

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069741.D
 Acq On : 4 Dec 2021 1:50
 Operator : JC/MD
 Sample : M4922-12 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:40:35 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)

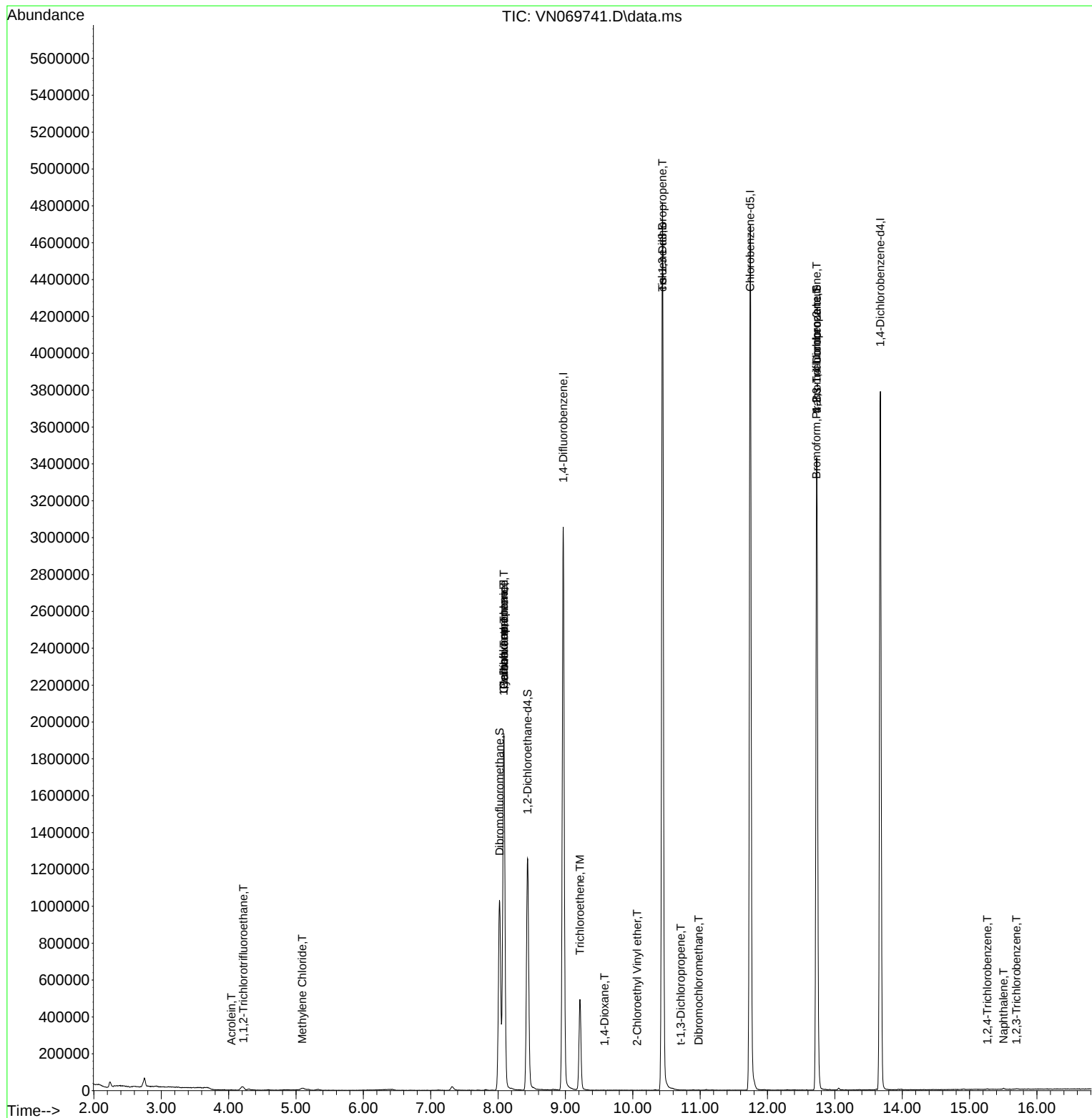
Internal Standards						
1) Pentafluorobenzene	8.086	168	1440906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2552830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2634685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1000481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1100529	49.467	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.940%
35) Dibromofluoromethane	8.021	113	756386	47.303	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.600%
50) Toluene-d8	10.440	98	3262749	50.816	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.731	95	1227759	52.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.560%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.218	101	9512	0.668	ug/l #	49
13) Acrolein	4.041	56	831	0.232	ug/l	99
20) Methylene Chloride	5.093	84	3988	0.224	ug/l	94
31) Cyclohexane	8.088	56	38520	1.244	ug/l #	25
36) 1,1-Dichloropropene	8.083	75	124924	5.140	ug/l #	49
38) Carbon Tetrachloride	8.086	117	146816	6.161	ug/l #	16
44) Trichloroethene	9.215	130	169385	9.554	ug/l	90
49) 1,4-Dioxane	9.580	88	171	0.382	ug/l #	31
53) t-1,3-Dichloropropene	10.711	75	65	2.796	ug/l #	66
54) cis-1,3-Dichloropropene	10.440	75	1017	2.030	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.065	63	52	18.394	ug/l #	45
60) Dibromochloromethane	10.977	129	179	2.385	ug/l #	11
71) Bromoform	12.726	173	2191	2.860	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	693069	24.156	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	693069	76.699	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	730	2.920	ug/l #	86
95) Naphthalene	15.504	128	4762	4.075	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.694	180	385	2.458	ug/l	63

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

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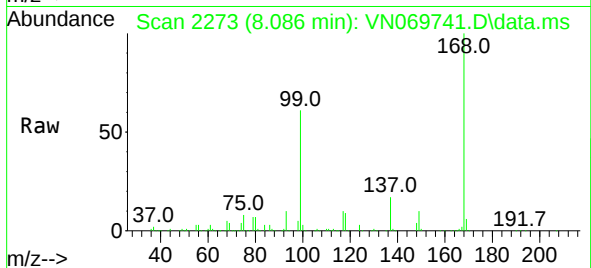
Quant Time: Dec 04 05:40:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



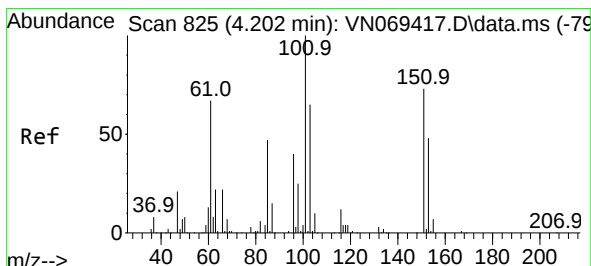
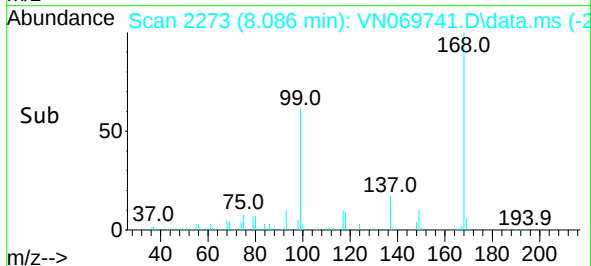
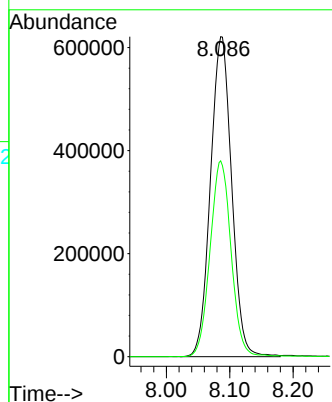


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

Instrument :
MSVOA_N
ClientSampleId :

