

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120121\
 Data File : VN069694.D
 Acq On : 1 Dec 2021 16:34
 Operator : JC/MD
 Sample : M4892-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 07:26:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

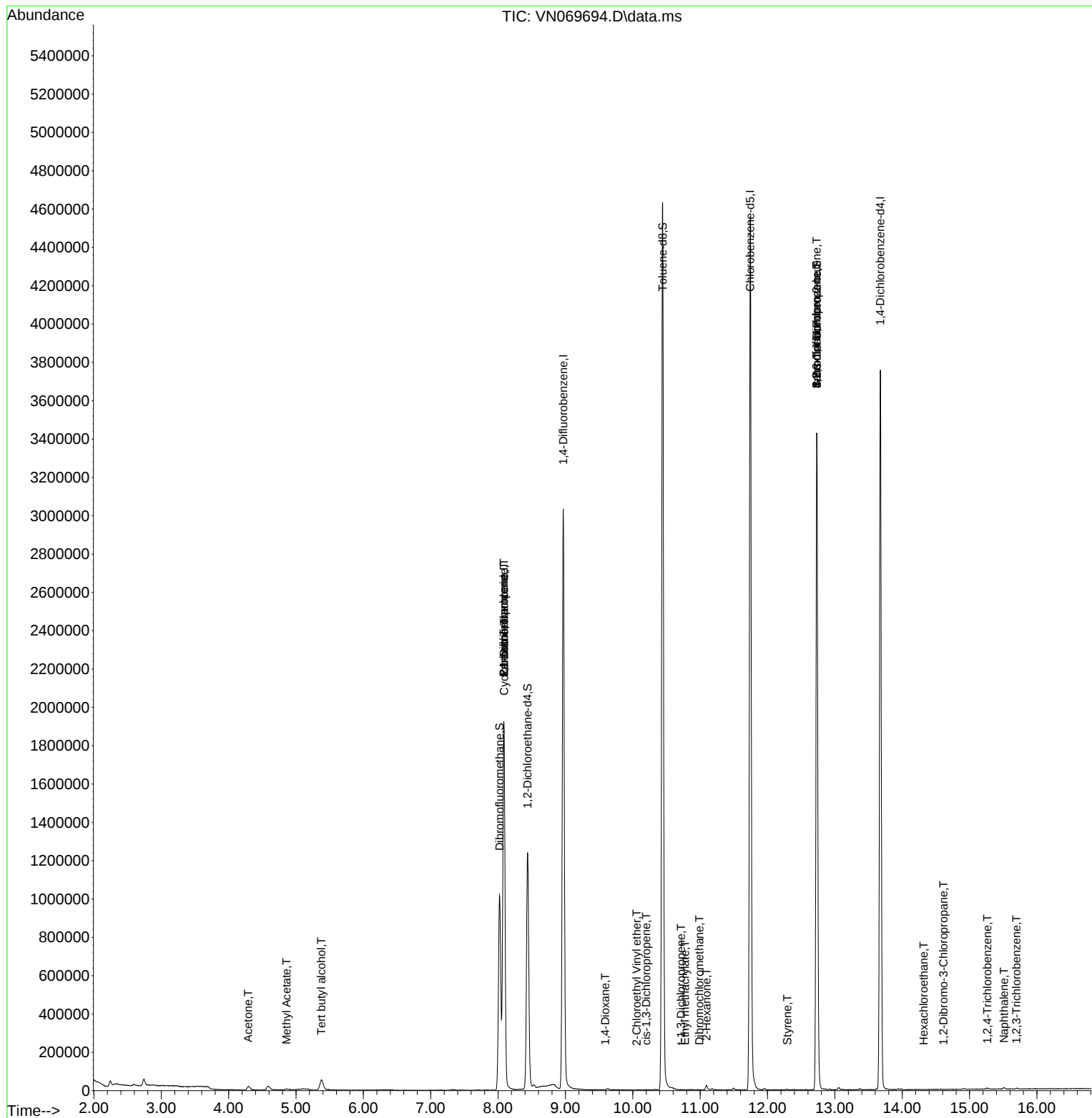
Internal Standards						
1) Pentafluorobenzene	8.086	168	1444806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2550738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2585642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	990457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1091031	52.081	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.160%
35) Dibromofluoromethane	8.021	113	753254	49.238	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.480%
50) Toluene-d8	10.443	98	3190969	53.035	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.060%
62) 4-Bromofluorobenzene	12.731	95	1197810	54.191	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.380%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.377	59	91897	24.344	ug/l	100
13) Acrolein	4.047	56	1332	Below Cal	#	27
16) Acetone	4.291	43	36787	3.255	ug/l	92
18) Methyl Acetate	4.859	43	8552	0.233	ug/l	# 74
31) Cyclohexane	8.091	56	37016	1.293	ug/l	# 28
36) 1,1-Dichloropropene	8.086	75	124321	5.792	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	150119	7.245	ug/l	# 16
49) 1,4-Dioxane	9.590	88	53	39.176	ug/l	# 27
53) t-1,3-Dichloropropene	10.714	75	156	2.643	ug/l	# 77
54) cis-1,3-Dichloropropene	10.199	75	77	1.735	ug/l	# 46
56) Ethyl methacrylate	10.776	69	453	2.067	ug/l	# 68
58) 2-Chloroethyl Vinyl ether	10.057	63	189	22.791	ug/l	# 45
59) 2-Hexanone	11.095	43	10361	8.337	ug/l	# 40
60) Dibromochloromethane	10.990	129	27	2.419	ug/l	# 11
70) Styrene	12.294	104	540	1.529	ug/l	# 90
71) Bromoform	12.731	173	1256	3.508	ug/l	# 1
76) 1,2,3-Trichloropropane	12.731	75	680117	29.755	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	680117	84.106	ug/l	# 5
90) Hexachloroethane	14.318	117	53	2.166	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.611	75	90	1.814	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.265	180	1713	3.216	ug/l	# 92
95) Naphthalene	15.512	128	7480	4.606	ug/l	# 75
96) 1,2,3-Trichlorobenzene	15.694	180	842	3.222	ug/l	# 21

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

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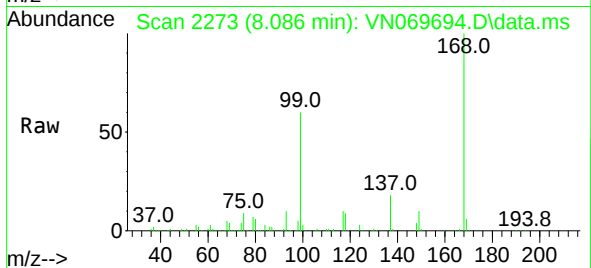
Quant Time: Dec 02 07:26:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
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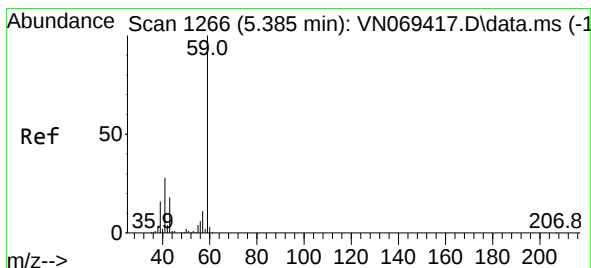
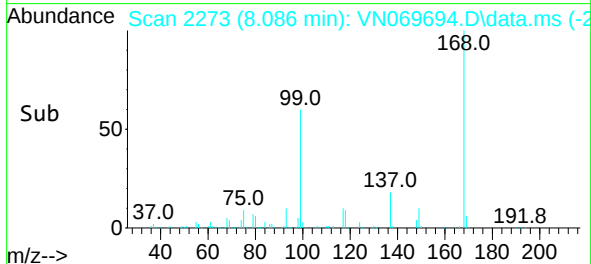
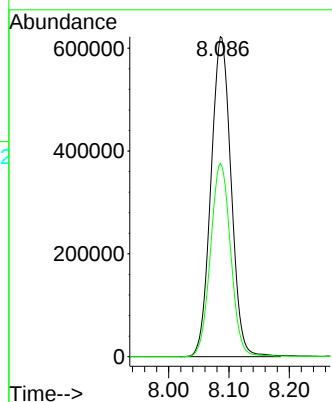


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Instrument :
MSVOA_N
ClientSampleId :

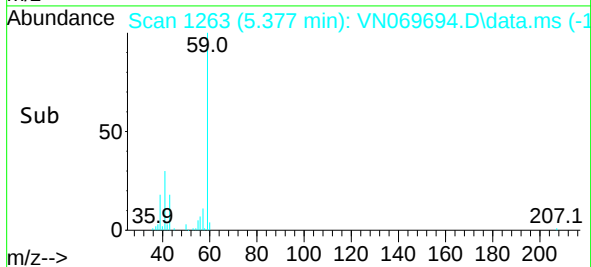
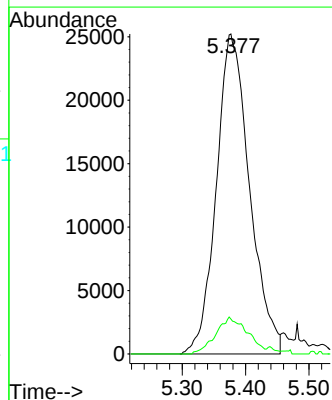
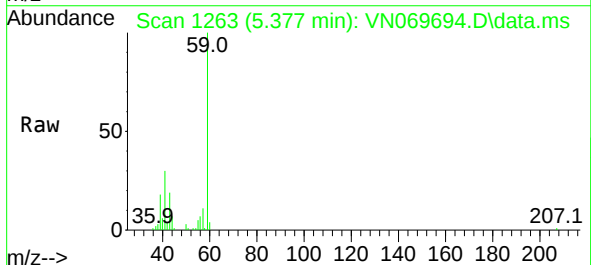


