

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067972.D
 Acq On : 29 Jul 2021 18:41
 Operator : JC/MD
 Sample : M3147-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 30 04:45:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

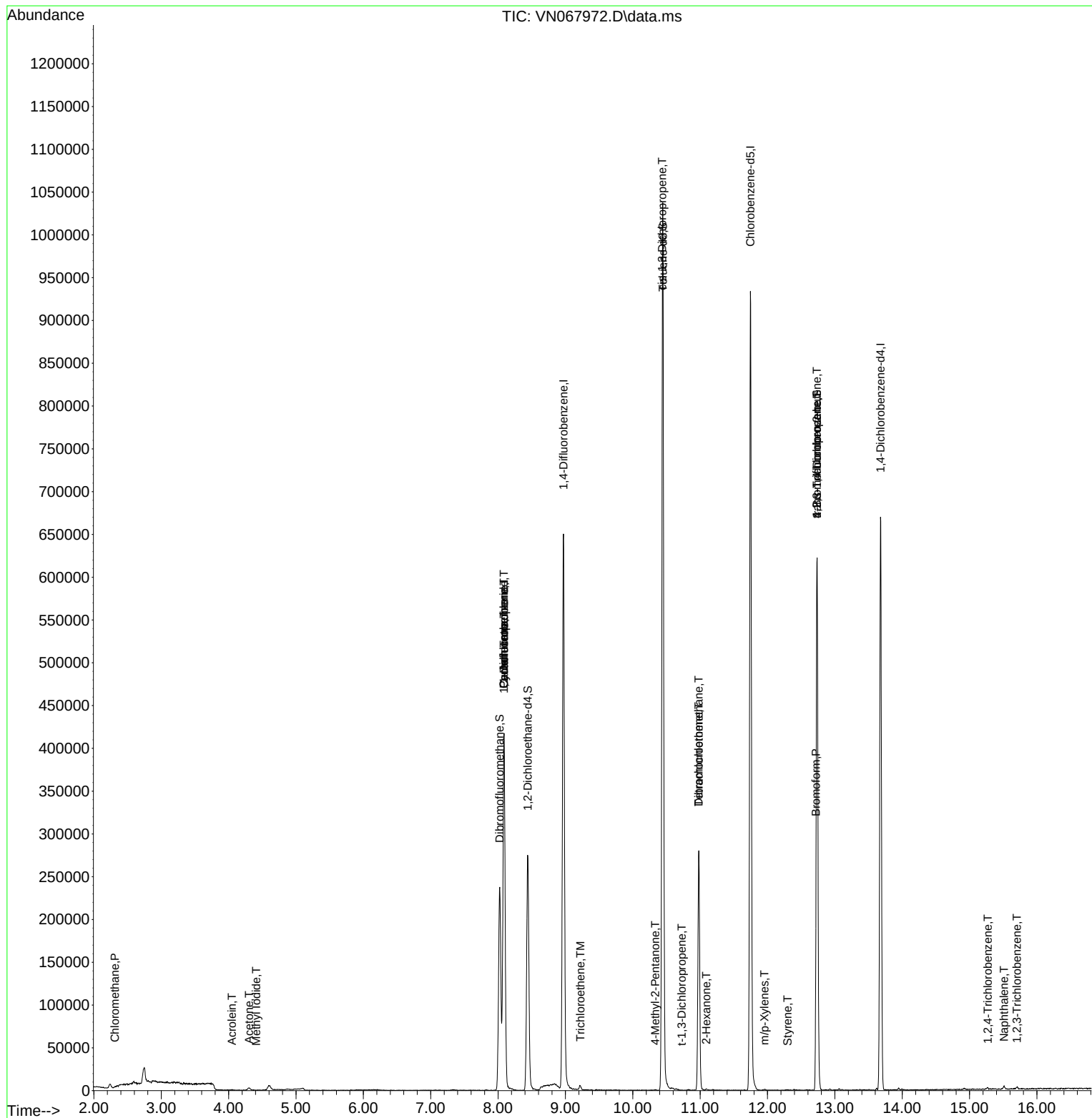
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

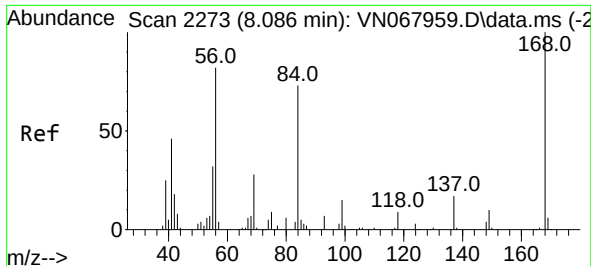
Internal Standards						
1) Pentafluorobenzene	8.088	168	299246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	570265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	537743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	174240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	235881	55.680	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.360%			
35) Dibromofluoromethane	8.024	113	174925	52.634	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.260%			
50) Toluene-d8	10.446	98	722065	47.303	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.600%			
62) 4-Bromofluorobenzene	12.733	95	225283	41.111	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 82.220%			
Target Compounds						Qvalue
3) Chloromethane	2.309	50	944	0.248	ug/l	93
10) Methyl Iodide	4.411	142	50	3.133	ug/l #	33
13) Acrolein	4.049	56	175	0.454	ug/l #	50
16) Acetone	4.304	43	4888	3.162	ug/l	99
20) Methylene Chloride	5.100	84	374	Below Cal	#	42
31) Cyclohexane	8.088	56	7248	1.160	ug/l #	1
36) 1,1-Dichloropropene	8.085	75	28353	5.375	ug/l #	47
38) Carbon Tetrachloride	8.088	117	32849	6.332	ug/l #	17
44) Trichloroethene	9.223	130	1816	0.460	ug/l	70
51) 4-Methyl-2-Pentanone	10.336	43	886	12.706	ug/l #	39
53) t-1,3-Dichloropropene	10.727	75	55	2.841	ug/l #	43
54) cis-1,3-Dichloropropene	10.438	75	145	2.375	ug/l #	74
59) 2-Hexanone	11.092	43	1379	13.592	ug/l	89
60) Dibromochloromethane	10.979	129	58533	14.429	ug/l #	11
64) Tetrachloroethene	10.979	164	59833	15.536	ug/l	92
68) m/p-Xylenes	11.956	106	366	4.103	ug/l #	60
70) Styrene	12.299	104	231	2.647	ug/l #	22
71) Bromoform	12.720	173	311	4.114	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	125814	35.954	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	125814	96.172	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.270	180	639	2.707	ug/l #	66
95) Naphthalene	15.509	128	3713	3.599	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.702	180	661	2.630	ug/l	78

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

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Operator : JC/MD
Sample : M3147-19
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

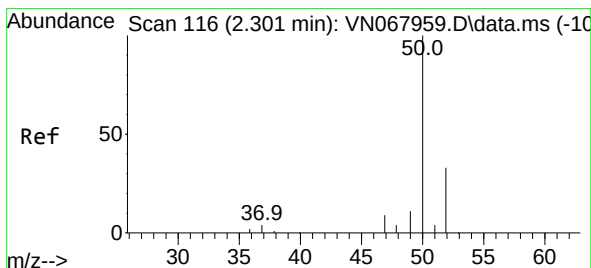
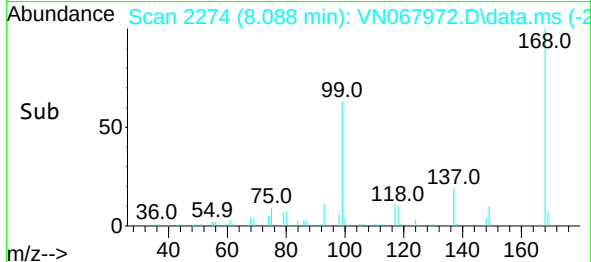
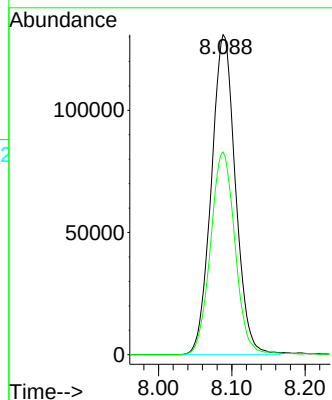
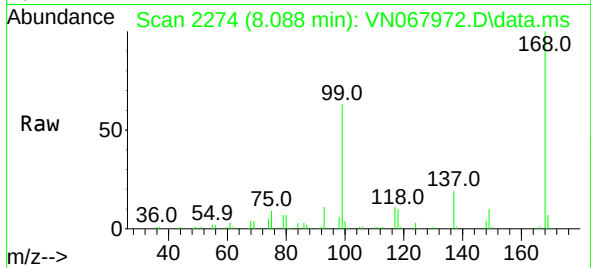
Quant Time: Jul 30 04:45:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





