

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072012.D
 Acq On : 15 Apr 2022 19:38
 Operator : JC\MD
 Sample : PB144101TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101TB

Quant Time: Apr 16 00:07:38 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)

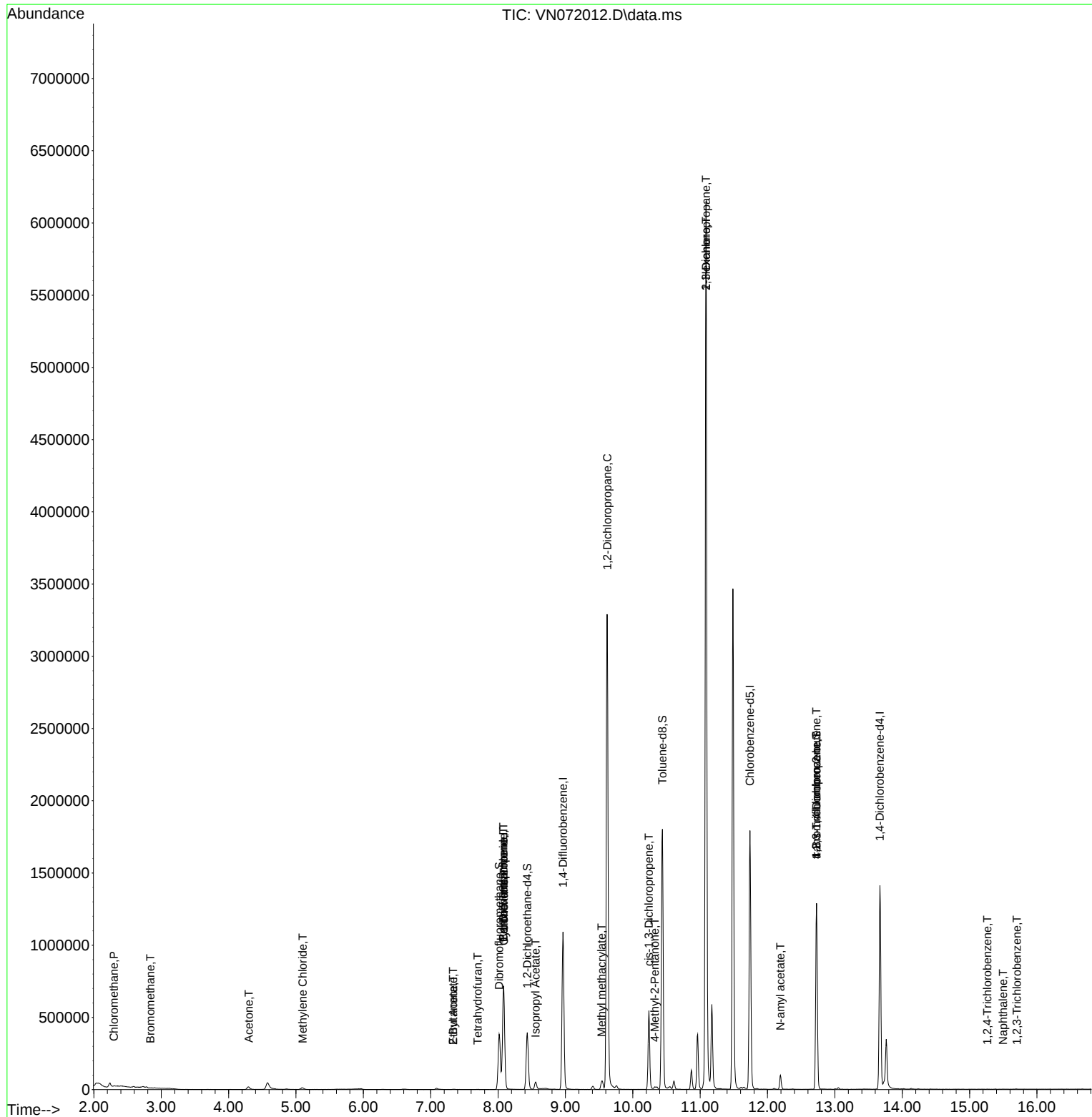
Internal Standards						
1) Pentafluorobenzene	8.081	168	602031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1012554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1120960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	421178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	319643	46.508	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.020%		
35) Dibromofluoromethane	8.016	113	290474	48.751	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.500%		
50) Toluene-d8	10.439	98	1343898	55.136	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.280%		
62) 4-Bromofluorobenzene	12.727	95	464928	58.979	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	117.960%		
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	1488	0.245	ug/l	97
5) Bromomethane	2.840	94	1298	0.300	ug/l #	77
16) Acetone	4.299	43	31081	10.582	ug/l	98
18) Methyl Acetate	4.857	43	5659	Below Cal		93
20) Methylene Chloride	5.098	84	10997	1.776	ug/l	95
25) 2-Butanone	7.334	43	3764	0.889	ug/l #	82
29) Tetrahydrofuran	7.698	42	715	0.261	ug/l #	44
31) Cyclohexane	8.087	56	9149	0.979	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	38610	4.640	ug/l #	48
37) Ethyl Acetate	7.334	43	3764	0.413	ug/l #	67
38) Carbon Tetrachloride	8.081	117	53695	6.585	ug/l #	16
43) Isopropyl Acetate	8.557	43	58014	3.830	ug/l	95
45) 1,2-Dichloropropane	9.622	63	5037	0.767	ug/l #	44
48) Methyl methacrylate	9.539	41	15705	2.499	ug/l #	10
49) 1,4-Dioxane	9.622	88	616	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	12775	1.467	ug/l	100
54) cis-1,3-Dichloropropene	10.239	75	110613	10.884	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	72364	6.329	ug/l #	42
59) 2-Hexanone	11.086	43	818182	133.434	ug/l #	49
74) N-amyl acetate	12.192	43	28912	2.843	ug/l #	51
76) 1,2,3-Trichloropropane	12.727	75	221158	22.667	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	221158	70.244	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	356	2.137	ug/l	82
95) Naphthalene	15.498	128	1533	3.877	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	490	2.486	ug/l #	83

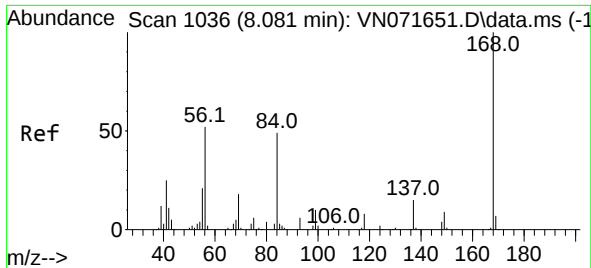
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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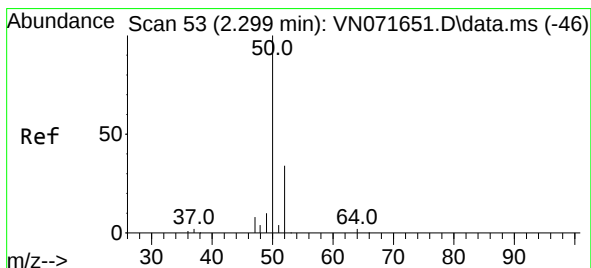
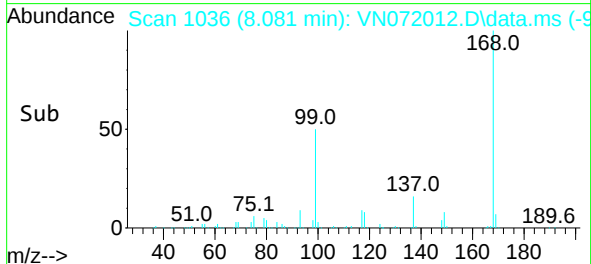
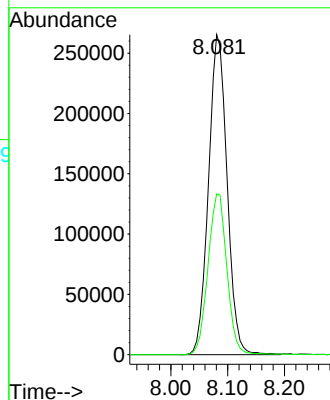
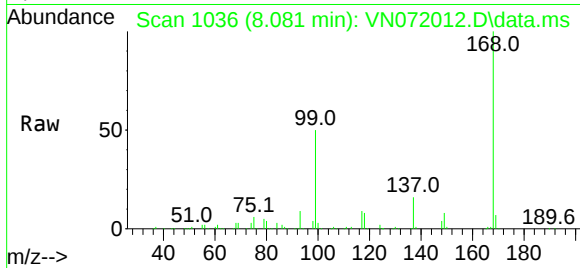




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

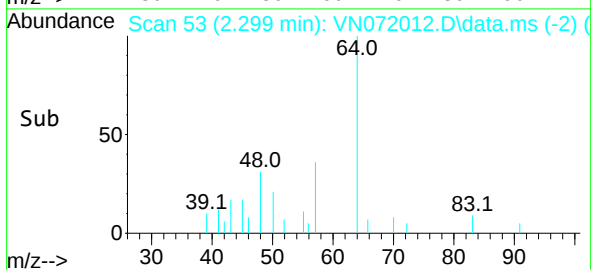
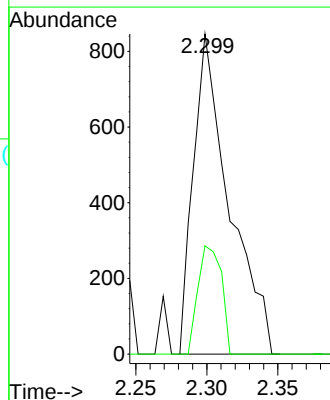
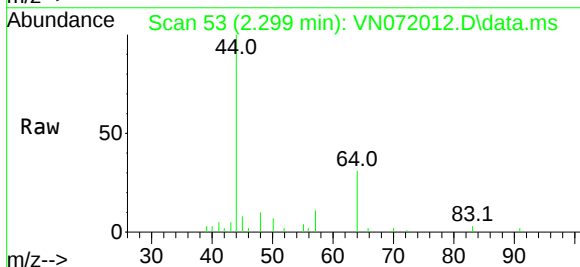
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

