

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069552.D
 Acq On : 18 Nov 2021 14:52
 Operator : JC/MD
 Sample : M4740-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 03:18:26 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)

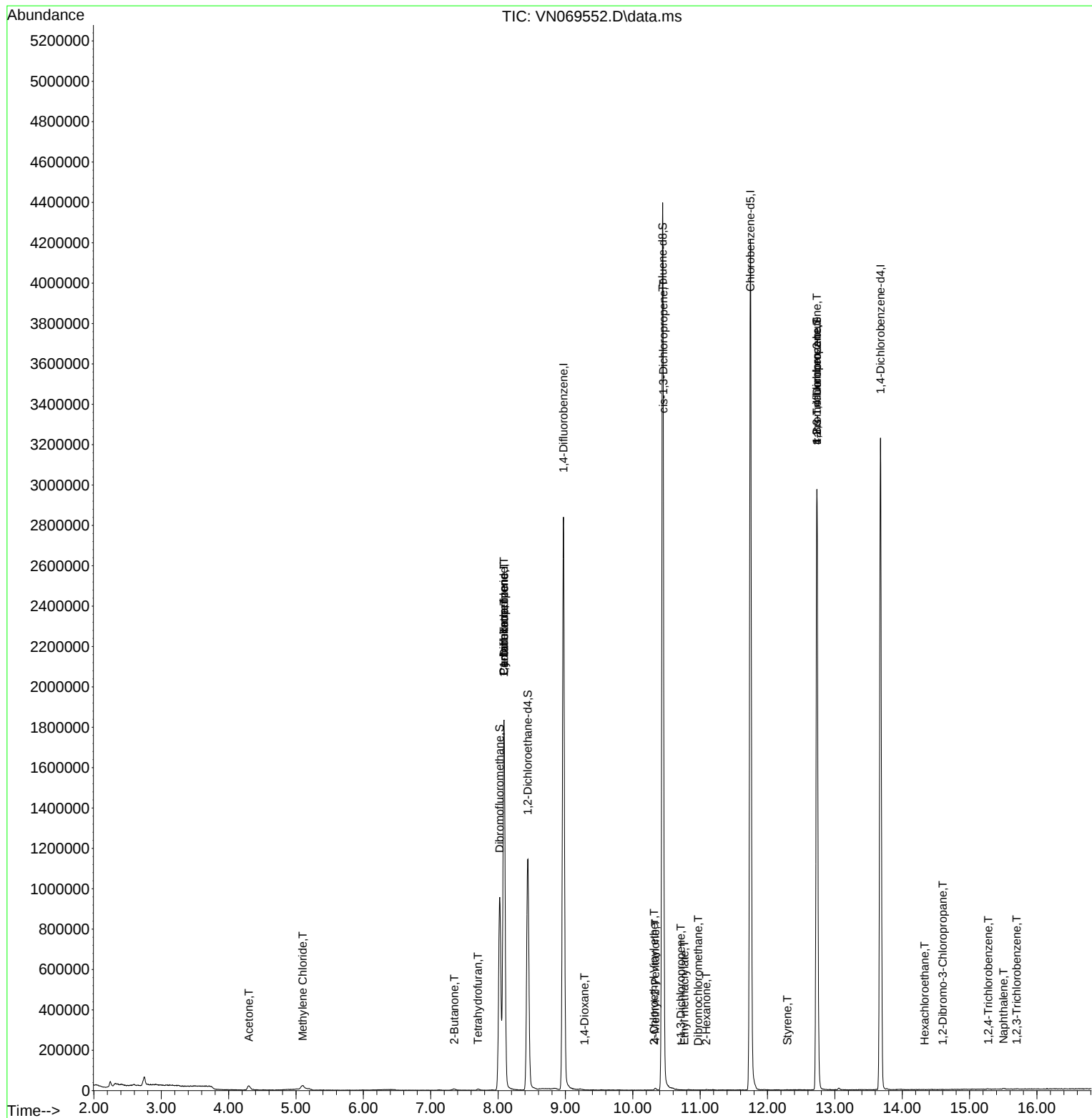
Internal Standards						
1) Pentafluorobenzene	8.088	168	1371134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2378654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2354924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	847282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	996481	50.123	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.240%	
35) Dibromofluoromethane	8.024	113	694642	48.692	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.380%	
50) Toluene-d8	10.443	98	3019712	53.819	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.733	95	1045055	50.701	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.400%	
Target Compounds						
					Qvalue	
13) Acrolein	4.033	56	418	Below Cal	#	1
16) Acetone	4.299	43	38280	3.569	ug/l	94
20) Methylene Chloride	5.101	84	11526	0.758	ug/l #	90
25) 2-Butanone	7.351	43	8967	0.617	ug/l #	79
29) Tetrahydrofuran	7.699	42	2770	0.311	ug/l #	67
31) Cyclohexane	8.088	56	35434	1.305	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	117180	5.855	ug/l #	49
38) Carbon Tetrachloride	8.088	117	143209	7.411	ug/l #	16
49) 1,4-Dioxane	9.284	88	26	39.120	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7288	0.260	ug/l	89
53) t-1,3-Dichloropropene	10.711	75	51	2.639	ug/l #	72
54) cis-1,3-Dichloropropene	10.454	75	929	1.766	ug/l #	1
56) Ethyl methacrylate	10.765	69	116	2.057	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.314	63	25	22.773	ug/l #	45
59) 2-Hexanone	11.092	43	989	7.982	ug/l	84
60) Dibromochloromethane	10.971	129	25	2.419	ug/l #	11
70) Styrene	12.294	104	227	1.524	ug/l #	26
76) 1,2,3-Trichloropropane	12.733	75	590773	30.213	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	590773	85.313	ug/l #	5
90) Hexachloroethane	14.335	117	52	2.167	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.603	75	51	1.808	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.276	180	767	3.167	ug/l #	18
95) Naphthalene	15.504	128	2207	4.505	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.700	180	746	3.224	ug/l	71

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
Data File : VN069552.D
Acq On : 18 Nov 2021 14:52
Operator : JC/MD
Sample : M4740-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 19 03:18:26 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

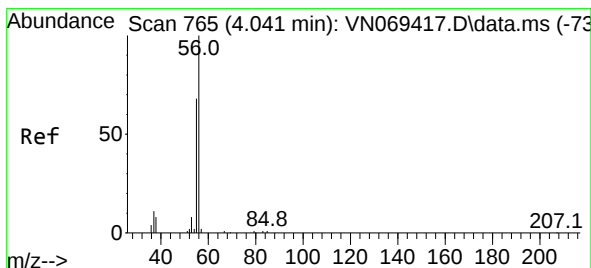
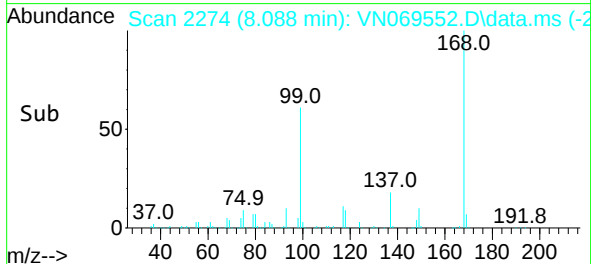
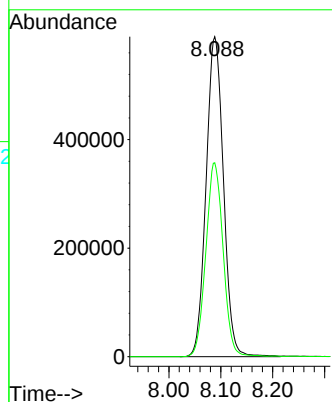
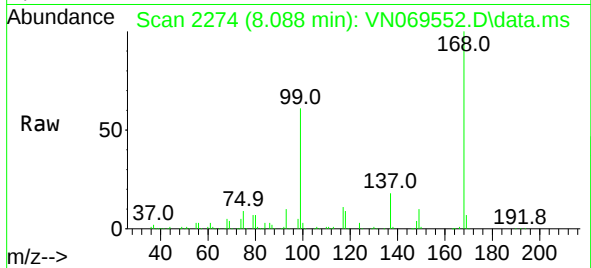




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

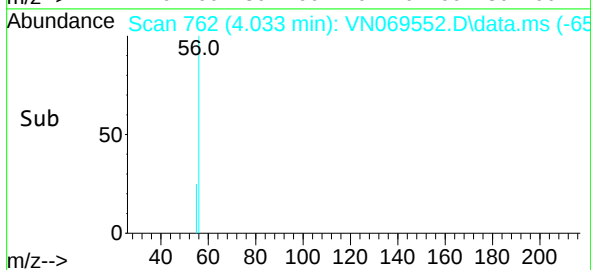
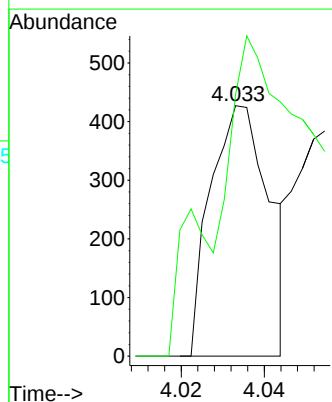
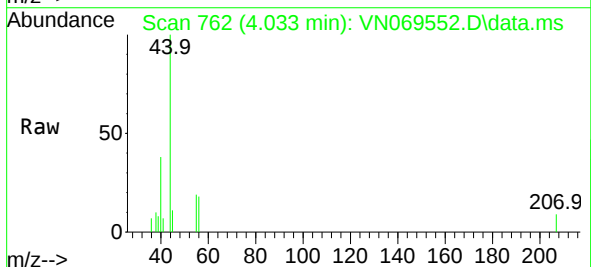
Instrument :
MSVOA_N
ClientSampleId :

