

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041222\
 Data File : VN071956.D
 Acq On : 12 Apr 2022 14:57
 Operator : JC\MD
 Sample : VN0412WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBL01

Quant Time: Apr 13 04:44:51 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)

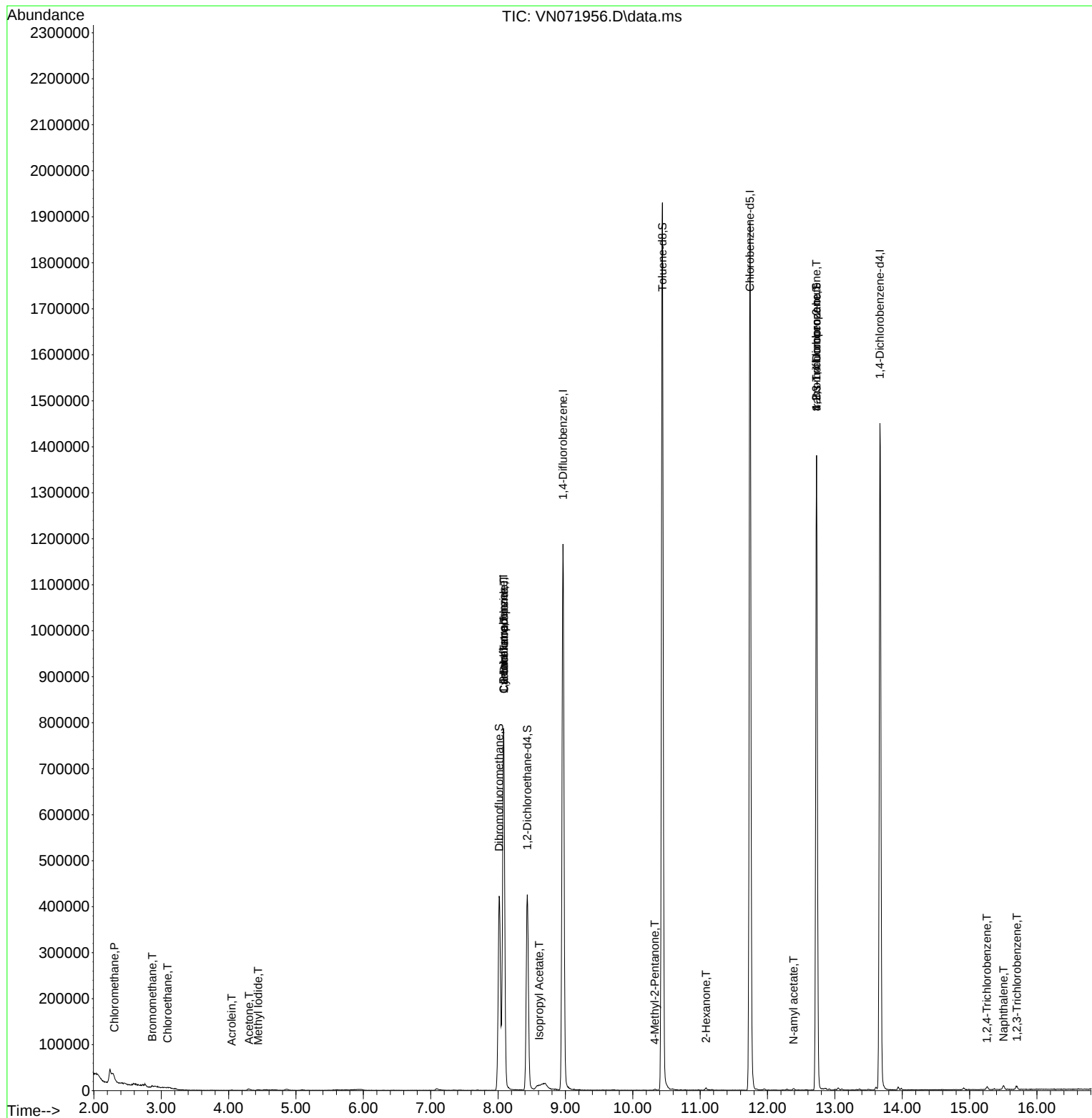
Internal Standards						
1) Pentafluorobenzene	8.081	168	666219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1129789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1190286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	446442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	358856	47.183	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.360%		
35) Dibromofluoromethane	8.016	113	318923	47.972	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.940%		
50) Toluene-d8	10.439	98	1417655	52.127	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.260%		
62) 4-Bromofluorobenzene	12.727	95	498543	56.681	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.360%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2563	0.382	ug/l	90
5) Bromomethane	2.869	94	3194	0.667	ug/l #	80
6) Chloroethane	3.093	64	5106	0.963	ug/l #	42
10) Methyl Iodide	4.440	142	2476	0.307	ug/l #	72
13) Acrolein	4.046	56	679	0.451	ug/l #	60
16) Acetone	4.304	43	2756	0.848	ug/l #	60
18) Methyl Acetate	4.863	43	5558	Below Cal	#	71
31) Cyclohexane	8.086	56	10692	1.034	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	44145	4.755	ug/l #	49
38) Carbon Tetrachloride	8.086	117	58742	6.456	ug/l #	16
43) Isopropyl Acetate	8.610	43	12859	0.761	ug/l #	53
49) 1,4-Dioxane	9.563	88	54	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	2287	0.235	ug/l	92
59) 2-Hexanone	11.086	43	4305	0.629	ug/l	93
74) N-amyl acetate	12.386	43	2256	0.209	ug/l #	87
76) 1,2,3-Trichloropropane	12.727	75	240090	23.215	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	240090	71.941	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	3107	2.505	ug/l #	87
95) Naphthalene	15.504	128	10814	4.294	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.704	180	3438	2.890	ug/l	93

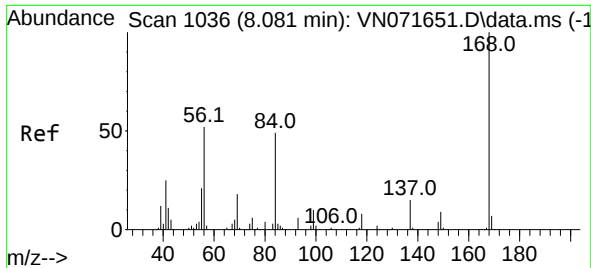
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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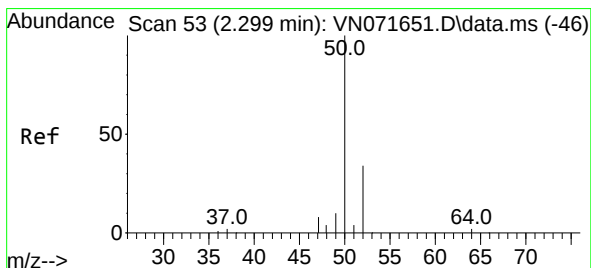
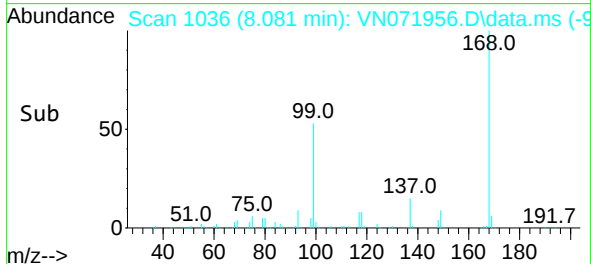
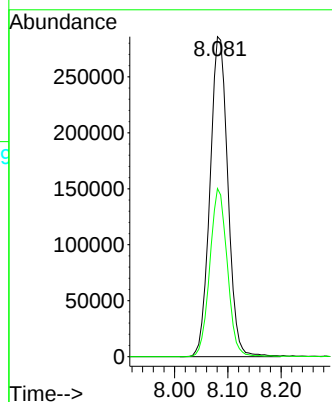
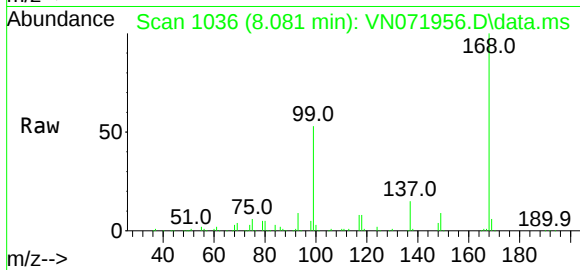




