

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120121\
 Data File : VN069695.D
 Acq On : 1 Dec 2021 17:00
 Operator : JC/MD
 Sample : M4892-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 07:26:28 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

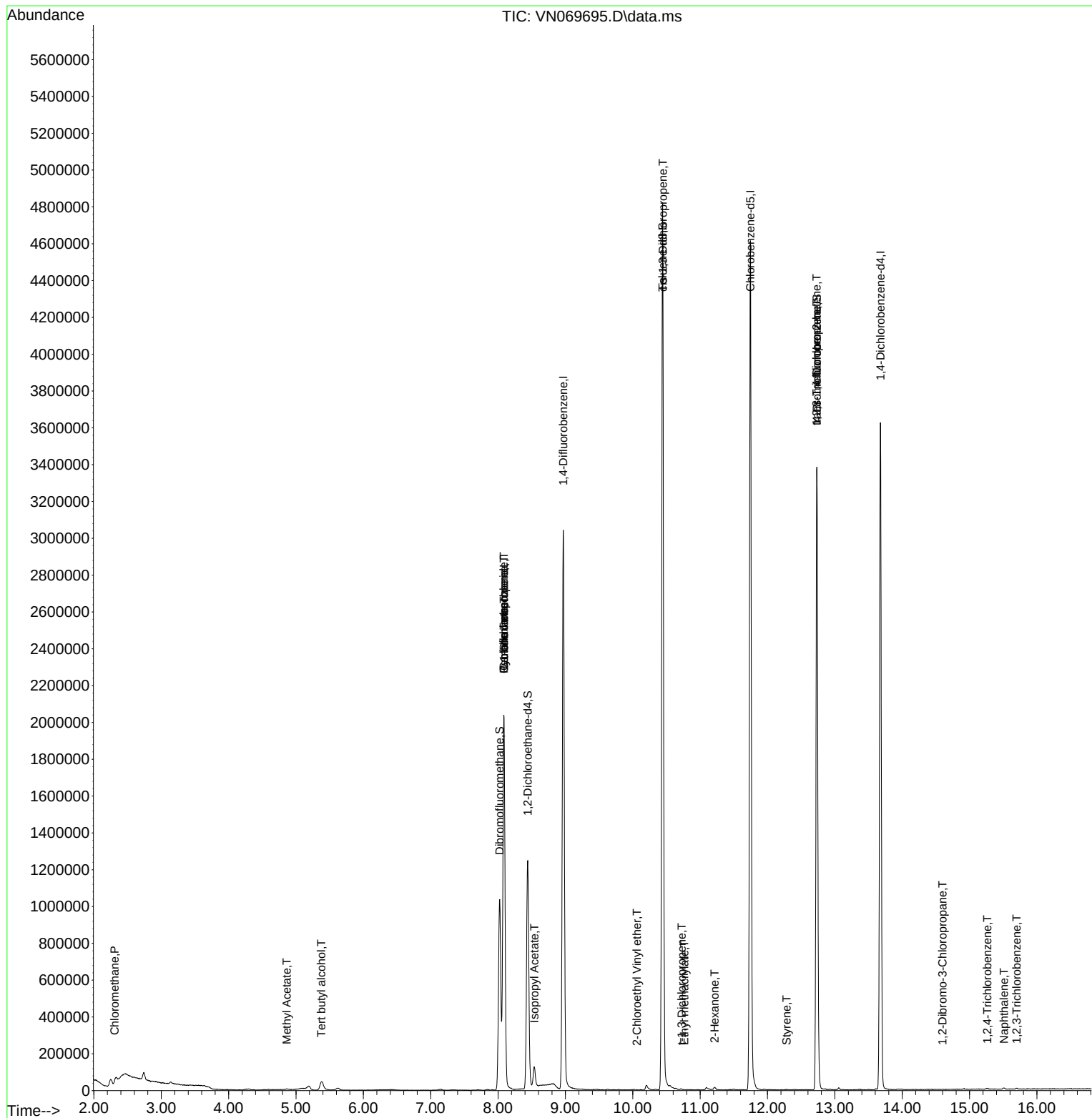
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1490827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2591504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2602725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	984913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1098329	50.810	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.620%	
35) Dibromofluoromethane	8.024	113	761077	48.967	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.940%	
50) Toluene-d8	10.443	98	3273285	53.547	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.100%	
62) 4-Bromofluorobenzene	12.733	95	1190303	53.004	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 106.000%	
Target Compounds						Qvalue
3) Chloromethane	2.309	50	3815	0.207	ug/l	100
11) Tert butyl alcohol	5.377	59	81510	20.926	ug/l	99
13) Acrolein	4.033	56	175	Below Cal	#	1
18) Methyl Acetate	4.865	43	8145	0.215	ug/l #	60
31) Cyclohexane	8.088	56	43160	1.461	ug/l #	47
36) 1,1-Dichloropropene	8.086	75	127516	5.848	ug/l #	48
38) Carbon Tetrachloride	8.086	117	154180	7.324	ug/l #	16
43) Isopropyl Acetate	8.539	43	25152	0.531	ug/l #	55
53) t-1,3-Dichloropropene	10.727	75	108	2.641	ug/l #	73
54) cis-1,3-Dichloropropene	10.446	75	853	1.761	ug/l #	1
56) Ethyl methacrylate	10.765	69	156	2.058	ug/l #	24
58) 2-Chloroethyl Vinyl ether	10.062	63	26	22.773	ug/l #	45
59) 2-Hexanone	11.215	43	3278	8.065	ug/l	84
70) Styrene	12.283	104	186	1.523	ug/l #	50
76) 1,2,3-Trichloropropane	12.731	75	670293	29.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	670293	83.409	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.600	75	61	1.809	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.265	180	1536	3.206	ug/l	83
95) Naphthalene	15.509	128	6023	4.577	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	1646	3.273	ug/l #	90

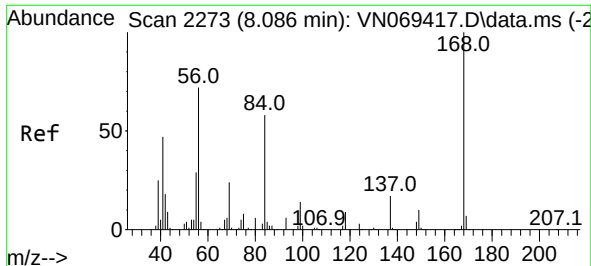
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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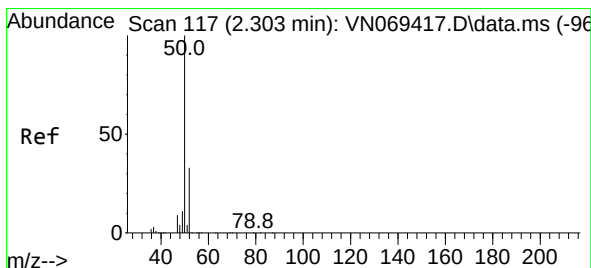
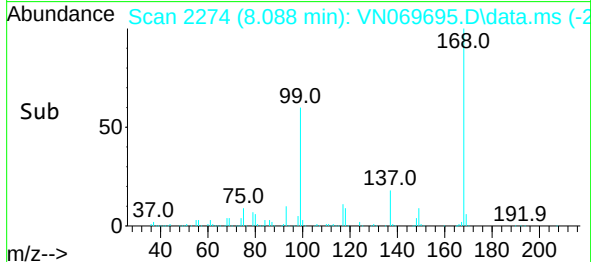
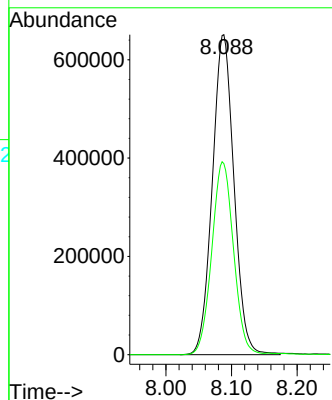
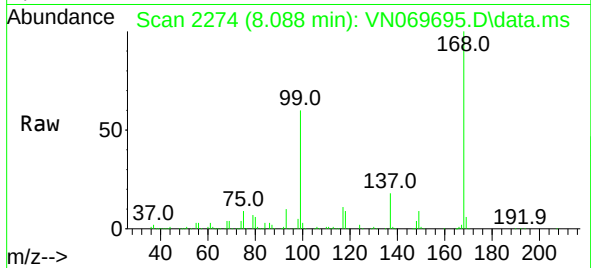




