

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113021\
 Data File : VN069679.D
 Acq On : 30 Nov 2021 11:30
 Operator : JC/MD
 Sample : VN1130WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 01:47:22 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)

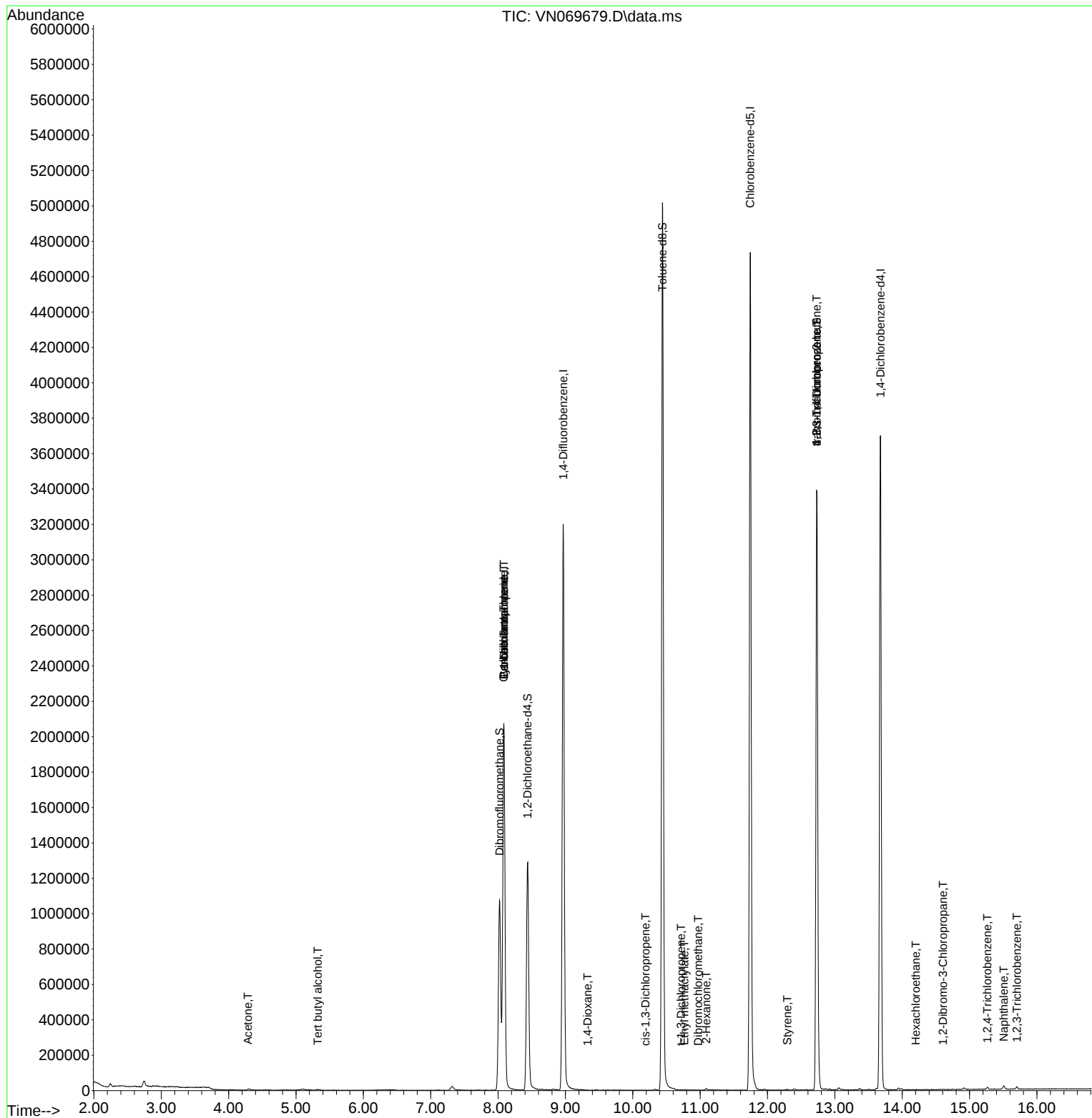
Internal Standards						
1) Pentafluorobenzene	8.086	168	1556061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2687653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2683920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	1002914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1130718	50.116	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.240%	
35) Dibromofluoromethane	8.021	113	786562	48.796	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.600%	
50) Toluene-d8	10.440	98	3414389	53.857	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.720%	
62) 4-Bromofluorobenzene	12.731	95	1217677	52.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.321	59	1947	0.479	ug/l #	84
13) Acrolein	4.033	56	702	Below Cal	#	72
16) Acetone	4.285	43	3068	0.252	ug/l #	80
31) Cyclohexane	8.083	56	39569	1.284	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	132030	5.838	ug/l #	49
38) Carbon Tetrachloride	8.086	117	161941	7.417	ug/l #	16
49) 1,4-Dioxane	9.330	88	25	39.111	ug/l #	1
53) t-1,3-Dichloropropene	10.714	75	195	2.644	ug/l #	54
54) cis-1,3-Dichloropropene	10.188	75	24	1.734	ug/l #	28
56) Ethyl methacrylate	10.765	69	383	2.064	ug/l #	1
59) 2-Hexanone	11.092	43	8069	8.234	ug/l	83
60) Dibromochloromethane	10.971	129	132	2.424	ug/l #	11
70) Styrene	12.294	104	1445	1.543	ug/l #	88
76) 1,2,3-Trichloropropane	12.731	75	687931	29.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	687931	84.021	ug/l #	5
90) Hexachloroethane	14.203	117	27	2.164	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.606	75	234	1.842	ug/l #	38
93) 1,2,4-Trichlorobenzene	15.265	180	3821	3.340	ug/l	92
95) Naphthalene	15.507	128	16852	4.796	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	4464	3.446	ug/l	82

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

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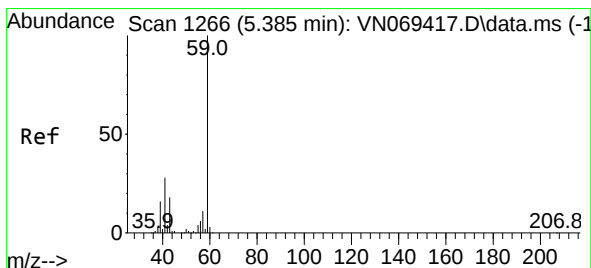
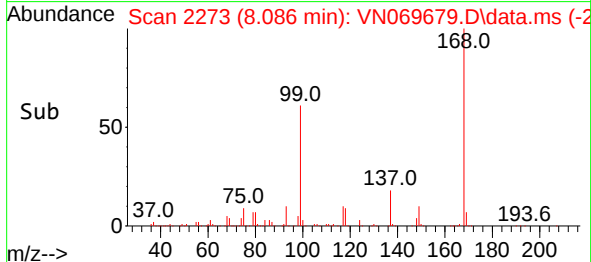
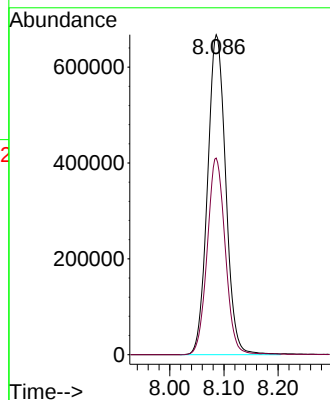
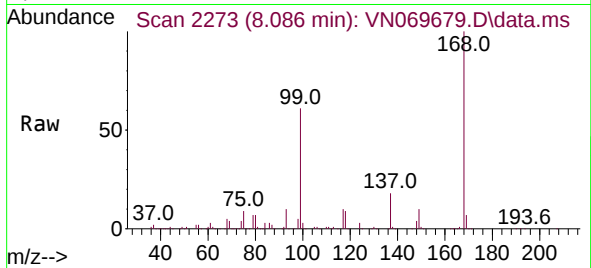




