

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051322\
 Data File : VN072472.D
 Acq On : 13 May 2022 12:55
 Operator : JC\MD
 Sample : VN0513WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBL01

Quant Time: May 13 14:39:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

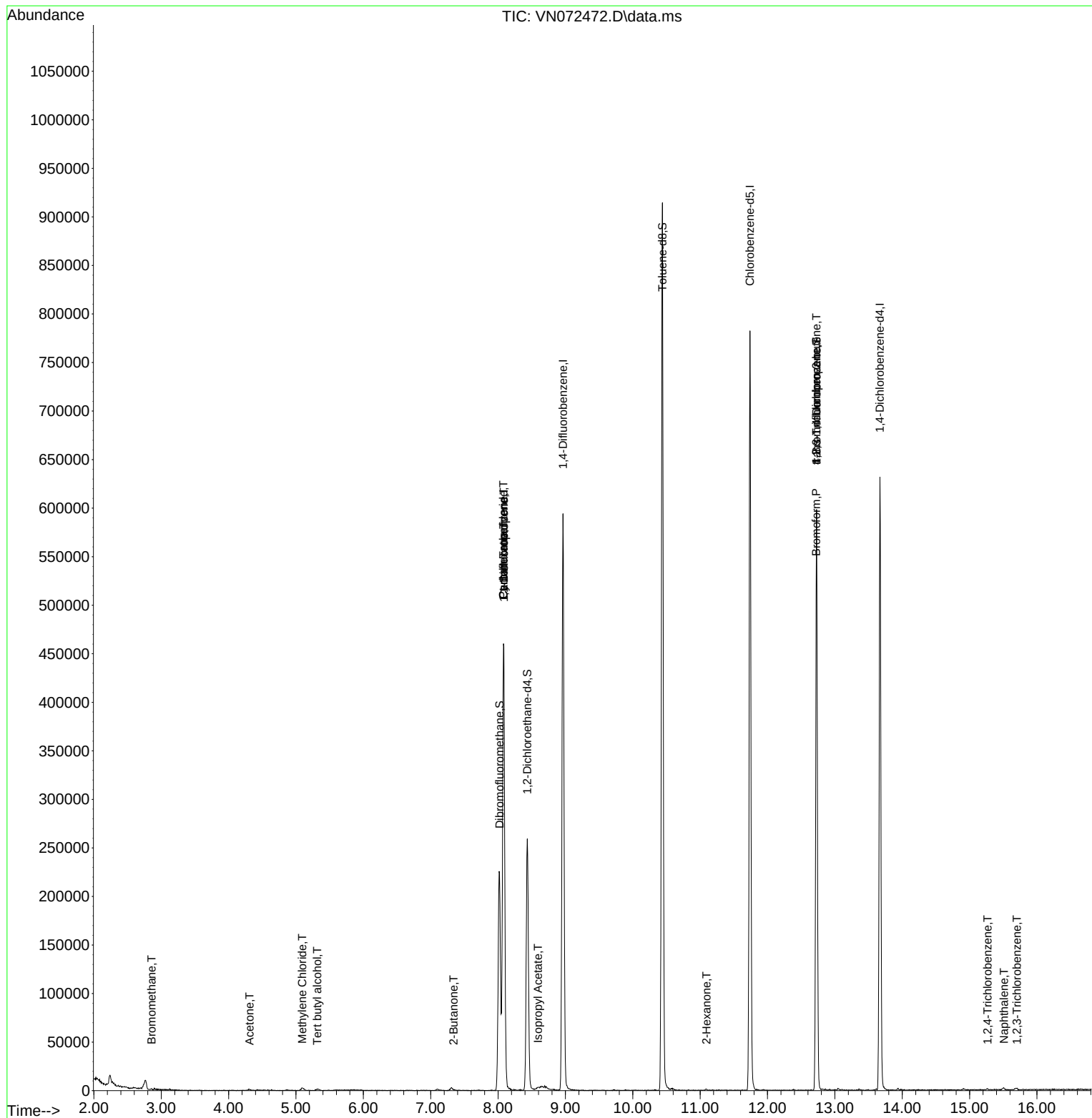
Internal Standards						
1) Pentafluorobenzene	8.081	168	332452	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	499714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	441226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	168888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	236945	46.532	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.060%		
35) Dibromofluoromethane	8.022	113	164572	49.502	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.000%		
50) Toluene-d8	10.439	98	619462	48.924	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.727	95	199276	47.390	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.780%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	507	Below Cal	#	43
5) Bromomethane	2.857	94	511	0.243	ug/l	94
6) Chloroethane	2.999	64	151	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	1290	1.549	ug/l	# 72
16) Acetone	4.310	43	1515	0.751	ug/l	99
20) Methylene Chloride	5.093	84	1438	0.348	ug/l	89
25) 2-Butanone	7.339	43	1143	0.359	ug/l	# 45
31) Cyclohexane	8.081	56	7447	1.104	ug/l	# 40
36) 1,1-Dichloropropene	8.086	75	27632	5.787	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	36890	6.903	ug/l	# 17
43) Isopropyl Acetate	8.592	43	3477	0.395	ug/l	# 53
59) 2-Hexanone	11.092	43	922	0.241	ug/l	97
71) Bromoform	12.721	173	662	0.249	ug/l	# 28
76) 1,2,3-Trichloropropane	12.727	75	110929	25.183	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	110929	84.011	ug/l	# 10
93) 1,2,4-Trichlorobenzene	15.268	180	843	0.386	ug/l	# 75
95) Naphthalene	15.510	128	2838	3.506	ug/l	# 91
96) 1,2,3-Trichlorobenzene	15.704	180	1054	0.482	ug/l	# 12

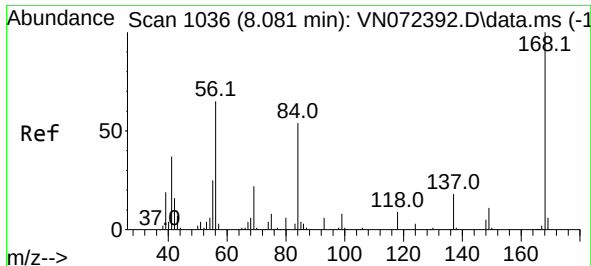
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 10 15:43:28 2022
Response via : Initial Calibration

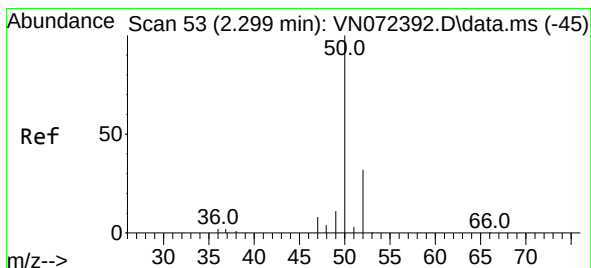
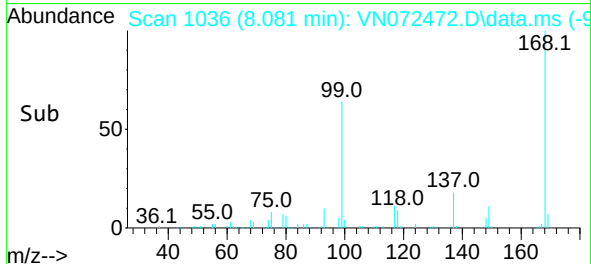
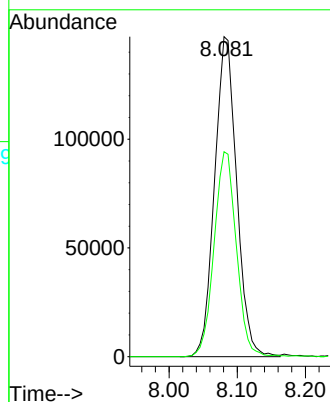
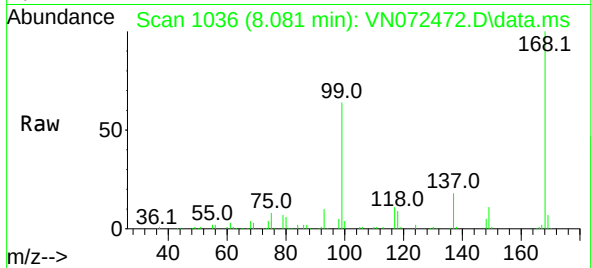




