

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072147.D
 Acq On : 22 Apr 2022 11:01
 Operator : JC\MD
 Sample : VN0422WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

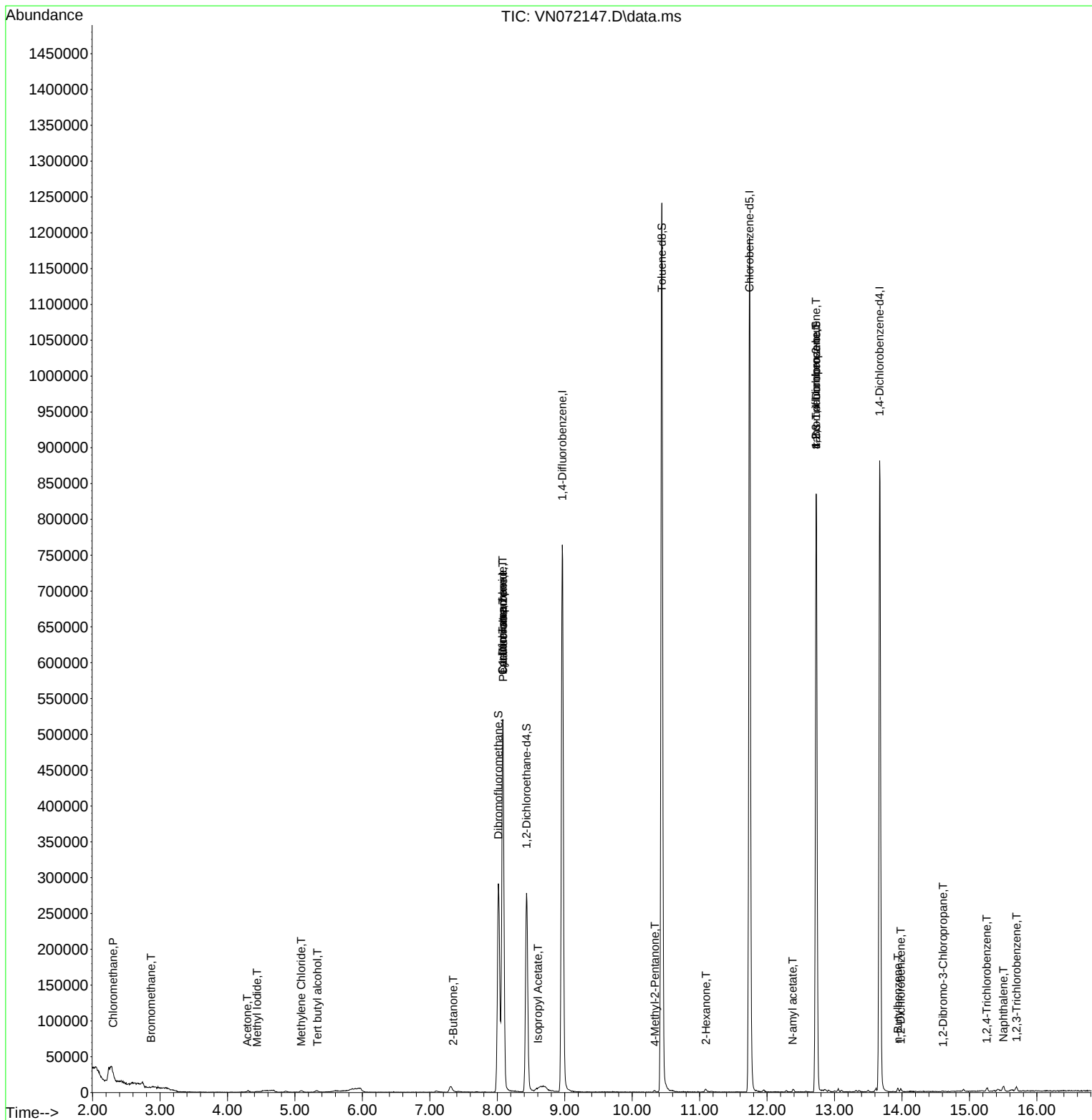
Quant Time: Apr 23 03:12:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

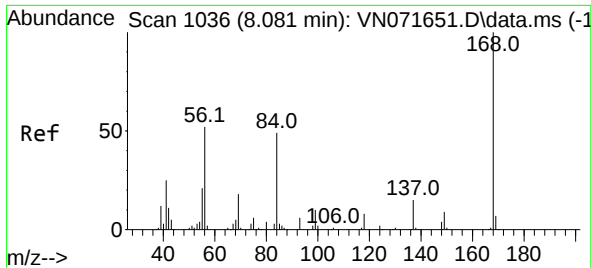
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.087	168	438923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	741923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	768836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	271048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	238686	47.634	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.260%			
35) Dibromofluoromethane	8.016	113	219351	50.243	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.480%			
50) Toluene-d8	10.439	98	918592	51.435	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.727	95	301145	52.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.280%			
Target Compounds						Qvalue
3) Chloromethane	2.305	50	1658	0.375	ug/l #	43
5) Bromomethane	2.869	94	876	0.278	ug/l	96
10) Methyl Iodide	4.440	142	1096	0.206	ug/l #	53
11) Tert butyl alcohol	5.334	59	1723	2.119	ug/l #	72
16) Acetone	4.293	43	2061	0.962	ug/l #	81
18) Methyl Acetate	4.857	43	2723	Below Cal		99
20) Methylene Chloride	5.093	84	1019	0.226	ug/l #	53
25) 2-Butanone	7.345	43	961	0.311	ug/l #	45
31) Cyclohexane	8.081	56	6942	1.019	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	28883	4.738	ug/l #	48
38) Carbon Tetrachloride	8.081	117	37677	6.306	ug/l #	16
43) Isopropyl Acetate	8.604	43	4986	0.449	ug/l #	53
51) 4-Methyl-2-Pentanone	10.339	43	1839	0.288	ug/l #	33
59) 2-Hexanone	11.092	43	4068	0.905	ug/l	82
74) N-amyl acetate	12.380	43	2172	0.332	ug/l #	94
76) 1,2,3-Trichloropropane	12.727	75	142115	22.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	142115	70.140	ug/l #	10
89) n-Butylbenzene	13.939	91	3675	0.290	ug/l	96
91) 1,2-Dichlorobenzene	13.980	146	2168	0.242	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.610	75	249	0.211	ug/l	86
93) 1,2,4-Trichlorobenzene	15.257	180	2872	2.724	ug/l	94
95) Naphthalene	15.504	128	8680	4.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	2932	3.082	ug/l	83

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

Quant Time: Apr 23 03:12:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

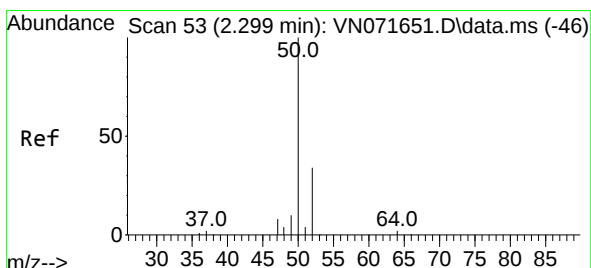
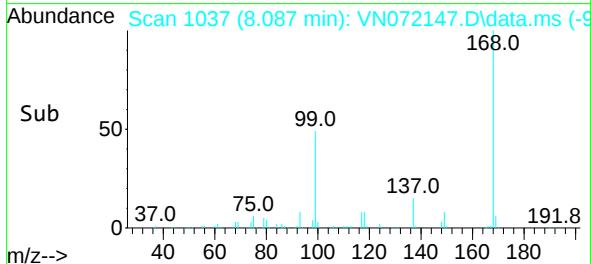
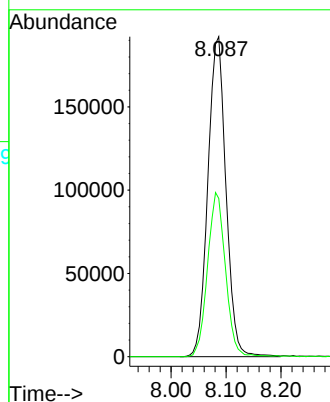
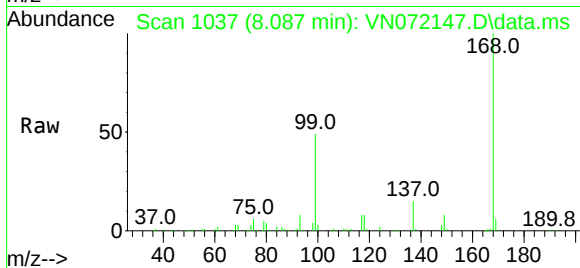




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

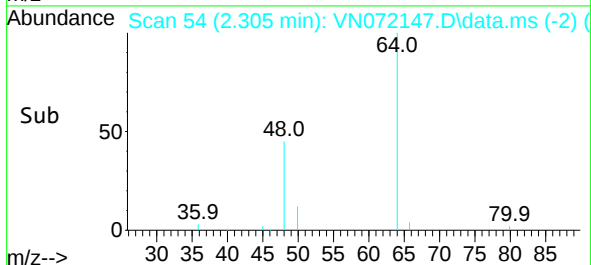
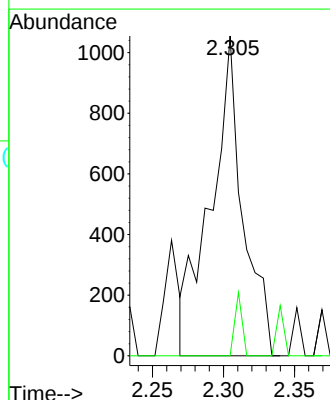
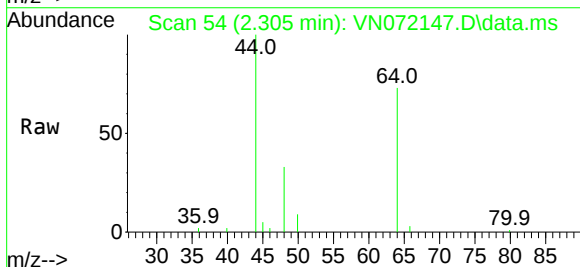
Instrument :
MSVOA_N
ClientSampleId :

