

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050522\
 Data File : VN072336.D
 Acq On : 05 May 2022 11:09
 Operator : JC\MD
 Sample : VN0505MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505MBL01

Quant Time: May 06 01:33:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

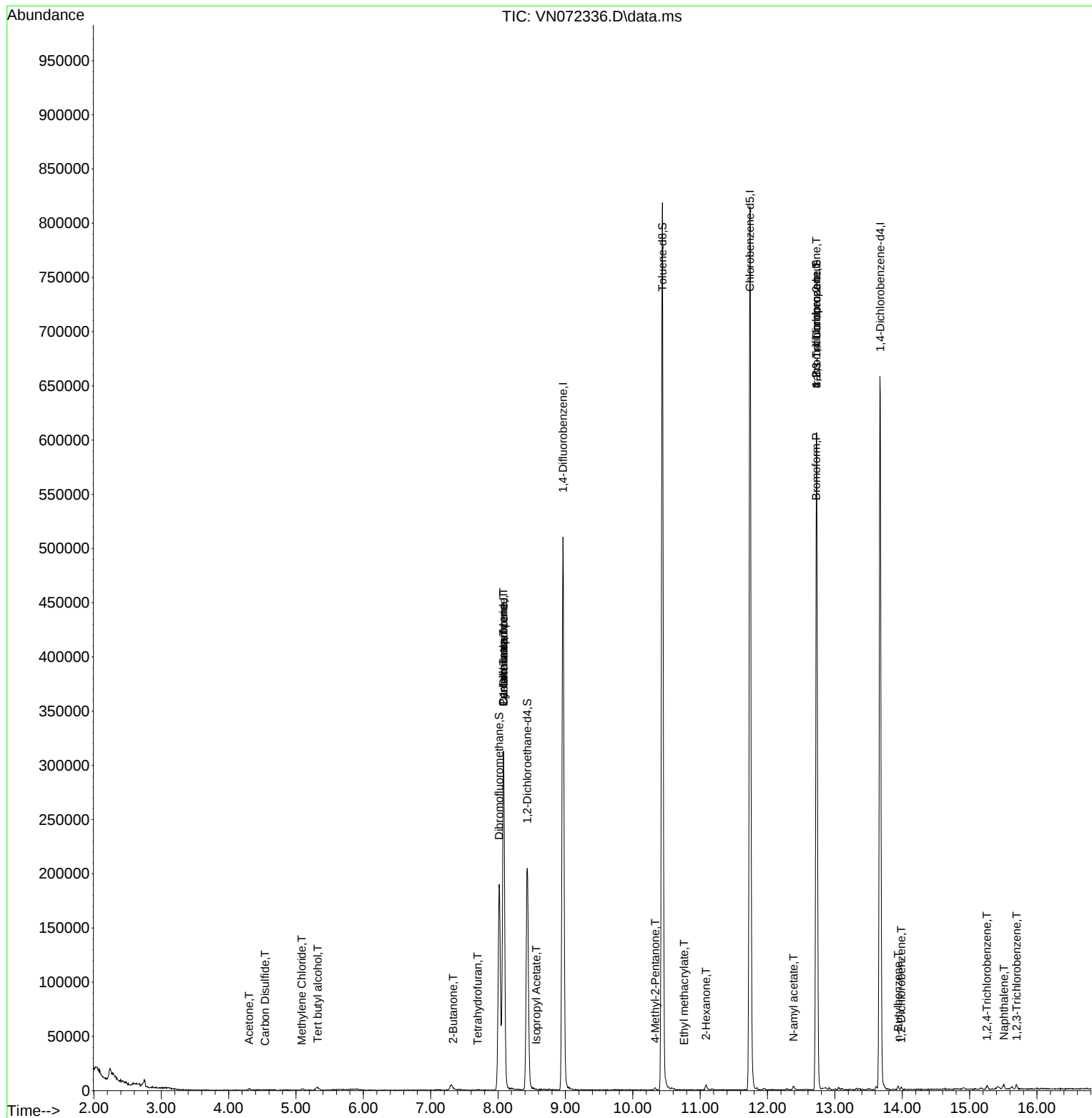
Internal Standards						
1) Pentafluorobenzene	8.081	168	221592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	430574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	459643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	174893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	182676	53.698	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.400%			
35) Dibromofluoromethane	8.016	113	138996	50.436	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.880%			
50) Toluene-d8	10.439	98	553615	51.123	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.727	95	207929	57.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	954	Below Cal	#	43
5) Bromomethane	2.857	94	95	Below Cal		98
6) Chloroethane	2.963	64	186	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	1870	3.345	ug/l #	72
16) Acetone	4.304	43	2107	1.437	ug/l	90
17) Carbon Disulfide	4.540	76	310	0.425	ug/l #	75
20) Methylene Chloride	5.087	84	862	0.307	ug/l #	59
25) 2-Butanone	7.334	43	535	0.229	ug/l #	45
29) Tetrahydrofuran	7.698	42	541	0.353	ug/l #	29
31) Cyclohexane	8.081	56	5201	1.144	ug/l #	22
36) 1,1-Dichloropropene	8.081	75	19220	4.791	ug/l #	49
38) Carbon Tetrachloride	8.081	117	23633	5.501	ug/l #	15
43) Isopropyl Acetate	8.569	43	54	0.807	ug/l #	53
51) 4-Methyl-2-Pentanone	10.333	43	1957	0.389	ug/l #	78
56) Ethyl methacrylate	10.763	69	59	2.376	ug/l #	1
59) 2-Hexanone	11.086	43	4635	1.309	ug/l	74
71) Bromoform	12.722	173	1363	0.524	ug/l #	28
74) N-amyl acetate	12.386	43	2202	0.381	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.827	83	193	Below Cal	#	77
76) 1,2,3-Trichloropropane	12.727	75	113464	28.887	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	113464	75.014	ug/l #	10
89) n-Butylbenzene	13.939	91	2001	0.228	ug/l	83
91) 1,2-Dichlorobenzene	13.986	146	1175	0.202	ug/l	82
93) 1,2,4-Trichlorobenzene	15.257	180	1317	2.885	ug/l #	86
95) Naphthalene	15.510	128	5309	4.835	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.698	180	1648	3.254	ug/l	96

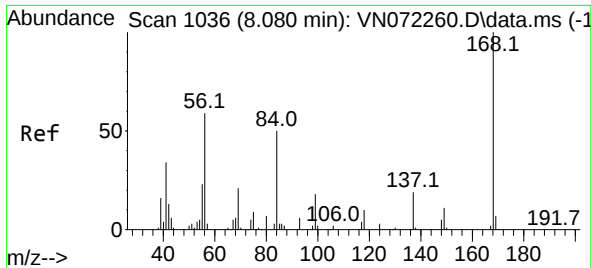
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration

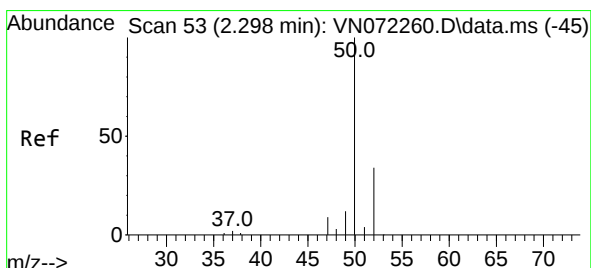
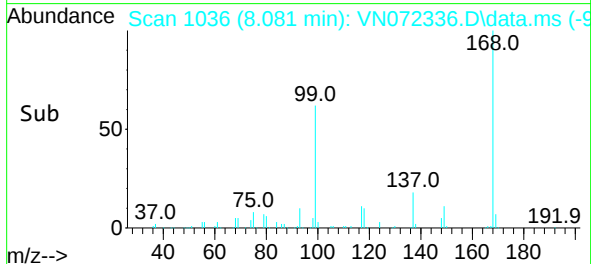
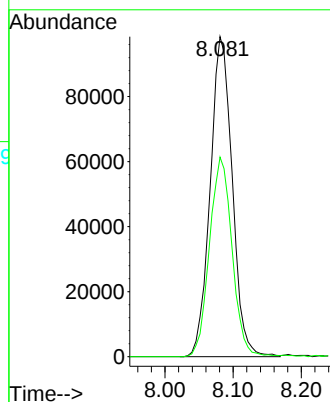
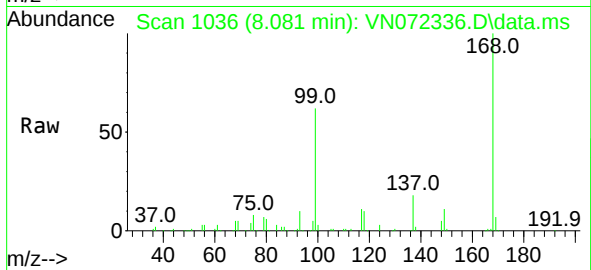




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

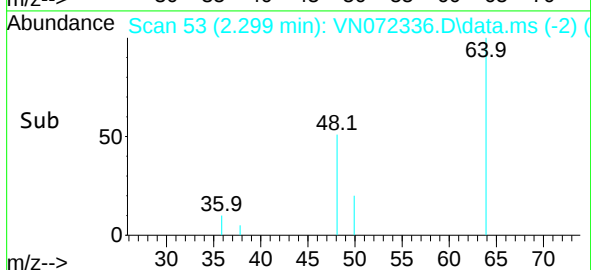
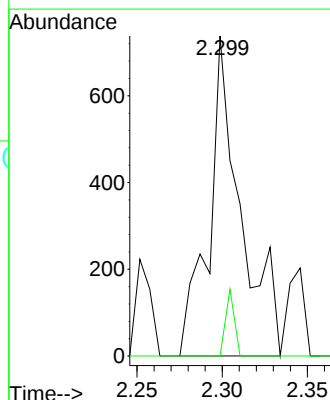
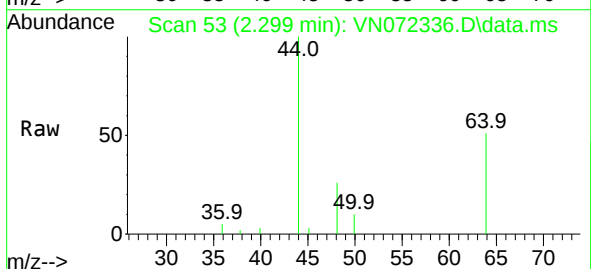
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

