

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113021\
 Data File : VN069683.D
 Acq On : 30 Nov 2021 13:30
 Operator : JC/MD
 Sample : M4848-03
 Misc : 3.15g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 01:49:30 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)

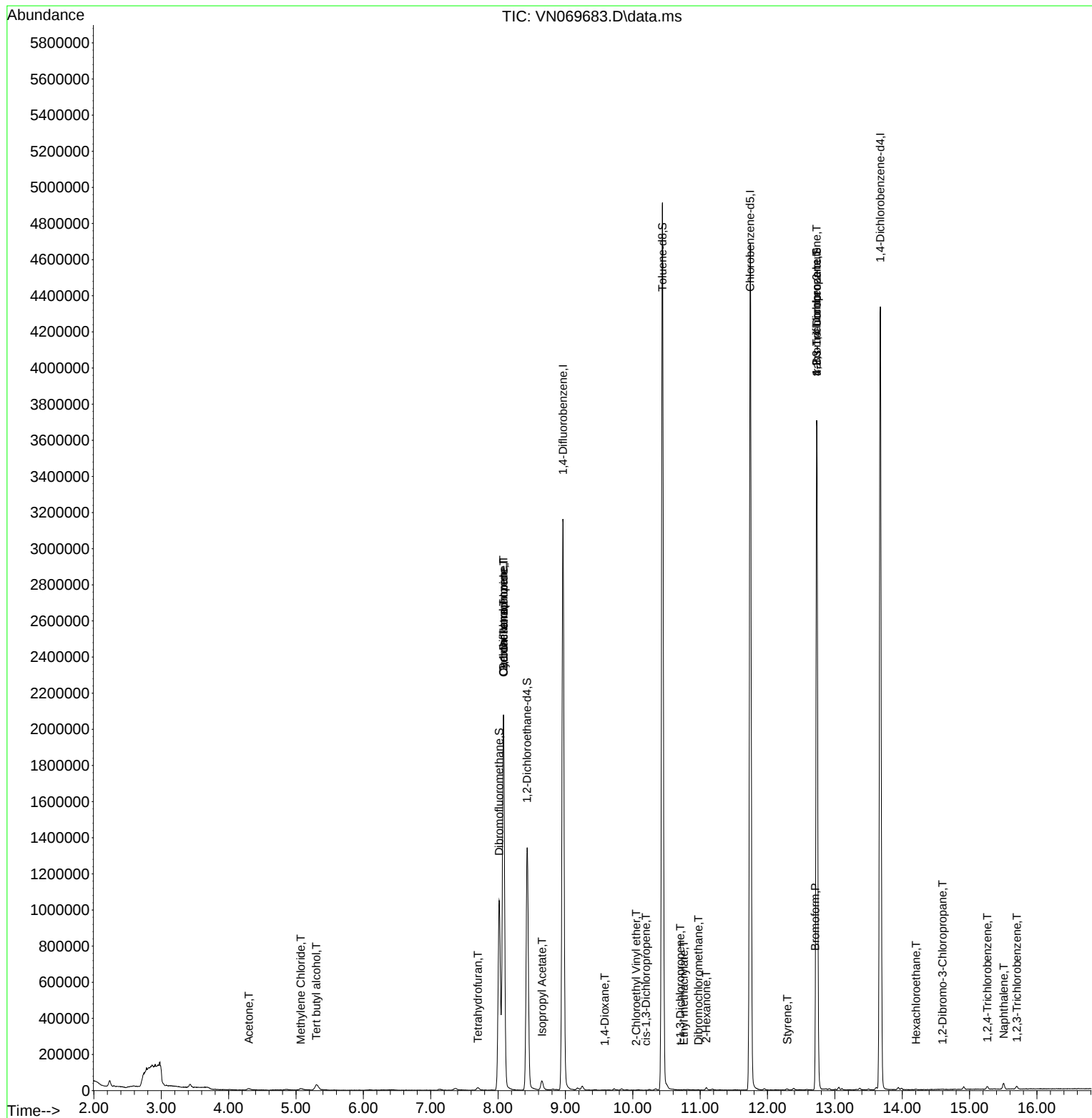
Internal Standards						
1) Pentafluorobenzene	8.080	168	1580509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	2724865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2609762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1147930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	1172678	51.172	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.340%			
35) Dibromofluoromethane	8.016	113	769809	47.104	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.200%			
50) Toluene-d8	10.441	98	3393549	52.797	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.600%			
62) 4-Bromofluorobenzene	12.731	95	1263747	53.521	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.040%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.302	59	18777	4.547	ug/l #	73
13) Acrolein	4.036	56	872	Below Cal	#	41
16) Acetone	4.299	43	10713	0.866	ug/l	90
20) Methylene Chloride	5.074	84	5804	0.331	ug/l #	83
29) Tetrahydrofuran	7.700	42	12305	1.198	ug/l #	63
31) Cyclohexane	8.078	56	41013	1.310	ug/l #	16
36) 1,1-Dichloropropene	8.080	75	130380	5.687	ug/l #	49
38) Carbon Tetrachloride	8.083	117	161718	7.306	ug/l #	16
43) Isopropyl Acetate	8.654	43	22851	0.459	ug/l #	56
49) 1,4-Dioxane	9.582	88	50	39.162	ug/l #	1
53) t-1,3-Dichloropropene	10.706	75	247	2.645	ug/l #	43
54) cis-1,3-Dichloropropene	10.196	75	280	1.742	ug/l #	46
56) Ethyl methacrylate	10.757	69	1066	2.083	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.052	63	56	22.776	ug/l #	45
59) 2-Hexanone	11.092	43	10770	8.326	ug/l	88
60) Dibromochloromethane	10.974	129	209	2.428	ug/l #	11
70) Styrene	12.294	104	2324	1.559	ug/l	94
71) Bromoform	12.709	173	279	3.446	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	707622	26.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	707622	76.095	ug/l #	5
90) Hexachloroethane	14.206	117	134	2.172	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.600	75	379	1.861	ug/l #	29
93) 1,2,4-Trichlorobenzene	15.265	180	4754	3.360	ug/l	87
95) Naphthalene	15.507	128	29891	4.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.703	180	5871	3.488	ug/l	87

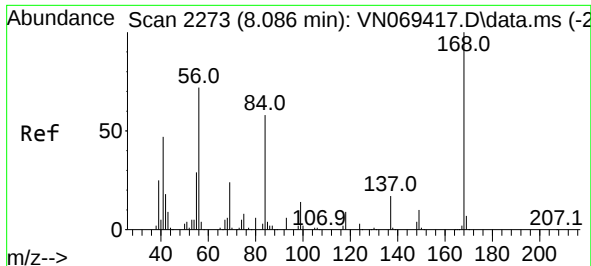
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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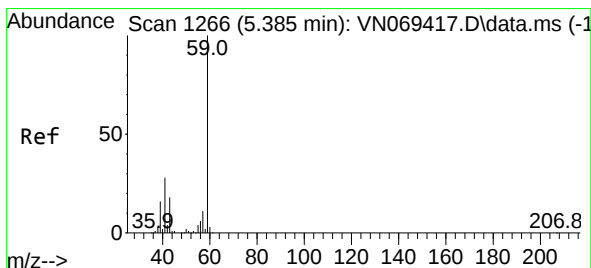
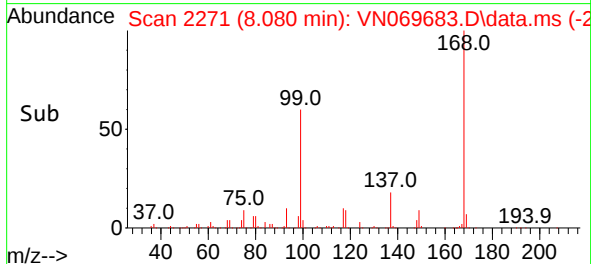
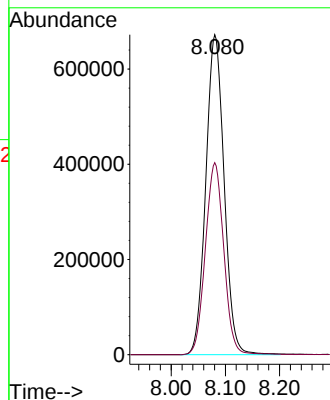
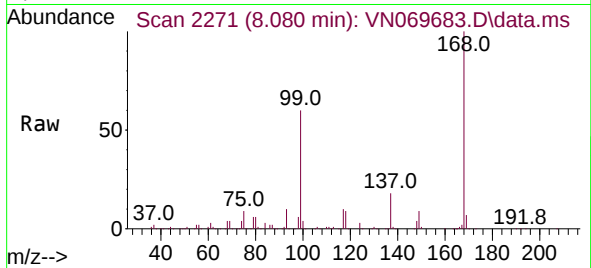




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.080 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN069683.D
 Acq: 30 Nov 2021 13:30

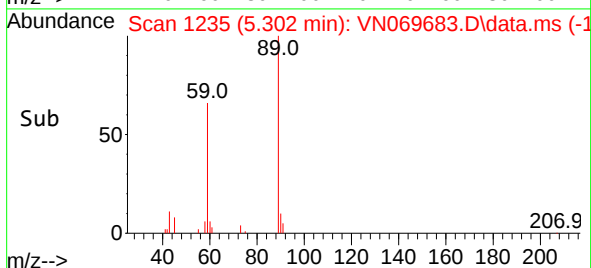
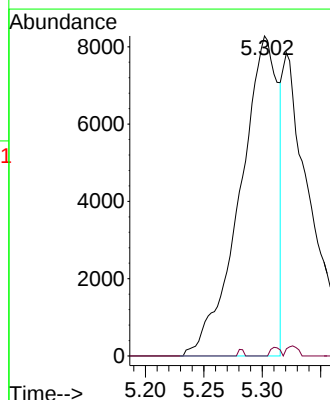
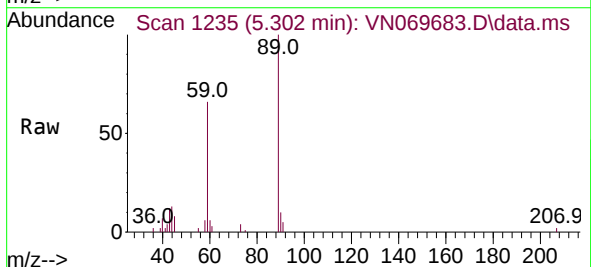
Instrument :
 MSVOA_N
 ClientSampleId :