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

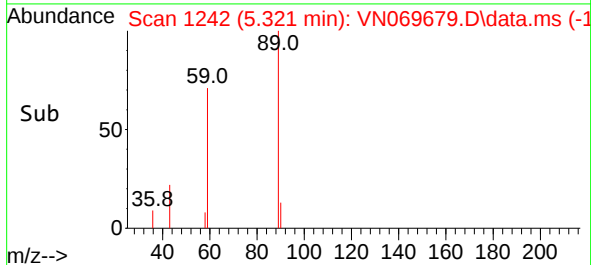
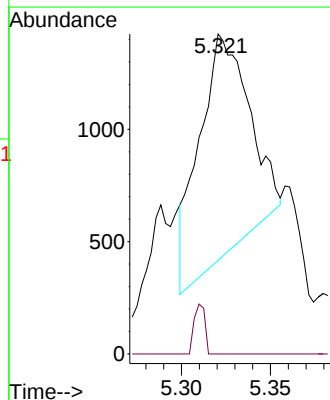
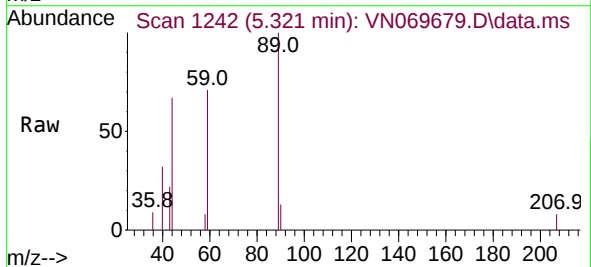
Instrument :
MSVOA_N
ClientSampleId :

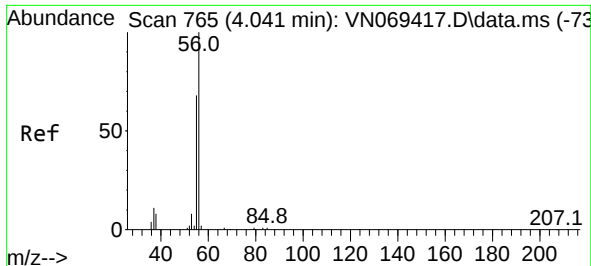
Tgt Ion:168 Resp: 1556061
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.479 ug/l
RT: 5.321 min Scan# 1242
Delta R.T. -0.064 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion: 59 Resp: 1947
Ion Ratio Lower Upper
59 100
57 4.8 8.7 13.1#

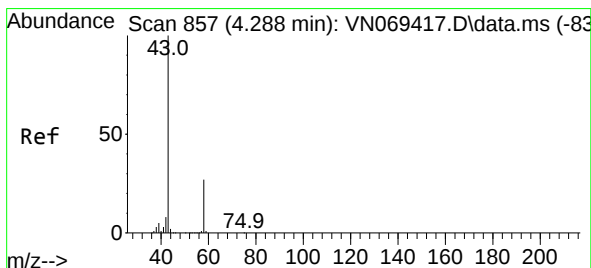
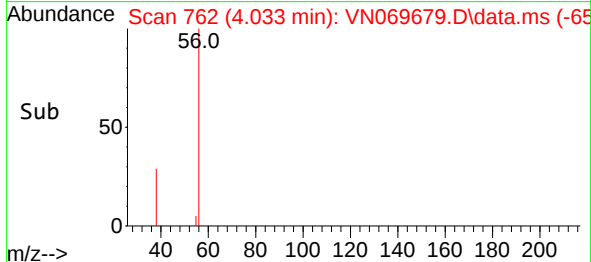
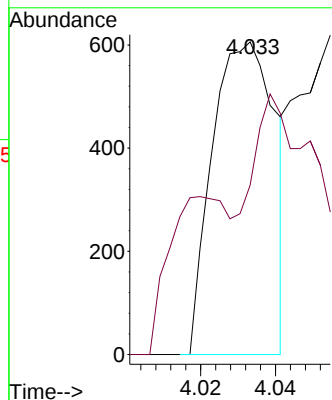
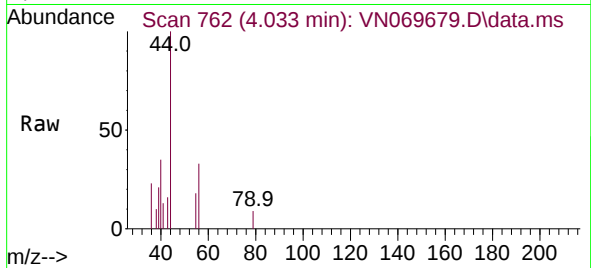




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

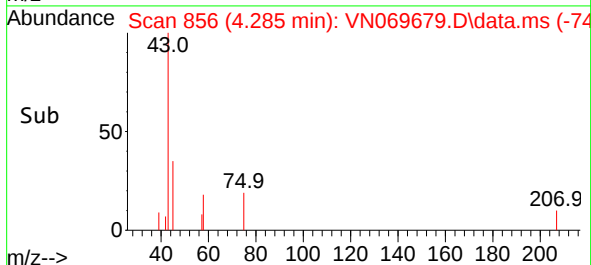
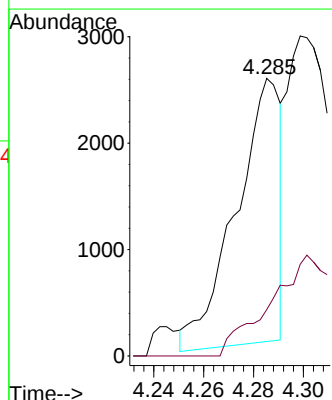
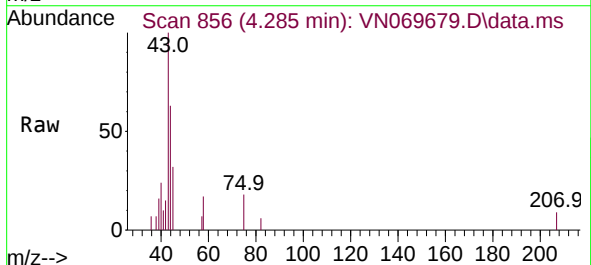
Instrument :
MSVOA_N
ClientSampleId :

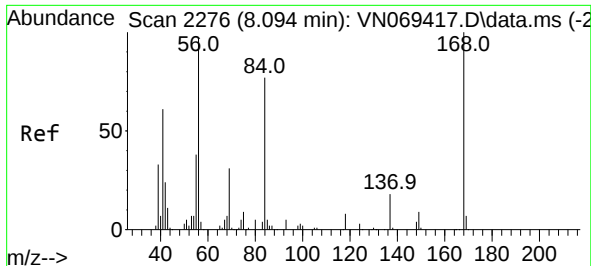
Tgt Ion: 56 Resp: 702
Ion Ratio Lower Upper
56 100
55 94.3 56.6 85.0#



#16
Acetone
Concen: 0.252 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

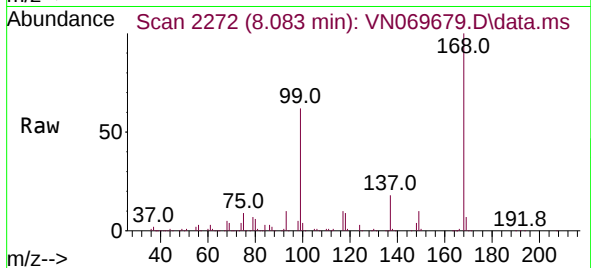
Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
58 18.5 23.1 34.7#



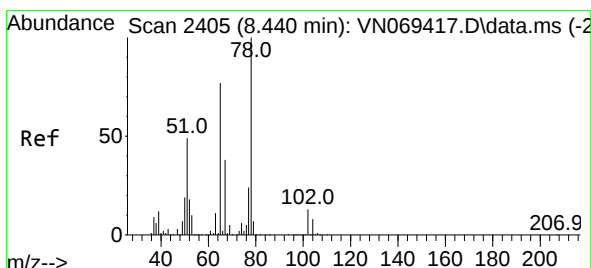
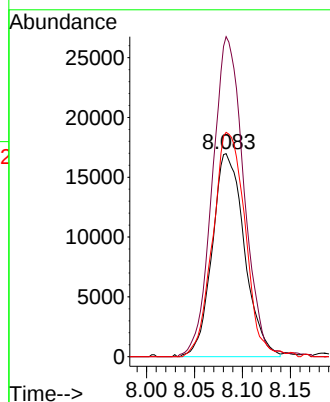
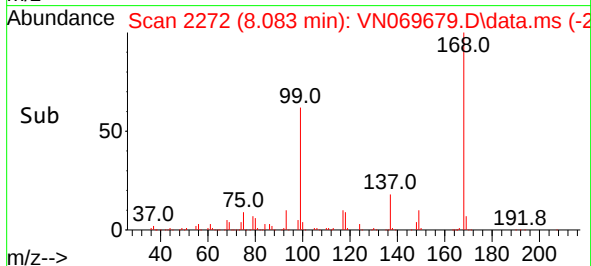


