

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073055.D
 Acq On : 23 Jun 2022 17:53
 Operator : JC\MD
 Sample : N3431-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14B-2-5

Quant Time: Jun 24 01:20:10 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)

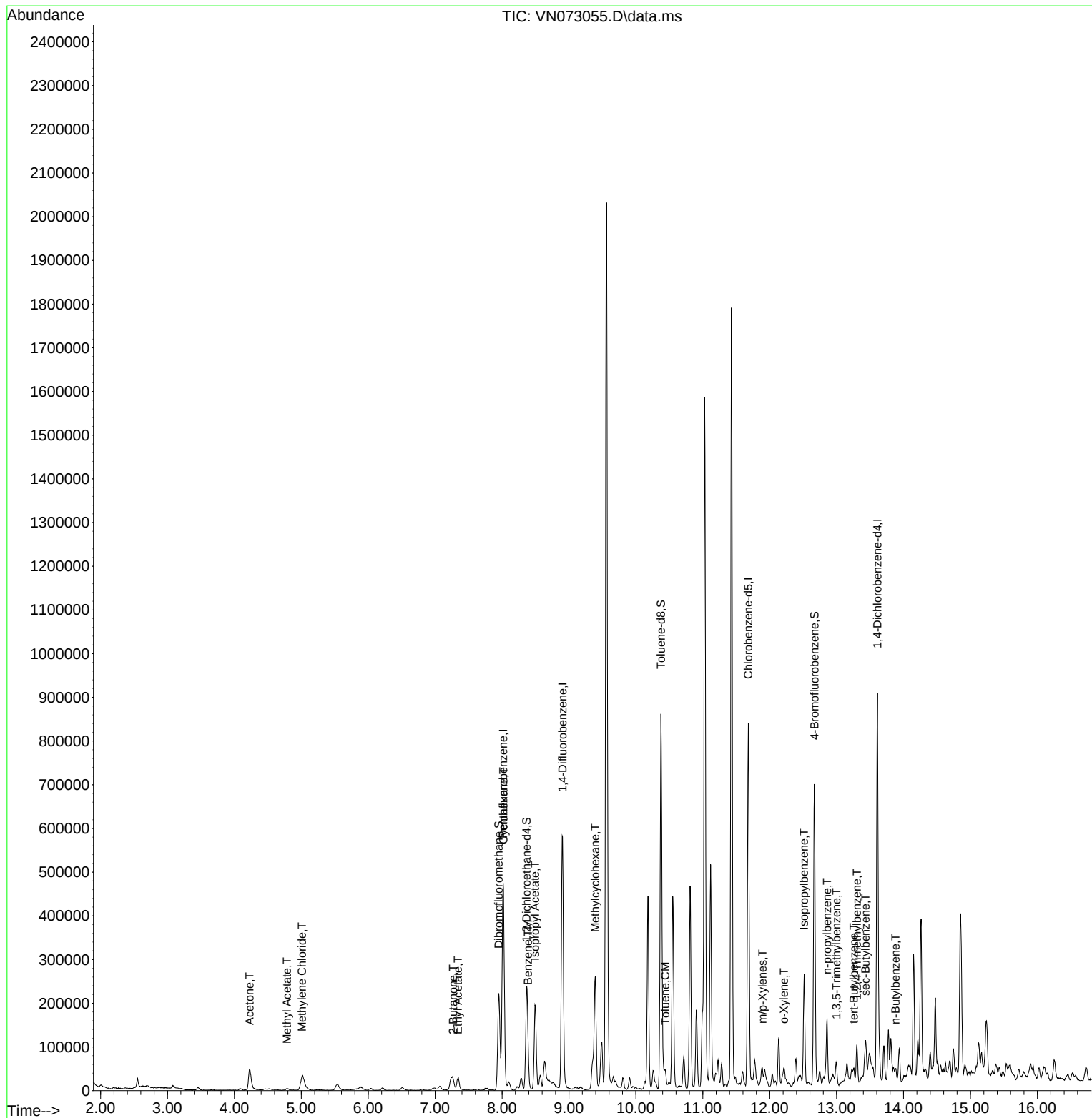
Internal Standards						
1) Pentafluorobenzene	8.016	168	316891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	518882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	466564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	236215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	192152	44.850	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.700%		
35) Dibromofluoromethane	7.951	113	164172	51.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.380%		
50) Toluene-d8	10.374	98	536454	44.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.900%		
62) 4-Bromofluorobenzene	12.668	95	236823	55.187	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.380%		
Target Compounds					Qvalue	
16) Acetone	4.228	43	90060	38.241	ug/l	93
18) Methyl Acetate	4.787	43	8689	1.386	ug/l #	80
20) Methylene Chloride	5.010	84	24983	6.630	ug/l	95
25) 2-Butanone	7.269	43	35119	9.397	ug/l	91
31) Cyclohexane	8.022	56	40304	6.955	ug/l #	89
37) Ethyl Acetate	7.339	43	45678	6.581	ug/l	95
39) Methylcyclohexane	9.392	83	112436	21.495	ug/l	96
40) Benzene	8.386	78	16789	1.231	ug/l	95
43) Isopropyl Acetate	8.492	43	199413	20.097	ug/l #	87
52) Toluene	10.439	92	16386	1.957	ug/l	99
68) m/p-Xylenes	11.892	106	14467	2.300	ug/l	100
69) o-Xylene	12.215	106	9548	1.519	ug/l	93
73) Isopropylbenzene	12.515	105	162273	8.880	ug/l	98
78) n-propylbenzene	12.857	91	115649	5.753	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	17887	1.192	ug/l	99
83) tert-Butylbenzene	13.257	119	16118	1.172	ug/l	93
84) 1,2,4-Trimethylbenzene	13.304	105	47782	3.196	ug/l	94
85) sec-Butylbenzene	13.433	105	54537	2.974	ug/l	80
89) n-Butylbenzene	13.880	91	12908	1.065	ug/l #	75

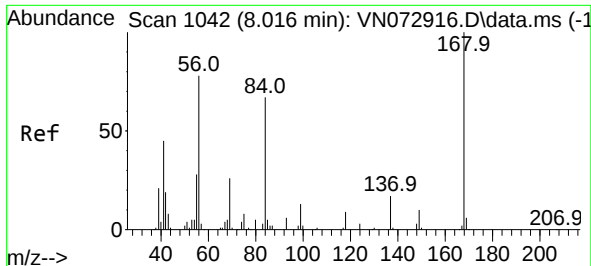
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
Data File : VN073055.D
Acq On : 23 Jun 2022 17:53
Operator : JC\MD
Sample : N3431-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

Quant Time: Jun 24 01:20:10 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

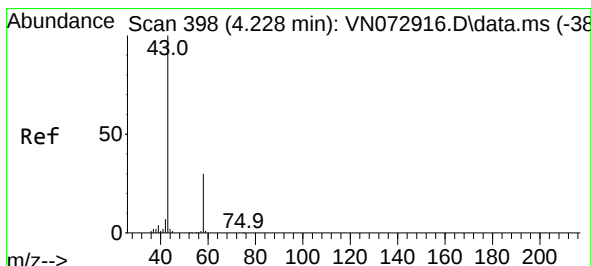
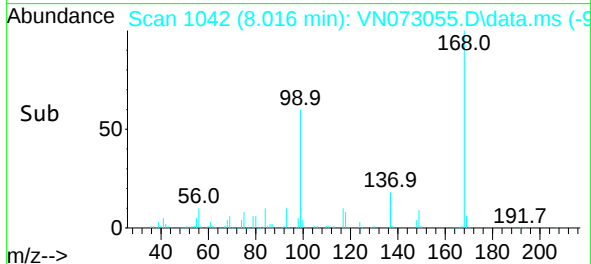
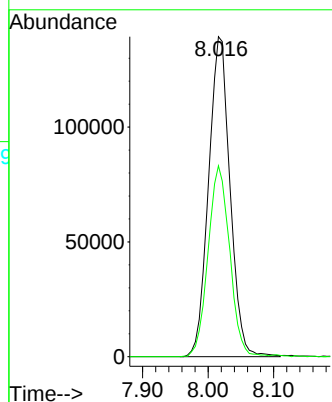
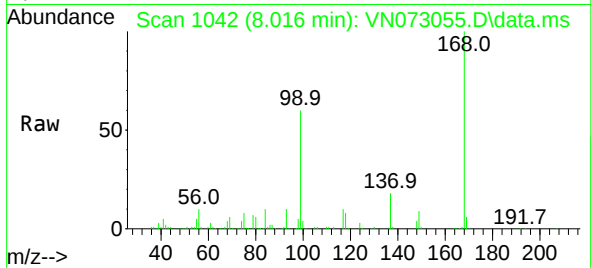