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

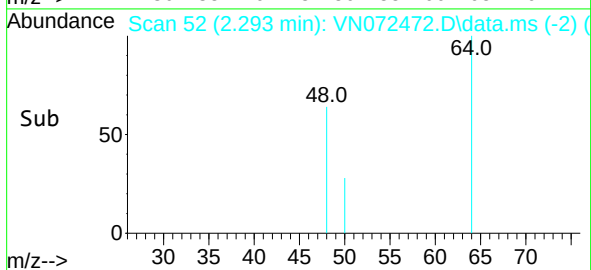
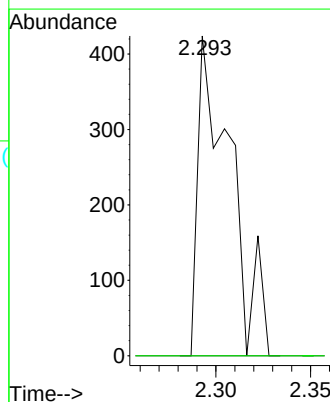
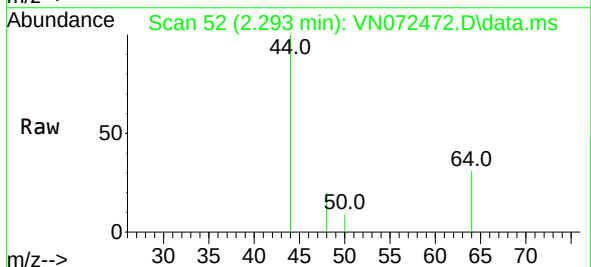
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

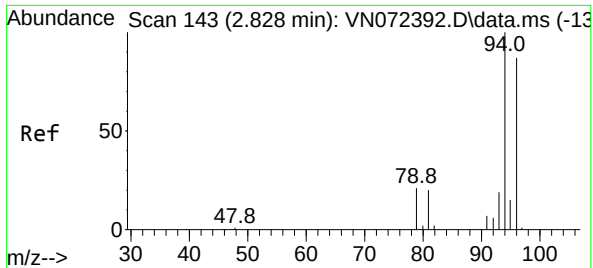
Tgt Ion:168 Resp: 332452
Ion Ratio Lower Upper
168 100
99 64.1 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: 0.243 ug/l

RT: 2.857 min Scan# 14

Delta R.T. 0.029 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

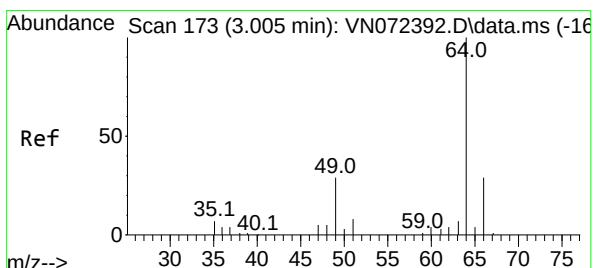
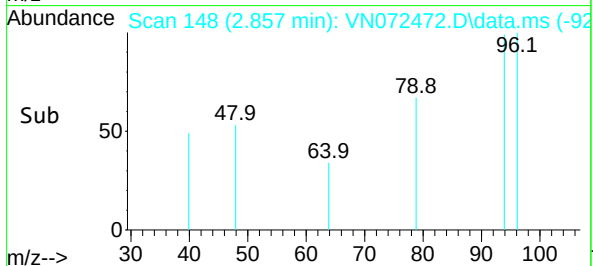
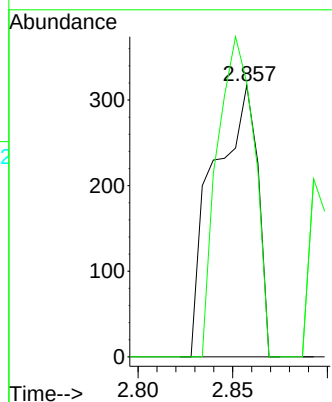
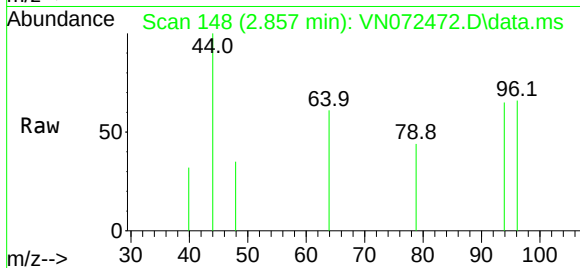
VN0513WBL01

Tgt Ion: 94 Resp: 511

Ion Ratio Lower Upper

94 100

96 100.9 76.0 114.0



#6

Chloroethane

Concen: Below Cal

RT: 2.999 min Scan# 172

Delta R.T. -0.006 min

Lab File: VN072472.D

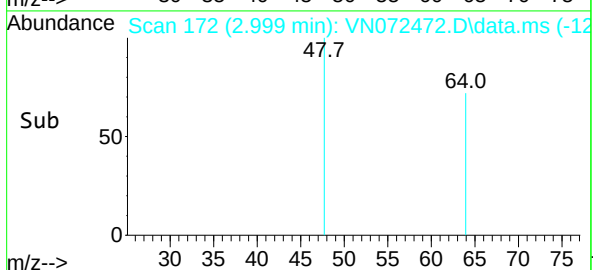
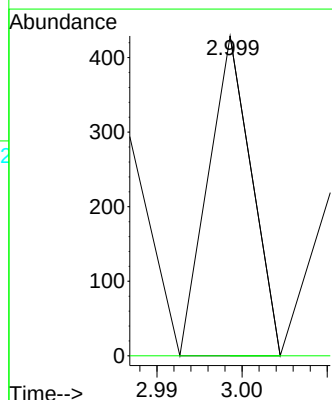
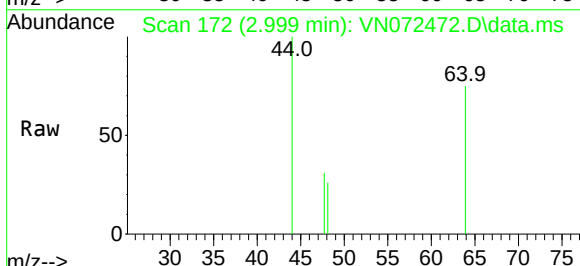
Acq: 13 May 2022 12:55

