

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011822\
 Data File : VN070671.D
 Acq On : 18 Jan 2022 17:36
 Operator : JC/MD
 Sample : VN0118MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 03:40:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

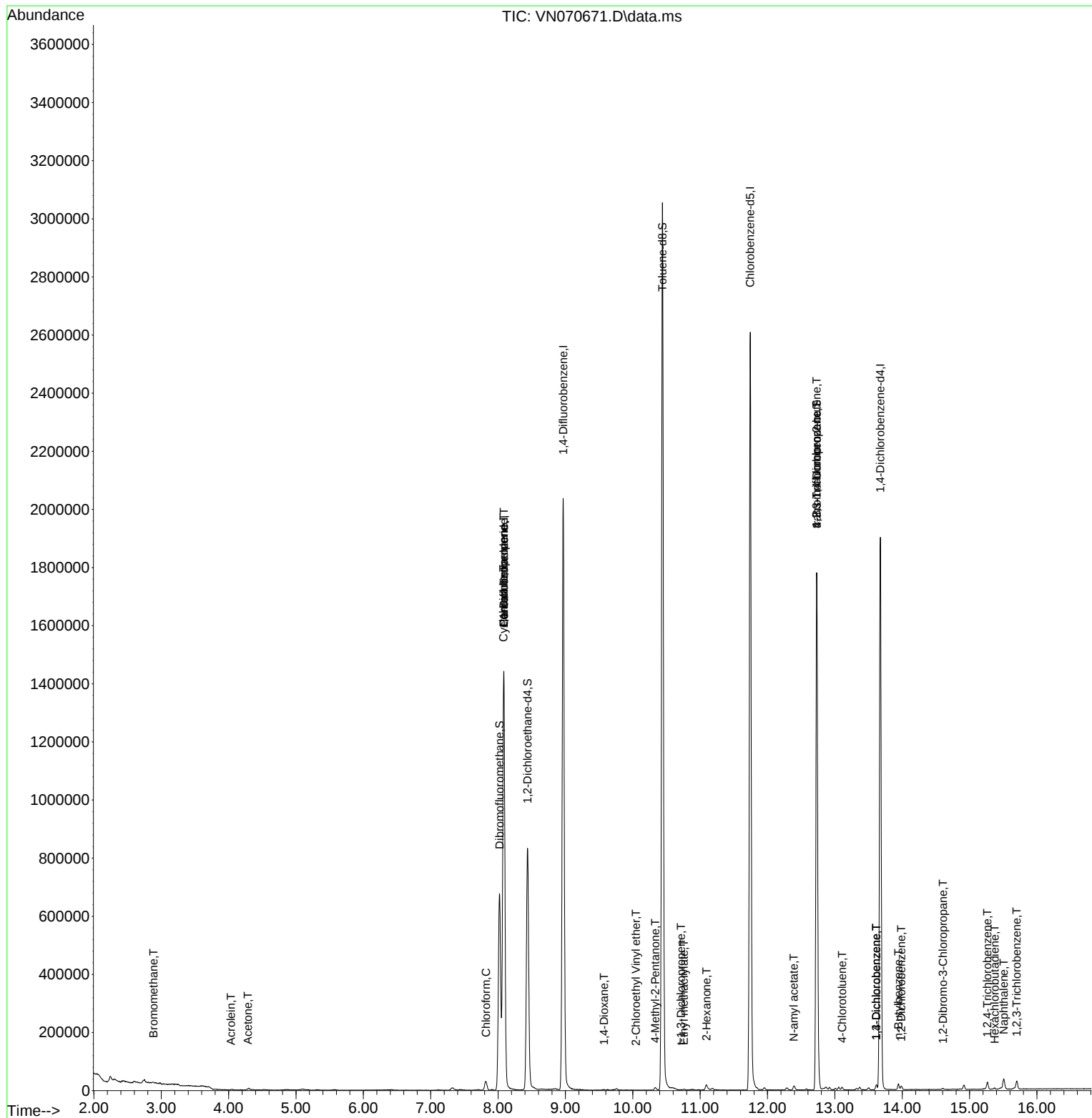
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

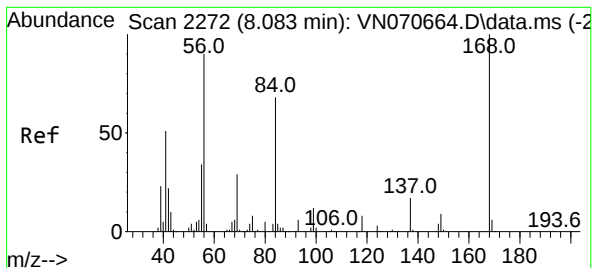
Internal Standards						
1) Pentafluorobenzene	8.086	168	1108083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1748616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1537975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	524585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	717774	45.198	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.400%
35) Dibromofluoromethane	8.021	113	516315	47.601	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.200%
50) Toluene-d8	10.440	98	2156836	47.201	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.731	95	661238	40.609	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	81.220%
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	2875	0.310	ug/l	90
13) Acrolein	4.036	56	851	0.207	ug/l	92
16) Acetone	4.285	43	2547	0.231	ug/l #	85
30) Chloroform	7.820	83	31745	0.729	ug/l	96
31) Cyclohexane	8.080	56	25136	0.899	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	91277	4.999	ug/l #	48
38) Carbon Tetrachloride	8.086	117	107735	6.632	ug/l #	16
49) 1,4-Dioxane	9.574	88	139	0.525	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7597	0.322	ug/l	100
53) t-1,3-Dichloropropene	10.717	75	502	2.425	ug/l	96
56) Ethyl methacrylate	10.759	69	1831	2.371	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.049	63	25	21.240	ug/l #	45
59) 2-Hexanone	11.095	43	18189	1.060	ug/l #	53
74) N-amyl acetate	12.390	43	10608	0.523	ug/l	94
76) 1,2,3-Trichloropropane	12.731	75	345595	24.839	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	345595	74.000	ug/l #	5
82) 4-Chlorotoluene	13.109	91	6930	0.211	ug/l	86
87) 1,3-Dichlorobenzene	13.616	146	5073	0.274	ug/l	95
88) 1,4-Dichlorobenzene	13.616	146	5073	0.275	ug/l	95
89) n-Butylbenzene	13.943	91	12781	0.415	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	5390	0.295	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.605	75	597	0.210	ug/l	68
93) 1,2,4-Trichlorobenzene	15.265	180	9150	4.305	ug/l	98
94) Hexachlorobutadiene	15.372	225	1272	0.235	ug/l	89
95) Naphthalene	15.507	128	34549	6.093	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.700	180	12075	4.435	ug/l	91

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

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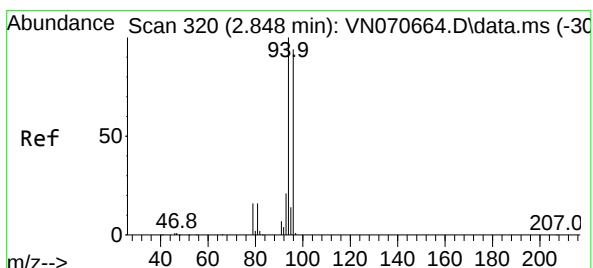
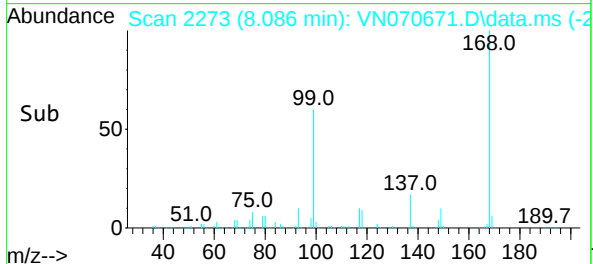
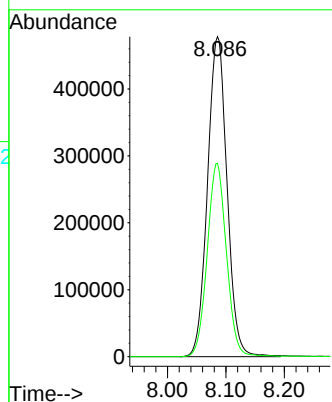
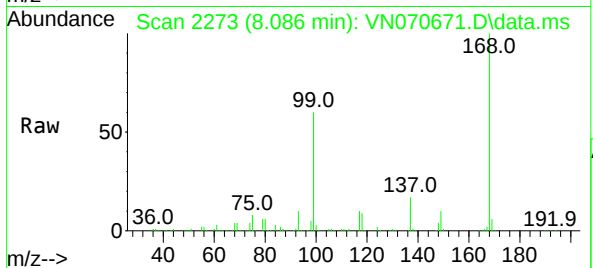
Quant Time: Jan 19 03:40:23 2022
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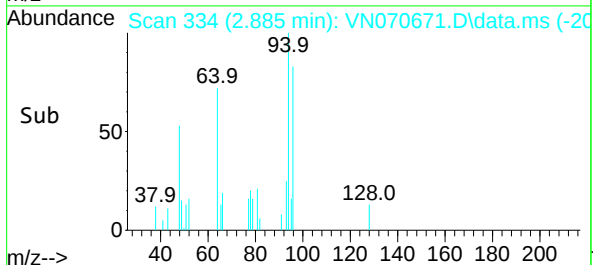
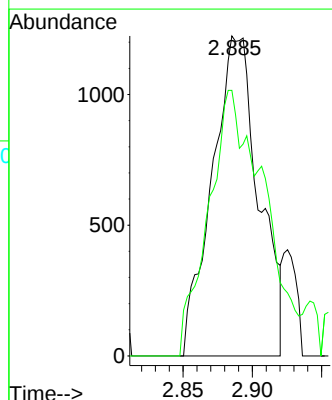
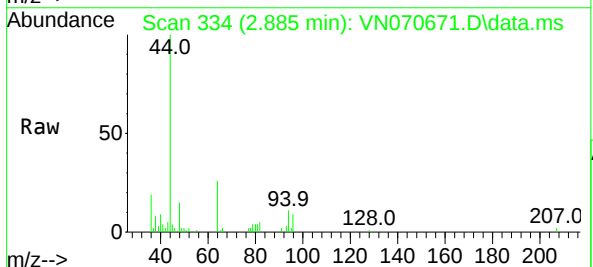
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