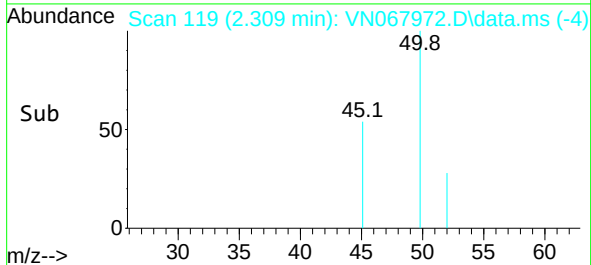
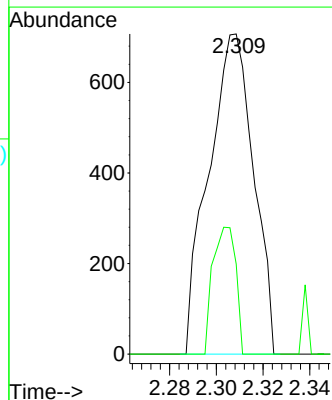
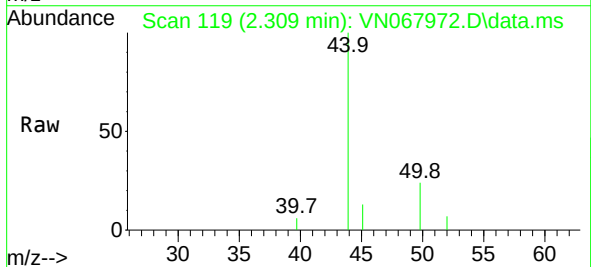
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

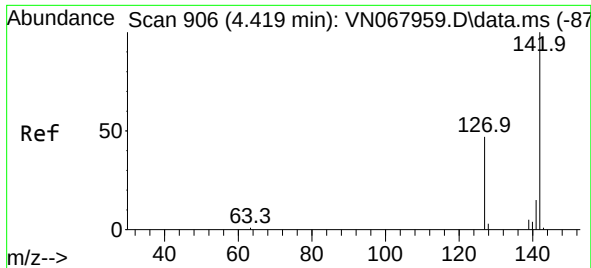
Tgt Ion:168 Resp: 299246
Ion Ratio Lower Upper
168 100
99 63.4 62.9 94.3



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

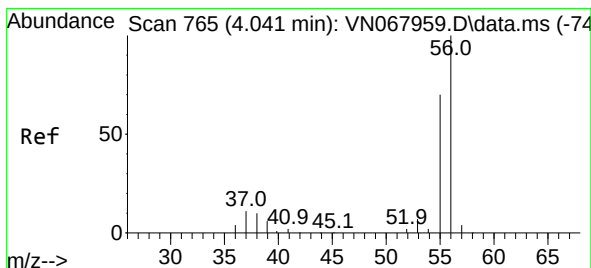
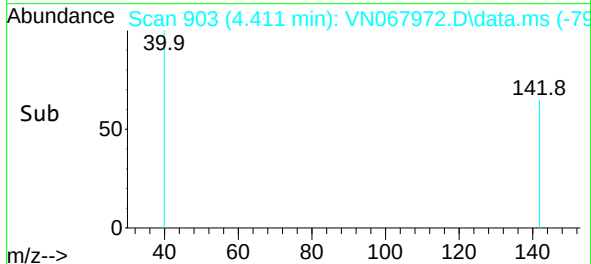
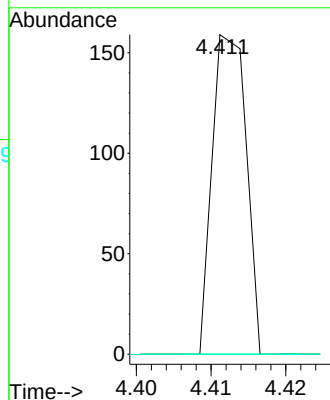
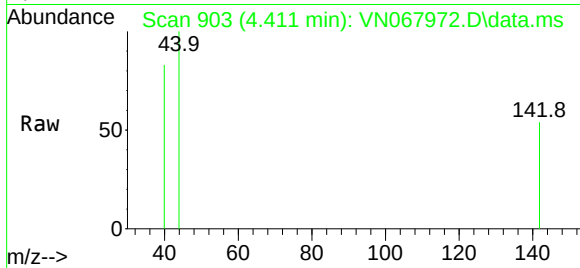
Tgt Ion: 50 Resp: 944
Ion Ratio Lower Upper
50 100
52 28.1 25.6 38.4





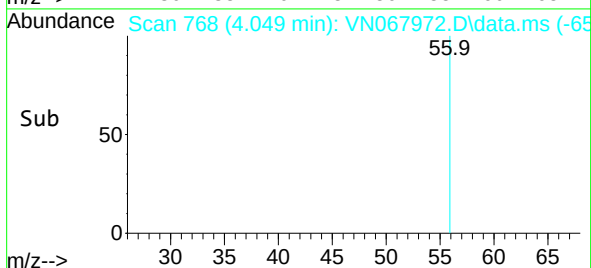
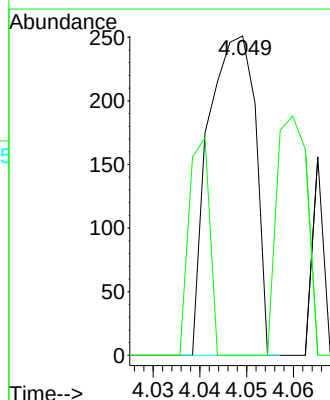
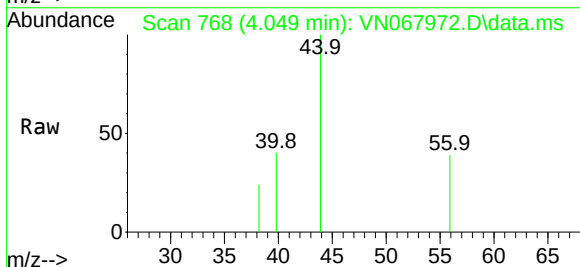
#10
Methyl Iodide
Concen: 3.133 ug/l
RT: 4.411 min Scan# 903
Delta R.T. -0.008 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

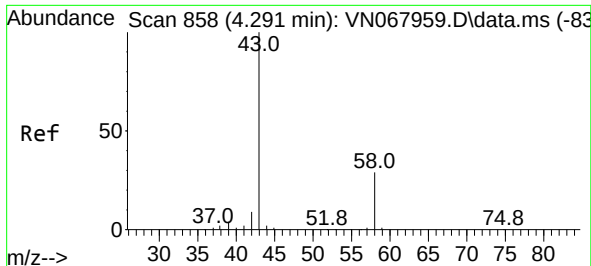
Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.454 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

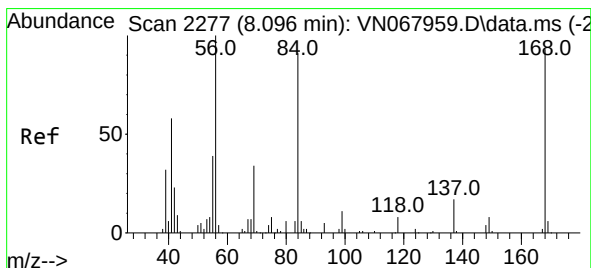
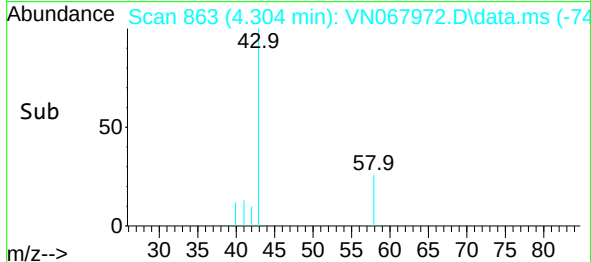
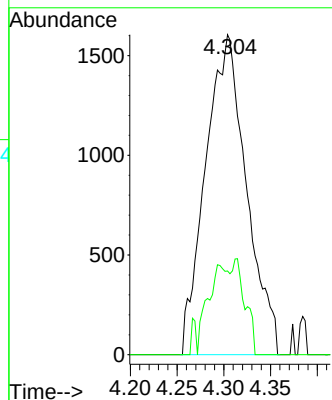
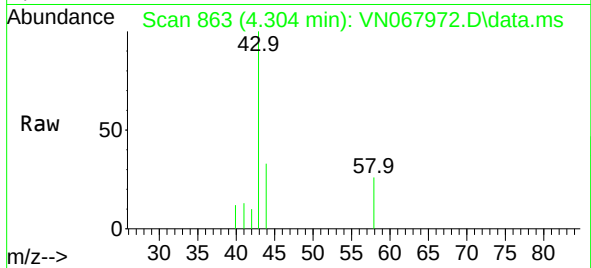
Tgt Ion: 56 Resp: 175
Ion Ratio Lower Upper
56 100
55 30.3 57.4 86.0#