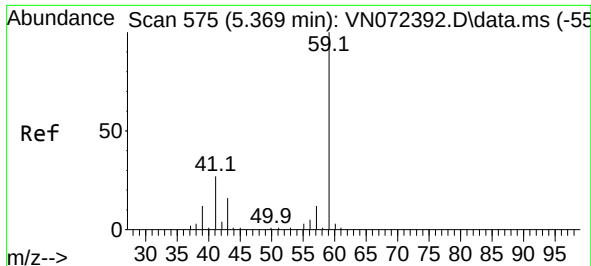
Tgt Ion: 64 Resp: 151

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

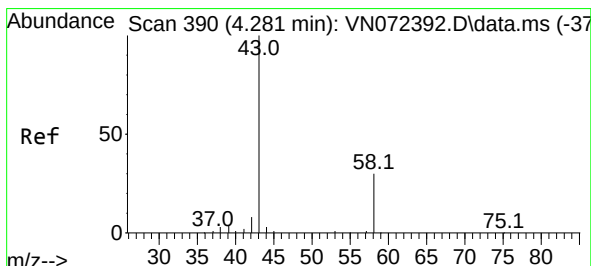
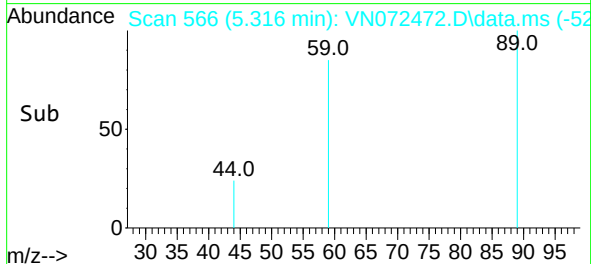
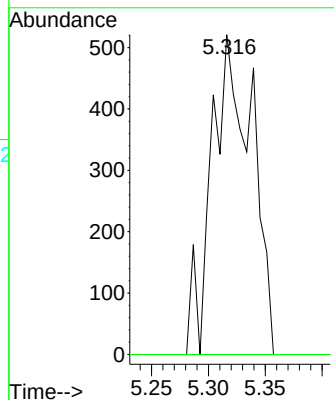
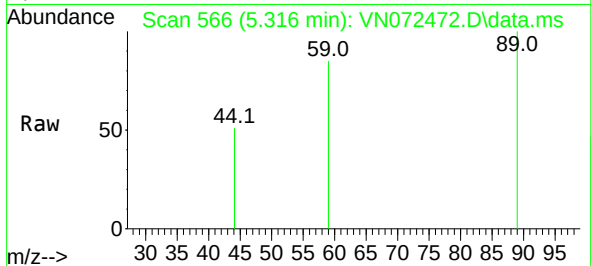




#11
Tert butyl alcohol
Concen: 1.549 ug/l
RT: 5.316 min Scan# 509
Delta R.T. -0.053 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

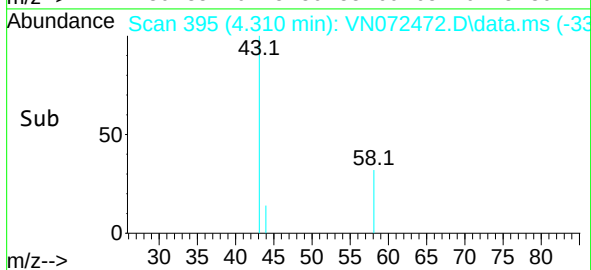
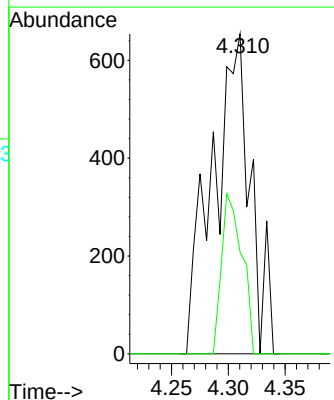
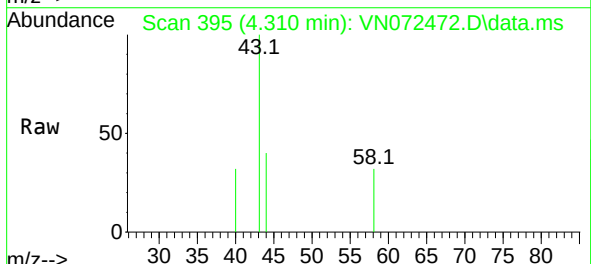
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

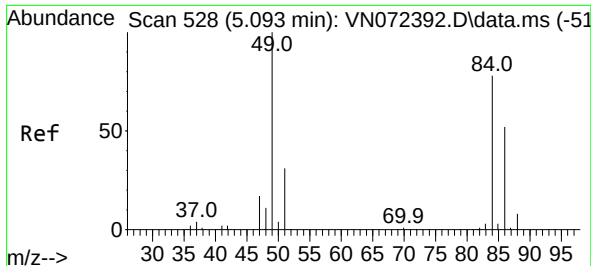
Tgt Ion: 59 Resp: 1290
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.751 ug/l
RT: 4.310 min Scan# 395
Delta R.T. 0.029 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

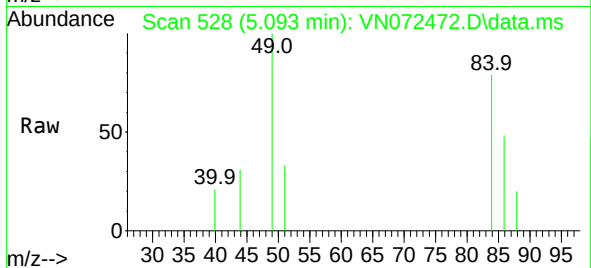
Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
58 31.8 26.0 39.0



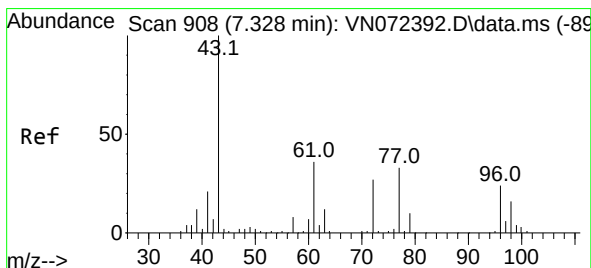
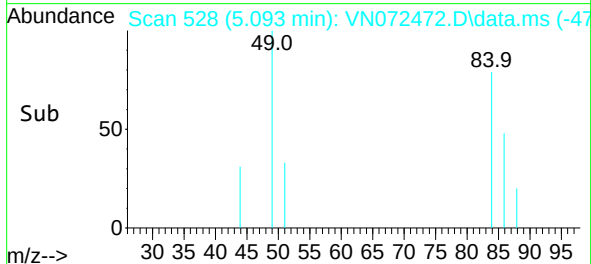
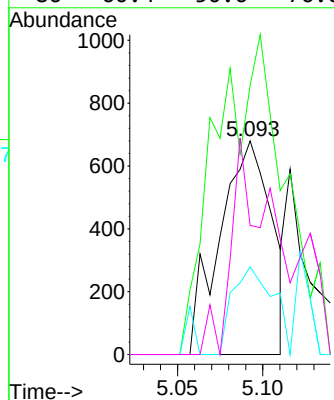


#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

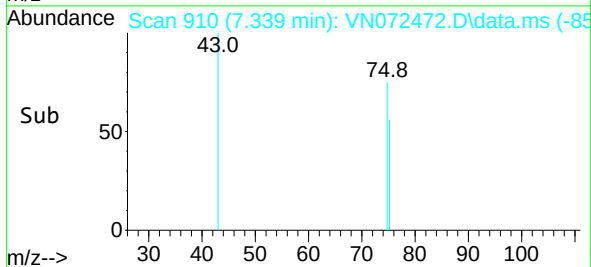
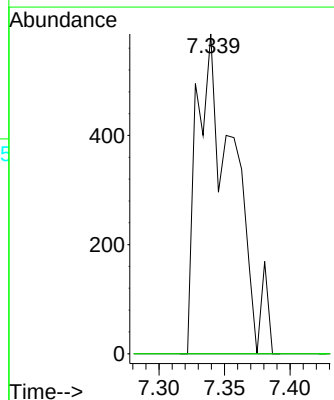
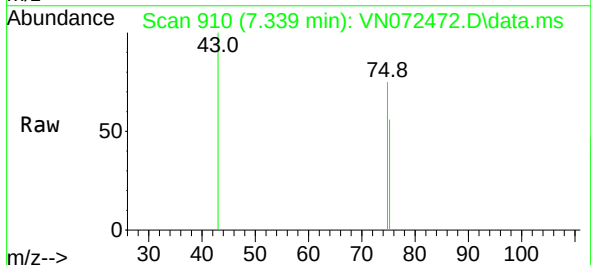