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

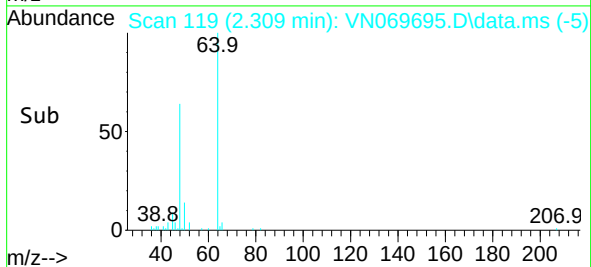
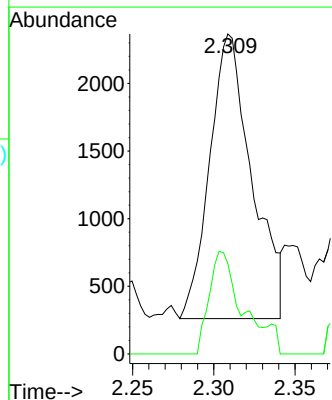
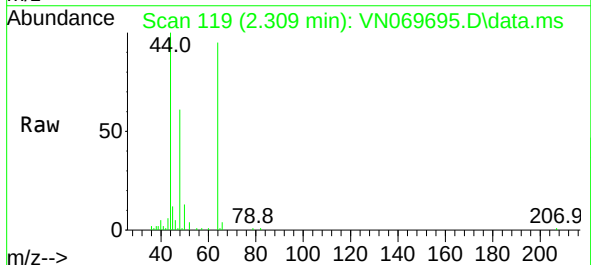
Instrument :
MSVOA_N
ClientSampleId :

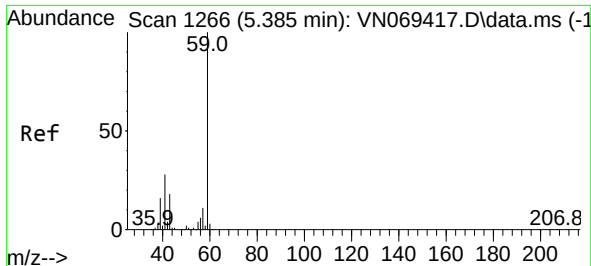
Tgt Ion:168 Resp: 1490827
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Tgt Ion: 50 Resp: 3815
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0





#11

Tert butyl alcohol

Concen: 20.926 ug/l

RT: 5.377 min Scan# 11

Delta R.T. -0.008 min

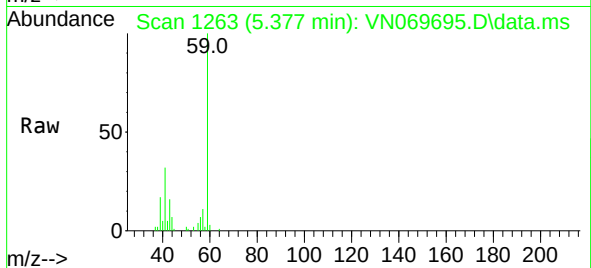
Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

Instrument :

MSVOA_N

ClientSampleId :

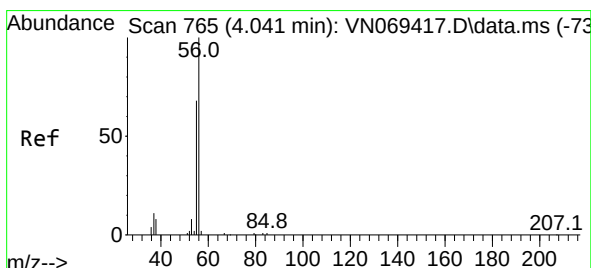
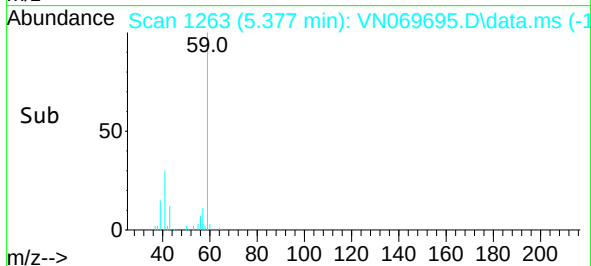
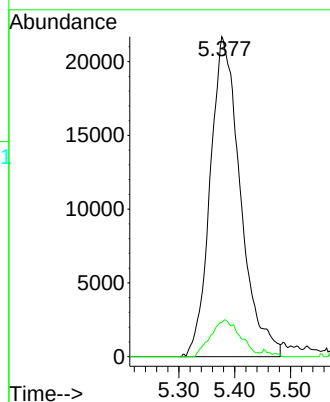


Tgt Ion: 59 Resp: 81510

Ion Ratio Lower Upper

59 100

57 11.3 8.7 13.1



#13

Acrolein

Concen: Below Cal

RT: 4.033 min Scan# 762

Delta R.T. -0.008 min

Lab File: VN069695.D

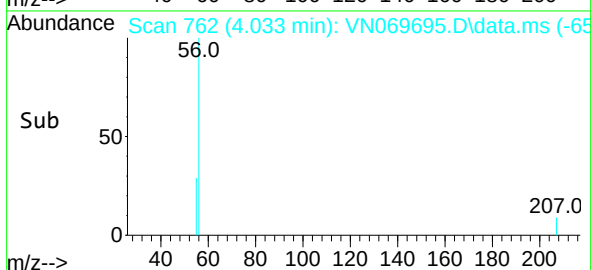
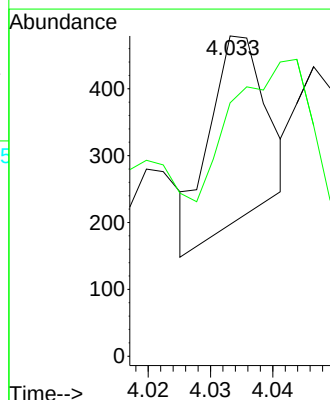
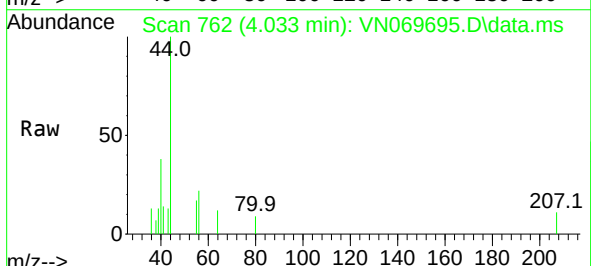
Acq: 1 Dec 2021 17:00

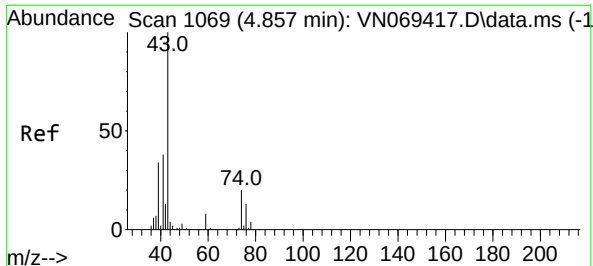
Tgt Ion: 56 Resp: 175

Ion Ratio Lower Upper

56 100

55 287.4 56.6 85.0#





#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 4.865 min Scan# 1069

Delta R.T. 0.008 min

Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

Instrument :

MSVOA_N

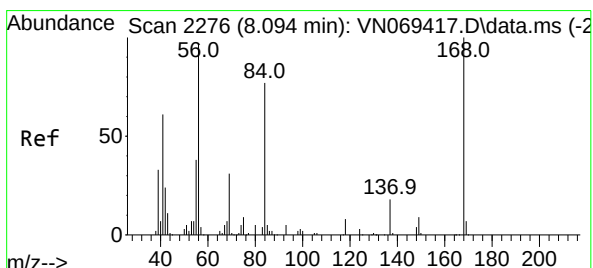
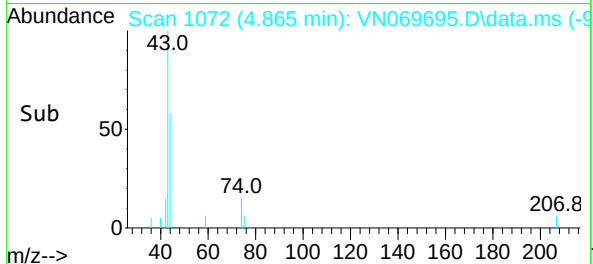
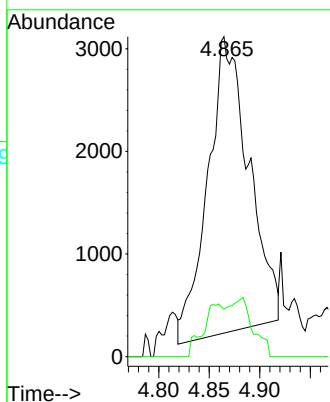
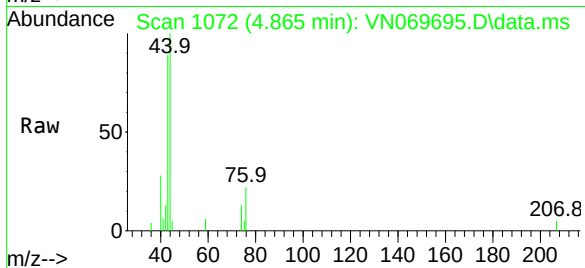
ClientSampleId :

