

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067971.D
 Acq On : 29 Jul 2021 18:16
 Operator : JC/MD
 Sample : M3147-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 30 04:45:10 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

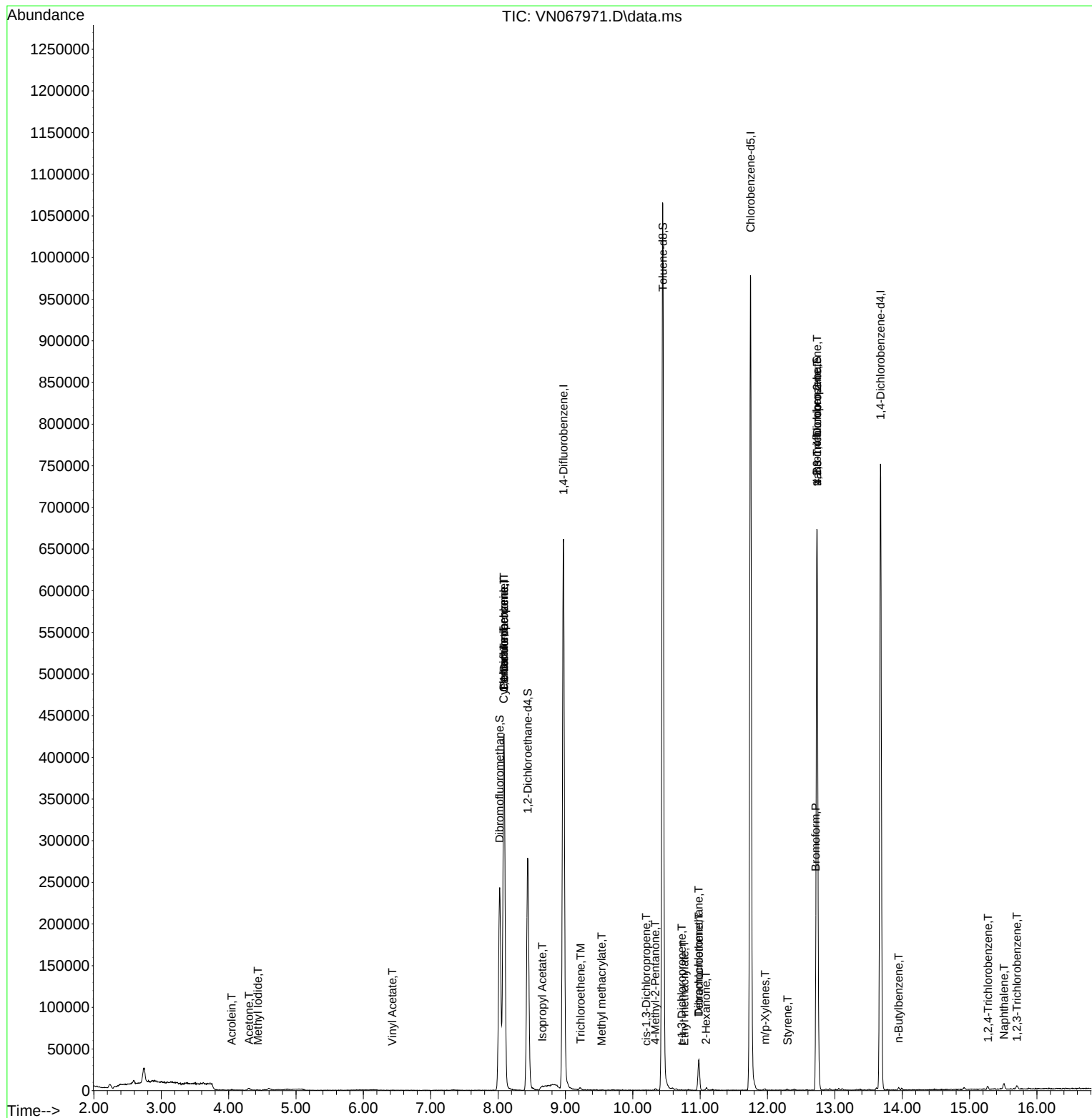
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

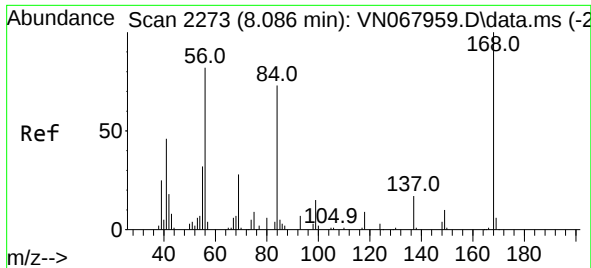
Internal Standards						
1) Pentafluorobenzene	8.088	168	304720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	587419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	569402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	192308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	237854	55.137	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	110.280%
35) Dibromofluoromethane	8.024	113	176293	51.497	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.000%
50) Toluene-d8	10.446	98	747608	47.526	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.733	95	237909	42.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	84.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.433	142	525	3.241	ug/l #	51
13) Acrolein	4.044	56	210	0.535	ug/l #	72
16) Acetone	4.301	43	3423	2.175	ug/l #	89
20) Methylene Chloride	5.103	84	129	Below Cal	#	20
23) Vinyl Acetate	6.431	43	83	8.808	ug/l #	75
31) Cyclohexane	8.083	56	8243	1.295	ug/l #	26
36) 1,1-Dichloropropene	8.086	75	27277	5.020	ug/l #	49
38) Carbon Tetrachloride	8.086	117	34992	6.548	ug/l #	16
43) Isopropyl Acetate	8.657	43	3173	0.372	ug/l #	58
44) Trichloroethene	9.225	130	852	0.209	ug/l	65
48) Methyl methacrylate	9.539	41	27	2.311	ug/l #	12
51) 4-Methyl-2-Pentanone	10.333	43	1250	12.758	ug/l	94
53) t-1,3-Dichloropropene	10.727	75	176	2.857	ug/l #	43
54) cis-1,3-Dichloropropene	10.199	75	56	2.362	ug/l #	27
56) Ethyl methacrylate	10.765	69	118	3.114	ug/l #	47
59) 2-Hexanone	11.087	43	2405	13.803	ug/l	92
60) Dibromochloromethane	10.977	129	7879	4.756	ug/l #	11
64) Tetrachloroethene	10.982	164	7709	1.890	ug/l	92
68) m/p-Xylenes	11.966	106	496	4.115	ug/l #	53
70) Styrene	12.299	104	510	2.664	ug/l #	46
71) Bromoform	12.717	173	276	4.101	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	134700	34.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	134700	93.399	ug/l #	6
89) n-Butylbenzene	13.946	91	2173	0.215	ug/l	73
93) 1,2,4-Trichlorobenzene	15.273	180	1358	2.929	ug/l	96
95) Naphthalene	15.509	128	7346	3.979	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.702	180	1503	2.909	ug/l #	50

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

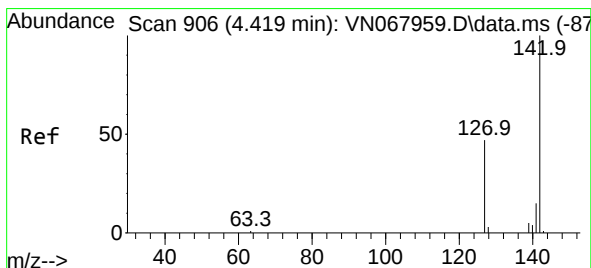
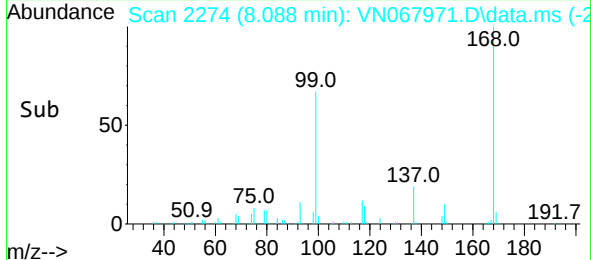
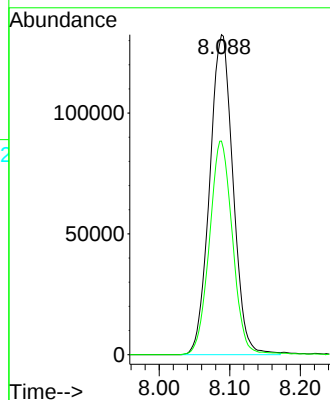
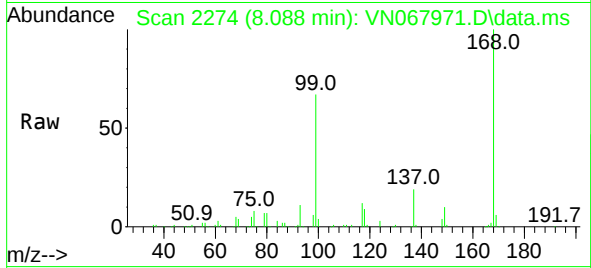
Quant Time: Jul 30 04:45:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
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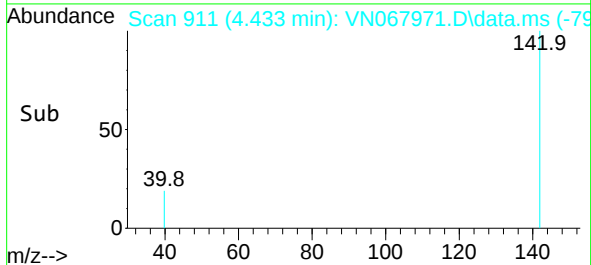
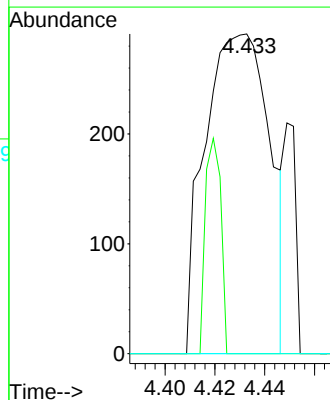
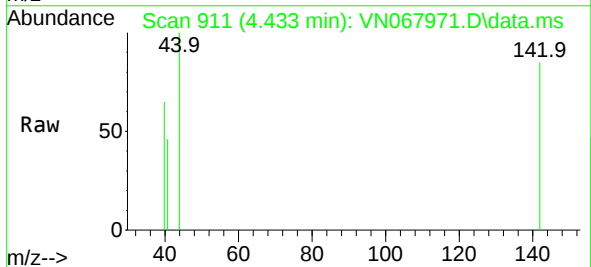
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