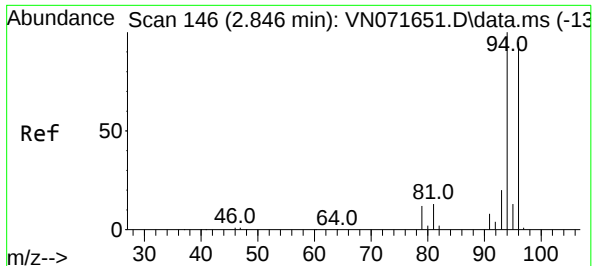
Tgt Ion:168 Resp: 602031
Ion Ratio Lower Upper
168 100
99 50.3 42.3 63.5



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 50 Resp: 1488
Ion Ratio Lower Upper
50 100
52 33.8 25.7 38.5

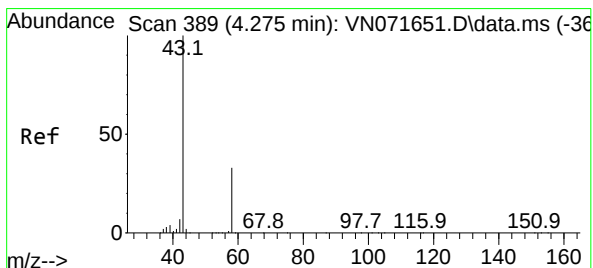
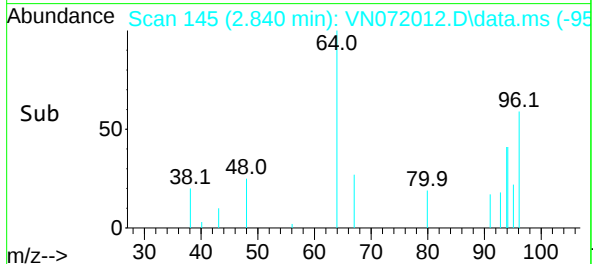
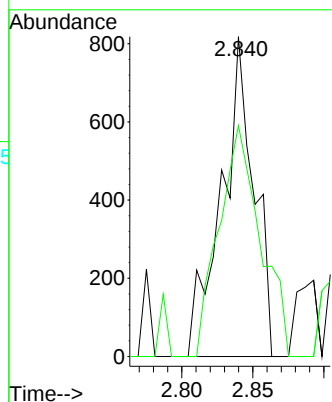
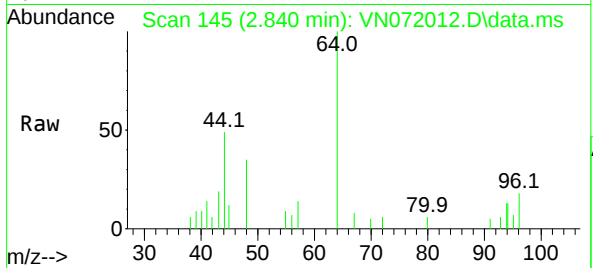




#5
Bromomethane
Concen: 0.300 ug/l
RT: 2.840 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

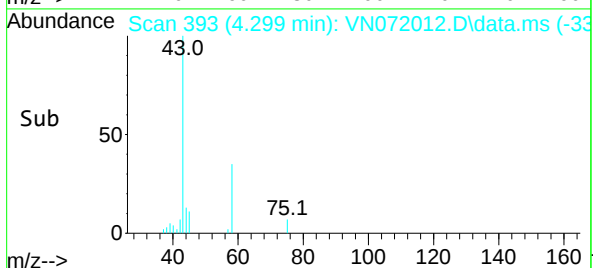
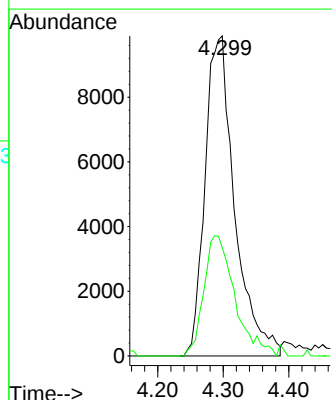
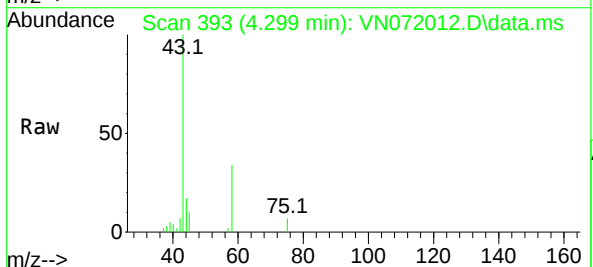
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

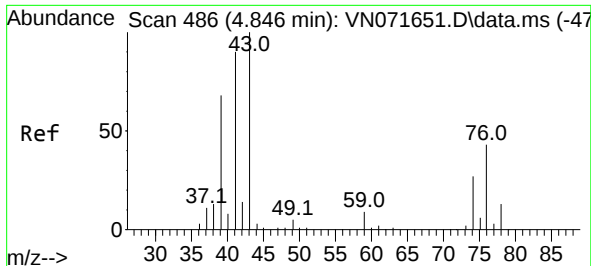
Tgt Ion: 94 Resp: 1298
Ion Ratio Lower Upper
94 100
96 72.2 76.0 114.0#



#16
Acetone
Concen: 10.582 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 43 Resp: 31081
Ion Ratio Lower Upper
43 100
58 33.8 26.0 39.0

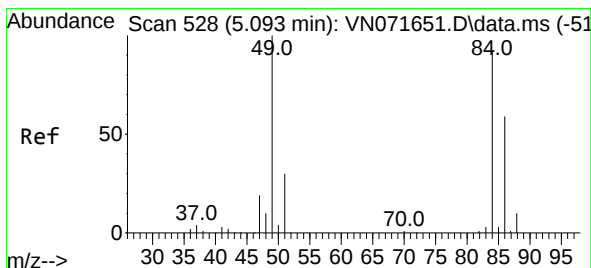
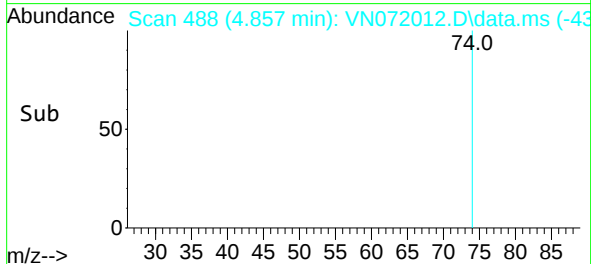
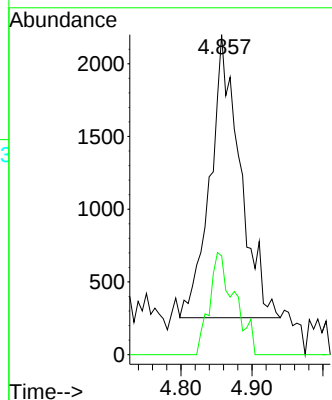
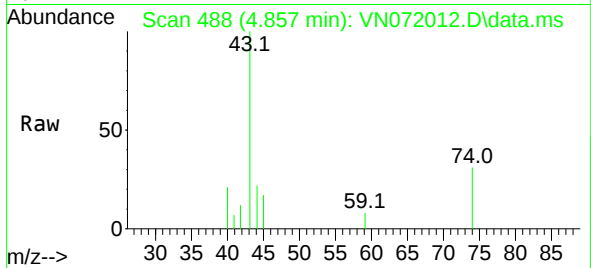




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

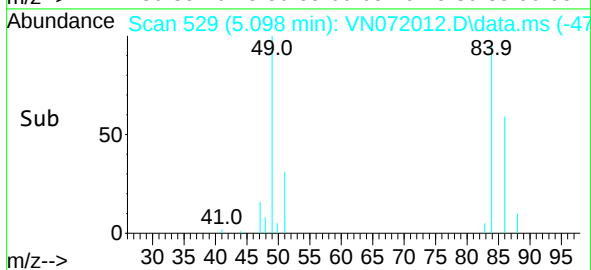
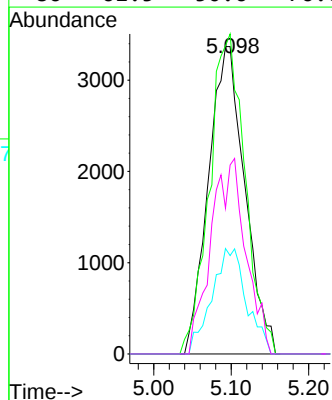
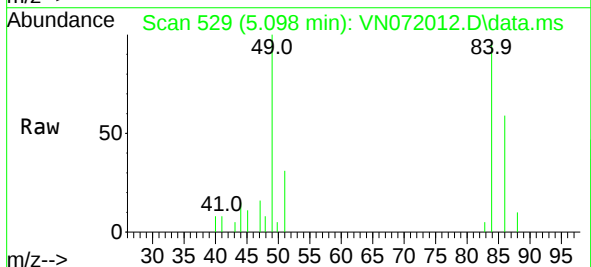
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

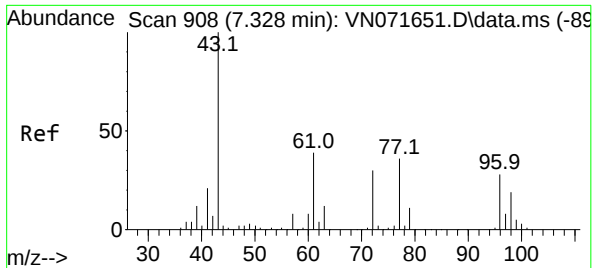
Tgt Ion: 43 Resp: 5659
Ion Ratio Lower Upper
43 100
74 30.6 21.6 32.4