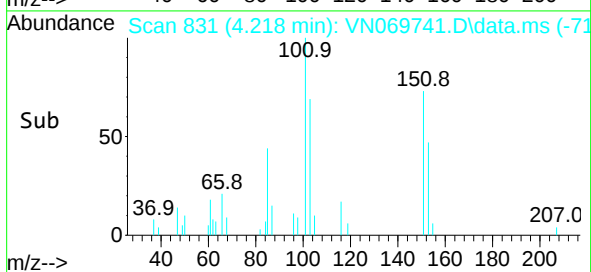
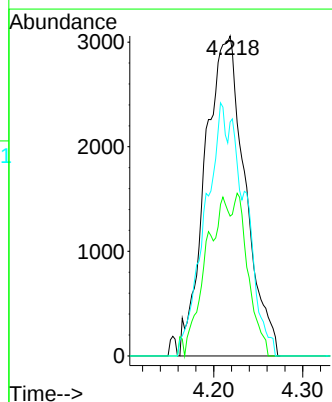
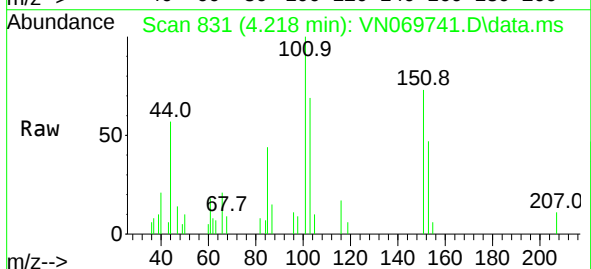


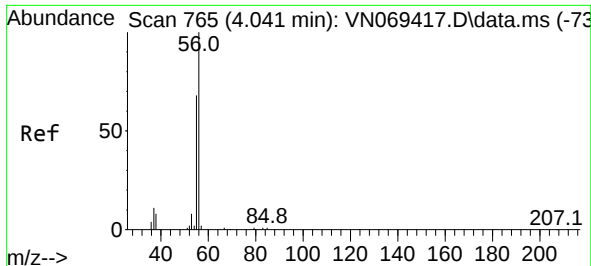
Tgt Ion:168 Resp: 1440906
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.668 ug/l
RT: 4.218 min Scan# 831
Delta R.T. 0.016 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

Tgt Ion:101 Resp: 9512
Ion Ratio Lower Upper
101 100
85 3.4 37.2 55.8#
151 44.2 65.9 98.9#

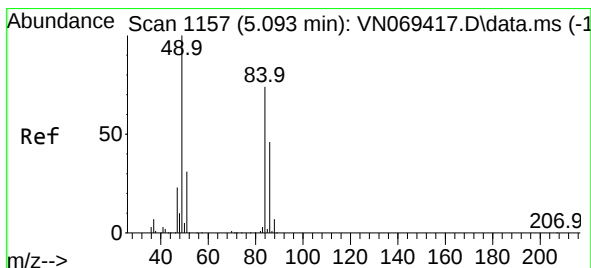
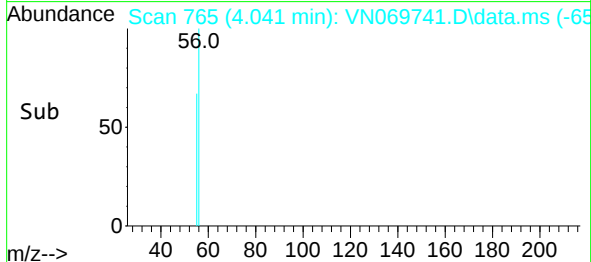
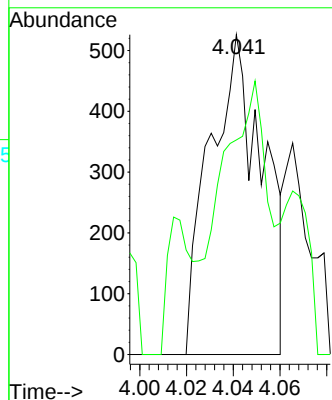
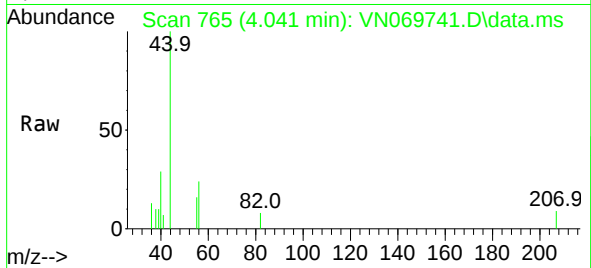




#13
Acrolein
Concen: 0.232 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

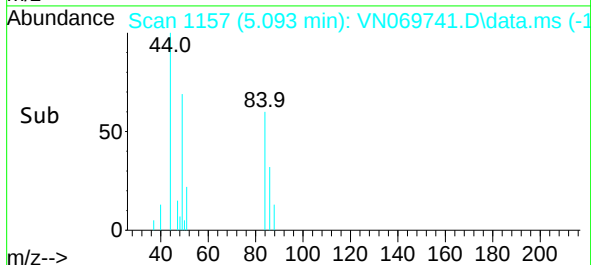
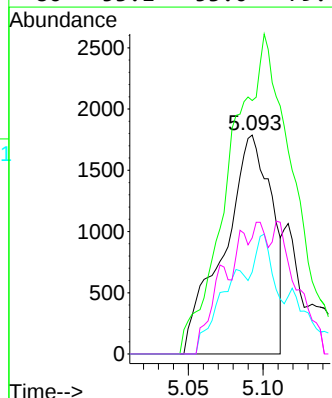
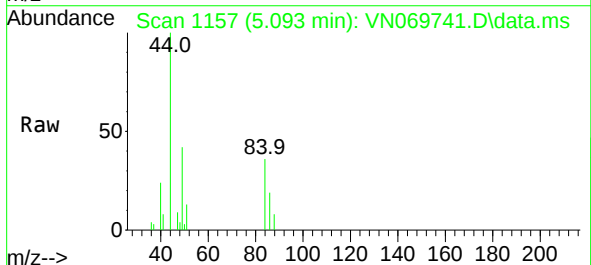
Instrument :
MSVOA_N
ClientSampleId :

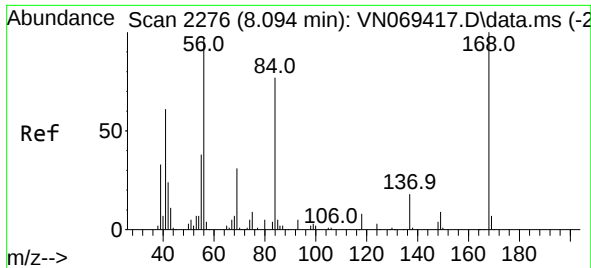
Tgt Ion: 56 Resp: 831
Ion Ratio Lower Upper
56 100
55 72.0 56.6 85.0



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

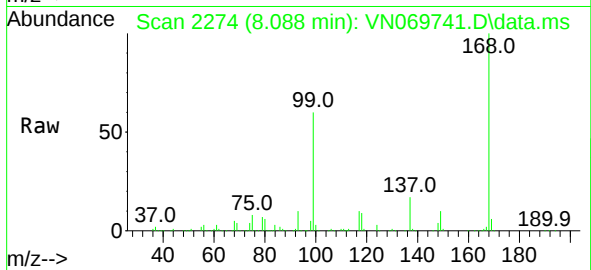
Tgt Ion: 84 Resp: 3988
Ion Ratio Lower Upper
84 100
49 115.8 93.5 140.3
51 37.4 29.4 44.2
86 53.1 53.0 79.4



