

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069591.D
 Acq On : 19 Nov 2021 17:48
 Operator : JC/MD
 Sample : M4768-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 05:08:40 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

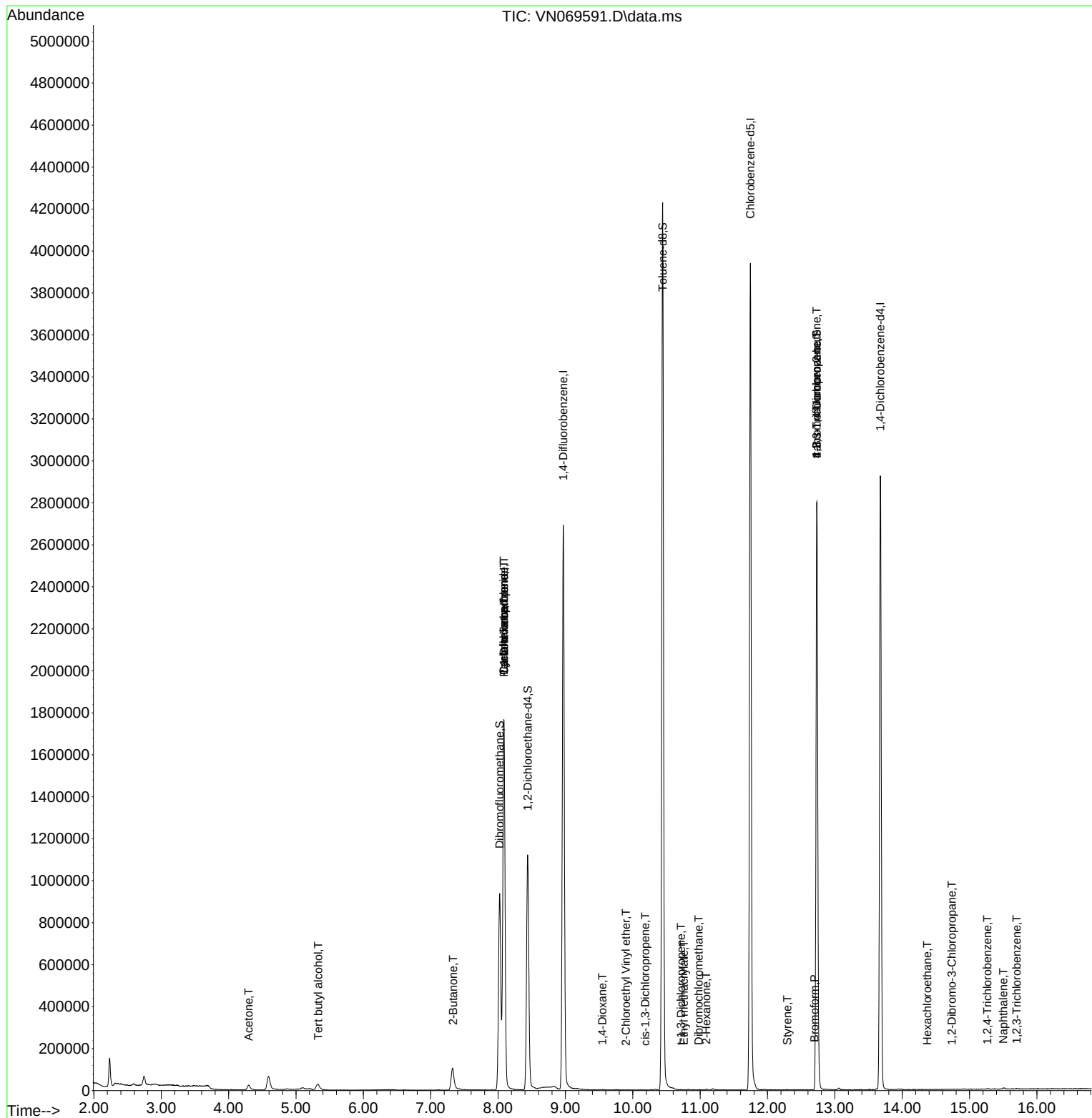
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1315876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2292248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2228848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	780067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	974774	51.090	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.180%	
35) Dibromofluoromethane	8.024	113	678179	49.330	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.660%	
50) Toluene-d8	10.443	98	2886660	53.387	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.780%	
62) 4-Bromofluorobenzene	12.731	95	984204	49.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.100%	
Target Compounds						
11) Tert butyl alcohol	5.331	59	28471	8.281	ug/l #	72
13) Acrolein	4.038	56	219	Below Cal	#	30
16) Acetone	4.296	43	40124	3.898	ug/l	96
25) 2-Butanone	7.332	43	8033	0.576	ug/l #	83
31) Cyclohexane	8.086	56	35744	1.371	ug/l #	27
36) 1,1-Dichloropropene	8.086	75	111303	5.771	ug/l #	49
38) Carbon Tetrachloride	8.086	117	136313	7.320	ug/l #	16
49) 1,4-Dioxane	9.550	88	24	39.118	ug/l #	1
53) t-1,3-Dichloropropene	10.714	75	262	2.648	ug/l #	20
54) cis-1,3-Dichloropropene	10.186	75	107	1.737	ug/l #	32
56) Ethyl methacrylate	10.757	69	170	2.059	ug/l #	38
58) 2-Chloroethyl Vinyl ether	9.899	63	54	22.777	ug/l #	45
59) 2-Hexanone	11.092	43	2374	8.042	ug/l	94
60) Dibromochloromethane	10.979	129	53	2.420	ug/l #	11
70) Styrene	12.294	104	277	1.526	ug/l #	54
71) Bromoform	12.696	173	25	3.430	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	562613	31.253	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	562613	88.048	ug/l #	5
90) Hexachloroethane	14.372	117	51	2.167	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.737	75	51	1.809	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.265	180	1277	3.211	ug/l #	52
95) Naphthalene	15.501	128	2437	4.515	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.700	180	1269	3.271	ug/l #	48

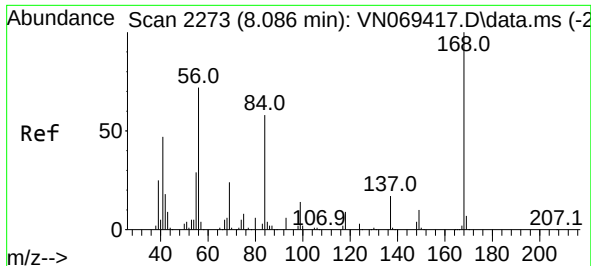
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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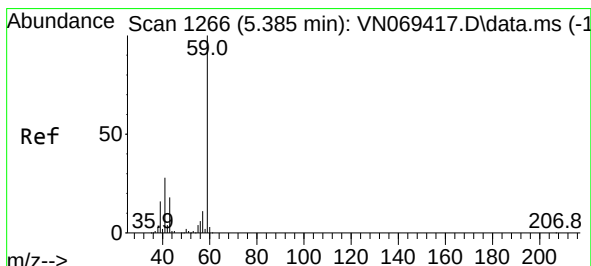
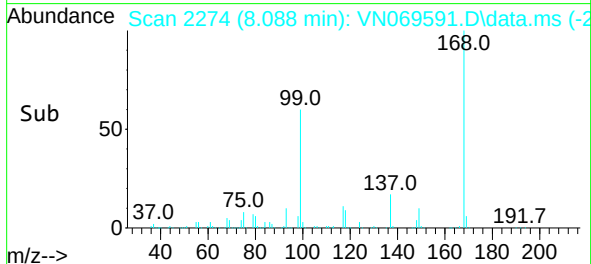
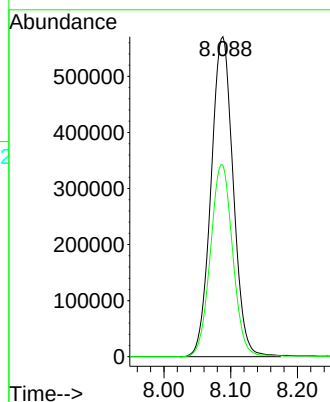
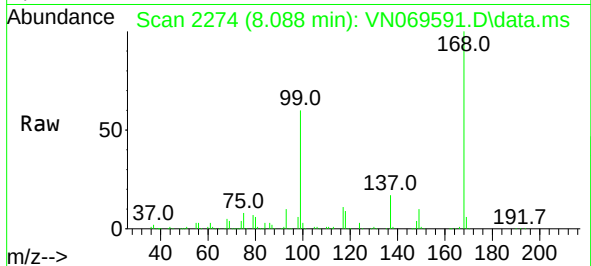




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

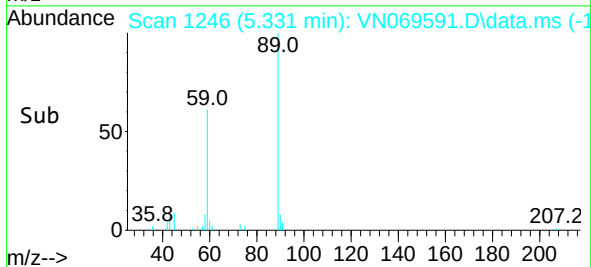
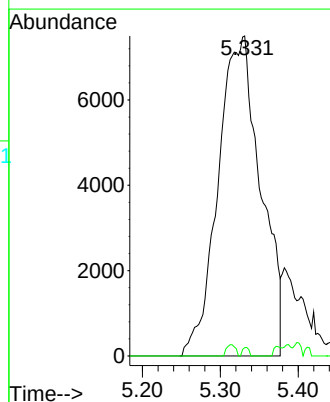
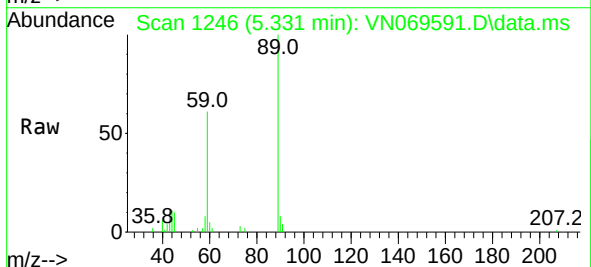
Instrument :
MSVOA_N
ClientSampleId :