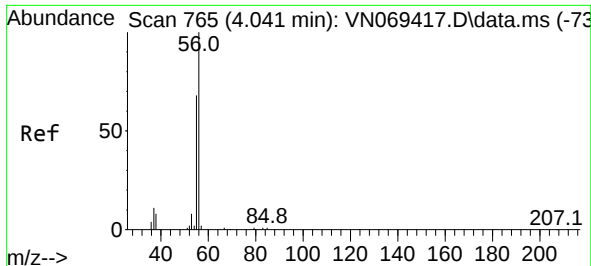
Tgt Ion:168 Resp: 1580509
 Ion Ratio Lower Upper
 168 100
 99 60.0 41.3 61.9



#11
 Tert butyl alcohol
 Concen: 4.547 ug/l
 RT: 5.302 min Scan# 1235
 Delta R.T. -0.083 min
 Lab File: VN069683.D
 Acq: 30 Nov 2021 13:30

Tgt Ion: 59 Resp: 18777
 Ion Ratio Lower Upper
 59 100
 57 0.7 8.7 13.1#

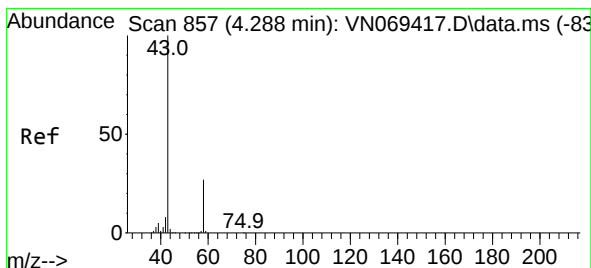
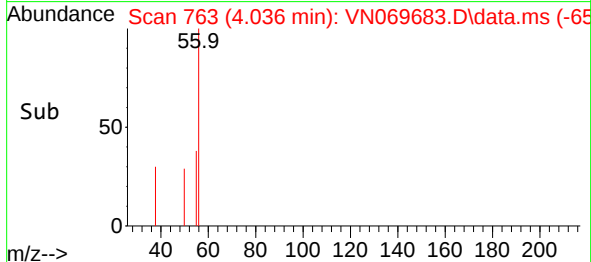
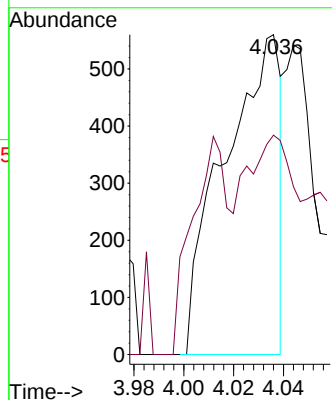
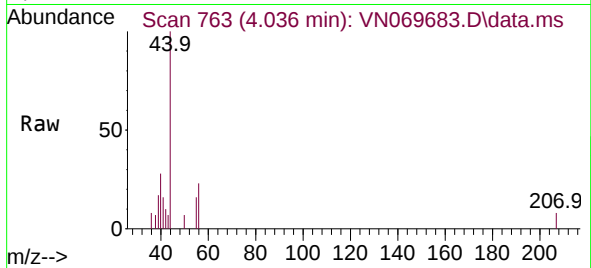




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

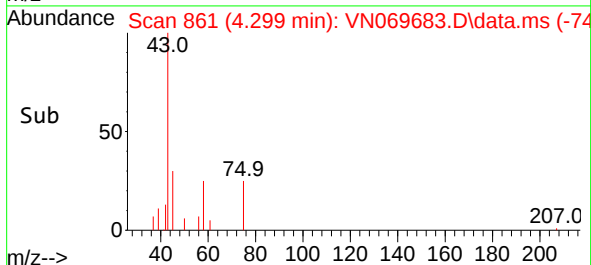
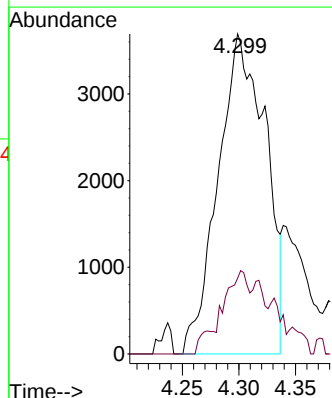
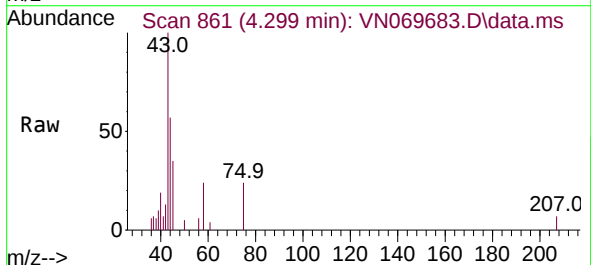
Instrument :
MSVOA_N
ClientSampleId :

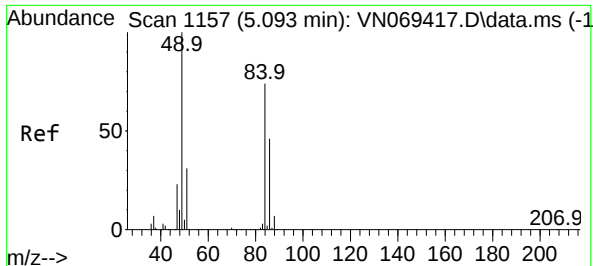
Tgt Ion: 56 Resp: 872
Ion Ratio Lower Upper
56 100
55 22.1 56.6 85.0#



#16
Acetone
Concen: 0.866 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion: 43 Resp: 10713
Ion Ratio Lower Upper
43 100
58 23.7 23.1 34.7





#20

Methylene Chloride

Concen: 0.331 ug/l

RT: 5.074 min Scan# 1150

Delta R.T. -0.019 min

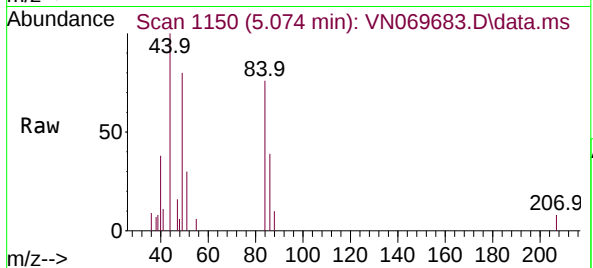
Lab File: VN069683.D

Acq: 30 Nov 2021 13:30

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 5804

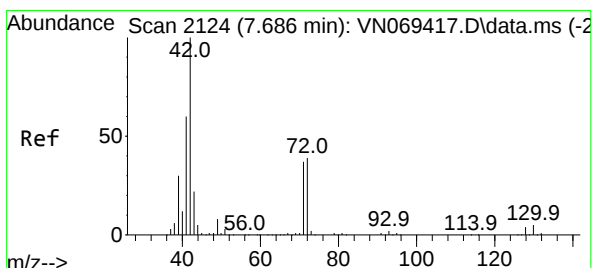
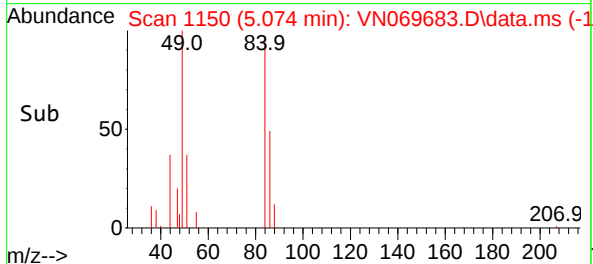
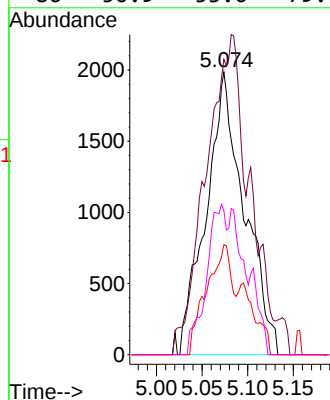
Ion Ratio Lower Upper

84 100

49 94.8 93.5 140.3

51 38.9 29.4 44.2

86 50.9 53.0 79.4#



#29

Tetrahydrofuran

Concen: 1.198 ug/l

RT: 7.700 min Scan# 2129

Delta R.T. 0.014 min

Lab File: VN069683.D

Acq: 30 Nov 2021 13:30

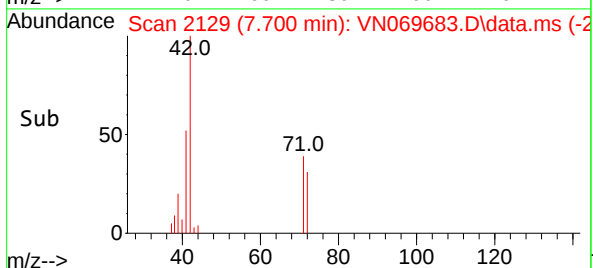
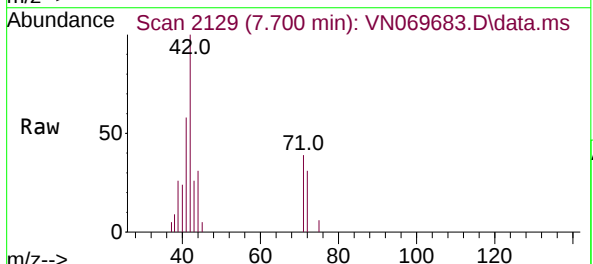
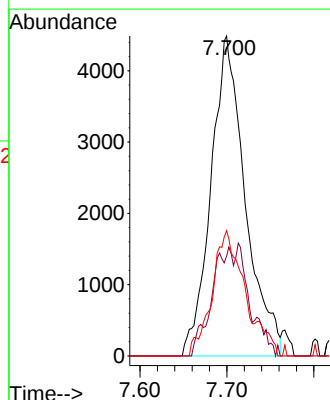
Tgt Ion: 42 Resp: 12305

