

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011822\
 Data File : VN070682.D
 Acq On : 18 Jan 2022 22:23
 Operator : JC/MD
 Sample : N1148-05DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jan 19 03:42:16 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

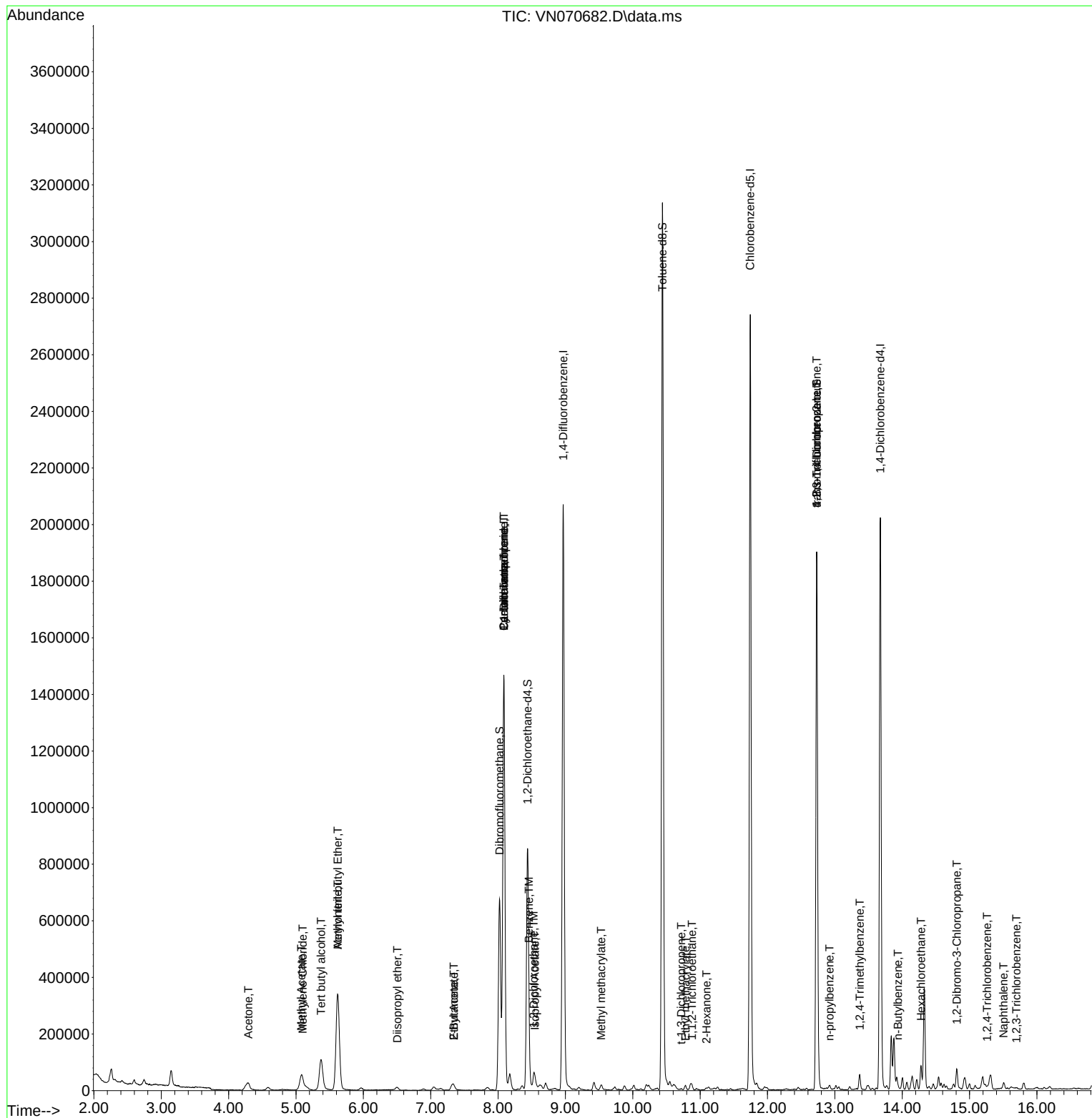
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

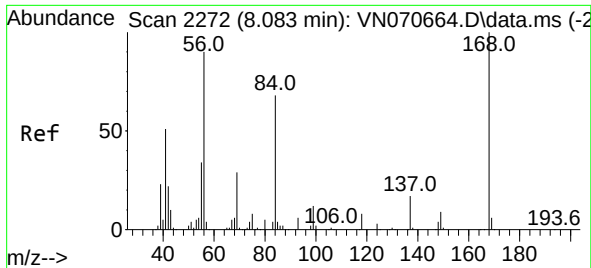
Internal Standards						
1) Pentafluorobenzene	8.086	168	1115596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1786800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1565474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	568054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	726399	45.433	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.860%		
35) Dibromofluoromethane	8.021	113	514472	46.418	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.840%		
50) Toluene-d8	10.440	98	2206655	47.260	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.520%		
62) 4-Bromofluorobenzene	12.731	95	711981	42.791	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.580%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.371	59	209936	72.781	ug/l	97
15) Acrylonitrile	5.618	53	7762	0.846	ug/l #	25
16) Acetone	4.293	43	48420	4.363	ug/l	94
18) Methyl Acetate	5.079	43	62834	2.879	ug/l #	51
19) Methyl tert-butyl Ether	5.618	73	510266	11.574	ug/l #	83
20) Methylene Chloride	5.101	84	3812	0.261	ug/l #	79
22) Diisopropyl ether	6.503	45	14495	0.272	ug/l #	82
25) 2-Butanone	7.343	43	24491	1.754	ug/l #	83
30) Chloroform	7.820	83	2560	Below Cal		85
31) Cyclohexane	8.086	56	26632	0.946	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	93459	5.009	ug/l #	48
37) Ethyl Acetate	7.343	43	24491	0.989	ug/l #	69
38) Carbon Tetrachloride	8.086	117	109458	6.594	ug/l #	16
40) Benzene	8.458	78	14732	0.255	ug/l	92
42) 1,2-Dichloroethane	8.531	62	5954	0.297	ug/l	85
43) Isopropyl Acetate	8.544	43	18008	0.476	ug/l #	61
48) Methyl methacrylate	9.531	41	5111	0.284	ug/l #	31
53) t-1,3-Dichloropropene	10.719	75	263	2.415	ug/l	98
55) 1,1,2-Trichloroethane	10.877	97	5792	0.426	ug/l #	20
56) Ethyl methacrylate	10.784	69	1909	2.372	ug/l #	28
59) 2-Hexanone	11.095	43	5614	0.320	ug/l #	35
76) 1,2,3-Trichloropropane	12.731	75	370558	24.595	ug/l #	1
78) n-propylbenzene	12.921	91	13960	0.232	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.731	75	370558	73.273	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	31714	0.759	ug/l	96
89) n-Butylbenzene	13.938	91	8995	0.270	ug/l #	66
90) Hexachloroethane	14.278	117	36649	5.189	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.809	75	835	0.271	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.260	180	1753	3.581	ug/l #	76
95) Naphthalene	15.504	128	20572	5.578	ug/l	98
96) 1,2,3-Trichlorobenzene	15.697	180	2013	3.404	ug/l #	84

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

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Sample : N1148-05DL 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

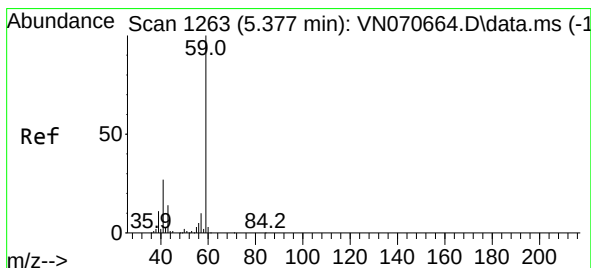
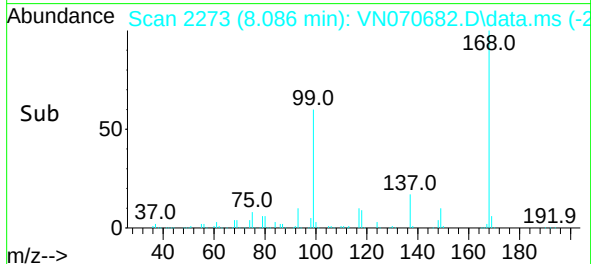
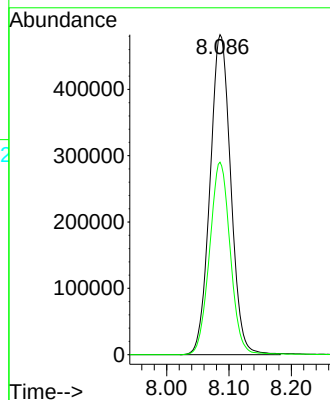
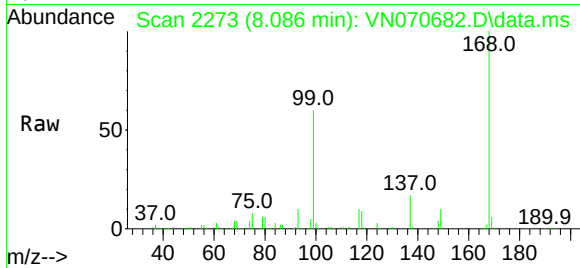
Quant Time: Jan 19 03:42:16 2022
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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
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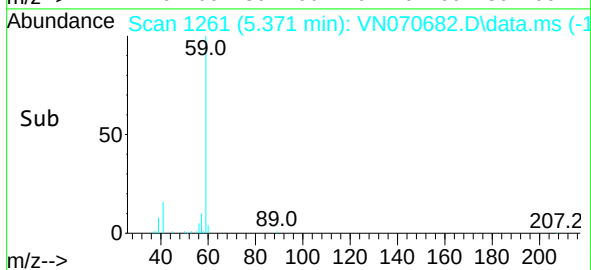
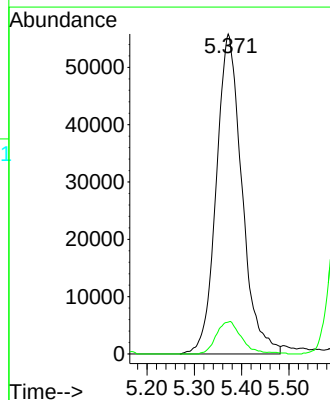
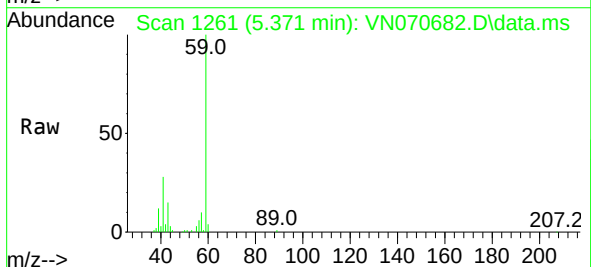
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. 0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

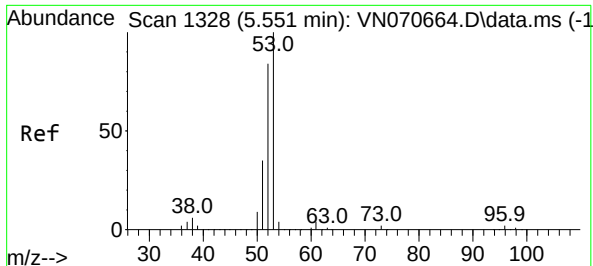
Tgt Ion:168 Resp: 1115596
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 72.781 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