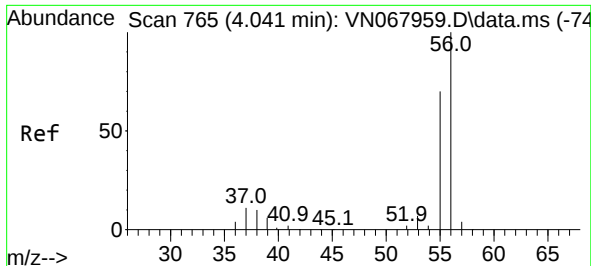
Tgt Ion:168 Resp: 304720
Ion Ratio Lower Upper
168 100
99 66.7 62.9 94.3



#10
Methyl Iodide
Concen: 3.241 ug/l
RT: 4.433 min Scan# 911
Delta R.T. 0.014 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

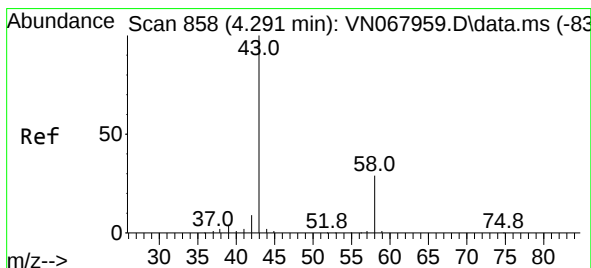
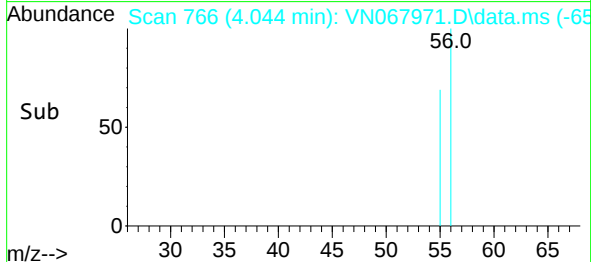
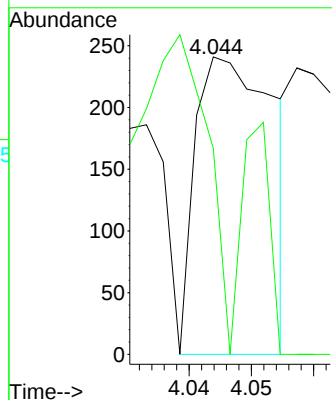
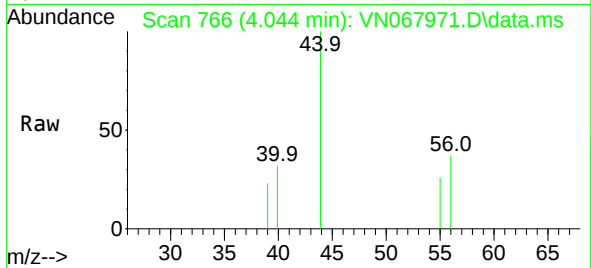
Tgt Ion:142 Resp: 525
Ion Ratio Lower Upper
142 100
127 16.0 43.1 64.7#
141 0.0 11.4 17.0#





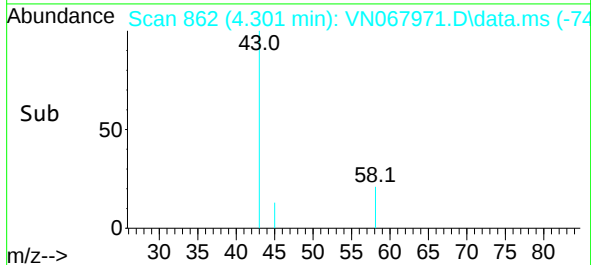
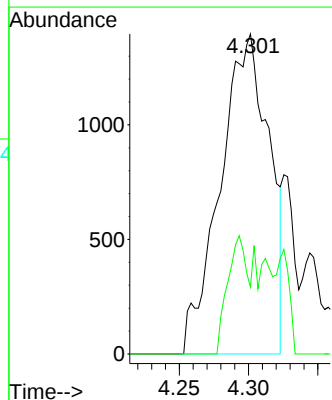
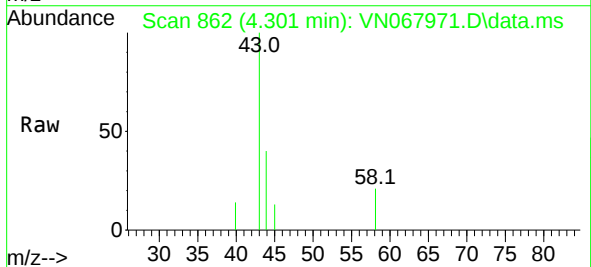
#13
Acrolein
Concen: 0.535 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

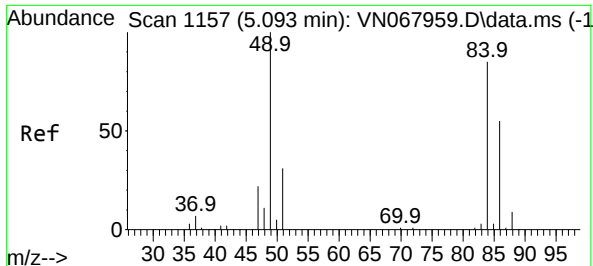
Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 95.2 57.4 86.0#



#16
Acetone
Concen: 2.175 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

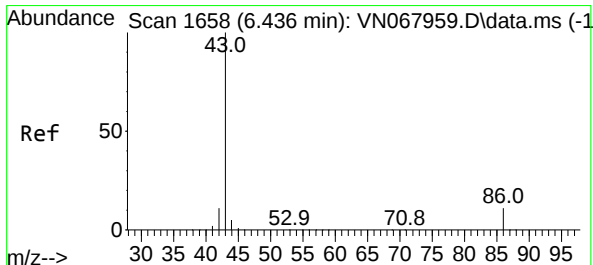
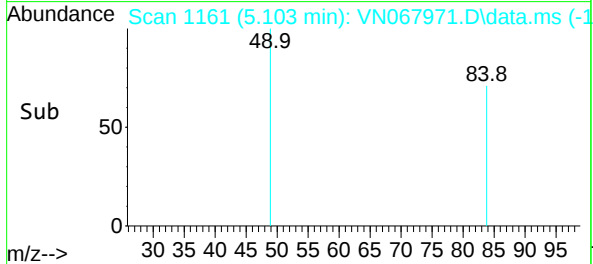
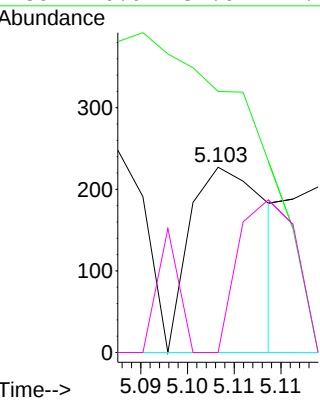
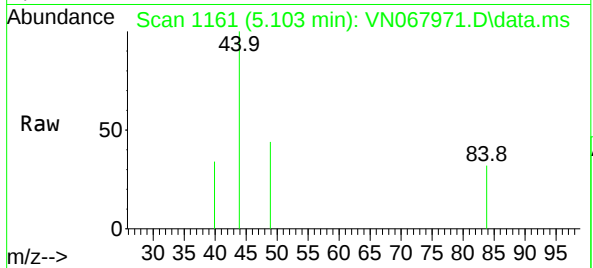
Tgt Ion: 43 Resp: 3423
Ion Ratio Lower Upper
43 100
58 20.9 21.2 31.8#





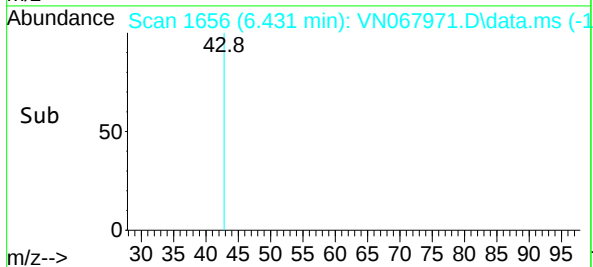
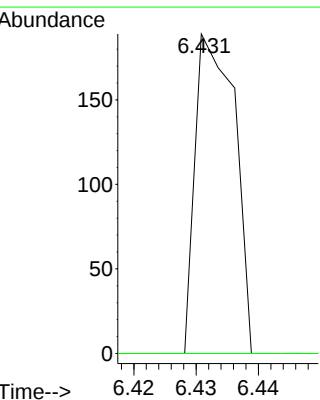
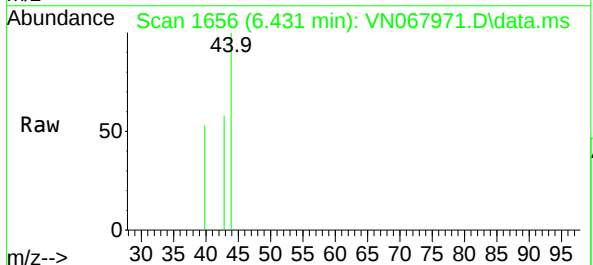
#20
Methylene Chloride
Concen: Below Cal
RT: 5.103 min Scan# 1161
Delta R.T. 0.010 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

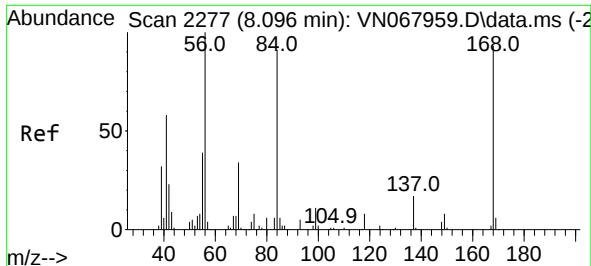
Tgt Ion: 84	Resp:	129
Ion Ratio	Lower	Upper
84	100	
49	37.4	110.9 166.3#
51	0.0	32.6 49.0#
86	0.0	51.6 77.4#



#23
Vinyl Acetate
Concen: 8.808 ug/l
RT: 6.431 min Scan# 1656
Delta R.T. -0.005 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