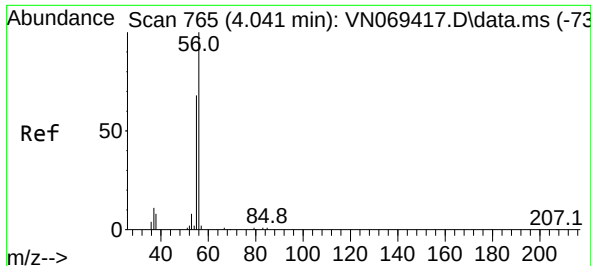
Tgt Ion:168 Resp: 1315876
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#11
Tert butyl alcohol
Concen: 8.281 ug/l
RT: 5.331 min Scan# 1246
Delta R.T. -0.054 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

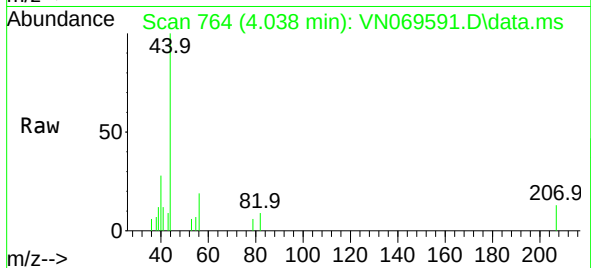
Tgt Ion: 59 Resp: 28471
Ion Ratio Lower Upper
59 100
57 0.4 8.7 13.1#



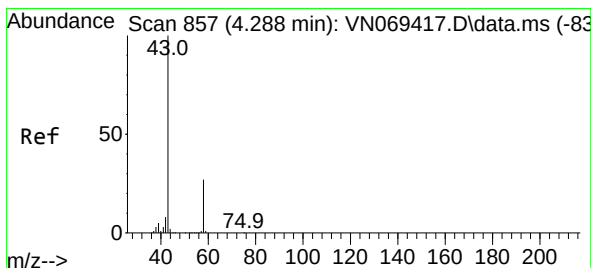
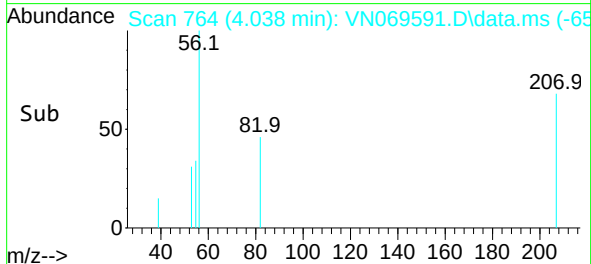
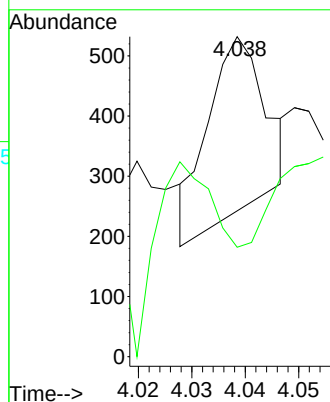


#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Instrument :
MSVOA_N
ClientSampleId :

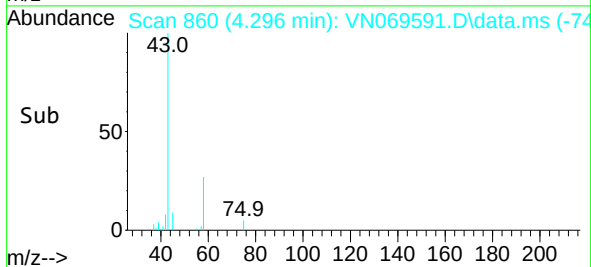
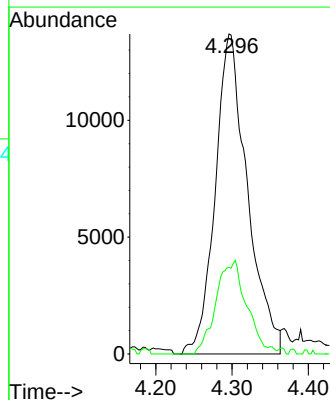
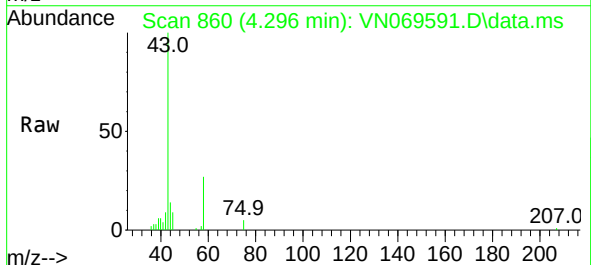


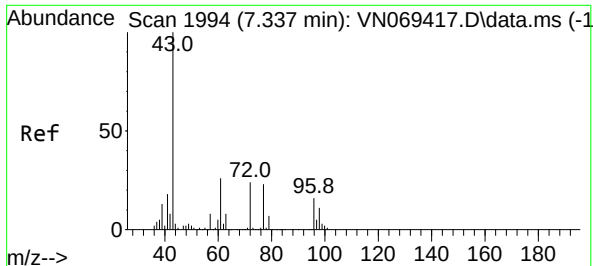
Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 128.8 56.6 85.0#



#16
Acetone
Concen: 3.898 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Tgt Ion: 43 Resp: 40124
Ion Ratio Lower Upper
43 100
58 27.0 23.1 34.7





#25

2-Butanone

Concen: 0.576 ug/l

RT: 7.332 min Scan# 1994

Delta R.T. -0.005 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

Instrument :

MSVOA_N

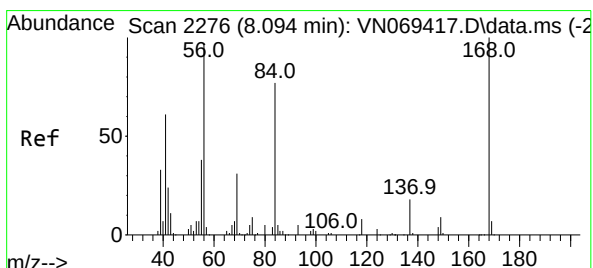
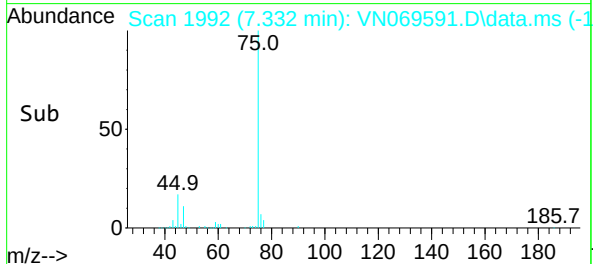
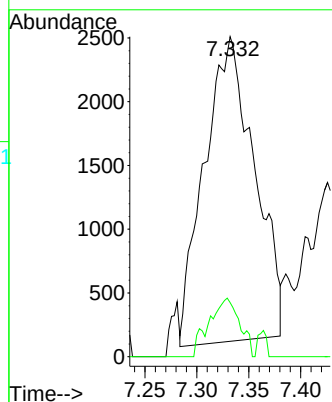
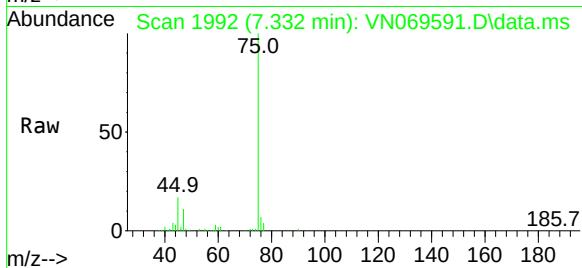
ClientSampleId :

Tgt Ion: 43 Resp: 8033

Ion Ratio Lower Upper

43 100

72 18.1 21.7 32.5#



#31

Cyclohexane

Concen: 1.371 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

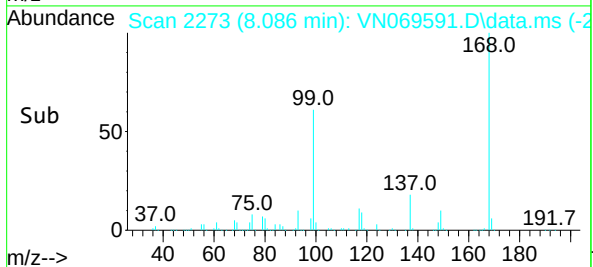
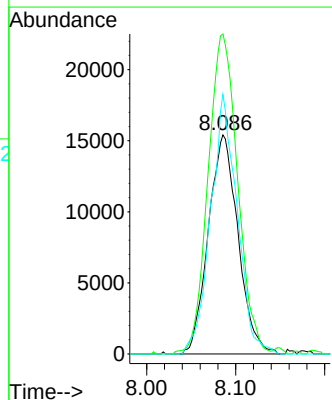
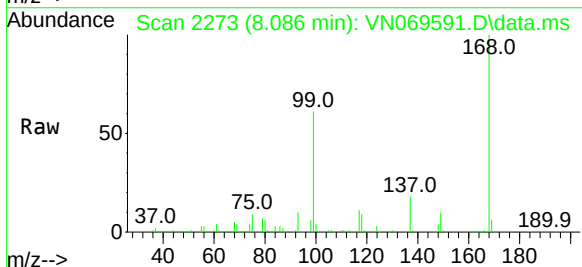
Tgt Ion: 56 Resp: 35744