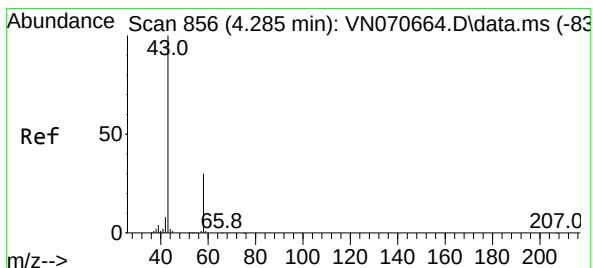
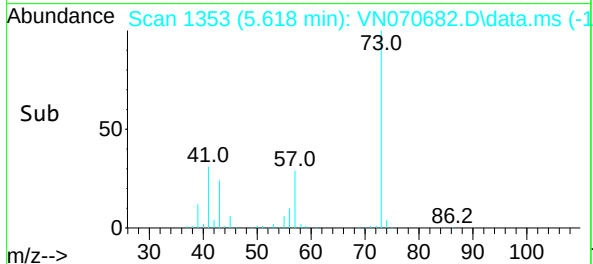
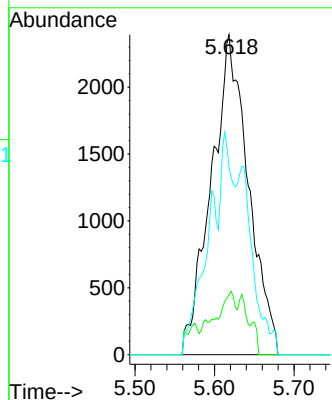
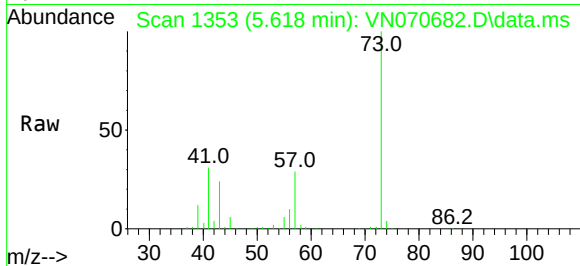
Tgt Ion: 59 Resp: 209936
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1





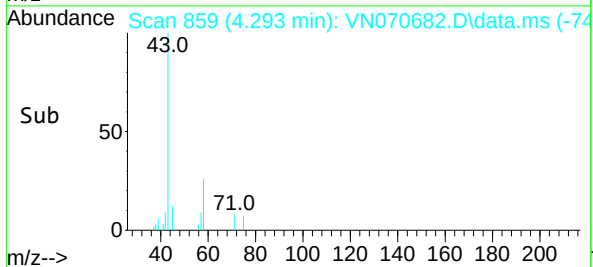
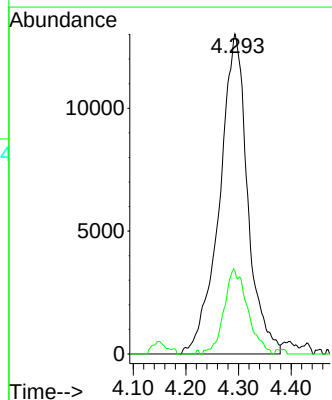
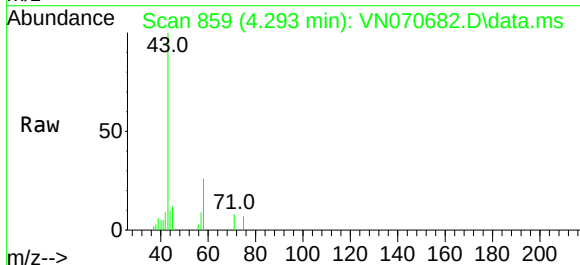
#15
Acrylonitrile
Concen: 0.846 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.067 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

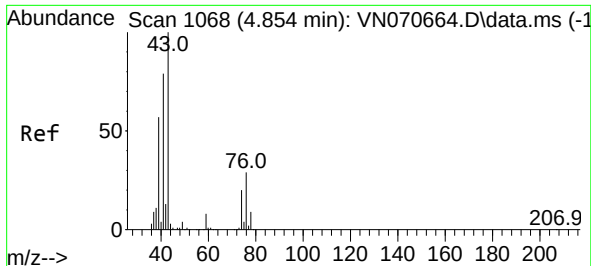
Tgt Ion: 53 Resp: 7762
Ion Ratio Lower Upper
53 100
52 4.5 66.2 99.2#
51 8.3 29.6 44.4#



#16
Acetone
Concen: 4.363 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

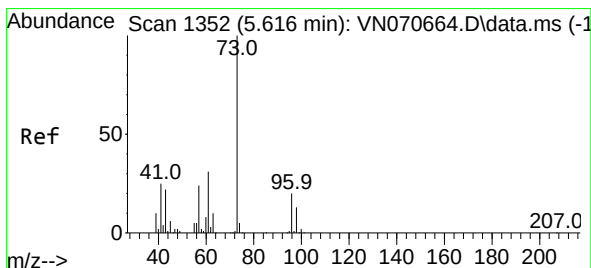
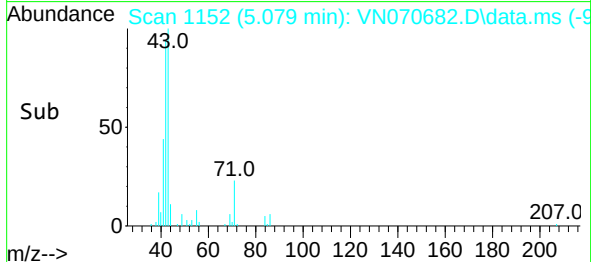
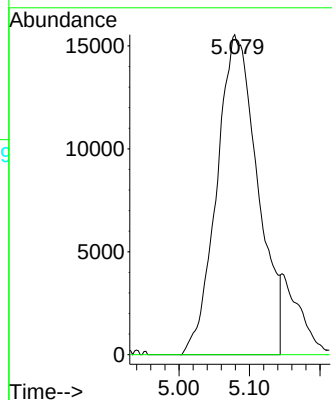
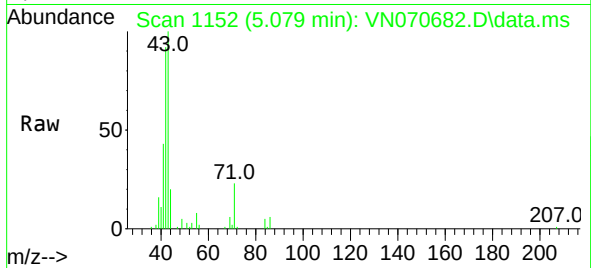
Tgt Ion: 43 Resp: 48420
Ion Ratio Lower Upper
43 100
58 25.9 23.1 34.7





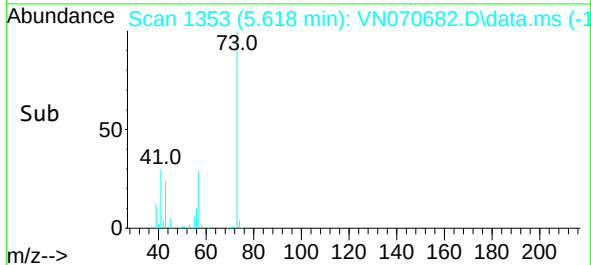
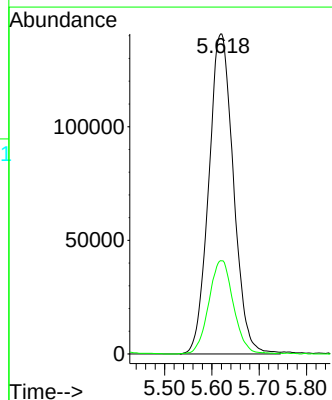
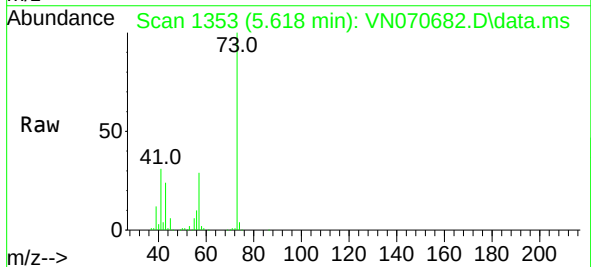
#18
Methyl Acetate
Concen: 2.879 ug/l
RT: 5.079 min Scan# 1152
Delta R.T. 0.225 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

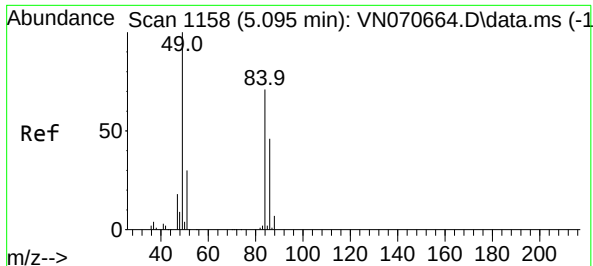
Tgt Ion: 43 Resp: 62834
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 11.574 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

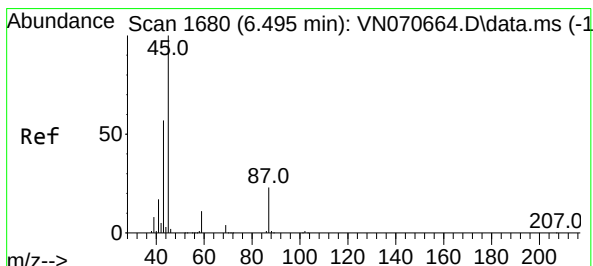
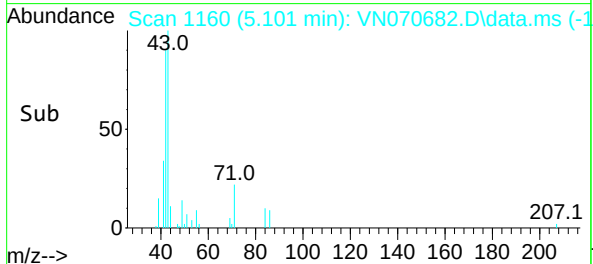
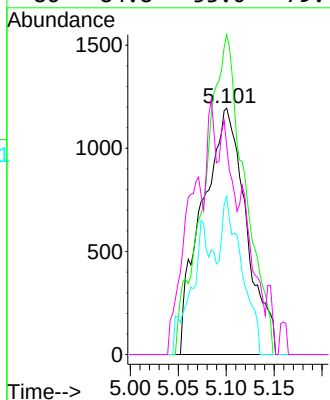
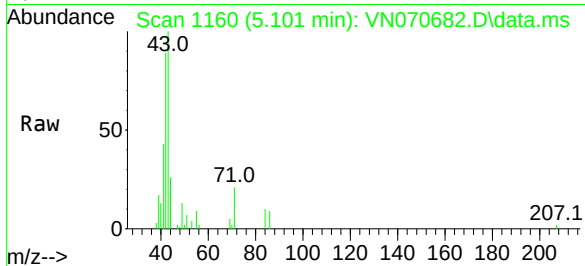
Tgt Ion: 73 Resp: 510266
Ion Ratio Lower Upper
73 100
57 29.0 16.8 25.2#