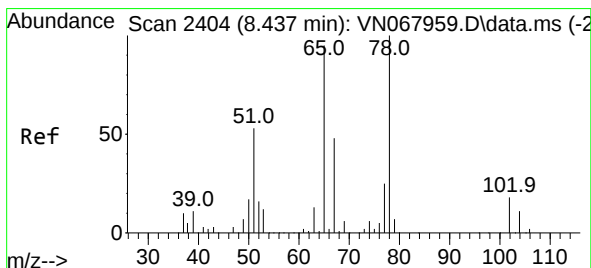
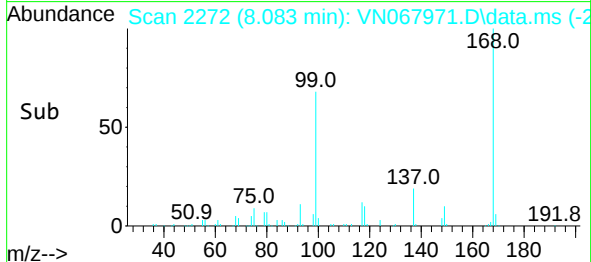
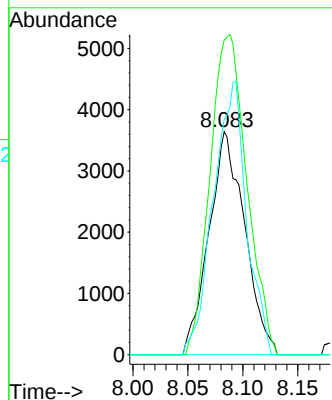
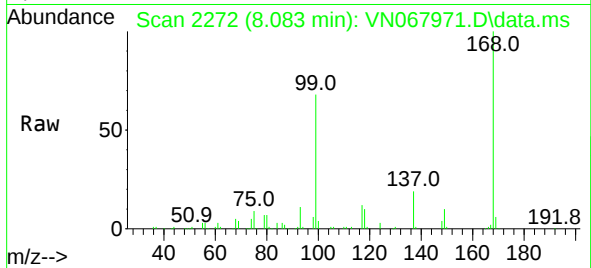
Tgt Ion: 43	Resp:	83
Ion Ratio	Lower	Upper
43	100	
86	0.0	7.3 10.9#





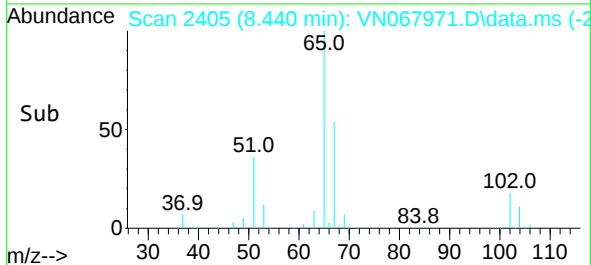
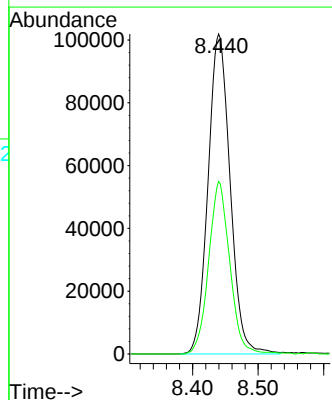
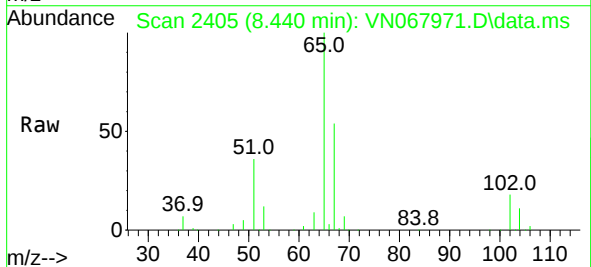
#31
Cyclohexane
Concen: 1.295 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

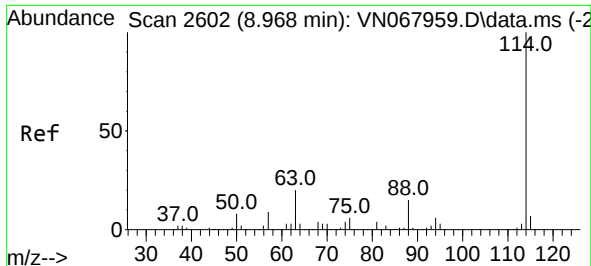
Tgt Ion: 56 Resp: 8243
Ion Ratio Lower Upper
56 100
69 141.0 27.3 40.9#
84 105.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.137 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

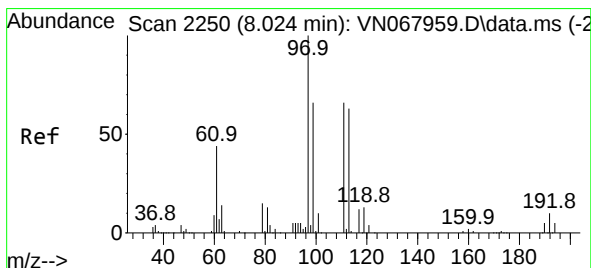
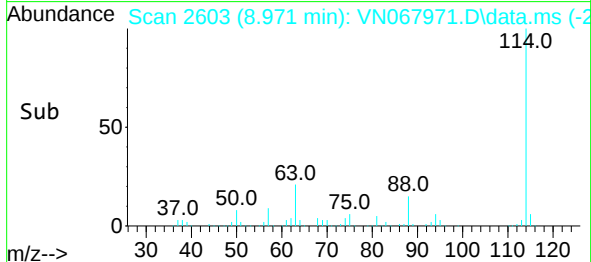
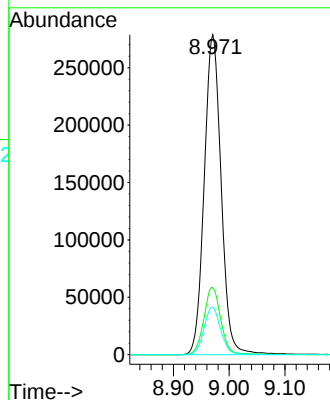
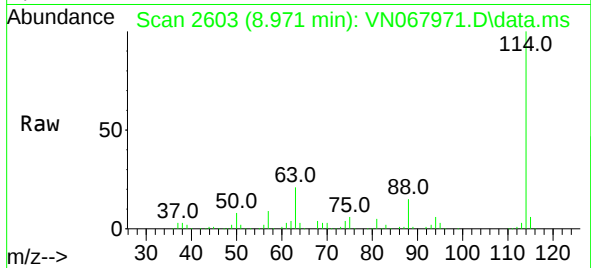
Tgt Ion: 65 Resp: 237854
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6





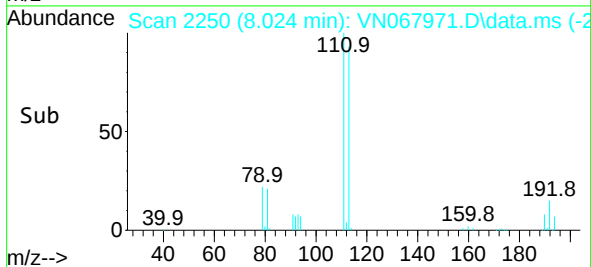
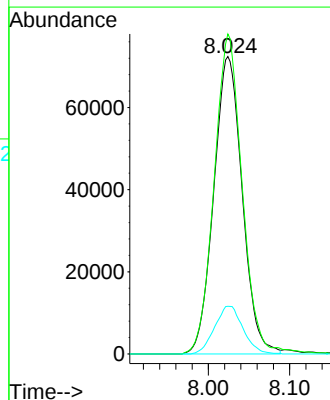
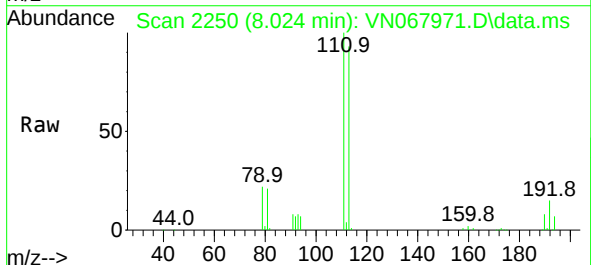
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

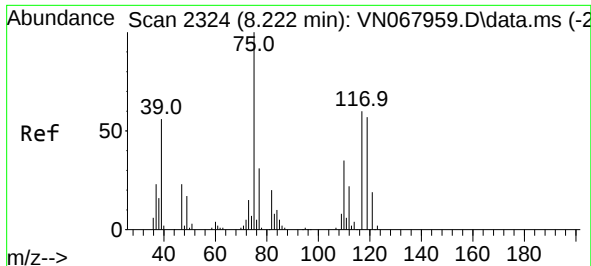
Tgt Ion:114 Resp: 587419
Ion Ratio Lower Upper
114 100
63 21.0 0.0 49.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.497 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

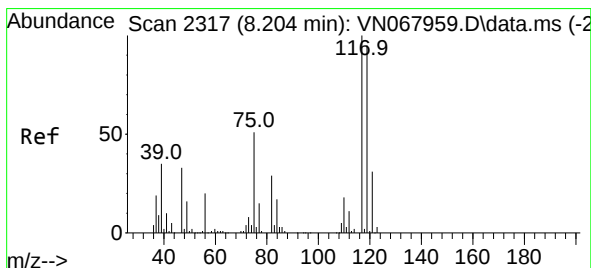
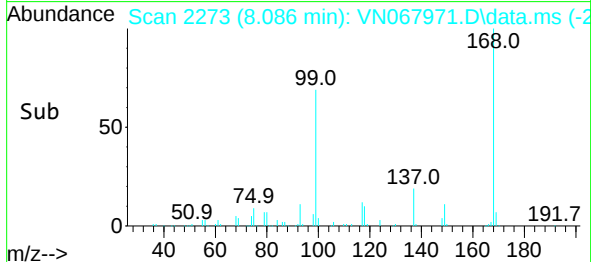
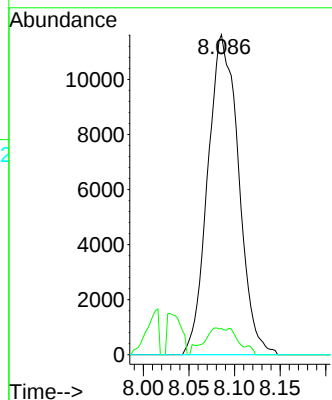
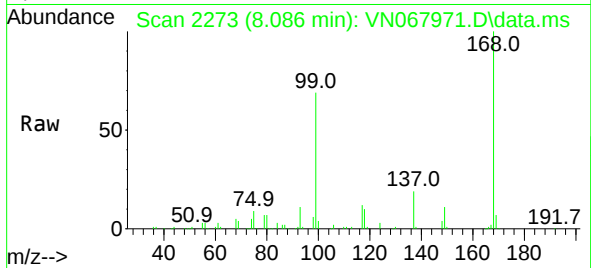
Tgt Ion:113 Resp: 176293
Ion Ratio Lower Upper
113 100
111 105.9 83.8 125.8
192 16.1 13.4 20.0