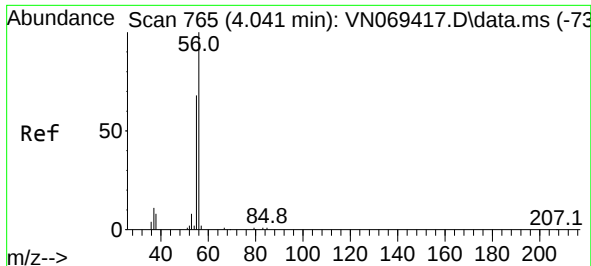
Tgt Ion:168 Resp: 1444806
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 24.344 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.008 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Tgt Ion: 59 Resp: 91897
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1





#13

Acrolein

Concen: Below Cal

RT: 4.047 min Scan# 765

Delta R.T. 0.006 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

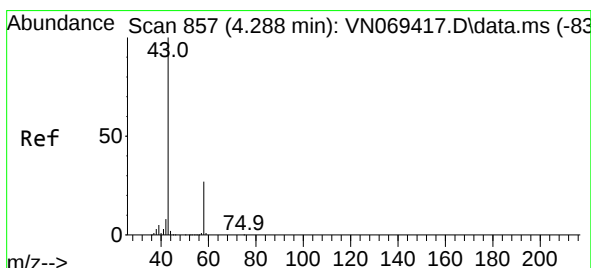
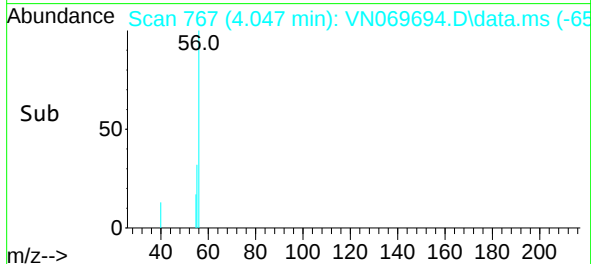
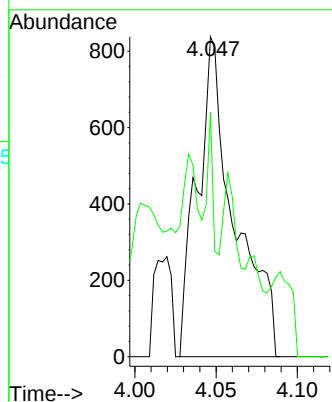
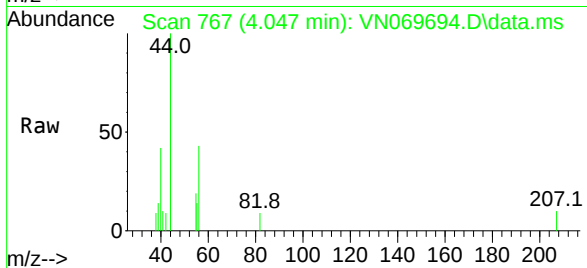
ClientSampleId :

Tgt Ion: 56 Resp: 1332

Ion Ratio Lower Upper

56 100

55 10.2 56.6 85.0#



#16

Acetone

Concen: 3.255 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.003 min

Lab File: VN069694.D

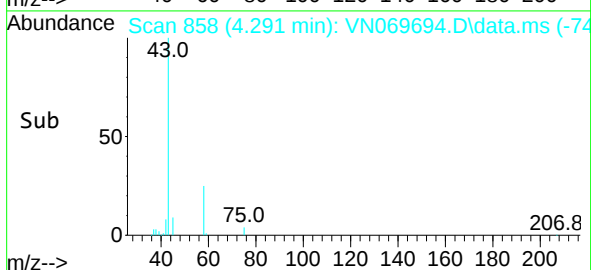
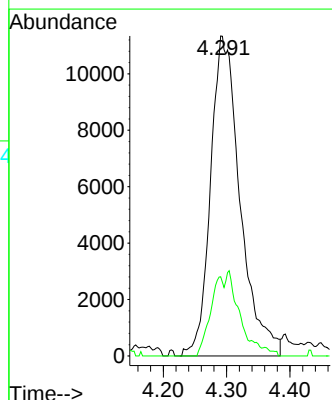
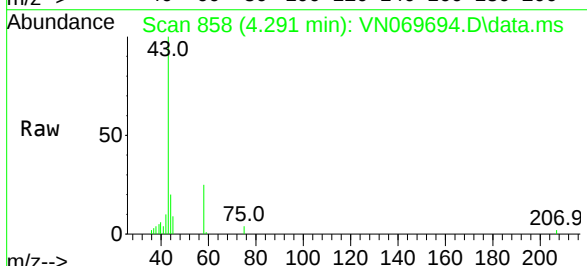
Acq: 1 Dec 2021 16:34

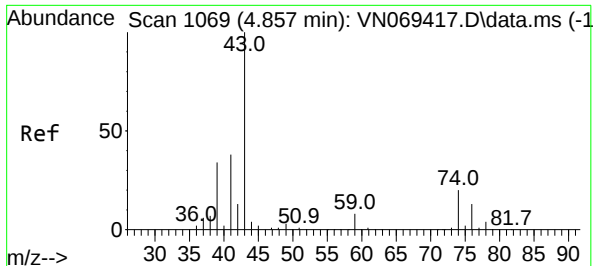
Tgt Ion: 43 Resp: 36787

Ion Ratio Lower Upper

43 100

58 24.7 23.1 34.7

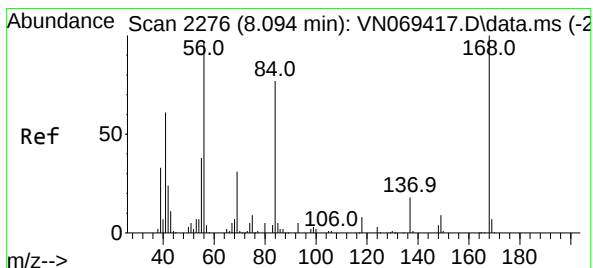
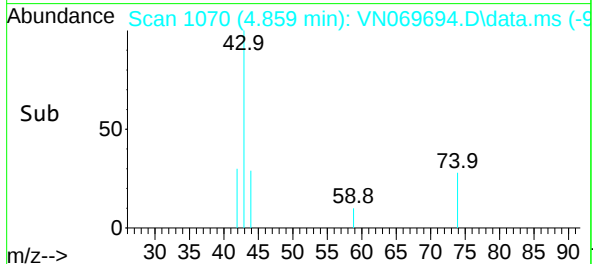
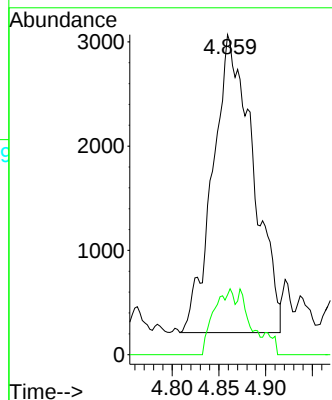
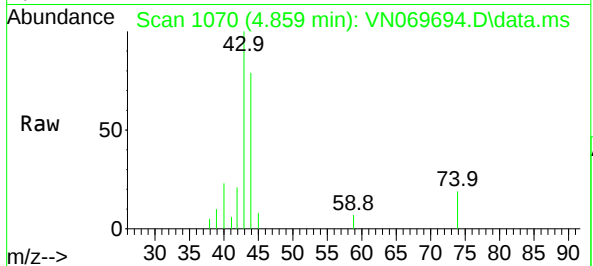




#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 4.859 min Scan# 11
Delta R.T. 0.002 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

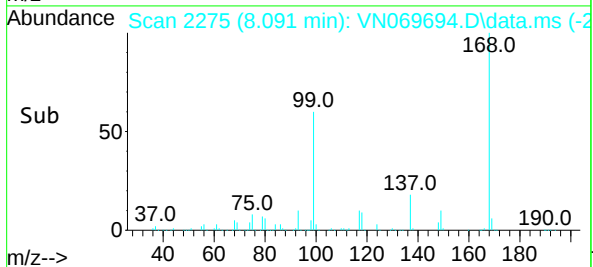
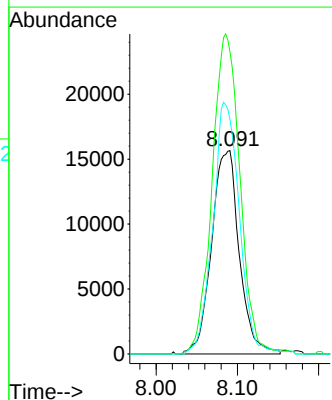
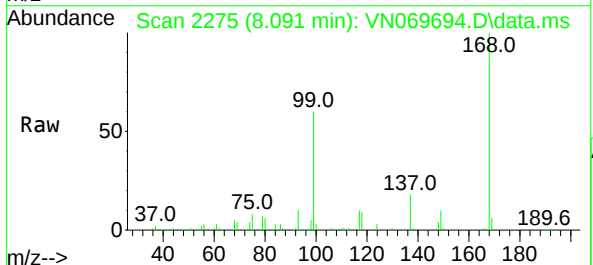
Instrument :
MSVOA_N
ClientSampleId :