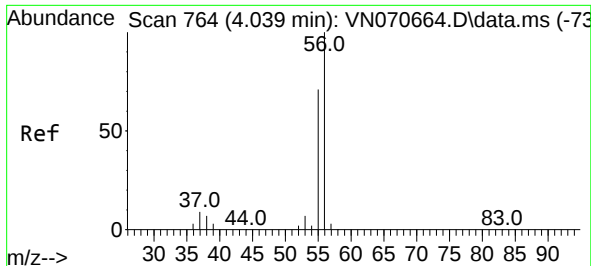
Tgt Ion:168 Resp: 1108083
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#5
Bromomethane
Concen: 0.310 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.037 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

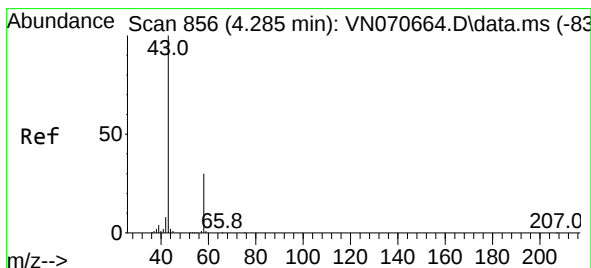
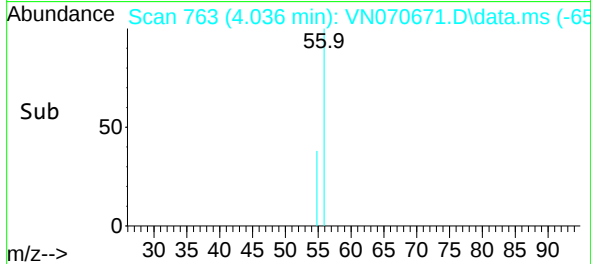
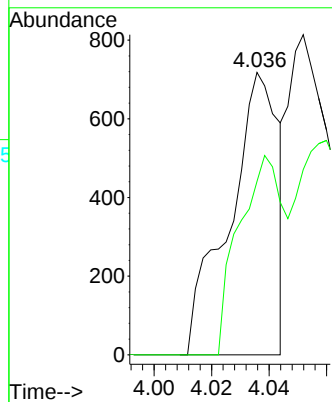
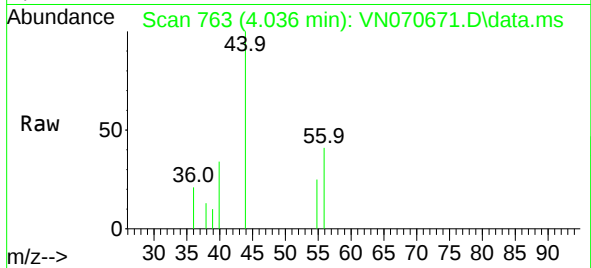
Tgt Ion: 94 Resp: 2875
Ion Ratio Lower Upper
94 100
96 83.0 73.8 110.8





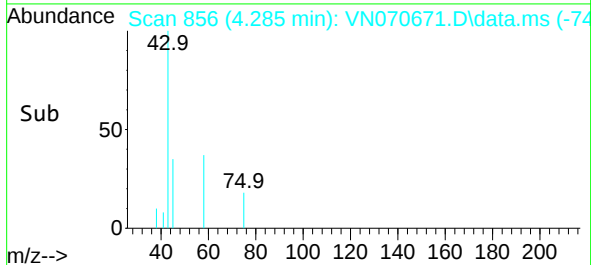
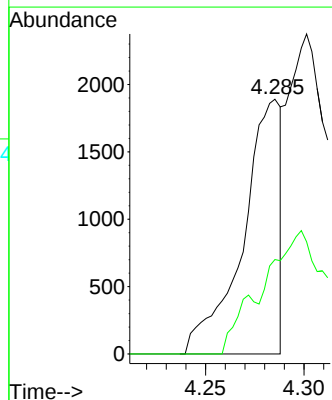
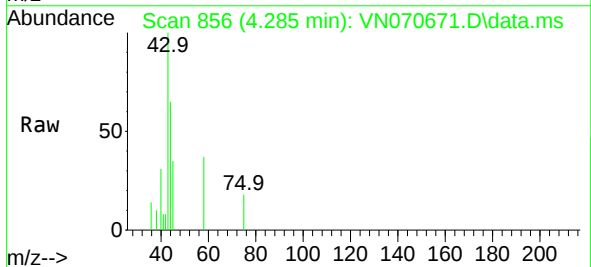
#13
Acrolein
Concen: 0.207 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

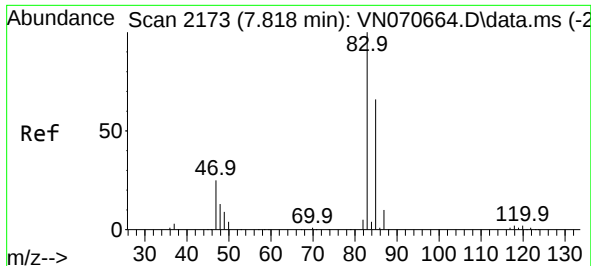
Tgt Ion: 56 Resp: 851
Ion Ratio Lower Upper
56 100
55 64.5 56.6 85.0



#16
Acetone
Concen: 0.231 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

Tgt Ion: 43 Resp: 2547
Ion Ratio Lower Upper
43 100
58 37.1 23.1 34.7#





#30

Chloroform

Concen: 0.729 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.002 min

Lab File: VN070671.D

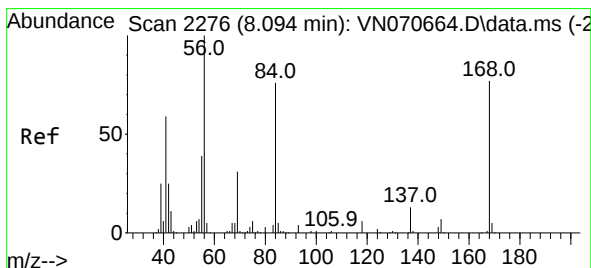
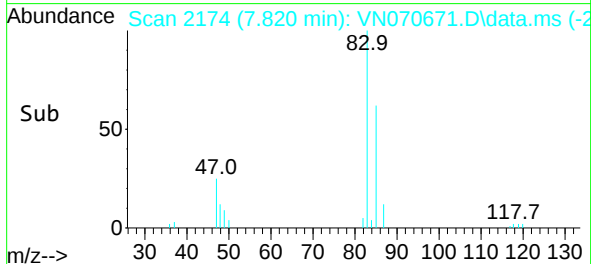
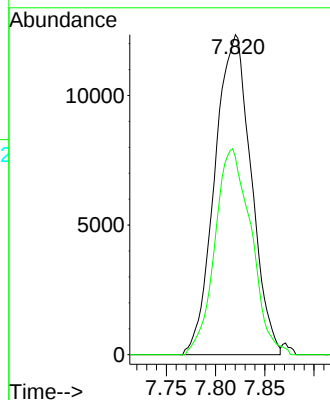
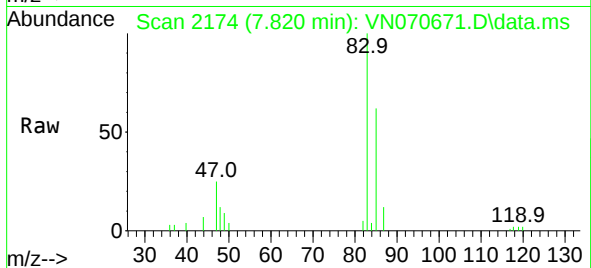
Acq: 18 Jan 2022 17:36

Tgt Ion: 83 Resp: 31745

Ion Ratio Lower Upper

83 100

85 61.8 51.9 77.9



#31

Cyclohexane

Concen: 0.899 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.014 min

Lab File: VN070671.D

Acq: 18 Jan 2022 17:36

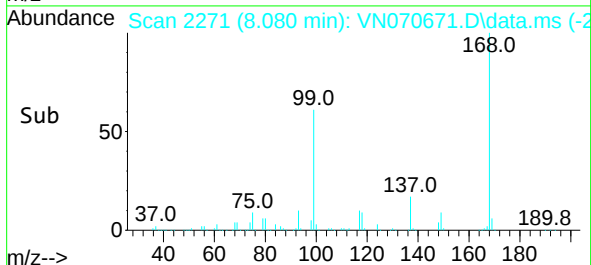
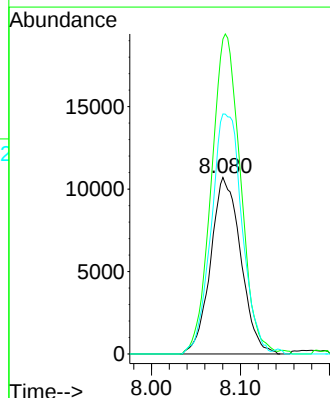
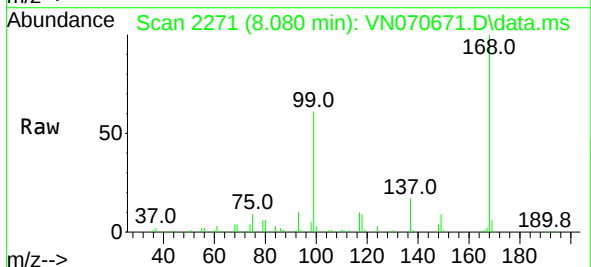
Tgt Ion: 56 Resp: 25136

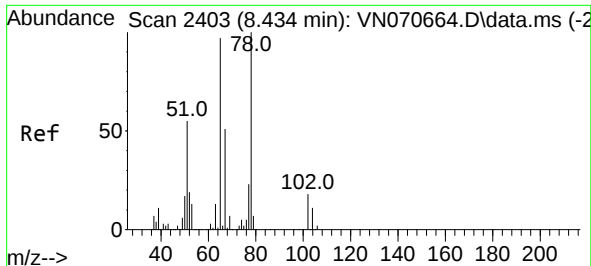
Ion Ratio Lower Upper

56 100

69 178.4 27.1 40.7#

84 136.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.198 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070671.D