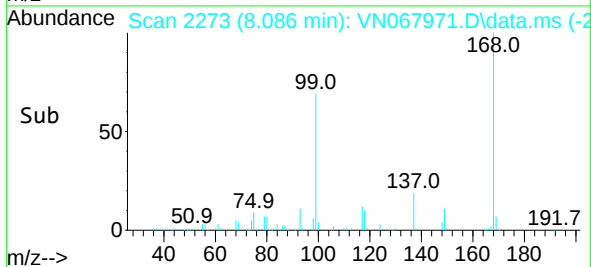
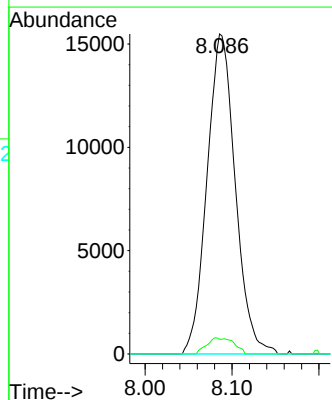
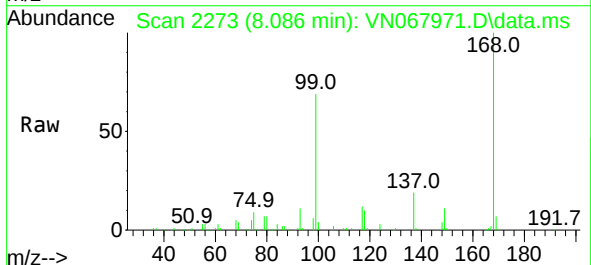
#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

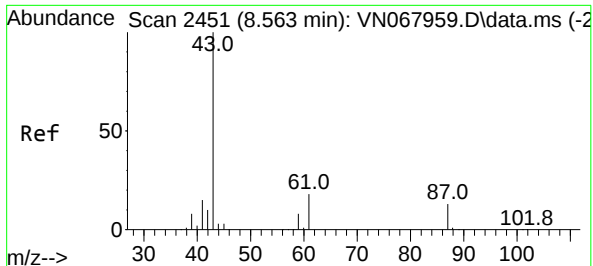
Tgt Ion: 75 Resp: 27277
Ion Ratio Lower Upper
75 100
110 5.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.548 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

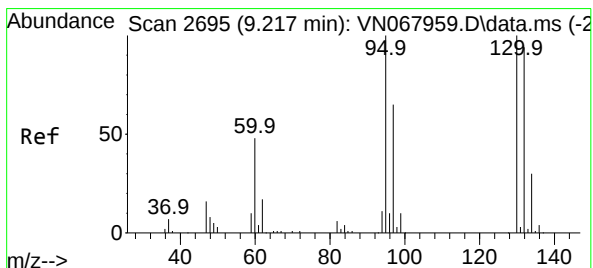
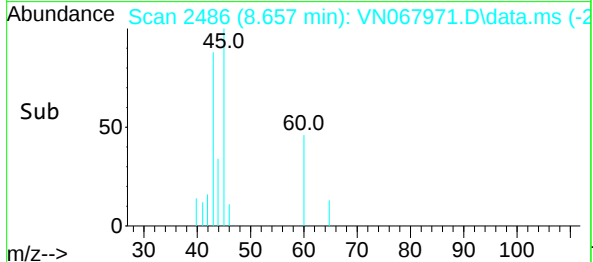
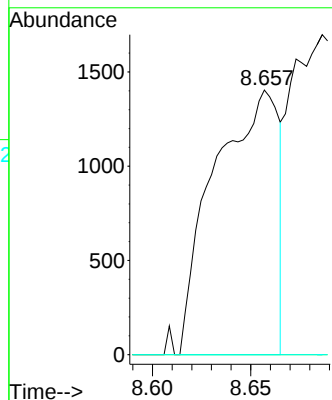
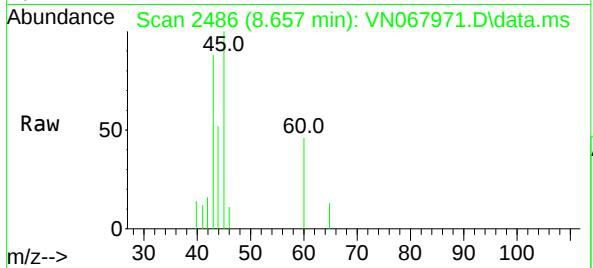
Tgt Ion: 117 Resp: 34992
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#





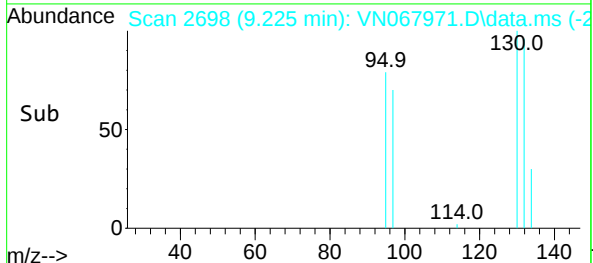
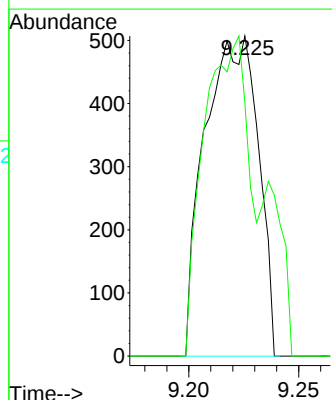
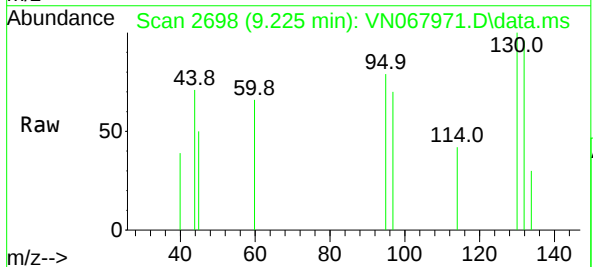
#43
Isopropyl Acetate
Concen: 0.372 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.094 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

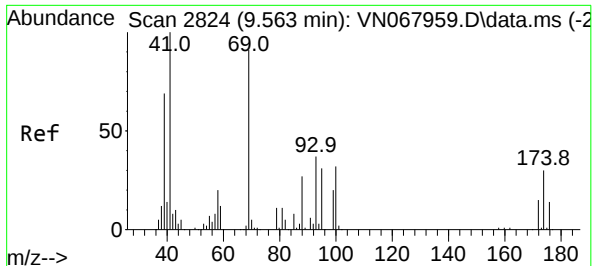
Tgt Ion: 43 Resp: 3173
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#44
Trichloroethene
Concen: 0.209 ug/l
RT: 9.225 min Scan# 2698
Delta R.T. 0.008 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

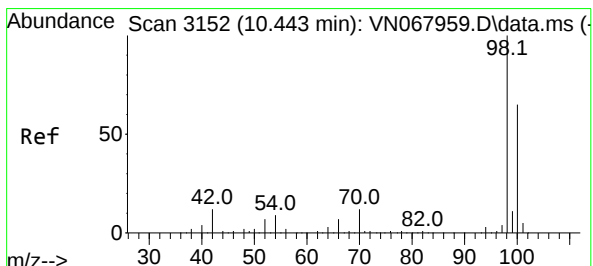
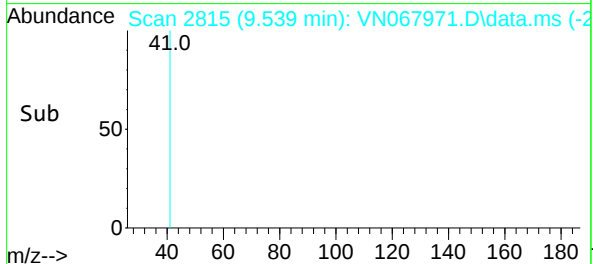
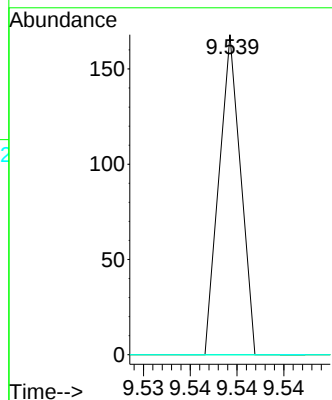
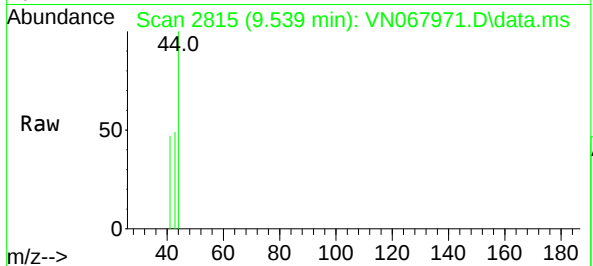
Tgt Ion: 130 Resp: 852
Ion Ratio Lower Upper
130 100
95 79.3 0.0 234.4





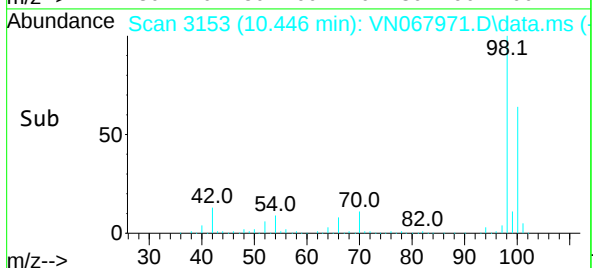
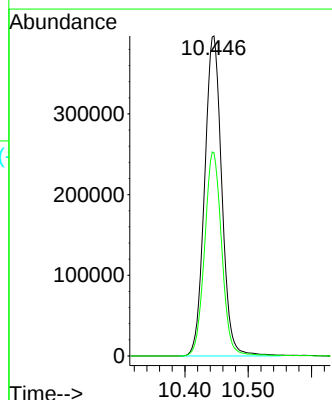
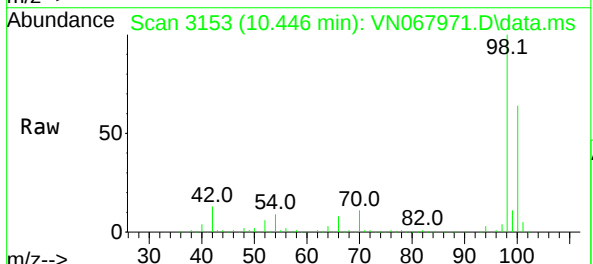
#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.539 min Scan# 2815
Delta R.T. -0.024 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

