

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111121\
 Data File : VN069452.D
 Acq On : 11 Nov 2021 11:30
 Operator : JC/MD
 Sample : VN1111WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 05:15:28 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)

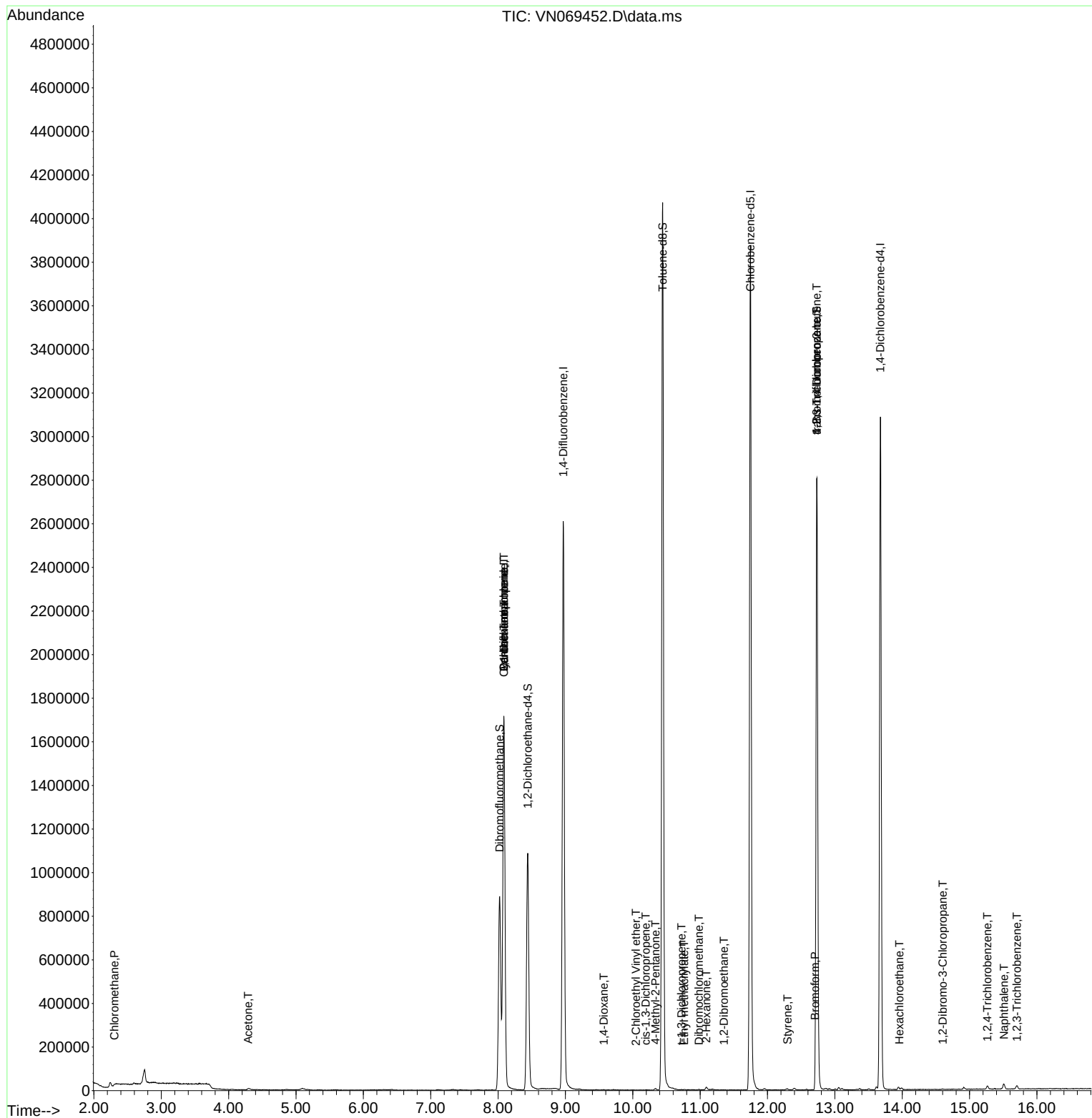
Internal Standards						
1) Pentafluorobenzene	8.086	168	1258794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2215624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2174411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	804313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	933804	51.162	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.320%	
35) Dibromofluoromethane	8.024	113	648260	48.784	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.560%	
50) Toluene-d8	10.443	98	2819249	53.944	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.880%	
62) 4-Bromofluorobenzene	12.731	95	964973	50.260	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3650	0.234	ug/l #	88
13) Acrolein	4.039	56	479	Below Cal	#	14
16) Acetone	4.291	43	3236	0.329	ug/l #	82
31) Cyclohexane	8.088	56	34751	1.394	ug/l #	43
36) 1,1-Dichloropropene	8.086	75	108843	5.838	ug/l #	49
38) Carbon Tetrachloride	8.086	117	130417	7.246	ug/l #	16
49) 1,4-Dioxane	9.571	88	110	39.339	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	5420	0.207	ug/l	88
53) t-1,3-Dichloropropene	10.722	75	348	2.651	ug/l #	43
54) cis-1,3-Dichloropropene	10.194	75	158	1.739	ug/l #	50
56) Ethyl methacrylate	10.760	69	1032	2.089	ug/l #	80
58) 2-Chloroethyl Vinyl ether	10.049	63	26	22.773	ug/l #	45
59) 2-Hexanone	11.089	43	10017	8.381	ug/l	91
60) Dibromochloromethane	10.982	129	599	2.453	ug/l #	11
61) 1,2-Dibromoethane	11.352	107	132	1.079	ug/l #	2
70) Styrene	12.299	104	1813	1.556	ug/l #	88
71) Bromoform	12.704	173	101	3.435	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	555854	29.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	555854	84.610	ug/l #	5
90) Hexachloroethane	13.959	117	72	2.169	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.603	75	295	1.868	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.265	180	4806	3.469	ug/l	95
95) Naphthalene	15.509	128	21984	5.012	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.702	180	3628	3.450	ug/l #	54

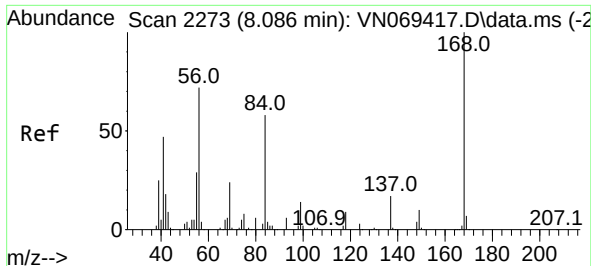
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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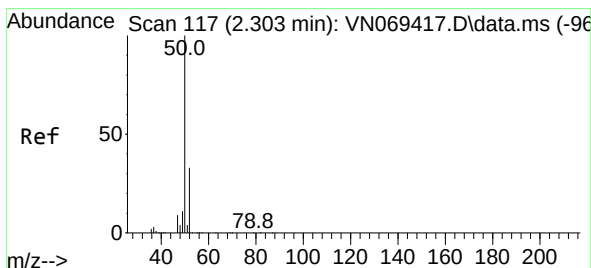
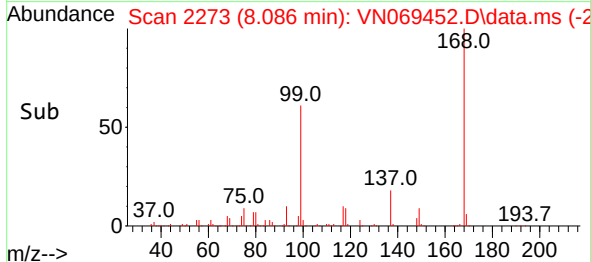
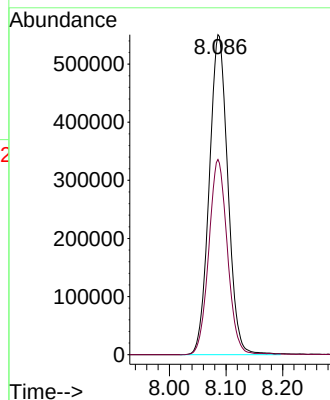
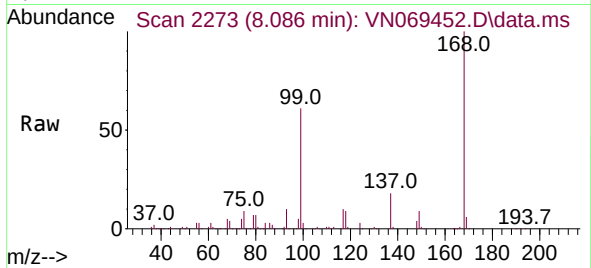




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

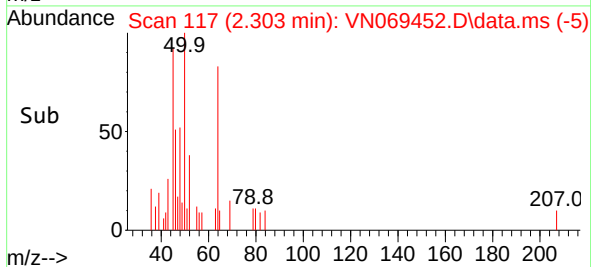
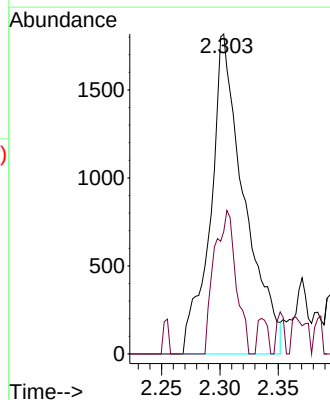
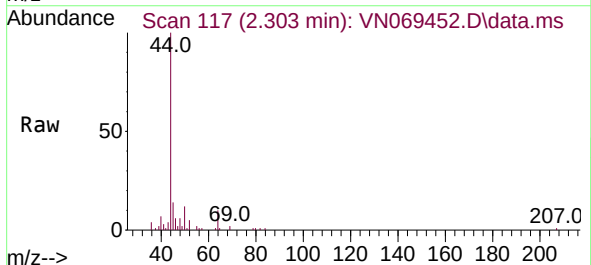
Instrument :
MSVOA_N
ClientSampleId :