#20
Methylene Chloride
Concen: 1.776 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 84 Resp: 10997
Ion Ratio Lower Upper
84 100
49 104.1 88.3 132.5
51 32.0 28.2 42.2
86 61.5 50.6 76.0

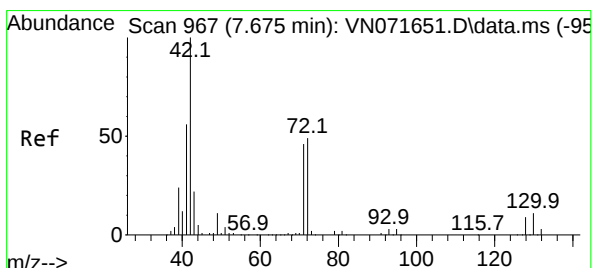
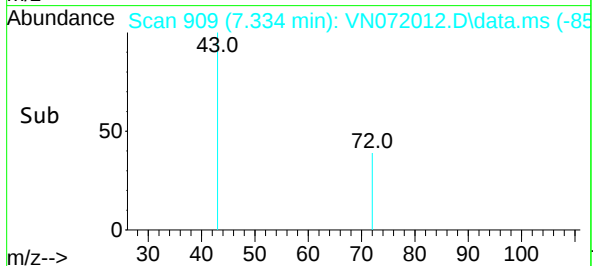
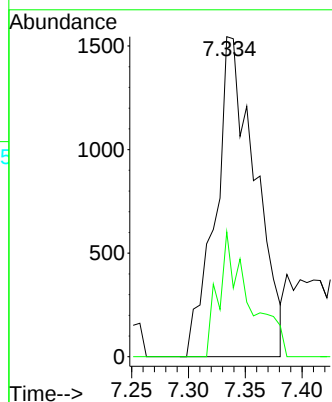
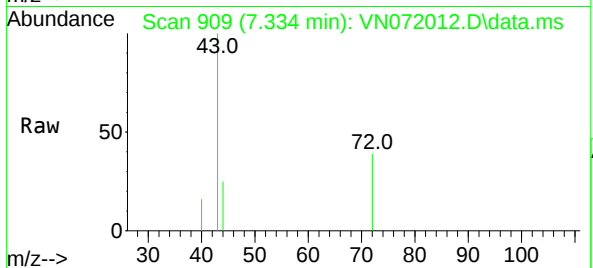




#25
2-Butanone
Concen: 0.889 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

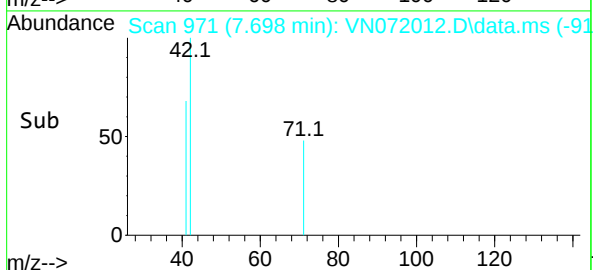
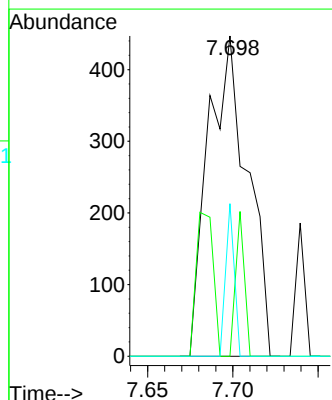
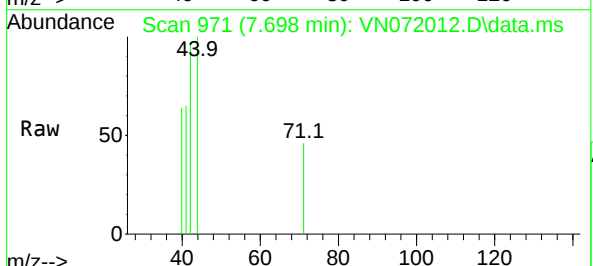
Instrument :
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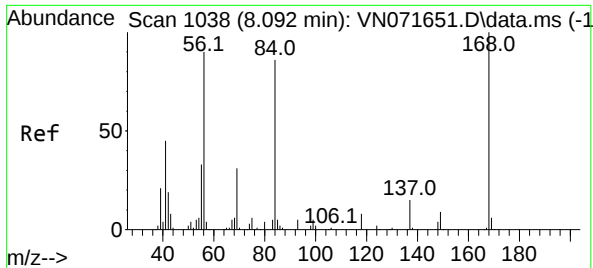
Tgt Ion: 43 Resp: 3764
Ion Ratio Lower Upper
43 100
72 39.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.023 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 42 Resp: 715
Ion Ratio Lower Upper
42 100
72 9.9 39.7 59.5#
71 10.5 36.6 55.0#

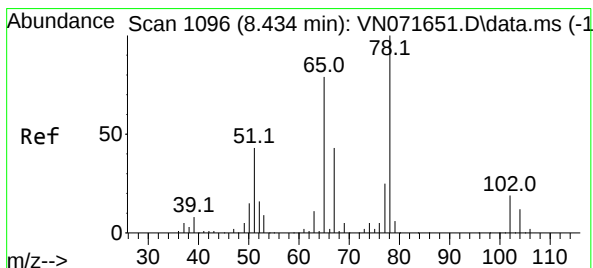
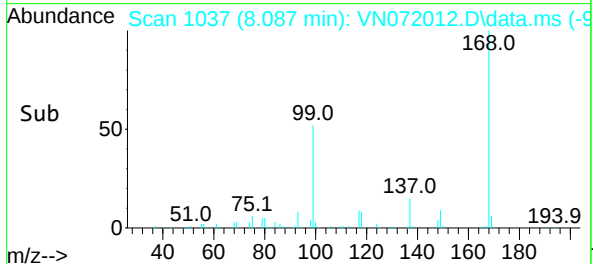
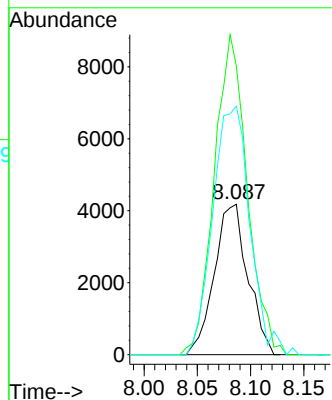
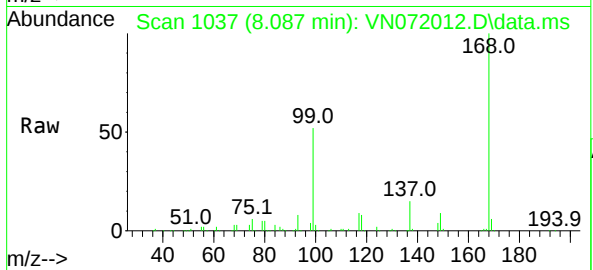




#31
Cyclohexane
Concen: 0.979 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

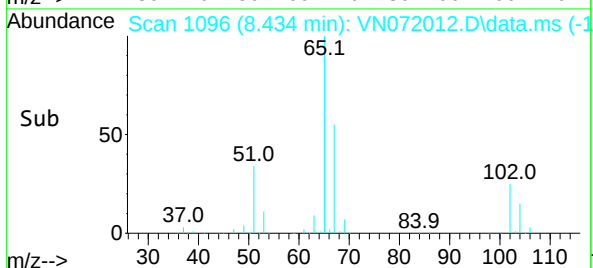
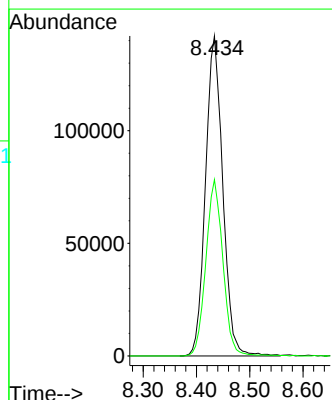
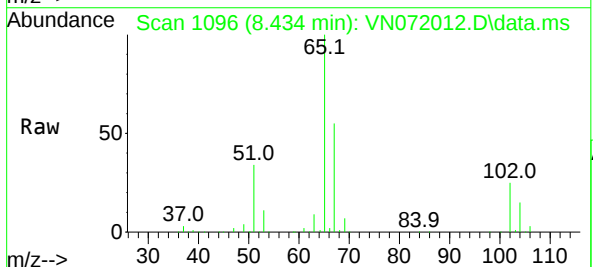
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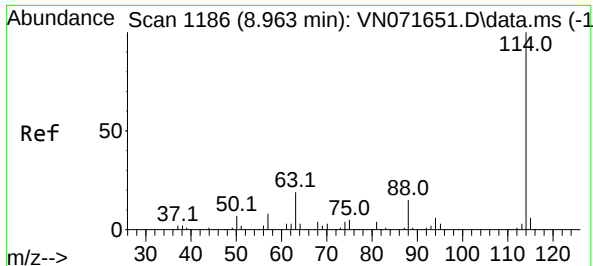
Tgt Ion: 56 Resp: 9149
Ion Ratio Lower Upper
56 100
69 191.8 27.8 41.8#
84 165.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.508 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 65 Resp: 319643
Ion Ratio Lower Upper
65 100
67 54.1 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: VN072012.D

Acq: 15 Apr 2022 19:38

Instrument :

MSVOA_N

ClientSampleId :

