

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069718.D
 Acq On : 3 Dec 2021 15:12
 Operator : JC/MD
 Sample : M4931-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:32:31 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	8.086	168	1604453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2756910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2757290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1031450	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1168317	47.161	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.320%
35) Dibromofluoromethane	8.024	113	821732	47.585	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.180%
50) Toluene-d8	10.443	98	3488501	50.310	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.733	95	1275912	50.792	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.580%

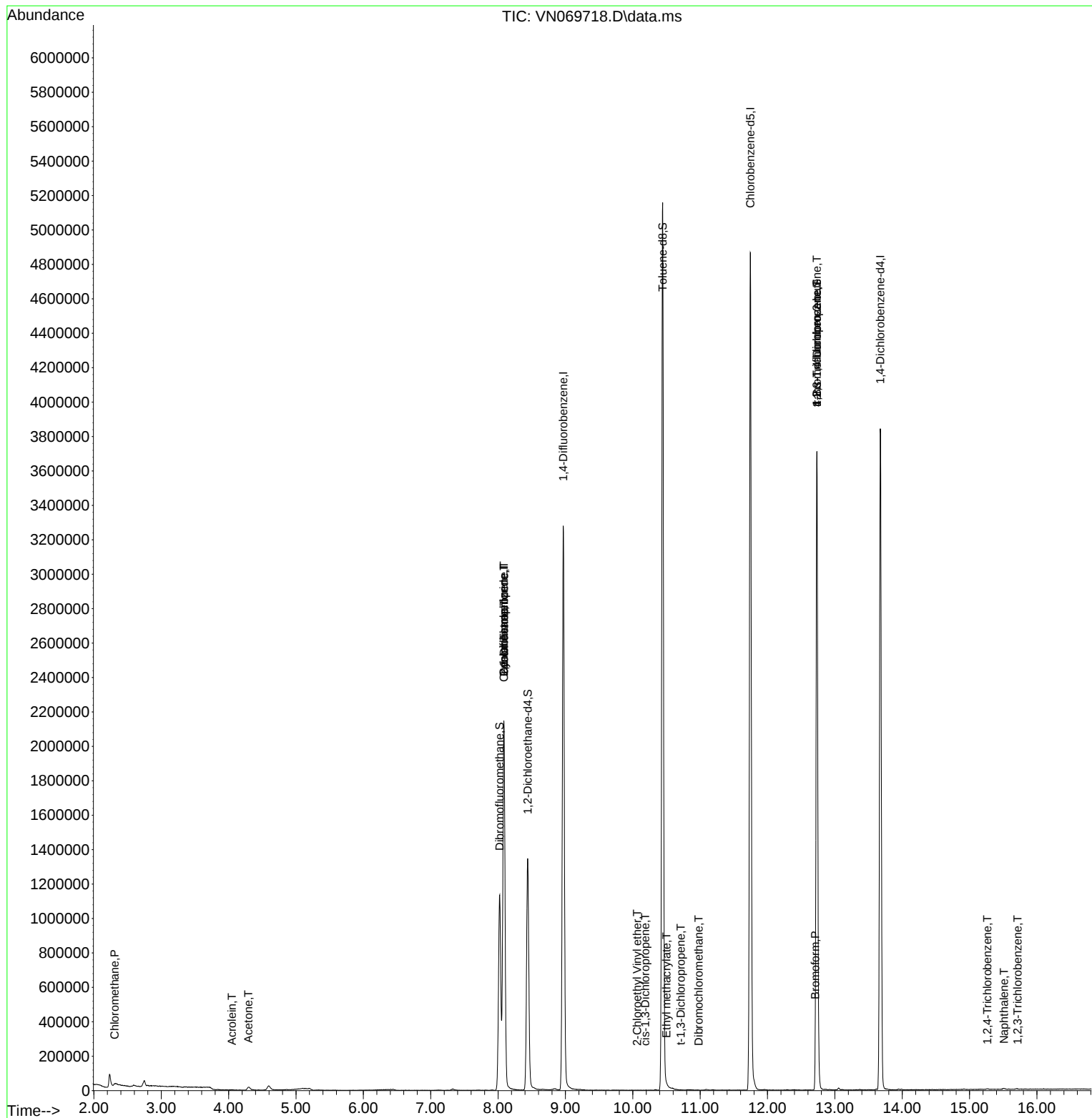
Target Compounds					Qvalue	
3) Chloromethane	2.306	50	5533	0.236	ug/l #	86
13) Acrolein	4.047	56	992	0.249	ug/l	84
16) Acetone	4.293	43	31598	2.120	ug/l	96
31) Cyclohexane	8.086	56	42202	1.224	ug/l #	40
36) 1,1-Dichloropropene	8.086	75	138149	5.264	ug/l #	45
38) Carbon Tetrachloride	8.088	117	166571	6.472	ug/l #	16
53) t-1,3-Dichloropropene	10.711	75	80	2.796	ug/l #	17
54) cis-1,3-Dichloropropene	10.186	75	80	2.001	ug/l #	37
56) Ethyl methacrylate	10.499	69	97	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.065	63	125	18.400	ug/l #	45
60) Dibromochloromethane	10.979	129	164	2.384	ug/l #	11
71) Bromoform	12.707	173	287	2.747	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	721848	24.404	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	721848	77.444	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1155	2.942	ug/l	91
95) Naphthalene	15.509	128	5366	4.083	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.713	180	1416	2.517	ug/l #	13

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

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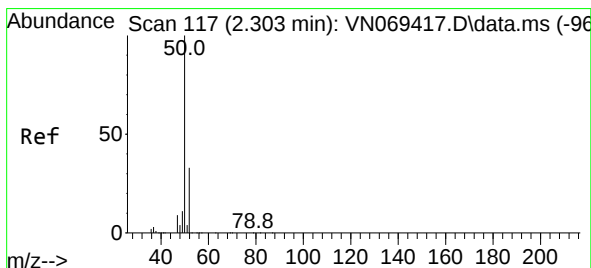
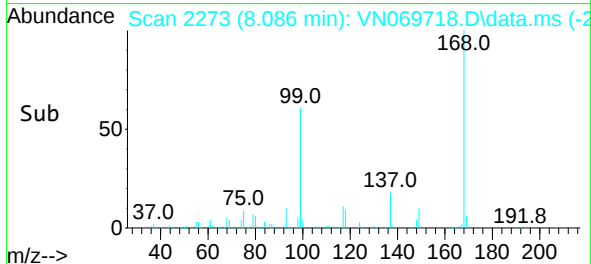
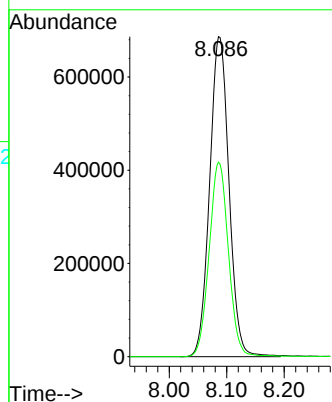
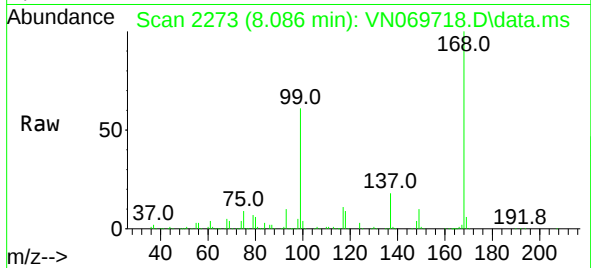




