

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074211.D
 Acq On : 31 Aug 2022 13:56
 Operator : JC\MD
 Sample : N4447-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1656-WATER

Quant Time: Sep 01 00:24:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

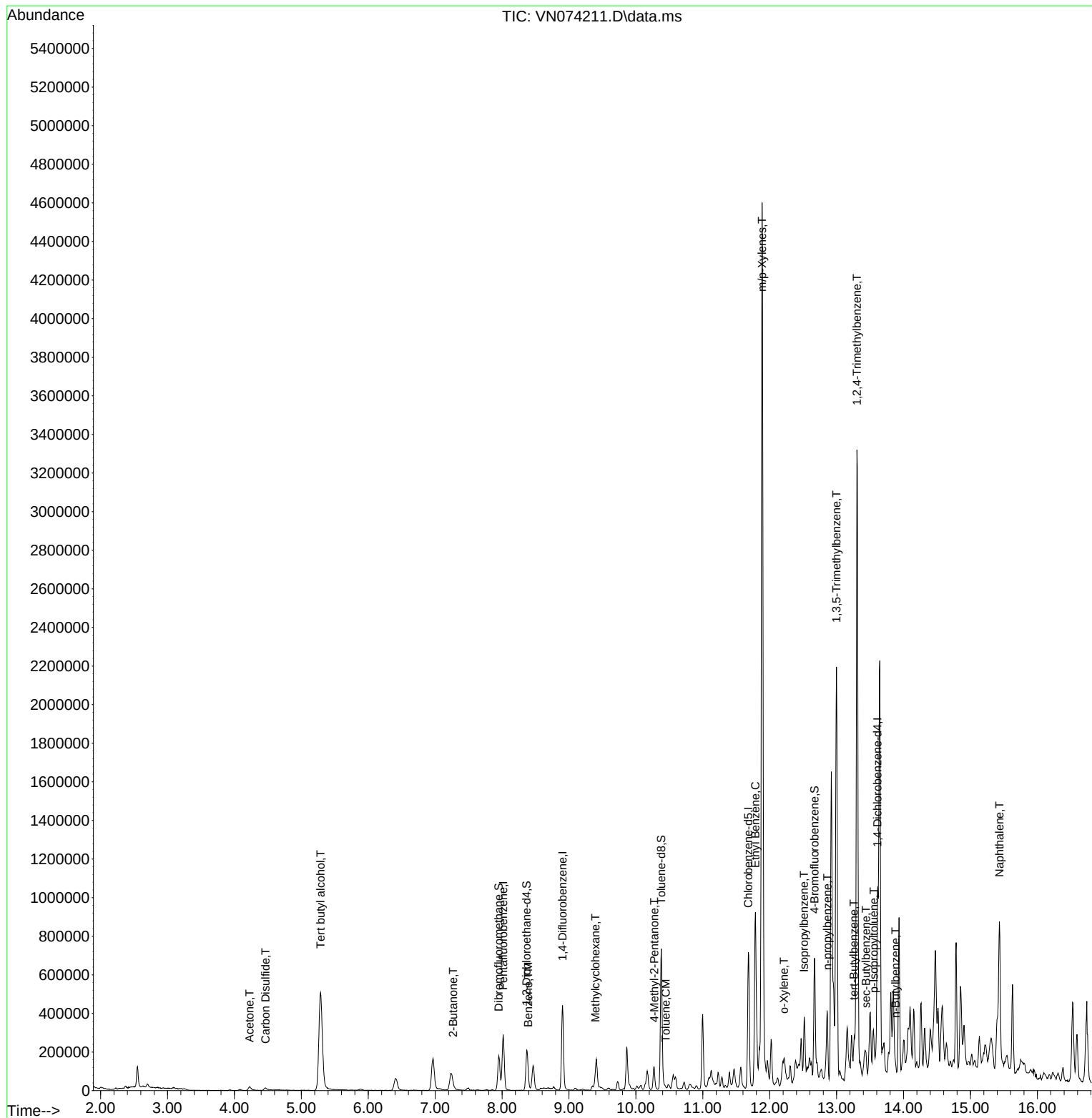
Internal Standards						
1) Pentafluorobenzene	8.016	168	192835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	362925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	365822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	212917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	152424	50.955	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	7.951	113	127057	53.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.600%			
50) Toluene-d8	10.380	98	444662	47.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.620%			
62) 4-Bromofluorobenzene	12.669	95	196319	69.412	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 138.820%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	862589	1316.713	ug/l	99
16) Acetone	4.228	43	37172	18.597	ug/l	99
17) Carbon Disulfide	4.463	76	29413	4.571	ug/l	99
25) 2-Butanone	7.269	43	44863	14.030	ug/l	93
39) Methylcyclohexane	9.398	83	23781	5.287	ug/l	92
40) Benzene	8.392	78	23746	1.974	ug/l #	88
51) 4-Methyl-2-Pentanone	10.275	43	87028	13.920	ug/l	88
52) Toluene	10.445	92	5454	0.769	ug/l	94
67) Ethyl Benzene	11.786	91	578115	39.134	ug/l	100
68) m/p-Xylenes	11.886	106	1238933	225.759	ug/l	95
69) o-Xylene	12.216	106	29630	5.419	ug/l	99
73) Isopropylbenzene	12.516	105	212337	11.645	ug/l	98
78) n-propylbenzene	12.863	91	285063	13.715	ug/l	95
80) 1,3,5-Trimethylbenzene	12.998	105	979846	66.074	ug/l	97
83) tert-Butylbenzene	13.257	119	37596	2.964	ug/l	94
84) 1,2,4-Trimethylbenzene	13.304	105	1732987	121.085	ug/l	100
85) sec-Butylbenzene	13.439	105	56190	3.158	ug/l #	51
86) p-Isopropyltoluene	13.557	119	67972	4.909	ug/l	99
89) n-Butylbenzene	13.880	91	27306	2.264	ug/l #	68
95) Naphthalene	15.433	128	674155	41.917	ug/l	99

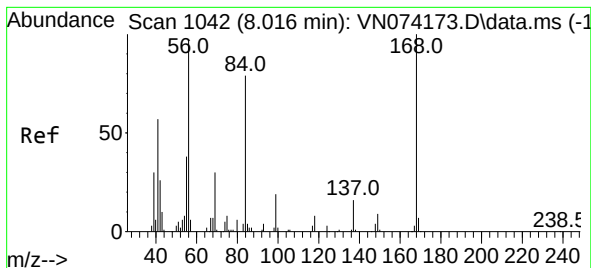
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
Response via : Initial Calibration

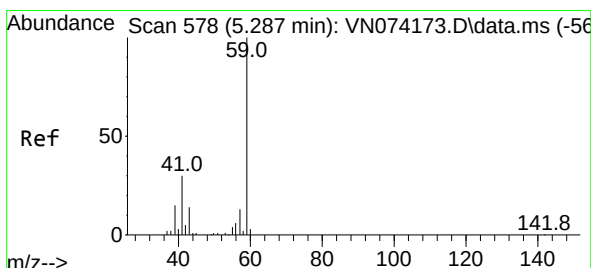
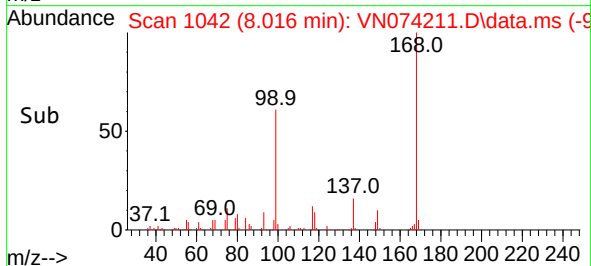
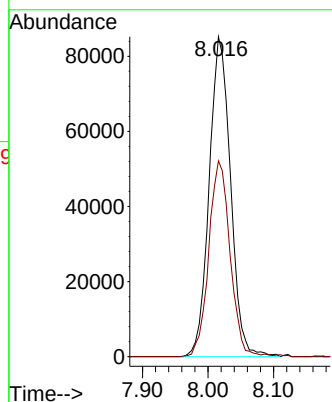
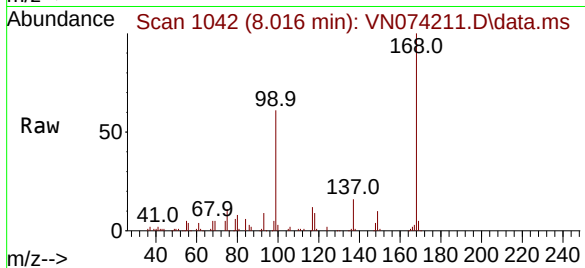