PB144101TB

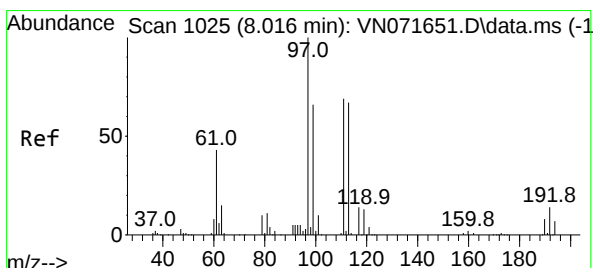
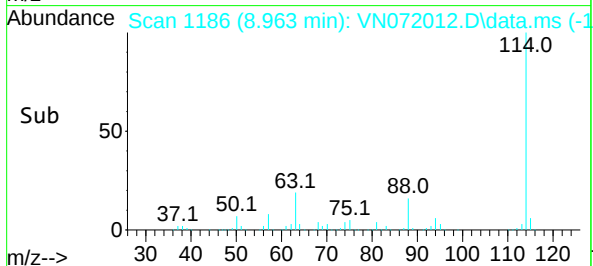
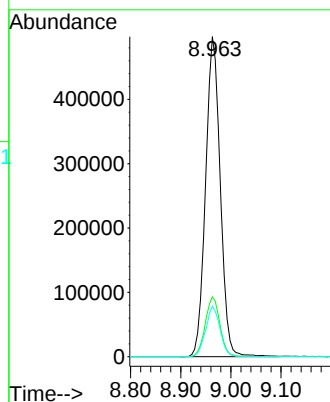
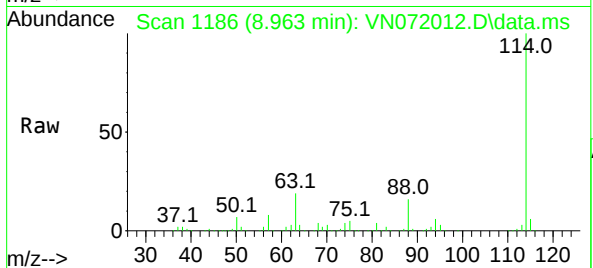
Tgt Ion:114 Resp: 1012554

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.751 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

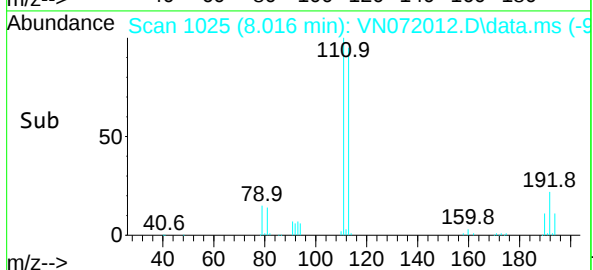
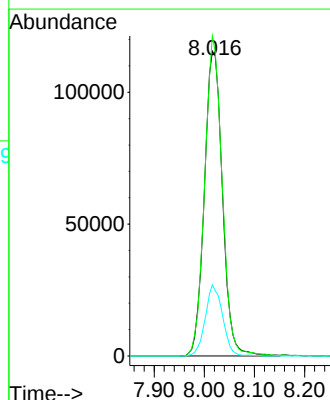
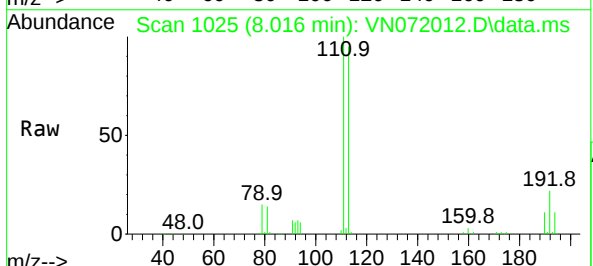
Tgt Ion:113 Resp: 290474

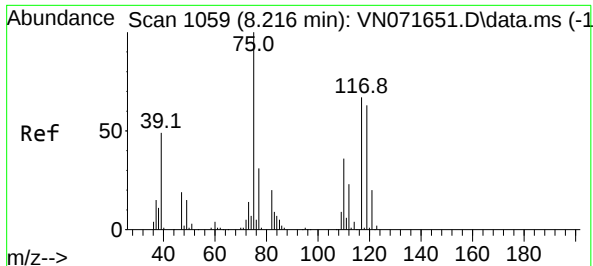
Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.640 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

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PB144101TB

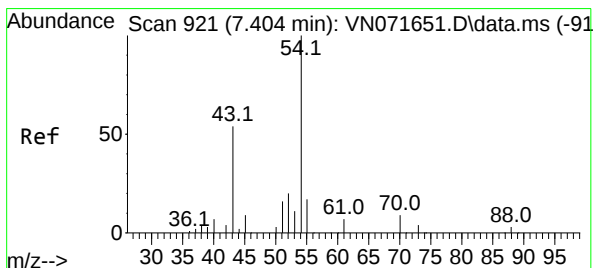
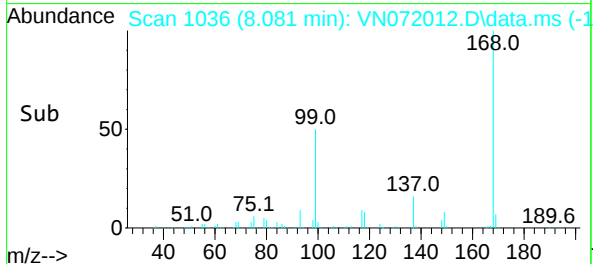
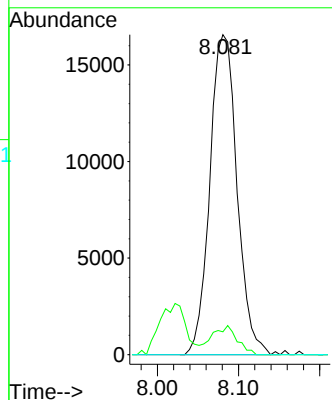
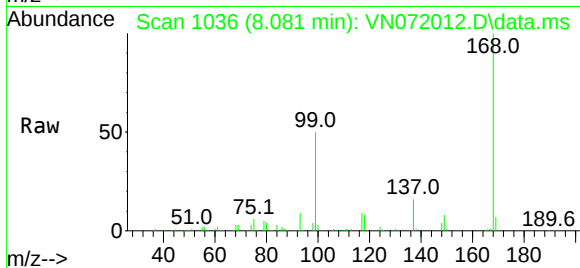
Tgt Ion: 75 Resp: 38610

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.413 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.070 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

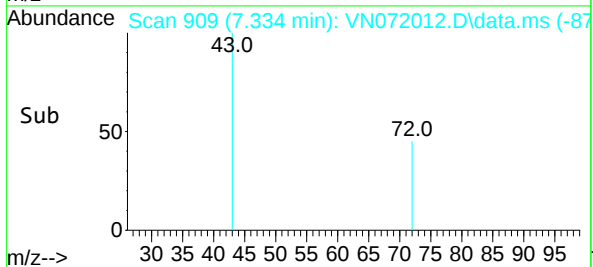
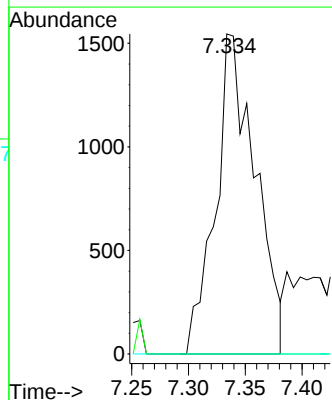
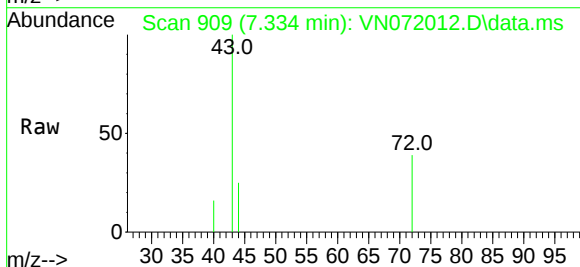
Tgt Ion: 43 Resp: 3764

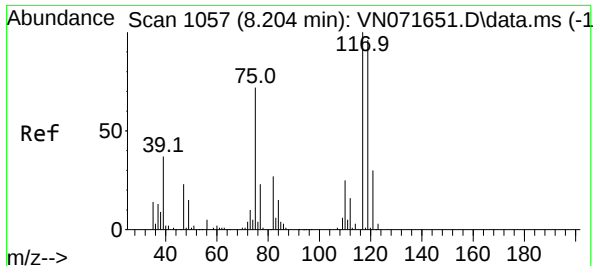
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

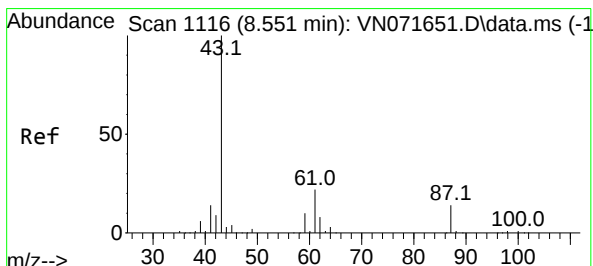
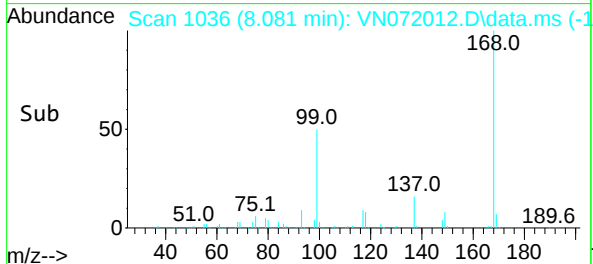
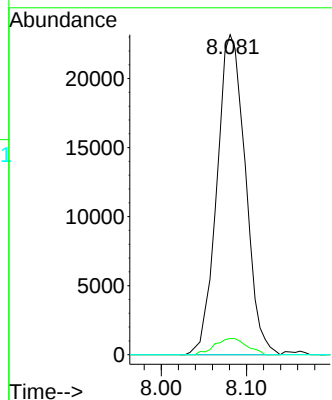
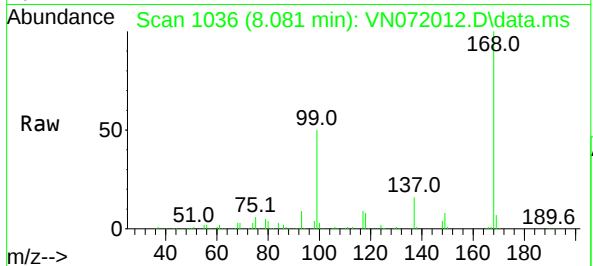