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

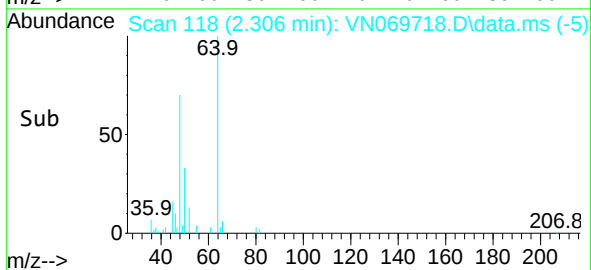
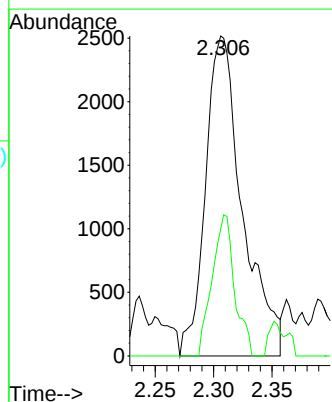
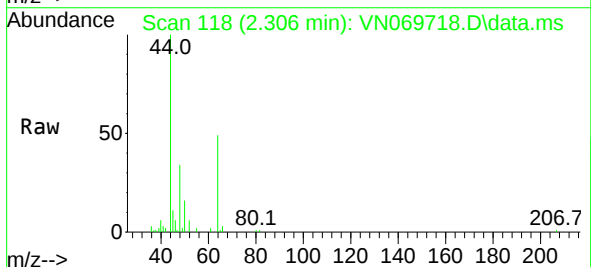
Instrument :
MSVOA_N
ClientSampleId :

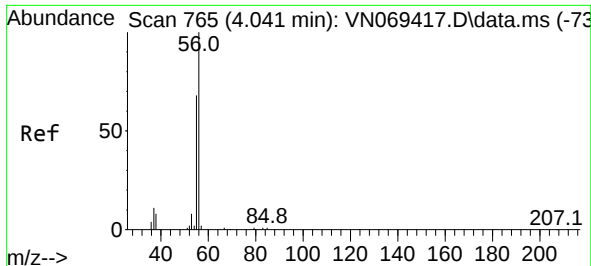
Tgt Ion:168 Resp: 1604453
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Tgt Ion: 50 Resp: 5533
Ion Ratio Lower Upper
50 100
52 39.7 25.4 38.0#





#13

Acrolein

Concen: 0.249 ug/l

RT: 4.047 min Scan# 765

Delta R.T. 0.008 min

Lab File: VN069718.D

Acq: 3 Dec 2021 15:12

Instrument :

MSVOA_N

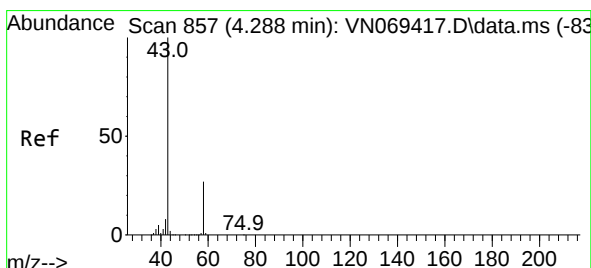
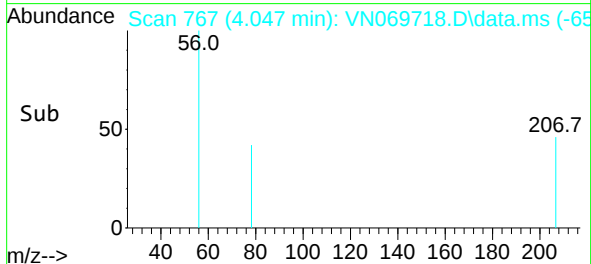
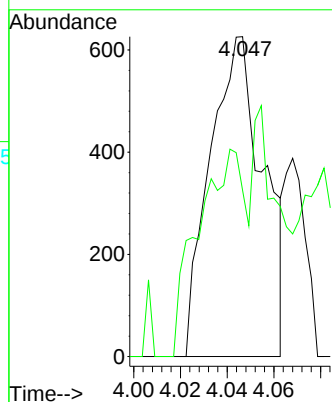
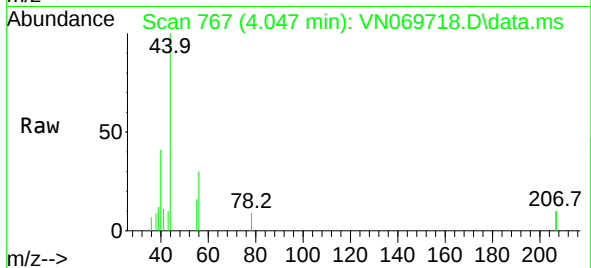
ClientSampleId :

Tgt Ion: 56 Resp: 992

Ion Ratio Lower Upper

56 100

55 57.6 56.6 85.0



#16

Acetone

Concen: 2.120 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.003 min

Lab File: VN069718.D

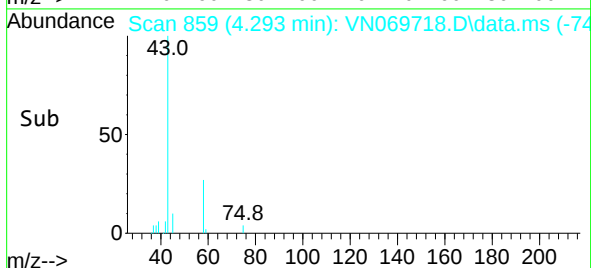
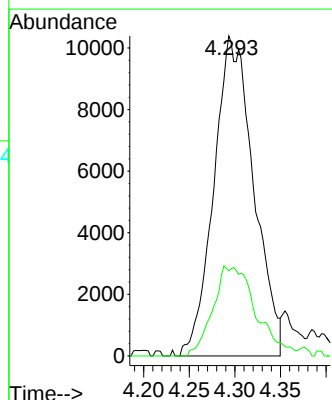
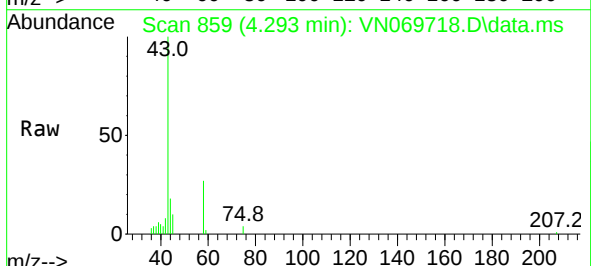
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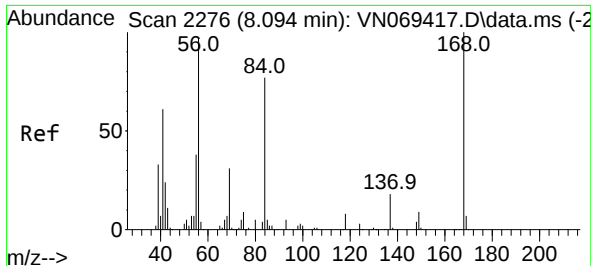
Tgt Ion: 43 Resp: 31598