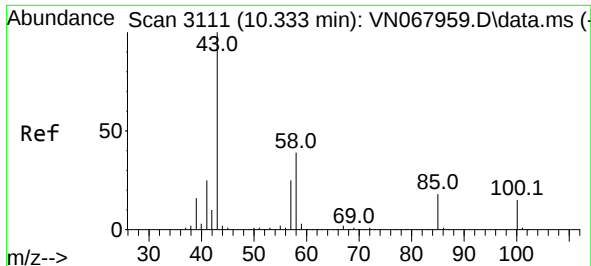
Tgt Ion: 41 Resp: 27
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.526 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

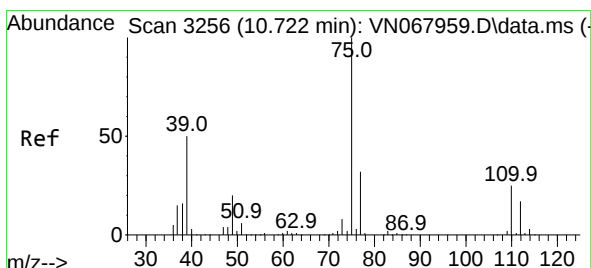
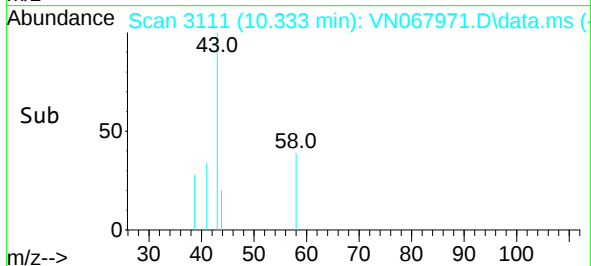
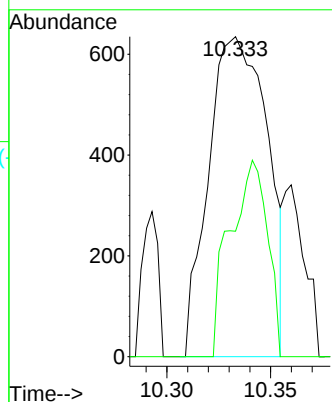
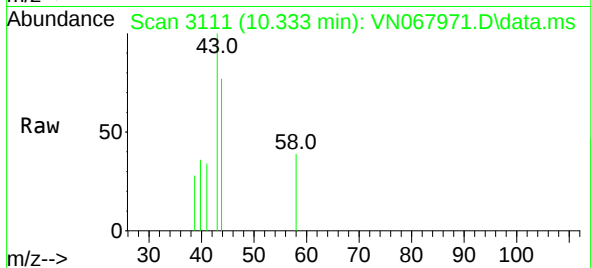
Tgt Ion: 98 Resp: 747608
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5





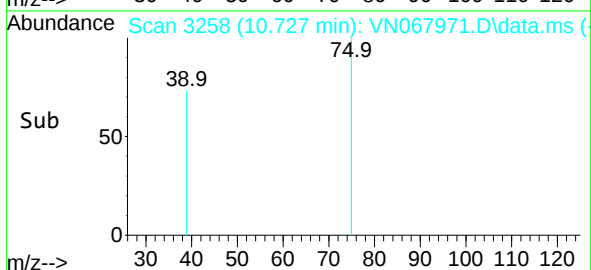
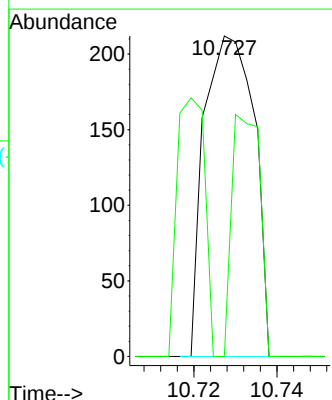
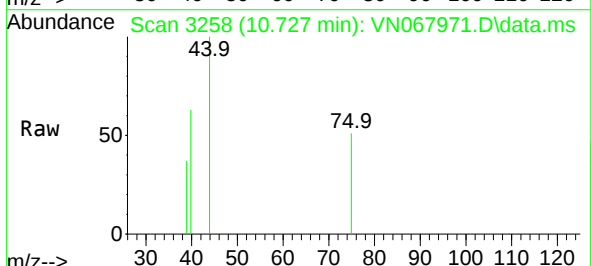
#51
4-Methyl-2-Pentanone
Concen: 12.758 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

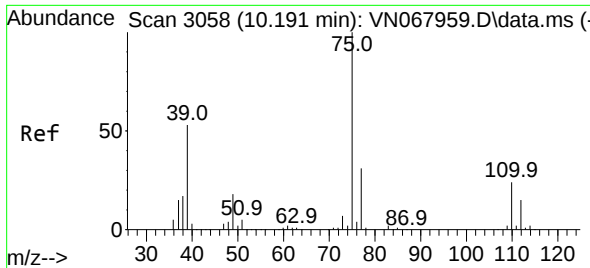
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 39.1 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 2.857 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.005 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

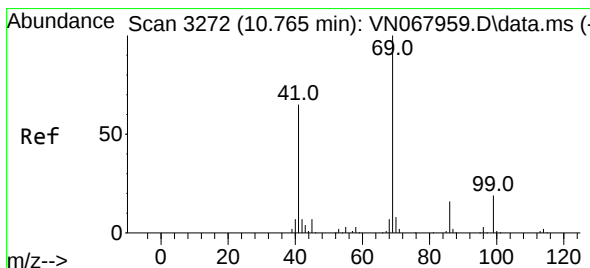
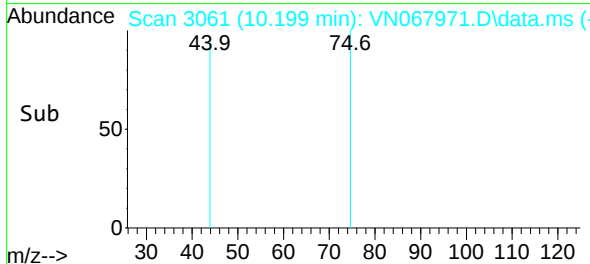
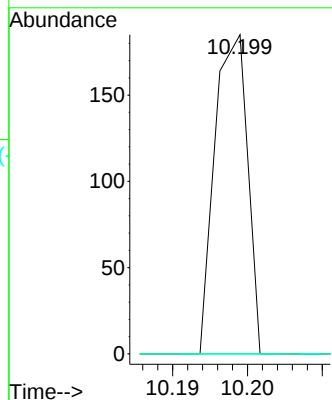
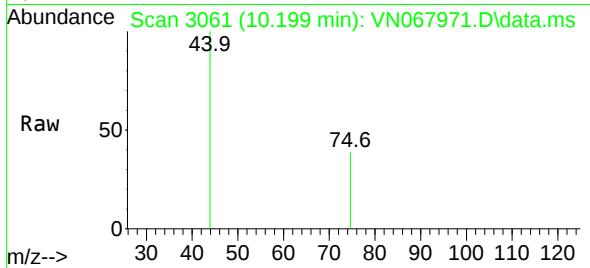
Tgt Ion: 75 Resp: 176
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#





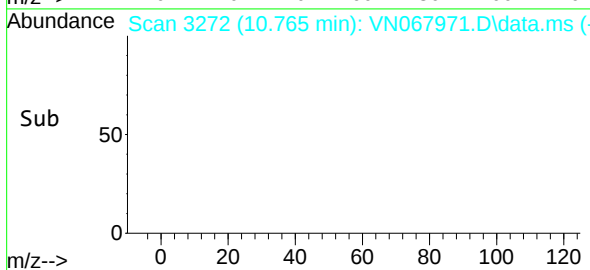
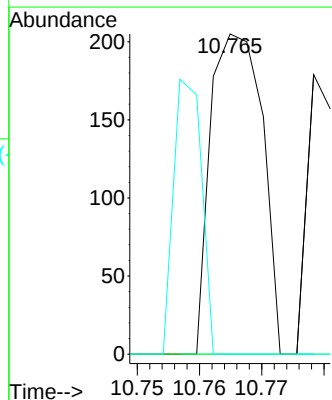
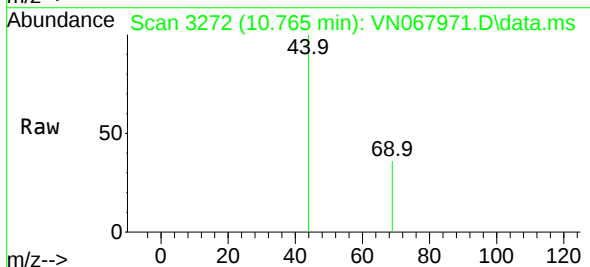
#54
 cis-1,3-Dichloropropene
 Concen: 2.362 ug/l
 RT: 10.199 min Scan# 3061
 Delta R.T. 0.008 min
 Lab File: VN067971.D
 Acq: 29 Jul 2021 18:16

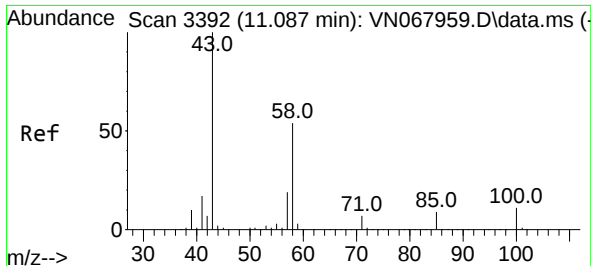
Tgt Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 0.0 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 3.114 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. -0.000 min
 Lab File: VN067971.D
 Acq: 29 Jul 2021 18:16