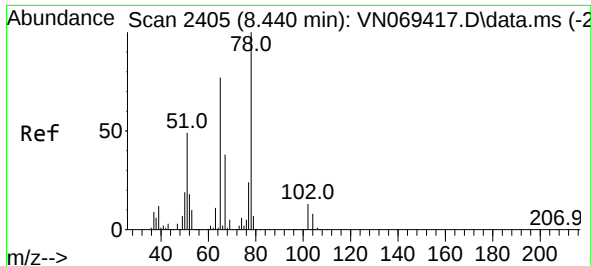
Tgt Ion: 43 Resp: 8552
Ion Ratio Lower Upper
43 100
74 11.3 19.4 29.2#



#31
Cyclohexane
Concen: 1.293 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Tgt Ion: 56 Resp: 37016
Ion Ratio Lower Upper
56 100
69 148.6 27.1 40.7#
84 115.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.081 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

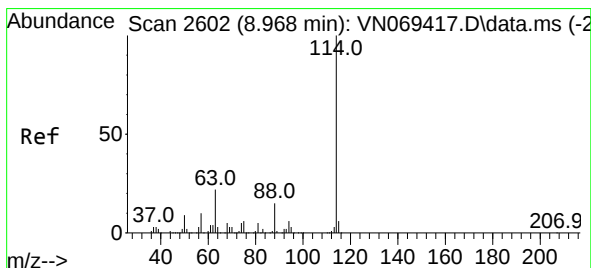
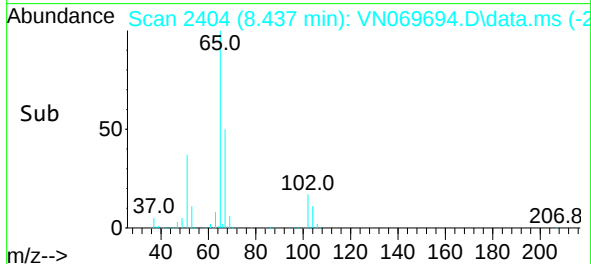
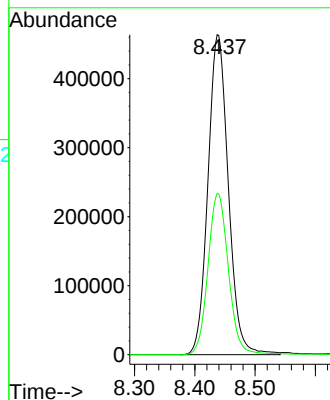
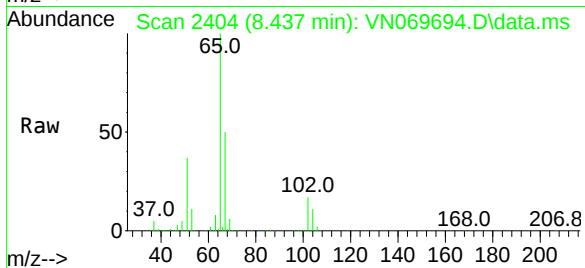
ClientSampleId :

Tgt Ion: 65 Resp: 1091031

Ion Ratio Lower Upper

65 100

67 50.3 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: VN069694.D

Acq: 1 Dec 2021 16:34

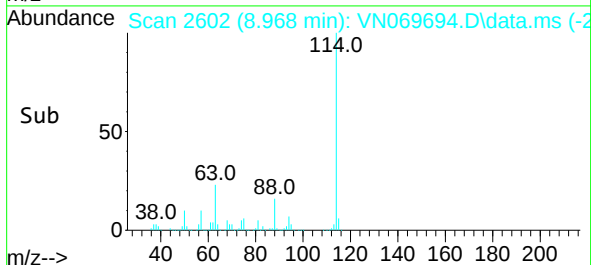
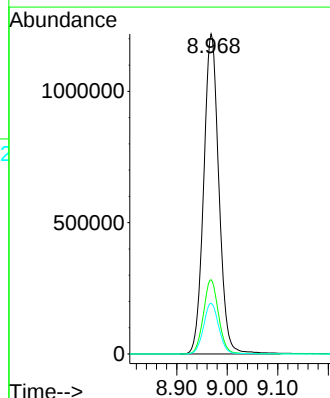
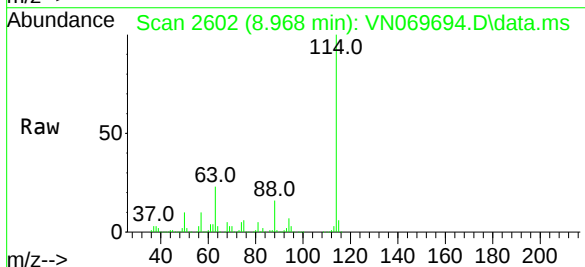
Tgt Ion: 114 Resp: 2550738

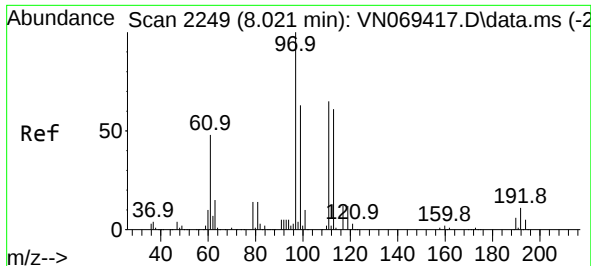
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

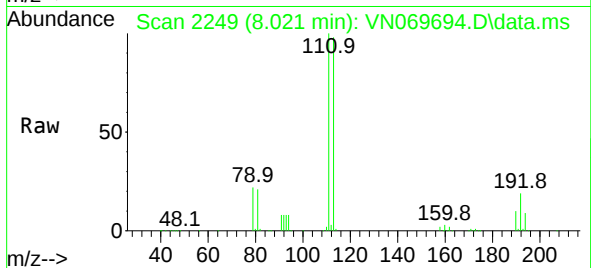
88 15.9 0.0 27.4



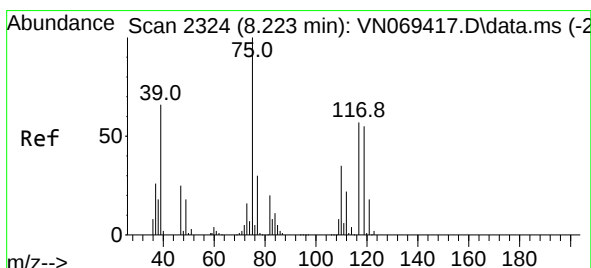
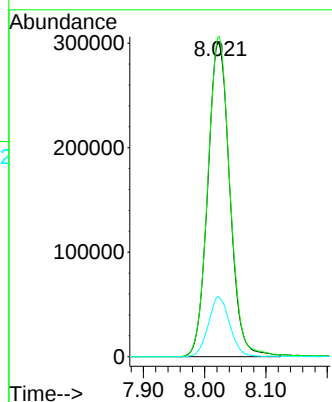
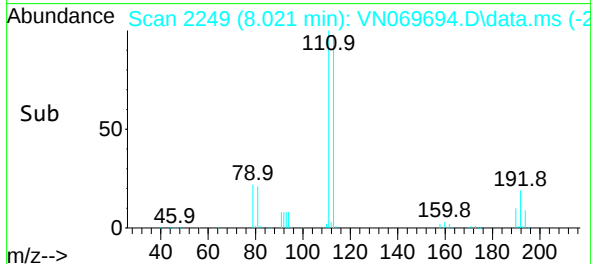


#35
Dibromofluoromethane
Concen: 49.238 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Instrument :
MSVOA_N
ClientSampleId :

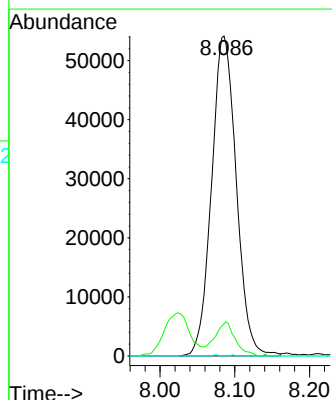
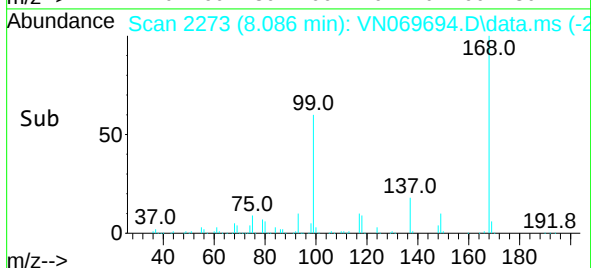
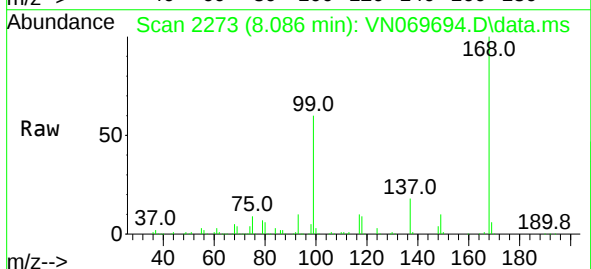


