

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112421\
 Data File : VN069643.D
 Acq On : 24 Nov 2021 15:32
 Operator : JC/MD
 Sample : M4815-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 06:59:50 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

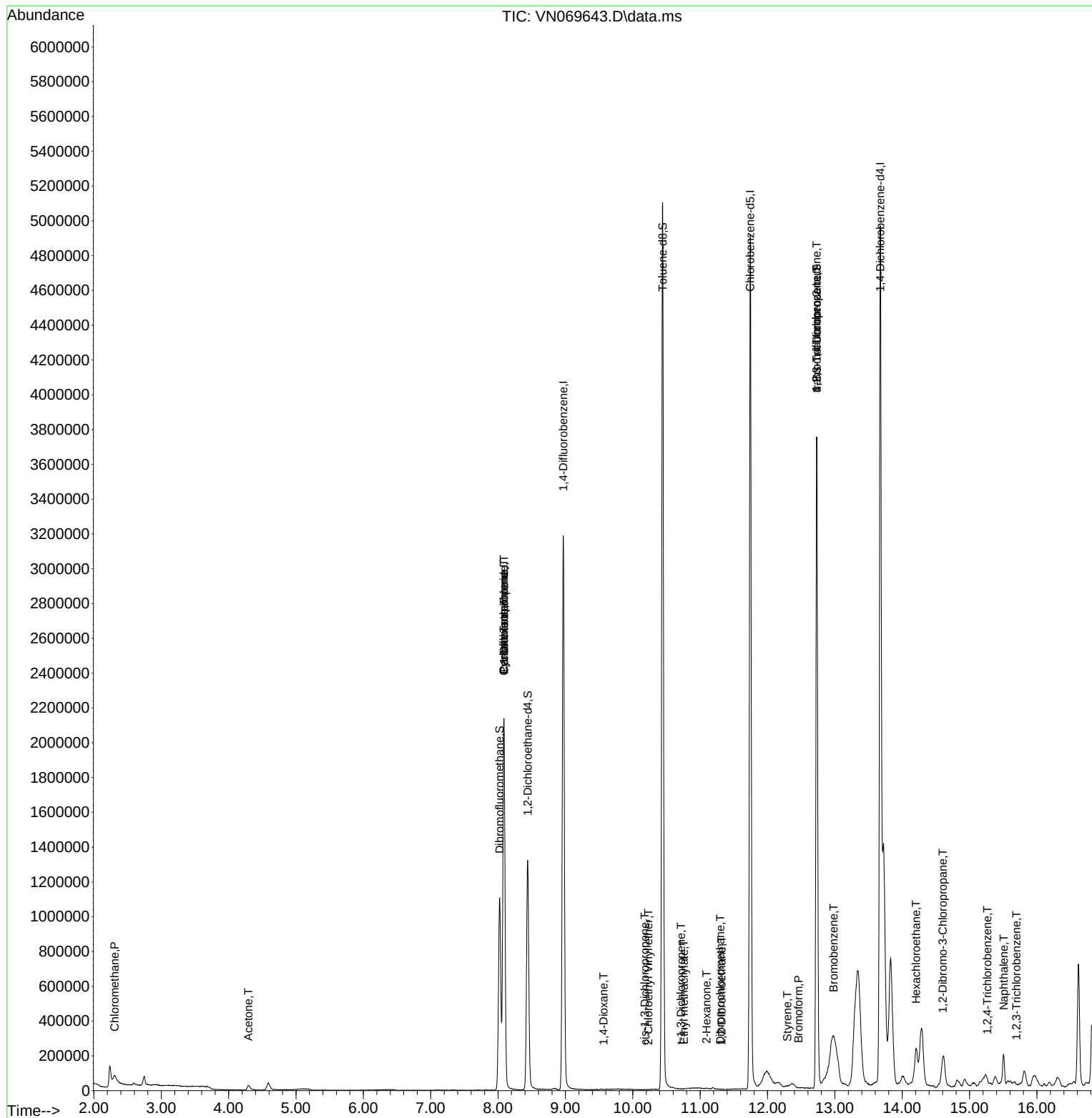
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1616947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2732686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2766303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1238209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1141503	48.689	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.380%
35) Dibromofluoromethane	8.024	113	802738	48.979	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.960%
50) Toluene-d8	10.443	98	3471991	53.863	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.720%
62) 4-Bromofluorobenzene	12.731	95	1309400	55.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	6266	0.313	ug/l	97
13) Acrolein	4.046	56	346	Below Cal	#	14
16) Acetone	4.293	43	49498	3.913	ug/l	91
31) Cyclohexane	8.088	56	40010	1.249	ug/l	# 29
36) 1,1-Dichloropropene	8.086	75	136223	5.924	ug/l	# 50
38) Carbon Tetrachloride	8.086	117	167202	7.532	ug/l	# 16
49) 1,4-Dioxane	9.566	88	25	39.110	ug/l	# 1
53) t-1,3-Dichloropropene	10.714	75	114	2.641	ug/l	# 43
54) cis-1,3-Dichloropropene	10.177	75	27	1.734	ug/l	# 67
56) Ethyl methacrylate	10.757	69	122	2.056	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	10.231	63	164	22.787	ug/l	94
59) 2-Hexanone	11.095	43	426	7.957	ug/l	# 1
60) Dibromochloromethane	11.299	129	137	2.424	ug/l	81
61) 1,2-Dibromoethane	11.317	107	25	1.072	ug/l	# 2
70) Styrene	12.296	104	366	1.526	ug/l	# 75
71) Bromoform	12.460	173	139	3.436	ug/l	# 29
76) 1,2,3-Trichloropropane	12.731	75	731830	25.611	ug/l	# 1
77) Bromobenzene	12.980	156	272734	12.096	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	731830	73.198	ug/l	# 5
90) Hexachloroethane	14.206	117	335	2.185	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.603	75	379	1.856	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.265	180	1245	3.173	ug/l	# 79
95) Naphthalene	15.507	128	162663	7.147	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	1495	3.245	ug/l	# 83

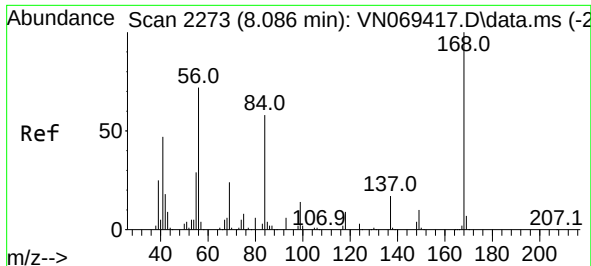
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112421\
Data File : VN069643.D
Acq On : 24 Nov 2021 15:32
Operator : JC/MD
Sample : M4815-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 26 06:59:50 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

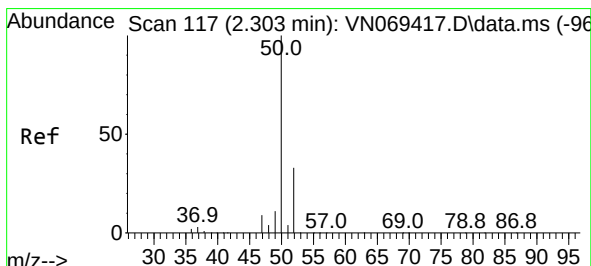
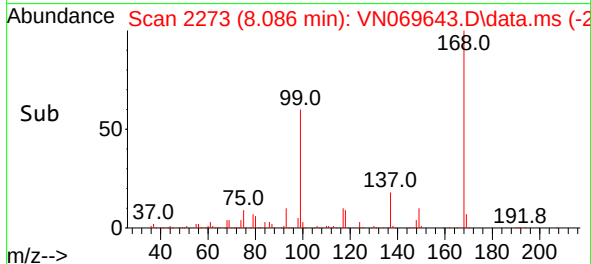
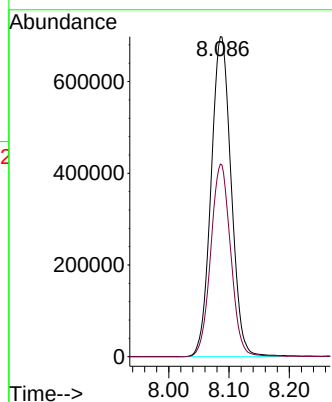
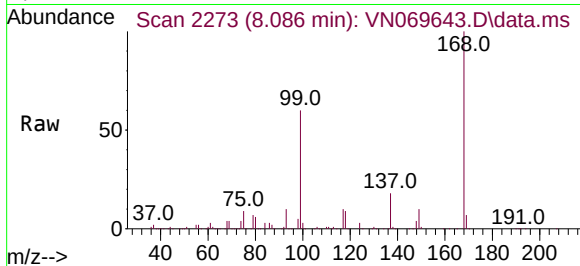




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

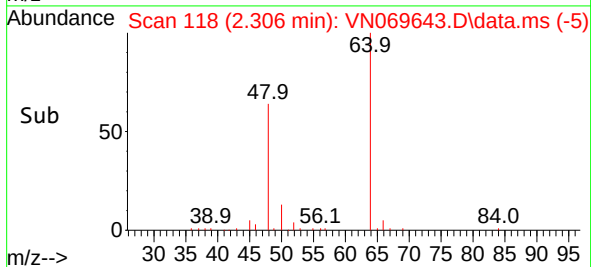
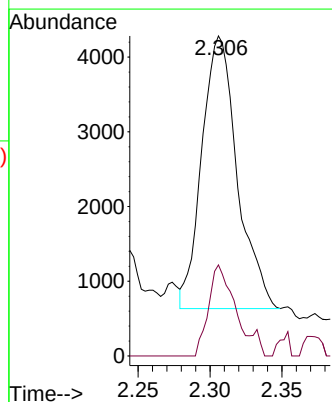
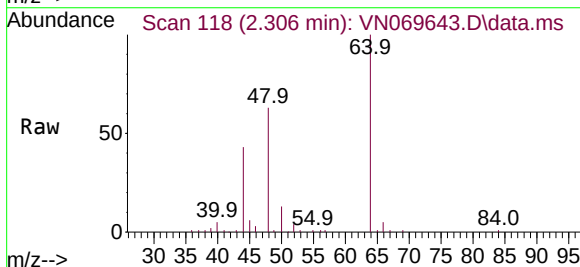
Instrument :
MSVOA_N
ClientSampleId :