Ion Ratio Lower Upper

43 100

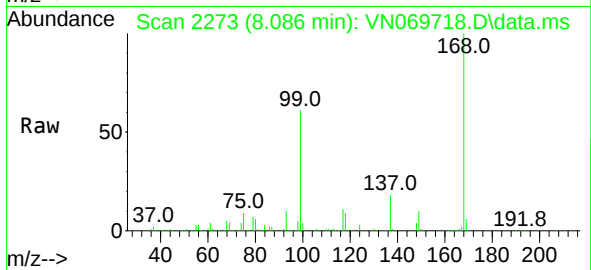
58 26.6 23.1 34.7



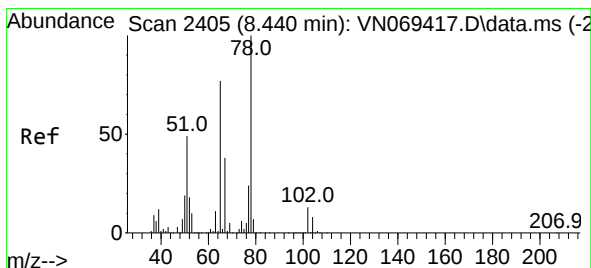
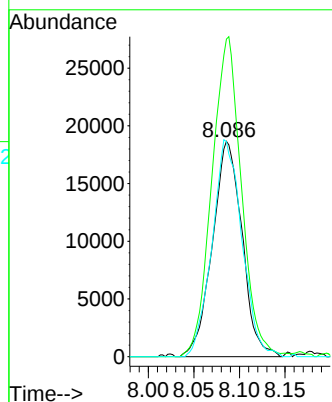
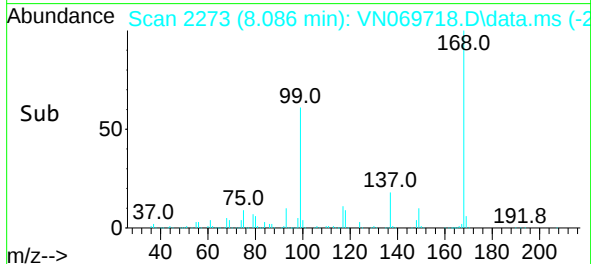


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

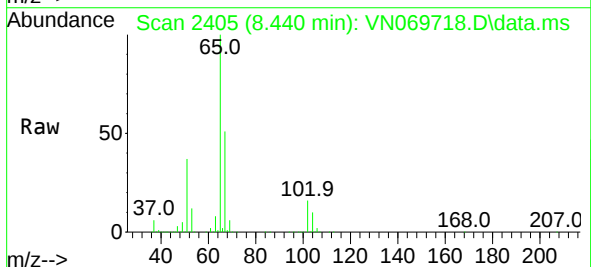
Instrument :
MSVOA_N
ClientSampleId :



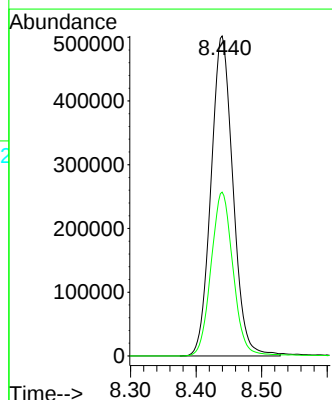
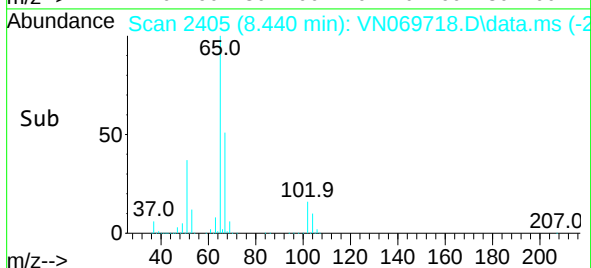
Tgt Ion: 56 Resp: 42202
Ion Ratio Lower Upper
56 100
69 147.5 27.1 40.7#
84 99.9 73.4 110.0

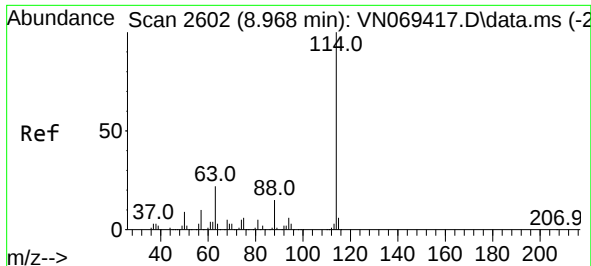


#33
1,2-Dichloroethane-d4
Concen: 47.161 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12



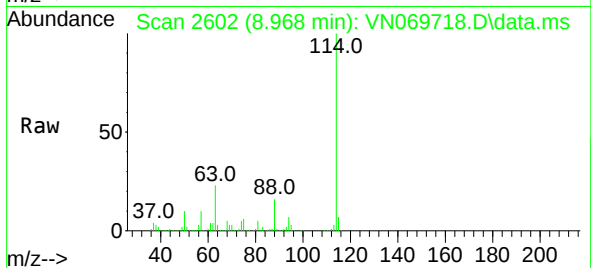
Tgt Ion: 65 Resp: 1168317
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0



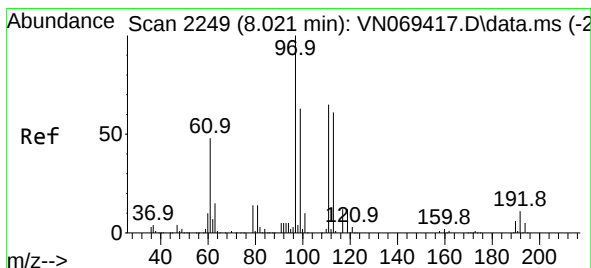
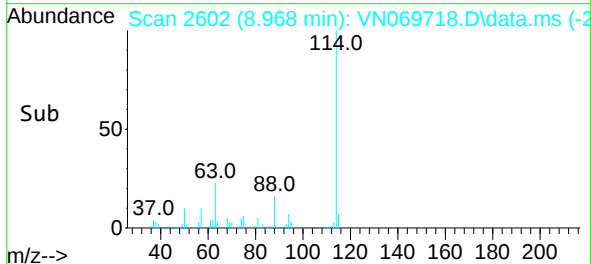
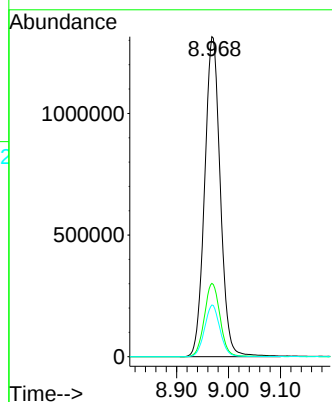


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Instrument :
MSVOA_N
ClientSampleId :

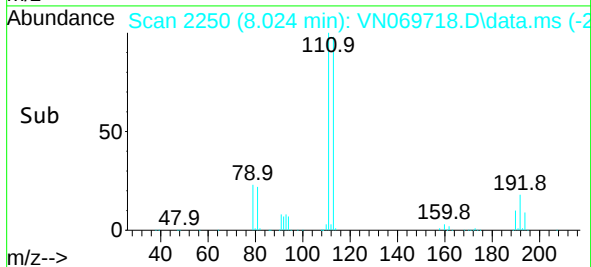
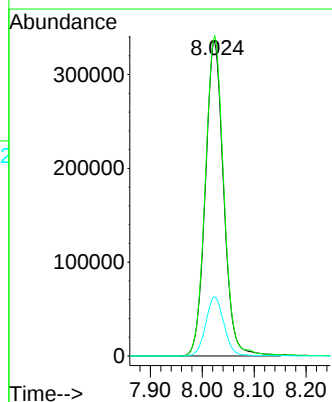
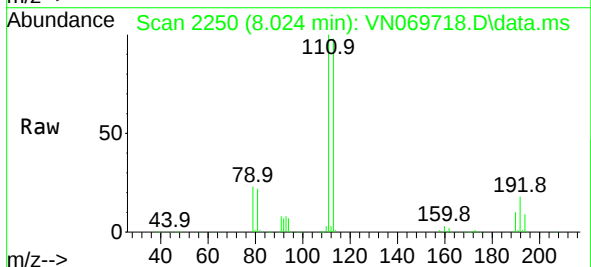