#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

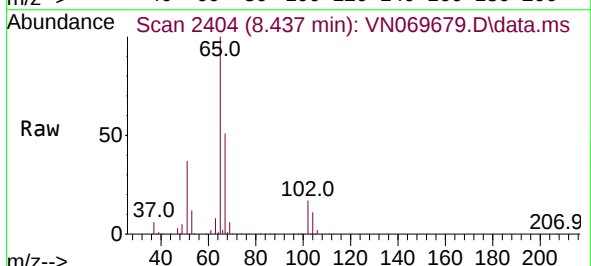
Instrument :
MSVOA_N
ClientSampleId :



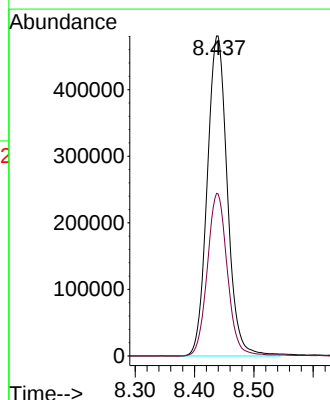
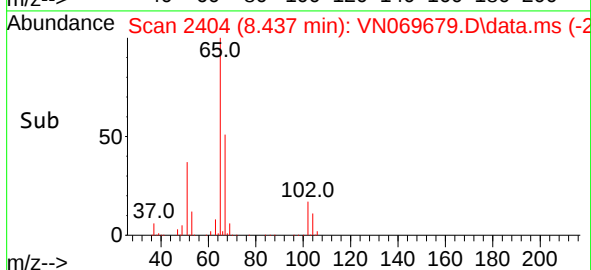
Tgt Ion: 56 Resp: 39569
Ion Ratio Lower Upper
56 100
69 156.6 27.1 40.7#
84 110.5 73.4 110.0#

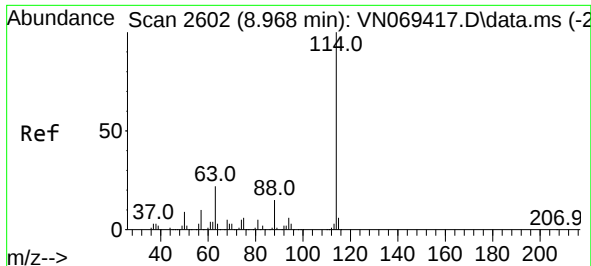


#33
1,2-Dichloroethane-d4
Concen: 50.116 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30



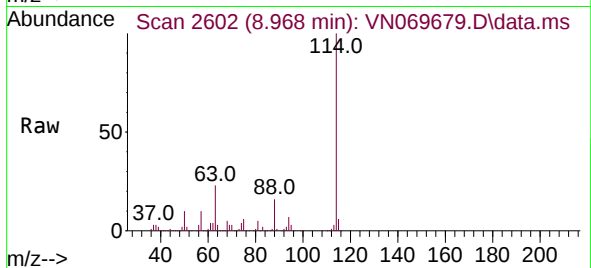
Tgt Ion: 65 Resp: 1130718
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0





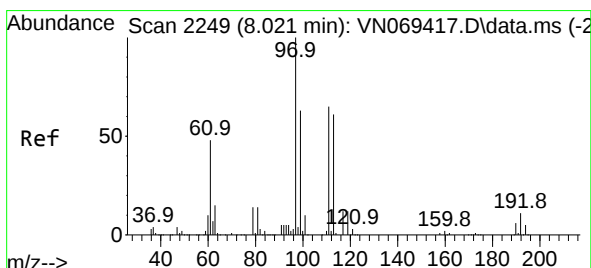
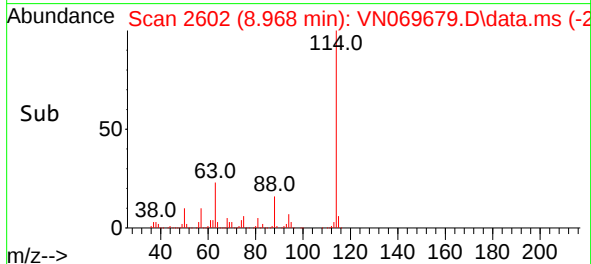
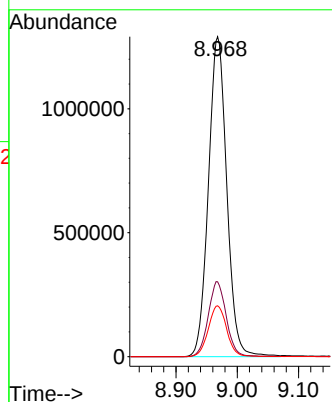
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 2687653

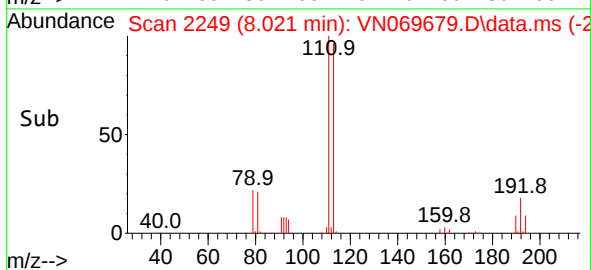
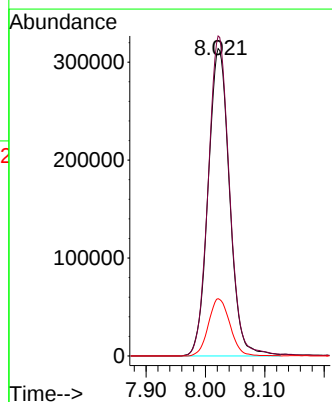
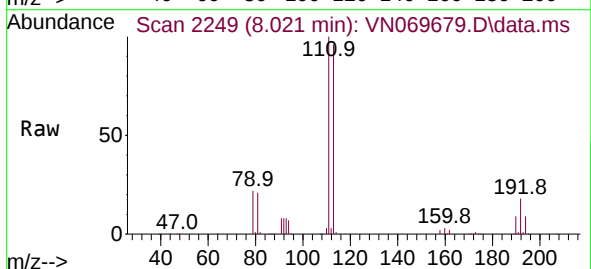
Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	37.8
88	15.9	0.0	27.4

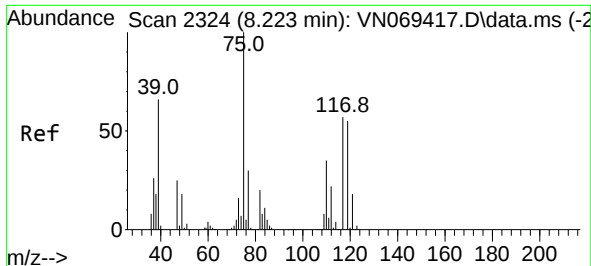


#35
Dibromofluoromethane
Concen: 48.796 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion:113 Resp: 786562

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	18.7	16.9	25.3

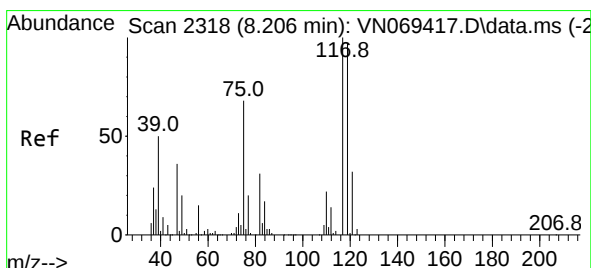
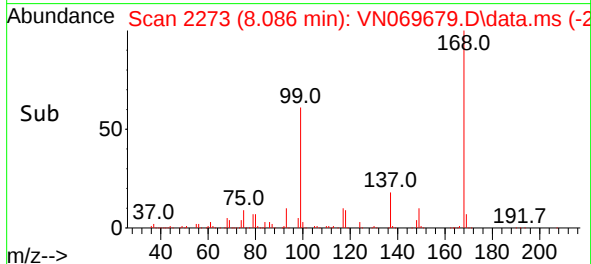
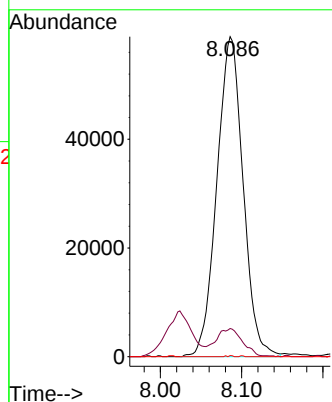
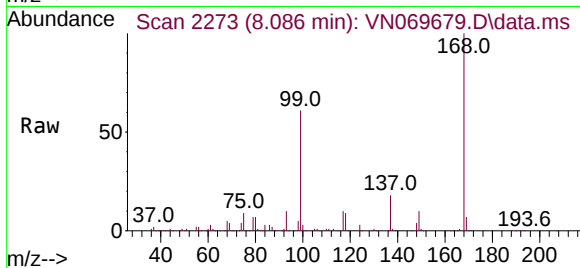