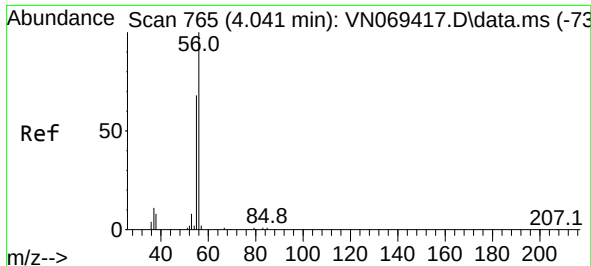
Tgt Ion:168 Resp: 1616947
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

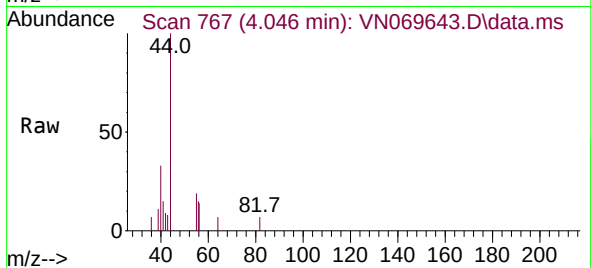
Tgt Ion: 50 Resp: 6266
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.0



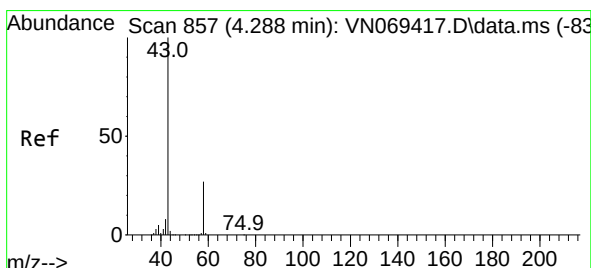
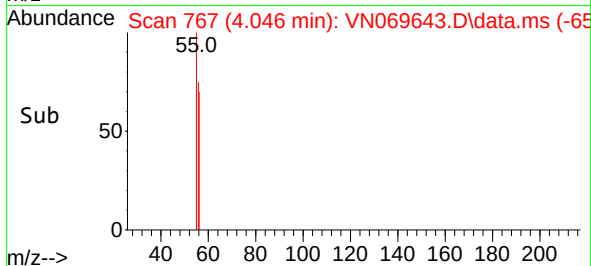
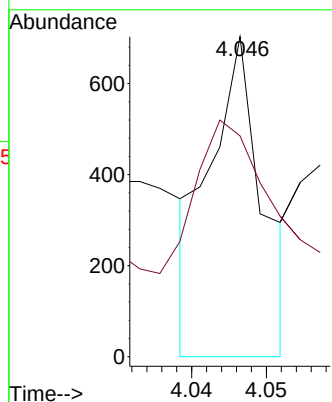


#13
Acrolein
Concen: Below Cal
RT: 4.046 min Scan# 765
Delta R.T. 0.005 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Instrument :
MSVOA_N
ClientSampleId :

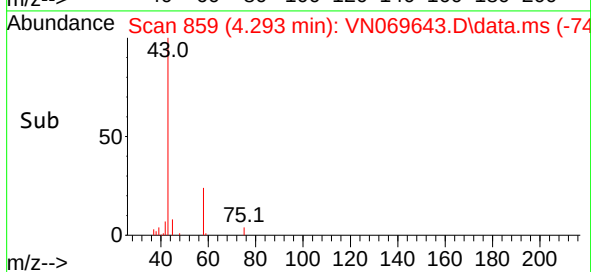
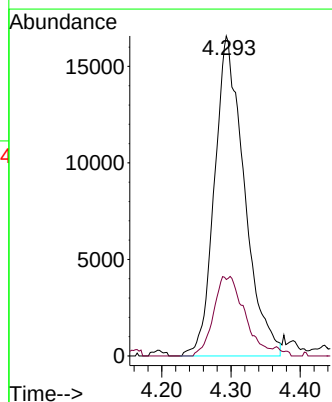
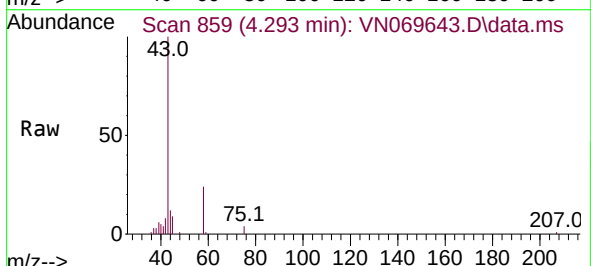


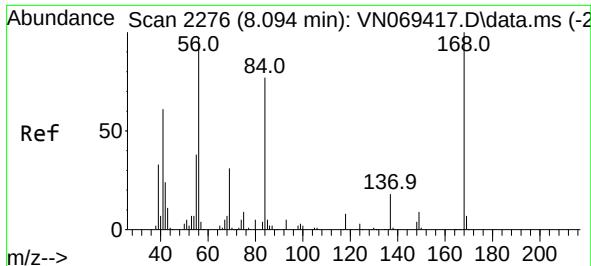
Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 142.2 56.6 85.0#



#16
Acetone
Concen: 3.913 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

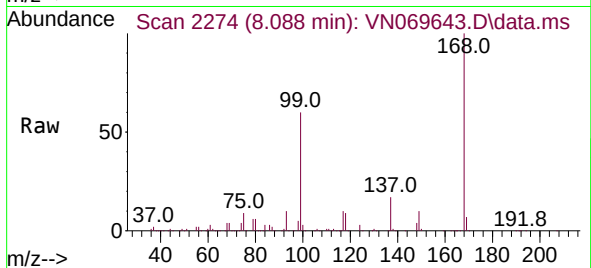
Tgt Ion: 43 Resp: 49498
Ion Ratio Lower Upper
43 100
58 23.9 23.1 34.7



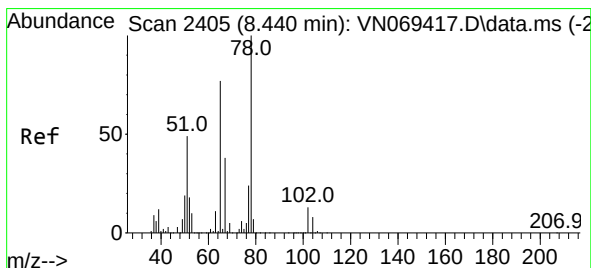
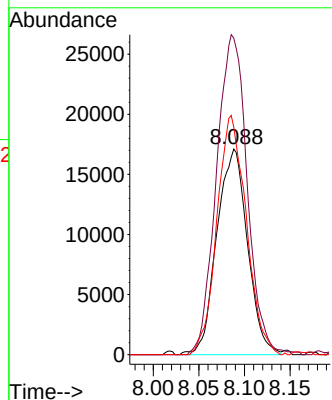
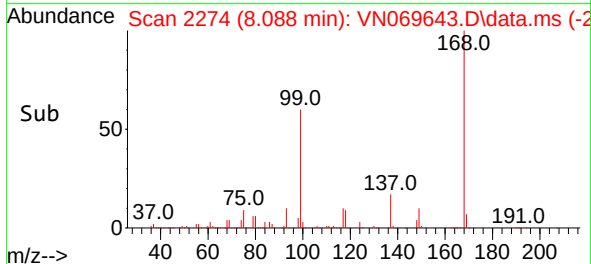


#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Instrument :
MSVOA_N
ClientSampleId :

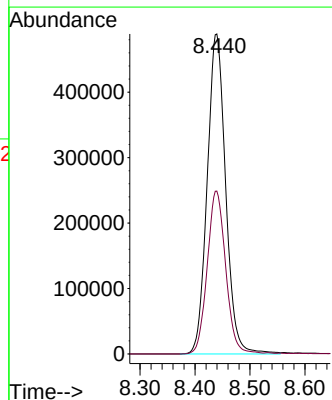
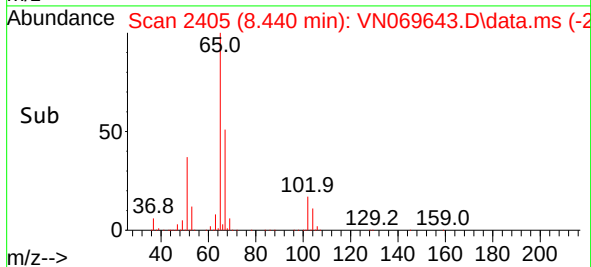
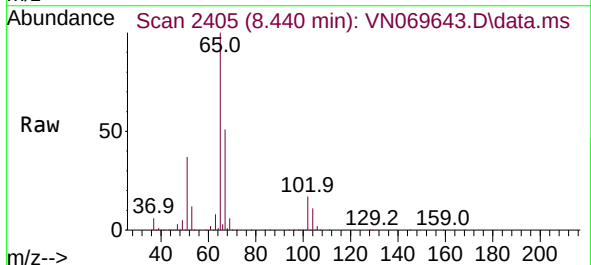