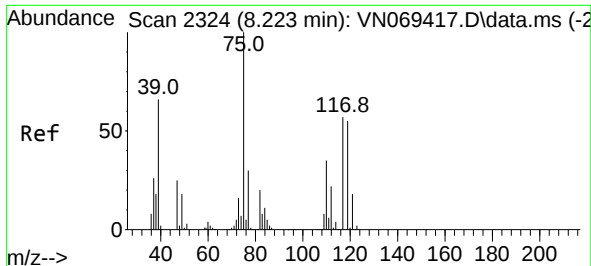
Tgt Ion:114 Resp: 2756910
Ion Ratio Lower Upper
114 100
63 22.9 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.585 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

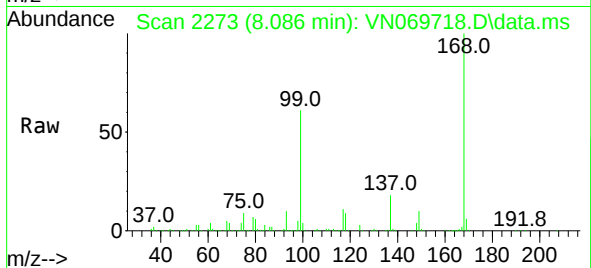
Tgt Ion:113 Resp: 821732
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.8 16.9 25.3



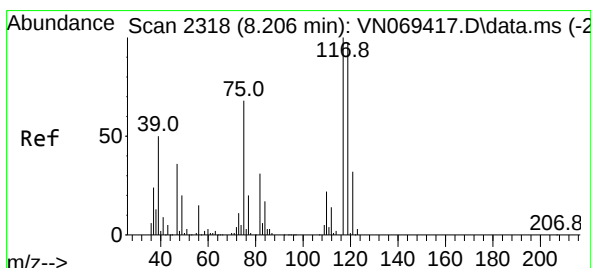
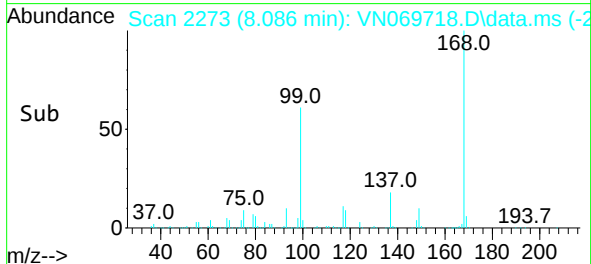
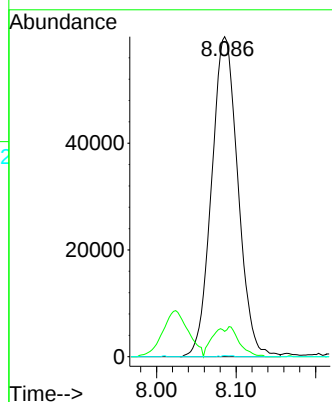


#36
1,1-Dichloropropene
Concen: 5.264 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Instrument :
MSVOA_N
ClientSampleId :

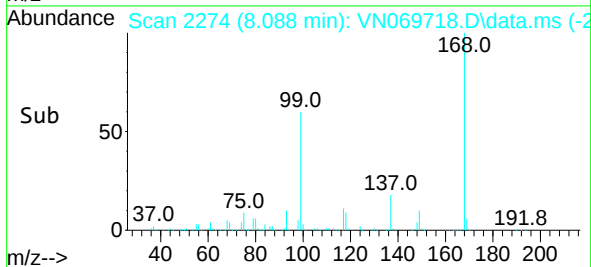
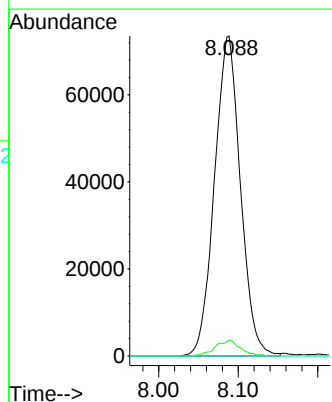
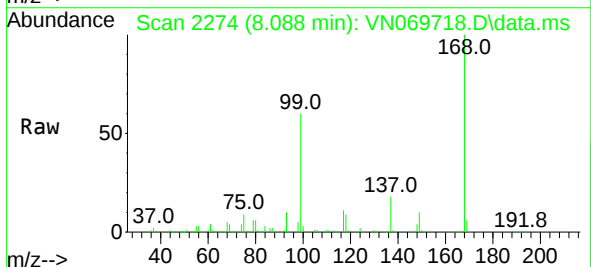


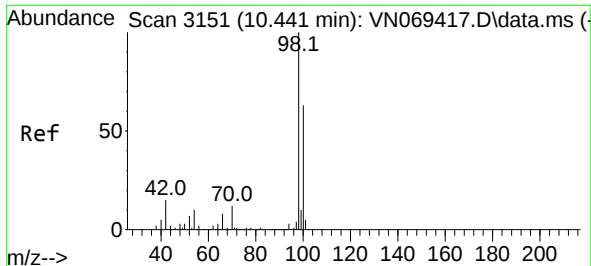
Tgt Ion: 75 Resp: 138149
Ion Ratio Lower Upper
75 100
110 4.6 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.472 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Tgt Ion: 117 Resp: 166571
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

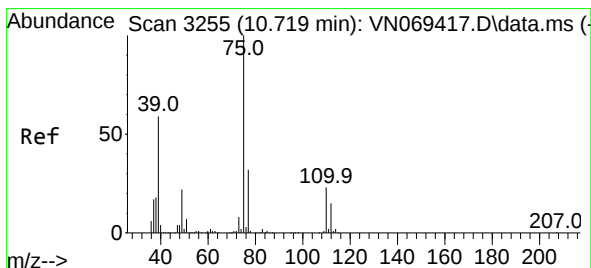
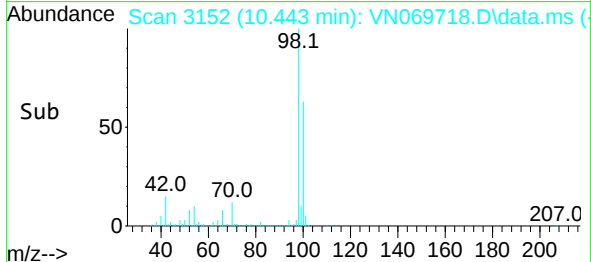
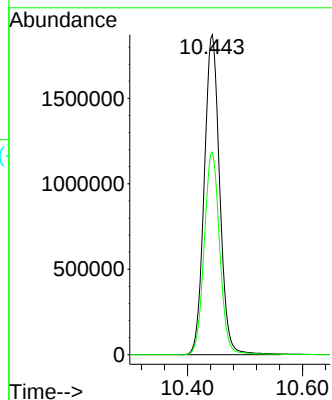
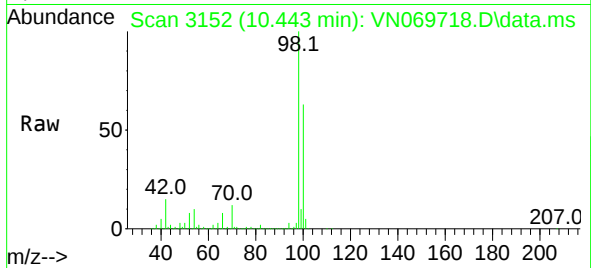




#50
Toluene-d8
Concen: 50.310 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