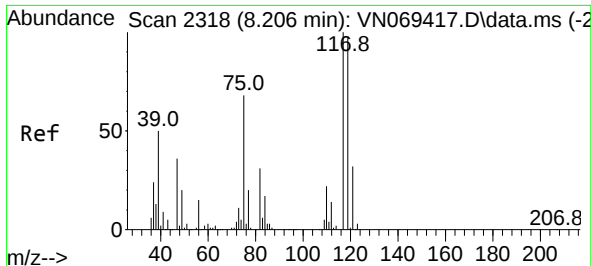
Tgt Ion:113 Resp: 753254
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.792 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

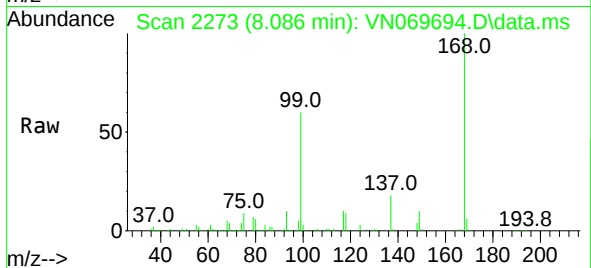
Tgt Ion: 75 Resp: 124321
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.1 24.4 36.6#



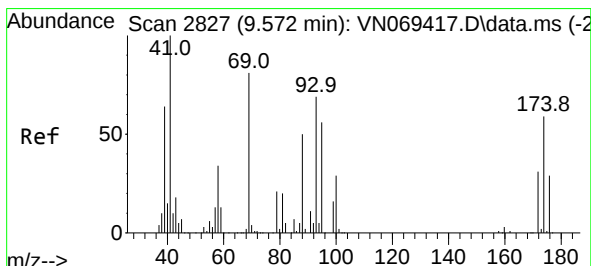
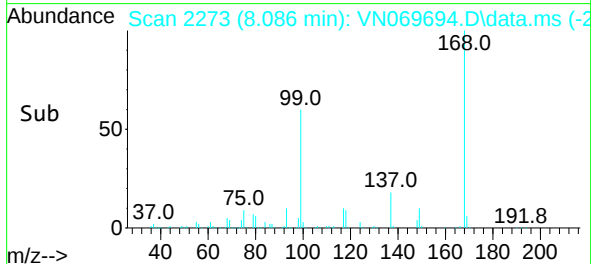
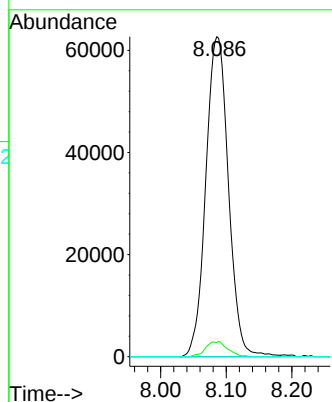


#38
Carbon Tetrachloride
Concen: 7.245 ug/l
RT: 8.086 min Scan# 2119
Delta R.T. -0.120 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Instrument :
MSVOA_N
ClientSampleId :

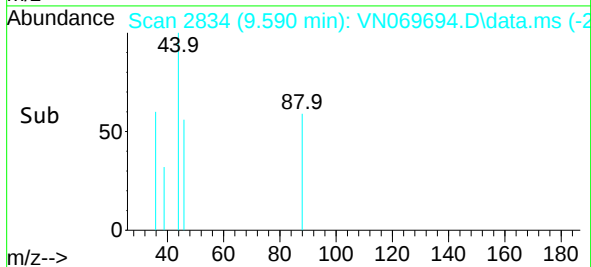
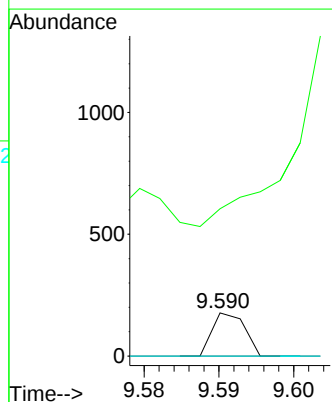
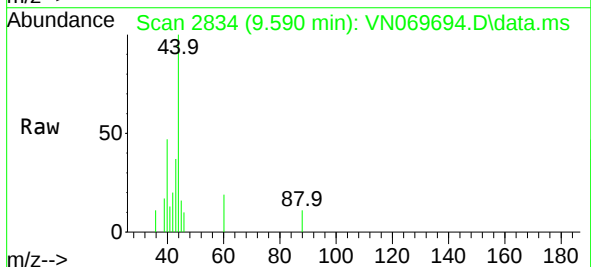


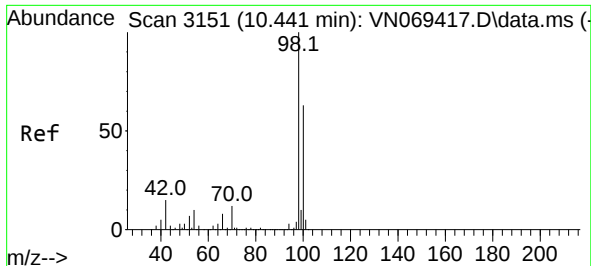
Tgt Ion:117 Resp: 150119
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.176 ug/l
RT: 9.590 min Scan# 2834
Delta R.T. 0.018 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

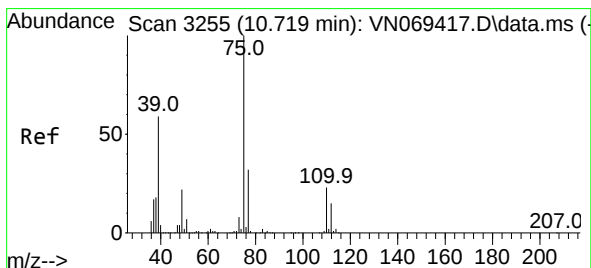
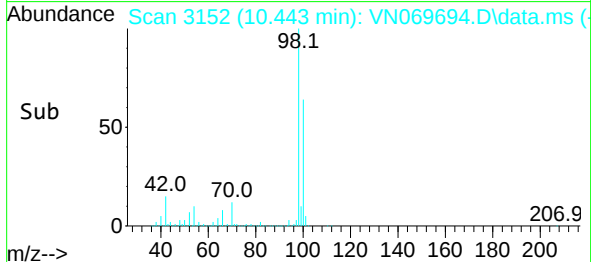
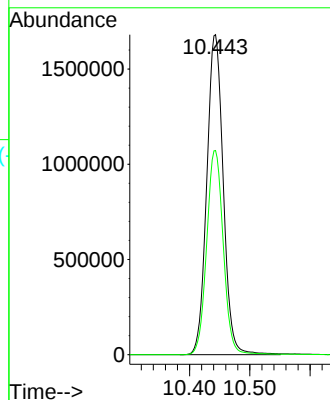
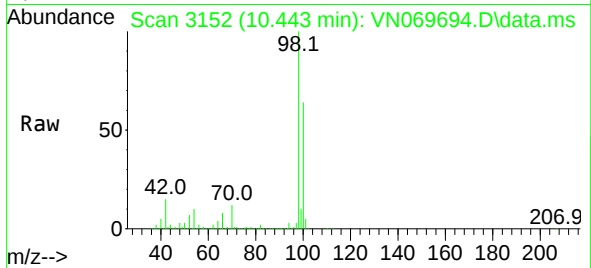




#50
Toluene-d8
Concen: 53.035 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

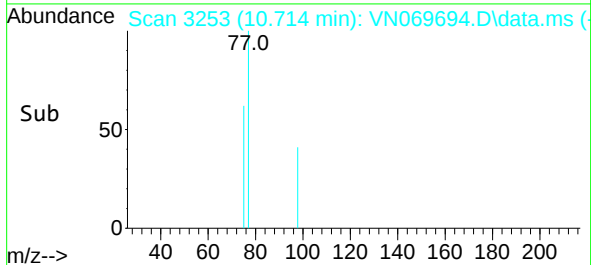
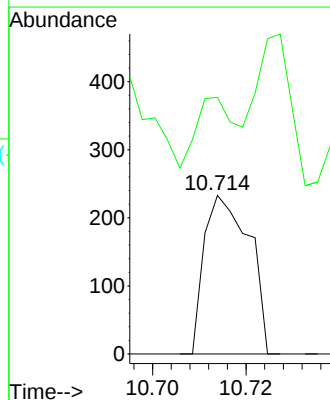
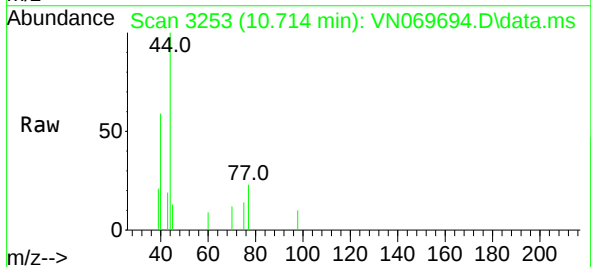
Instrument :
MSVOA_N
ClientSampleId :

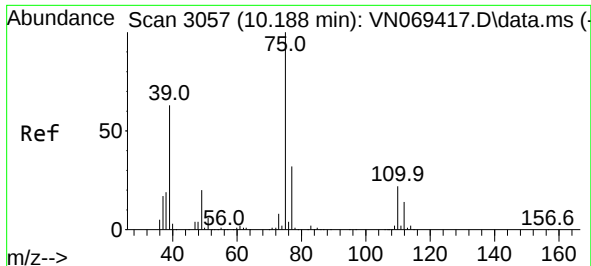
Tgt Ion: 98 Resp: 3190969
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.643 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