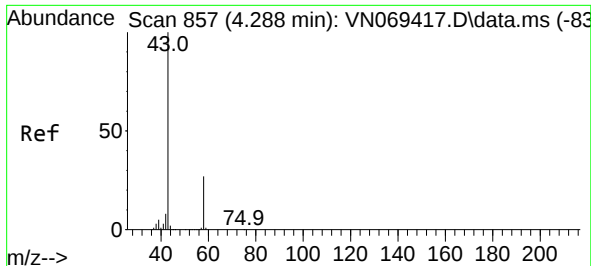
Tgt Ion:168 Resp: 1371134
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion: 56 Resp: 418
Ion Ratio Lower Upper
56 100
55 235.6 56.6 85.0#

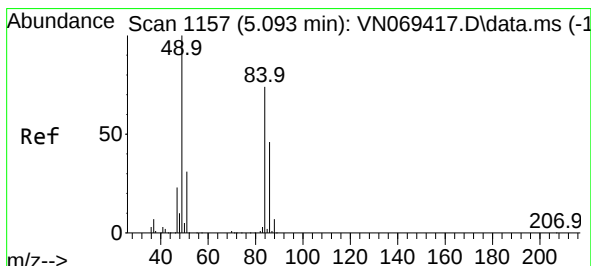
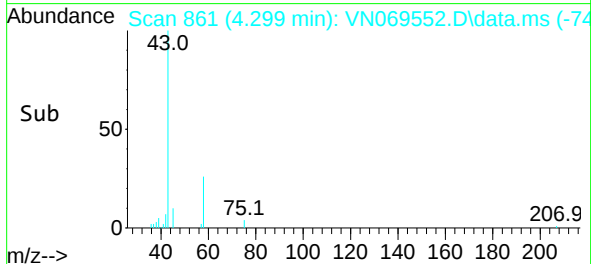
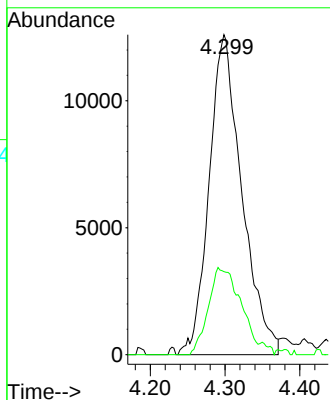
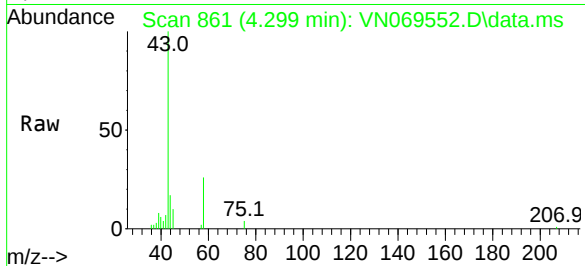




#16
Acetone
Concen: 3.569 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

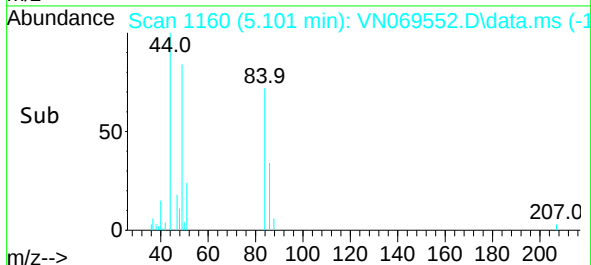
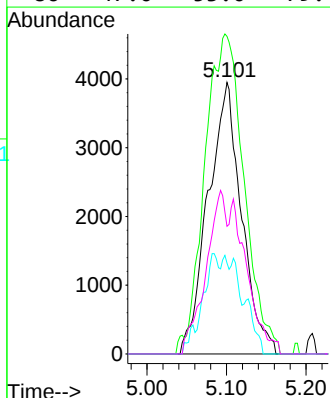
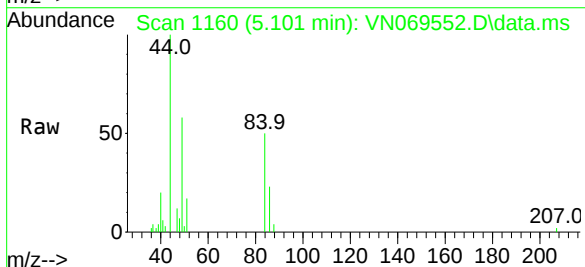
Instrument :
MSVOA_N
ClientSampleId :

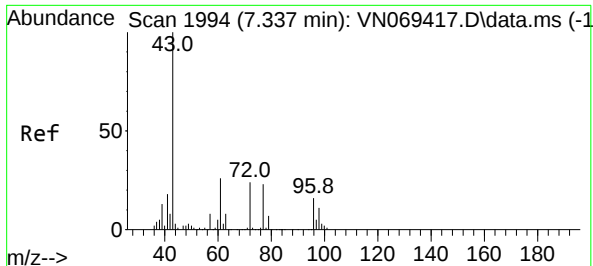
Tgt Ion: 43 Resp: 38280
Ion Ratio Lower Upper
43 100
58 26.0 23.1 34.7



#20
Methylene Chloride
Concen: 0.758 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion: 84 Resp: 11526
Ion Ratio Lower Upper
84 100
49 112.7 93.5 140.3
51 33.5 29.4 44.2
86 47.0 53.0 79.4#





#25

2-Butanone

Concen: 0.617 ug/l

RT: 7.351 min Scan# 1994

Delta R.T. 0.014 min

Lab File: VN069552.D

Acq: 18 Nov 2021 14:52

Instrument :

MSVOA_N

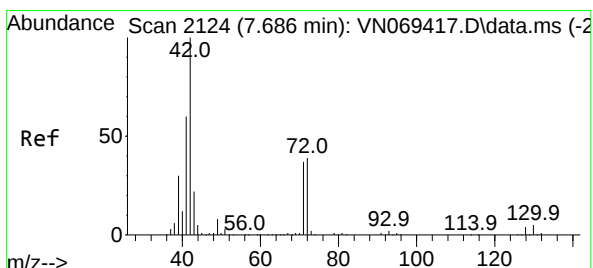
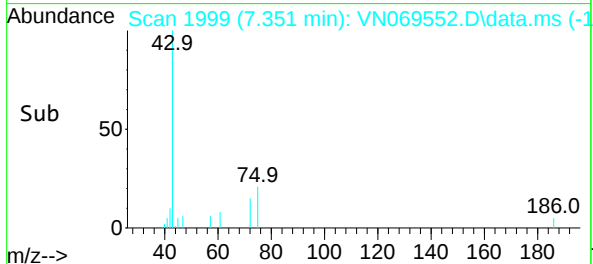
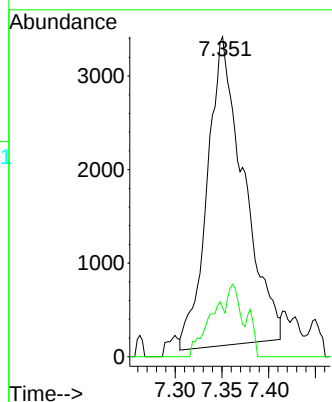
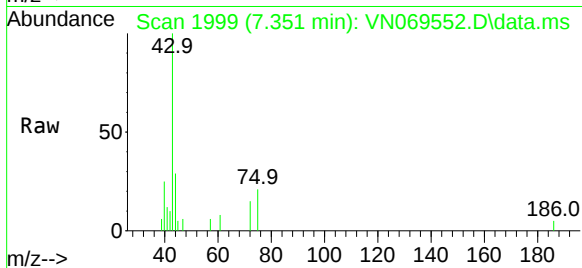
ClientSampleId :

Tgt Ion: 43 Resp: 8967

Ion Ratio Lower Upper

43 100

72 16.1 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.311 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.013 min

Lab File: VN069552.D

Acq: 18 Nov 2021 14:52

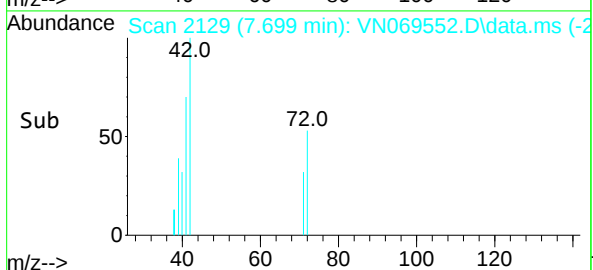
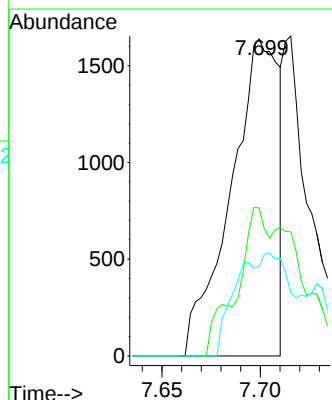
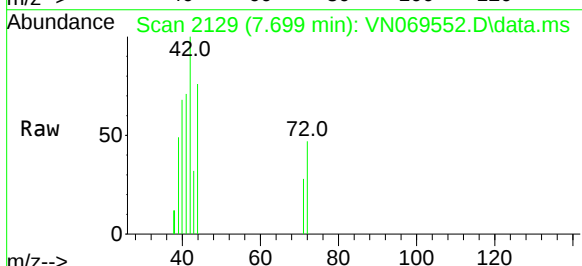
Tgt Ion: 42 Resp: 2770