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

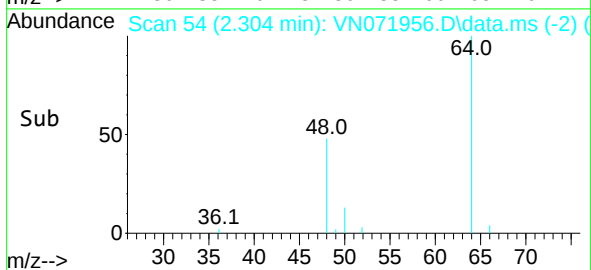
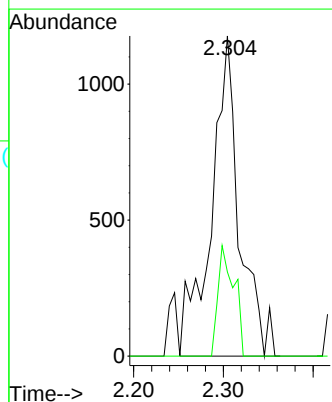
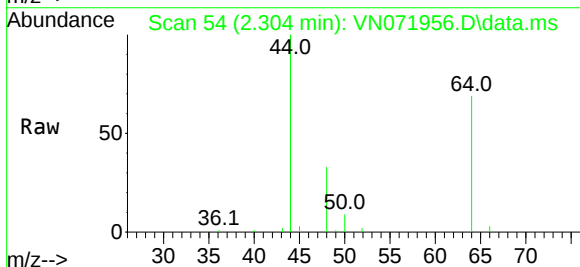
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

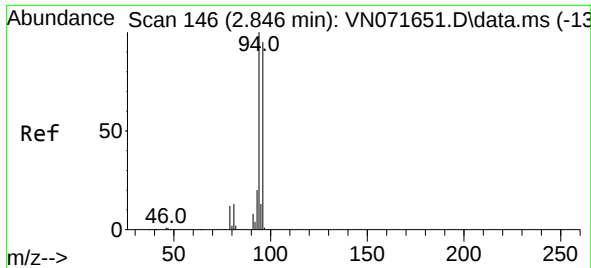
Tgt Ion:168 Resp: 666219
Ion Ratio Lower Upper
168 100
99 52.6 42.3 63.5



#3
Chloromethane
Concen: 0.382 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion: 50 Resp: 2563
Ion Ratio Lower Upper
50 100
52 26.3 25.7 38.5

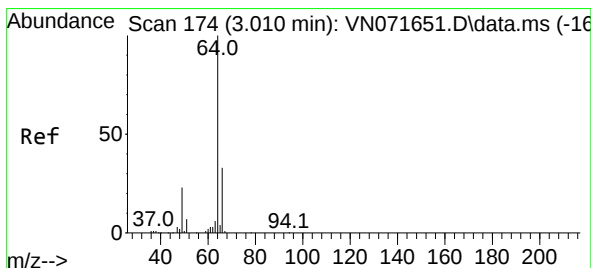
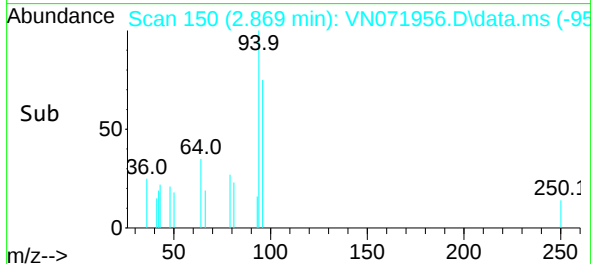
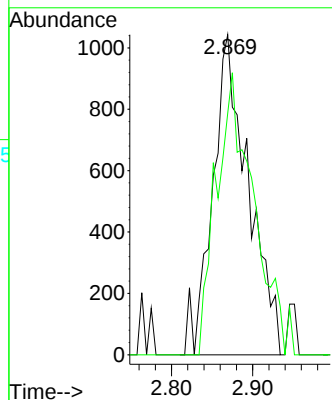
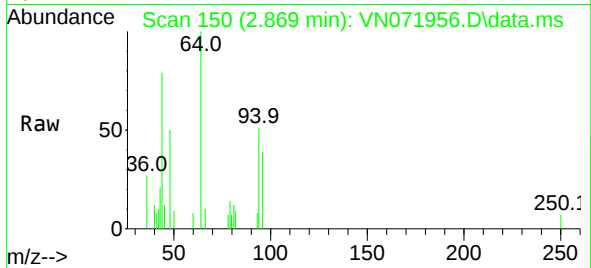




#5
Bromomethane
Concen: 0.667 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

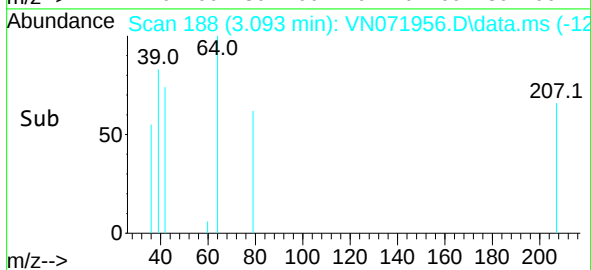
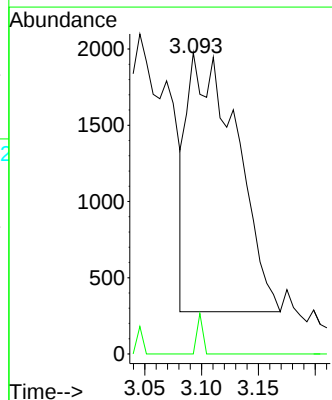
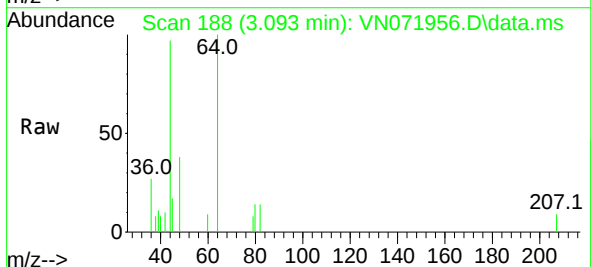
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

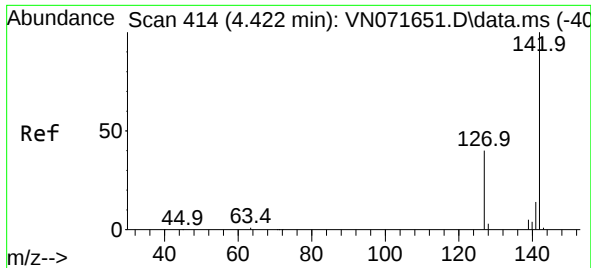
Tgt Ion: 94 Resp: 3194
Ion Ratio Lower Upper
94 100
96 75.5 76.0 114.0#



#6
Chloroethane
Concen: 0.963 ug/l
RT: 3.093 min Scan# 188
Delta R.T. 0.083 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

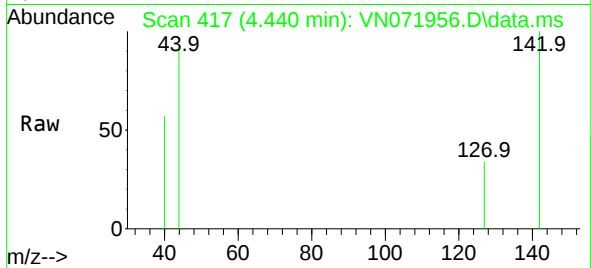
Tgt Ion: 64 Resp: 5106
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



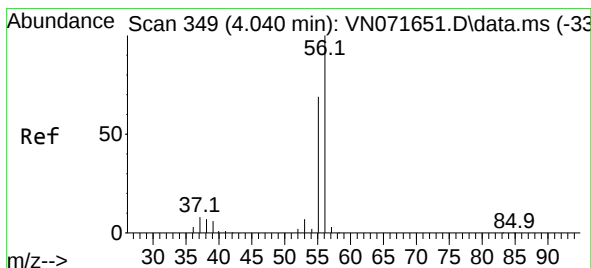
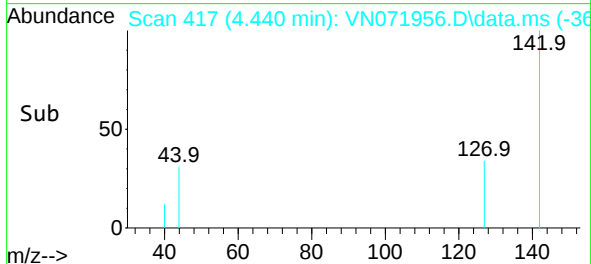
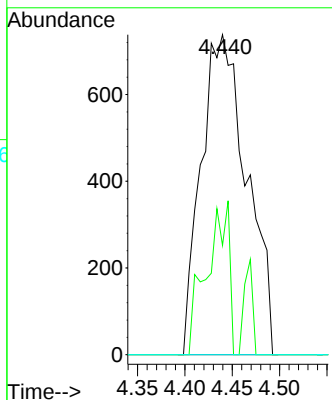


