

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070269.D
 Acq On : 21 Dec 2021 15:53
 Operator : JC/MD
 Sample : M5039-08DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2021
 Supervised By : Semsettin Yesilyurt 12/23/2021

Quant Time: Dec 21 20:11:27 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	8.085	168	869292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1454577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1296976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	529802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	711622	53.020	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.040%			
35) Dibromofluoromethane	8.021	113	466731	51.226	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.460%			
50) Toluene-d8	10.440	98	1836358	50.195	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.731	95	660860	49.862	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.720%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.377	59	138921	54.757	ug/l	100
16) Acetone	4.296	43	45571	5.644	ug/l	92
19) Methyl tert-butyl Ether	5.615	73	1509597	46.887	ug/l #	90
25) 2-Butanone	7.343	43	21798	1.987	ug/l	91
31) Cyclohexane	8.094	56	94696m	5.070	ug/l	
39) Methylcyclohexane	9.459	83	42444	2.577	ug/l	93
40) Benzene	8.461	78	1983465	46.862	ug/l	99
52) Toluene	10.505	92	4861122	188.122	ug/l	97
67) Ethyl Benzene	11.843	91	3485971	72.936	ug/l	96
68) m/p-Xylenes	11.953	106	4424796	254.263	ug/l	92
69) o-Xylene	12.280	106	2772429	158.162	ug/l	91
73) Isopropylbenzene	12.578	105	330390	7.009	ug/l	98
78) n-propylbenzene	12.921	91	617001	11.763	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	1375042	36.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.366	105	4613857	127.692	ug/l	98
85) sec-Butylbenzene	13.500	105	15686m	0.344	ug/l	
86) p-Isopropyltoluene	13.613	119	9747m	0.274	ug/l	

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

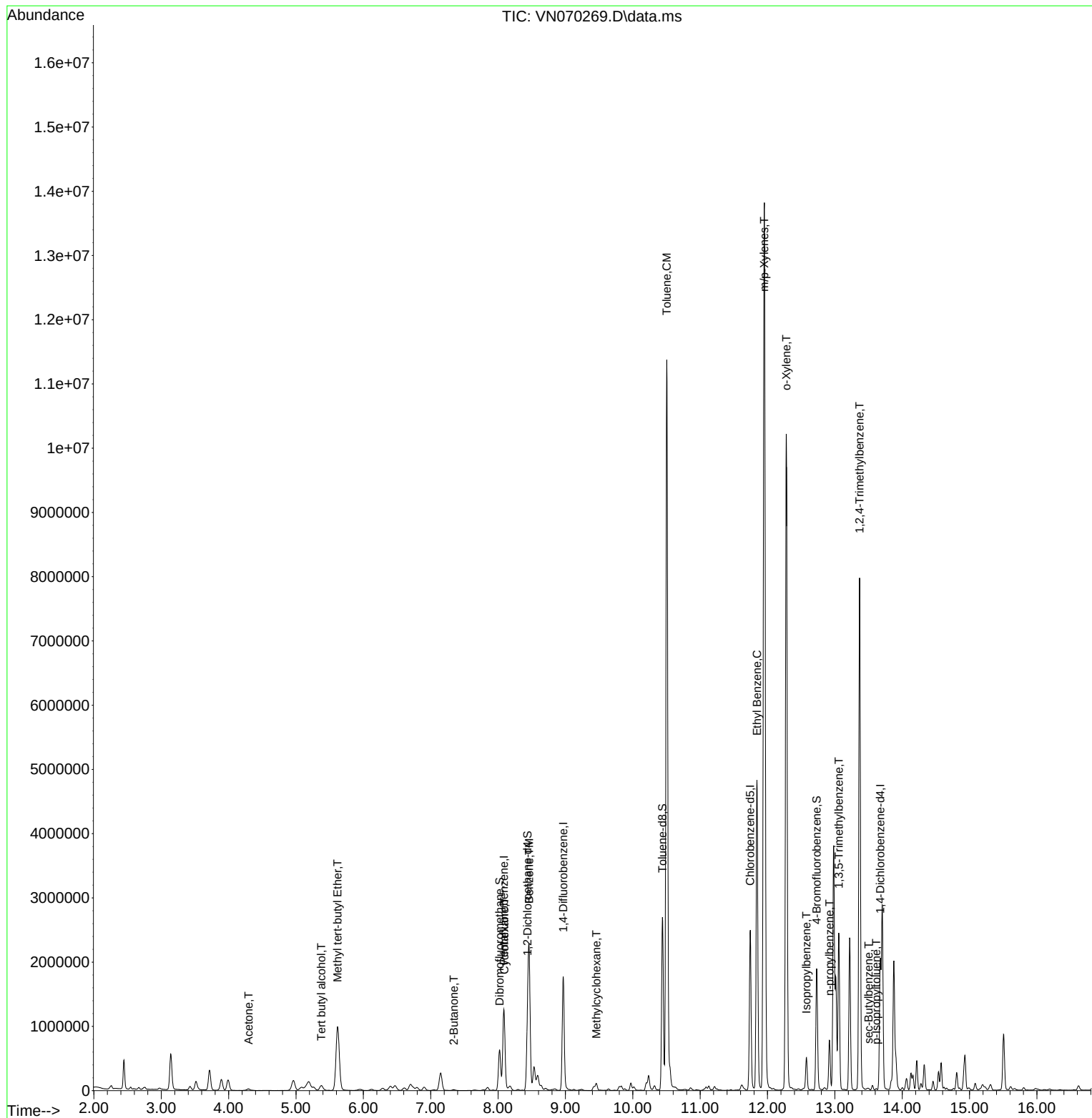
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
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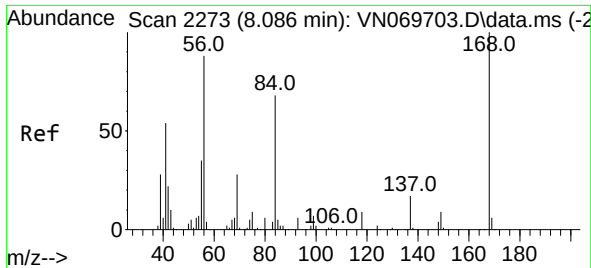
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