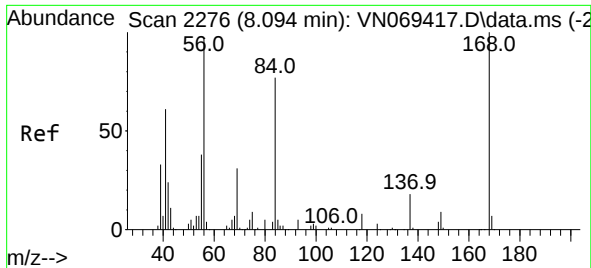
Ion Ratio Lower Upper

42 100

72 31.2 36.3 54.5#

71 15.0 34.7 52.1#

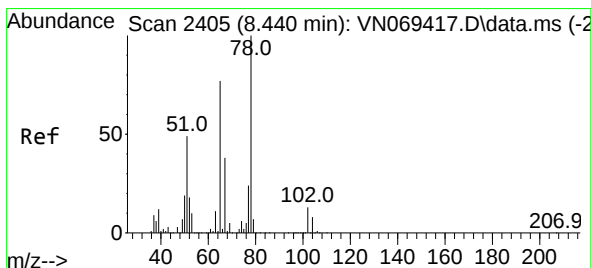
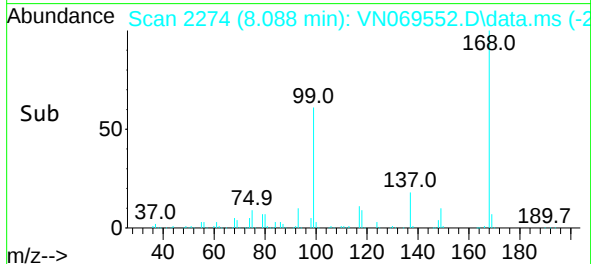
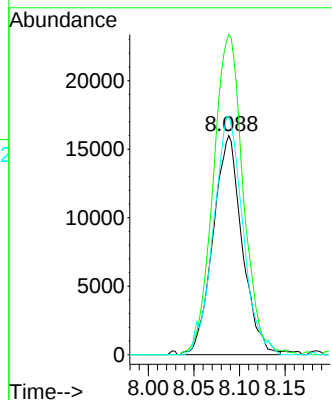
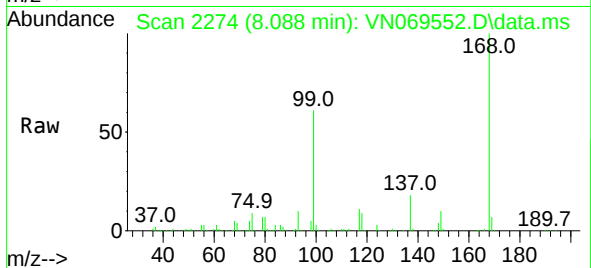




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

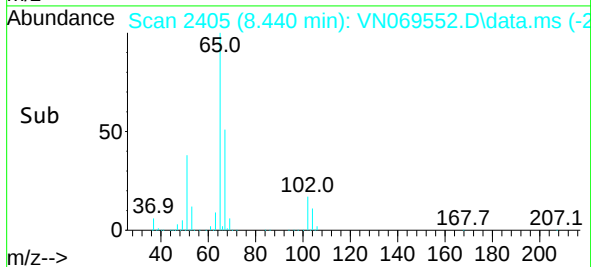
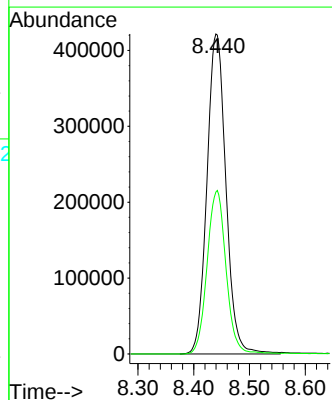
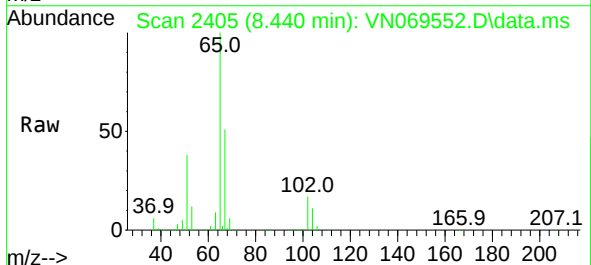
Instrument :
MSVOA_N
ClientSampleId :

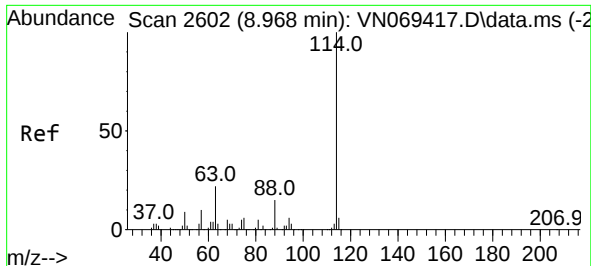
Tgt Ion: 56 Resp: 35434
Ion Ratio Lower Upper
56 100
69 146.1 27.1 40.7#
84 108.7 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.123 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

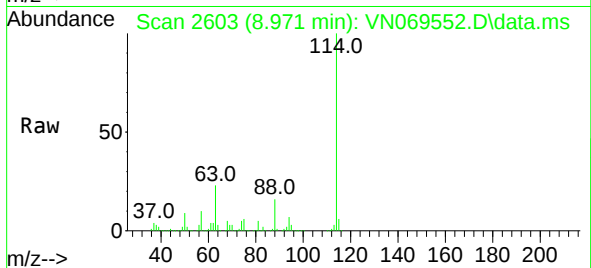
Tgt Ion: 65 Resp: 996481
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



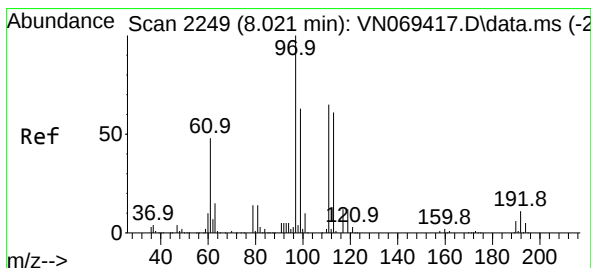
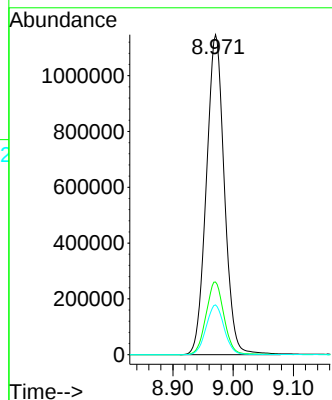
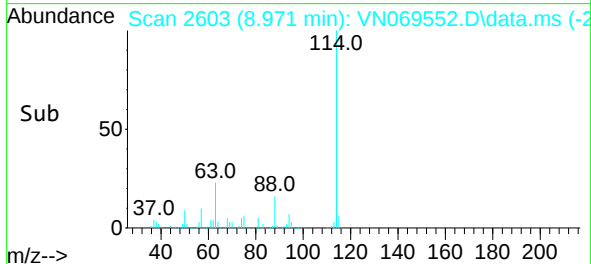


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Instrument :
MSVOA_N
ClientSampleId :

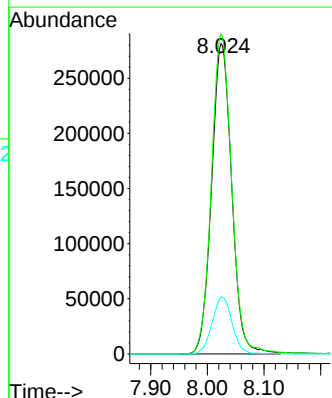
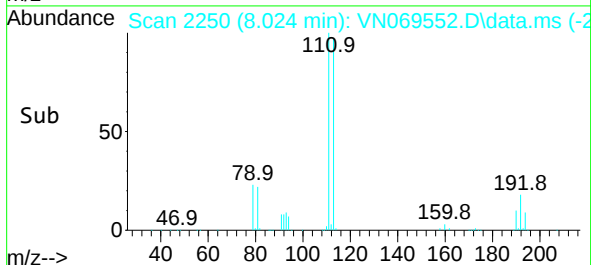
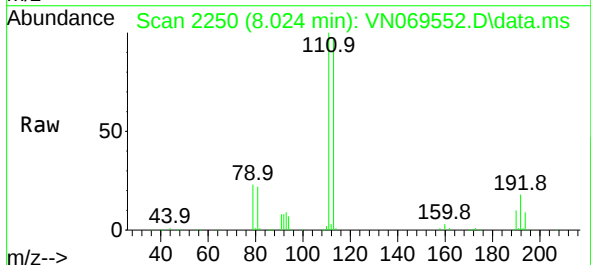


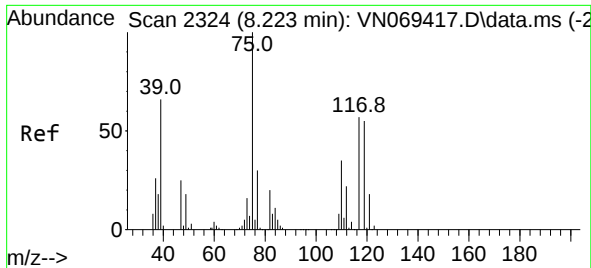
Tgt Ion:114 Resp: 2378654
Ion Ratio Lower Upper
114 100
63 22.7 0.0 37.8
88 15.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.692 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