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

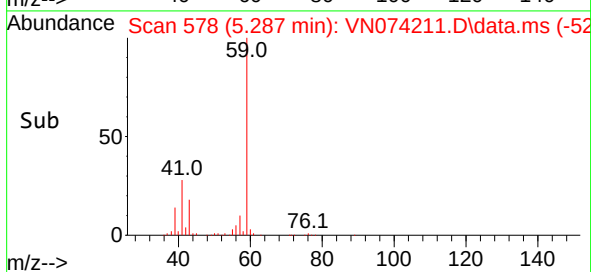
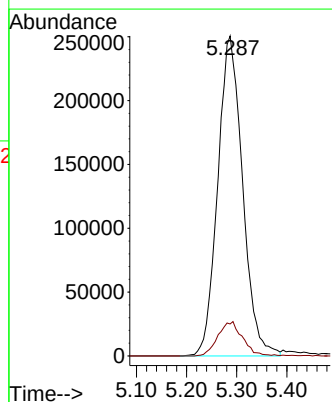
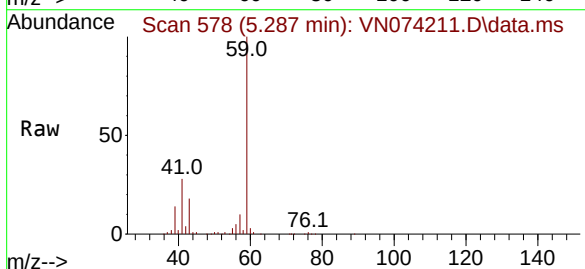
Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

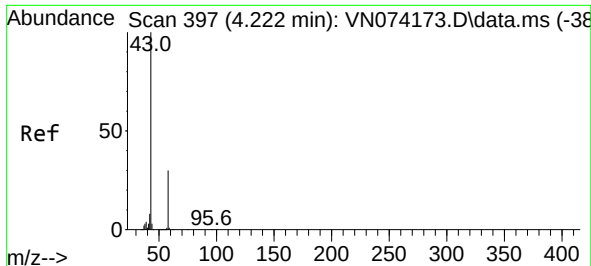
Tgt Ion:168 Resp: 192835
Ion Ratio Lower Upper
168 100
99 61.2 42.3 63.5



#11
Tert butyl alcohol
Concen: 1316.713 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 59 Resp: 862589
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

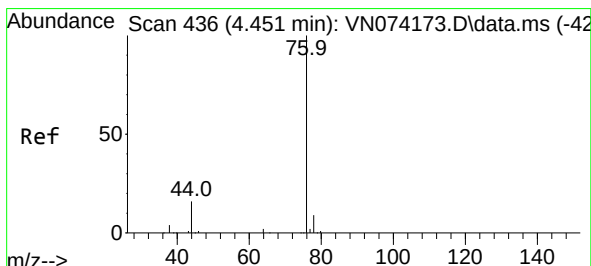
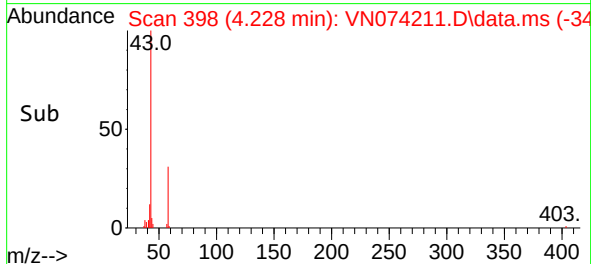
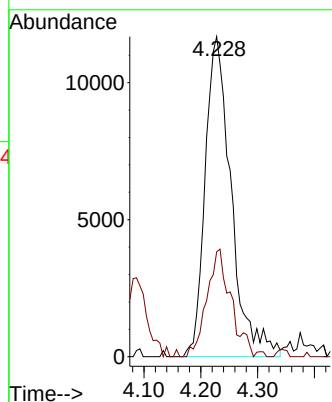
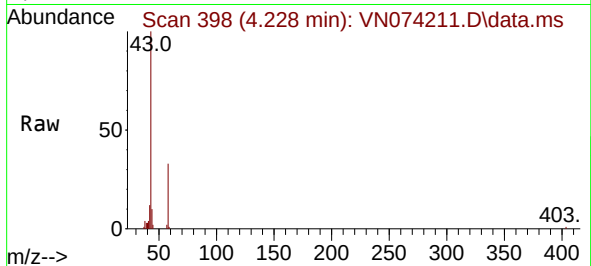




#16
Acetone
Concen: 18.597 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

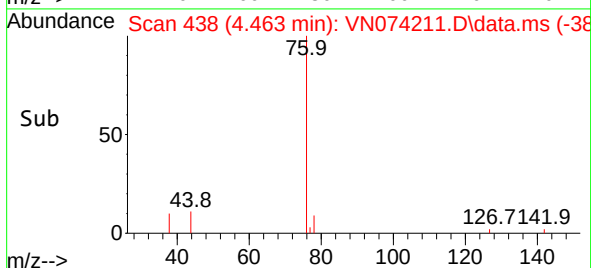
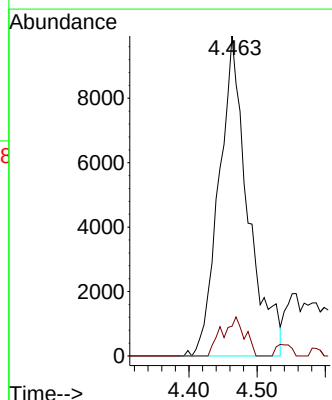
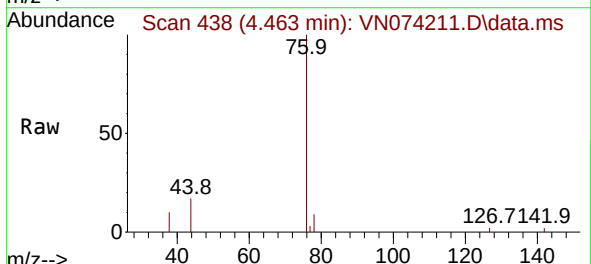
Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

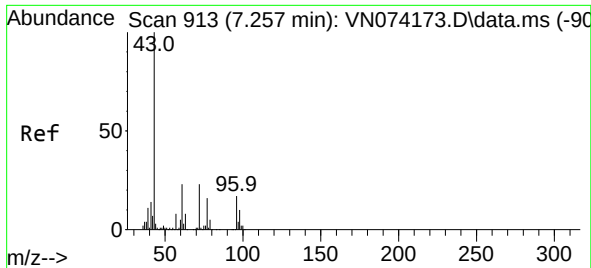
Tgt Ion: 43 Resp: 37172
Ion Ratio Lower Upper
43 100
58 32.8 26.0 39.0



#17
Carbon Disulfide
Concen: 4.571 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.012 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 76 Resp: 29413
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

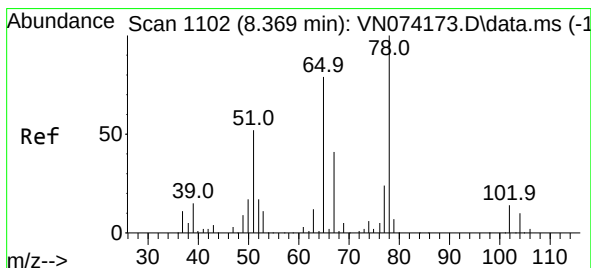
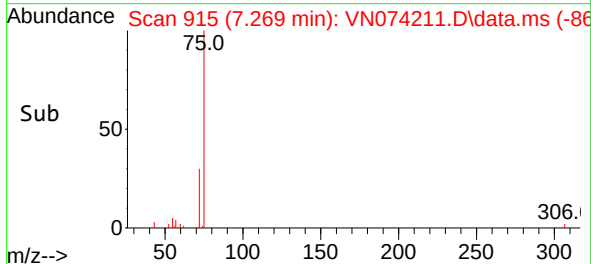
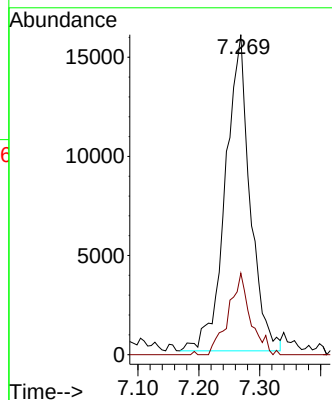
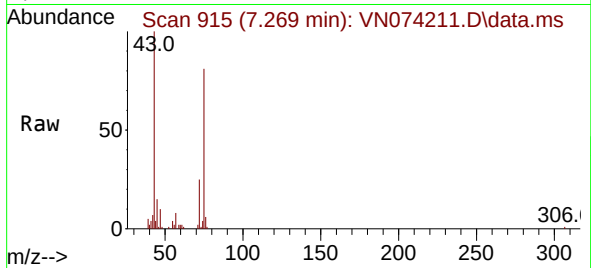