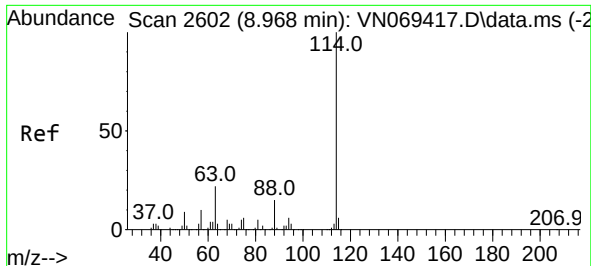
Tgt Ion: 56 Resp: 40010
Ion Ratio Lower Upper
56 100
69 154.0 27.1 40.7#
84 110.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.689 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion: 65 Resp: 1141503
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

Instrument :

MSVOA_N

ClientSampleId :

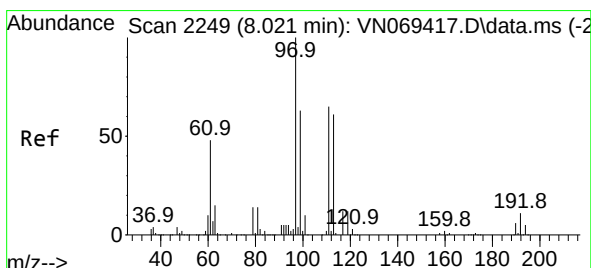
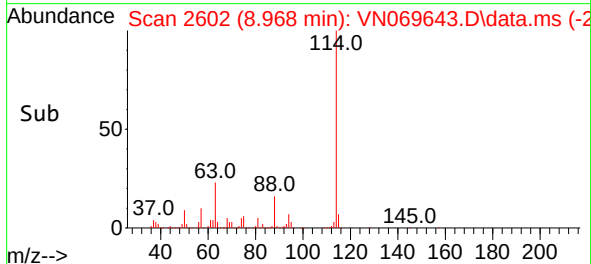
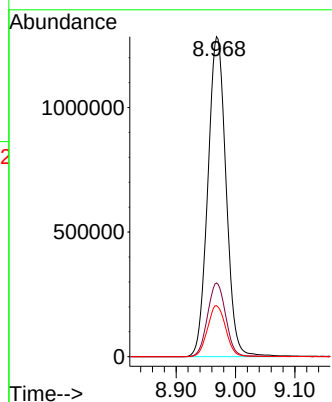
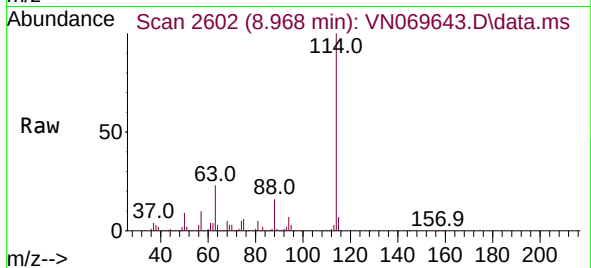
Tgt Ion:114 Resp: 2732686

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 15.9 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.979 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

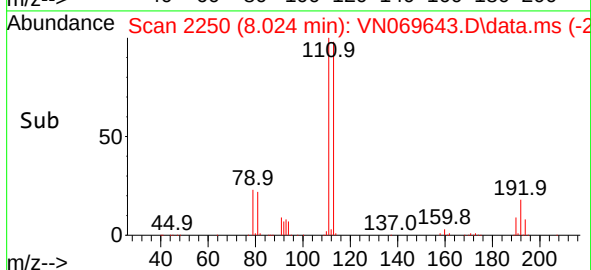
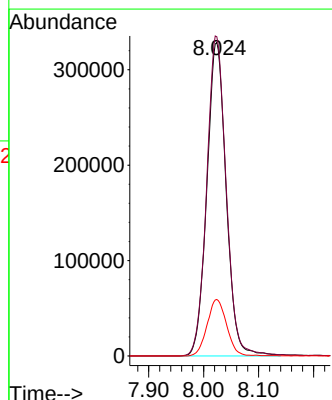
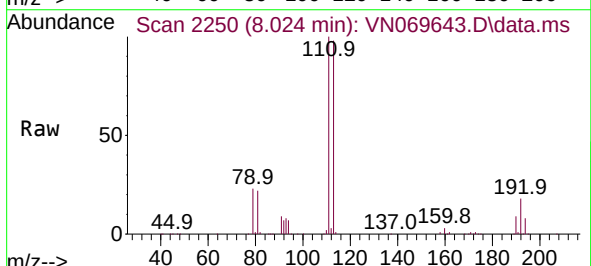
Tgt Ion:113 Resp: 802738

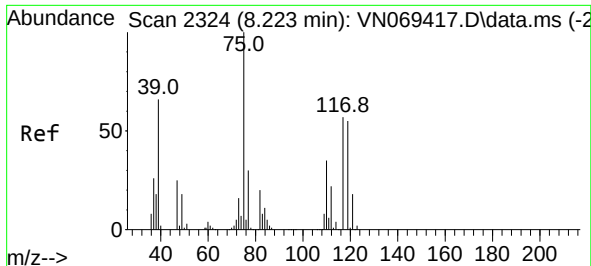
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 18.2 16.9 25.3

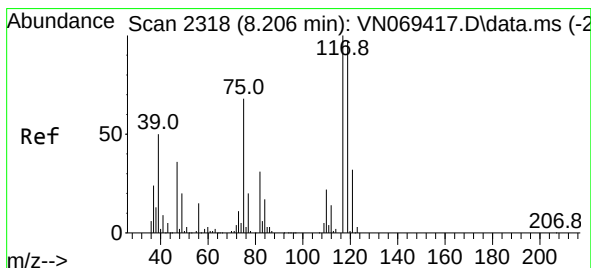
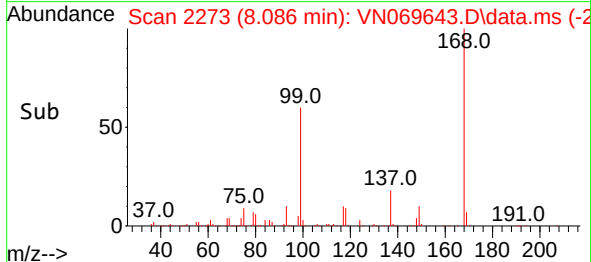
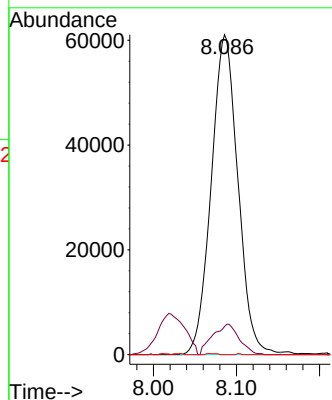
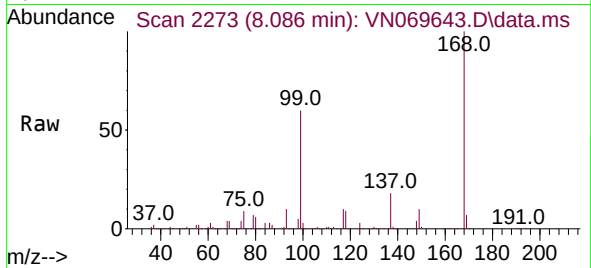




#36
1,1-Dichloropropene
Concen: 5.924 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

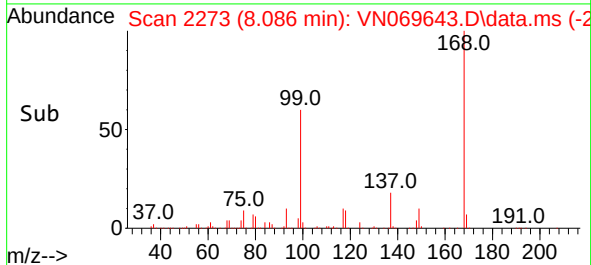
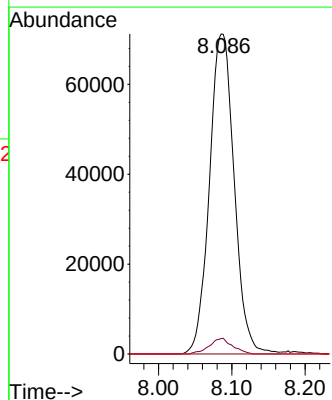
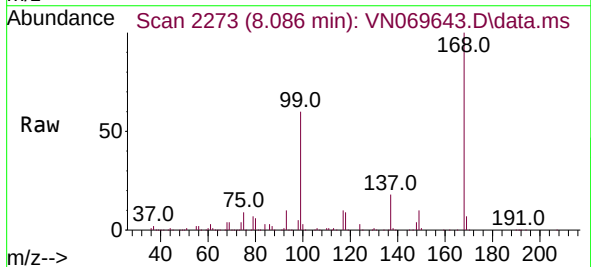
Instrument :
MSVOA_N
ClientSampleId :

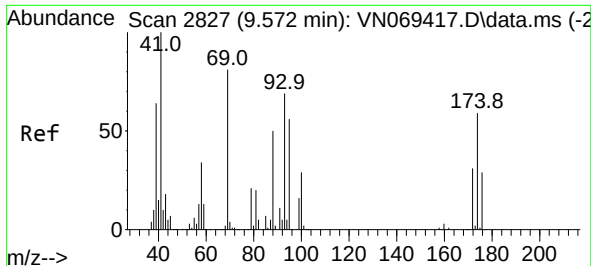
Tgt Ion: 75 Resp: 136223
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.532 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion:117 Resp: 167202
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.110 ug/l