Tgt Ion: 43 Resp: 8145

Ion Ratio Lower Upper

43 100

74 4.3 19.4 29.2#



#31

Cyclohexane

Concen: 1.461 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

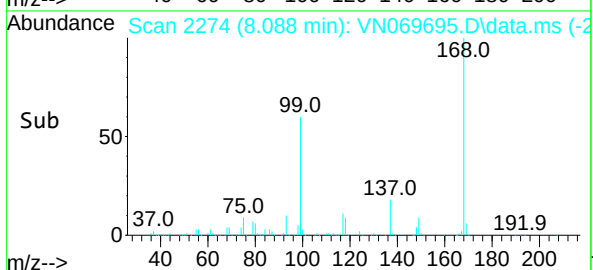
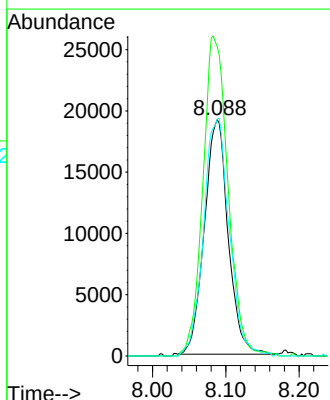
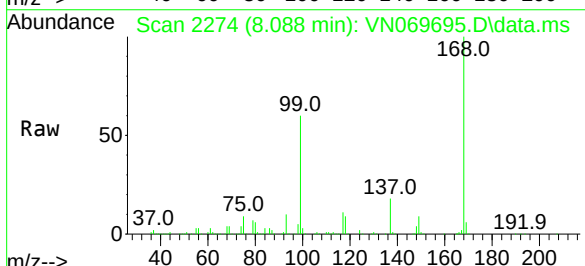
Tgt Ion: 56 Resp: 43160

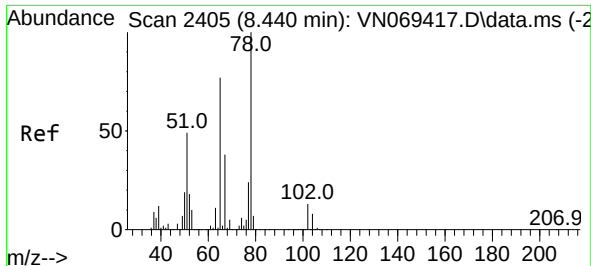
Ion Ratio Lower Upper

56 100

69 132.0 27.1 40.7#

84 101.1 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.810 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

Instrument :

MSVOA_N

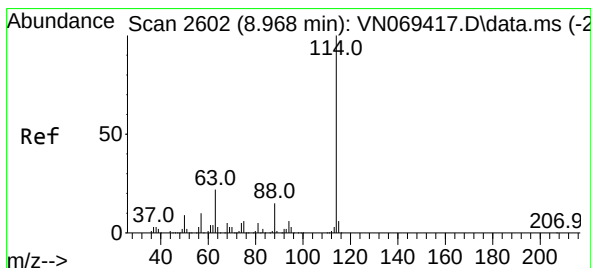
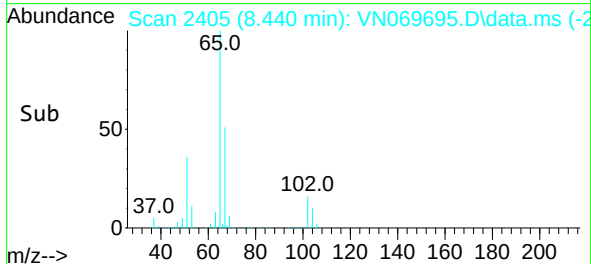
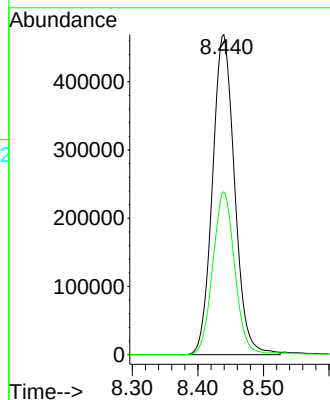
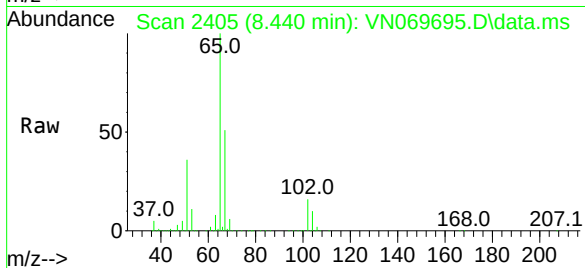
ClientSampleId :

Tgt Ion: 65 Resp: 1098329

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: VN069695.D

Acq: 1 Dec 2021 17:00

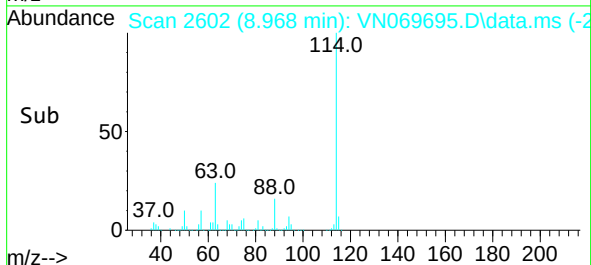
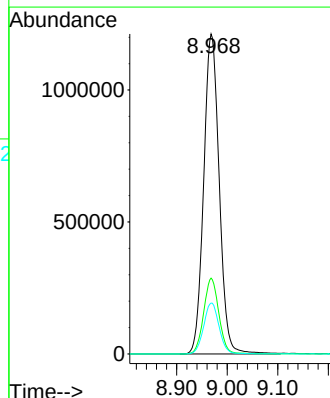
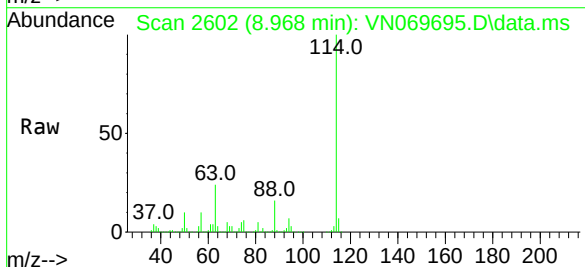
Tgt Ion: 114 Resp: 2591504

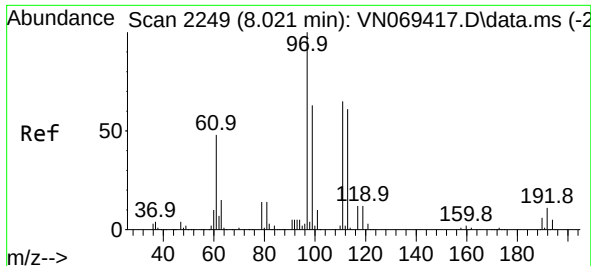
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