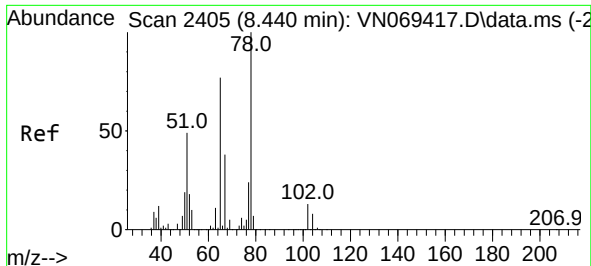
Ion Ratio Lower Upper

56 100

69 144.6 27.1 40.7#

84 118.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.090 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

Instrument :

MSVOA_N

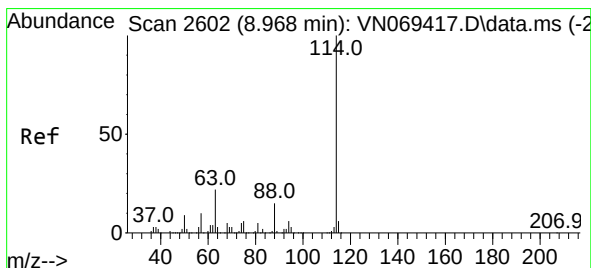
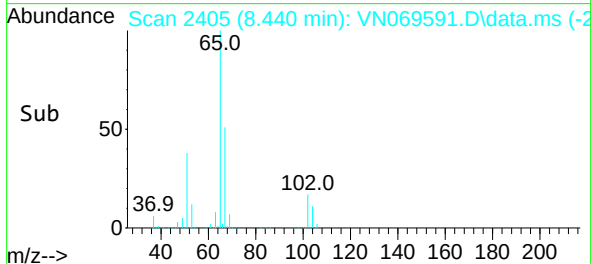
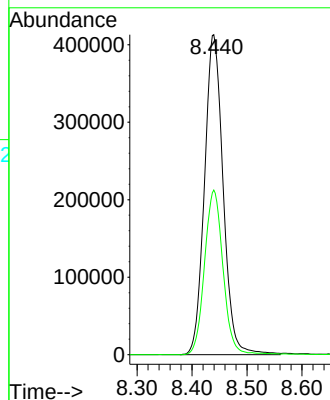
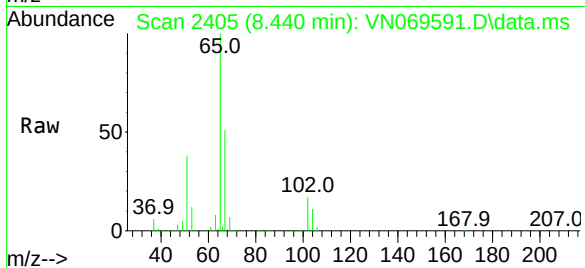
ClientSampleId :

Tgt Ion: 65 Resp: 974774

Ion Ratio Lower Upper

65 100

67 50.4 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: VN069591.D

Acq: 19 Nov 2021 17:48

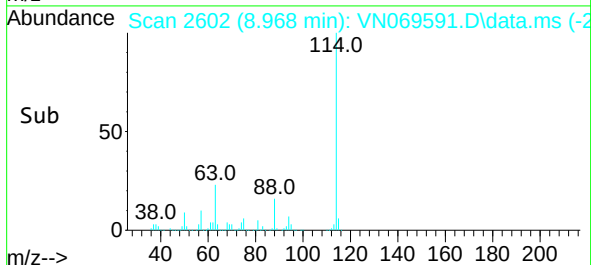
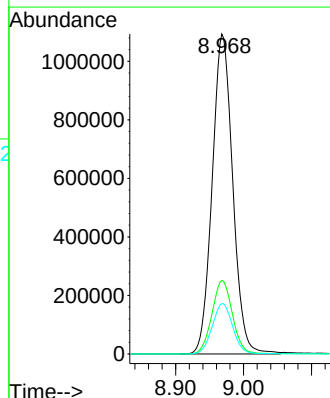
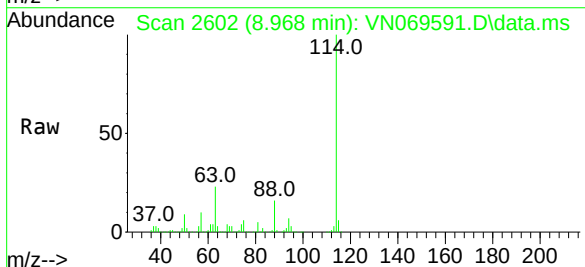
Tgt Ion: 114 Resp: 2292248

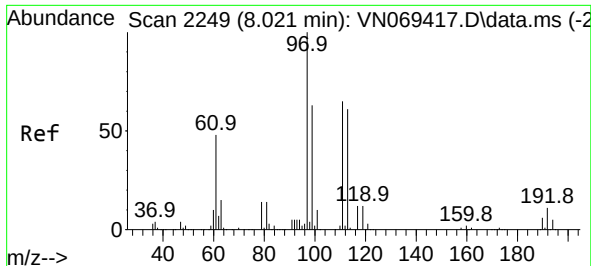
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 15.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 49.330 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

Instrument :

MSVOA_N

ClientSampleId :

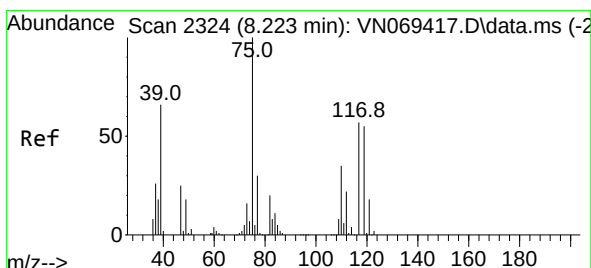
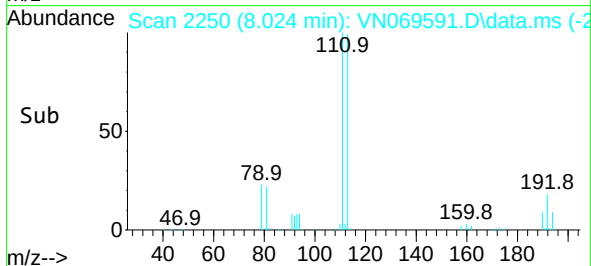
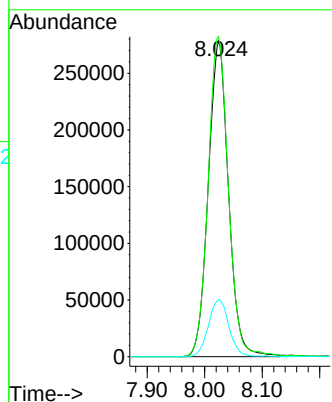
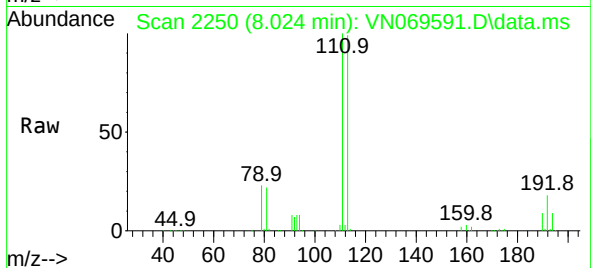
Tgt Ion:113 Resp: 678179

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

192 18.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.771 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.137 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

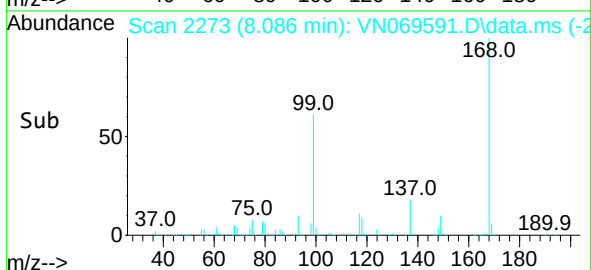
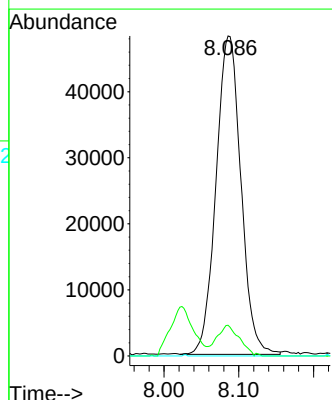
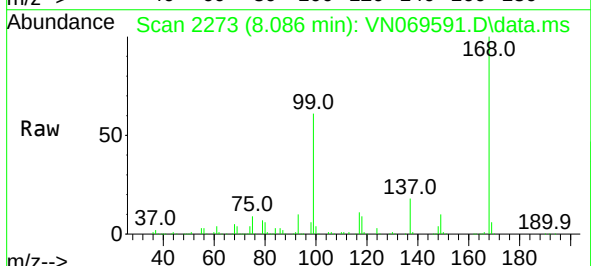
Tgt Ion: 75 Resp: 111303