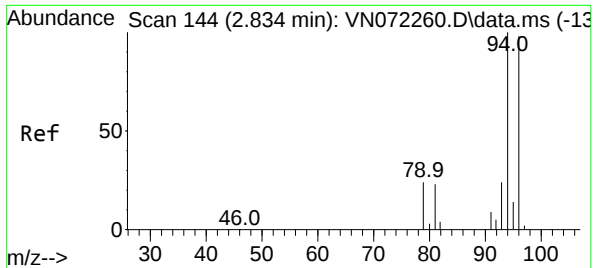
Tgt Ion:168 Resp: 221592
Ion Ratio Lower Upper
168 100
99 62.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 50 Resp: 954
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

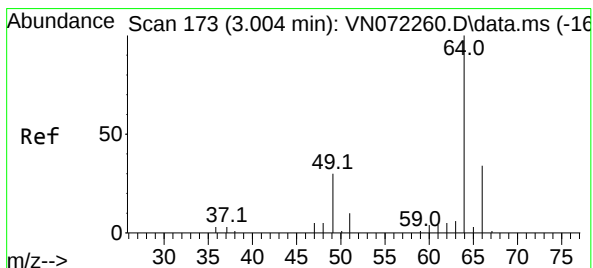
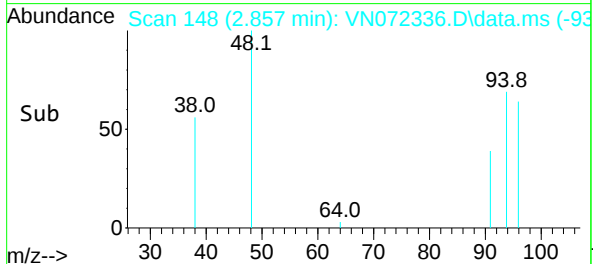
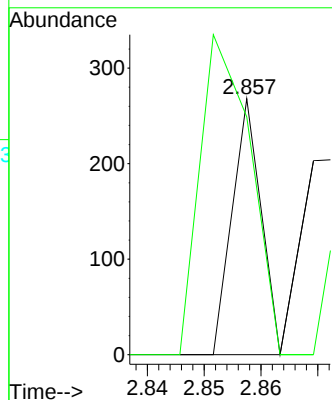
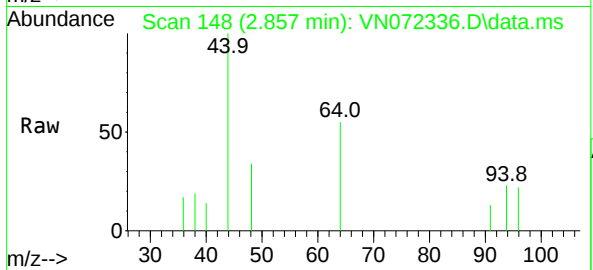




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 144
Delta R.T. 0.023 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

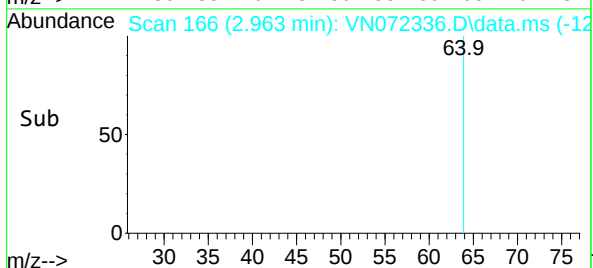
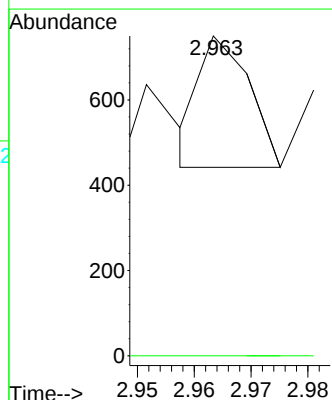
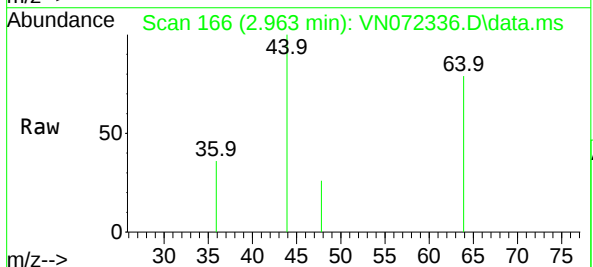
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

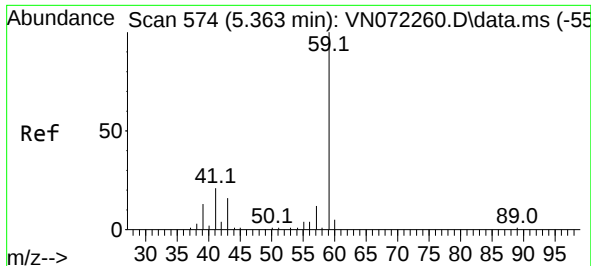
Tgt Ion: 94 Resp: 95
Ion Ratio Lower Upper
94 100
96 92.9 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 166
Delta R.T. -0.042 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

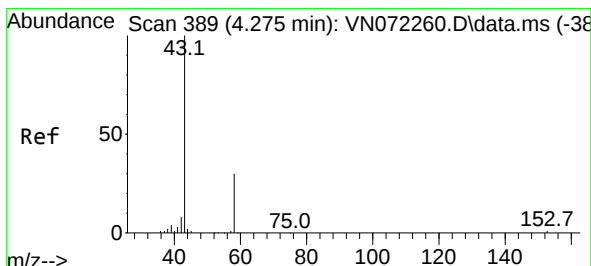
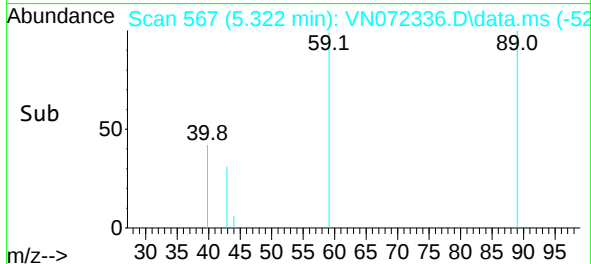
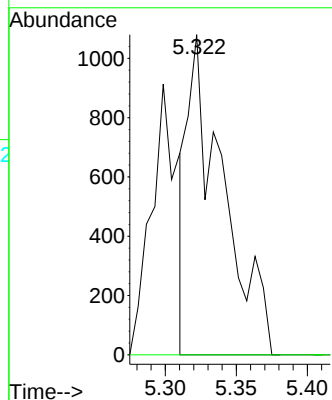
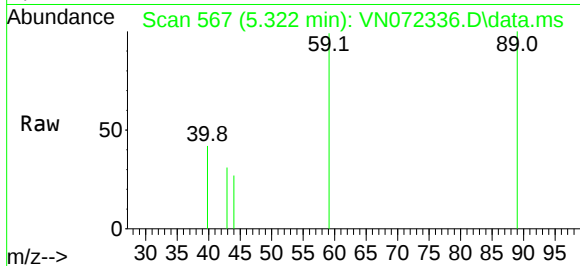




#11
Tert butyl alcohol
Concen: 3.345 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

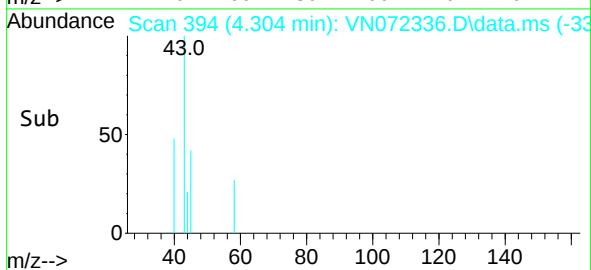
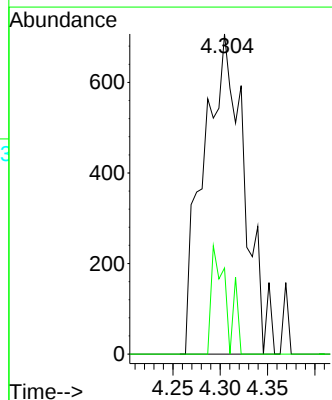
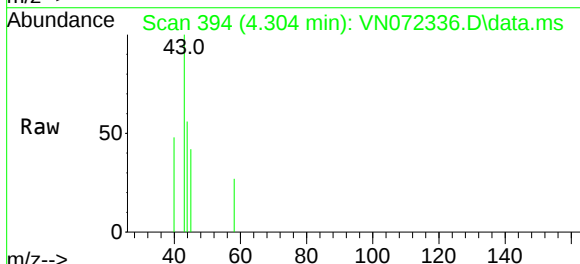
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

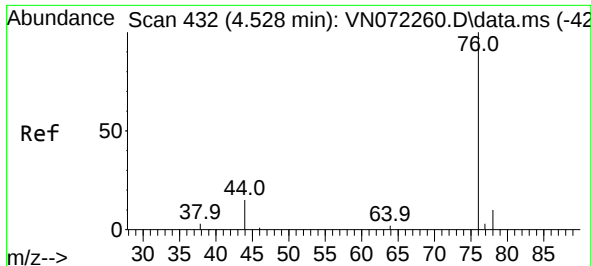
Tgt Ion: 59 Resp: 1870
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.437 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
58 26.9 26.0 39.0





#17

Carbon Disulfide

Concen: 0.425 ug/l

RT: 4.540 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

Instrument :

MSVOA_N

ClientSampleId :