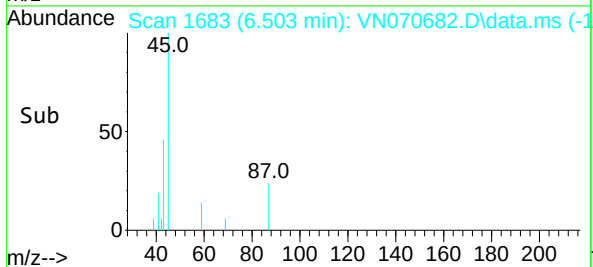
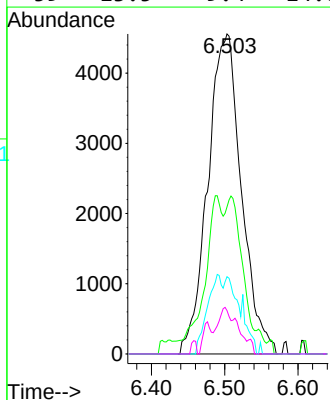
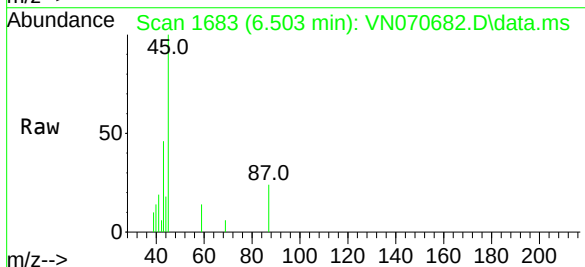
#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

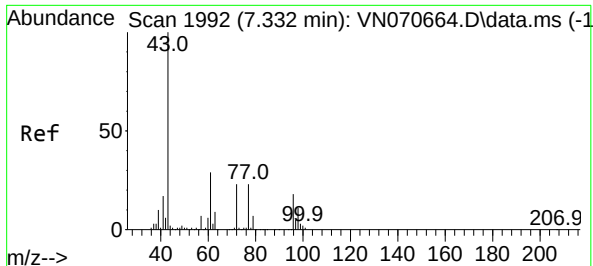
Tgt Ion:	84	Resp:	3812
Ion	Ratio	Lower	Upper
84	100		
49	129.8	93.5	140.3
51	64.2	29.4	44.2#
86	84.8	53.0	79.4#



#22
Diisopropyl ether
Concen: 0.272 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.008 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

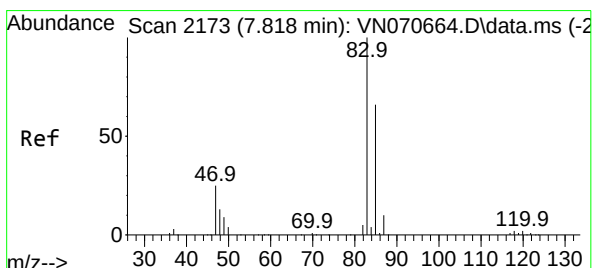
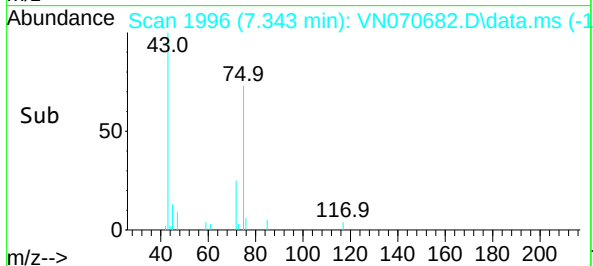
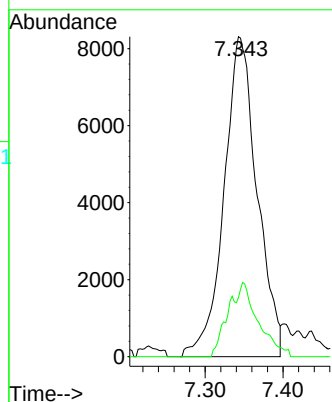
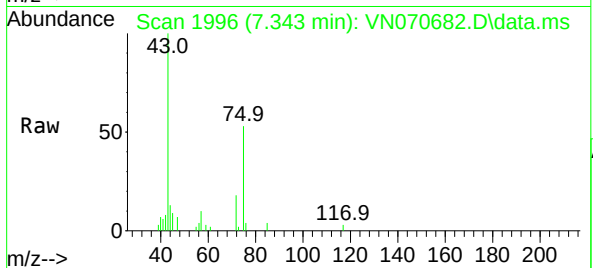
Tgt Ion:	45	Resp:	14495
Ion	Ratio	Lower	Upper
45	100		
43	46.0	51.7	77.5#
87	24.2	23.2	34.8
59	13.5	9.4	14.0





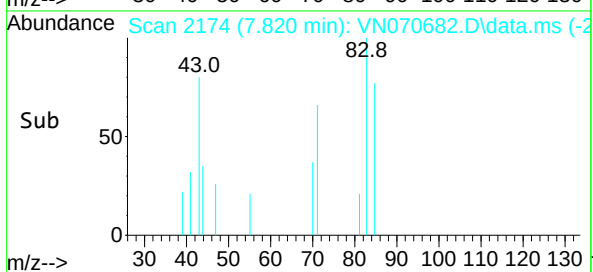
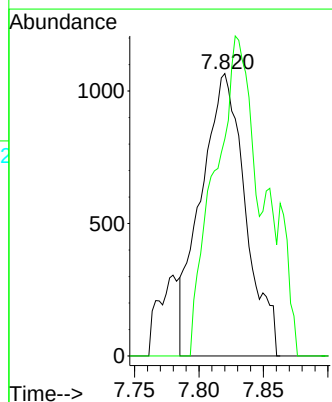
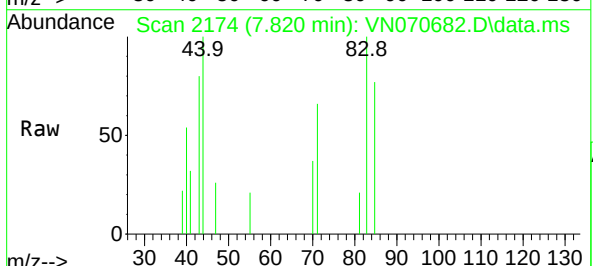
#25
2-Butanone
Concen: 1.754 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

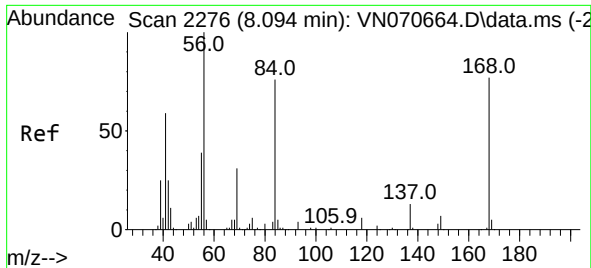
Tgt Ion: 43 Resp: 24491
Ion Ratio Lower Upper
43 100
72 18.4 21.7 32.5#



#30
Chloroform
Concen: Below Cal
RT: 7.820 min Scan# 2174
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

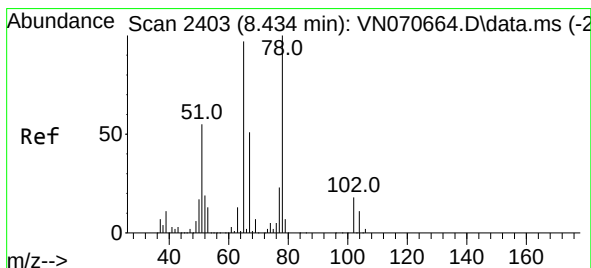
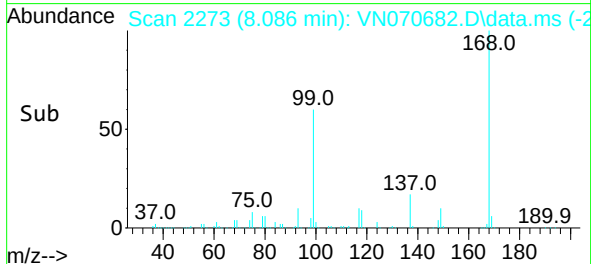
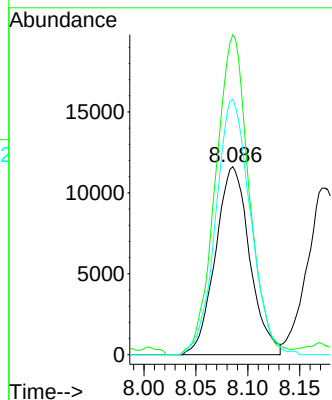
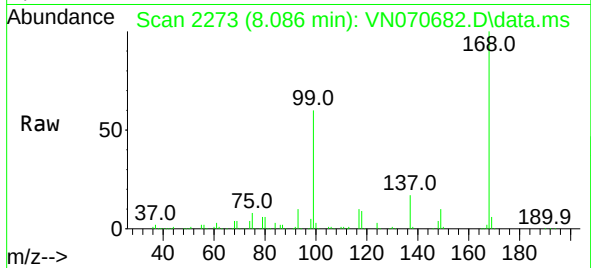
Tgt Ion: 83 Resp: 2560
Ion Ratio Lower Upper
83 100
85 76.9 51.9 77.9





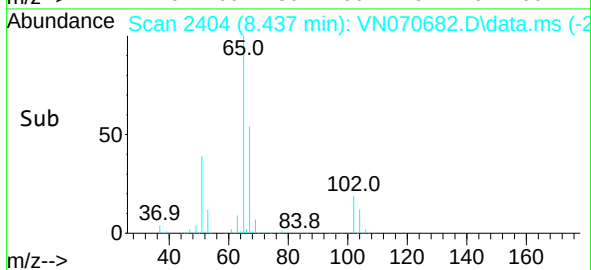
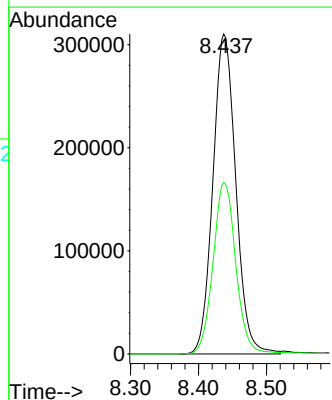
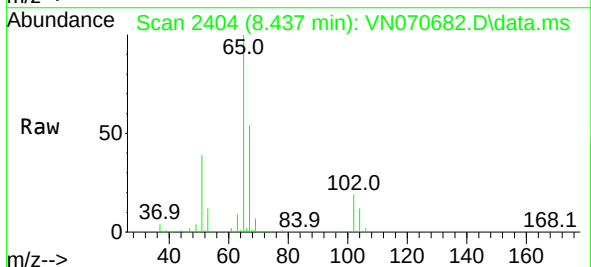
#31
Cyclohexane
Concen: 0.946 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

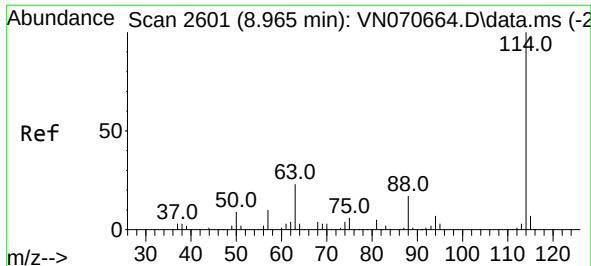
Tgt Ion: 56 Resp: 26632
Ion Ratio Lower Upper
56 100
69 170.1 27.1 40.7#
84 135.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 45.433 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