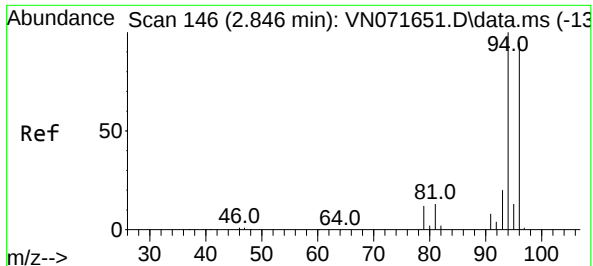
Tgt Ion:168 Resp: 438923
Ion Ratio Lower Upper
168 100
99 49.4 42.3 63.5



#3
Chloromethane
Concen: 0.375 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

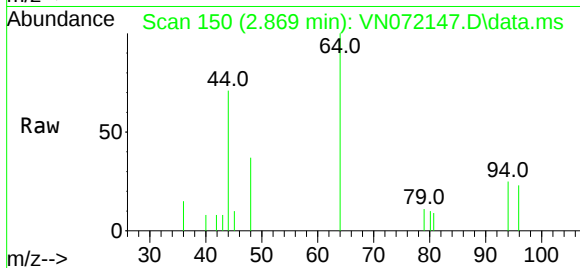
Tgt Ion: 50 Resp: 1658
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



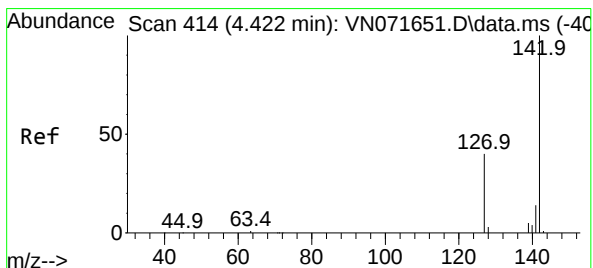
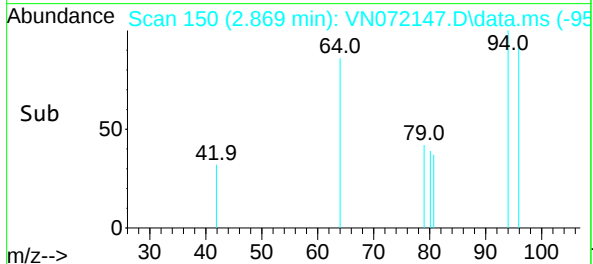
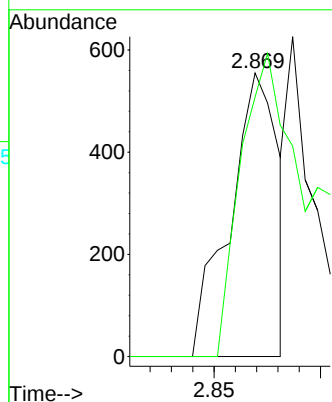


#5
Bromomethane
Concen: 0.278 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

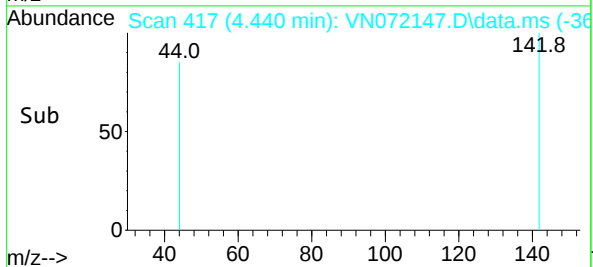
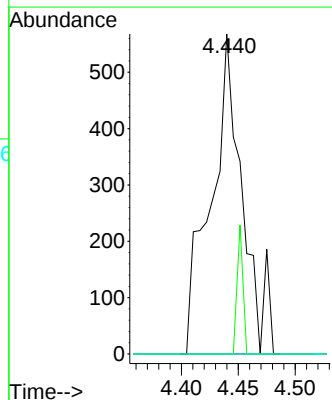
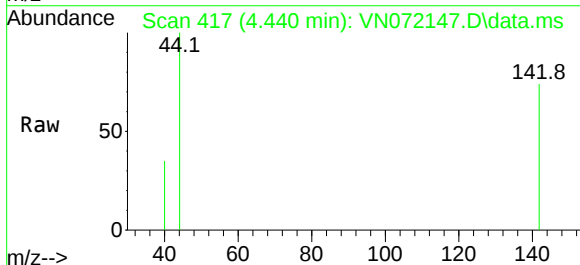


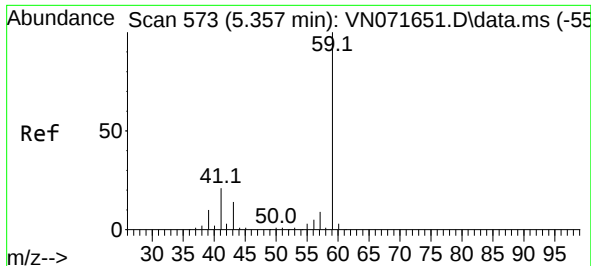
Tgt Ion: 94 Resp: 876
Ion Ratio Lower Upper
94 100
96 91.5 76.0 114.0



#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 4.440 min Scan# 417
Delta R.T. 0.018 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Tgt Ion: 142 Resp: 1096
Ion Ratio Lower Upper
142 100
127 7.4 31.3 46.9#
141 0.0 11.2 16.8#

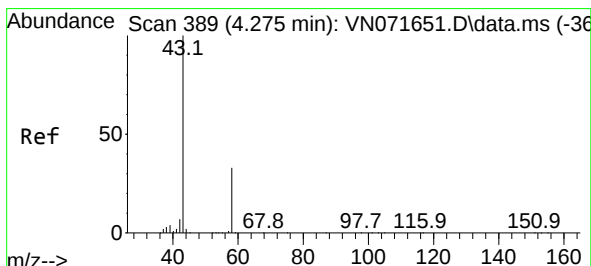
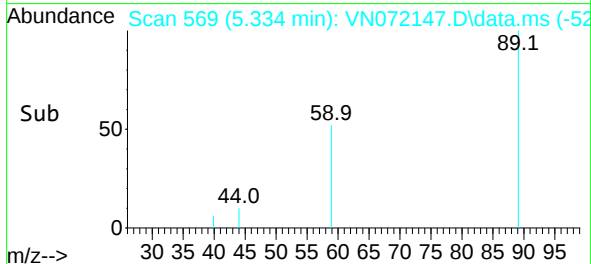
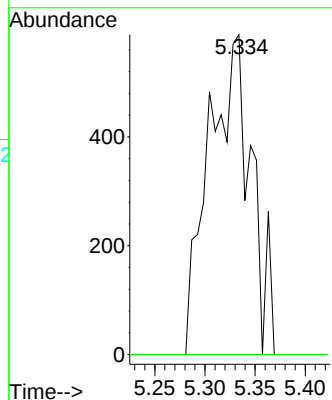
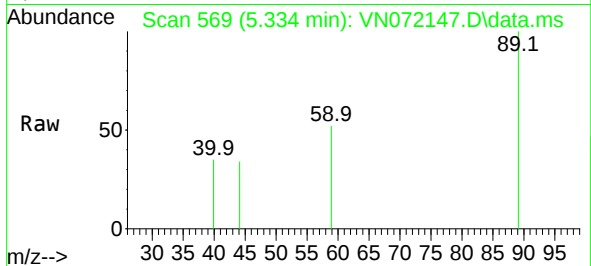




#11
Tert butyl alcohol
Concen: 2.119 ug/l
RT: 5.334 min Scan# 50
Delta R.T. -0.023 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

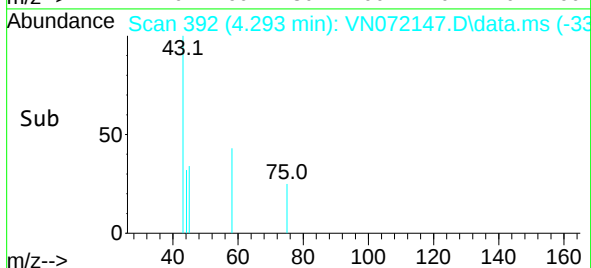
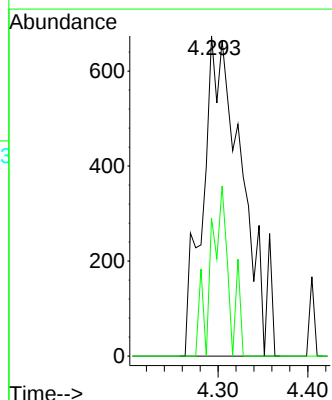
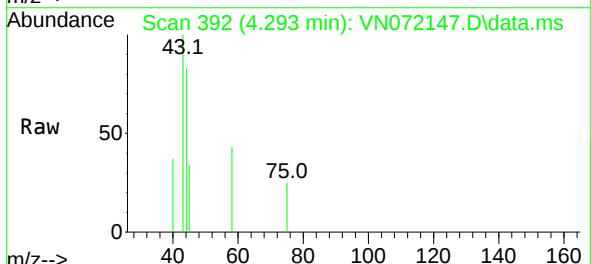
Instrument :
MSVOA_N
ClientSampleId :

