

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069922.D
 Acq On : 9 Dec 2021 19:44
 Operator : JC/MD
 Sample : M4969-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28D

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2021
 Supervised By : Semsettin Yesilyurt 12/15/2021

Quant Time: Dec 10 06:21:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1276879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2343115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2659812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	1206225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	966608	49.029	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.060%		
35) Dibromofluoromethane	8.021	113	703751	47.950	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.900%		
50) Toluene-d8	10.440	98	3094886	52.516	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.040%		
62) 4-Bromofluorobenzene	12.731	95	1372676	64.294	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	128.580%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.374	59	4676589	1254.915	ug/l	99
16) Acetone	4.288	43	228180	19.240	ug/l #	85
22) Diisopropyl ether	6.495	45	270879	5.057	ug/l	97
30) Chloroform	7.844	83	40121	1.432	ug/l #	35
31) Cyclohexane	8.096	56	1645615	59.979	ug/l	90
39) Methylcyclohexane	9.461	83	670923	25.287	ug/l	90
40) Benzene	8.448	78	26148938m	383.528	ug/l	
52) Toluene	10.505	92	654257	15.718	ug/l	100
67) Ethyl Benzene	11.843	91	549552	5.607	ug/l	97
68) m/p-Xylenes	11.948	106	4373070	122.534	ug/l	93
69) o-Xylene	12.280	106	221313	6.156	ug/l	92
73) Isopropylbenzene	12.578	105	3604548	33.587	ug/l	98
78) n-propylbenzene	12.919	91	10158963	85.067	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	372237	4.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.366	105	164250	1.997	ug/l	97
85) sec-Butylbenzene	13.501	105	261514	2.521	ug/l #	70
86) p-Isopropyltoluene	13.616	119	20018m	0.247	ug/l	
89) n-Butylbenzene	13.940	91	259015	3.937	ug/l #	79
95) Naphthalene	15.504	128	4778560	78.588	ug/l	100

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

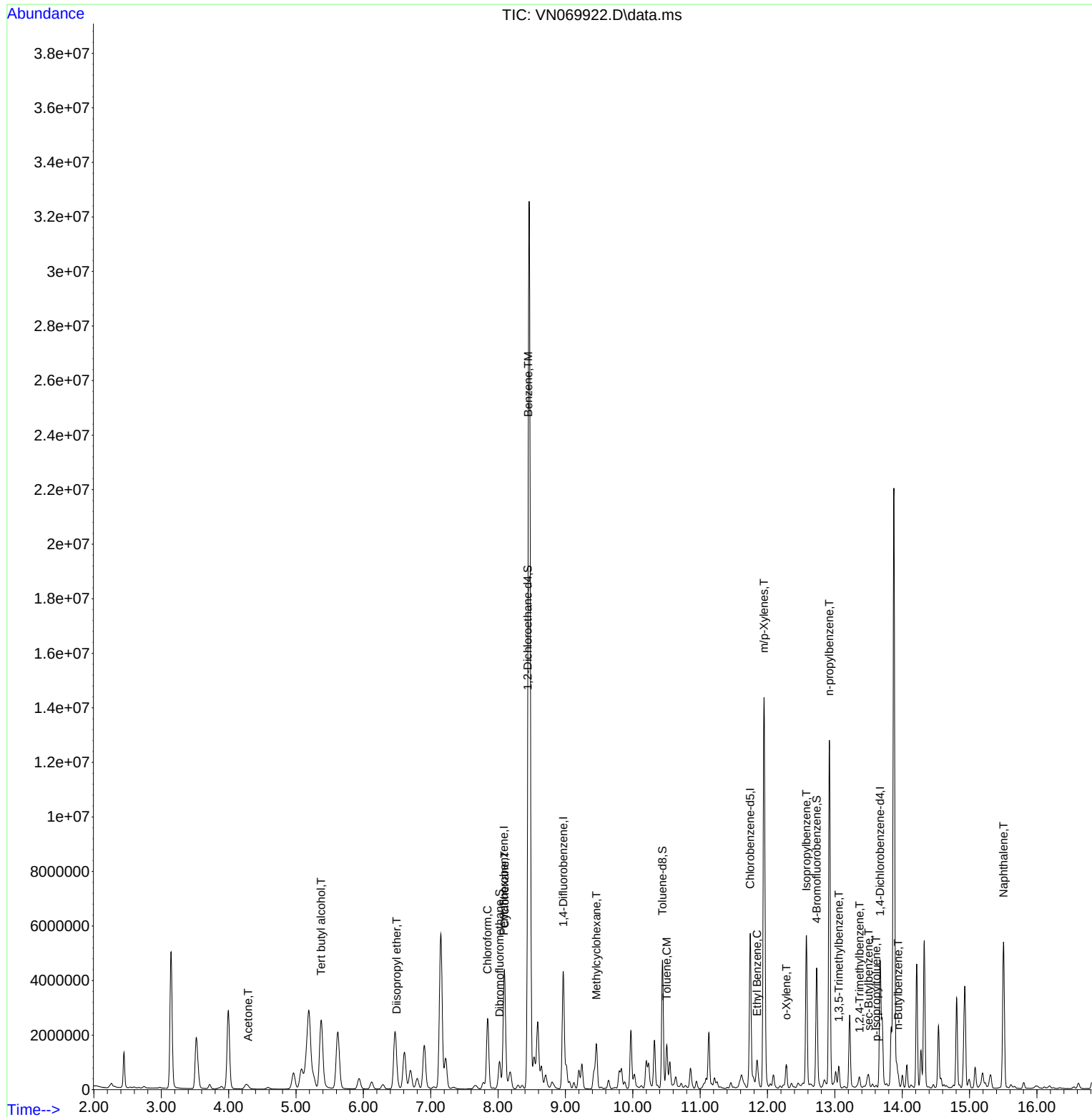
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069922.D
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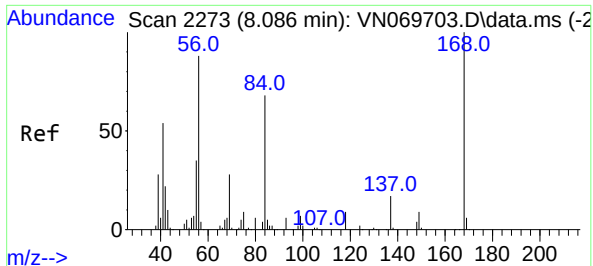
Instrument :
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Quant Time: Dec 10 06:21:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

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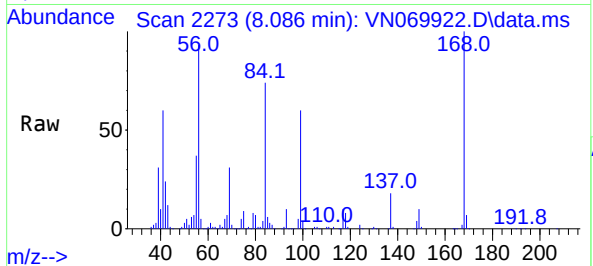
Reviewed By : John Carlone 12/10/2021
Supervised By : Semsettin Yesilyurt 12/15/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

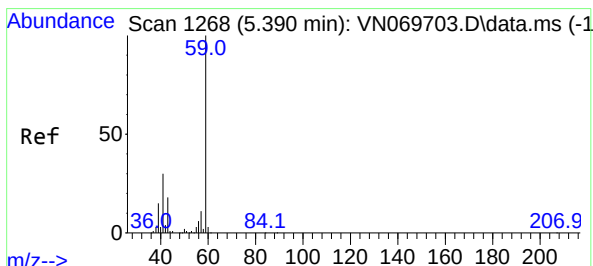
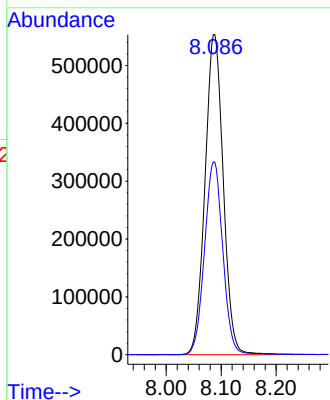
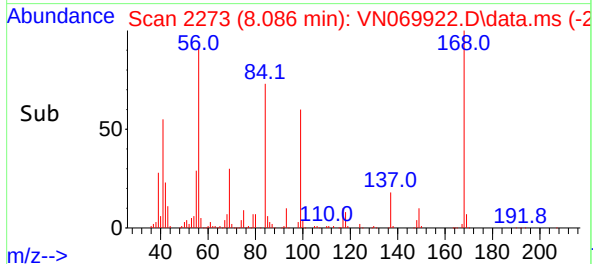
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