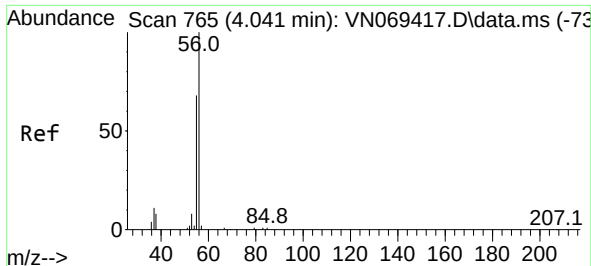
Tgt Ion:168 Resp: 1258794
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Tgt Ion: 50 Resp: 3650
Ion Ratio Lower Upper
50 100
52 38.2 25.4 38.0#





#13

Acrolein

Concen: Below Cal

RT: 4.039 min Scan# 764

Delta R.T. -0.003 min

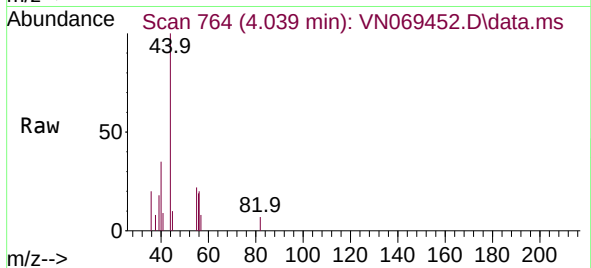
Lab File: VN069452.D

Acq: 11 Nov 2021 11:30

Instrument :

MSVOA_N

ClientSampleId :

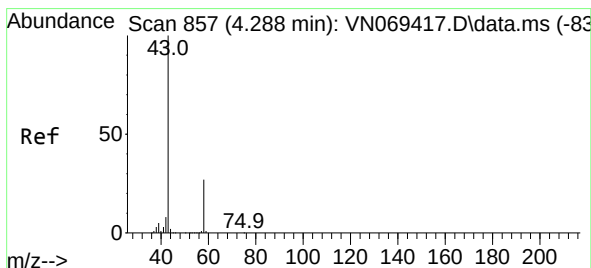
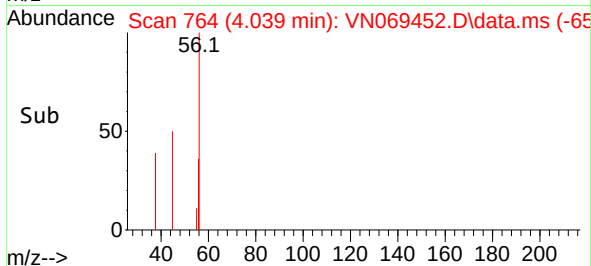
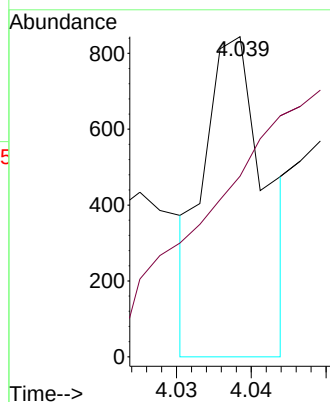


Tgt Ion: 56 Resp: 479

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#16

Acetone

Concen: 0.329 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.003 min

Lab File: VN069452.D

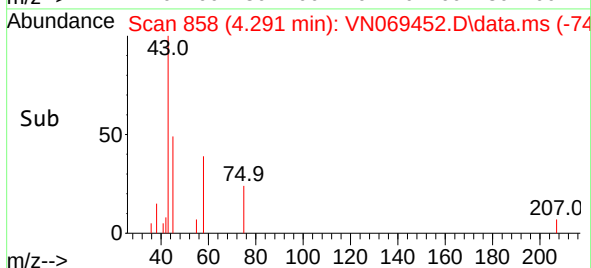
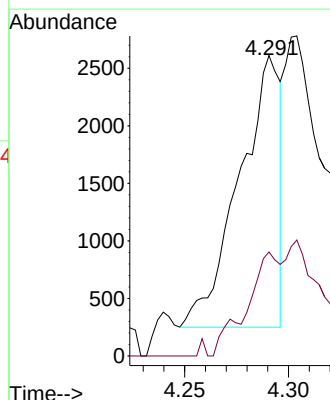
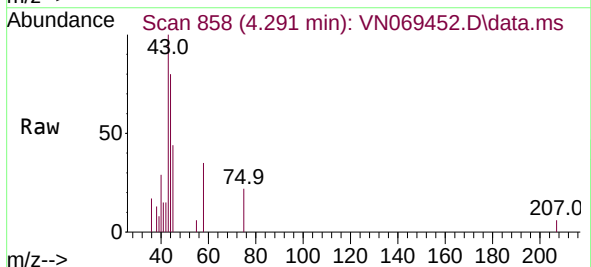
Acq: 11 Nov 2021 11:30

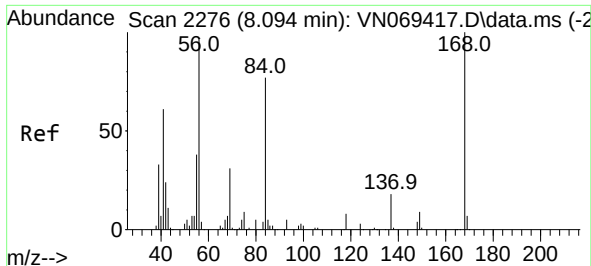
Tgt Ion: 43 Resp: 3236

Ion Ratio Lower Upper

43 100

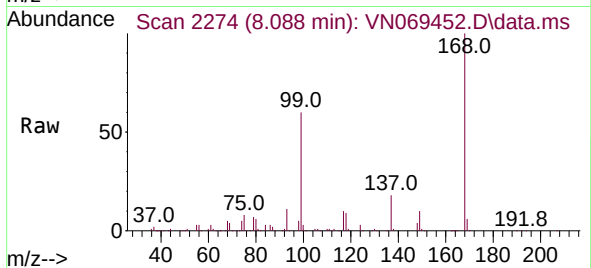
58 38.3 23.1 34.7#



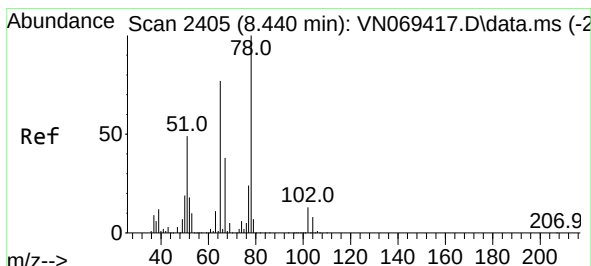
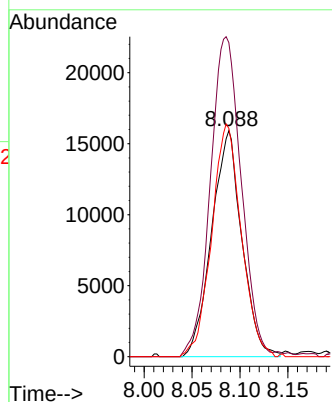
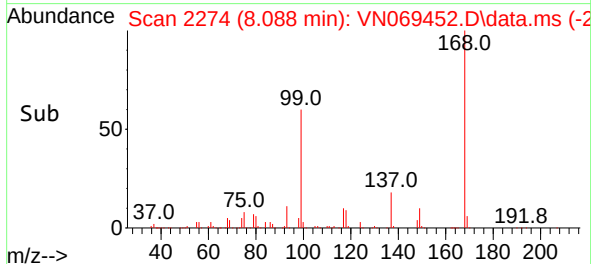


#31
Cyclohexane
Concen: 1.394 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

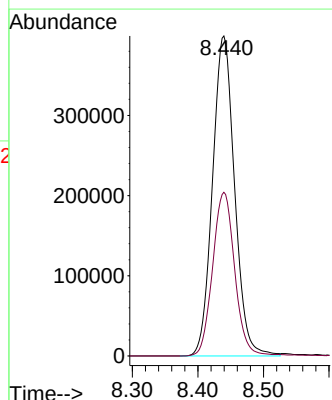
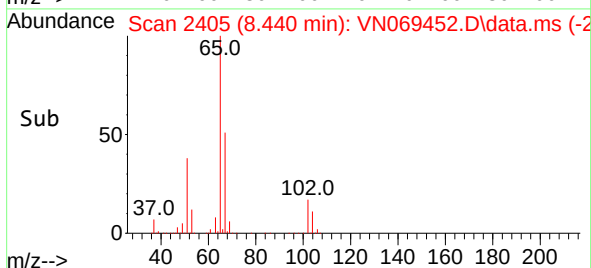
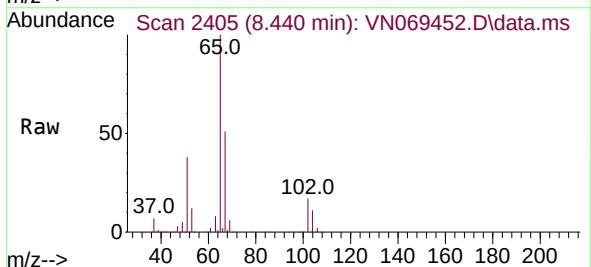