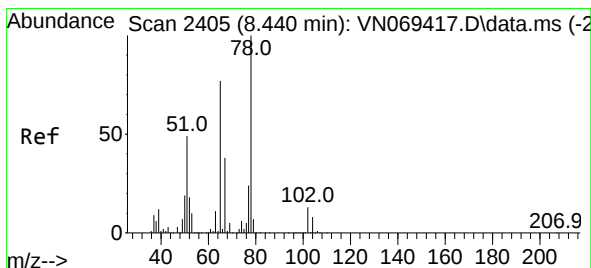
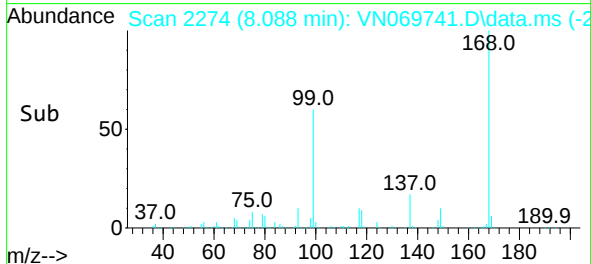
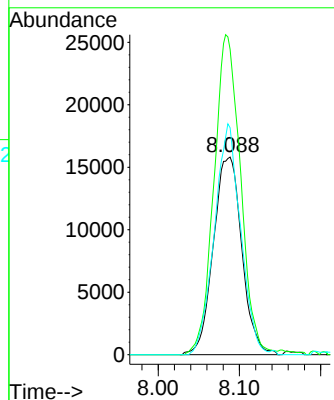


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

Instrument :
MSVOA_N
ClientSampleId :

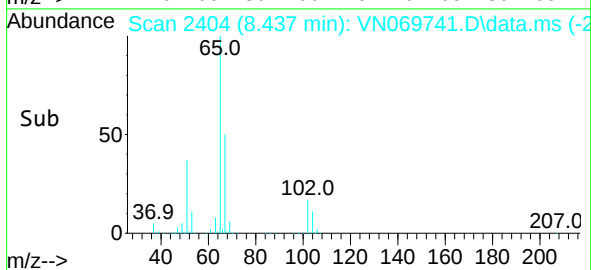
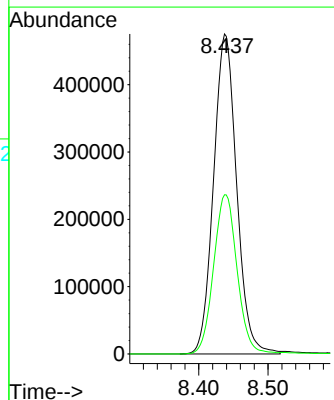
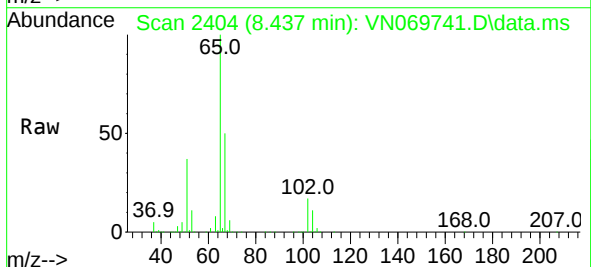


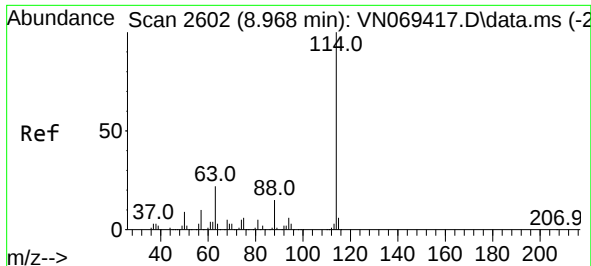
Tgt Ion: 56 Resp: 38520
Ion Ratio Lower Upper
56 100
69 154.4 27.1 40.7#
84 114.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.467 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

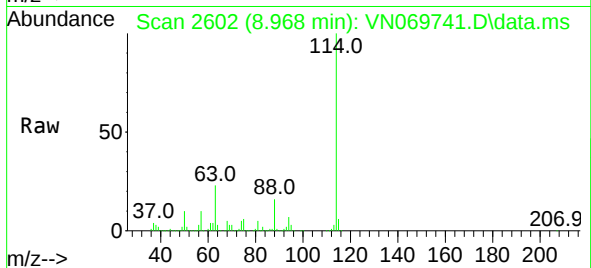
Tgt Ion: 65 Resp: 1100529
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



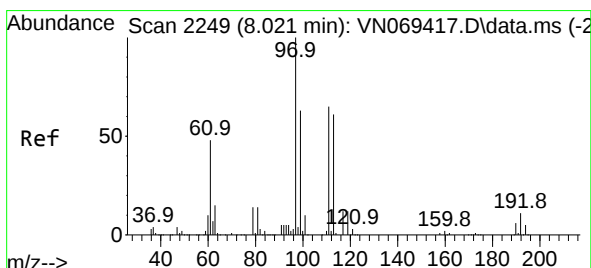
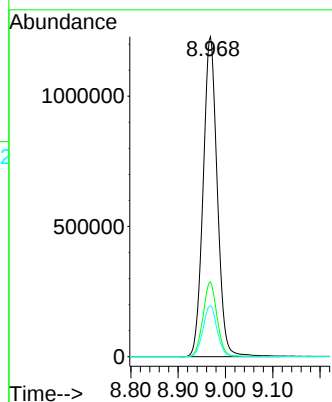
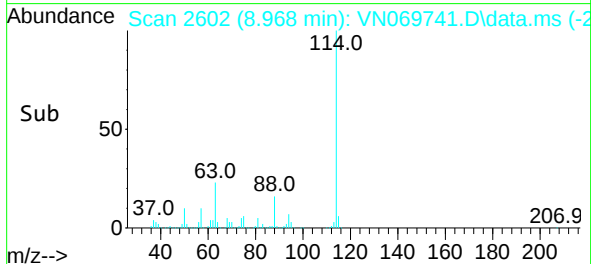


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

Instrument :
MSVOA_N
ClientSampleId :

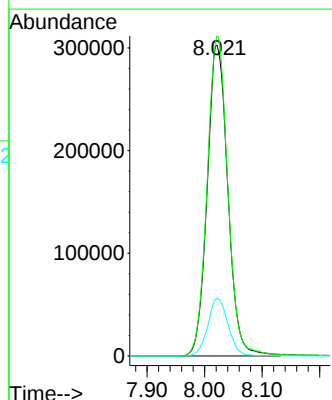
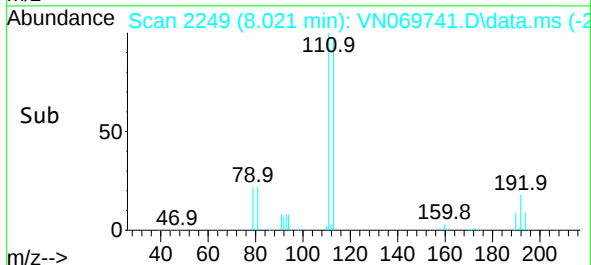
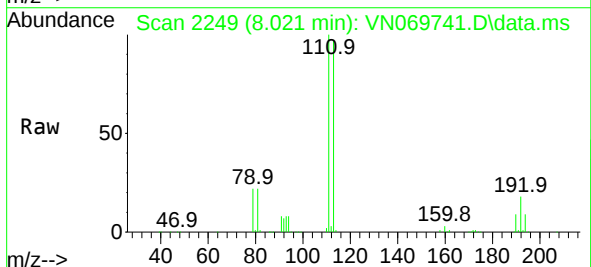


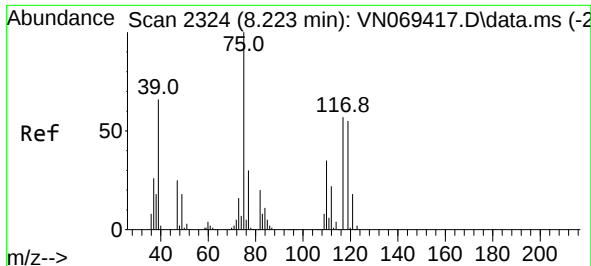
Tgt Ion:114 Resp: 2552830
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.303 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.002 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