#36
1,1-Dichloropropene
Concen: 5.838 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

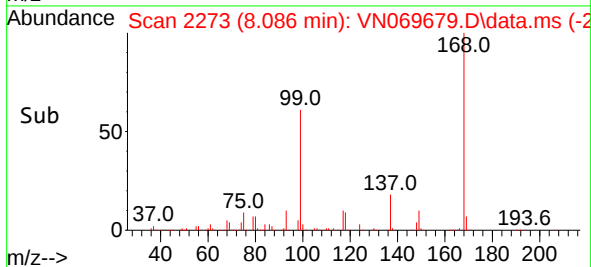
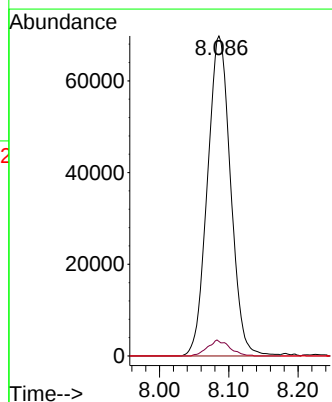
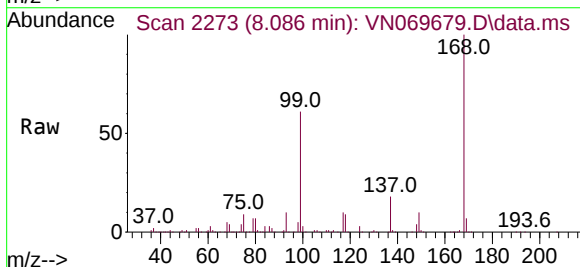
Instrument :
MSVOA_N
ClientSampleId :

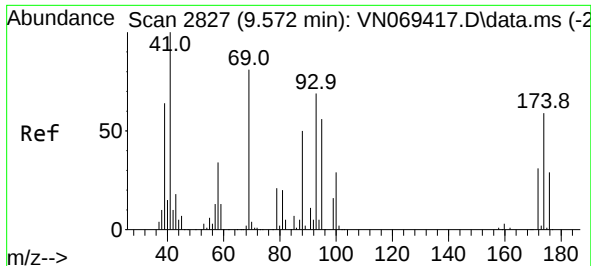
Tgt Ion: 75 Resp: 132030
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.417 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion: 117 Resp: 161941
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: 39.111 ug/l

RT: 9.330 min Scan# 21

Delta R.T. -0.242 min

Lab File: VN069679.D

Acq: 30 Nov 2021 11:30

Instrument :

MSVOA_N

ClientSampleId :

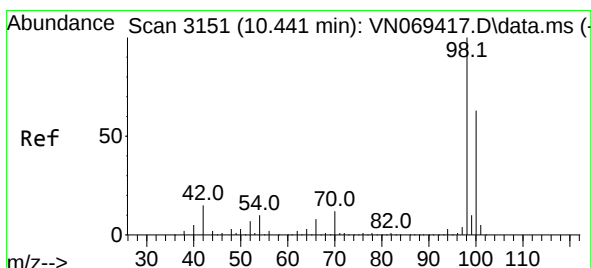
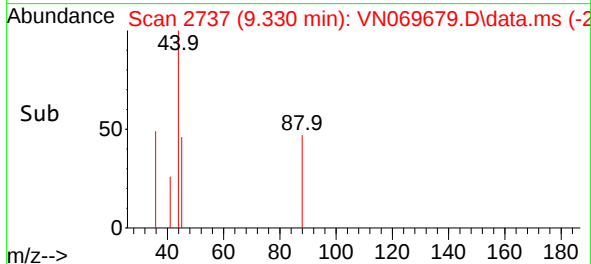
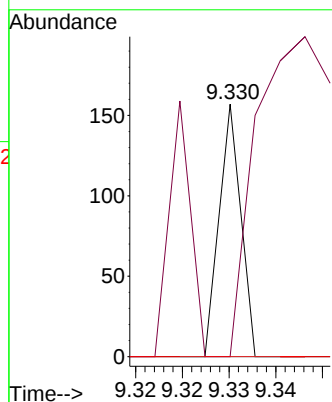
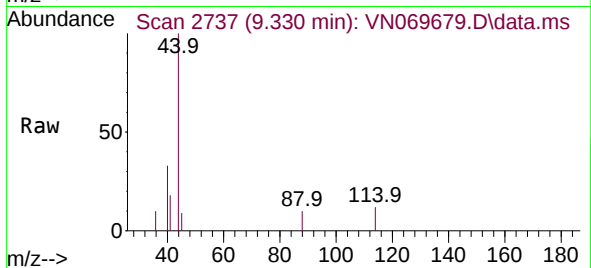
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 452.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 53.857 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.001 min

Lab File: VN069679.D

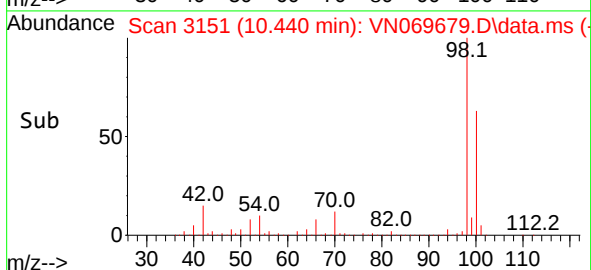
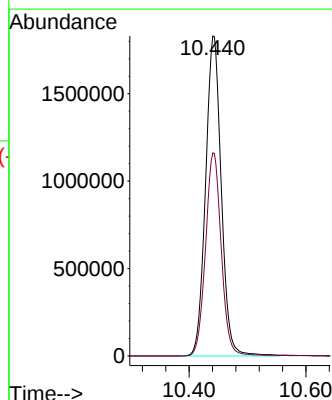
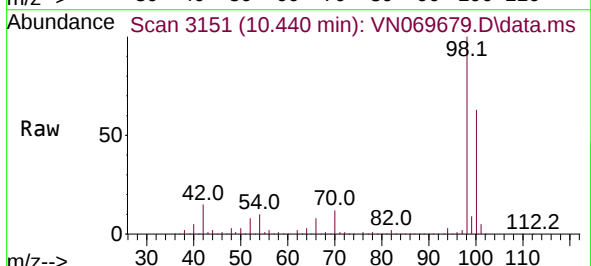
Acq: 30 Nov 2021 11:30