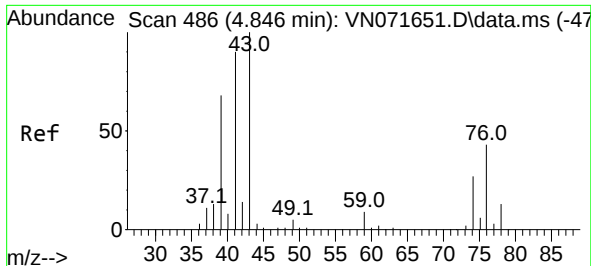
Tgt Ion: 59 Resp: 1723
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.962 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

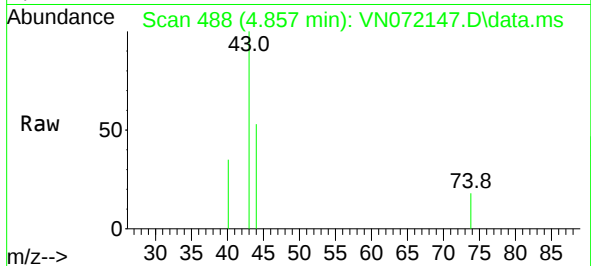
Tgt Ion: 43 Resp: 2061
Ion Ratio Lower Upper
43 100
58 43.0 26.0 39.0#



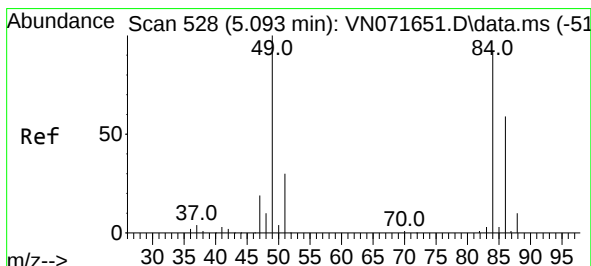
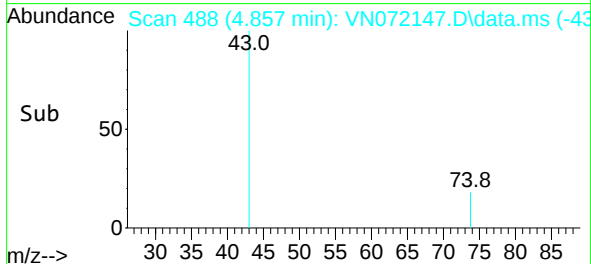
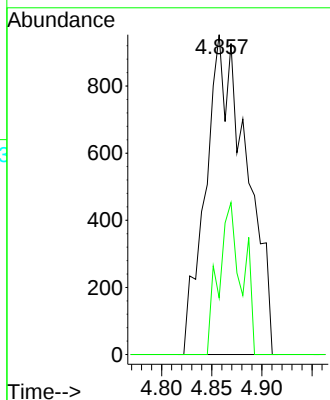


#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 486
Delta R.T. 0.011 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

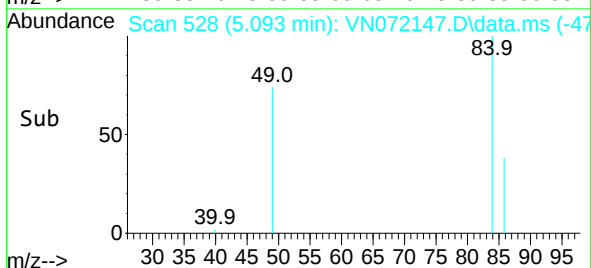
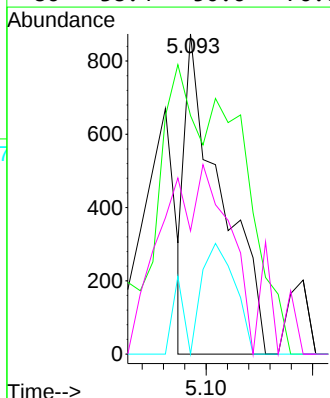
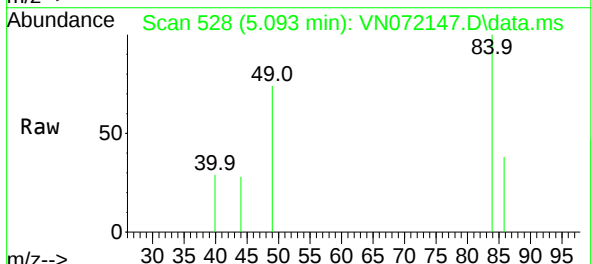


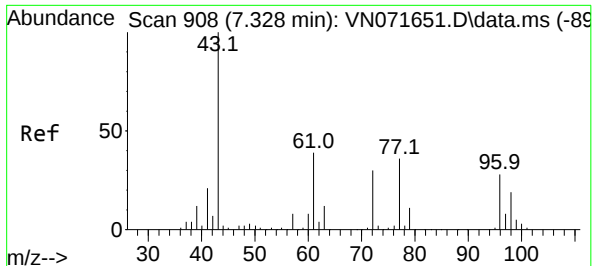
Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4



#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Tgt Ion: 84 Resp: 1019
Ion Ratio Lower Upper
84 100
49 55.8 88.3 132.5#
51 0.0 28.2 42.2#
86 38.4 50.6 76.0#





#25

2-Butanone

Concen: 0.311 ug/l

RT: 7.345 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

Instrument :

MSVOA_N

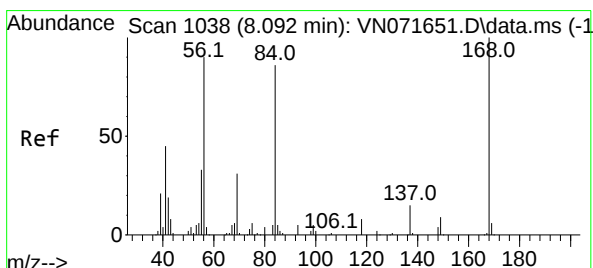
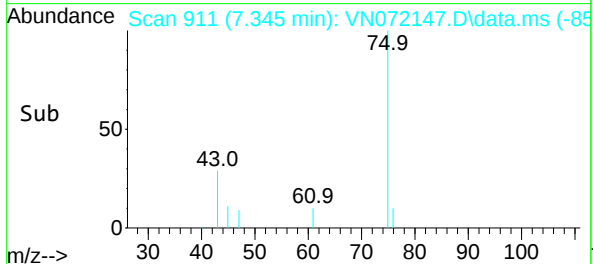
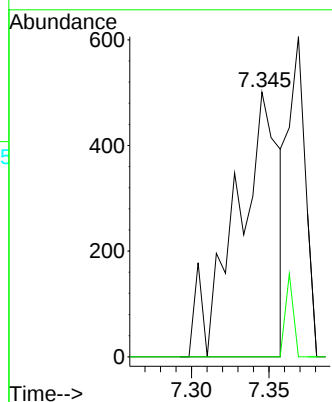
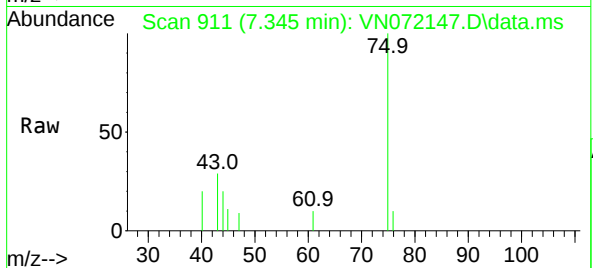
ClientSampleId :

Tgt Ion: 43 Resp: 961

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

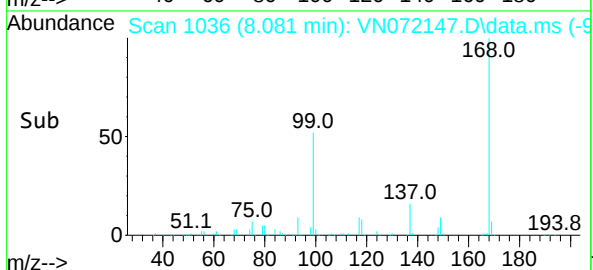
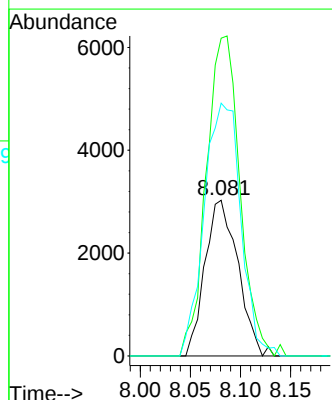
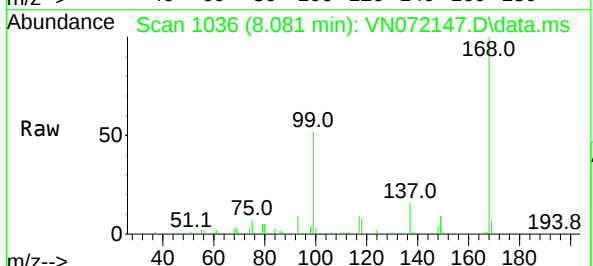
Tgt Ion: 56 Resp: 6942