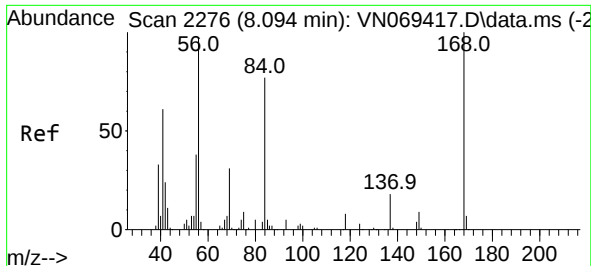
Ion Ratio Lower Upper

42 100

72 7.2 36.3 54.5#

71 33.9 34.7 52.1#

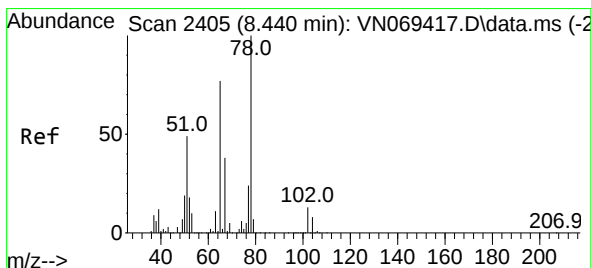
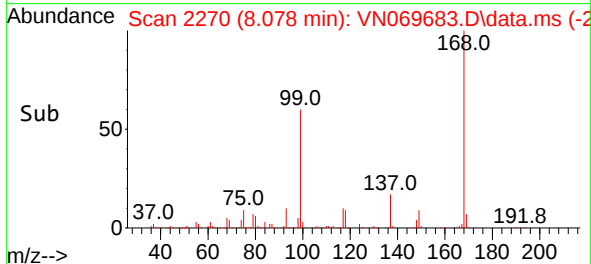
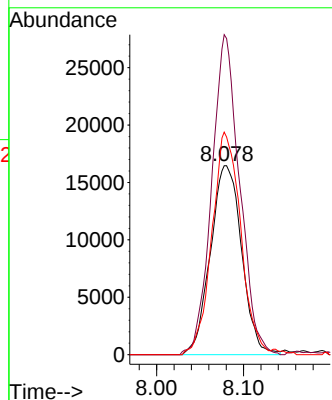
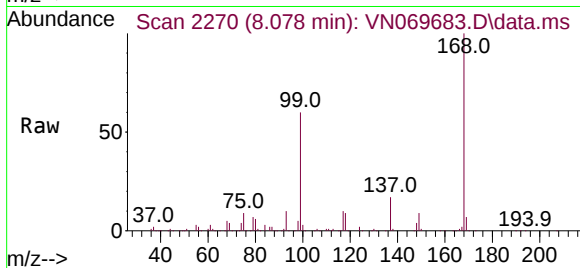




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

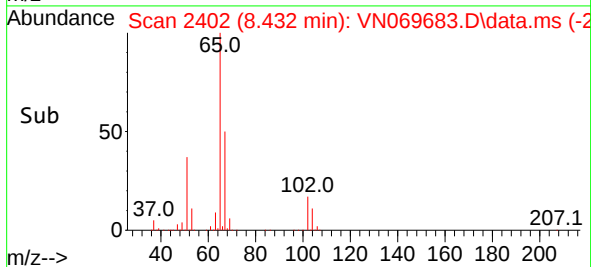
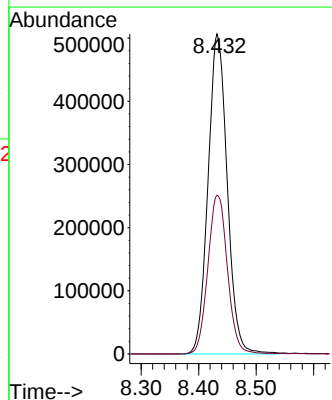
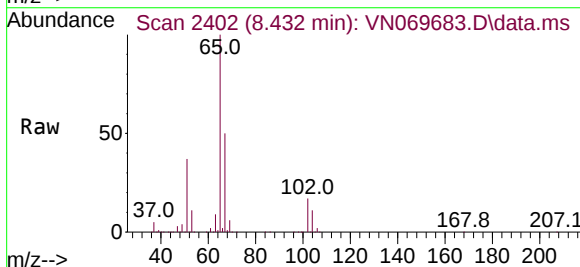
Instrument :
MSVOA_N
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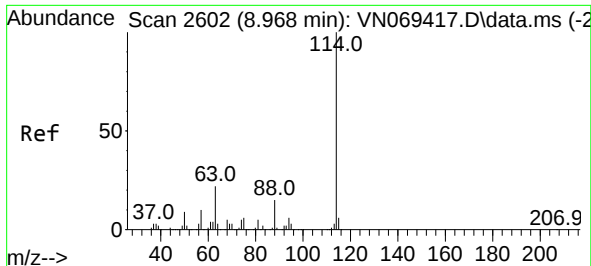
Tgt Ion: 56 Resp: 41013
Ion Ratio Lower Upper
56 100
69 169.4 27.1 40.7#
84 117.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.172 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.008 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

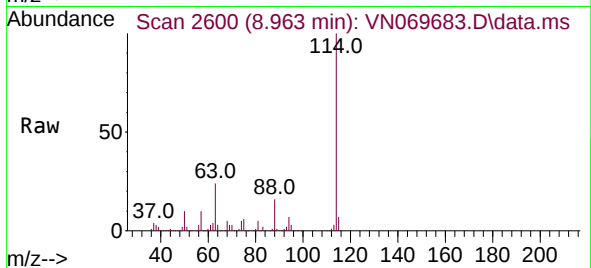
Tgt Ion: 65 Resp: 1172678
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



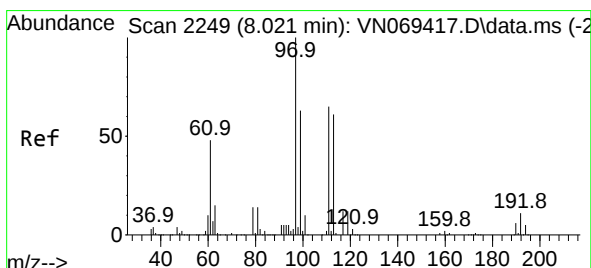
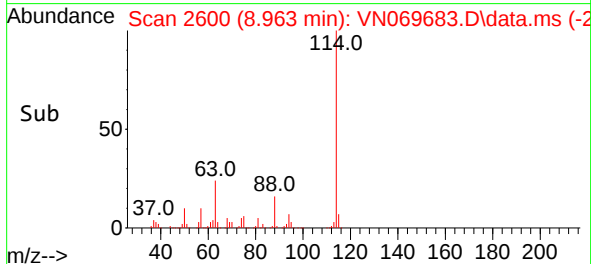
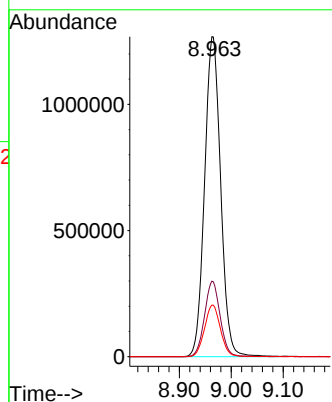


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Instrument :
MSVOA_N
ClientSampleId :

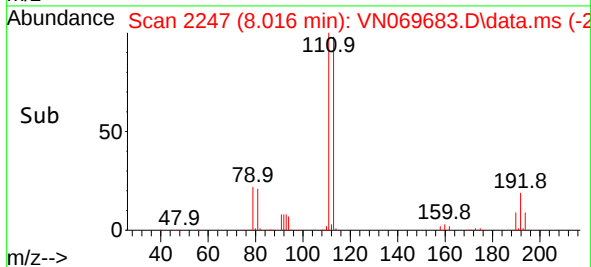
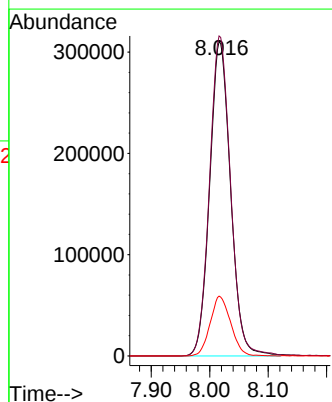
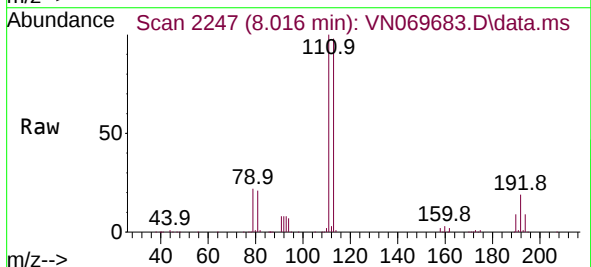


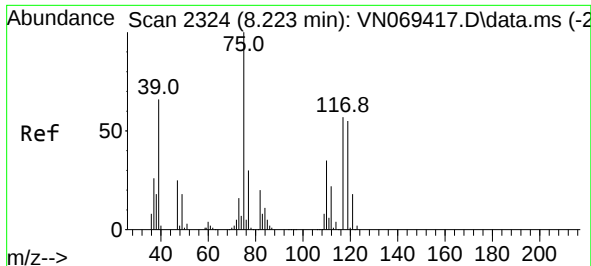
Tgt Ion:114 Resp: 2724865
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.104 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. -0.005 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

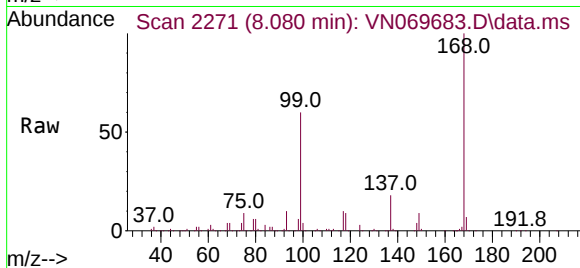
Tgt Ion:113 Resp: 769809
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.7 16.9 25.3