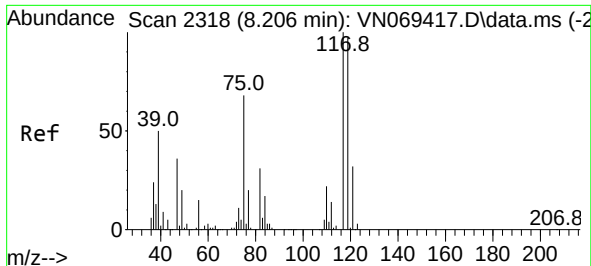
Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

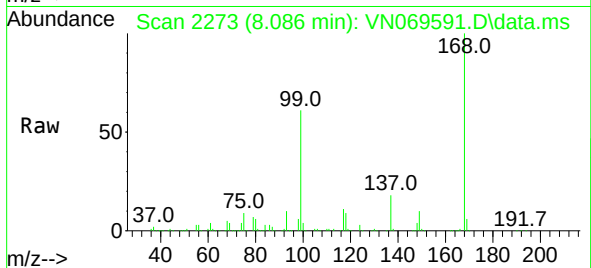
77 0.0 24.4 36.6#



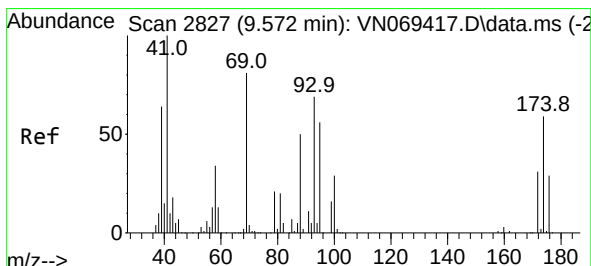
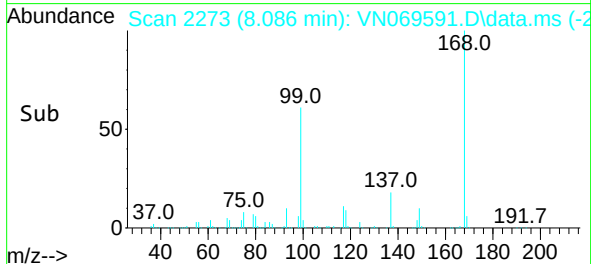
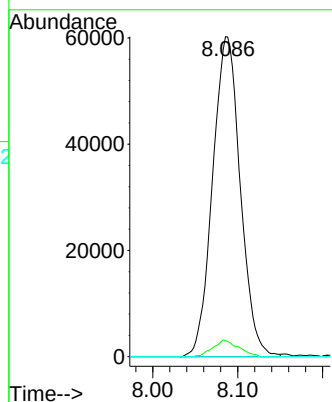


#38
Carbon Tetrachloride
Concen: 7.320 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Instrument :
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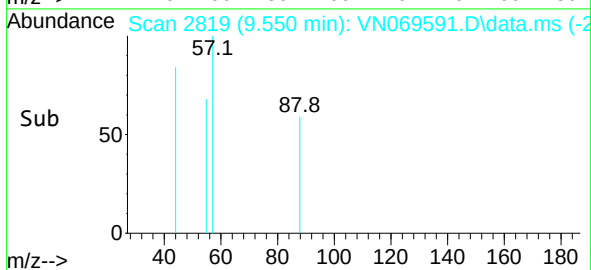
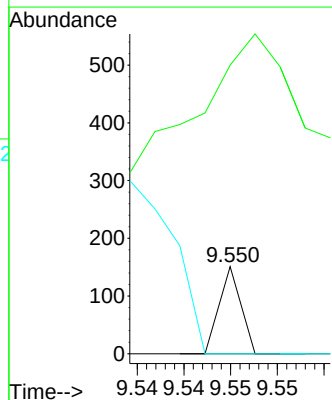
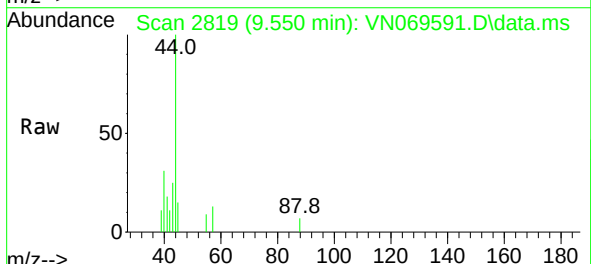


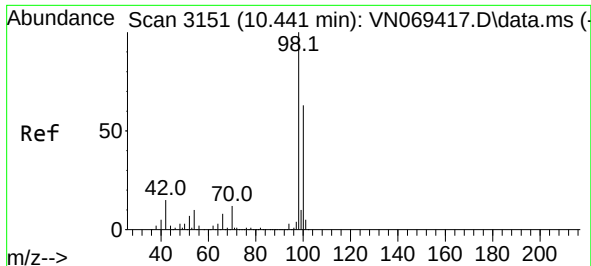
Tgt Ion:117 Resp: 136313
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.118 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.022 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 1270.8 23.4 35.2#
58 783.3 50.6 75.8#

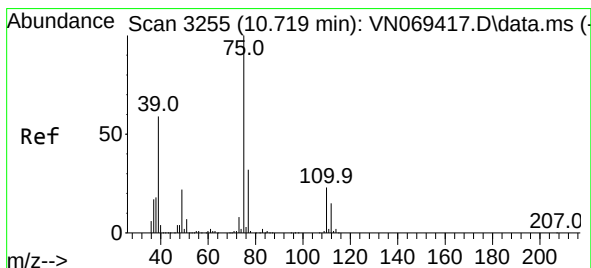
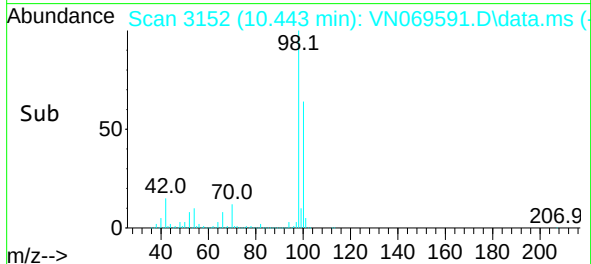
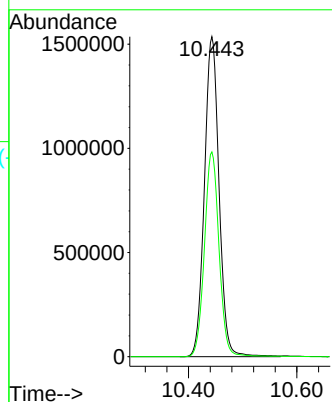
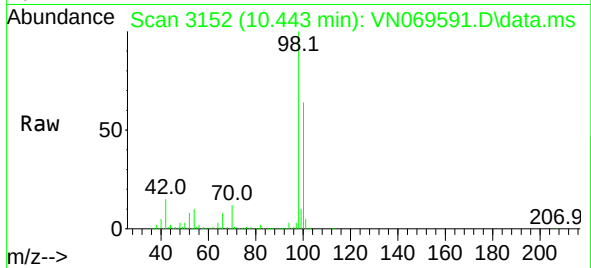




#50
Toluene-d8
Concen: 53.387 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

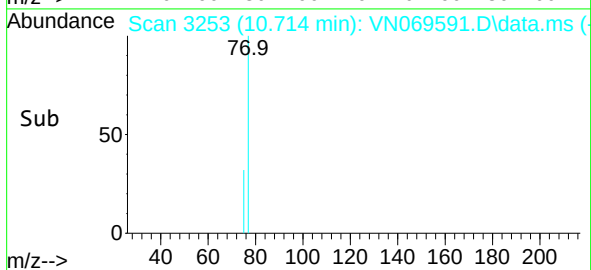
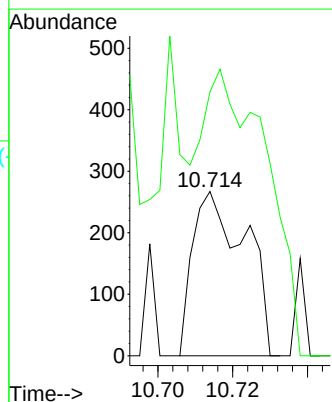
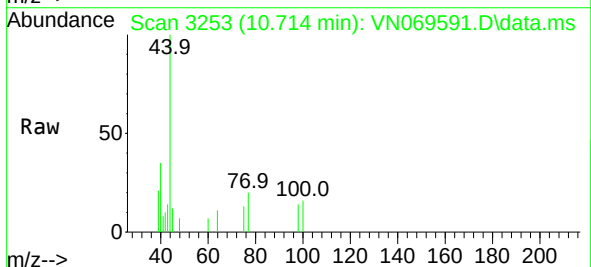
Instrument :
MSVOA_N
ClientSampleId :

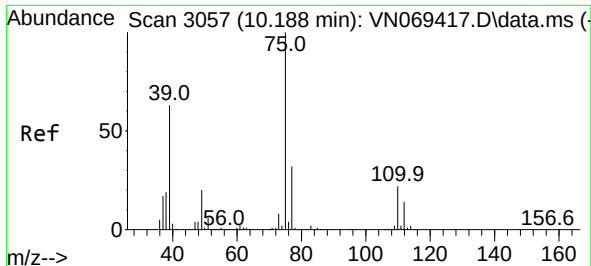
Tgt Ion: 98 Resp: 2886660
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.648 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