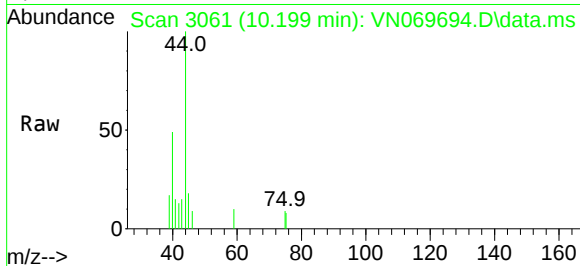
Tgt Ion: 75 Resp: 156
Ion Ratio Lower Upper
75 100
77 44.6 25.6 38.4#



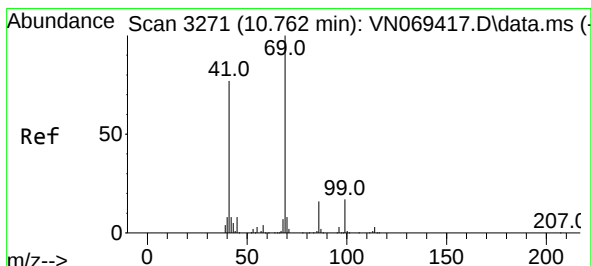
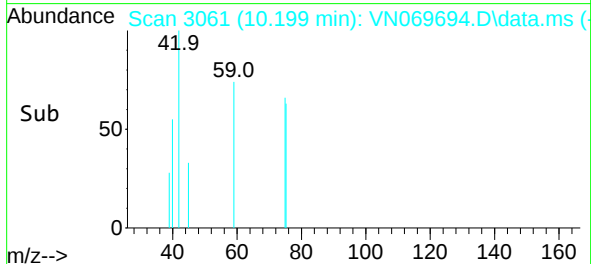
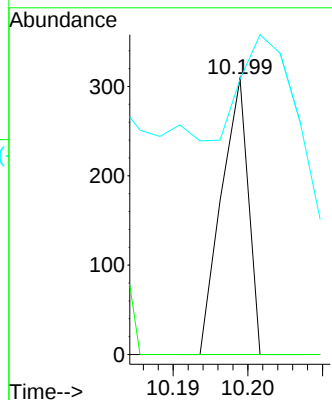


#54
 cis-1,3-Dichloropropene
 Concen: 1.735 ug/l
 RT: 10.199 min Scan# 3057
 Delta R.T. 0.011 min
 Lab File: VN069694.D
 Acq: 1 Dec 2021 16:34

Instrument :
 MSVOA_N
 ClientSampleId :

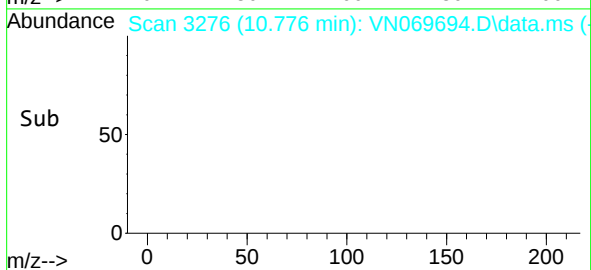
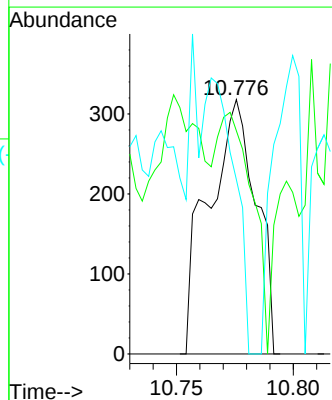
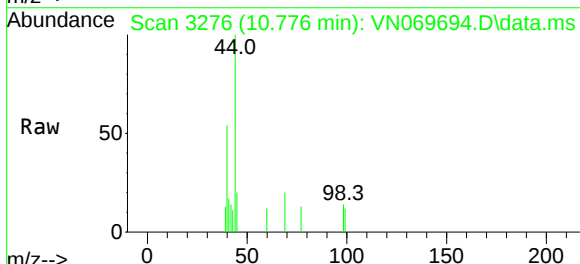


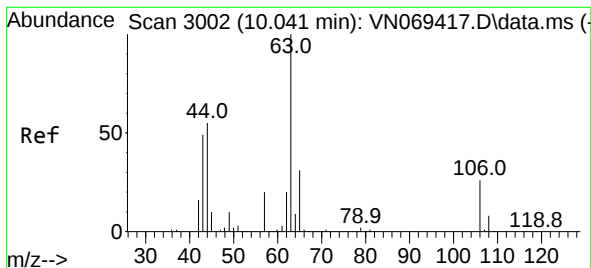
Tgt Ion: 75 Resp: 77
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 16.5 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.067 ug/l
 RT: 10.776 min Scan# 3276
 Delta R.T. 0.014 min
 Lab File: VN069694.D
 Acq: 1 Dec 2021 16:34

Tgt Ion: 69 Resp: 453
 Ion Ratio Lower Upper
 69 100
 41 70.0 51.4 77.0
 39 0.0 34.6 52.0#

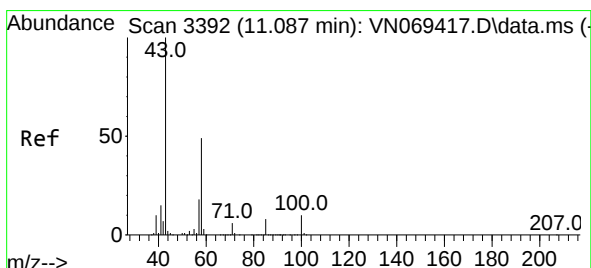
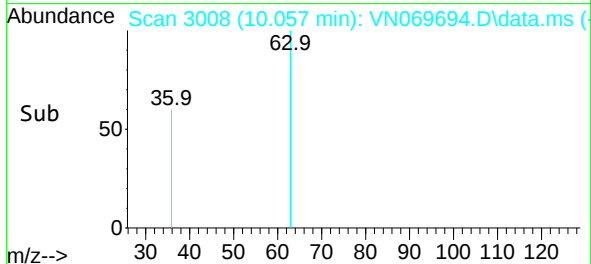
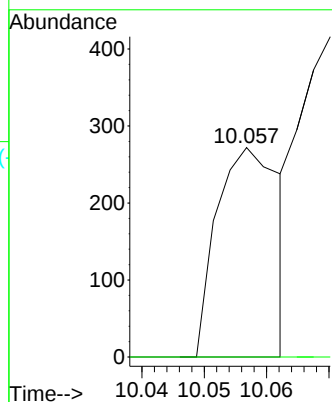
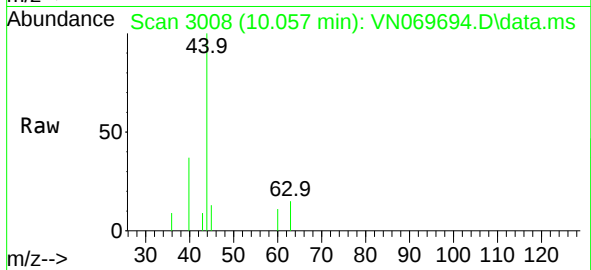




#58
2-Chloroethyl Vinyl ether
Concen: 22.791 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.016 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

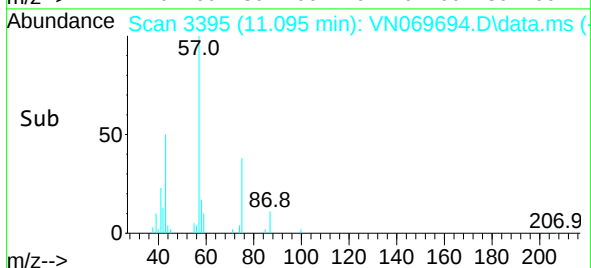
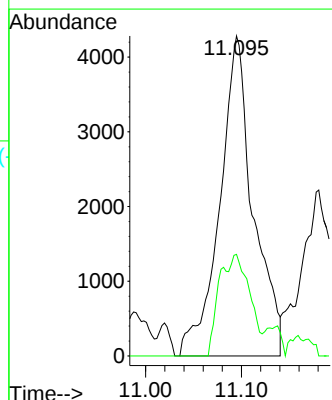
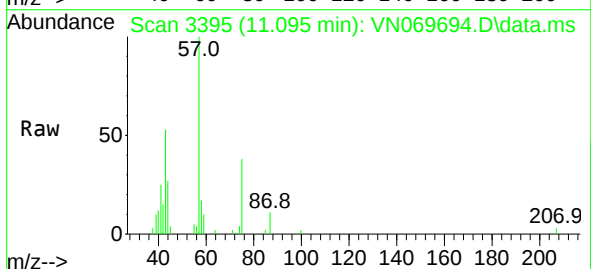
Instrument :
MSVOA_N
ClientSampleId :

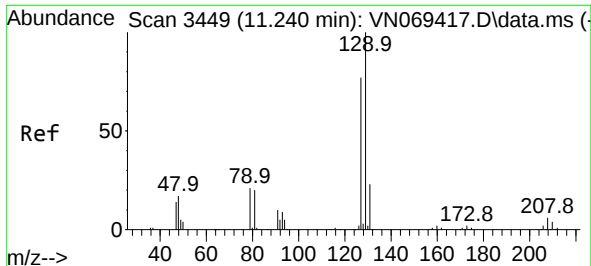
Tgt Ion: 63 Resp: 189
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.337 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Tgt Ion: 43 Resp: 10361
Ion Ratio Lower Upper
43 100
58 10.9 26.9 80.7#