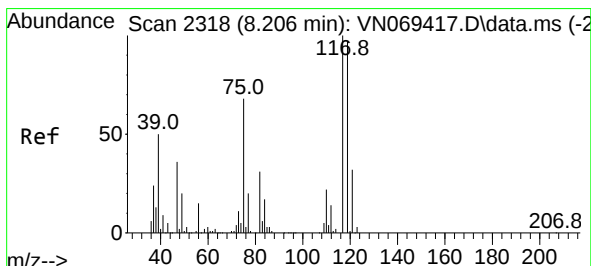
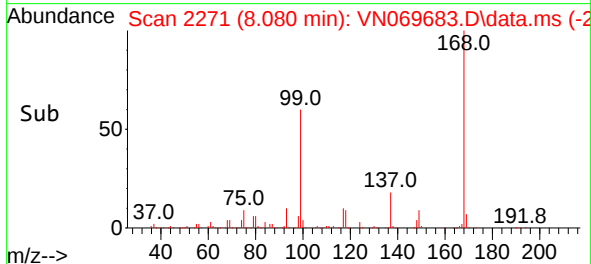
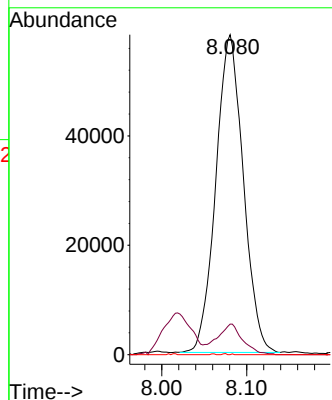


#36
1,1-Dichloropropene
Concen: 5.687 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.143 min
Lab File: VN069683.D
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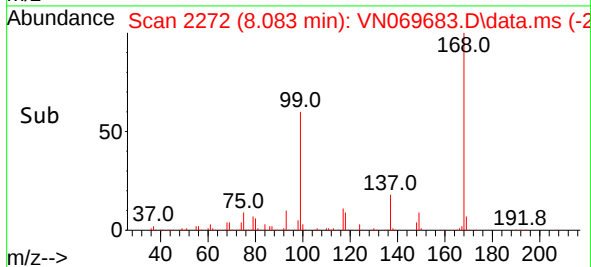
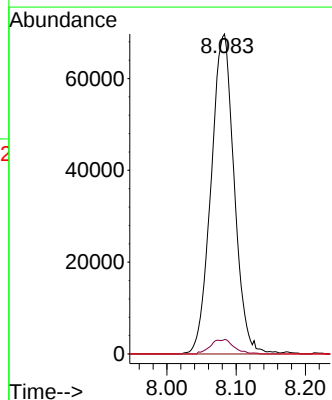
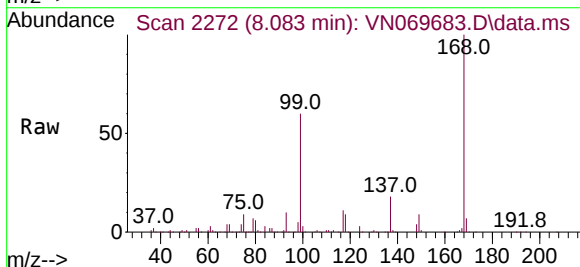


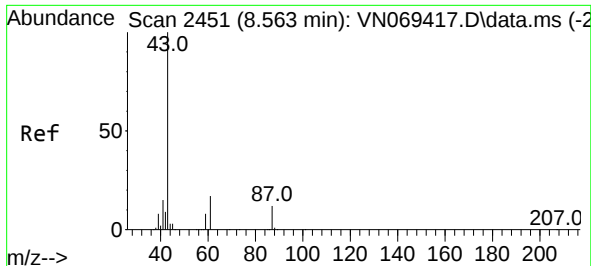
Tgt Ion: 75 Resp: 130380
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.306 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

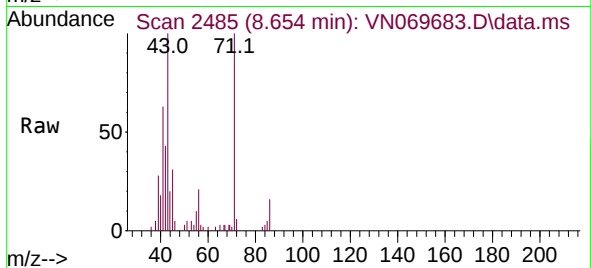
Tgt Ion: 117 Resp: 161718
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



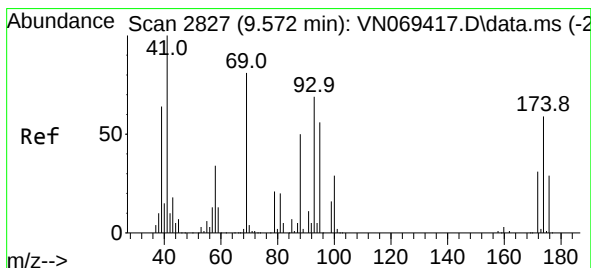
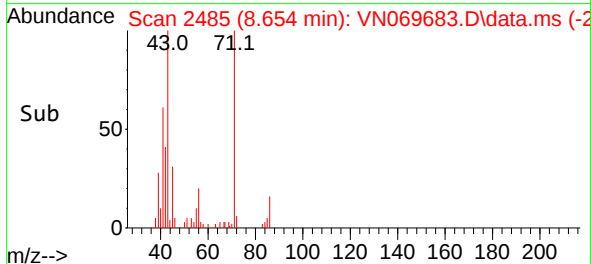
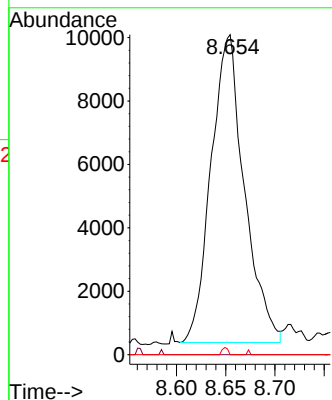


#43
Isopropyl Acetate
Concen: 0.459 ug/l
RT: 8.654 min Scan# 2451
Delta R.T. 0.091 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Instrument :
MSVOA_N
ClientSampleId :

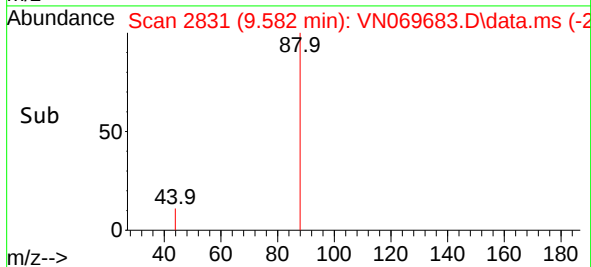
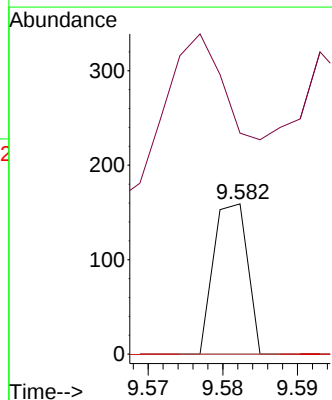
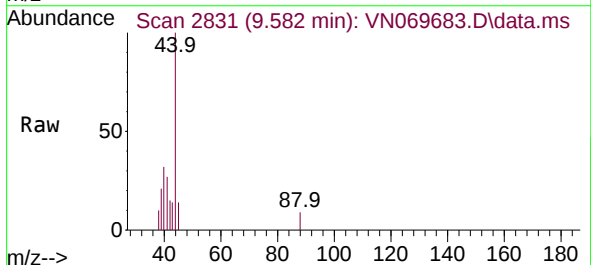


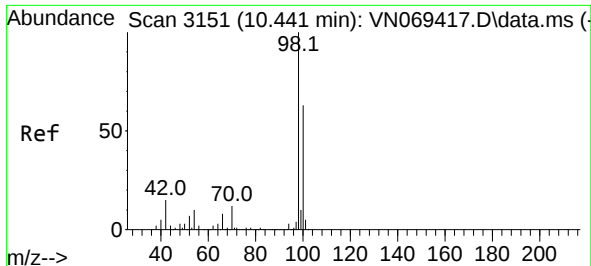
Tgt Ion: 43	Resp: 22851
Ion Ratio	Lower Upper
43	100
61	0.0 20.4 30.6#
87	0.4 11.2 16.8#



#49
1,4-Dioxane
Concen: 39.162 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.010 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion: 88	Resp: 50
Ion Ratio	Lower Upper
88	100
43	258.0 23.4 35.2#
58	0.0 50.6 75.8#

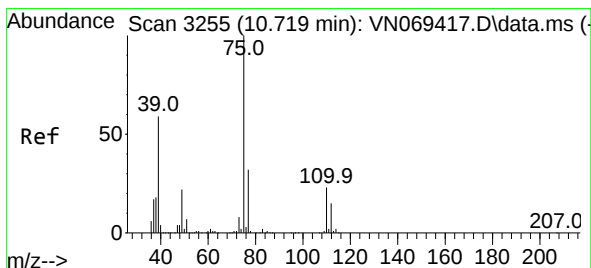
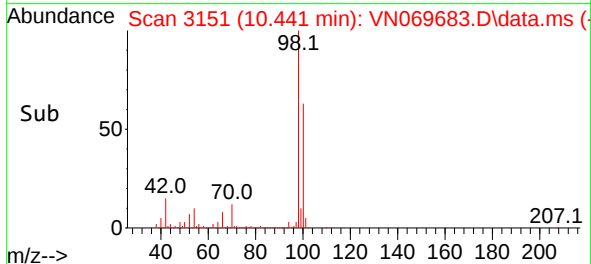
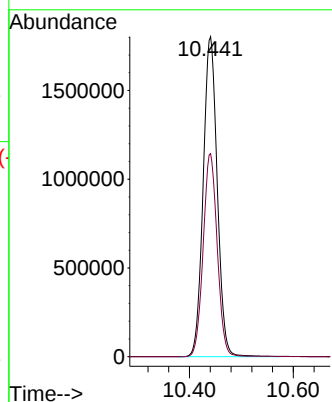
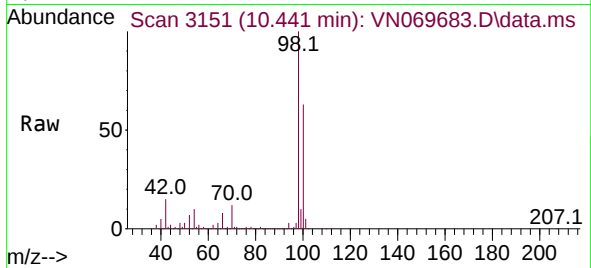