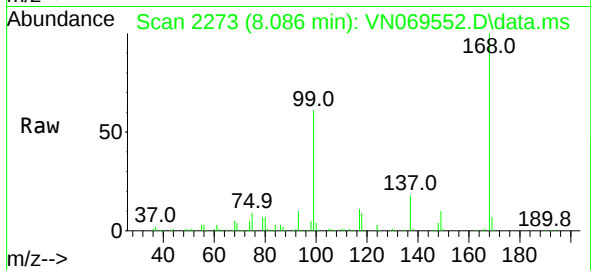
Tgt Ion:113 Resp: 694642
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.4 16.9 25.3



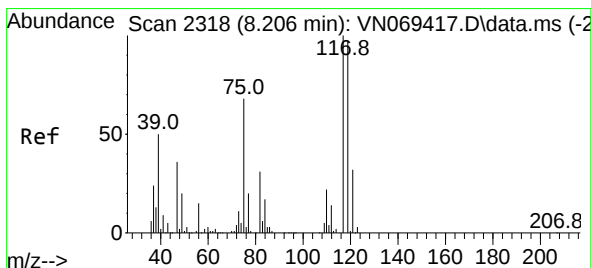
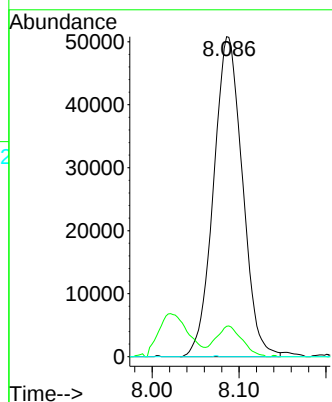
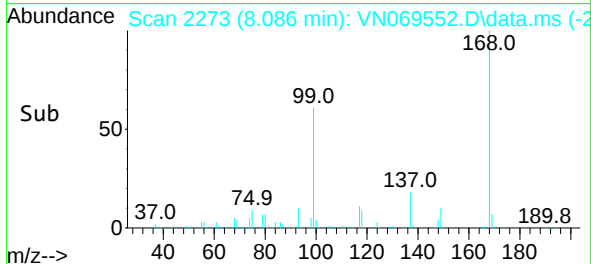


#36
1,1-Dichloropropene
Concen: 5.855 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

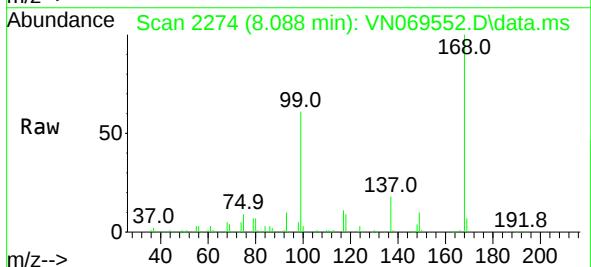
Instrument :
MSVOA_N
ClientSampleId :



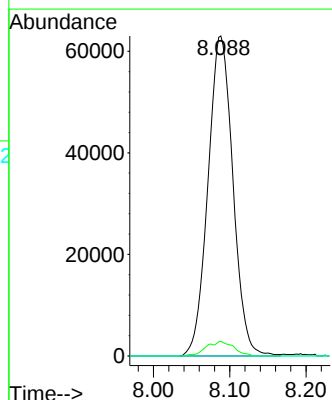
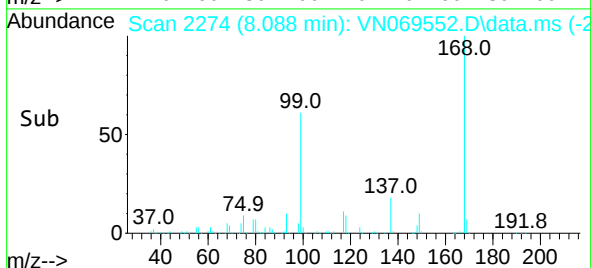
Tgt Ion: 75 Resp: 117180
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

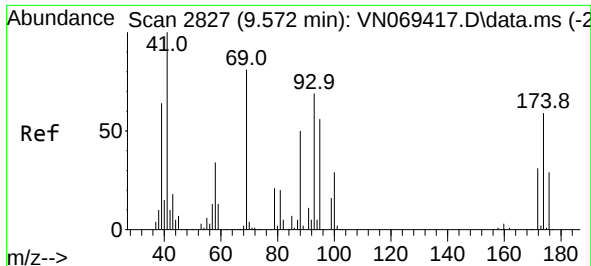


#38
Carbon Tetrachloride
Concen: 7.411 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52



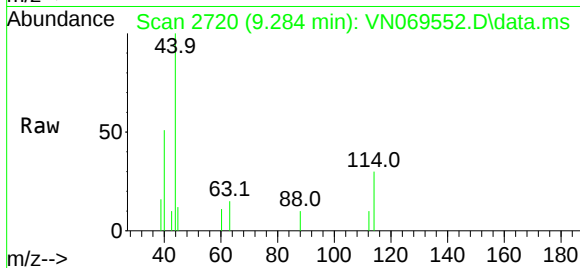
Tgt Ion: 117 Resp: 143209
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



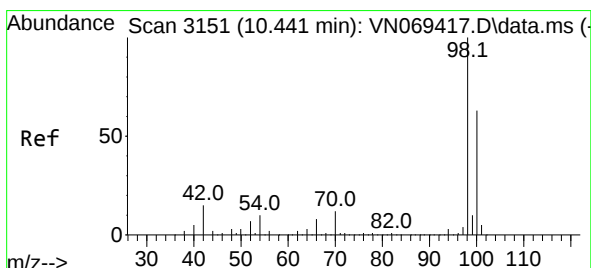
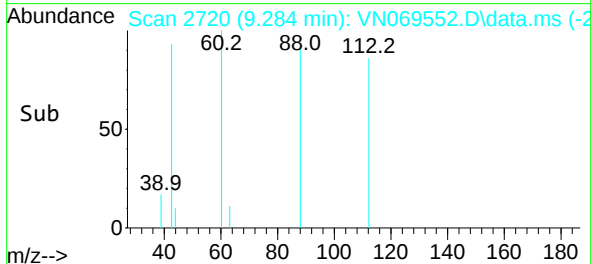
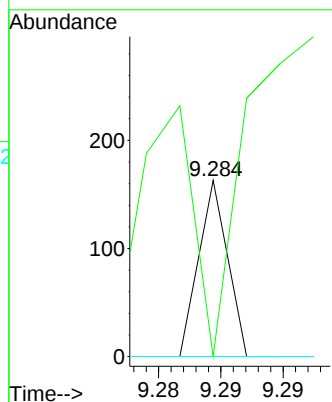


#49
1,4-Dioxane
Concen: 39.120 ug/l
RT: 9.284 min Scan# 21
Delta R.T. -0.288 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Instrument :
MSVOA_N
ClientSampleId :

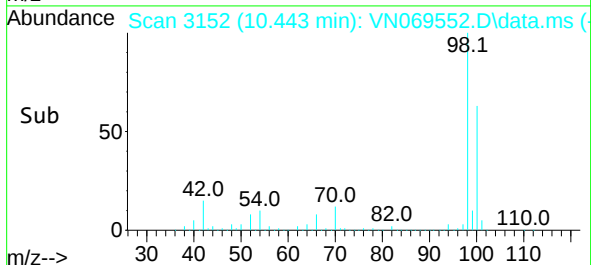
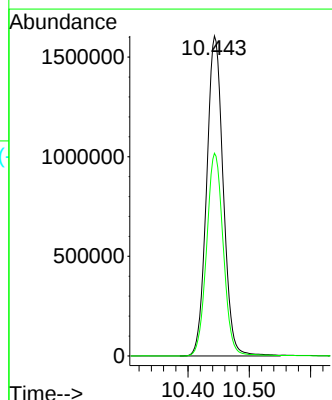
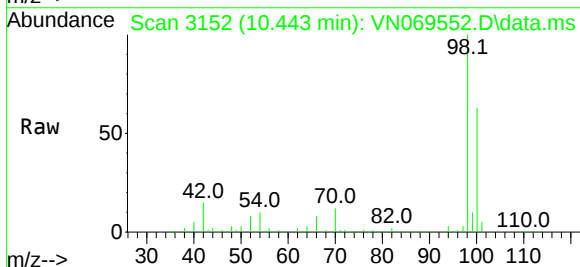


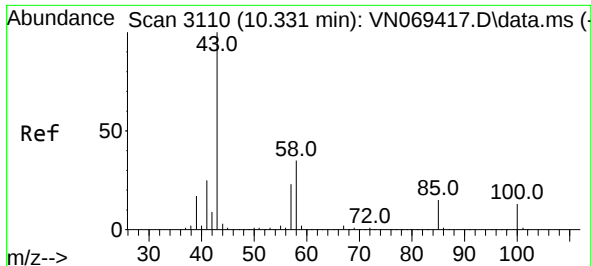
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 2000.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 53.819 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion: 98 Resp: 3019712
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.260 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.002 min

Lab File: VN069552.D

Acq: 18 Nov 2021 14:52

Instrument :