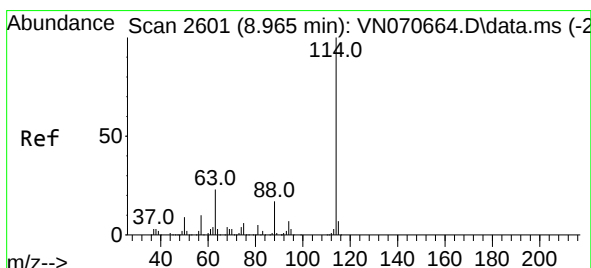
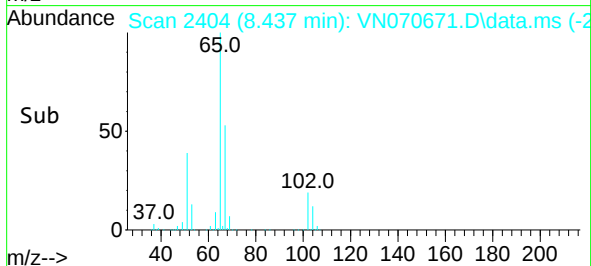
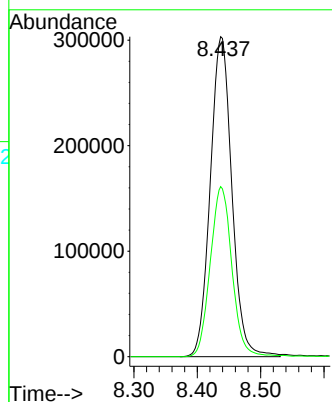
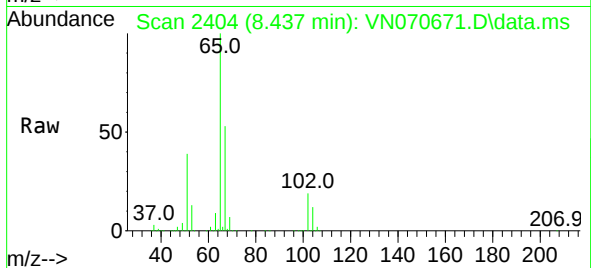
Acq: 18 Jan 2022 17:36

Tgt Ion: 65 Resp: 717774

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070671.D

Acq: 18 Jan 2022 17:36

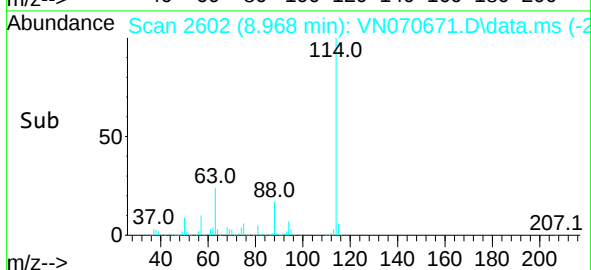
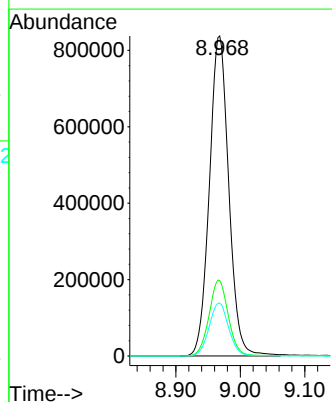
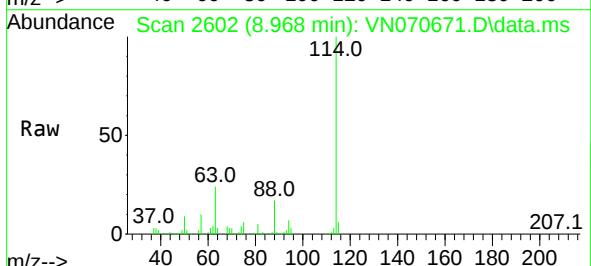
Tgt Ion: 114 Resp: 1748616

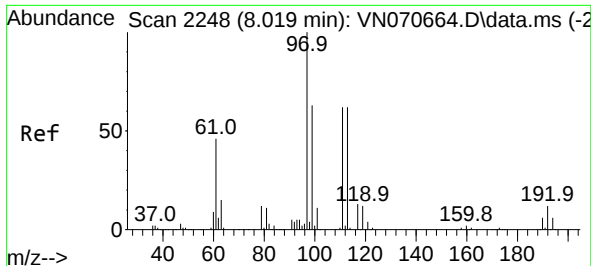
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

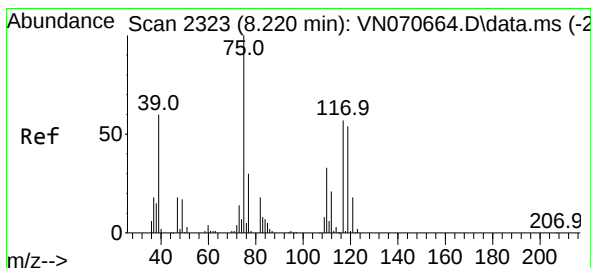
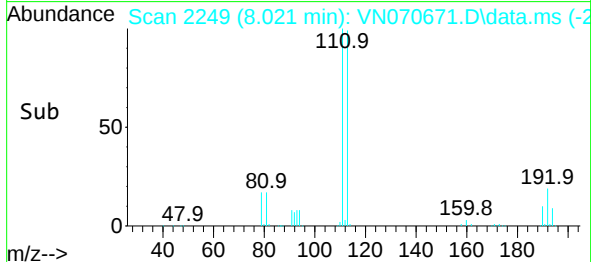
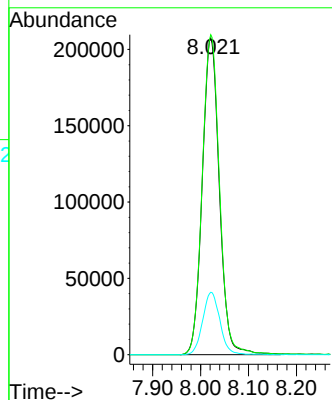
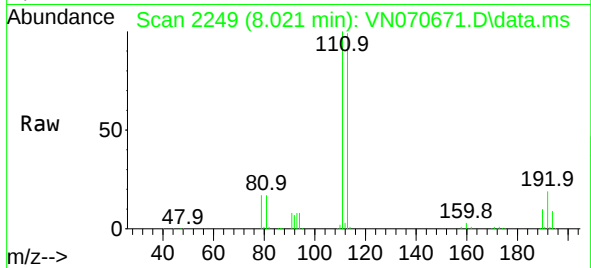
88 16.5 0.0 27.4





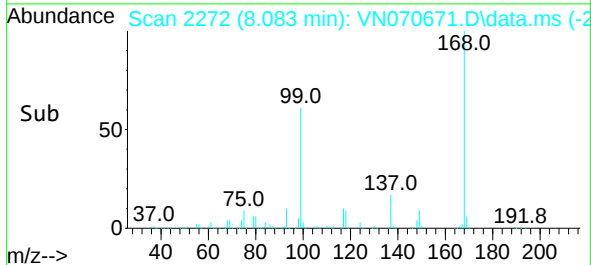
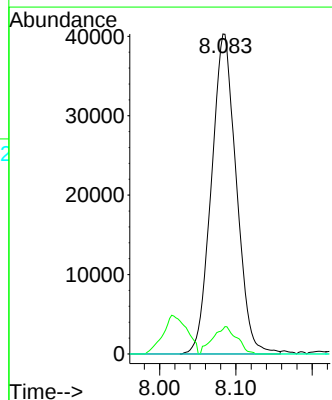
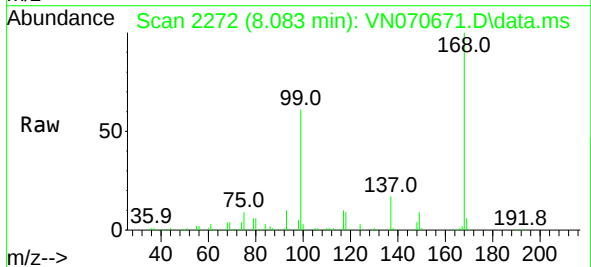
#35
Dibromofluoromethane
Concen: 47.601 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

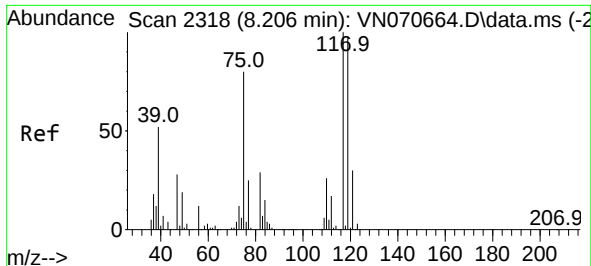
Tgt Ion:113 Resp: 516315
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

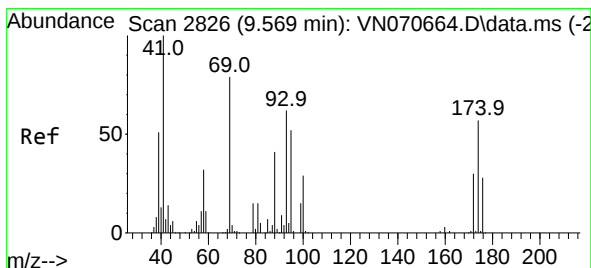
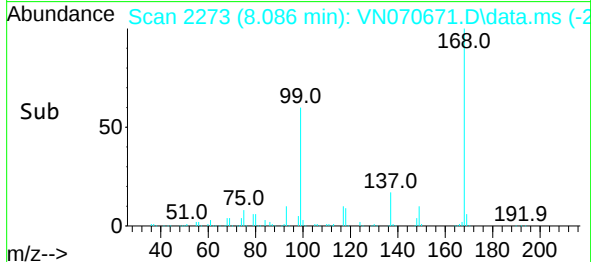
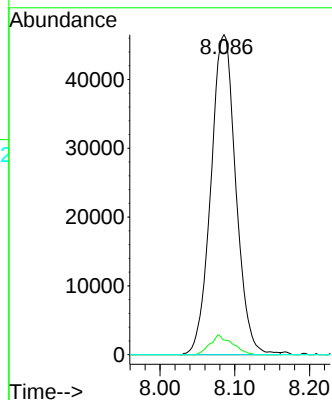
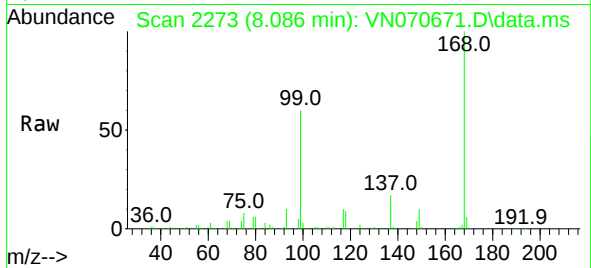
Tgt Ion: 75 Resp: 91277
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#