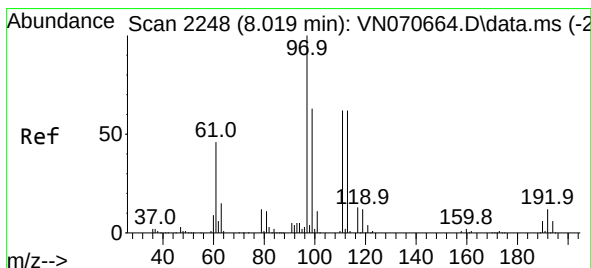
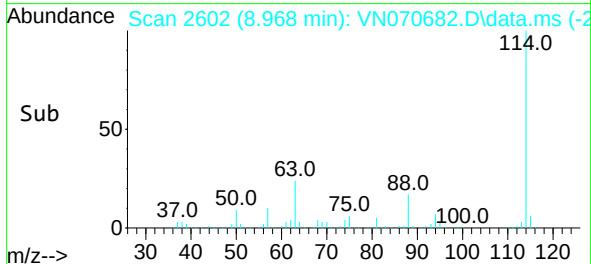
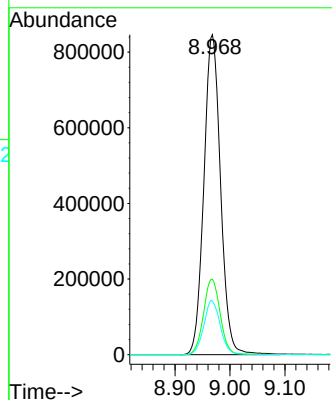
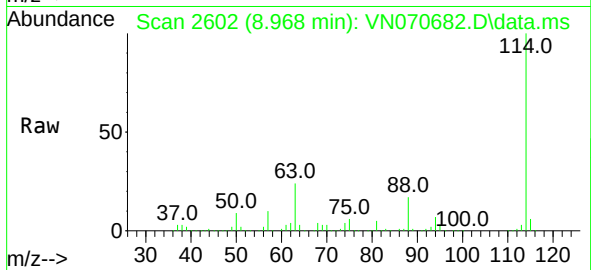
Tgt Ion: 65 Resp: 726399
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0





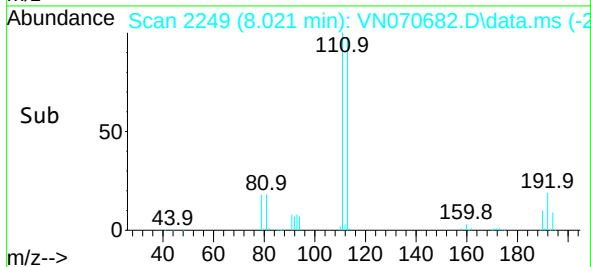
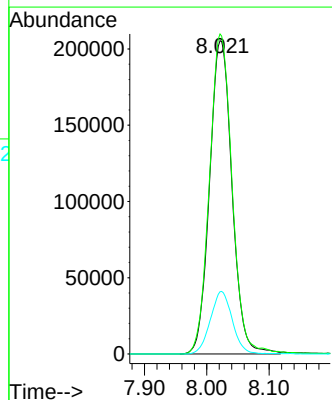
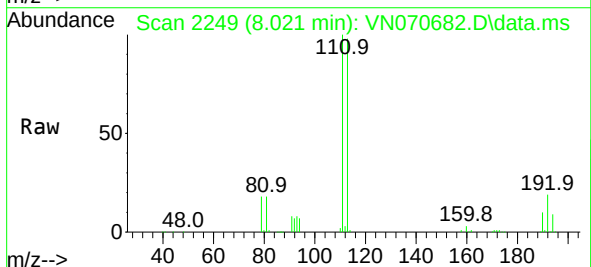
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

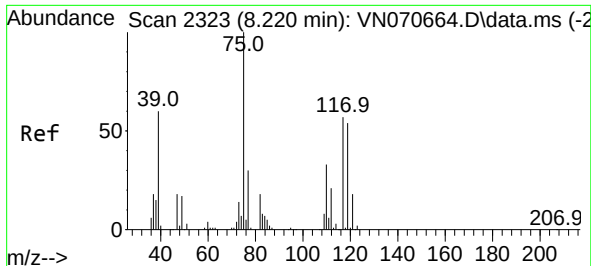
Tgt Ion:114 Resp: 1786800
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.418 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

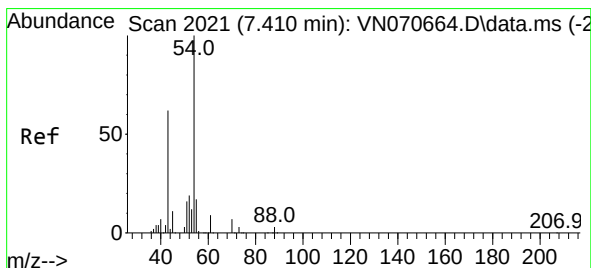
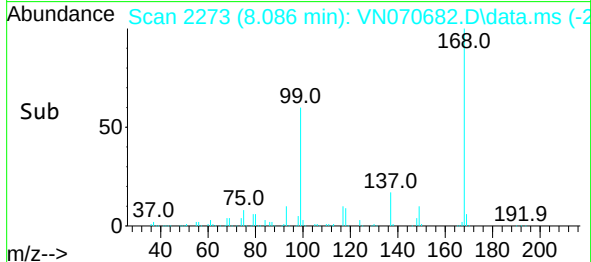
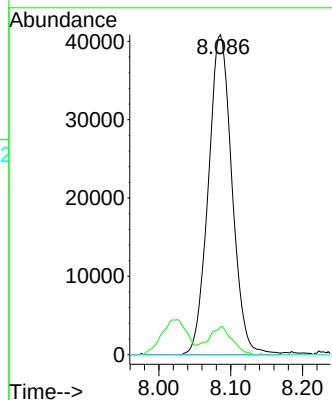
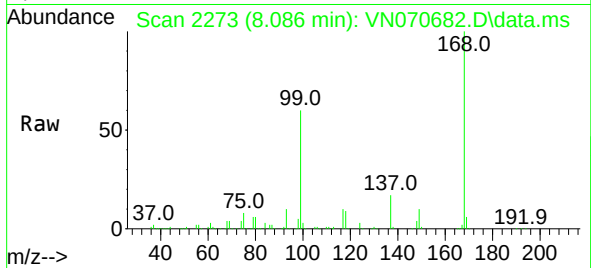
Tgt Ion:113 Resp: 514472
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 19.5 16.9 25.3





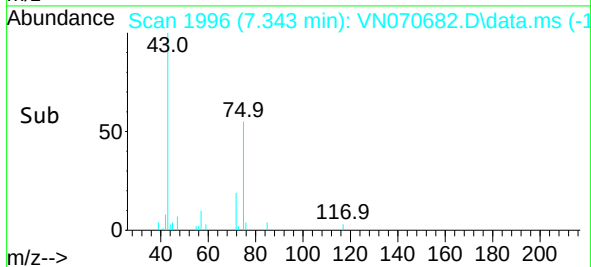
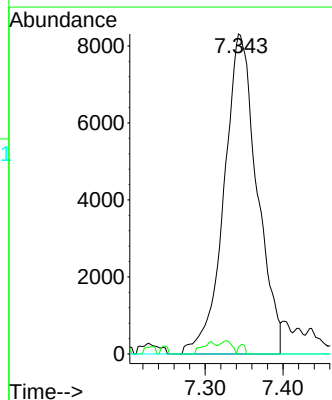
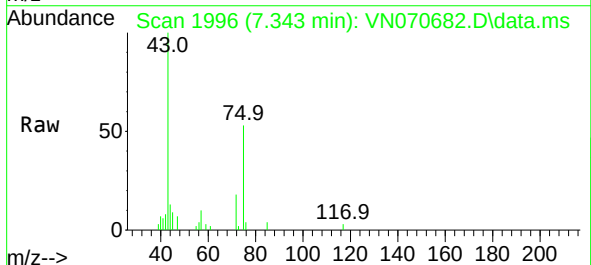
#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

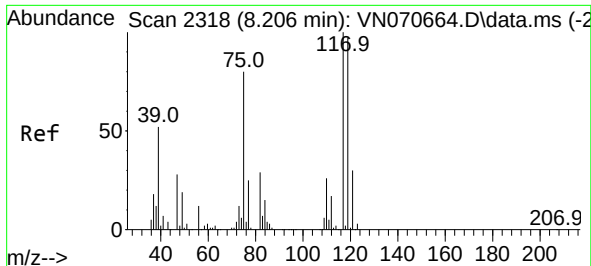
Tgt Ion: 75 Resp: 93459
Ion Ratio Lower Upper
75 100
110 7.8 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.989 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

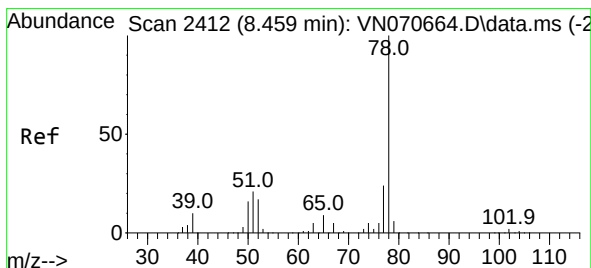
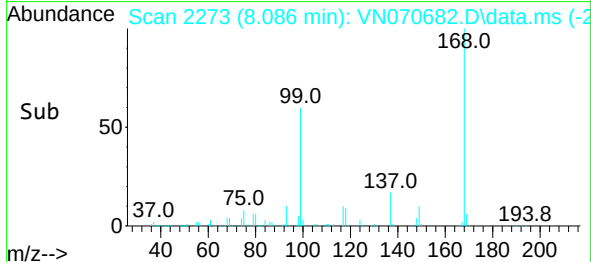
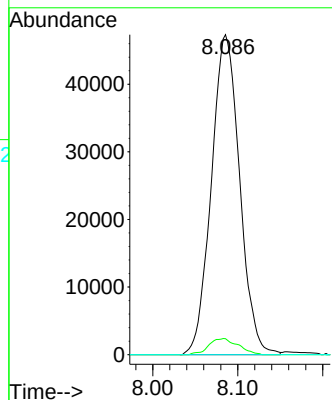
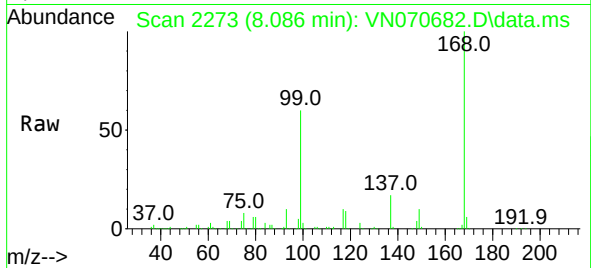
Tgt Ion: 43 Resp: 24491
Ion Ratio Lower Upper
43 100
61 0.6 11.5 17.3#
70 0.0 7.9 11.9#





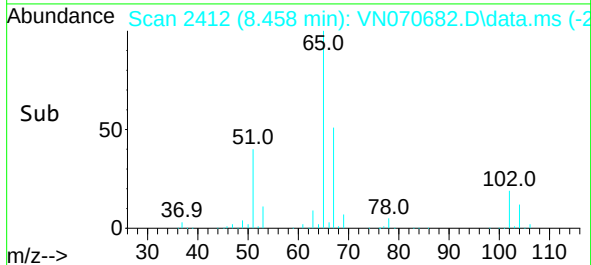
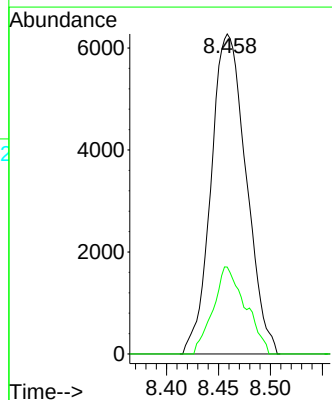
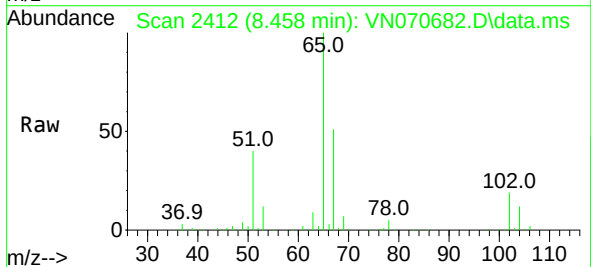
#38
Carbon Tetrachloride
Concen: 6.594 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