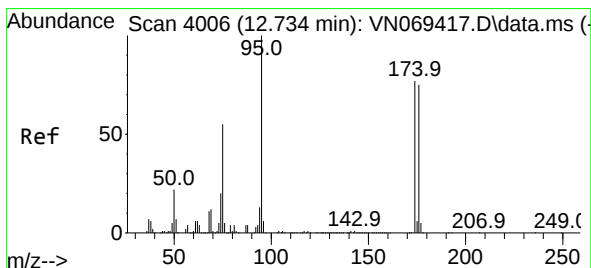
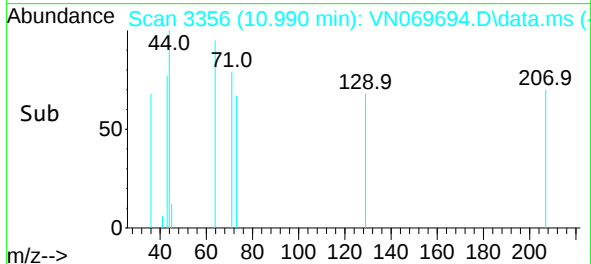
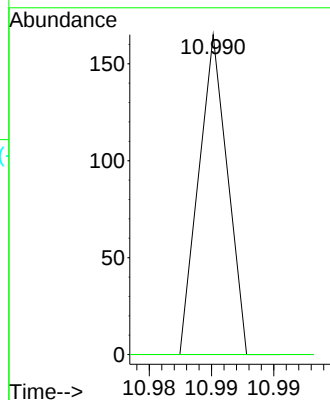
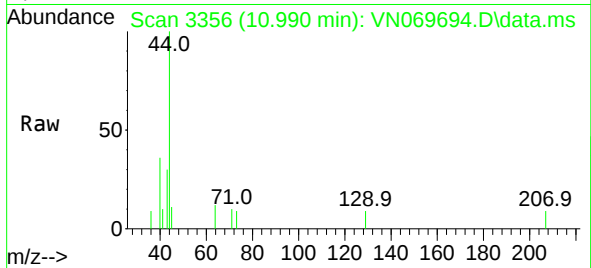




#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 10.990 min Scan# 31
Delta R.T. -0.250 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

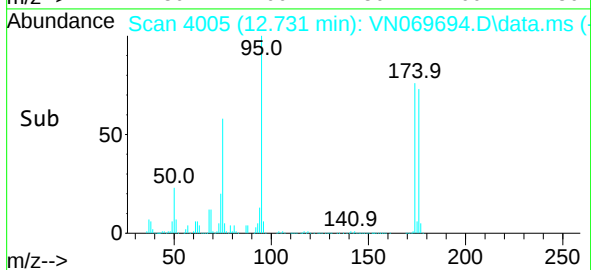
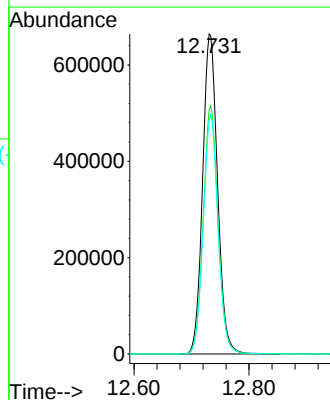
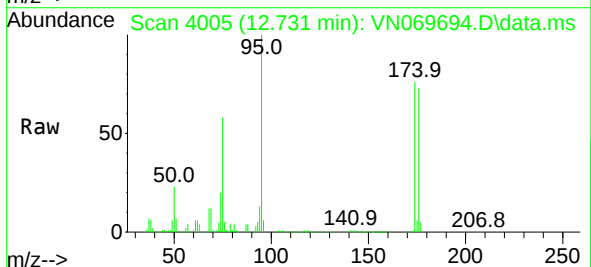
Instrument :
MSVOA_N
ClientSampleId :

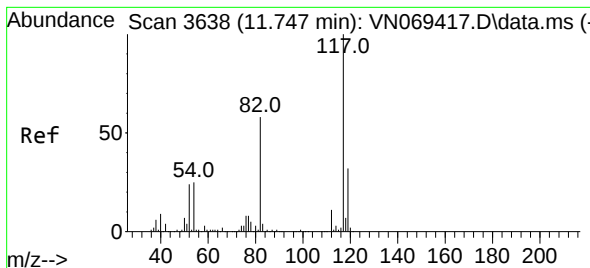
Tgt Ion:129 Resp: 27
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.191 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069694.D
Acq: 1 Dec 2021 16:34

Tgt Ion: 95 Resp: 1197810
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 73.9 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.003 min

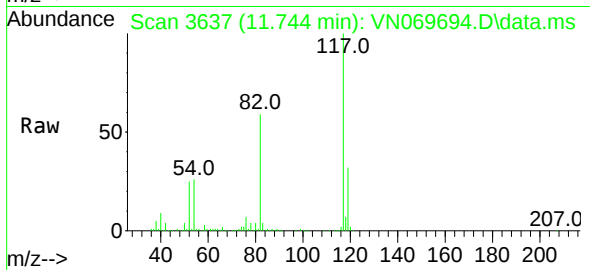
Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

ClientSampleId :



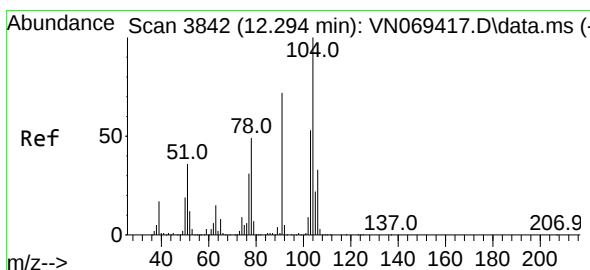
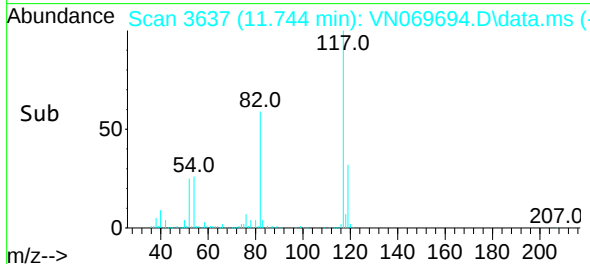
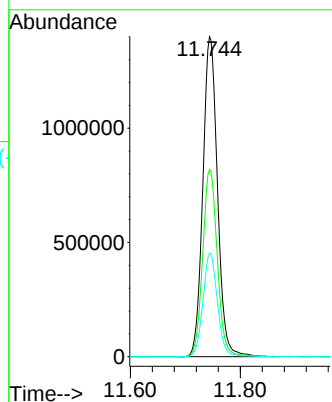
Tgt Ion:117 Resp: 2585642

Ion Ratio Lower Upper

117 100

82 58.5 42.4 63.6

119 32.4 25.4 38.2



#70

Styrene

Concen: 1.529 ug/l

RT: 12.294 min Scan# 3842

Delta R.T. -0.000 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

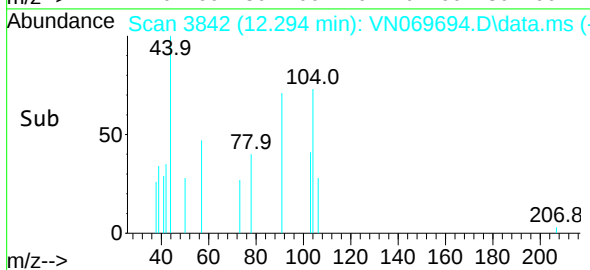
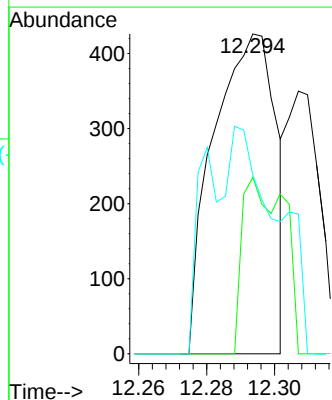
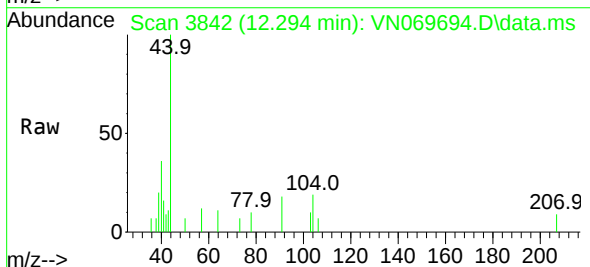
Tgt Ion:104 Resp: 540

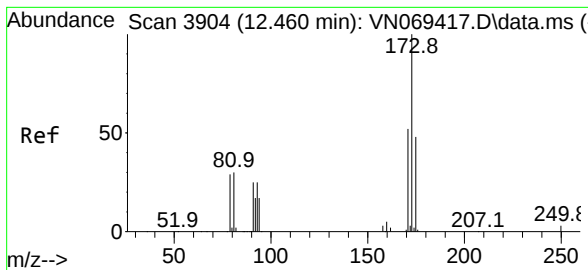
Ion Ratio Lower Upper

104 100

78 37.0 38.7 58.1#

103 53.0 45.0 67.6





#71

Bromoform

Concen: 3.508 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.271 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

ClientSampleId :