Tgt Ion:168 Resp: 1276879
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9

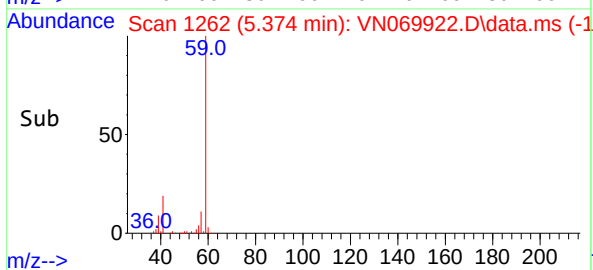
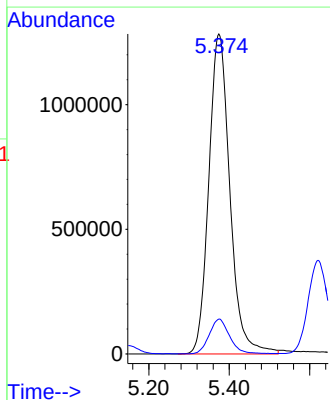
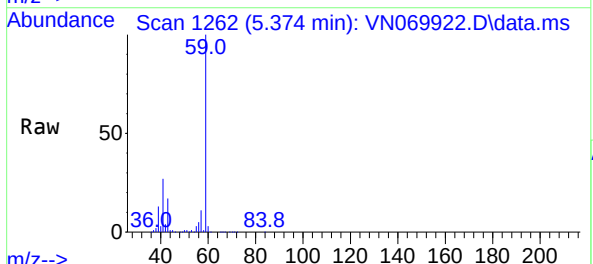
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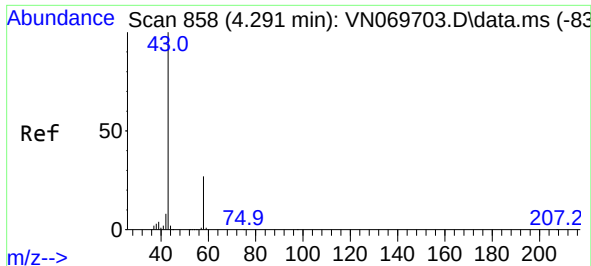
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021



#11
Tert butyl alcohol
Concen: 1254.915 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

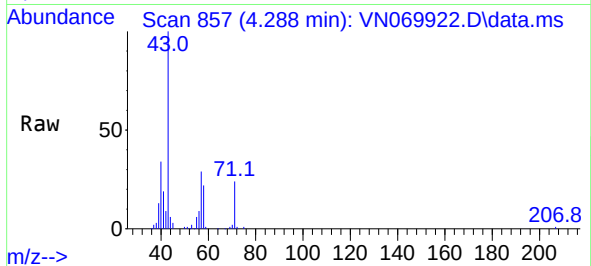
Tgt Ion: 59 Resp: 4676589
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1





#16
Acetone
Concen: 19.240 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

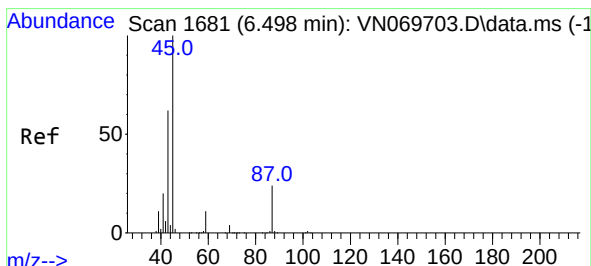
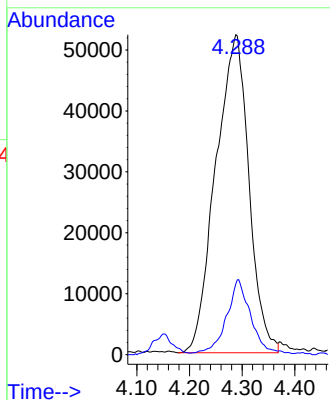
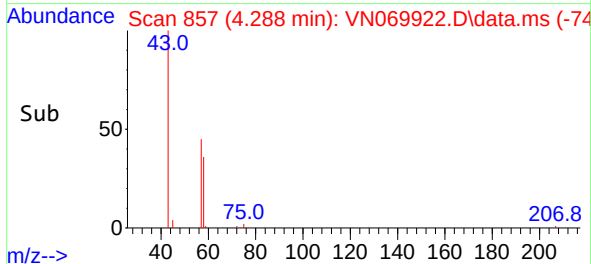
Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 228180
Ion Ratio Lower Upper
43 100
58 21.1 23.1 34.7

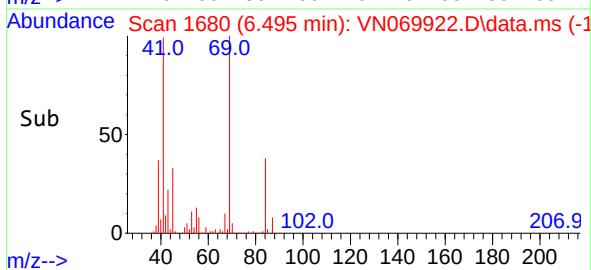
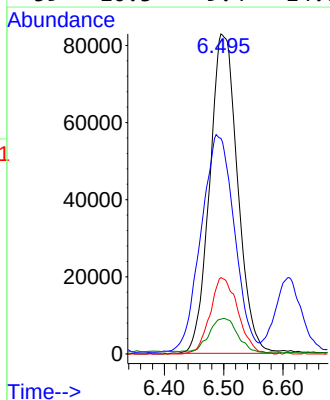
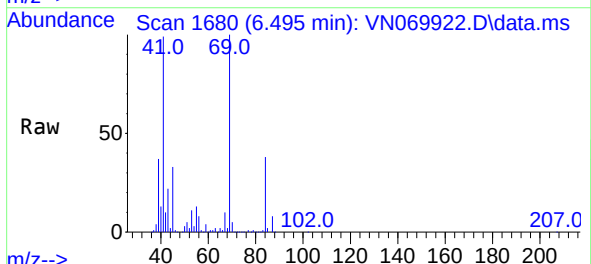
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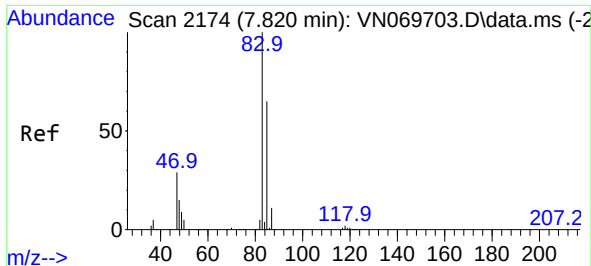
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021



#22
Diisopropyl ether
Concen: 5.057 ug/l
RT: 6.495 min Scan# 1680
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

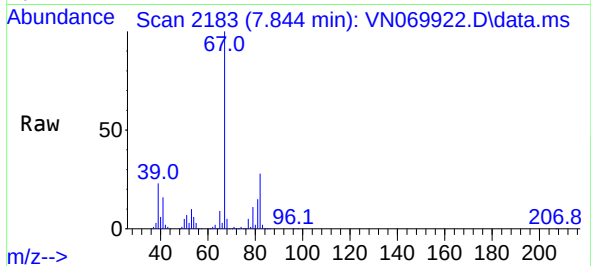
Tgt Ion: 45 Resp: 270879
Ion Ratio Lower Upper
45 100
43 64.9 51.7 77.5
87 23.9 23.2 34.8
59 10.3 9.4 14.0





#30
Chloroform
Concen: 1.432 ug/l
RT: 7.844 min Scan# 2174
Delta R.T. 0.024 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

