

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062522\
 Data File : VN073107.D
 Acq On : 25 Jun 2022 13:51
 Operator : JC\MD
 Sample : N3431-05
 Misc : 4.42g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 27 03:38:42 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)

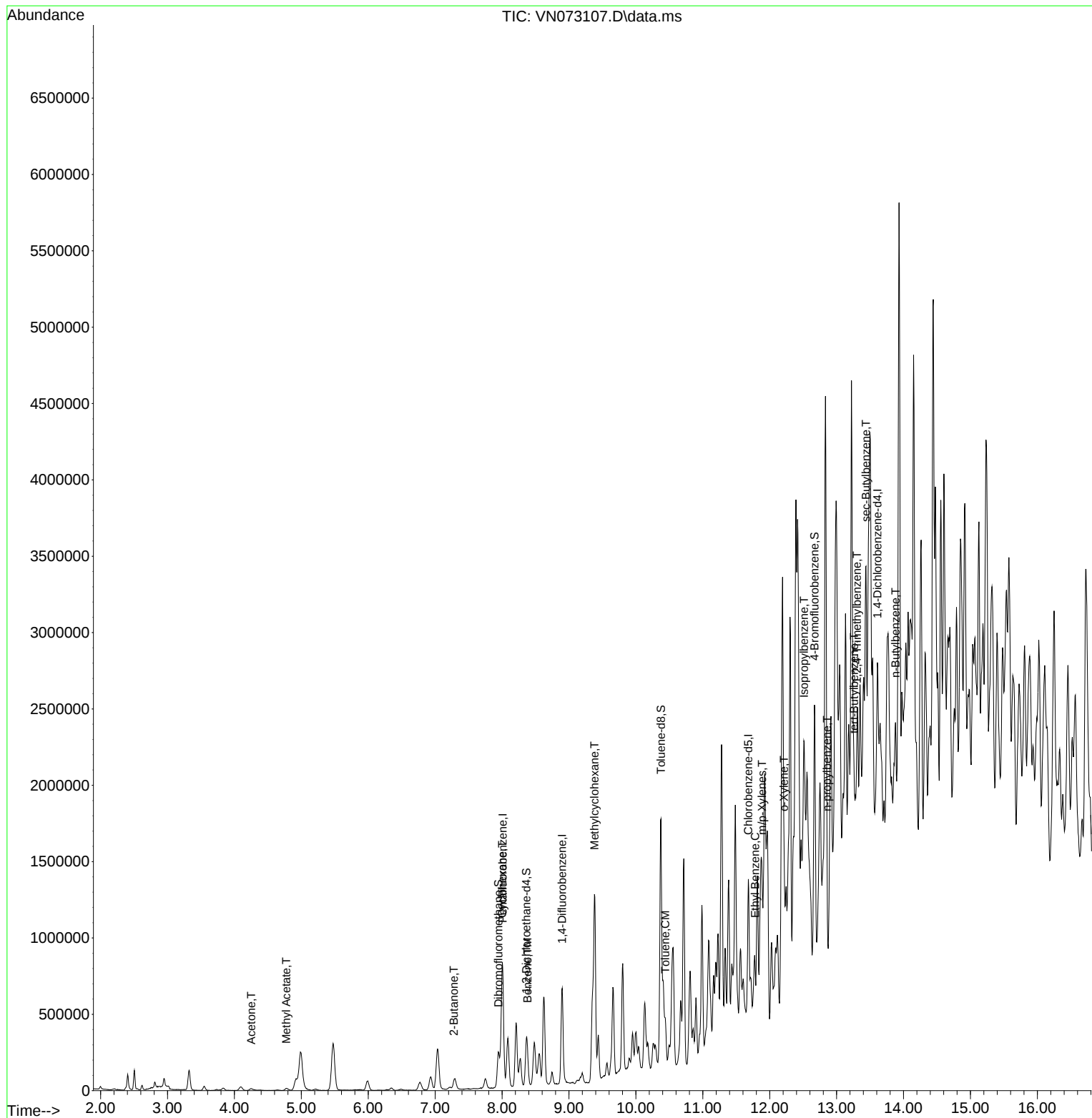
Internal Standards						
1) Pentafluorobenzene	8.010	168	353031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	553628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	532867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	325405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	195105	40.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.760%		
35) Dibromofluoromethane	7.945	113	166359	48.616	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.240%		
50) Toluene-d8	10.375	98	627841	49.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.620%		
62) 4-Bromofluorobenzene	12.669	95	347579	75.913	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	151.820%#		
Target Compounds					Qvalue	
16) Acetone	4.251	43	26308	10.027	ug/l	93
18) Methyl Acetate	4.775	43	28414	4.067	ug/l	90
25) 2-Butanone	7.281	43	53544	12.861	ug/l #	86
31) Cyclohexane	8.004	56	228136	35.336	ug/l	94
39) Methylcyclohexane	9.380	83	522279	93.581	ug/l	92
40) Benzene	8.381	78	139376	9.578	ug/l	99
52) Toluene	10.439	92	127321	14.251	ug/l	97
67) Ethyl Benzene	11.780	91	87475	4.775	ug/l	95
68) m/p-Xylenes	11.886	106	140926	19.613	ug/l	96
69) o-Xylene	12.216	106	50671	7.058	ug/l	66
73) Isopropylbenzene	12.516	105	466896	18.547	ug/l	100
78) n-propylbenzene	12.857	91	105677	3.816	ug/l	93
83) tert-Butylbenzene	13.263	119	83945	4.433	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.304	105	467338	22.691	ug/l	92
85) sec-Butylbenzene	13.439	105	756618	29.949	ug/l	80
89) n-Butylbenzene	13.880	91	358593	21.471	ug/l #	81

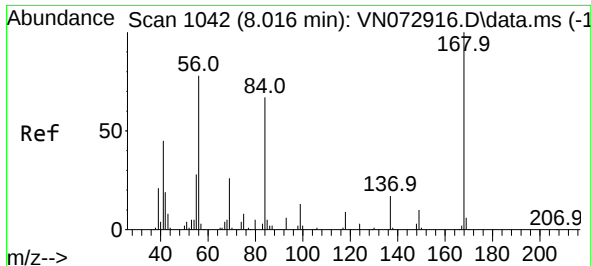
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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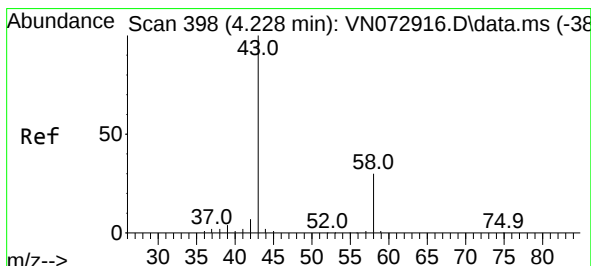
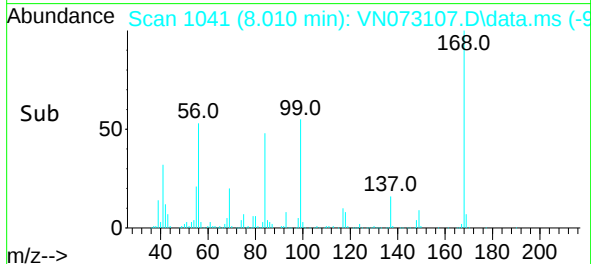
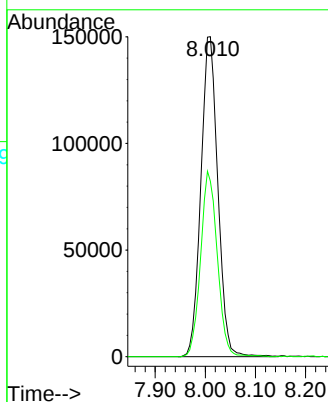
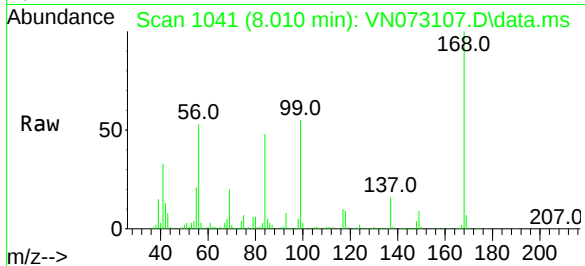