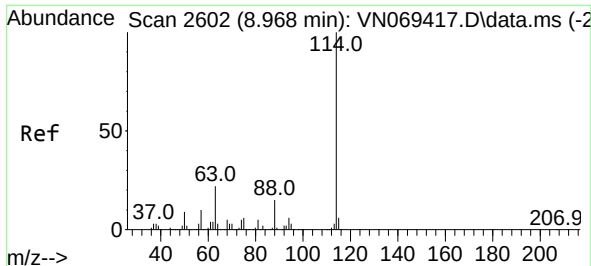
Tgt Ion: 56 Resp: 34751
Ion Ratio Lower Upper
56 100
69 139.0 27.1 40.7#
84 101.1 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.162 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

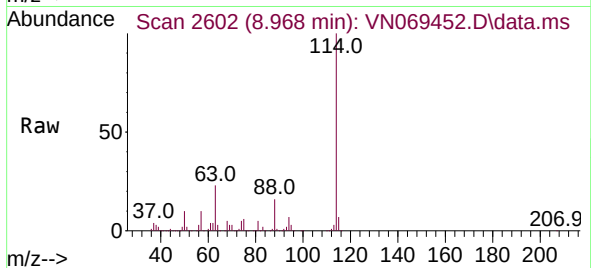
Tgt Ion: 65 Resp: 933804
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



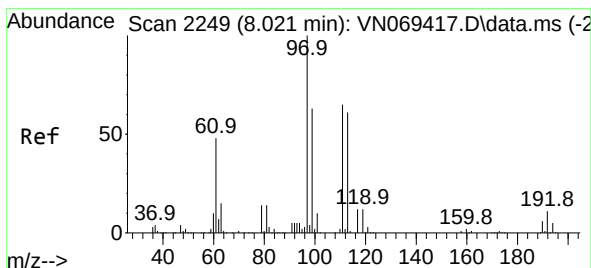
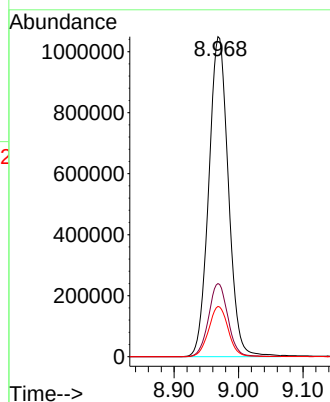
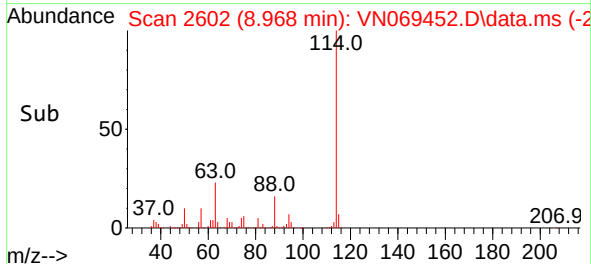


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

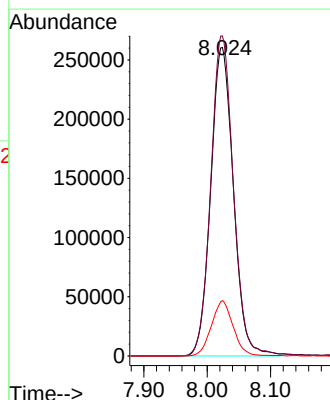
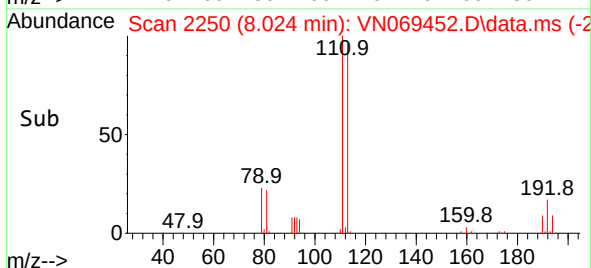
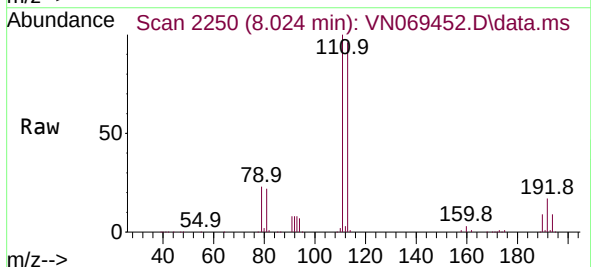


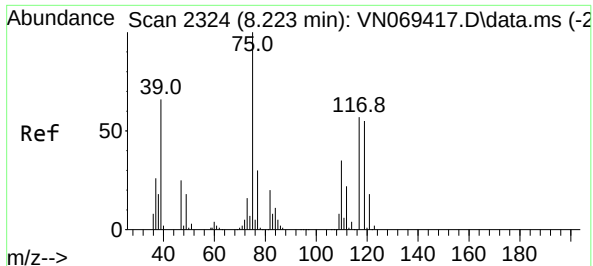
Tgt Ion:114 Resp: 2215624
Ion Ratio Lower Upper
114 100
63 22.8 0.0 37.8
88 15.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.784 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

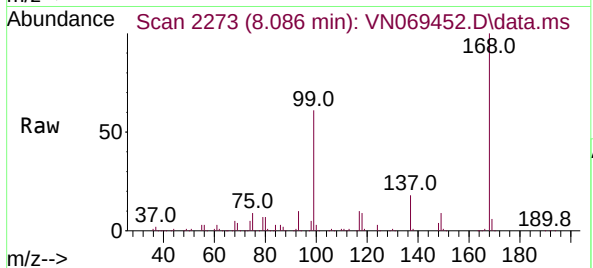
Tgt Ion:113 Resp: 648260
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 17.2 16.9 25.3



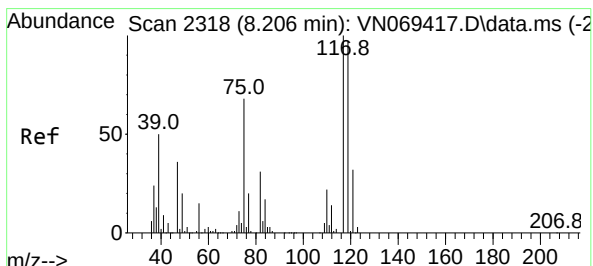
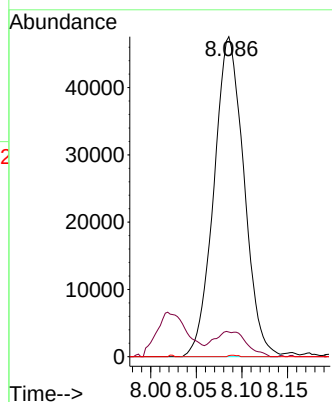
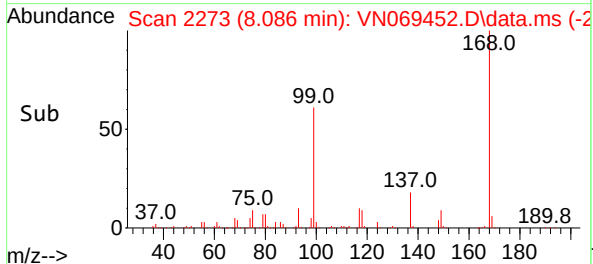


#36
 1,1-Dichloropropene
 Concen: 5.838 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

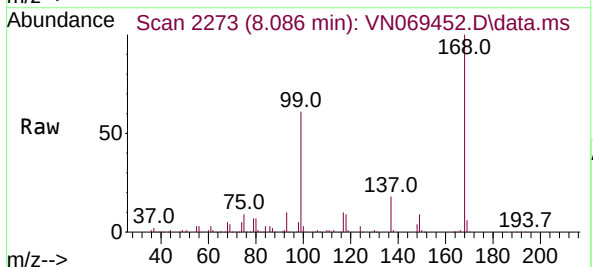
Instrument :
 MSVOA_N
 ClientSampleId :



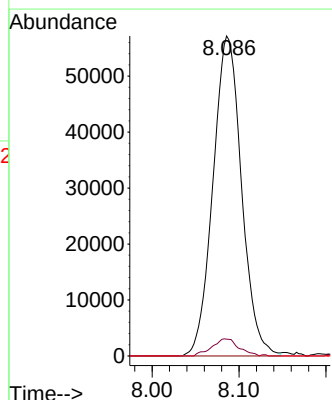
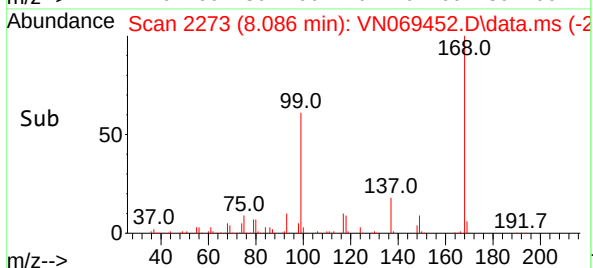
Tgt Ion: 75 Resp: 108843
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.1 24.4 36.6#

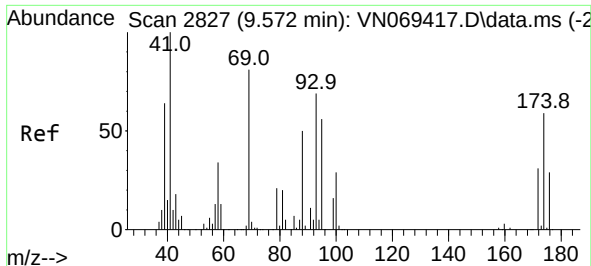


#38
 Carbon Tetrachloride
 Concen: 7.246 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30



Tgt Ion: 117 Resp: 130417
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.339 ug/l

