

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073046.D
 Acq On : 23 Jun 2022 14:14
 Operator : JC\MD
 Sample : N3422-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-12

Quant Time: Jun 24 01:18:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

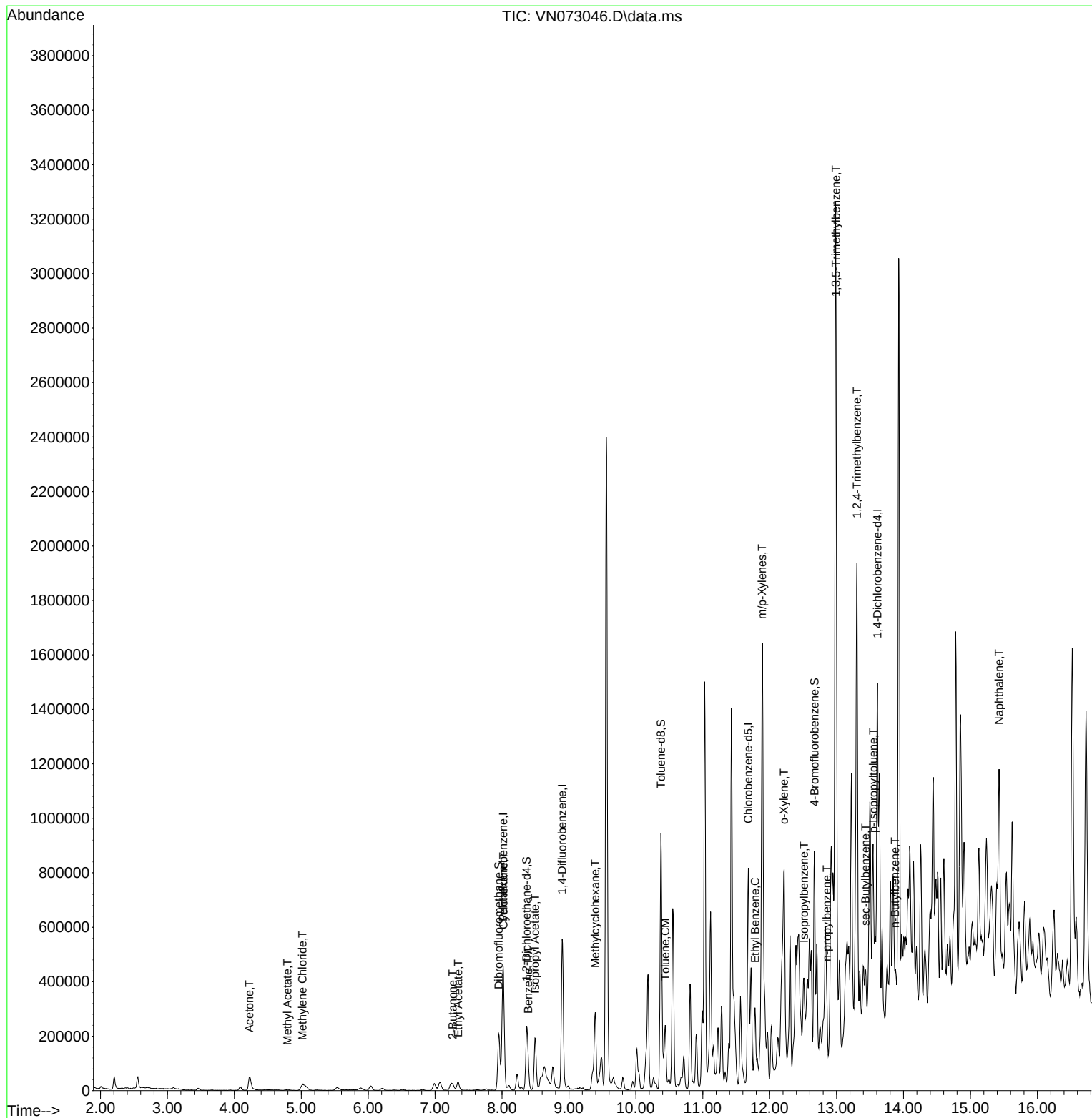
Internal Standards						
1) Pentafluorobenzene	8.016	168	298120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	487749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	436603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	226222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	180298	44.733	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.460%		
35) Dibromofluoromethane	7.951	113	151454	50.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.480%		
50) Toluene-d8	10.375	98	517813	46.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.320%		
62) 4-Bromofluorobenzene	12.669	95	231086	57.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.580%		
Target Compounds						
					Qvalue	
16) Acetone	4.222	43	95602	43.151	ug/l	95
18) Methyl Acetate	4.793	43	7698	1.305	ug/l #	88
20) Methylene Chloride	5.016	84	16146	4.478	ug/l	96
25) 2-Butanone	7.263	43	28258	8.038	ug/l #	84
31) Cyclohexane	8.022	56	42033	7.710	ug/l #	88
37) Ethyl Acetate	7.345	43	48584	7.446	ug/l	99
39) Methylcyclohexane	9.392	83	116256	23.644	ug/l	89
40) Benzene	8.392	78	46889	3.657	ug/l	98
43) Isopropyl Acetate	8.492	43	200309	21.476	ug/l #	87
52) Toluene	10.439	92	95690	12.157	ug/l	99
67) Ethyl Benzene	11.780	91	167310	11.147	ug/l	98
68) m/p-Xylenes	11.886	106	257379	43.719	ug/l	98
69) o-Xylene	12.216	106	166813	28.357	ug/l	97
73) Isopropylbenzene	12.516	105	76243	4.356	ug/l	97
78) n-propylbenzene	12.857	91	131392	6.825	ug/l	97
80) 1,3,5-Trimethylbenzene	12.992	105	348446	24.239	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	891663	62.274	ug/l	98
85) sec-Butylbenzene	13.433	105	68169	3.881	ug/l #	72
86) p-Isopropyltoluene	13.551	119	144391	10.154	ug/l	99
89) n-Butylbenzene	13.874	91	64450	5.551	ug/l #	74
95) Naphthalene	15.427	128	648811	37.126	ug/l	98

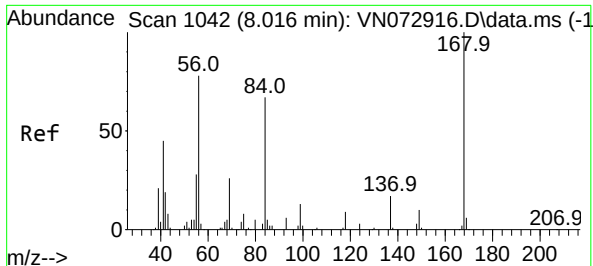
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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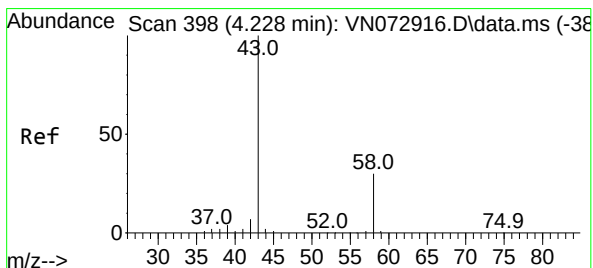
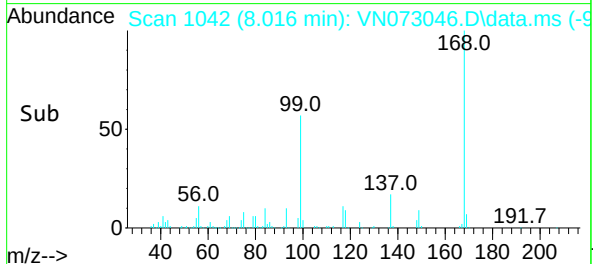
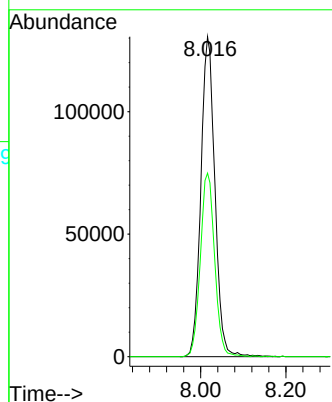
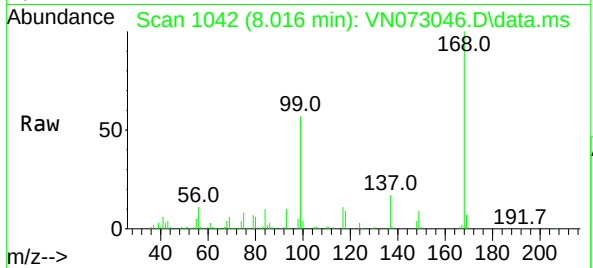