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

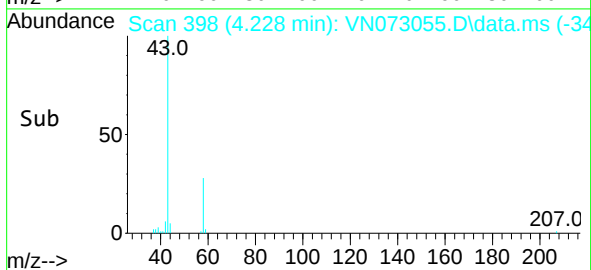
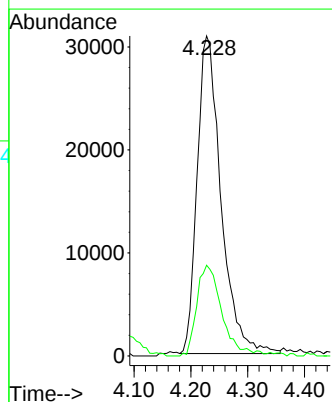
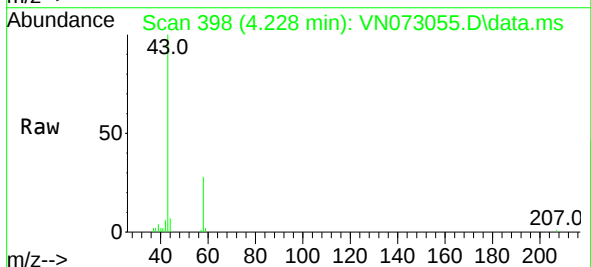
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

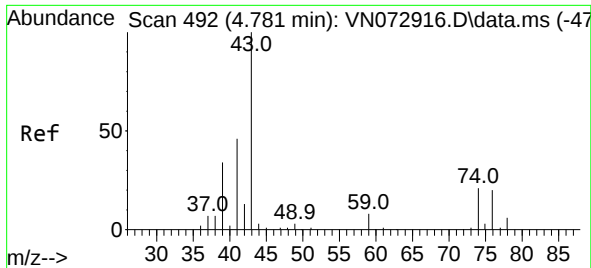
Tgt Ion:168 Resp: 316891
Ion Ratio Lower Upper
168 100
99 59.7 42.3 63.5



#16
Acetone
Concen: 38.241 ug/l
RT: 4.228 min Scan# 398
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 43 Resp: 90060
Ion Ratio Lower Upper
43 100
58 28.6 26.0 39.0

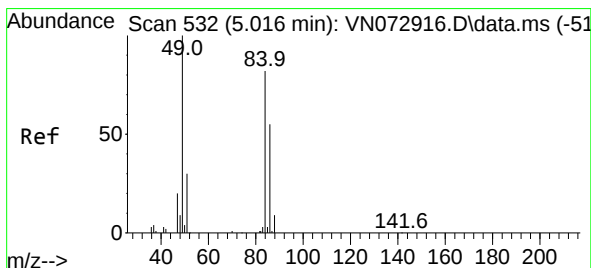
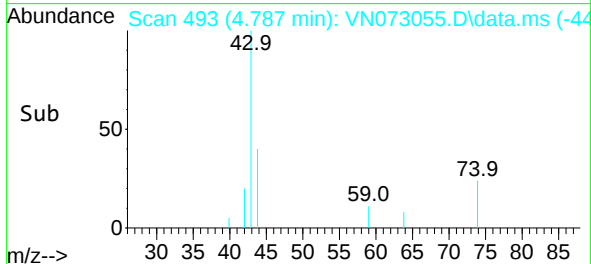
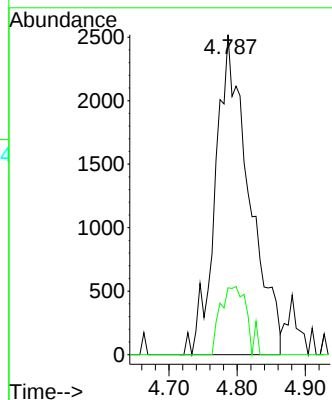
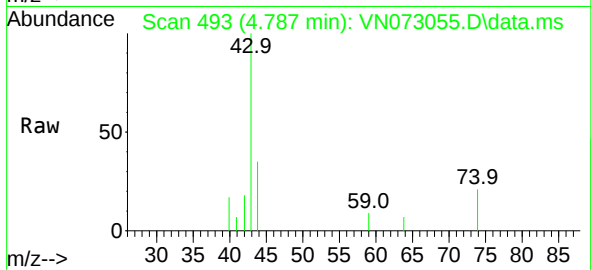




#18
Methyl Acetate
Concen: 1.386 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

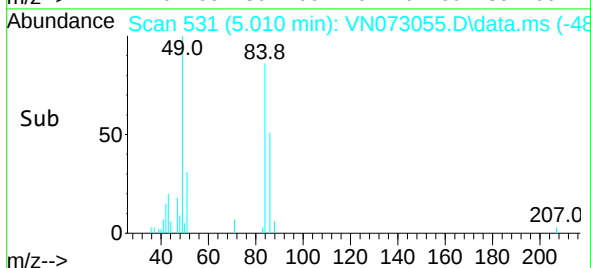
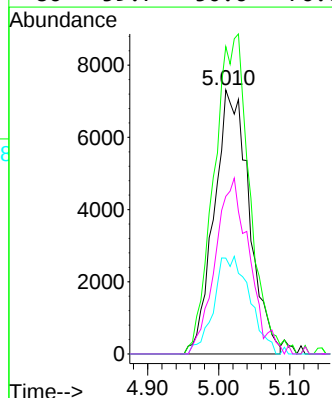
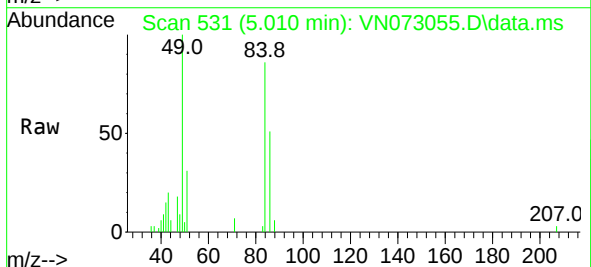
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

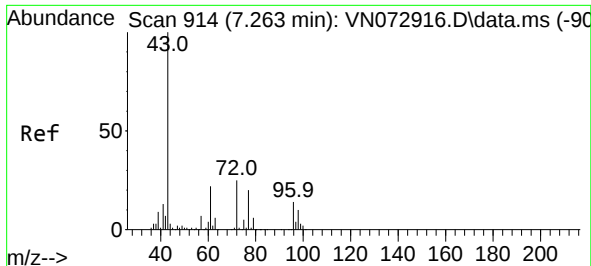
Tgt Ion: 43 Resp: 8689
Ion Ratio Lower Upper
43 100
74 16.7 21.6 32.4#



#20
Methylene Chloride
Concen: 6.630 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.006 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 84 Resp: 24983
Ion Ratio Lower Upper
84 100
49 116.4 88.3 132.5
51 36.3 28.2 42.2
86 59.7 50.6 76.0