#38
Carbon Tetrachloride
Concen: 6.585 ug/l
RT: 8.081 min Scan# 1117
Delta R.T. -0.123 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

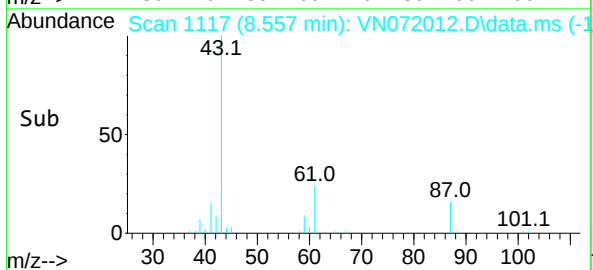
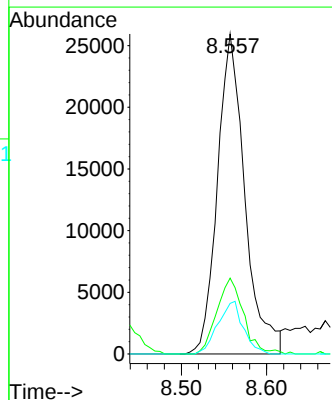
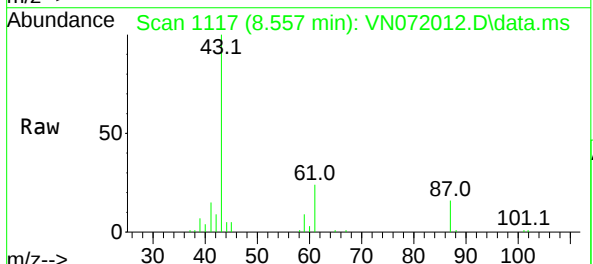
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

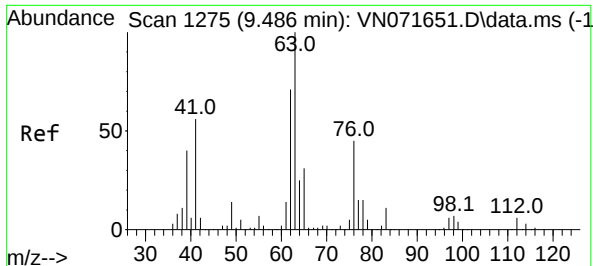
Tgt Ion:117 Resp: 53695
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 3.830 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 43 Resp: 58014
Ion Ratio Lower Upper
43 100
61 23.1 21.9 32.9
87 15.2 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.767 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.136 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

Instrument :

MSVOA_N

ClientSampleId :

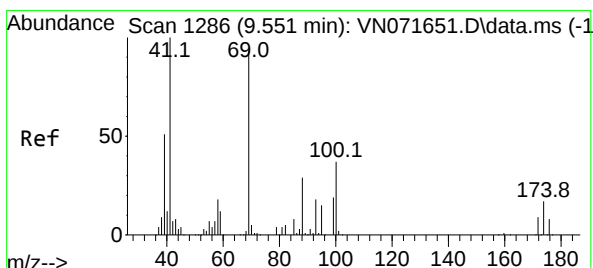
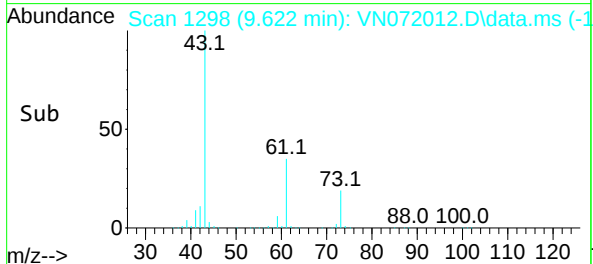
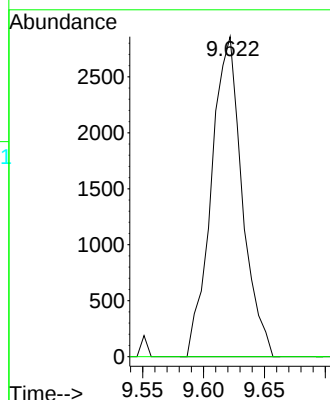
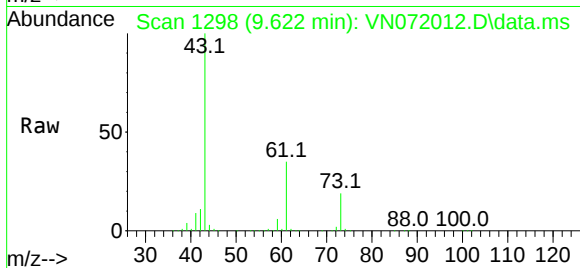
PB144101TB

Tgt Ion: 63 Resp: 5037

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.499 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

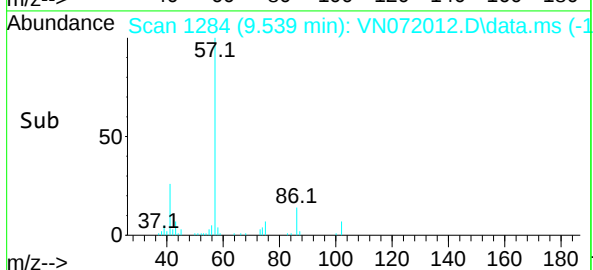
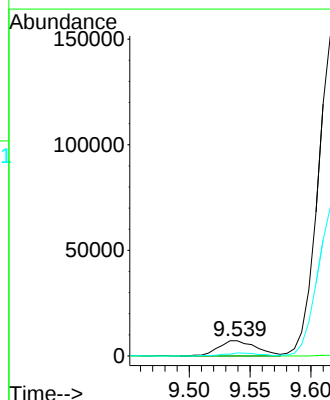
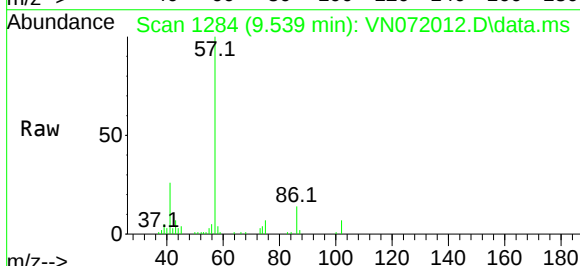
Tgt Ion: 41 Resp: 15705

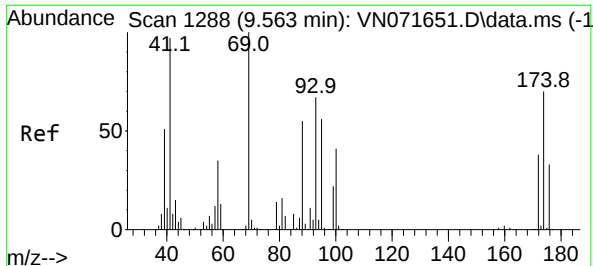
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

Instrument :

MSVOA_N

ClientSampleId :

PB144101TB

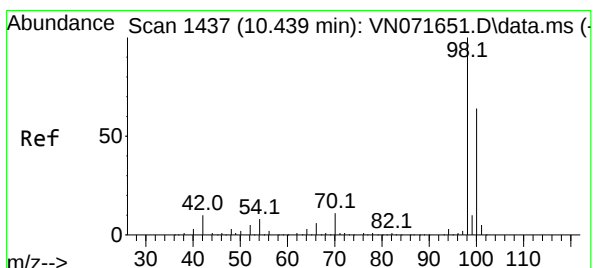
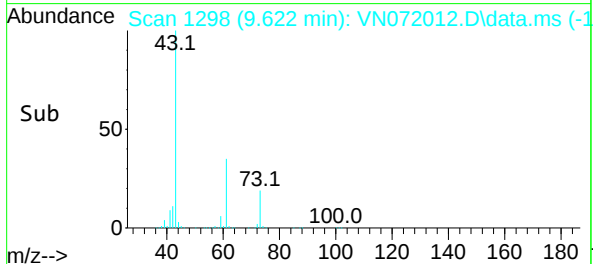
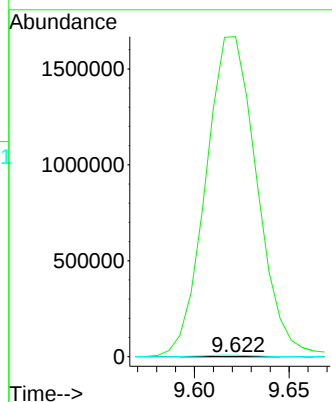
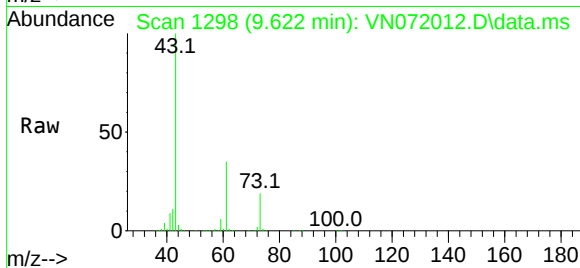
Tgt Ion: 88 Resp: 616