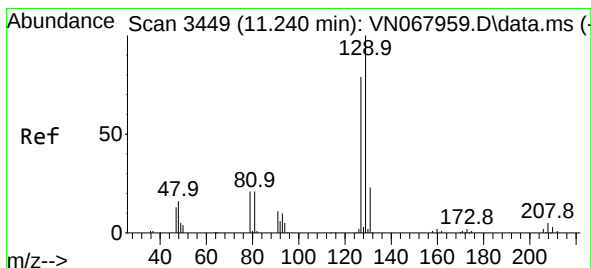
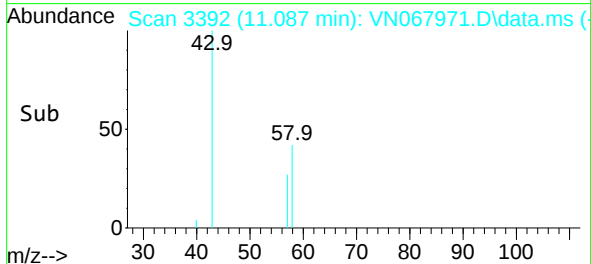
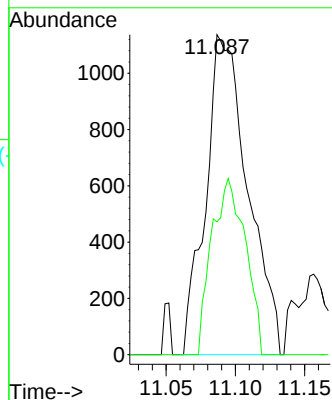
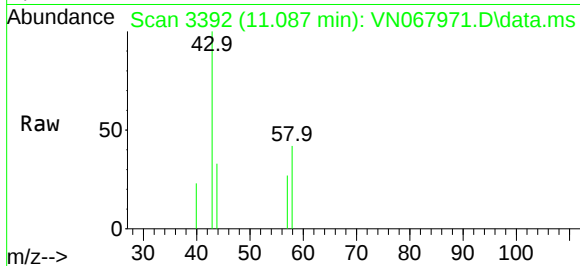
Tgt Ion: 69 Resp: 118
 Ion Ratio Lower Upper
 69 100
 41 0.0 58.6 88.0#
 39 46.6 38.3 57.5





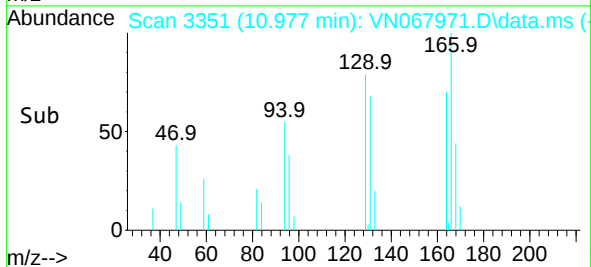
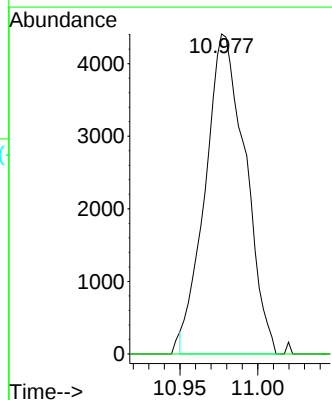
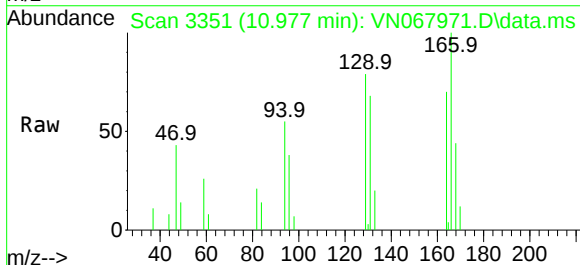
#59
2-Hexanone
Concen: 13.803 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

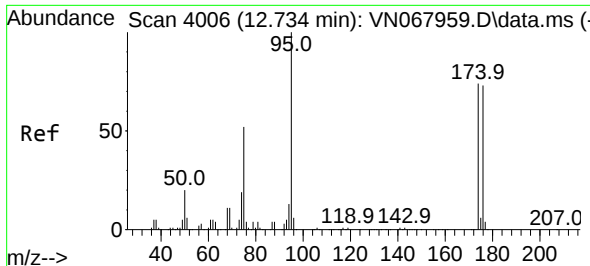
Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
58 44.0 24.7 74.1



#60
Dibromochloromethane
Concen: 4.756 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

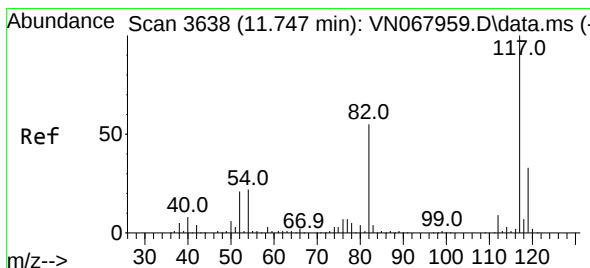
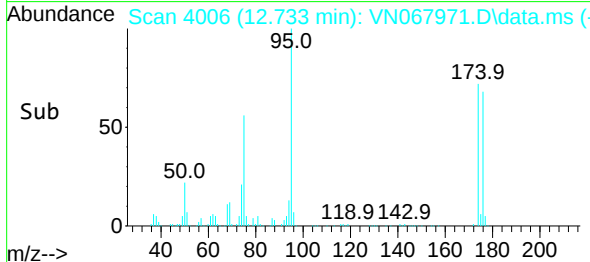
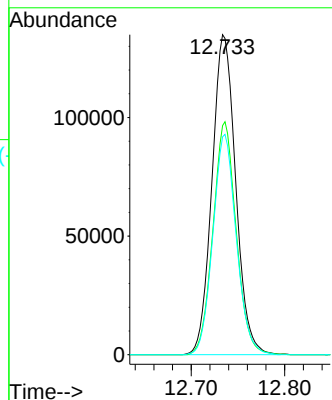
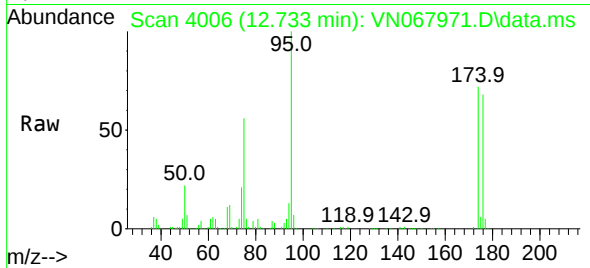
Tgt Ion: 129 Resp: 7879
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





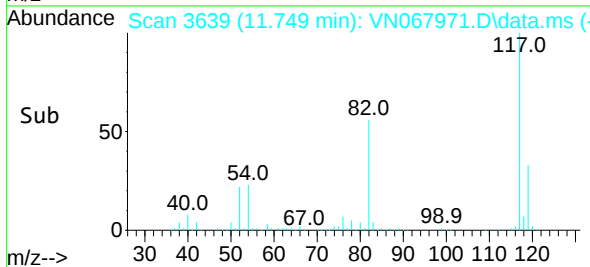
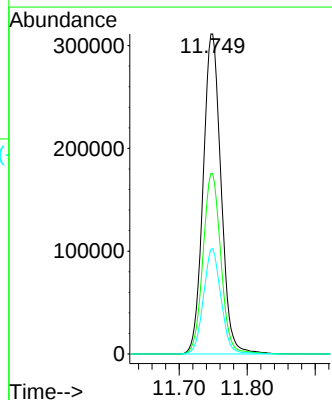
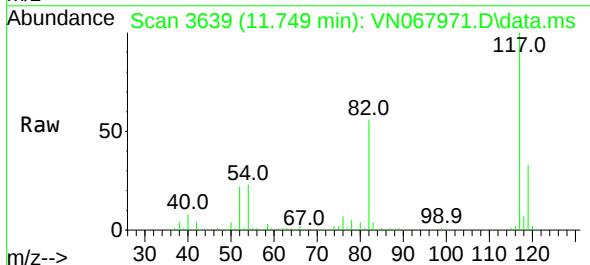
#62
4-Bromofluorobenzene
Concen: 42.022 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

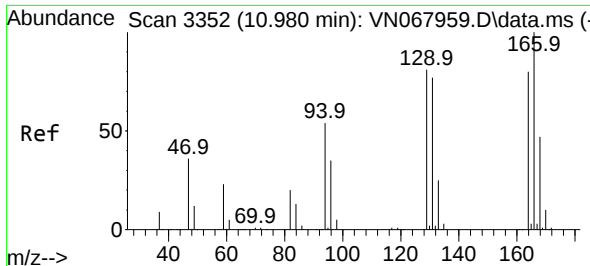
Tgt Ion: 95 Resp: 237909
Ion Ratio Lower Upper
95 100
174 71.3 0.0 122.0
176 68.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

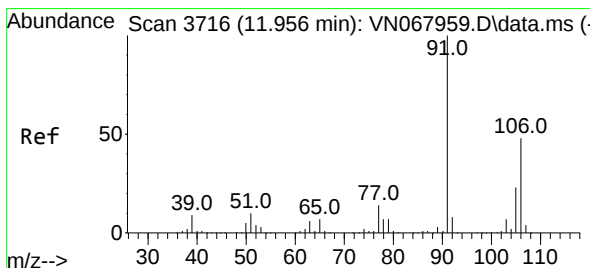
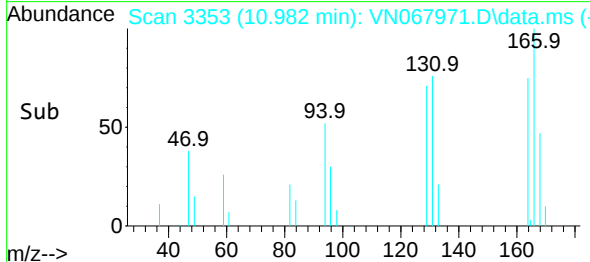
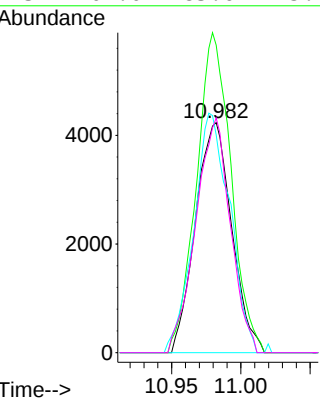
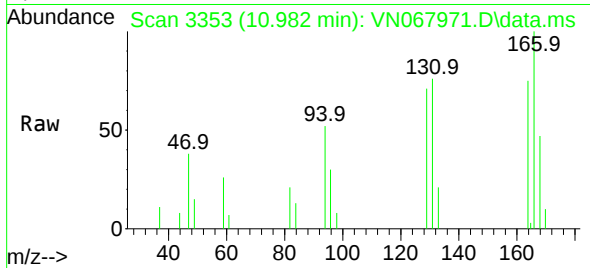
Tgt Ion: 117 Resp: 569402
Ion Ratio Lower Upper
117 100
82 56.3 53.1 79.7
119 32.9 25.5 38.3