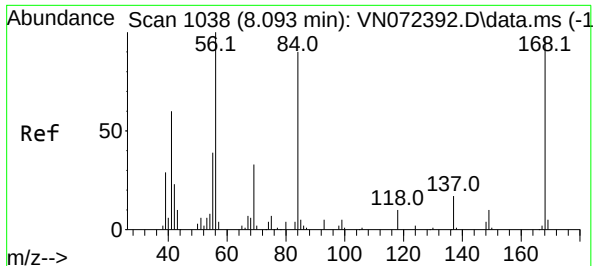
Tgt Ion: 84	Resp: 1438
Ion Ratio	Lower Upper
84 100	
49 125.9	88.3 132.5
51 41.0	28.2 42.2
86 60.4	50.6 76.0



#25
2-Butanone
Concen: 0.359 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

Tgt Ion: 43	Resp: 1143
Ion Ratio	Lower Upper
43 100	
72 0.0	23.7 35.5#





#31

Cyclohexane

Concen: 1.104 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

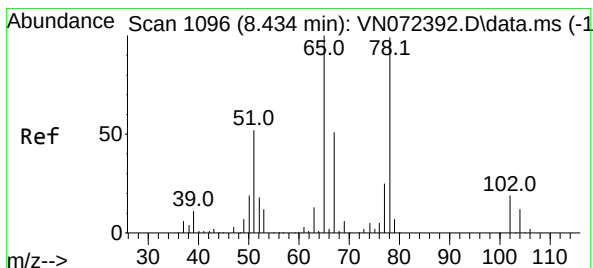
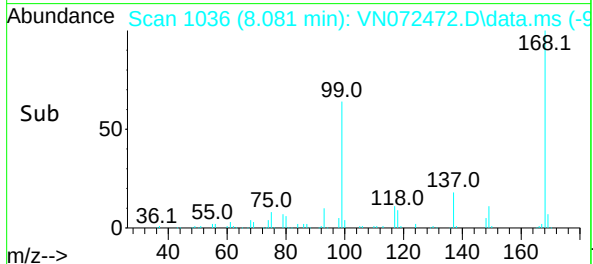
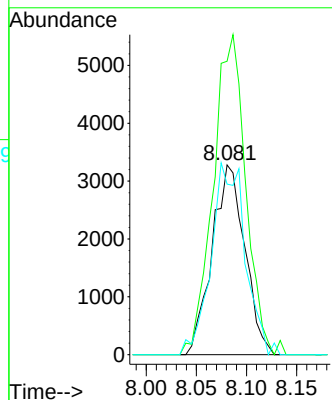
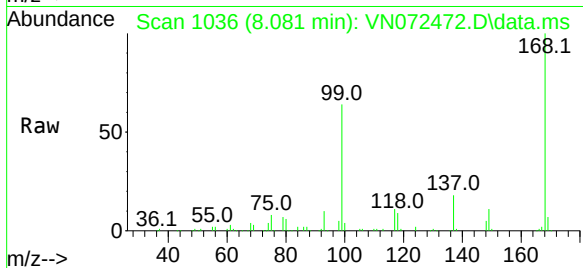
Tgt Ion: 56 Resp: 7447

Ion Ratio Lower Upper

56 100

69 154.7 27.8 41.8#

84 89.8 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 46.532 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072472.D

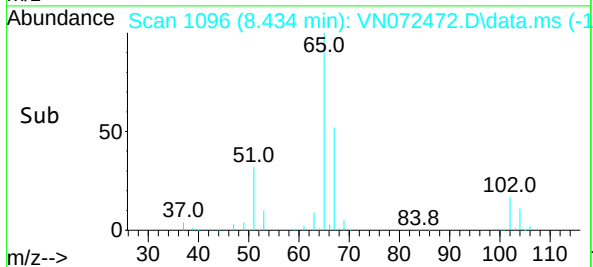
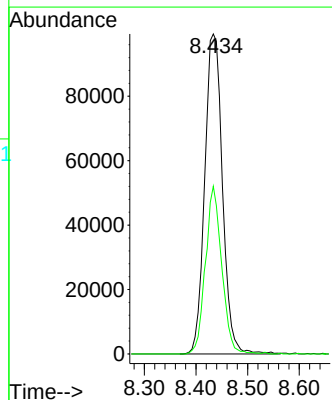
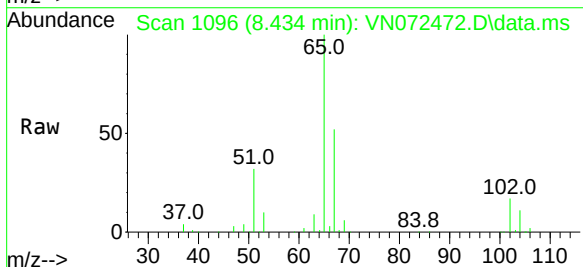
Acq: 13 May 2022 12:55

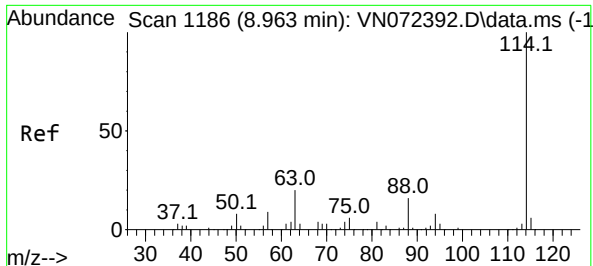
Tgt Ion: 65 Resp: 236945

Ion Ratio Lower Upper

65 100

67 48.1 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: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

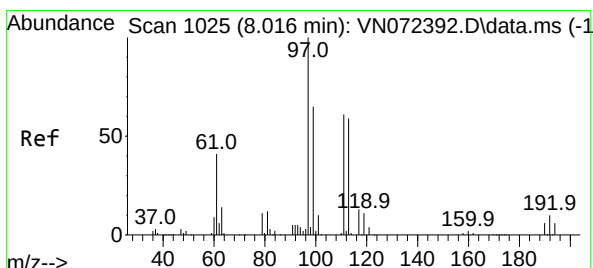
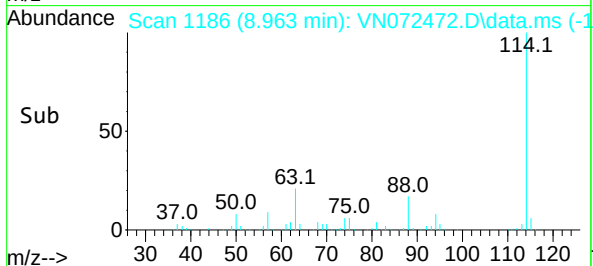
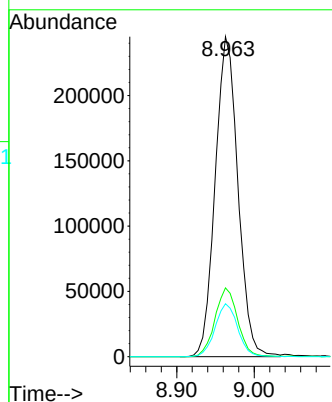
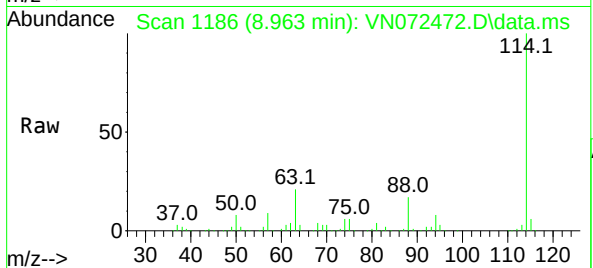
Tgt Ion:114 Resp: 499714

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.502 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