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

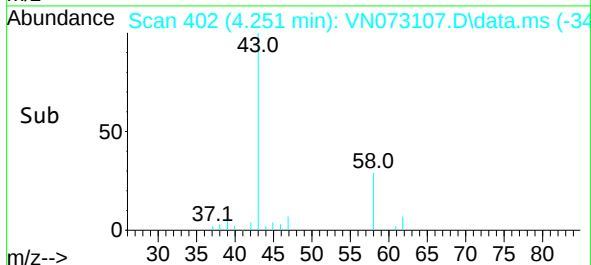
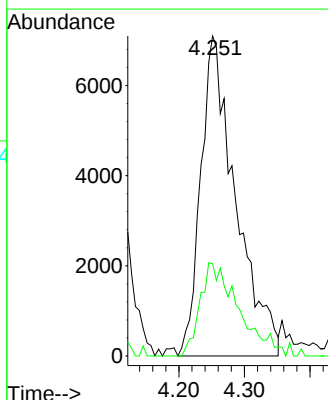
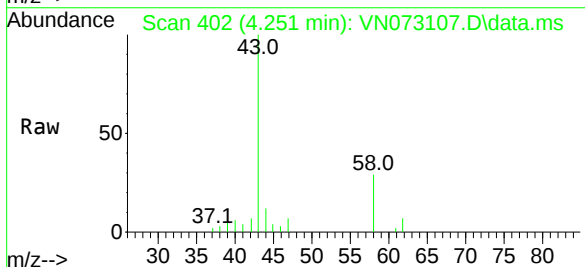
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

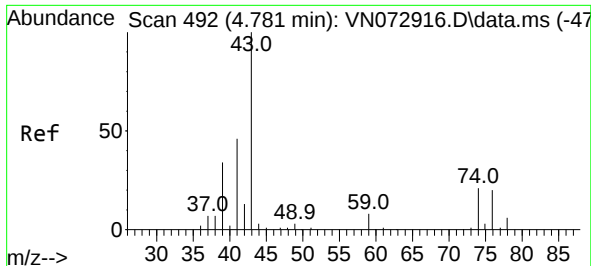
Tgt Ion:168 Resp: 353031
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#16
Acetone
Concen: 10.027 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 43 Resp: 26308
Ion Ratio Lower Upper
43 100
58 28.8 26.0 39.0

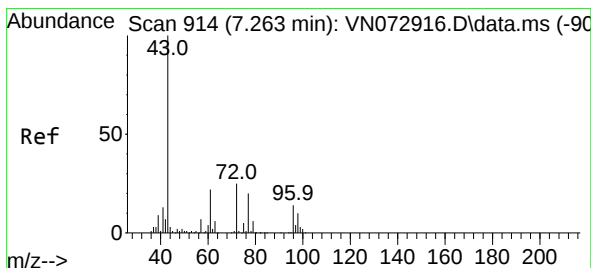
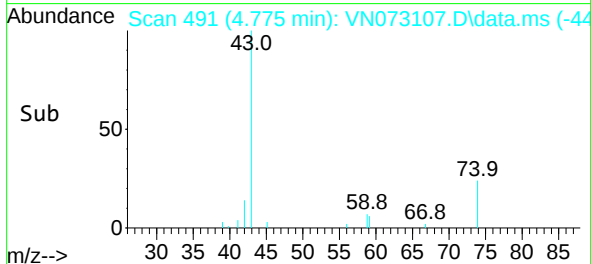
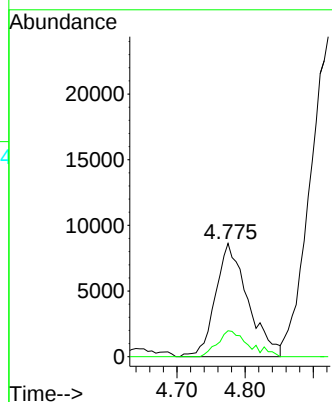
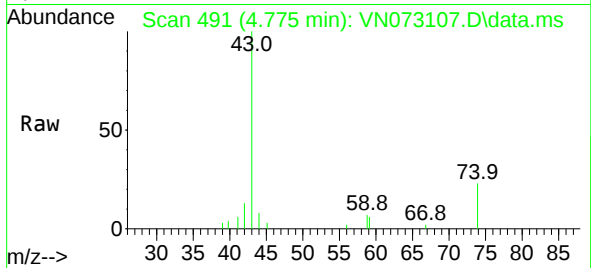




#18
Methyl Acetate
Concen: 4.067 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

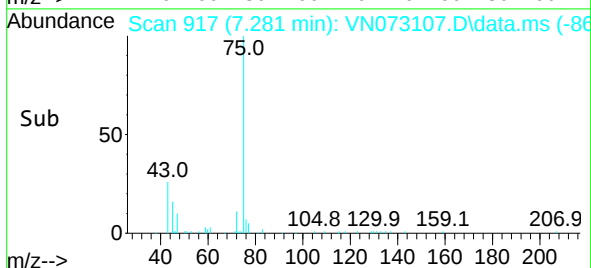
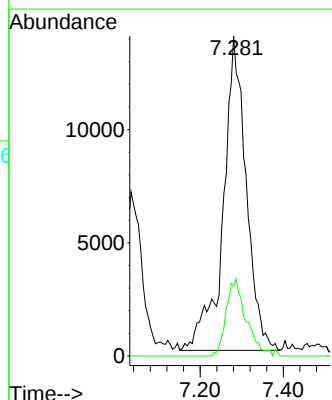
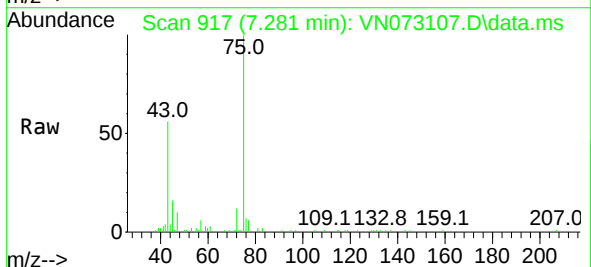
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

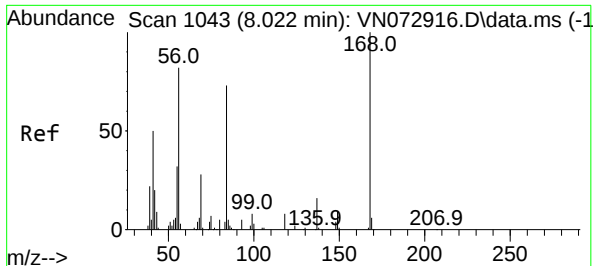
Tgt Ion: 43 Resp: 28414
Ion Ratio Lower Upper
43 100
74 22.0 21.6 32.4