RT: 9.571 min Scan# 21

Delta R.T. -0.001 min

Lab File: VN069452.D

Acq: 11 Nov 2021 11:30

Instrument :

MSVOA_N

ClientSampleId :

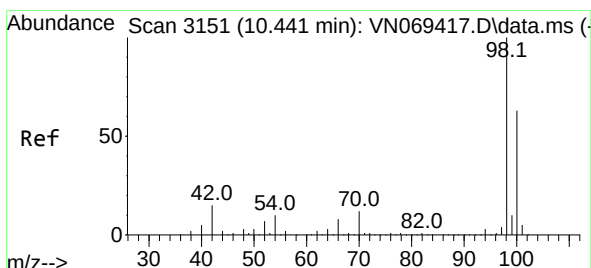
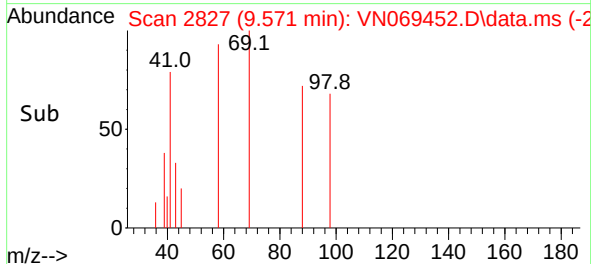
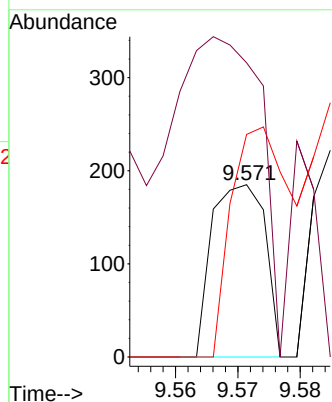
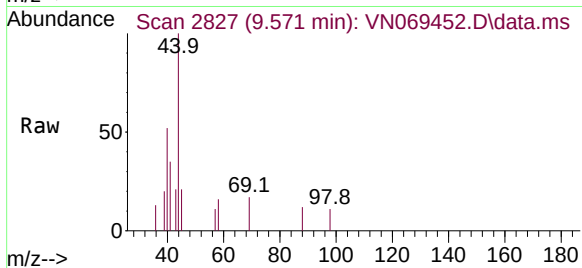
Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 309.1 23.4 35.2#

58 148.2 50.6 75.8#



#50

Toluene-d8

Concen: 53.944 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069452.D

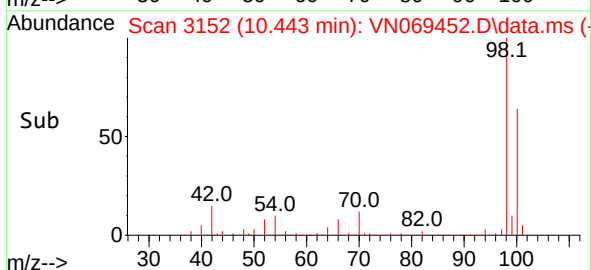
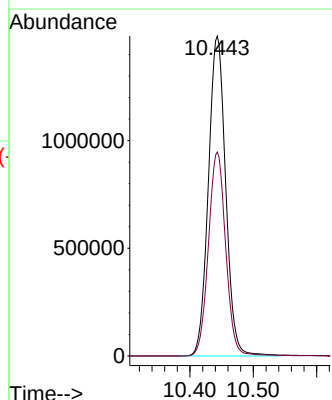
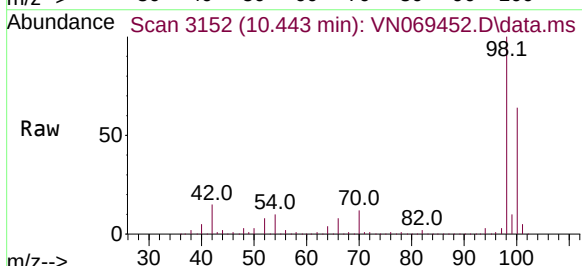
Acq: 11 Nov 2021 11:30

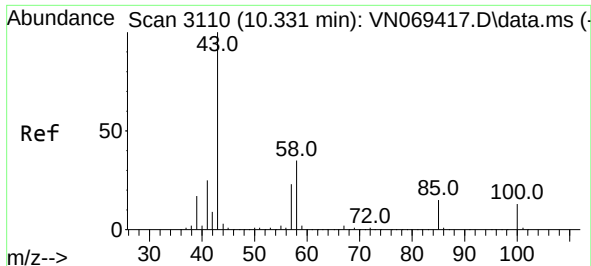
Tgt Ion: 98 Resp: 2819249

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 10.336 min Scan# 3110

Delta R.T. 0.005 min

Lab File: VN069452.D

Acq: 11 Nov 2021 11:30

Instrument :

MSVOA_N

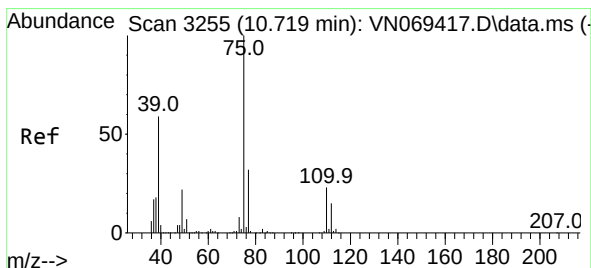
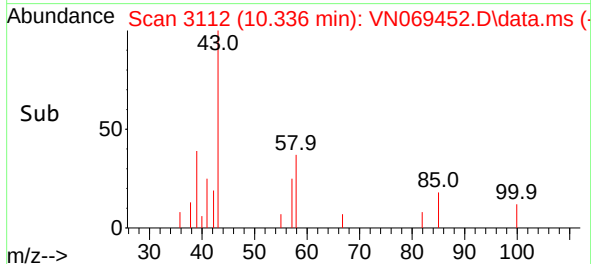
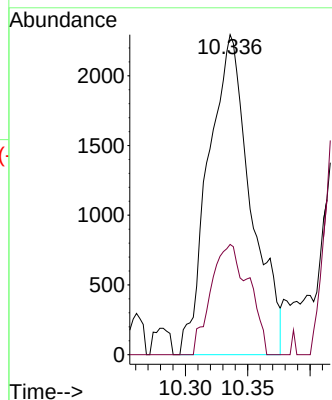
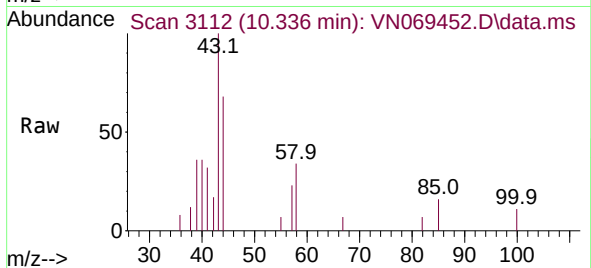
ClientSampleId :

Tgt Ion: 43 Resp: 5420

Ion Ratio Lower Upper

43 100

58 30.8 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.651 ug/l

RT: 10.722 min Scan# 3256

Delta R.T. 0.003 min

Lab File: VN069452.D

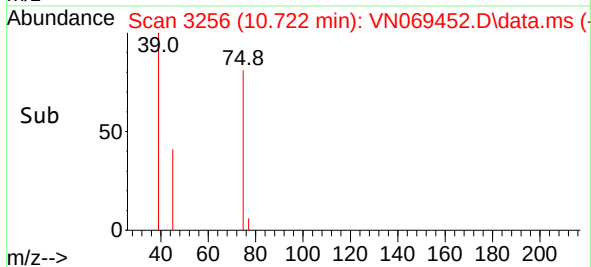
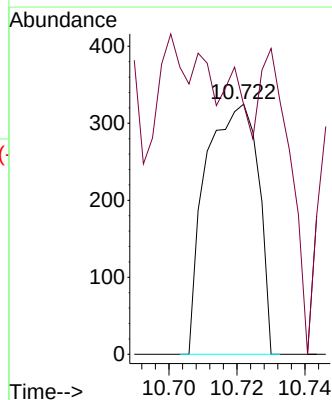
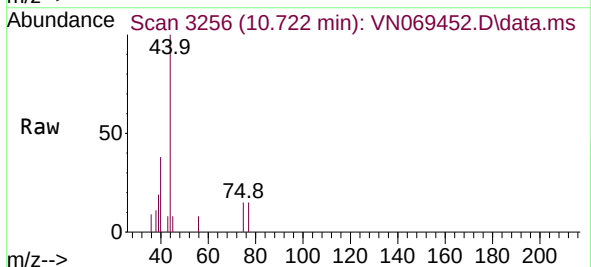
Acq: 11 Nov 2021 11:30