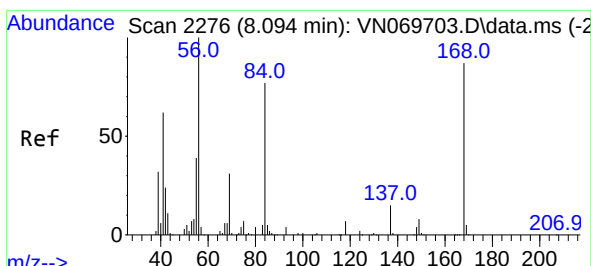
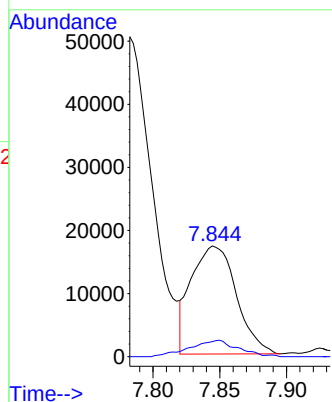
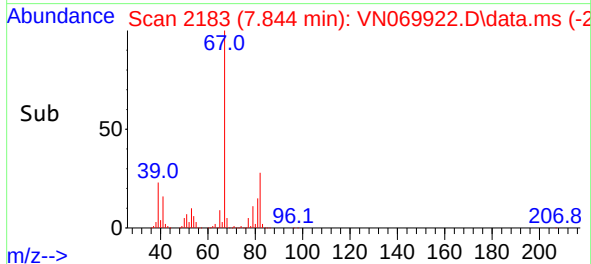
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



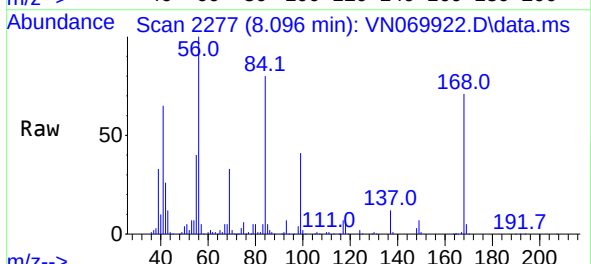
Tgt Ion: 83 Resp: 4012
Ion Ratio Lower Upper
83 100
85 13.9 51.9 77.9

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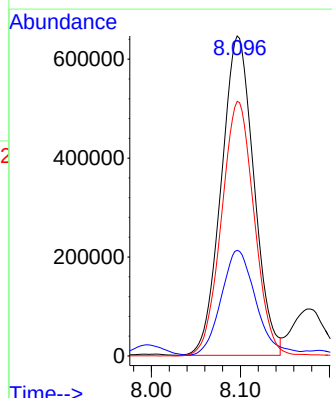
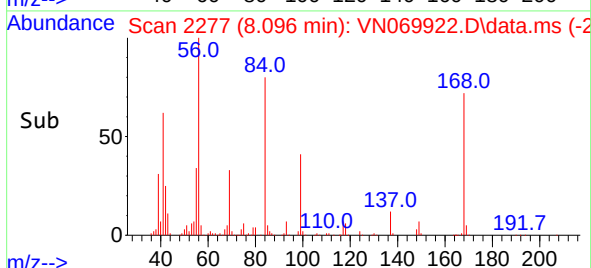
Reviewed By :John Carlone 12/10/2021
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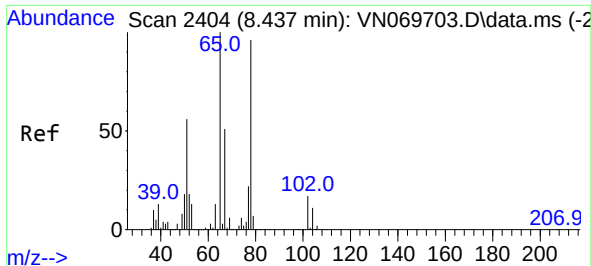


#31
Cyclohexane
Concen: 59.979 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



Tgt Ion: 56 Resp: 1645615
Ion Ratio Lower Upper
56 100
69 32.5 27.1 40.7
84 79.7 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.029 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN069922.D

Acq: 9 Dec 2021 19:44

Instrument :

MSVOA_N

ClientSampleId :

MW-28D

Tgt Ion: 65 Resp: 966608

Ion Ratio Lower Upper

65 100

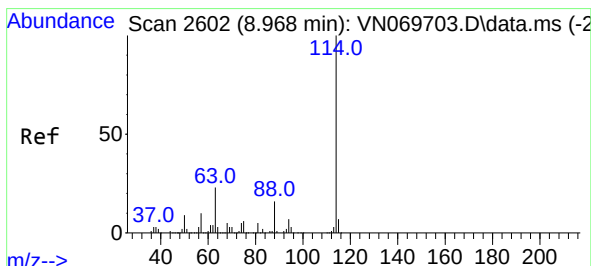
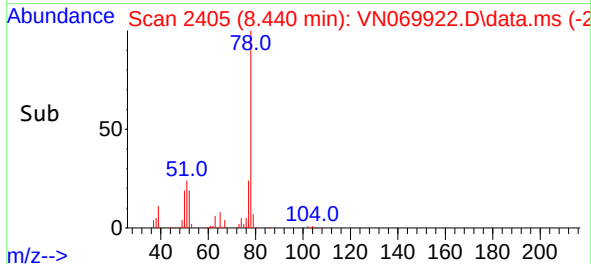
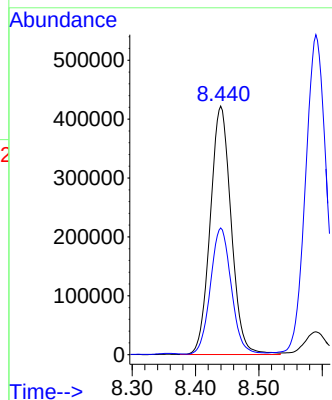
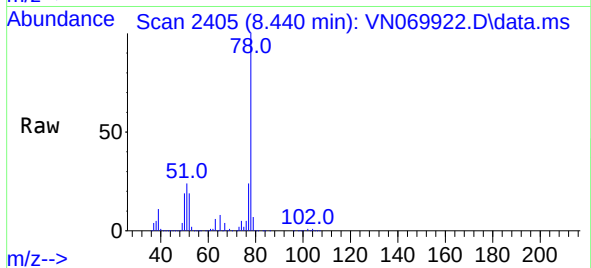
67 50.6 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069922.D

Acq: 9 Dec 2021 19:44

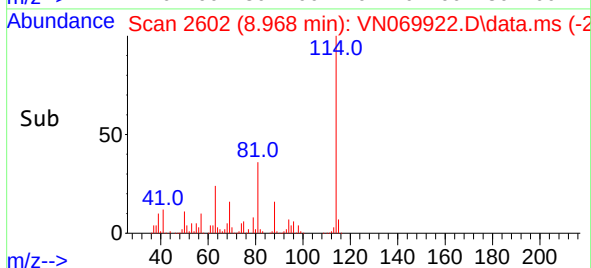
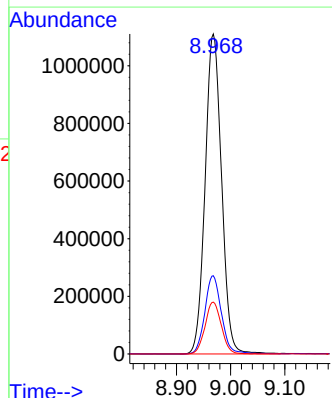
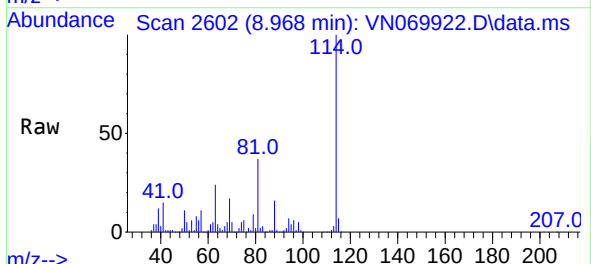
Tgt Ion:114 Resp: 2343115

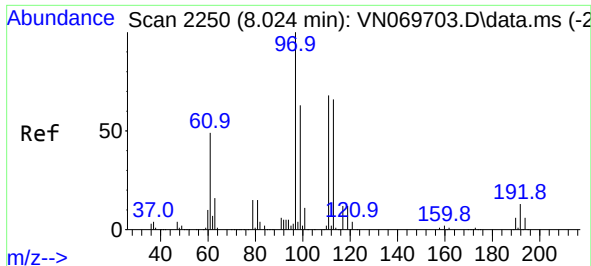
Ion Ratio Lower Upper

114 100

63 24.4 0.0 37.8

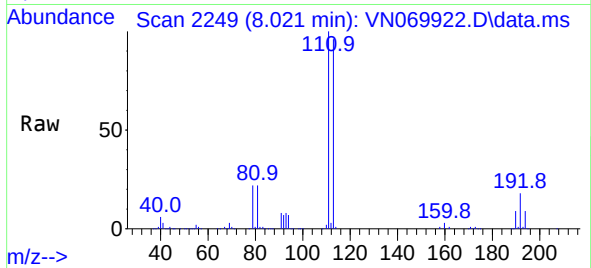
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 47.950 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