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

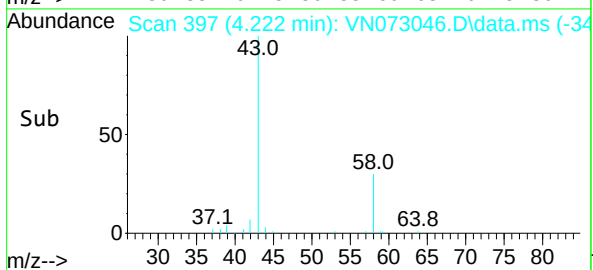
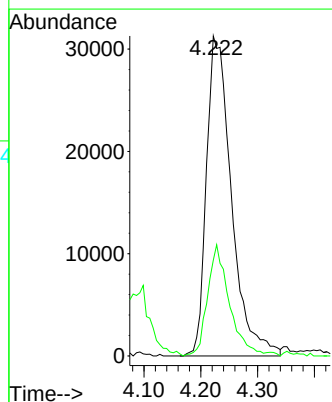
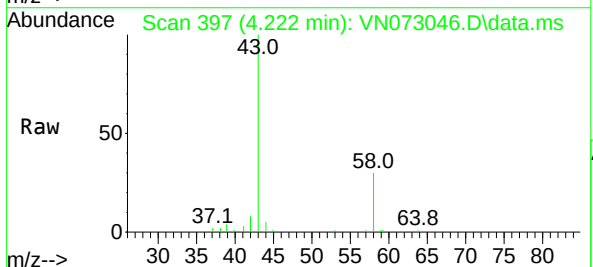
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

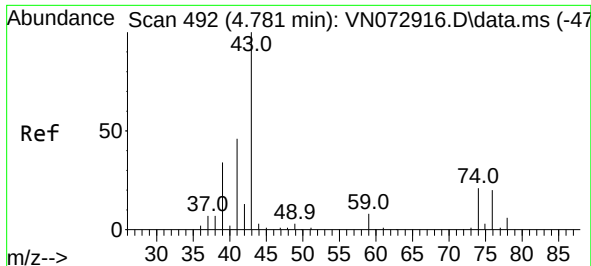
Tgt Ion:168 Resp: 298120
Ion Ratio Lower Upper
168 100
99 57.4 42.3 63.5



#16
Acetone
Concen: 43.151 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.006 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion: 43 Resp: 95602
Ion Ratio Lower Upper
43 100
58 30.0 26.0 39.0

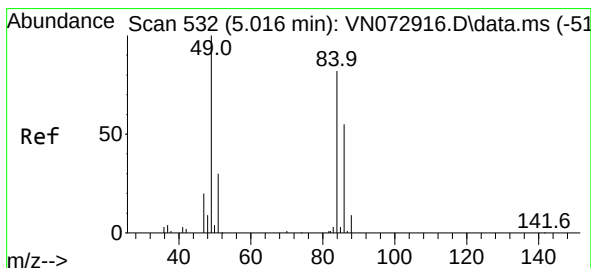
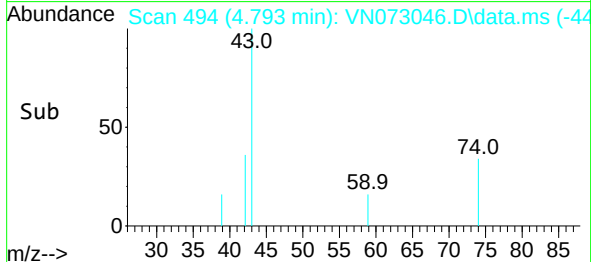
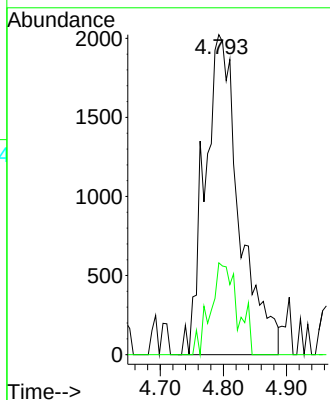
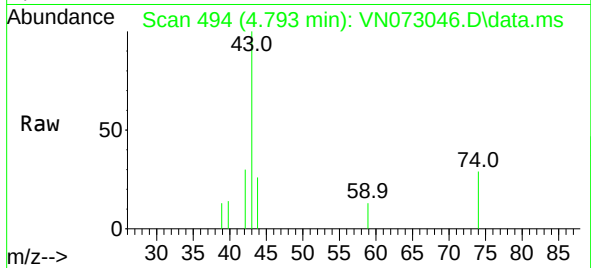




#18
Methyl Acetate
Concen: 1.305 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

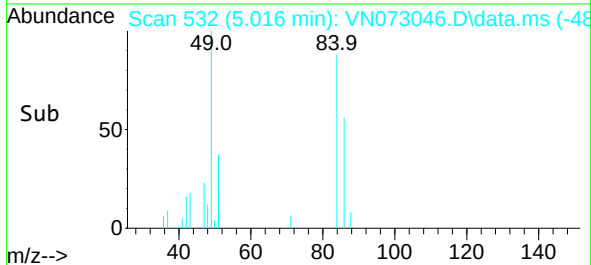
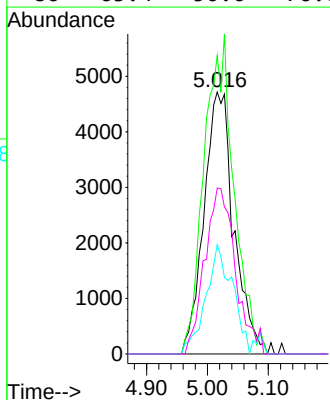
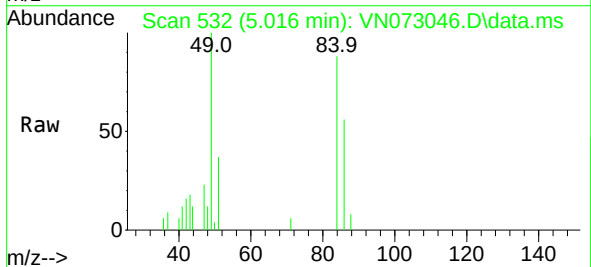
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

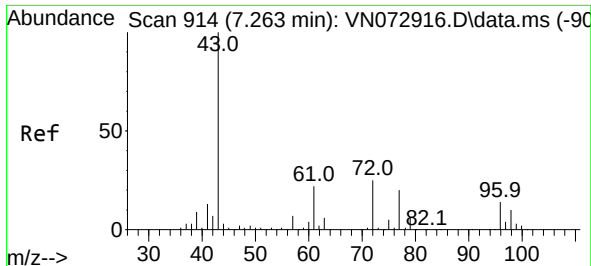
Tgt Ion: 43 Resp: 7698
Ion Ratio Lower Upper
43 100
74 20.8 21.6 32.4#



#20
Methylene Chloride
Concen: 4.478 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion: 84 Resp: 16146
Ion Ratio Lower Upper
84 100
49 114.0 88.3 132.5
51 41.7 28.2 42.2
86 63.4 50.6 76.0





#25

2-Butanone

Concen: 8.038 ug/l

RT: 7.263 min Scan# 914

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

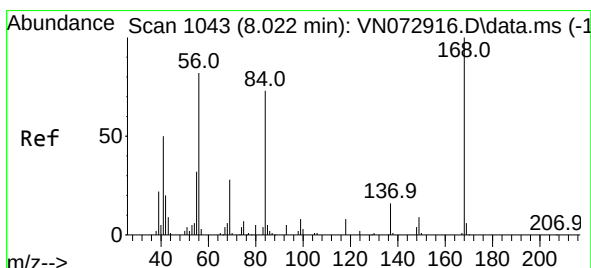
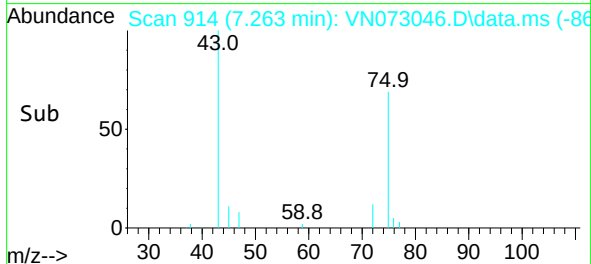
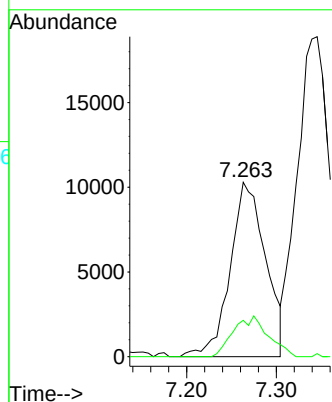
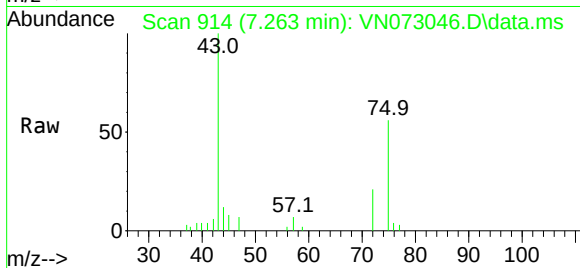
WC-14A-1A-12