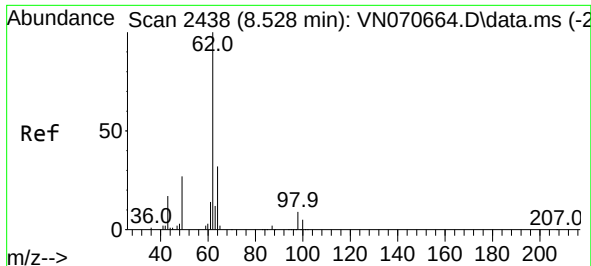
Tgt Ion: 117 Resp: 109458
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.255 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.001 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

Tgt Ion: 78 Resp: 14732
Ion Ratio Lower Upper
78 100
77 27.2 18.6 27.8





#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 8.531 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VN070682.D

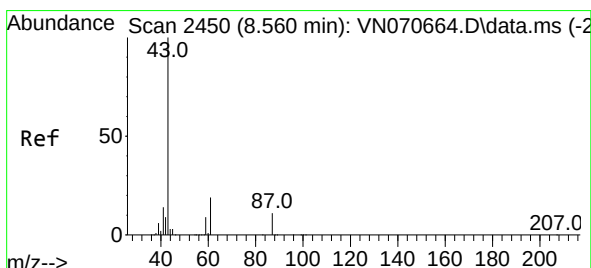
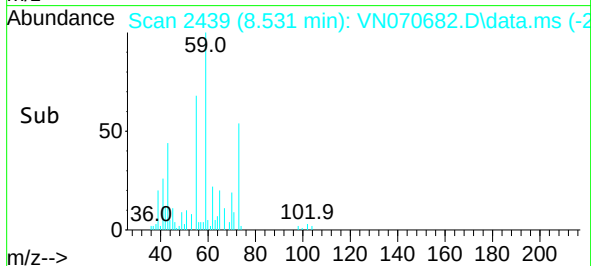
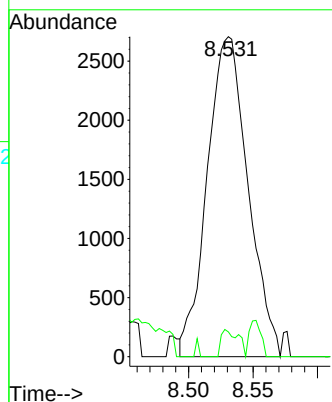
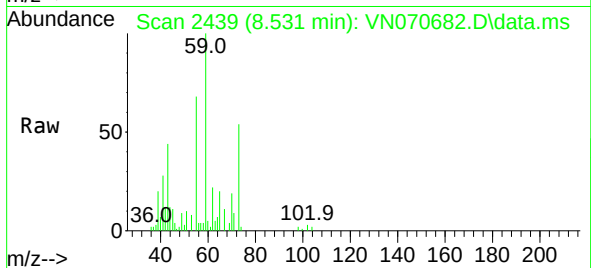
Acq: 18 Jan 2022 22:23

Tgt Ion: 62 Resp: 5954

Ion Ratio Lower Upper

62 100

98 3.5 0.0 17.6



#43

Isopropyl Acetate

Concen: 0.476 ug/l

RT: 8.544 min Scan# 2444

Delta R.T. -0.016 min

Lab File: VN070682.D

Acq: 18 Jan 2022 22:23

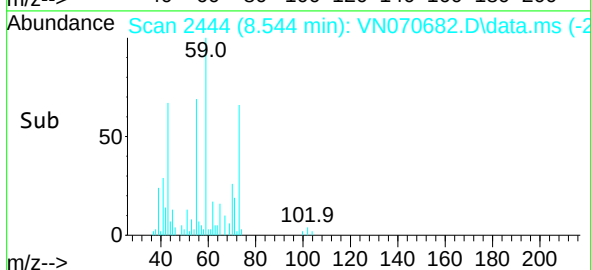
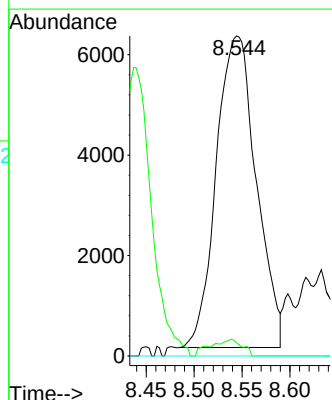
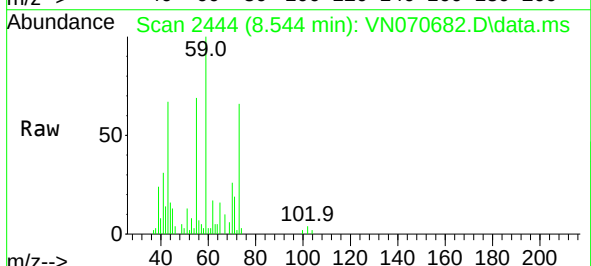
Tgt Ion: 43 Resp: 18008

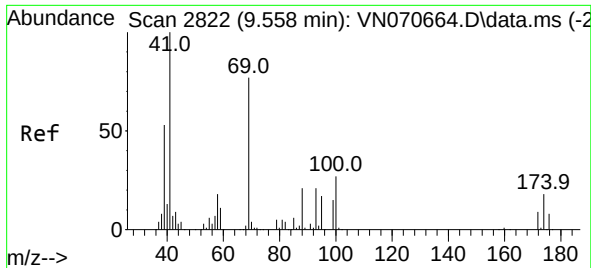
Ion Ratio Lower Upper

43 100

61 4.2 20.4 30.6#

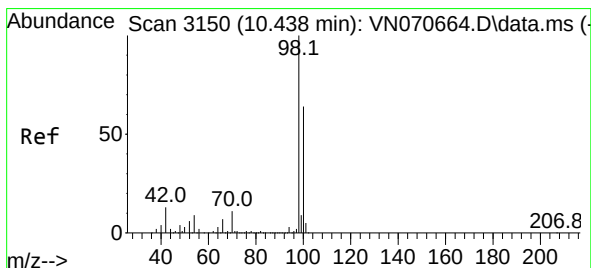
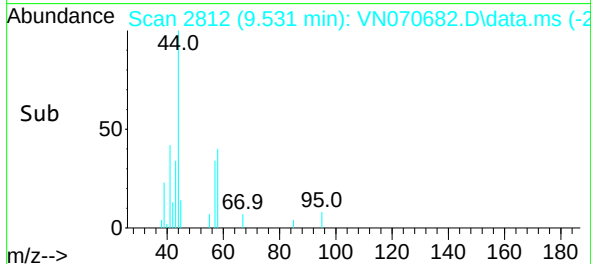
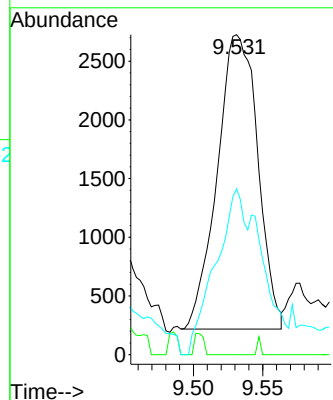
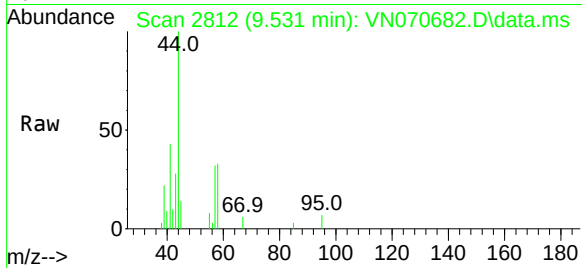
87 0.0 11.2 16.8#





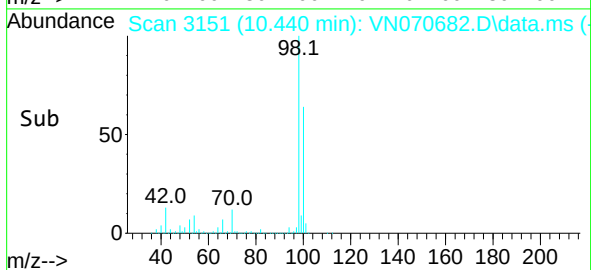
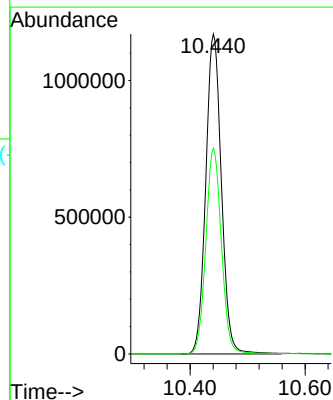
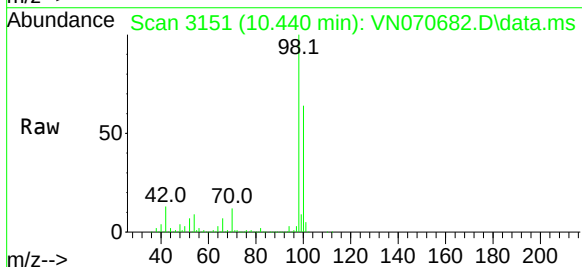
#48
Methyl methacrylate
Concen: 0.284 ug/l
RT: 9.531 min Scan# 2812
Delta R.T. -0.027 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

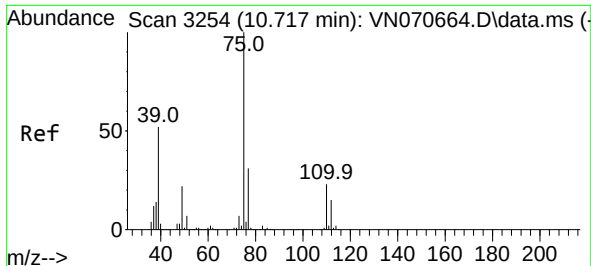
Tgt Ion: 41 Resp: 5111
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 42.1 58.4 87.6#



#50
Toluene-d8
Concen: 47.260 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

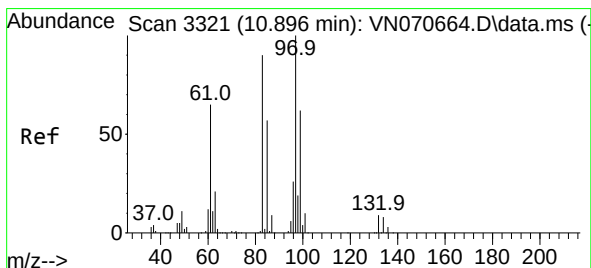
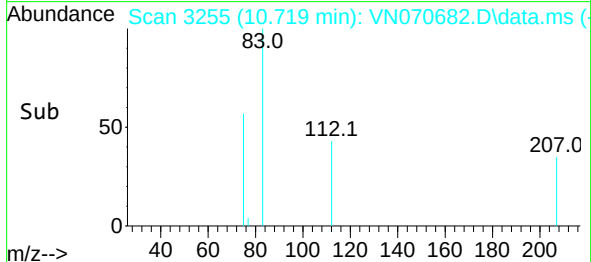
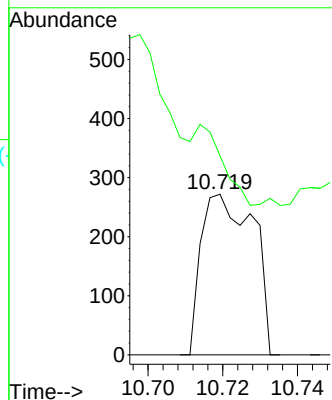
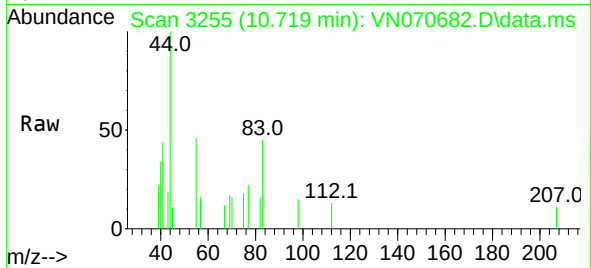
Tgt Ion: 98 Resp: 2206655
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6