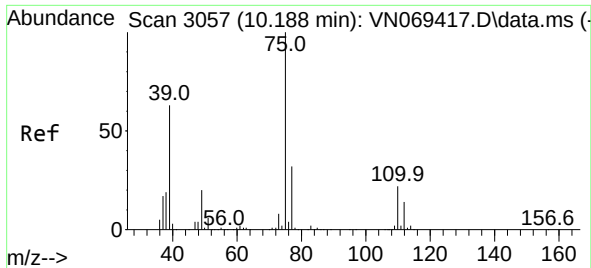
Tgt Ion: 75 Resp: 348

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

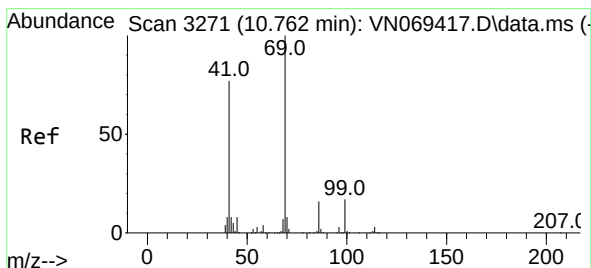
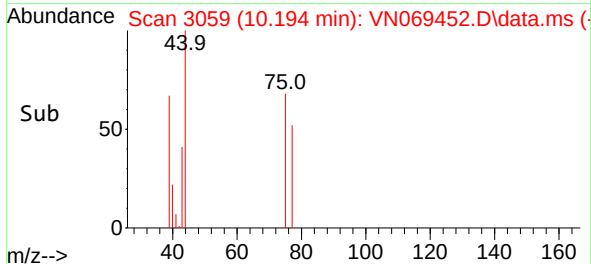
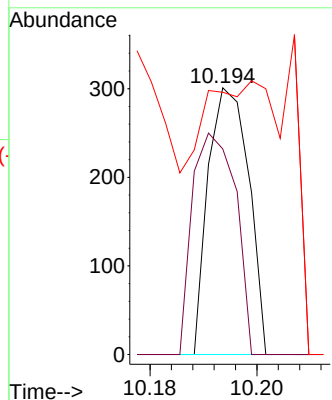
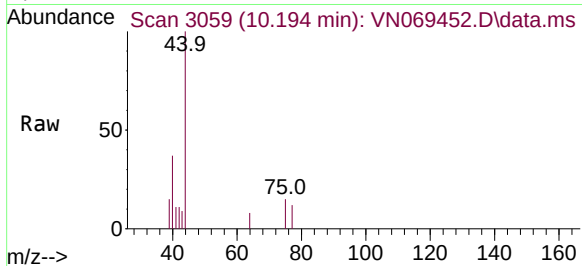




#54
 cis-1,3-Dichloropropene
 Concen: 1.739 ug/l
 RT: 10.194 min Scan# 3057
 Delta R.T. 0.006 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

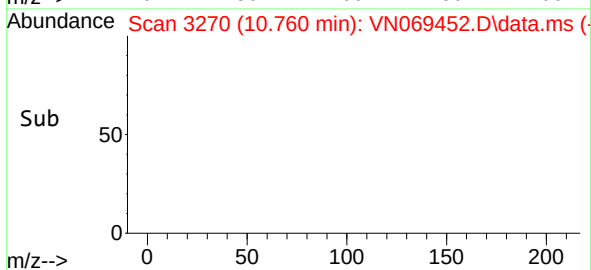
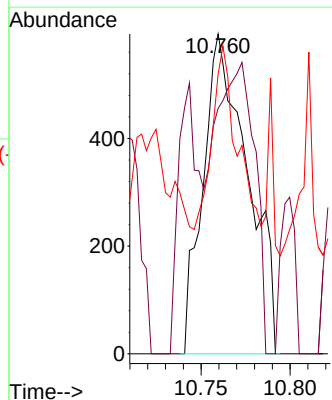
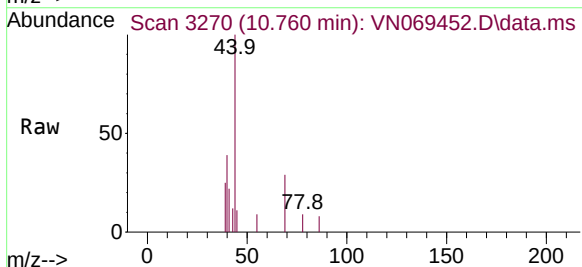
Instrument :
 MSVOA_N
 ClientSampleId :

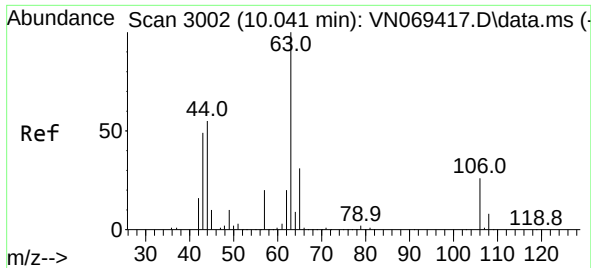
Tgt Ion: 75 Resp: 158
 Ion Ratio Lower Upper
 75 100
 77 77.1 26.4 39.6#
 39 30.2 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.089 ug/l
 RT: 10.760 min Scan# 3270
 Delta R.T. -0.002 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

Tgt Ion: 69 Resp: 1032
 Ion Ratio Lower Upper
 69 100
 41 82.4 51.4 77.0#
 39 33.4 34.6 52.0#

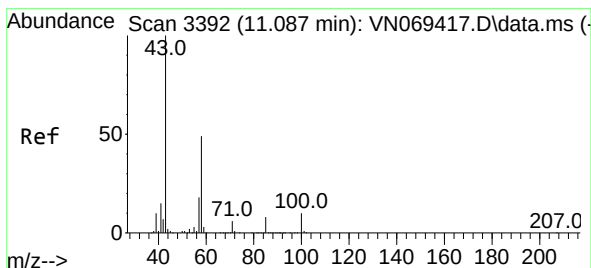
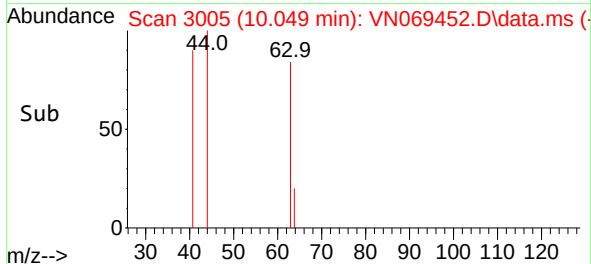
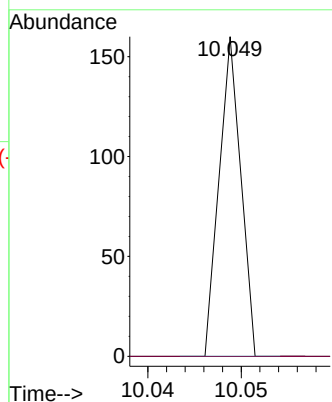
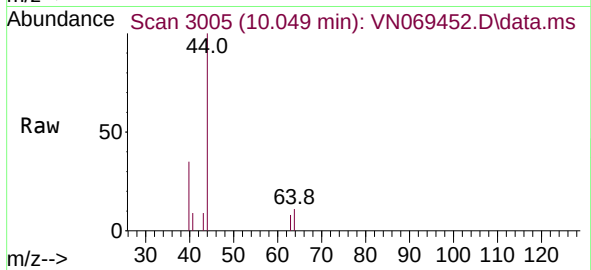




#58
2-Chloroethyl Vinyl ether
Concen: 22.773 ug/l
RT: 10.049 min Scan# 3002
Delta R.T. 0.008 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

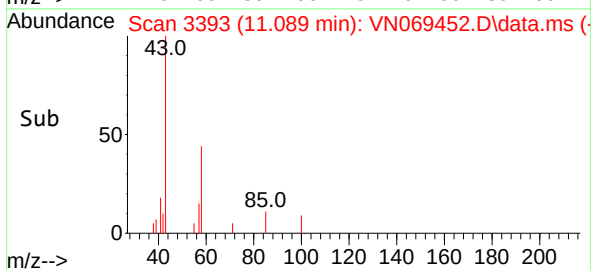
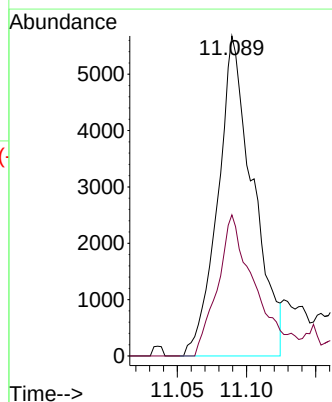
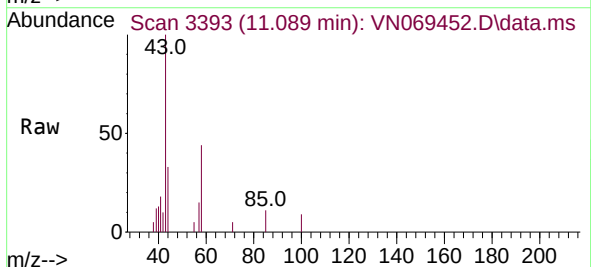
Instrument :
MSVOA_N
ClientSampleId :

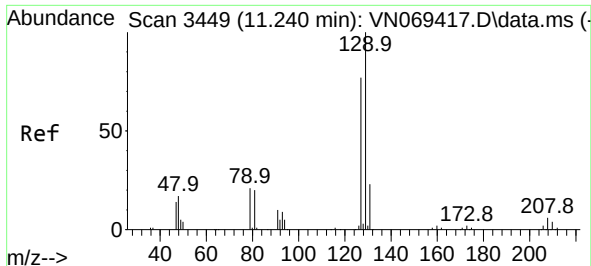
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.381 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

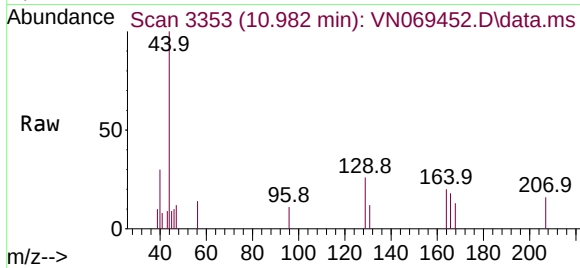
Tgt Ion: 43 Resp: 10017
Ion Ratio Lower Upper
43 100
58 47.7 26.9 80.7