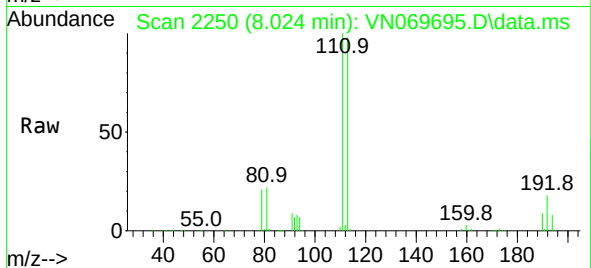
88 15.9 0.0 27.4



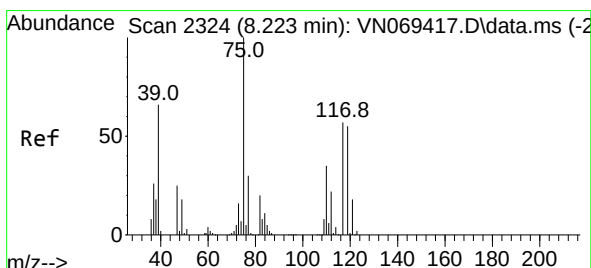
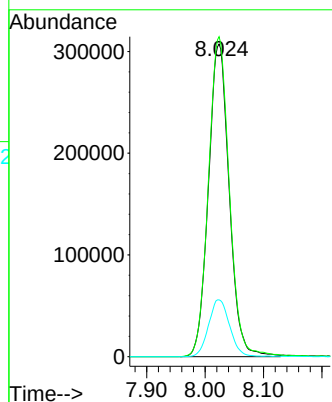
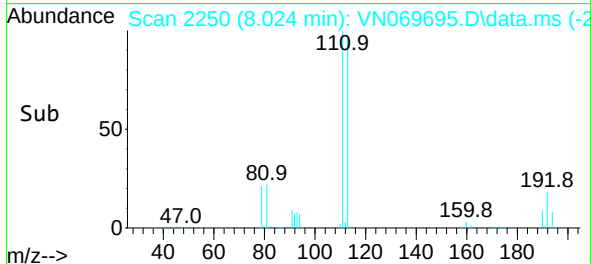


#35
Dibromofluoromethane
Concen: 48.967 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

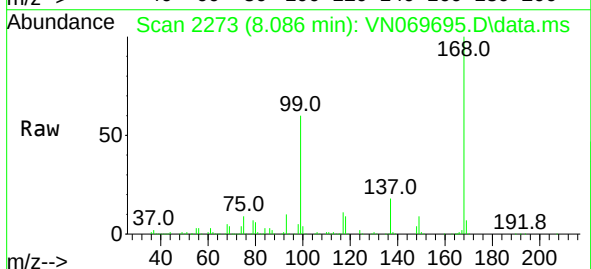
Instrument :
MSVOA_N
ClientSampleId :



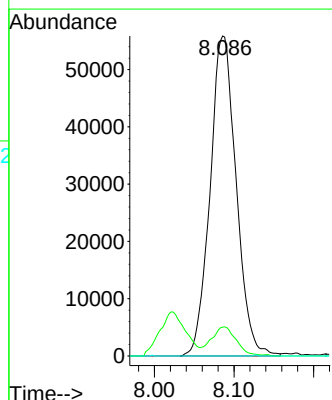
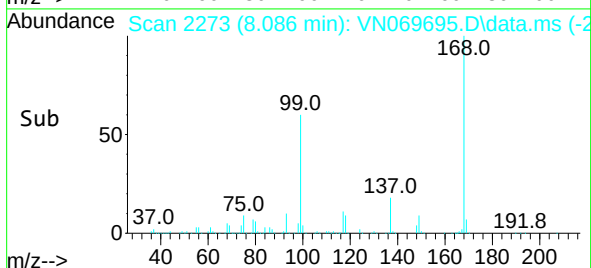
Tgt Ion:113 Resp: 761077
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.5 16.9 25.3

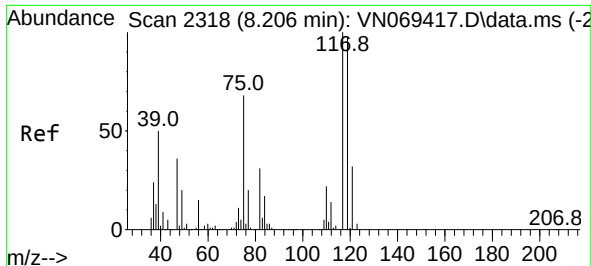


#36
1,1-Dichloropropene
Concen: 5.848 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00



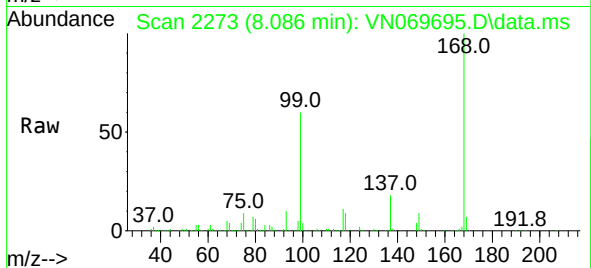
Tgt Ion: 75 Resp: 127516
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#



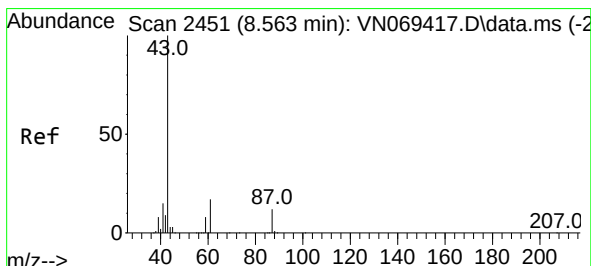
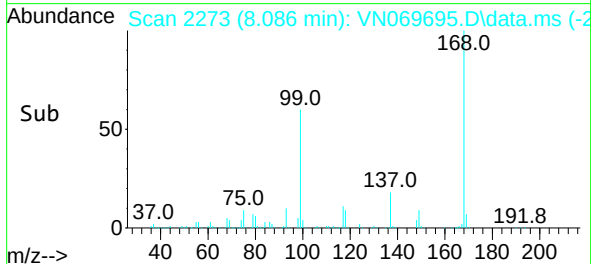
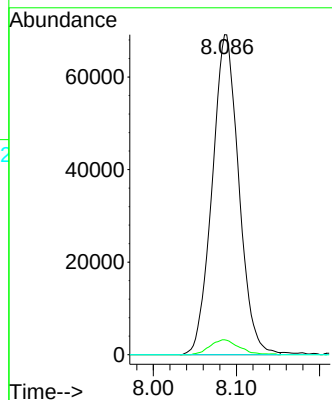


#38
Carbon Tetrachloride
Concen: 7.324 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Instrument :
MSVOA_N
ClientSampleId :

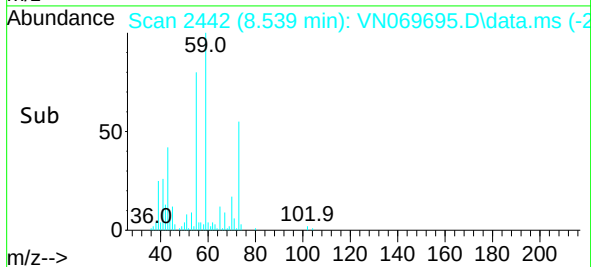
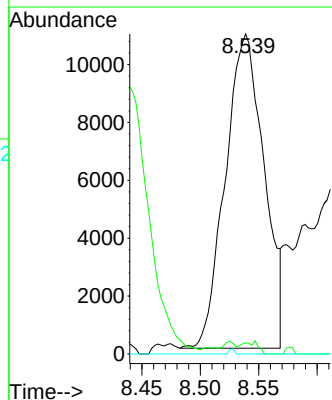
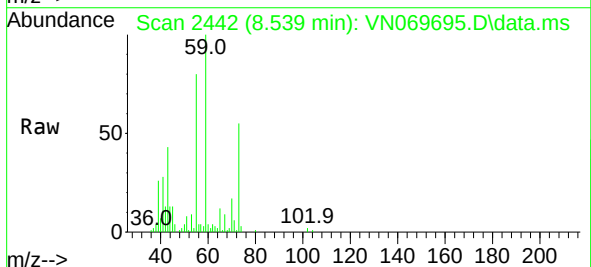


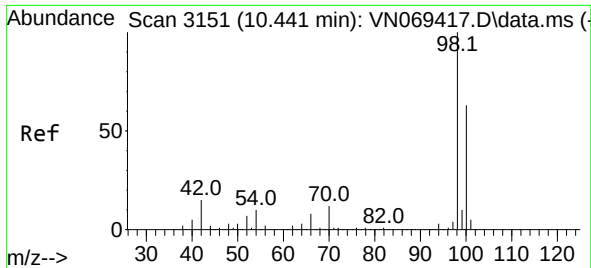
Tgt Ion:117 Resp: 154180
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.531 ug/l
RT: 8.539 min Scan# 2442
Delta R.T. -0.024 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Tgt Ion: 43 Resp: 25152
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.2 11.2 16.8#