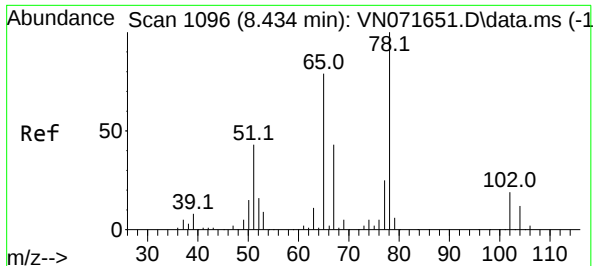
Ion Ratio Lower Upper

56 100

69 204.2 27.8 41.8#

84 162.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.634 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

Instrument :

MSVOA_N

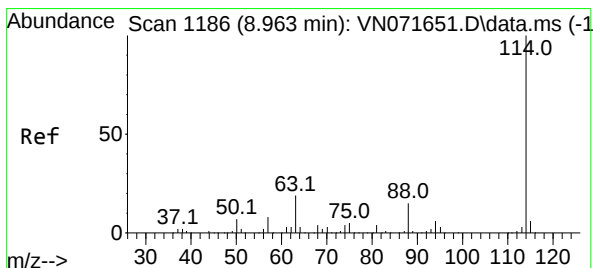
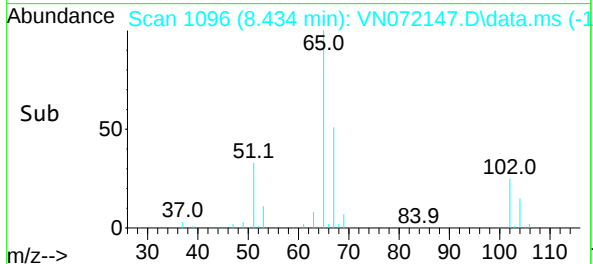
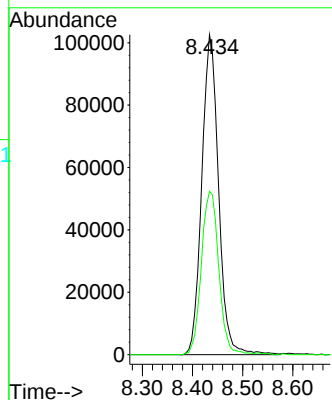
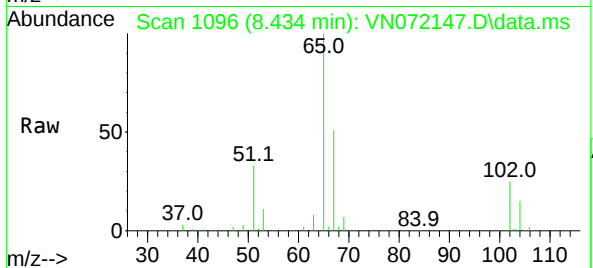
ClientSampleId :

Tgt Ion: 65 Resp: 238686

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

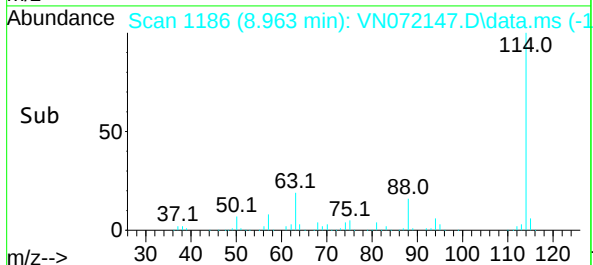
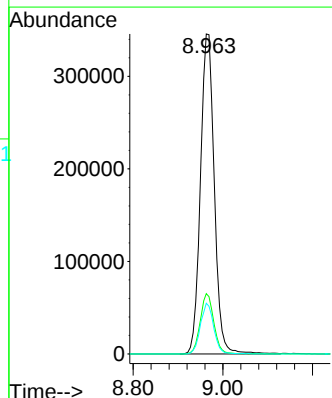
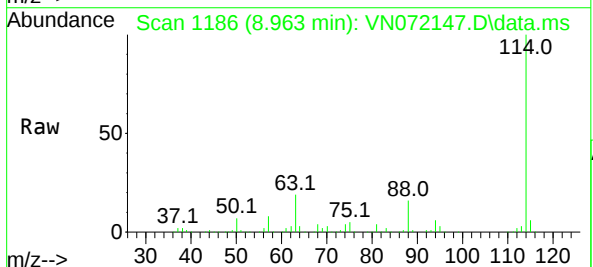
Tgt Ion: 114 Resp: 741923

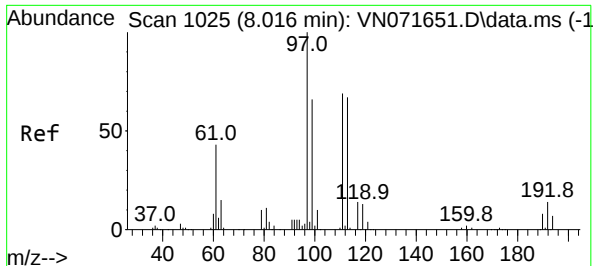
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.243 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

Instrument :

MSVOA_N

ClientSampleId :

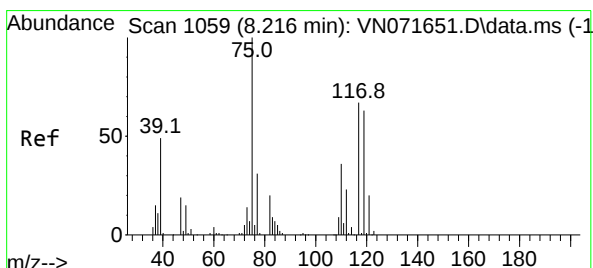
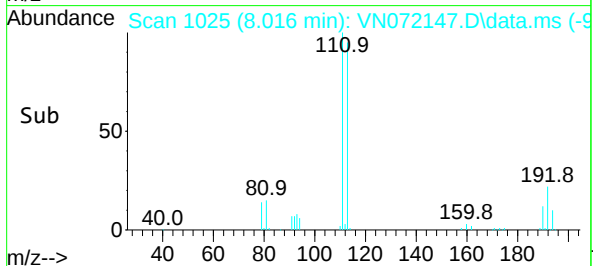
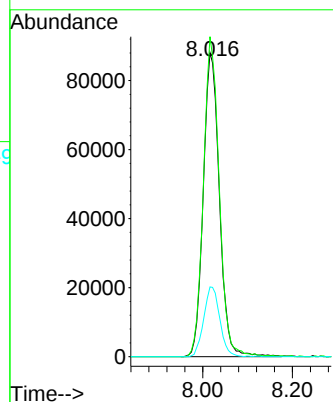
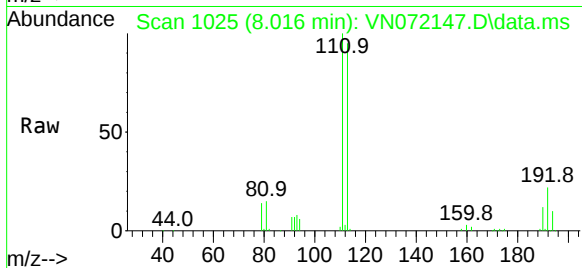
Tgt Ion:113 Resp: 219351

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 22.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.738 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

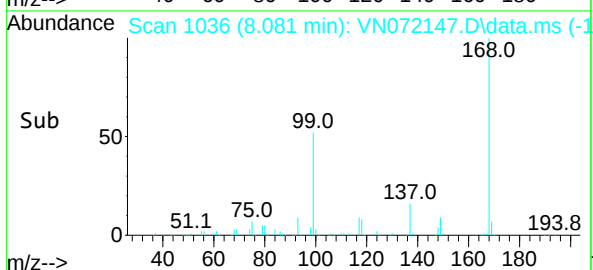
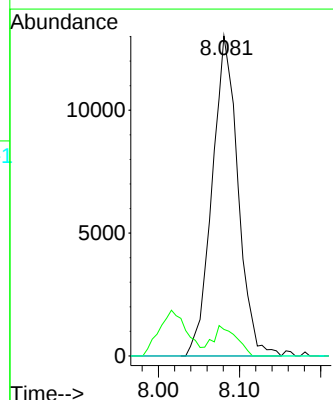
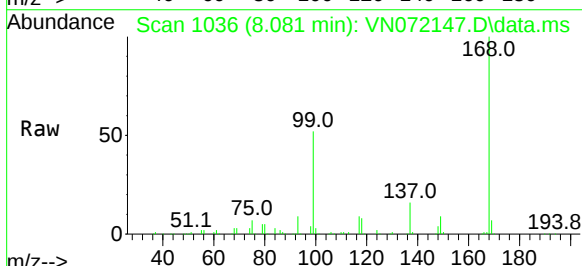
Tgt Ion: 75 Resp: 28883

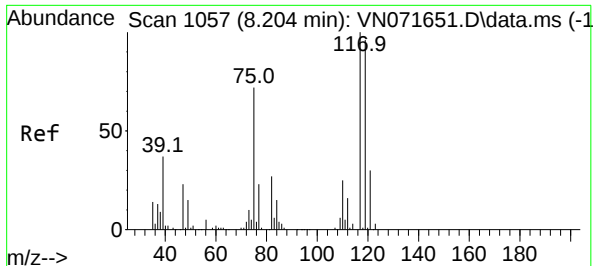
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