#10
Methyl Iodide
Concen: 0.307 ug/l
RT: 4.440 min Scan# 414
Delta R.T. 0.018 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

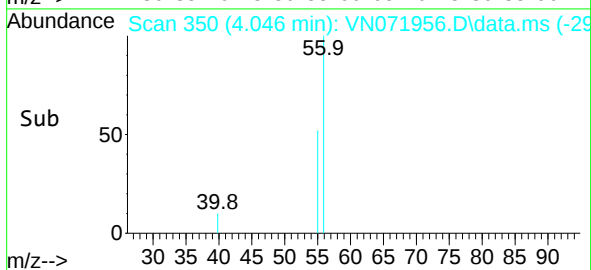
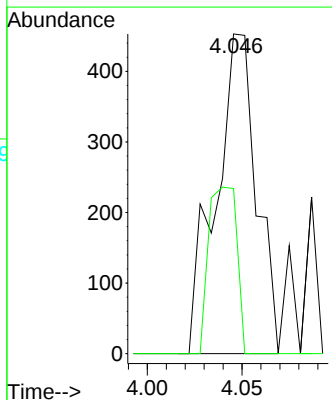
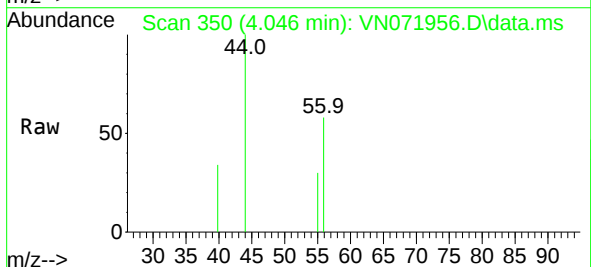


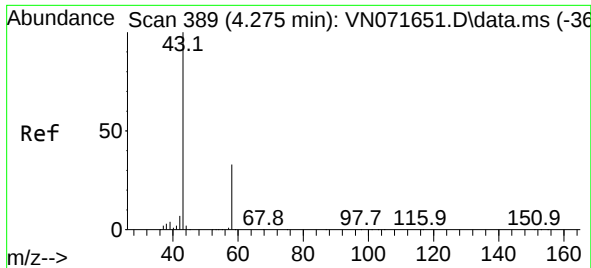
Tgt Ion:142 Resp: 2476
Ion Ratio Lower Upper
142 100
127 23.6 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.451 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion: 56 Resp: 679
Ion Ratio Lower Upper
56 100
55 35.9 54.8 82.2#

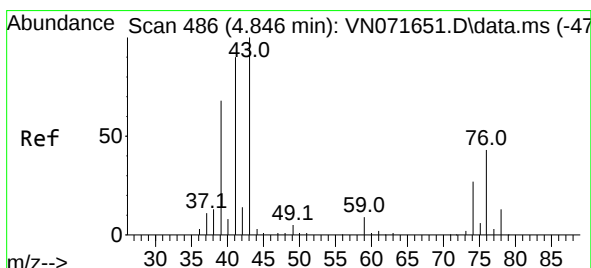
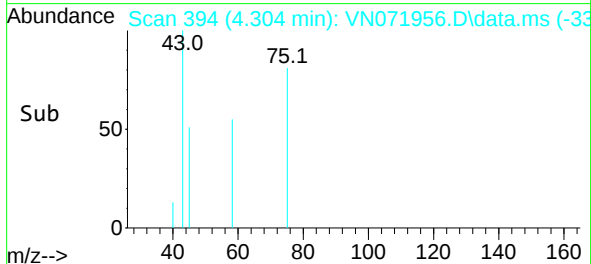
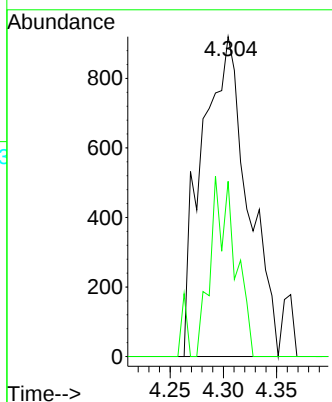
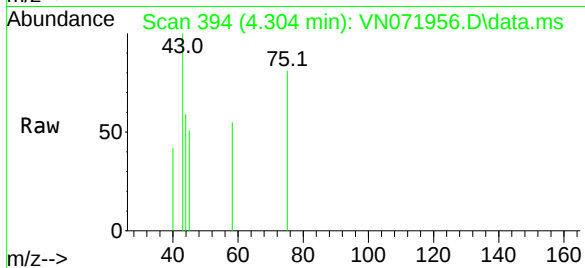




#16
Acetone
Concen: 0.848 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.029 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

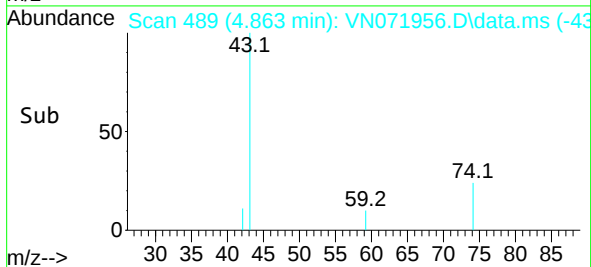
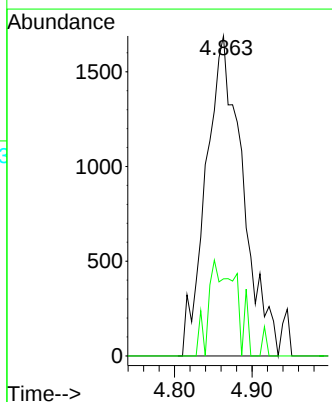
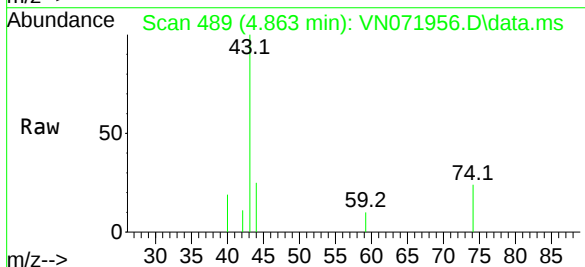
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

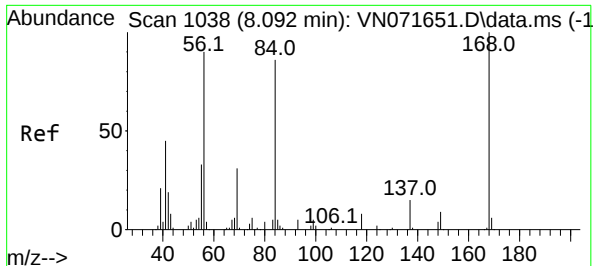
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 54.8 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion: 43 Resp: 5558
Ion Ratio Lower Upper
43 100
74 12.2 21.6 32.4#