RT: 9.566 min Scan# 21

Delta R.T. -0.006 min

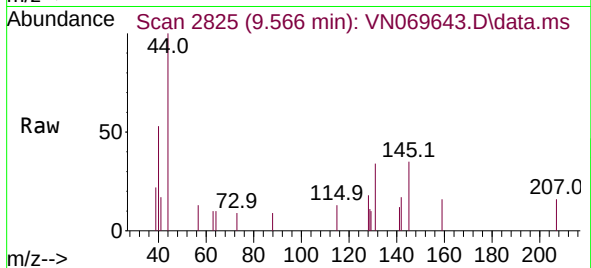
Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

Instrument :

MSVOA_N

ClientSampleId :



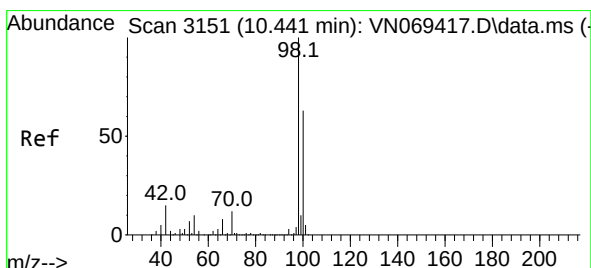
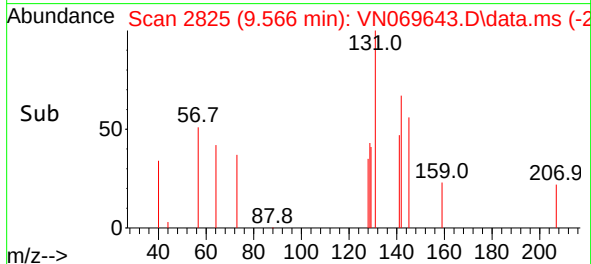
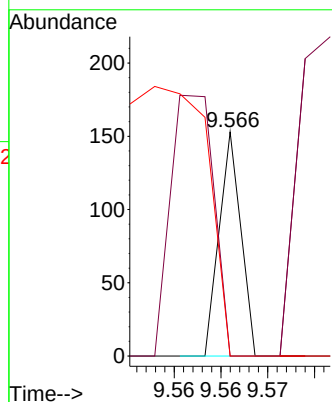
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 228.0 23.4 35.2#

58 448.0 50.6 75.8#



#50

Toluene-d8

Concen: 53.863 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069643.D

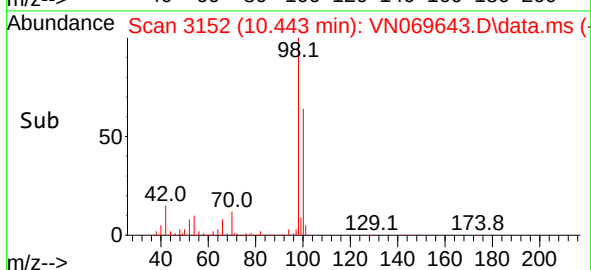
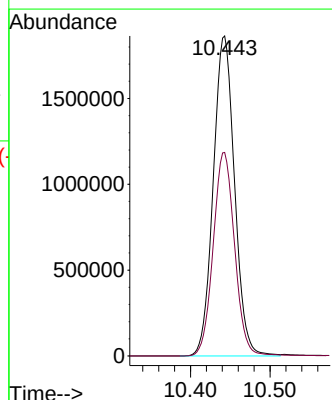
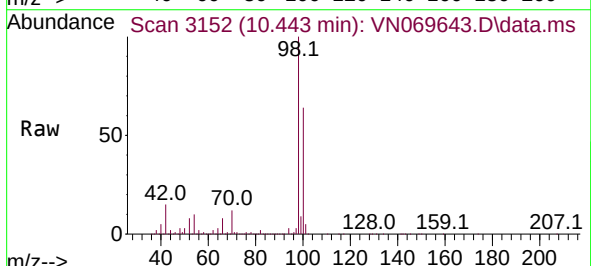
Acq: 24 Nov 2021 15:32

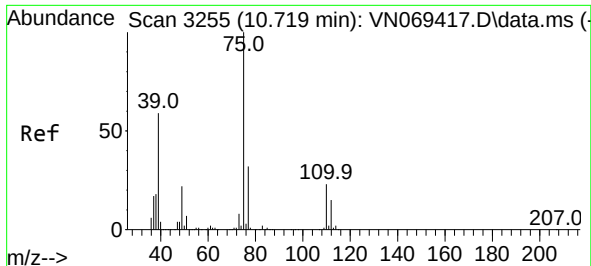
Tgt Ion: 98 Resp: 3471991

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6

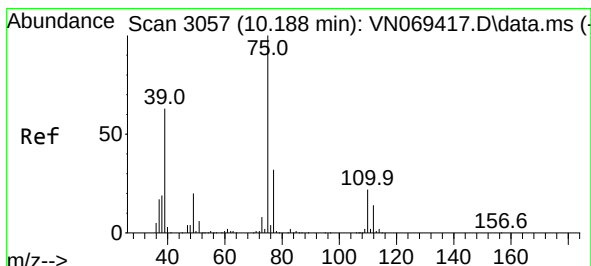
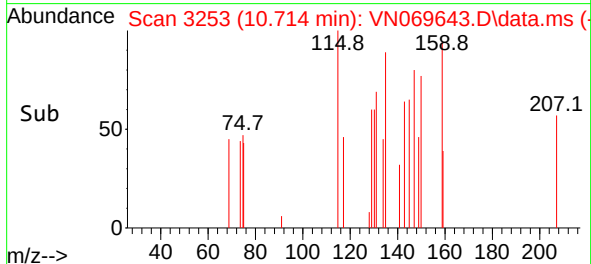
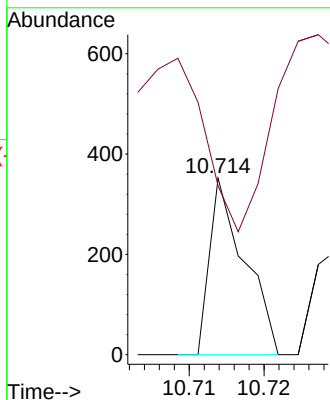
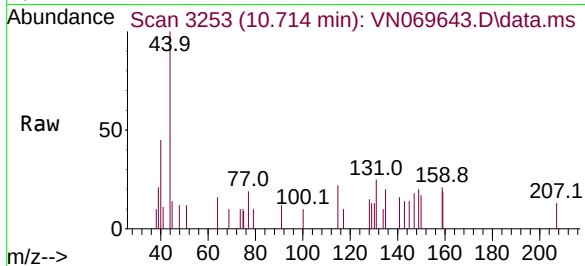




#53
t-1,3-Dichloropropene
Concen: 2.641 ug/l
RT: 10.714 min Scan# 3114
Delta R.T. -0.005 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

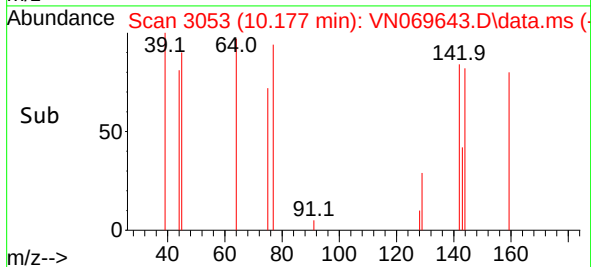
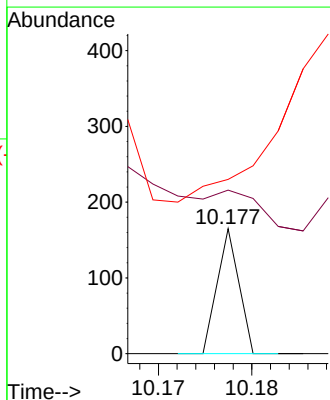
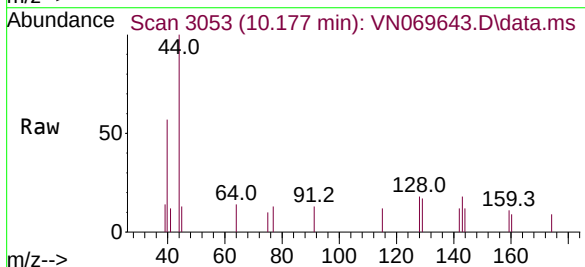
Instrument :
MSVOA_N
ClientSampleId :

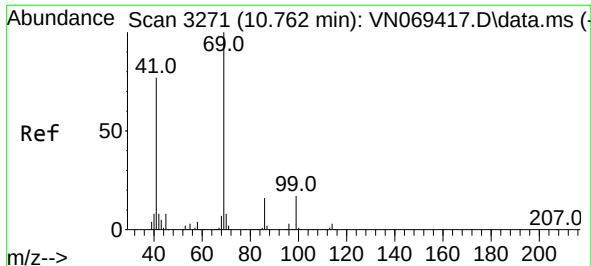
Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 1.734 ug/l
RT: 10.177 min Scan# 3053
Delta R.T. -0.011 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 29.1 26.4 39.6
39 18.2 42.5 63.7#