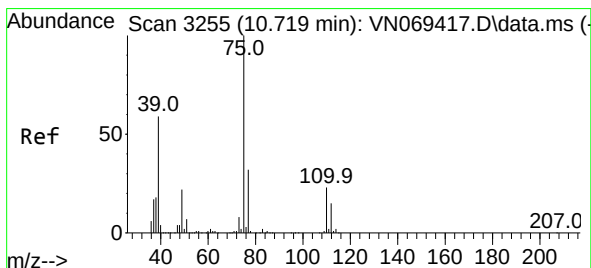
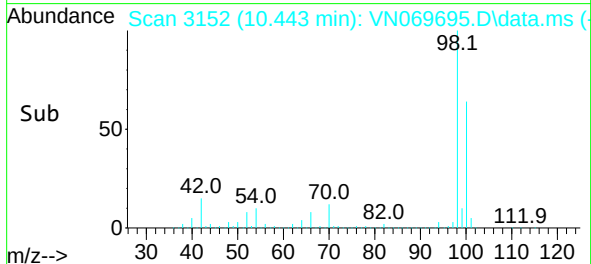
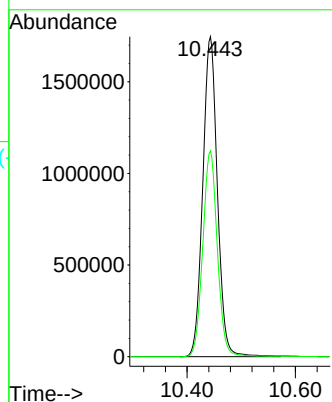
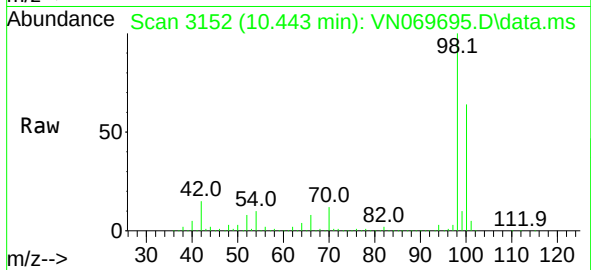




#50
Toluene-d8
Concen: 53.547 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

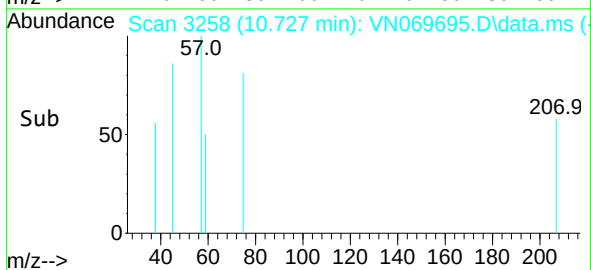
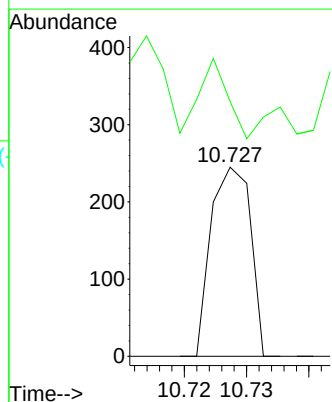
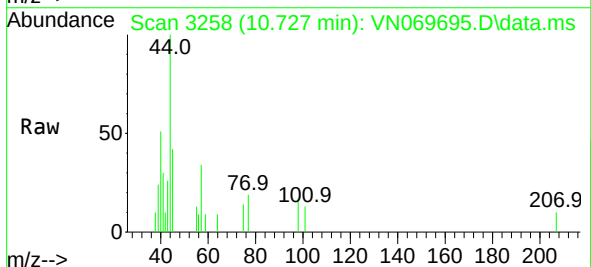
Instrument :
MSVOA_N
ClientSampleId :

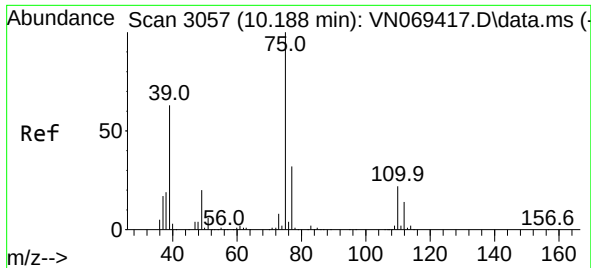
Tgt Ion: 98 Resp: 3273285
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.641 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

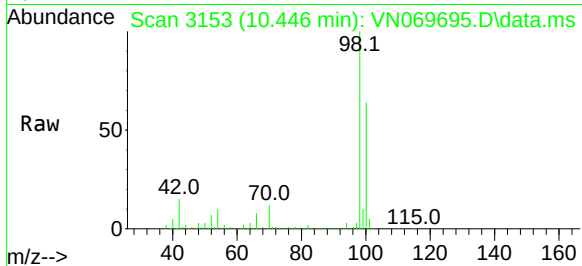
Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
77 16.7 25.6 38.4#



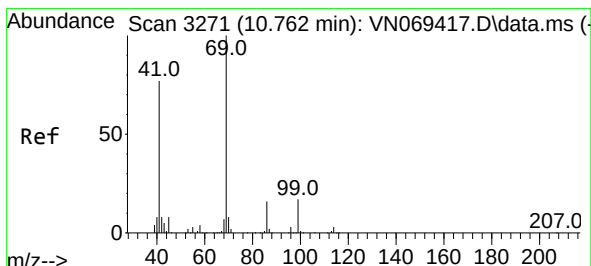
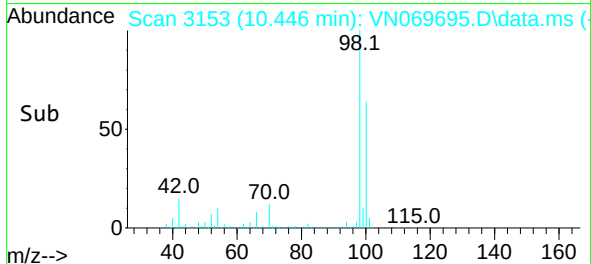
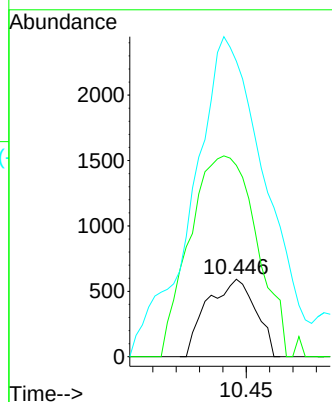


#54
cis-1,3-Dichloropropene
Concen: 1.761 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.258 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Instrument :
MSVOA_N
ClientSampleId :

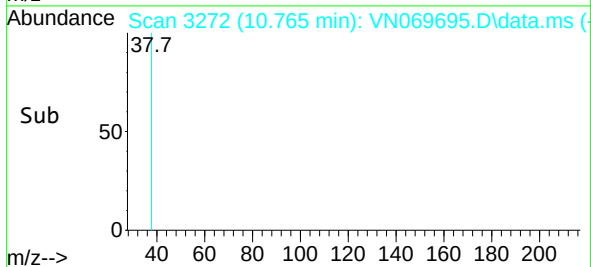
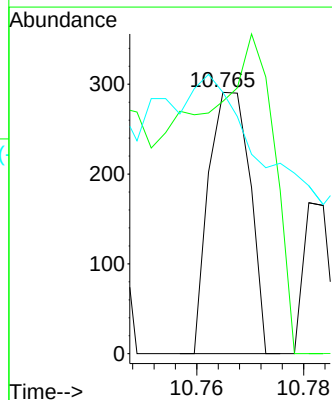
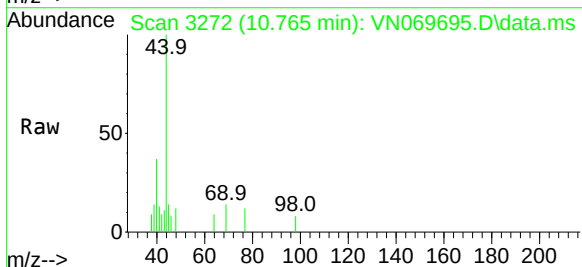


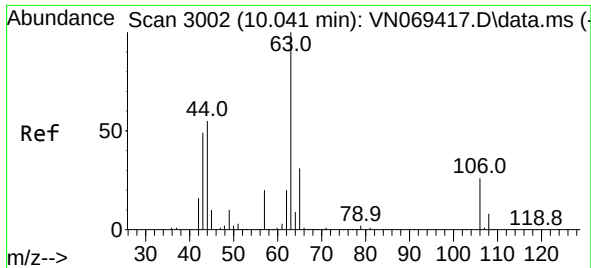
Tgt Ion: 75 Resp: 853
Ion Ratio Lower Upper
75 100
77 174.0 26.4 39.6#
39 270.5 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.058 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Tgt Ion: 69 Resp: 156
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