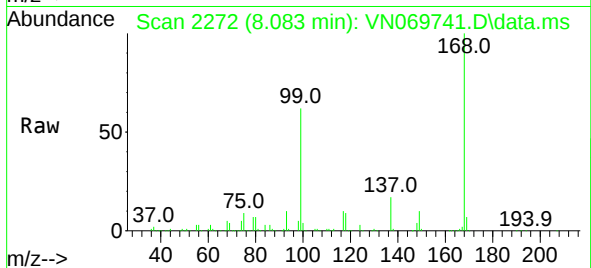
Tgt Ion:113 Resp: 756386
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.2 16.9 25.3



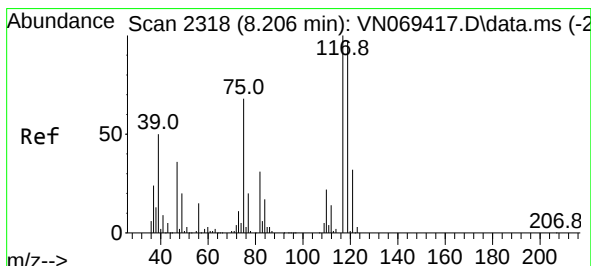
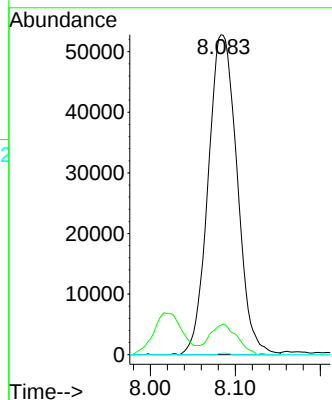
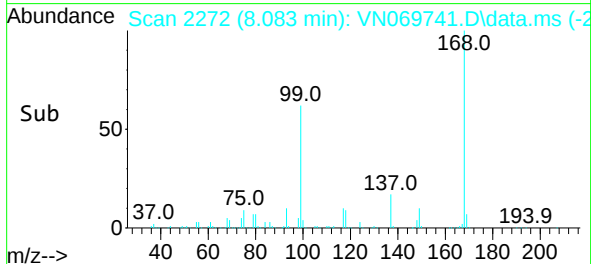


#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.139 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

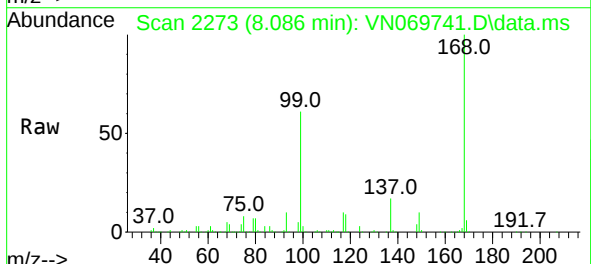
Instrument :
MSVOA_N
ClientSampleId :



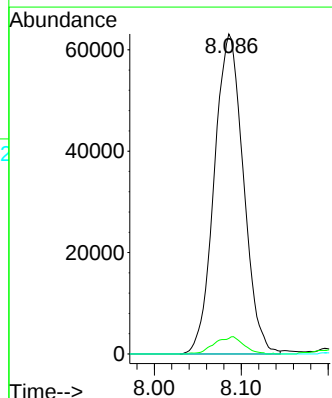
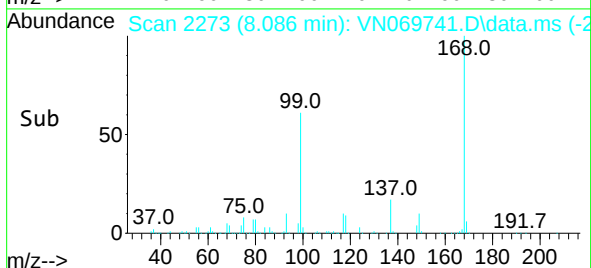
Tgt Ion: 75 Resp: 124924
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.2 24.4 36.6#

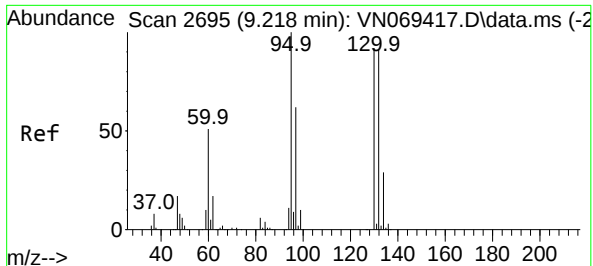


#38
Carbon Tetrachloride
Concen: 6.161 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50



Tgt Ion: 117 Resp: 146816
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

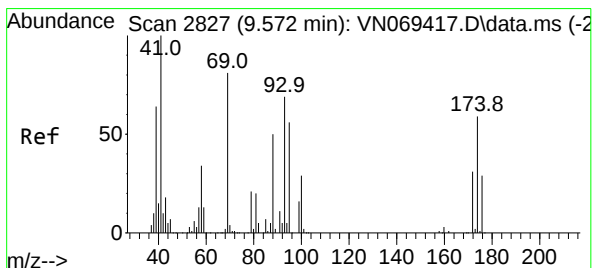
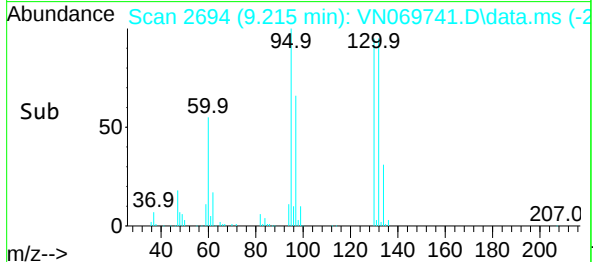
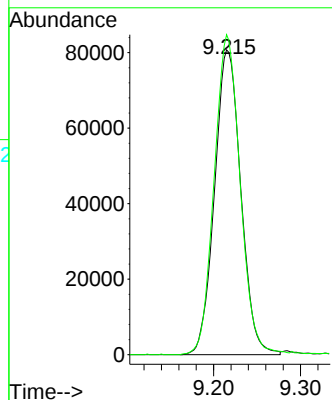
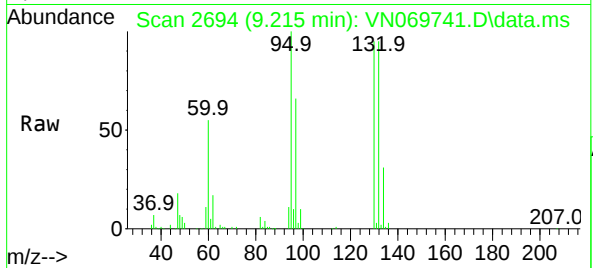




#44
Trichloroethene
Concen: 9.554 ug/l
RT: 9.215 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

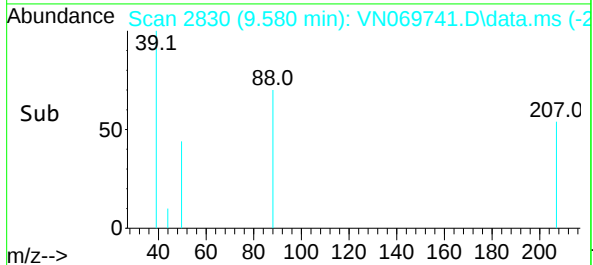
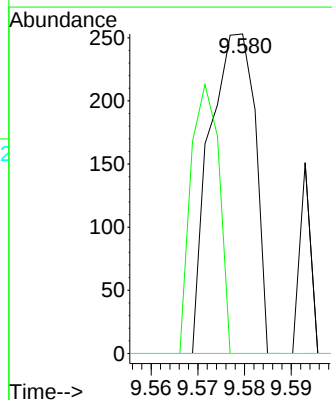
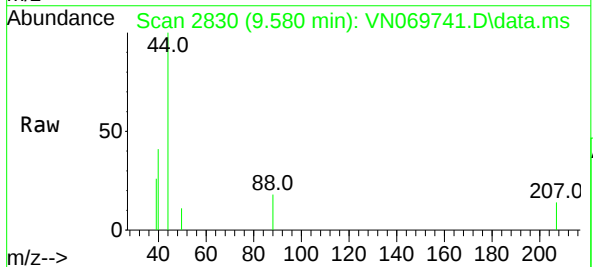
Instrument :
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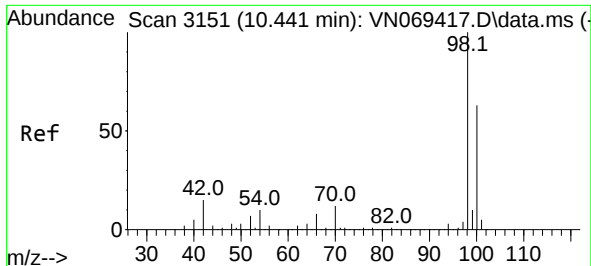
Tgt Ion:130 Resp: 169385
Ion Ratio Lower Upper
130 100
95 105.0 0.0 191.2