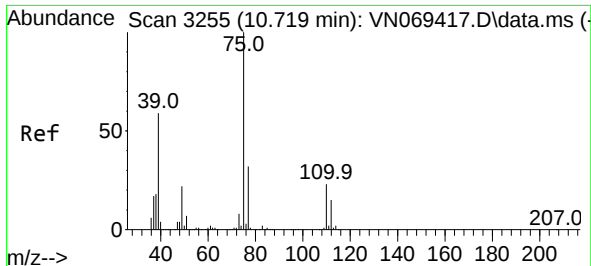
Tgt Ion: 98 Resp: 3414389

Ion Ratio Lower Upper

98 100

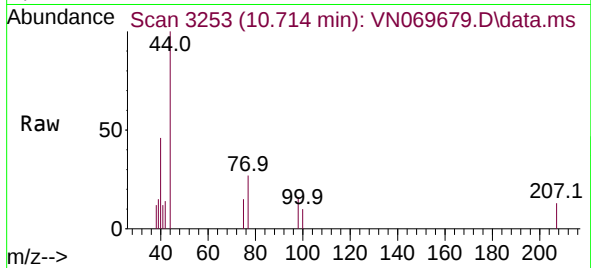
100 63.6 50.4 75.6



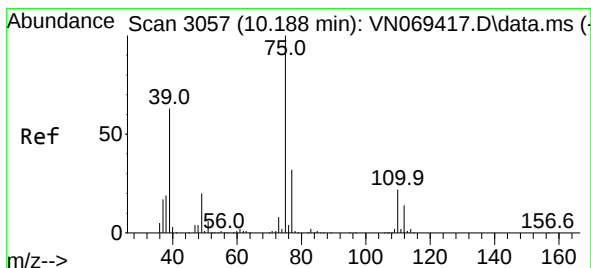
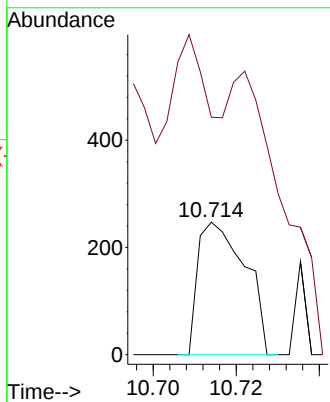
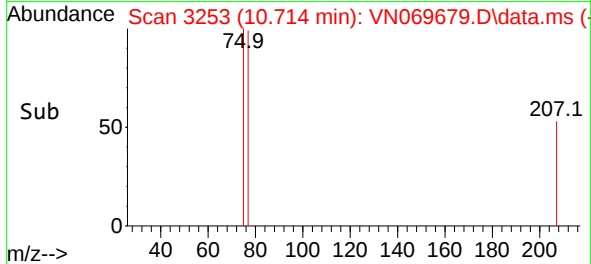


#53
t-1,3-Dichloropropene
Concen: 2.644 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

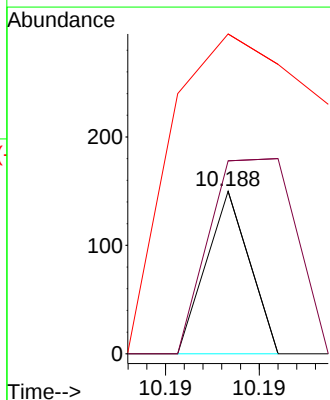
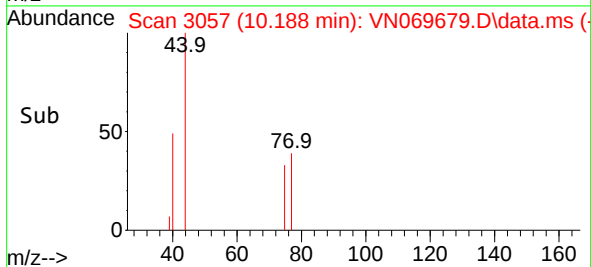
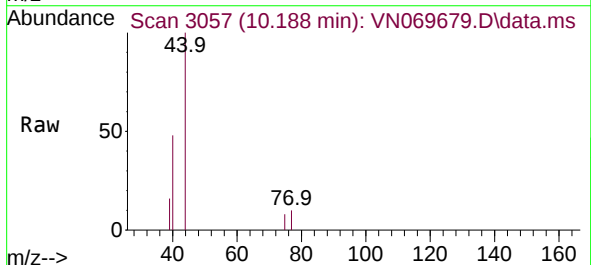


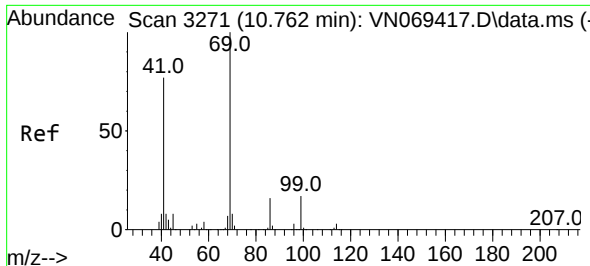
Tgt Ion: 75 Resp: 195
Ion Ratio Lower Upper
75 100
77 57.9 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 1.734 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. 0.000 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

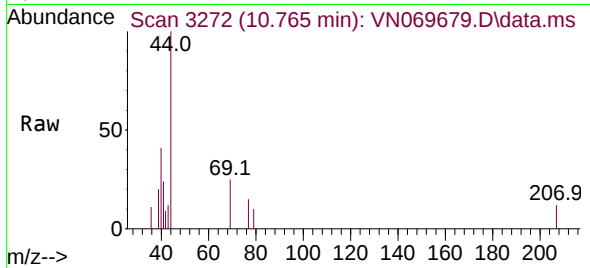
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 118.7 26.4 39.6#
39 36.7 42.5 63.7#



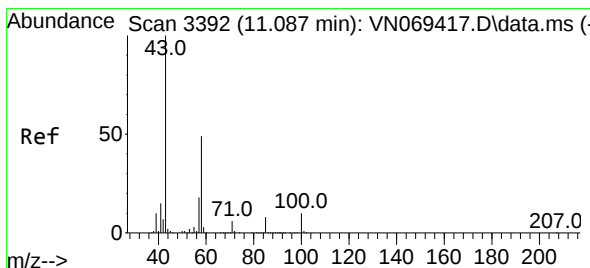
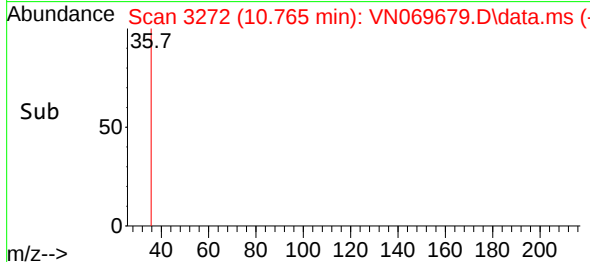
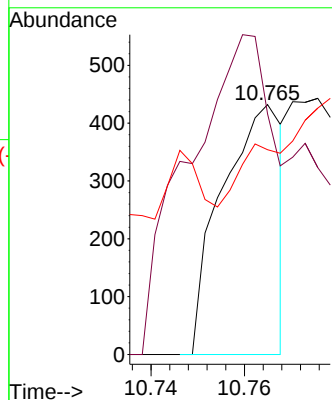


#56
Ethyl methacrylate
Concen: 2.064 ug/l
RT: 10.765 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

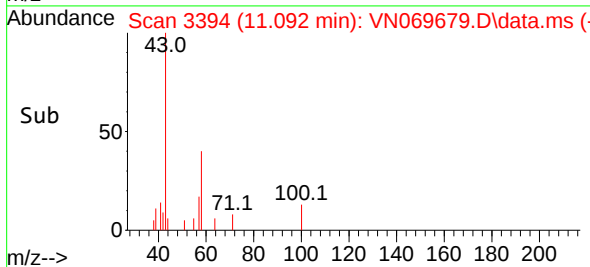
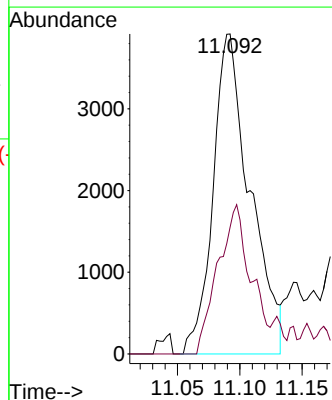
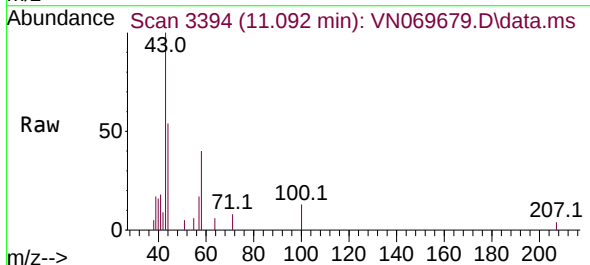


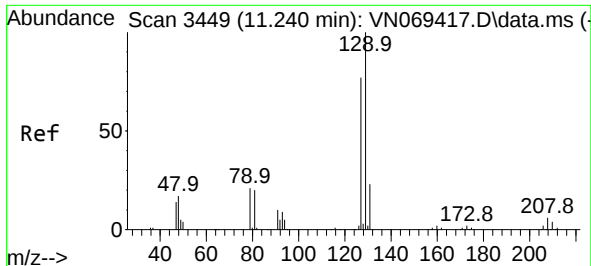
Tgt Ion: 69 Resp: 383
Ion Ratio Lower Upper
69 100
41 272.8 51.4 77.0#
39 17.5 34.6 52.0#