#25
2-Butanone
Concen: 14.030 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

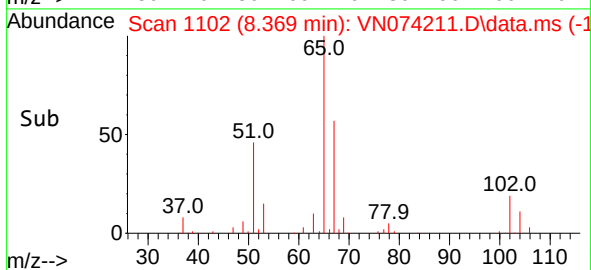
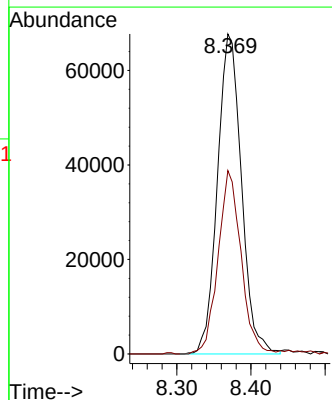
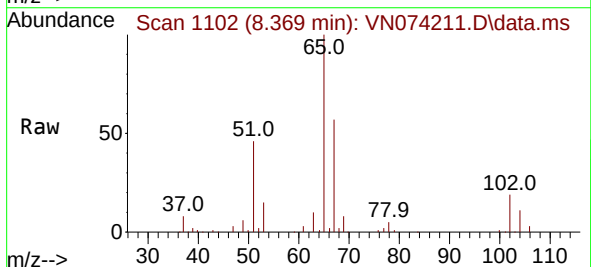
Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

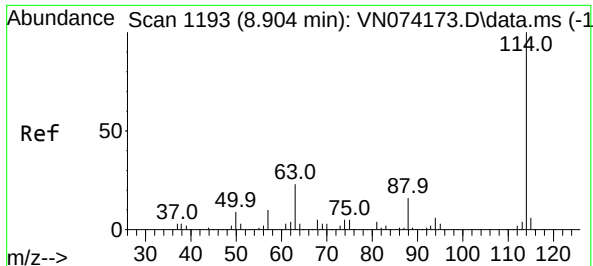
Tgt Ion: 43 Resp: 44863
Ion Ratio Lower Upper
43 100
72 25.8 23.7 35.5



#33
1,2-Dichloroethane-d4
Concen: 50.955 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 65 Resp: 152424
Ion Ratio Lower Upper
65 100
67 54.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074211.D

Acq: 31 Aug 2022 13:56

Instrument :

MSVOA_N

ClientSampleId :

AUD-1656-WATER

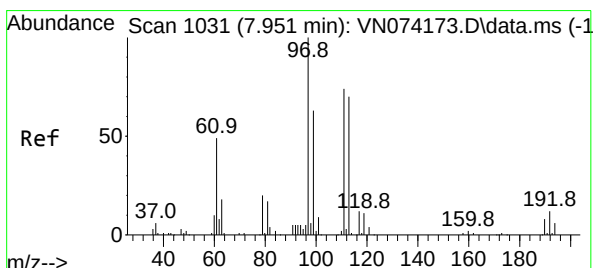
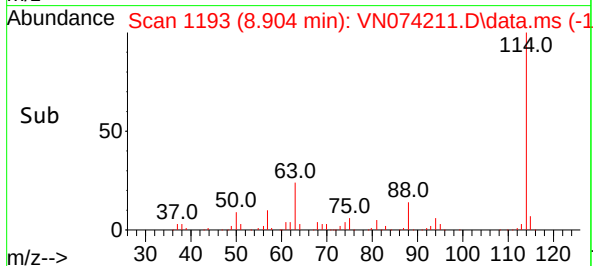
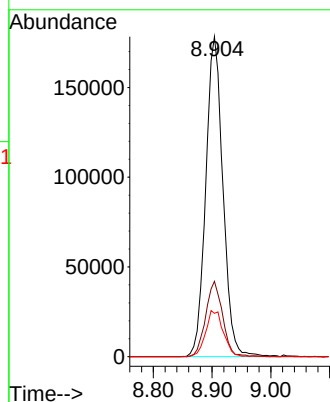
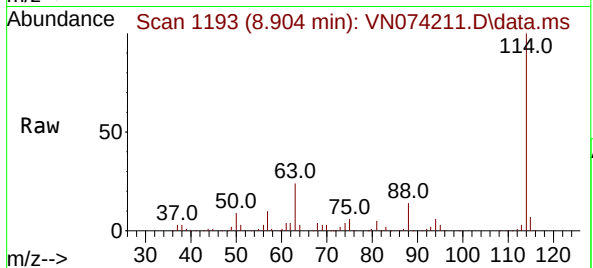
Tgt Ion:114 Resp: 362925

Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.0

88 13.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.801 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074211.D

Acq: 31 Aug 2022 13:56

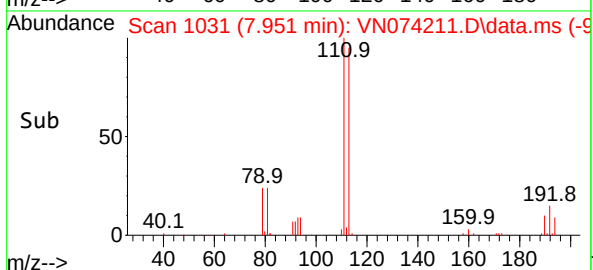
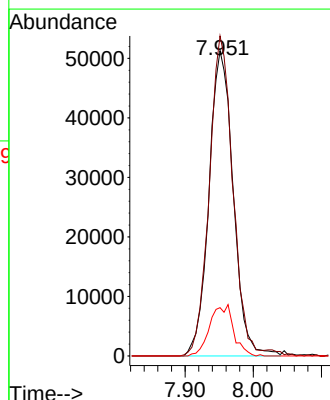
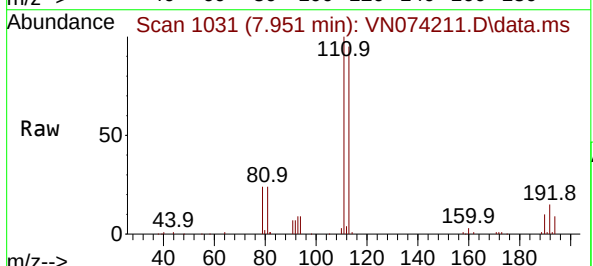
Tgt Ion:113 Resp: 127057

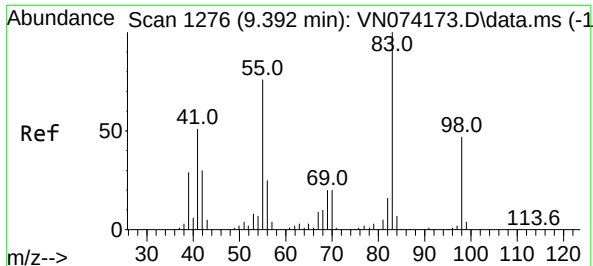
Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 16.4 17.0 25.6#





#39

Methylcyclohexane

Concen: 5.287 ug/l

RT: 9.398 min Scan# 11277

Delta R.T. 0.006 min

Lab File: VN074211.D

Acq: 31 Aug 2022 13:56

Instrument :

MSVOA_N

ClientSampleId :

