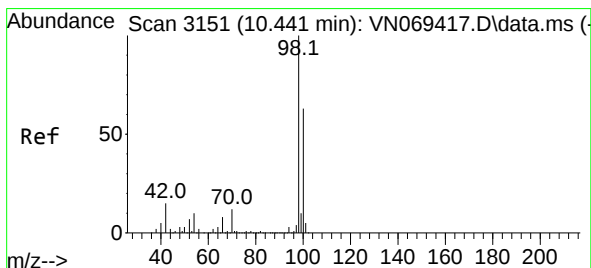
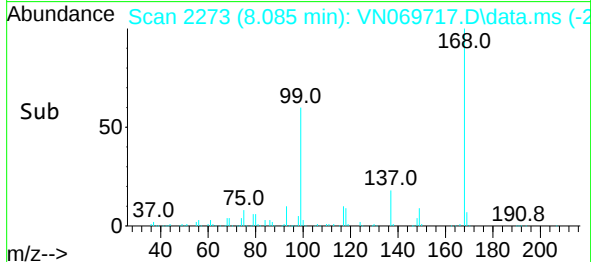
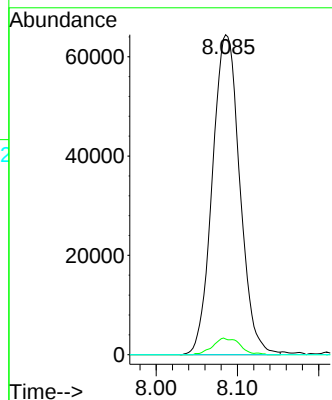
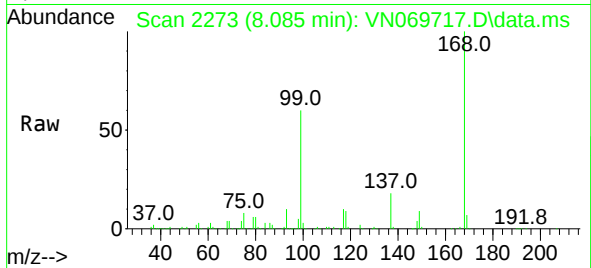




#38
Carbon Tetrachloride
Concen: 6.318 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

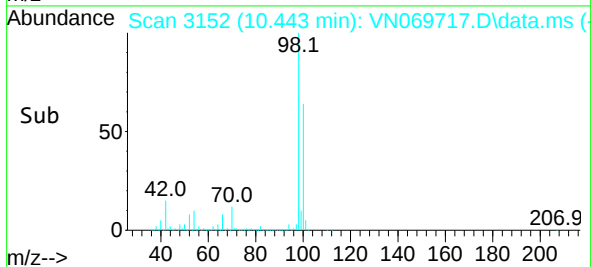
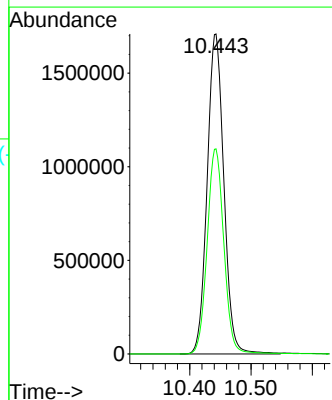
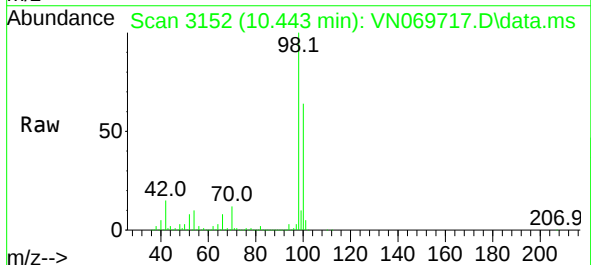
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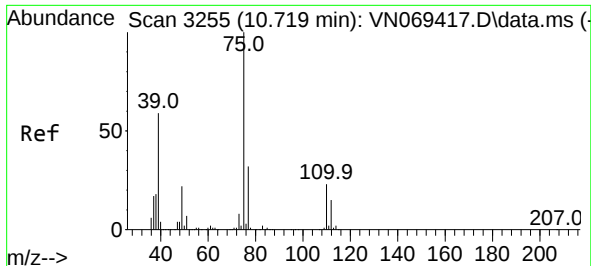
Tgt Ion:117 Resp: 151023
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.216 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