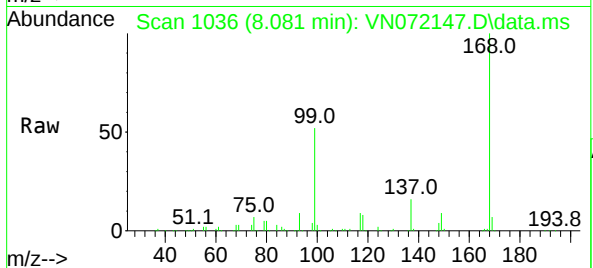
77 0.0 25.1 37.7#



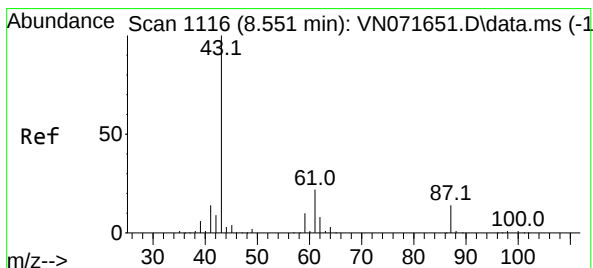
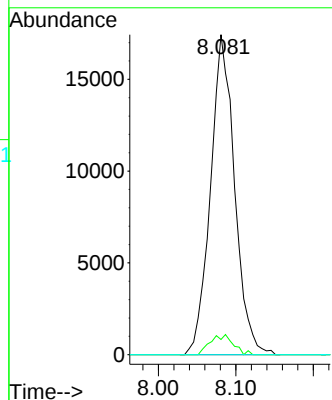
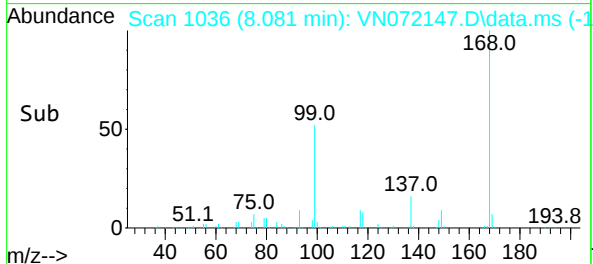


#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 8.081 min Scan# 1105
Delta R.T. -0.123 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

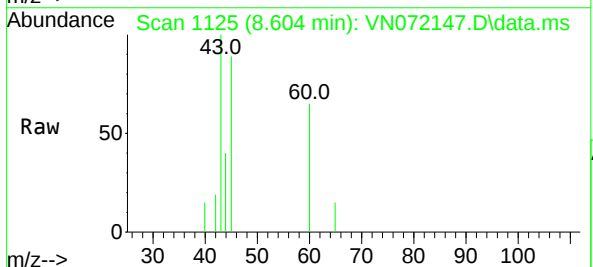
Instrument :
MSVOA_N
ClientSampleId :



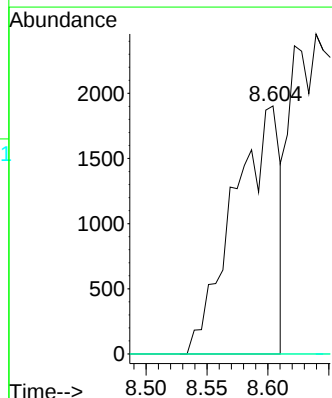
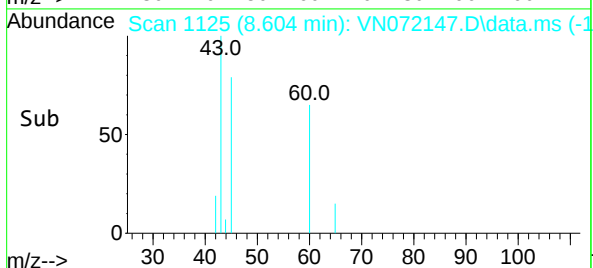
Tgt Ion:117 Resp: 37677
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#

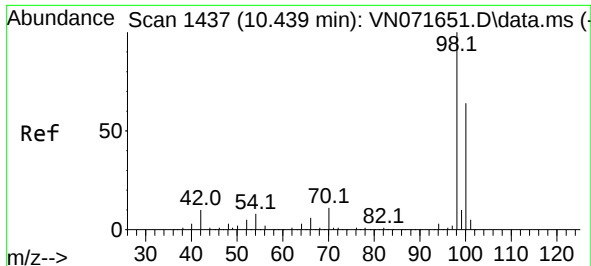


#43
Isopropyl Acetate
Concen: 0.449 ug/l
RT: 8.604 min Scan# 1125
Delta R.T. 0.053 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01



Tgt Ion: 43 Resp: 4986
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

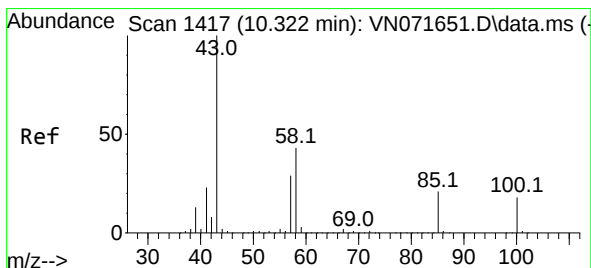
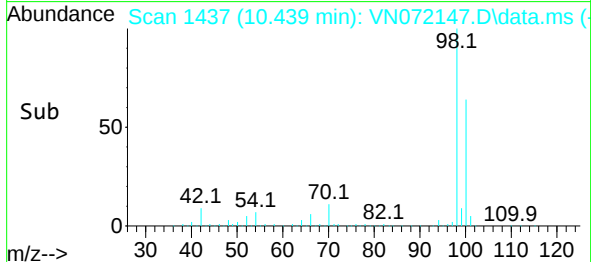
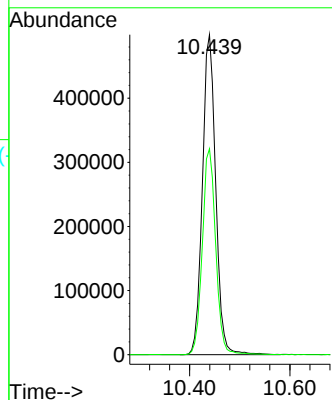
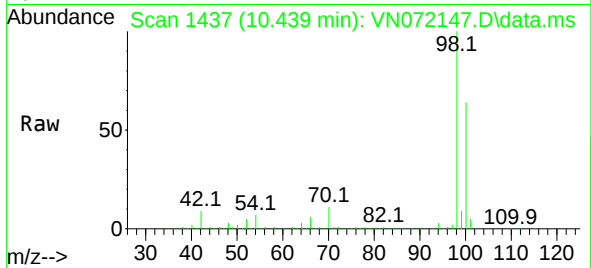




#50
Toluene-d8
Concen: 51.435 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

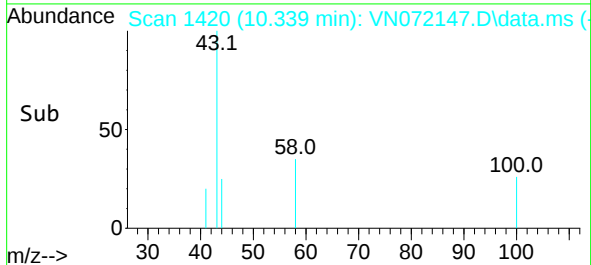
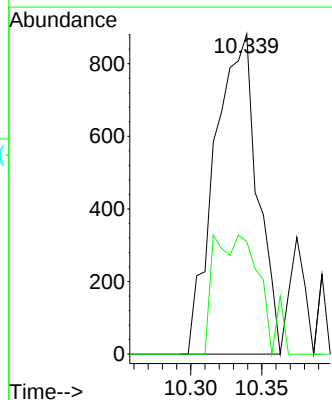
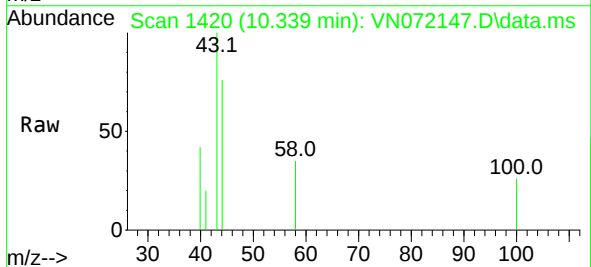
Instrument :
MSVOA_N
ClientSampleId :

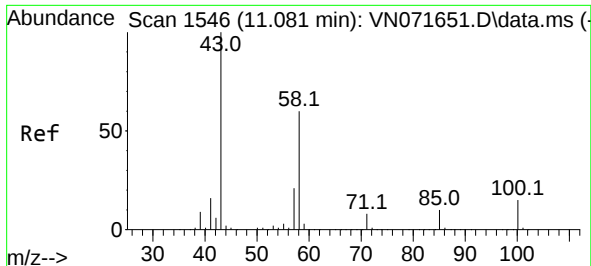
Tgt Ion: 98 Resp: 918592
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 10.339 min Scan# 1420
Delta R.T. 0.017 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#