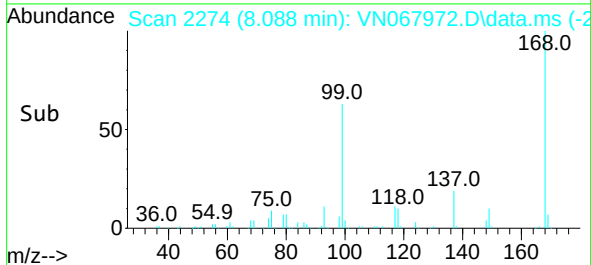
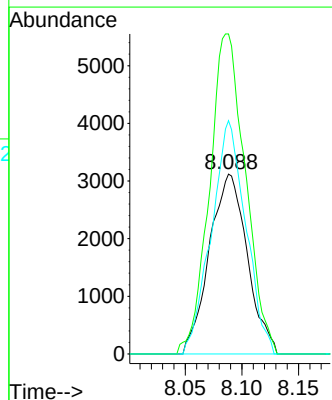
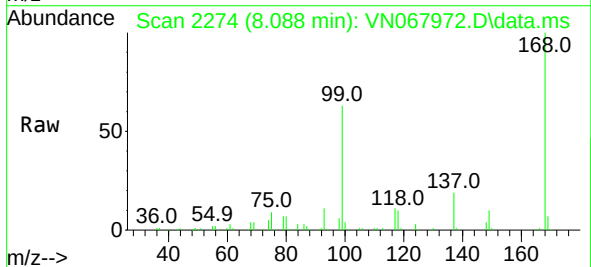
#16
Acetone
Concen: 3.162 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

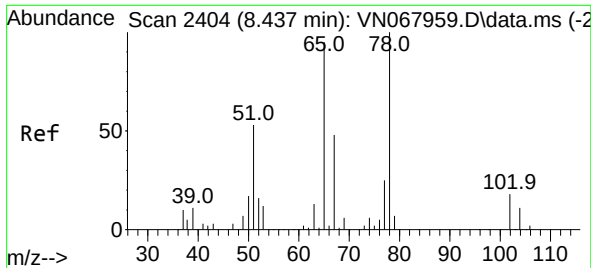
Tgt Ion: 43 Resp: 4888
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

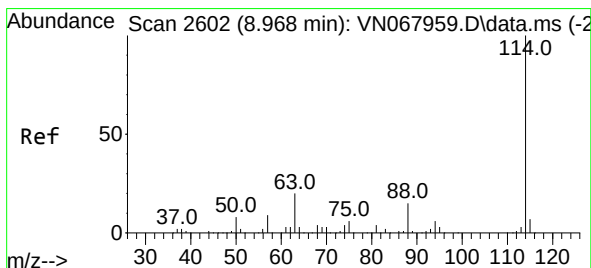
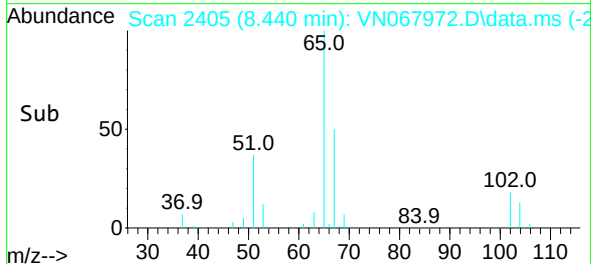
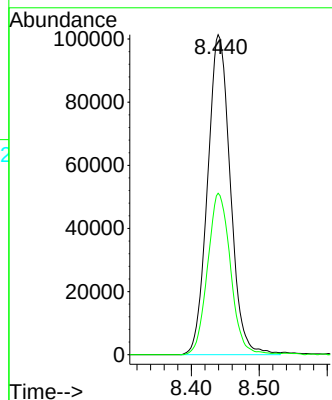
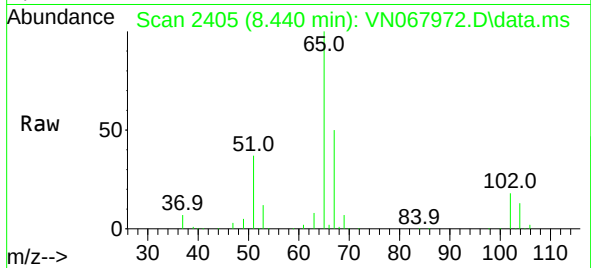
Tgt Ion: 56 Resp: 7248
Ion Ratio Lower Upper
56 100
69 178.0 27.3 40.9#
84 129.8 64.9 97.3#





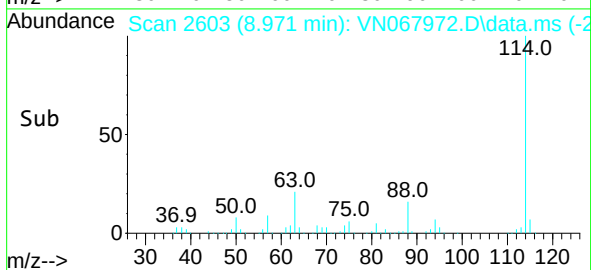
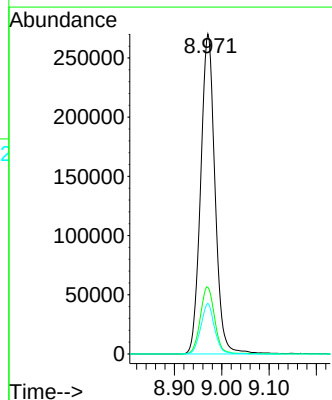
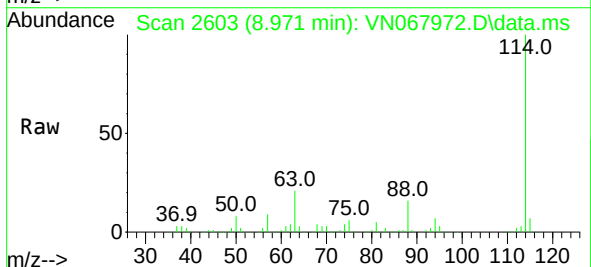
#33
 1,2-Dichloroethane-d4
 Concen: 55.680 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067972.D
 Acq: 29 Jul 2021 18:41

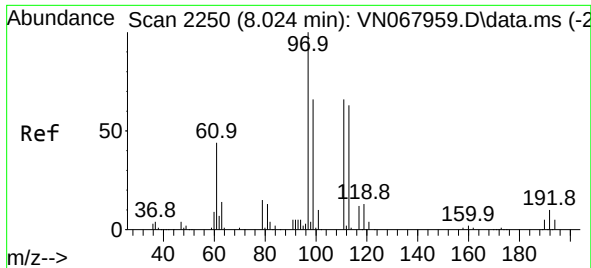
Tgt Ion: 65 Resp: 235881
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067972.D
 Acq: 29 Jul 2021 18:41

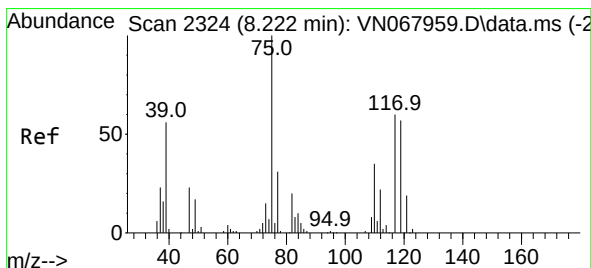
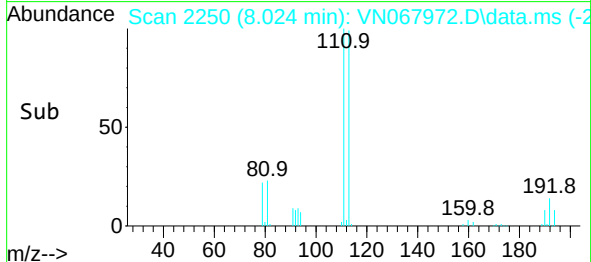
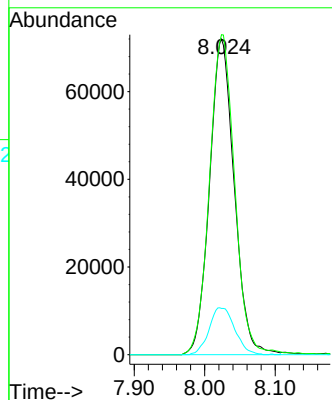
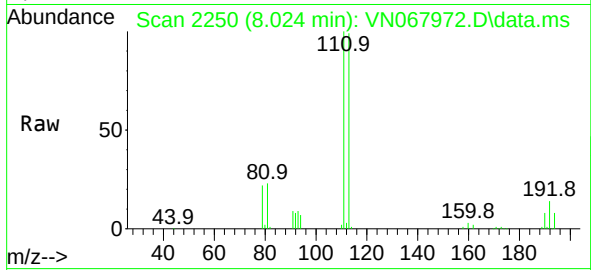
Tgt Ion: 114 Resp: 570265
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 49.0
 88 15.8 0.0 36.6