#49
1,4-Dioxane
Concen: 0.382 ug/l
RT: 9.580 min Scan# 2830
Delta R.T. 0.008 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

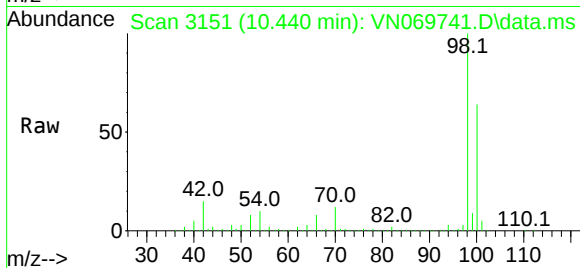
Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 52.0 23.4 35.2#
58 0.0 50.6 75.8#



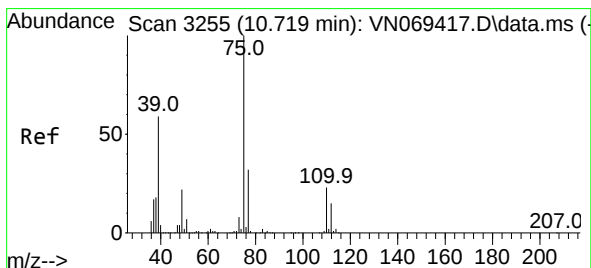
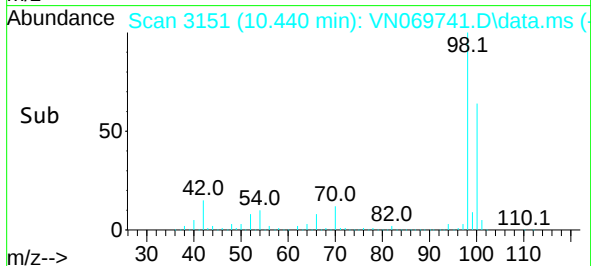
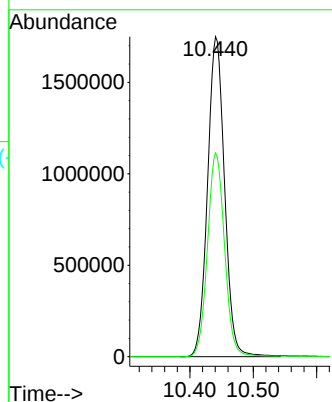


#50
Toluene-d8
Concen: 50.816 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

Instrument :
MSVOA_N
ClientSampleId :

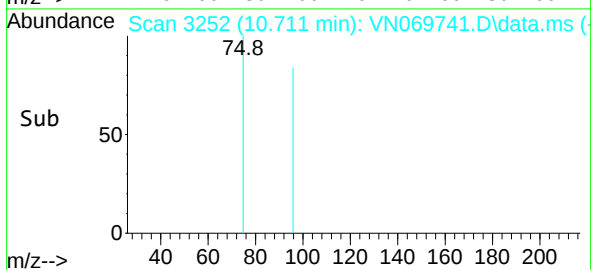
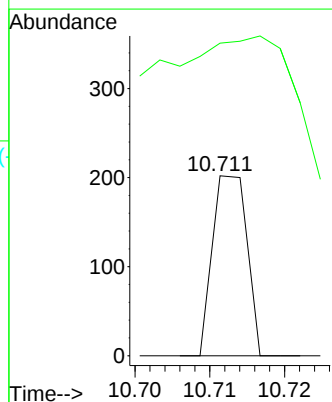
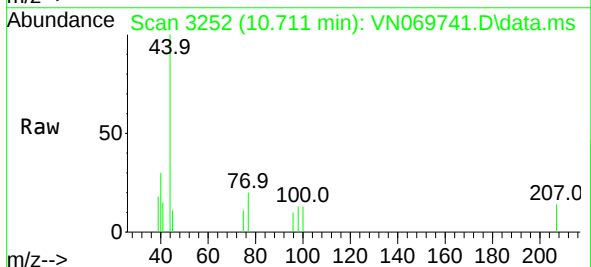


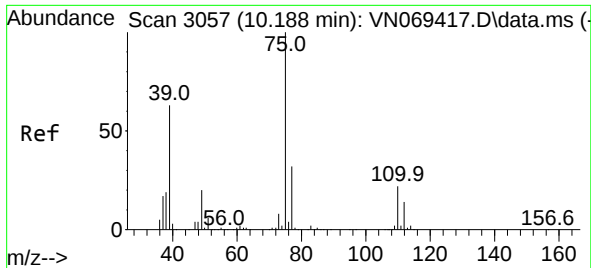
Tgt Ion: 98 Resp: 3262749
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.008 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

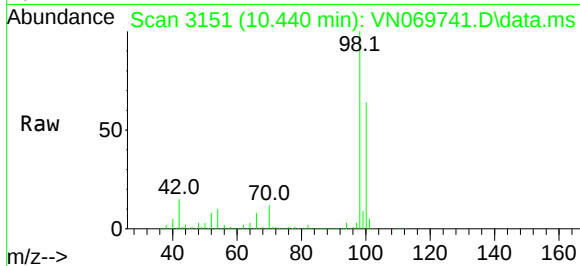
Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
77 12.9 25.6 38.4#



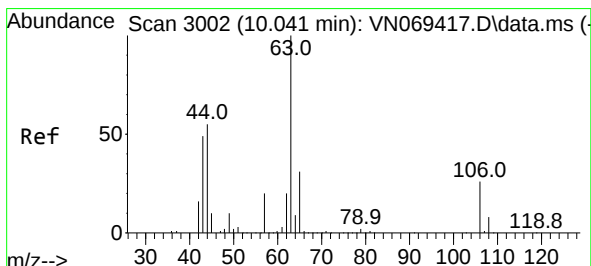
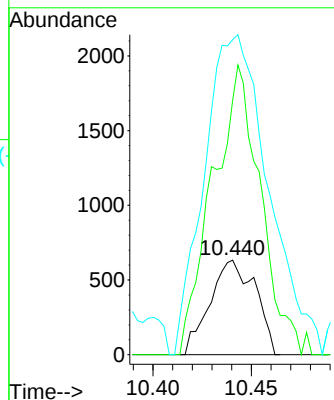
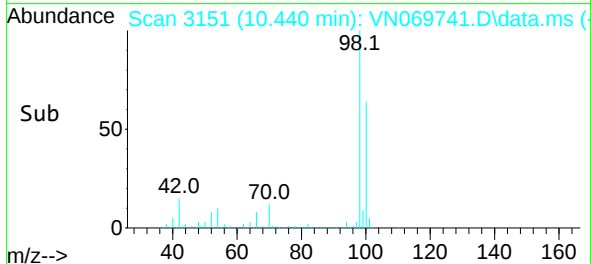


#54
 cis-1,3-Dichloropropene
 Concen: 2.030 ug/l
 RT: 10.440 min Scan# 3151
 Delta R.T. 0.249 min
 Lab File: VN069741.D
 Acq: 4 Dec 2021 1:50

Instrument :
 MSVOA_N
 ClientSampleId :