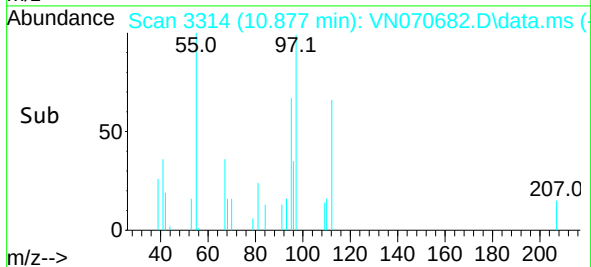
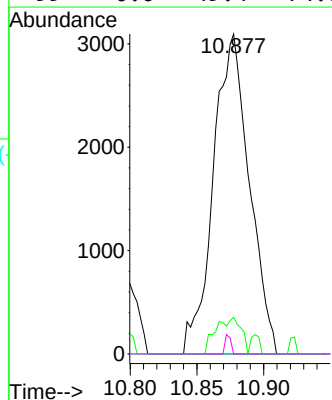
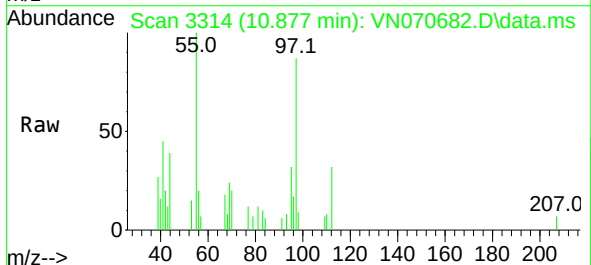
#53
t-1,3-Dichloropropene
Concen: 2.415 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

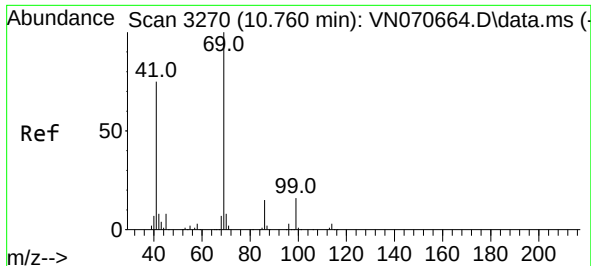
Tgt Ion: 75 Resp: 263
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4



#55
1,1,2-Trichloroethane
Concen: 0.426 ug/l
RT: 10.877 min Scan# 3314
Delta R.T. -0.019 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

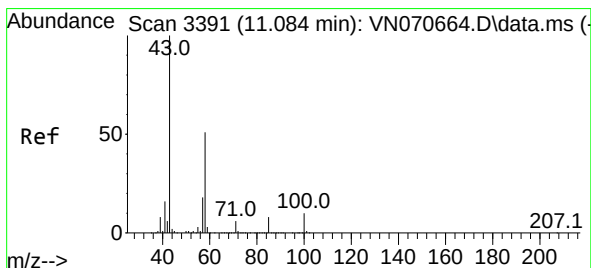
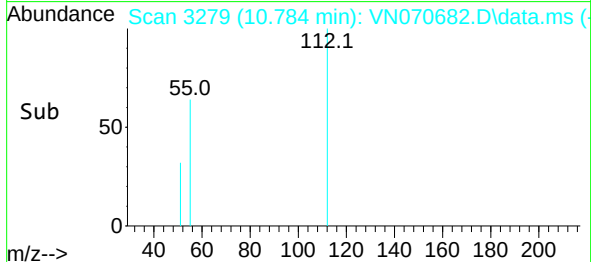
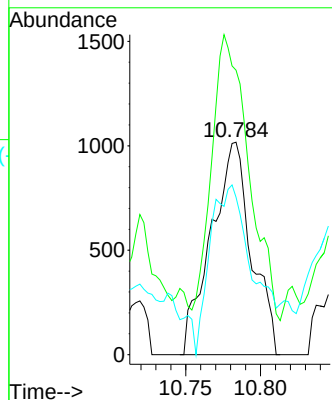
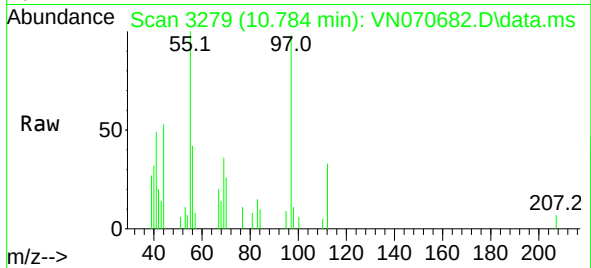
Tgt Ion: 97 Resp: 5792
Ion Ratio Lower Upper
97 100
83 11.4 67.8 101.6#
85 0.0 45.4 68.2#
99 0.0 49.4 74.0#





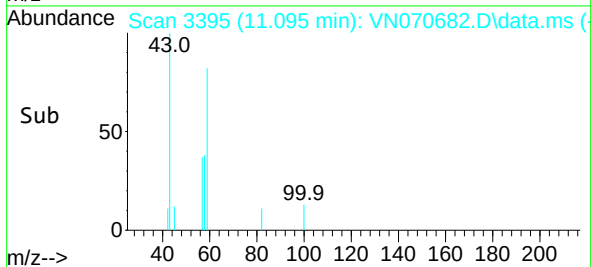
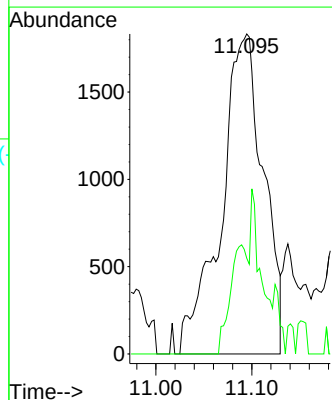
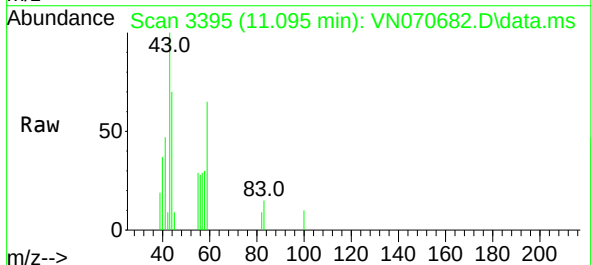
#56
Ethyl methacrylate
Concen: 2.372 ug/l
RT: 10.784 min Scan# 3279
Delta R.T. 0.024 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

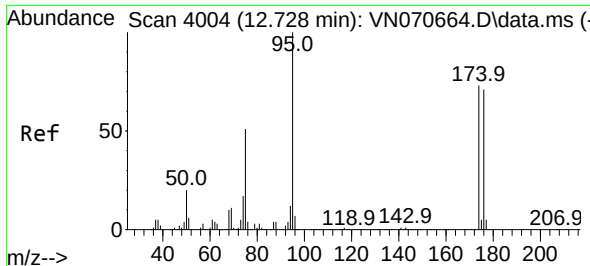
Tgt Ion: 69 Resp: 1909
Ion Ratio Lower Upper
69 100
41 123.4 51.4 77.0#
39 86.3 34.6 52.0#



#59
2-Hexanone
Concen: 0.320 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.011 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

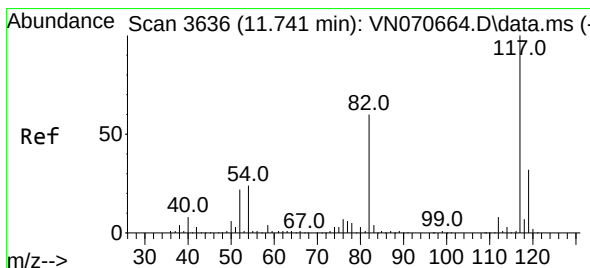
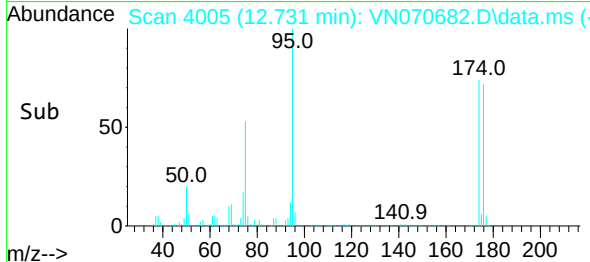
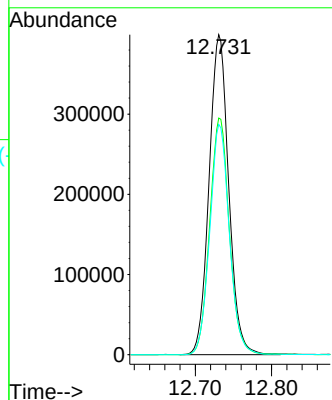
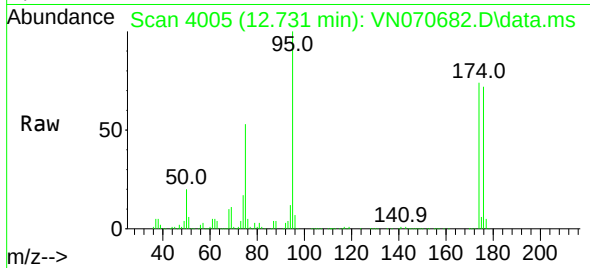
Tgt Ion: 43 Resp: 5614
Ion Ratio Lower Upper
43 100
58 7.3 26.9 80.7#





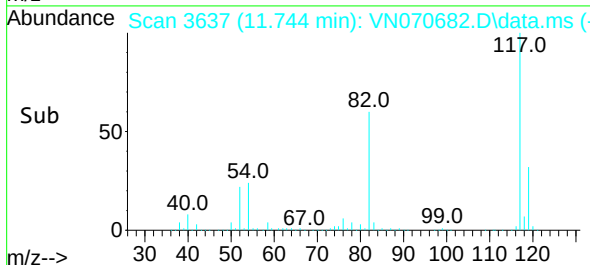
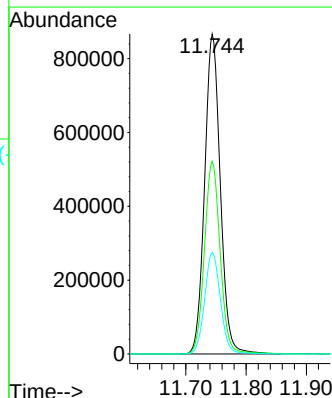
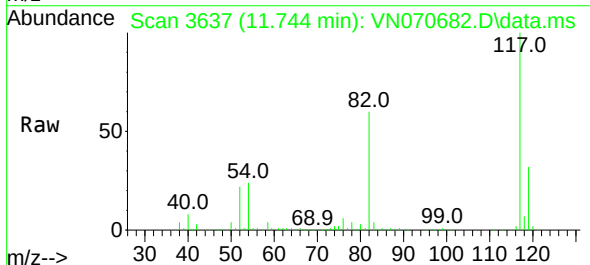
#62
4-Bromofluorobenzene
Concen: 42.791 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