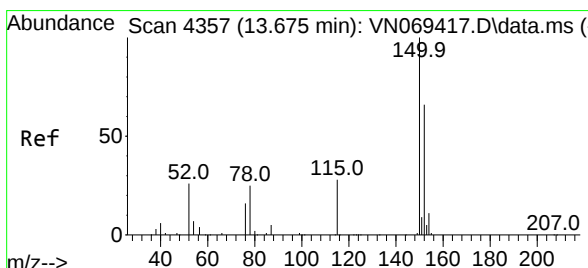
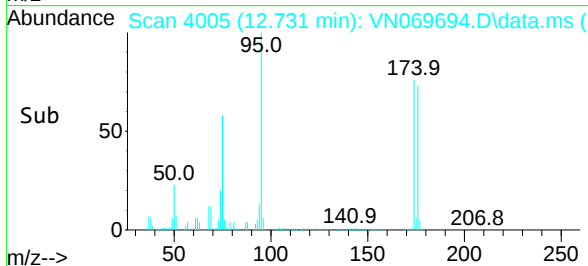
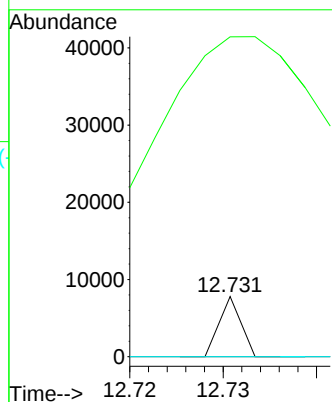
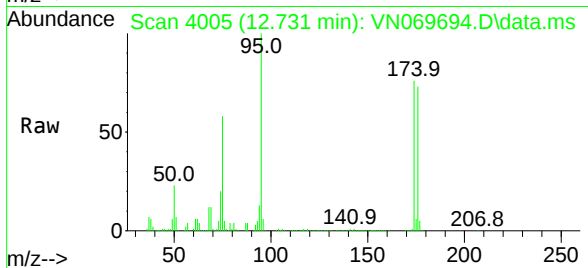
Tgt Ion:173 Resp: 1256

Ion Ratio Lower Upper

173 100

175 5380.1 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. -0.000 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

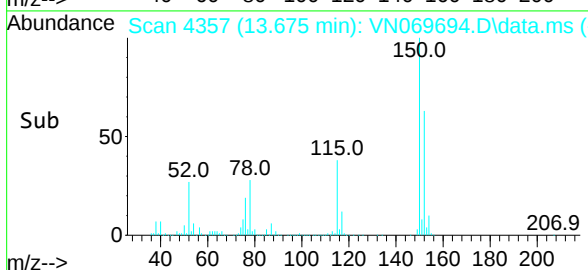
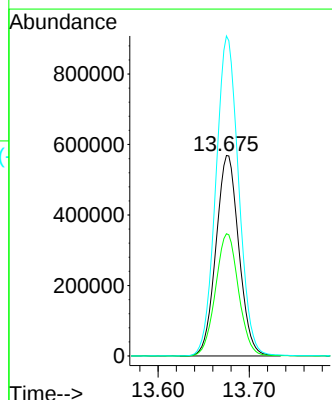
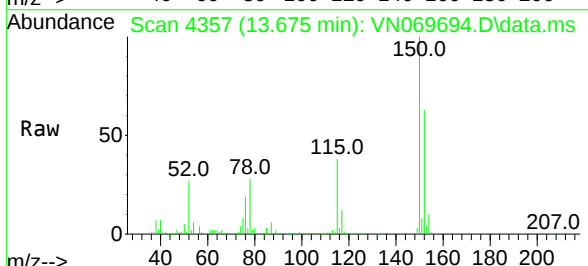
Tgt Ion:152 Resp: 990457

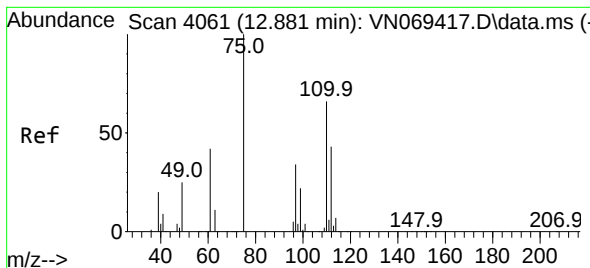
Ion Ratio Lower Upper

152 100

115 61.6 27.5 82.5

150 159.3 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 29.755 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

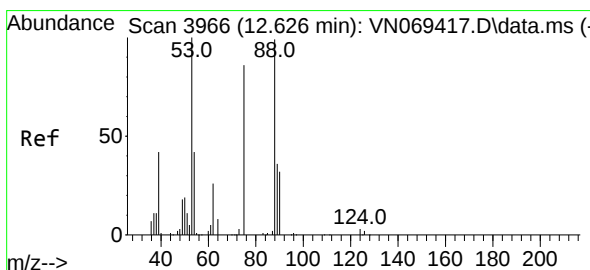
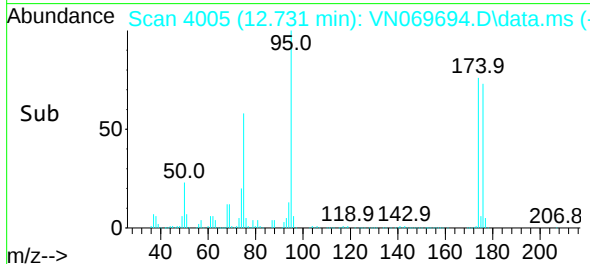
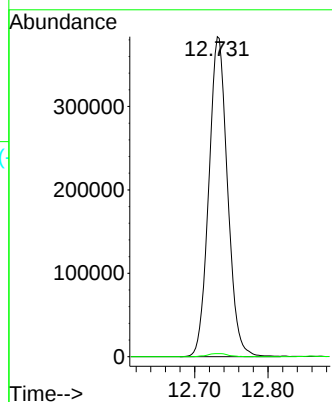
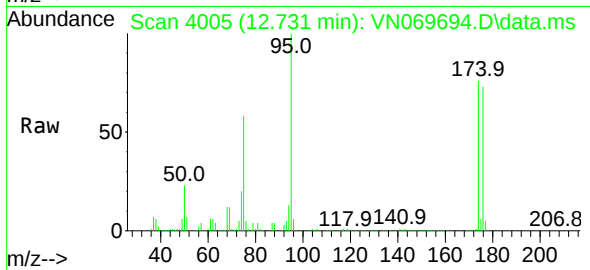
ClientSampleId :

Tgt Ion: 75 Resp: 680117

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.106 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.105 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

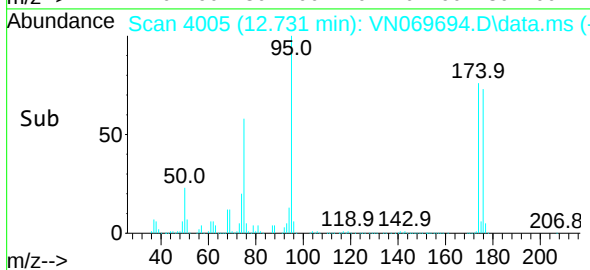
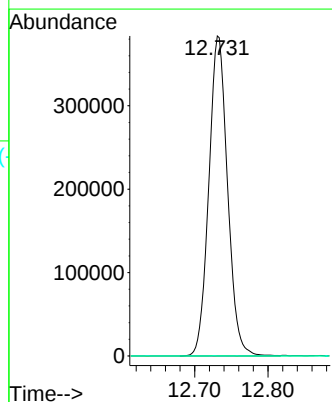
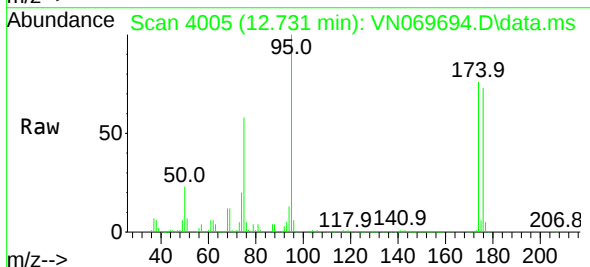
Tgt Ion: 75 Resp: 680117

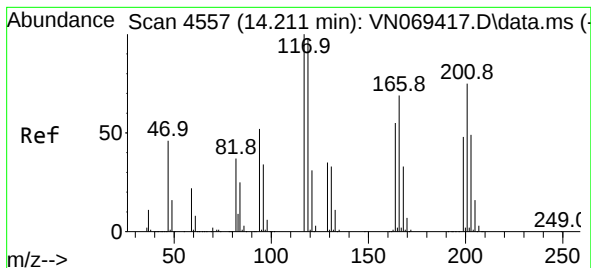
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 38.2 57.4#