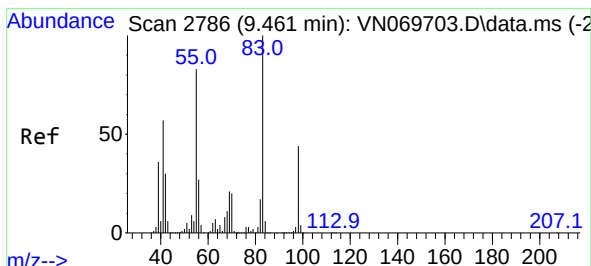
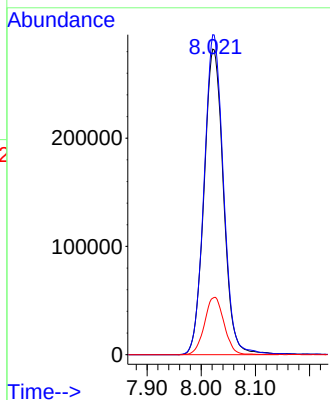
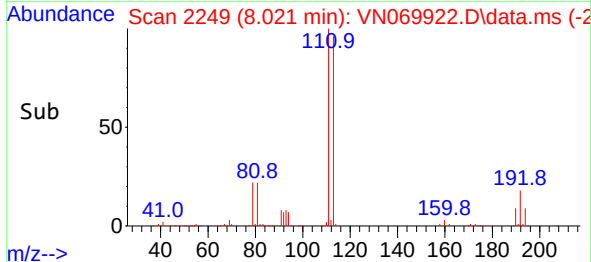
Instrument :
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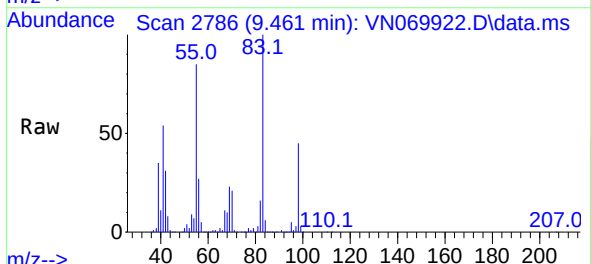
Tgt Ion: 113 Resp: 70375
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 18.9 16.9 25.3

Manual Integrations
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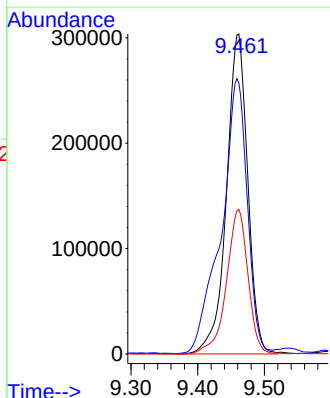
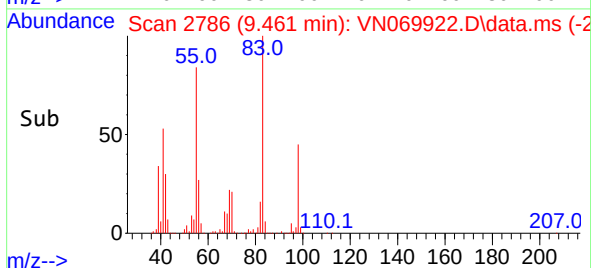
Reviewed By :John Carlone 12/10/2021
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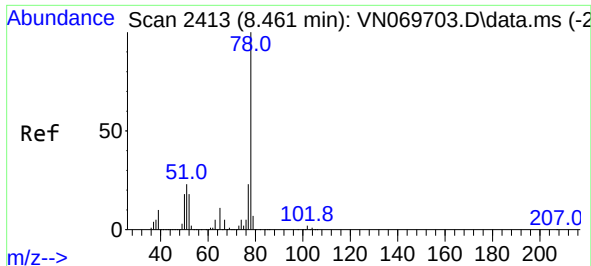


#39
Methylcyclohexane
Concen: 25.287 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



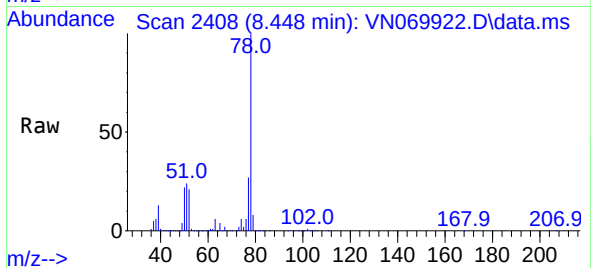
Tgt Ion: 83 Resp: 670923
Ion Ratio Lower Upper
83 100
55 84.6 58.1 87.1
98 45.2 38.4 57.6





#40
Benzene
Concen: 383.528 ug/l m
RT: 8.448 min Scan# 2413
Delta R.T. -0.013 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

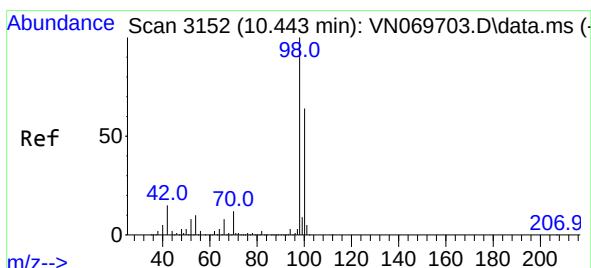
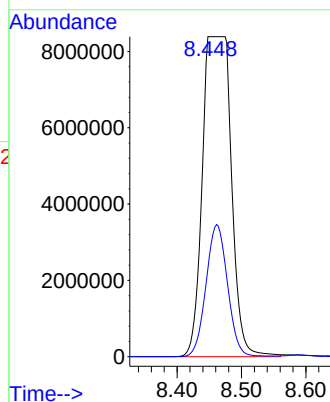
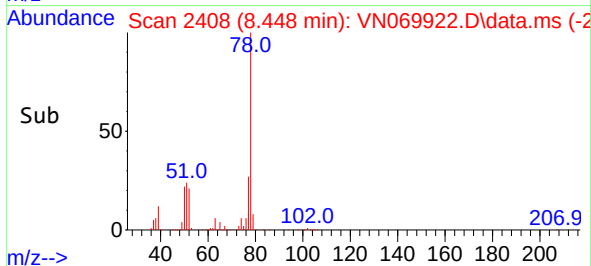
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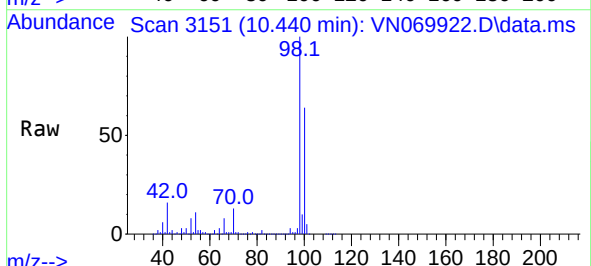
Tgt Ion: 78 Resp: 26148938
Ion Ratio Lower Upper
78 100
77 27.4 18.6 27.8

Manual Integrations
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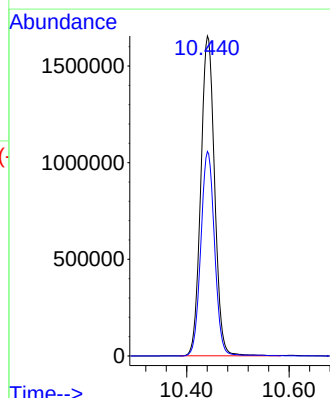
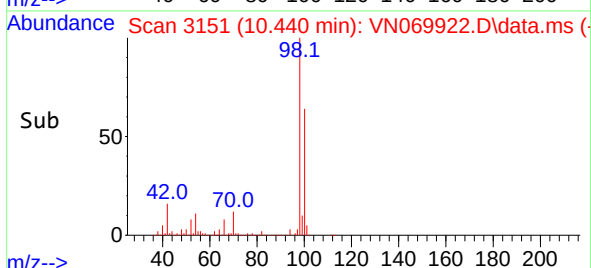
Reviewed By :John Carlone 12/10/2021
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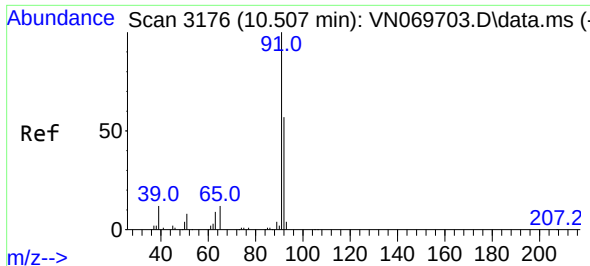