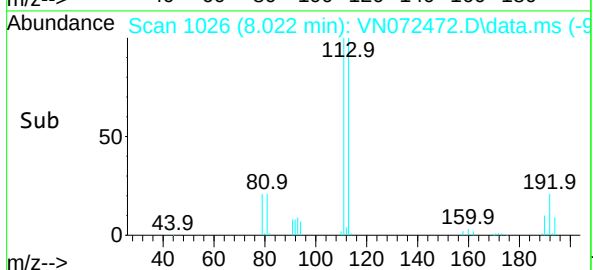
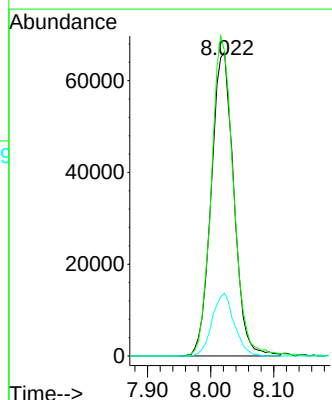
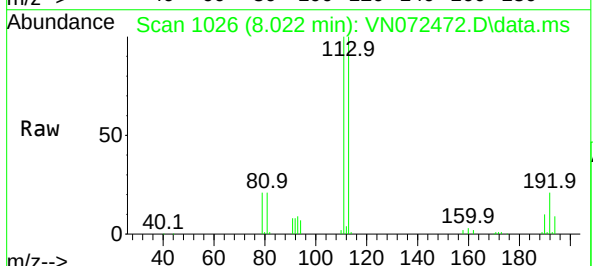
Tgt Ion:113 Resp: 164572

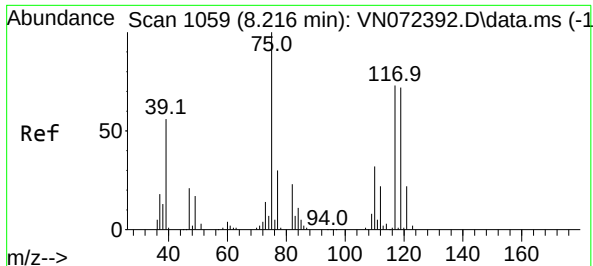
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 20.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.787 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

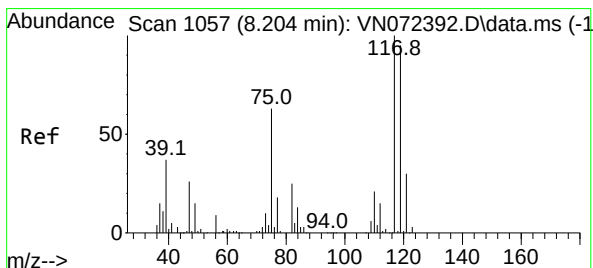
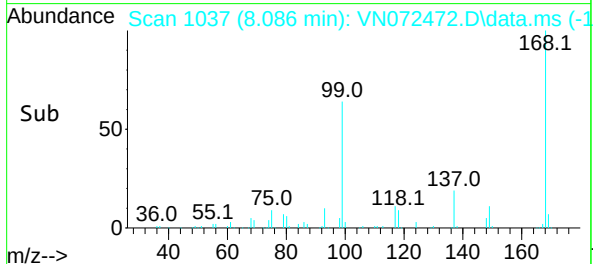
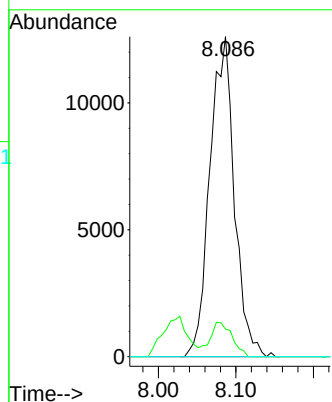
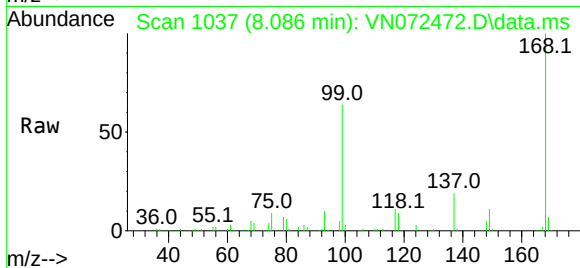
Tgt Ion: 75 Resp: 27632

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.903 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

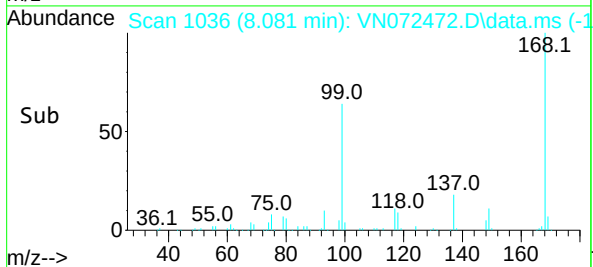
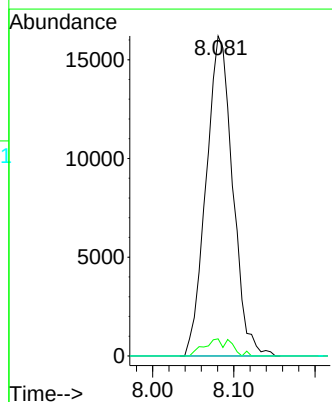
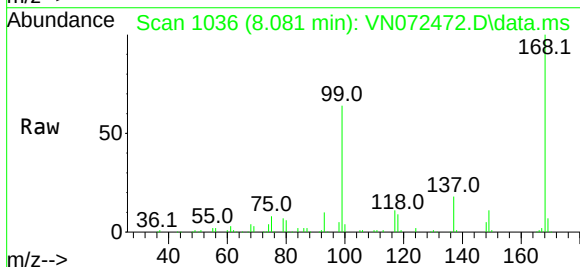
Tgt Ion: 117 Resp: 36890

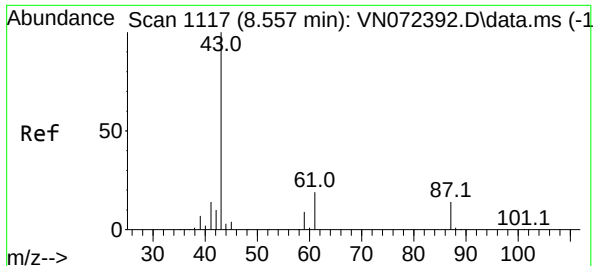
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.395 ug/l

RT: 8.592 min Scan# 1117

Delta R.T. 0.035 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

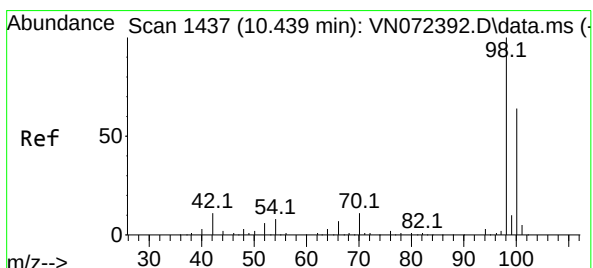
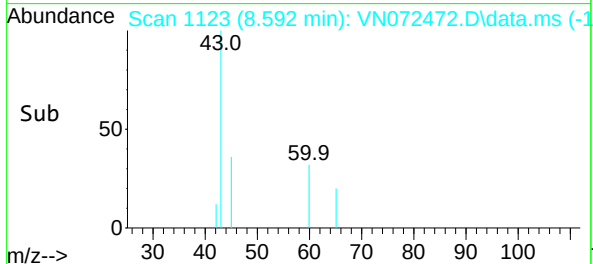
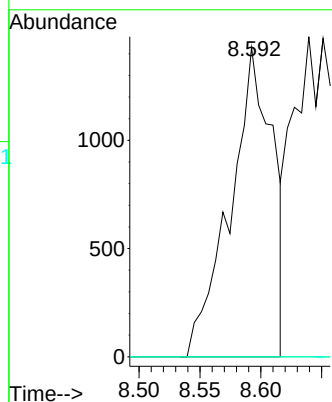
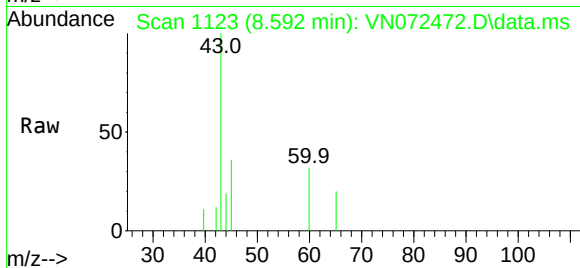
Tgt Ion: 43 Resp: 3477