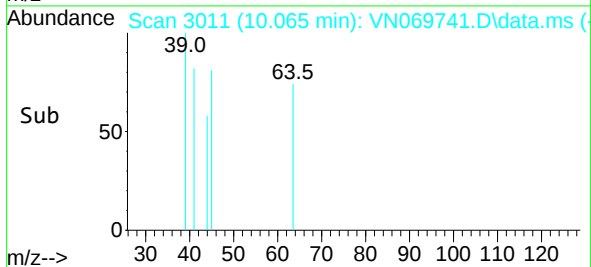
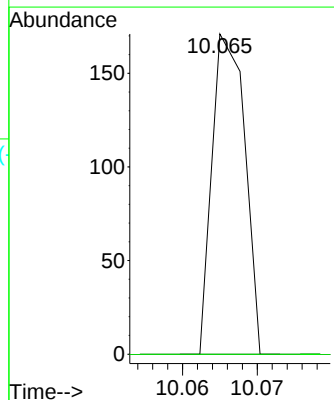
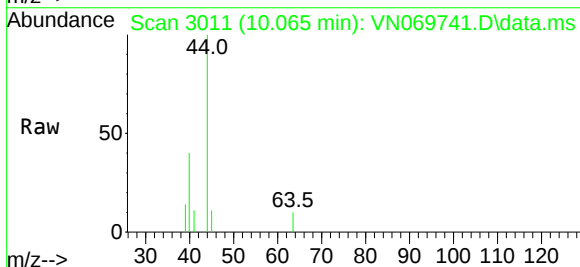


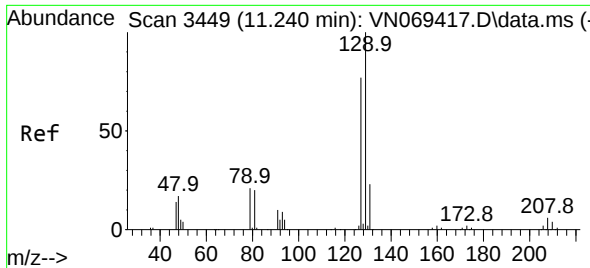
Tgt Ion: 75 Resp: 1017
 Ion Ratio Lower Upper
 75 100
 77 269.2 26.4 39.6#
 39 293.4 42.5 63.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.394 ug/l
 RT: 10.065 min Scan# 3011
 Delta R.T. 0.022 min
 Lab File: VN069741.D
 Acq: 4 Dec 2021 1:50

Tgt Ion: 63 Resp: 52
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

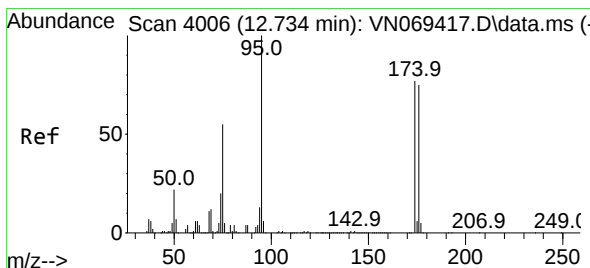
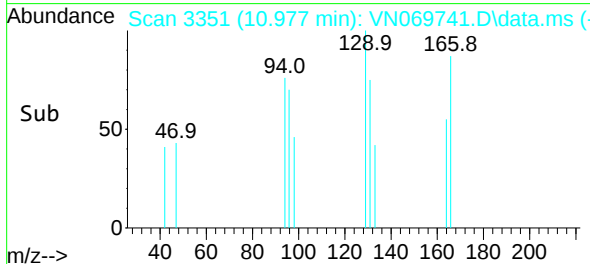
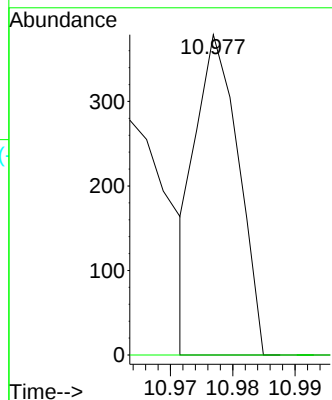
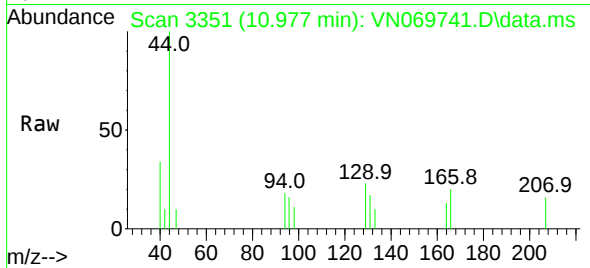




#60
Dibromochloromethane
Concen: 2.385 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

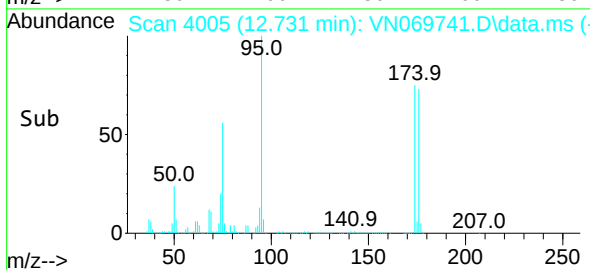
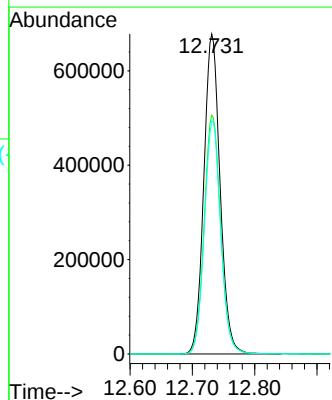
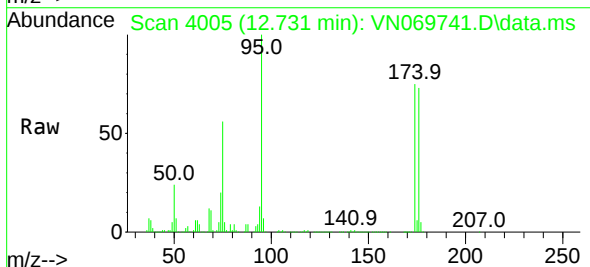
Instrument :
MSVOA_N
ClientSampleId :

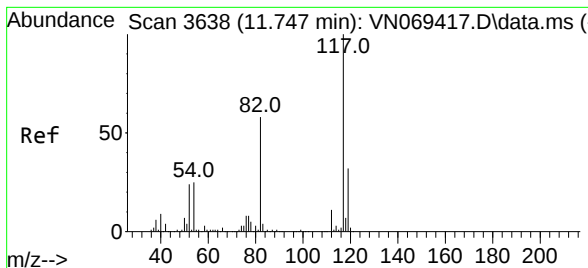
Tgt Ion:129 Resp: 179
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 52.783 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

Tgt Ion: 95 Resp: 1227759
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.002 min

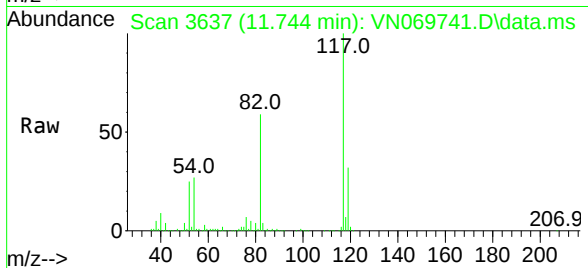
Lab File: VN069741.D

Acq: 4 Dec 2021 1:50

Instrument :

MSVOA_N

ClientSampleId :