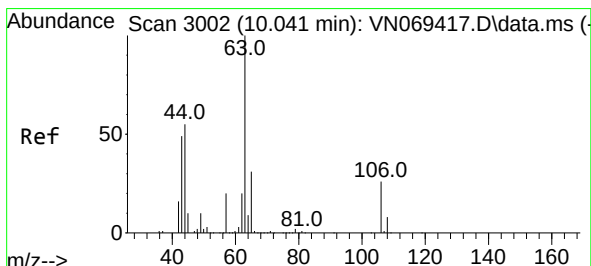
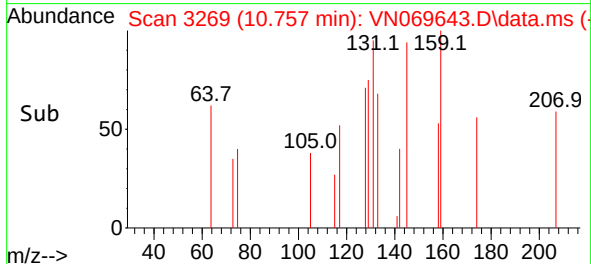
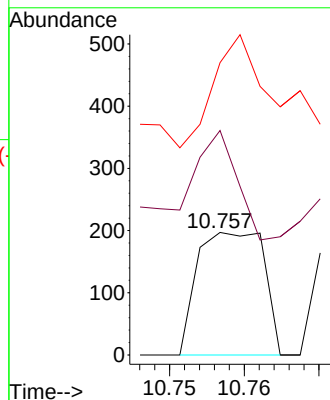
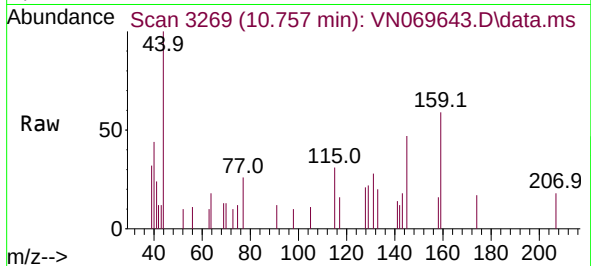




#56
Ethyl methacrylate
Concen: 2.056 ug/l
RT: 10.757 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

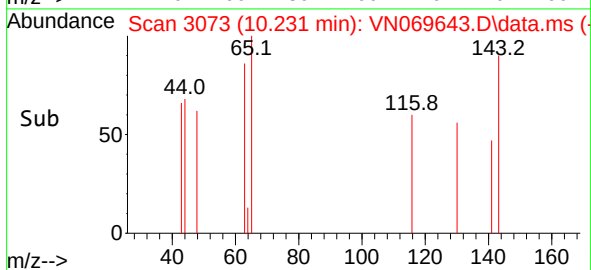
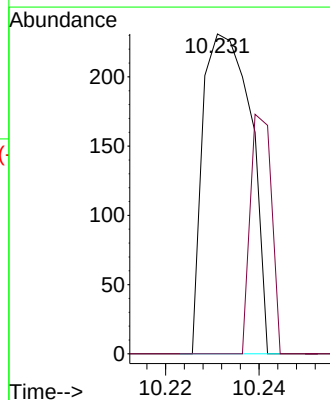
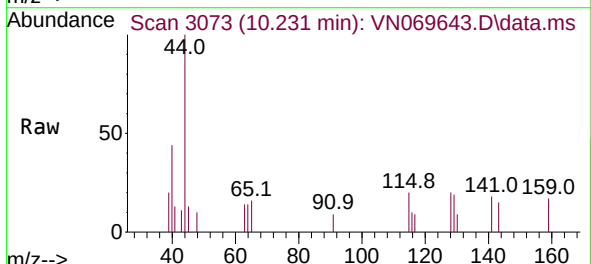
Instrument :
MSVOA_N
ClientSampleId :

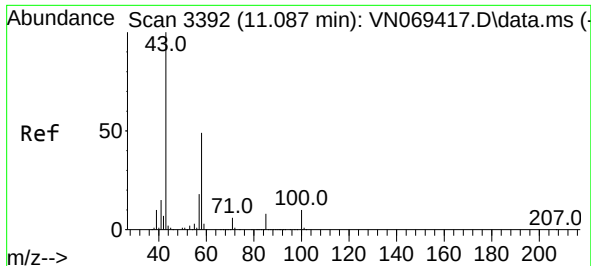
Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 142.6 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.787 ug/l
RT: 10.231 min Scan# 3073
Delta R.T. 0.190 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion: 63 Resp: 164
Ion Ratio Lower Upper
63 100
106 32.9 23.9 35.9

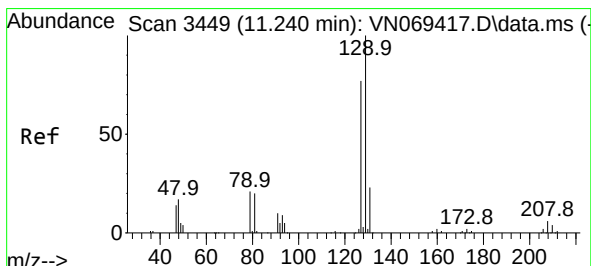
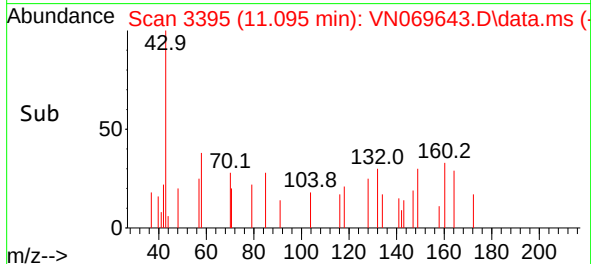
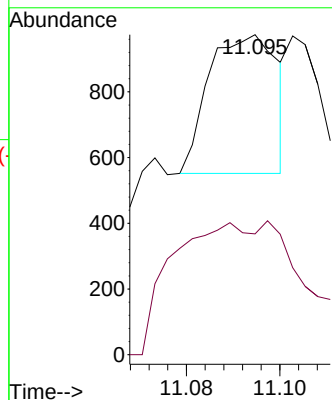
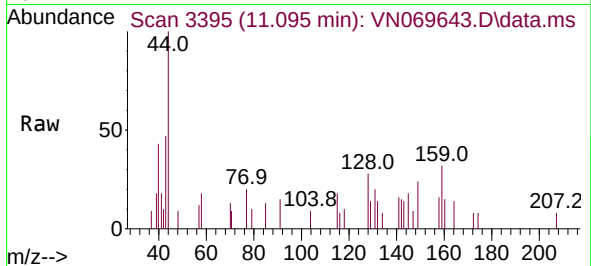




#59
2-Hexanone
Concen: 7.957 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

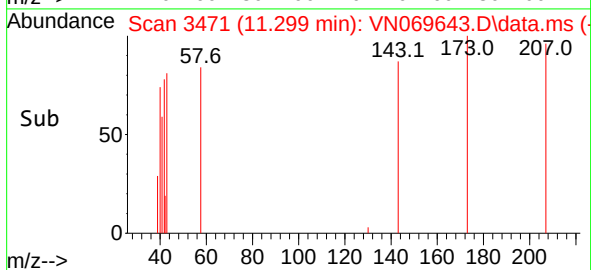
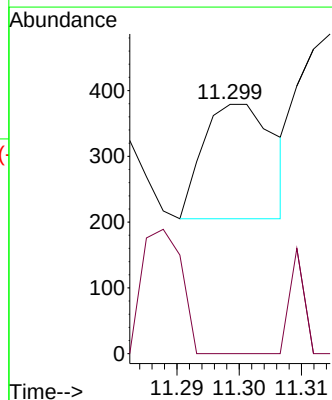
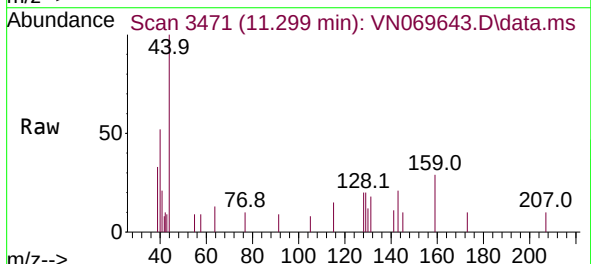
Instrument :
MSVOA_N
ClientSampleId :

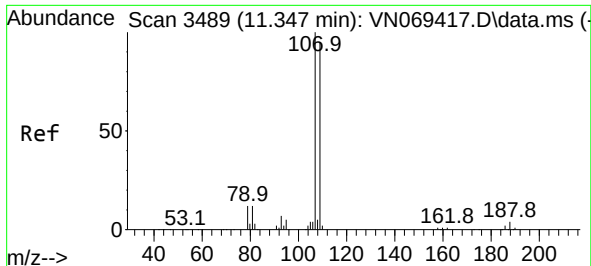
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
58 176.1 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.424 ug/l
RT: 11.299 min Scan# 3471
Delta R.T. 0.059 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion: 129 Resp: 137
Ion Ratio Lower Upper
129 100
127 60.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 1.072 ug/l

RT: 11.317 min Scan# 34

Delta R.T. -0.030 min

Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

Instrument :

MSVOA_N

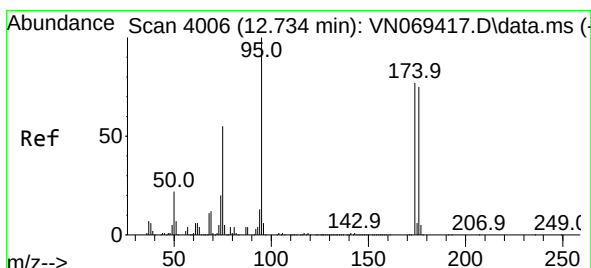
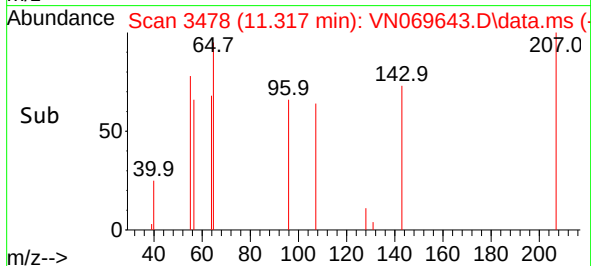
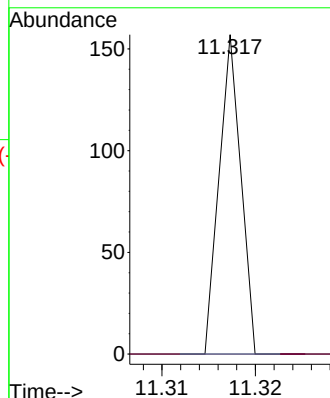
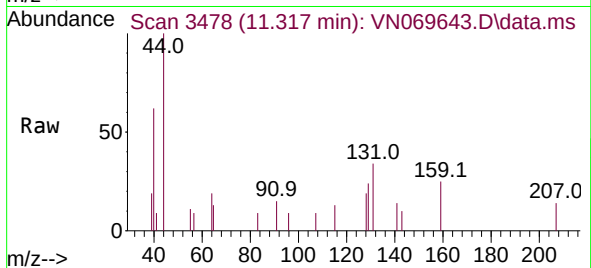
ClientSampleId :