AUD-1656-WATER

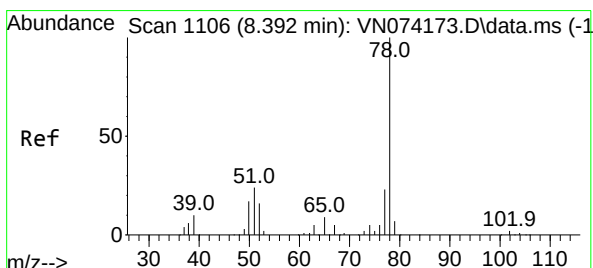
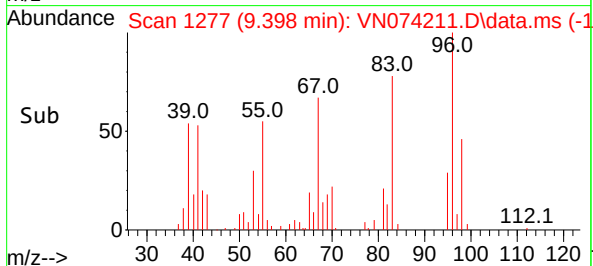
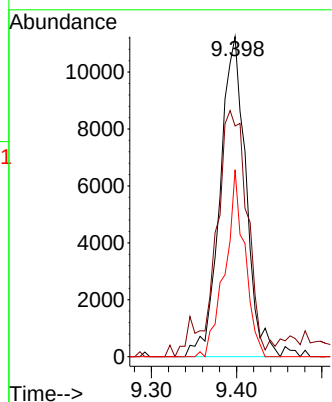
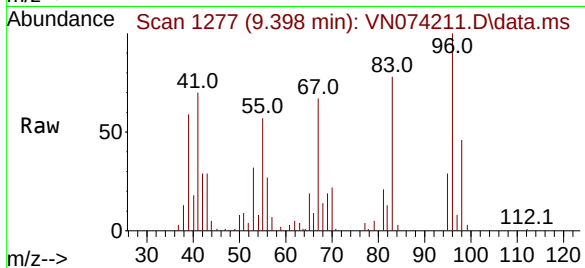
Tgt Ion: 83 Resp: 23781

Ion Ratio Lower Upper

83 100

55 68.8 57.8 86.8

98 58.4 39.4 59.2



#40

Benzene

Concen: 1.974 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN074211.D

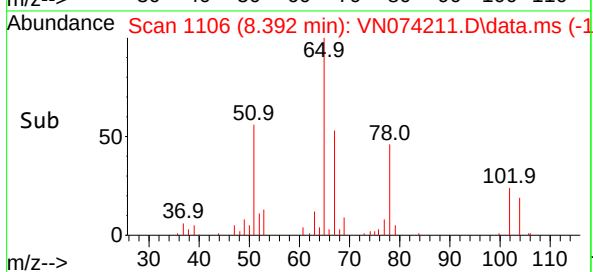
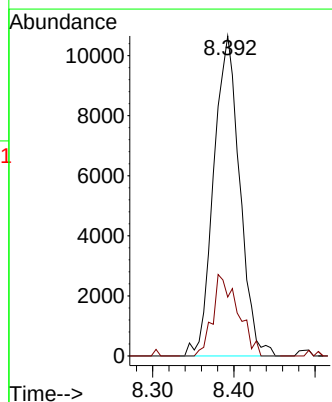
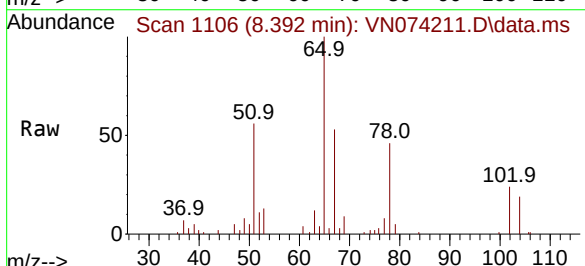
Acq: 31 Aug 2022 13:56

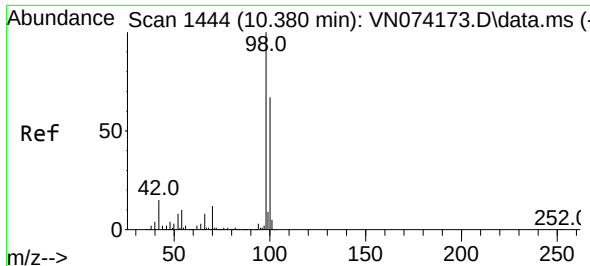
Tgt Ion: 78 Resp: 23746

Ion Ratio Lower Upper

78 100

77 18.4 19.4 29.0#

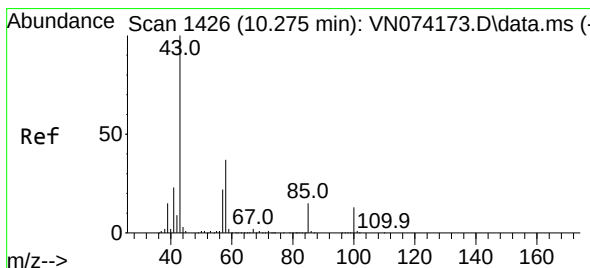
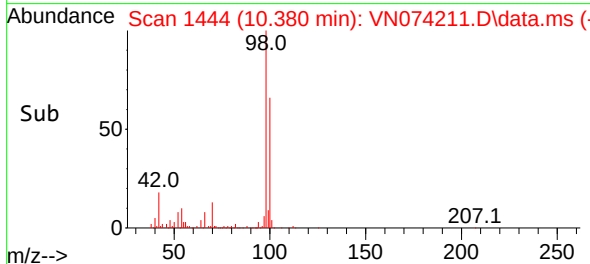
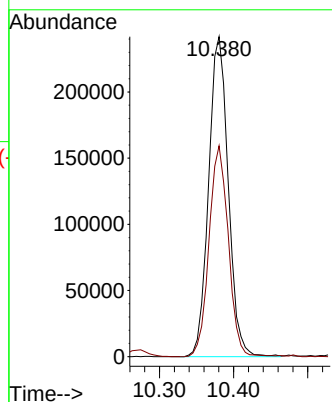
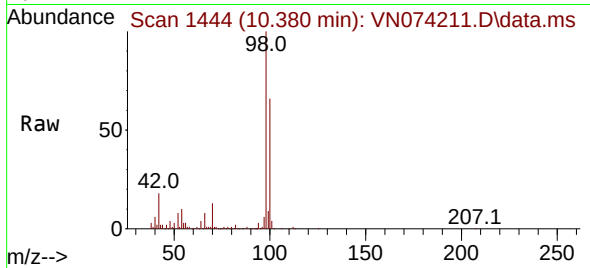




#50
Toluene-d8
Concen: 47.811 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

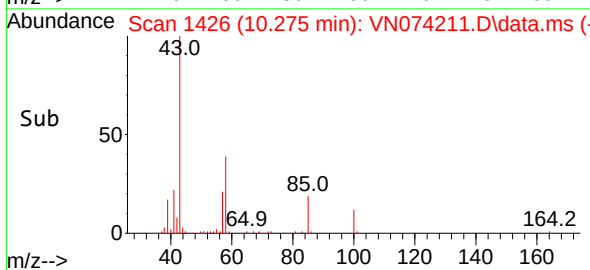
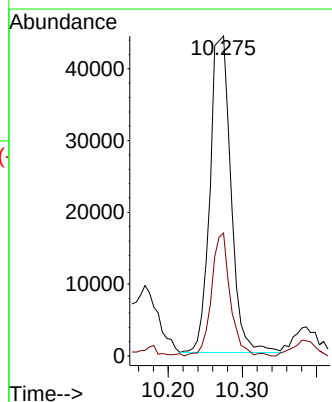
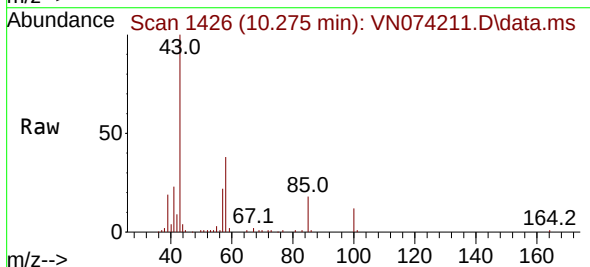
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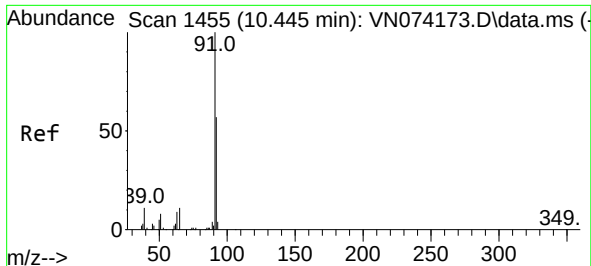
Tgt Ion: 98 Resp: 444662
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 13.920 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 43 Resp: 87028
Ion Ratio Lower Upper
43 100
58 34.7 34.1 51.1