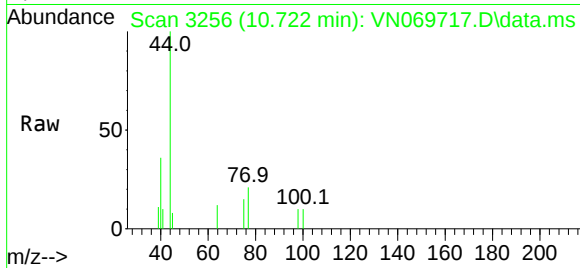
Tgt Ion: 98 Resp: 3234013
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



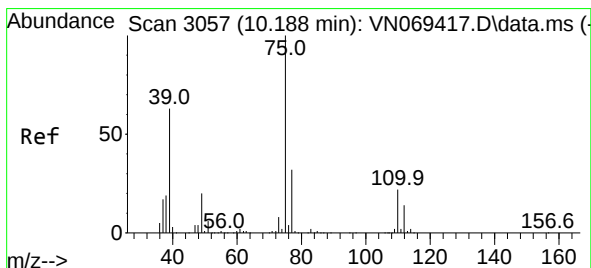
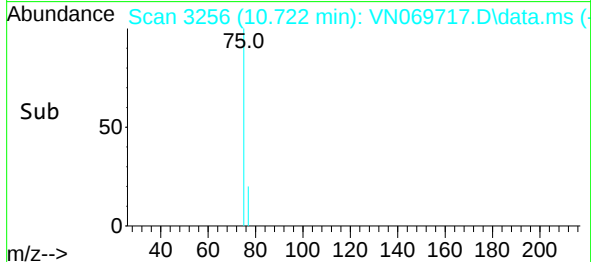
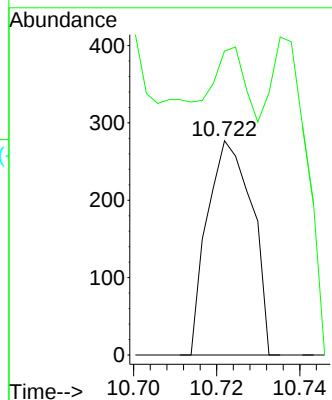


#53
t-1,3-Dichloropropene
Concen: 2.801 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Instrument :
MSVOA_N
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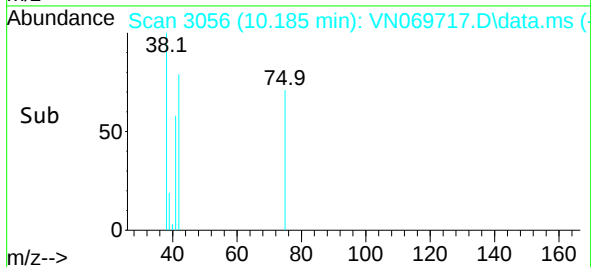
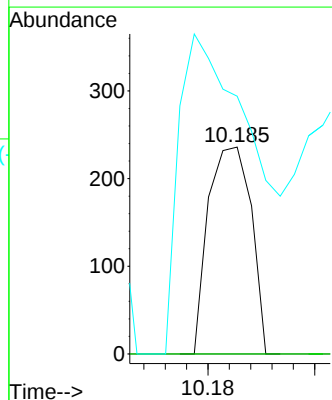
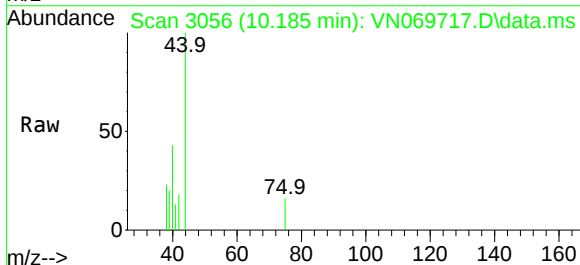