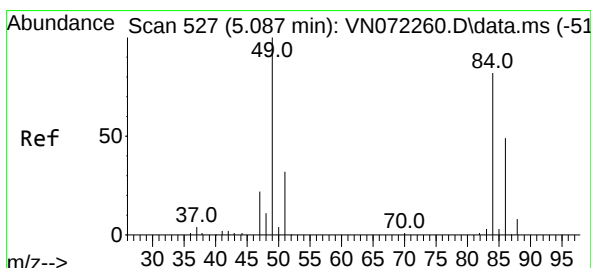
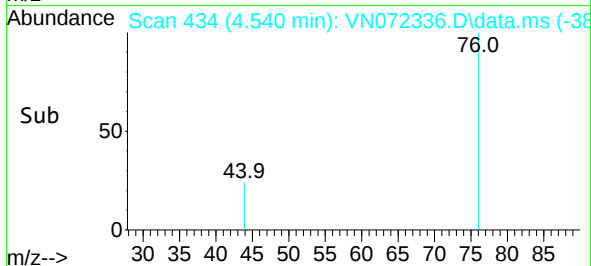
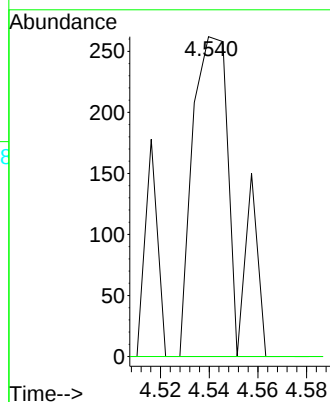
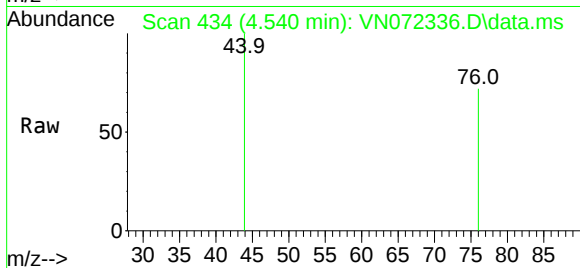
VN0505MBL01

Tgt Ion: 76 Resp: 310

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.307 ug/l

RT: 5.087 min Scan# 527

Delta R.T. -0.000 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

Tgt Ion: 84 Resp: 862

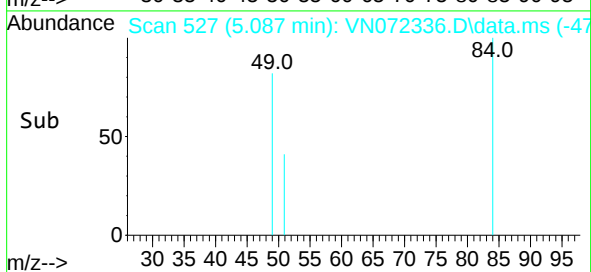
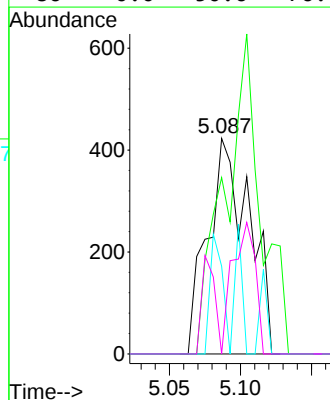
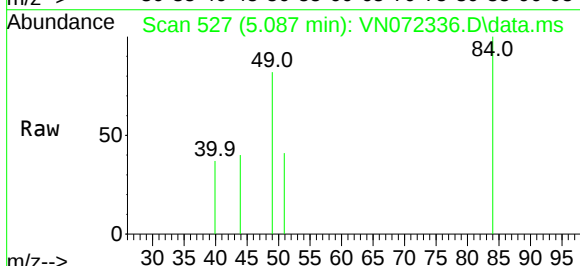
Ion Ratio Lower Upper

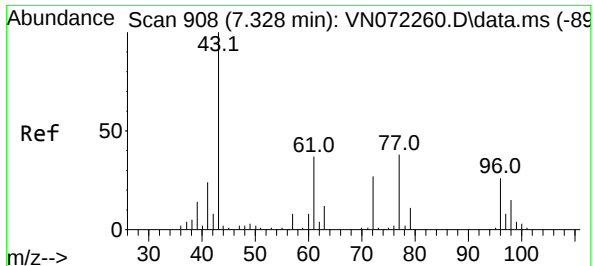
84 100

49 81.8 88.3 132.5#

51 40.7 28.2 42.2

86 0.0 50.6 76.0#





#25

2-Butanone

Concen: 0.229 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

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ClientSampleId :

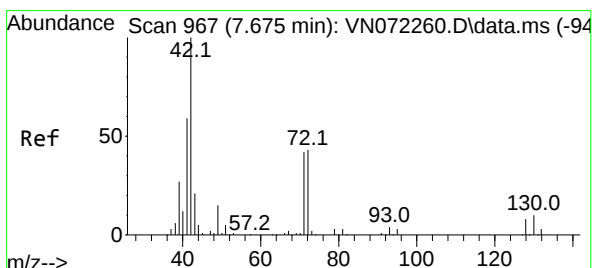
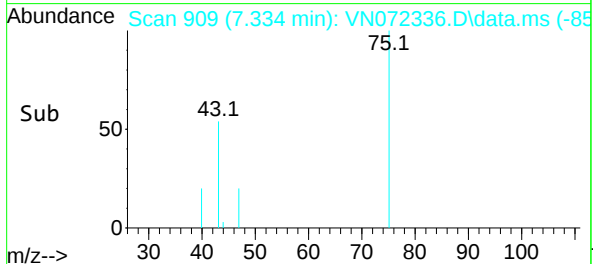
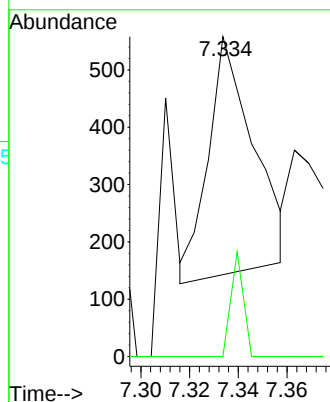
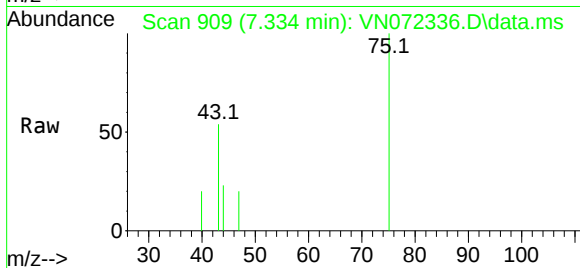
VN0505MBL01

Tgt Ion: 43 Resp: 535

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.017 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

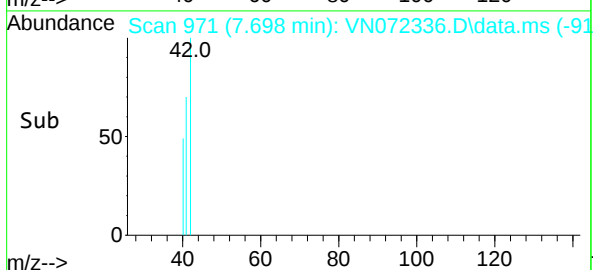
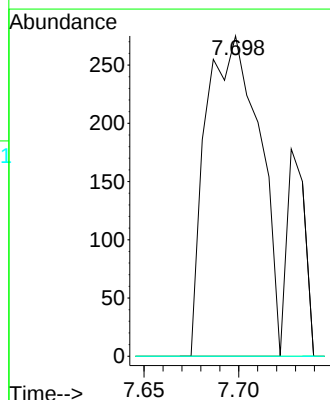
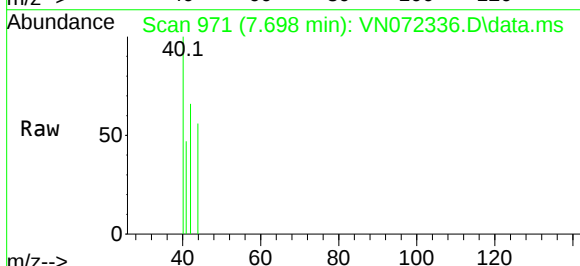
Tgt Ion: 42 Resp: 541

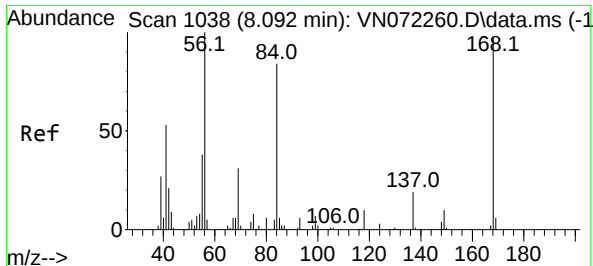
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#

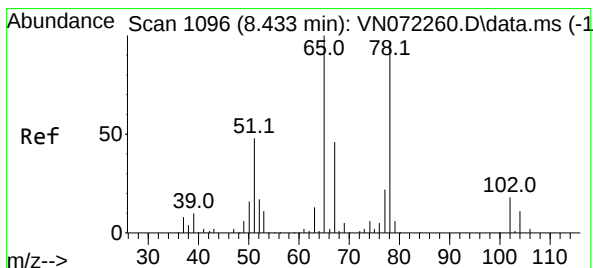
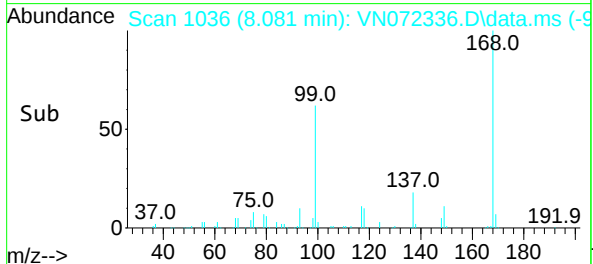
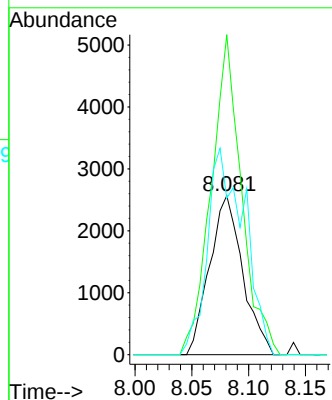
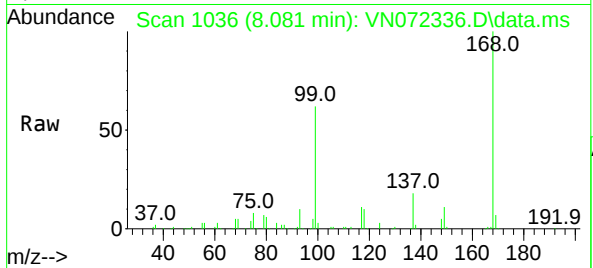