#25
2-Butanone
Concen: 12.861 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.018 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 43 Resp: 53544
Ion Ratio Lower Upper
43 100
72 22.2 23.7 35.5#

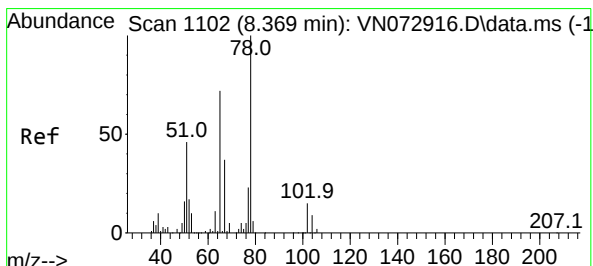
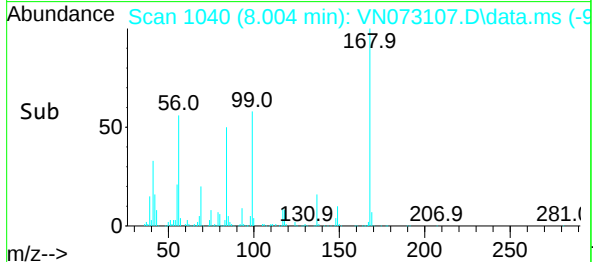
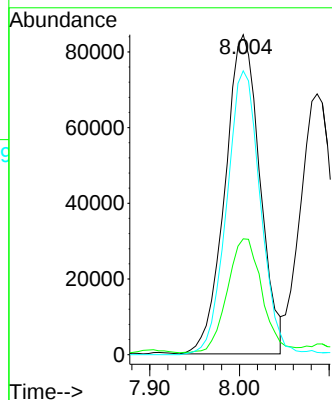
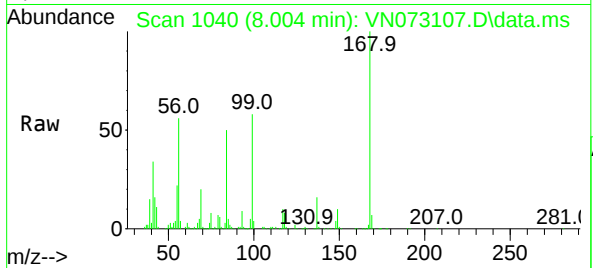




#31
Cyclohexane
Concen: 35.336 ug/l
RT: 8.004 min Scan# 1101
Delta R.T. -0.018 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

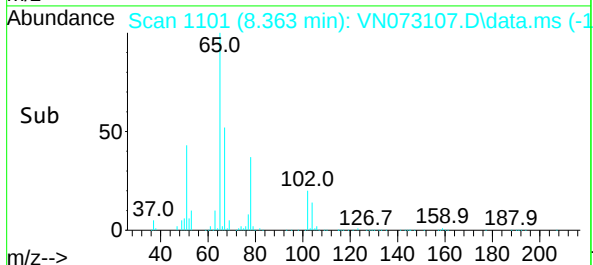
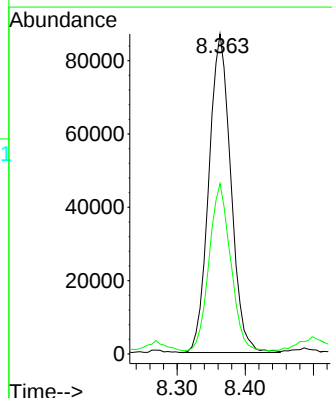
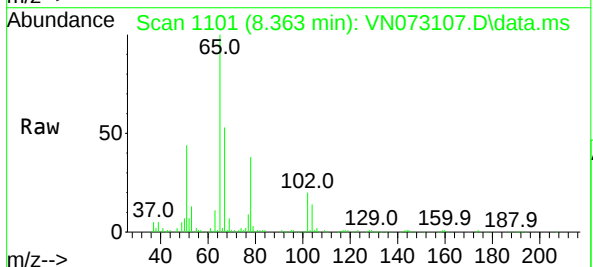
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

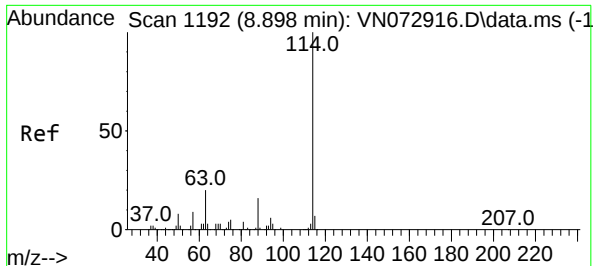
Tgt Ion: 56 Resp: 228136
Ion Ratio Lower Upper
56 100
69 35.7 27.8 41.8
84 88.9 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 40.878 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 65 Resp: 195105
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8

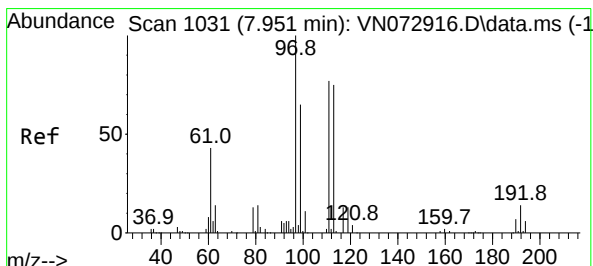
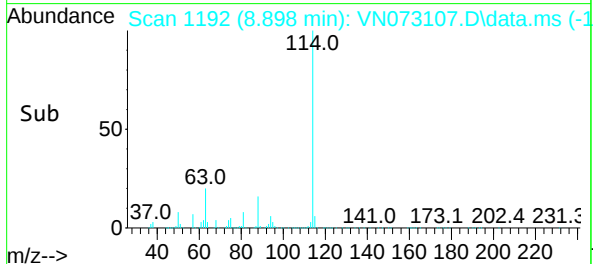
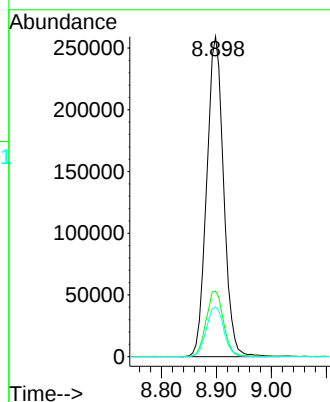
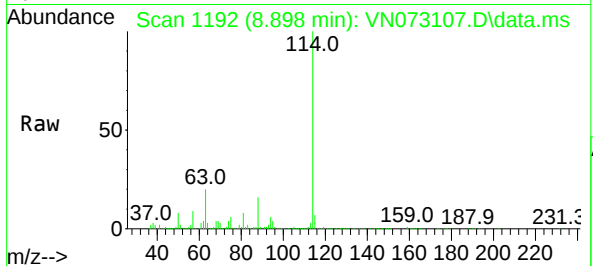