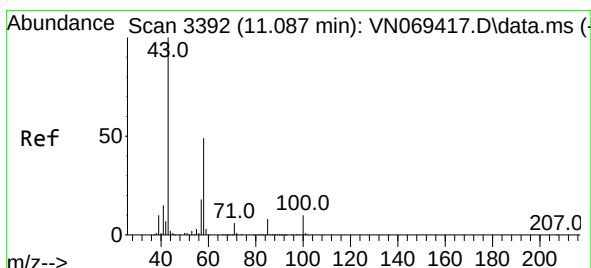
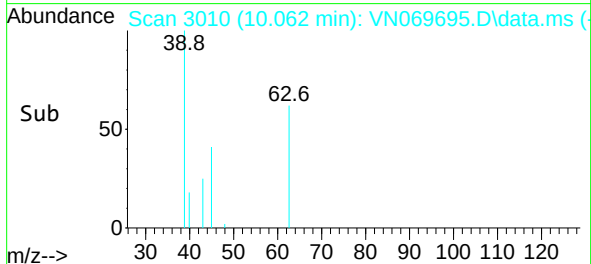
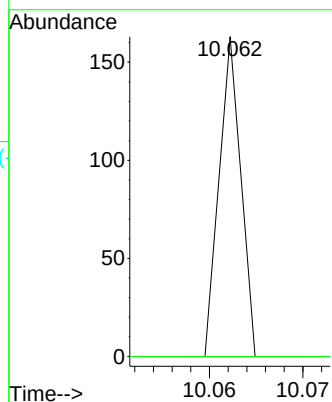
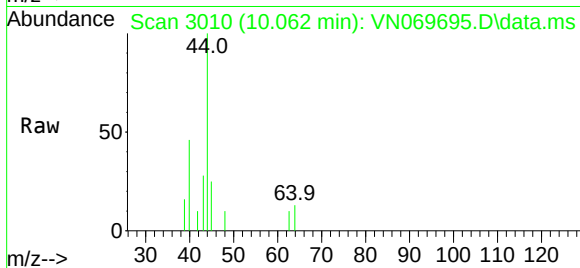




#58
2-Chloroethyl Vinyl ether
Concen: 22.773 ug/l
RT: 10.062 min Scan# 3002
Delta R.T. 0.021 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

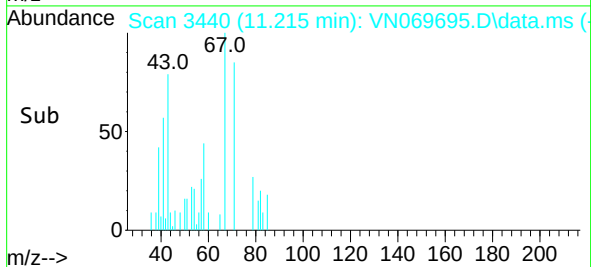
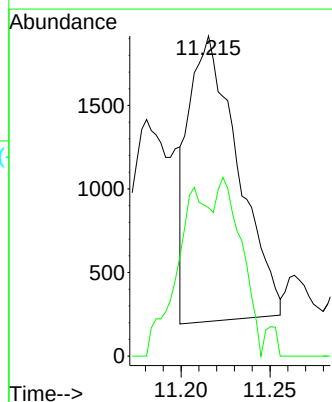
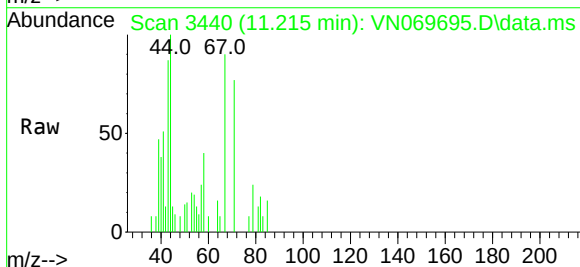
Instrument :
MSVOA_N
ClientSampleId :

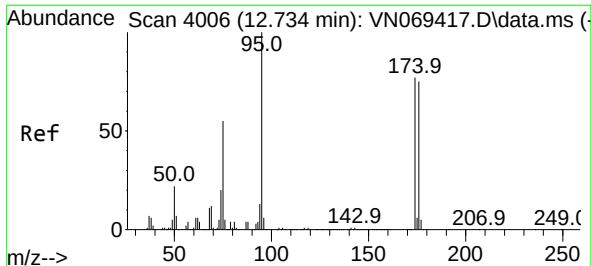
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.065 ug/l
RT: 11.215 min Scan# 3440
Delta R.T. 0.128 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
58 42.1 26.9 80.7





#62

4-Bromofluorobenzene

Concen: 53.004 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.001 min

Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

Instrument :

MSVOA_N

ClientSampleId :

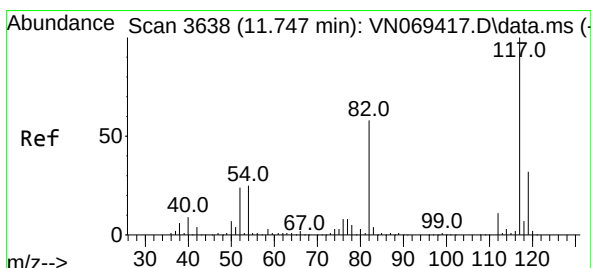
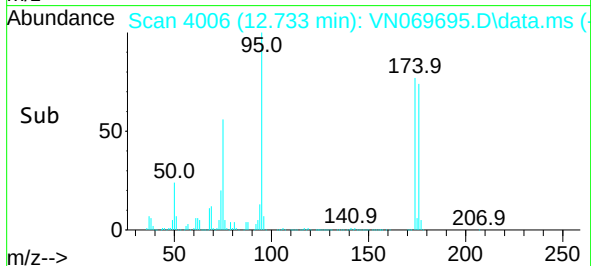
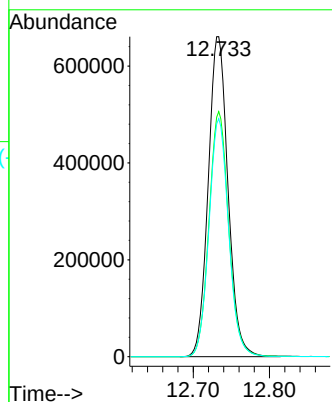
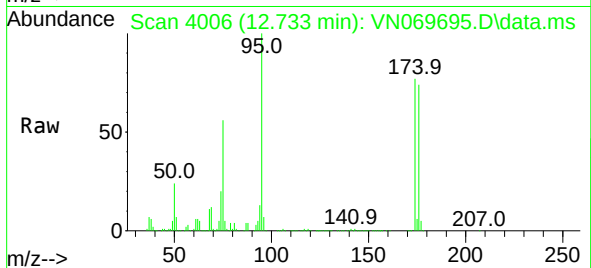
Tgt Ion: 95 Resp: 1190303

Ion Ratio Lower Upper

95 100

174 76.4 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: VN069695.D

Acq: 1 Dec 2021 17:00

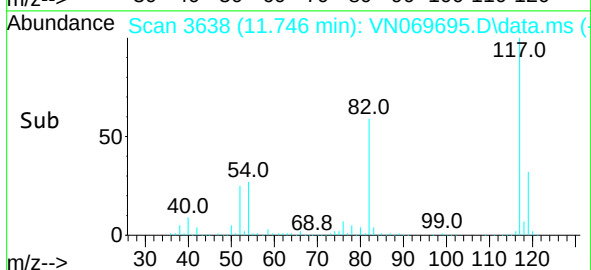
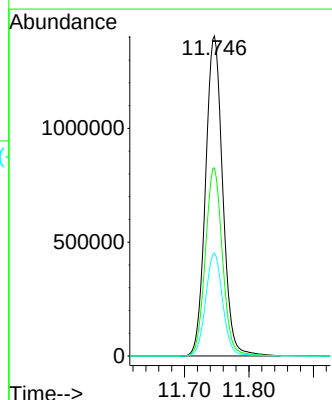
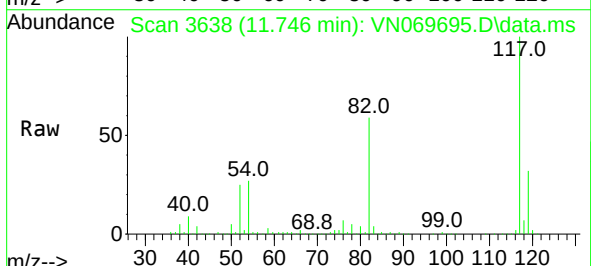
Tgt Ion: 117 Resp: 2602725