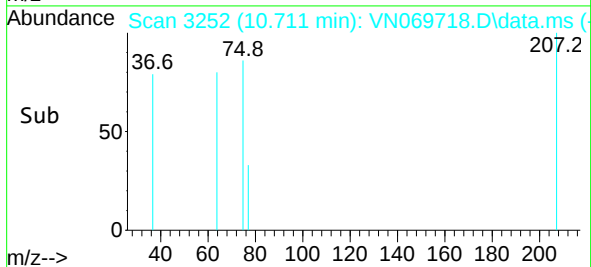
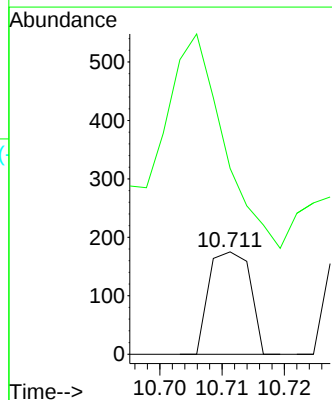
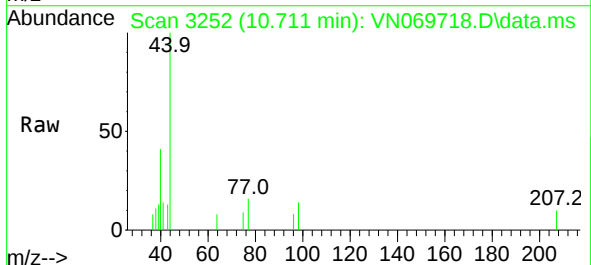
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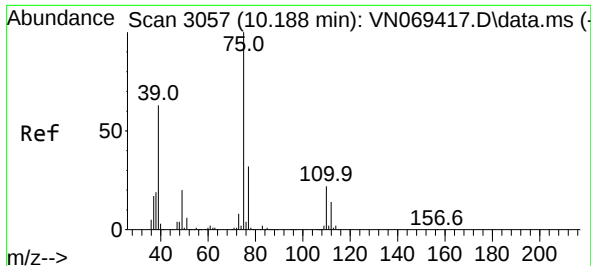
Tgt Ion: 98 Resp: 3488501
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.008 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

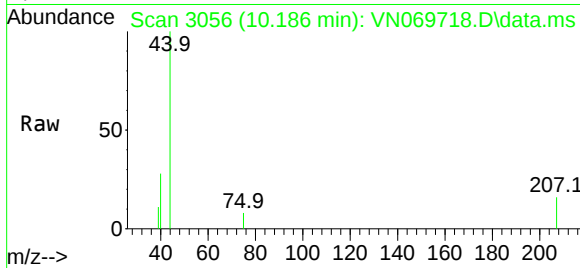
Tgt Ion: 75 Resp: 80
Ion Ratio Lower Upper
75 100
77 78.3 25.6 38.4#



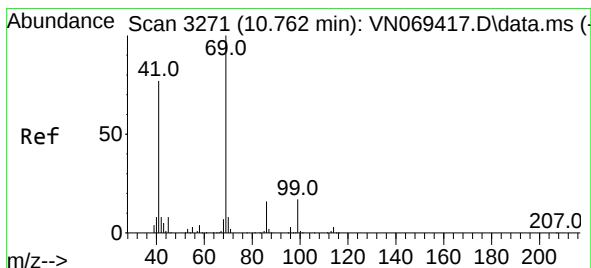
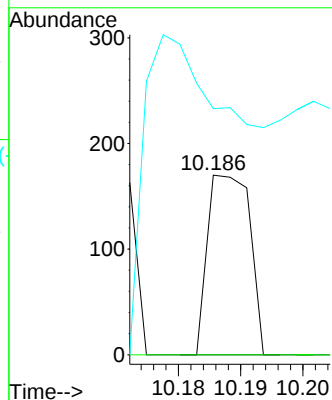
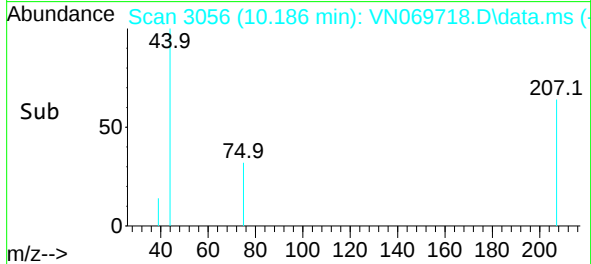


#54
 cis-1,3-Dichloropropene
 Concen: 2.001 ug/l
 RT: 10.186 min Scan# 3057
 Delta R.T. -0.005 min
 Lab File: VN069718.D
 Acq: 3 Dec 2021 15:12

Instrument :
 MSVOA_N
 ClientSampleId :

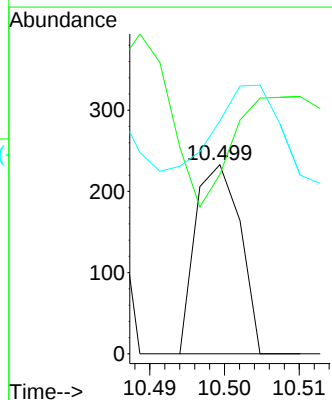
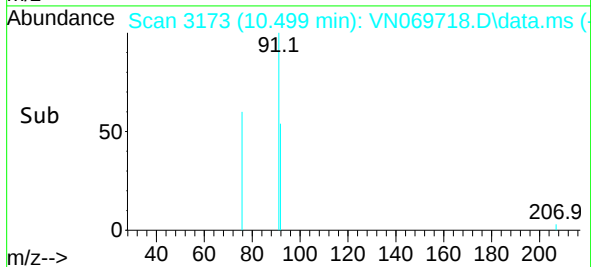
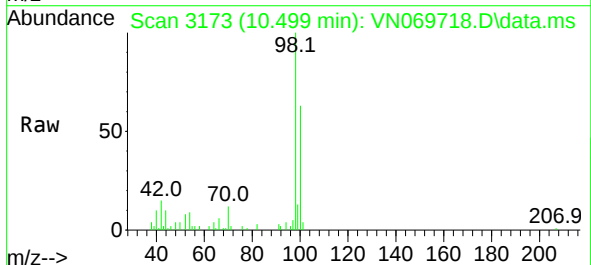


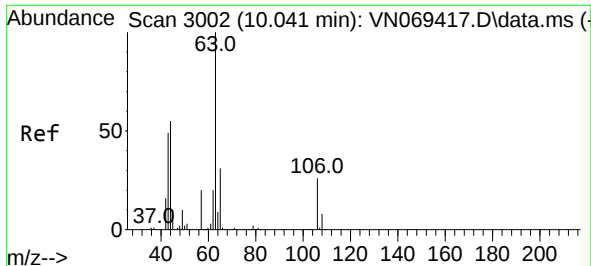
Tgt Ion: 75 Resp: 80
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 6.5 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.282 ug/l
 RT: 10.499 min Scan# 3173
 Delta R.T. -0.263 min
 Lab File: VN069718.D
 Acq: 3 Dec 2021 15:12

Tgt Ion: 69 Resp: 97
 Ion Ratio Lower Upper
 69 100
 41 200.0 51.4 77.0#
 39 90.7 34.6 52.0#