Tgt Ion: 43 Resp: 28258

Ion Ratio Lower Upper

43 100

72 20.9 23.7 35.5#



#31

Cyclohexane

Concen: 7.710 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

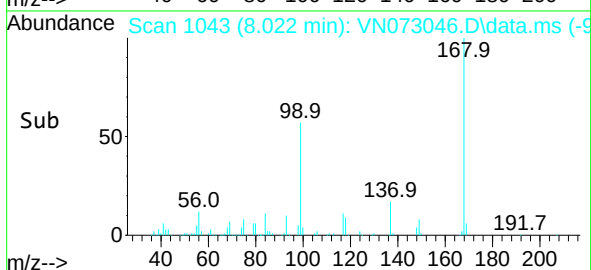
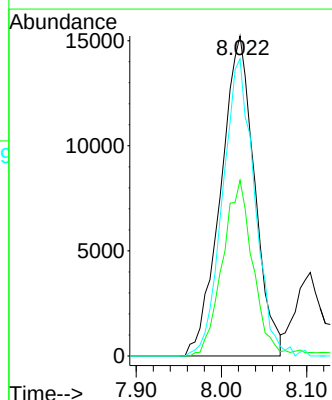
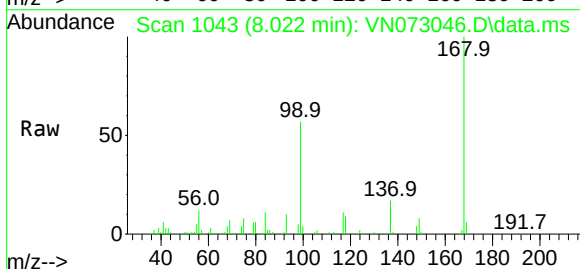
Tgt Ion: 56 Resp: 42033

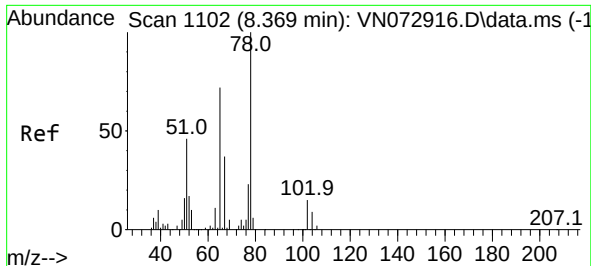
Ion Ratio Lower Upper

56 100

69 54.9 27.8 41.8#

84 92.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.733 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

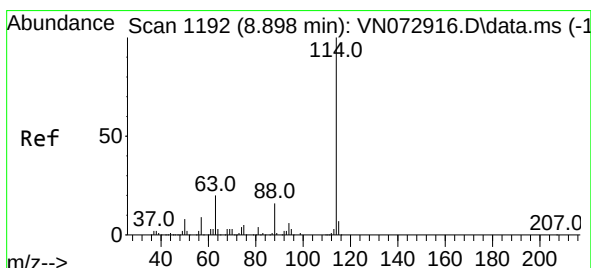
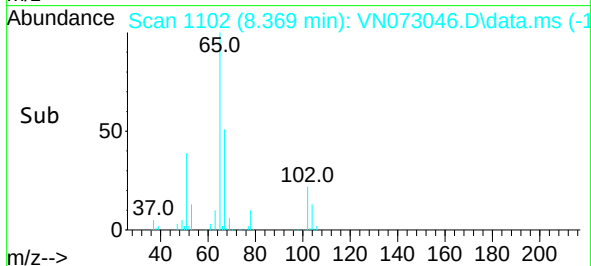
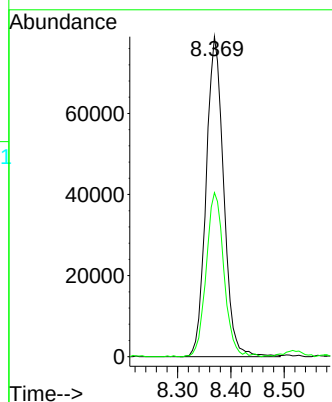
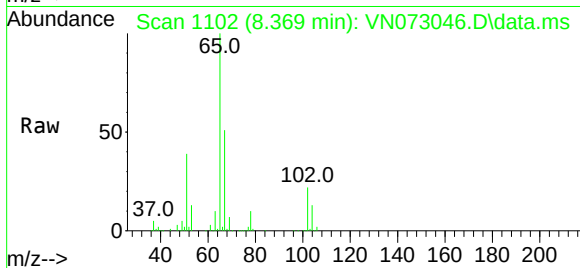
WC-14A-1A-12

Tgt Ion: 65 Resp: 180298

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

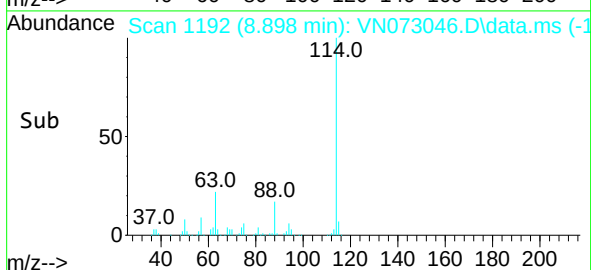
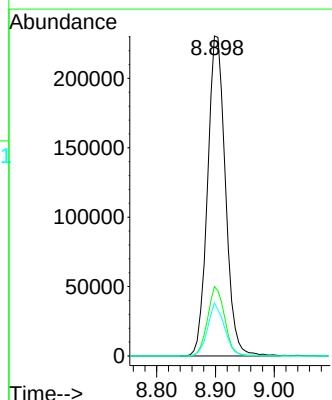
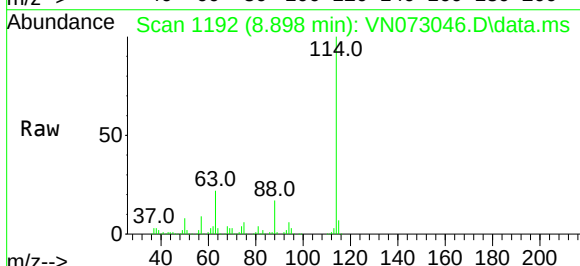
Tgt Ion: 114 Resp: 487749

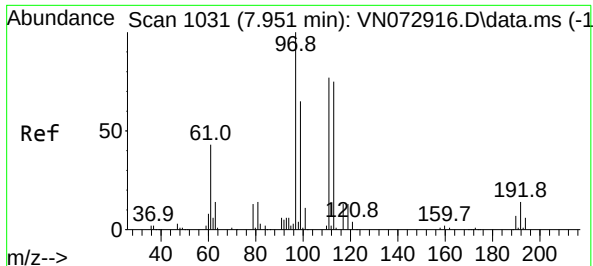
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 16.6 0.0 32.6

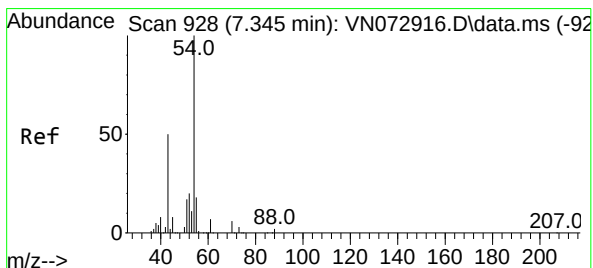
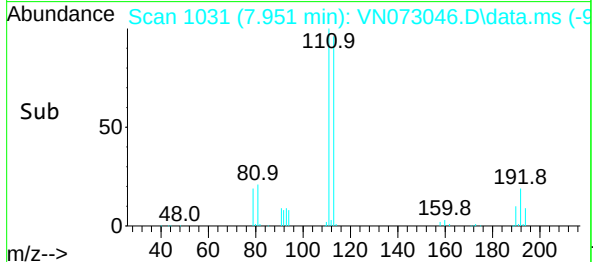
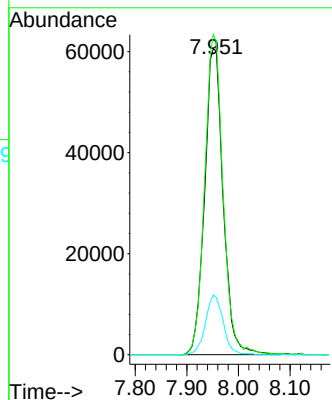
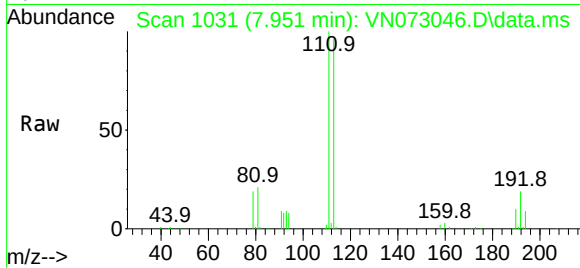