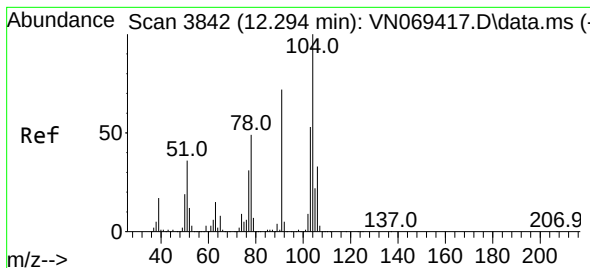
Ion Ratio Lower Upper

117 100

82 58.7 42.4 63.6

119 32.2 25.4 38.2





#70

Styrene

Concen: 1.523 ug/l

RT: 12.283 min Scan# 3842

Delta R.T. -0.011 min

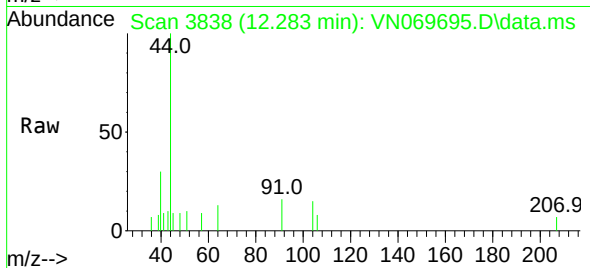
Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

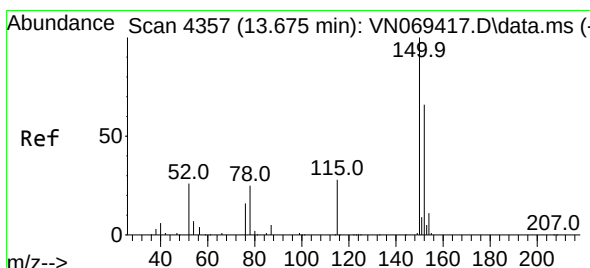
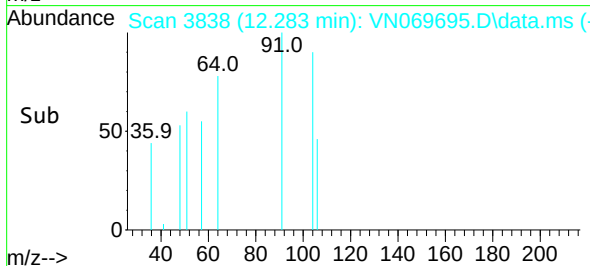
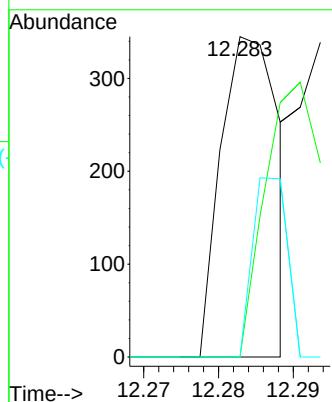
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	104	Resp:	186
Ion Ratio	Lower	Upper	
104	100		
78	0.0	38.7	58.1#
103	33.3	45.0	67.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

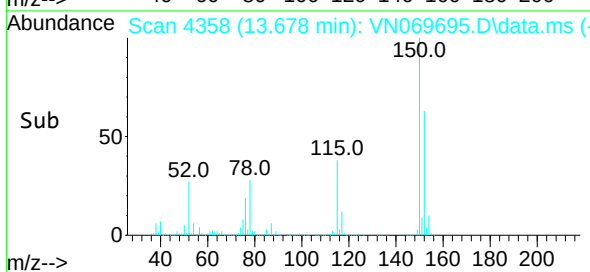
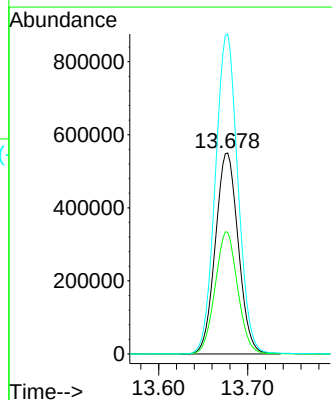
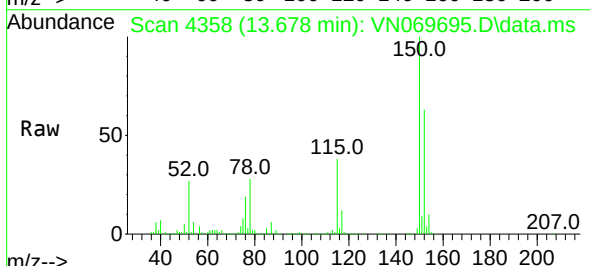
RT: 13.678 min Scan# 4358

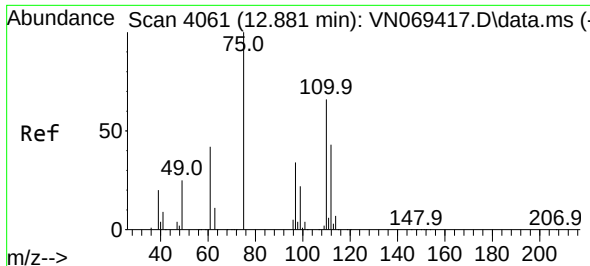
Delta R.T. 0.002 min

Lab File: VN069695.D

Acq: 1 Dec 2021 17:00

Tgt Ion:	152	Resp:	984913
Ion Ratio	Lower	Upper	
152	100		
115	59.9	27.5	82.5
150	157.0	0.0	344.4

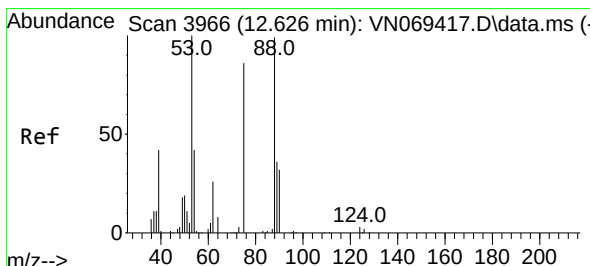
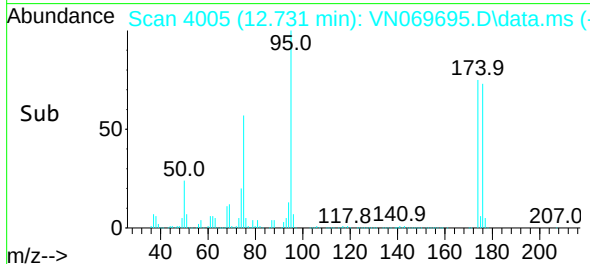
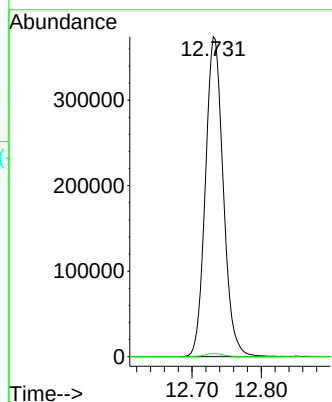
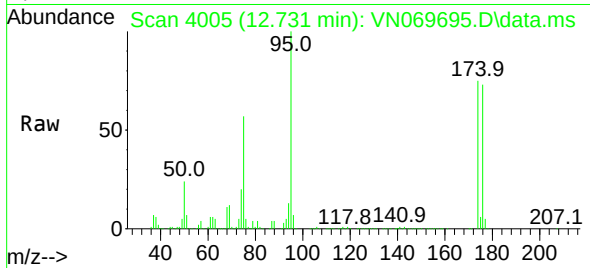




#76
1,2,3-Trichloropropane
Concen: 29.490 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