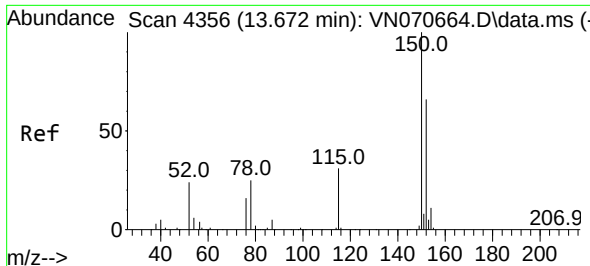
Tgt Ion: 95 Resp: 711981
Ion Ratio Lower Upper
95 100
174 74.2 0.0 187.2
176 71.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

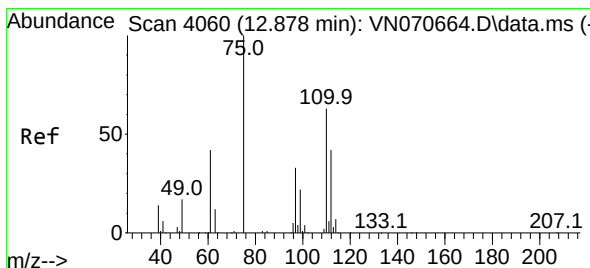
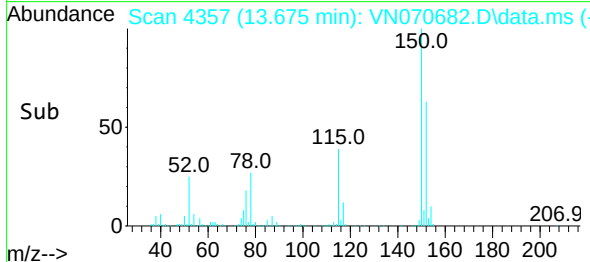
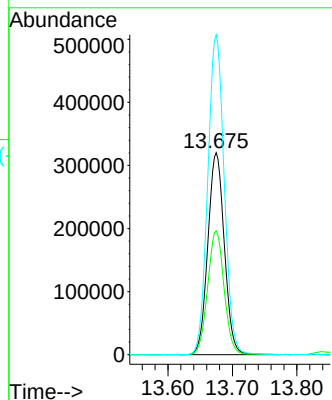
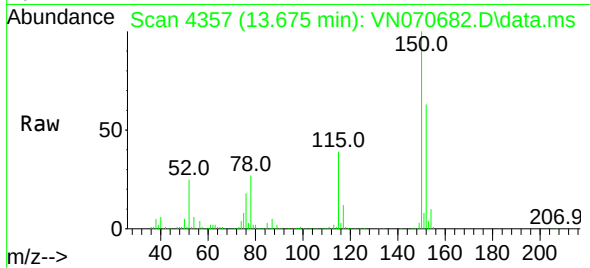
Tgt Ion: 117 Resp: 1565474
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 31.7 25.4 38.2





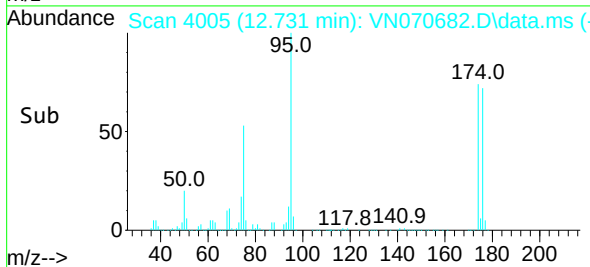
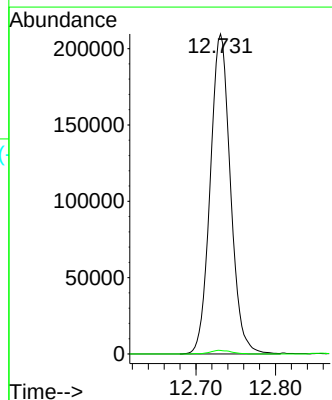
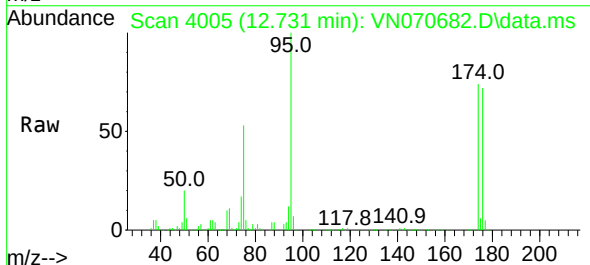
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

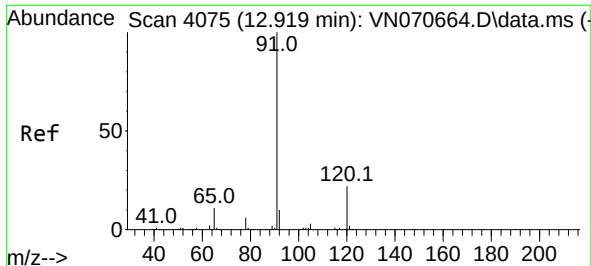
Tgt Ion:152 Resp: 568054
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.595 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

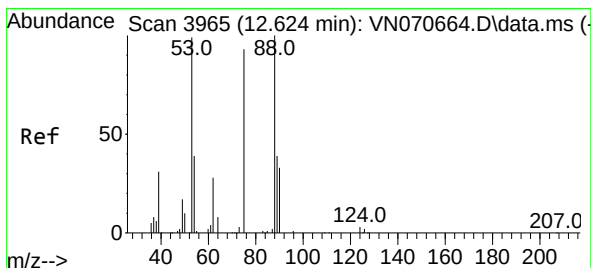
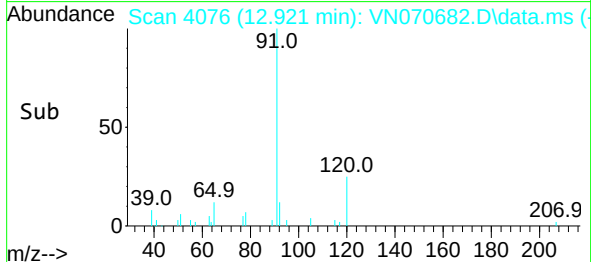
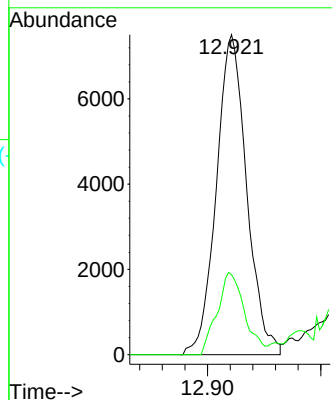
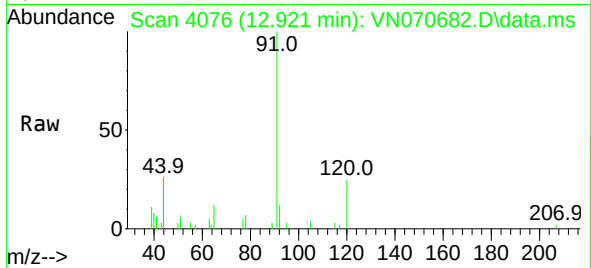
Tgt Ion: 75 Resp: 370558
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#





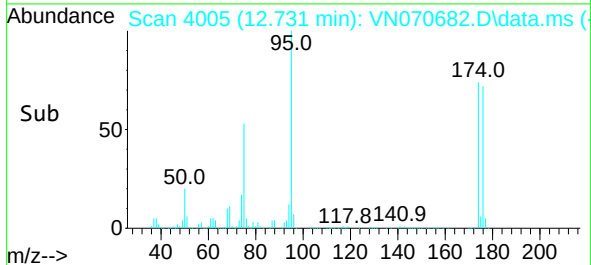
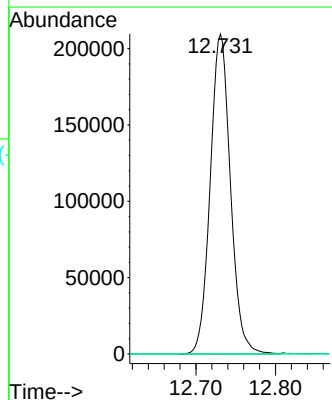
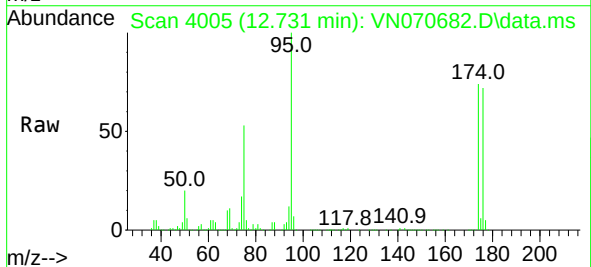
#78
n-propylbenzene
Concen: 0.232 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

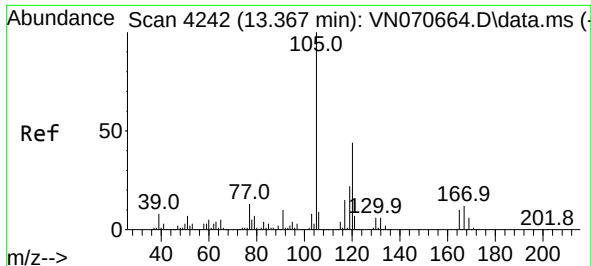
Tgt Ion: 91 Resp: 13960
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.9



#81
trans-1,4-Dichloro-2-butene
Concen: 73.273 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

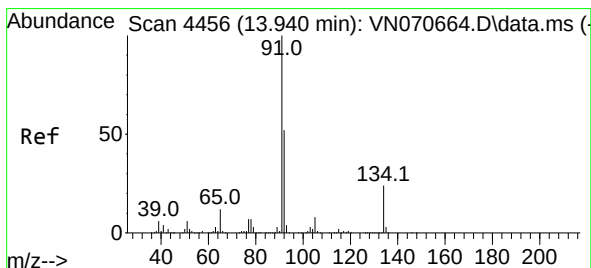
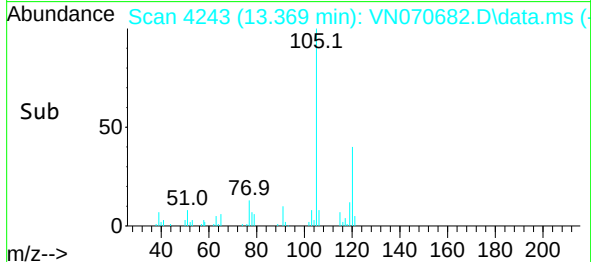
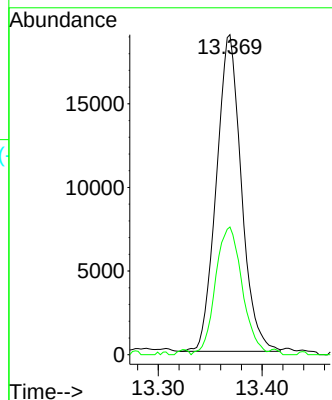
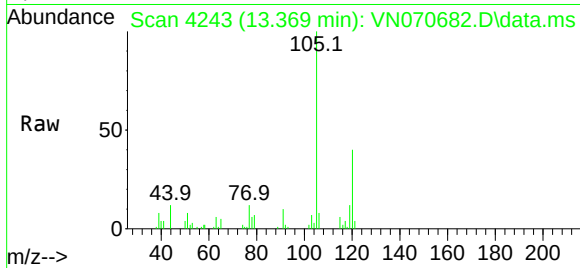
Tgt Ion: 75 Resp: 370558
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