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

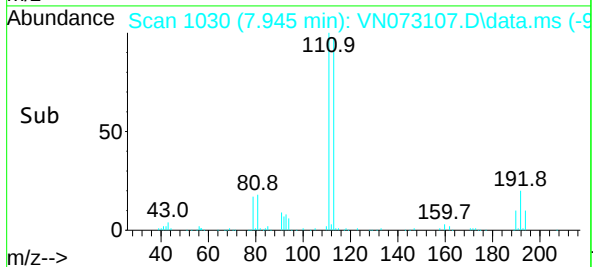
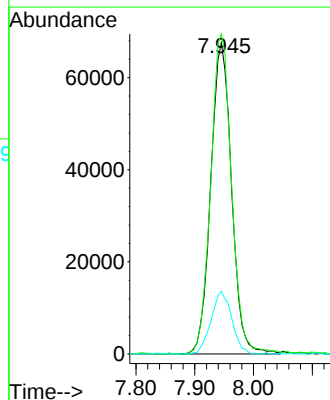
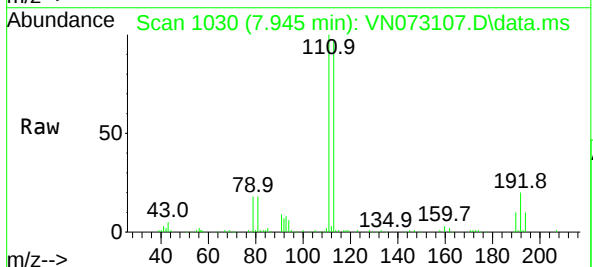
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

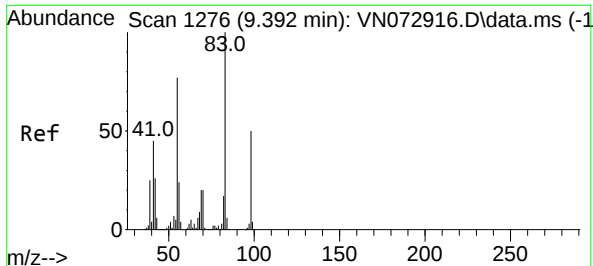
Tgt Ion:114 Resp: 553628
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.616 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion:113 Resp: 166359
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 19.9 17.0 25.6





#39

Methylcyclohexane

Concen: 93.581 ug/l

RT: 9.380 min Scan# 1104

Delta R.T. -0.012 min

Lab File: VN073107.D

Acq: 25 Jun 2022 13:51

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-2-2-GR

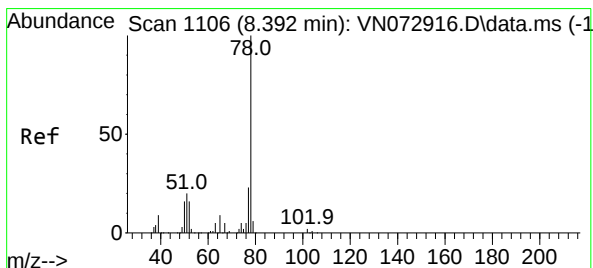
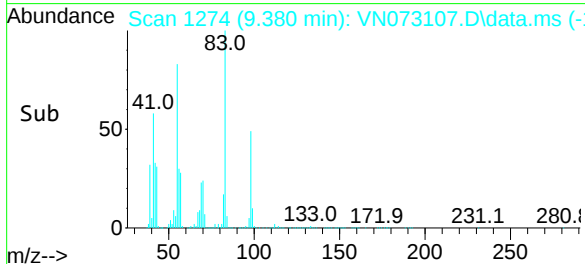
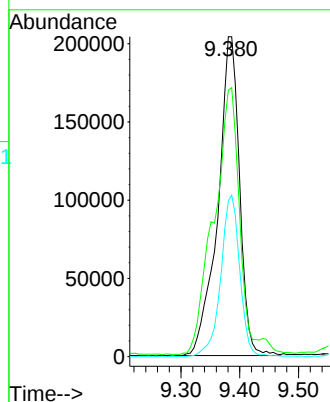
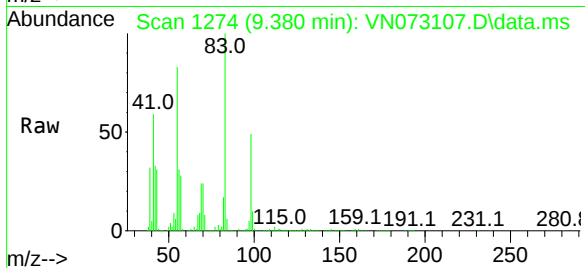
Tgt Ion: 83 Resp: 522279

Ion Ratio Lower Upper

83 100

55 82.9 57.8 86.8

98 48.9 39.4 59.2



#40

Benzene

Concen: 9.578 ug/l

RT: 8.381 min Scan# 1104

Delta R.T. -0.012 min

Lab File: VN073107.D

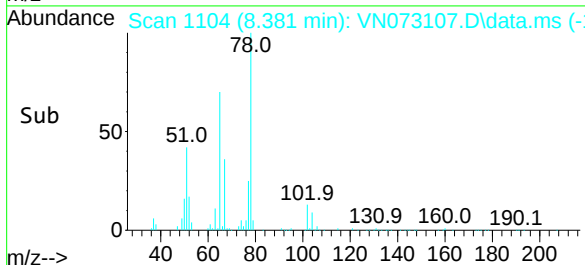
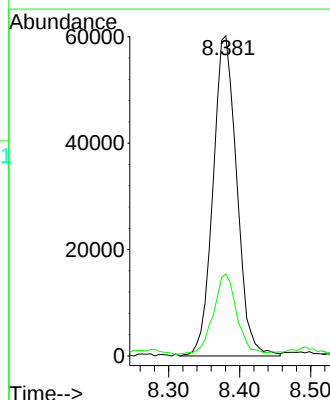
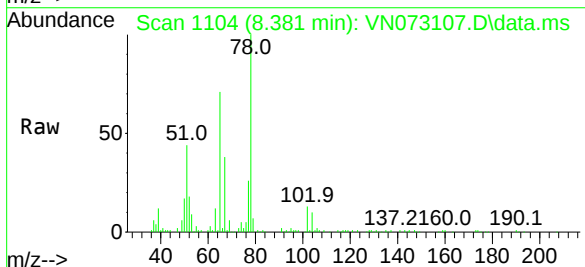
Acq: 25 Jun 2022 13:51