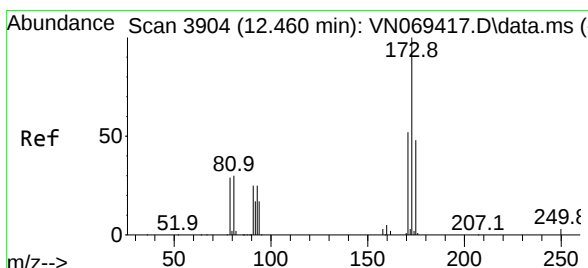
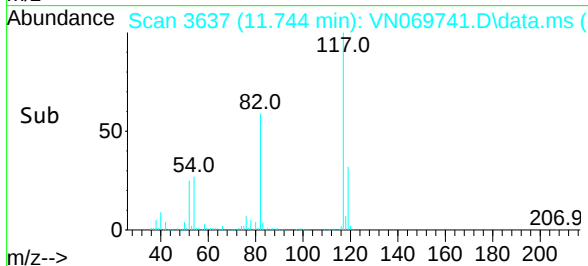
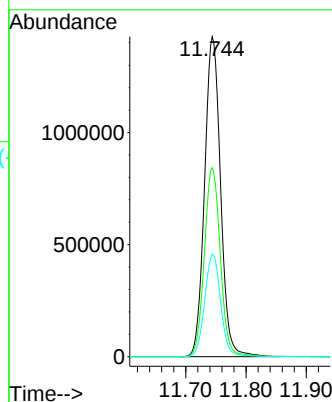
Tgt Ion:117 Resp: 2634685

Ion Ratio Lower Upper

117 100

82 59.1 42.4 63.6

119 32.0 25.4 38.2



#71

Bromoform

Concen: 2.860 ug/l

RT: 12.726 min Scan# 4003

Delta R.T. 0.266 min

Lab File: VN069741.D

Acq: 4 Dec 2021 1:50

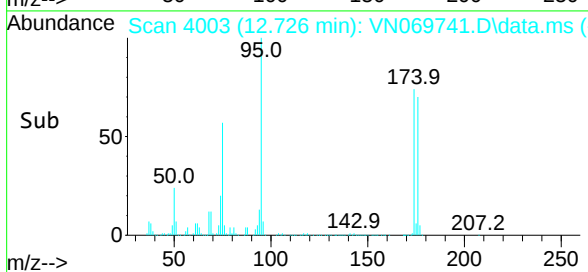
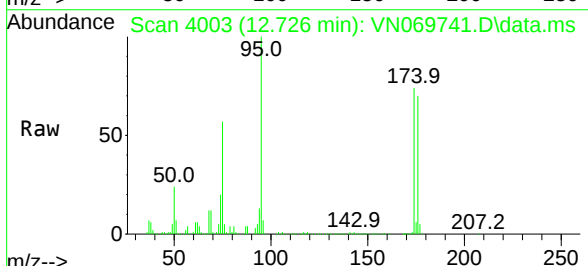
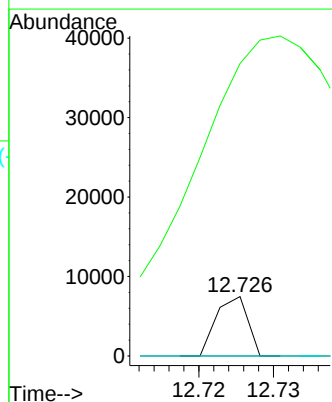
Tgt Ion:173 Resp: 2191

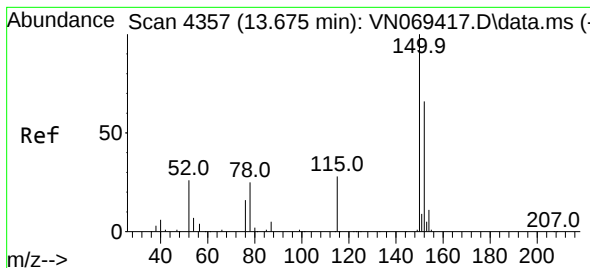
Ion Ratio Lower Upper

173 100

175 3051.0 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# 41

Delta R.T. -0.002 min

Lab File: VN069741.D

Acq: 4 Dec 2021 1:50

Instrument :

MSVOA_N

ClientSampleId :

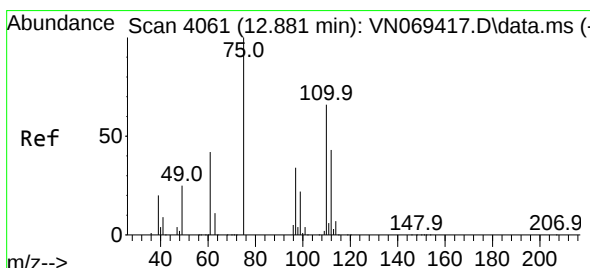
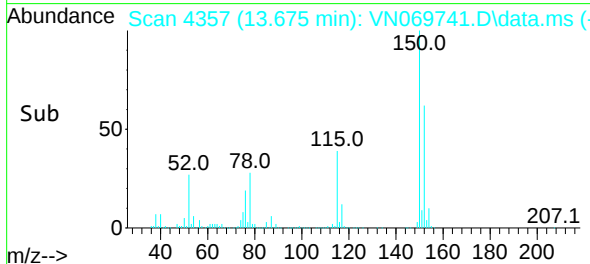
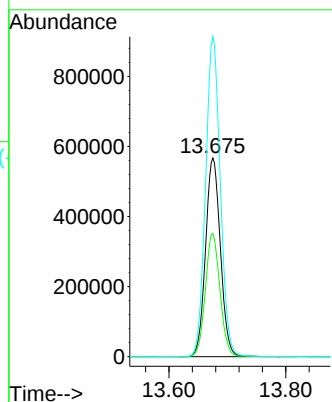
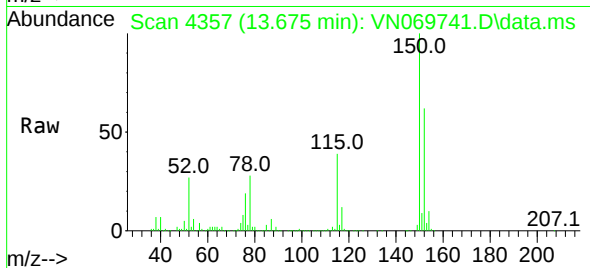
Tgt Ion:152 Resp: 1000481

Ion Ratio Lower Upper

152 100

115 61.0 27.5 82.5

150 159.6 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 24.156 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069741.D

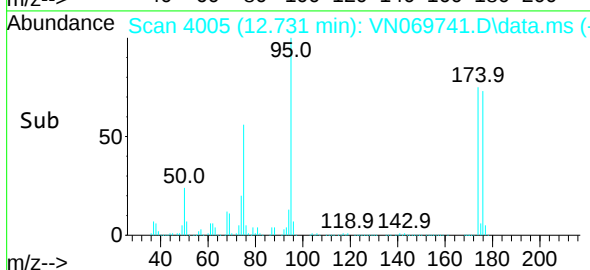
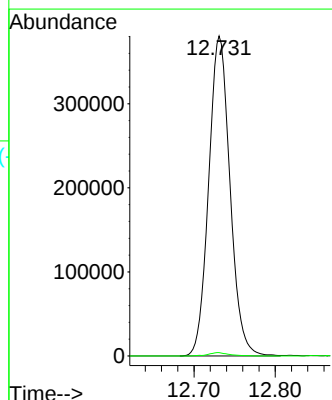
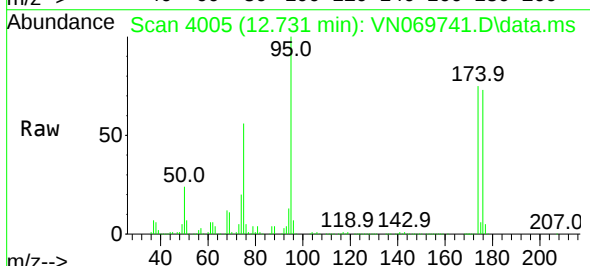
Acq: 4 Dec 2021 1:50