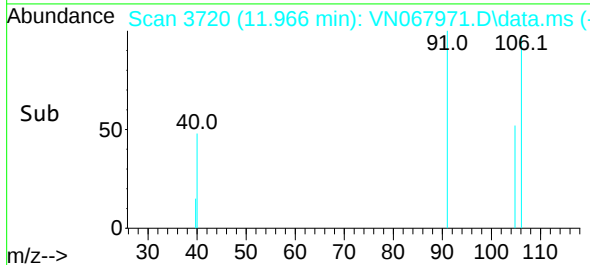
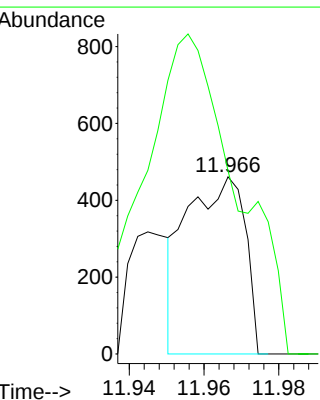
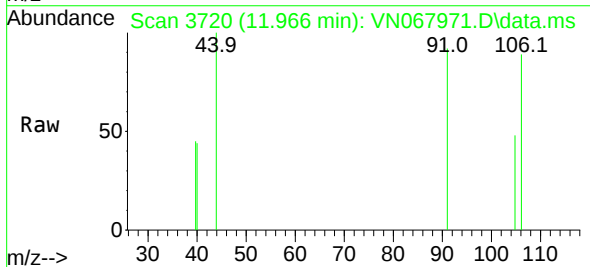
#64
Tetrachloroethene
Concen: 1.890 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.002 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

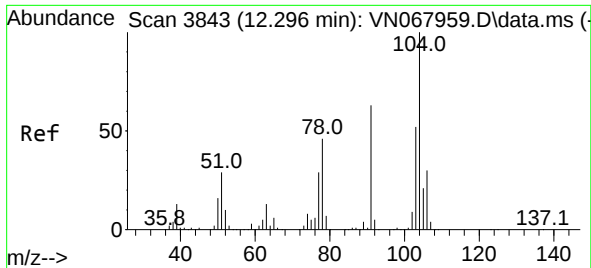
Tgt	Ion:164	Resp:	7709
Ion	Ratio	Lower	Upper
164	100		
166	133.7	102.1	153.1
129	90.8	86.9	130.3
131	102.0	83.6	125.4



#68
m/p-Xylenes
Concen: 4.115 ug/l
RT: 11.966 min Scan# 3720
Delta R.T. 0.010 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

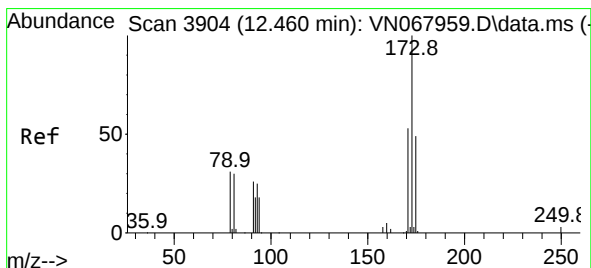
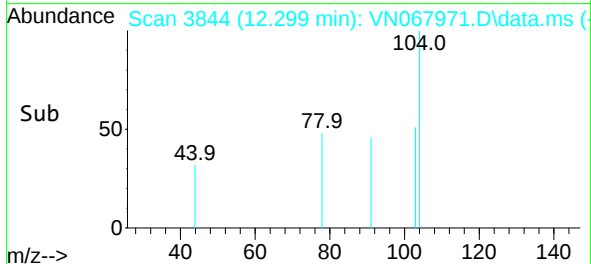
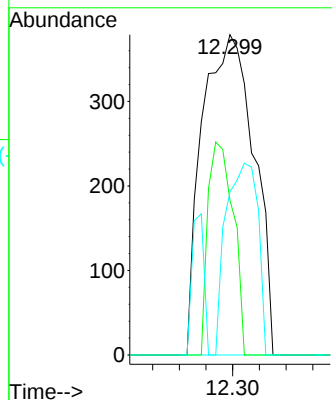
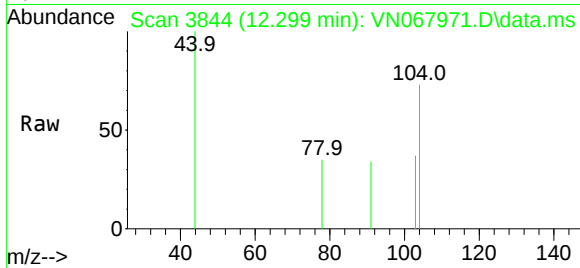
Tgt Ion:106	Resp:	496	
Ion Ratio	Lower	Upper	
106 100			
91 302.2	180.6	270.8#	





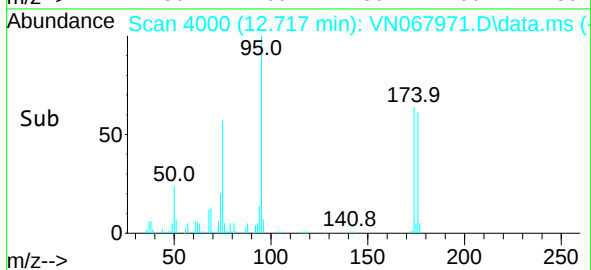
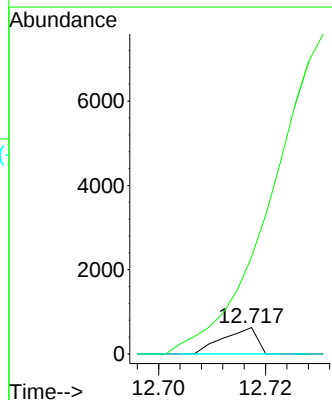
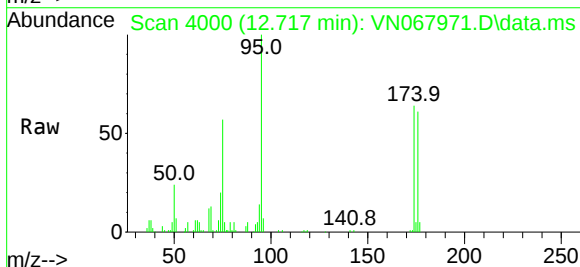
#70
Styrene
Concen: 2.664 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

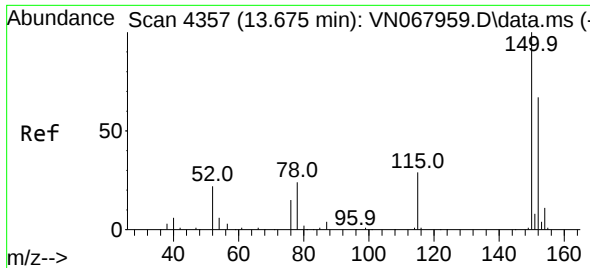
Tgt Ion:104 Resp: 510
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 37.1 44.5 66.7#



#71
Bromoform
Concen: 4.101 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

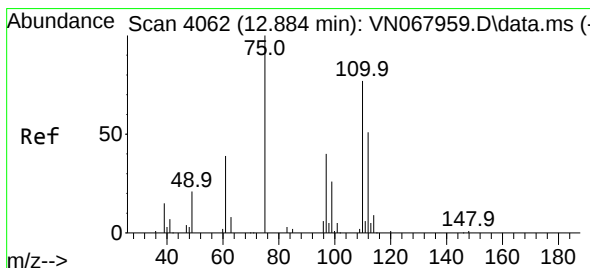
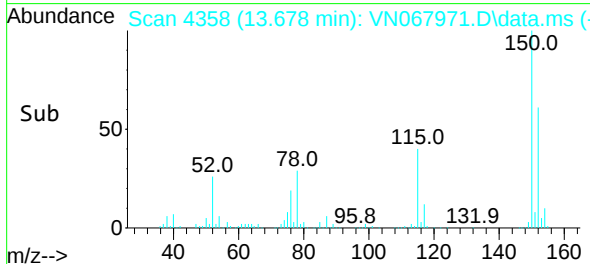
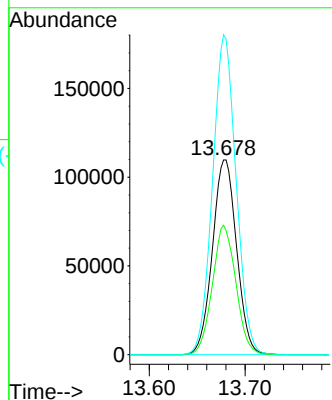
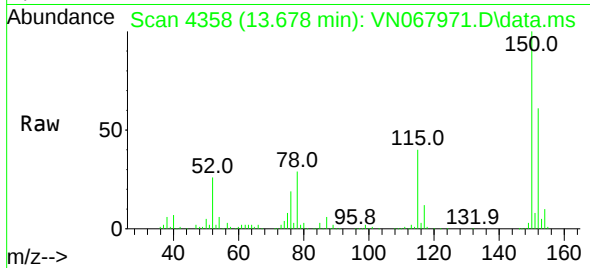
Tgt Ion:173 Resp: 276
Ion Ratio Lower Upper
173 100
175 4540.9 23.9 71.8#
254 0.0 0.0 0.0





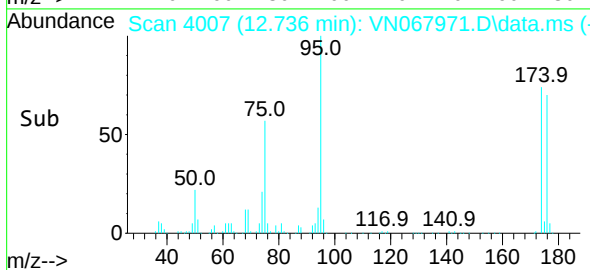
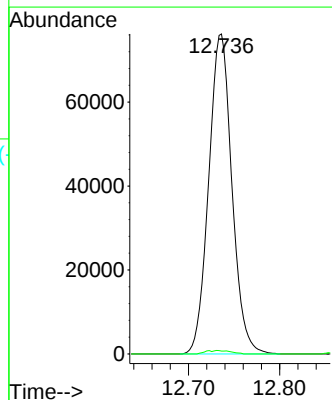
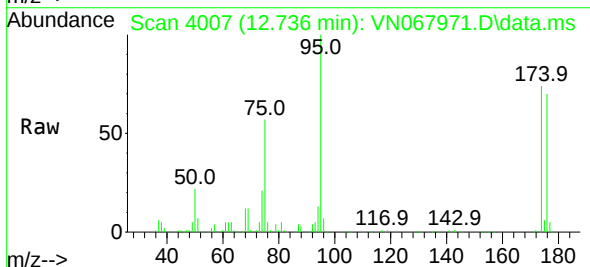
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