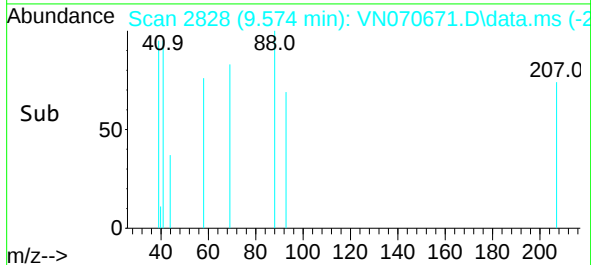
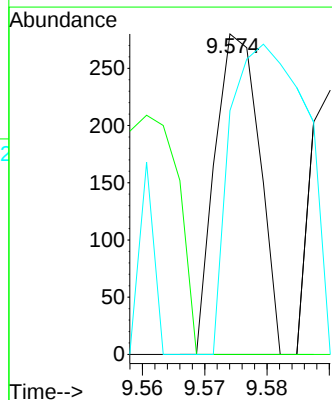
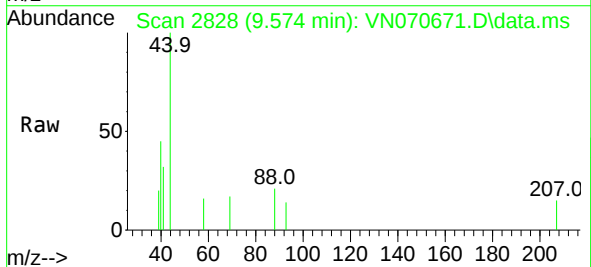
#38
Carbon Tetrachloride
Concen: 6.632 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

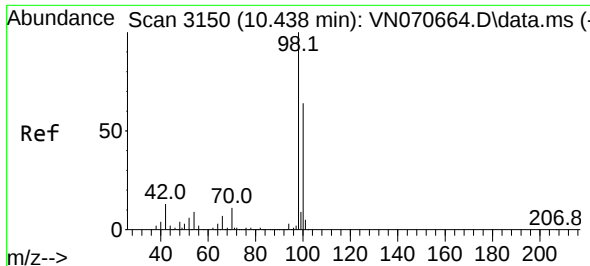
Tgt Ion: 117 Resp: 107735
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.525 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.005 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

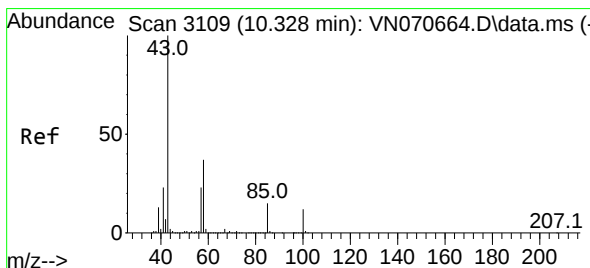
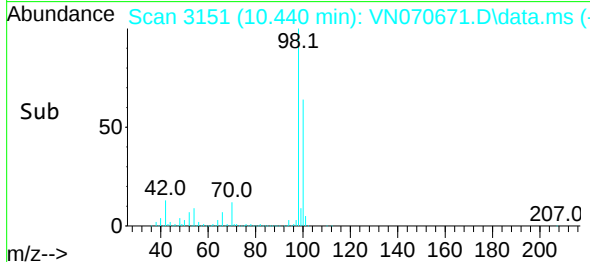
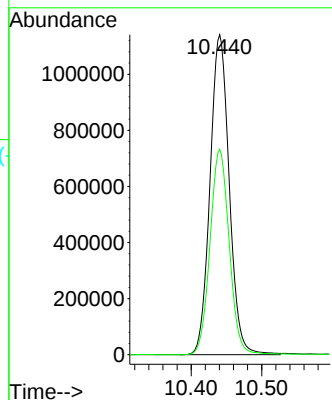
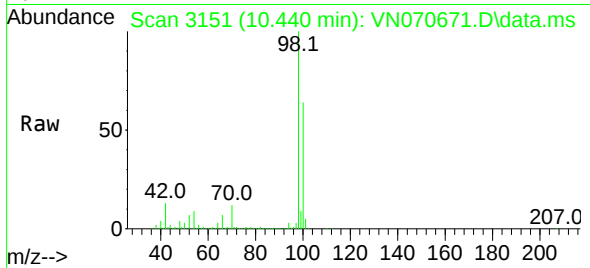
Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 166.2 50.6 75.8#





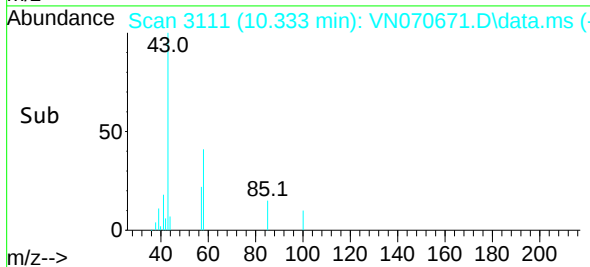
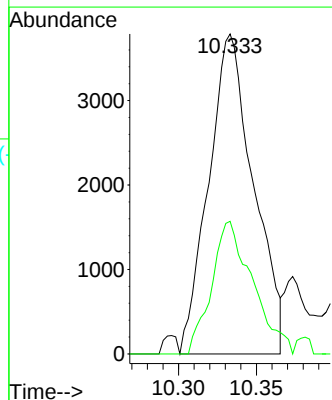
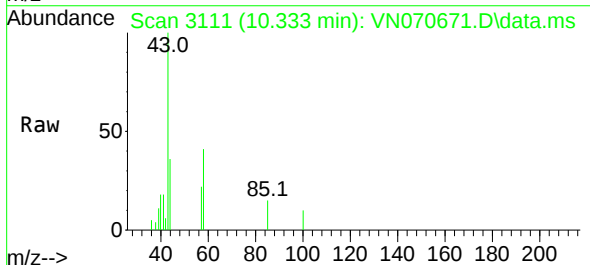
#50
Toluene-d8
Concen: 47.201 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

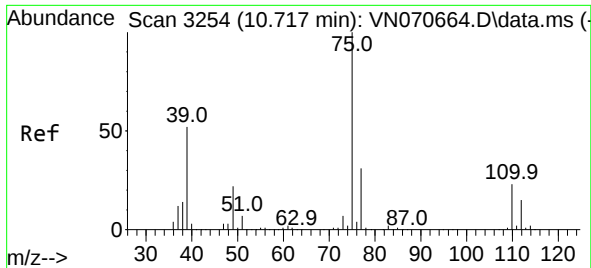
Tgt Ion: 98 Resp: 2156836
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.322 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

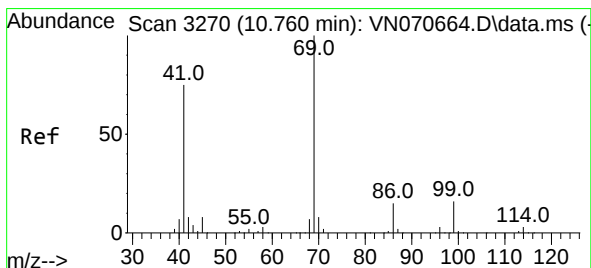
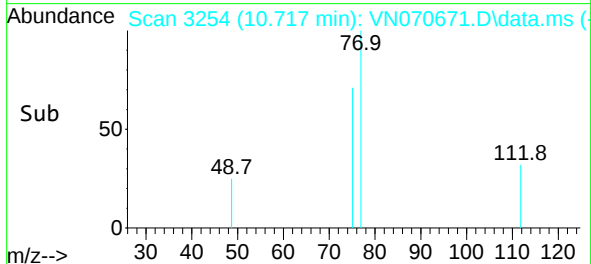
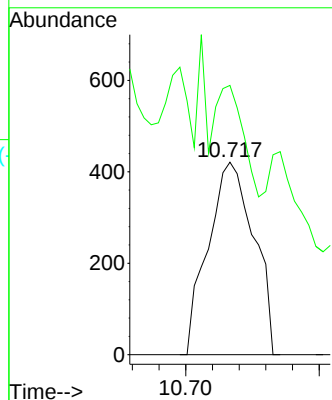
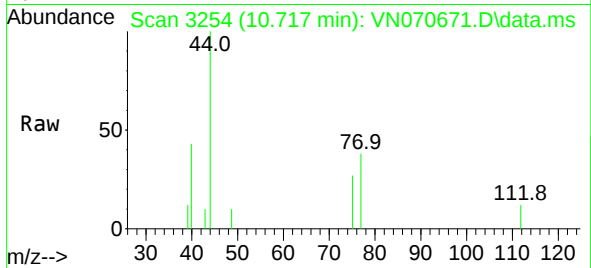
Tgt Ion: 43 Resp: 7597
Ion Ratio Lower Upper
43 100
58 37.9 30.4 45.6