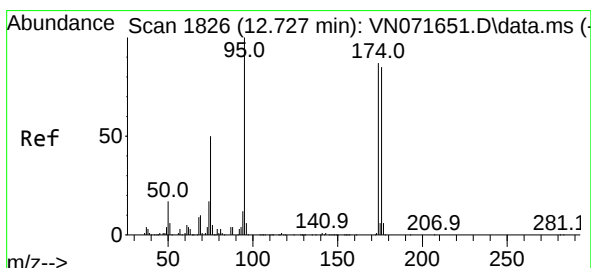
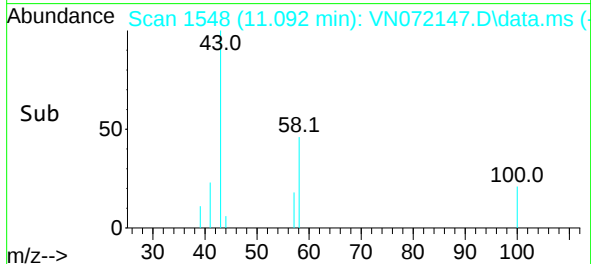
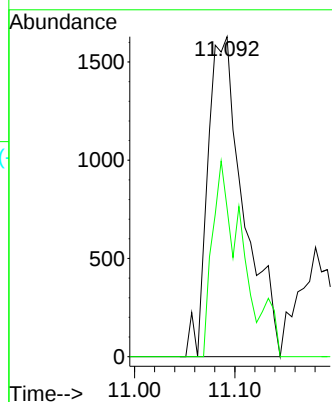
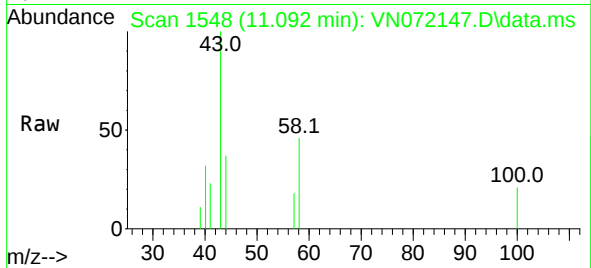




#59
2-Hexanone
Concen: 0.905 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

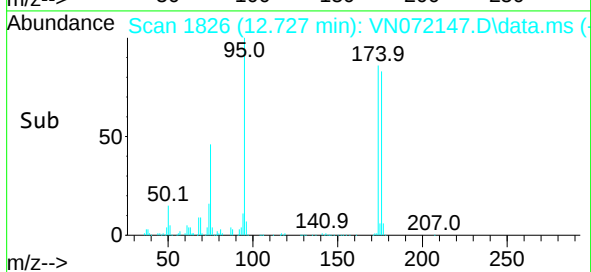
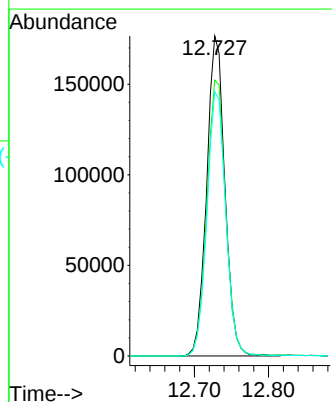
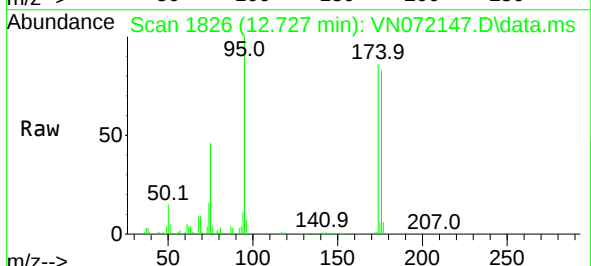
Instrument :
MSVOA_N
ClientSampleId :

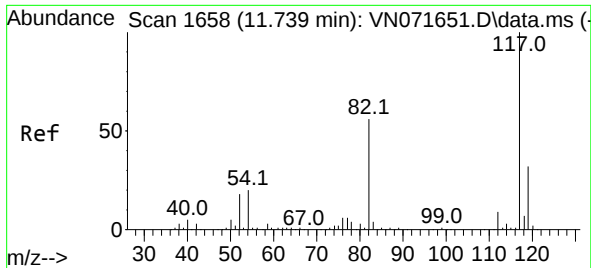
Tgt Ion: 43 Resp: 4068
Ion Ratio Lower Upper
43 100
58 45.5 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 52.137 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Tgt Ion: 95 Resp: 301145
Ion Ratio Lower Upper
95 100
174 89.0 0.0 167.6
176 85.1 0.0 163.4

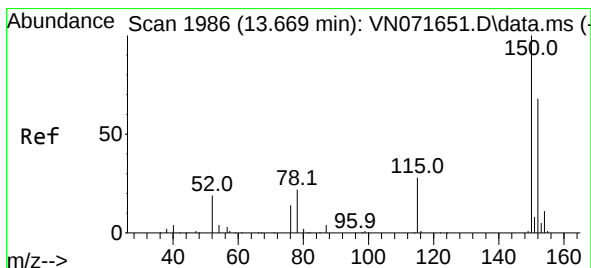
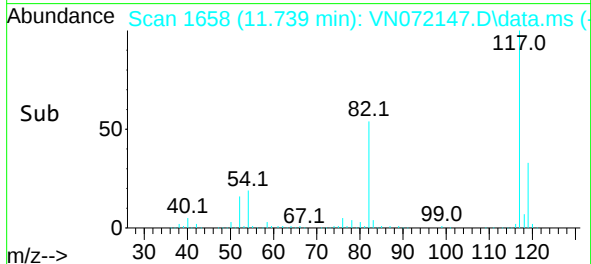
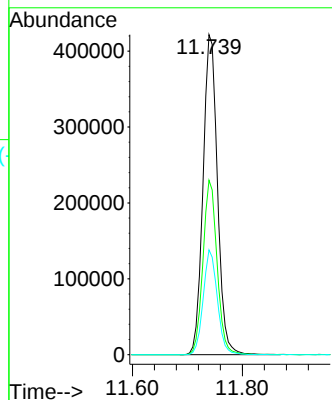
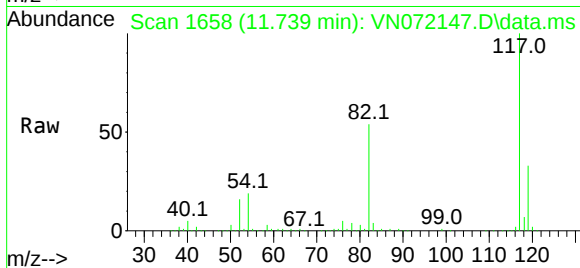




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

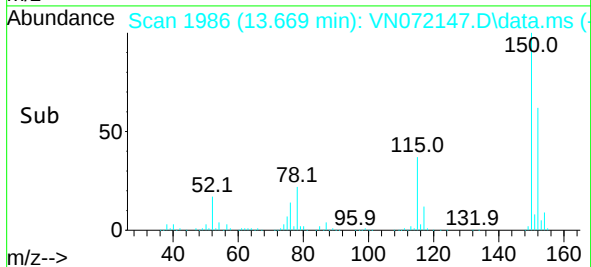
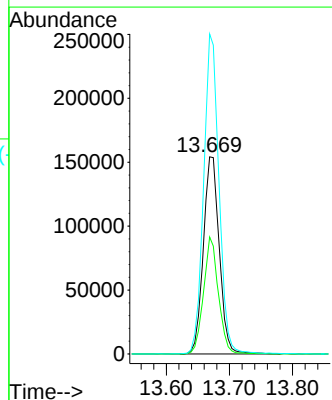
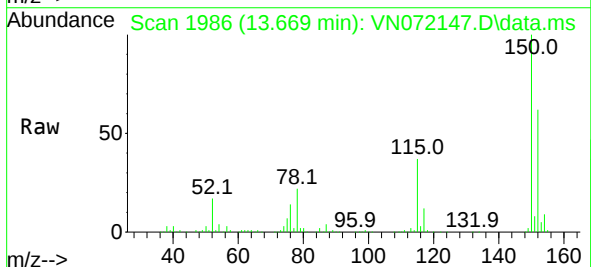
Instrument :
MSVOA_N
ClientSampleId :

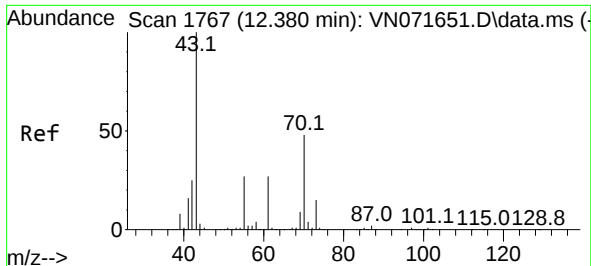
Tgt Ion:117 Resp: 768836
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

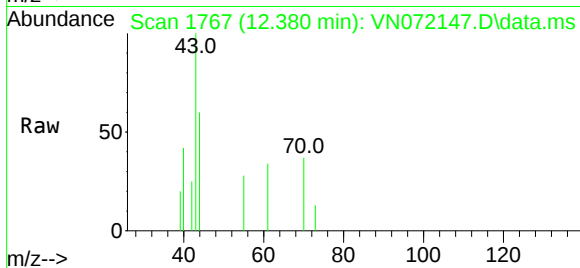
Tgt Ion:152 Resp: 271048
Ion Ratio Lower Upper
152 100
115 55.3 28.9 86.7
150 156.2 0.0 356.2