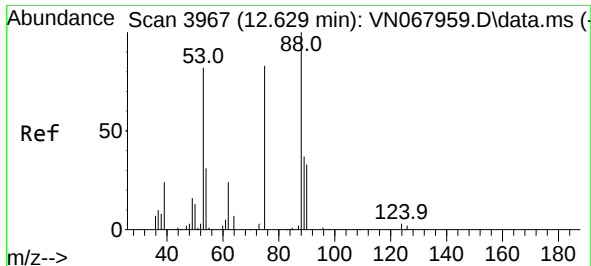
Tgt Ion:152 Resp: 192308
Ion Ratio Lower Upper
152 100
115 64.5 36.1 108.5
150 159.8 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 34.877 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

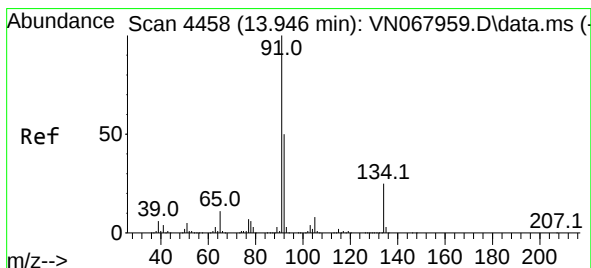
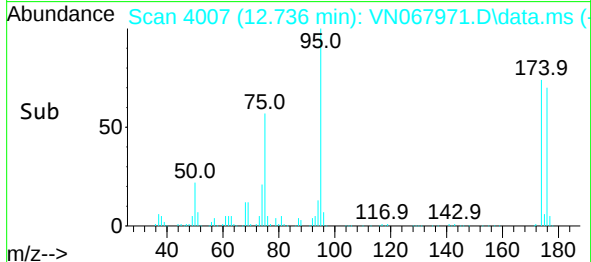
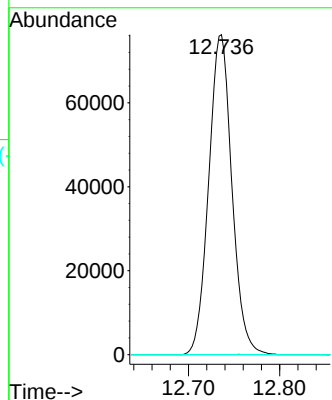
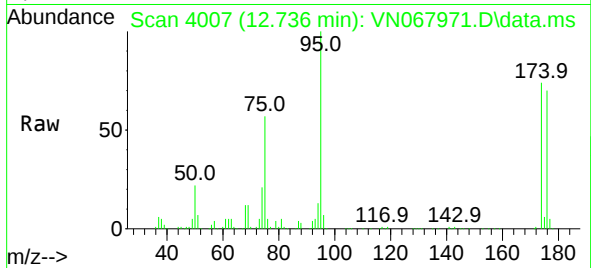
Tgt Ion: 75 Resp: 134700
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#





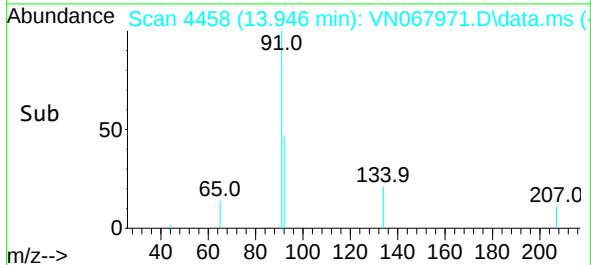
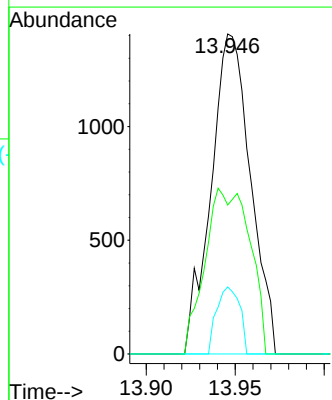
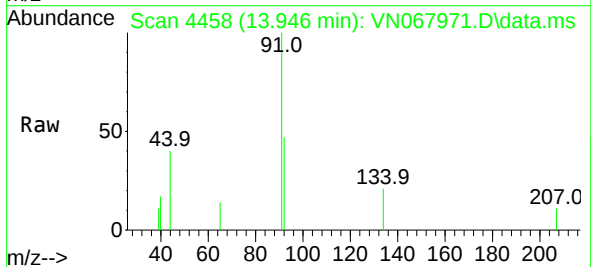
#81
trans-1,4-Dichloro-2-butene
Concen: 93.399 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

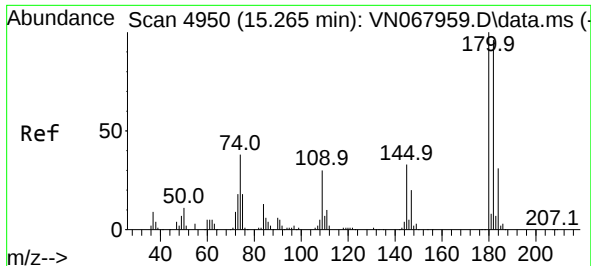
Tgt Ion: 75 Resp: 134700
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.215 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

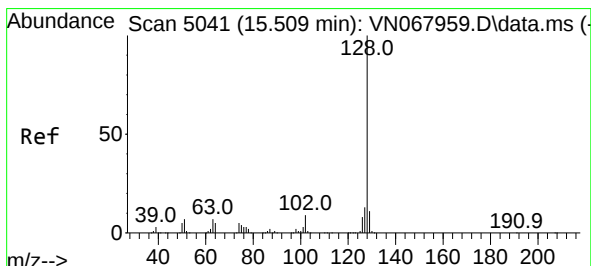
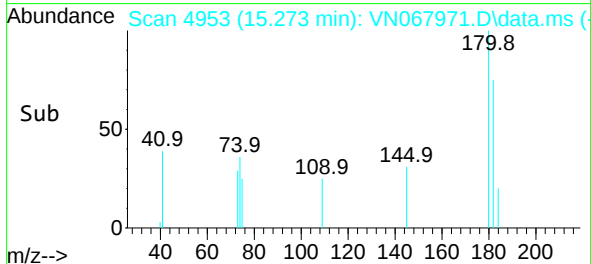
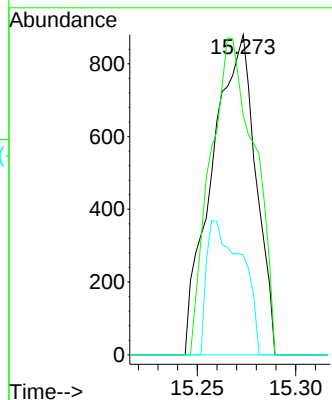
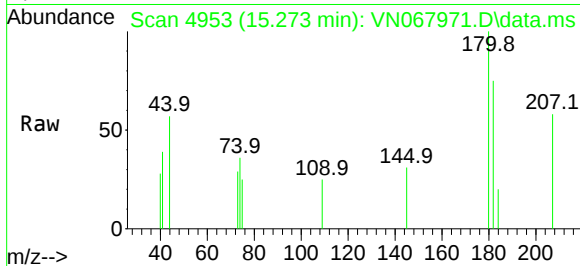
Tgt Ion: 91 Resp: 2173
Ion Ratio Lower Upper
91 100
92 31.2 25.7 77.1
134 12.1 11.2 33.6





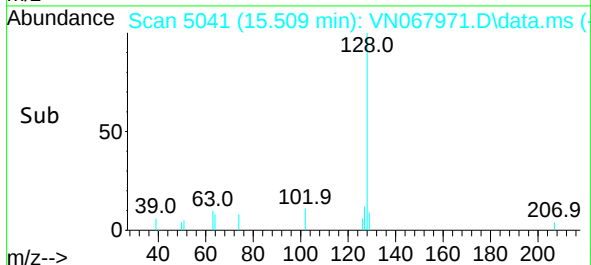
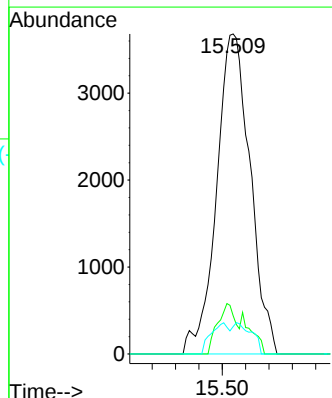
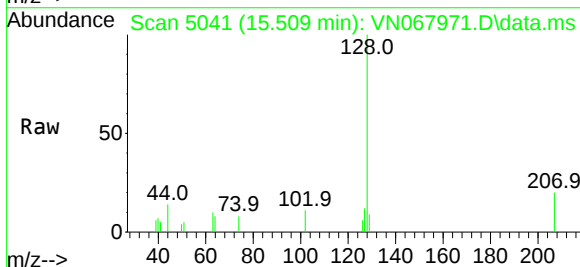
#93
1,2,4-Trichlorobenzene
Concen: 2.929 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN067971.D
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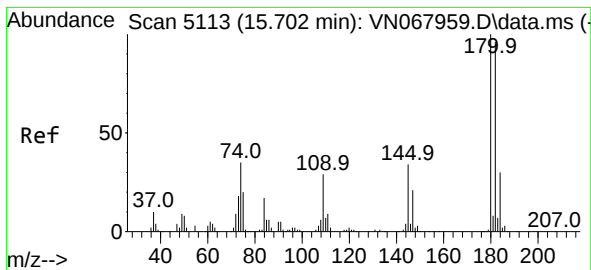
Tgt Ion:180 Resp: 1358
Ion Ratio Lower Upper
180 100
182 100.2 47.5 142.5
145 33.4 17.2 51.6



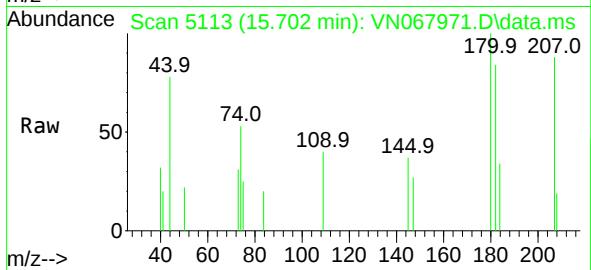
#95
Naphthalene
Concen: 3.979 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067971.D
Acq: 29 Jul 2021 18:16

Tgt Ion:128 Resp: 7346
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 5.5 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.909 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067971.D
 Acq: 29 Jul 2021 18:16



Tgt Ion:180 Resp: 1503
 Ion Ratio Lower Upper
 180 100
 182 37.9 47.8 143.3#
 145 21.0 18.2 54.6