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 48.924 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072472.D

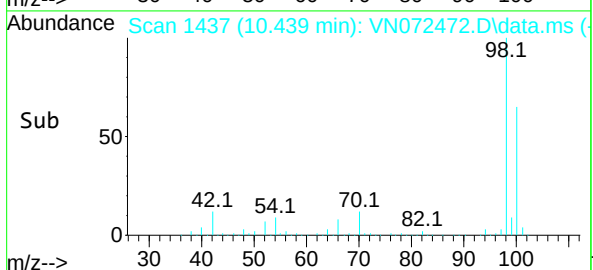
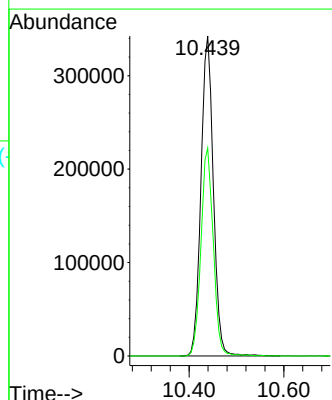
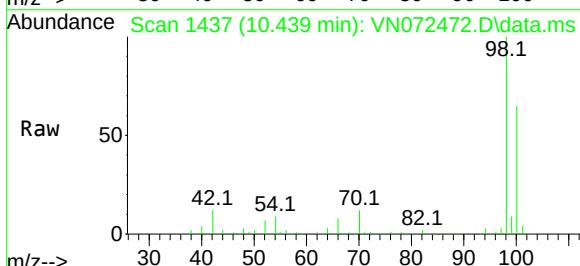
Acq: 13 May 2022 12:55

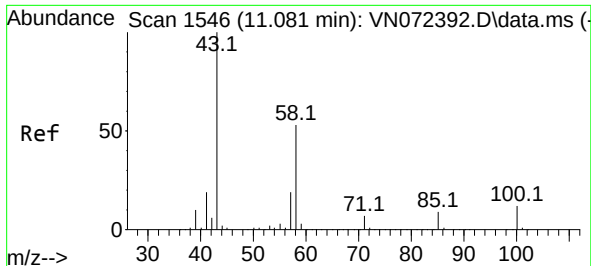
Tgt Ion: 98 Resp: 619462

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8





#59

2-Hexanone

Concen: 0.241 ug/l

RT: 11.092 min Scan# 11

Delta R.T. 0.011 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

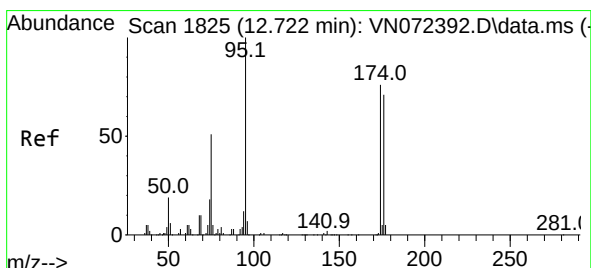
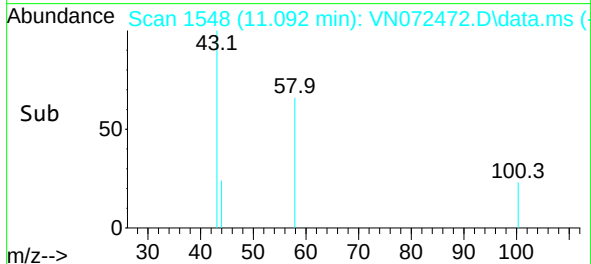
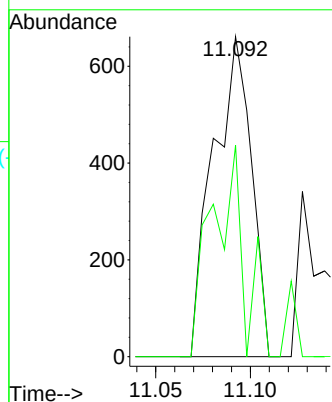
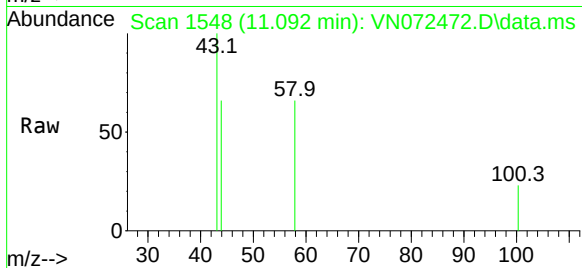
VN0513WBL01

Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

58 57.2 29.7 89.1



#62

4-Bromofluorobenzene

Concen: 47.390 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.005 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

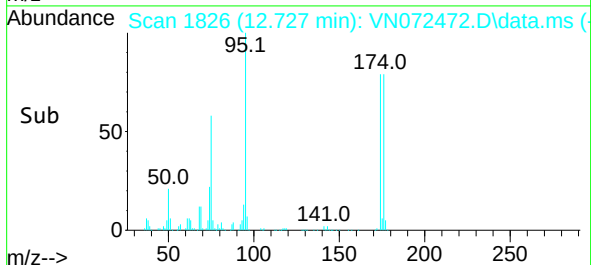
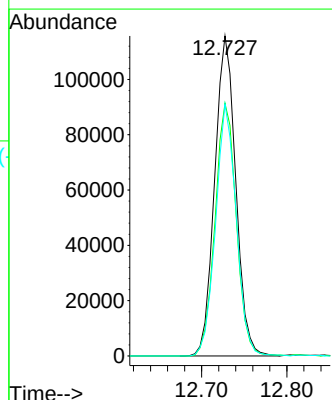
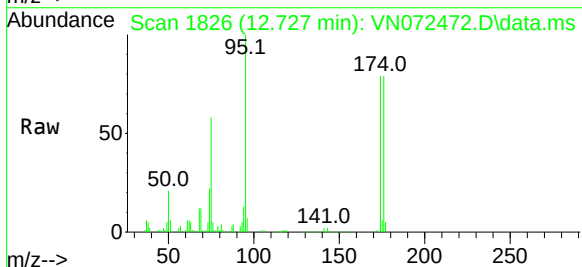
Tgt Ion: 95 Resp: 199276