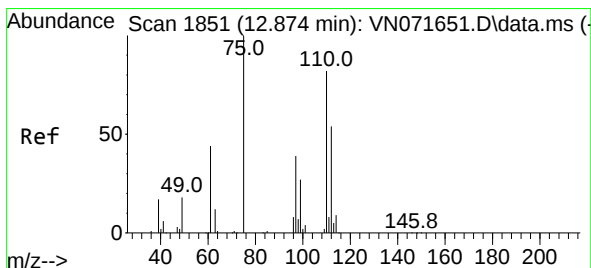
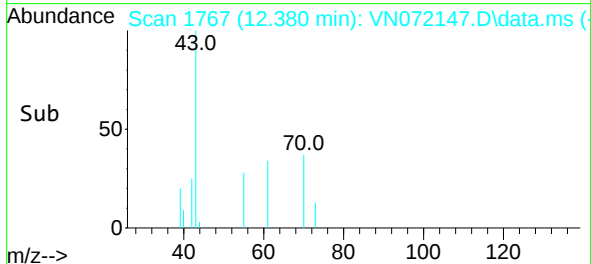
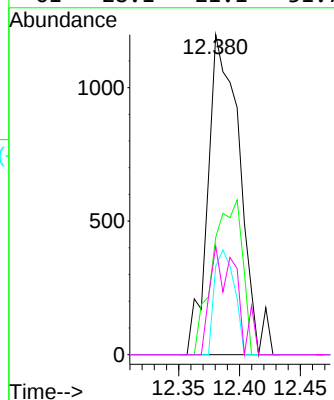


#74
N-amy1 acetate
Concen: 0.332 ug/l
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

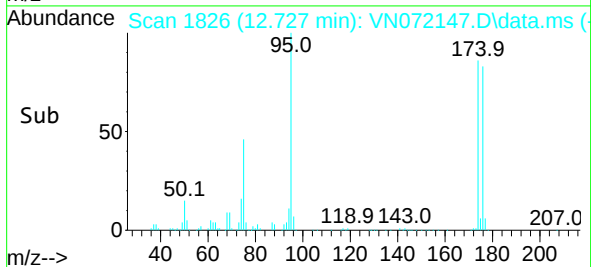
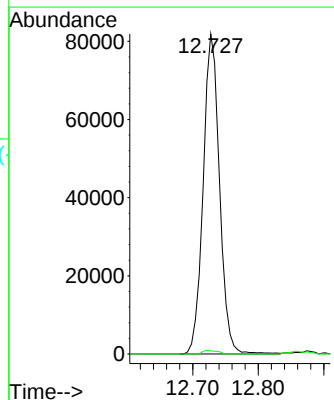
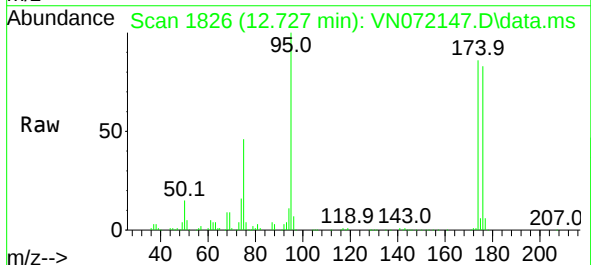


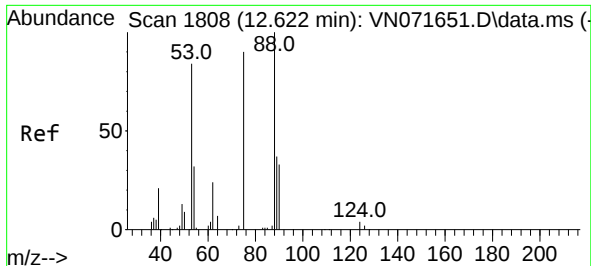
Tgt Ion: 43	Resp: 2172
Ion Ratio	Lower Upper
43 100	
70 45.1	39.0 58.4
55 20.6	21.1 31.7#
61 28.1	21.1 31.7



#76
1,2,3-Trichloropropane
Concen: 22.633 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

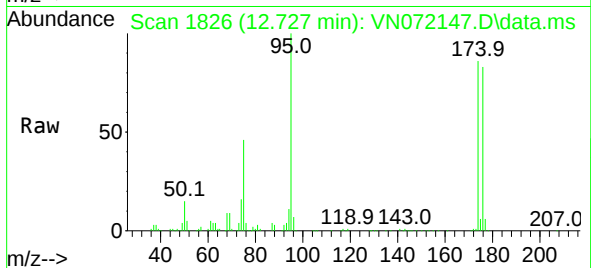
Tgt Ion: 75	Resp: 142115
Ion Ratio	Lower Upper
75 100	
77 1.0	98.5 295.5#



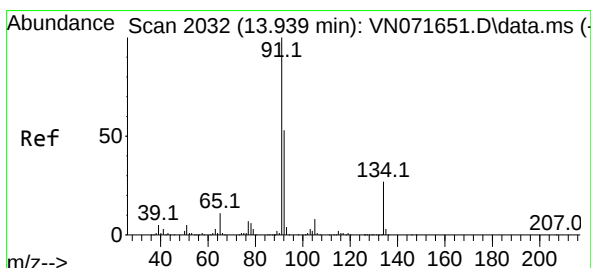
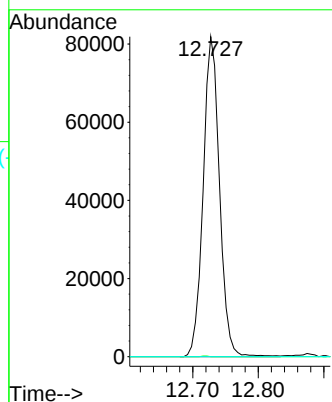
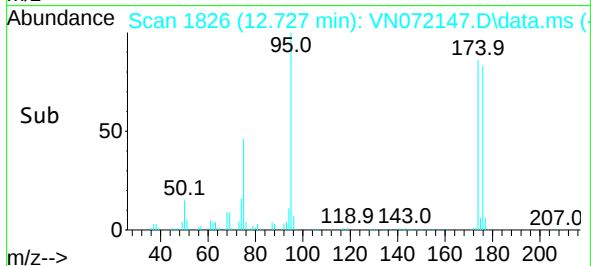


#81
trans-1,4-Dichloro-2-butene
Concen: 70.140 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

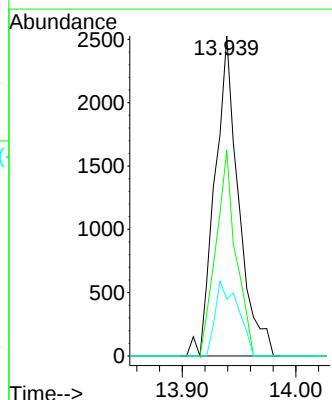
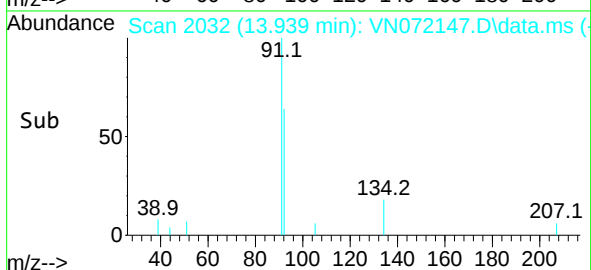
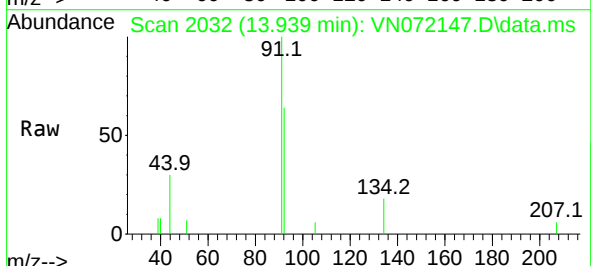


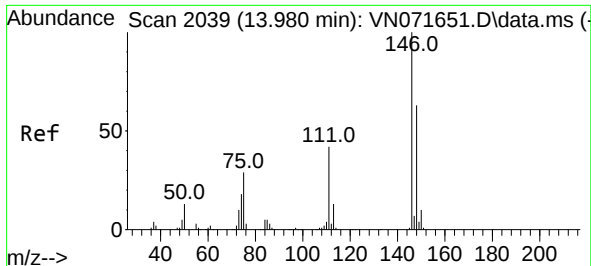
Tgt Ion: 75 Resp: 142115
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.290 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

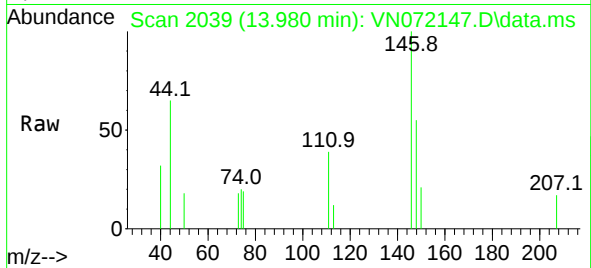
Tgt Ion: 91 Resp: 3675
Ion Ratio Lower Upper
91 100
92 54.2 26.9 80.7
134 22.2 13.6 40.8