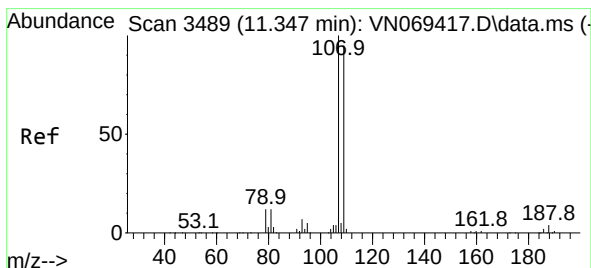
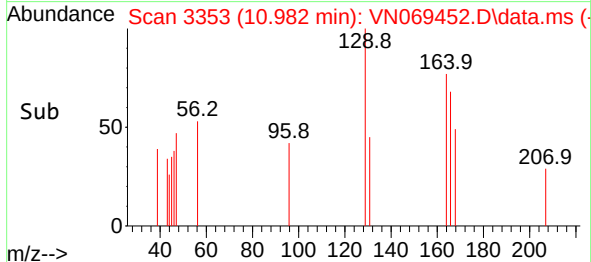
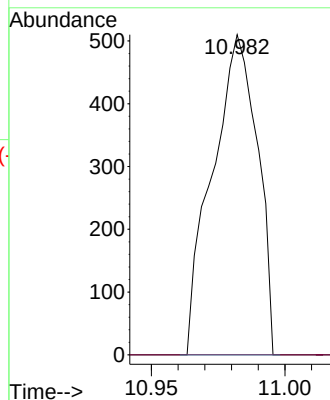


#60
Dibromochloromethane
Concen: 2.453 ug/l
RT: 10.982 min Scan# 31
Delta R.T. -0.258 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

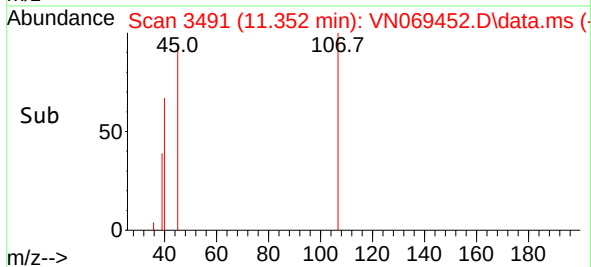
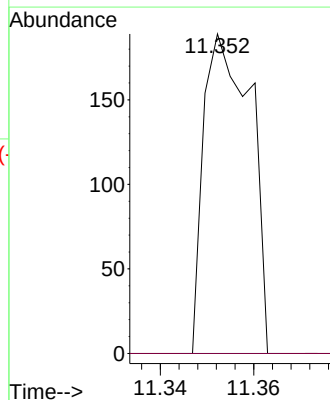
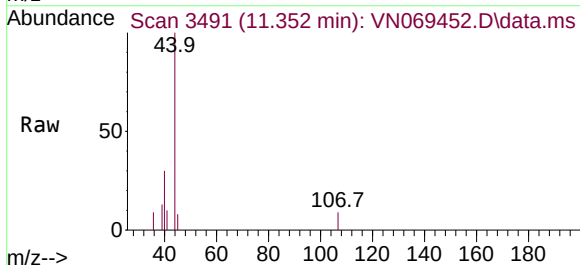


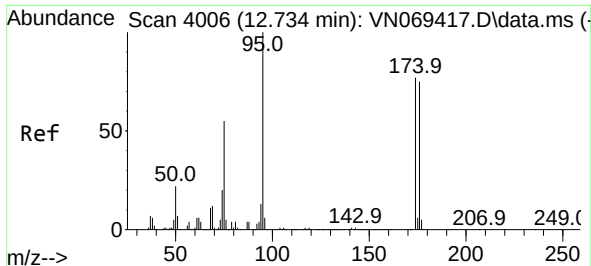
Tgt Ion:129 Resp: 599
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#61
1,2-Dibromoethane
Concen: 1.079 ug/l
RT: 11.352 min Scan# 3491
Delta R.T. 0.005 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Tgt Ion:107 Resp: 132
Ion Ratio Lower Upper
107 100
109 0.0 75.7 113.5#

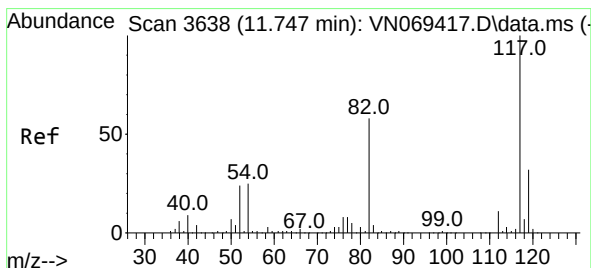
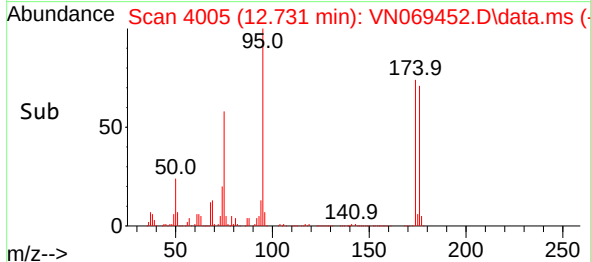
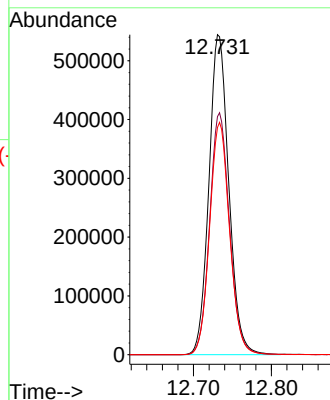
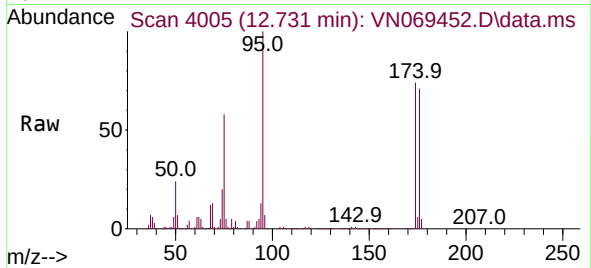




#62
4-Bromofluorobenzene
Concen: 50.260 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

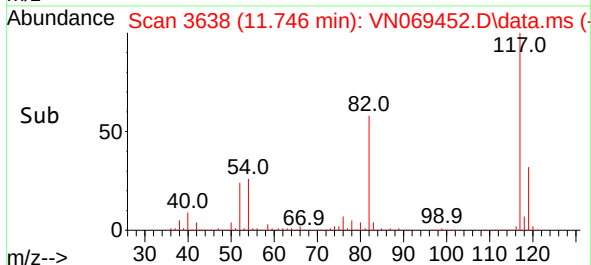
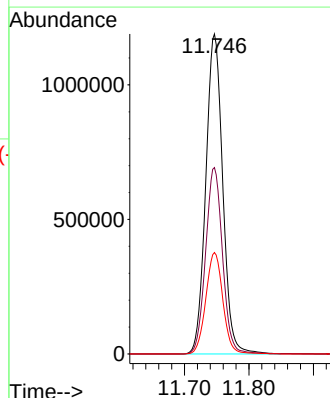
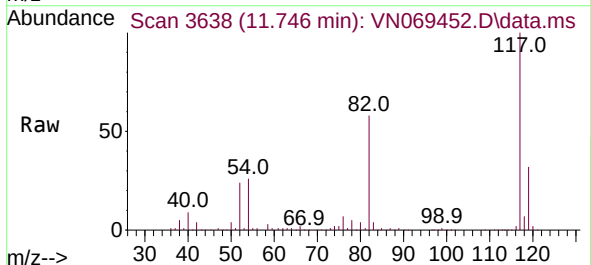
Instrument :
MSVOA_N
ClientSampleId :

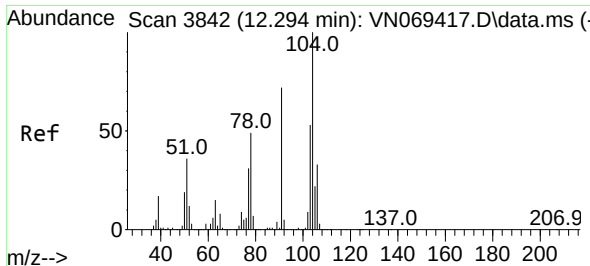
Tgt Ion: 95 Resp: 964973
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

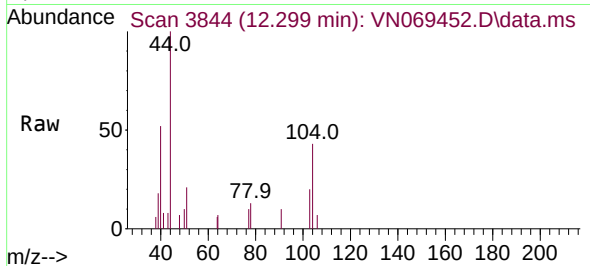
Tgt Ion: 117 Resp: 2174411
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 31.7 25.4 38.2



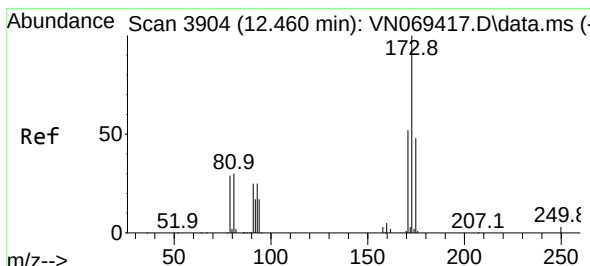
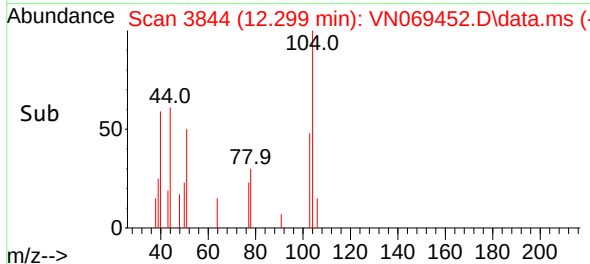
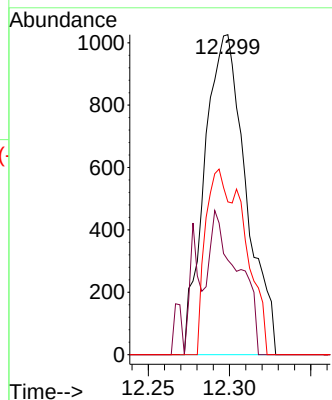