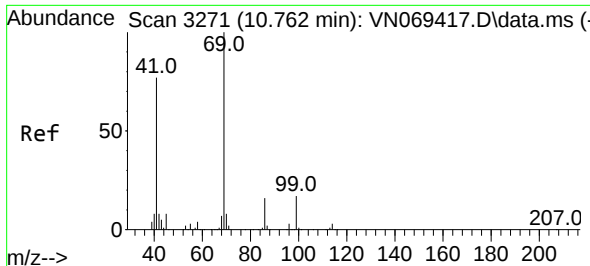
Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
77 22.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.003 ug/l
RT: 10.185 min Scan# 3056
Delta R.T. -0.006 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 48.3 42.5 63.7

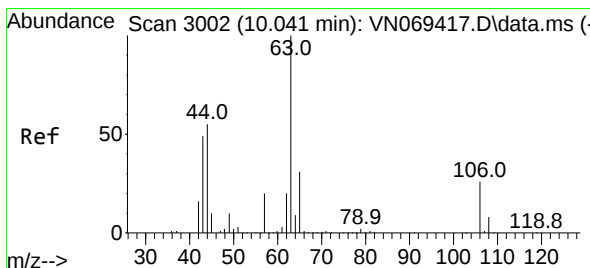
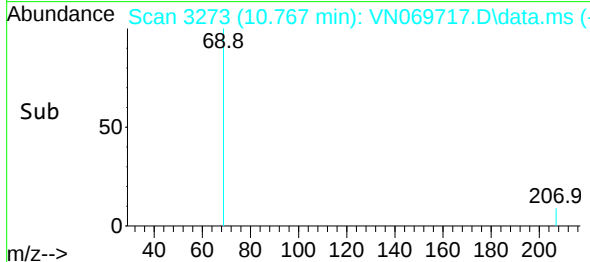
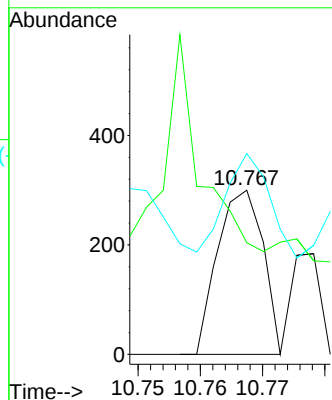
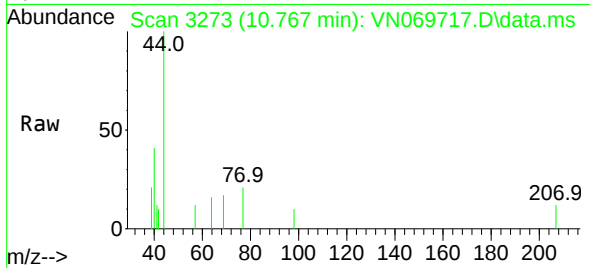




#56
Ethyl methacrylate
Concen: 2.283 ug/l
RT: 10.767 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

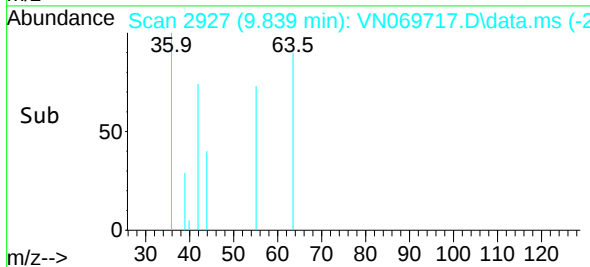
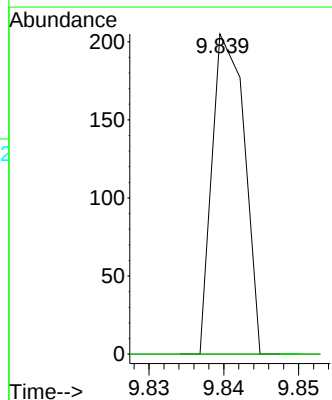
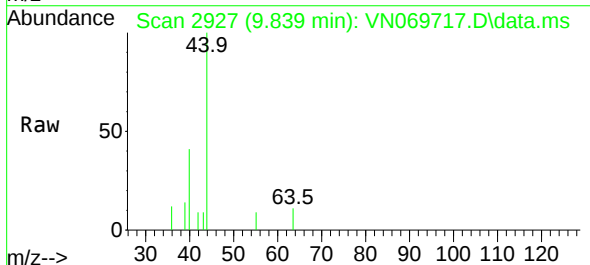
Instrument :
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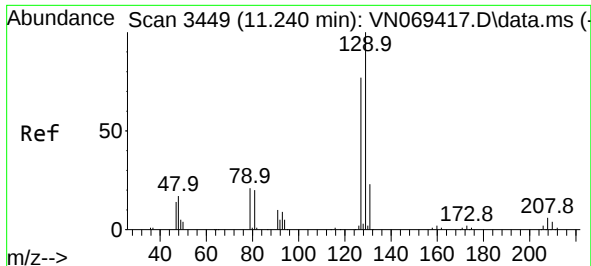
Tgt Ion: 69 Resp: 152
Ion Ratio Lower Upper
69 100
41 100.0 51.4 77.0#
39 173.7 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 9.839 min Scan# 2927
Delta R.T. -0.204 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