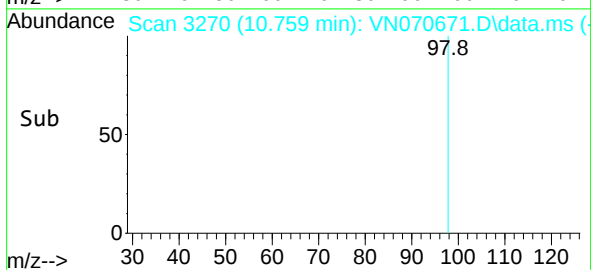
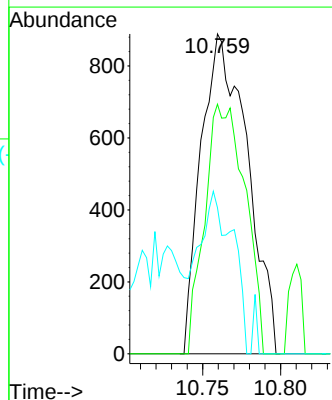
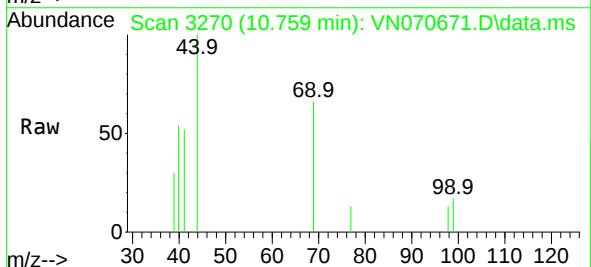
#53
t-1,3-Dichloropropene
Concen: 2.425 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.000 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

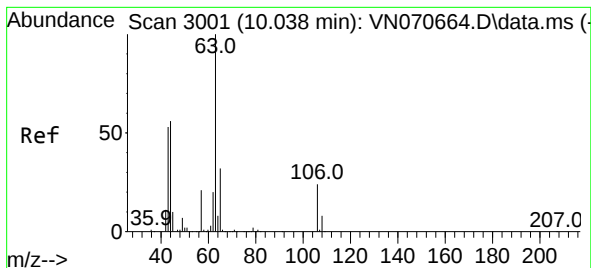
Tgt Ion: 75 Resp: 502
Ion Ratio Lower Upper
75 100
77 34.4 25.6 38.4



#56
Ethyl methacrylate
Concen: 2.371 ug/l
RT: 10.759 min Scan# 3270
Delta R.T. -0.001 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

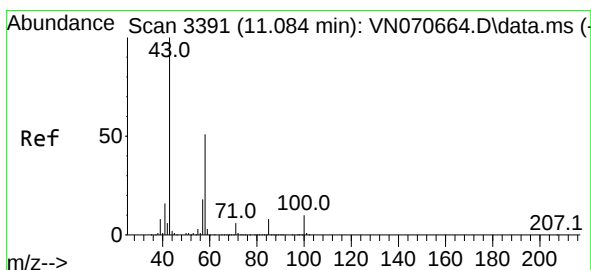
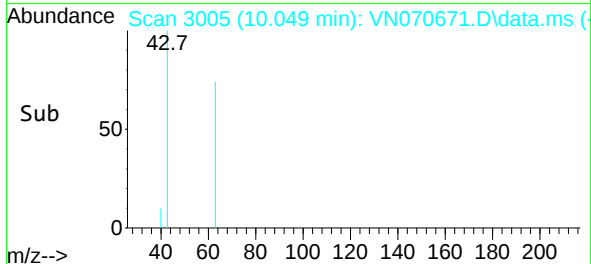
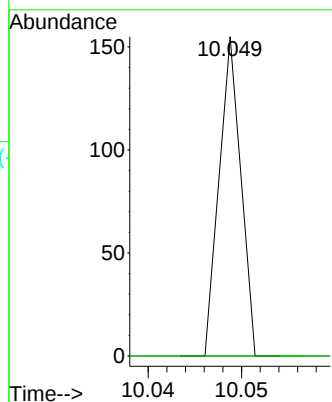
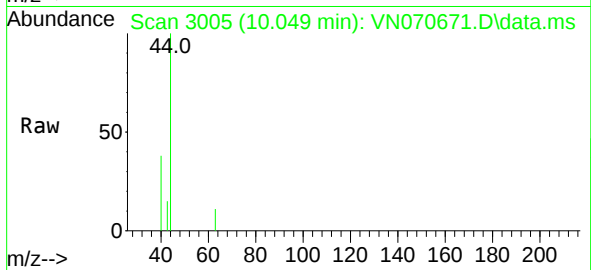
Tgt Ion: 69 Resp: 1831
Ion Ratio Lower Upper
69 100
41 68.3 51.4 77.0
39 37.3 34.6 52.0





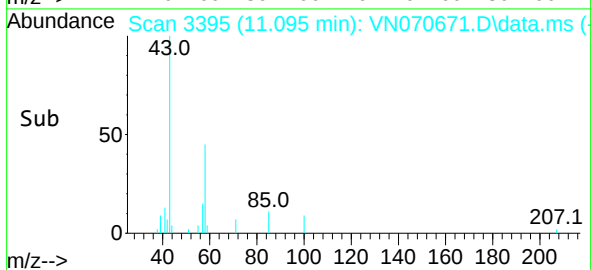
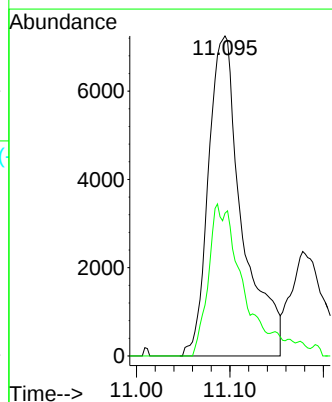
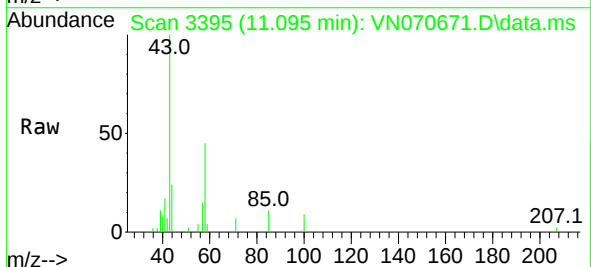
#58
2-Chloroethyl Vinyl ether
Concen: 21.240 ug/l
RT: 10.049 min Scan# 3005
Delta R.T. 0.011 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

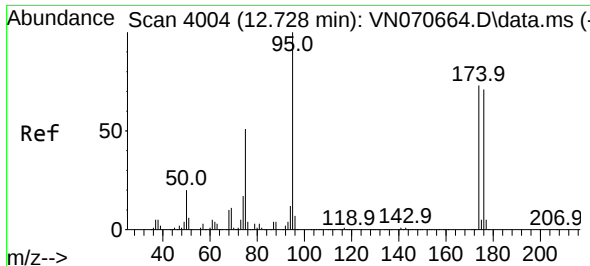
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 1.060 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.011 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

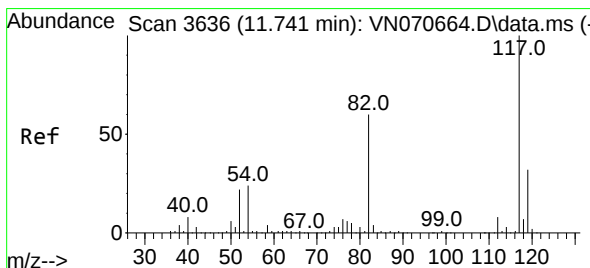
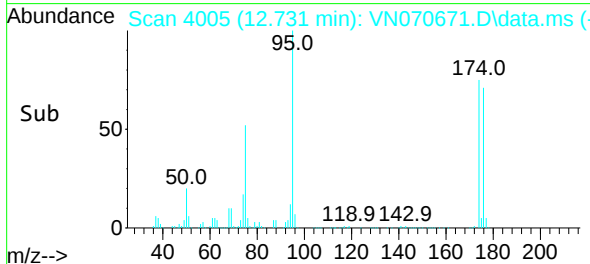
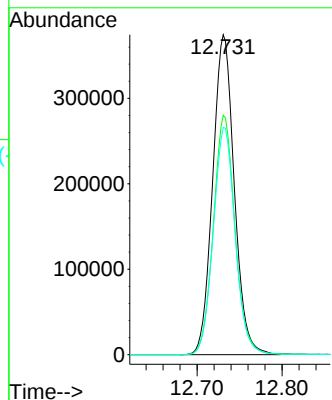
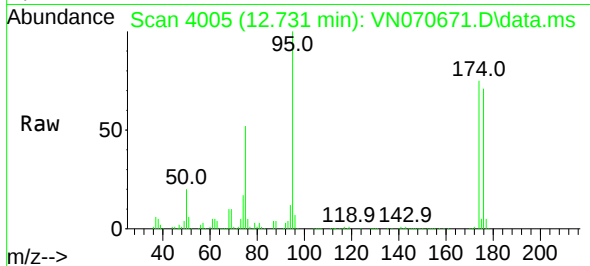
Tgt Ion: 43 Resp: 18189
Ion Ratio Lower Upper
43 100
58 20.2 26.9 80.7#





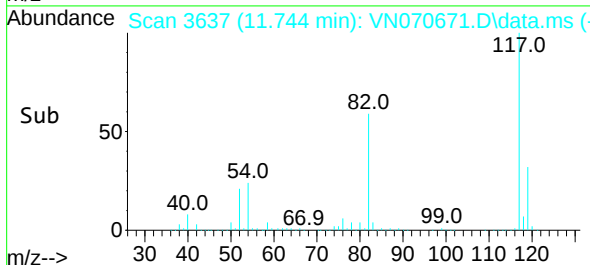
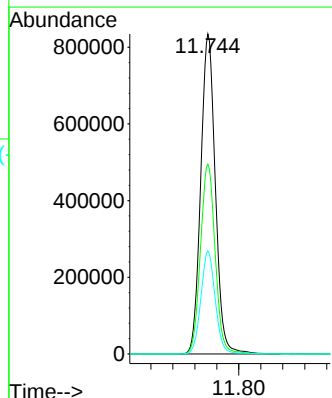
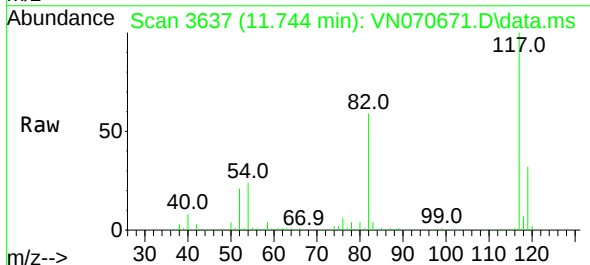
#62
4-Bromofluorobenzene
Concen: 40.609 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