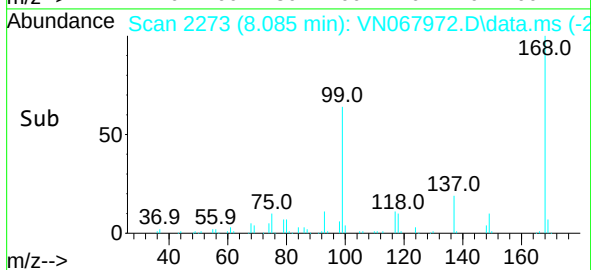
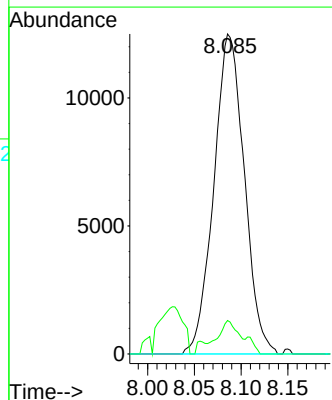
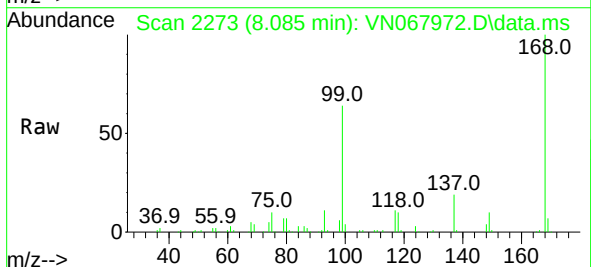
#35
Dibromofluoromethane
Concen: 52.634 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

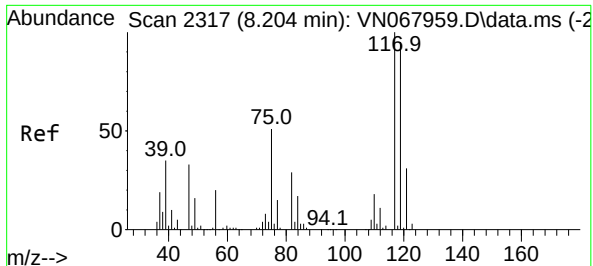
Tgt Ion:	113	Resp:	174925
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.8	125.8
192	15.5	13.4	20.0



#36
1,1-Dichloropropene
Concen: 5.375 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

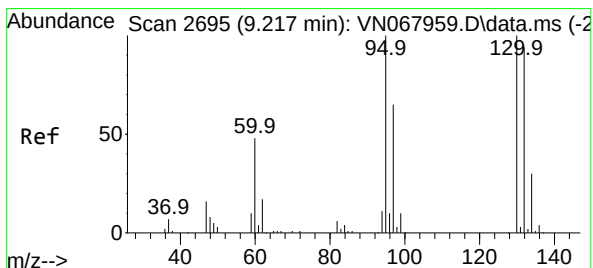
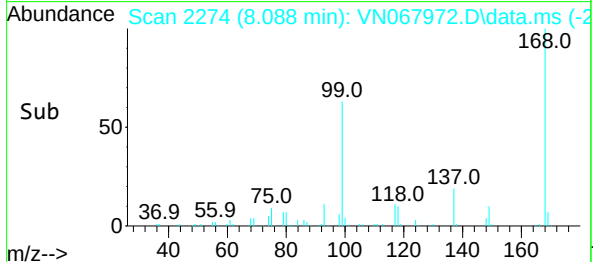
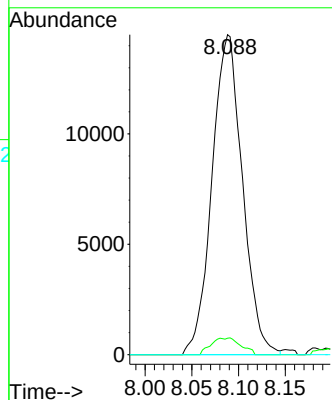
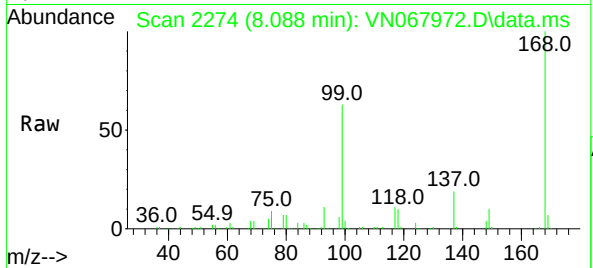
Tgt Ion:	75	Resp:	28353
Ion	Ratio	Lower	Upper
75	100		
110	3.7	15.7	47.0#
77	0.0	24.6	37.0#





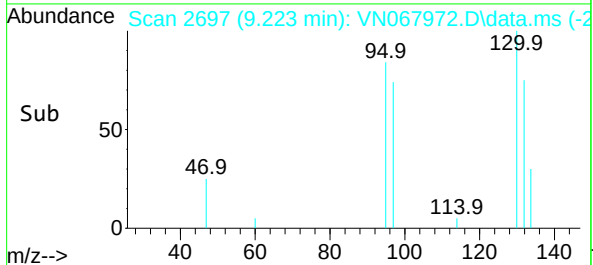
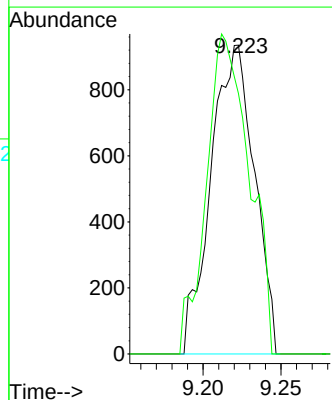
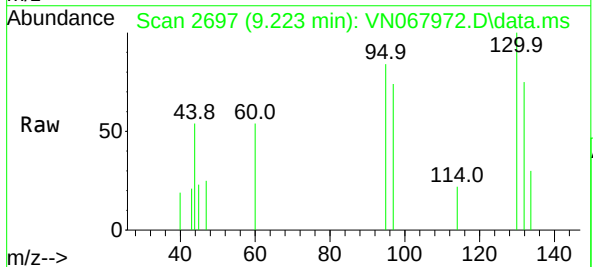
#38
Carbon Tetrachloride
Concen: 6.332 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

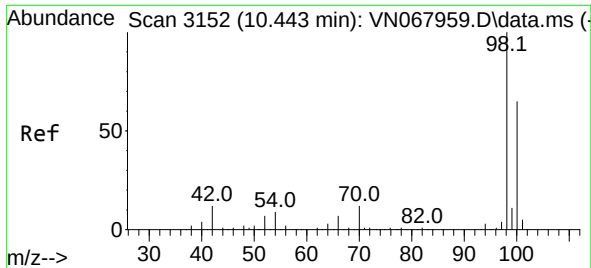
Tgt Ion:117 Resp: 32849
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#



#44
Trichloroethene
Concen: 0.460 ug/l
RT: 9.223 min Scan# 2697
Delta R.T. 0.006 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

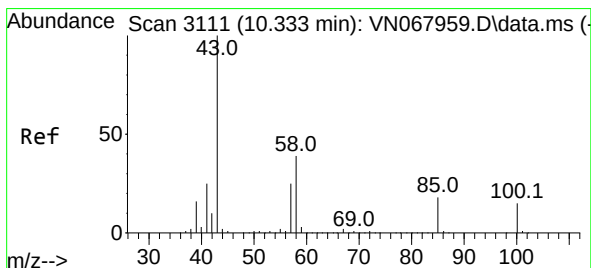
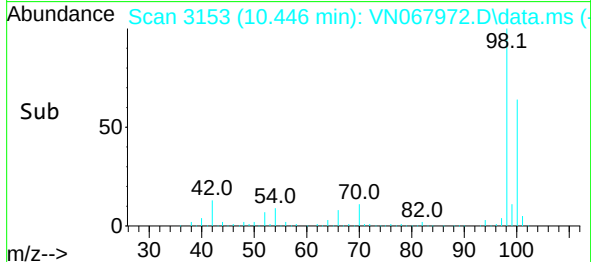
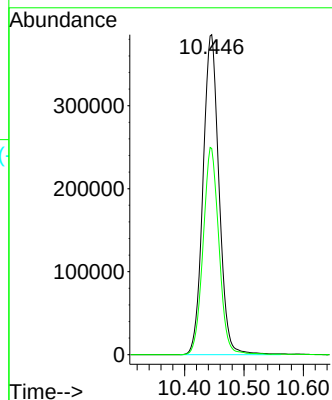
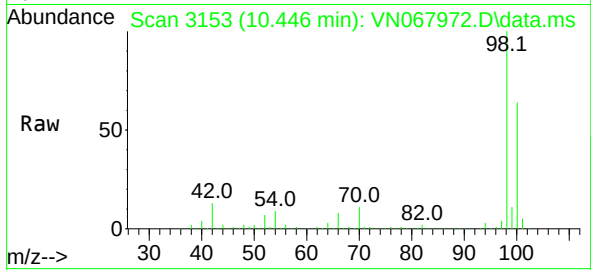
Tgt Ion:130 Resp: 1816
Ion Ratio Lower Upper
130 100
95 84.4 0.0 234.4