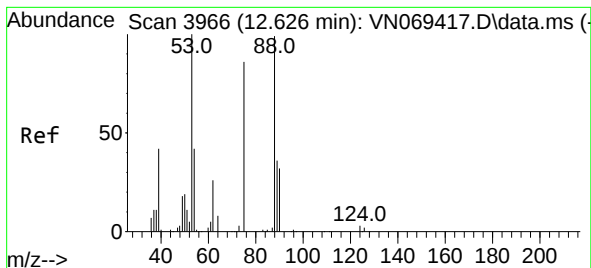
Tgt Ion: 75 Resp: 693069

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#

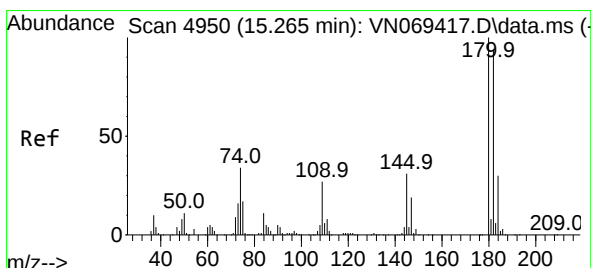
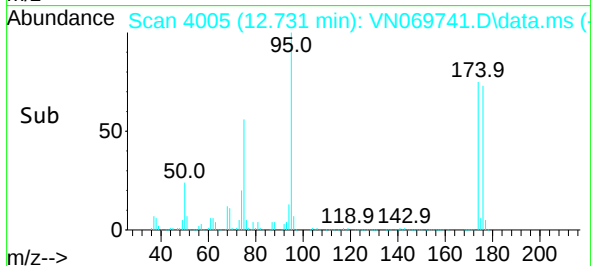
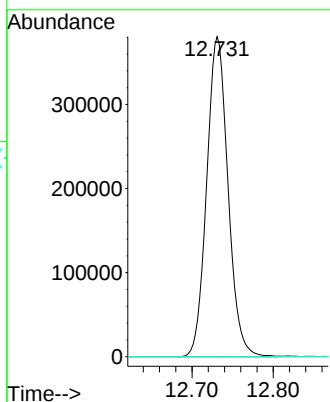
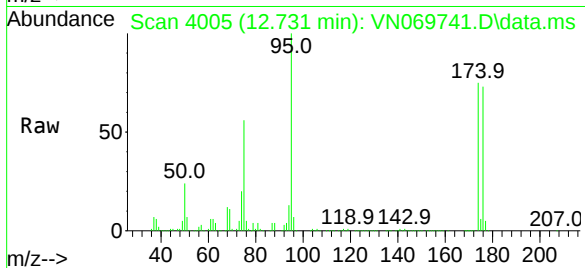




#81
trans-1,4-Dichloro-2-butene
Concen: 76.699 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

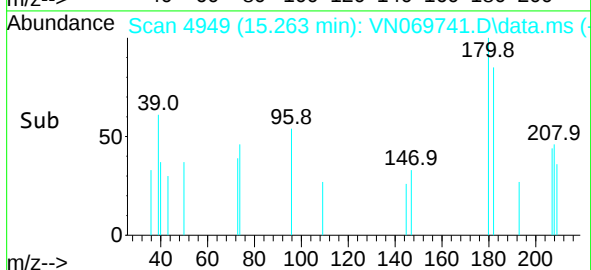
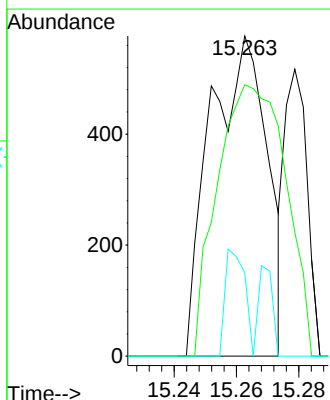
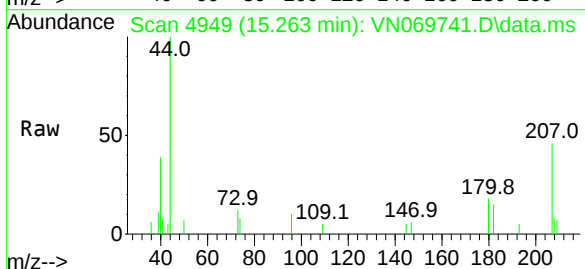
Instrument :
MSVOA_N
ClientSampleId :

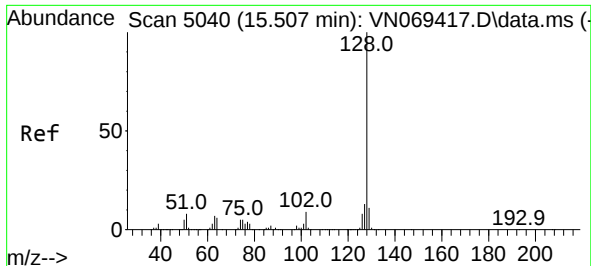
Tgt Ion: 75 Resp: 693069
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.920 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

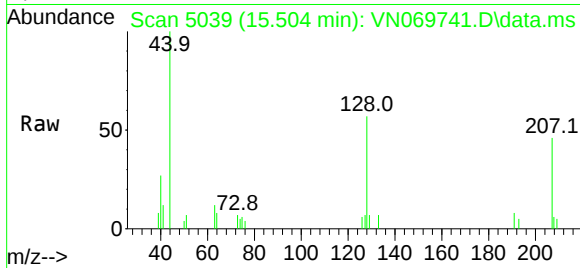
Tgt Ion: 180 Resp: 730
Ion Ratio Lower Upper
180 100
182 102.2 48.3 144.9
145 7.0 14.5 43.5#



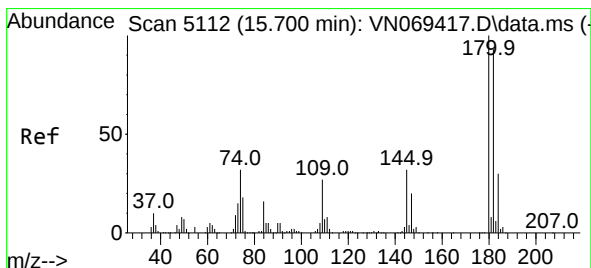
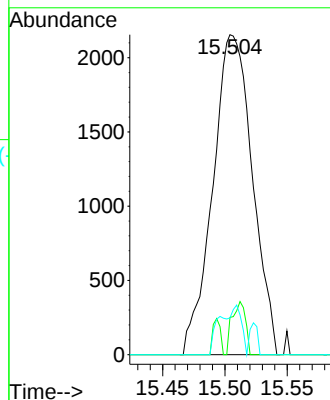
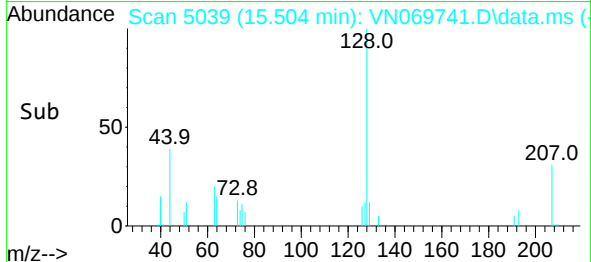


#95
Naphthalene
Concen: 4.075 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50

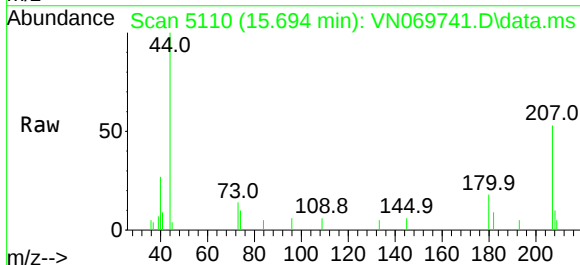
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4762
Ion Ratio Lower Upper
128 100
127 5.6 10.5 15.7#
129 4.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.458 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN069741.D
Acq: 4 Dec 2021 1:50



Tgt Ion:180 Resp: 385
Ion Ratio Lower Upper
180 100
182 138.2 47.4 142.2
145 37.9 15.0 45.1