#31

Cyclohexane

Concen: 1.034 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071956.D

Acq: 12 Apr 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBL01

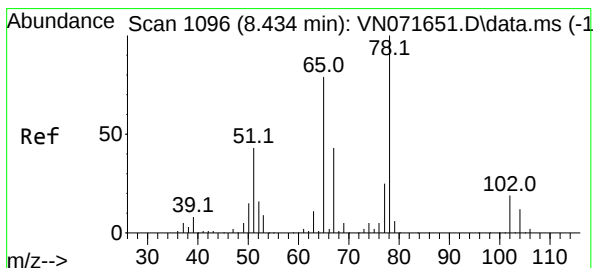
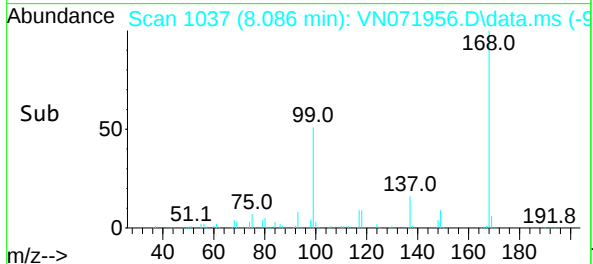
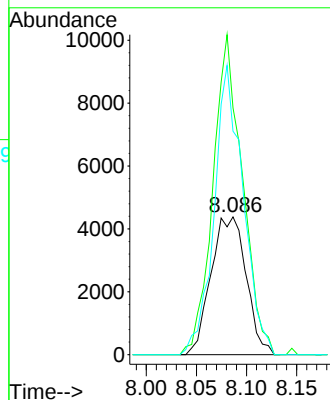
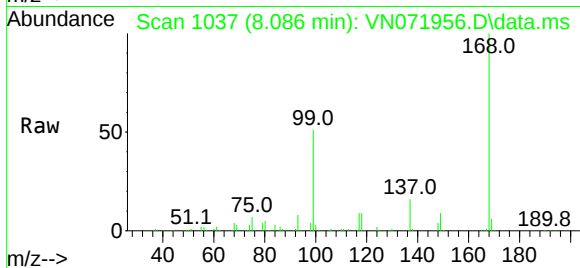
Tgt Ion: 56 Resp: 10692

Ion Ratio Lower Upper

56 100

69 179.1 27.8 41.8#

84 162.2 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.183 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071956.D

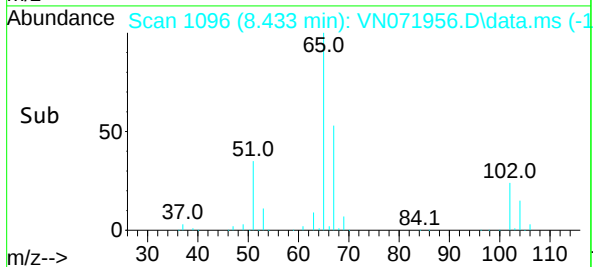
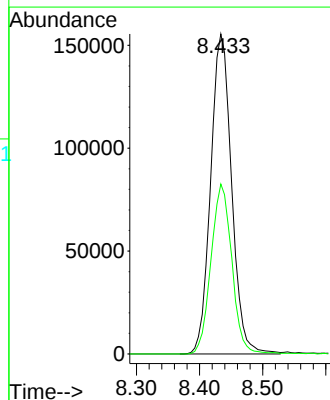
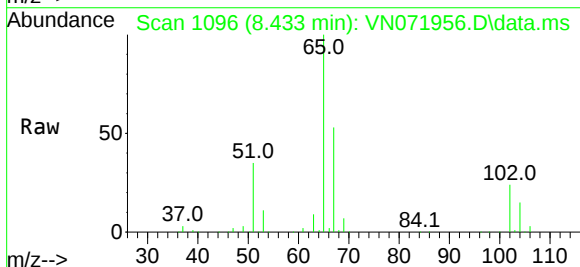
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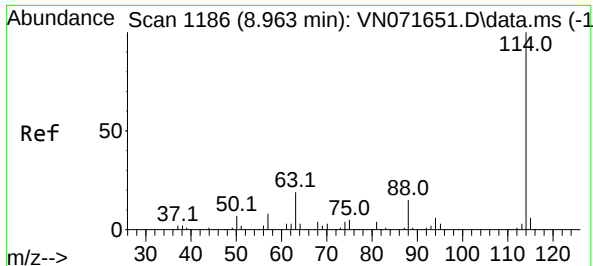
Tgt Ion: 65 Resp: 358856

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8

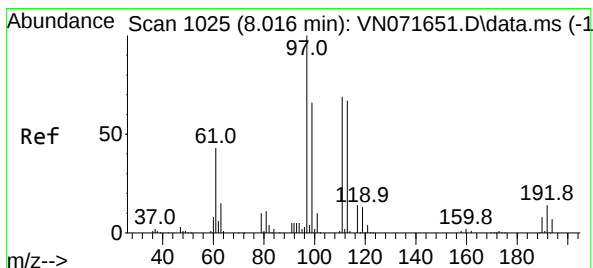
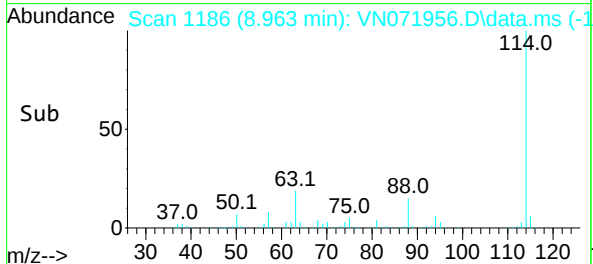
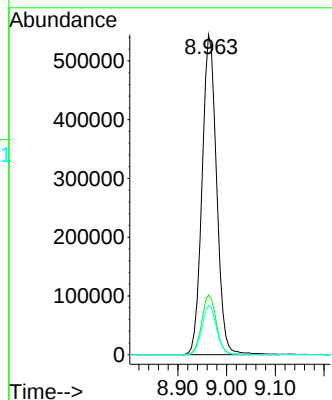
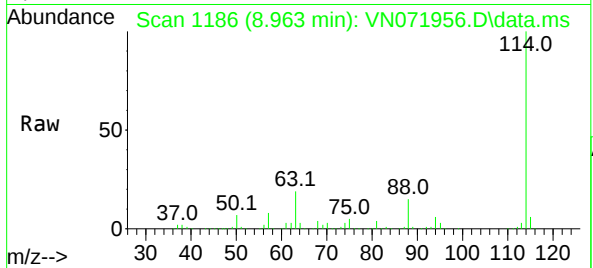




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

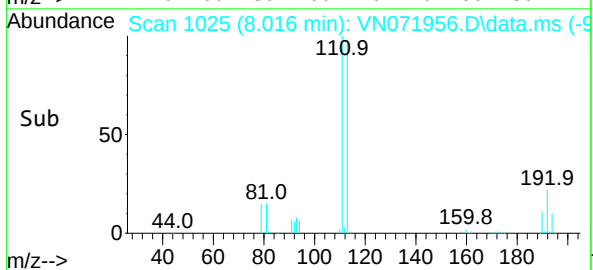
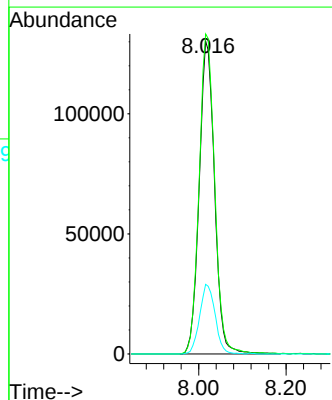
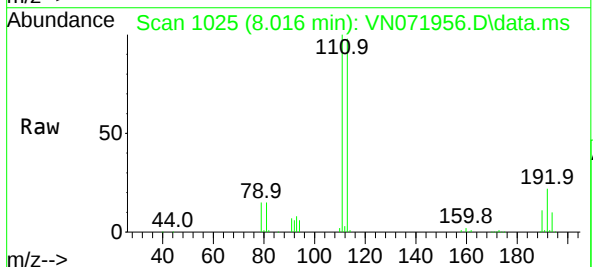
Instrument :
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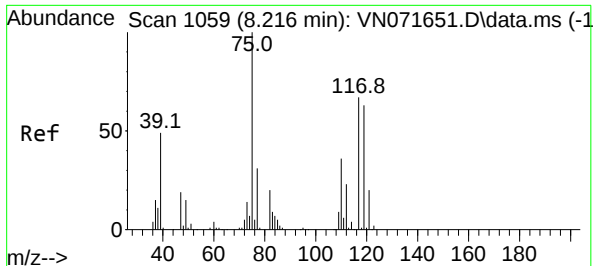
Tgt Ion:114 Resp: 1129789
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.0
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.972 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion:113 Resp: 318923
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 22.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN071956.D