#50
Toluene-d8
Concen: 52.516 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



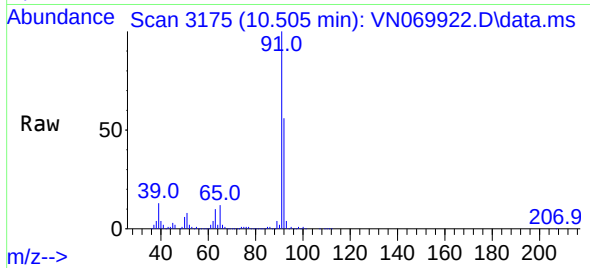
Tgt Ion: 98 Resp: 3094886
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6





#52
Toluene
Concen: 15.718 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

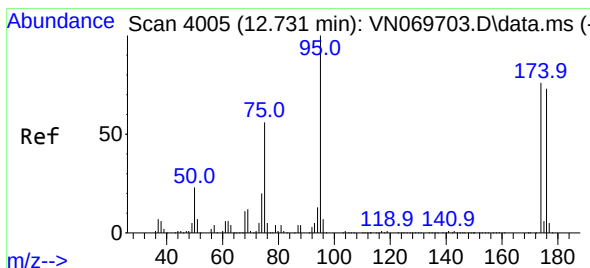
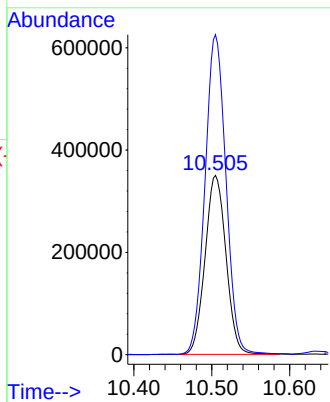
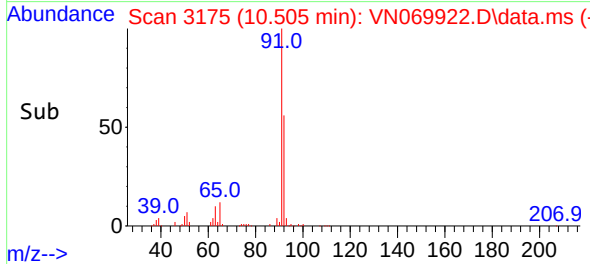
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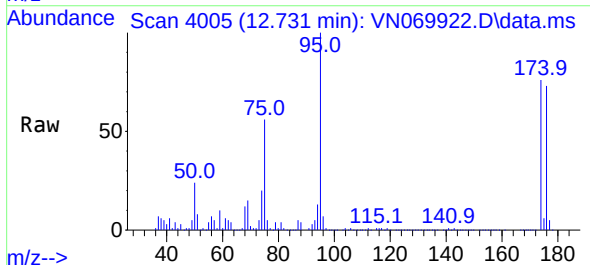
Tgt Ion: 92 Resp: 65425
Ion Ratio Lower Upper
92 100
91 178.2 142.0 213.0

Manual Integrations
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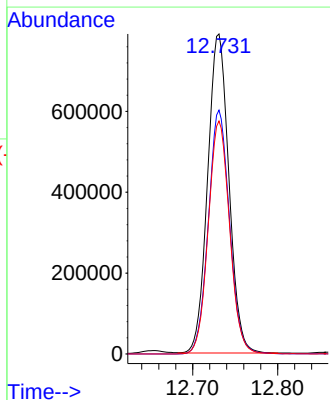
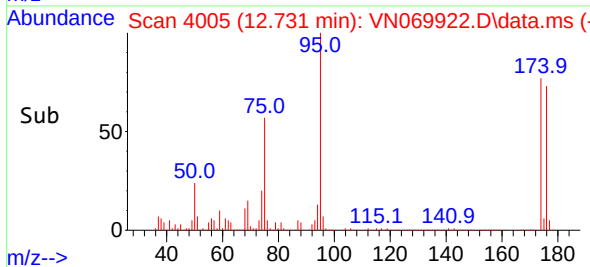
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021

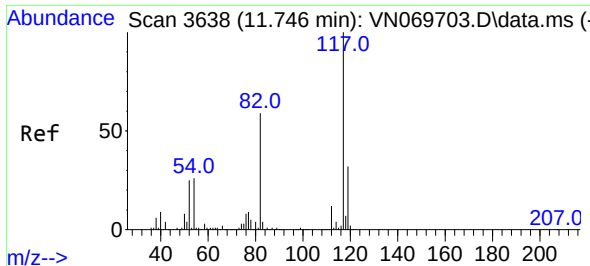


#62
4-Bromofluorobenzene
Concen: 64.294 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



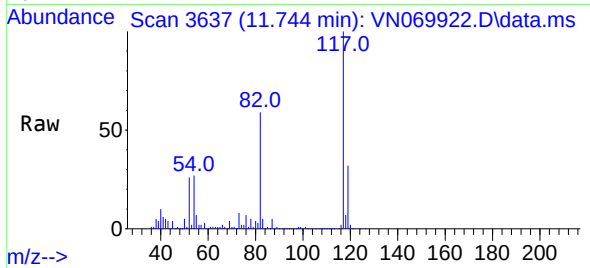
Tgt Ion: 95 Resp: 1372676
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.3 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

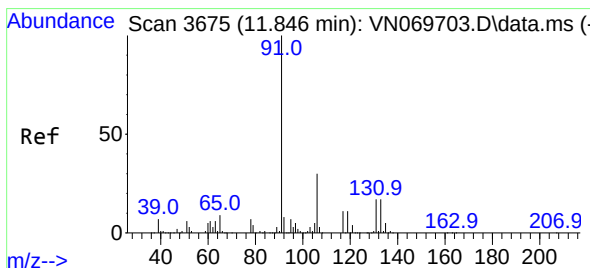
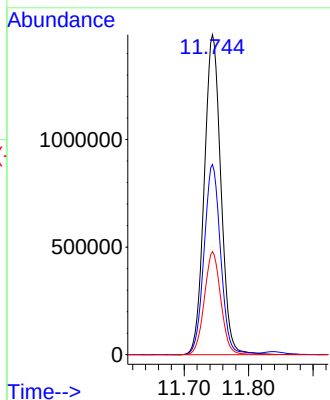
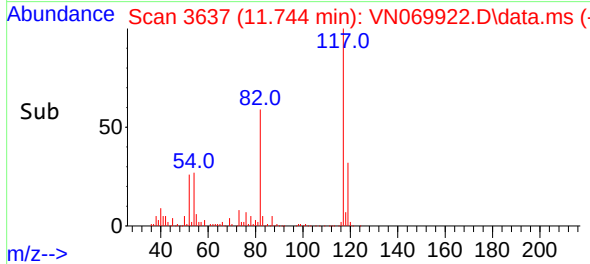
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



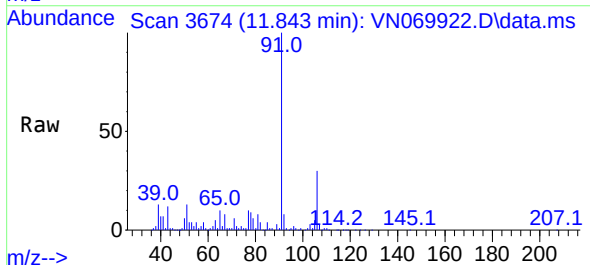
Tgt Ion: 117 Resp: 265981
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.2 25.4 38.2