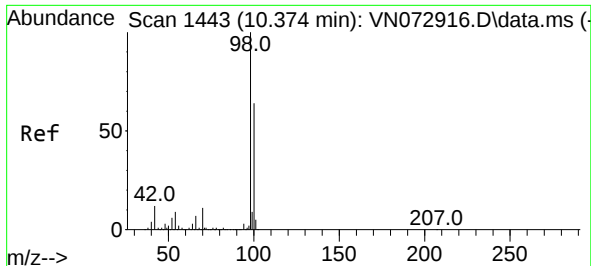
Tgt Ion: 78 Resp: 139376

Ion Ratio Lower Upper

78 100

77 24.9 19.4 29.0

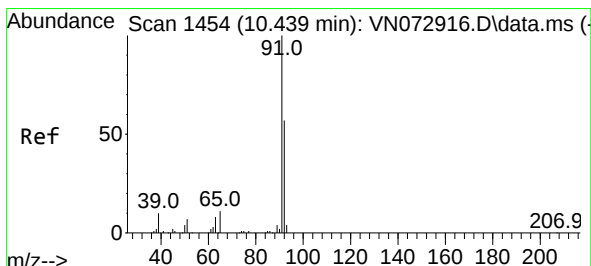
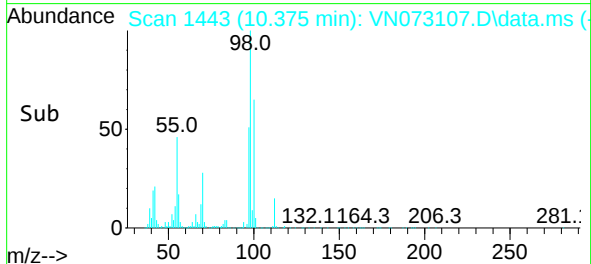
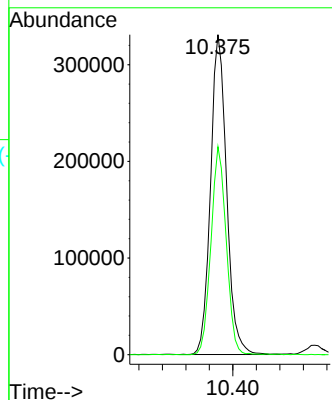
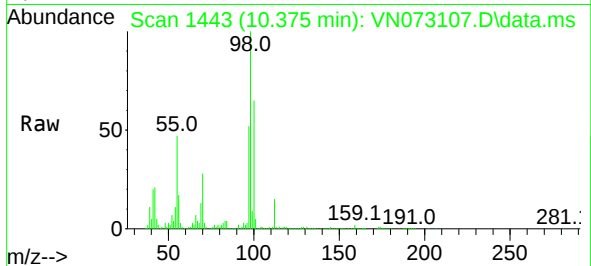




#50
Toluene-d8
Concen: 49.308 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

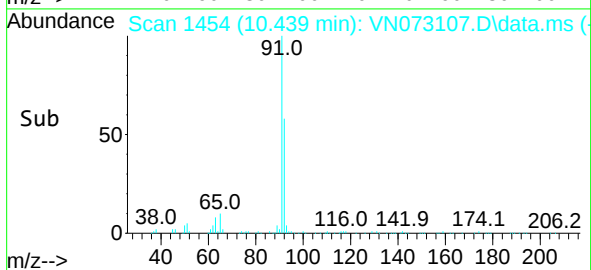
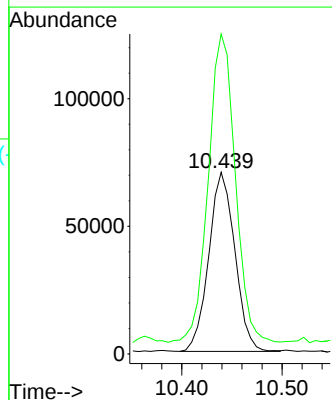
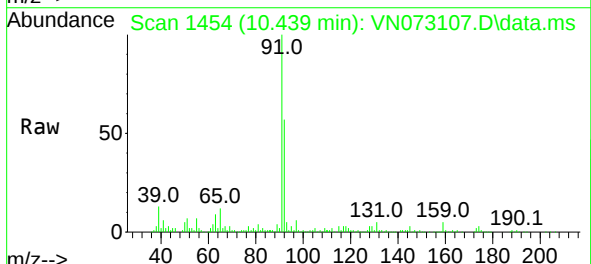
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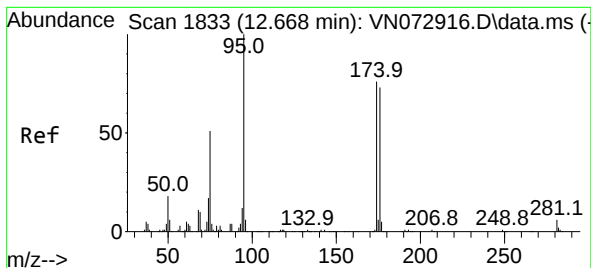
Tgt Ion: 98 Resp: 627841
Ion Ratio Lower Upper
98 100
100 61.9 52.6 78.8



#52
Toluene
Concen: 14.251 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 92 Resp: 127321
Ion Ratio Lower Upper
92 100
91 176.9 138.6 207.8

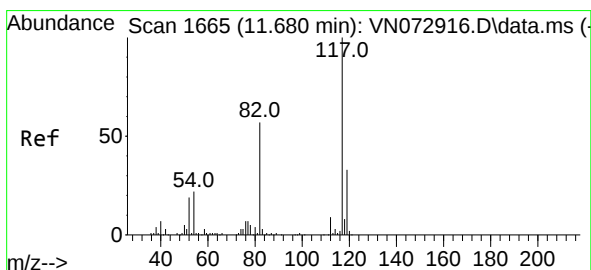
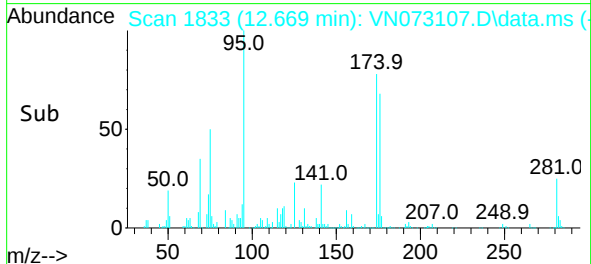
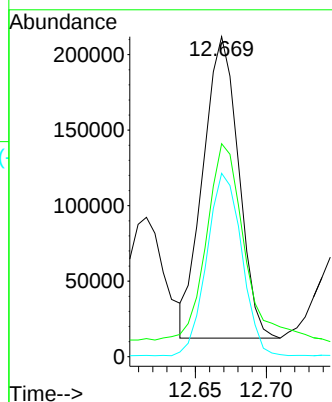
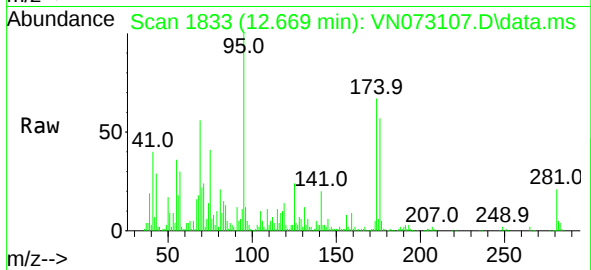




#62
4-Bromofluorobenzene
Concen: 75.913 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

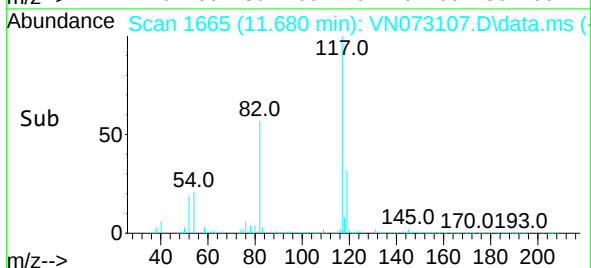
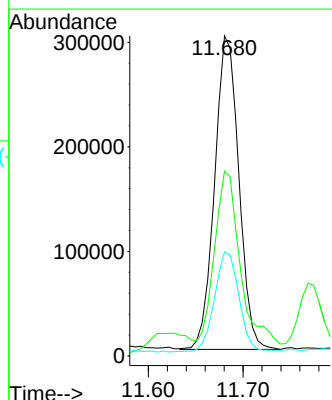
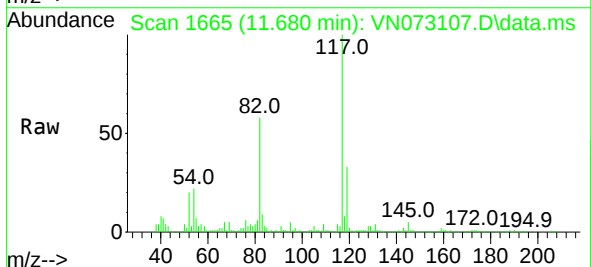
Instrument :
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ClientSampleId :
WC-14B-2-2-GR