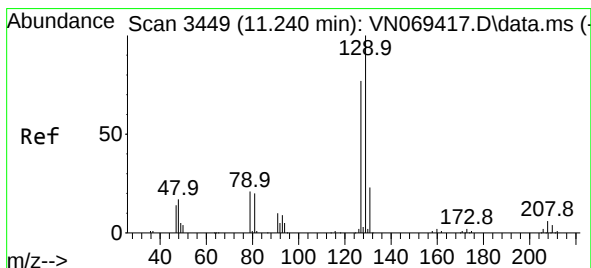
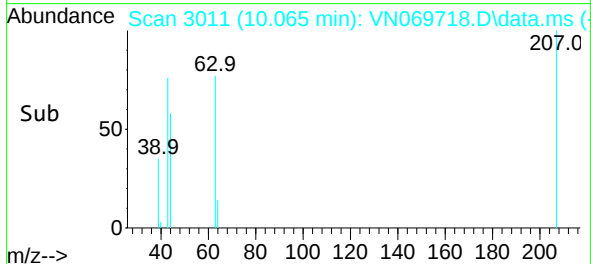
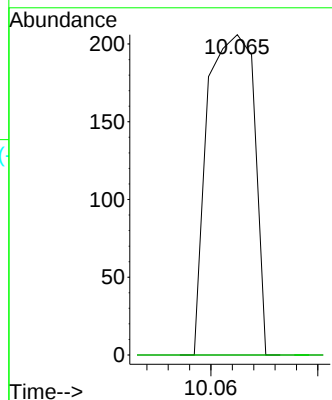
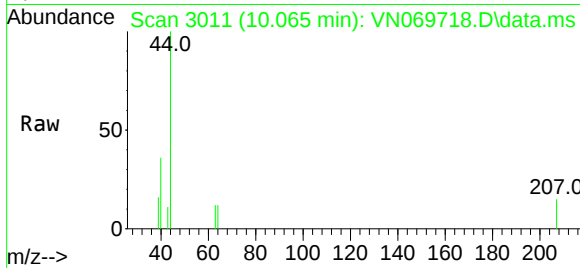




#58
2-Chloroethyl Vinyl ether
Concen: 18.400 ug/l
RT: 10.065 min Scan# 3002
Delta R.T. 0.022 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

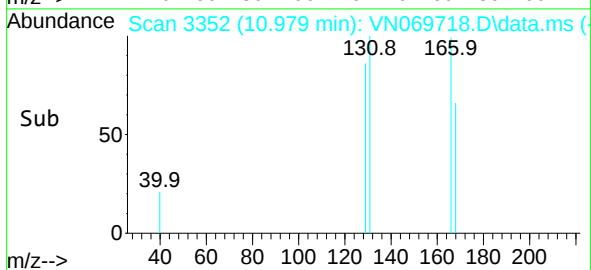
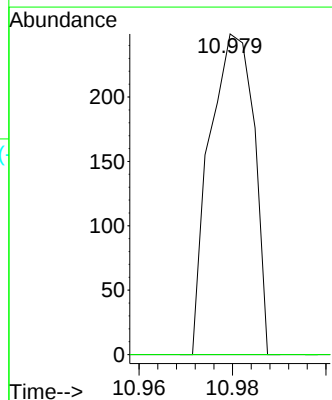
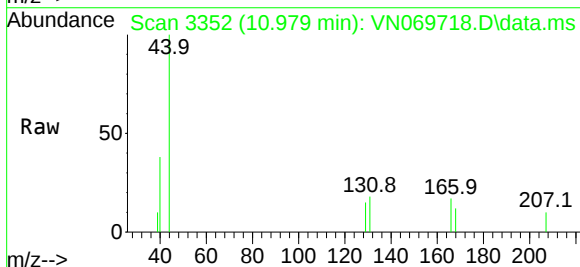
Instrument :
MSVOA_N
ClientSampleId :

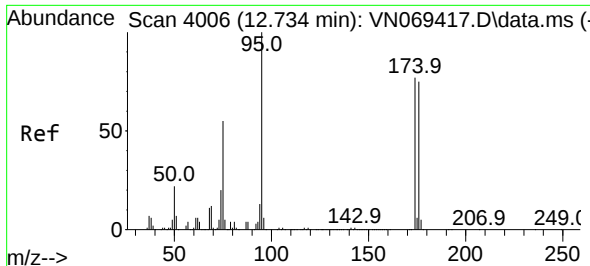
Tgt Ion: 63 Resp: 125
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Tgt Ion:129 Resp: 164
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

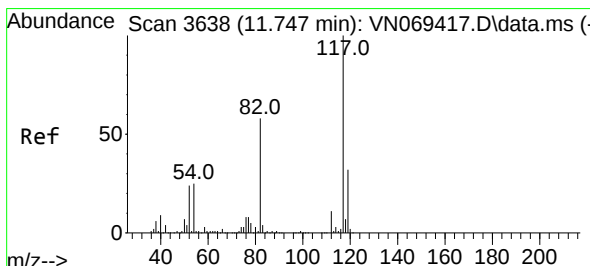
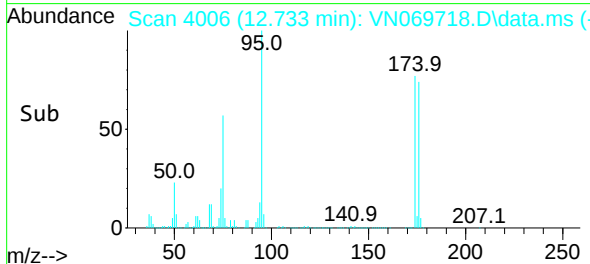
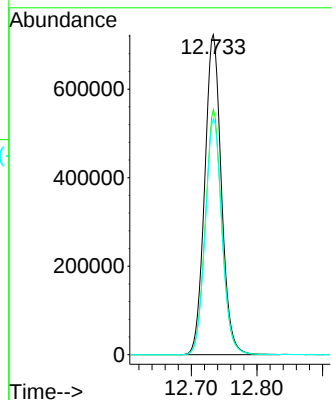
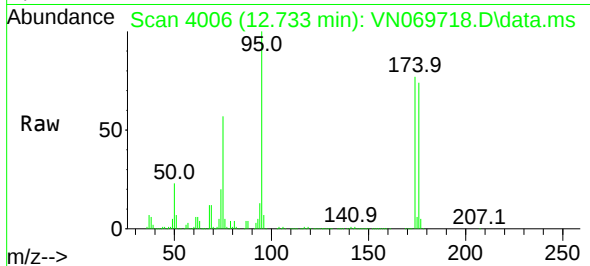




#62
4-Bromofluorobenzene
Concen: 50.792 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

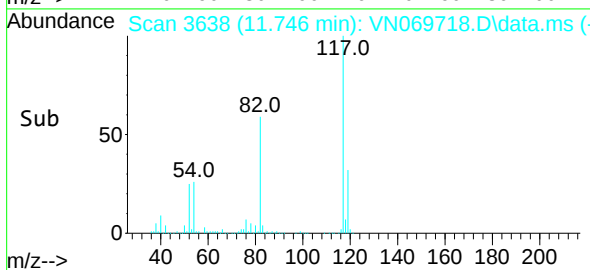
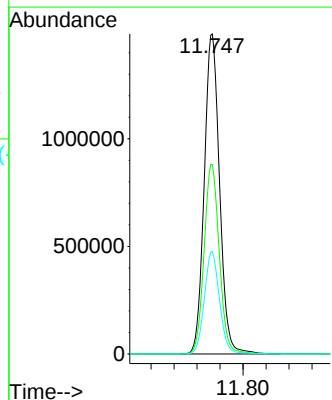
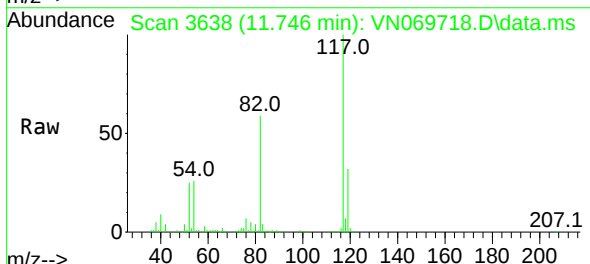
Instrument :
MSVOA_N
ClientSampleId :