#35
Dibromofluoromethane
Concen: 50.238 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

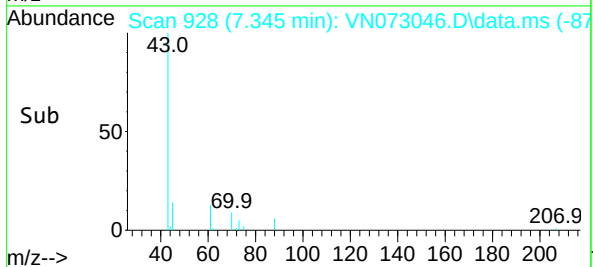
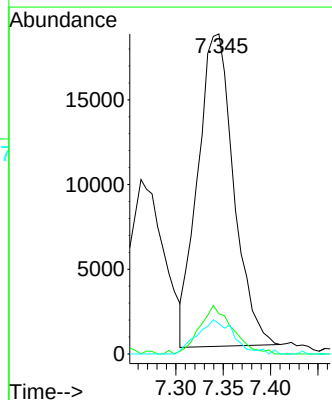
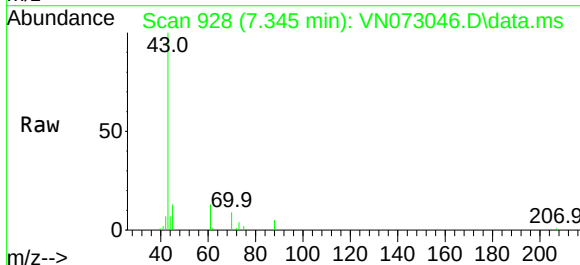
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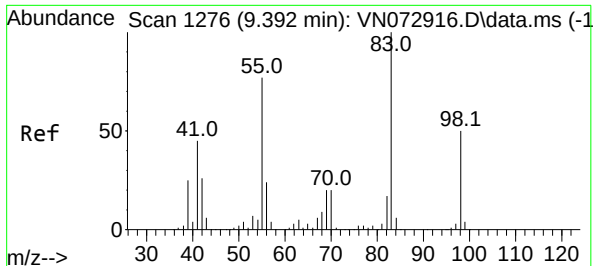
Tgt Ion:113 Resp: 151454
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 18.7 17.0 25.6



#37
Ethyl Acetate
Concen: 7.446 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion: 43 Resp: 48584
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 11.2 9.3 13.9





#39

Methylcyclohexane

Concen: 23.644 ug/l

RT: 9.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-12

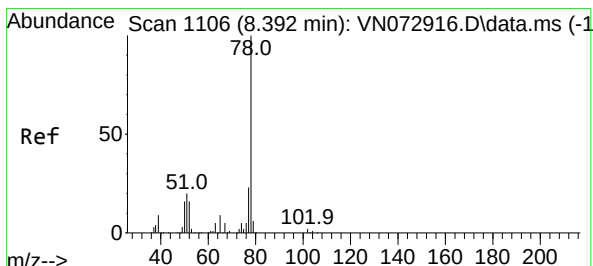
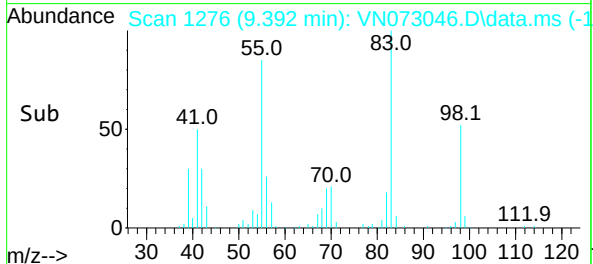
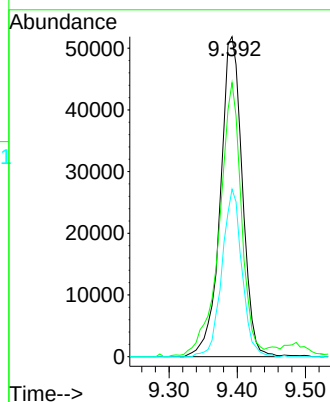
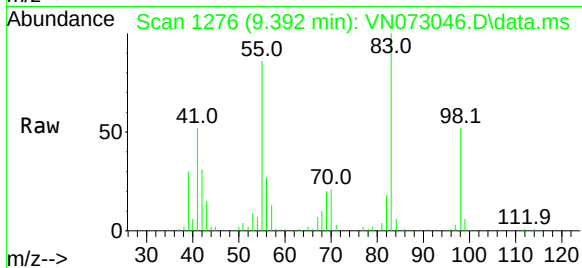
Tgt Ion: 83 Resp: 116256

Ion Ratio Lower Upper

83 100

55 85.2 57.8 86.8

98 52.4 39.4 59.2



#40

Benzene

Concen: 3.657 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073046.D

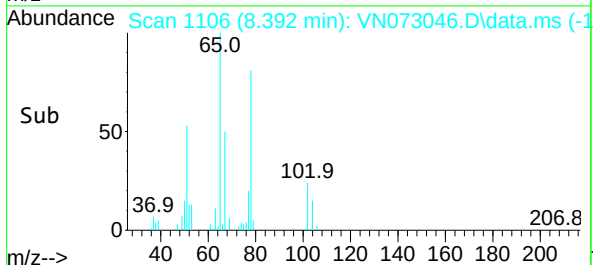
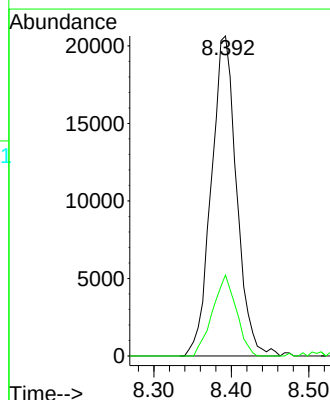
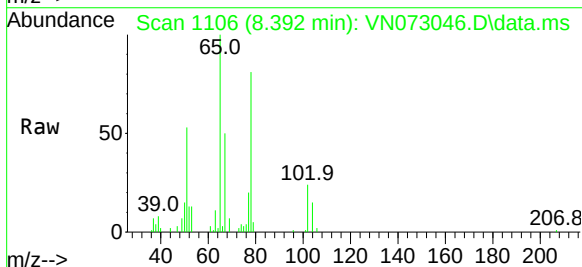
Acq: 23 Jun 2022 14:14

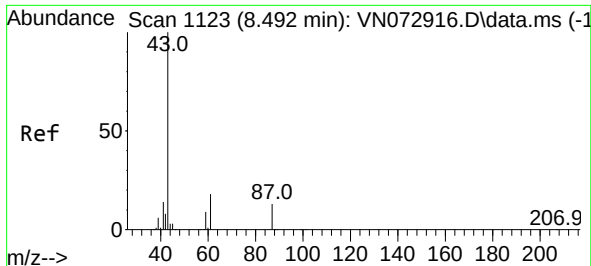
Tgt Ion: 78 Resp: 46889

Ion Ratio Lower Upper

78 100

77 25.3 19.4 29.0

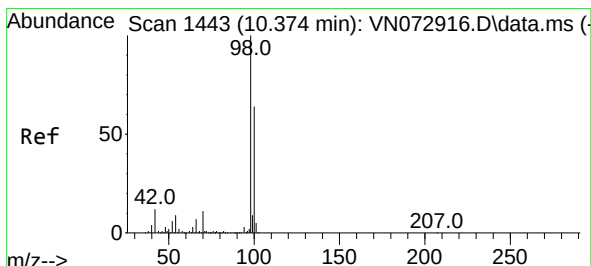
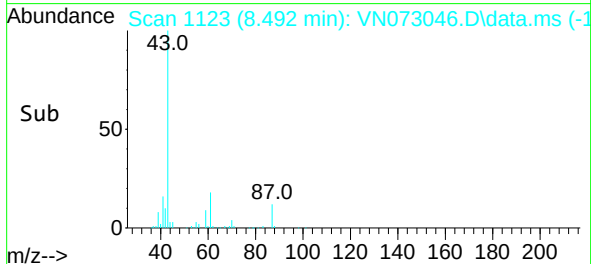
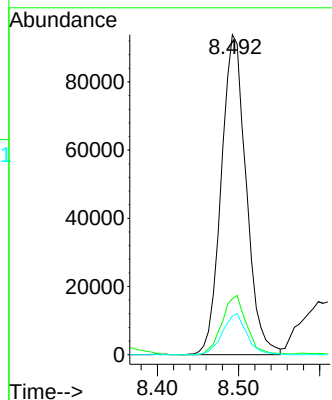
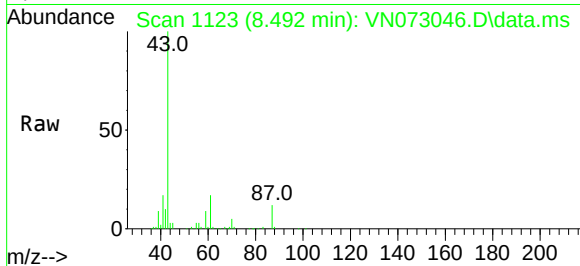