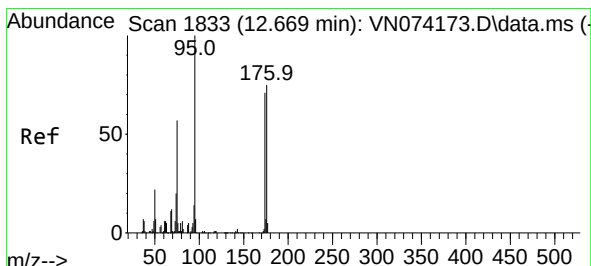
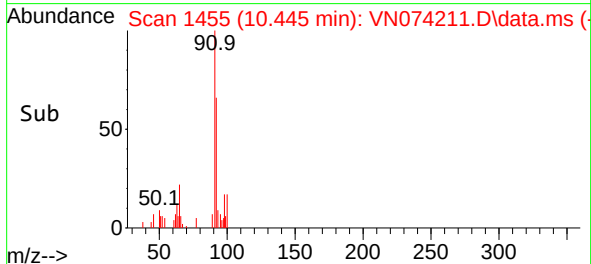
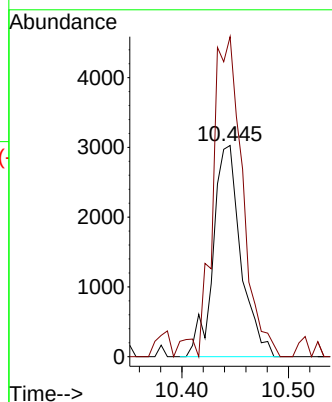
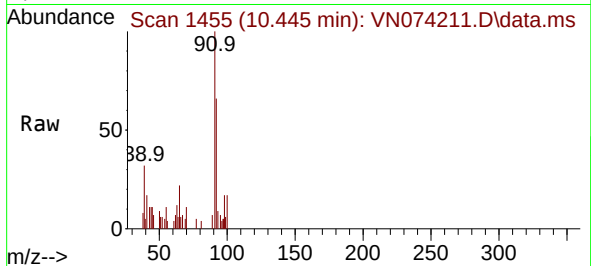




#52
Toluene
Concen: 0.769 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

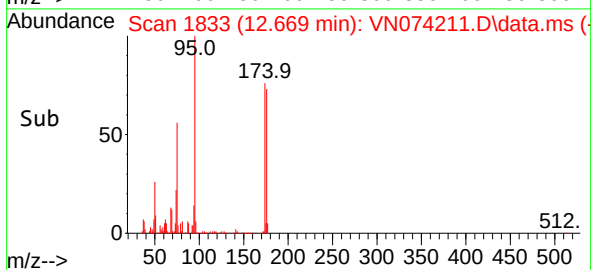
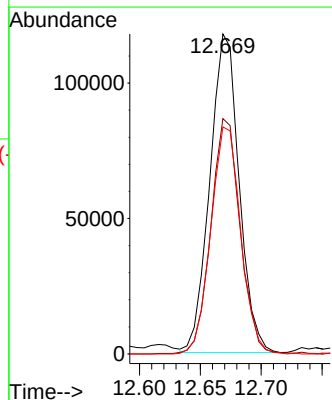
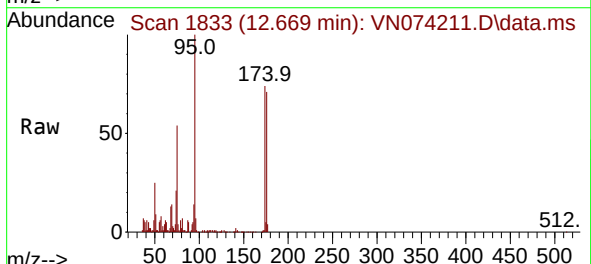
Instrument :
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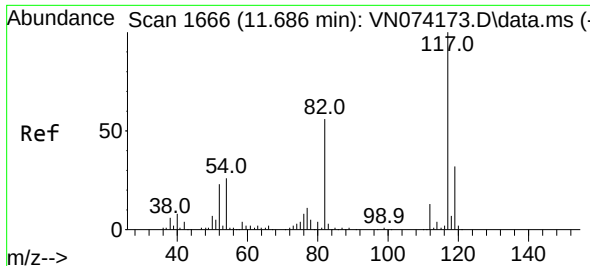
Tgt Ion: 92 Resp: 5454
Ion Ratio Lower Upper
92 100
91 164.2 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 69.412 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 95 Resp: 196319
Ion Ratio Lower Upper
95 100
174 74.0 0.0 167.6
176 72.7 0.0 163.4

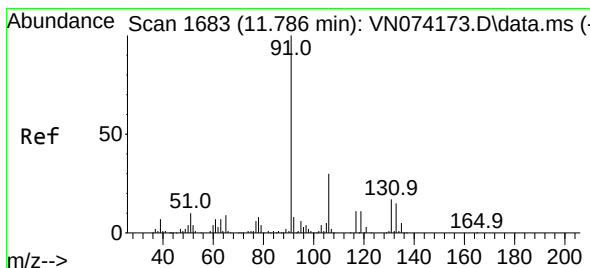
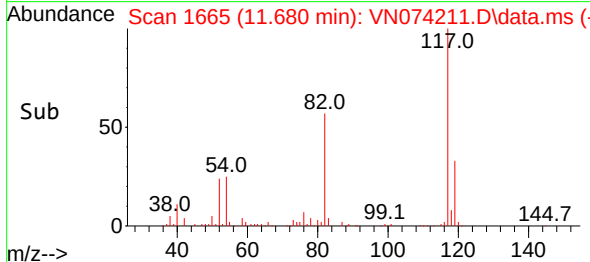
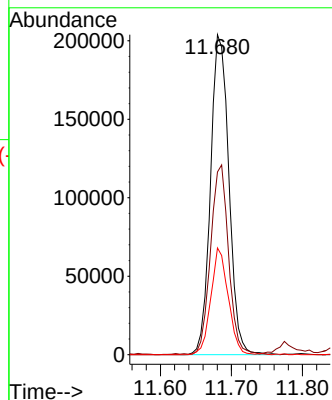
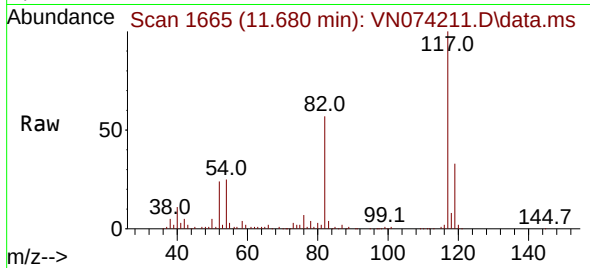




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

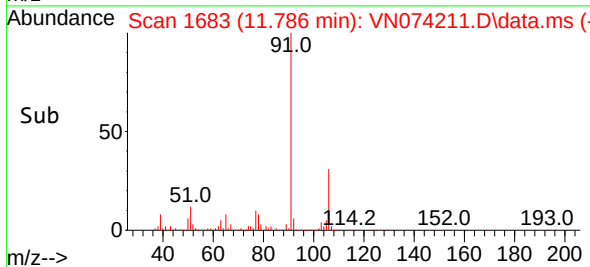
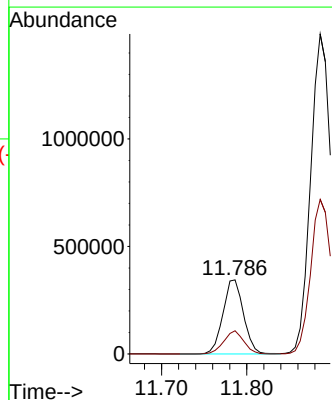
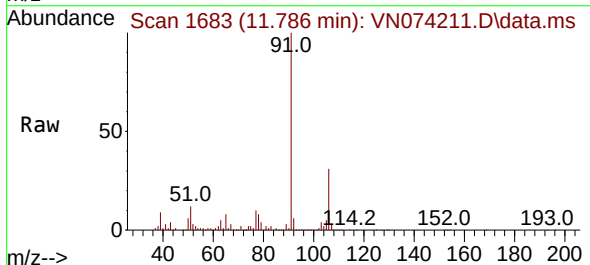
Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

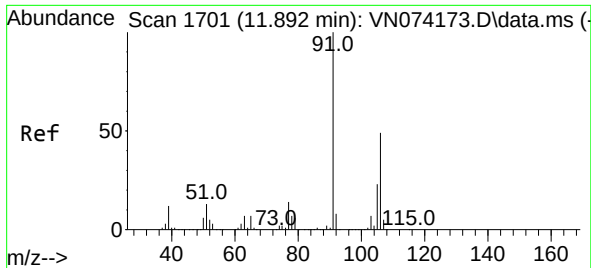
Tgt Ion:117 Resp: 365822
Ion Ratio Lower Upper
117 100
82 56.9 44.2 66.2
119 33.4 25.4 38.0



#67
Ethyl Benzene
Concen: 39.134 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 91 Resp: 578115
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