#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

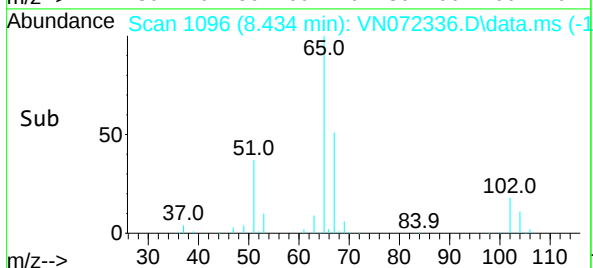
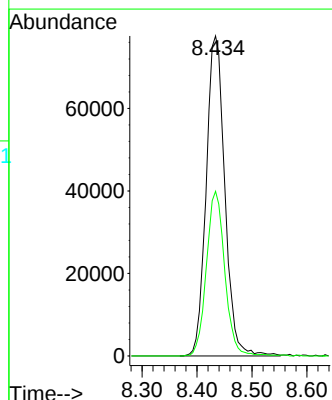
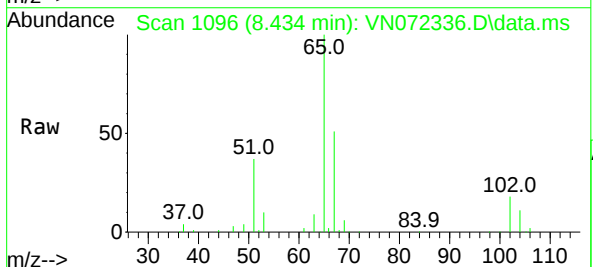
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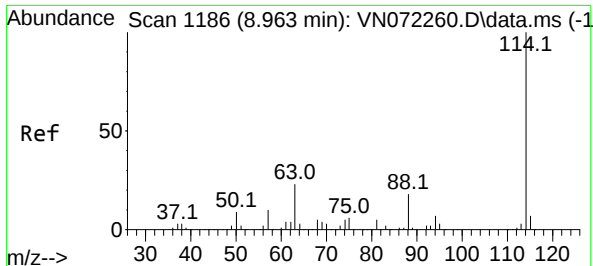
Tgt Ion: 56 Resp: 5201
Ion Ratio Lower Upper
56 100
69 201.2 27.8 41.8#
84 98.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 53.698 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 65 Resp: 182676
Ion Ratio Lower Upper
65 100
67 50.4 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: VN072336.D

Acq: 05 May 2022 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0505MBL01

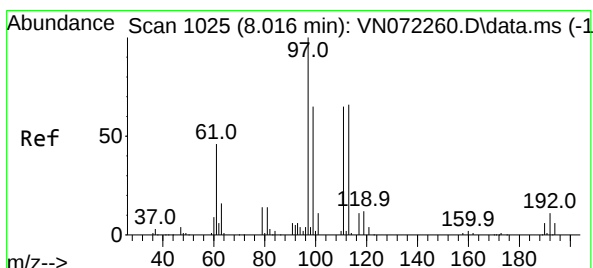
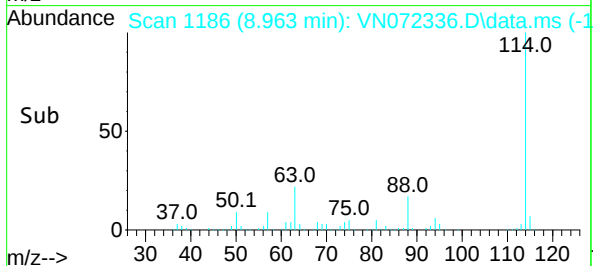
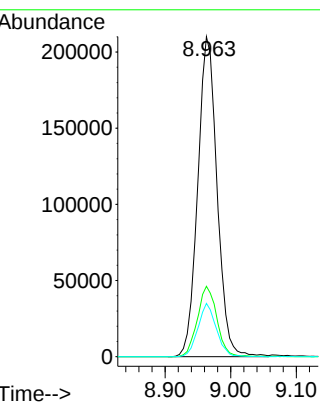
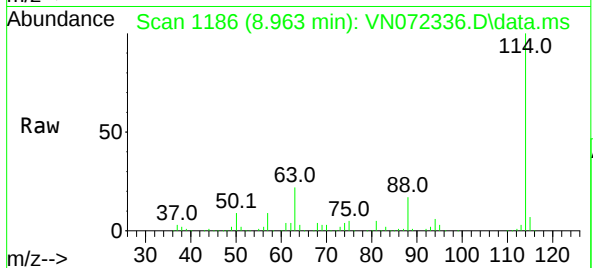
Tgt Ion:114 Resp: 430574

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.436 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

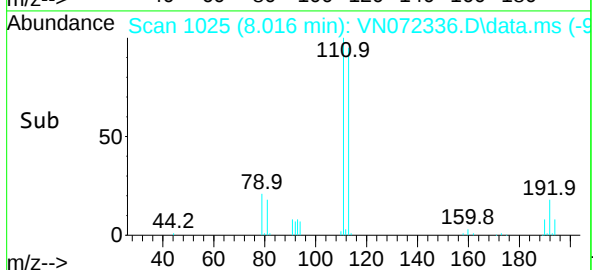
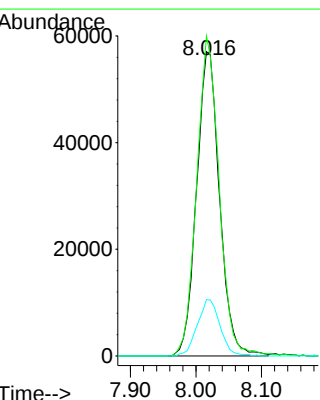
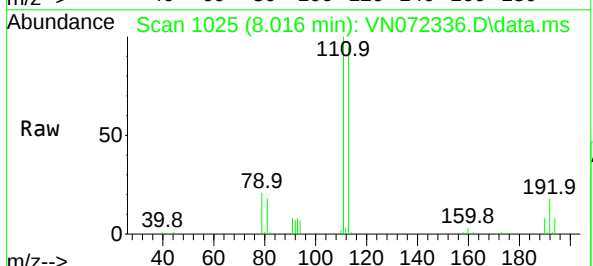
Tgt Ion:113 Resp: 138996

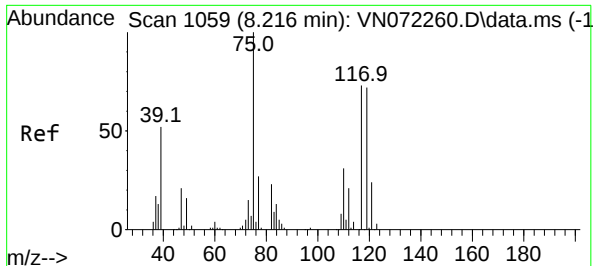
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 18.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.791 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0505MBL01

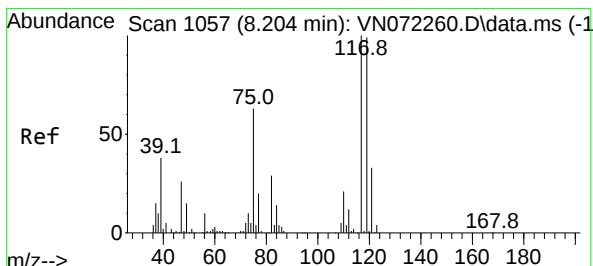
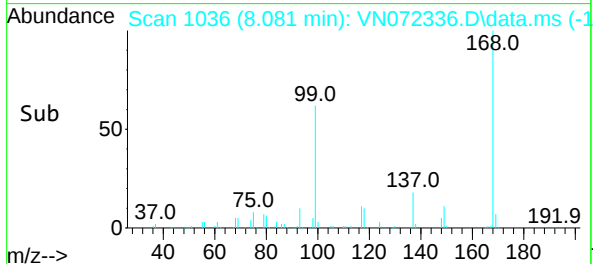
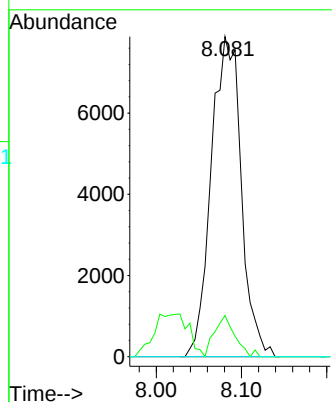
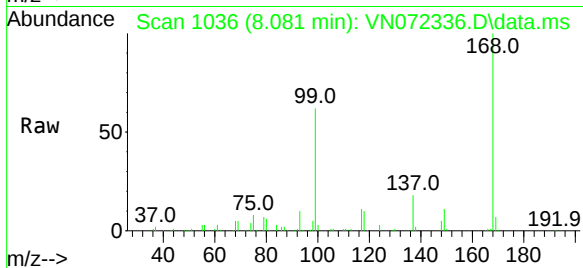
Tgt Ion: 75 Resp: 19220