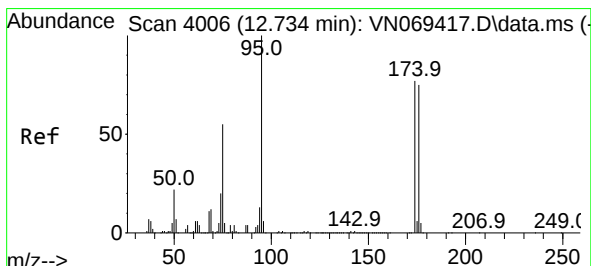
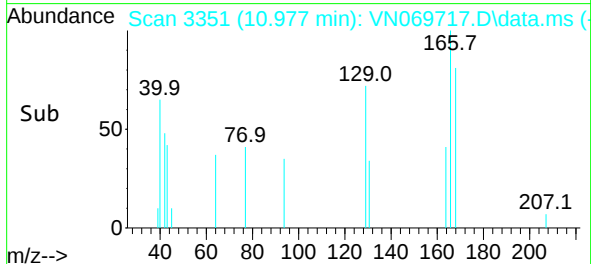
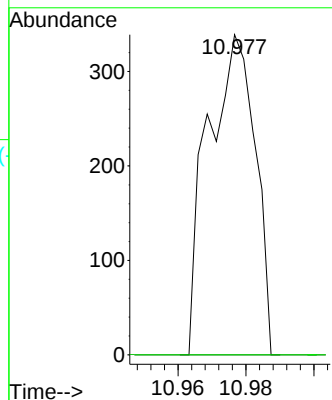
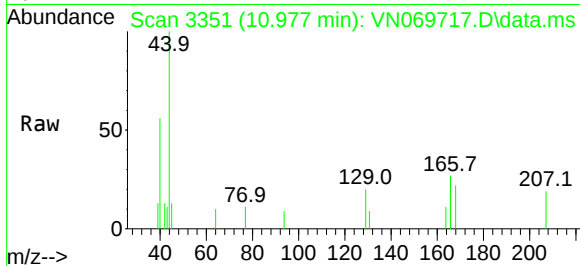




#60
Dibromochloromethane
Concen: 2.392 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

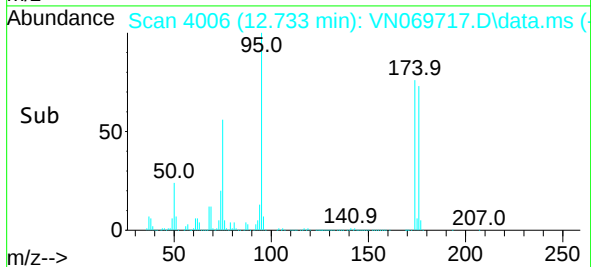
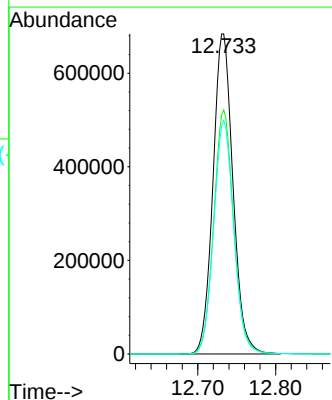
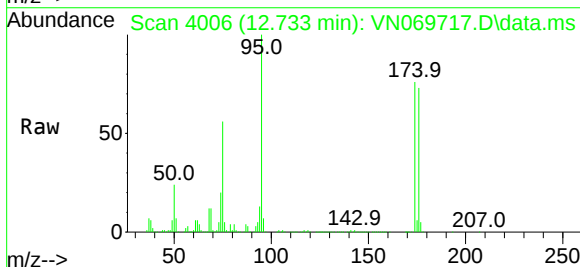
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-948-950