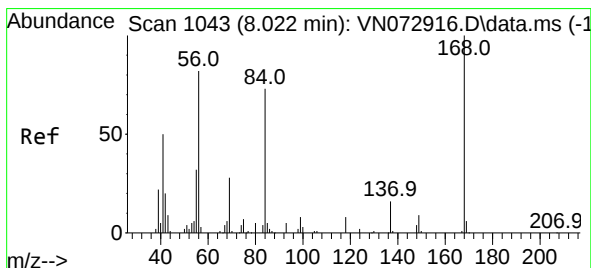
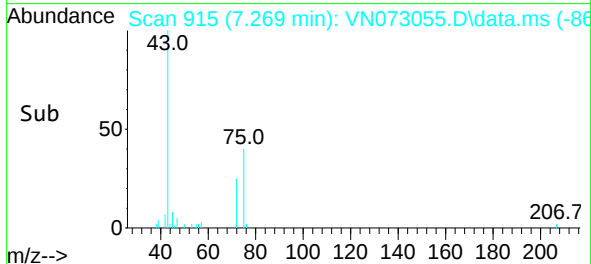
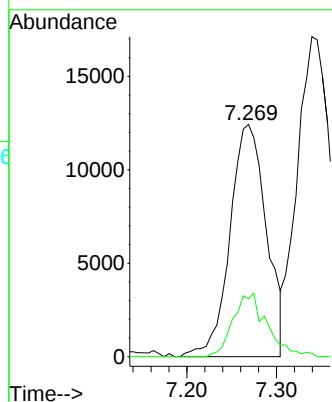
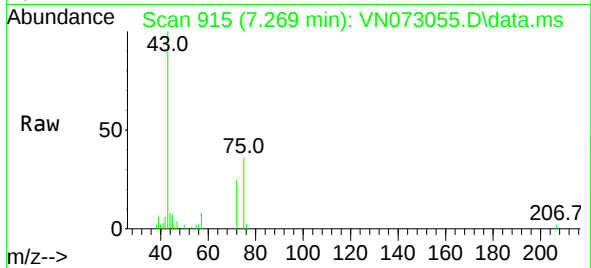




#25
2-Butanone
Concen: 9.397 ug/l
RT: 7.269 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

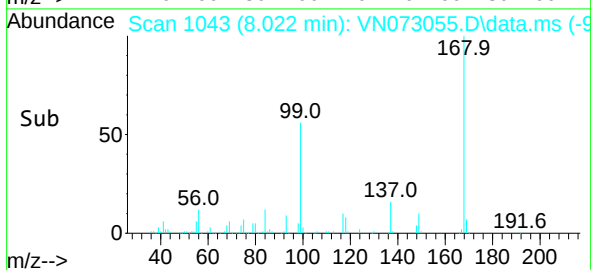
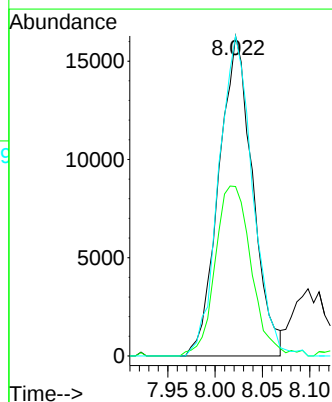
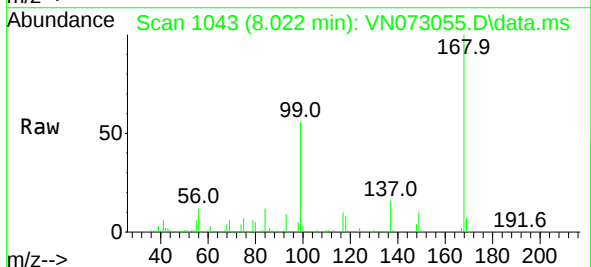
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

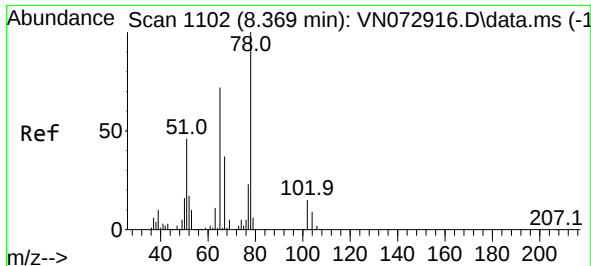
Tgt Ion: 43 Resp: 35119
Ion Ratio Lower Upper
43 100
72 24.9 23.7 35.5



#31
Cyclohexane
Concen: 6.955 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 56 Resp: 40304
Ion Ratio Lower Upper
56 100
69 53.0 27.8 41.8#
84 99.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.850 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

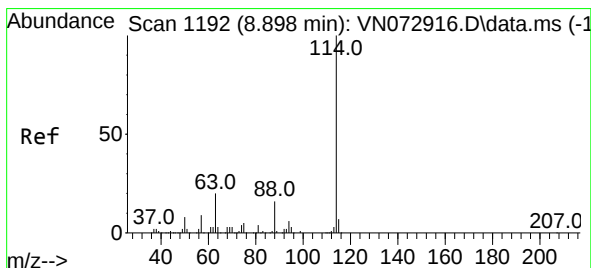
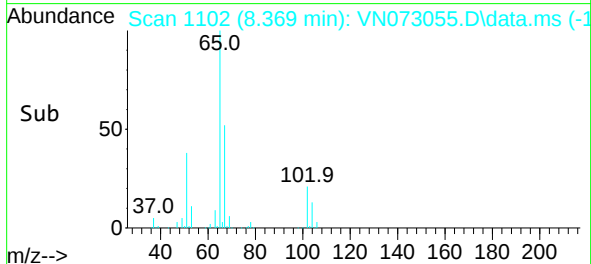
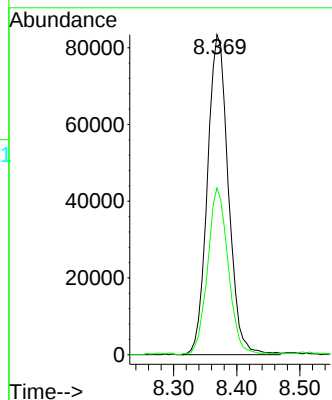
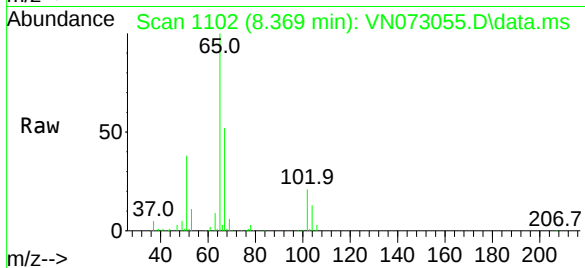
WC-14B-2-5

Tgt Ion: 65 Resp: 192152

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

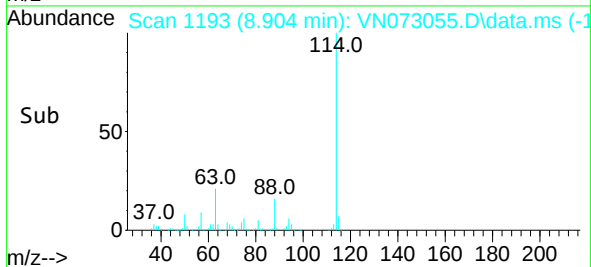
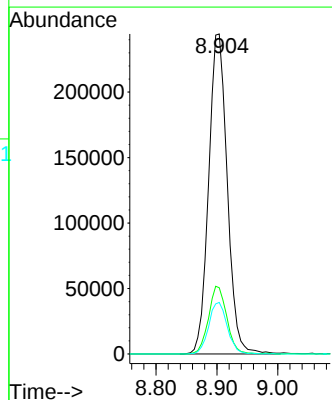
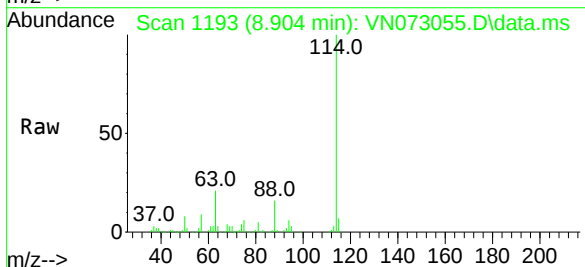
Tgt Ion: 114 Resp: 518882

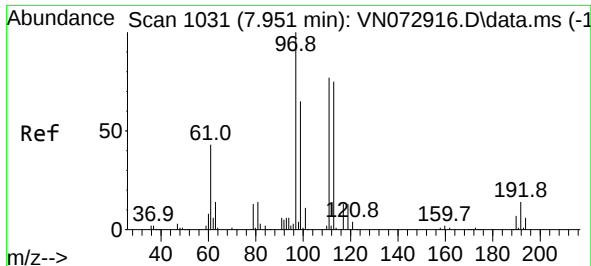
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.189 ug/l