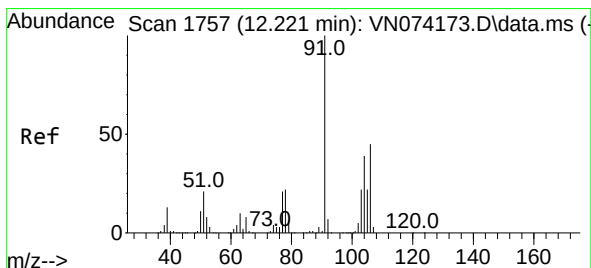
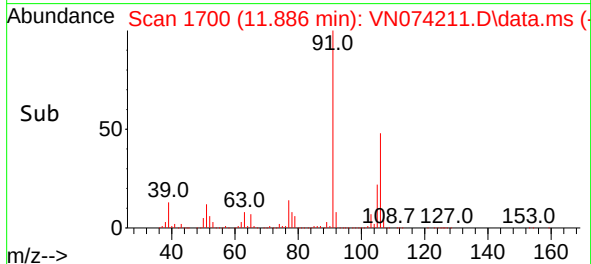
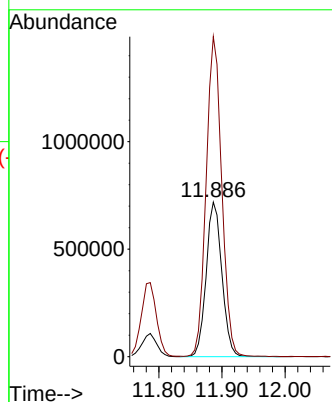
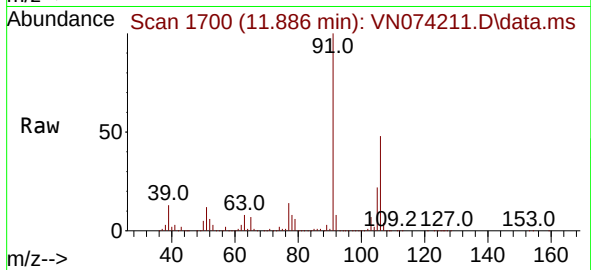




#68
m/p-Xylenes
Concen: 225.759 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

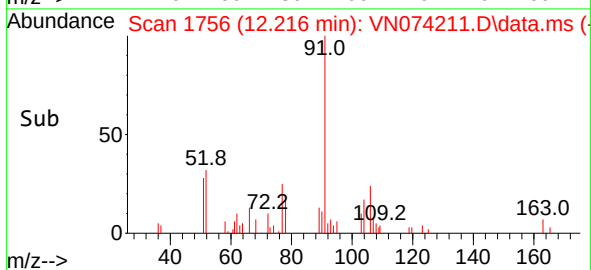
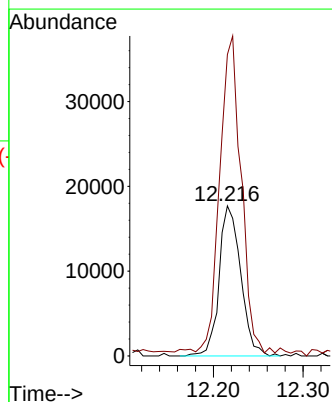
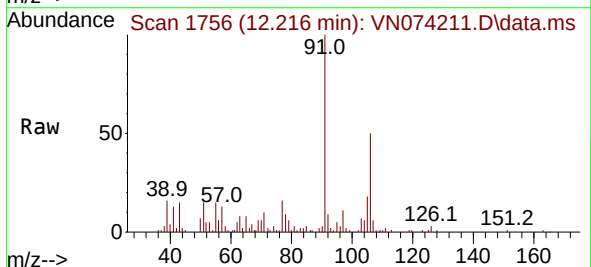
Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

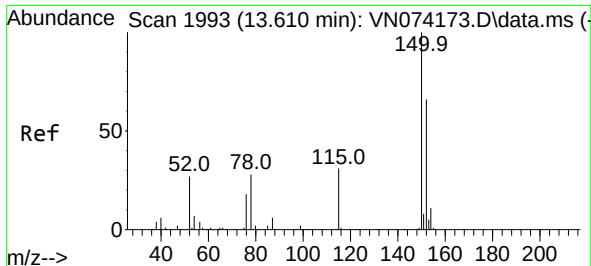
Tgt Ion:106 Resp: 1238933
Ion Ratio Lower Upper
106 100
91 205.9 158.9 238.3



#69
o-Xylene
Concen: 5.419 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.006 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion:106 Resp: 29630
Ion Ratio Lower Upper
106 100
91 209.8 106.0 318.0

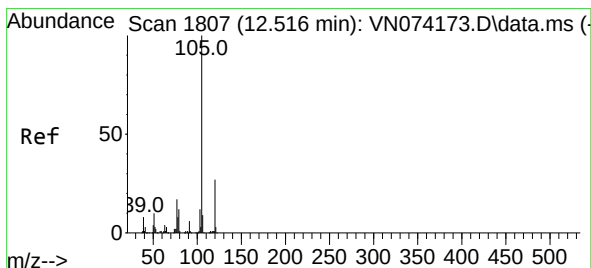
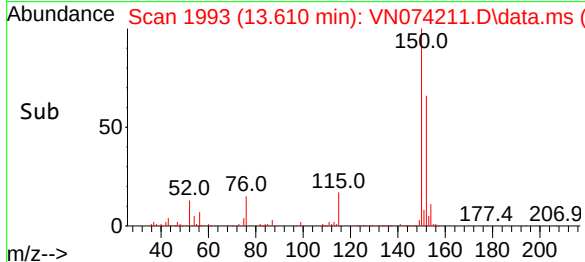
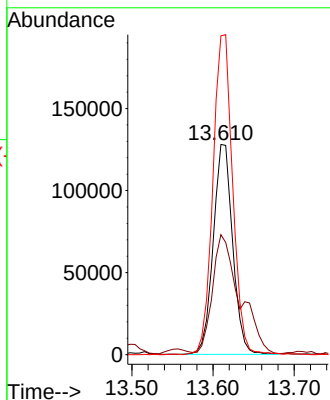
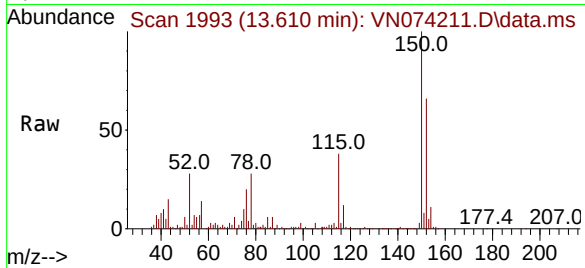




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074211.D
 Acq: 31 Aug 2022 13:56

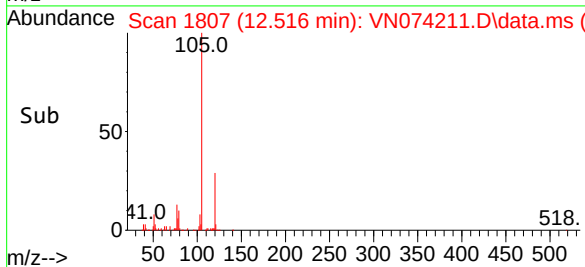
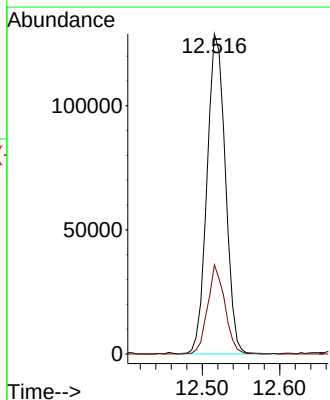
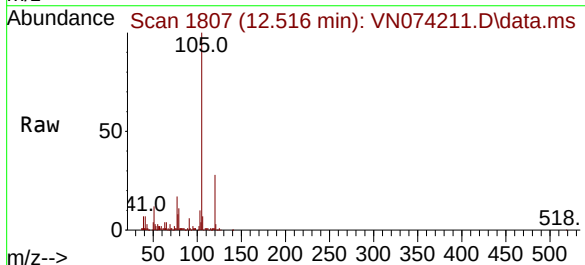
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1656-WATER

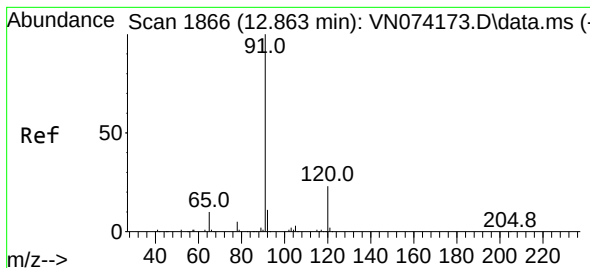
Tgt Ion:152 Resp: 212917
 Ion Ratio Lower Upper
 152 100
 115 79.2 28.9 86.7
 150 155.3 0.0 356.2