#70
Styrene
Concen: 1.556 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.005 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

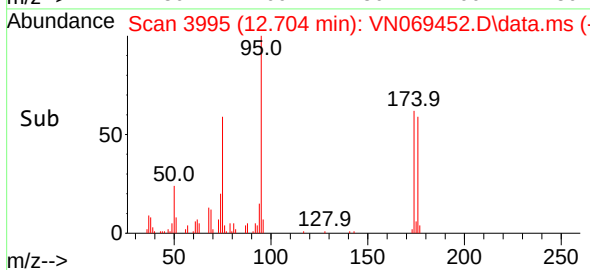
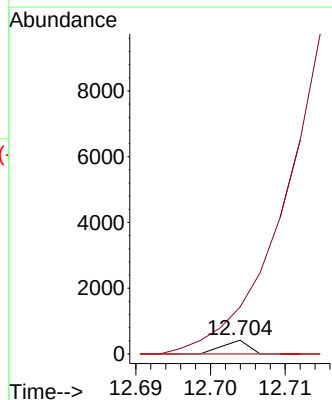
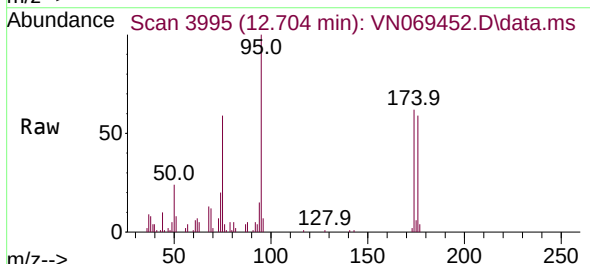


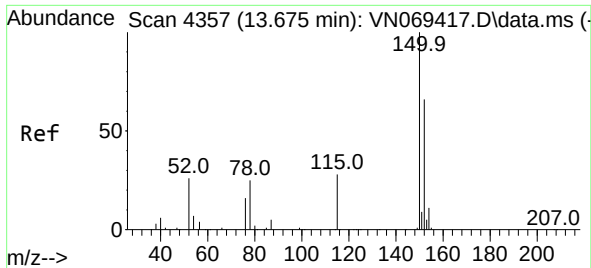
Tgt Ion:104 Resp: 1813
Ion Ratio Lower Upper
104 100
78 32.0 38.7 58.1#
103 55.2 45.0 67.6



#71
Bromoform
Concen: 3.435 ug/l
RT: 12.704 min Scan# 3995
Delta R.T. 0.244 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

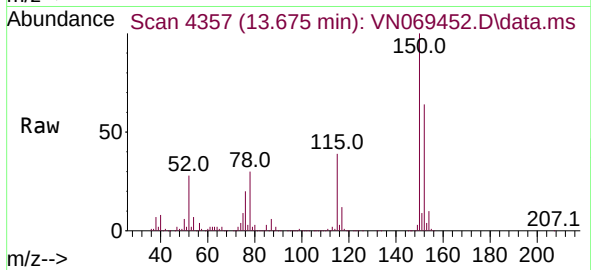
Tgt Ion:173 Resp: 101
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



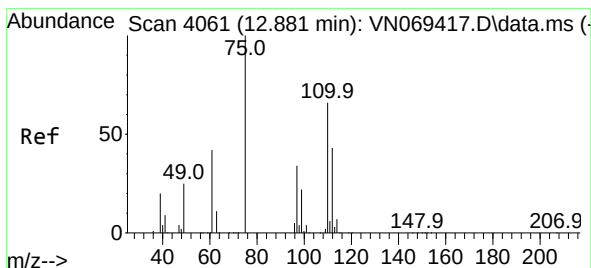
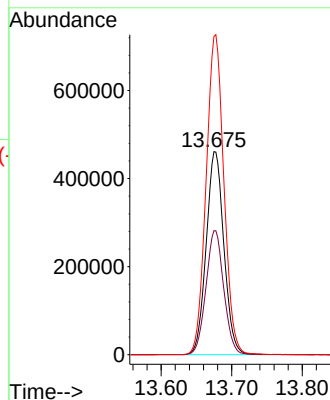
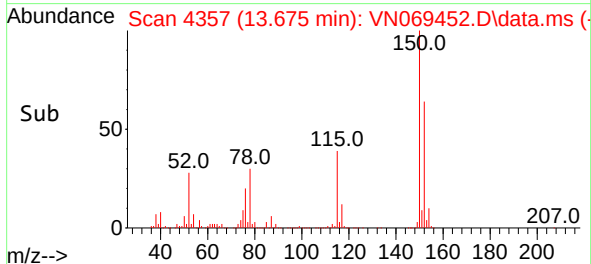


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

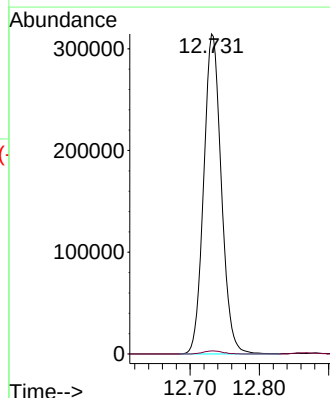
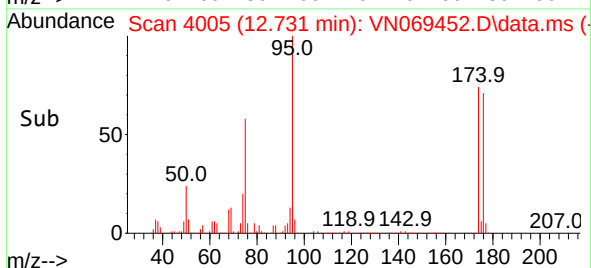
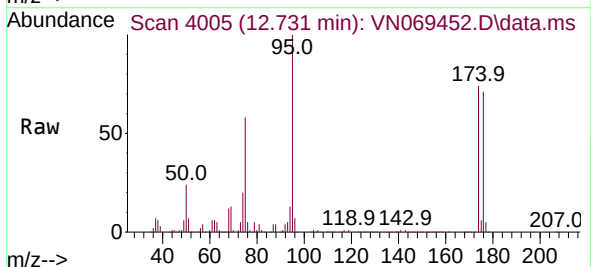


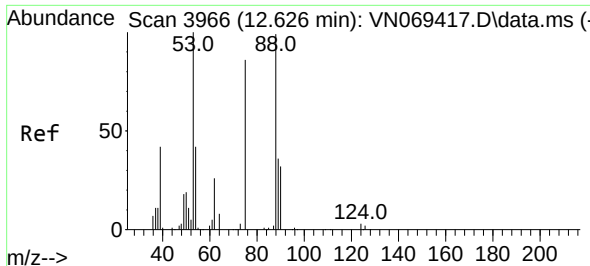
Tgt Ion:152 Resp: 804313
 Ion Ratio Lower Upper
 152 100
 115 61.1 27.5 82.5
 150 157.8 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 29.946 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

Tgt Ion: 75 Resp: 555854
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

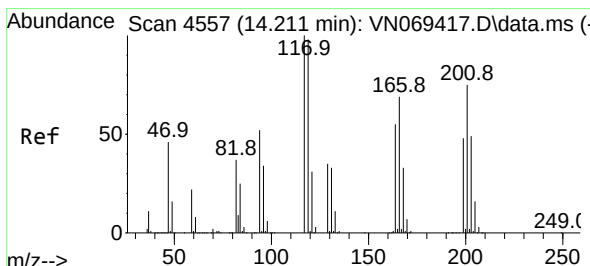
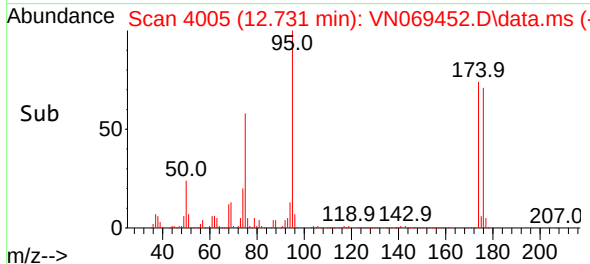
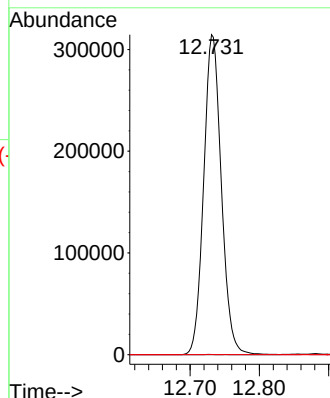
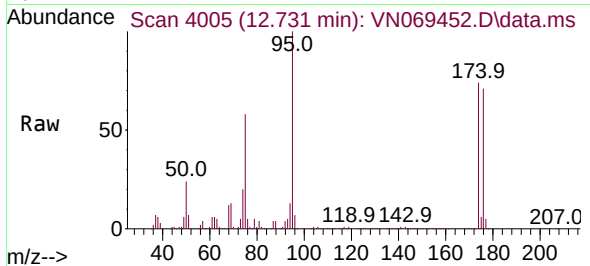




#81
trans-1,4-Dichloro-2-butene
Concen: 84.610 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