Ion Ratio Lower Upper

88 100

43 516653.4 20.2 30.4#

58 2639.9 54.2 81.4#



#50

Toluene-d8

Concen: 55.136 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072012.D

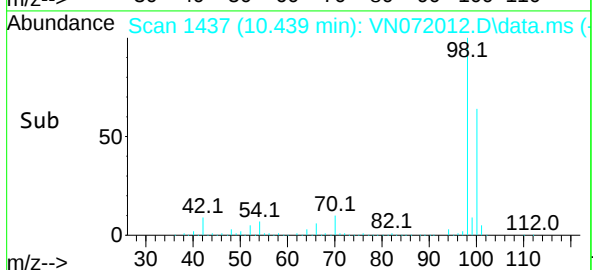
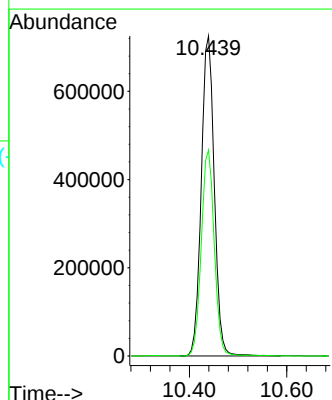
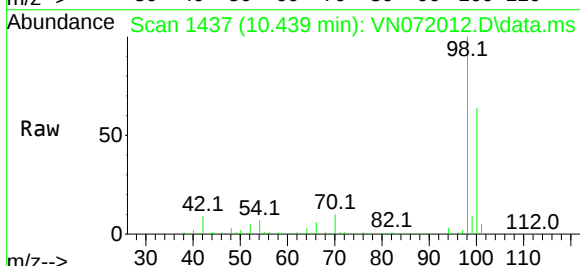
Acq: 15 Apr 2022 19:38

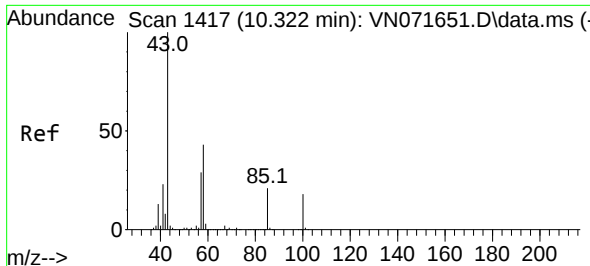
Tgt Ion: 98 Resp: 1343898

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8

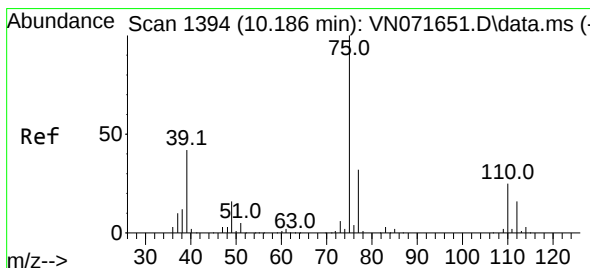
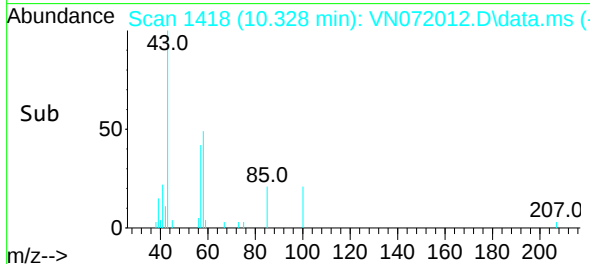
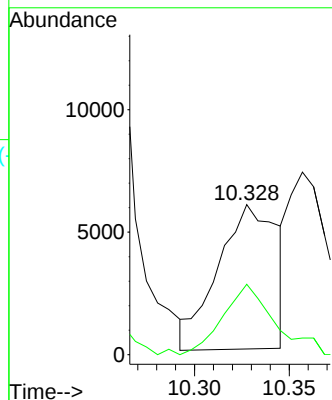
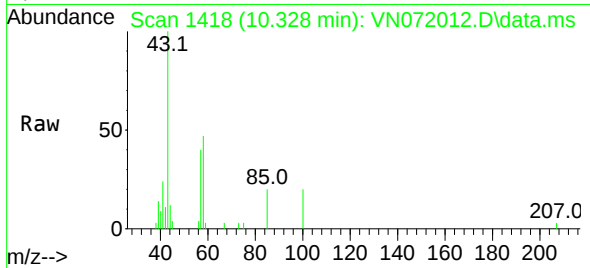




#51
4-Methyl-2-Pentanone
Concen: 1.467 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

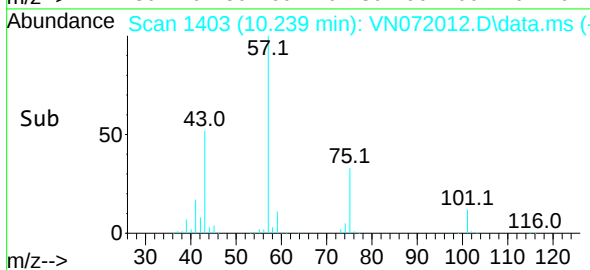
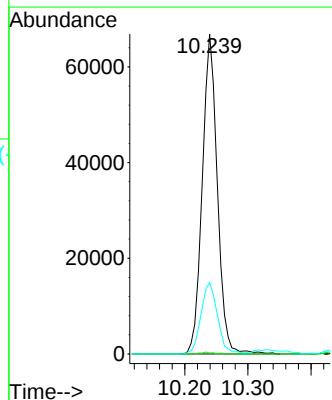
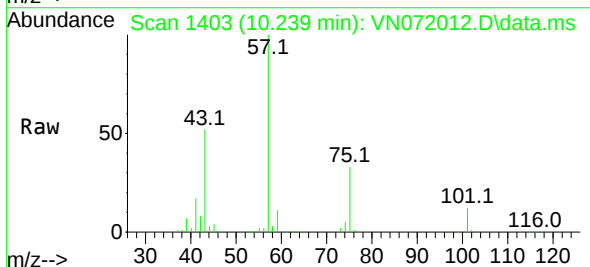
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

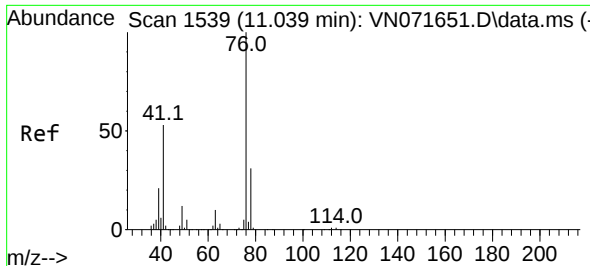
Tgt Ion: 43 Resp: 12775
Ion Ratio Lower Upper
43 100
58 42.6 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 10.884 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 75 Resp: 110613
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 22.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 6.329 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

Instrument :

MSVOA_N

ClientSampleId :

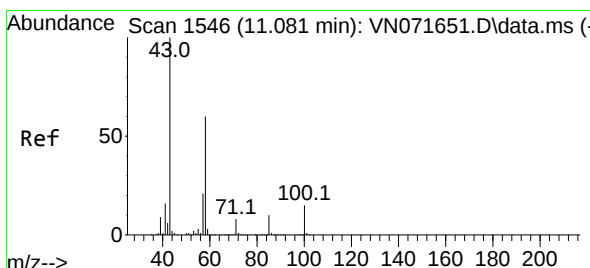
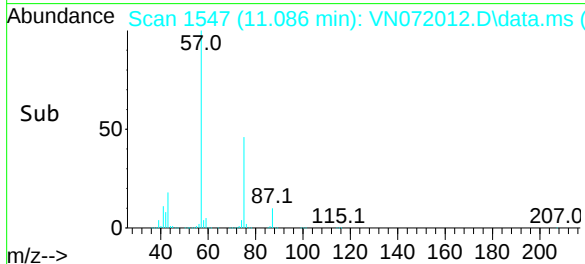
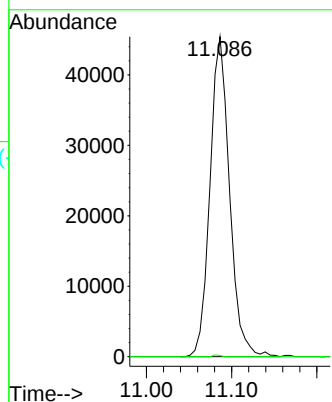
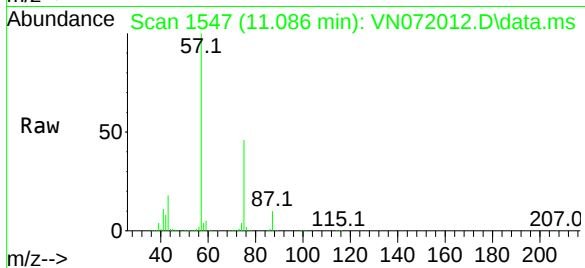
PB144101TB

Tgt Ion: 76 Resp: 72364

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 133.434 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072012.D

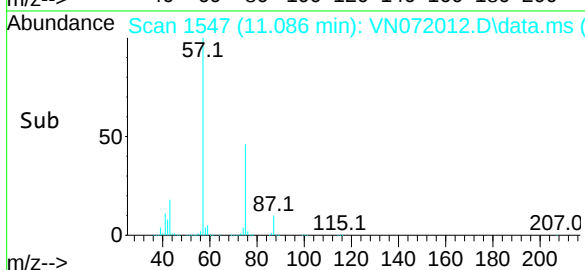
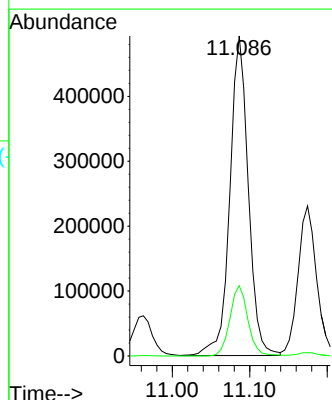
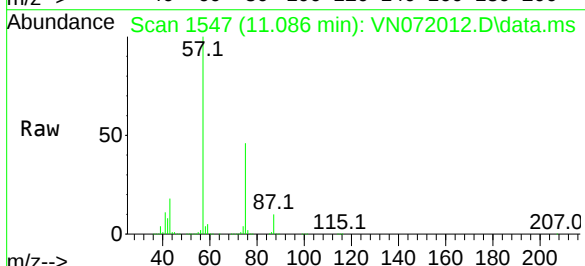
Acq: 15 Apr 2022 19:38