Acq: 12 Apr 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBL01

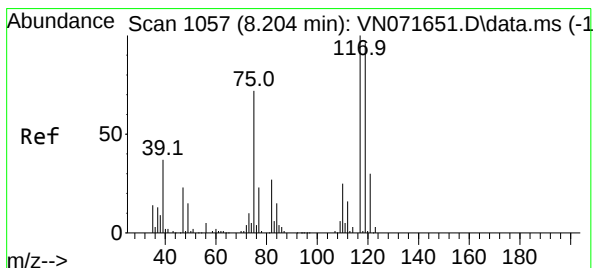
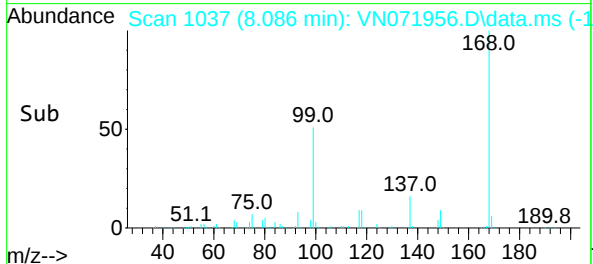
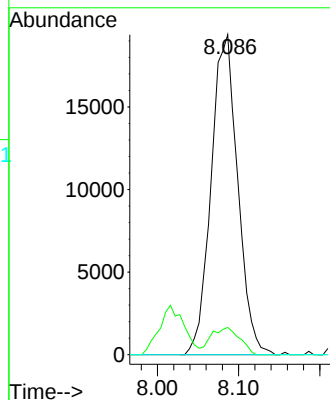
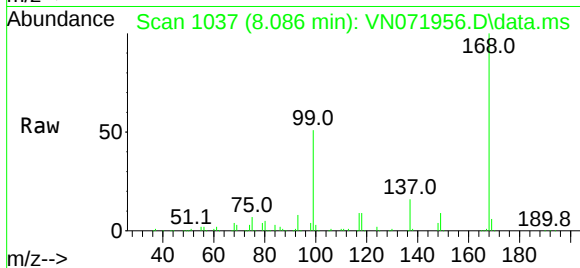
Tgt Ion: 75 Resp: 44145

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.456 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071956.D

Acq: 12 Apr 2022 14:57

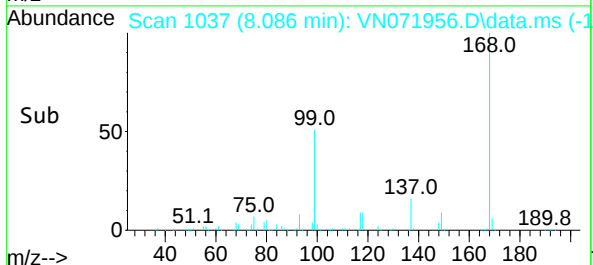
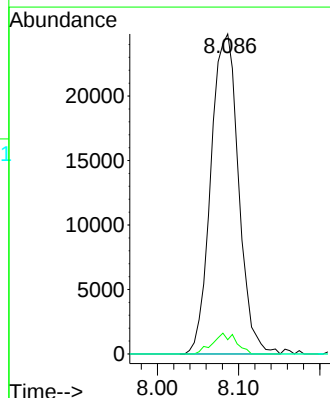
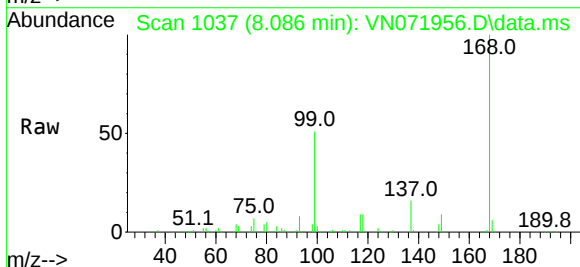
Tgt Ion: 117 Resp: 58742

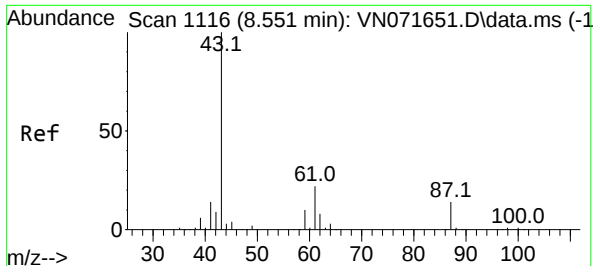
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 24.6 37.0#

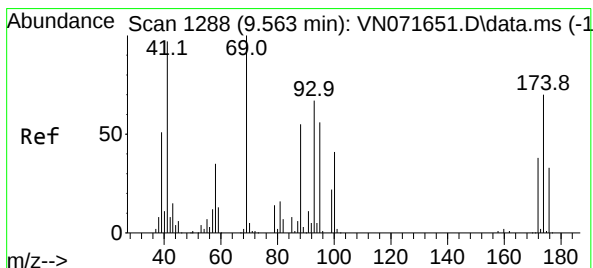
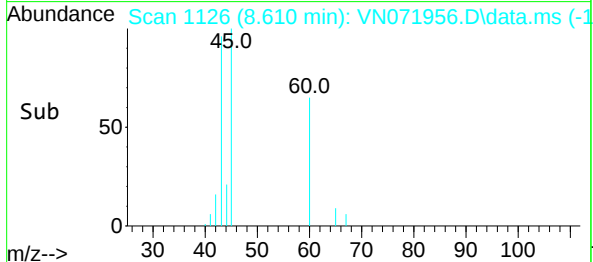
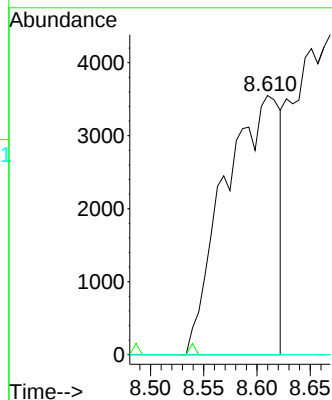
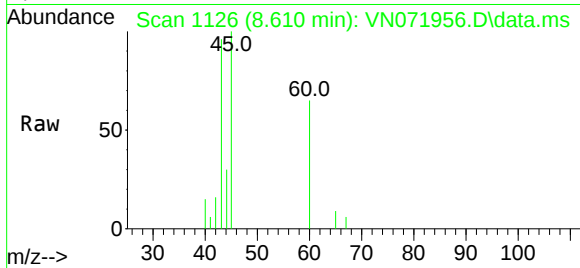




#43
Isopropyl Acetate
Concen: 0.761 ug/l
RT: 8.610 min Scan# 1116
Delta R.T. 0.059 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

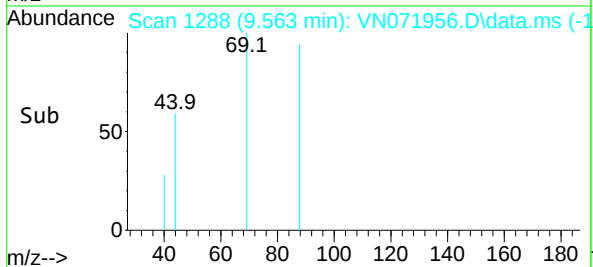
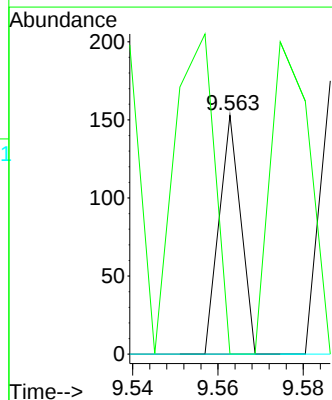
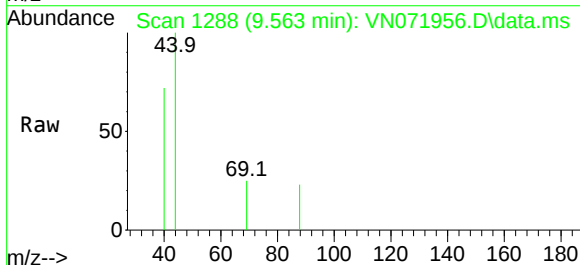
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

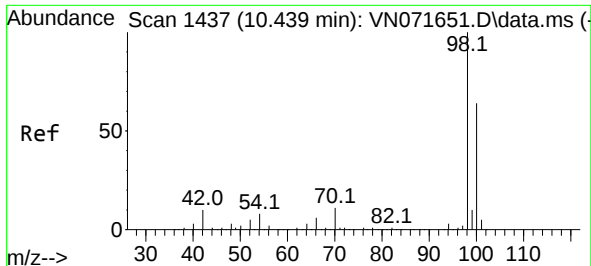
Tgt Ion: 43 Resp: 12859
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 246.3 20.2 30.4#
58 0.0 54.2 81.4#