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

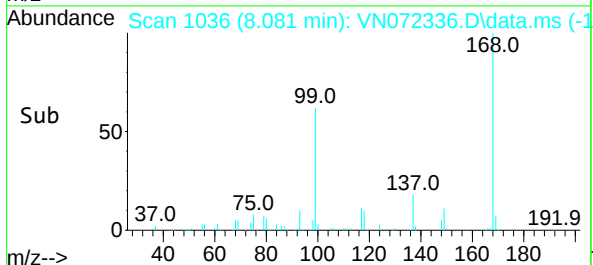
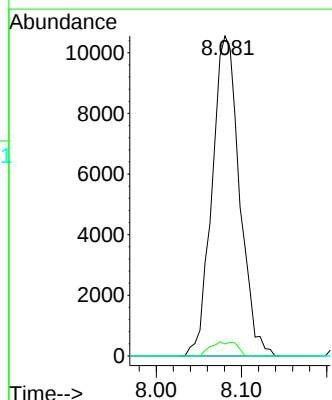
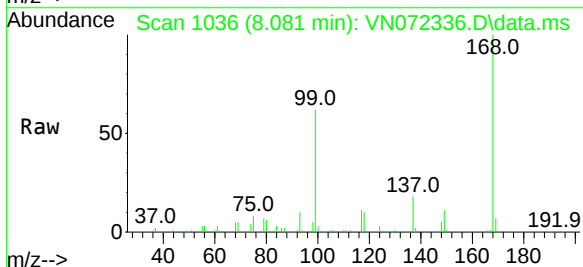
Tgt Ion: 117 Resp: 23633

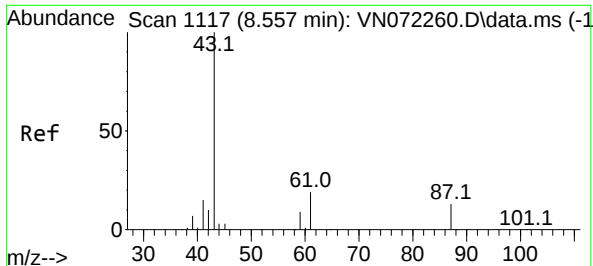
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

121 0.0 24.6 37.0#

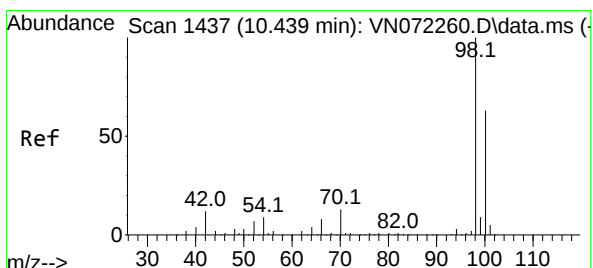
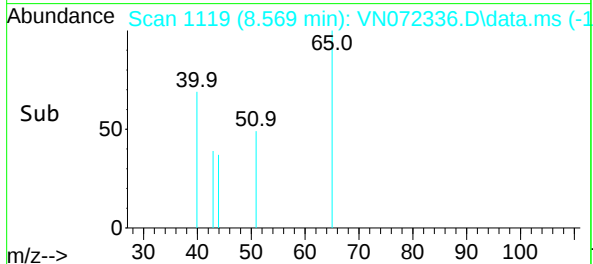
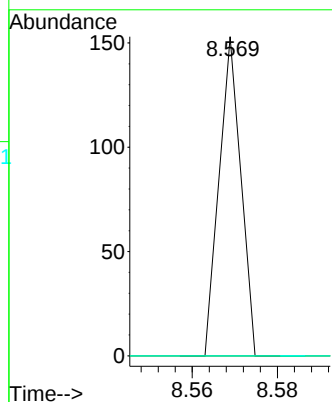
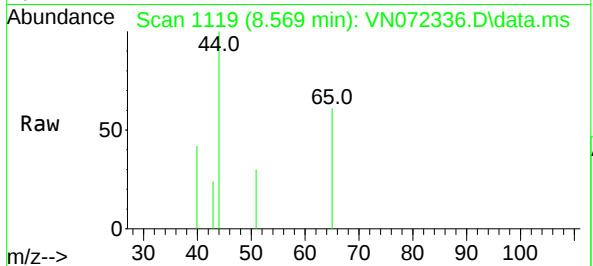




#43
Isopropyl Acetate
Concen: 0.807 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

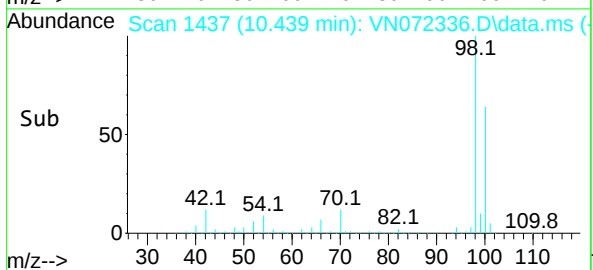
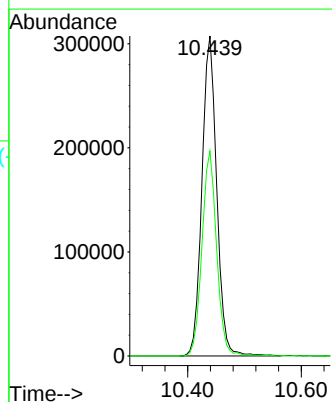
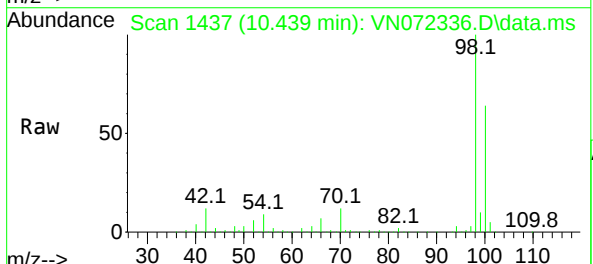
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

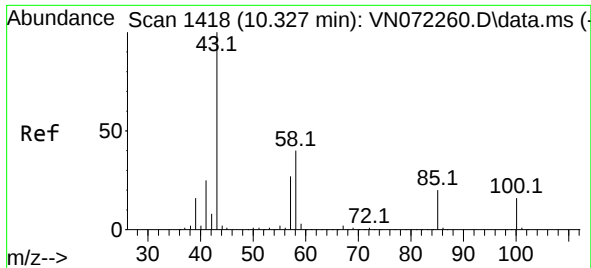
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.123 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 98 Resp: 553615
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

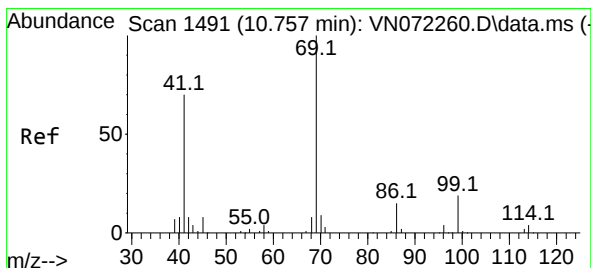
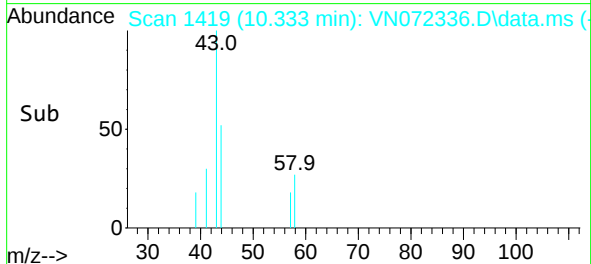
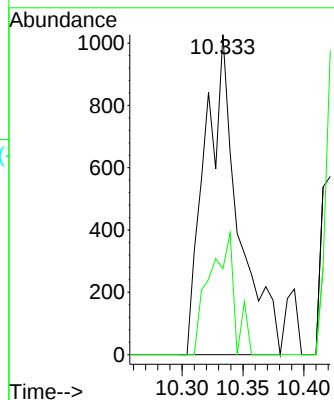
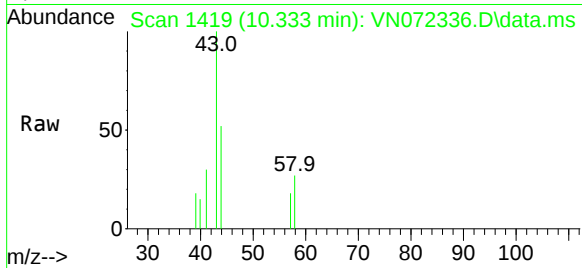




#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.005 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

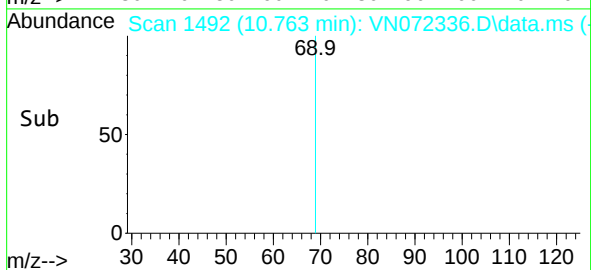
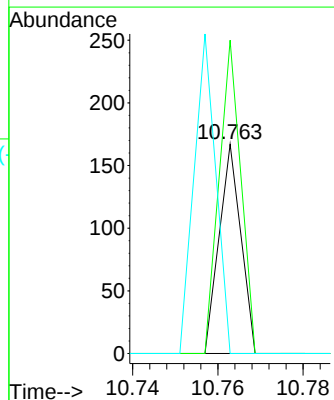
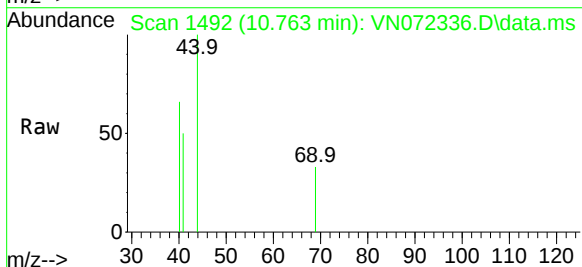
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