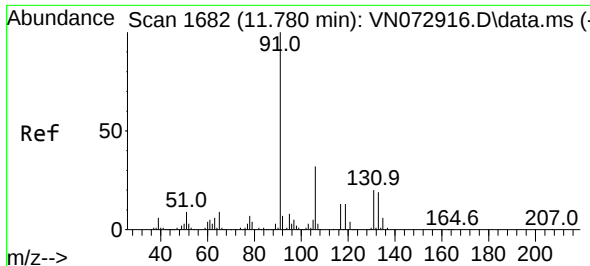
Tgt Ion: 95 Resp: 347579
Ion Ratio Lower Upper
95 100
174 88.5 0.0 167.6
176 59.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 117 Resp: 532867
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.8 25.4 38.0

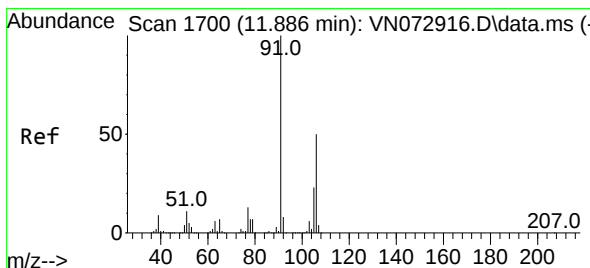
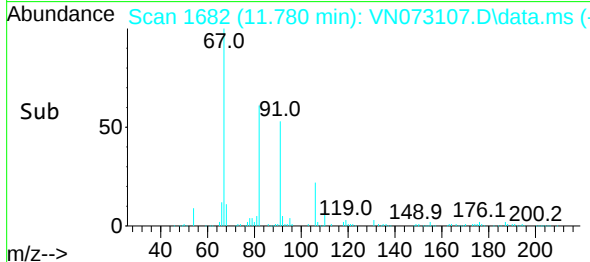
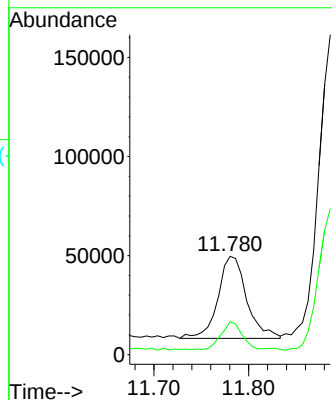
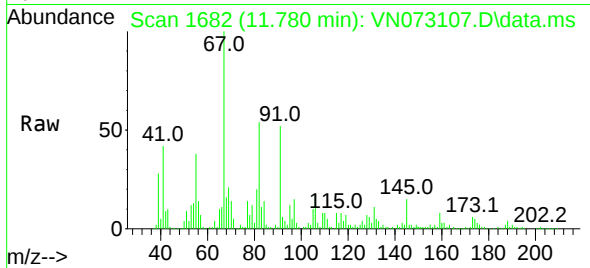




#67
Ethyl Benzene
Concen: 4.775 ug/l
RT: 11.780 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

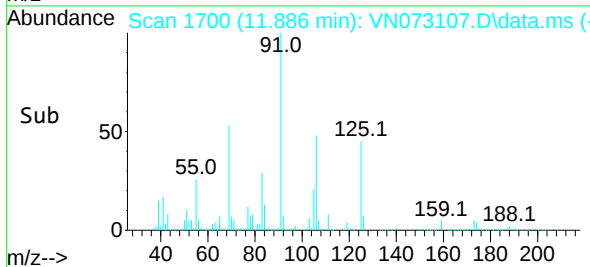
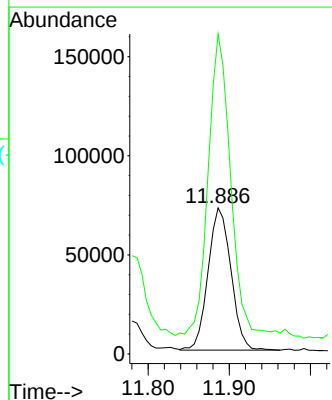
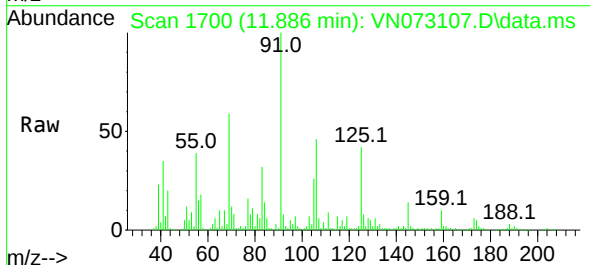
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

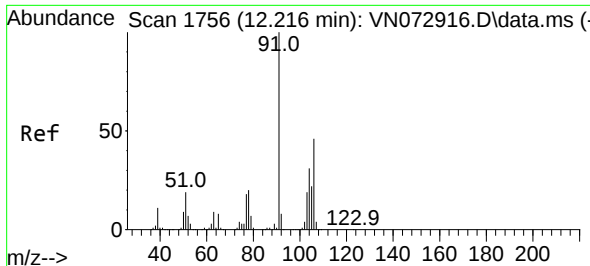
Tgt Ion: 91 Resp: 87475
Ion Ratio Lower Upper
91 100
106 33.7 24.9 37.3



#68
m/p-Xylenes
Concen: 19.613 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 106 Resp: 140926
Ion Ratio Lower Upper
106 100
91 204.6 158.9 238.3

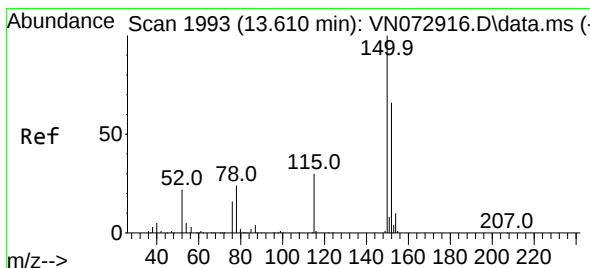
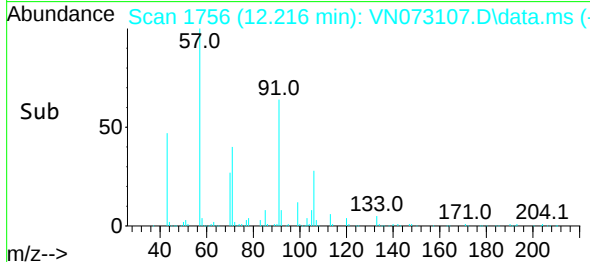
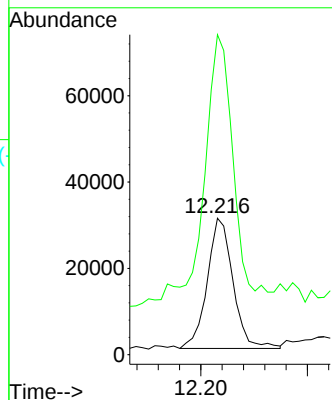
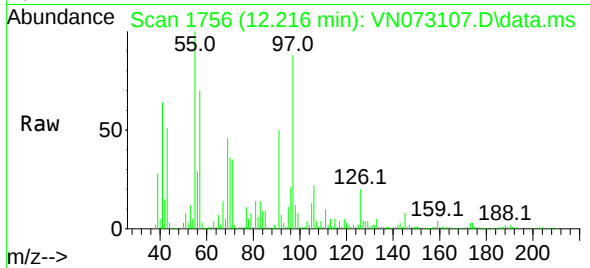