#50

Toluene-d8

Concen: 52.127 ug/l

RT: 10.439 min Scan# 1417

Delta R.T. 0.000 min

Lab File: VN071956.D

Acq: 12 Apr 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

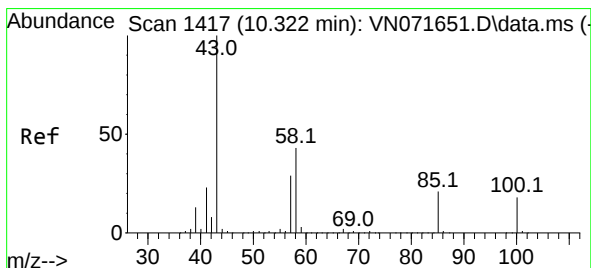
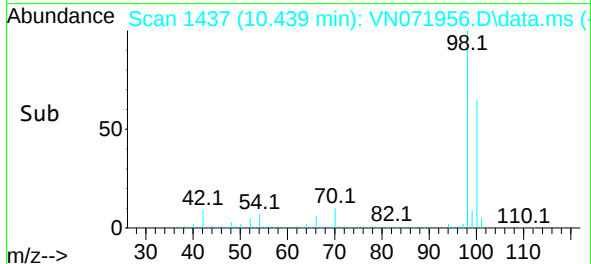
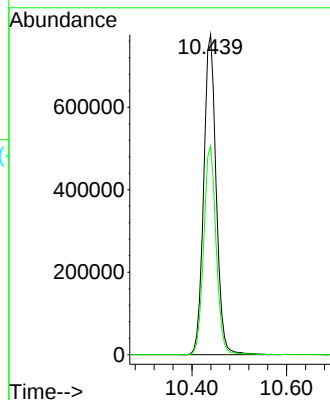
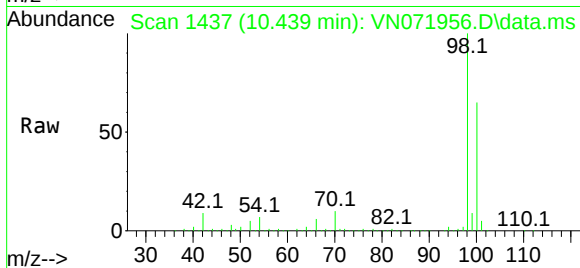
VN0412WBL01

Tgt Ion: 98 Resp: 1417655

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.005 min

Lab File: VN071956.D

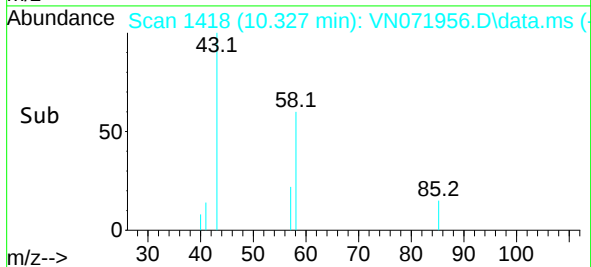
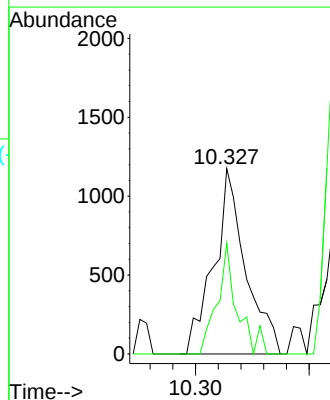
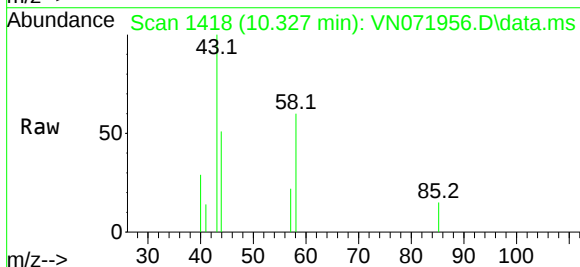
Acq: 12 Apr 2022 14:57

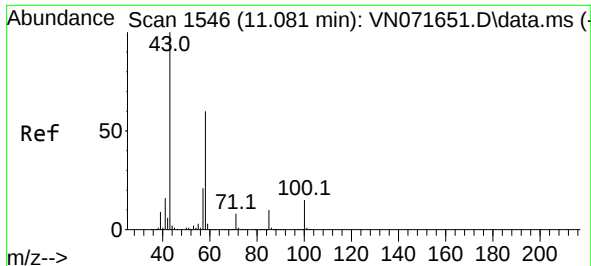
Tgt Ion: 43 Resp: 2287

Ion Ratio Lower Upper

43 100

58 37.2 34.1 51.1

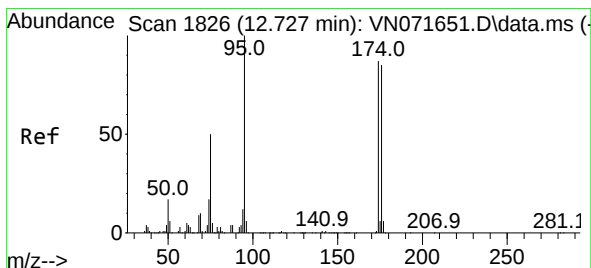
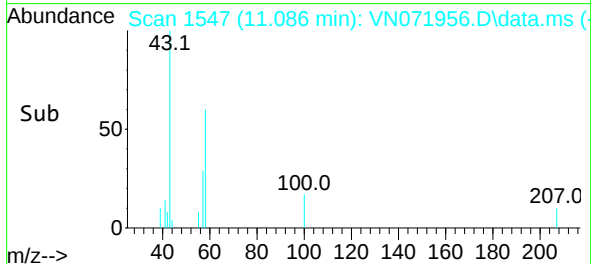
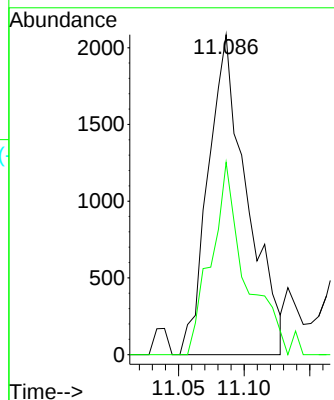
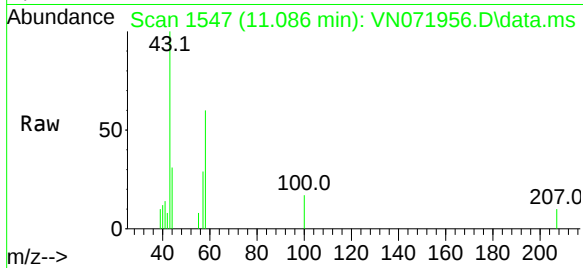




#59
2-Hexanone
Concen: 0.629 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

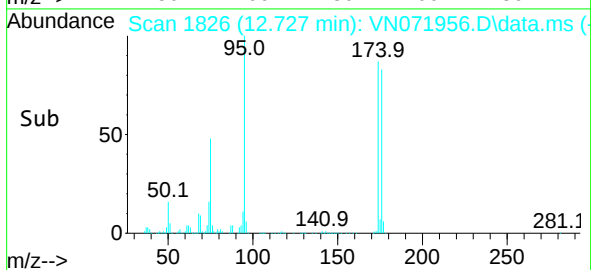
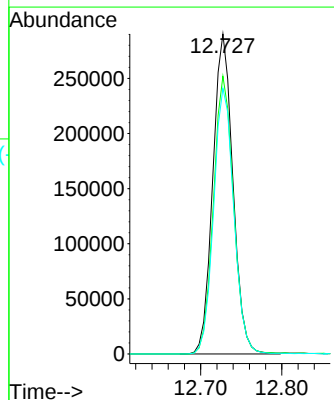
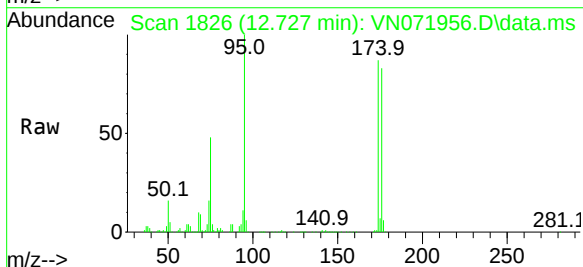
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