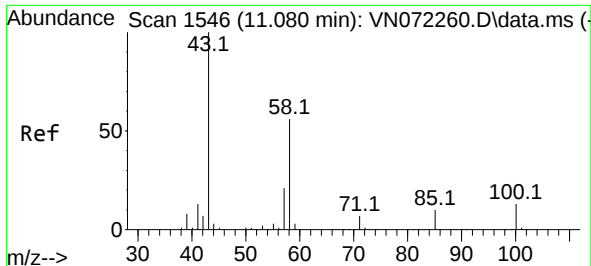
Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
58 28.7 34.1 51.1#



#56
Ethyl methacrylate
Concen: 2.376 ug/l
RT: 10.763 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 149.2 47.8 71.6#
39 152.5 27.3 40.9#





#59

2-Hexanone

Concen: 1.309 ug/l

RT: 11.086 min Scan# 1546

Delta R.T. 0.005 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

Instrument :

MSVOA_N

ClientSampleId :

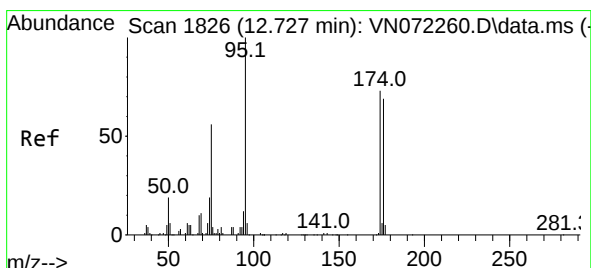
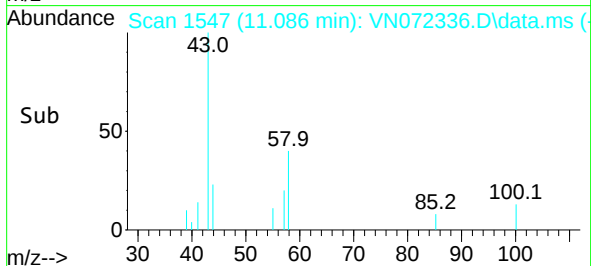
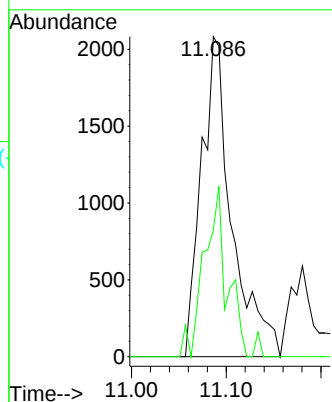
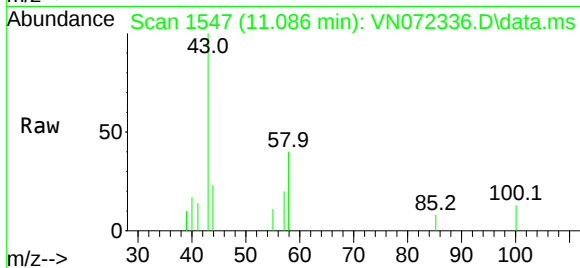
VN0505MBL01

Tgt Ion: 43 Resp: 4635

Ion Ratio Lower Upper

43 100

58 39.9 29.7 89.1



#62

4-Bromofluorobenzene

Concen: 57.848 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

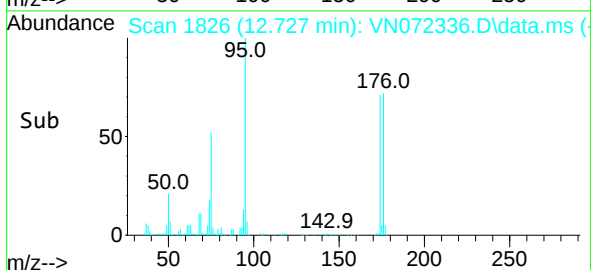
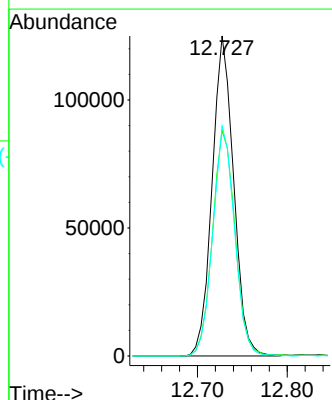
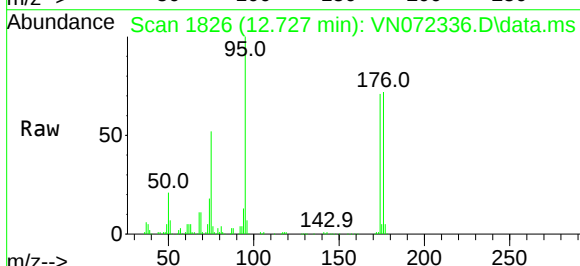
Tgt Ion: 95 Resp: 207929

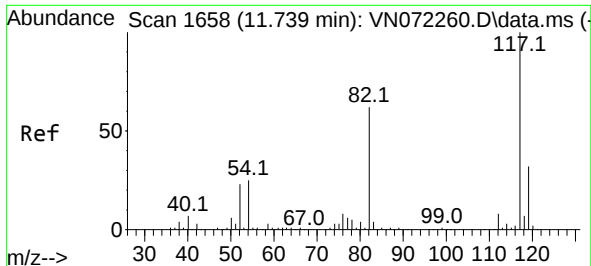
Ion Ratio Lower Upper

95 100

174 74.0 0.0 167.6

176 72.7 0.0 163.4

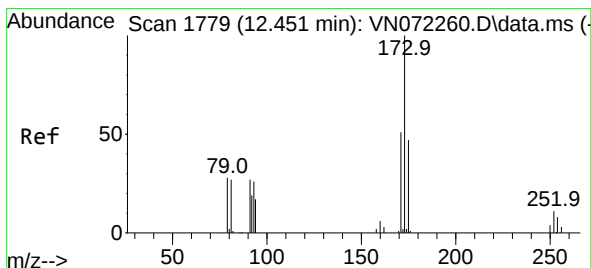
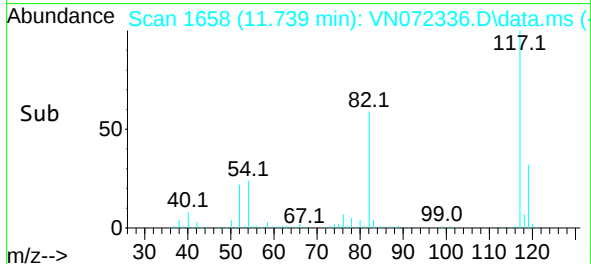
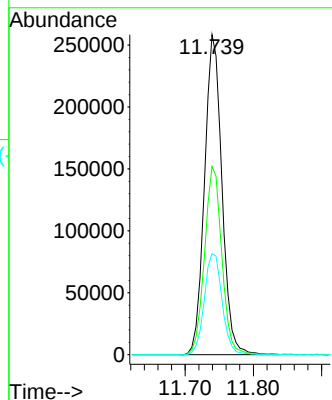
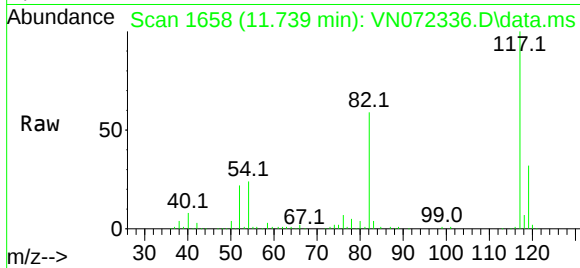




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

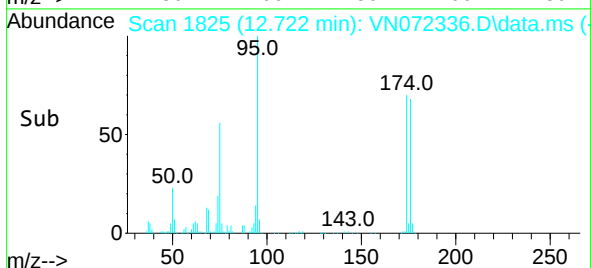
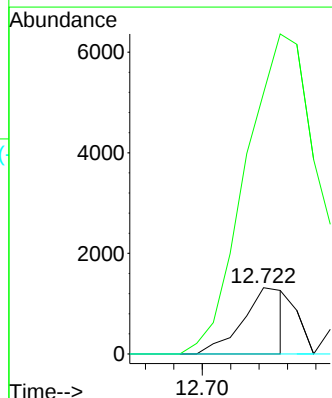
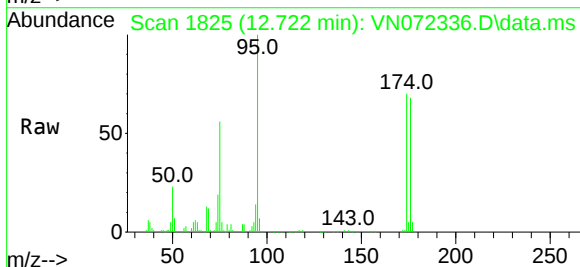
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

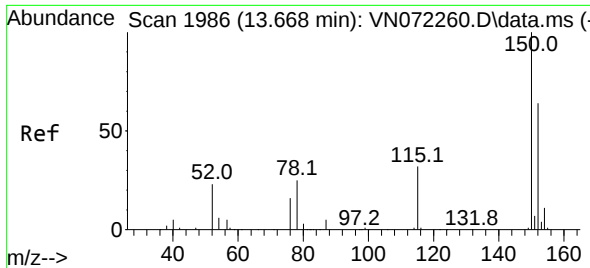
Tgt Ion:117 Resp: 459643
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.524 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion:173 Resp: 1363
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