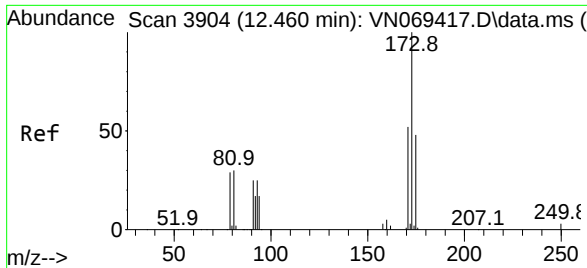
Tgt Ion: 95 Resp: 1275912
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Tgt Ion: 117 Resp: 2757290
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.0 25.4 38.2

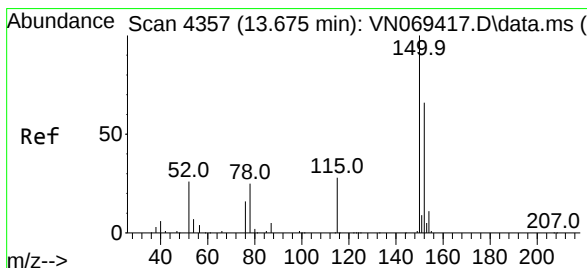
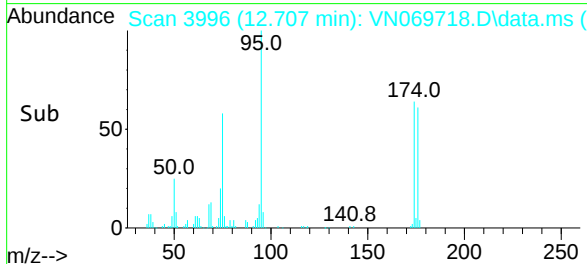
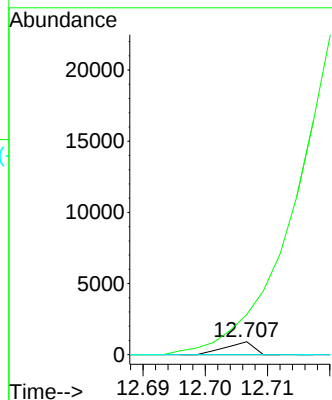
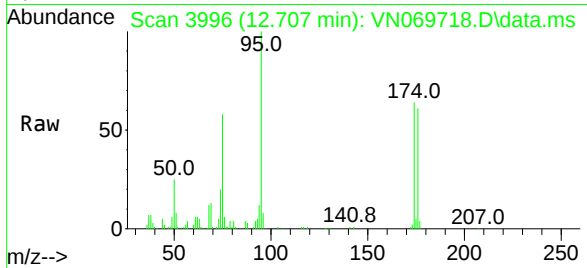




#71
Bromoform
Concen: 2.747 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

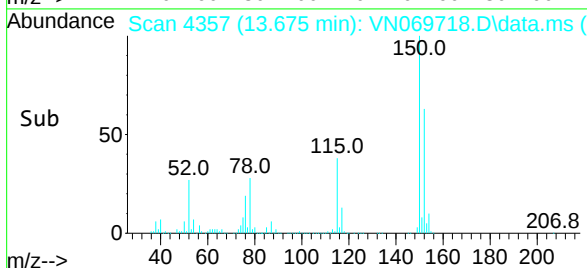
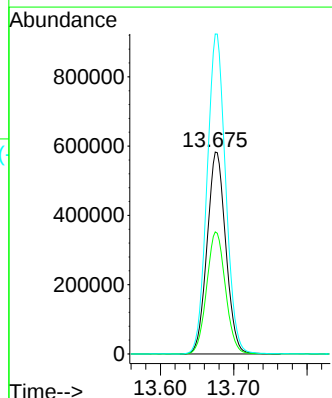
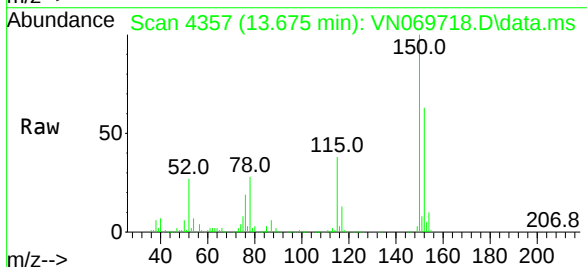
Instrument :
MSVOA_N
ClientSampleId :

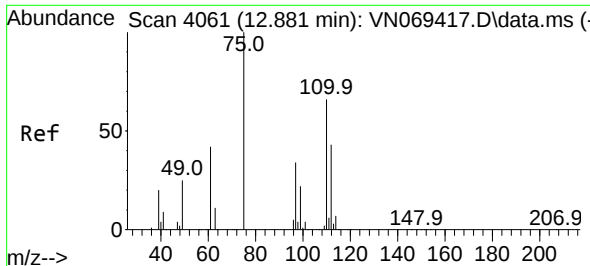
Tgt Ion:173 Resp: 287
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Tgt Ion:152 Resp: 1031450
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.6 0.0 344.4

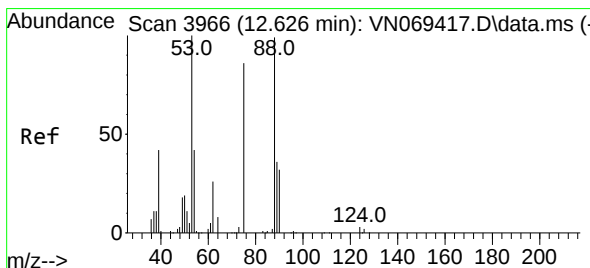
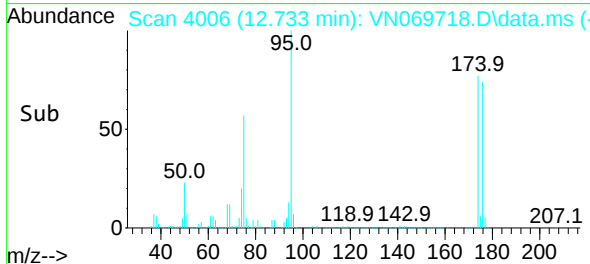
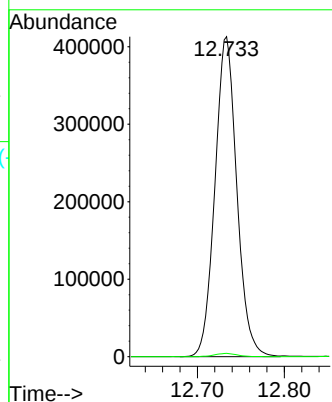
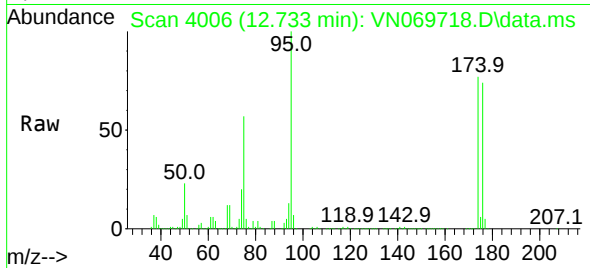




#76
1,2,3-Trichloropropane
Concen: 24.404 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