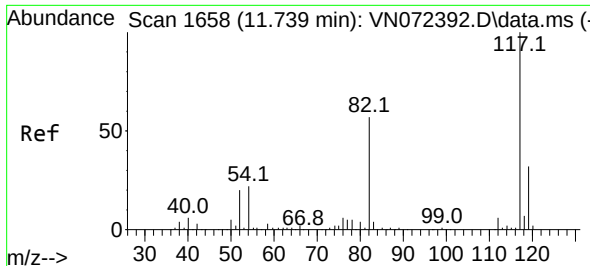
Ion Ratio Lower Upper

95 100

174 79.4 0.0 167.6

176 77.0 0.0 163.4

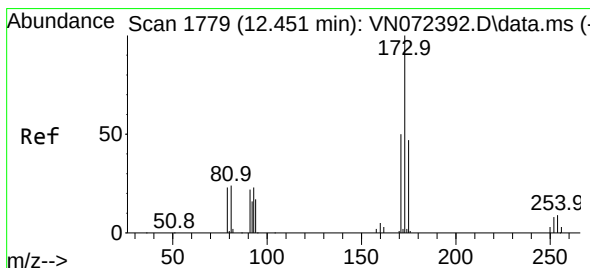
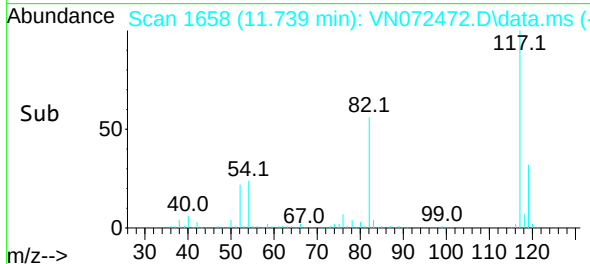
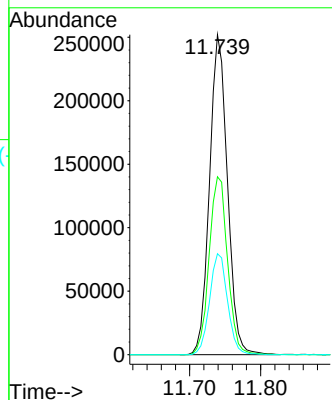
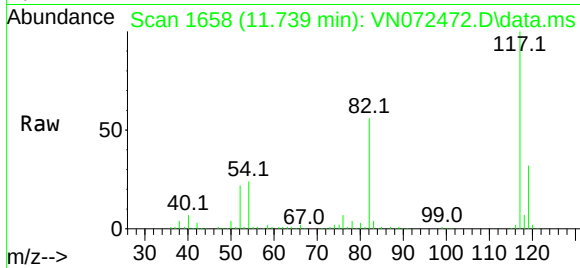




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

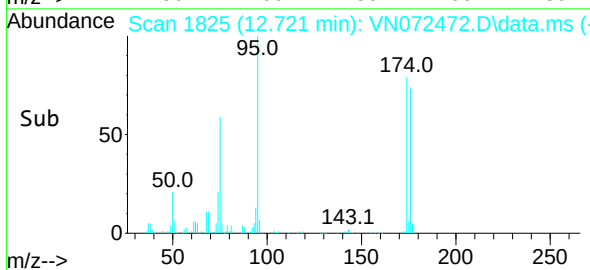
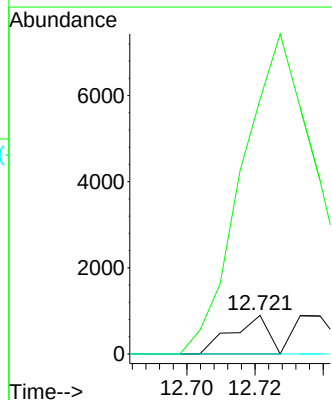
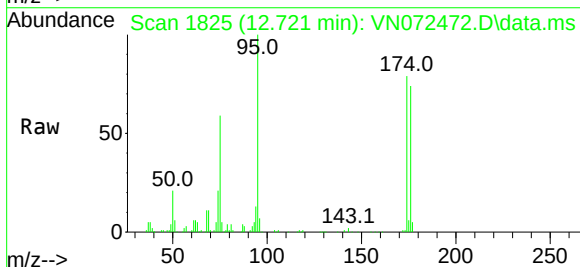
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

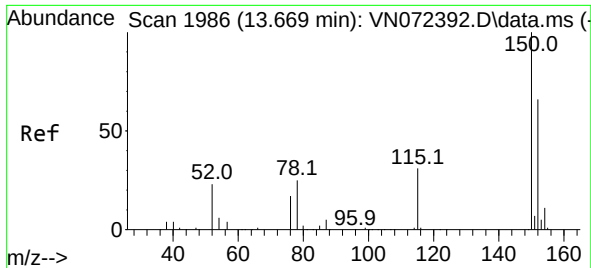
Tgt Ion:117 Resp: 441226
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.6 25.4 38.0



#71
Bromoform
Concen: 0.249 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072472.D
Acq: 13 May 2022 12:55

Tgt Ion:173 Resp: 662
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

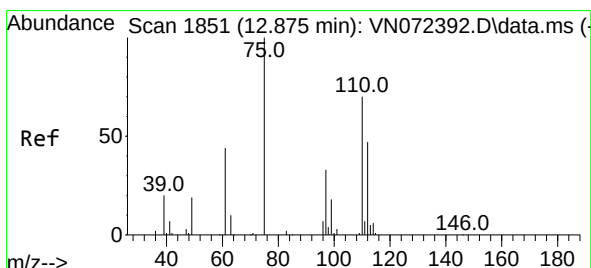
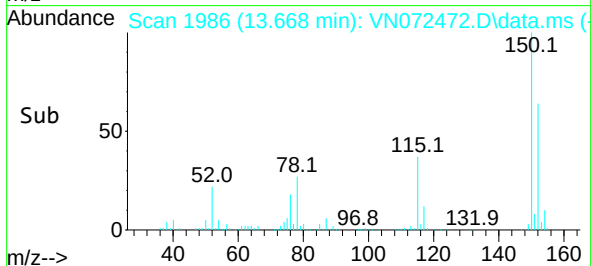
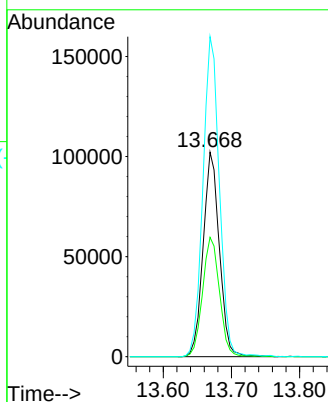
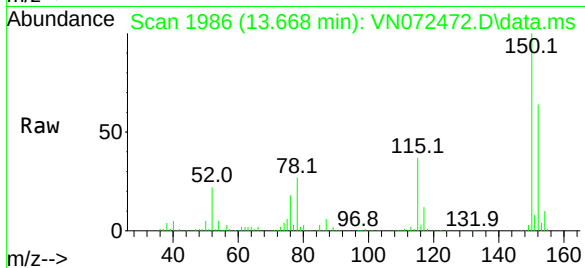




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072472.D
 Acq: 13 May 2022 12:55

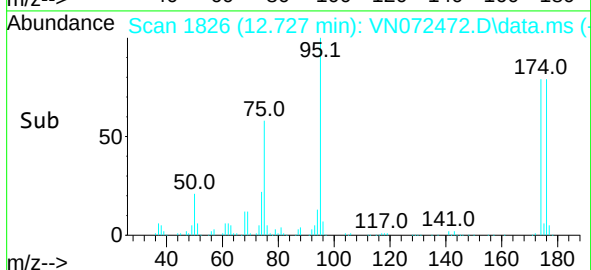
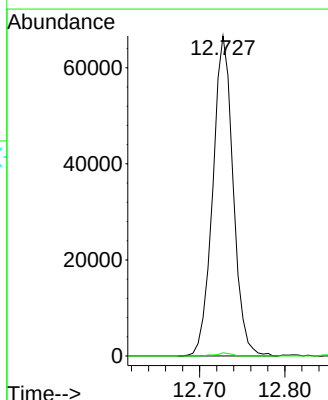
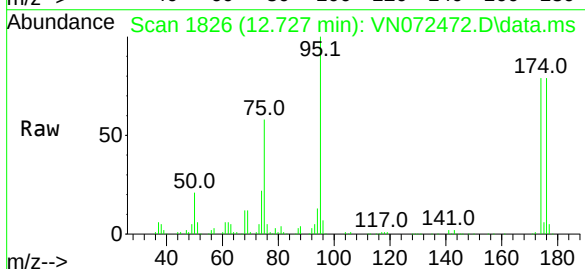
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBL01