RT: 7.951 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-2-5

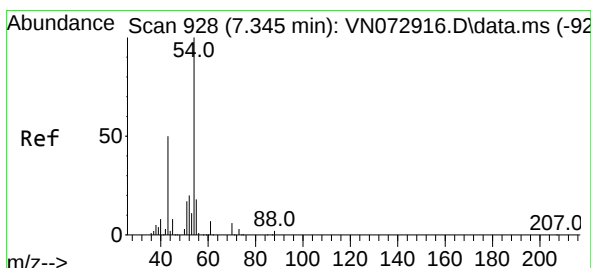
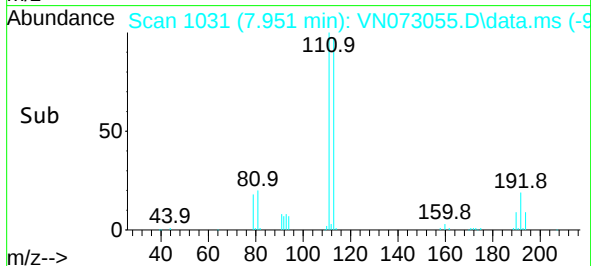
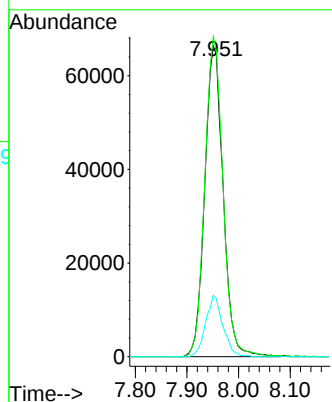
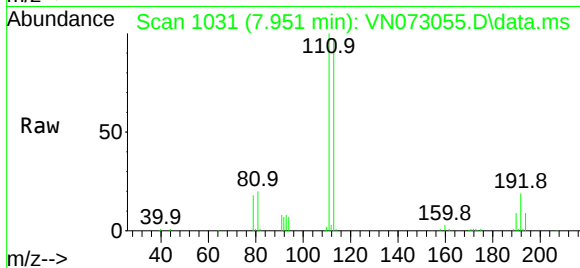
Tgt Ion:113 Resp: 164172

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 18.4 17.0 25.6



#37

Ethyl Acetate

Concen: 6.581 ug/l

RT: 7.339 min Scan# 927

Delta R.T. -0.006 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

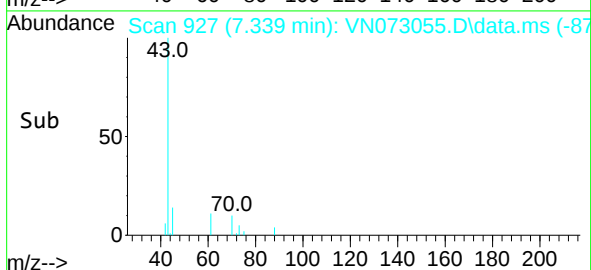
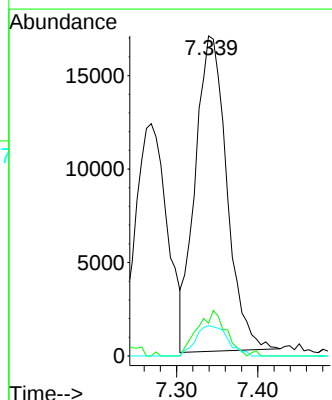
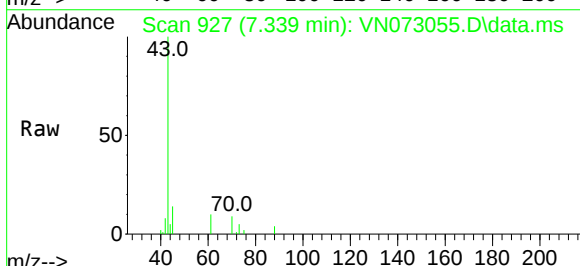
Tgt Ion: 43 Resp: 45678

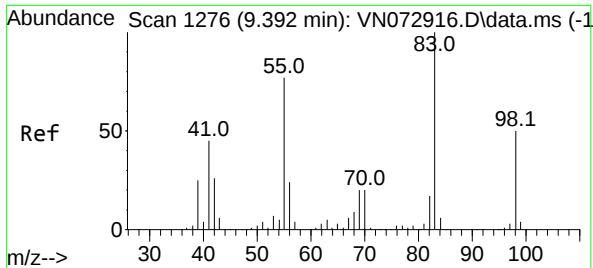
Ion Ratio Lower Upper

43 100

61 12.9 11.8 17.6

70 9.7 9.3 13.9

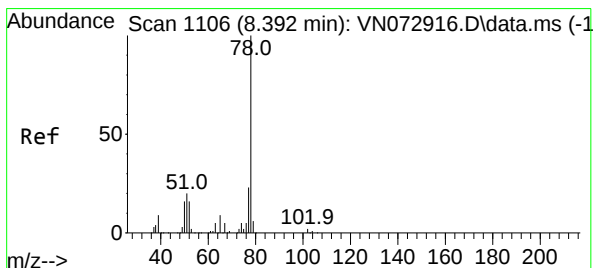
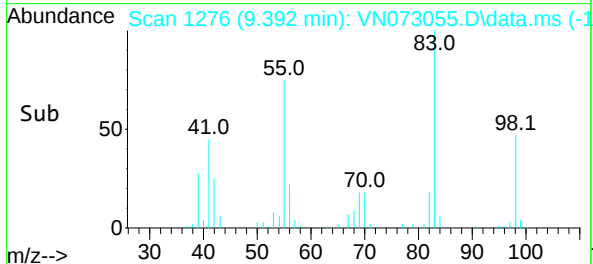
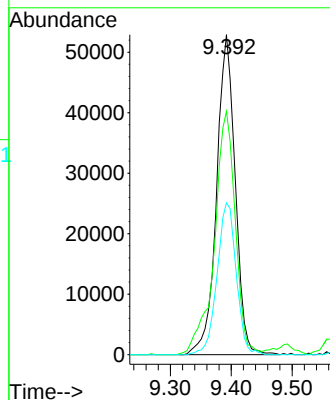
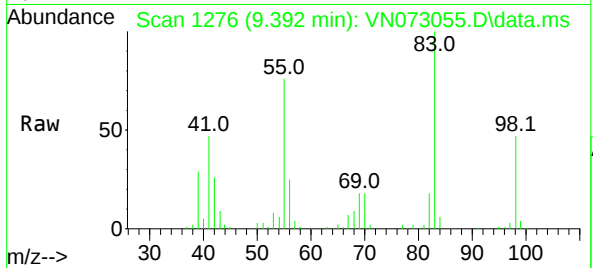




#39
Methylcyclohexane
Concen: 21.495 ug/l
RT: 9.392 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

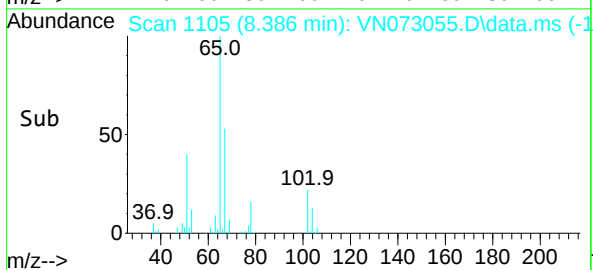
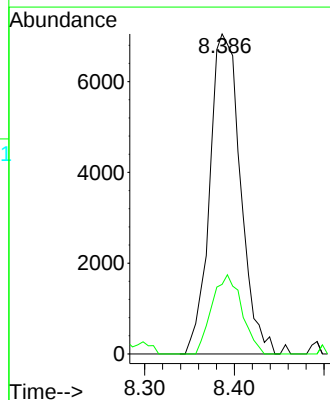
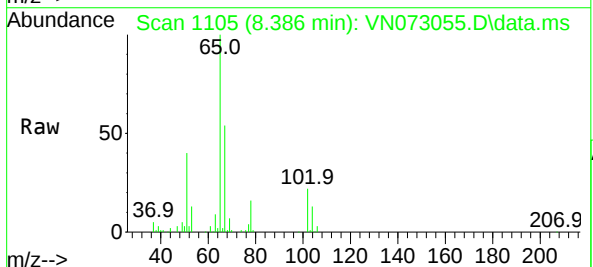
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