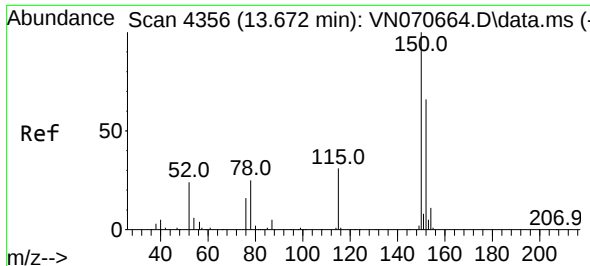
Tgt Ion: 95 Resp: 661238
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 71.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

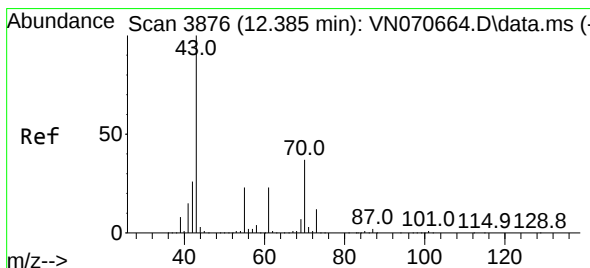
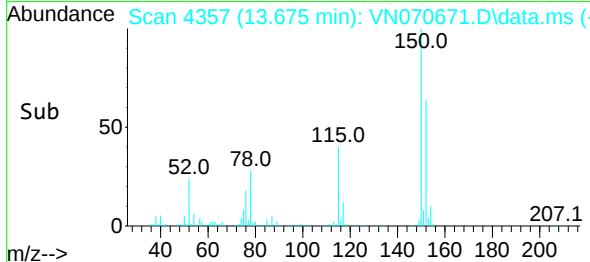
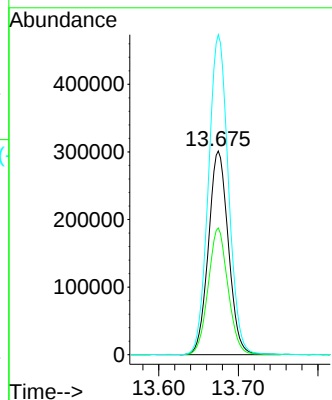
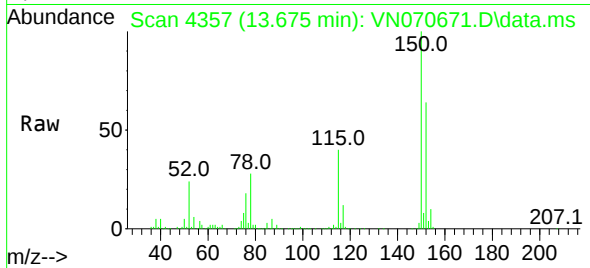
Tgt Ion: 117 Resp: 1537975
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.2 25.4 38.2





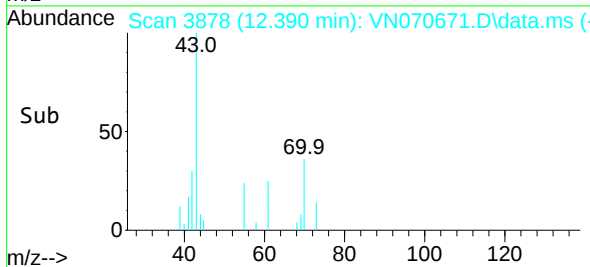
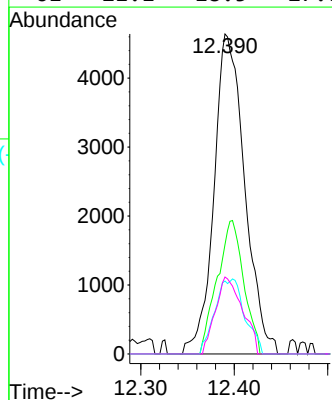
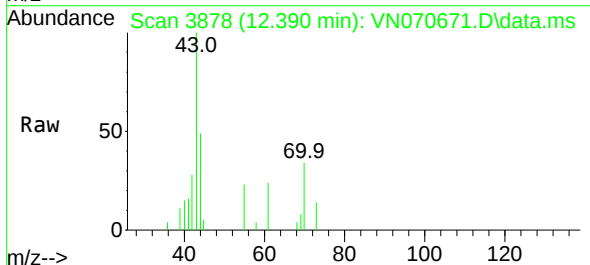
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

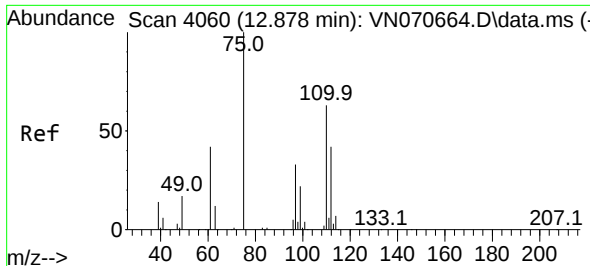
Tgt Ion:152 Resp: 524585
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 157.6 0.0 344.4



#74
N-ethyl acetate
Concen: 0.523 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.005 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

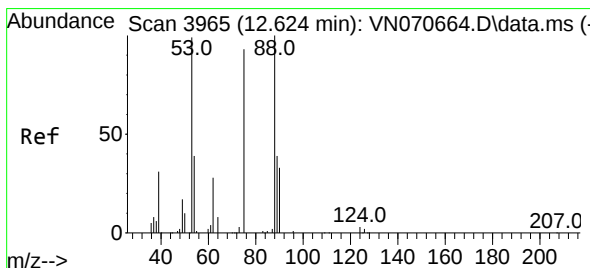
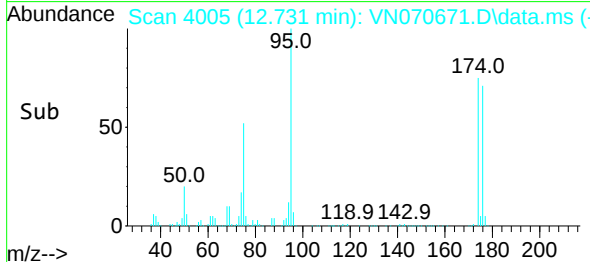
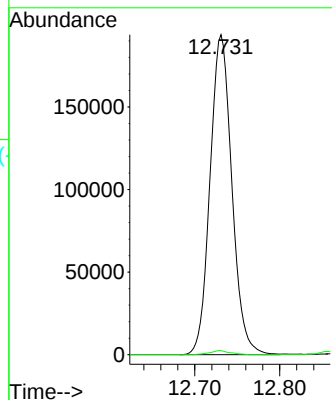
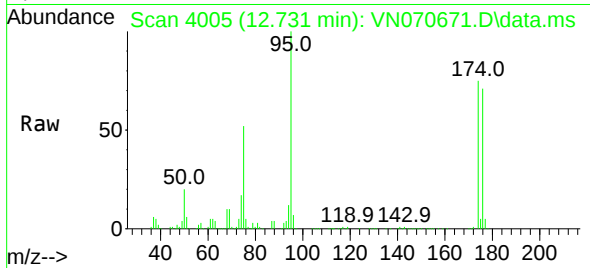
Tgt Ion: 43 Resp: 10608
Ion Ratio Lower Upper
43 100
70 36.1 33.4 50.0
55 22.7 19.3 28.9
61 21.1 18.5 27.7





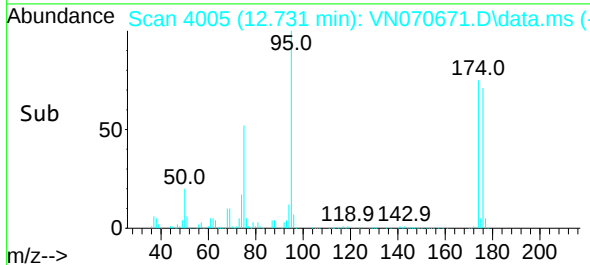
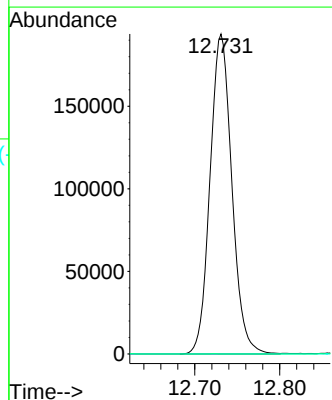
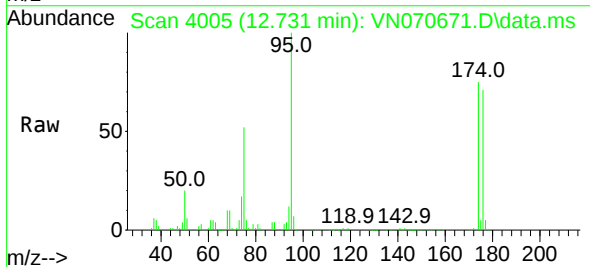
#76
1,2,3-Trichloropropane
Concen: 24.839 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

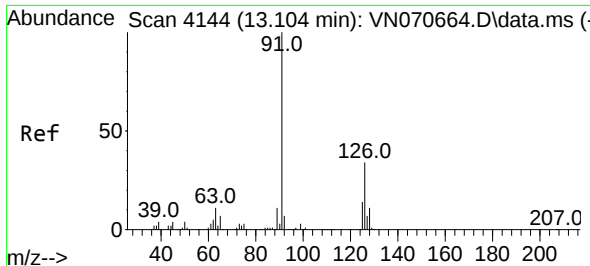
Tgt Ion: 75 Resp: 345595
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.000 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