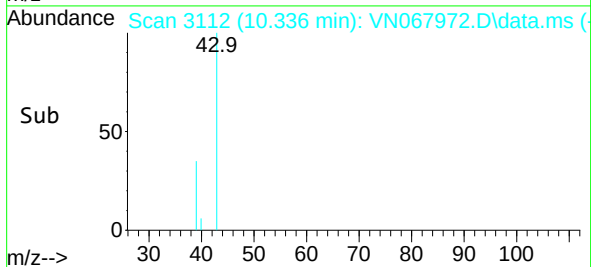
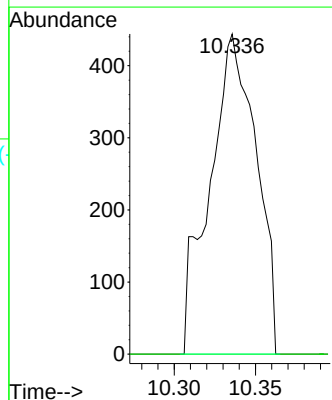
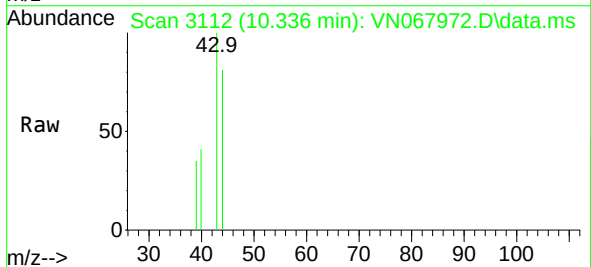
#50
Toluene-d8
Concen: 47.303 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

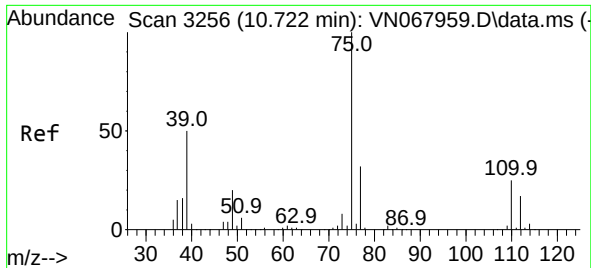
Tgt Ion: 98 Resp: 722065
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.706 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

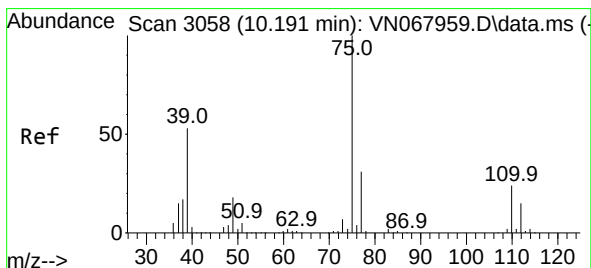
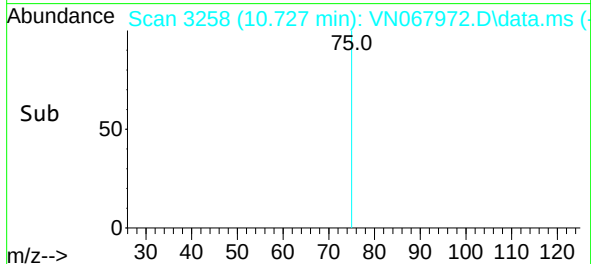
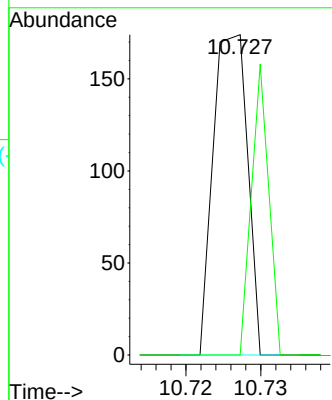
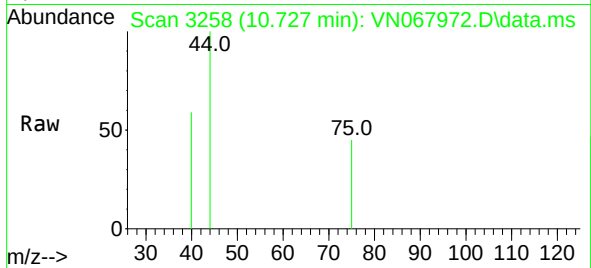
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#





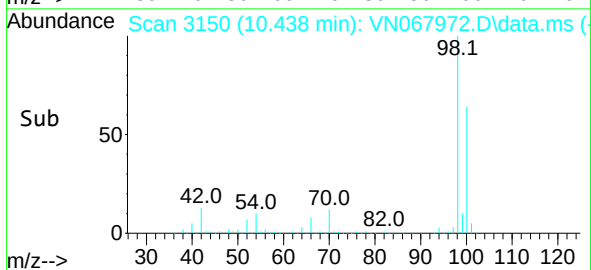
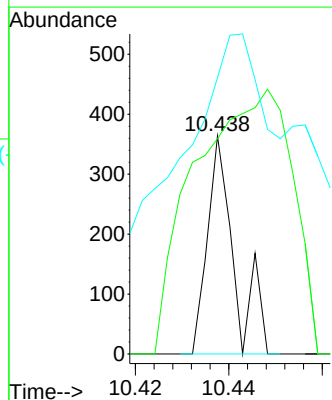
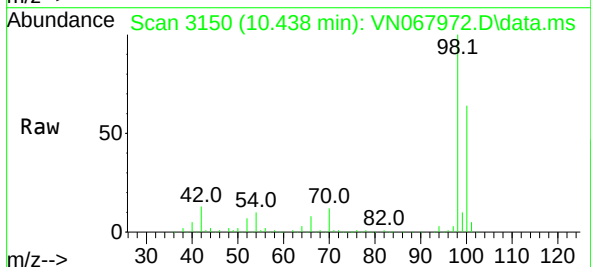
#53
t-1,3-Dichloropropene
Concen: 2.841 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.005 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

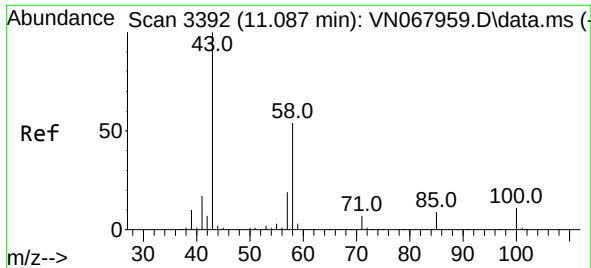
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.375 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

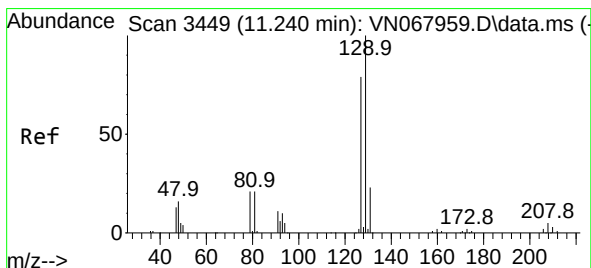
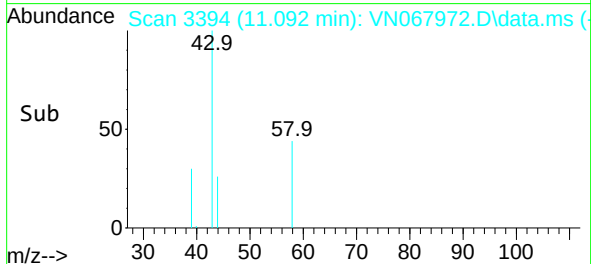
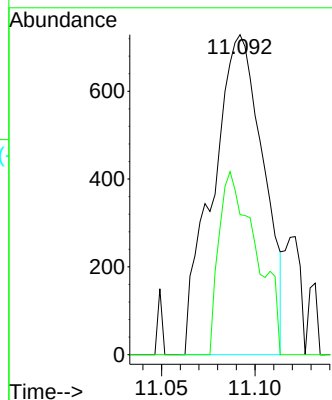
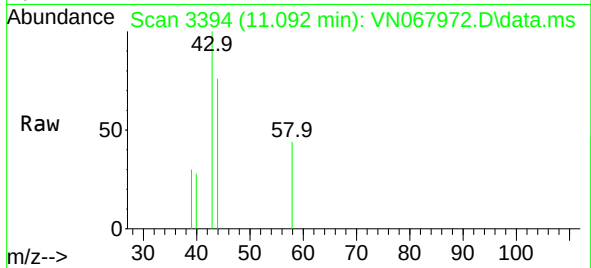
Tgt Ion: 75 Resp: 145
Ion Ratio Lower Upper
75 100
77 25.5 24.6 37.0
39 36.8 50.7 76.1#