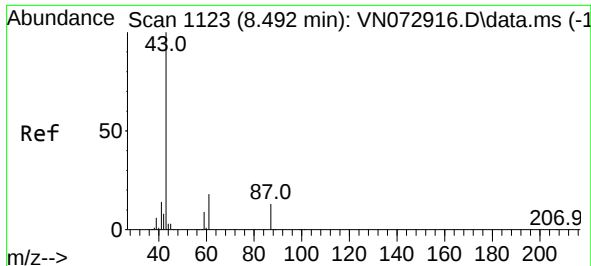
Tgt Ion: 83 Resp: 112436
Ion Ratio Lower Upper
83 100
55 75.7 57.8 86.8
98 47.5 39.4 59.2



#40
Benzene
Concen: 1.231 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 78 Resp: 16789
Ion Ratio Lower Upper
78 100
77 21.8 19.4 29.0

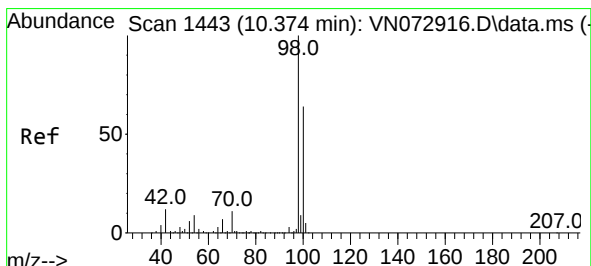
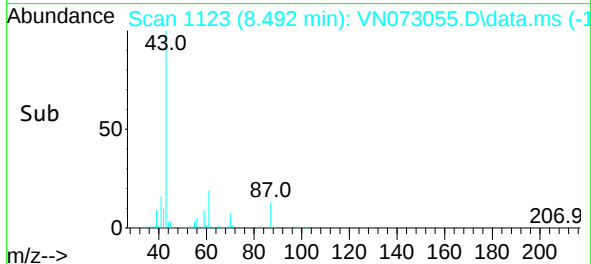
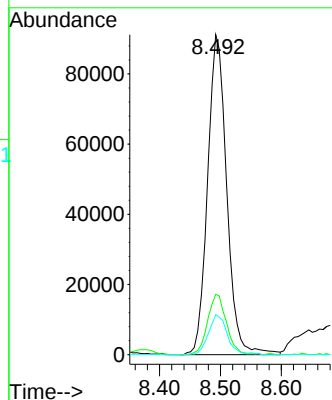
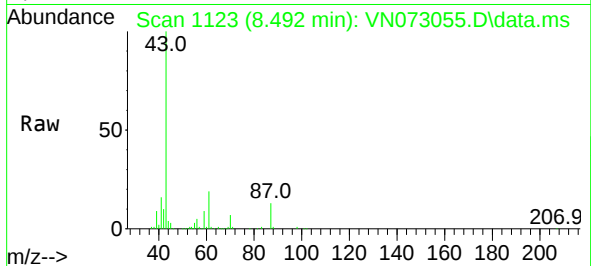




#43
Isopropyl Acetate
Concen: 20.097 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

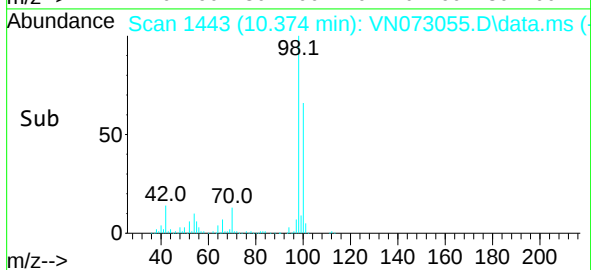
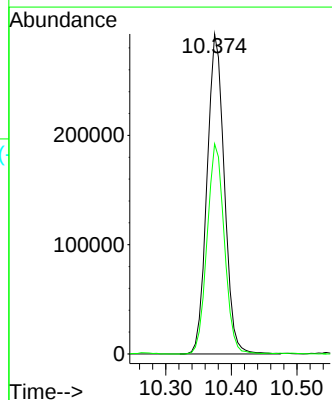
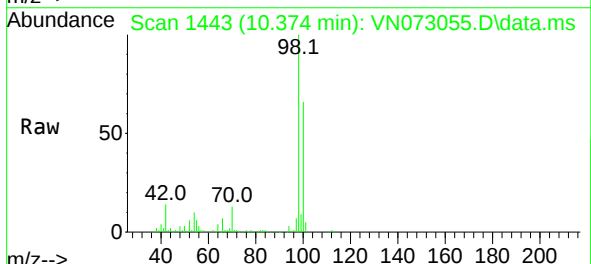
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

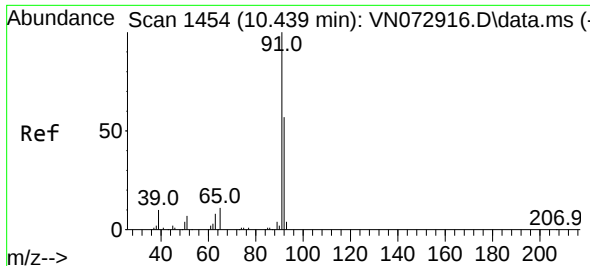
Tgt Ion: 43 Resp: 199413
Ion Ratio Lower Upper
43 100
61 18.6 21.9 32.9#
87 12.2 12.0 18.0



#50
Toluene-d8
Concen: 44.952 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 98 Resp: 536454
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

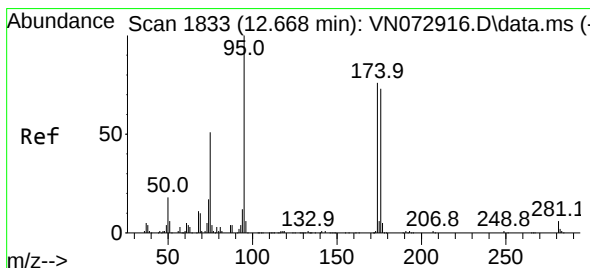
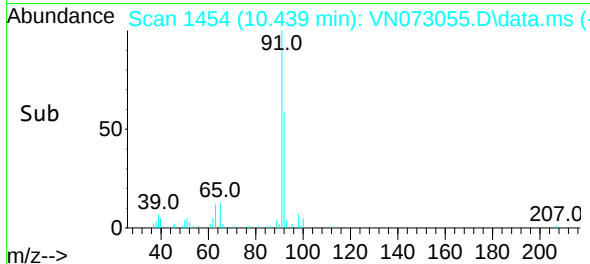
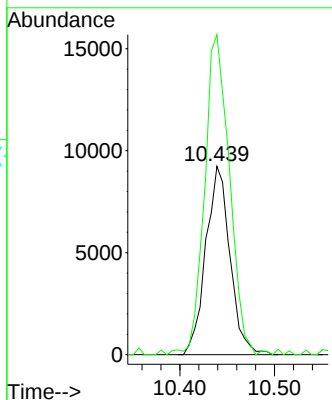
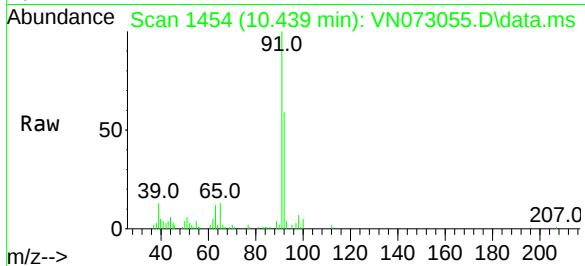




#52
Toluene
Concen: 1.957 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

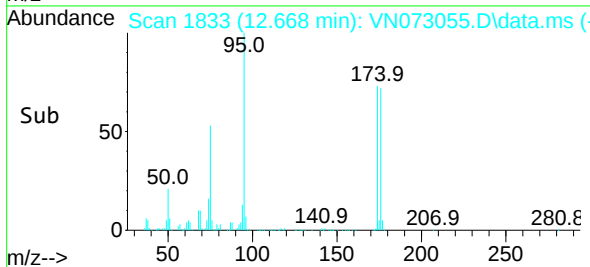
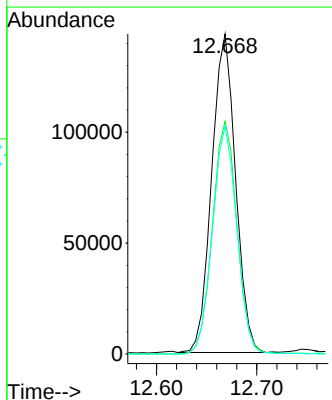
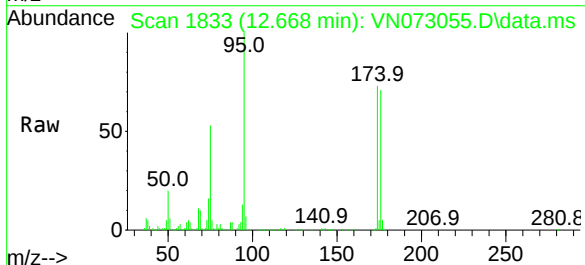
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