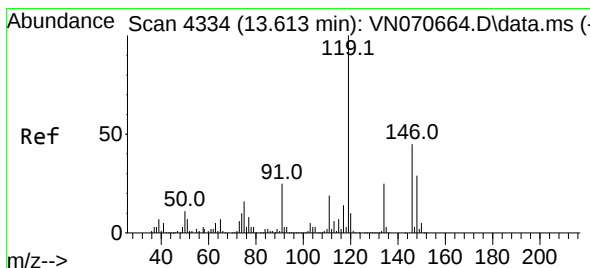
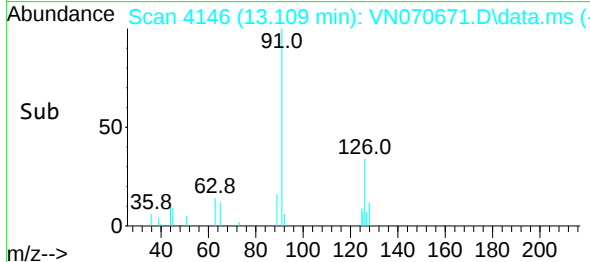
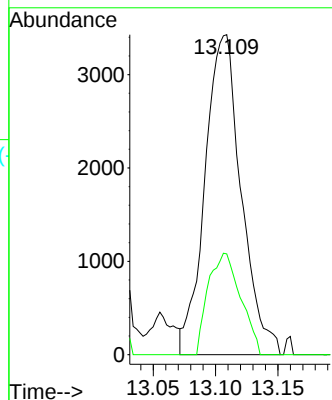
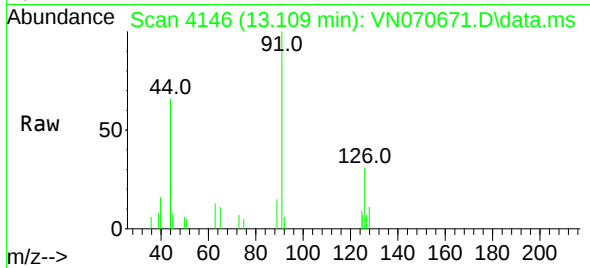
Tgt Ion: 75 Resp: 345595
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





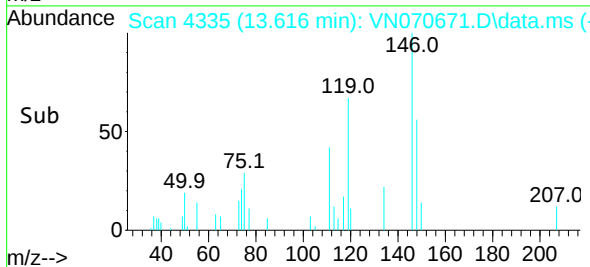
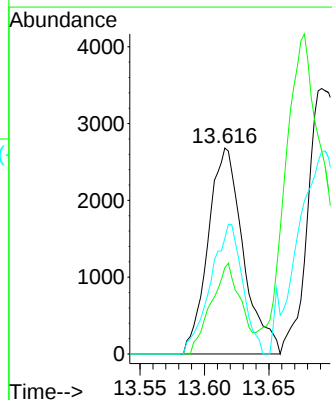
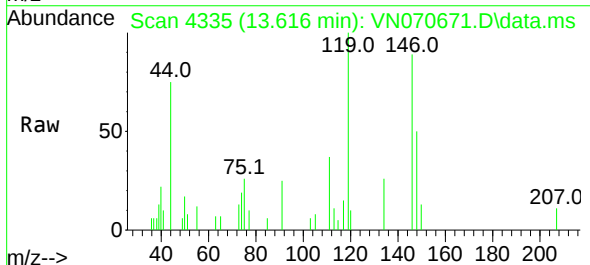
#82
4-Chlorotoluene
Concen: 0.211 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.005 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

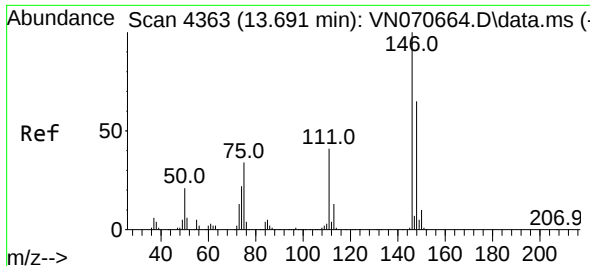
Tgt Ion: 91 Resp: 6930
Ion Ratio Lower Upper
91 100
126 28.4 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

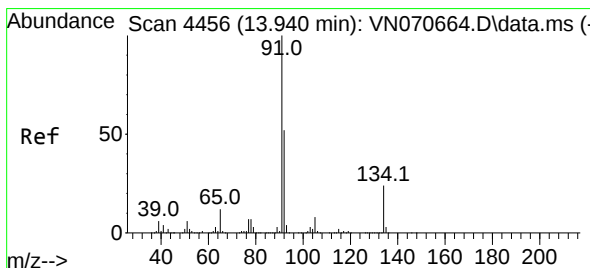
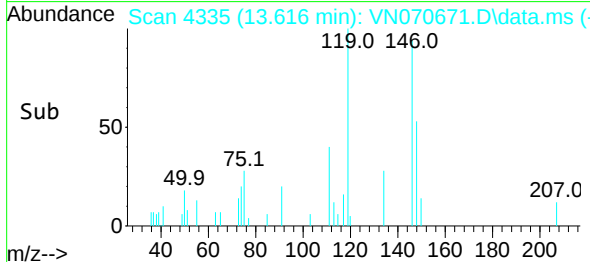
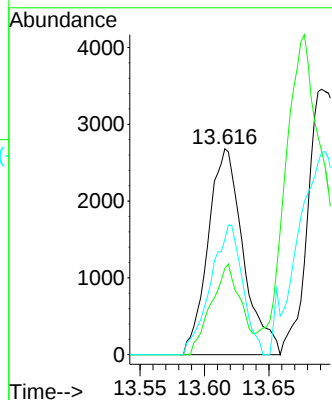
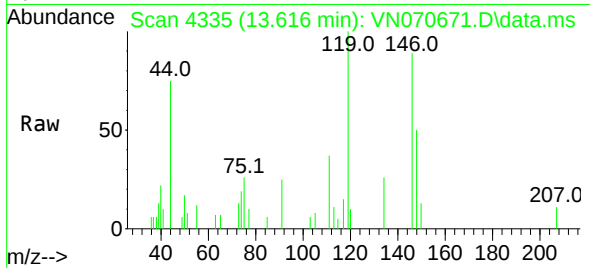
Tgt Ion: 146 Resp: 5073
Ion Ratio Lower Upper
146 100
111 36.8 18.6 55.6
148 57.6 31.6 95.0





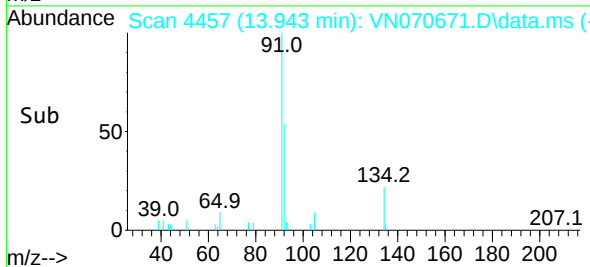
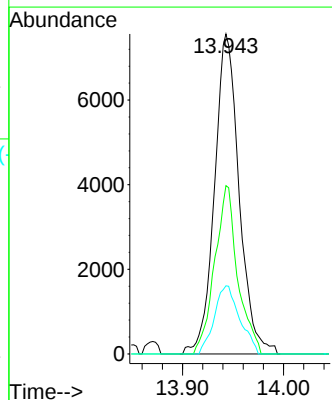
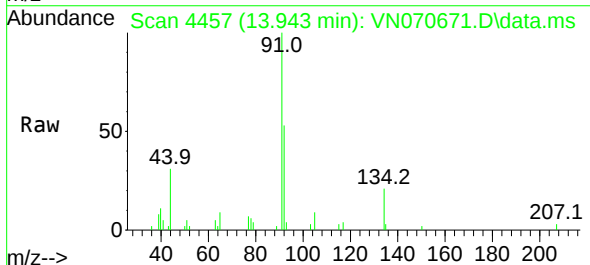
#88
1,4-Dichlorobenzene
Concen: 0.275 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.075 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

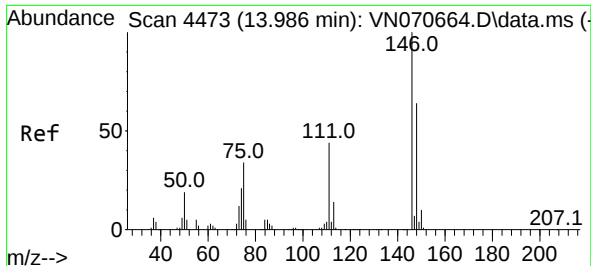
Tgt Ion:146	Resp:	5073	
Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	57.6	31.8	95.4



#89
n-Butylbenzene
Concen: 0.415 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

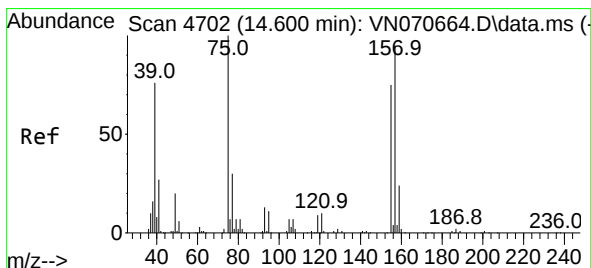
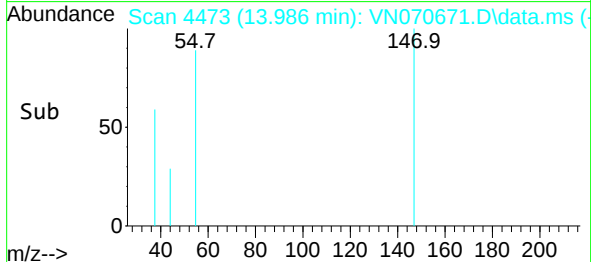
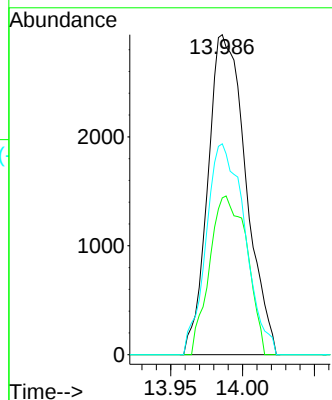
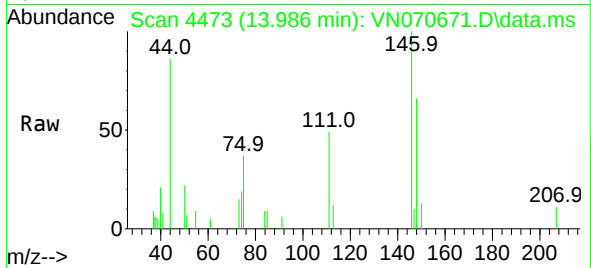
Tgt Ion: 91	Resp:	12781	
Ion Ratio	Lower	Upper	
91	100		
92	49.0	25.4	76.0
134	21.9	13.6	40.8