Tgt Ion:107 Resp: 25

Ion Ratio Lower Upper

107 100

109 0.0 75.7 113.5#



#62

4-Bromofluorobenzene

Concen: 55.295 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.003 min

Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

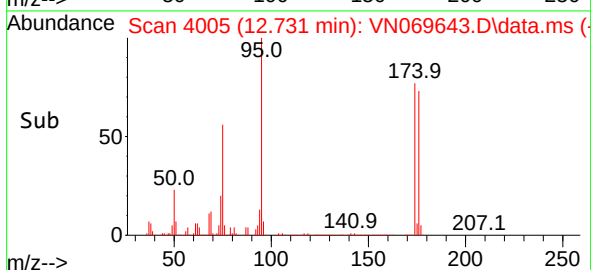
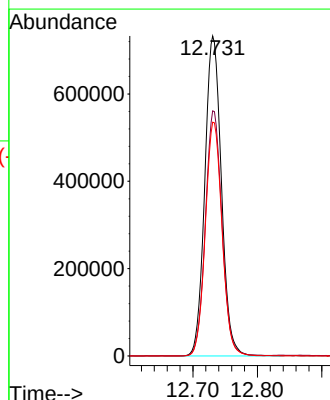
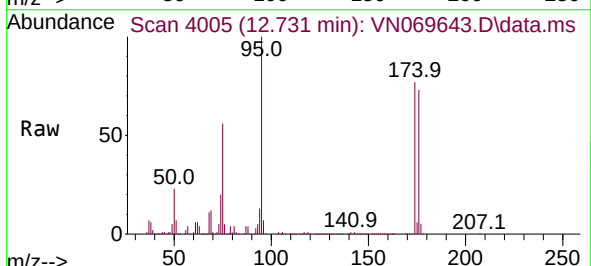
Tgt Ion: 95 Resp: 1309400

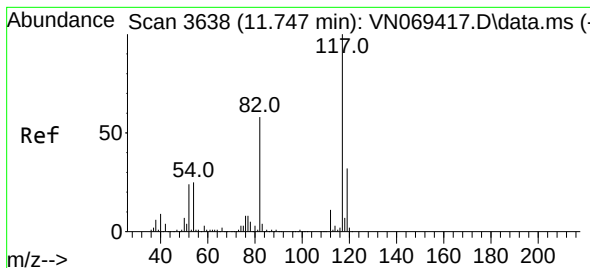
Ion Ratio Lower Upper

95 100

174 76.7 0.0 187.2

176 73.6 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.003 min

Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

Instrument :

MSVOA_N

ClientSampleId :

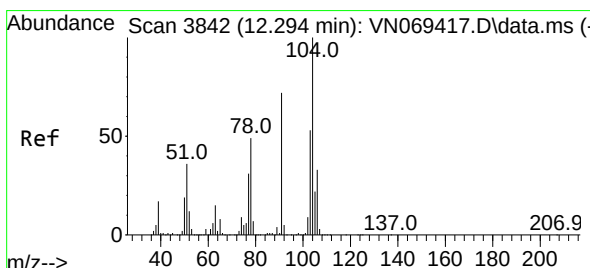
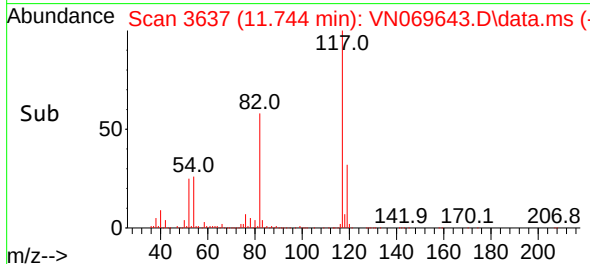
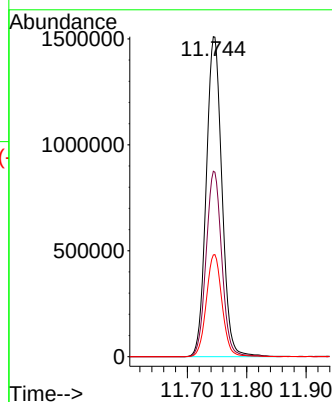
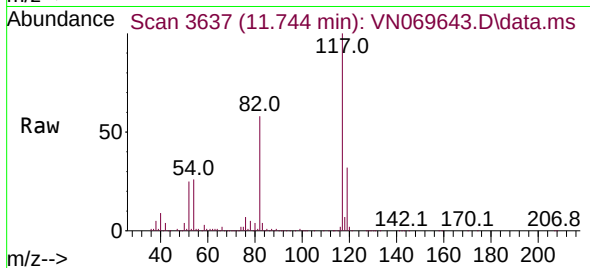
Tgt Ion:117 Resp: 2766303

Ion Ratio Lower Upper

117 100

82 57.9 42.4 63.6

119 31.8 25.4 38.2



#70

Styrene

Concen: 1.526 ug/l

RT: 12.296 min Scan# 3843

Delta R.T. 0.002 min

Lab File: VN069643.D

Acq: 24 Nov 2021 15:32

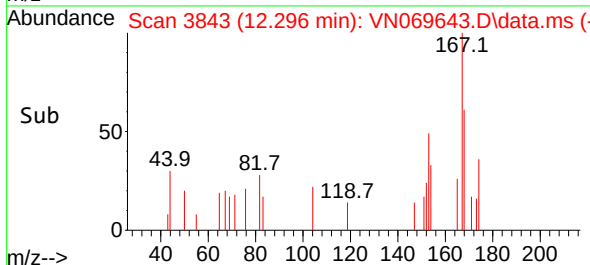
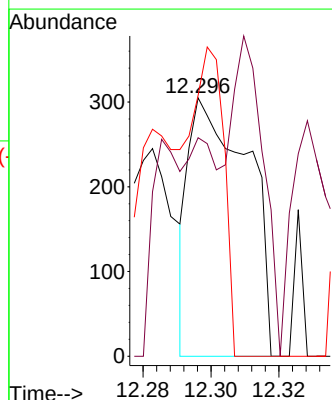
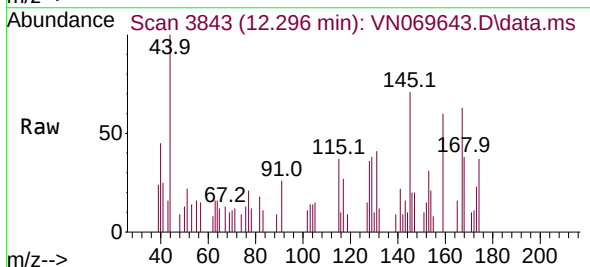
Tgt Ion:104 Resp: 366

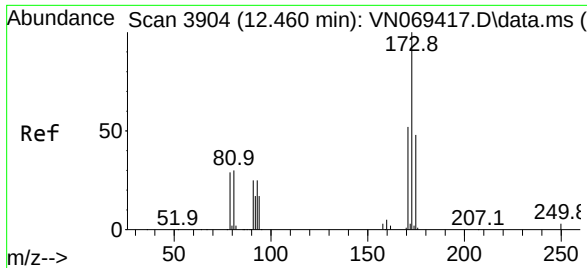
Ion Ratio Lower Upper

104 100

78 73.8 38.7 58.1#

103 66.9 45.0 67.6

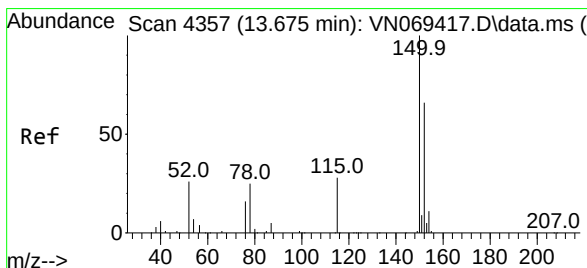
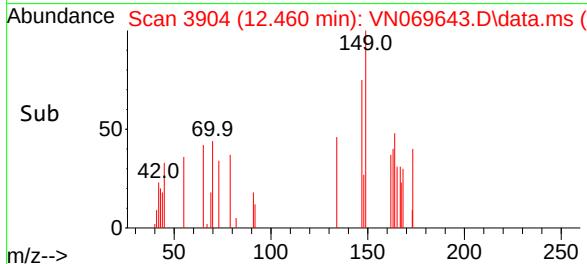
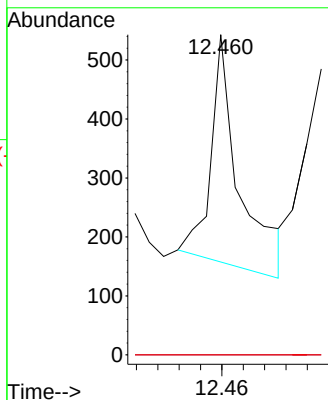
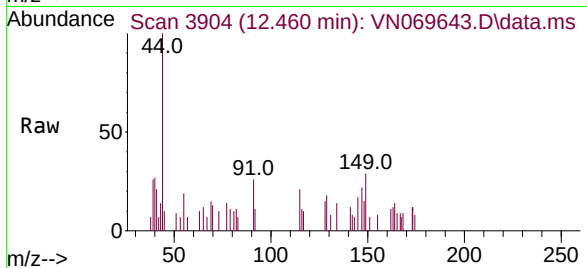