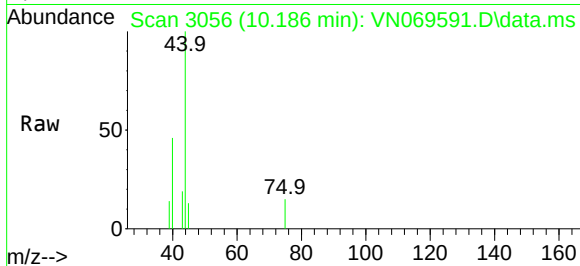
Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
77 76.4 25.6 38.4#



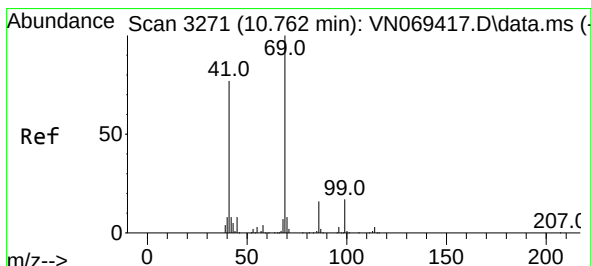
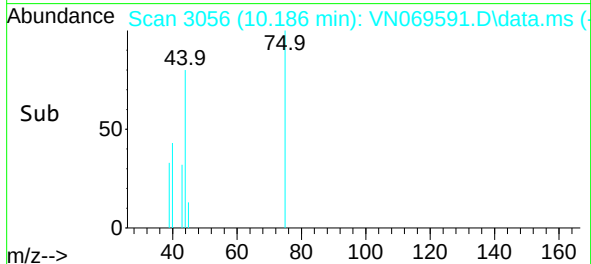
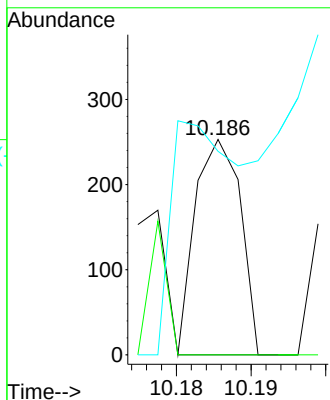


#54
 cis-1,3-Dichloropropene
 Concen: 1.737 ug/l
 RT: 10.186 min Scan# 3057
 Delta R.T. -0.002 min
 Lab File: VN069591.D
 Acq: 19 Nov 2021 17:48

Instrument :
 MSVOA_N
 ClientSampleId :

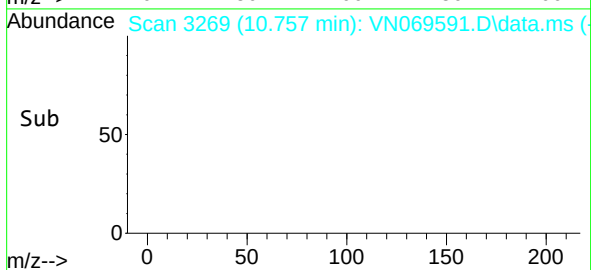
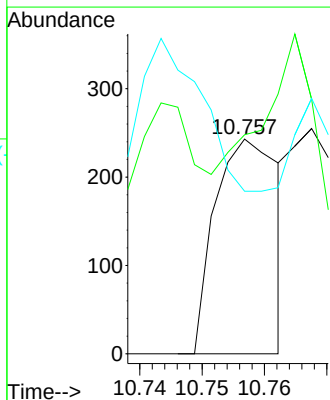
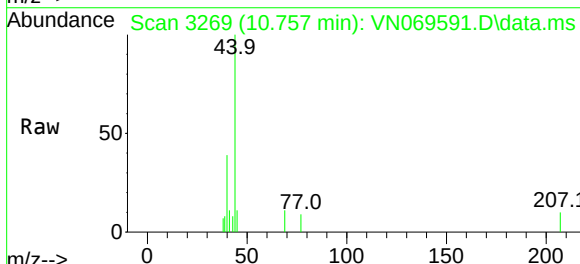


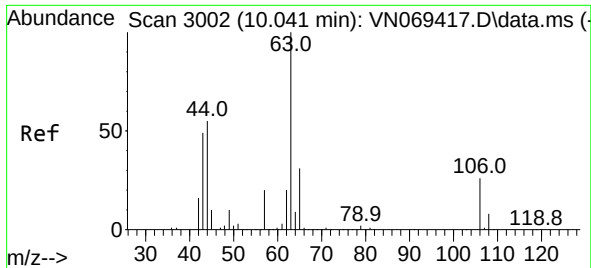
Tgt Ion: 75 Resp: 107
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 0.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.059 ug/l
 RT: 10.757 min Scan# 3269
 Delta R.T. -0.005 min
 Lab File: VN069591.D
 Acq: 19 Nov 2021 17:48

Tgt Ion: 69 Resp: 170
 Ion Ratio Lower Upper
 69 100
 41 131.8 51.4 77.0#
 39 26.5 34.6 52.0#

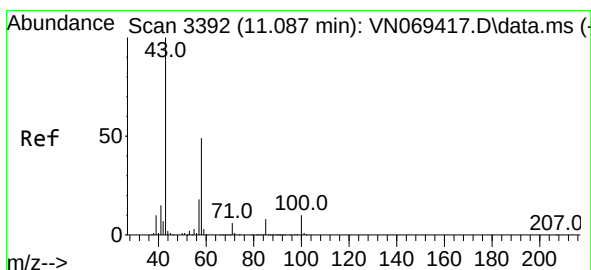
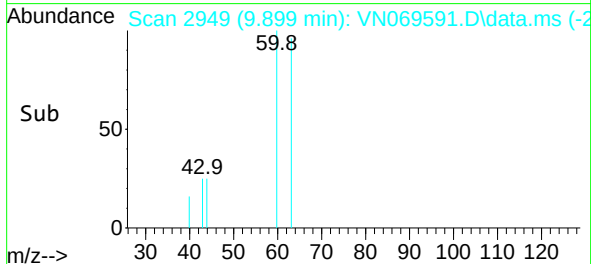
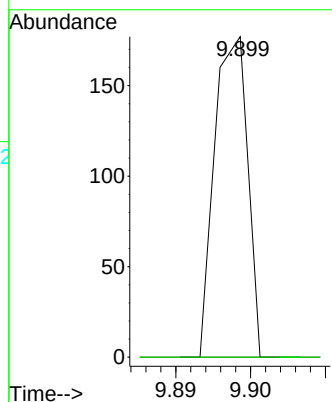
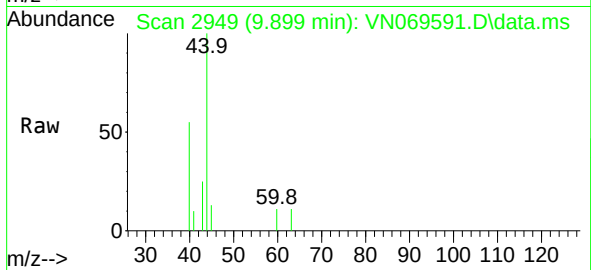




#58
2-Chloroethyl Vinyl ether
Concen: 22.777 ug/l
RT: 9.899 min Scan# 2949
Delta R.T. -0.142 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

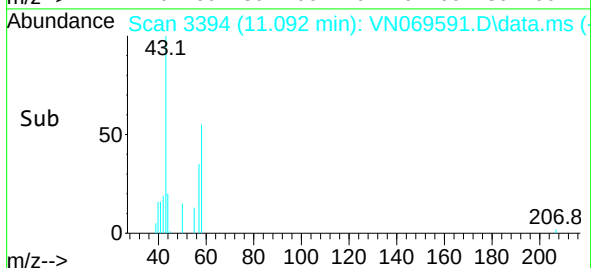
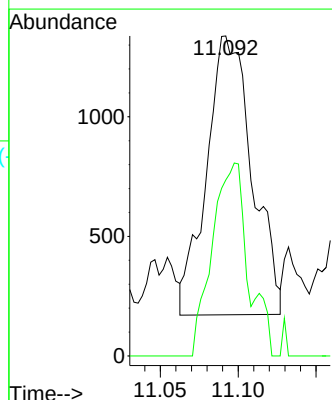
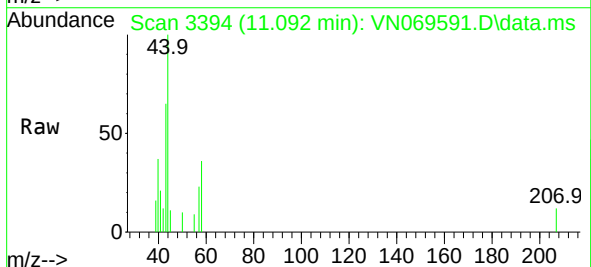
Instrument :
MSVOA_N
ClientSampleId :

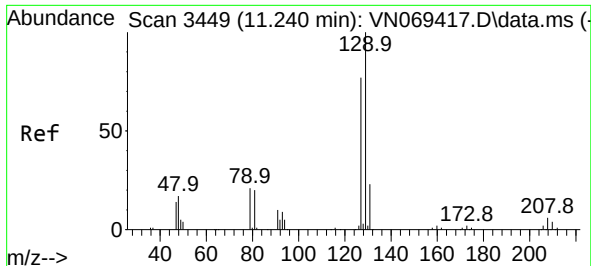
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.042 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 49.8 26.9 80.7