#69
o-Xylene
Concen: 7.058 ug/l
RT: 12.216 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

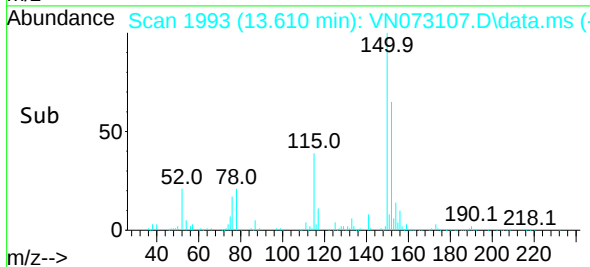
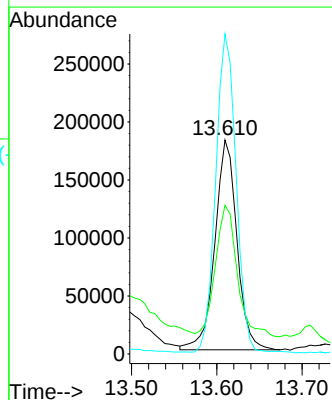
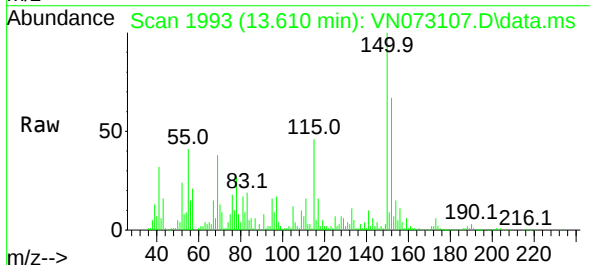
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

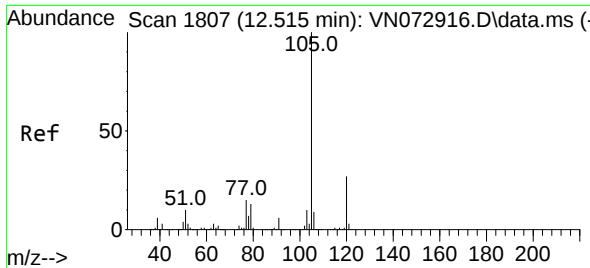
Tgt Ion:106 Resp: 50671
Ion Ratio Lower Upper
106 100
91 266.0 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion:152 Resp: 325405
Ion Ratio Lower Upper
152 100
115 62.0 28.9 86.7
150 140.9 0.0 356.2

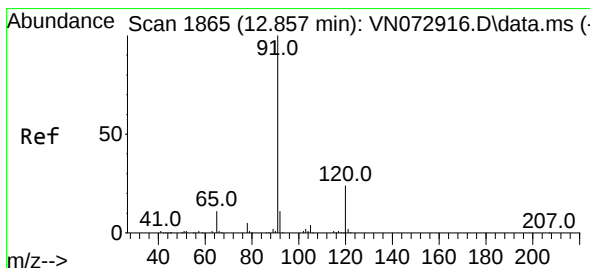
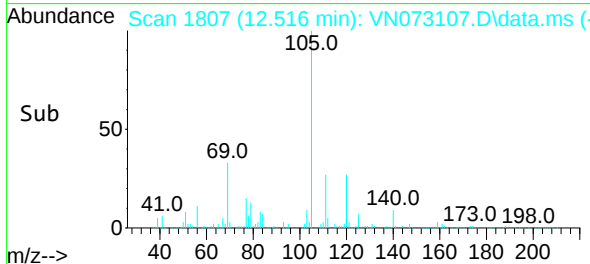
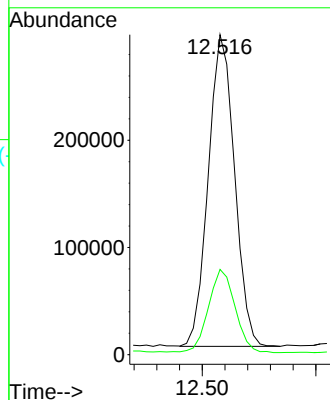
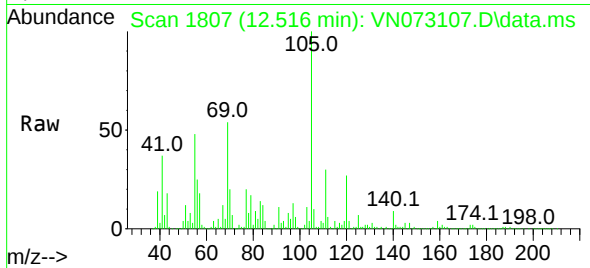




#73
Isopropylbenzene
Concen: 18.547 ug/l
RT: 12.516 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

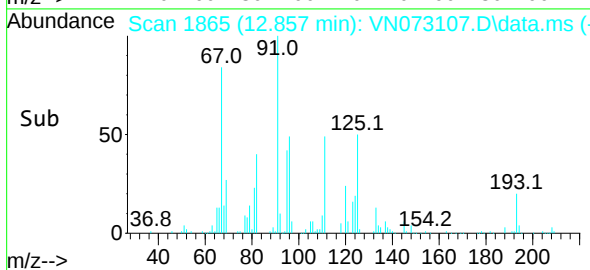
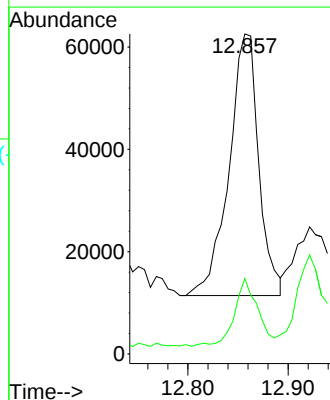
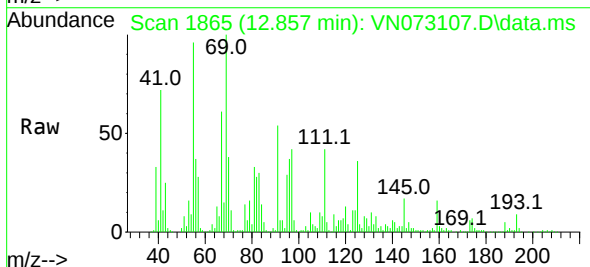
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-2-GR

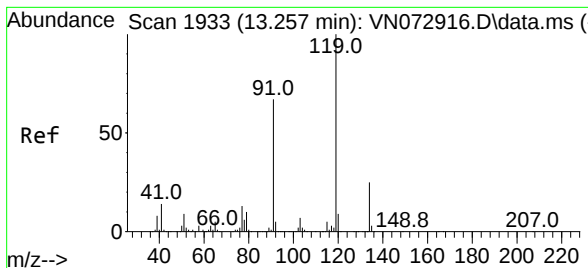
Tgt Ion:105 Resp: 466896
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4



#78
n-propylbenzene
Concen: 3.816 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN073107.D
Acq: 25 Jun 2022 13:51