#50
Toluene-d8
Concen: 52.797 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

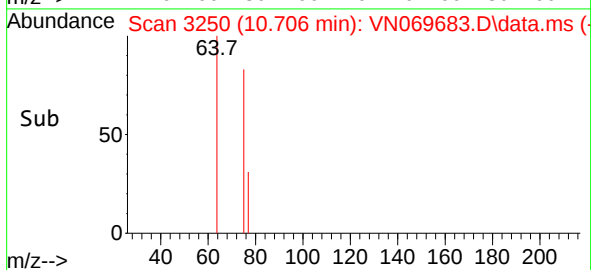
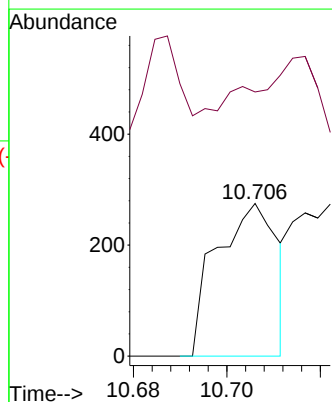
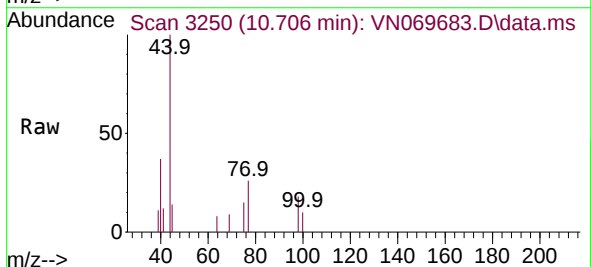
Instrument :
MSVOA_N
ClientSampleId :

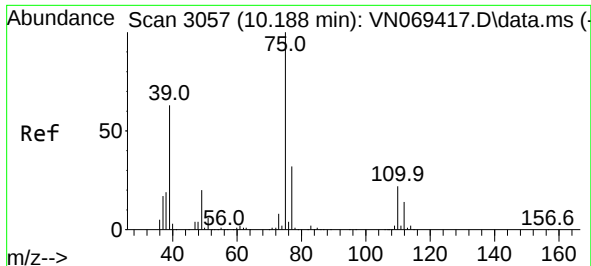
Tgt Ion: 98 Resp: 3393549
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.645 ug/l
RT: 10.706 min Scan# 3250
Delta R.T. -0.013 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion: 75 Resp: 247
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

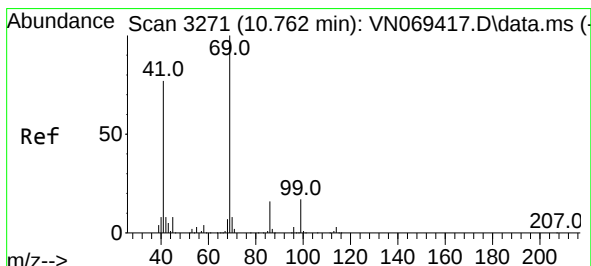
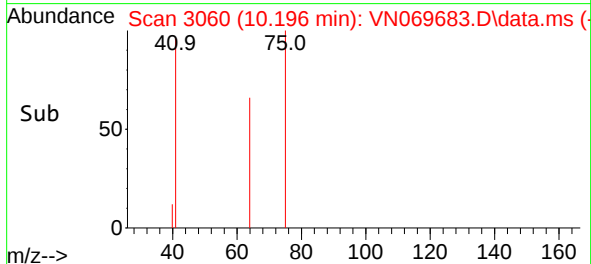
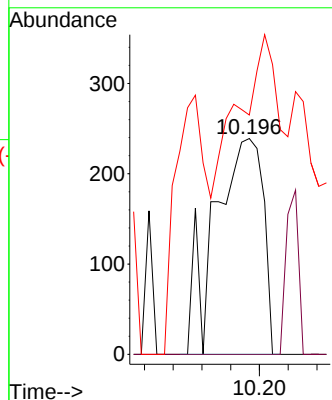
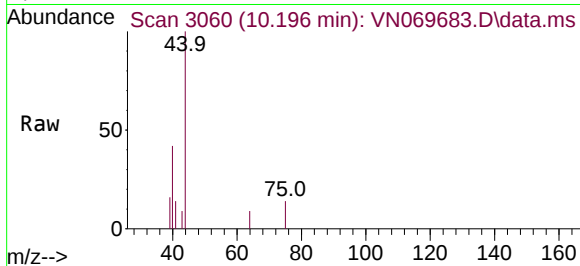




#54
 cis-1,3-Dichloropropene
 Concen: 1.742 ug/l
 RT: 10.196 min Scan# 3057
 Delta R.T. 0.008 min
 Lab File: VN069683.D
 Acq: 30 Nov 2021 13:30

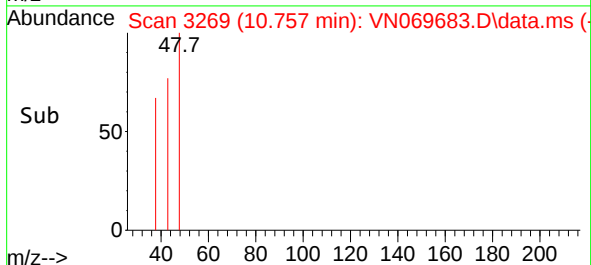
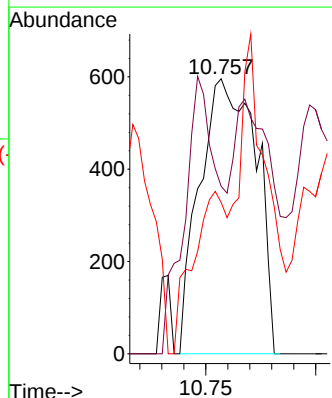
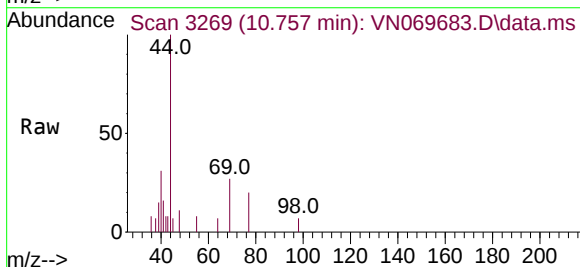
Instrument :
 MSVOA_N
 ClientSampleId :

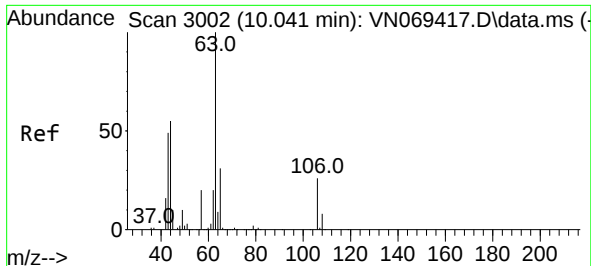
Tgt Ion: 75 Resp: 280
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 16.7 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.083 ug/l
 RT: 10.757 min Scan# 3269
 Delta R.T. -0.005 min
 Lab File: VN069683.D
 Acq: 30 Nov 2021 13:30

Tgt Ion: 69 Resp: 1066
 Ion Ratio Lower Upper
 69 100
 41 61.4 51.4 77.0
 39 35.5 34.6 52.0

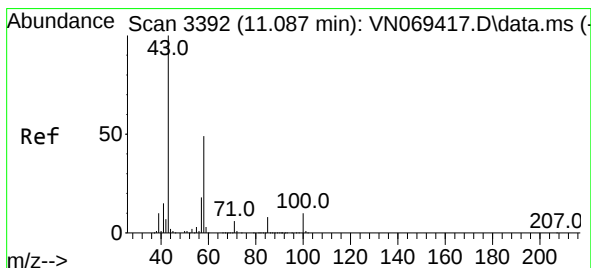
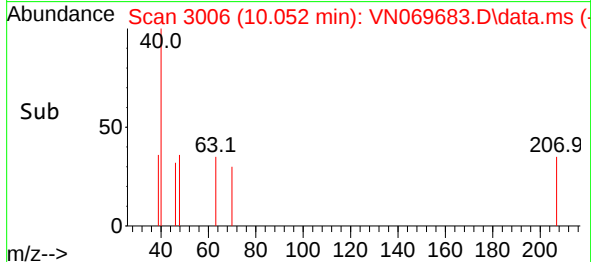
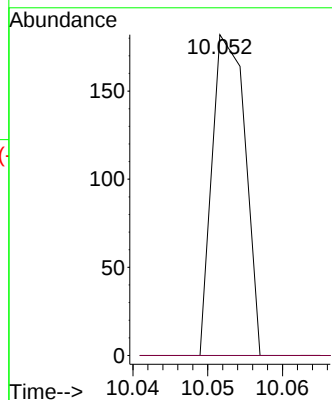
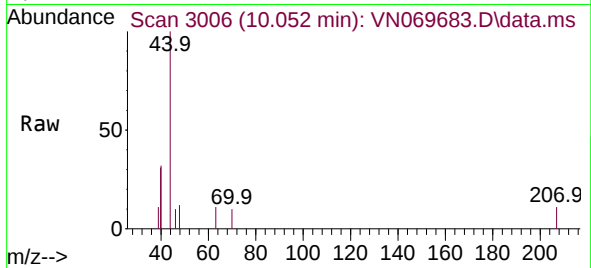