#71
Bromoform
Concen: 3.436 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. -0.000 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

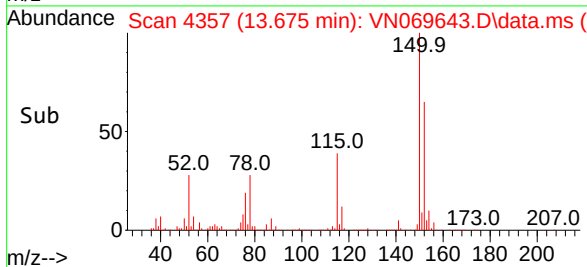
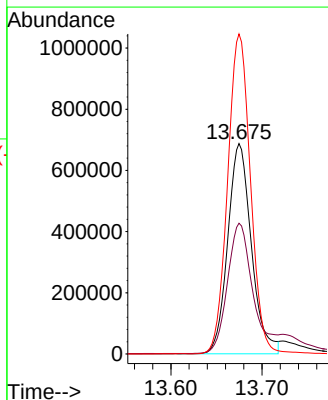
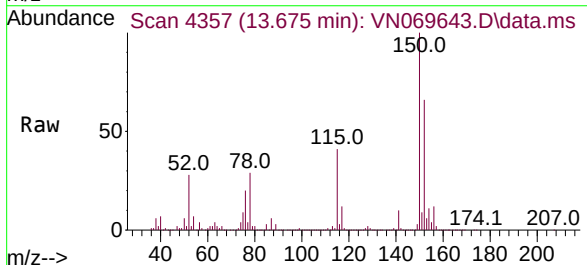
Instrument :
MSVOA_N
ClientSampleId :

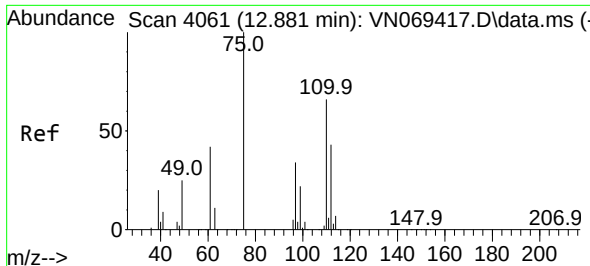
Tgt Ion:173 Resp: 139
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion:152 Resp: 1238209
Ion Ratio Lower Upper
152 100
115 67.2 27.5 82.5
150 147.4 0.0 344.4

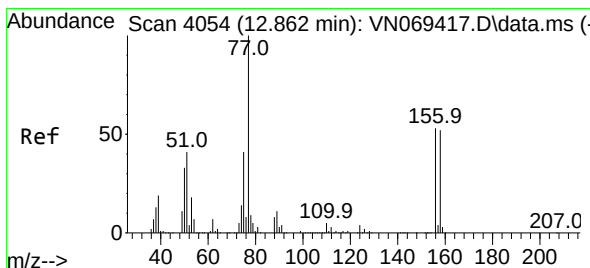
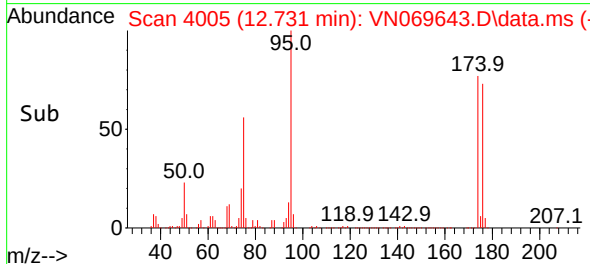
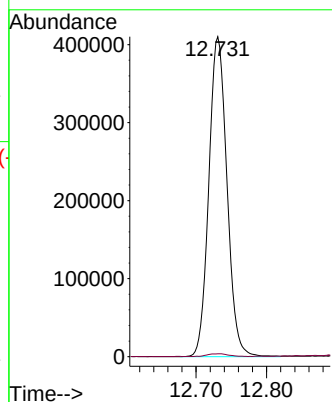
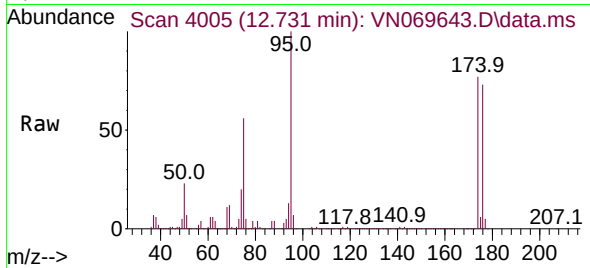




#76
1,2,3-Trichloropropane
Concen: 25.611 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

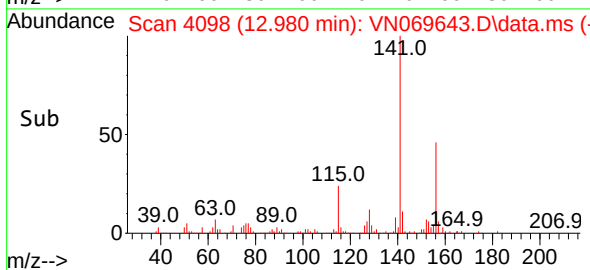
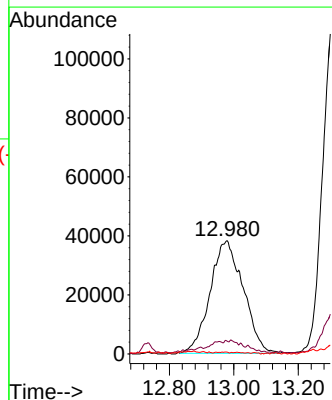
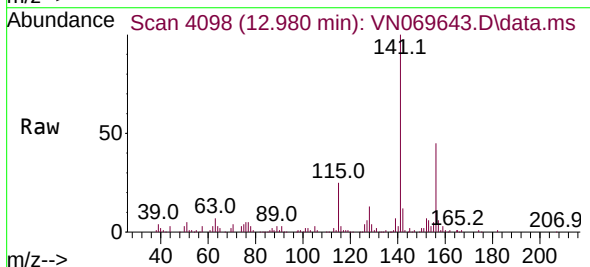
Instrument :
MSVOA_N
ClientSampleId :

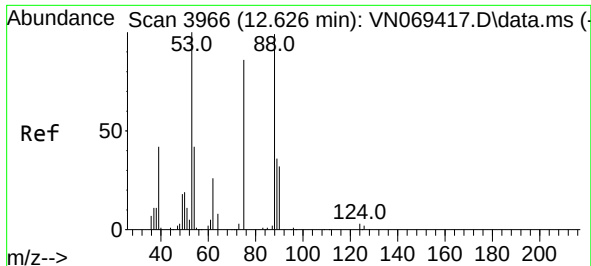
Tgt Ion: 75 Resp: 731830
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#77
Bromobenzene
Concen: 12.096 ug/l
RT: 12.980 min Scan# 4098
Delta R.T. 0.118 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion: 156 Resp: 272734
Ion Ratio Lower Upper
156 100
77 0.0 90.6 271.8#
158 0.0 48.9 146.7#

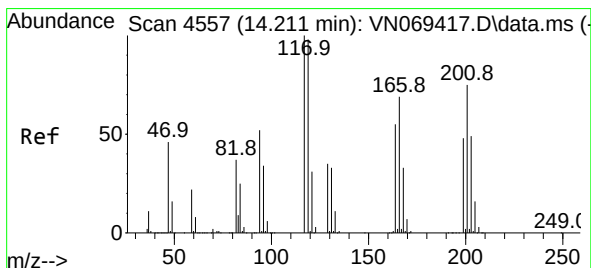
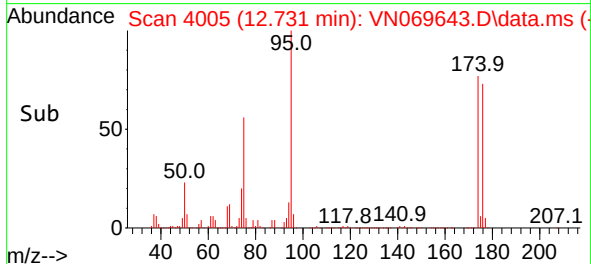
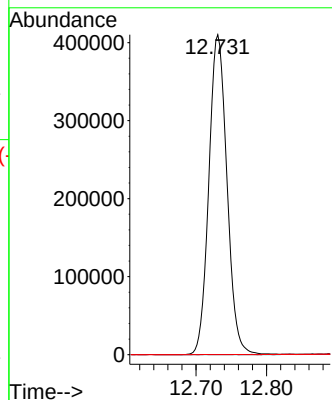
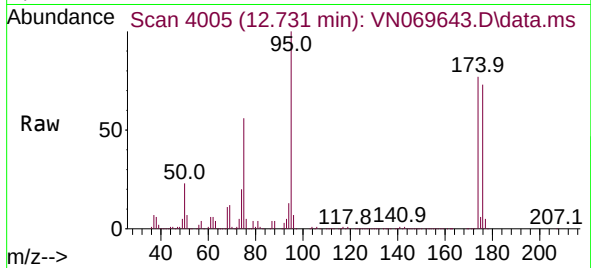