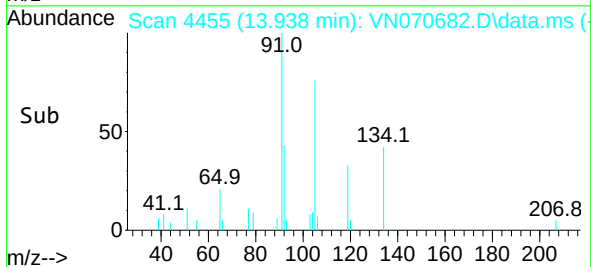
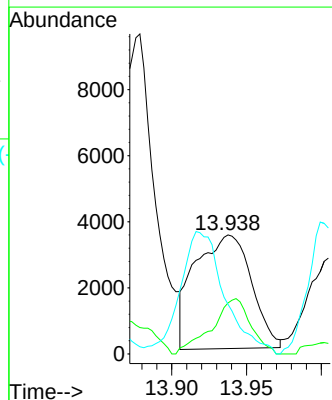
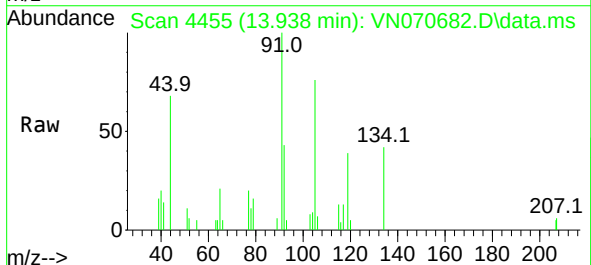
#84
1,2,4-Trimethylbenzene
Concen: 0.759 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

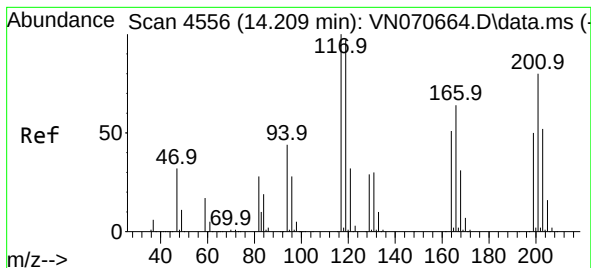
Tgt Ion:105 Resp: 31714
Ion Ratio Lower Upper
105 100
120 43.0 22.8 68.4



#89
n-Butylbenzene
Concen: 0.270 ug/l
RT: 13.938 min Scan# 4455
Delta R.T. -0.002 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

Tgt Ion: 91 Resp: 8995
Ion Ratio Lower Upper
91 100
92 33.8 25.4 76.0
134 0.0 13.6 40.8#





#90

Hexachloroethane

Concen: 5.189 ug/l

RT: 14.278 min Scan# 4582

Delta R.T. 0.069 min

Lab File: VN070682.D

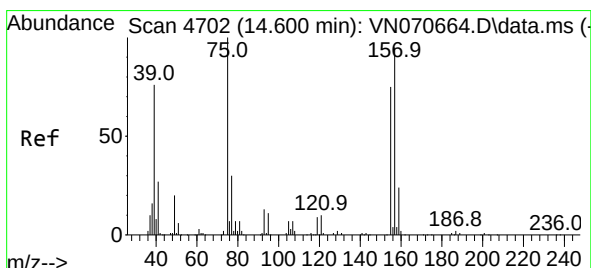
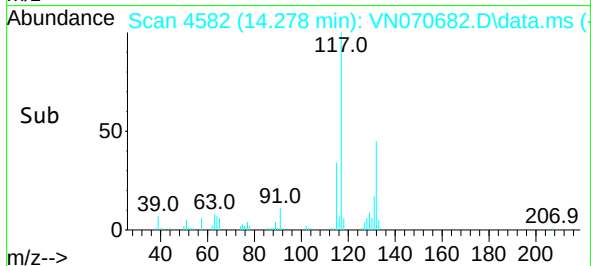
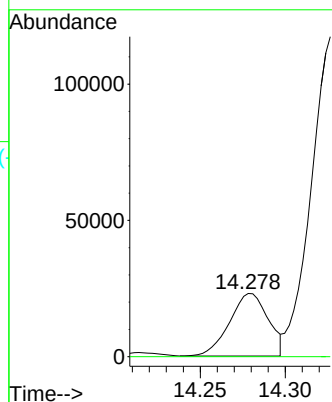
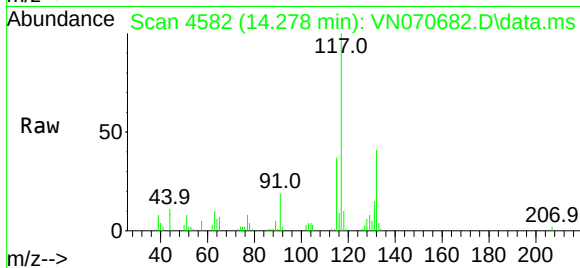
Acq: 18 Jan 2022 22:23

Tgt Ion:117 Resp: 36649

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.271 ug/l

RT: 14.809 min Scan# 4780

Delta R.T. 0.209 min

Lab File: VN070682.D

Acq: 18 Jan 2022 22:23

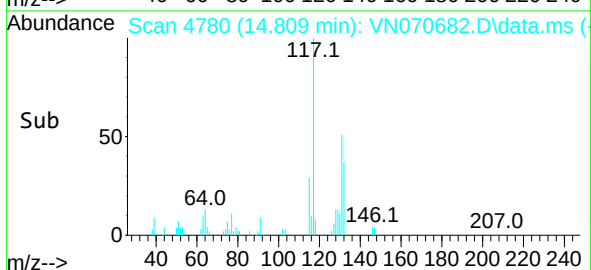
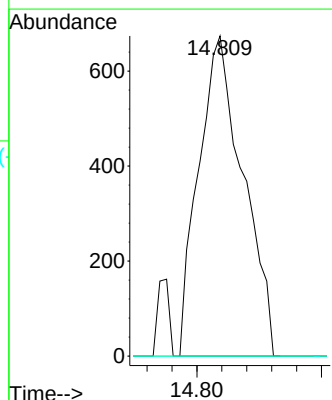
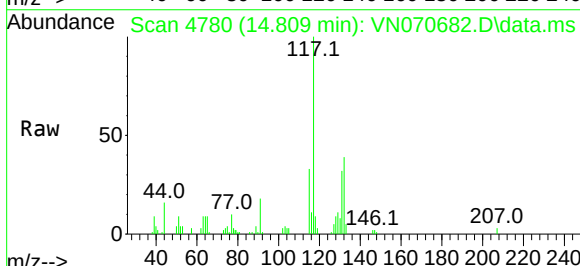
Tgt Ion: 75 Resp: 835

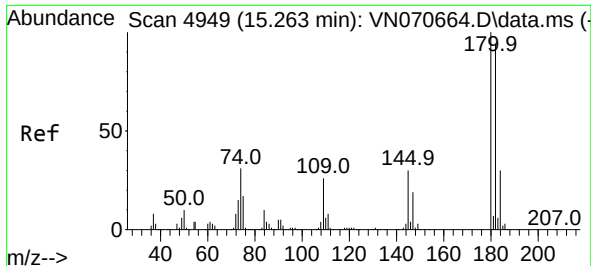
Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

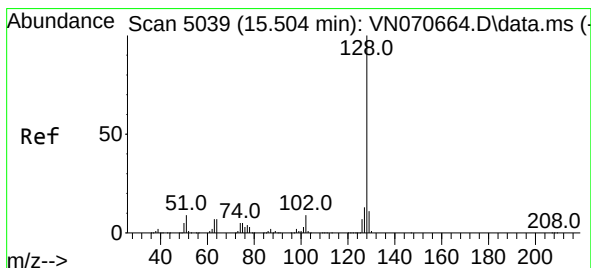
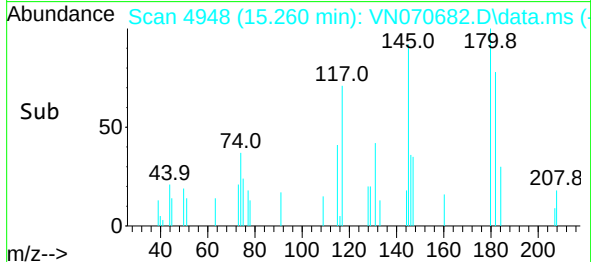
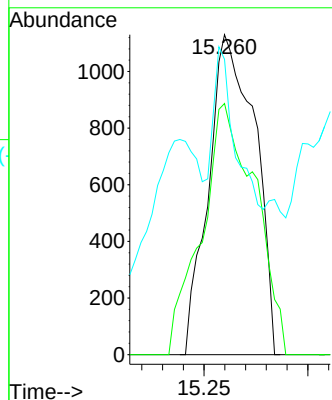
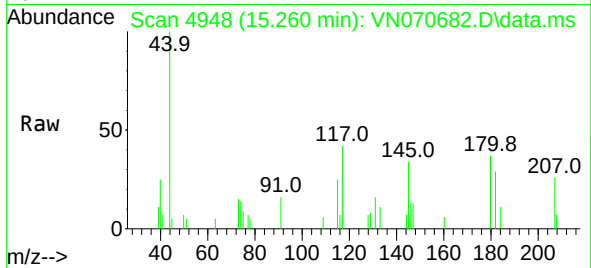
157 0.0 60.6 181.7#





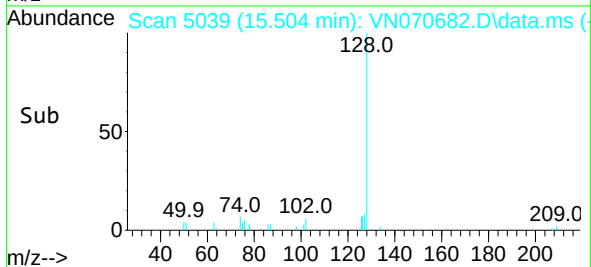
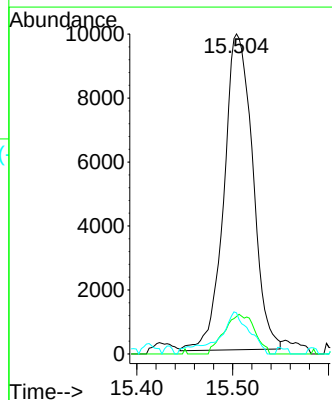
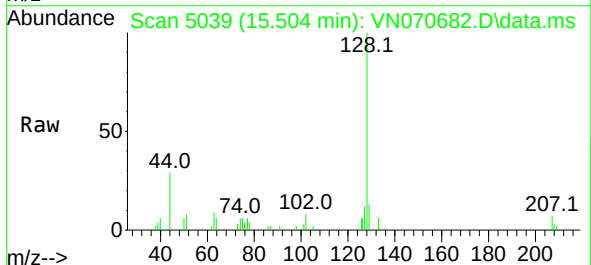
#93
1,2,4-Trichlorobenzene
Concen: 3.581 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.003 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

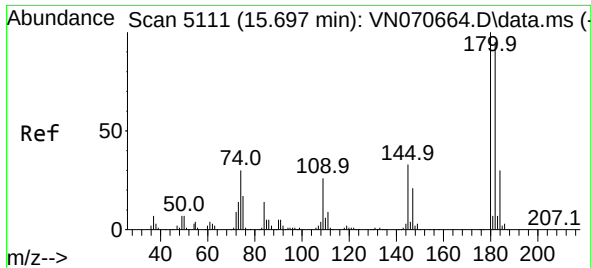
Tgt Ion:180 Resp: 1753
Ion Ratio Lower Upper
180 100
182 91.0 48.3 144.9
145 74.3 14.5 43.5#



#95
Naphthalene
Concen: 5.578 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070682.D
Acq: 18 Jan 2022 22:23

Tgt Ion:128 Resp: 20572
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 12.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.404 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.000 min
 Lab File: VN070682.D
 Acq: 18 Jan 2022 22:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.3	47.4	142.2
145	52.3	15.0	45.1#