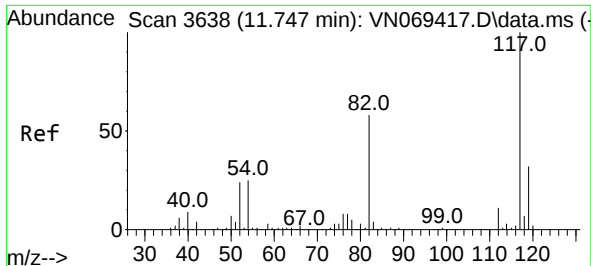
Tgt Ion:129 Resp: 327
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 52.211 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 95 Resp: 1218151
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.1 0.0 181.4

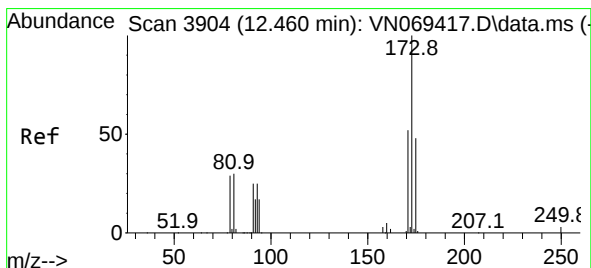
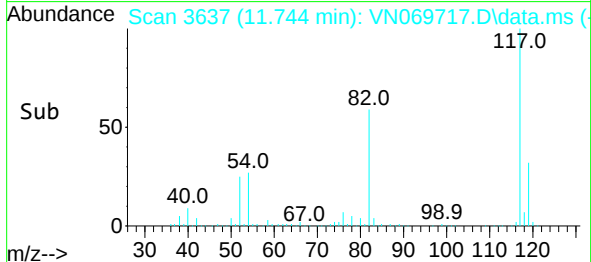
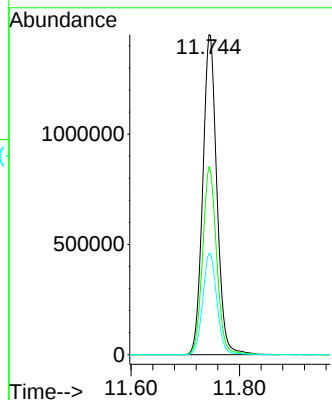
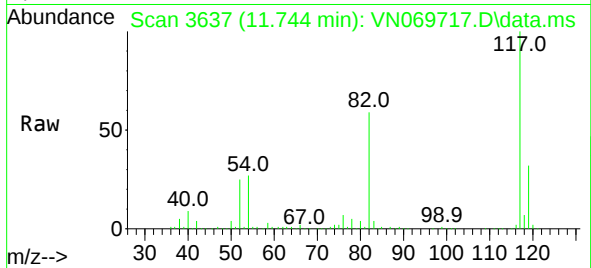




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3
Delta R.T. -0.002 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

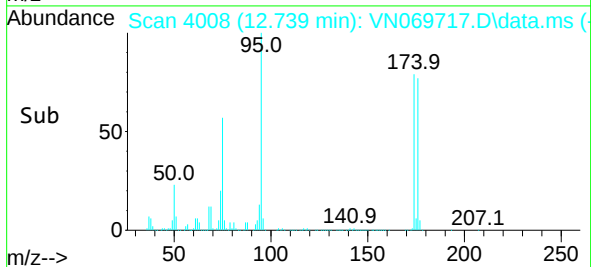
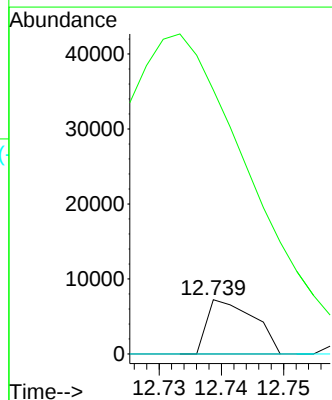
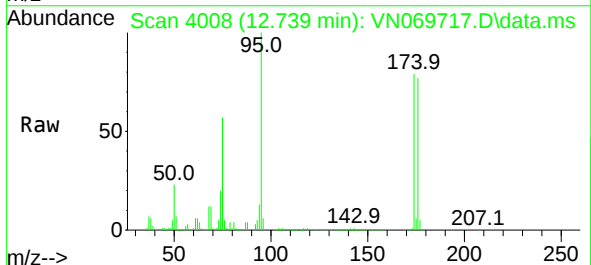
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-948-950