Tgt Ion: 91 Resp: 105677
Ion Ratio Lower Upper
91 100
120 20.2 11.9 35.5





#83

tert-Butylbenzene

Concen: 4.433 ug/l

RT: 13.263 min Scan# 1933

Delta R.T. 0.006 min

Lab File: VN073107.D

Acq: 25 Jun 2022 13:51

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-2-2-GR

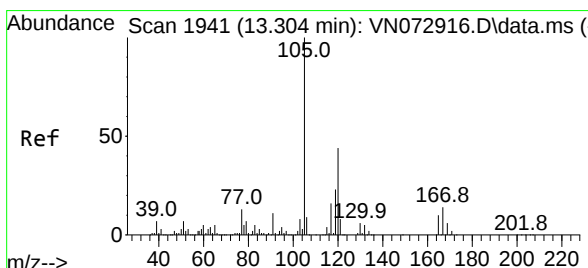
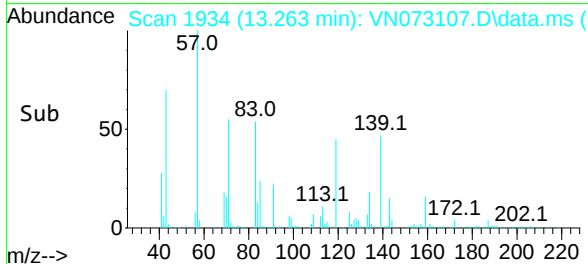
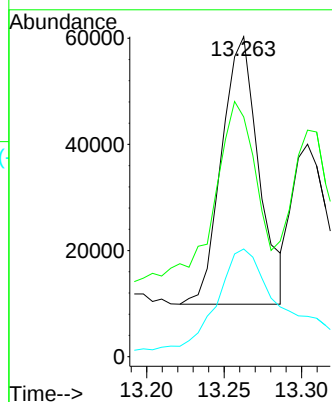
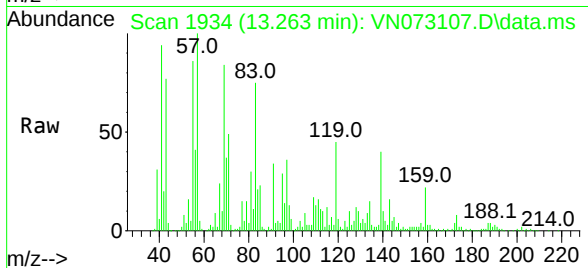
Tgt Ion:119 Resp: 83945

Ion Ratio Lower Upper

119 100

91 74.6 31.6 94.8

134 70.6 13.7 41.1#



#84

1,2,4-Trimethylbenzene

Concen: 22.691 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN073107.D

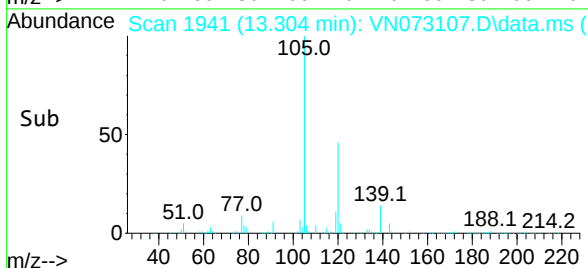
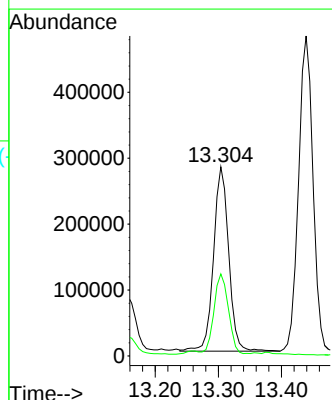
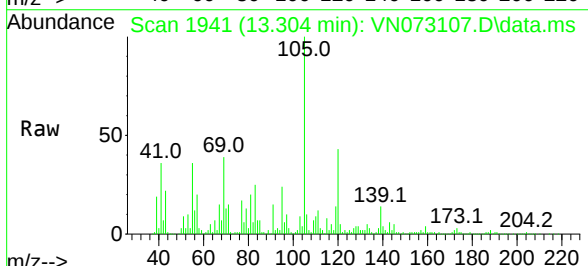
Acq: 25 Jun 2022 13:51

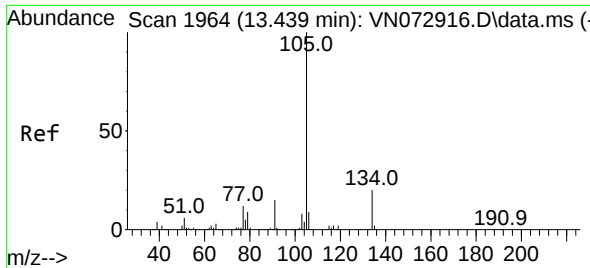
Tgt Ion:105 Resp: 467338

Ion Ratio Lower Upper

105 100

120 41.1 23.3 69.8

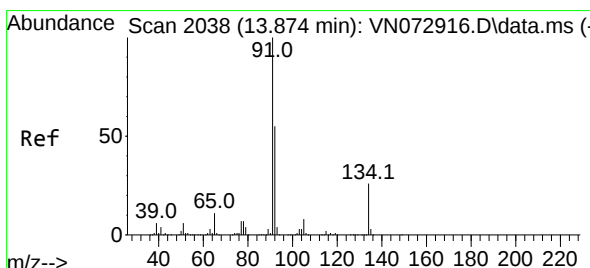
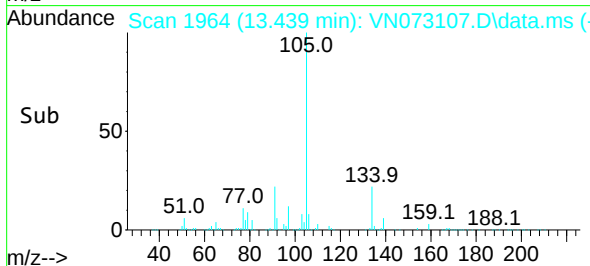
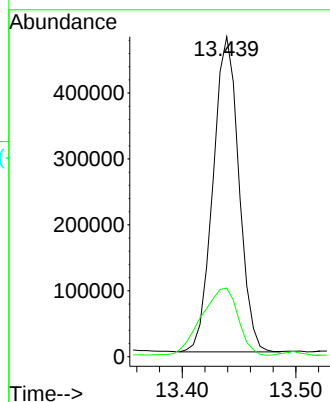
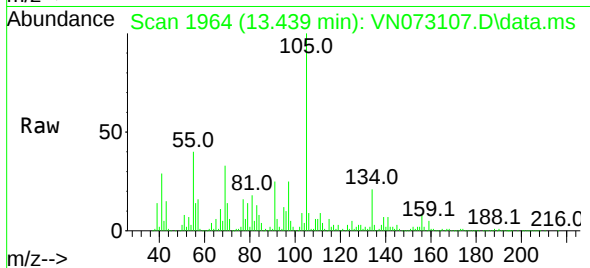




#85
 sec-Butylbenzene
 Concen: 29.949 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073107.D
 Acq: 25 Jun 2022 13:51

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

Tgt Ion:105 Resp: 756618
 Ion Ratio Lower Upper
 105 100
 134 30.2 10.4 31.1



#89
 n-Butylbenzene
 Concen: 21.471 ug/l
 RT: 13.880 min Scan# 2039
 Delta R.T. 0.006 min
 Lab File: VN073107.D
 Acq: 25 Jun 2022 13:51

Tgt Ion: 91 Resp: 358593
 Ion Ratio Lower Upper
 91 100
 92 52.1 26.9 80.7
 134 0.0 13.6 40.8#