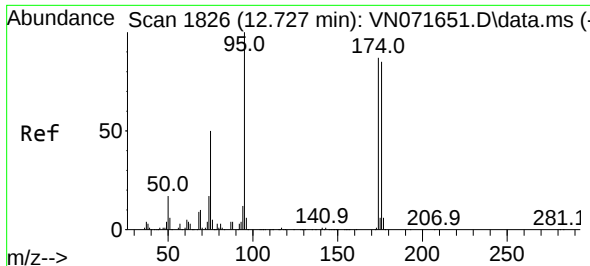
Tgt Ion: 43 Resp: 818182

Ion Ratio Lower Upper

43 100

58 21.4 29.7 89.1#

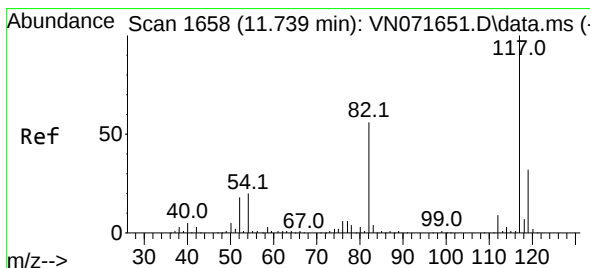
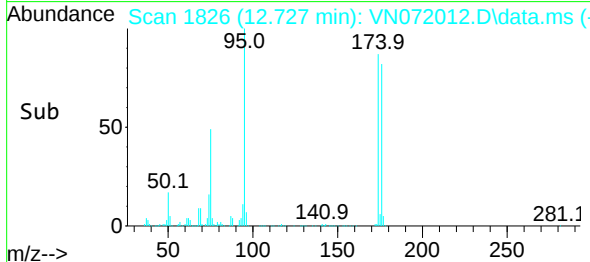
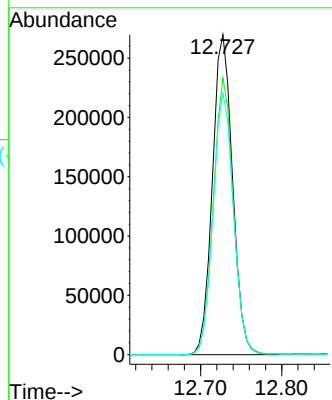
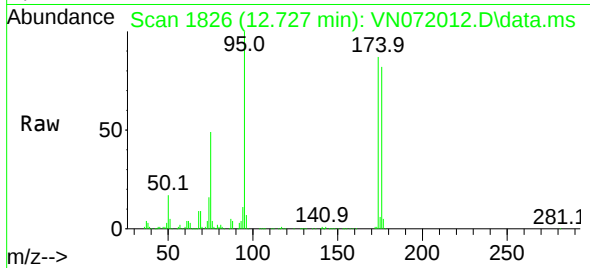




#62
4-Bromofluorobenzene
Concen: 58.979 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

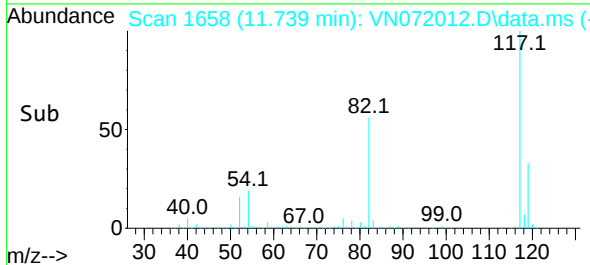
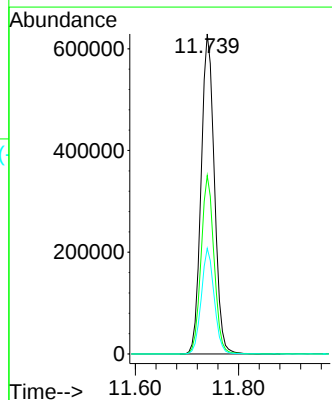
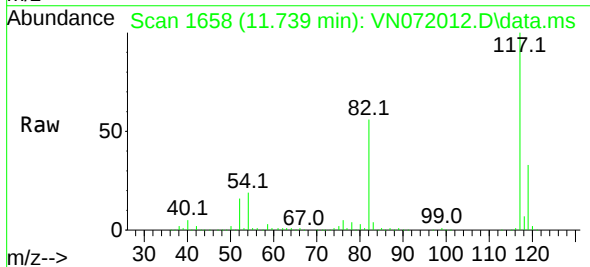
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

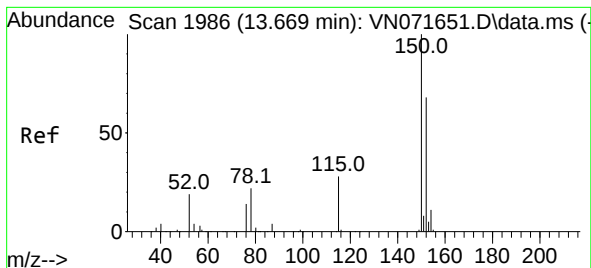
Tgt Ion: 95 Resp: 464928
Ion Ratio Lower Upper
95 100
174 86.2 0.0 167.6
176 82.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 117 Resp: 1120960
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 33.0 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: VN072012.D

Acq: 15 Apr 2022 19:38

Instrument :

MSVOA_N

ClientSampleId :

PB144101TB

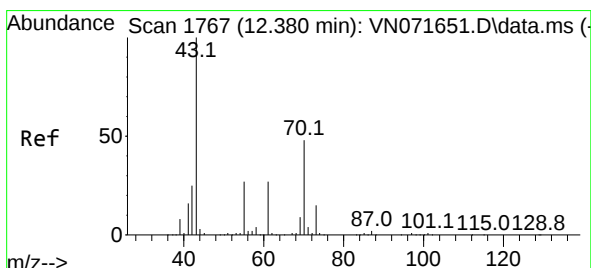
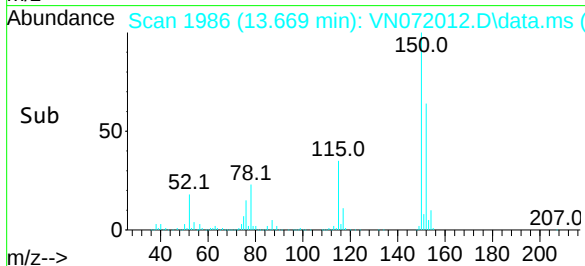
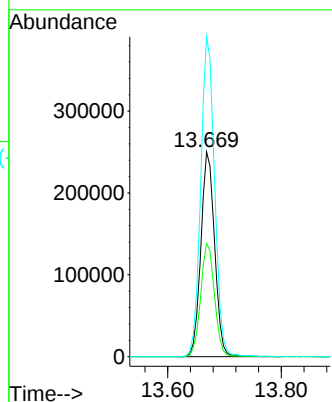
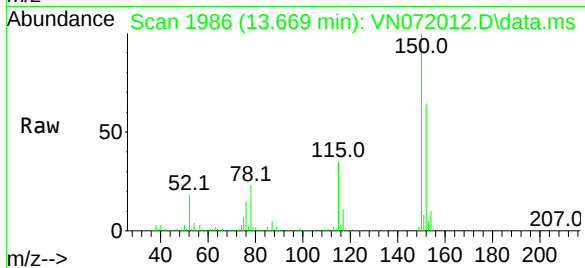
Tgt Ion:152 Resp: 421178

Ion Ratio Lower Upper

152 100

115 55.6 28.9 86.7

150 157.4 0.0 356.2



#74

N-ethyl acetate

Concen: 2.843 ug/l

RT: 12.192 min Scan# 1735

Delta R.T. -0.188 min

Lab File: VN072012.D

Acq: 15 Apr 2022 19:38

Tgt Ion: 43 Resp: 28912

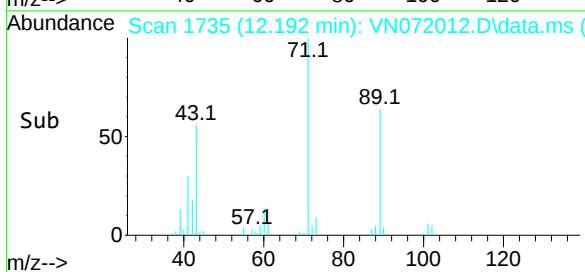
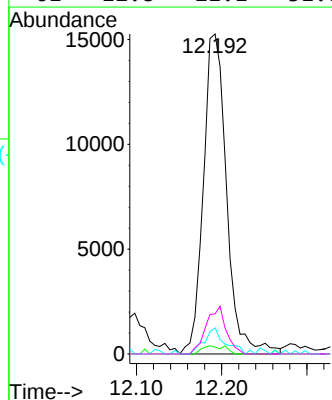
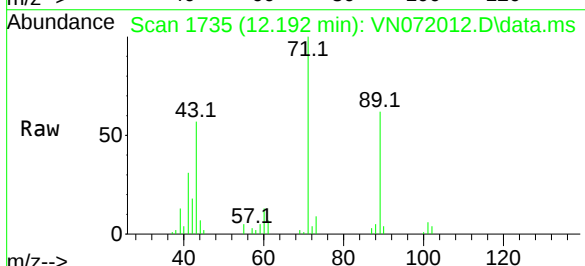
Ion Ratio Lower Upper