#81
trans-1,4-Dichloro-2-butene
Concen: 73.198 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

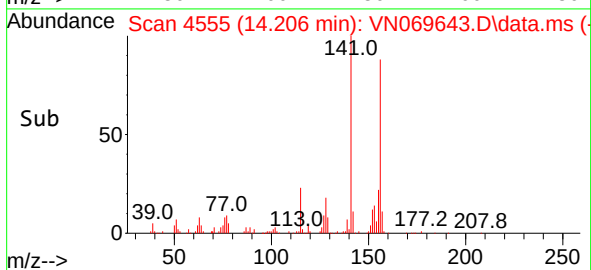
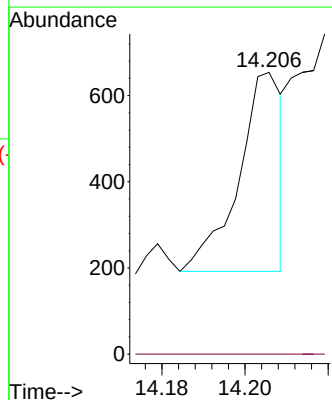
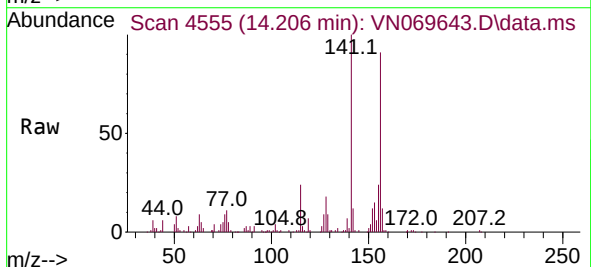
Instrument :
MSVOA_N
ClientSampleId :

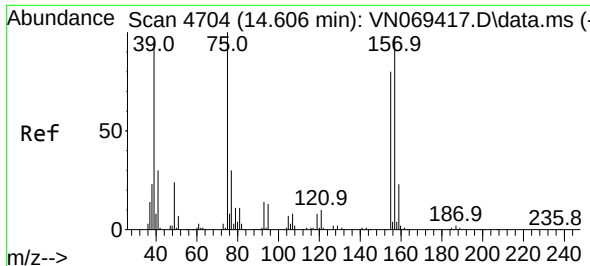
Tgt Ion: 75 Resp: 731830
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.185 ug/l
RT: 14.206 min Scan# 4555
Delta R.T. -0.005 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion: 117 Resp: 335
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

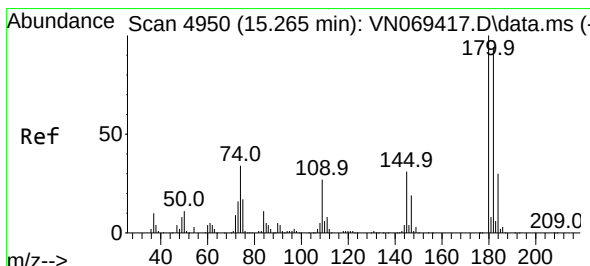
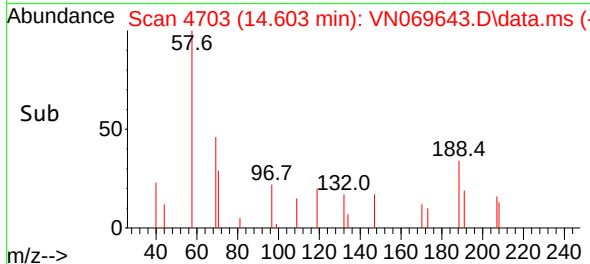
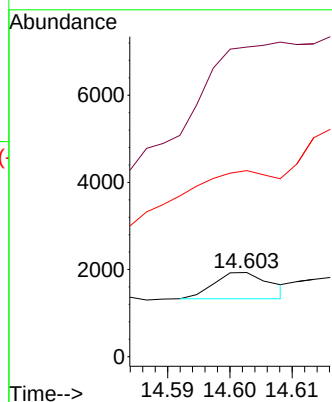
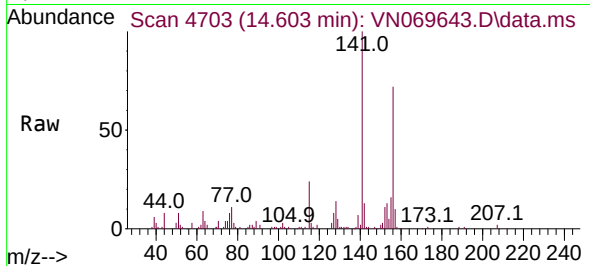




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.856 ug/l
 RT: 14.603 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069643.D
 Acq: 24 Nov 2021 15:32

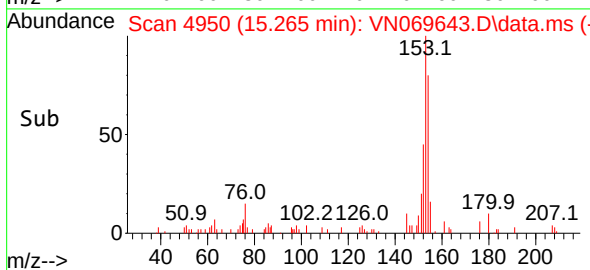
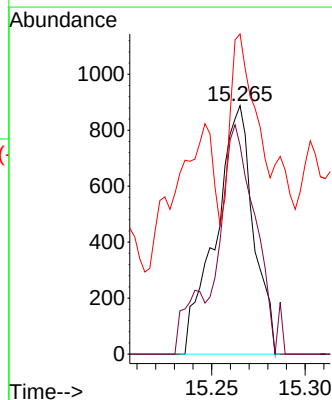
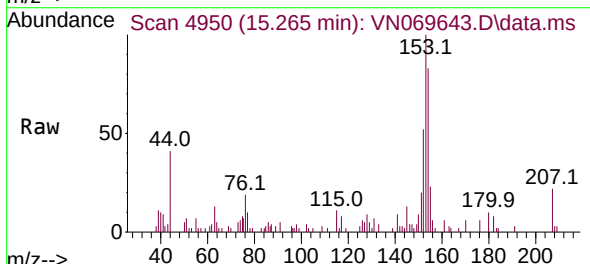
Instrument :
 MSVOA_N
 ClientSampleId :

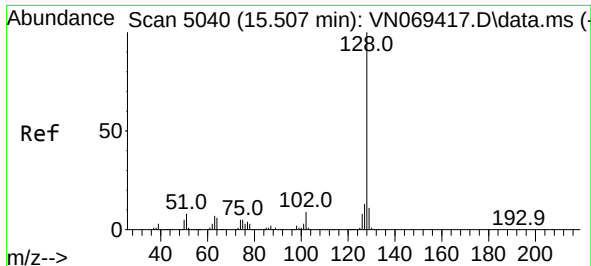
Tgt Ion: 75 Resp: 379
 Ion Ratio Lower Upper
 75 100
 155 6685.2 46.9 140.7#
 157 1809.2 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.173 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069643.D
 Acq: 24 Nov 2021 15:32

Tgt Ion: 180 Resp: 1245
 Ion Ratio Lower Upper
 180 100
 182 82.2 48.3 144.9
 145 52.0 14.5 43.5#

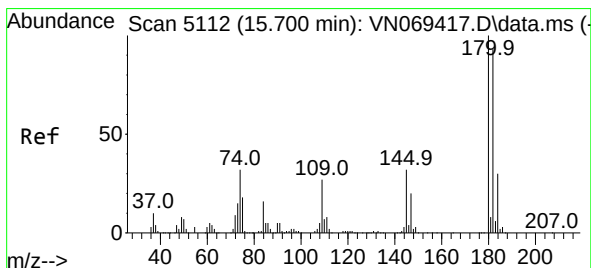
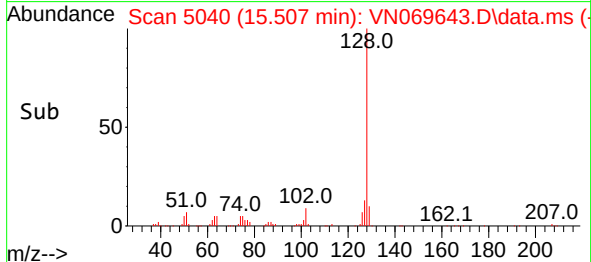
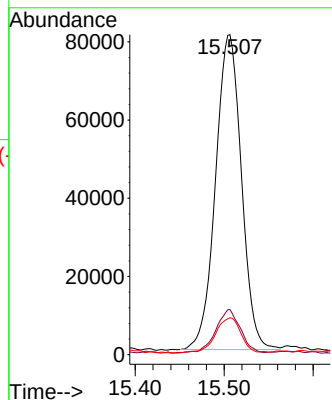
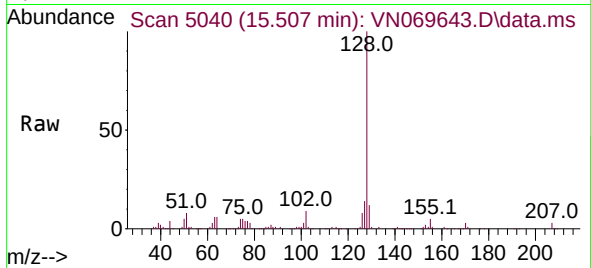




#95
Naphthalene
Concen: 7.147 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 162663
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.245 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN069643.D
Acq: 24 Nov 2021 15:32

Tgt Ion:180 Resp: 1495
Ion Ratio Lower Upper
180 100
182 98.5 47.4 142.2
145 61.3 15.0 45.1#