Manual Integrations
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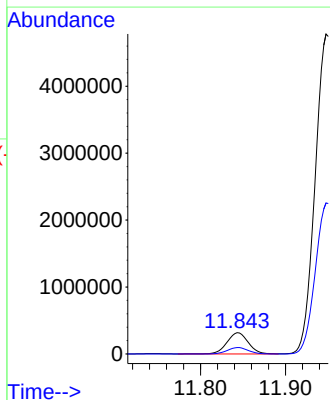
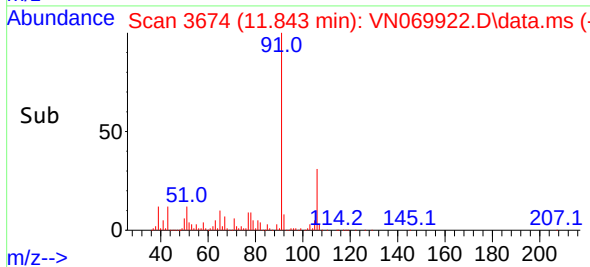
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021

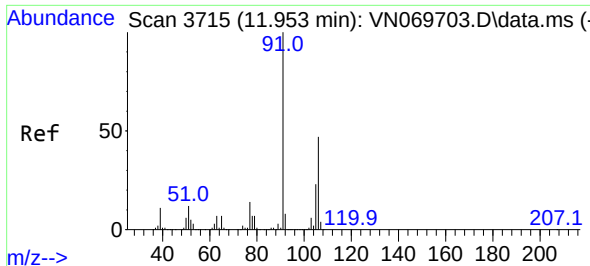


#67
Ethyl Benzene
Concen: 5.607 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



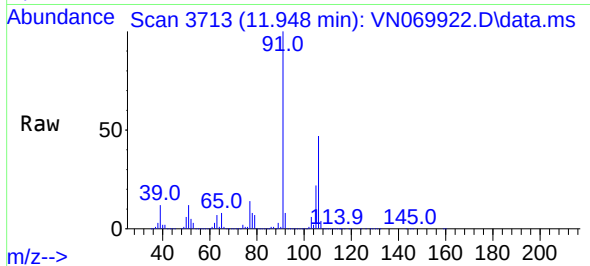
Tgt Ion: 91 Resp: 549552
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5





#68
m/p-Xylenes
Concen: 122.534 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

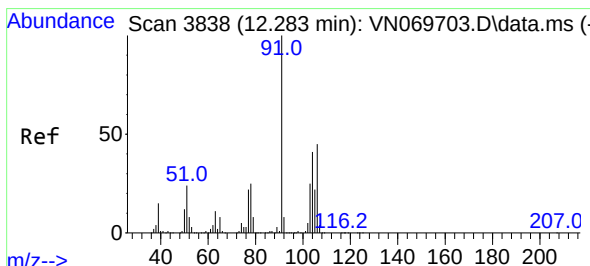
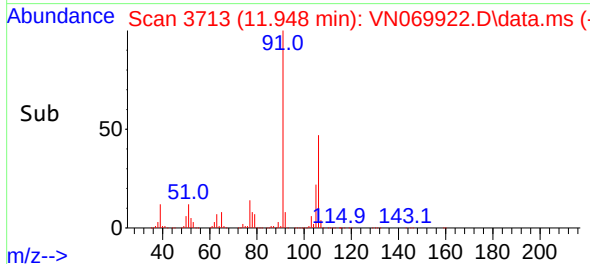
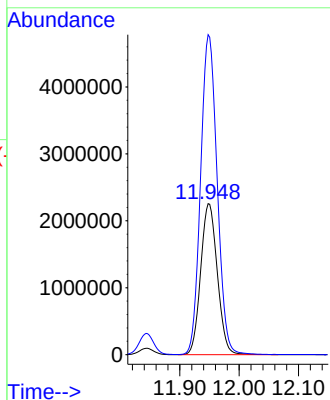
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



Tgt Ion:106 Resp: 4373070
Ion Ratio Lower Upper
106 100
91 211.4 160.6 240.8

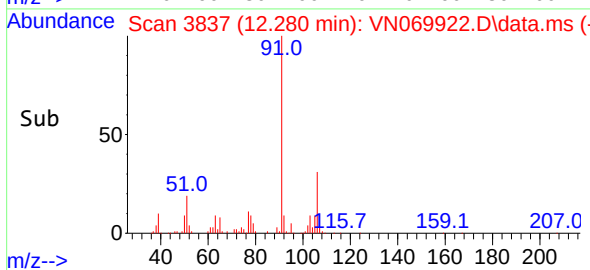
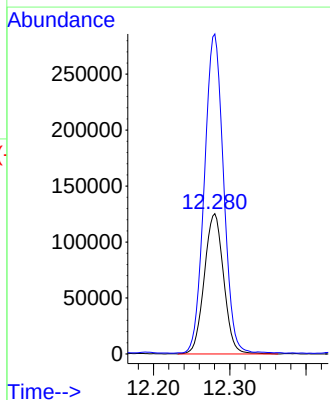
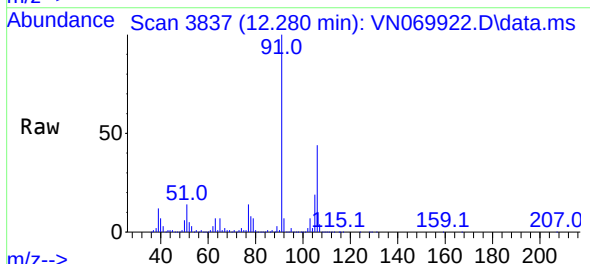
Manual Integrations
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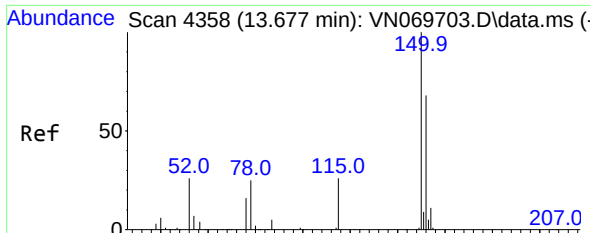
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021



#69
o-Xylene
Concen: 6.156 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

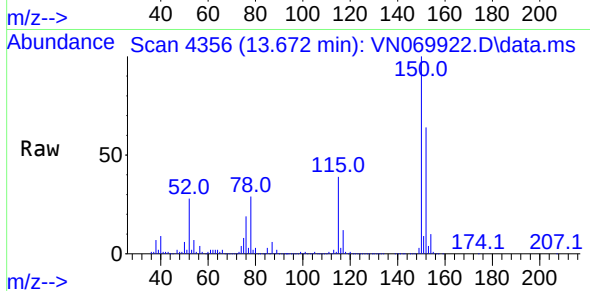
Tgt Ion:106 Resp: 221313
Ion Ratio Lower Upper
106 100
91 224.5 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4358
Delta R.T. -0.005 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

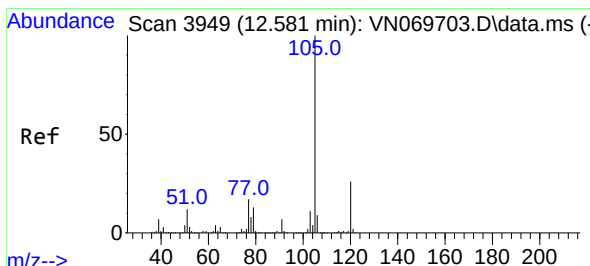
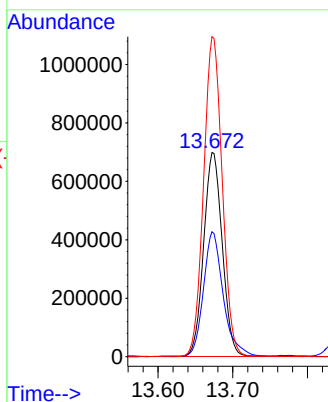
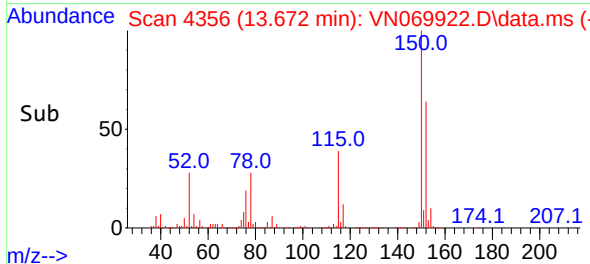
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