#43
Isopropyl Acetate
Concen: 21.476 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

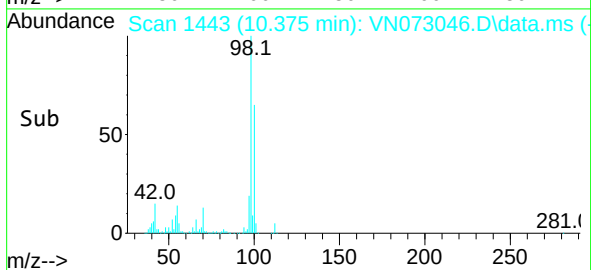
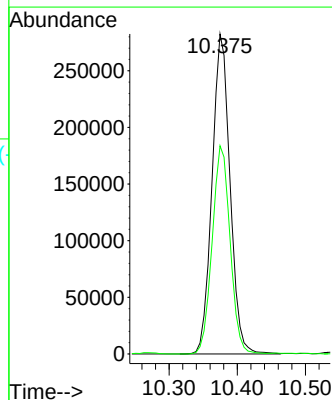
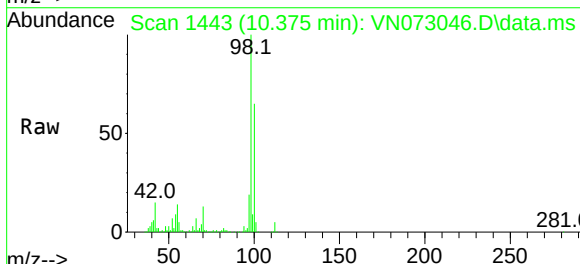
Instrument :
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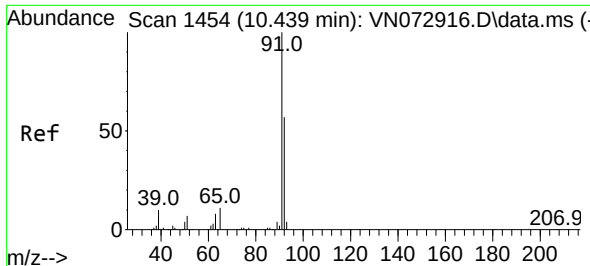
Tgt Ion: 43 Resp: 200309
Ion Ratio Lower Upper
43 100
61 18.3 21.9 32.9#
87 12.4 12.0 18.0



#50
Toluene-d8
Concen: 46.160 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion: 98 Resp: 517813
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

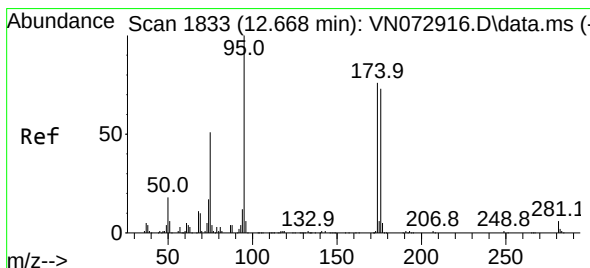
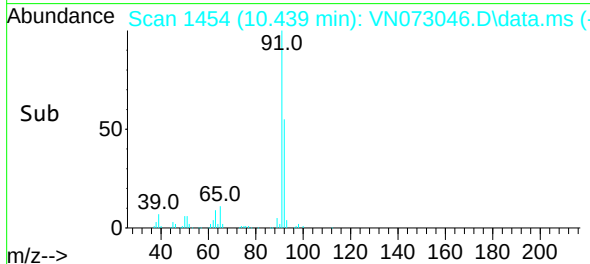
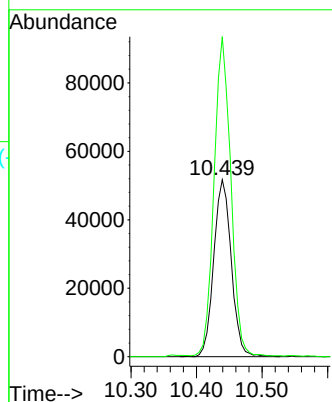
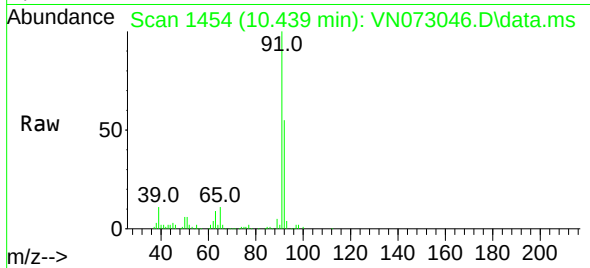




#52
Toluene
Concen: 12.157 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

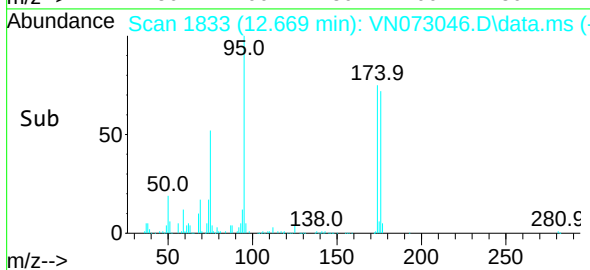
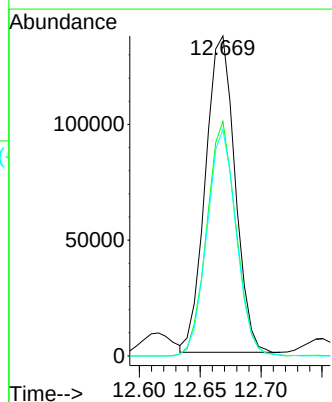
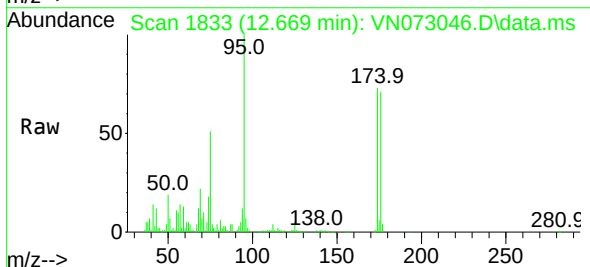
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

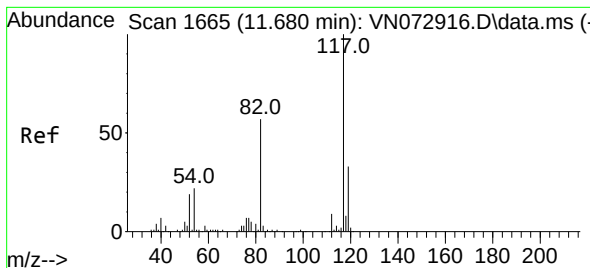
Tgt Ion: 92 Resp: 95690
Ion Ratio Lower Upper
92 100
91 172.4 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 57.288 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion: 95 Resp: 231086
Ion Ratio Lower Upper
95 100
174 73.3 0.0 167.6
176 71.0 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-12

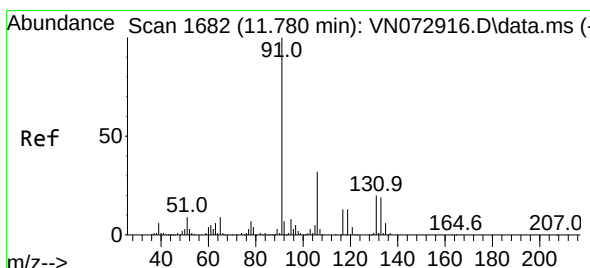
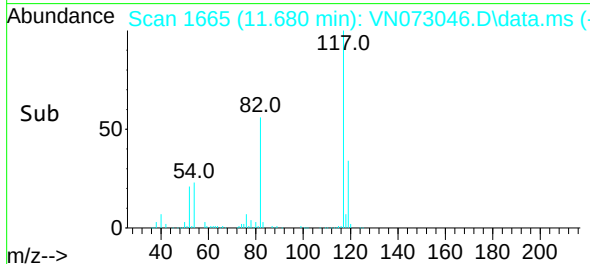
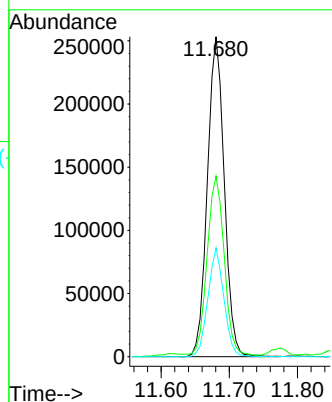
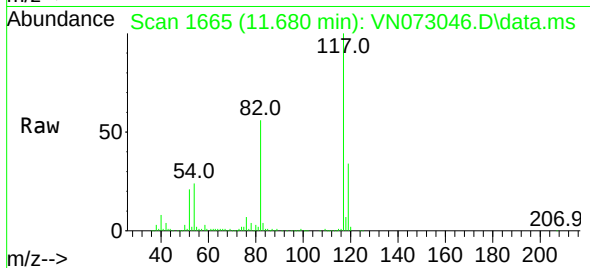
Tgt Ion:117 Resp: 436603