#59
2-Hexanone
Concen: 8.234 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion: 43 Resp: 8069
Ion Ratio Lower Upper
43 100
58 41.9 26.9 80.7

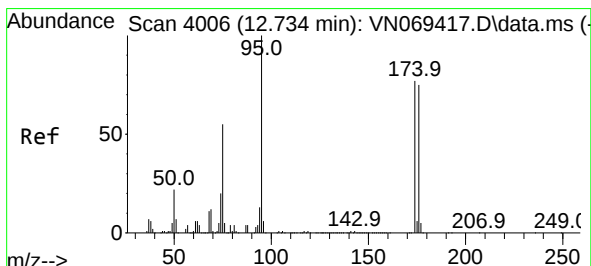
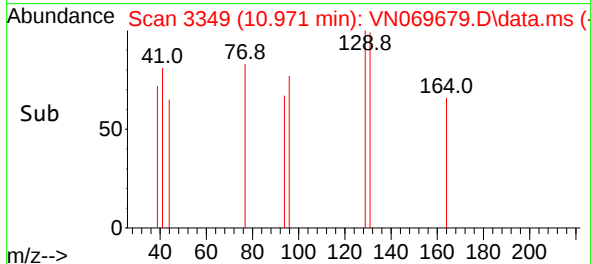
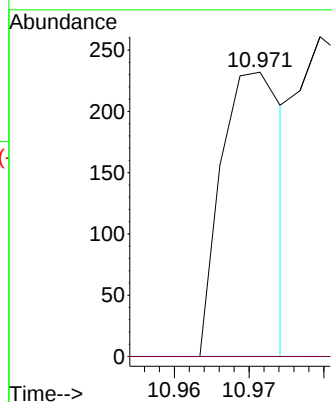
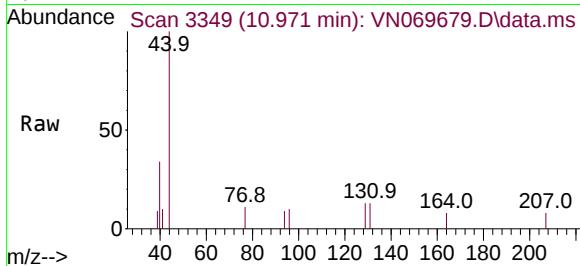




#60
Dibromochloromethane
Concen: 2.424 ug/l
RT: 10.971 min Scan# 31
Delta R.T. -0.269 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

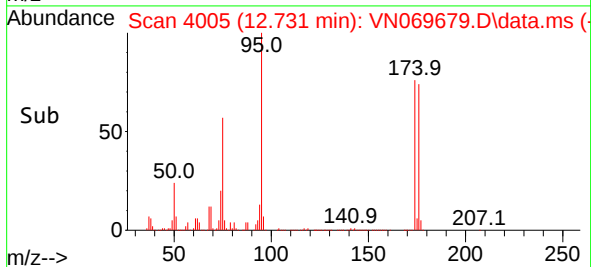
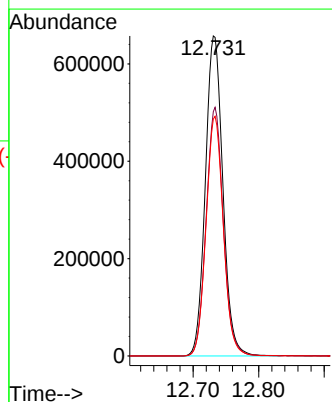
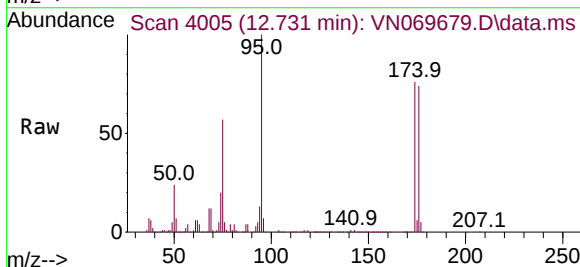
Instrument :
MSVOA_N
ClientSampleId :

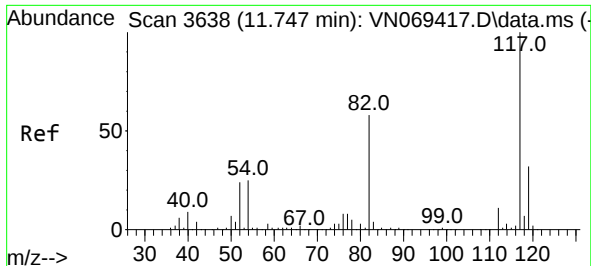
Tgt Ion:129 Resp: 132
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 52.284 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion: 95 Resp: 1217677
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 74.0 0.0 181.4

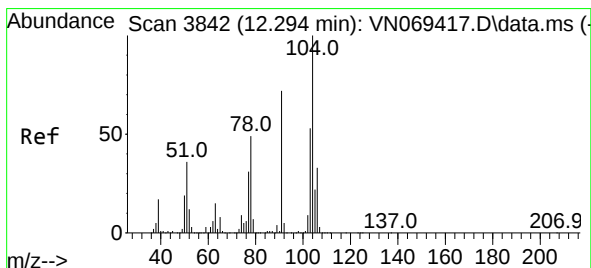
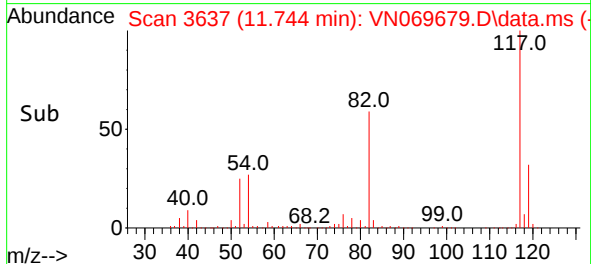
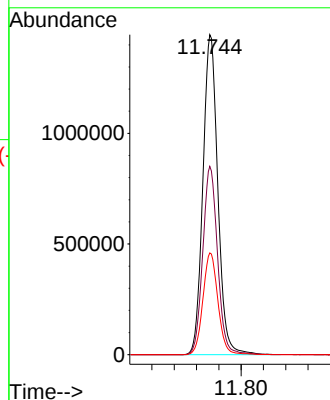
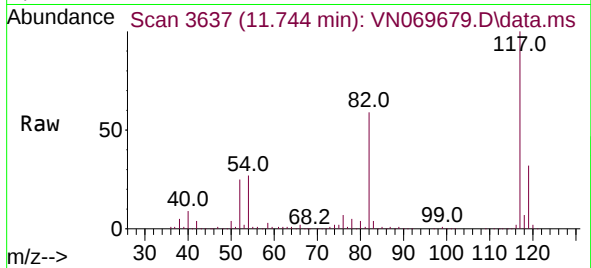




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

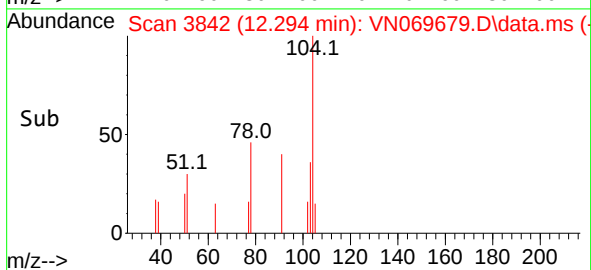
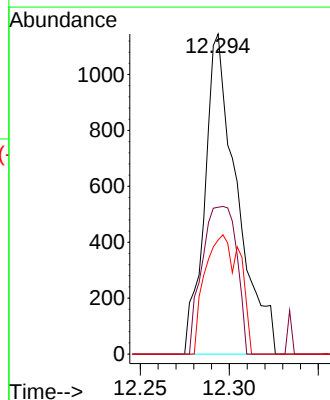
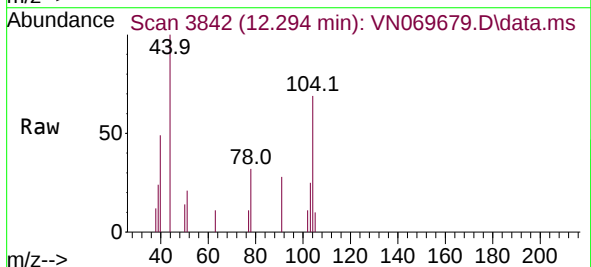
Instrument :
MSVOA_N
ClientSampleId :