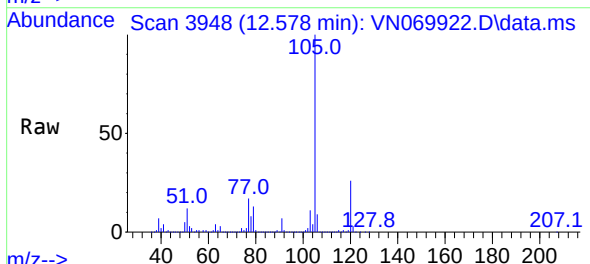
Tgt Ion:152 Resp: 1206225
Ion Ratio Lower Upper
152 100
115 64.3 27.5 82.5
150 157.0 0.0 344.4

Manual Integrations
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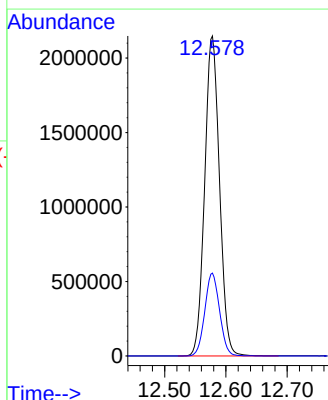
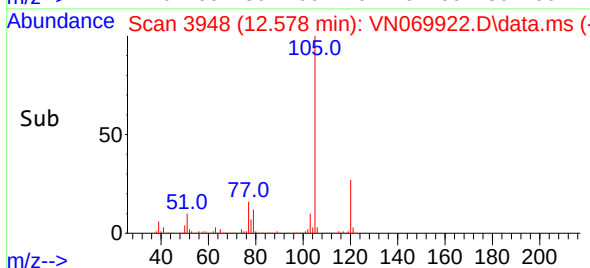
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021

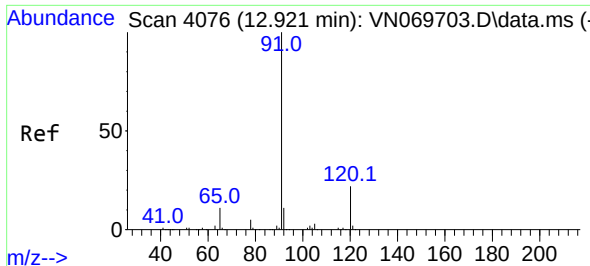


#73
Isopropylbenzene
Concen: 33.587 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



Tgt Ion:105 Resp: 3604548
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





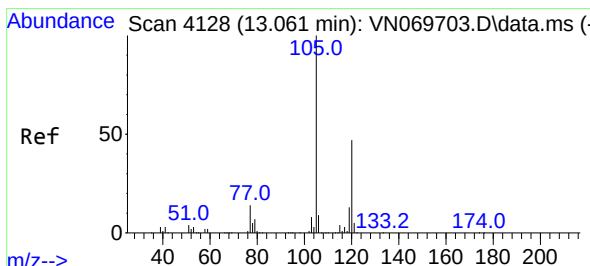
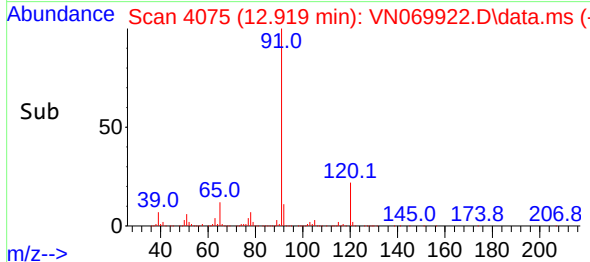
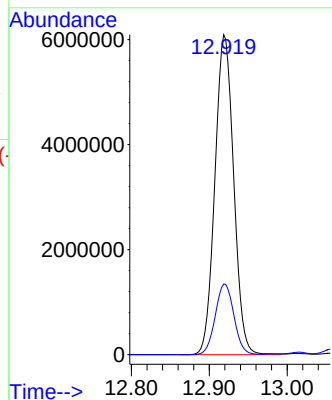
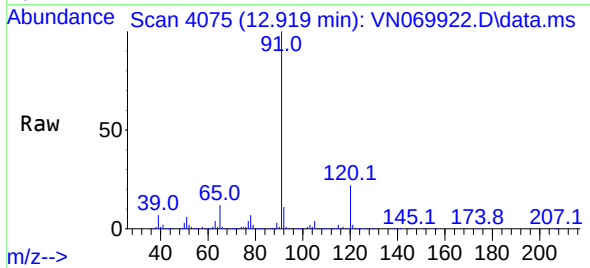
#78
n-propylbenzene
Concen: 85.067 ug/l
RT: 12.919 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :
MW-28D

Tgt Ion: 91 Resp:1015896
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.9

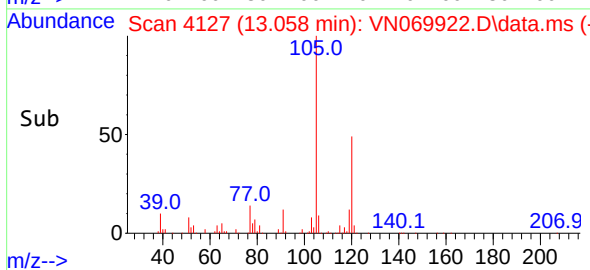
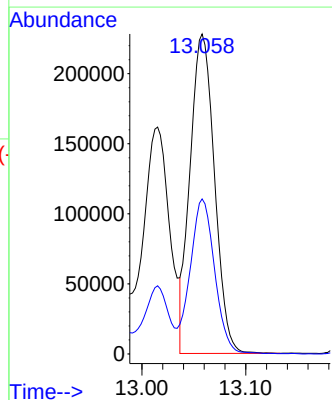
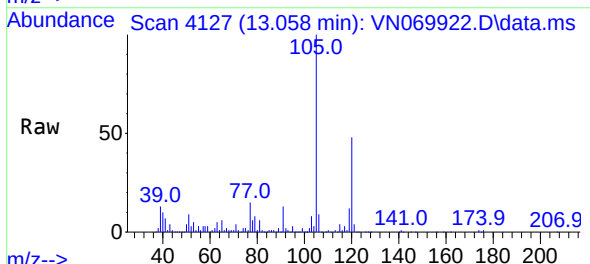
Manual Integrations
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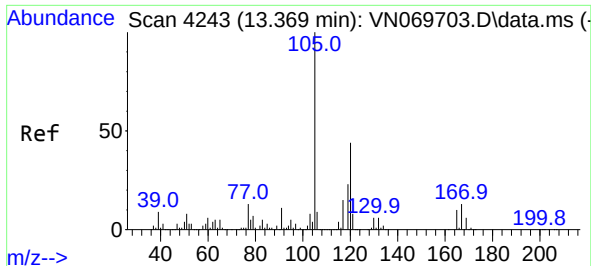
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#80
1,3,5-Trimethylbenzene
Concen: 4.309 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

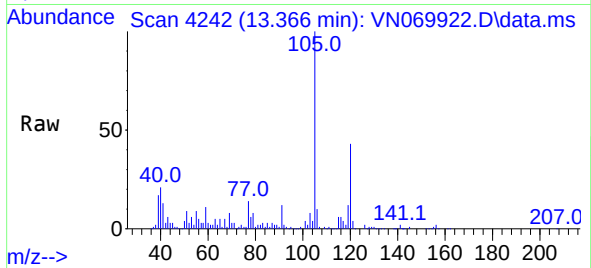
Tgt Ion:105 Resp: 372237
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 1.997 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

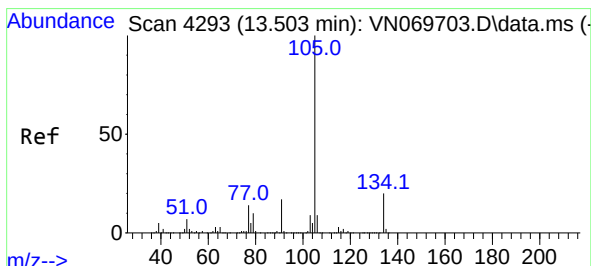
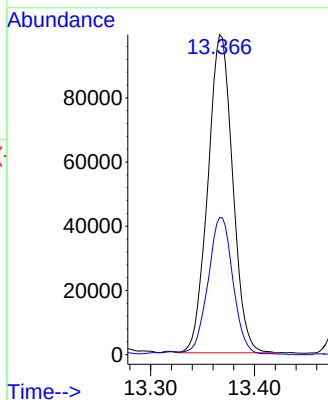
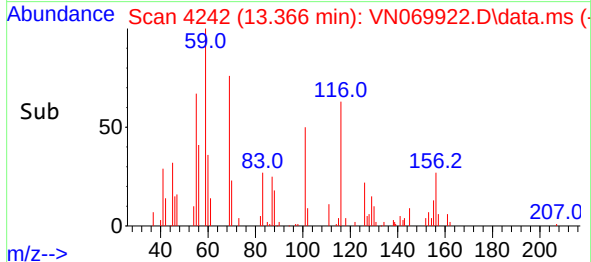
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