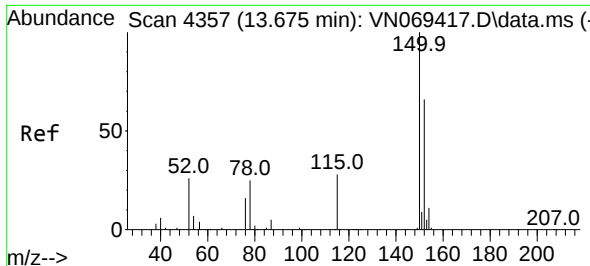
Tgt Ion:117 Resp: 2624793
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.7 25.4 38.2



#71
Bromoform
Concen: 2.953 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

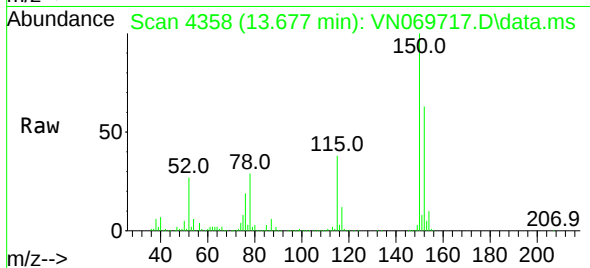
Tgt Ion:173 Resp: 3773
Ion Ratio Lower Upper
173 100
175 1804.7 24.2 72.6#
254 0.0 0.0 0.0



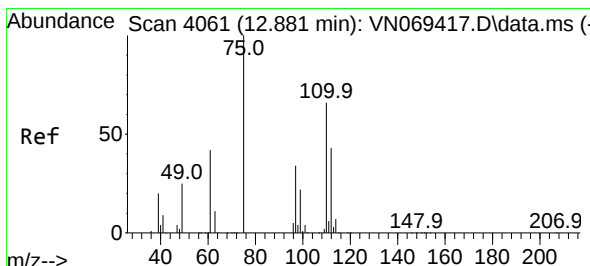
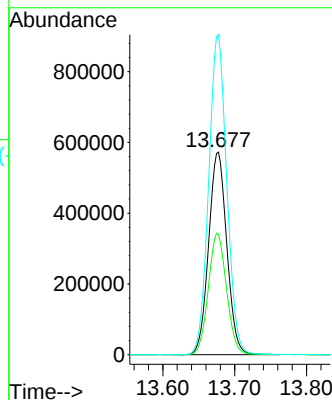
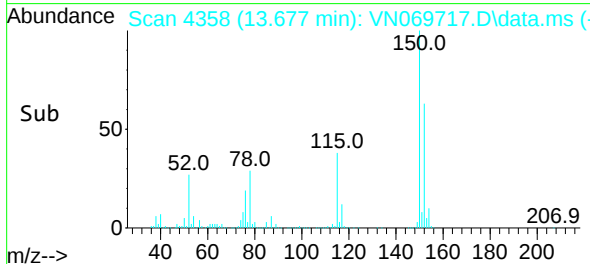


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-948-950

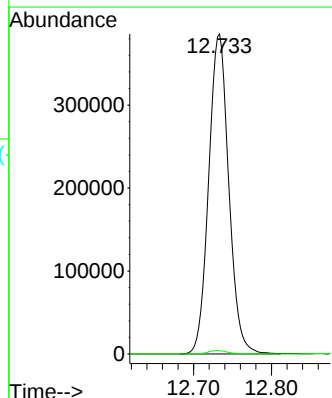
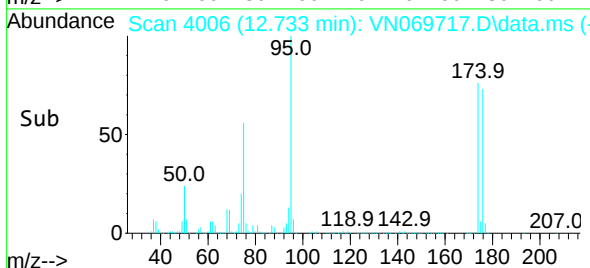
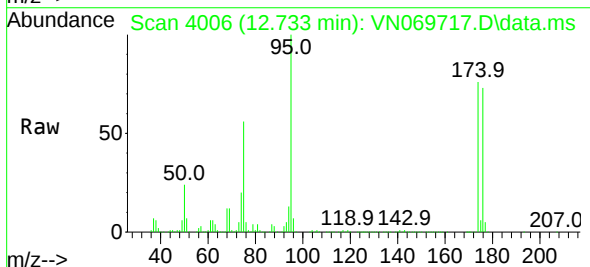