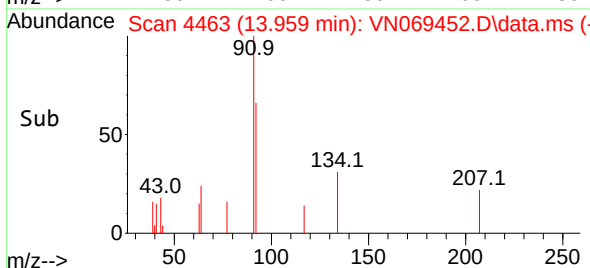
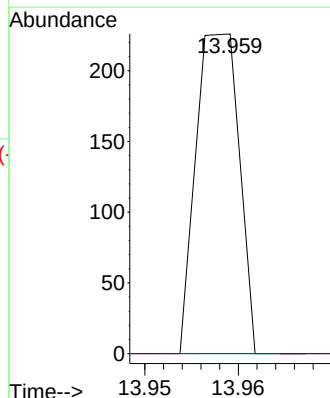
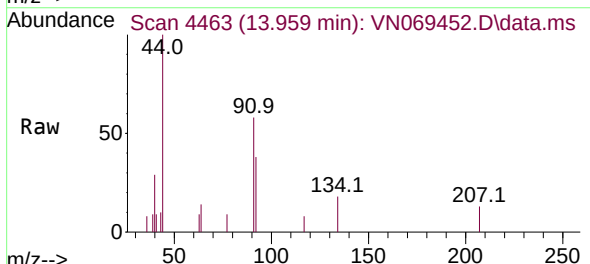
Instrument :
MSVOA_N
ClientSampleId :

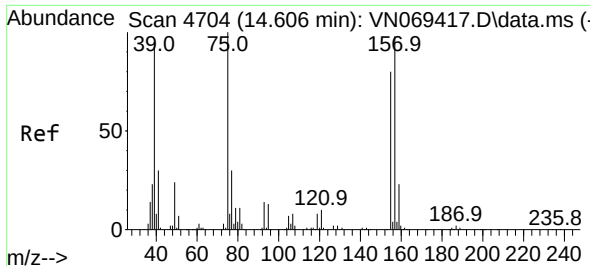
Tgt Ion: 75 Resp: 555854
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.169 ug/l
RT: 13.959 min Scan# 4463
Delta R.T. -0.252 min
Lab File: VN069452.D
Acq: 11 Nov 2021 11:30

Tgt Ion: 117 Resp: 72
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

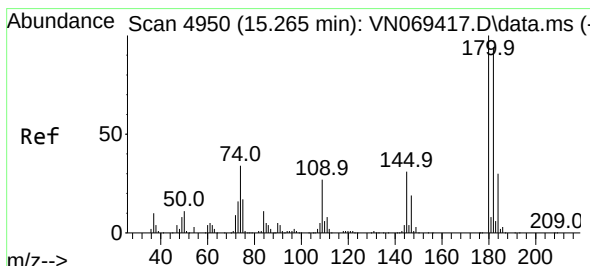
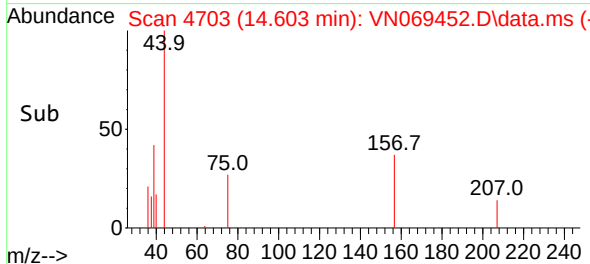
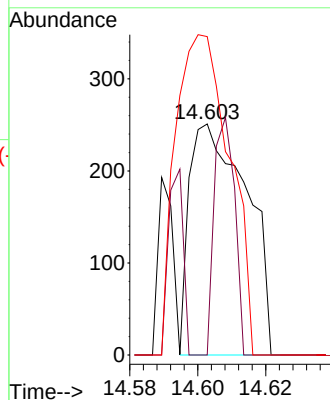
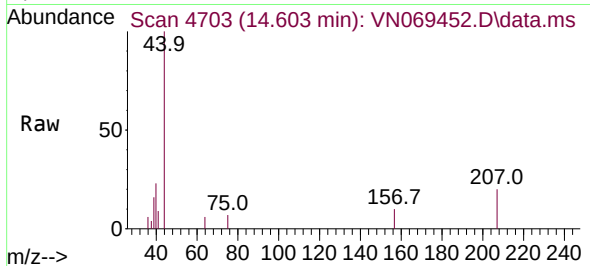




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.868 ug/l
 RT: 14.603 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

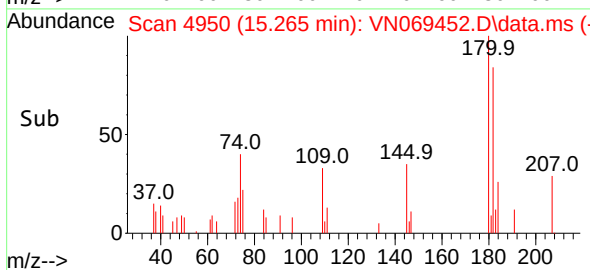
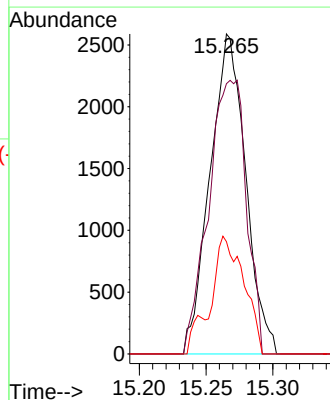
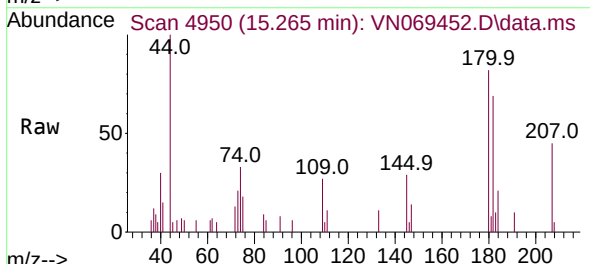
Instrument :
 MSVOA_N
 ClientSampleId :

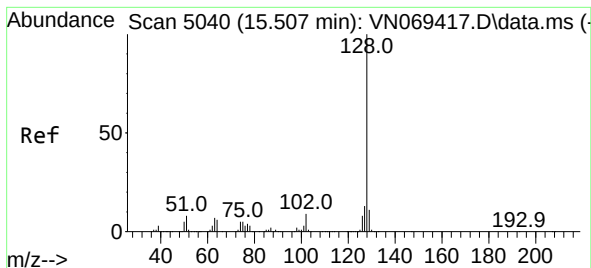
Tgt Ion: 75 Resp: 295
 Ion Ratio Lower Upper
 75 100
 155 36.3 46.9 140.7#
 157 130.2 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.469 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069452.D
 Acq: 11 Nov 2021 11:30

Tgt Ion:180 Resp: 4806
 Ion Ratio Lower Upper
 180 100
 182 90.8 48.3 144.9
 145 30.2 14.5 43.5





#95

Naphthalene

Concen: 5.012 ug/l

RT: 15.509 min Scan# 5040

Delta R.T. 0.002 min

Lab File: VN069452.D

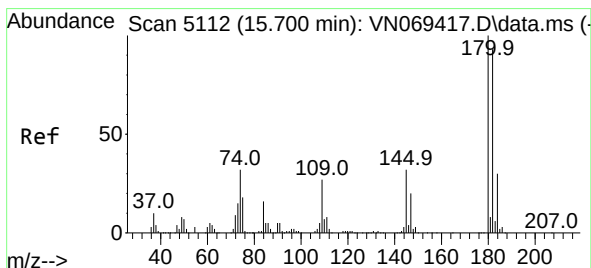
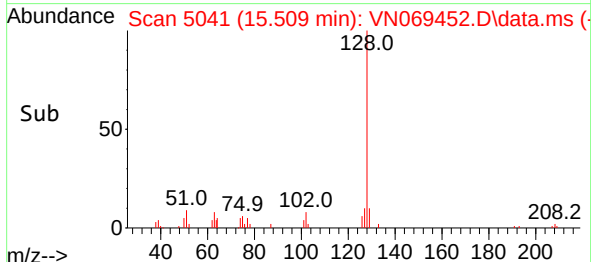
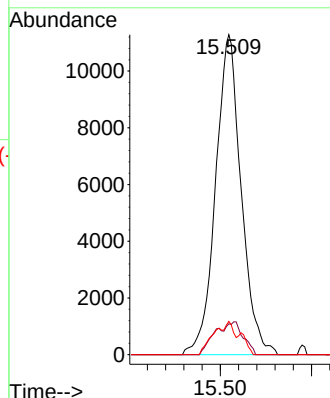
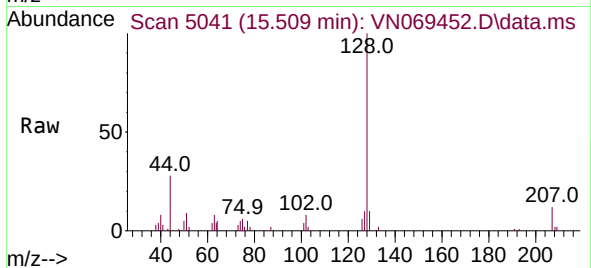
Acq: 11 Nov 2021 11:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	21984
Ion Ratio	Lower	Upper
128	100	
127	6.7	10.5 15.7#
129	1.5	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.450 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.002 min

Lab File: VN069452.D

Acq: 11 Nov 2021 11:30

Tgt Ion:180	Resp:	3628
Ion Ratio	Lower	Upper
180	100	
182	143.7	47.4 142.2#
145	46.9	15.0 45.1#