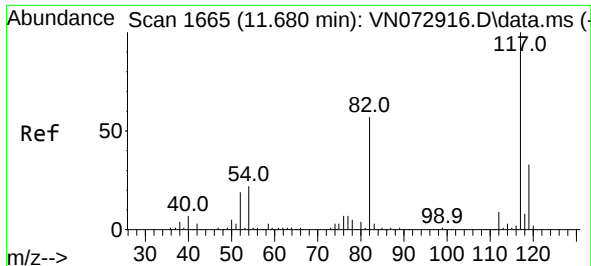
Tgt Ion: 92 Resp: 16386
Ion Ratio Lower Upper
92 100
91 175.2 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 55.187 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 95 Resp: 236823
Ion Ratio Lower Upper
95 100
174 74.8 0.0 167.6
176 73.1 0.0 163.4

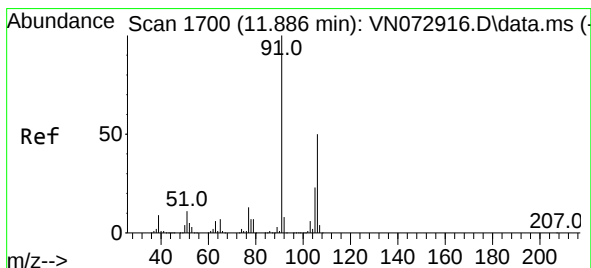
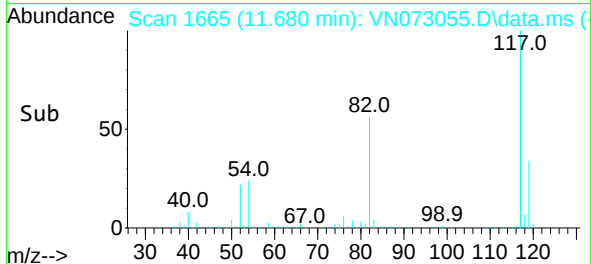
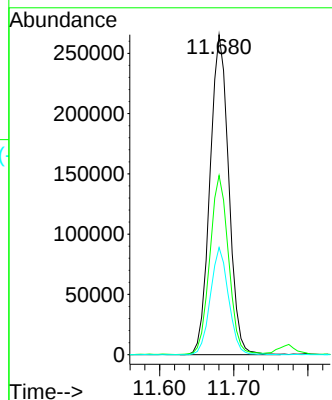
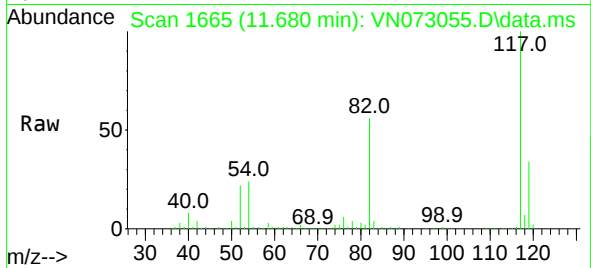




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

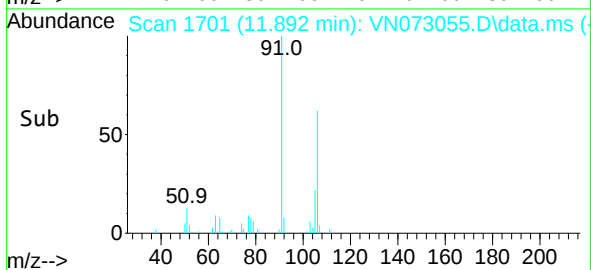
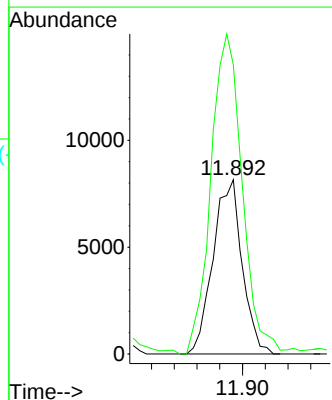
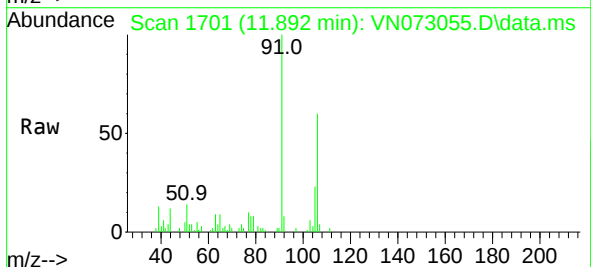
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

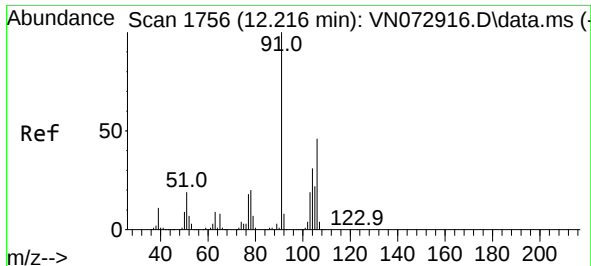
Tgt Ion:117 Resp: 466564
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 33.5 25.4 38.0



#68
m/p-Xylenes
Concen: 2.300 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion:106 Resp: 14467
Ion Ratio Lower Upper
106 100
91 198.0 158.9 238.3

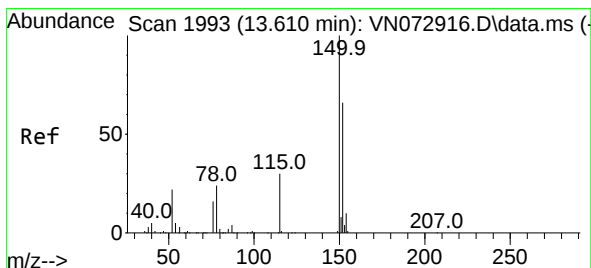
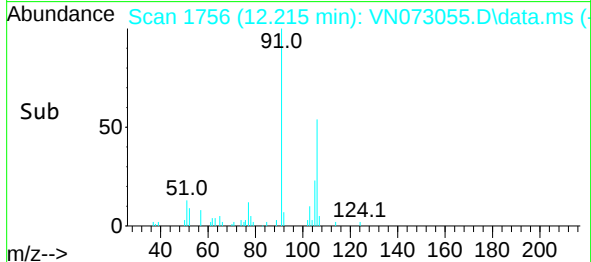
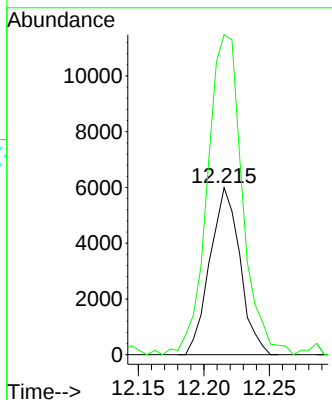
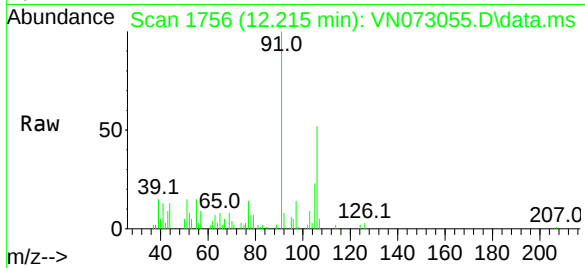




#69
o-Xylene
Concen: 1.519 ug/l
RT: 12.215 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