#73
 Isopropylbenzene
 Concen: 11.645 ug/l
 RT: 12.516 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VN074211.D
 Acq: 31 Aug 2022 13:56

Tgt Ion:105 Resp: 212337
 Ion Ratio Lower Upper
 105 100
 120 26.1 13.5 40.4





#78

n-propylbenzene

Concen: 13.715 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. -0.000 min

Lab File: VN074211.D

Acq: 31 Aug 2022 13:56

Instrument :

MSVOA_N

ClientSampleId :

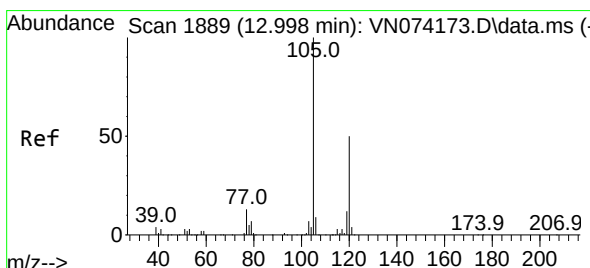
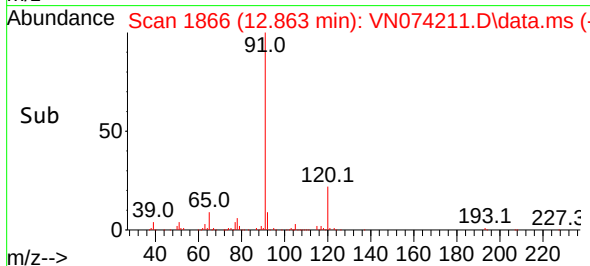
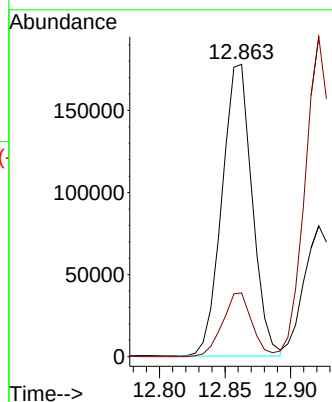
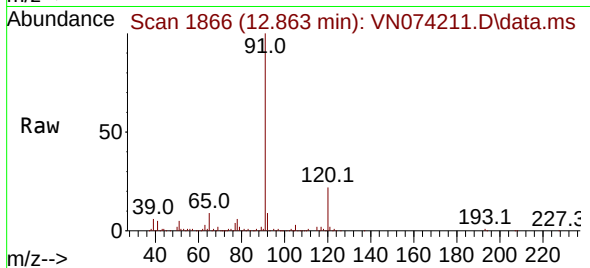
AUD-1656-WATER

Tgt Ion: 91 Resp: 285063

Ion Ratio Lower Upper

91 100

120 21.2 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 66.074 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN074211.D

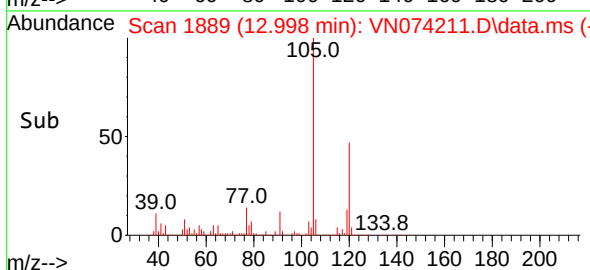
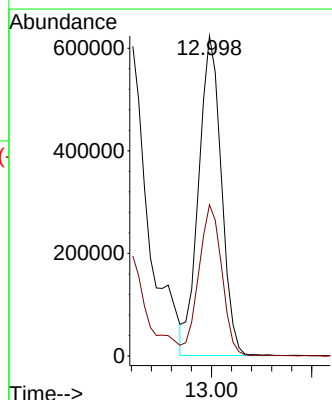
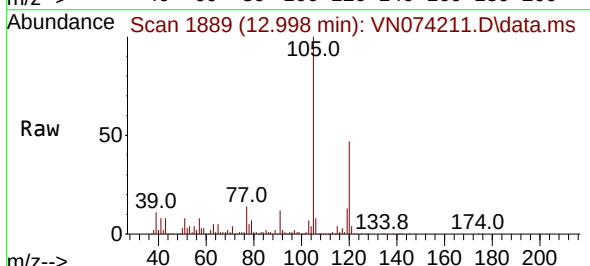
Acq: 31 Aug 2022 13:56

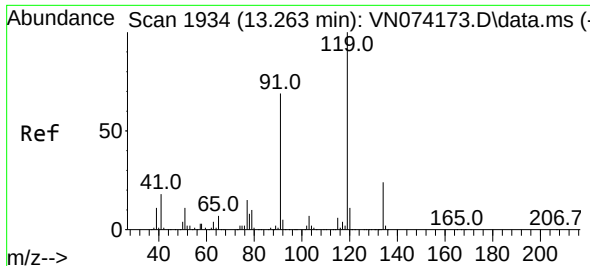
Tgt Ion: 105 Resp: 979846

Ion Ratio Lower Upper

105 100

120 48.0 24.9 74.7

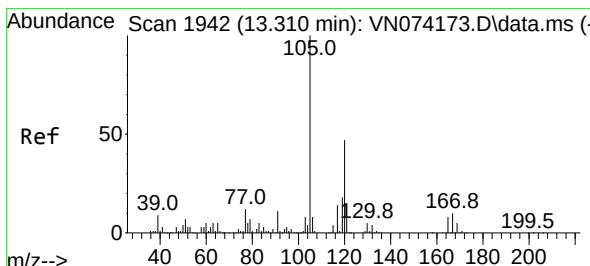
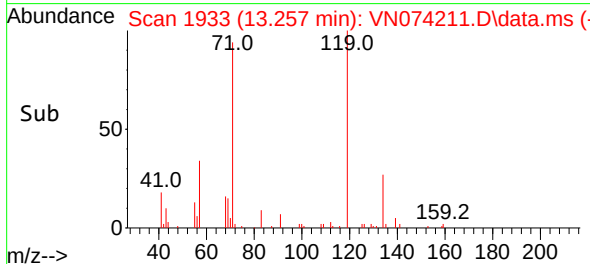
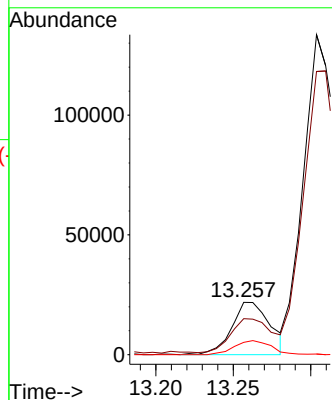
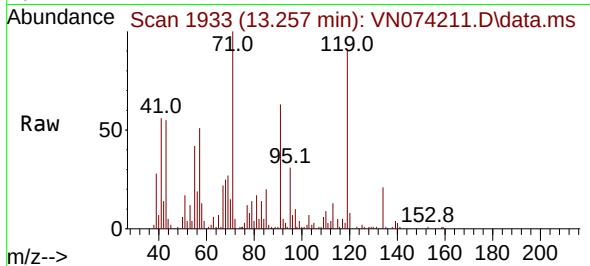




#83
tert-Butylbenzene
Concen: 2.964 ug/l
RT: 13.257 min Scan# 1933
Delta R.T. -0.006 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

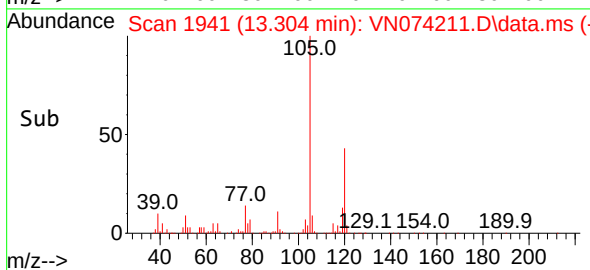
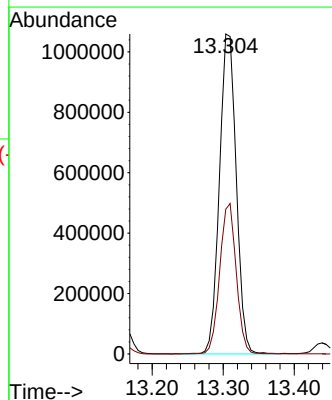
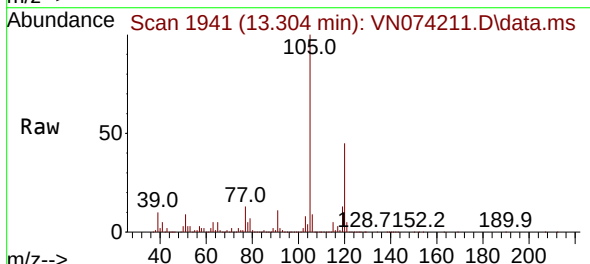
Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