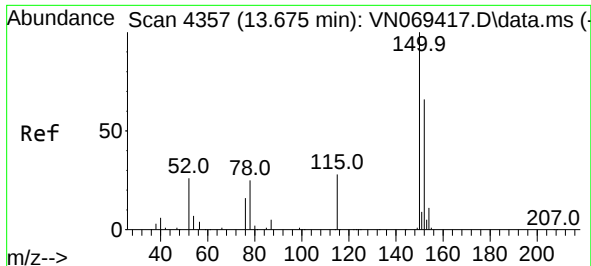
Tgt Ion:117 Resp: 2683920
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.8 25.4 38.2



#70
Styrene
Concen: 1.543 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

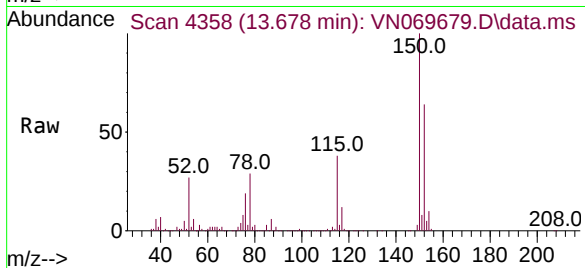
Tgt Ion:104 Resp: 1445
Ion Ratio Lower Upper
104 100
78 49.1 38.7 58.1
103 40.5 45.0 67.6#



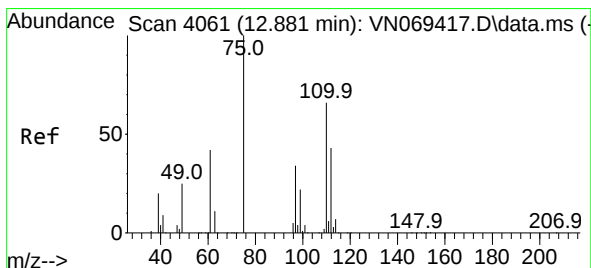
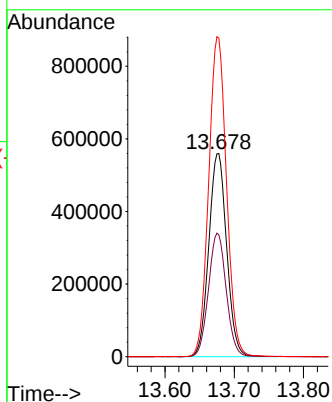
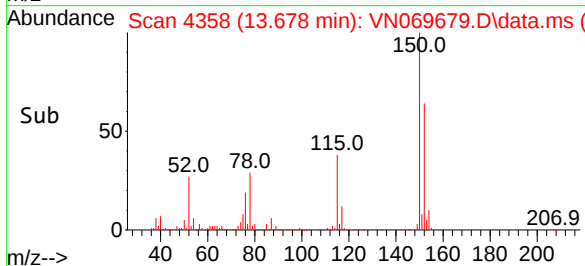


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069679.D
 Acq: 30 Nov 2021 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

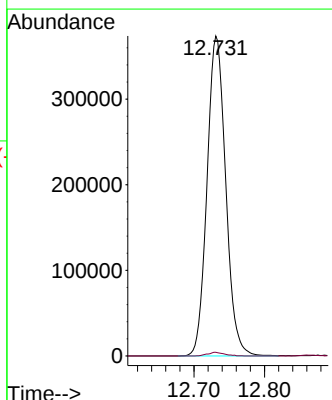
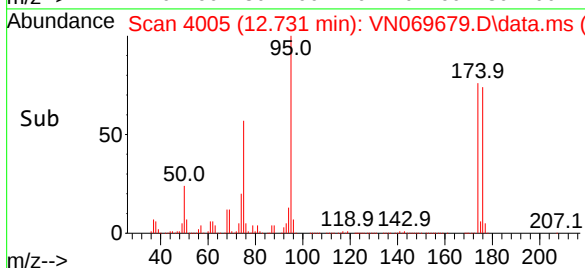
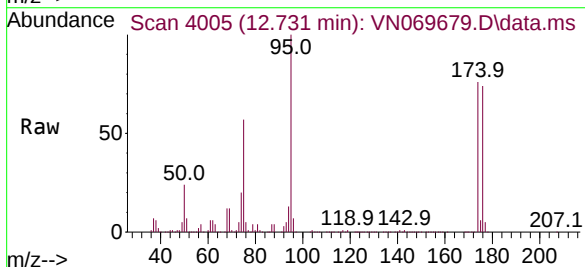


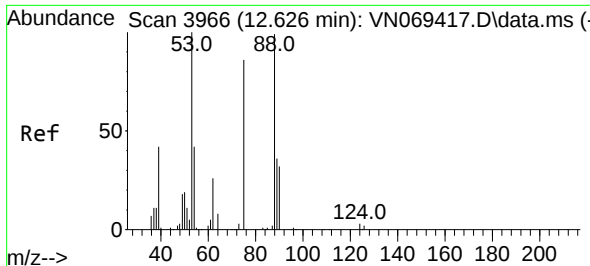
Tgt Ion:152 Resp: 1002914
 Ion Ratio Lower Upper
 152 100
 115 60.4 27.5 82.5
 150 157.0 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 29.723 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069679.D
 Acq: 30 Nov 2021 11:30

Tgt Ion: 75 Resp: 687931
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

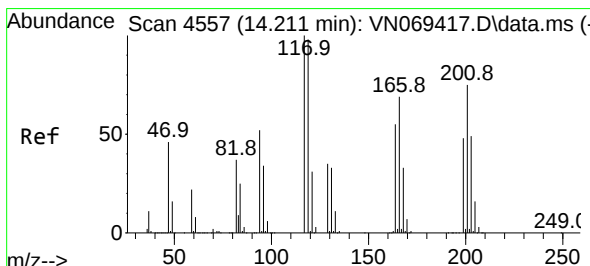
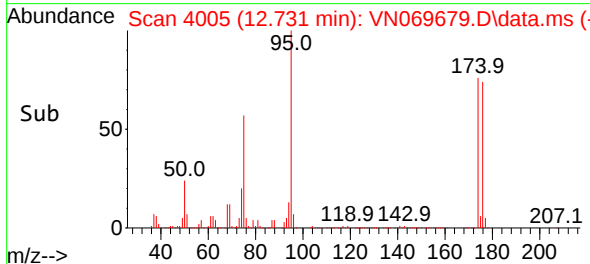
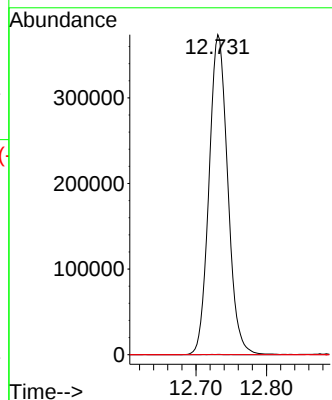
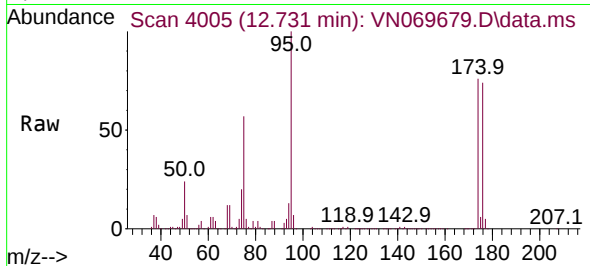




#81
trans-1,4-Dichloro-2-butene
Concen: 84.021 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

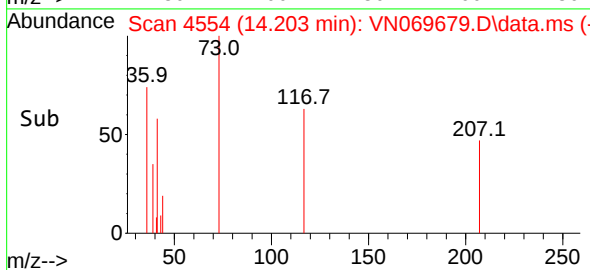
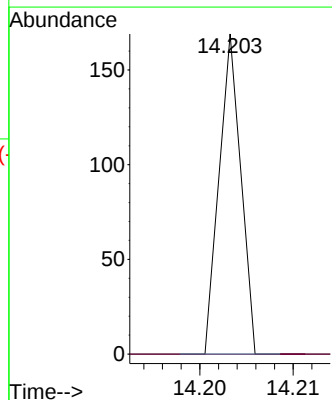
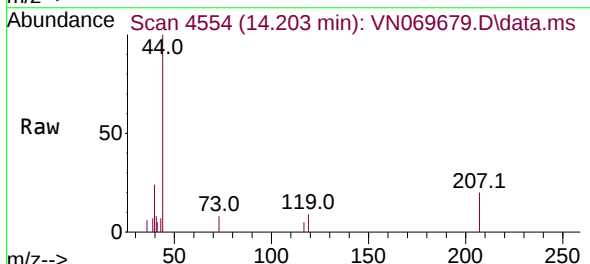
Instrument :
MSVOA_N
ClientSampleId :