#58
2-Chloroethyl Vinyl ether
Concen: 22.776 ug/l
RT: 10.052 min Scan# 3002
Delta R.T. 0.011 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

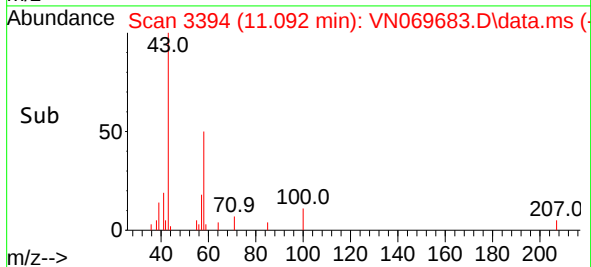
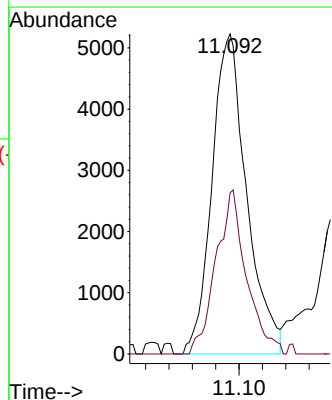
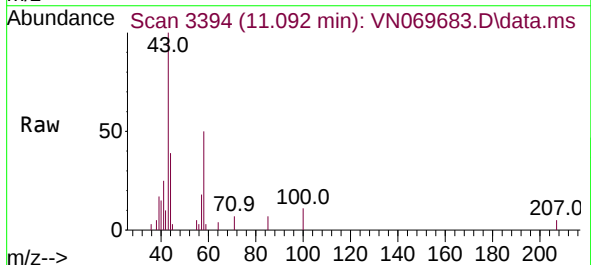
Instrument :
MSVOA_N
ClientSampleId :

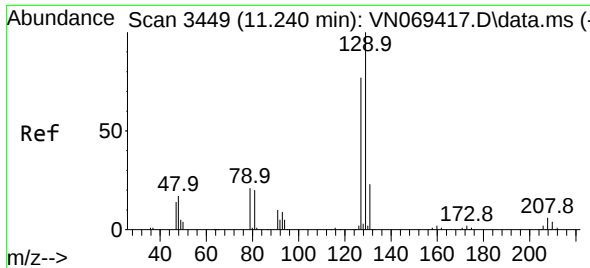
Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.326 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion: 43 Resp: 10770
Ion Ratio Lower Upper
43 100
58 45.0 26.9 80.7

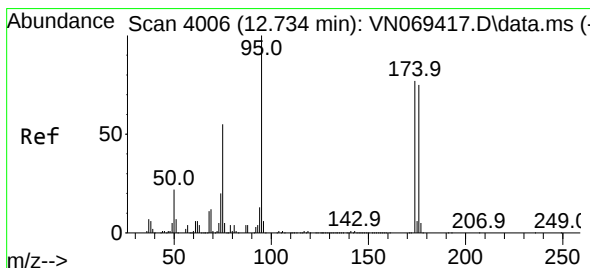
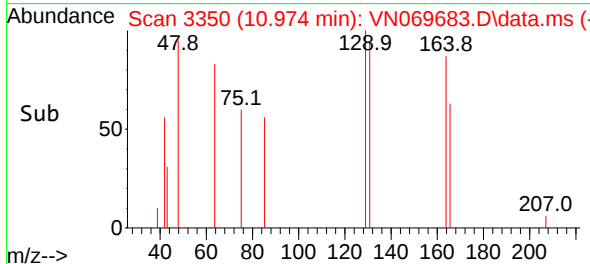
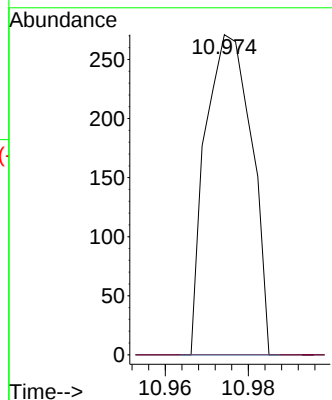
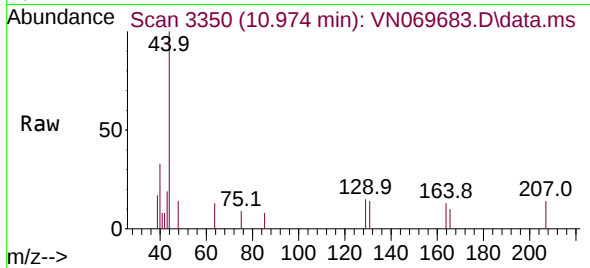




#60
Dibromochloromethane
Concen: 2.428 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.266 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

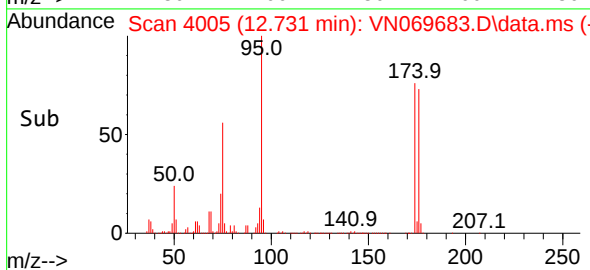
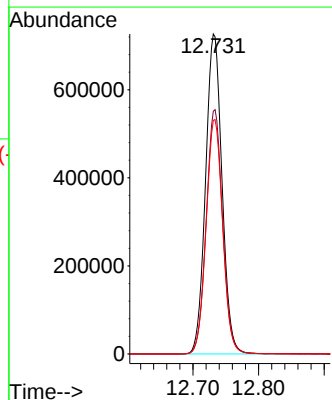
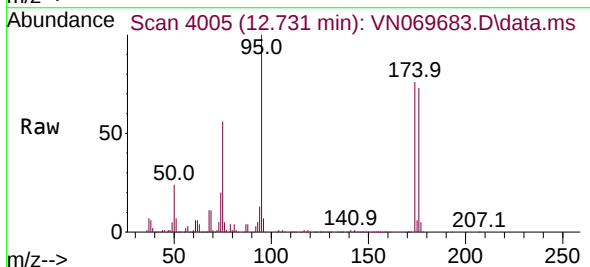
Instrument :
MSVOA_N
ClientSampleId :

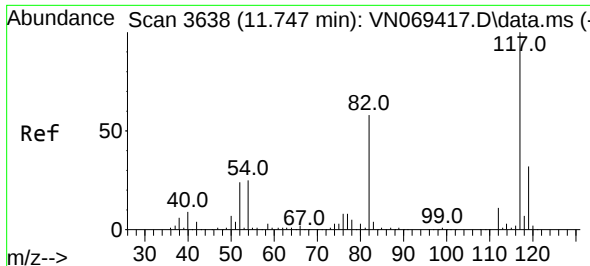
Tgt Ion:129 Resp: 209
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.521 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion: 95 Resp: 1263747
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.6 0.0 181.4

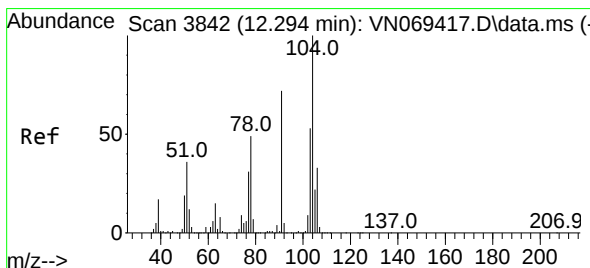
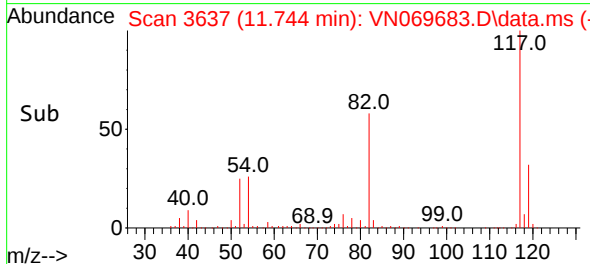
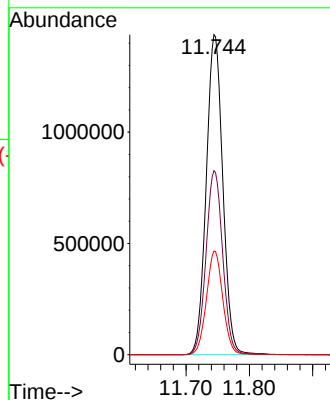
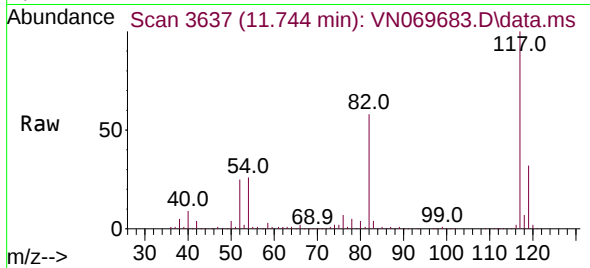




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

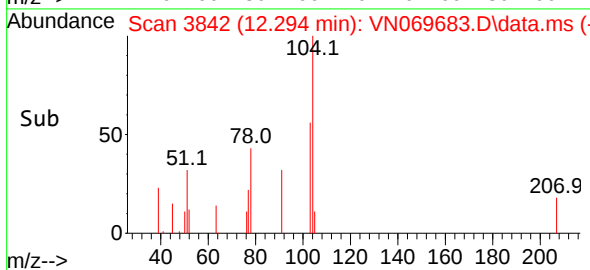
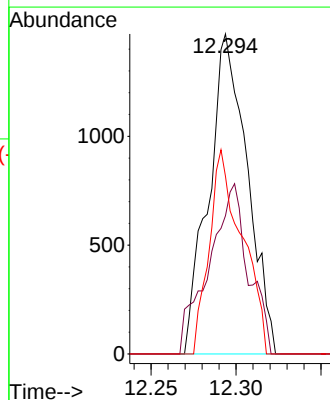
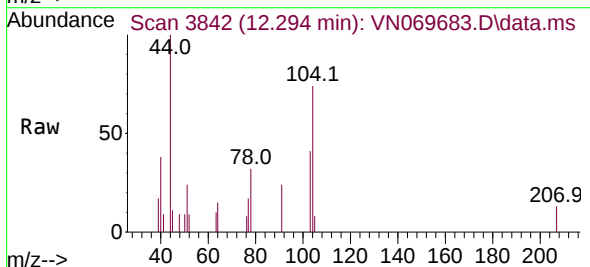
Instrument :
MSVOA_N
ClientSampleId :