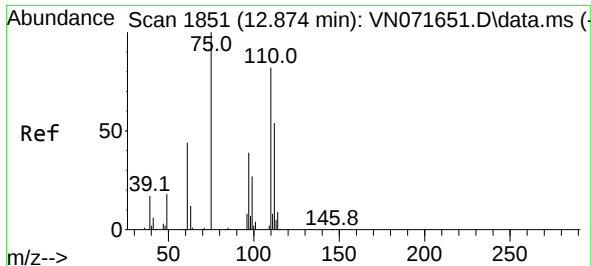
43 100

70 2.5 39.0 58.4#

55 7.5 21.1 31.7#

61 12.8 21.1 31.7#

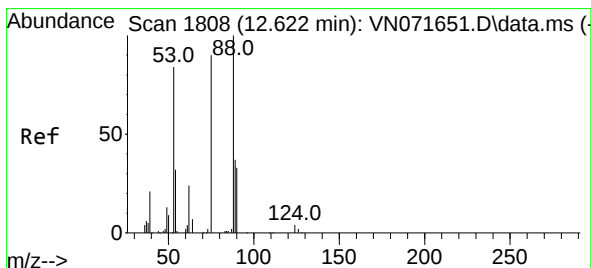
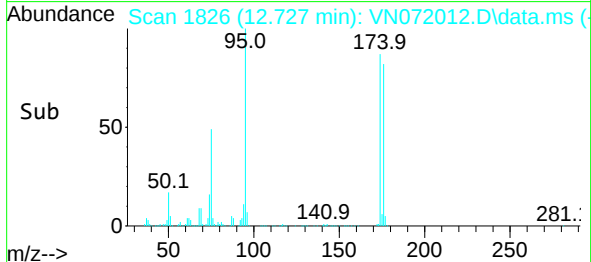
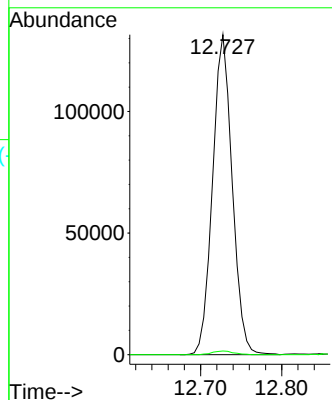
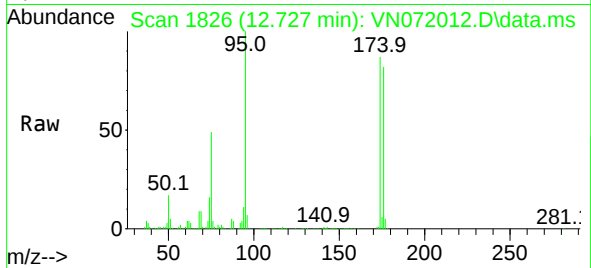




#76
1,2,3-Trichloropropane
Concen: 22.667 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

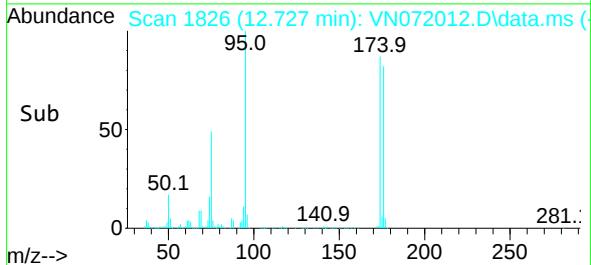
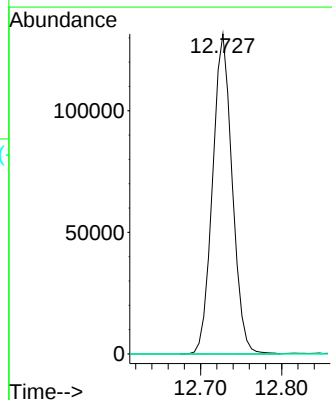
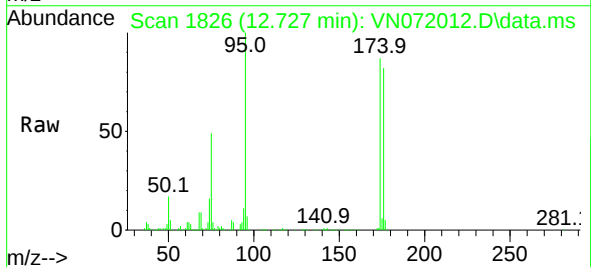
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

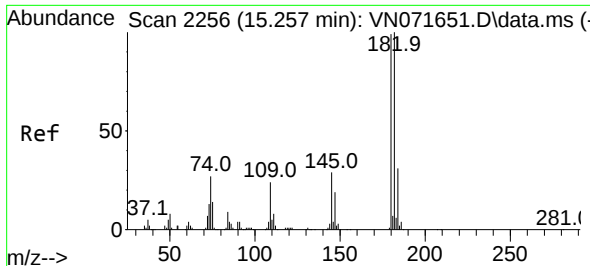
Tgt Ion: 75 Resp: 221158
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.244 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion: 75 Resp: 221158
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

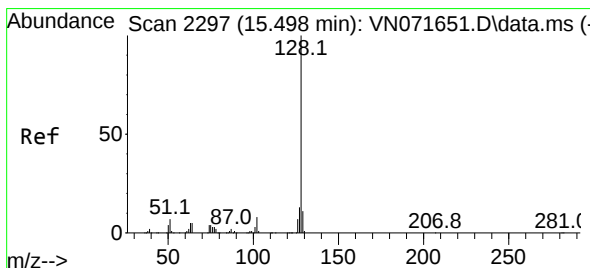
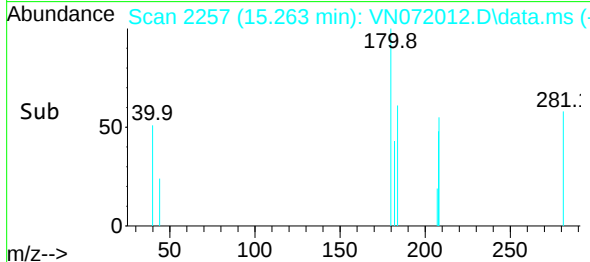
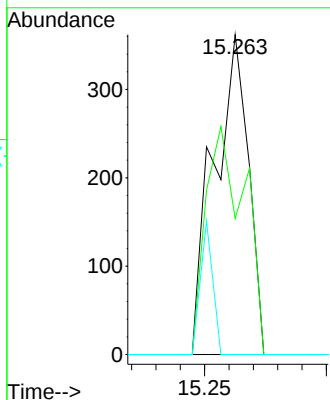
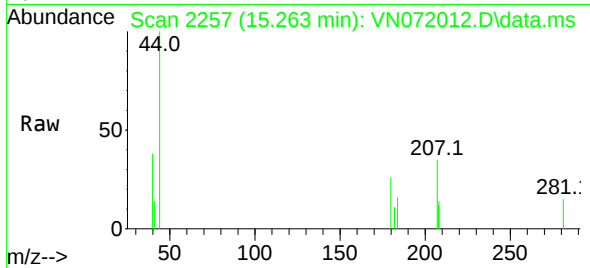




#93
1,2,4-Trichlorobenzene
Concen: 2.137 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

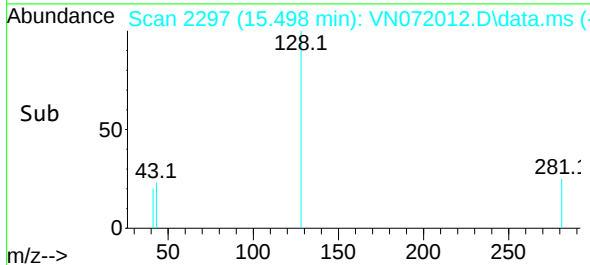
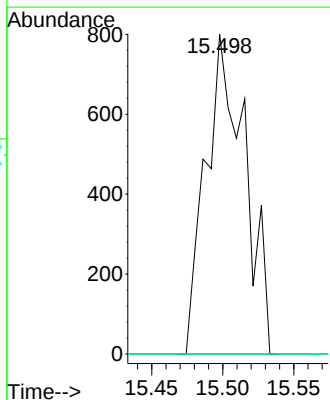
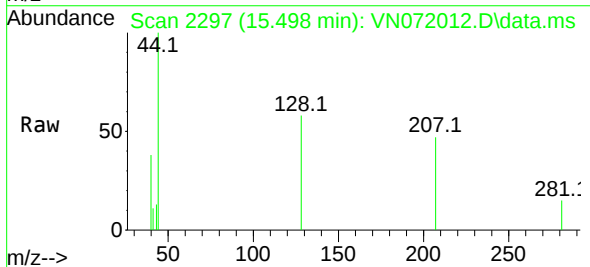
Instrument :
MSVOA_N
ClientSampleId :
PB144101TB

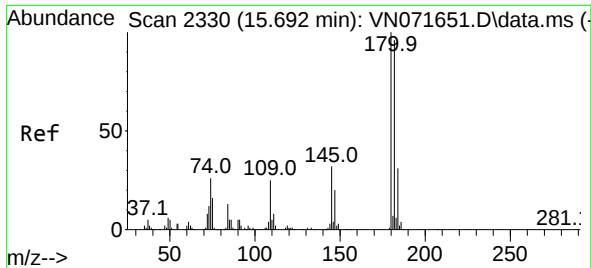
Tgt Ion:180 Resp: 356
Ion Ratio Lower Upper
180 100
182 80.3 47.5 142.5
145 14.9 14.5 43.5



#95
Naphthalene
Concen: 3.877 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072012.D
Acq: 15 Apr 2022 19:38

Tgt Ion:128 Resp: 1533
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.486 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN072012.D
 Acq: 15 Apr 2022 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101TB

Tgt Ion:180 Resp: 490
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.8 143.3
 145 0.0 15.5 46.5#