MSVOA_N

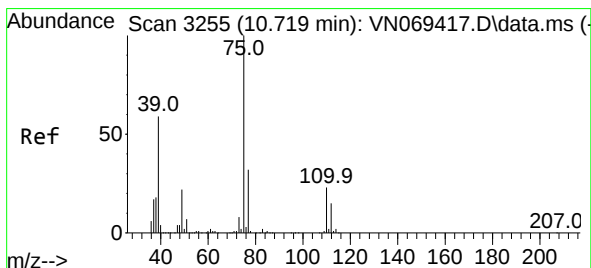
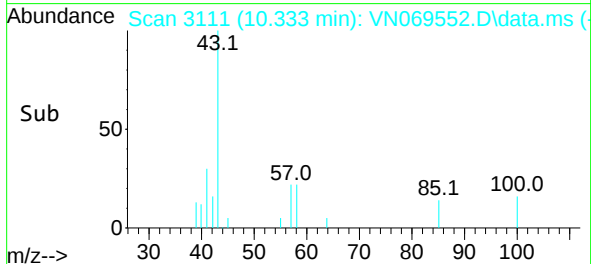
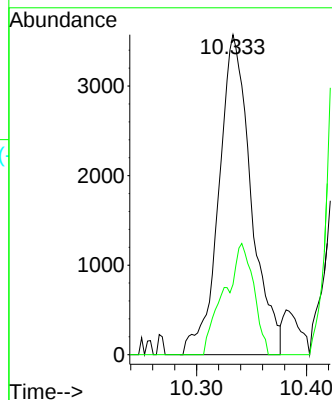
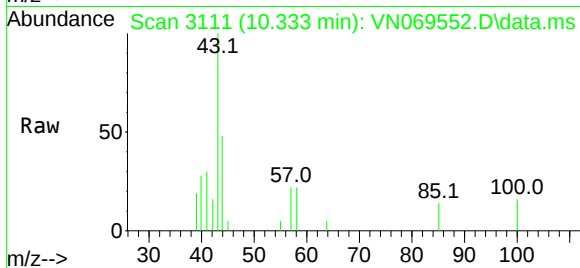
ClientSampleId :

Tgt Ion: 43 Resp: 7288

Ion Ratio Lower Upper

43 100

58 31.5 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.639 ug/l

RT: 10.711 min Scan# 3252

Delta R.T. -0.008 min

Lab File: VN069552.D

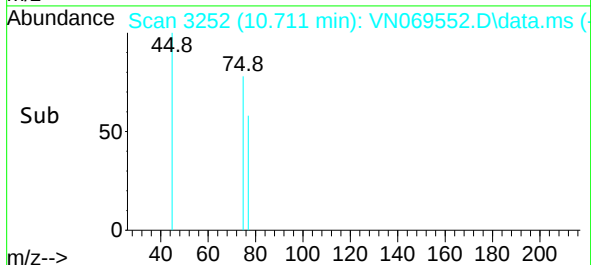
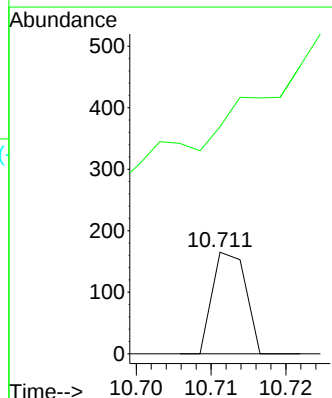
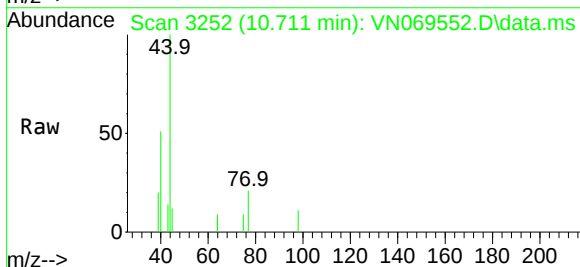
Acq: 18 Nov 2021 14:52

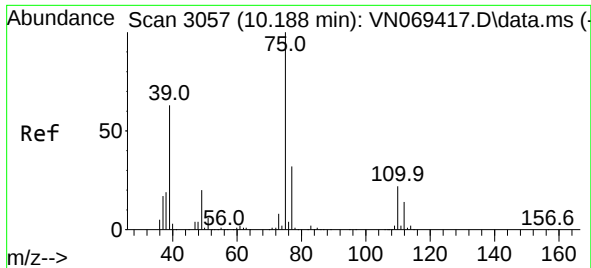
Tgt Ion: 75 Resp: 51

Ion Ratio Lower Upper

75 100

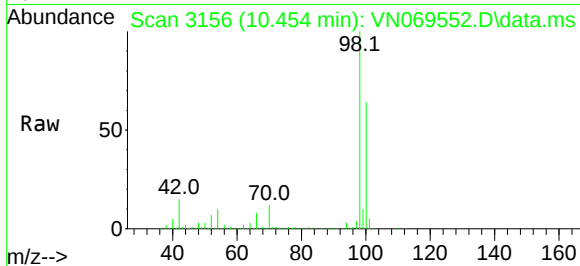
77 16.4 25.6 38.4#



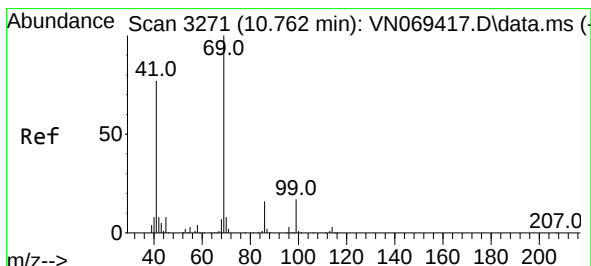
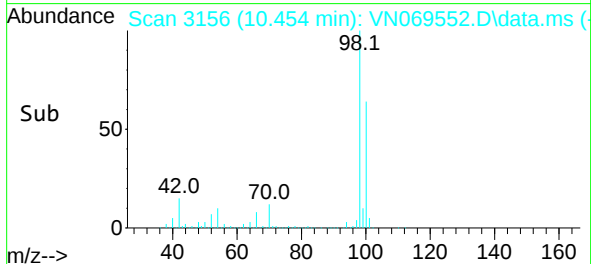
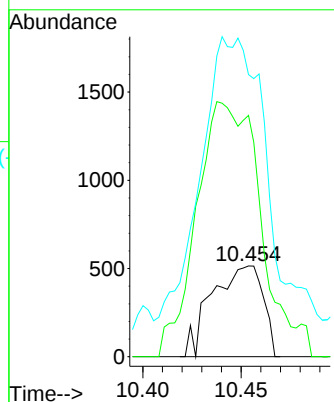


#54
cis-1,3-Dichloropropene
Concen: 1.766 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. 0.266 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Instrument :
MSVOA_N
ClientSampleId :

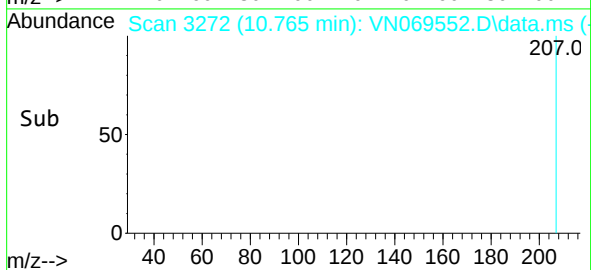
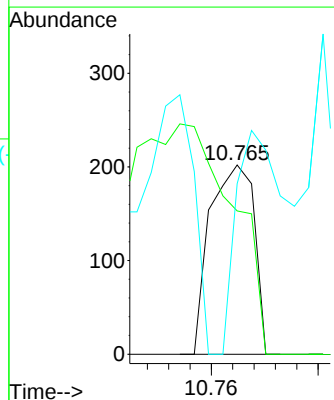
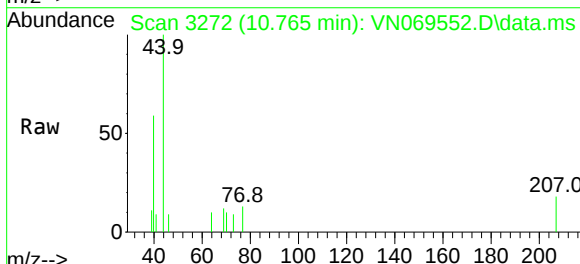


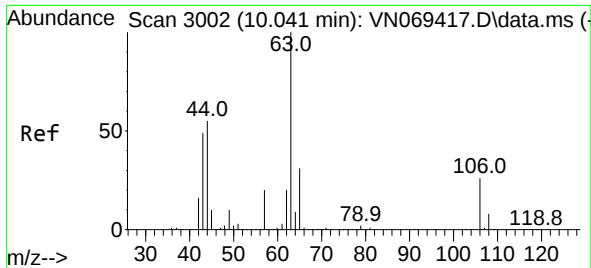
Tgt Ion: 75 Resp: 929
Ion Ratio Lower Upper
75 100
77 217.7 26.4 39.6#
39 229.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.057 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion: 69 Resp: 116
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 134.5 34.6 52.0#