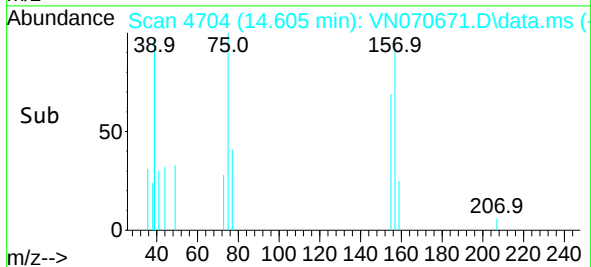
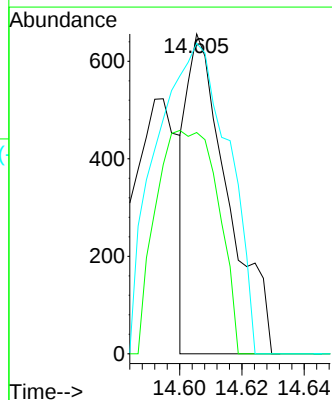
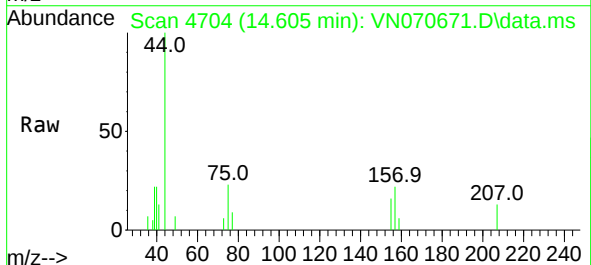
#91
1,2-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.000 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

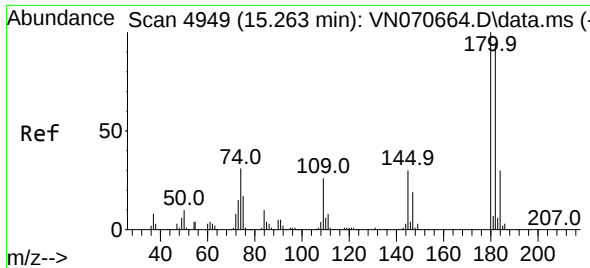
Tgt Ion:146 Resp: 5390
Ion Ratio Lower Upper
146 100
111 48.8 19.1 57.3
148 67.1 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.210 ug/l
RT: 14.605 min Scan# 4704
Delta R.T. 0.005 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

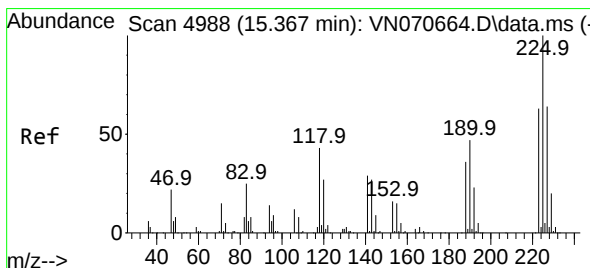
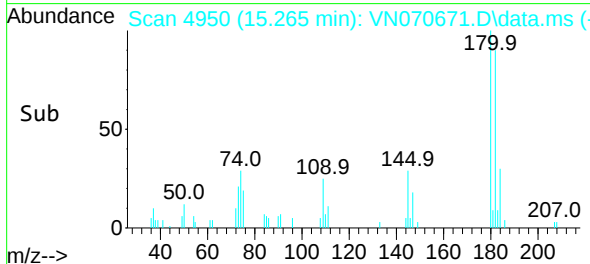
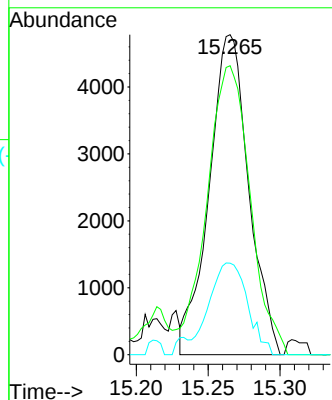
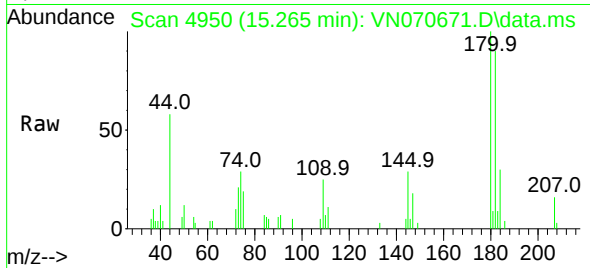
Tgt Ion: 75 Resp: 597
Ion Ratio Lower Upper
75 100
155 106.4 46.9 140.7
157 173.0 60.6 181.7





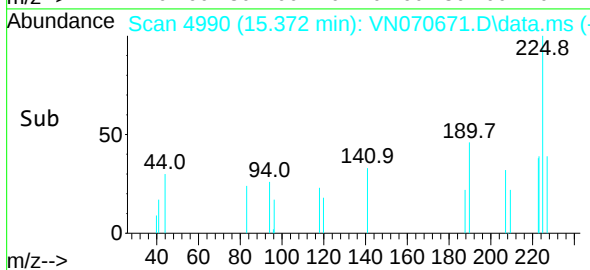
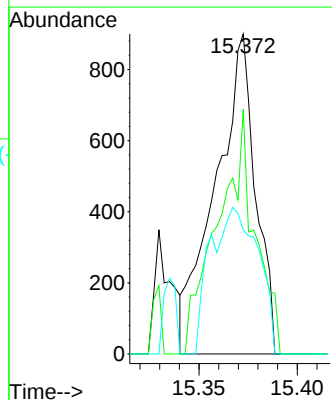
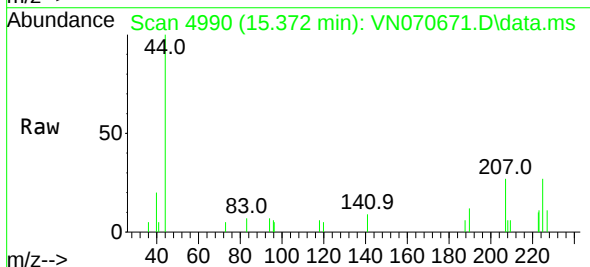
#93
1,2,4-Trichlorobenzene
Concen: 4.305 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

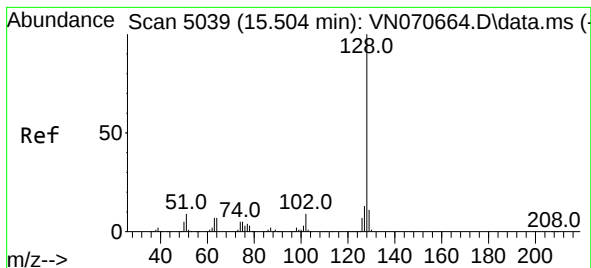
Tgt Ion:180 Resp: 9150
Ion Ratio Lower Upper
180 100
182 98.8 48.3 144.9
145 27.9 14.5 43.5



#94
Hexachlorobutadiene
Concen: 0.235 ug/l
RT: 15.372 min Scan# 4990
Delta R.T. 0.005 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

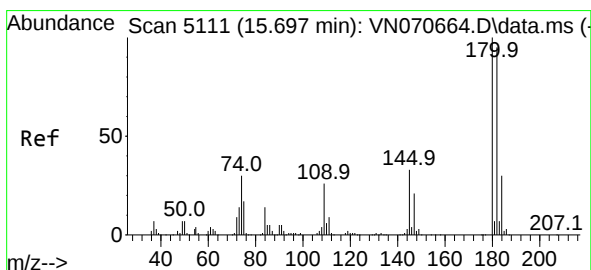
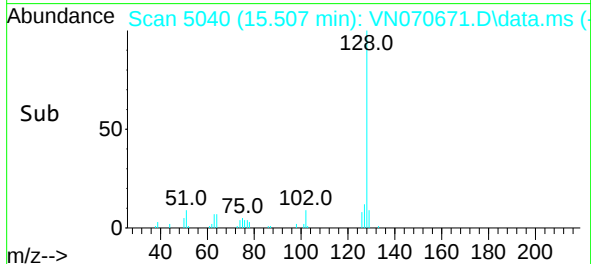
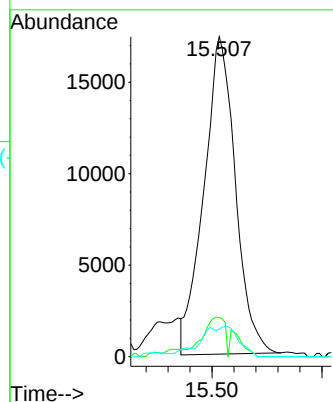
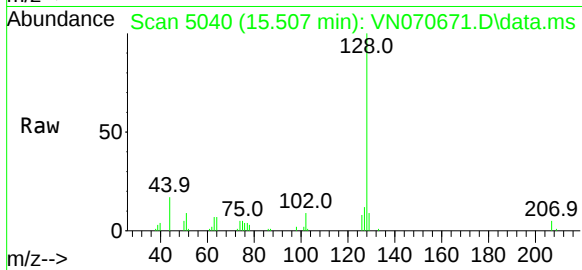
Tgt Ion:225 Resp: 1272
Ion Ratio Lower Upper
225 100
223 70.8 31.9 95.7
227 54.6 32.1 96.3





#95
Naphthalene
Concen: 6.093 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

Tgt Ion:128 Resp: 34549
Ion Ratio Lower Upper
128 100
127 8.7 10.5 15.7#
129 2.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.435 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.003 min
Lab File: VN070671.D
Acq: 18 Jan 2022 17:36

Tgt Ion:180 Resp: 12075
Ion Ratio Lower Upper
180 100
182 103.9 47.4 142.2
145 34.4 15.0 45.1