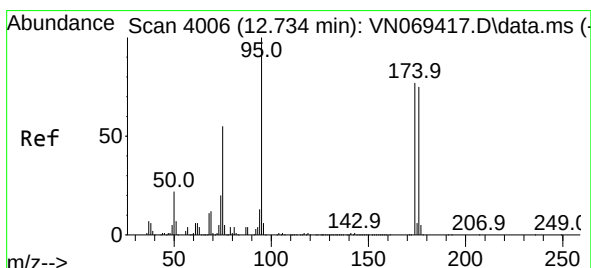
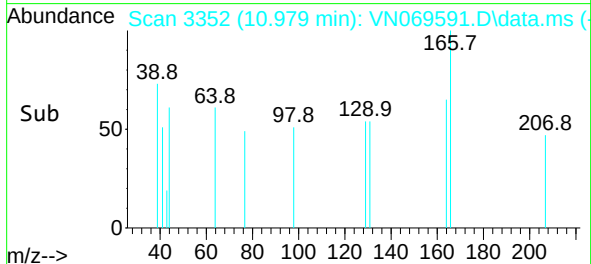
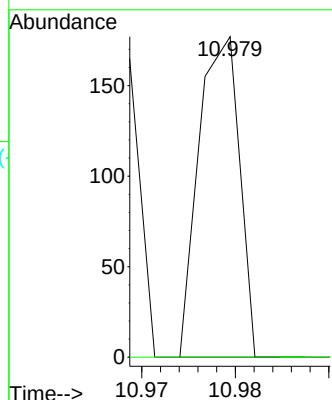
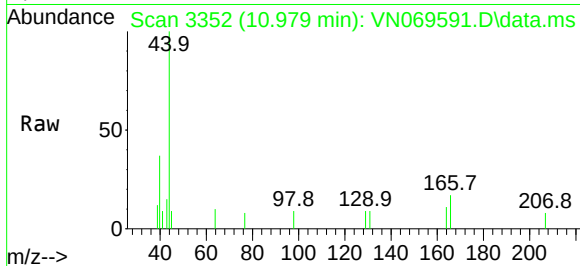




#60
Dibromochloromethane
Concen: 2.420 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

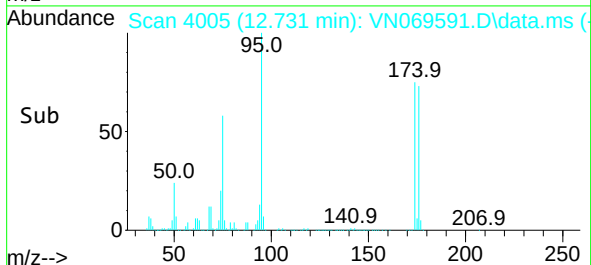
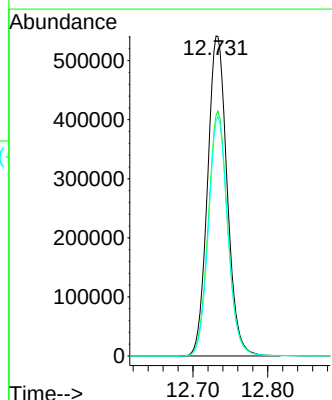
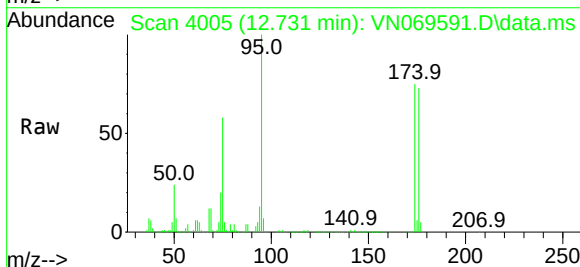
Instrument :
MSVOA_N
ClientSampleId :

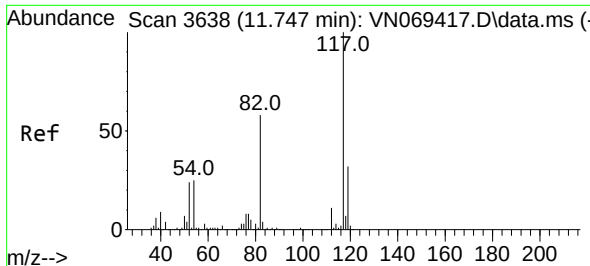
Tgt Ion:129 Resp: 53
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.549 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Tgt Ion: 95 Resp: 984204
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.8 0.0 181.4

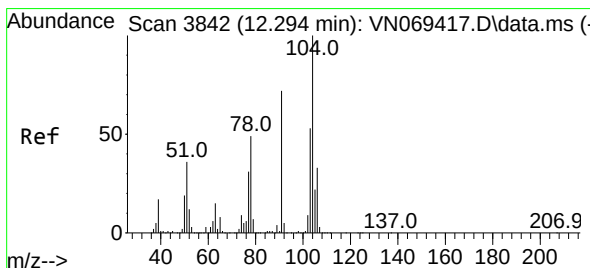
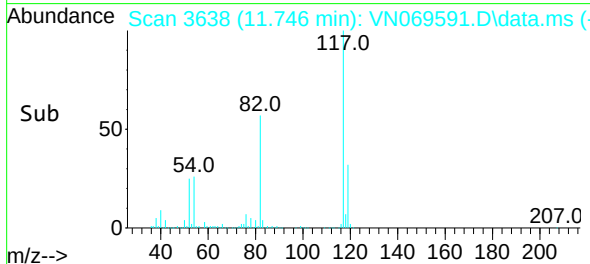
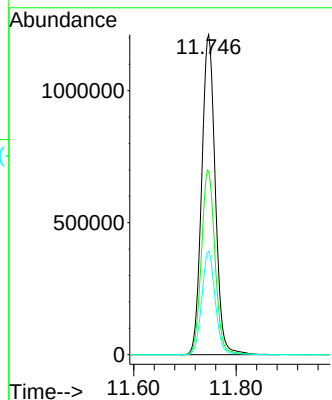
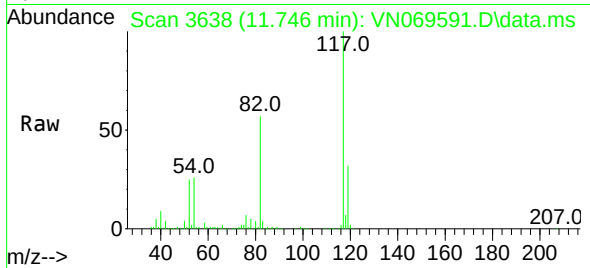




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

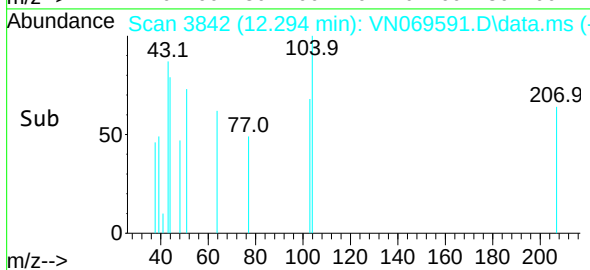
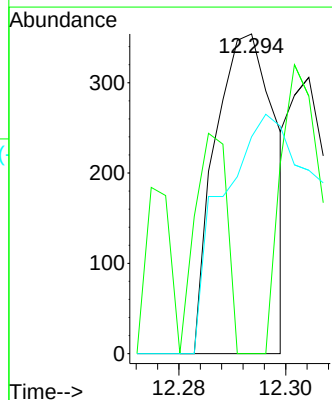
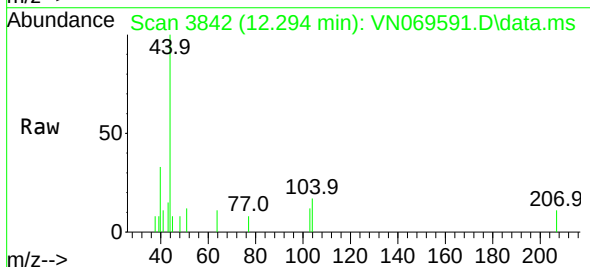
Instrument :
MSVOA_N
ClientSampleId :

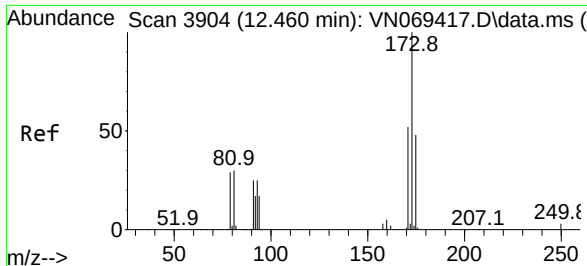
Tgt Ion:117 Resp: 2228848
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 32.3 25.4 38.2



#70
Styrene
Concen: 1.526 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

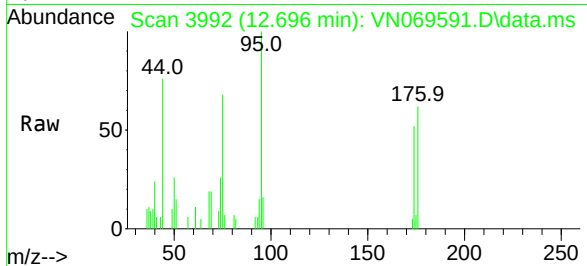
Tgt Ion:104 Resp: 277
Ion Ratio Lower Upper
104 100
78 57.0 38.7 58.1
103 110.5 45.0 67.6#