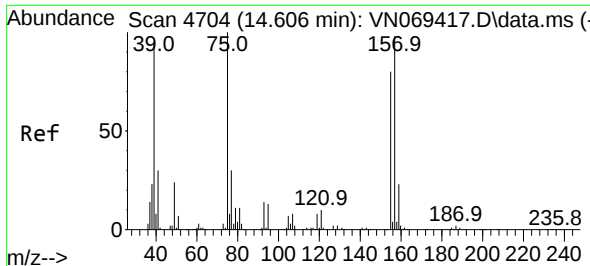
Tgt Ion: 75 Resp: 687931
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.164 ug/l
RT: 14.203 min Scan# 4554
Delta R.T. -0.008 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion: 117 Resp: 27
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

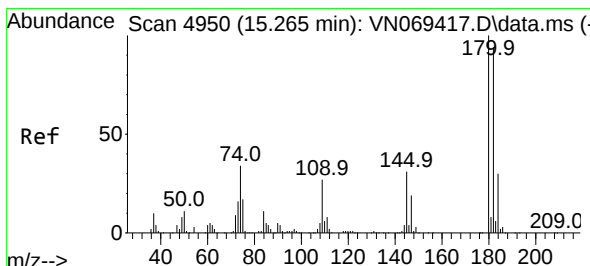
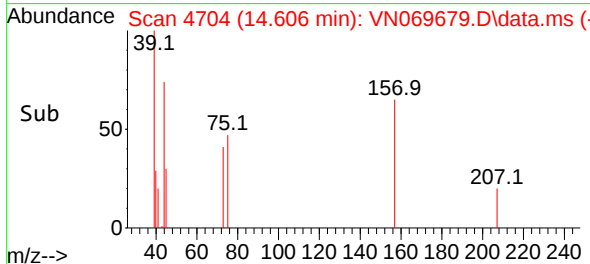
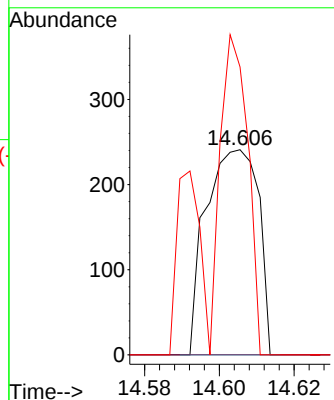
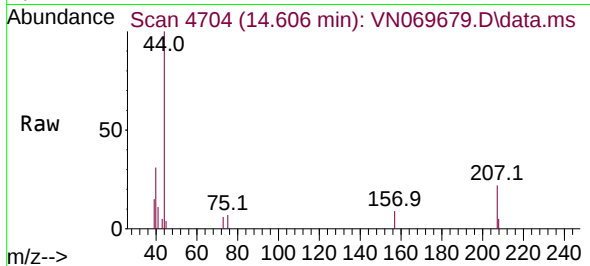




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.842 ug/l
 RT: 14.606 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069679.D
 Acq: 30 Nov 2021 11:30

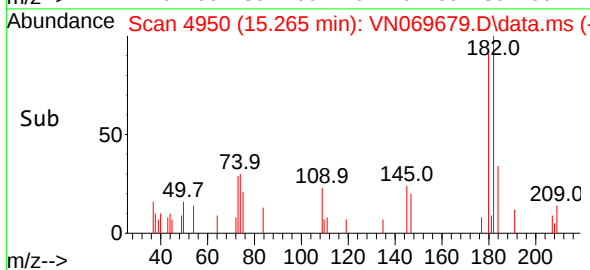
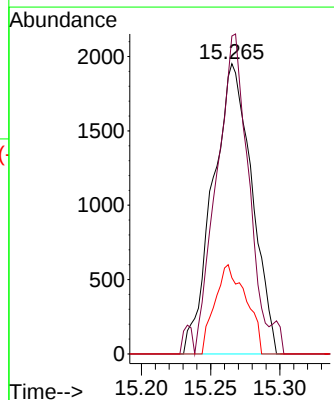
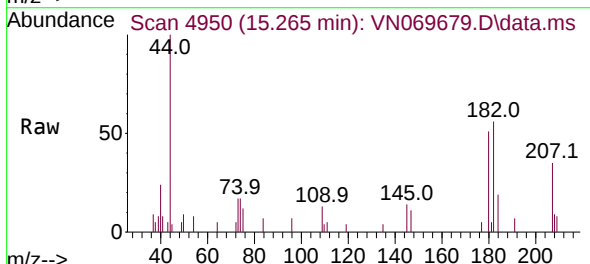
Instrument :
 MSVOA_N
 ClientSampleId :

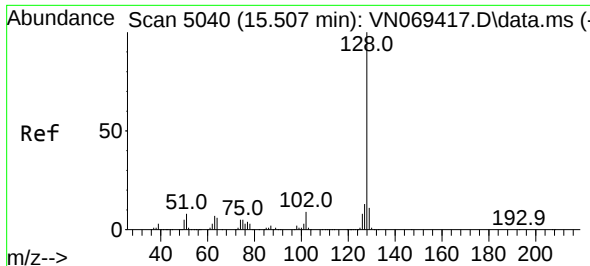
Tgt Ion: 75 Resp: 234
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 82.1 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.340 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069679.D
 Acq: 30 Nov 2021 11:30

Tgt Ion:180 Resp: 3821
 Ion Ratio Lower Upper
 180 100
 182 88.9 48.3 144.9
 145 24.5 14.5 43.5

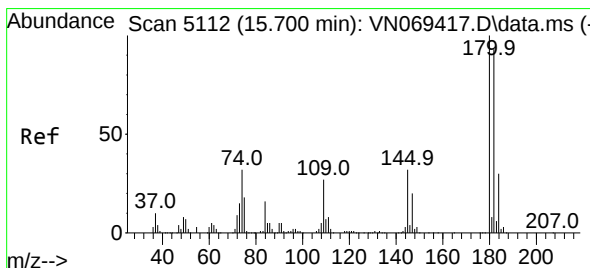
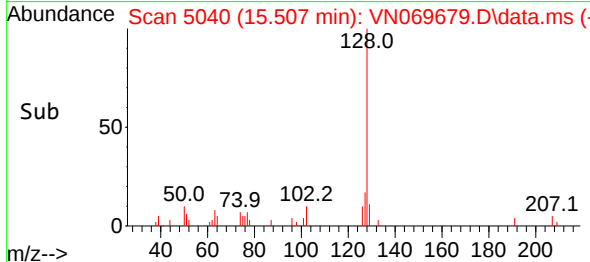
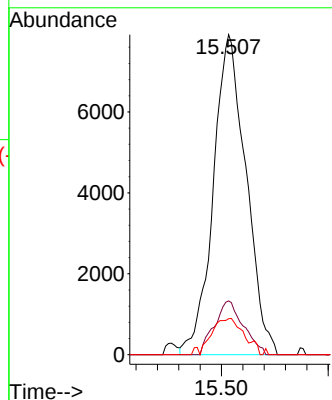
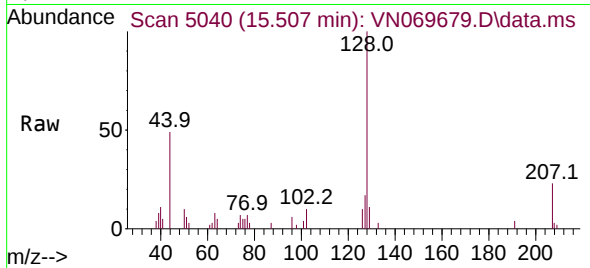




#95
Naphthalene
Concen: 4.796 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.5	15.7
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.446 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN069679.D
Acq: 30 Nov 2021 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	72.7	47.4	142.2
145	28.2	15.0	45.1