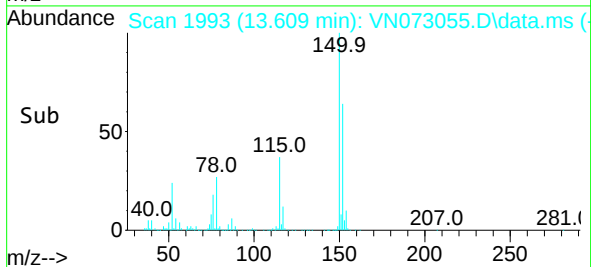
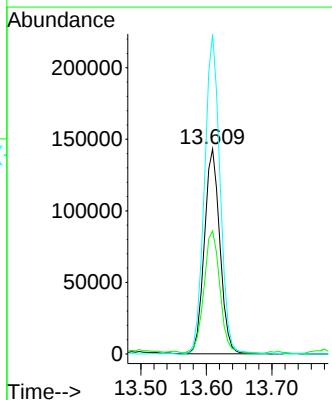
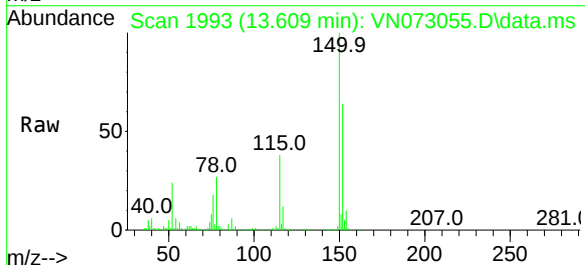
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

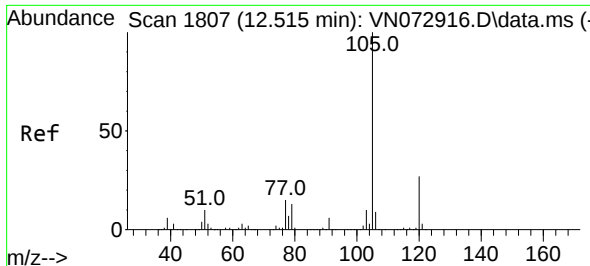
Tgt Ion:106 Resp: 9548
Ion Ratio Lower Upper
106 100
91 223.6 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion:152 Resp: 236215
Ion Ratio Lower Upper
152 100
115 61.3 28.9 86.7
150 155.9 0.0 356.2

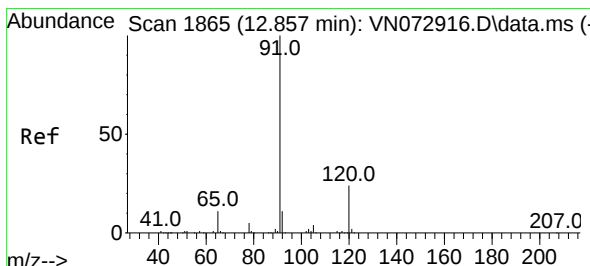
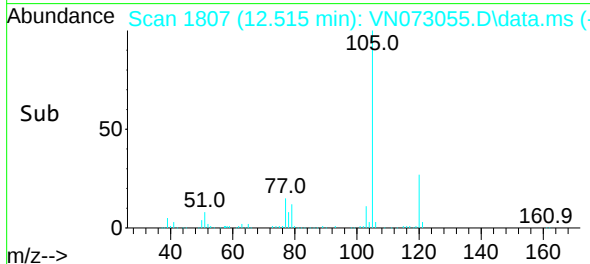
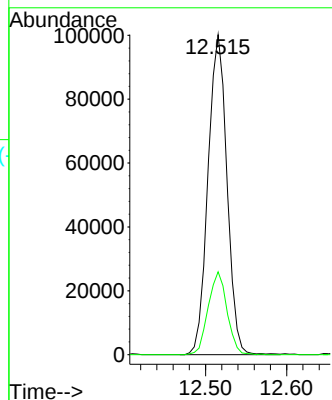
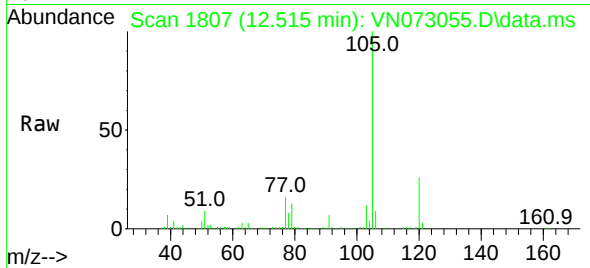




#73
Isopropylbenzene
Concen: 8.880 ug/l
RT: 12.515 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

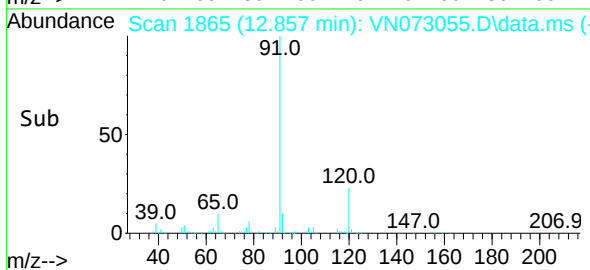
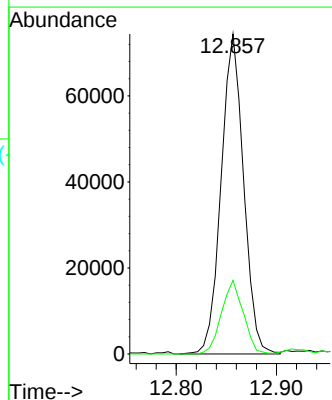
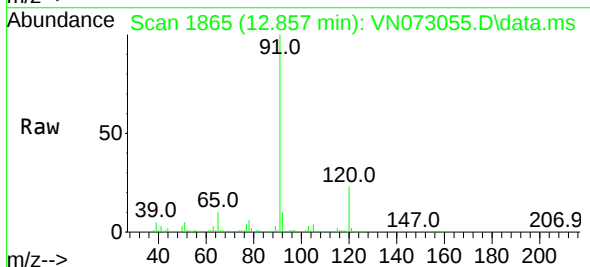
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-5

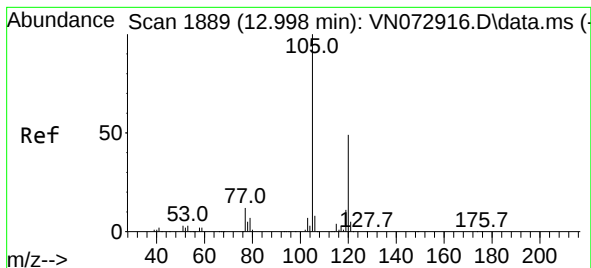
Tgt Ion:105 Resp: 162273
Ion Ratio Lower Upper
105 100
120 25.7 13.5 40.4



#78
n-propylbenzene
Concen: 5.753 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VN073055.D
Acq: 23 Jun 2022 17:53

Tgt Ion: 91 Resp: 115649
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 1.192 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

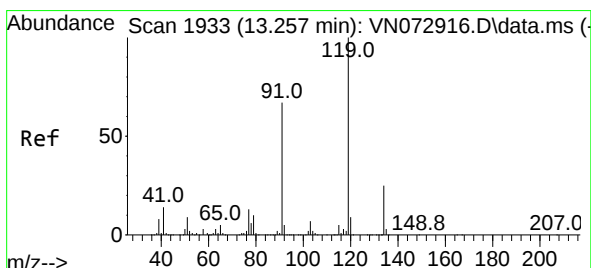
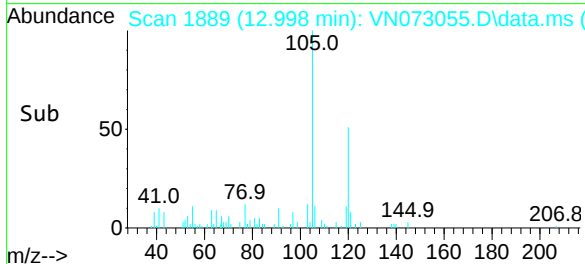
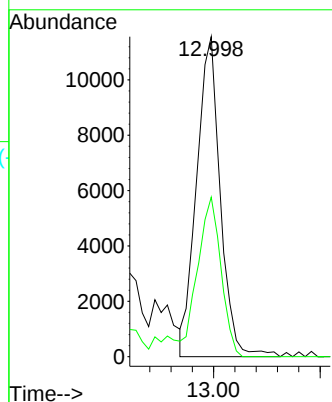
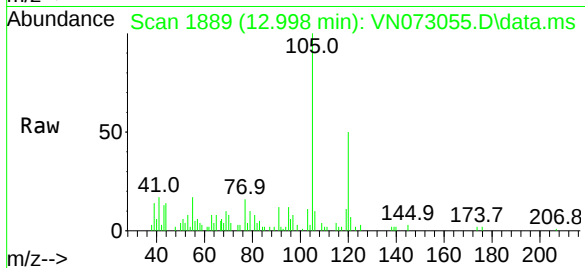
WC-14B-2-5