Ion Ratio Lower Upper

117 100

82 55.7 44.2 66.2

119 34.0 25.4 38.0



#67

Ethyl Benzene

Concen: 11.147 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN073046.D

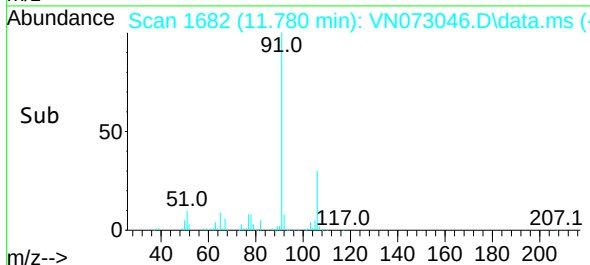
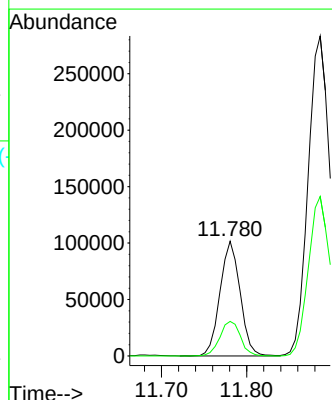
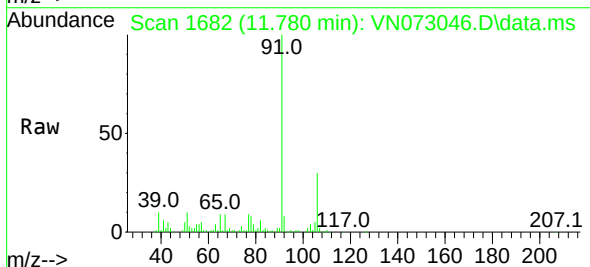
Acq: 23 Jun 2022 14:14

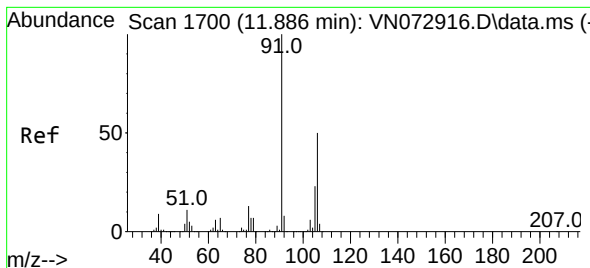
Tgt Ion: 91 Resp: 167310

Ion Ratio Lower Upper

91 100

106 30.1 24.9 37.3

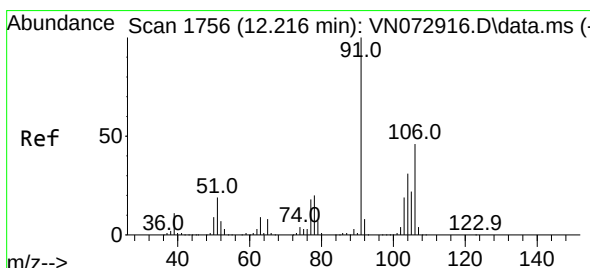
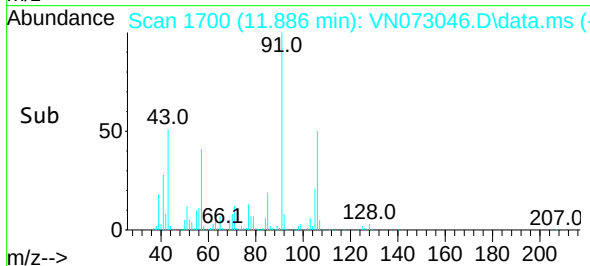
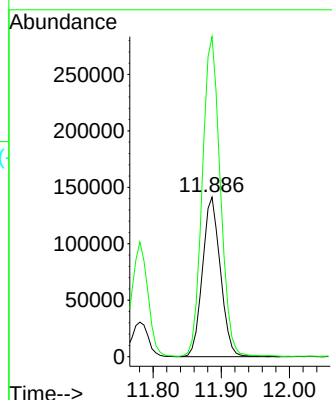
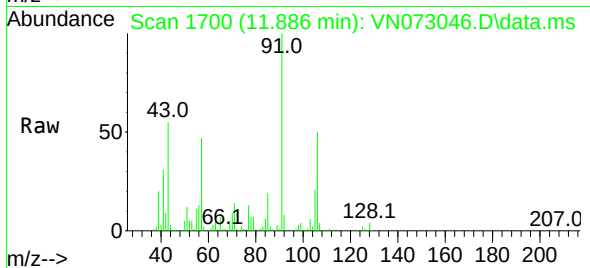




#68
m/p-Xylenes
Concen: 43.719 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

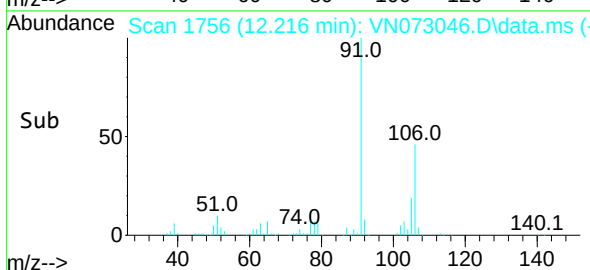
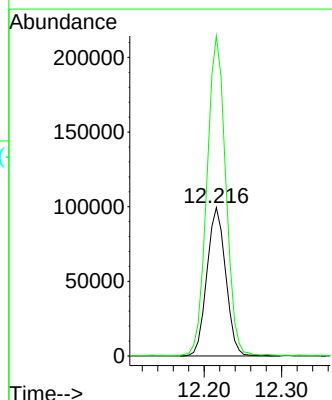
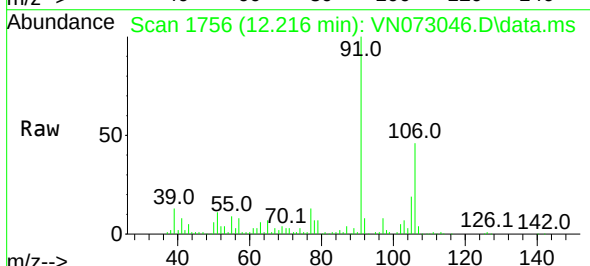
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

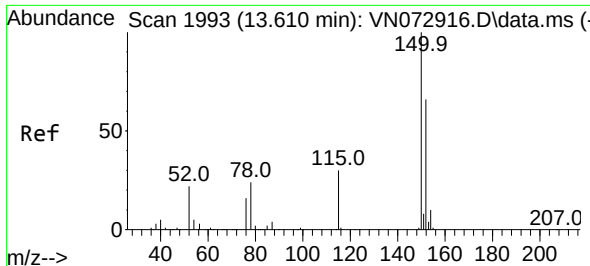
Tgt Ion:106 Resp: 257379
Ion Ratio Lower Upper
106 100
91 201.3 158.9 238.3



#69
o-Xylene
Concen: 28.357 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion:106 Resp: 166813
Ion Ratio Lower Upper
106 100
91 216.3 106.0 318.0