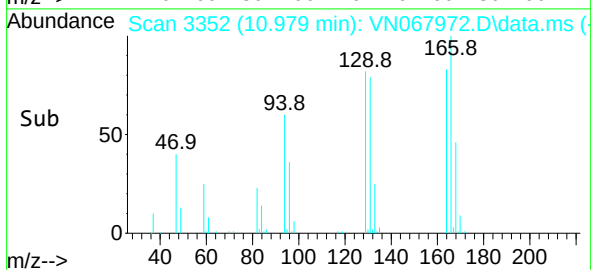
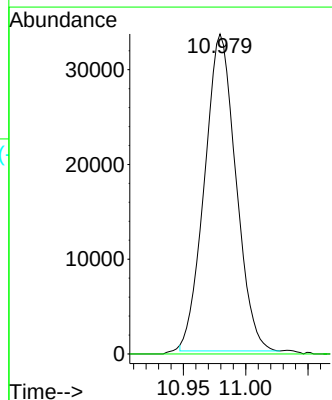
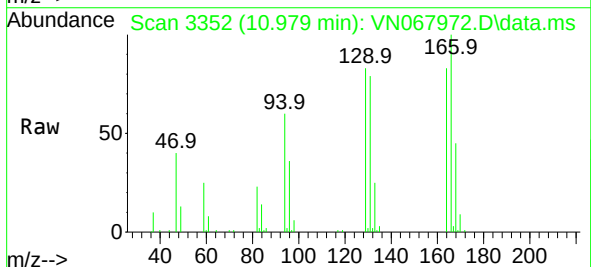
#59
2-Hexanone
Concen: 13.592 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

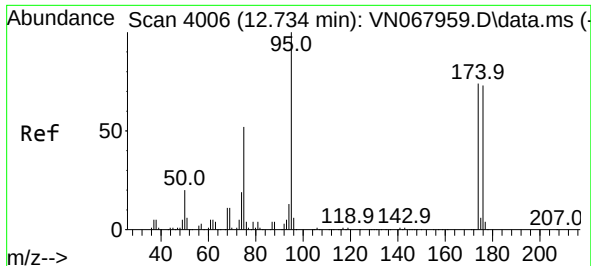
Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 41.8 24.7 74.1



#60
Dibromochloromethane
Concen: 14.429 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

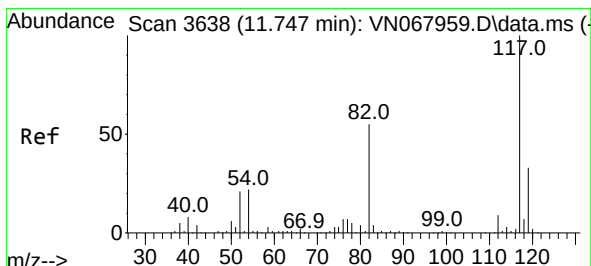
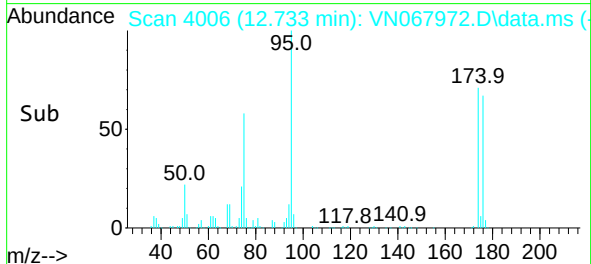
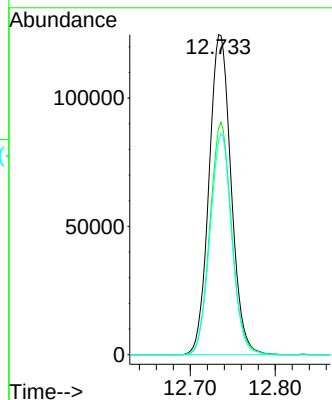
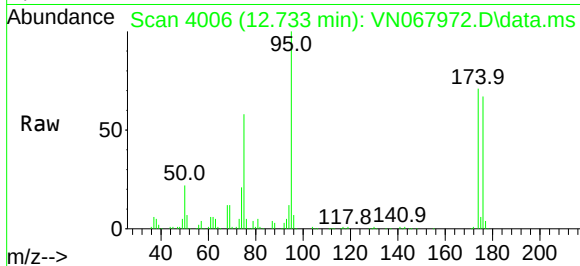
Tgt Ion: 129 Resp: 58533
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





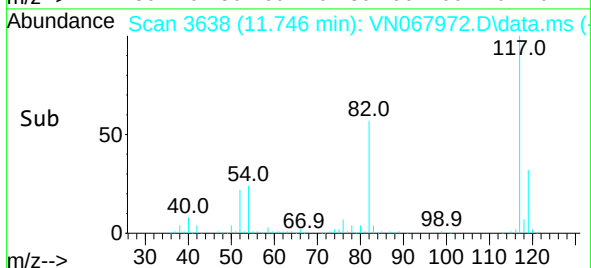
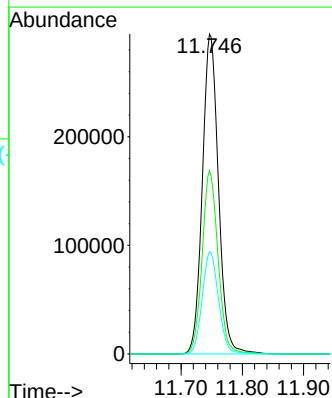
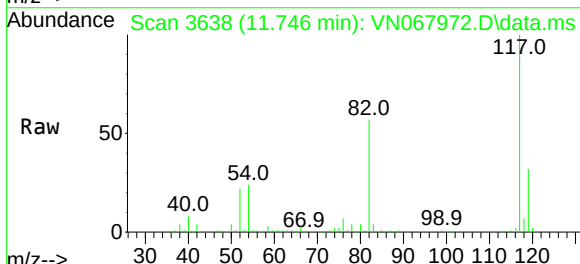
#62
4-Bromofluorobenzene
Concen: 41.111 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

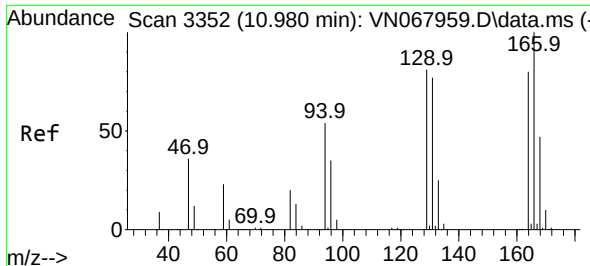
Tgt Ion: 95 Resp: 225283
Ion Ratio Lower Upper
95 100
174 71.5 0.0 122.0
176 68.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

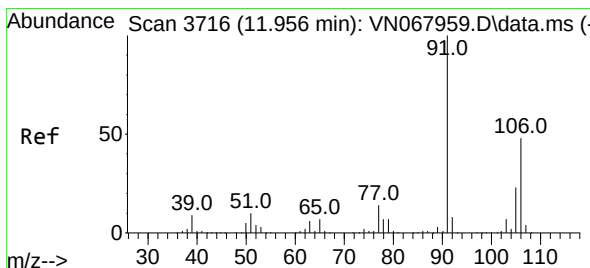
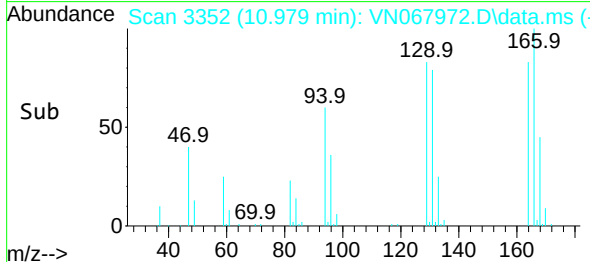
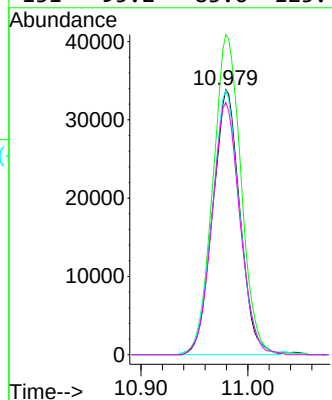
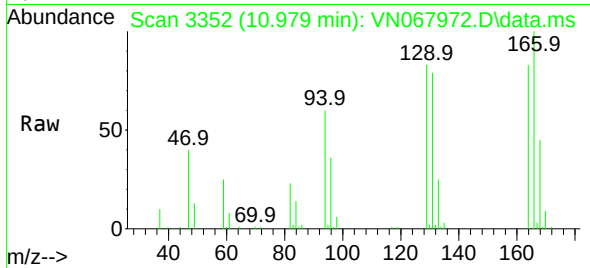
Tgt Ion: 117 Resp: 537743
Ion Ratio Lower Upper
117 100
82 57.3 53.1 79.7
119 31.9 25.5 38.3





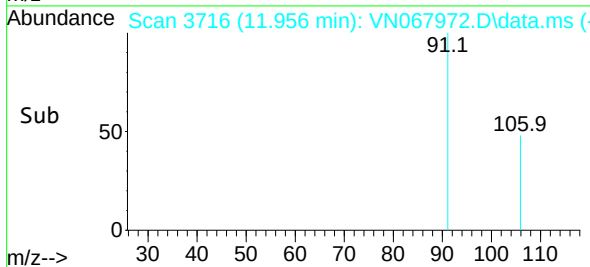
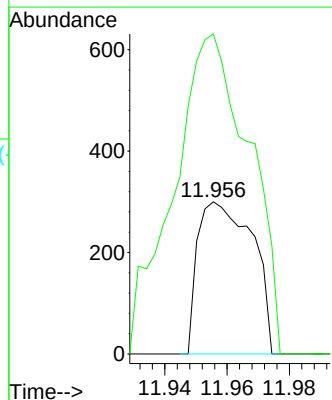
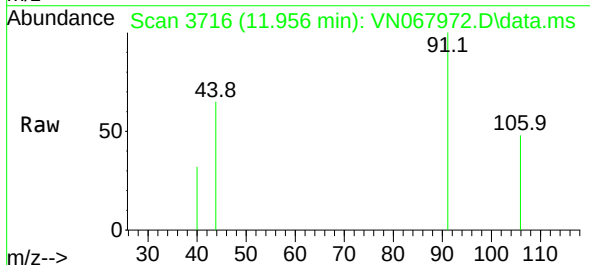
#64
Tetrachloroethene
Concen: 15.536 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.001 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