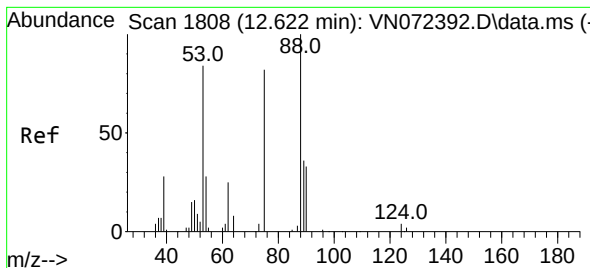
Tgt Ion:152 Resp: 168888
 Ion Ratio Lower Upper
 152 100
 115 61.1 28.9 86.7
 150 158.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.183 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.148 min
 Lab File: VN072472.D
 Acq: 13 May 2022 12:55

Tgt Ion: 75 Resp: 110929
 Ion Ratio Lower Upper
 75 100
 77 0.7 98.5 295.5#

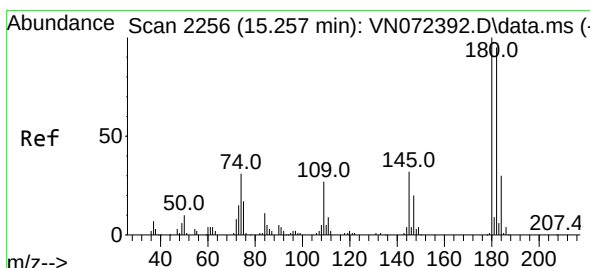
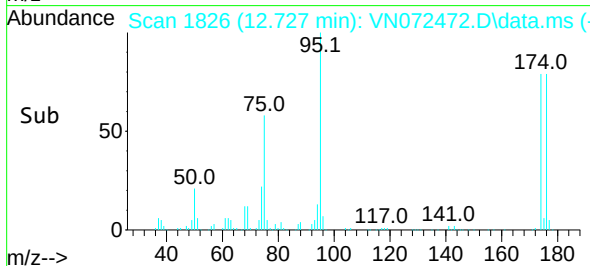
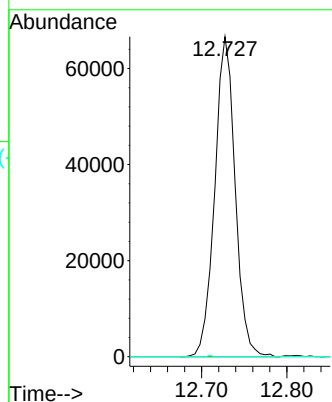
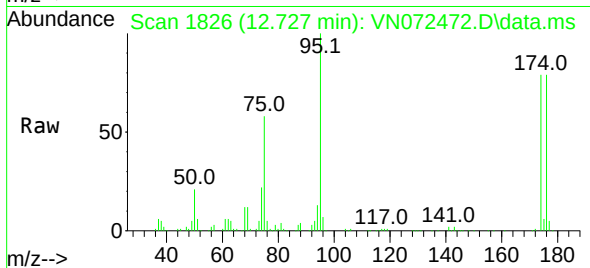




#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.011 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VN072472.D
 Acq: 13 May 2022 12:55

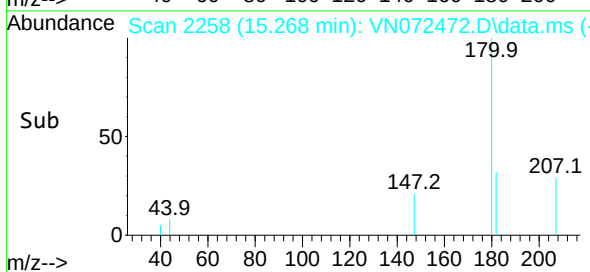
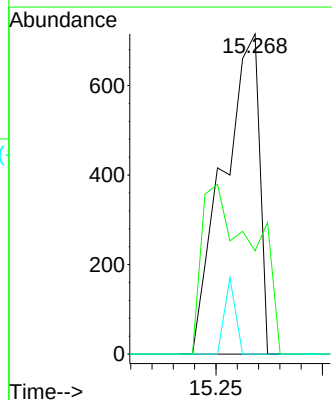
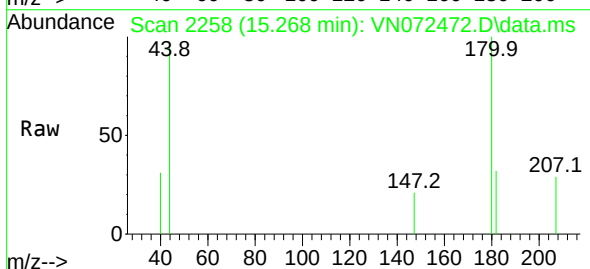
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBL01

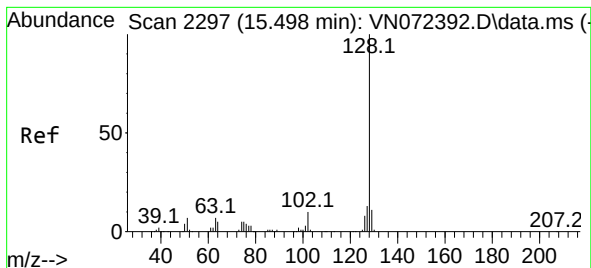
Tgt Ion: 75 Resp: 110929
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.386 ug/l
 RT: 15.268 min Scan# 2258
 Delta R.T. 0.011 min
 Lab File: VN072472.D
 Acq: 13 May 2022 12:55

Tgt Ion:180 Resp: 843
 Ion Ratio Lower Upper
 180 100
 182 74.9 47.5 142.5
 145 7.1 14.5 43.5#





#95

Naphthalene

Concen: 3.506 ug/l

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

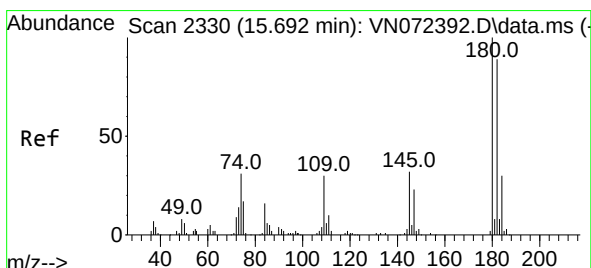
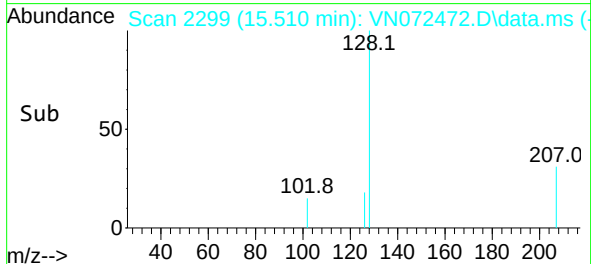
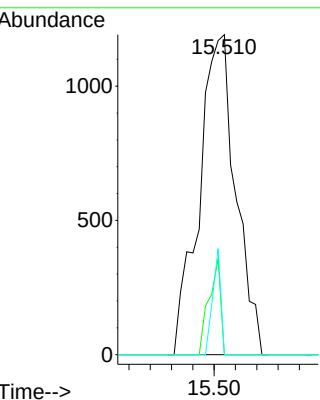
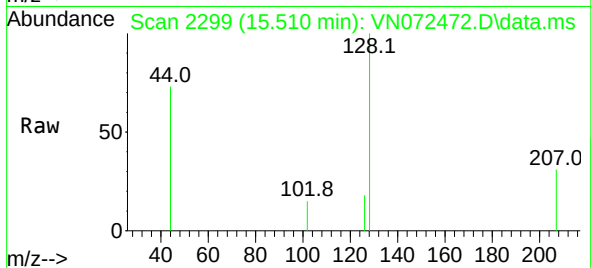
Tgt Ion:128 Resp: 2838

Ion Ratio Lower Upper

128 100

127 9.5 10.3 15.5#

129 7.2 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.482 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072472.D

Acq: 13 May 2022 12:55

Tgt Ion:180 Resp: 1054

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 15.5 46.5#