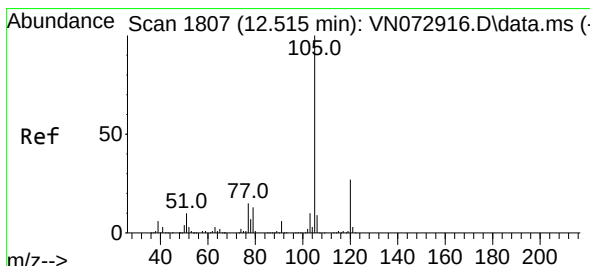
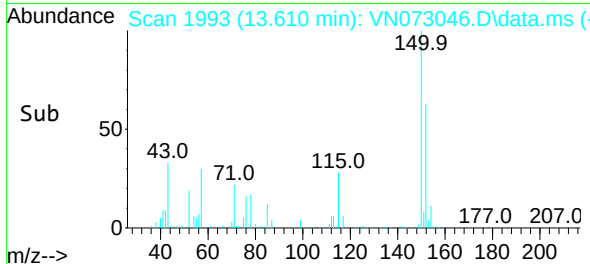
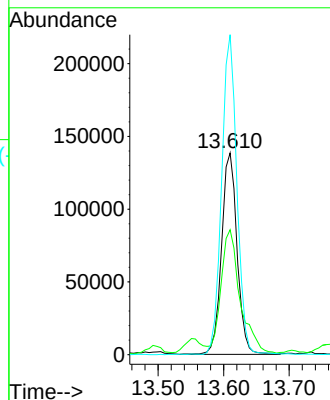
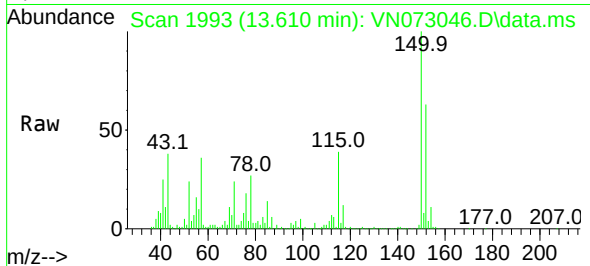




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

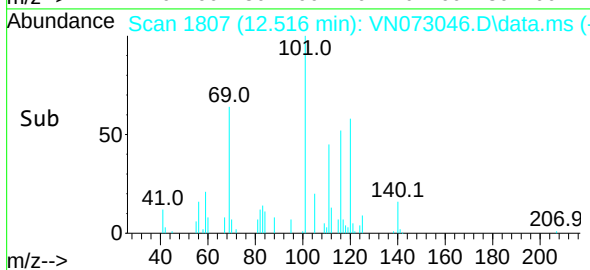
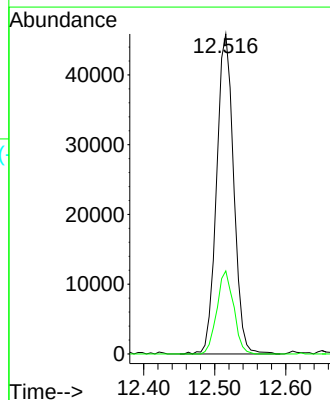
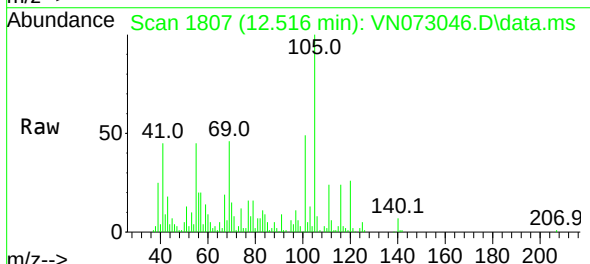
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

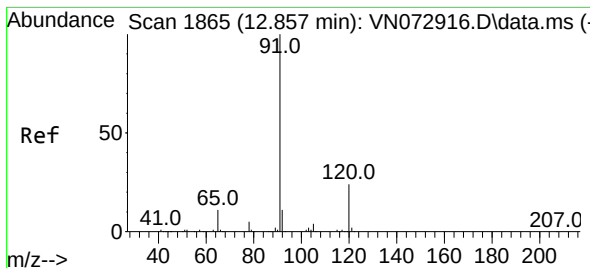
Tgt Ion:152 Resp: 226222
Ion Ratio Lower Upper
152 100
115 75.2 28.9 86.7
150 155.8 0.0 356.2



#73
Isopropylbenzene
Concen: 4.356 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion:105 Resp: 76243
Ion Ratio Lower Upper
105 100
120 25.5 13.5 40.4





#78

n-propylbenzene

Concen: 6.825 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

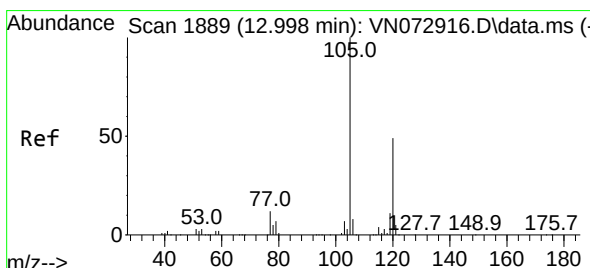
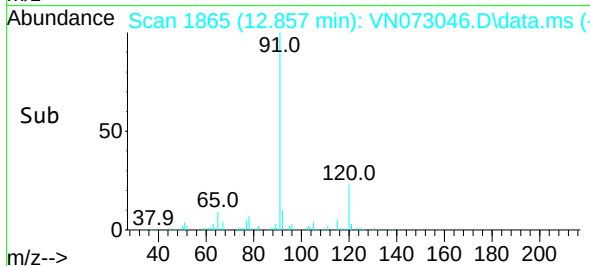
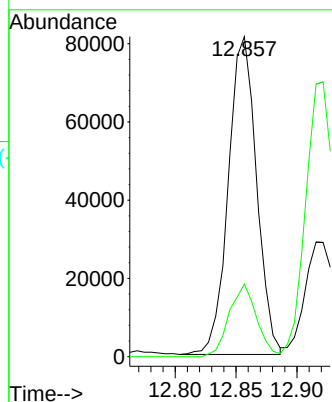
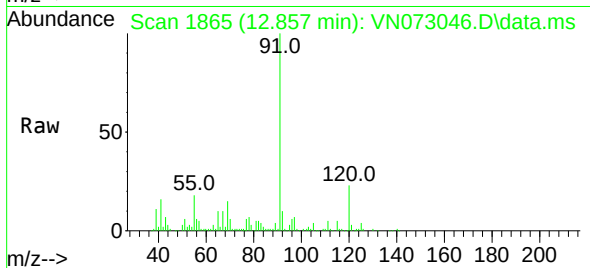
WC-14A-1A-12

Tgt Ion: 91 Resp: 131392

Ion Ratio Lower Upper

91 100

120 22.2 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 24.239 ug/l

RT: 12.992 min Scan# 1888

Delta R.T. -0.006 min

Lab File: VN073046.D

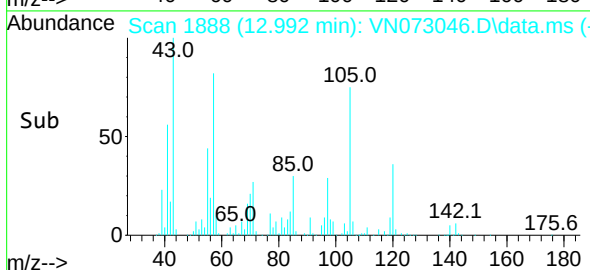
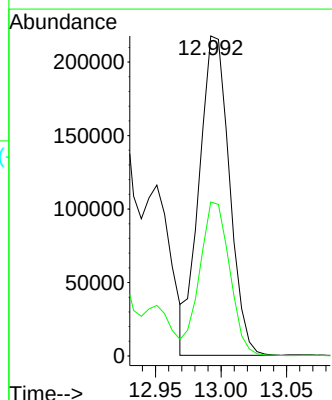
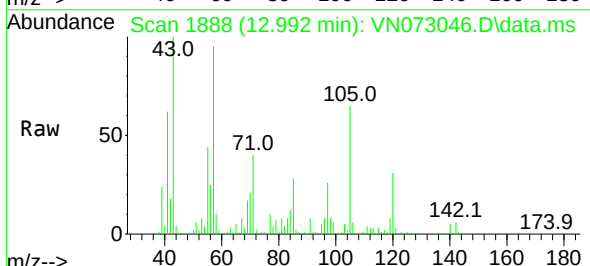
Acq: 23 Jun 2022 14:14