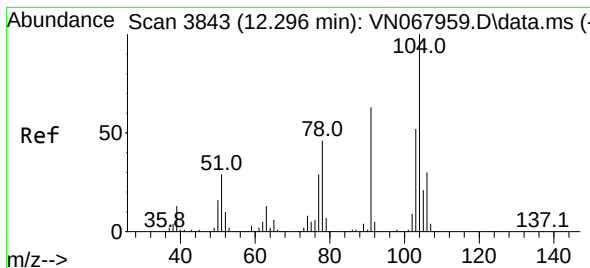
Tgt Ion:164	Resp:	59833
Ion Ratio	Lower	Upper
164	100	
166	120.7	102.1 153.1
129	99.2	86.9 130.3
131	95.2	83.6 125.4



#68
m/p-Xylenes
Concen: 4.103 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

Tgt Ion:106	Resp:	366
Ion Ratio	Lower	Upper
106	100	
91	291.3	180.6 270.8#





#70

Styrene

Concen: 2.647 ug/l

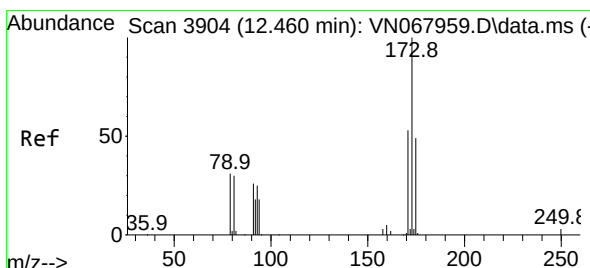
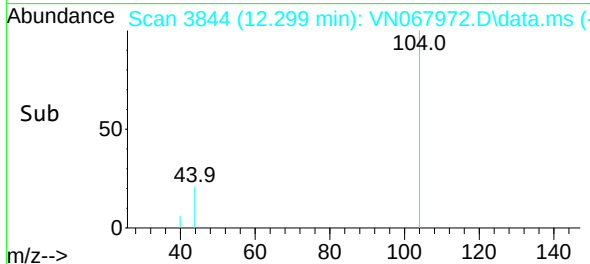
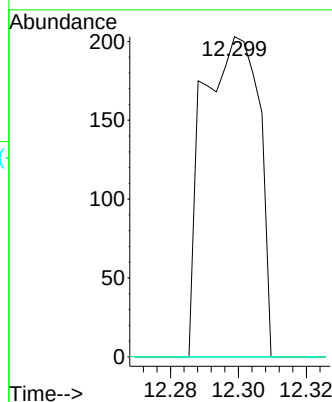
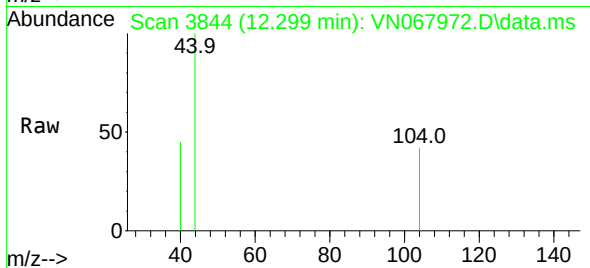
RT: 12.299 min Scan# 3844

Delta R.T. 0.003 min

Lab File: VN067972.D

Acq: 29 Jul 2021 18:41

Tgt Ion:104	Resp:	231
Ion Ratio	Lower	Upper
104	100	
78	0.0	48.2 72.2#
103	0.0	44.5 66.7#



#71

Bromoform

Concen: 4.114 ug/l

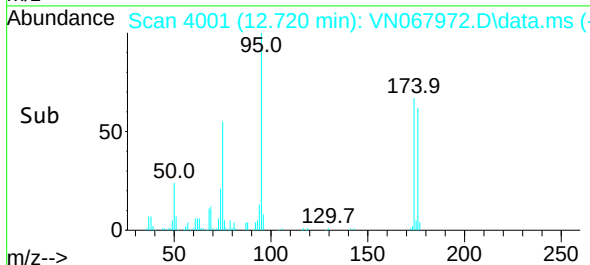
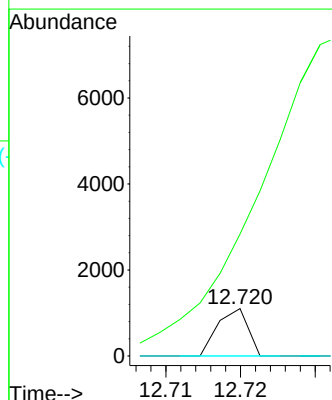
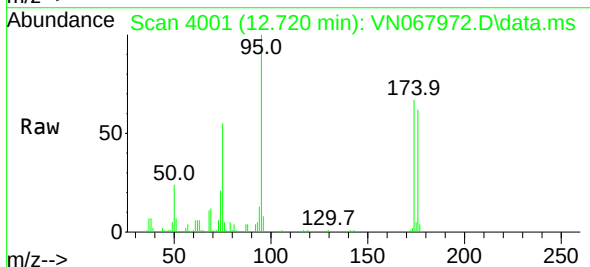
RT: 12.720 min Scan# 4001

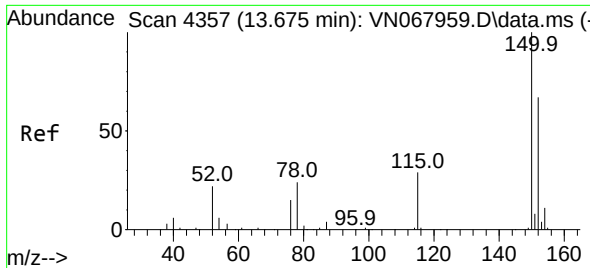
Delta R.T. 0.260 min

Lab File: VN067972.D

Acq: 29 Jul 2021 18:41

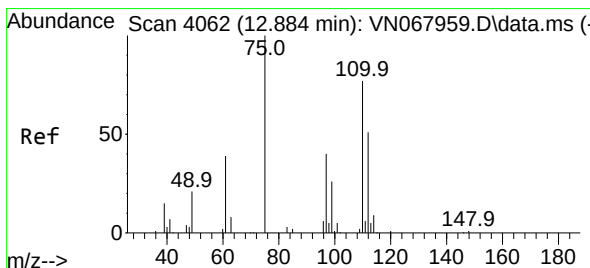
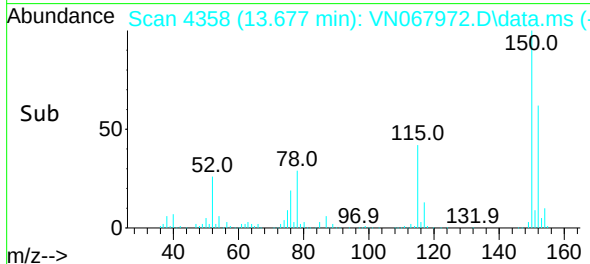
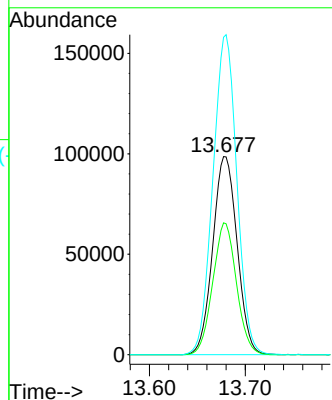
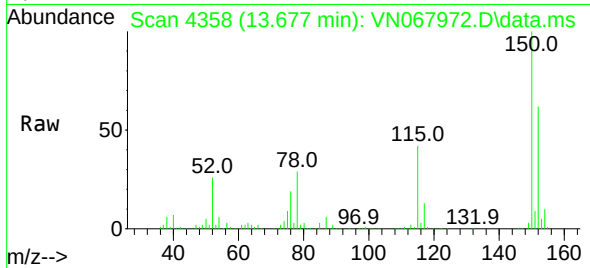
Tgt Ion:173	Resp:	311
Ion Ratio	Lower	Upper
173	100	
175	3722.5	23.9 71.8#
254	0.0	0.0 0.0