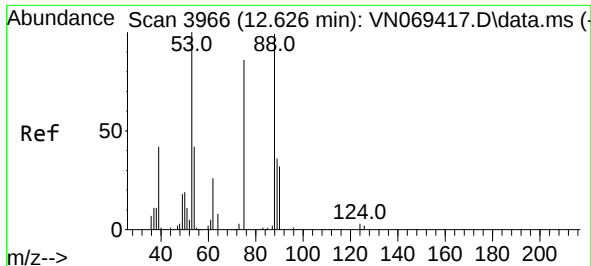
Tgt Ion:152 Resp: 1006581
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 156.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.944 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion: 75 Resp: 691189
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

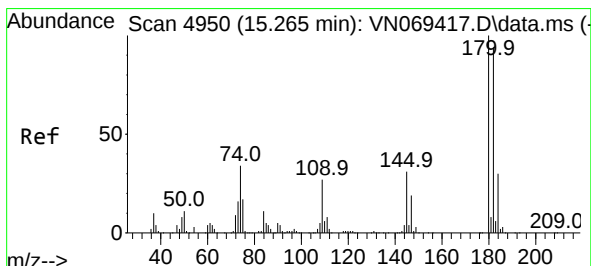
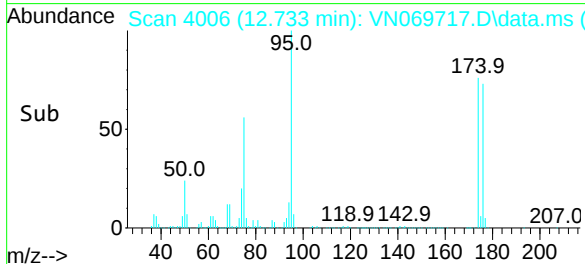
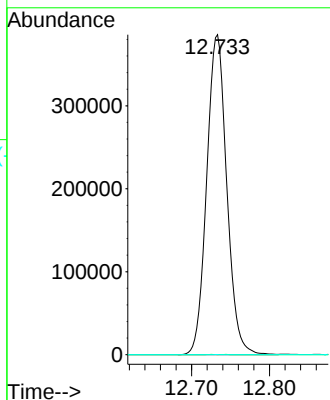
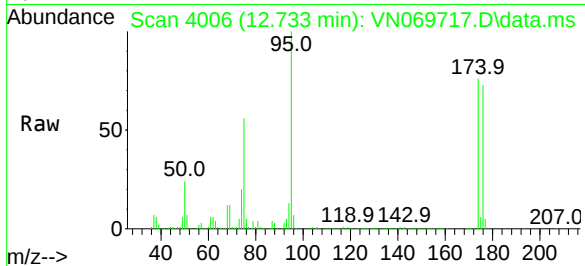




#81
trans-1,4-Dichloro-2-butene
Concen: 76.063 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

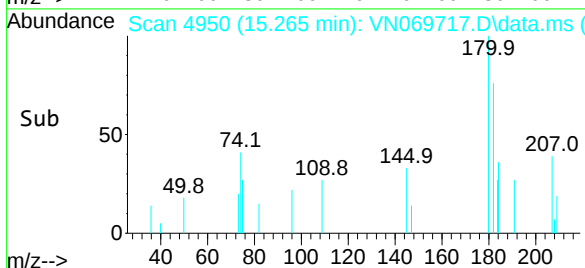
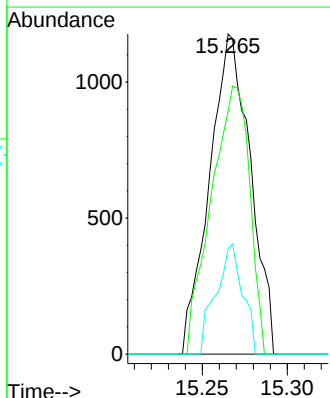
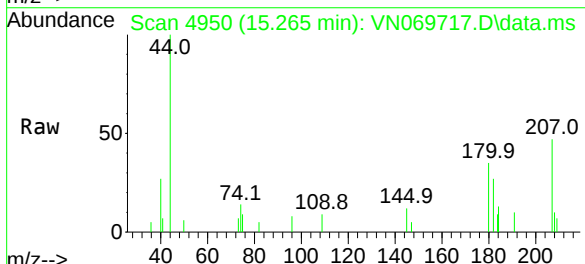
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-948-950