Tgt Ion:105 Resp: 17887

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.7



#83

tert-Butylbenzene

Concen: 1.172 ug/l

RT: 13.257 min Scan# 1933

Delta R.T. -0.000 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

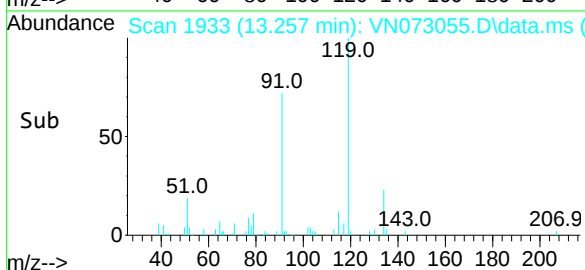
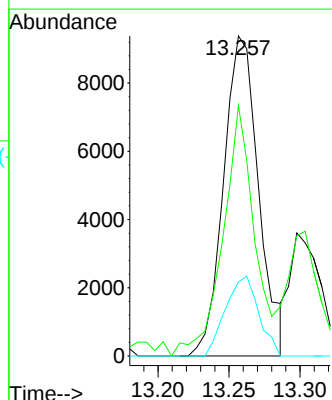
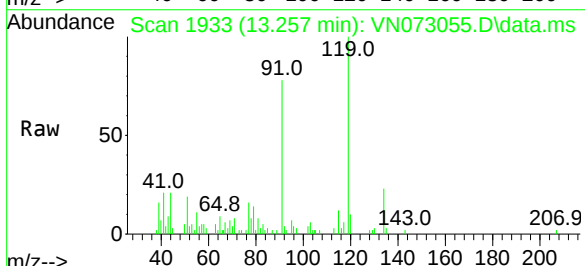
Tgt Ion:119 Resp: 16118

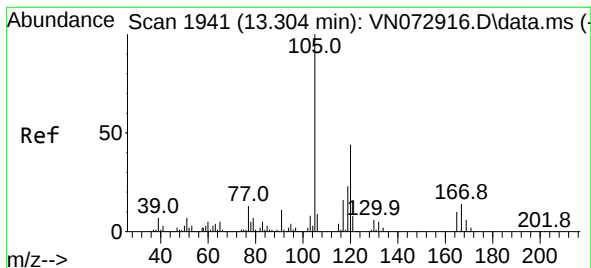
Ion Ratio Lower Upper

119 100

91 69.0 31.6 94.8

134 23.5 13.7 41.1





#84

1,2,4-Trimethylbenzene

Concen: 3.196 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073055.D

Acq: 23 Jun 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

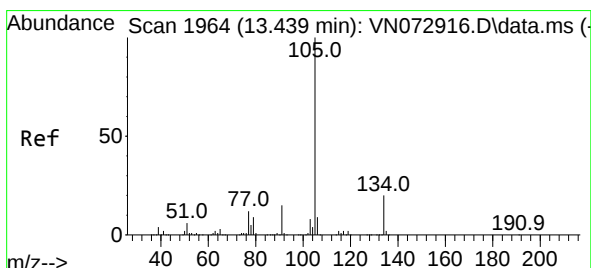
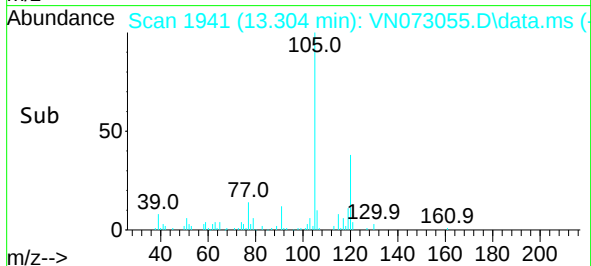
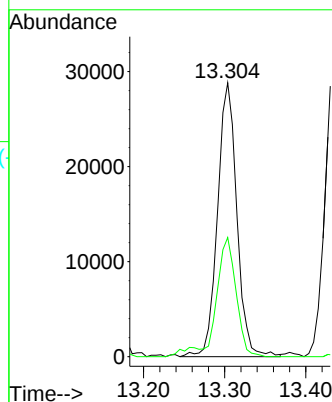
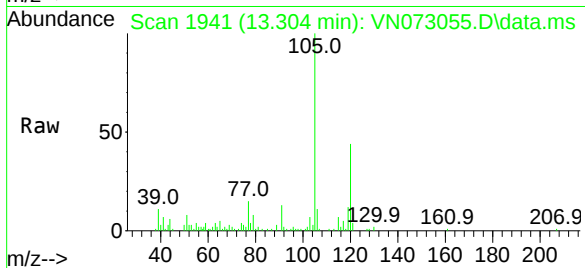
WC-14B-2-5

Tgt Ion:105 Resp: 47782

Ion Ratio Lower Upper

105 100

120 42.2 23.3 69.8



#85

sec-Butylbenzene

Concen: 2.974 ug/l

RT: 13.433 min Scan# 1963

Delta R.T. -0.006 min

Lab File: VN073055.D

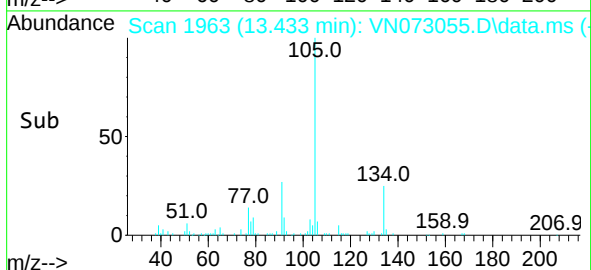
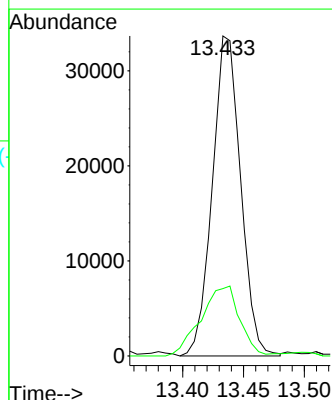
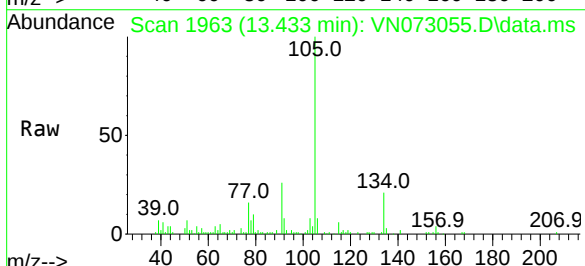
Acq: 23 Jun 2022 17:53

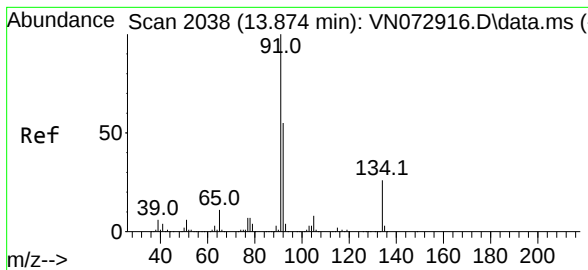
Tgt Ion:105 Resp: 54537

Ion Ratio Lower Upper

105 100

134 29.9 10.4 31.1





#89

n-Butylbenzene

Concen: 1.065 ug/l

RT: 13.880 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN073055.D

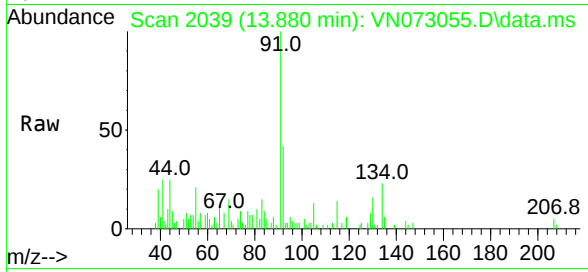
Acq: 23 Jun 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-2-5



Tgt Ion: 91 Resp: 12908

Ion Ratio Lower Upper

91 100

92 45.8 26.9 80.7

134 0.0 13.6 40.8#