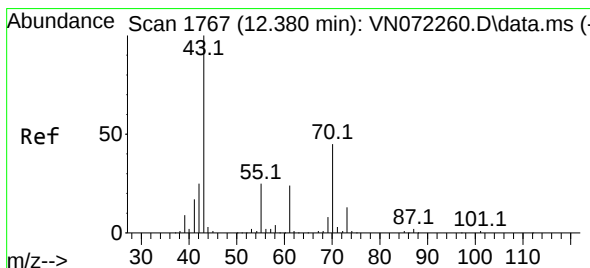
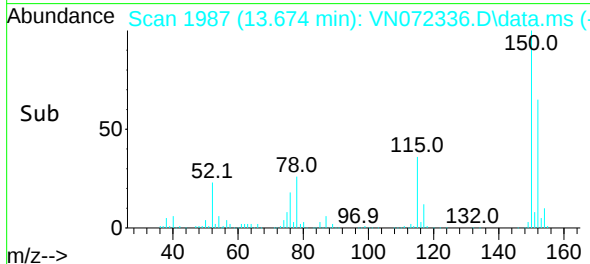
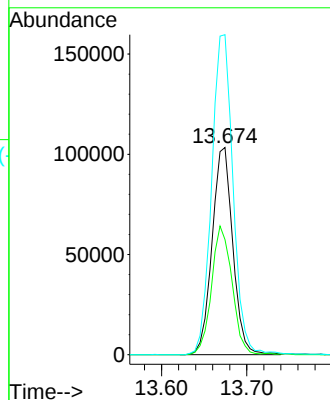
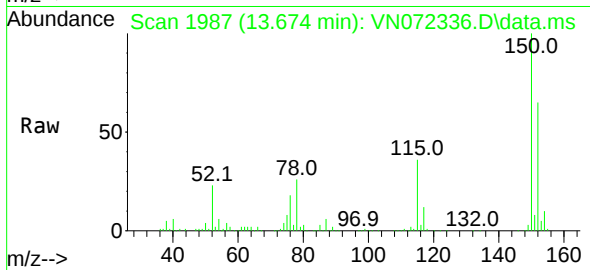




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

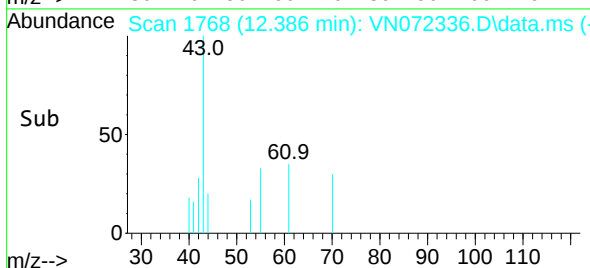
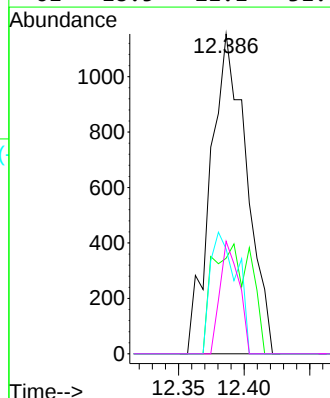
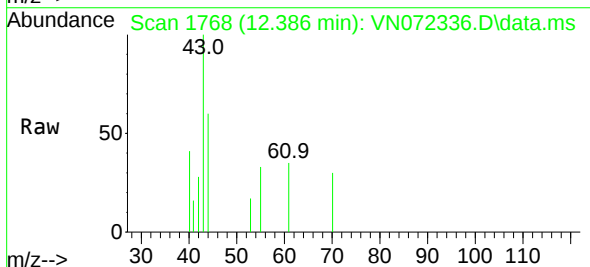
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

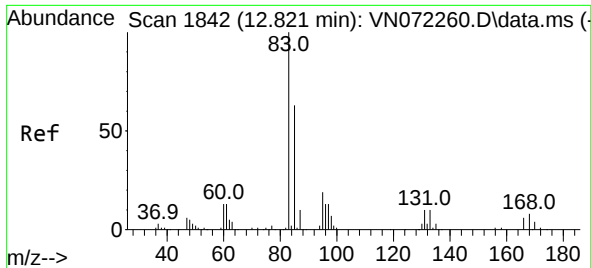
Tgt Ion:152 Resp: 174893
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 159.8 0.0 356.2



#74
N-ethyl acetate
Concen: 0.381 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
70 36.4 39.0 58.4#
55 28.2 21.1 31.7
61 18.5 21.1 31.7#

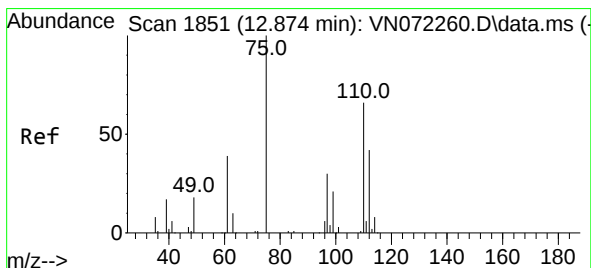
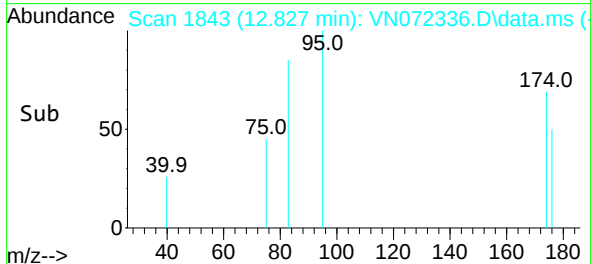
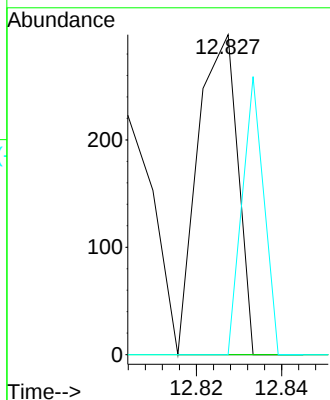
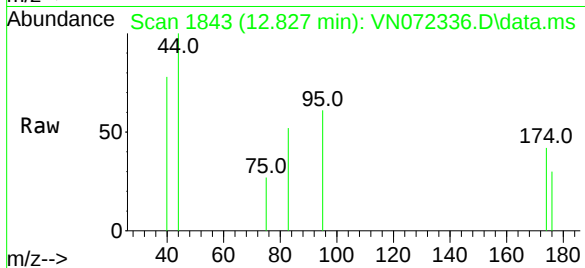




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.005 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

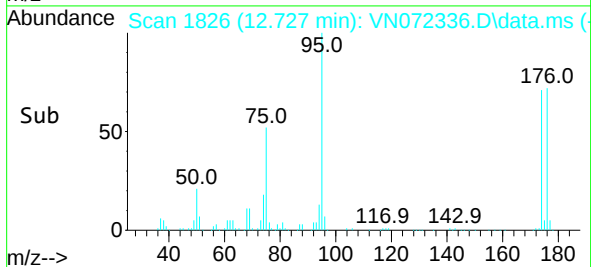
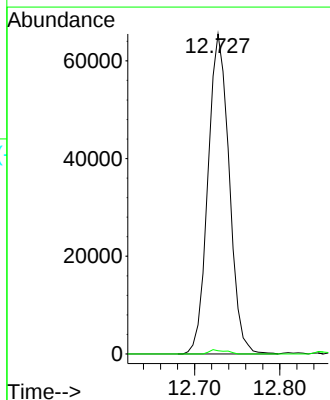
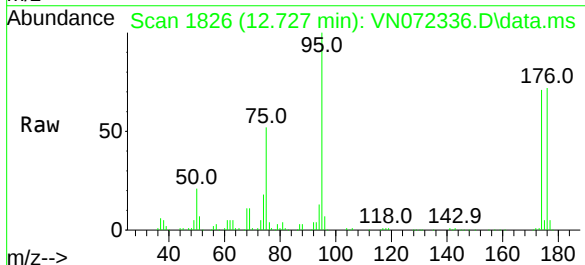
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

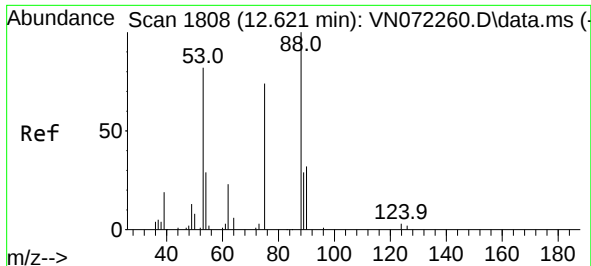
Tgt Ion: 83 Resp: 193
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 47.2 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 28.887 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 75 Resp: 113464
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

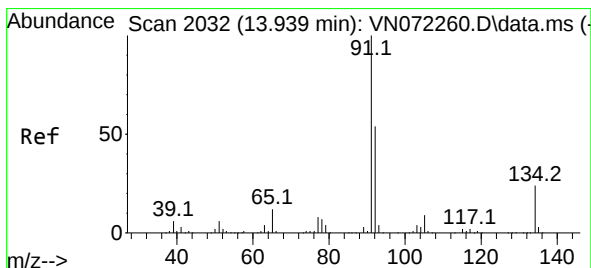
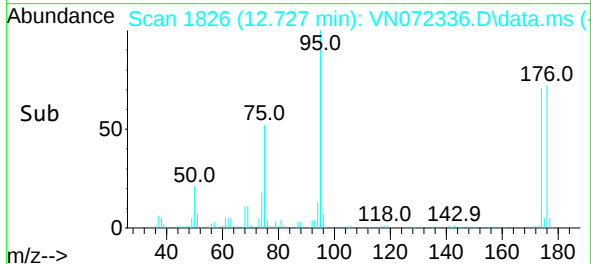
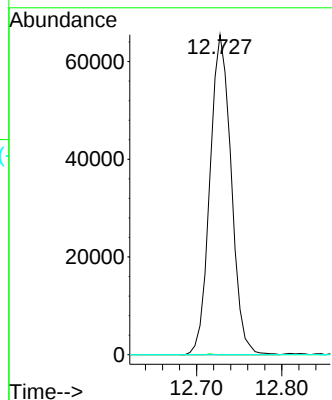
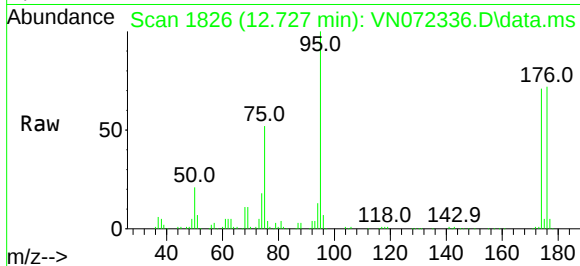