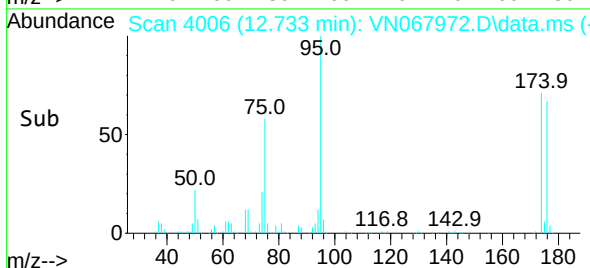
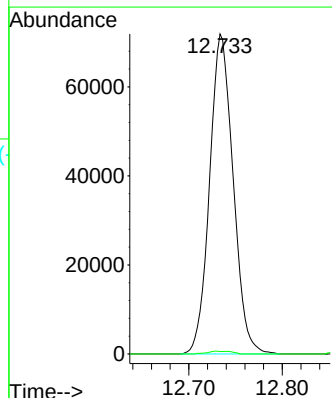
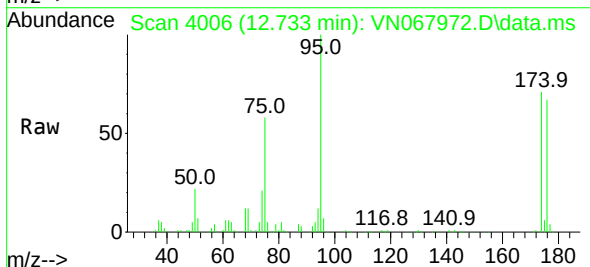
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN067972.D
 Acq: 29 Jul 2021 18:41

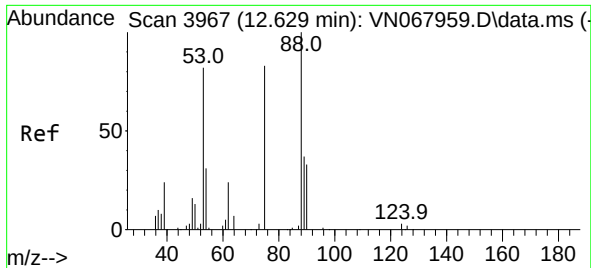
Tgt Ion:152 Resp: 174240
 Ion Ratio Lower Upper
 152 100
 115 64.6 36.1 108.5
 150 158.5 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 35.954 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067972.D
 Acq: 29 Jul 2021 18:41

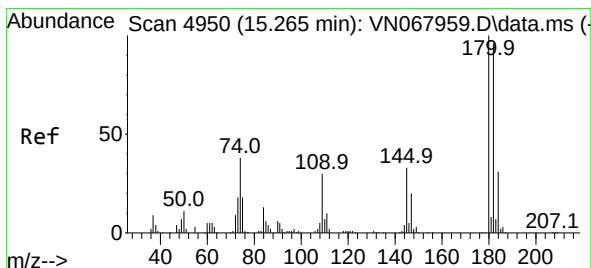
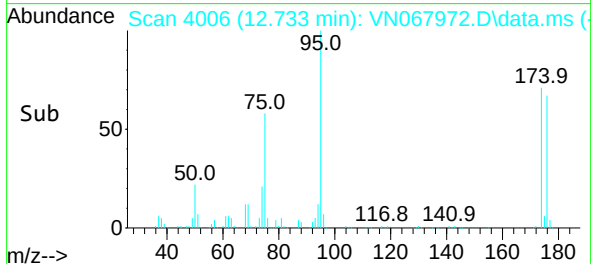
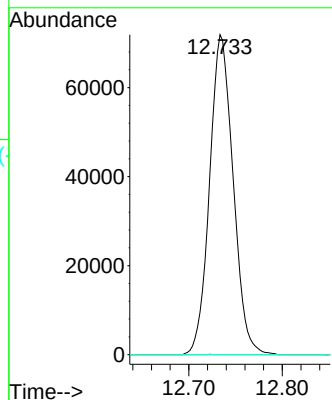
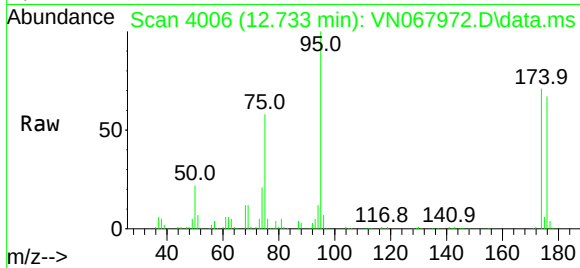
Tgt Ion: 75 Resp: 125814
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#





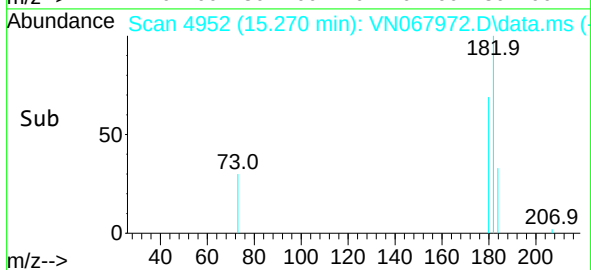
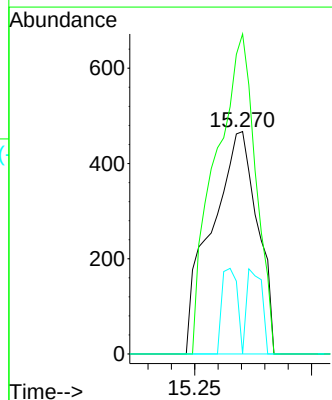
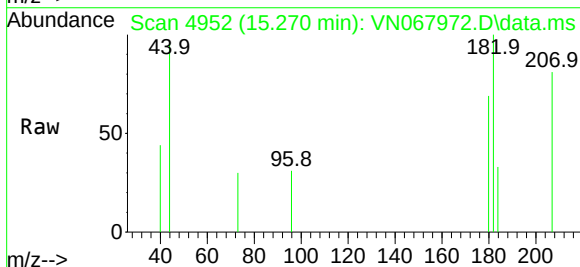
#81
trans-1,4-Dichloro-2-butene
Concen: 96.172 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

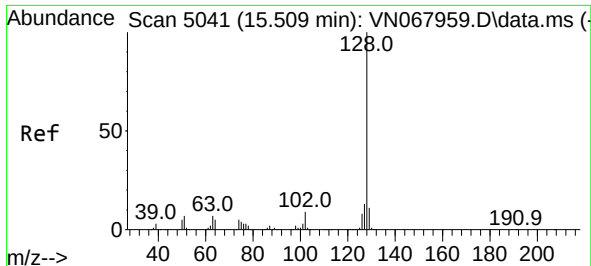
Tgt Ion: 75 Resp: 125814
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.707 ug/l
RT: 15.270 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

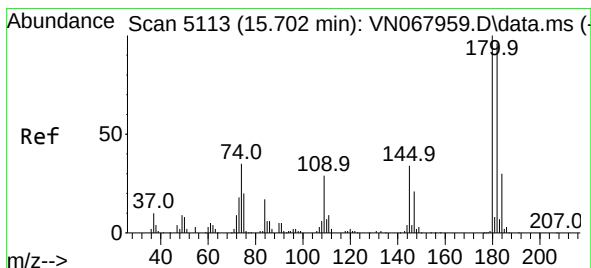
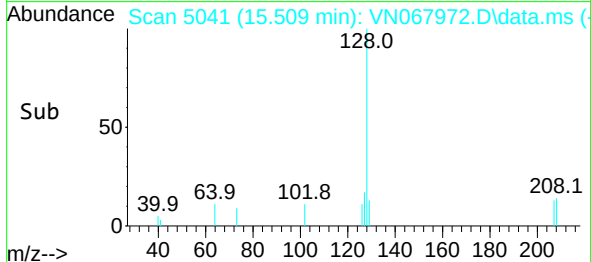
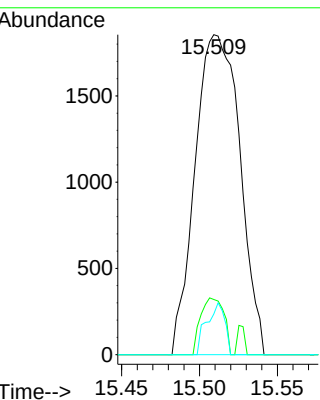
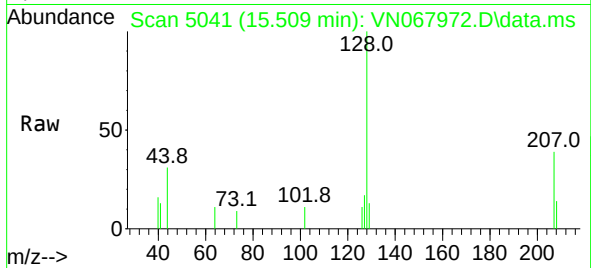
Tgt Ion:180 Resp: 639
Ion Ratio Lower Upper
180 100
182 126.3 47.5 142.5
145 12.5 17.2 51.6#





#95
Naphthalene
Concen: 3.599 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

Tgt Ion:128 Resp: 3713
Ion Ratio Lower Upper
128 100
127 9.2 10.6 15.8#
129 6.5 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.630 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067972.D
Acq: 29 Jul 2021 18:41

Tgt Ion:180 Resp: 661
Ion Ratio Lower Upper
180 100
182 114.1 47.8 143.3
145 19.5 18.2 54.6