#90

Hexachloroethane

Concen: 2.166 ug/l

RT: 14.318 min Scan# 4597

Delta R.T. 0.107 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

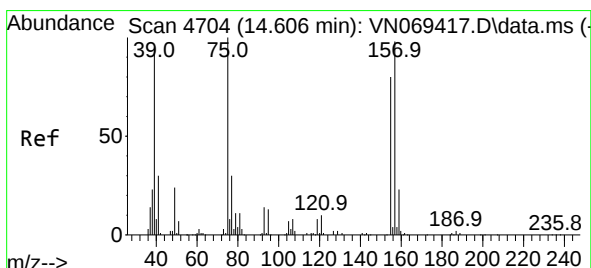
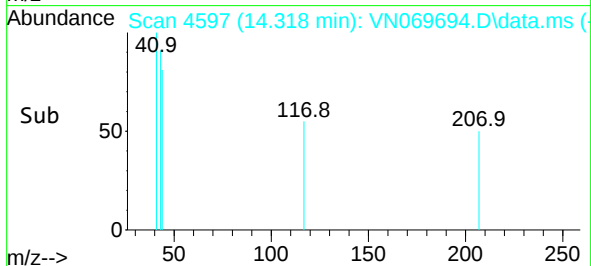
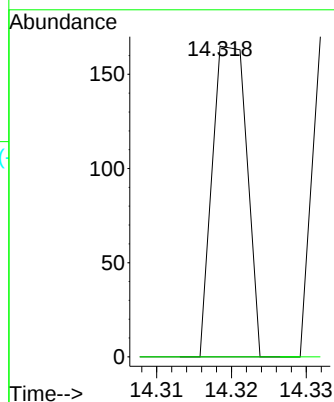
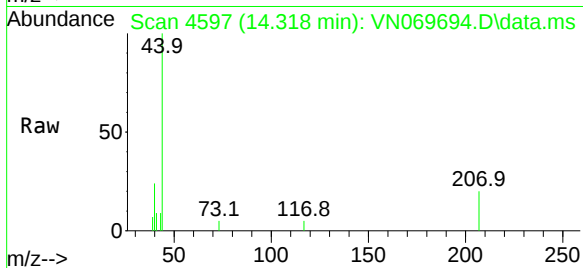
ClientSampleId :

Tgt Ion:117 Resp: 53

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.814 ug/l

RT: 14.611 min Scan# 4706

Delta R.T. 0.005 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

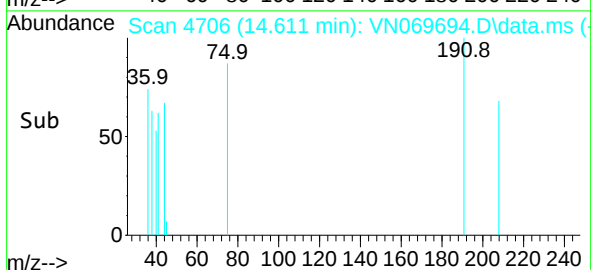
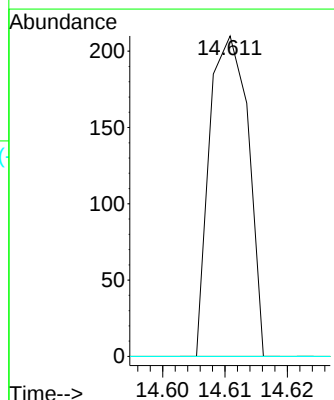
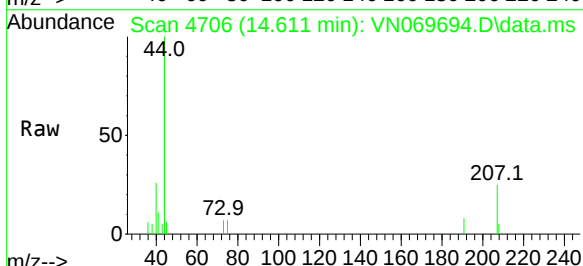
Tgt Ion: 75 Resp: 90

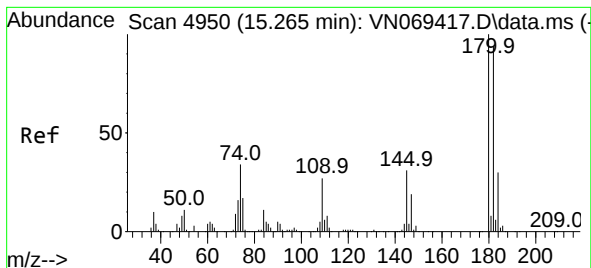
Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

157 0.0 60.6 181.7#





#93

1,2,4-Trichlorobenzene

Concen: 3.216 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

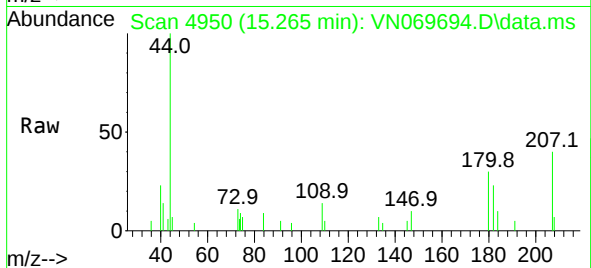
Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

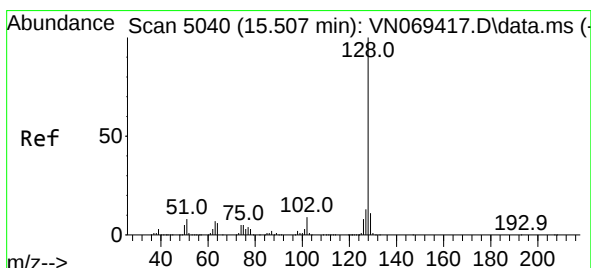
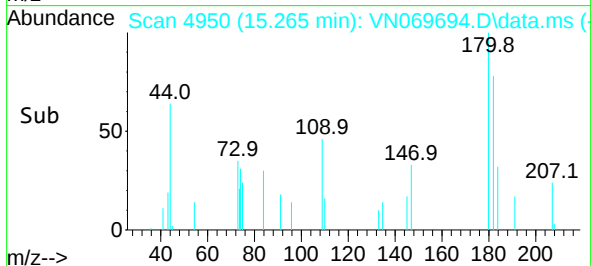
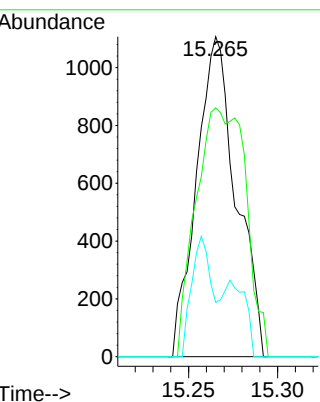
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	1713
Ion Ratio	Lower	Upper	
180	100		
182	98.0	48.3	144.9
145	12.6	14.5	43.5#



#95

Naphthalene

Concen: 4.606 ug/l

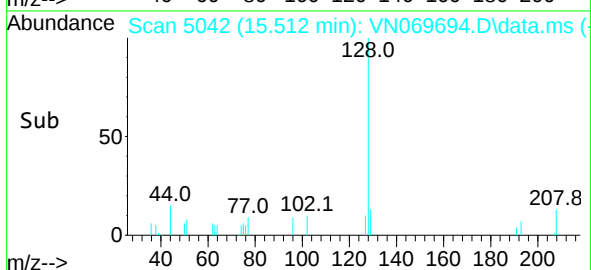
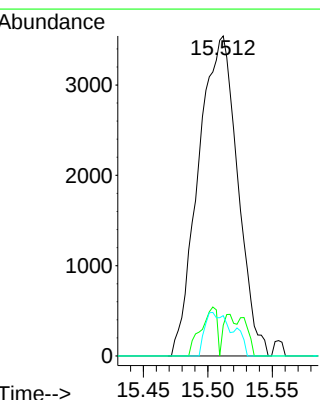
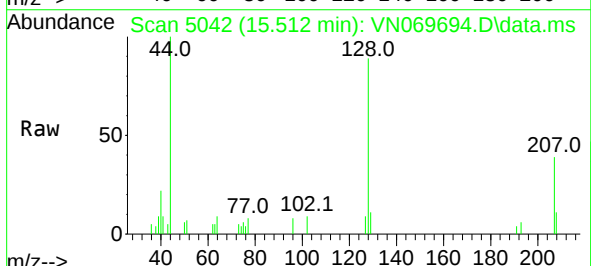
RT: 15.512 min Scan# 5042

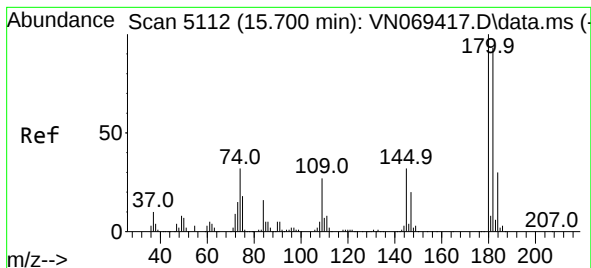
Delta R.T. 0.005 min

Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Tgt Ion:	128	Resp:	7480
Ion Ratio	Lower	Upper	
128	100		
127	4.3	10.5	15.7#
129	0.0	8.7	13.1#





#96

1,2,3-Trichlorobenzene

Concen: 3.222 ug/l

RT: 15.694 min Scan# 51

Delta R.T. -0.006 min

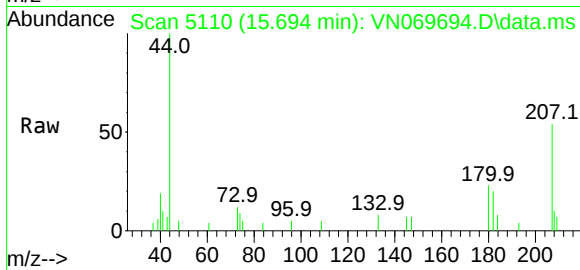
Lab File: VN069694.D

Acq: 1 Dec 2021 16:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 842

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 19.7 15.0 45.1