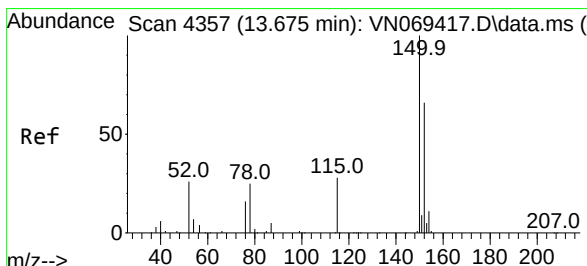
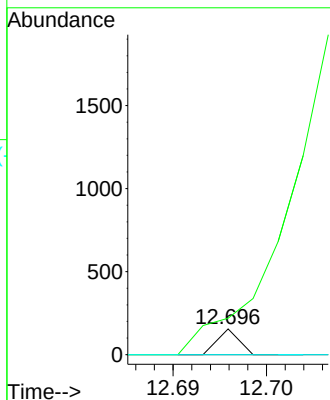
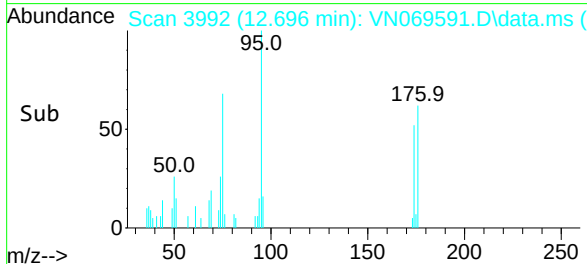


#71
Bromoform
Concen: 3.430 ug/l
RT: 12.696 min Scan# 3904
Delta R.T. 0.236 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

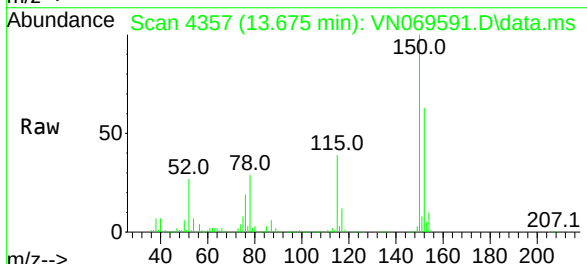
Instrument :
MSVOA_N
ClientSampleId :



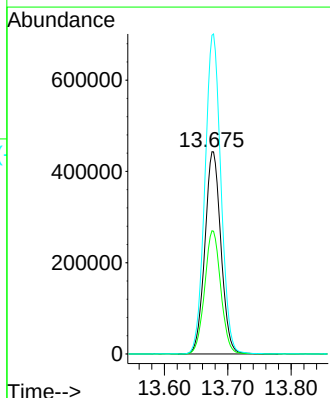
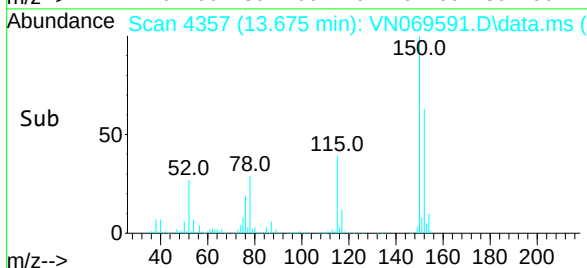
Tgt Ion:173 Resp: 25
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

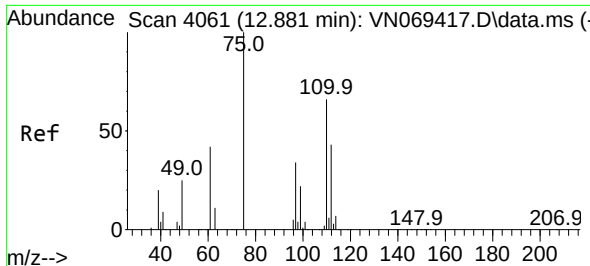


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48



Tgt Ion:152 Resp: 780067
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.5 0.0 344.4

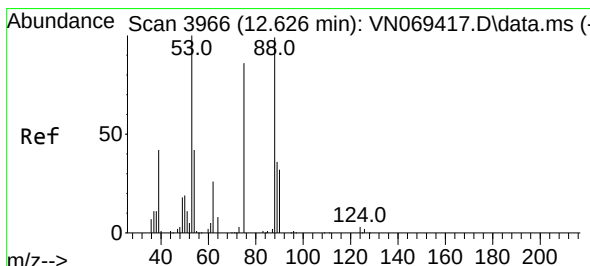
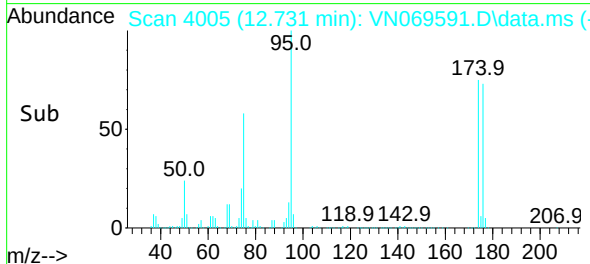
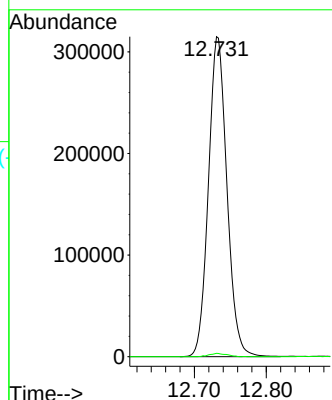
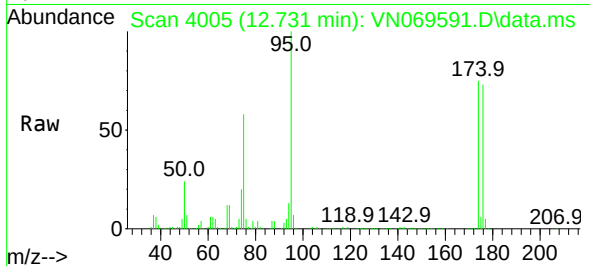




#76
1,2,3-Trichloropropane
Concen: 31.253 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

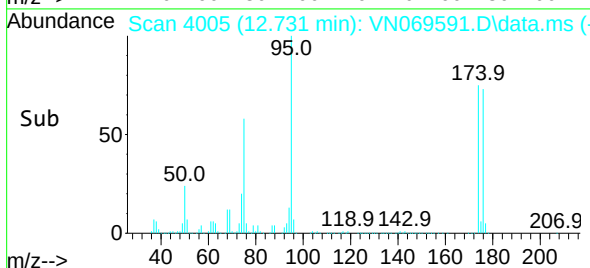
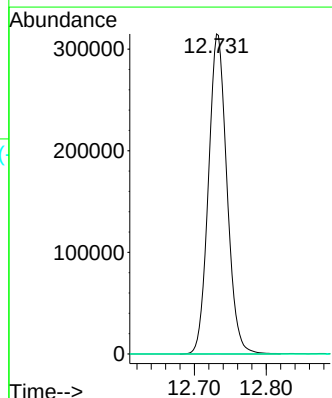
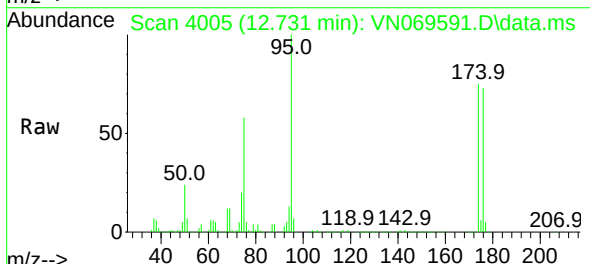
Instrument :
MSVOA_N
ClientSampleId :

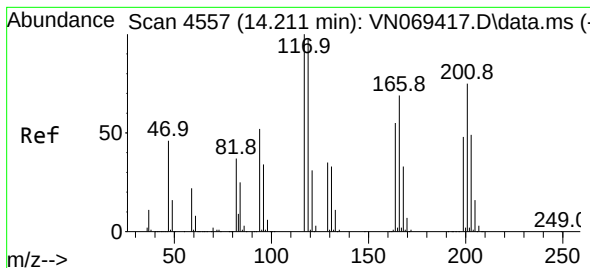
Tgt Ion: 75 Resp: 562613
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.048 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

Tgt Ion: 75 Resp: 562613
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#90

Hexachloroethane

Concen: 2.167 ug/l

RT: 14.372 min Scan# 4

Delta R.T. 0.161 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

Instrument :