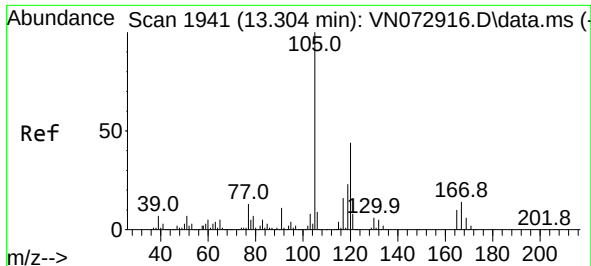
Tgt Ion: 105 Resp: 348446

Ion Ratio Lower Upper

105 100

120 47.8 24.9 74.7

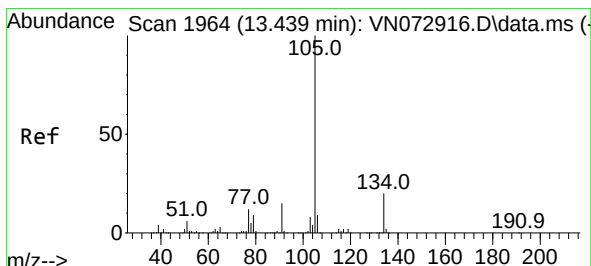
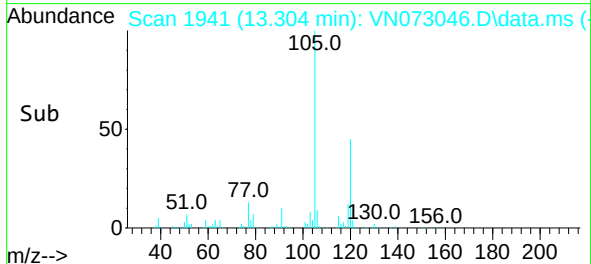
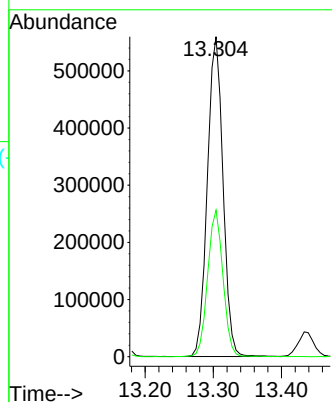
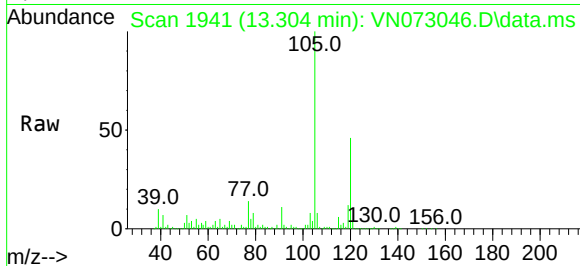




#84
1,2,4-Trimethylbenzene
Concen: 62.274 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

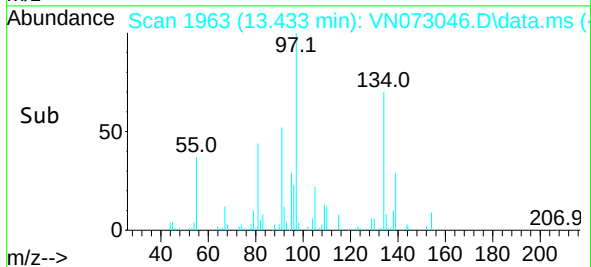
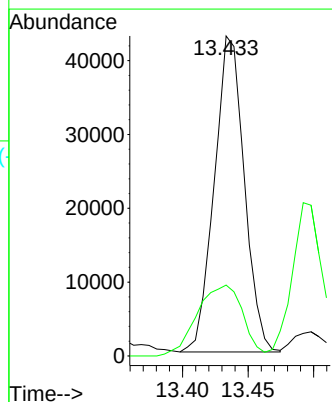
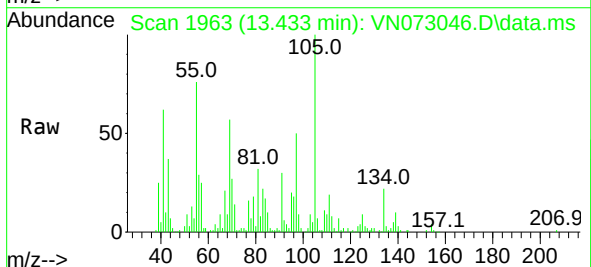
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

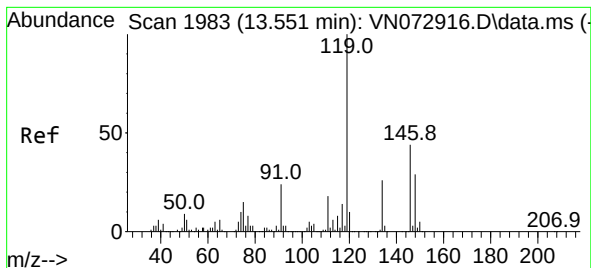
Tgt Ion:105 Resp: 891663
Ion Ratio Lower Upper
105 100
120 45.0 23.3 69.8



#85
sec-Butylbenzene
Concen: 3.881 ug/l
RT: 13.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Tgt Ion:105 Resp: 68169
Ion Ratio Lower Upper
105 100
134 33.9 10.4 31.1#





#86

p-Isopropyltoluene

Concen: 10.154 ug/l

RT: 13.551 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-12

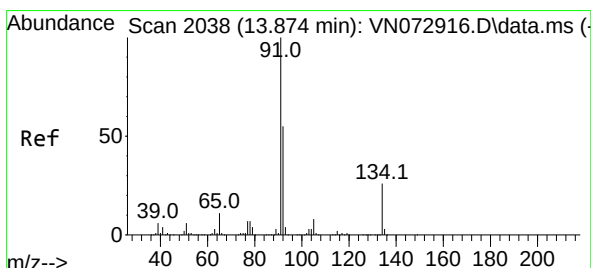
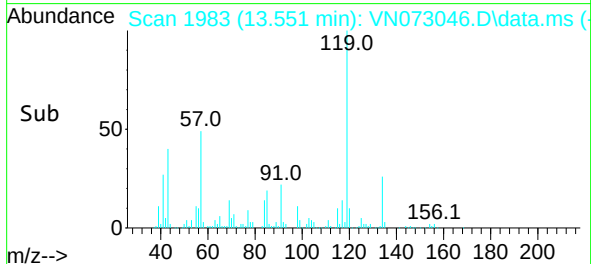
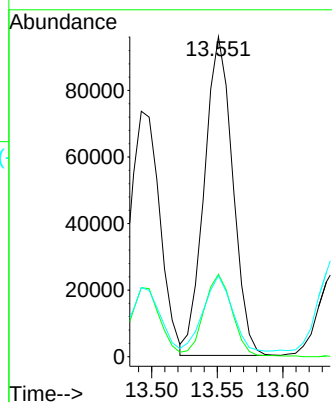
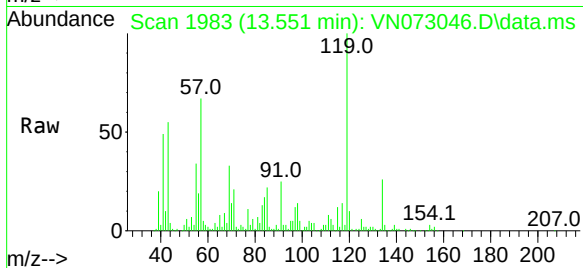
Tgt Ion:119 Resp: 144391

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 23.5 11.3 33.9



#89

n-Butylbenzene

Concen: 5.551 ug/l

RT: 13.874 min Scan# 2038

Delta R.T. 0.000 min

Lab File: VN073046.D

Acq: 23 Jun 2022 14:14

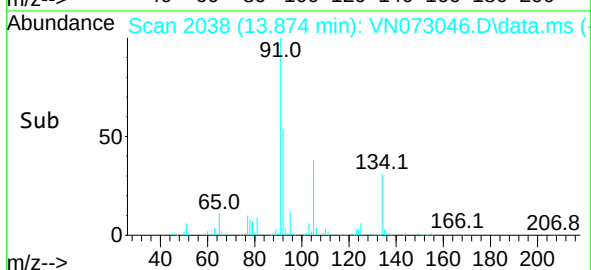
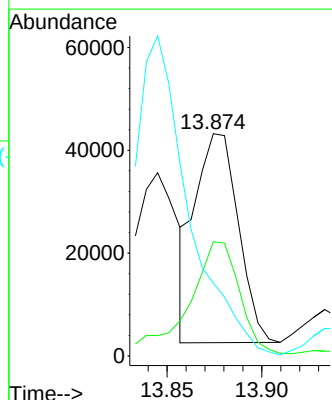
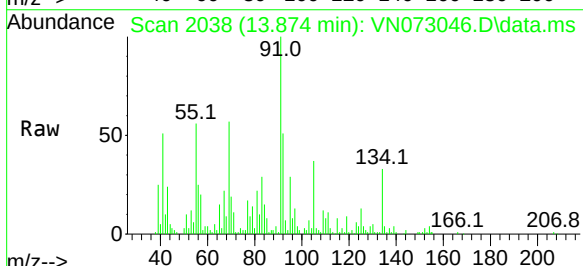
Tgt Ion: 91 Resp: 64450

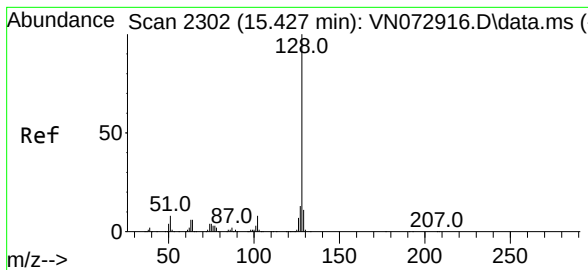
Ion Ratio Lower Upper

91 100

92 62.4 26.9 80.7

134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 37.126 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073046.D
Acq: 23 Jun 2022 14:14

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-12

Tgt Ion:128 Resp: 648811
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.7 8.6 13.0