#81
trans-1,4-Dichloro-2-butene
Concen: 75.014 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

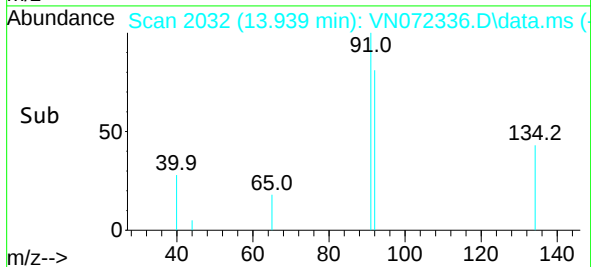
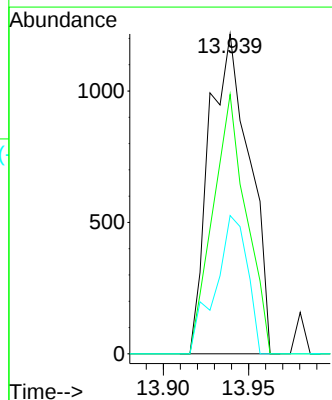
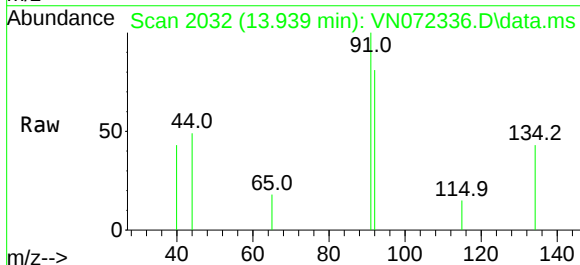
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

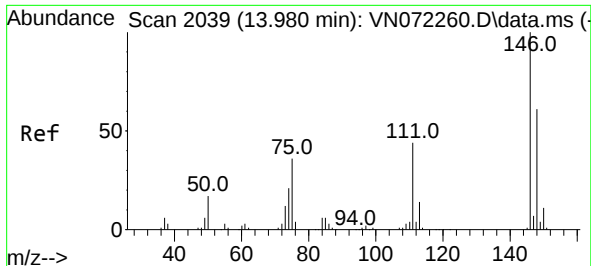
Tgt Ion: 75 Resp: 113464
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion: 91 Resp: 2001
Ion Ratio Lower Upper
91 100
92 67.0 26.9 80.7
134 34.4 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.986 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0505MBL01

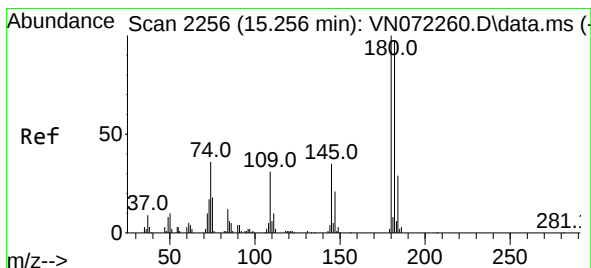
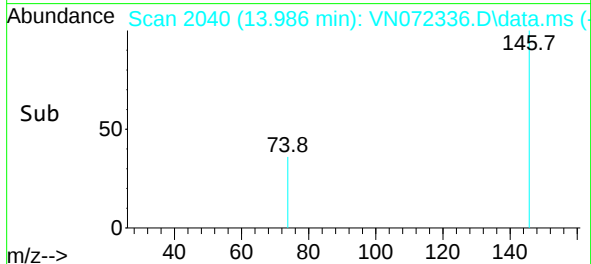
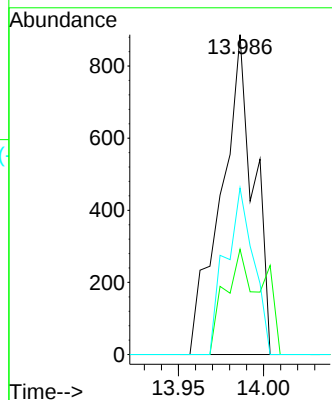
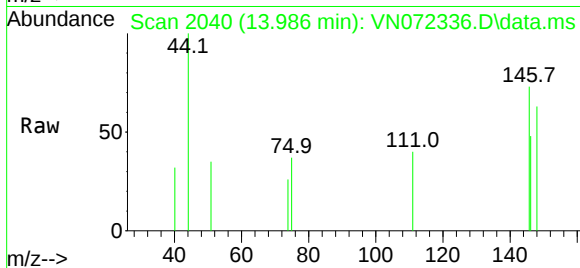
Tgt Ion:146 Resp: 1175

Ion Ratio Lower Upper

146 100

111 37.4 20.9 62.8

148 45.0 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 2.885 ug/l

RT: 15.257 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VN072336.D

Acq: 05 May 2022 11:09

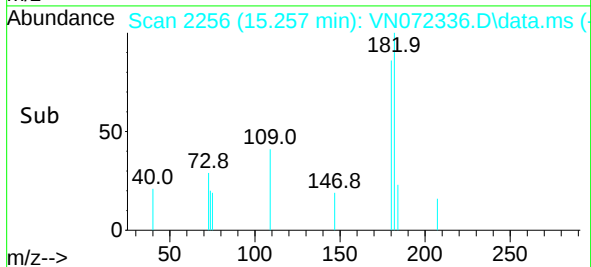
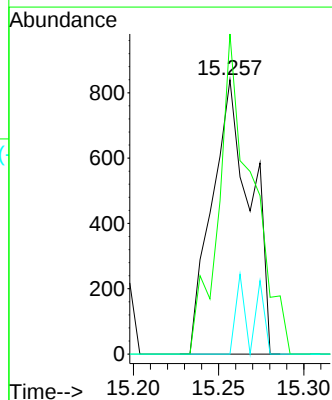
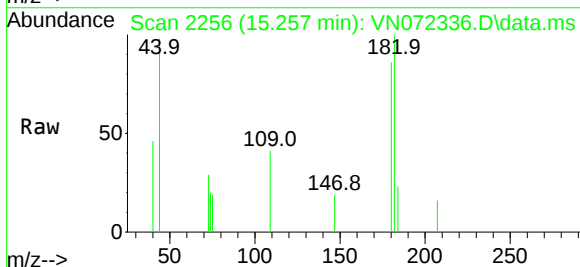
Tgt Ion:180 Resp: 1317

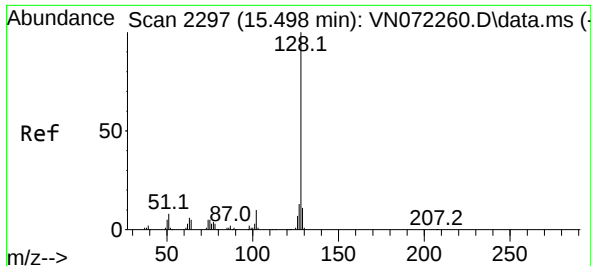
Ion Ratio Lower Upper

180 100

182 103.0 47.5 142.5

145 12.6 14.5 43.5#

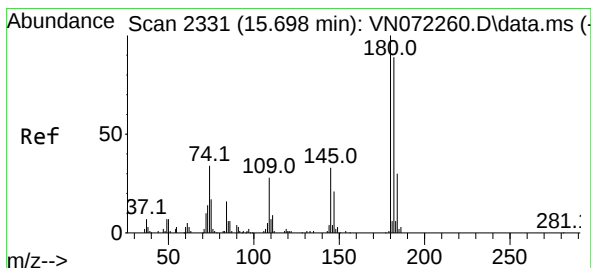
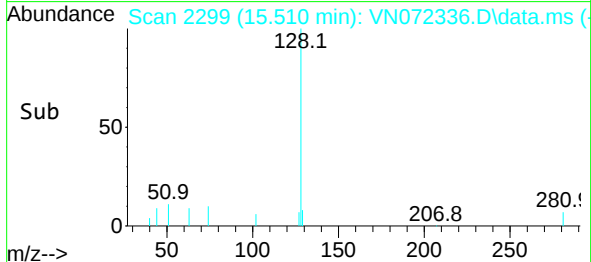
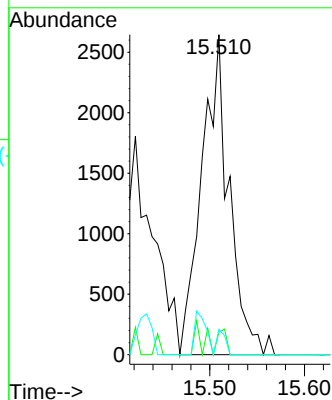
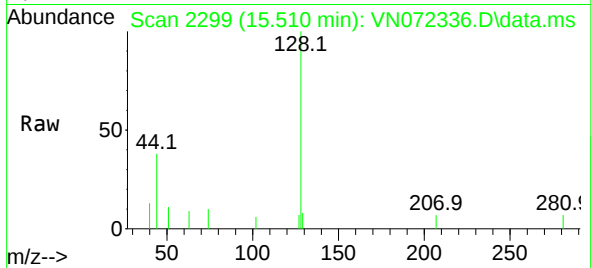




#95
Naphthalene
Concen: 4.835 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:128 Resp: 5309
Ion Ratio Lower Upper
128 100
127 2.6 10.3 15.5#
129 2.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.254 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN072336.D
Acq: 05 May 2022 11:09

Tgt Ion:180 Resp: 1648
Ion Ratio Lower Upper
180 100
182 100.1 47.8 143.3
145 29.7 15.5 46.5