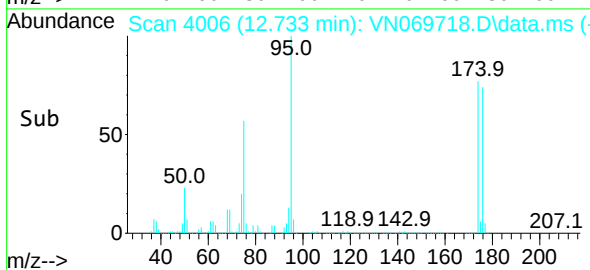
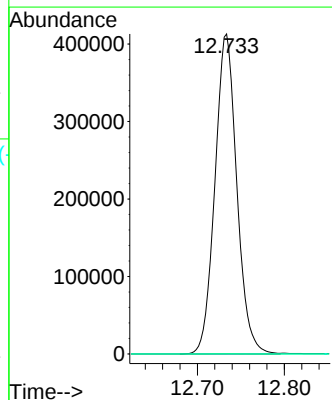
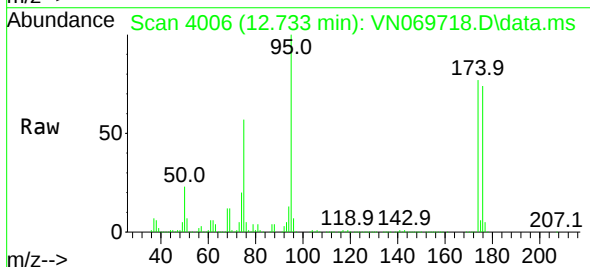
Instrument :
MSVOA_N
ClientSampleId :

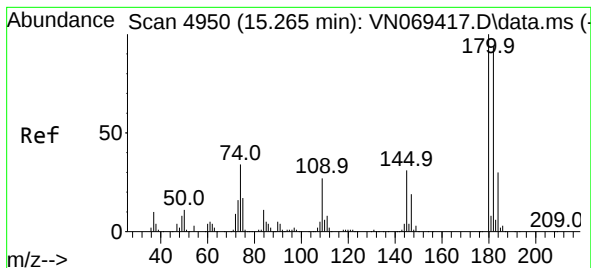
Tgt Ion: 75 Resp: 721848
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.444 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069718.D
Acq: 3 Dec 2021 15:12

Tgt Ion: 75 Resp: 721848
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.942 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

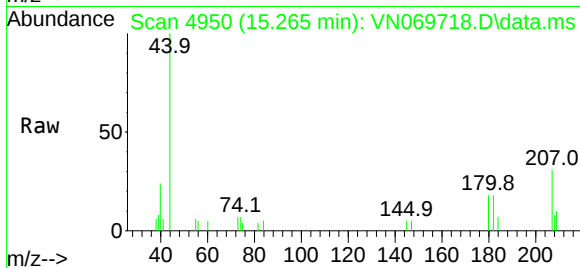
Lab File: VN069718.D

Acq: 3 Dec 2021 15:12

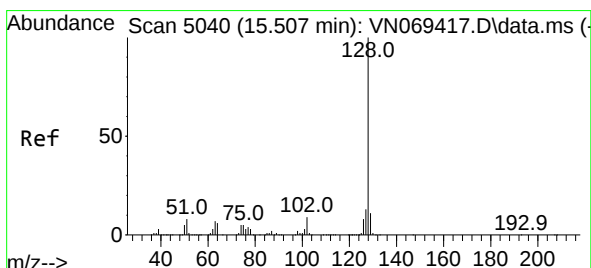
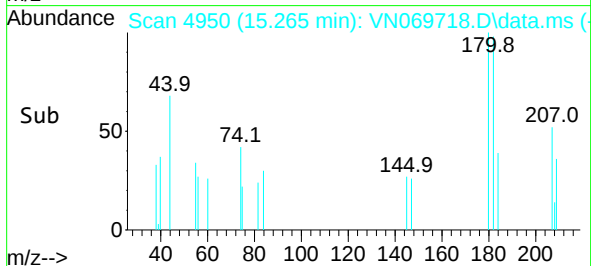
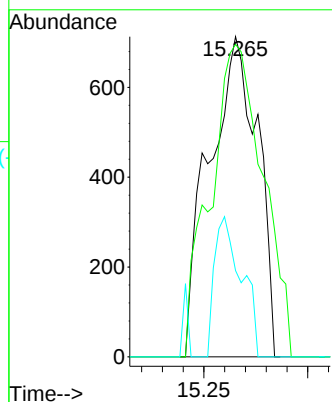
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	1155
Ion Ratio	Lower	Upper	
180	100		
182	105.9	48.3	144.9
145	24.4	14.5	43.5



#95

Naphthalene

Concen: 4.083 ug/l

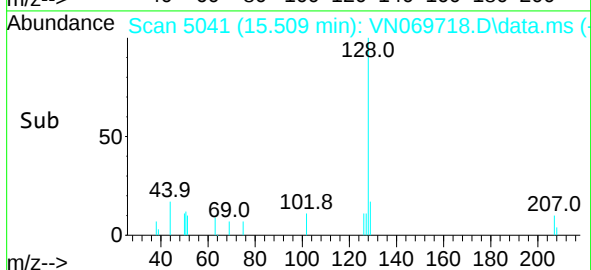
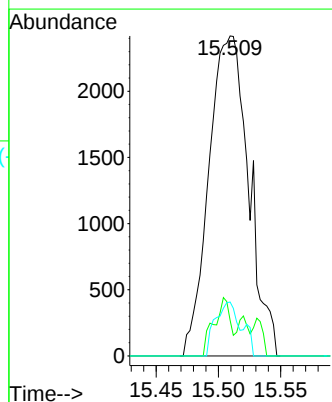
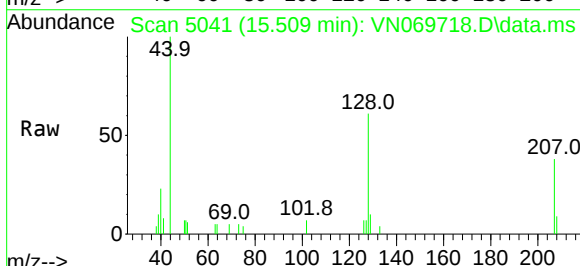
RT: 15.509 min Scan# 5041

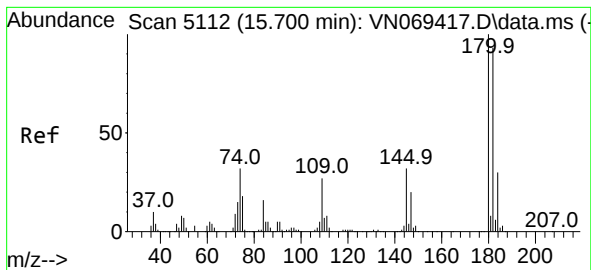
Delta R.T. 0.002 min

Lab File: VN069718.D

Acq: 3 Dec 2021 15:12

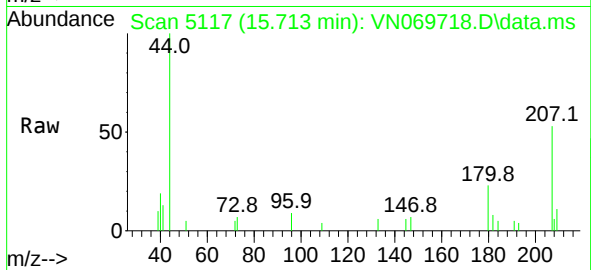
Tgt Ion:	128	Resp:	5366
Ion Ratio	Lower	Upper	
128	100		
127	7.5	10.5	15.7#
129	11.1	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.517 ug/l
 RT: 15.713 min Scan# 51
 Delta R.T. 0.011 min
 Lab File: VN069718.D
 Acq: 3 Dec 2021 15:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1416
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 1.8 15.0 45.1#