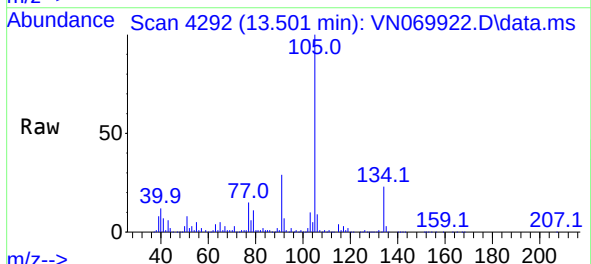
Tgt Ion:105 Resp: 164250
Ion Ratio Lower Upper
105 100
120 43.7 22.8 68.4

Manual Integrations
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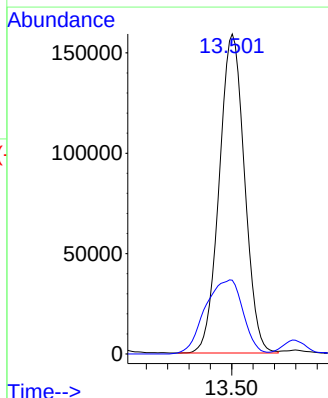
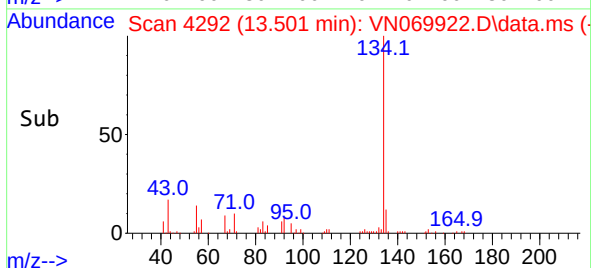
Reviewed By :John Carlone 12/10/2021
Supervised By :Semsettin Yesilyurt 12/15/2021

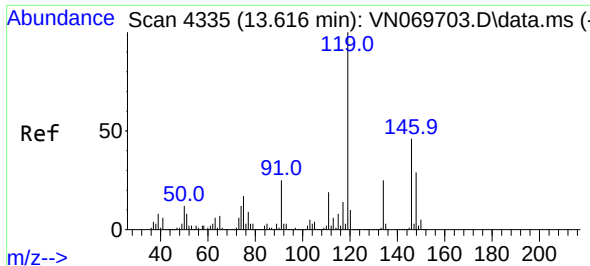


#85
sec-Butylbenzene
Concen: 2.521 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



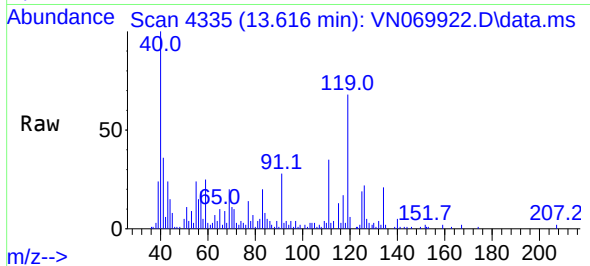
Tgt Ion:105 Resp: 261514
Ion Ratio Lower Upper
105 100
134 34.7 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 0.247 ug/l m
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

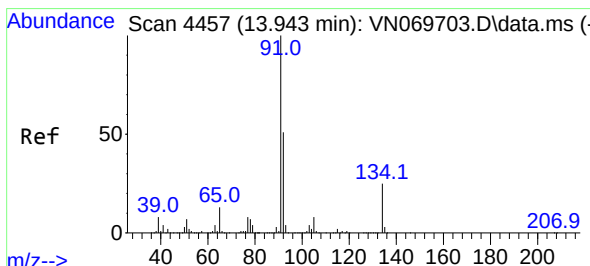
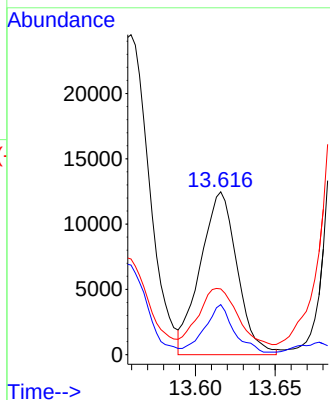
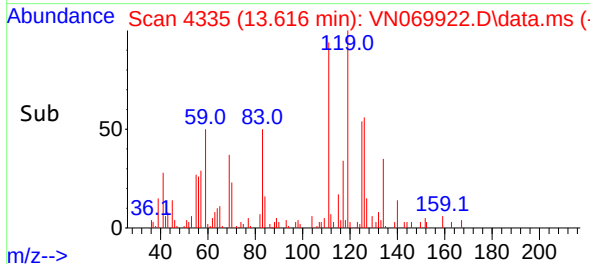
Instrument :
MSVOA_N
ClientSampleId :
MW-28D



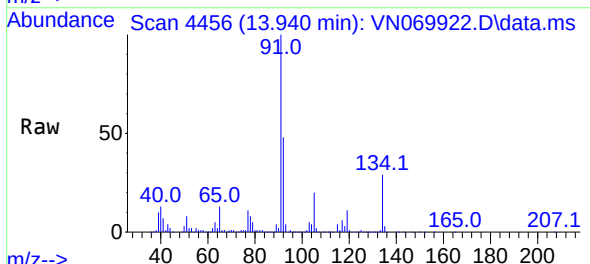
Tgt Ion:119 Resp: 20018
Ion Ratio Lower Upper
119 100
134 0.0 13.6 40.7
91 0.0 11.4 34.1

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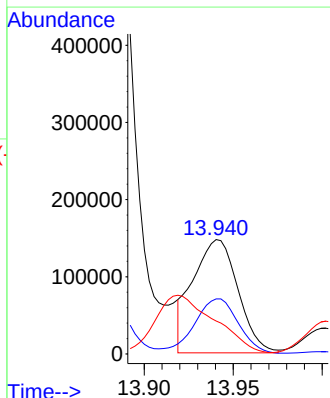
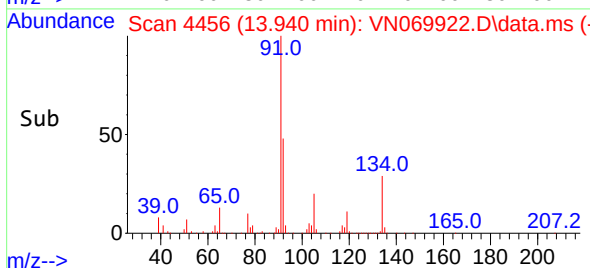
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Supervised By :Semsettin Yesilyurt 12/15/2021

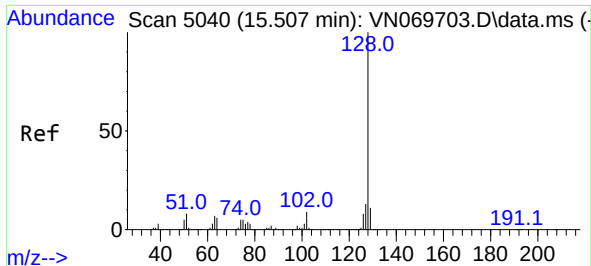


#89
n-Butylbenzene
Concen: 3.937 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44



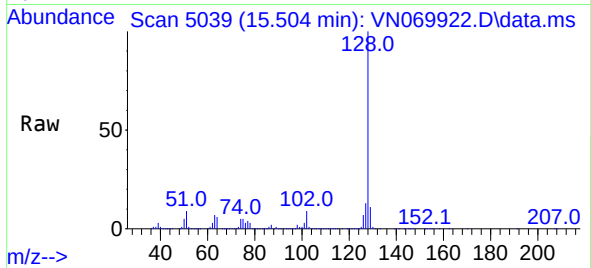
Tgt Ion: 91 Resp: 259015
Ion Ratio Lower Upper
91 100
92 47.7 25.4 76.0
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 78.588 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069922.D
Acq: 9 Dec 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :
MW-28D



Tgt Ion:128 Resp: 4778560
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1

Manual Integrations
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Supervised By :Semsettin Yesilyurt 12/15/2021