MSVOA_N

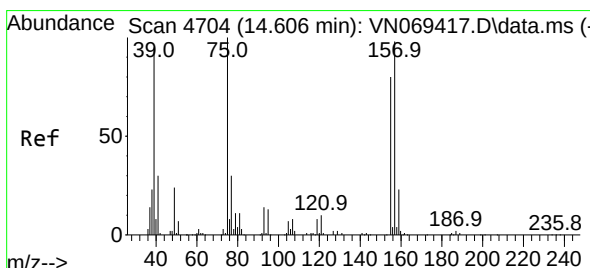
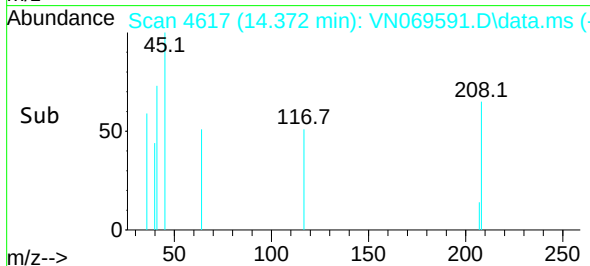
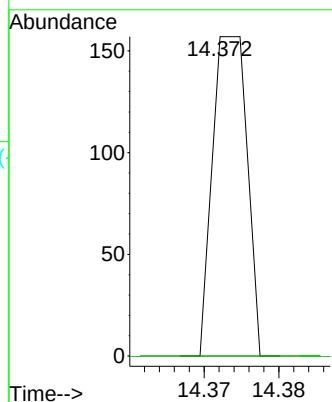
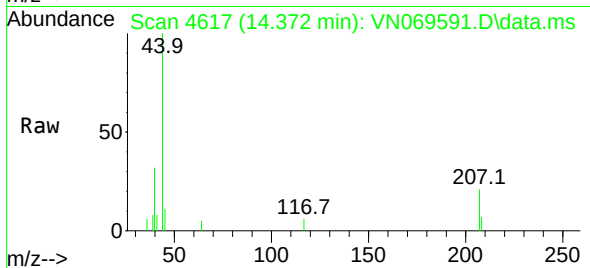
ClientSampleId :

Tgt Ion:117 Resp: 51

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.809 ug/l

RT: 14.737 min Scan# 4753

Delta R.T. 0.131 min

Lab File: VN069591.D

Acq: 19 Nov 2021 17:48

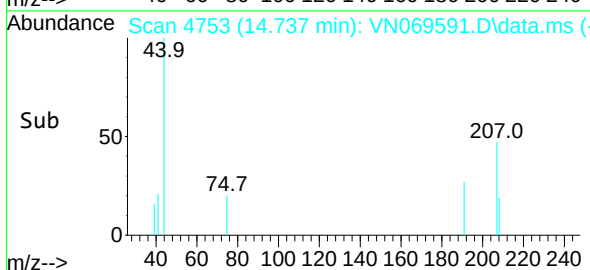
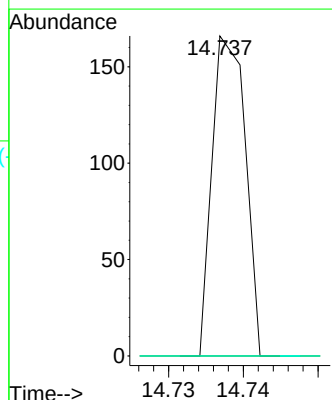
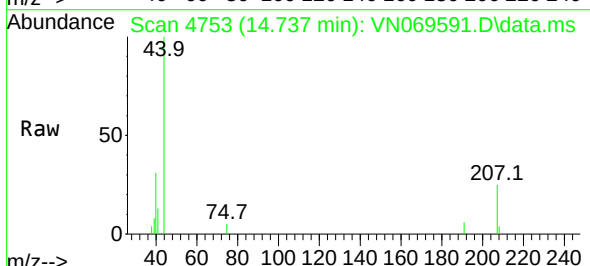
Tgt Ion: 75 Resp: 51

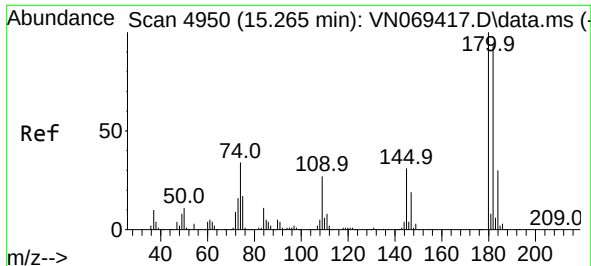
Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

157 0.0 60.6 181.7#

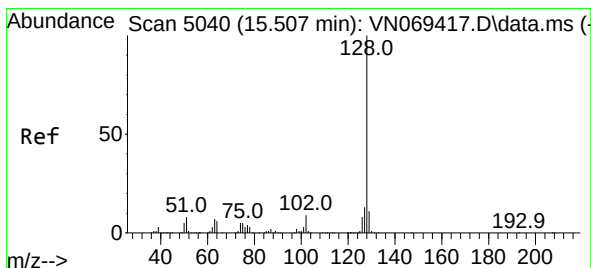
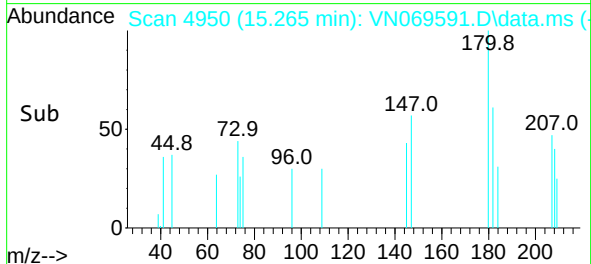
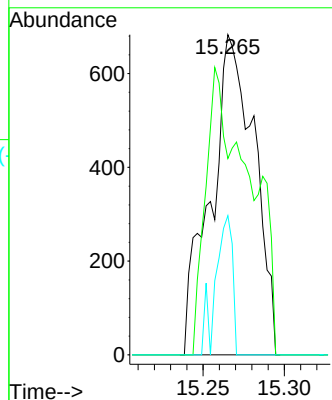
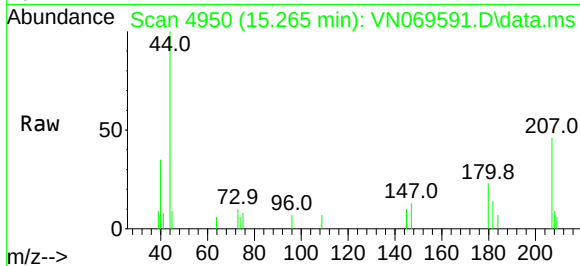




#93
1,2,4-Trichlorobenzene
Concen: 3.211 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

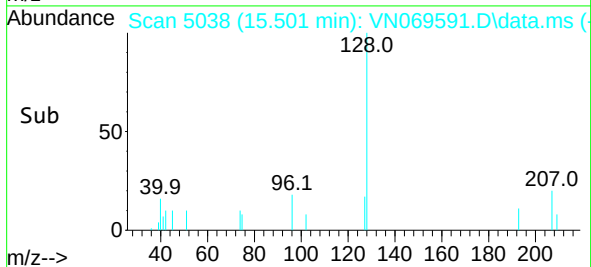
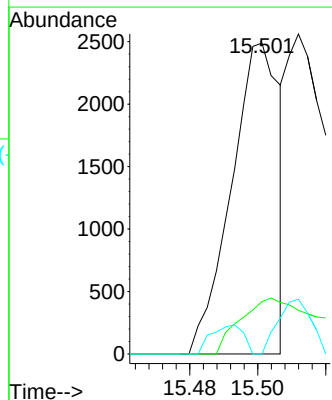
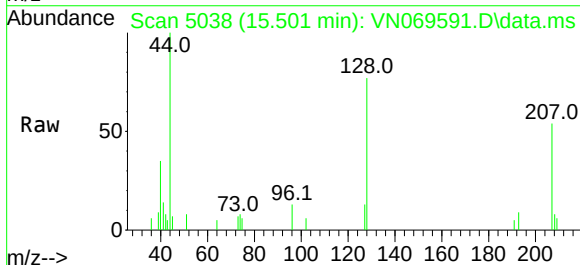
Instrument :
MSVOA_N
ClientSampleId :

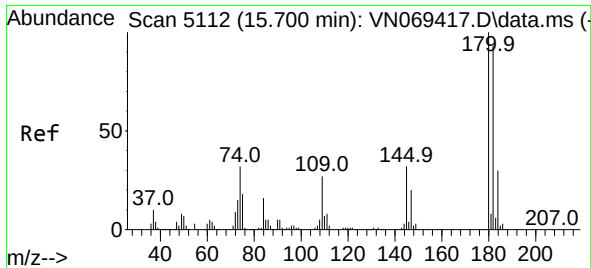
Tgt Ion:180 Resp: 1277
Ion Ratio Lower Upper
180 100
182 42.1 48.3 144.9#
145 16.7 14.5 43.5



#95
Naphthalene
Concen: 4.515 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069591.D
Acq: 19 Nov 2021 17:48

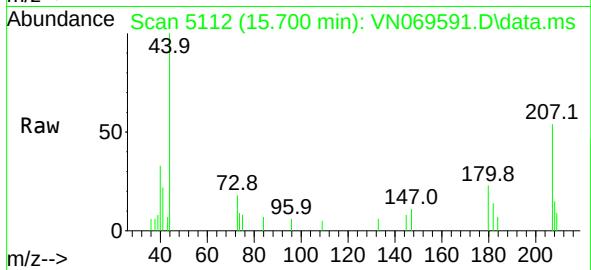
Tgt Ion:128 Resp: 2437
Ion Ratio Lower Upper
128 100
127 27.6 10.5 15.7#
129 12.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.271 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN069591.D
 Acq: 19 Nov 2021 17:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1269
 Ion Ratio Lower Upper
 180 100
 182 30.5 47.4 142.2#
 145 34.0 15.0 45.1