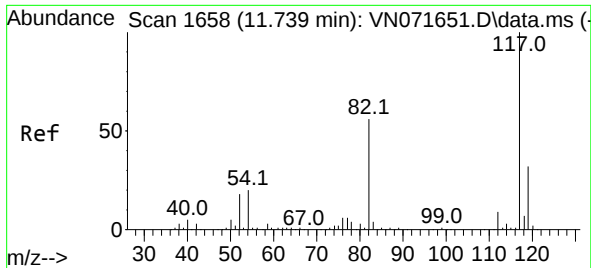
Tgt Ion: 43 Resp: 4305
Ion Ratio Lower Upper
43 100
58 53.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 56.681 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion: 95 Resp: 498543
Ion Ratio Lower Upper
95 100
174 87.2 0.0 167.6
176 83.7 0.0 163.4

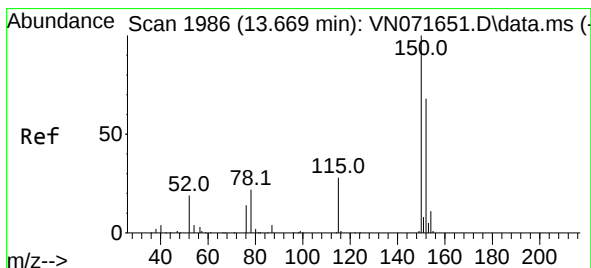
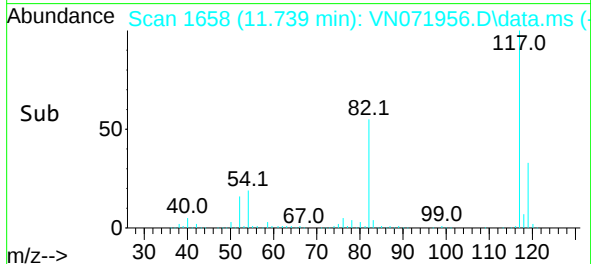
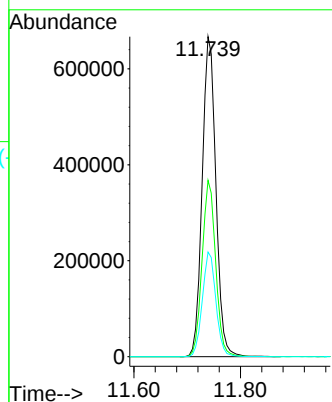
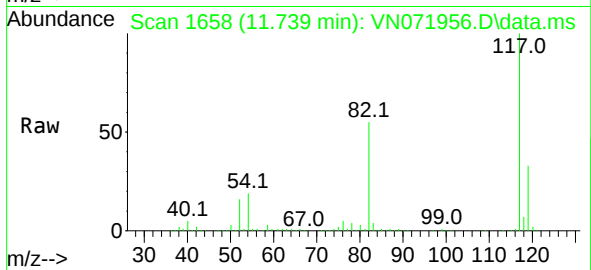




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

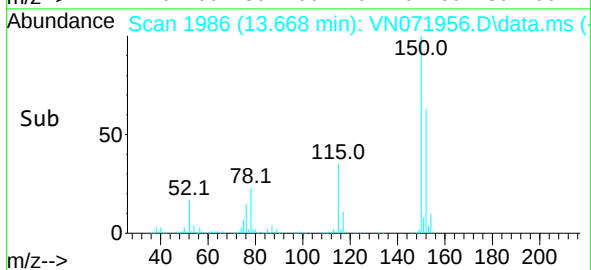
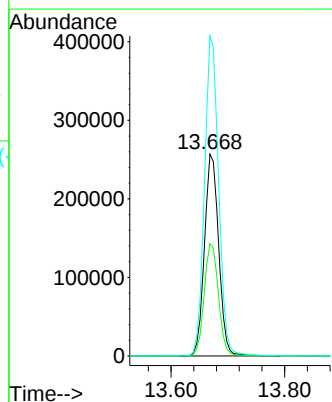
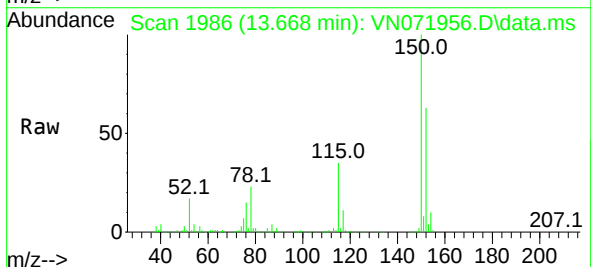
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

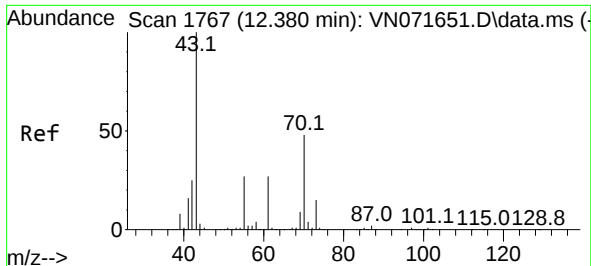
Tgt Ion:117 Resp: 1190286
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion:152 Resp: 446442
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 156.8 0.0 356.2

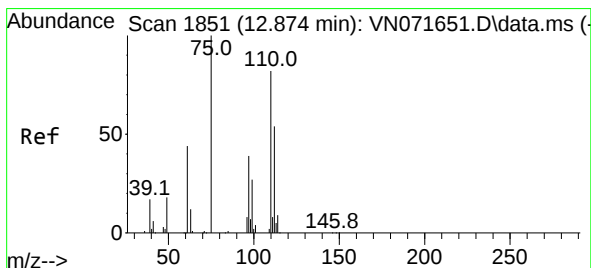
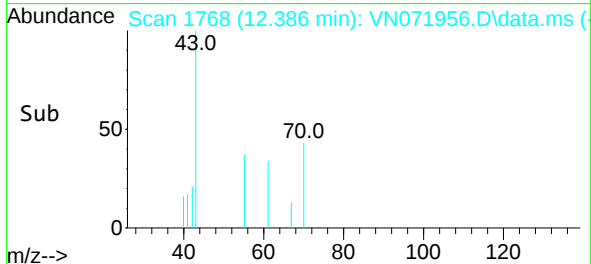
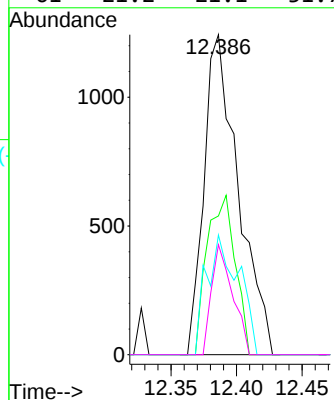
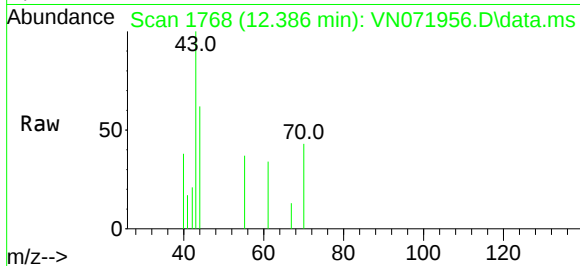




#74
N-amy1 acetate
Concen: 0.209 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

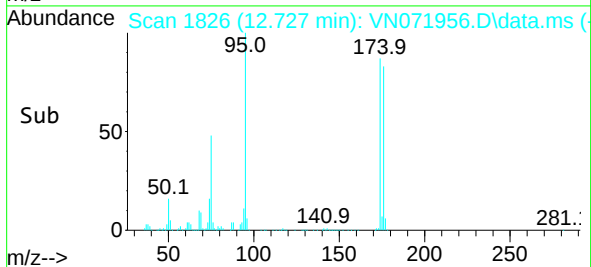
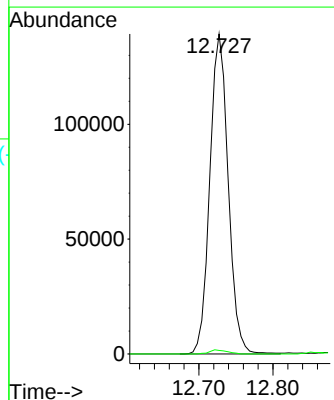
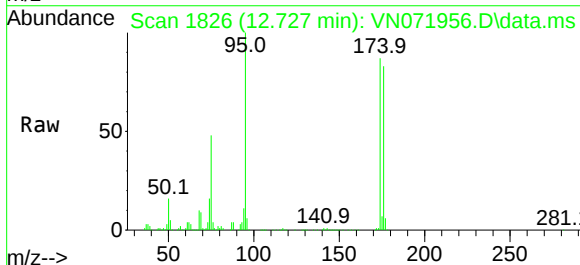
Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