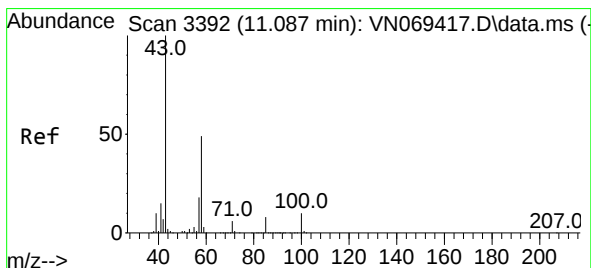
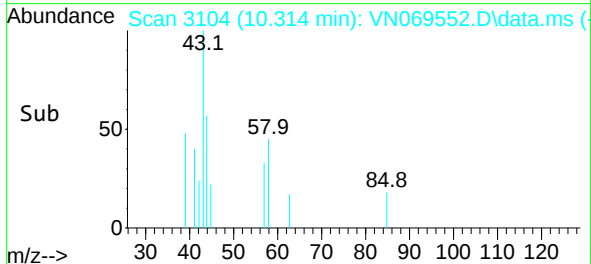
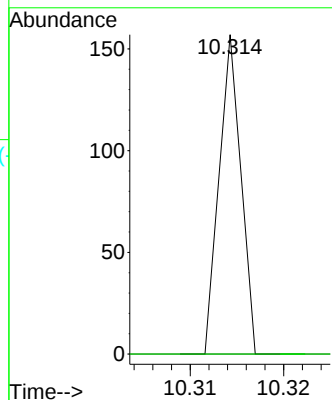
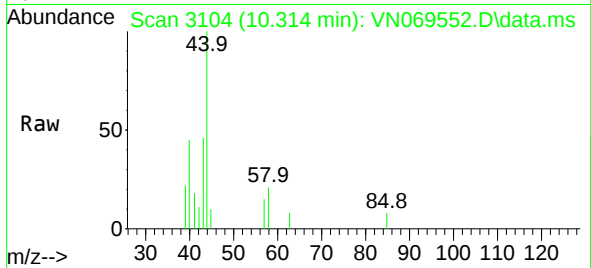




#58
2-Chloroethyl Vinyl ether
Concen: 22.773 ug/l
RT: 10.314 min Scan# 3104
Delta R.T. 0.273 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

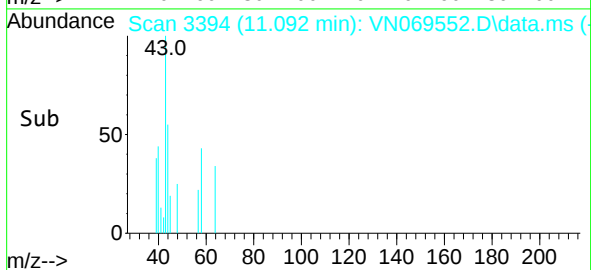
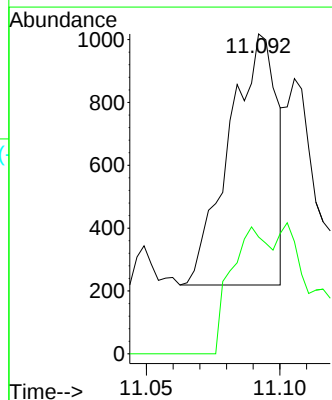
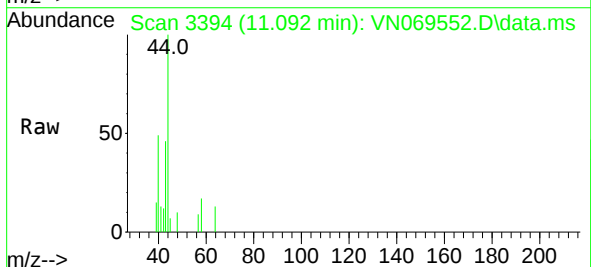
Instrument :
MSVOA_N
ClientSampleId :

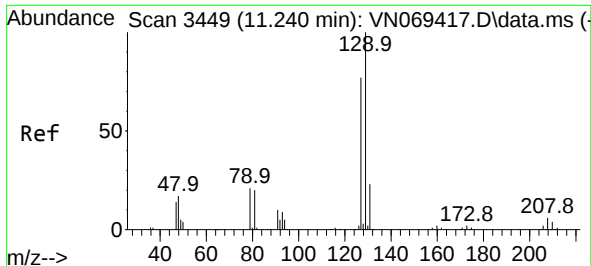
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 7.982 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 42.5 26.9 80.7

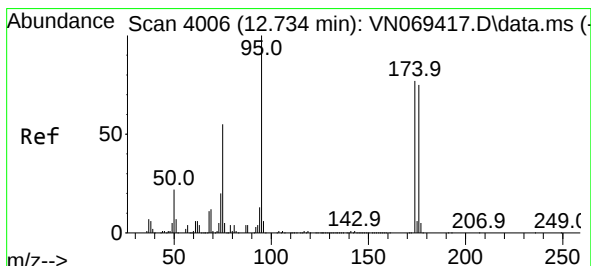
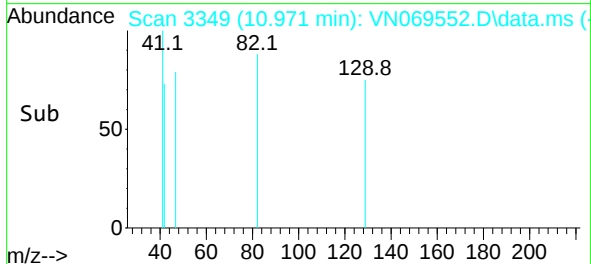
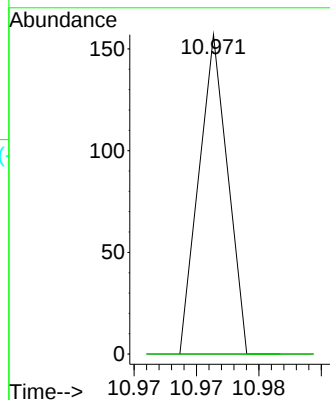
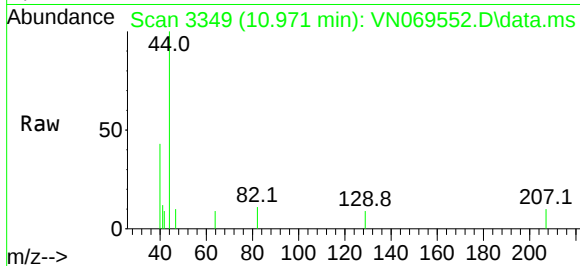




#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 10.971 min Scan# 31
Delta R.T. -0.269 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

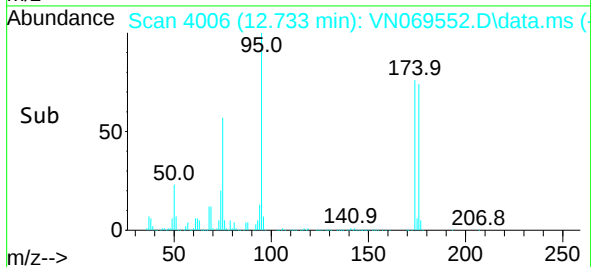
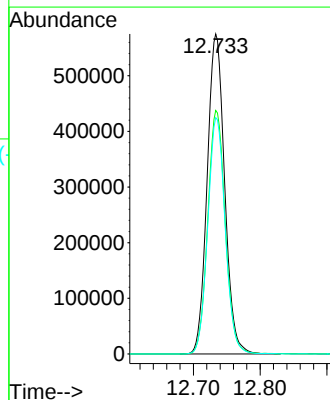
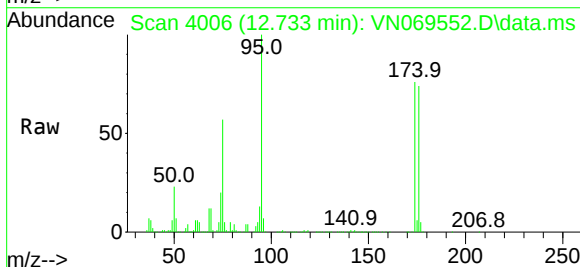
Instrument :
MSVOA_N
ClientSampleId :

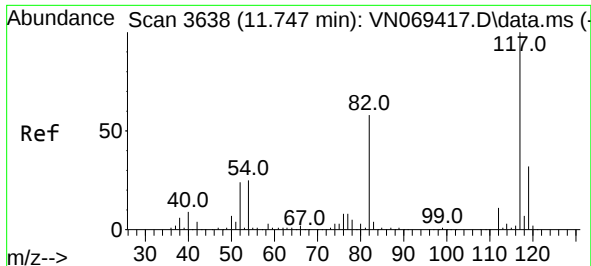
Tgt Ion:129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion: 95 Resp: 1045055
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.4 0.0 181.4

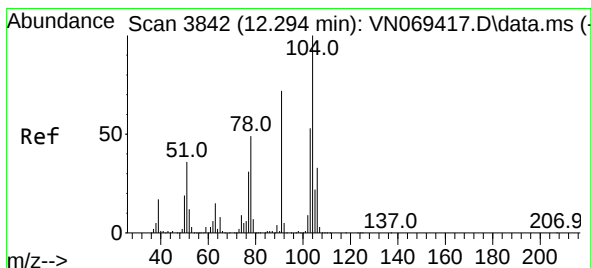
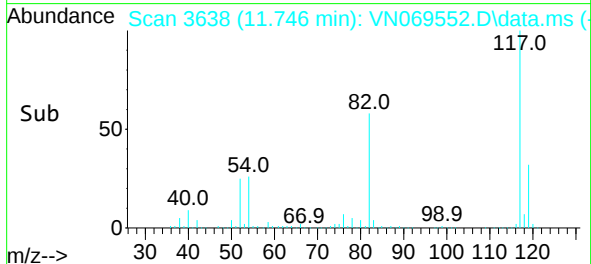
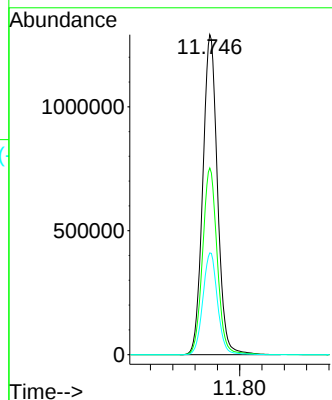
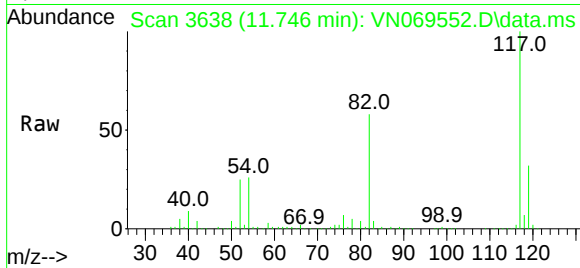