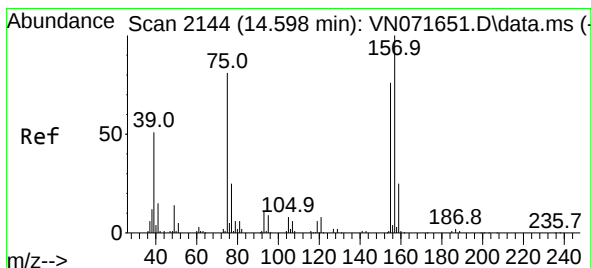
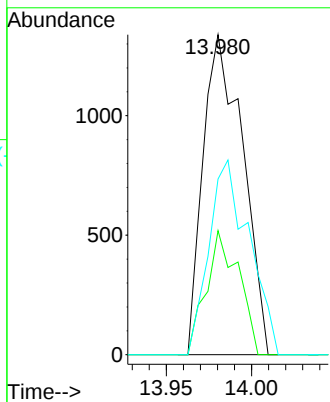
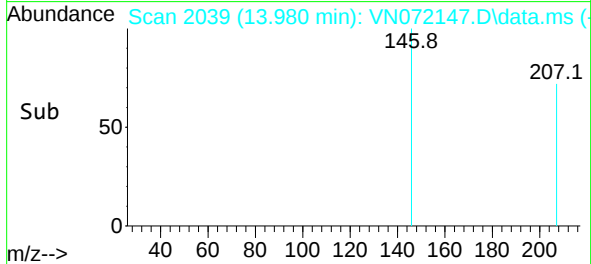


#91
1,2-Dichlorobenzene
Concen: 0.242 ug/l
RT: 13.980 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01

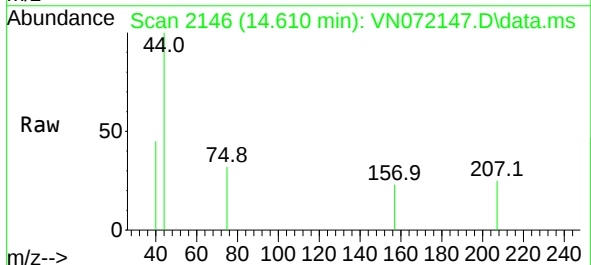
Instrument :
MSVOA_N
ClientSampleId :



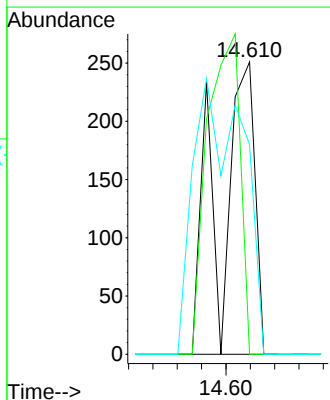
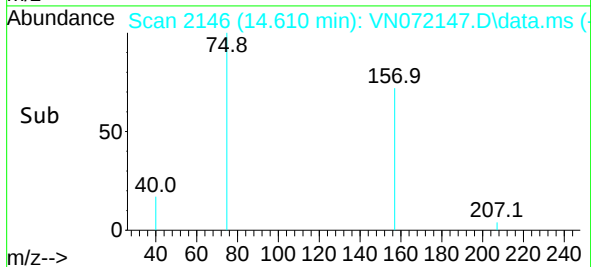
Tgt Ion:146 Resp: 2168
Ion Ratio Lower Upper
146 100
111 31.7 20.9 62.8
148 61.5 32.1 96.3

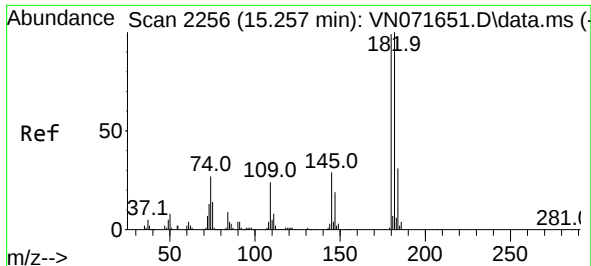


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.211 ug/l
RT: 14.610 min Scan# 2146
Delta R.T. 0.012 min
Lab File: VN072147.D
Acq: 22 Apr 2022 11:01



Tgt Ion: 75 Resp: 249
Ion Ratio Lower Upper
75 100
155 102.8 44.9 134.5
157 134.1 59.0 176.8





#93

1,2,4-Trichlorobenzene

Concen: 2.724 ug/l

RT: 15.257 min Scan# 2256

Delta R.T. -0.000 min

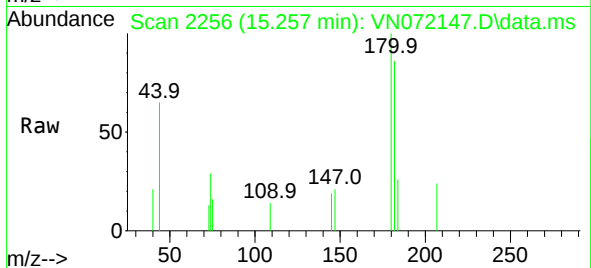
Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

Instrument :

MSVOA_N

ClientSampleId :



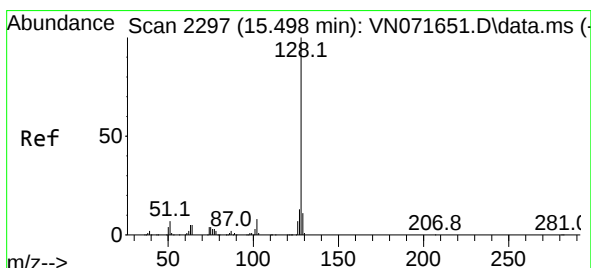
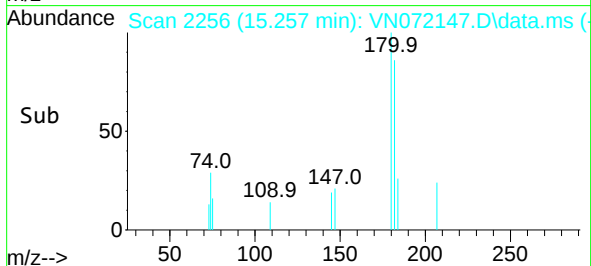
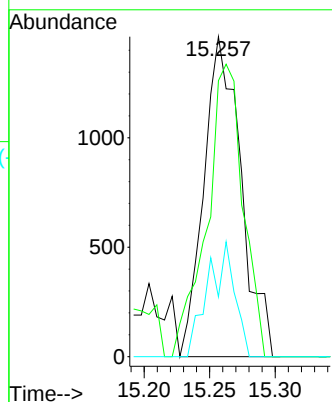
Tgt Ion:180 Resp: 2872

Ion Ratio Lower Upper

180 100

182 89.5 47.5 142.5

145 25.7 14.5 43.5



#95

Naphthalene

Concen: 4.453 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072147.D

Acq: 22 Apr 2022 11:01

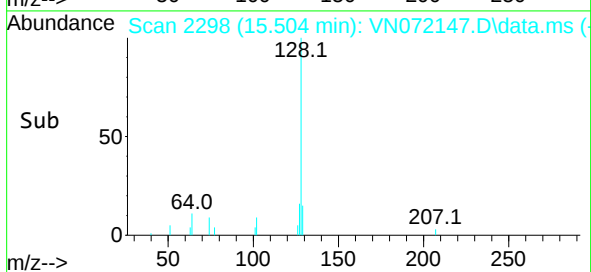
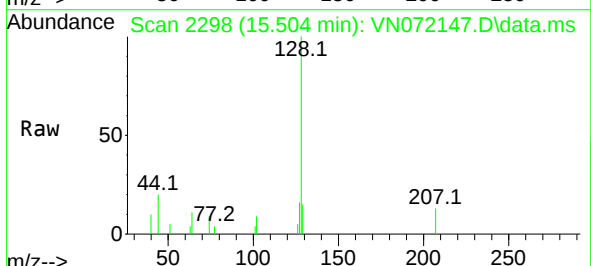
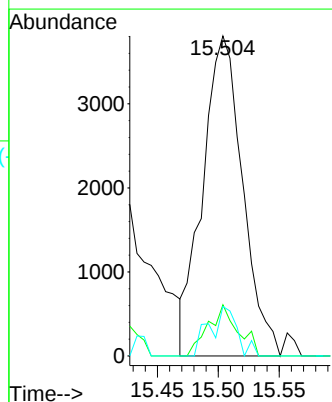
Tgt Ion:128 Resp: 8680

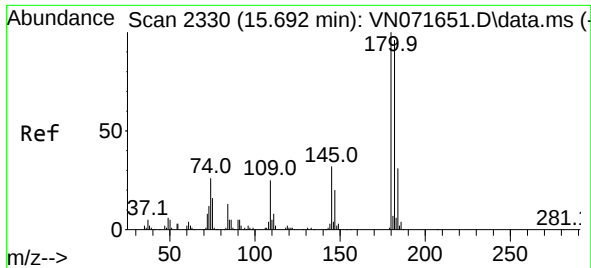
Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

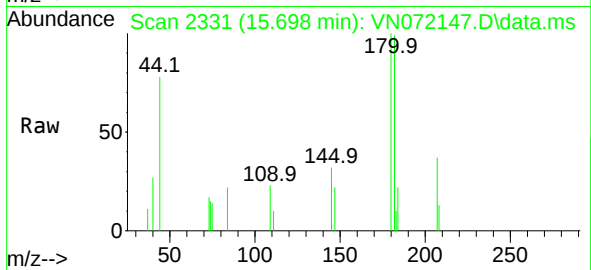
129 10.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.082 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072147.D
 Acq: 22 Apr 2022 11:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2932
Ion	Ratio	Lower	Upper
180	100		
182	117.2	47.8	143.3
145	32.5	15.5	46.5