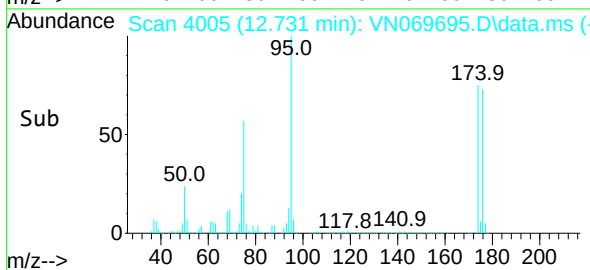
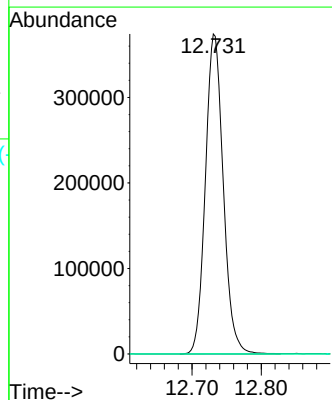
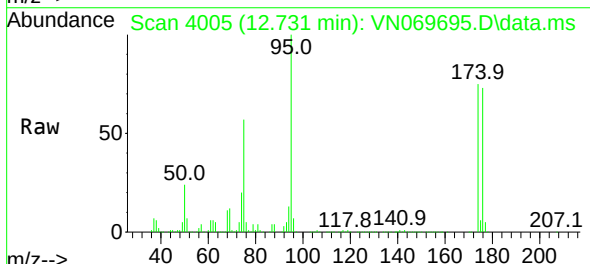
Instrument :
MSVOA_N
ClientSampleId :

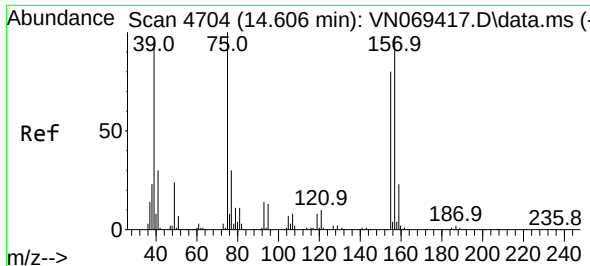
Tgt Ion: 75 Resp: 670293
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.409 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Tgt Ion: 75 Resp: 670293
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

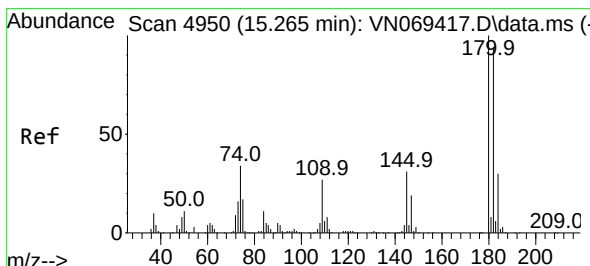
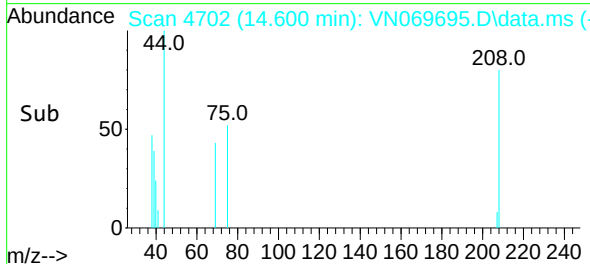
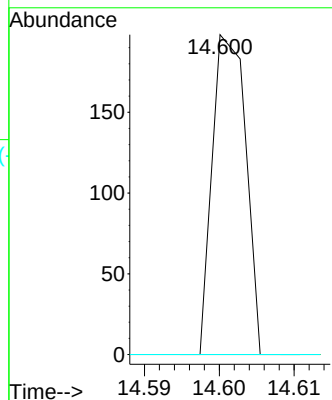
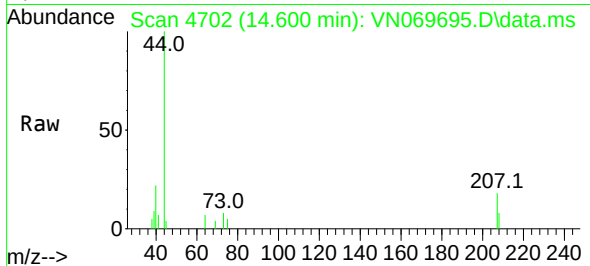




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.809 ug/l
 RT: 14.600 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VN069695.D
 Acq: 1 Dec 2021 17:00

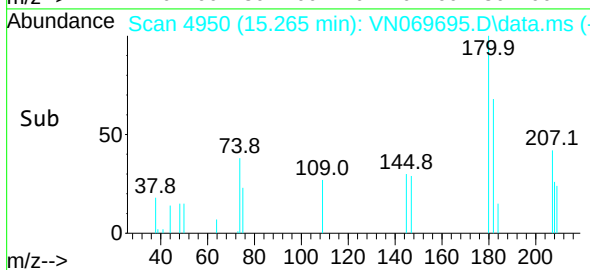
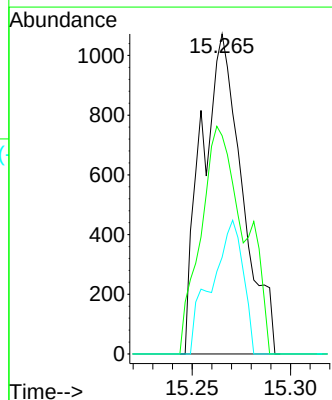
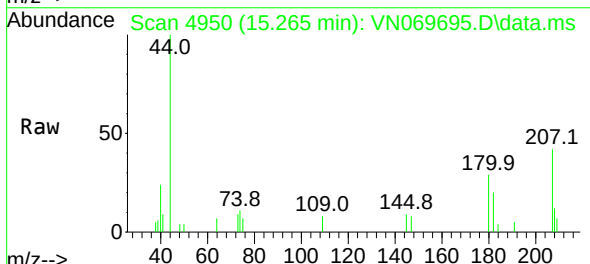
Instrument :
 MSVOA_N
 ClientSampleId :

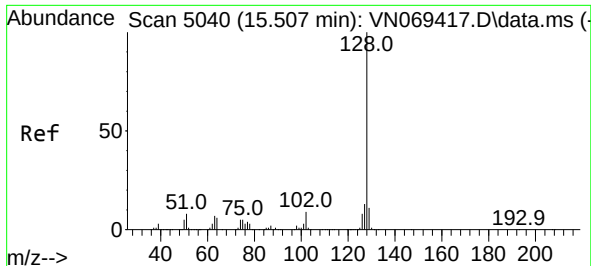
Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 0.0 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.206 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069695.D
 Acq: 1 Dec 2021 17:00

Tgt Ion:180 Resp: 1536
 Ion Ratio Lower Upper
 180 100
 182 76.4 48.3 144.9
 145 32.4 14.5 43.5

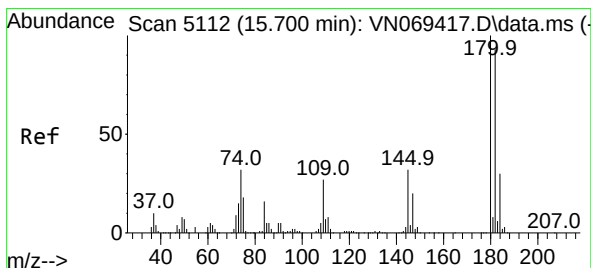
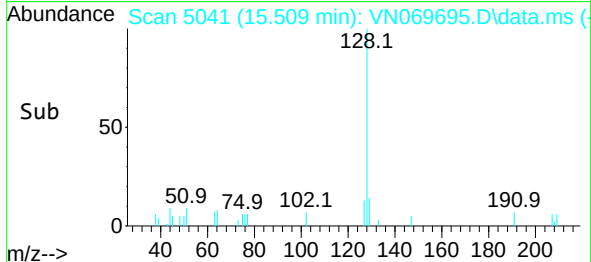
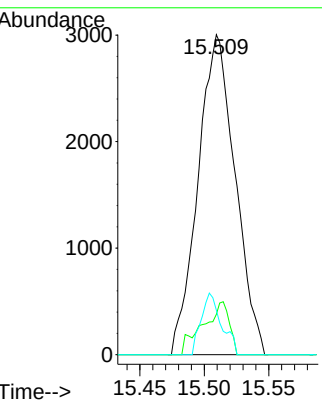
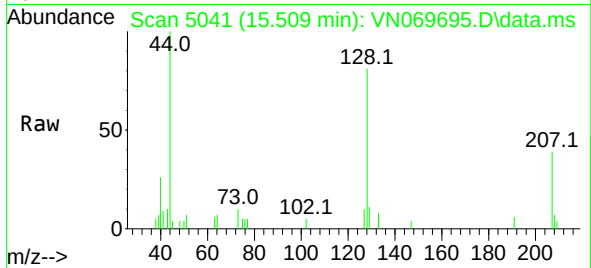




#95
Naphthalene
Concen: 4.577 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6023
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.273 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN069695.D
Acq: 1 Dec 2021 17:00

Tgt Ion:180 Resp: 1646
Ion Ratio Lower Upper
180 100
182 92.6 47.4 142.2
145 12.1 15.0 45.1#