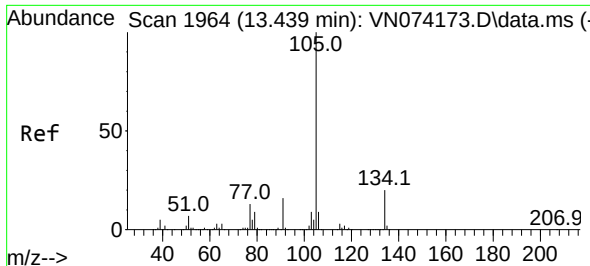
Tgt Ion:119 Resp: 37596
Ion Ratio Lower Upper
119 100
91 68.7 31.6 94.8
134 26.0 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 121.085 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion:105 Resp: 1732987
Ion Ratio Lower Upper
105 100
120 46.3 23.3 69.8

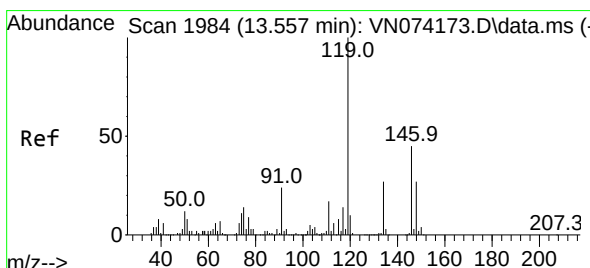
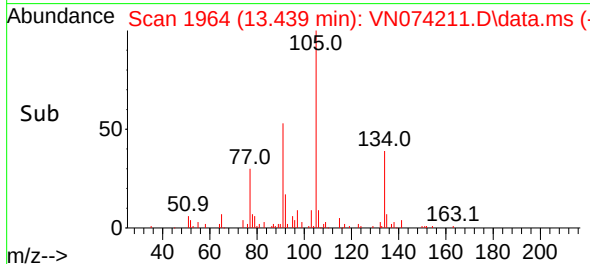
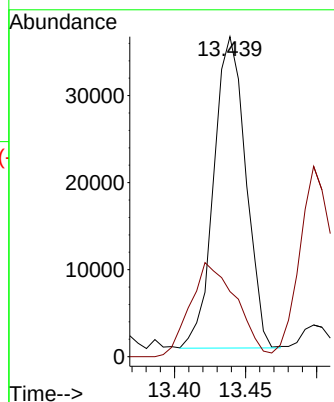
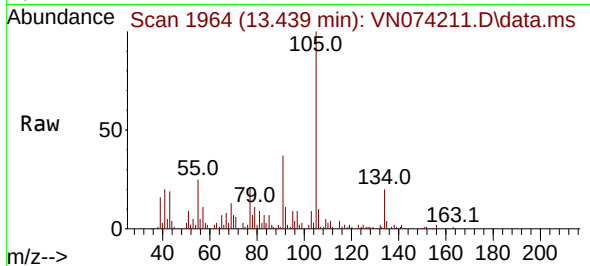




#85
 sec-Butylbenzene
 Concen: 3.158 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VN074211.D
 Acq: 31 Aug 2022 13:56

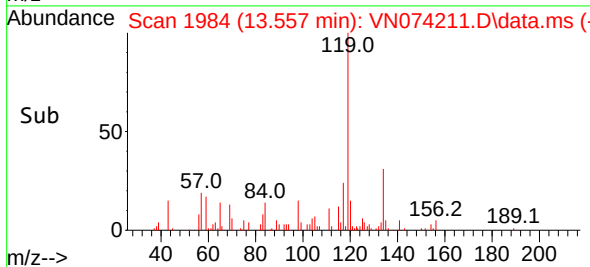
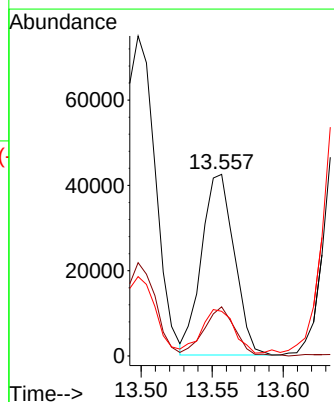
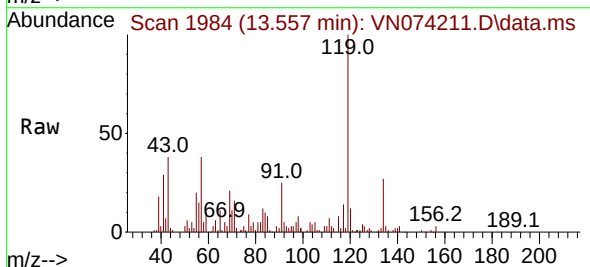
Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1656-WATER

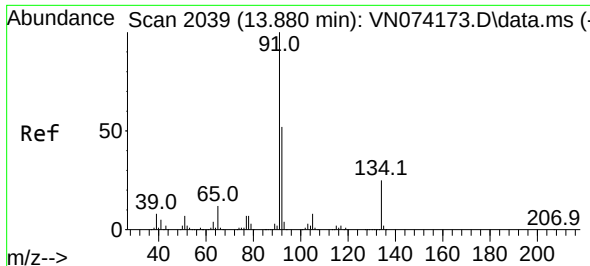
Tgt Ion:105 Resp: 56190
 Ion Ratio Lower Upper
 105 100
 134 43.3 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 4.909 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN074211.D
 Acq: 31 Aug 2022 13:56

Tgt Ion:119 Resp: 67972
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 23.1 11.3 33.9

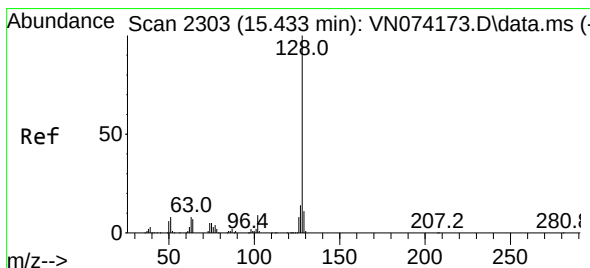
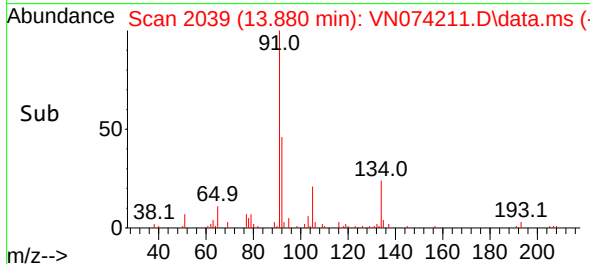
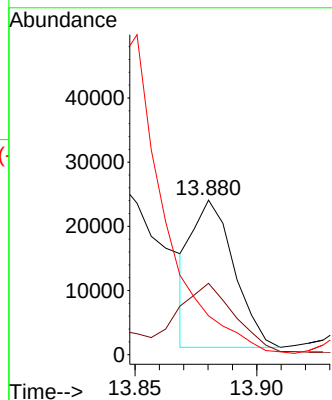
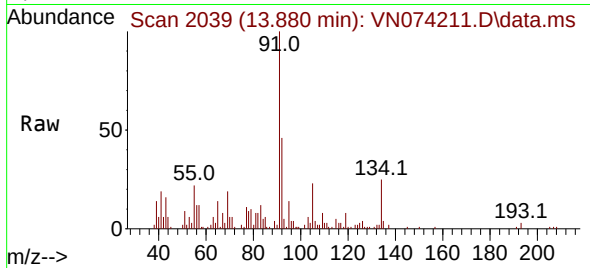




#89
n-Butylbenzene
Concen: 2.264 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Instrument :
MSVOA_N
ClientSampleId :
AUD-1656-WATER

Tgt Ion: 91 Resp: 27306
Ion Ratio Lower Upper
91 100
92 68.8 26.9 80.7
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 41.917 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074211.D
Acq: 31 Aug 2022 13:56

Tgt Ion: 128 Resp: 674155
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.4 8.6 13.0