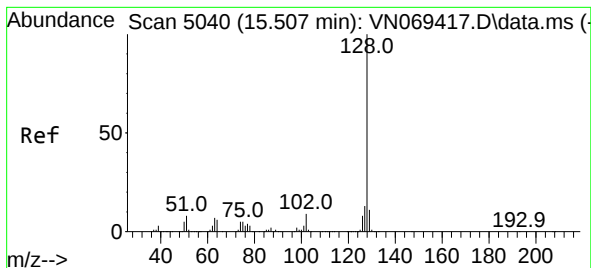
Tgt Ion: 75 Resp: 691189
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.990 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069717.D
Acq: 3 Dec 2021 14:47

Tgt Ion:180 Resp: 1965
Ion Ratio Lower Upper
180 100
182 78.6 48.3 144.9
145 22.6 14.5 43.5





#95

Naphthalene

Concen: 4.108 ug/l

RT: 15.512 min Scan# 5042

Delta R.T. 0.005 min

Lab File: VN069717.D

Acq: 3 Dec 2021 14:47

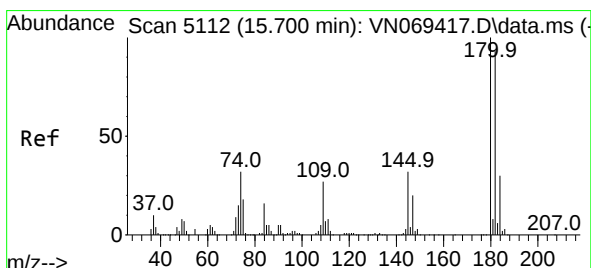
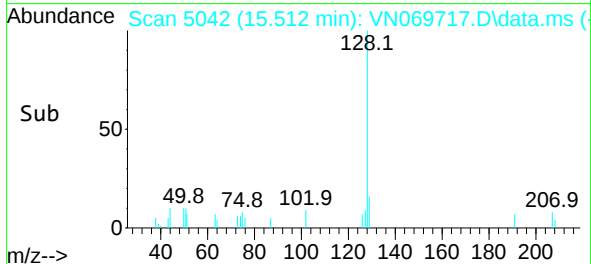
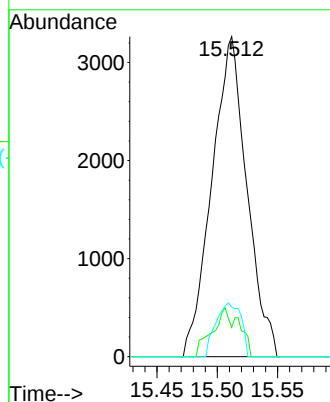
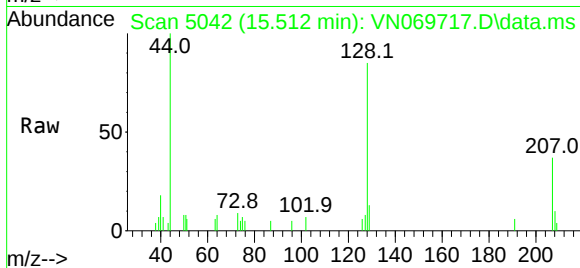
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW9-GW-948-950

Tgt Ion:128	Resp:	6584
Ion Ratio	Lower	Upper
128	100	
127	8.0	10.5 15.7#
129	12.0	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.559 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN069717.D

Acq: 3 Dec 2021 14:47

Tgt Ion:180	Resp:	2086
Ion Ratio	Lower	Upper
180	100	
182	73.0	47.4 142.2
145	31.7	15.0 45.1