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

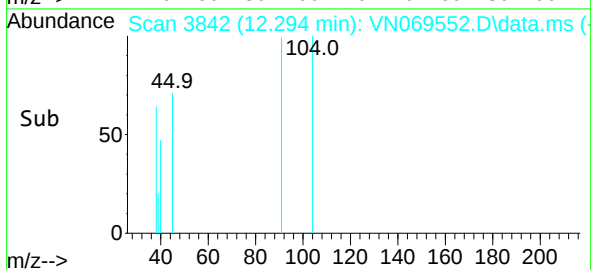
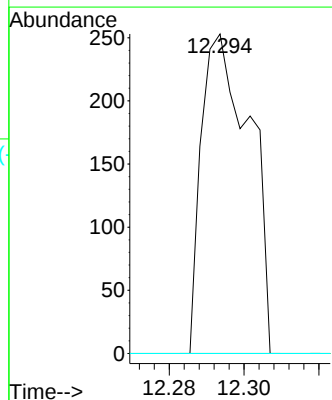
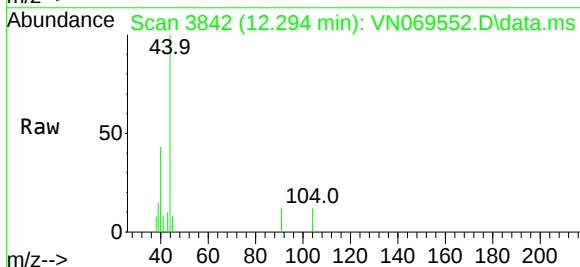
Instrument :
MSVOA_N
ClientSampleId :

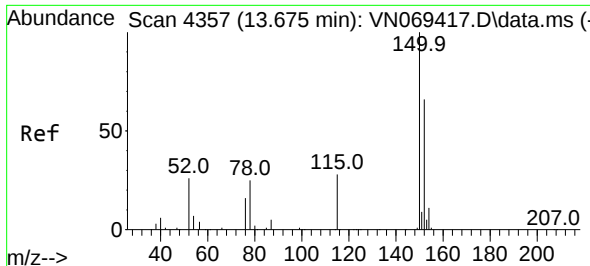
Tgt Ion:117 Resp: 2354924
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 31.8 25.4 38.2



#70
Styrene
Concen: 1.524 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

Tgt Ion:104 Resp: 227
Ion Ratio Lower Upper
104 100
78 0.0 38.7 58.1#
103 0.0 45.0 67.6#

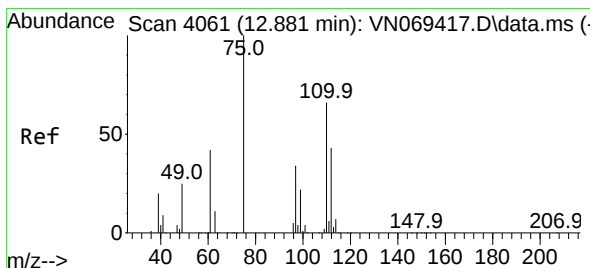
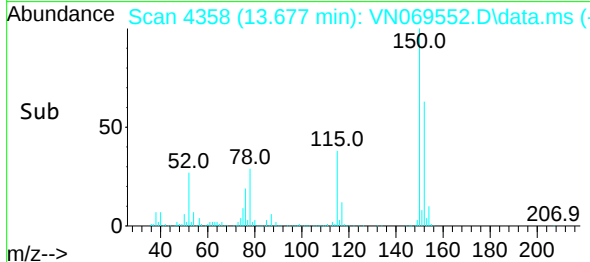
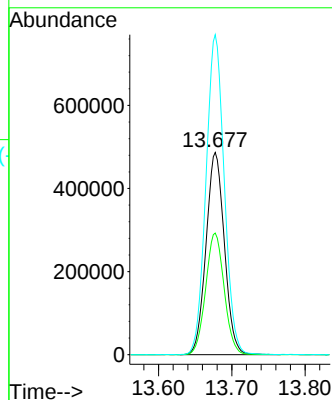
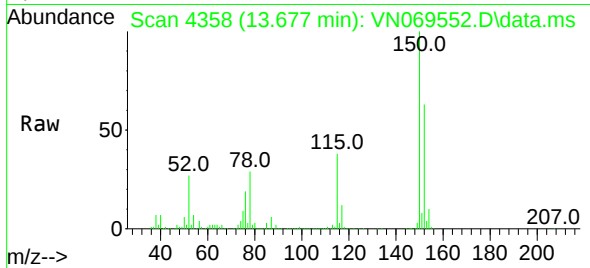




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN069552.D
 Acq: 18 Nov 2021 14:52

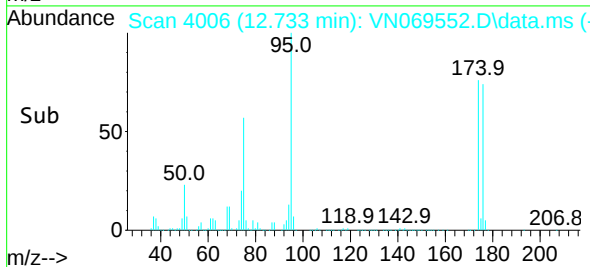
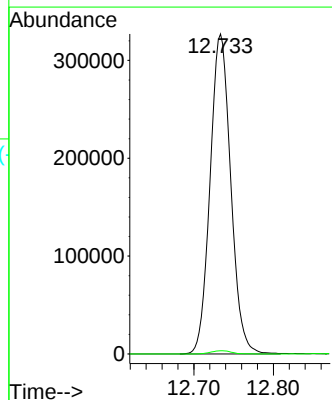
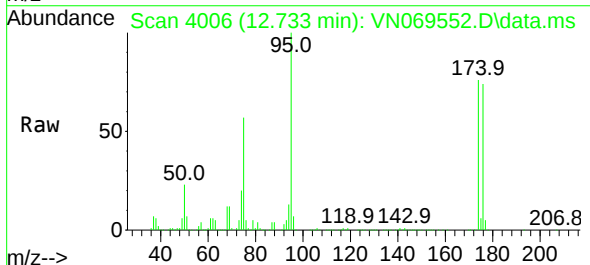
Instrument :
 MSVOA_N
 ClientSampleId :

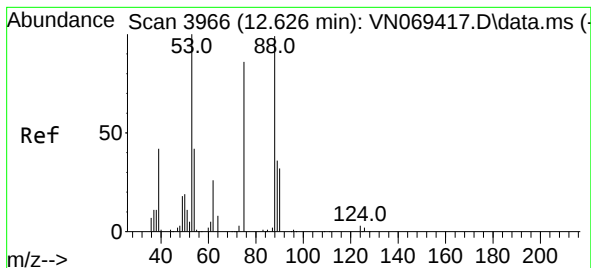
Tgt Ion:152 Resp: 847282
 Ion Ratio Lower Upper
 152 100
 115 60.7 27.5 82.5
 150 157.5 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 30.213 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069552.D
 Acq: 18 Nov 2021 14:52

Tgt Ion: 75 Resp: 590773
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

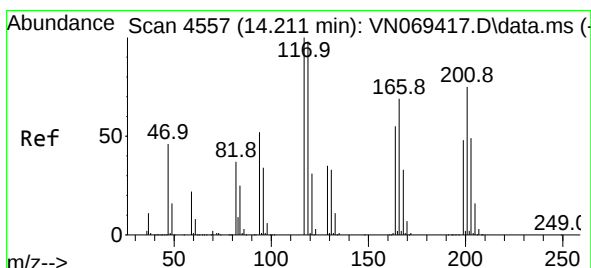
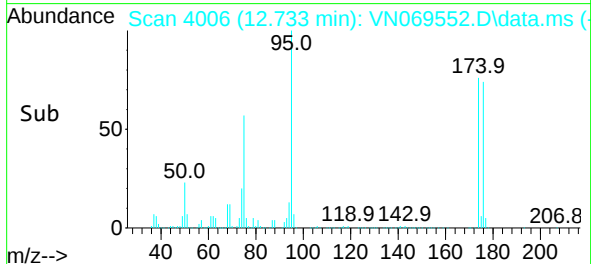
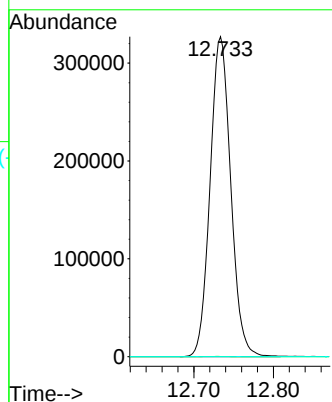
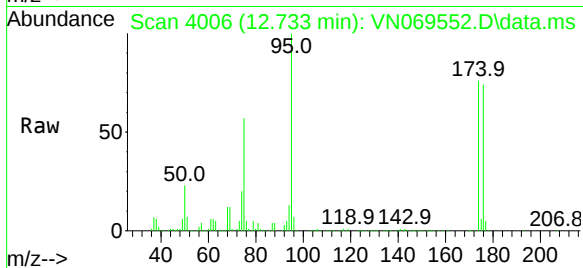




#81
trans-1,4-Dichloro-2-butene
Concen: 85.313 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