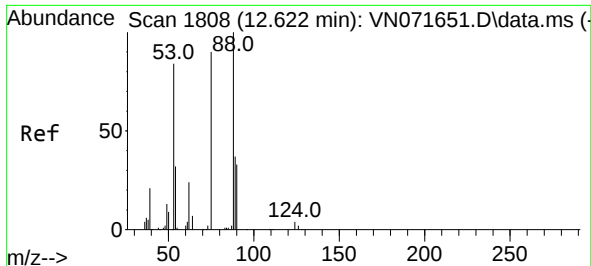
Tgt Ion: 43	Resp: 2256
Ion Ratio	Lower Upper
43 100	
70 41.0	39.0 58.4
55 35.2	21.1 31.7#
61 21.2	21.1 31.7



#76
1,2,3-Trichloropropane
Concen: 23.215 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

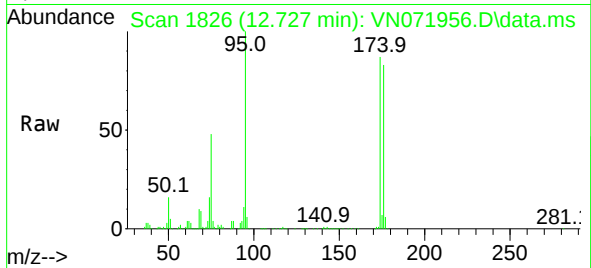
Tgt Ion: 75	Resp: 240090
Ion Ratio	Lower Upper
75 100	
77 1.2	98.5 295.5#



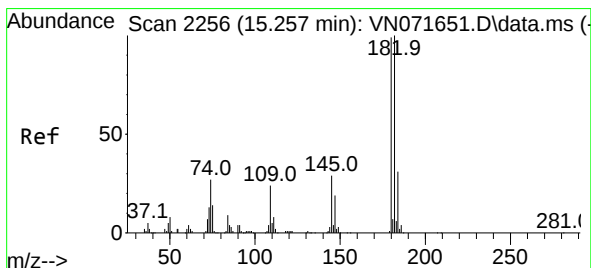
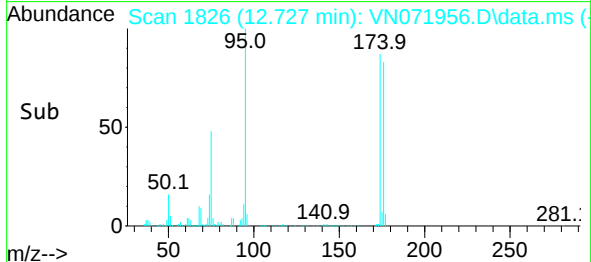
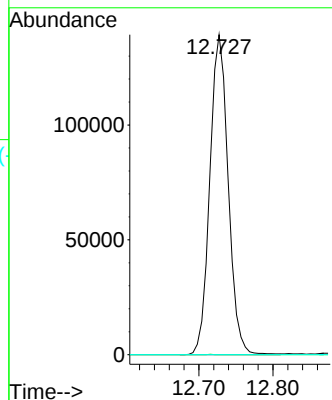


#81
trans-1,4-Dichloro-2-butene
Concen: 71.941 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBL01

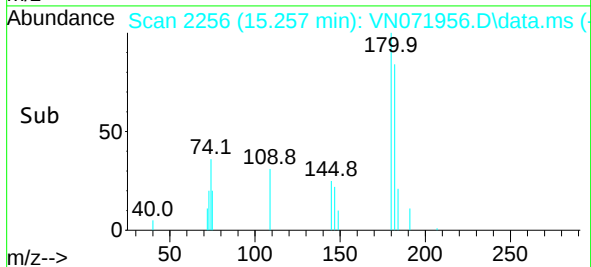
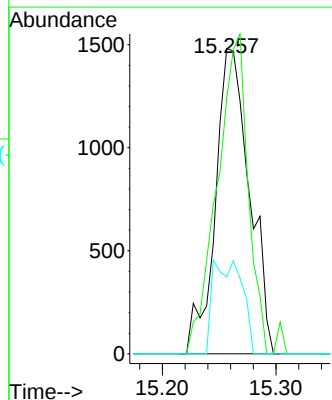
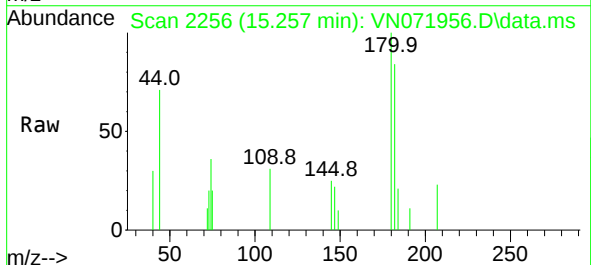


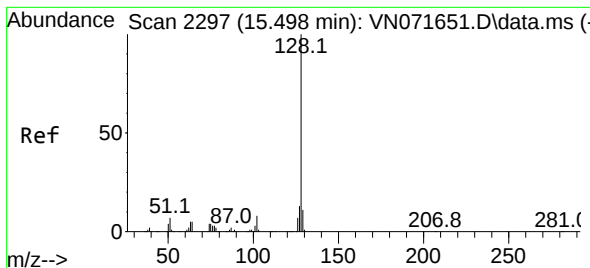
Tgt Ion: 75 Resp: 240090
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.505 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071956.D
Acq: 12 Apr 2022 14:57

Tgt Ion:180 Resp: 3107
Ion Ratio Lower Upper
180 100
182 94.3 47.5 142.5
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.294 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071956.D

Acq: 12 Apr 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBL01

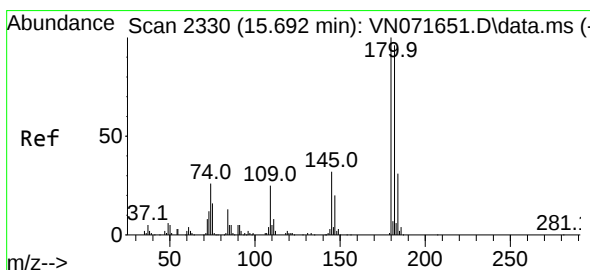
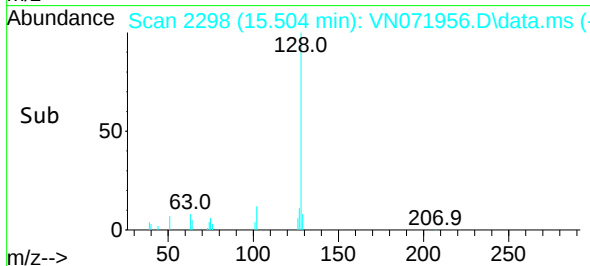
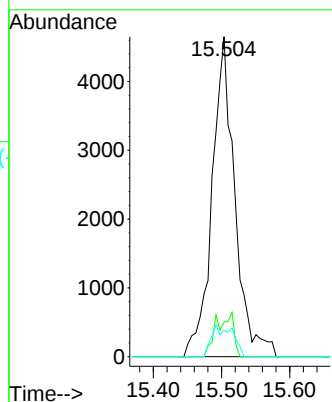
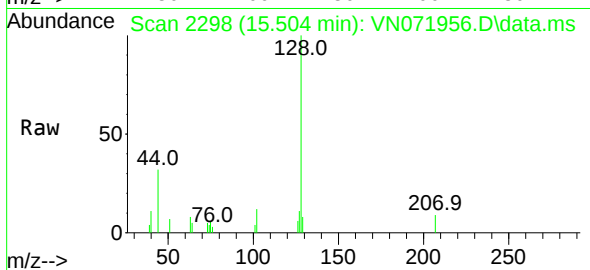
Tgt Ion:128 Resp: 10814

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 2.890 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN071956.D

Acq: 12 Apr 2022 14:57

Tgt Ion:180 Resp: 3438

Ion Ratio Lower Upper

180 100

182 103.8 47.8 143.3

145 30.3 15.5 46.5