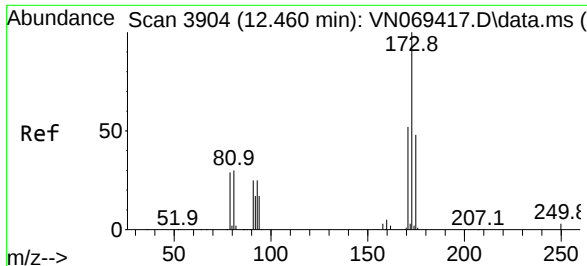
Tgt Ion:117 Resp: 2609762
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 32.4 25.4 38.2



#70
Styrene
Concen: 1.559 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion:104 Resp: 2324
Ion Ratio Lower Upper
104 100
78 54.3 38.7 58.1
103 54.2 45.0 67.6

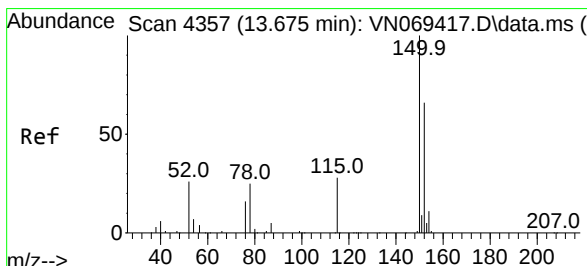
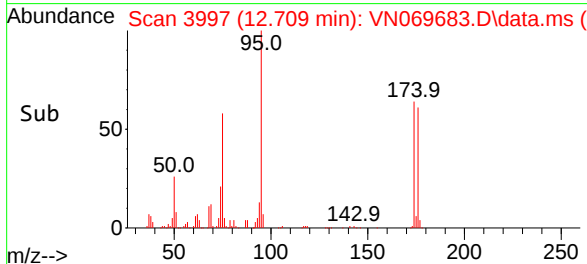
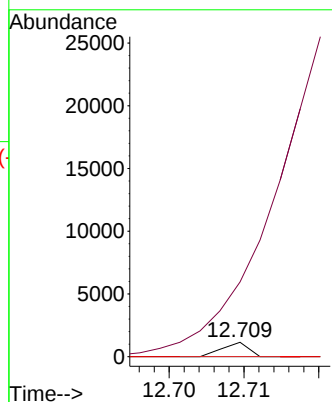
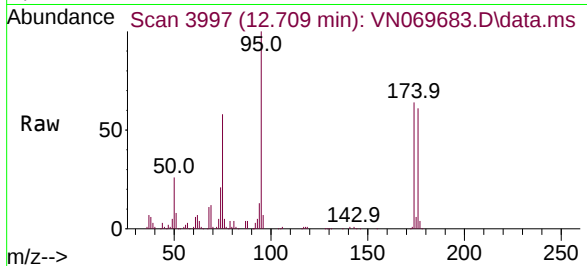




#71
Bromoform
Concen: 3.446 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

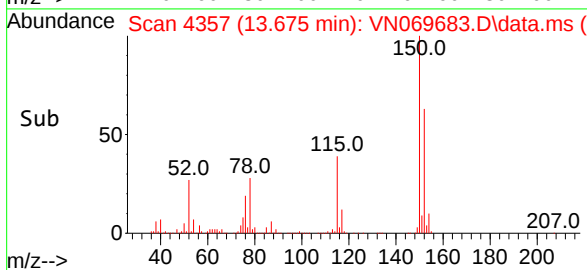
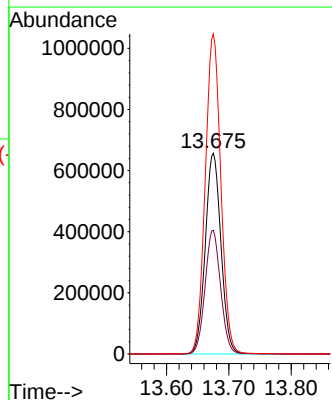
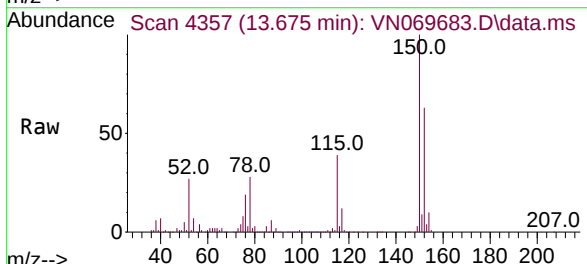
Instrument :
MSVOA_N
ClientSampleId :

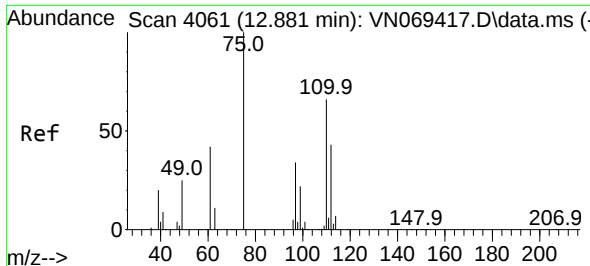
Tgt Ion:173 Resp: 279
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion:152 Resp: 1147930
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.1 0.0 344.4

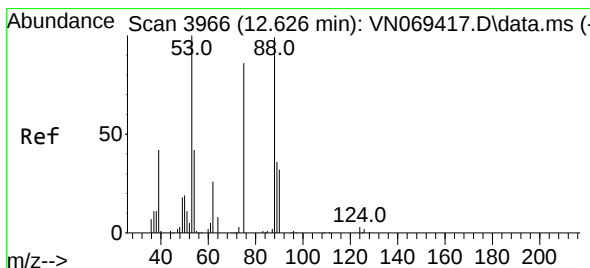
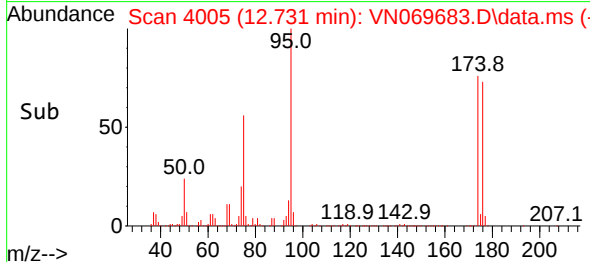
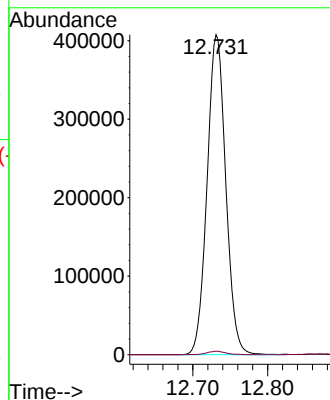
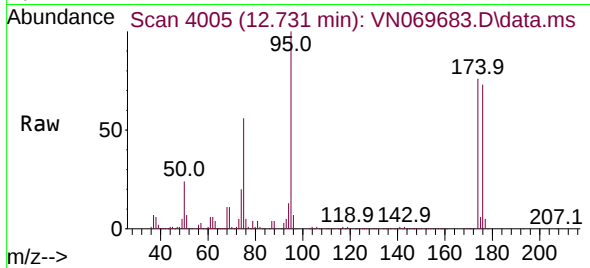




#76
1,2,3-Trichloropropane
Concen: 26.711 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

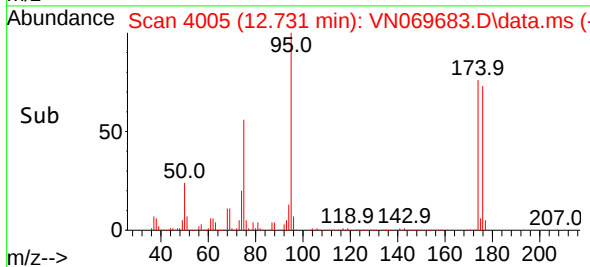
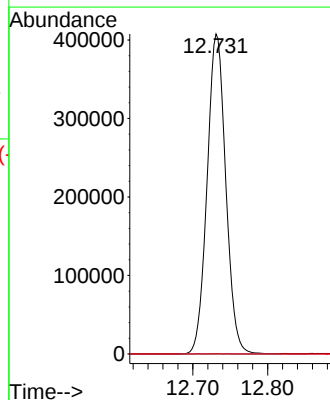
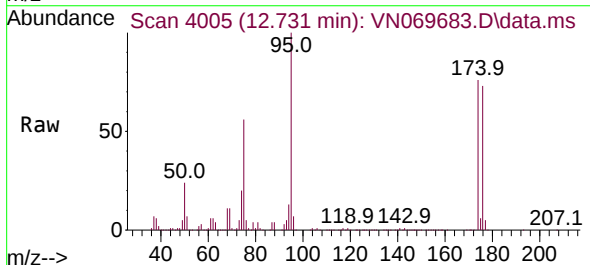
Instrument :
MSVOA_N
ClientSampleId :

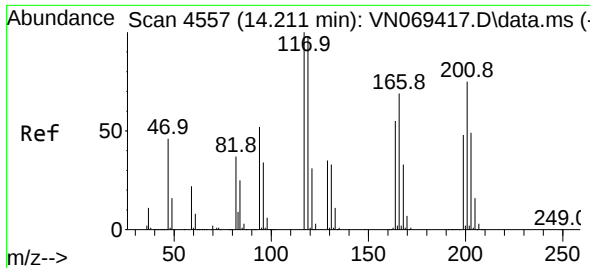
Tgt Ion: 75 Resp: 707622
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.095 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