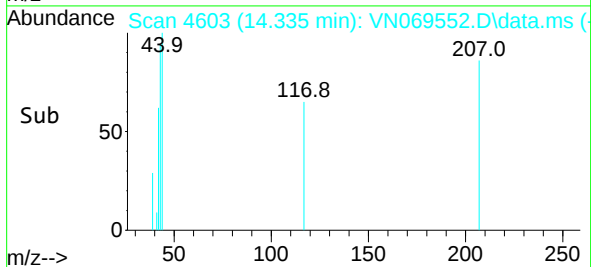
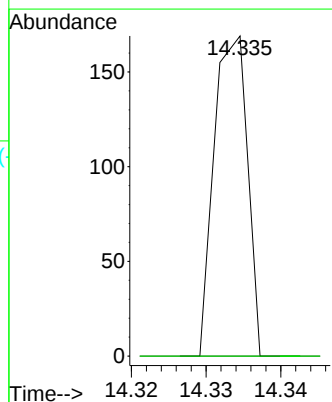
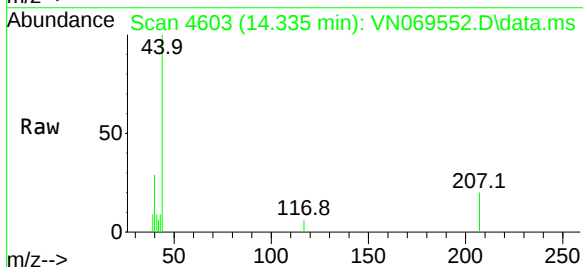
Instrument :
MSVOA_N
ClientSampleId :

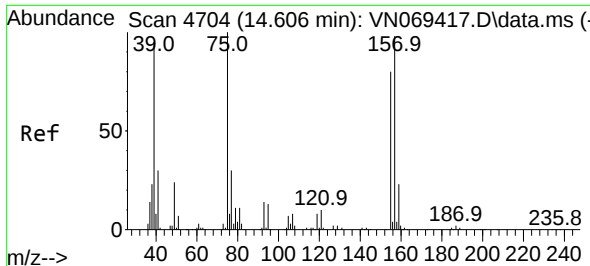
Tgt Ion: 75 Resp: 590773
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.167 ug/l
RT: 14.335 min Scan# 4603
Delta R.T. 0.124 min
Lab File: VN069552.D
Acq: 18 Nov 2021 14:52

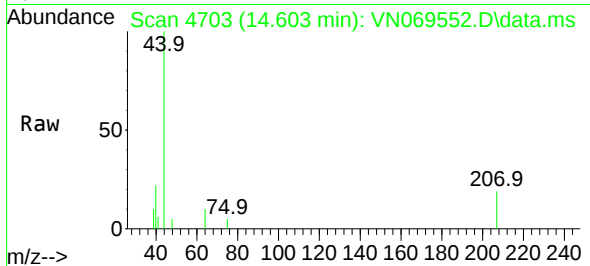
Tgt Ion: 117 Resp: 52
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



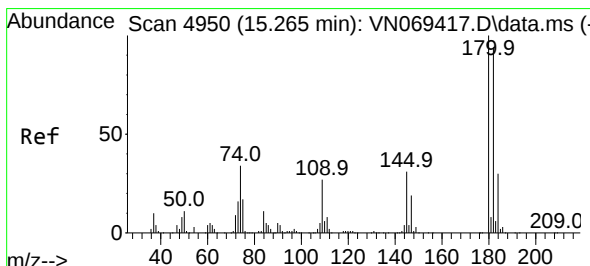
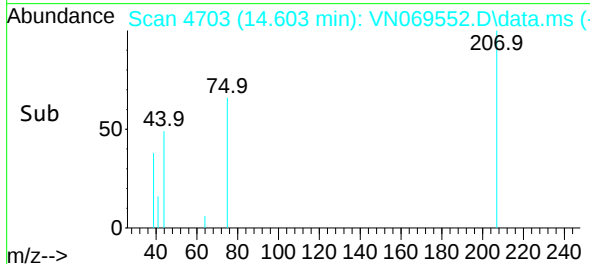
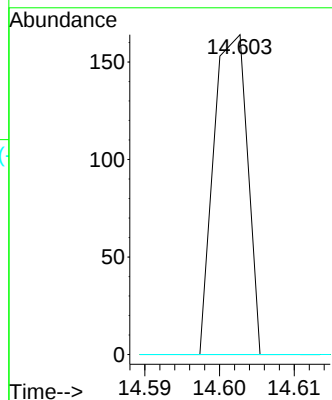


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.808 ug/l
 RT: 14.603 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069552.D
 Acq: 18 Nov 2021 14:52

Instrument :
 MSVOA_N
 ClientSampleId :

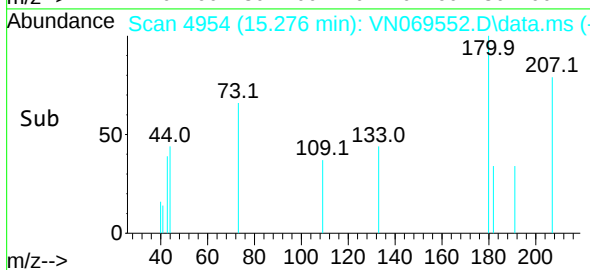
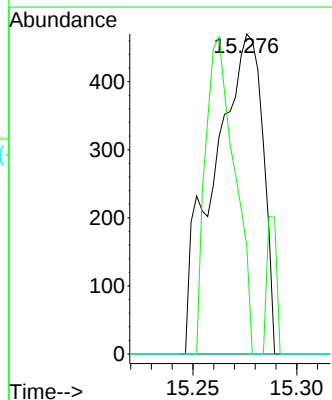
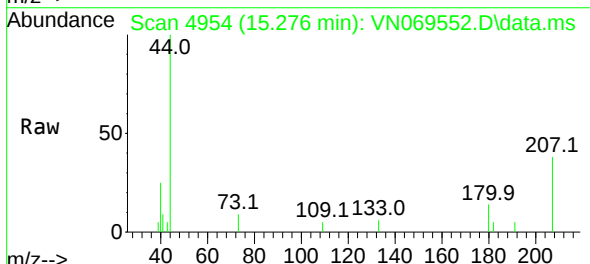


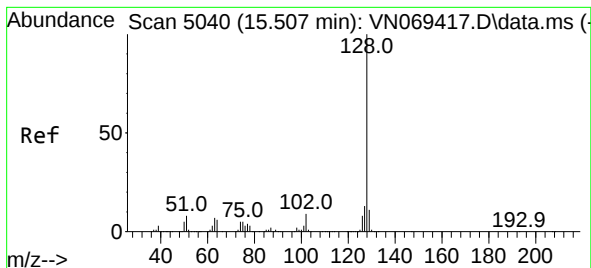
Tgt Ion: 75 Resp: 51
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 0.0 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.167 ug/l
 RT: 15.276 min Scan# 4954
 Delta R.T. 0.011 min
 Lab File: VN069552.D
 Acq: 18 Nov 2021 14:52

Tgt Ion: 180 Resp: 767
 Ion Ratio Lower Upper
 180 100
 182 8.5 48.3 144.9#
 145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.505 ug/l

RT: 15.504 min Scan# 5040

Delta R.T. -0.003 min

Lab File: VN069552.D

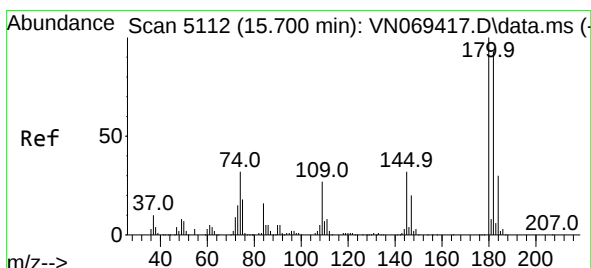
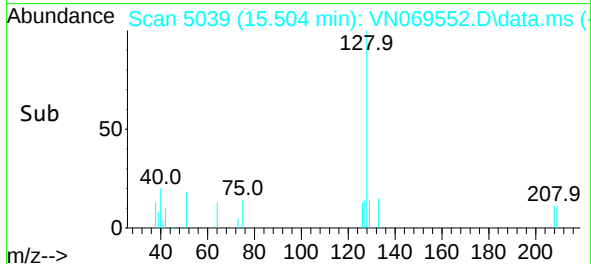
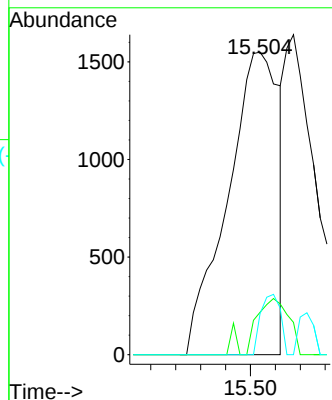
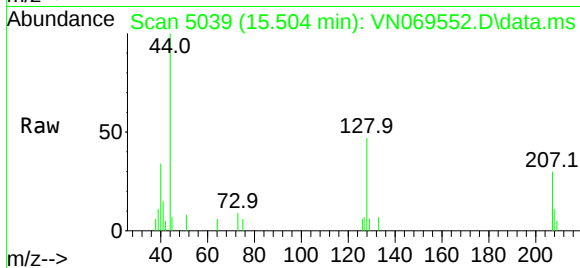
Acq: 18 Nov 2021 14:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2207
Ion Ratio	Lower	Upper
128	100	
127	11.5	10.5 15.7
129	7.7	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.224 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.000 min

Lab File: VN069552.D

Acq: 18 Nov 2021 14:52

Tgt Ion:180	Resp:	746
Ion Ratio	Lower	Upper
180	100	
182	64.1	47.4 142.2
145	19.6	15.0 45.1