Tgt Ion: 75 Resp: 707622
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

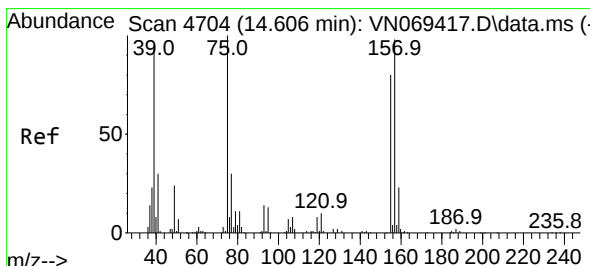
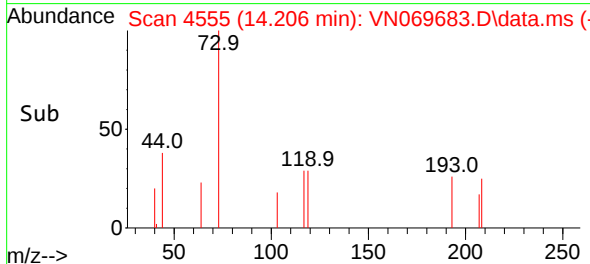
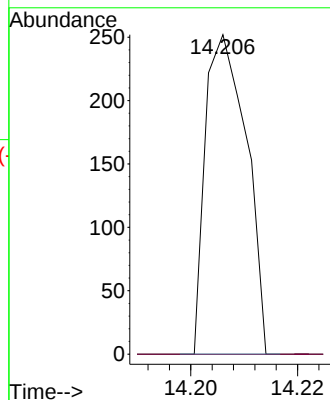
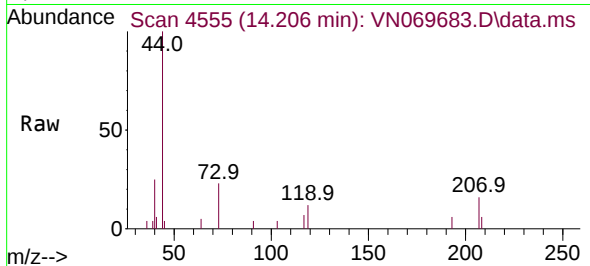




#90
Hexachloroethane
Concen: 2.172 ug/l
RT: 14.206 min Scan# 411
Delta R.T. -0.005 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

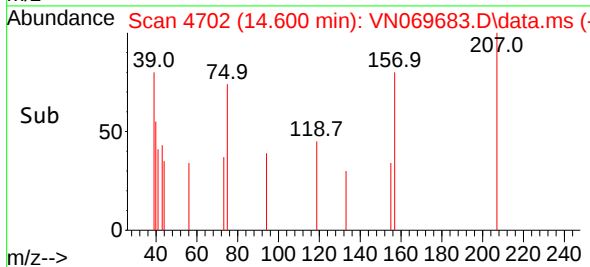
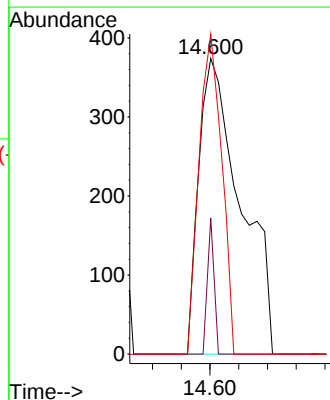
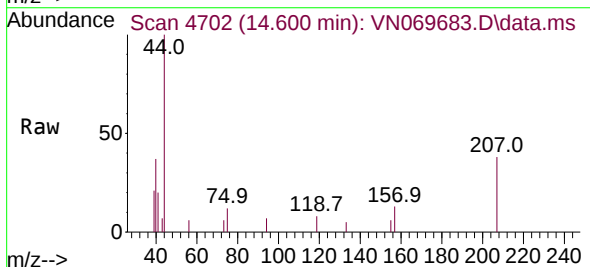
Instrument :
MSVOA_N
ClientSampleId :

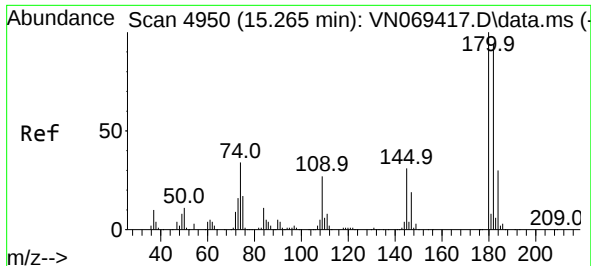
Tgt Ion:117 Resp: 134
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.861 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. -0.006 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

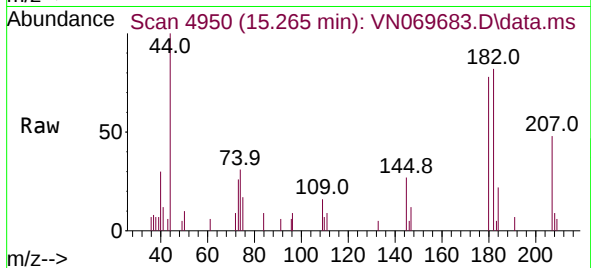
Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
155 7.4 46.9 140.7#
157 58.6 60.6 181.7#



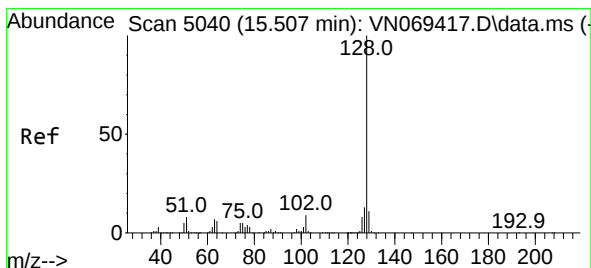
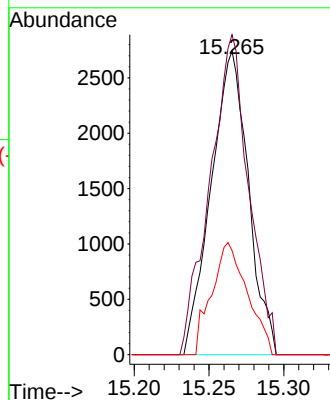
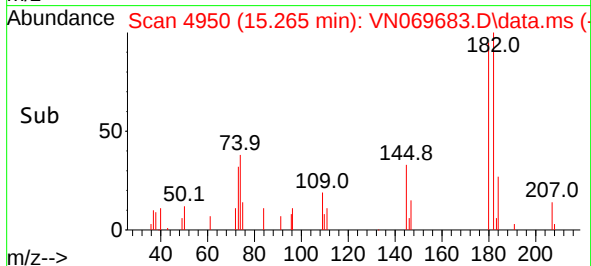


#93
1,2,4-Trichlorobenzene
Concen: 3.360 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30

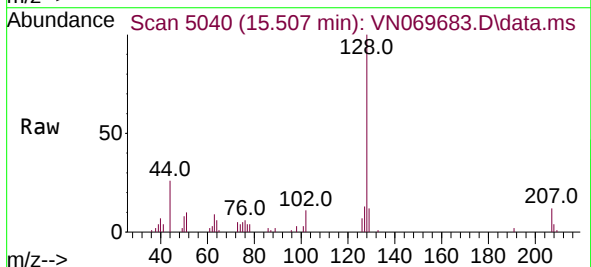
Instrument :
MSVOA_N
ClientSampleId :



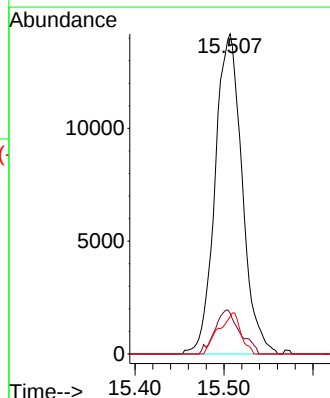
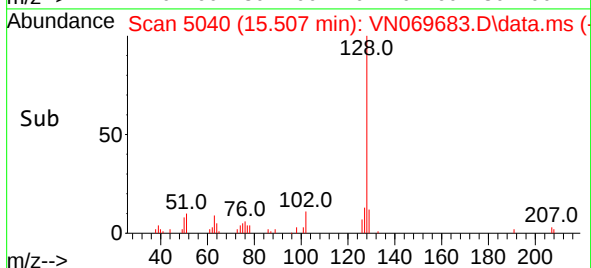
Tgt Ion:180 Resp: 4754
Ion Ratio Lower Upper
180 100
182 109.2 48.3 144.9
145 35.4 14.5 43.5

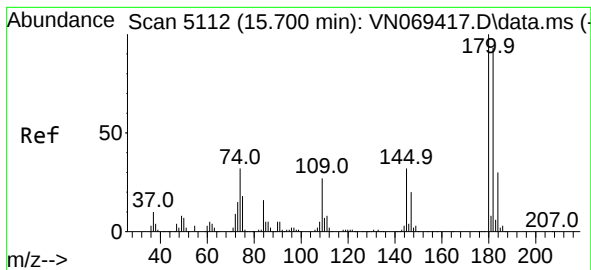


#95
Naphthalene
Concen: 4.985 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069683.D
Acq: 30 Nov 2021 13:30



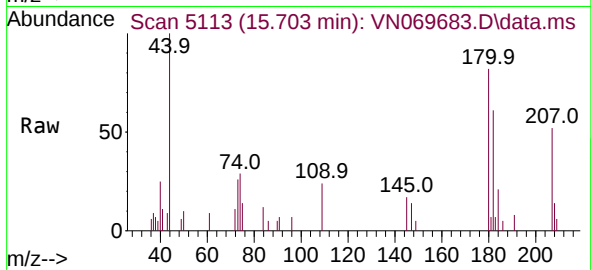
Tgt Ion:128 Resp: 29891
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.488 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. 0.003 min
 Lab File: VN069683.D
 Acq: 30 Nov 2021 13:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.9	47.4	142.2
145	17.8	15.0	45.1