Quant Time: Dec 21 20:11:27 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

Manual Integrations
APPROVED

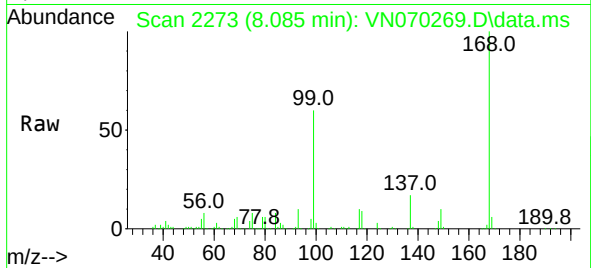
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

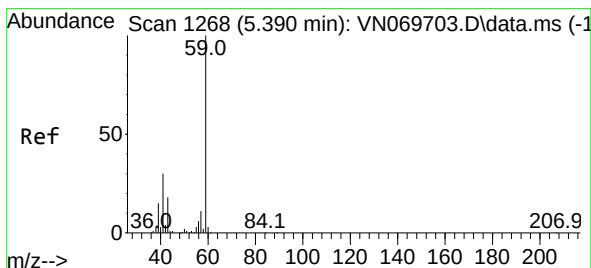
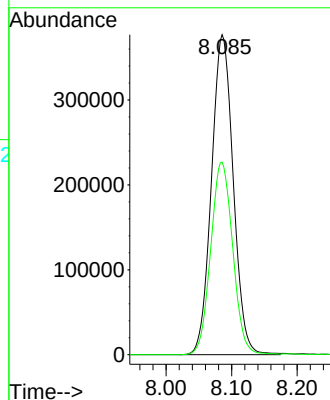
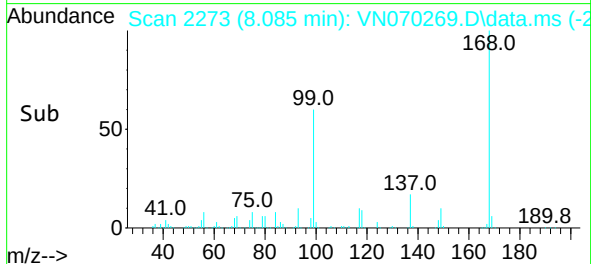
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL



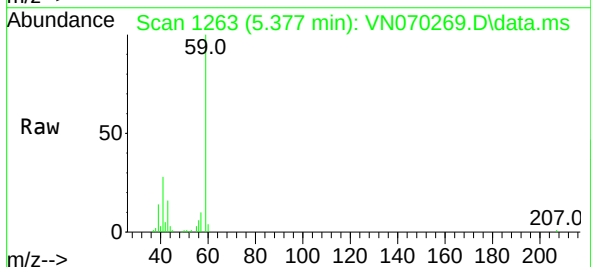
Tgt Ion:168 Resp: 869292
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9

Manual Integrations
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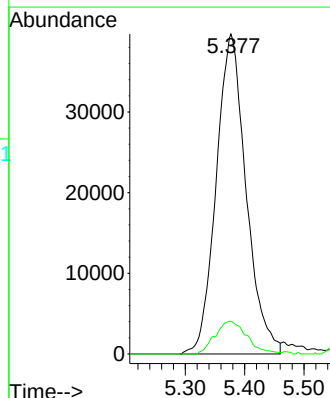
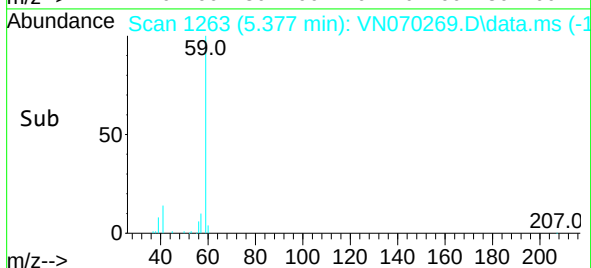
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

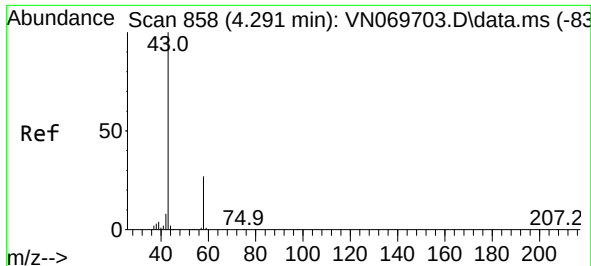


#11
Tert butyl alcohol
Concen: 54.757 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53



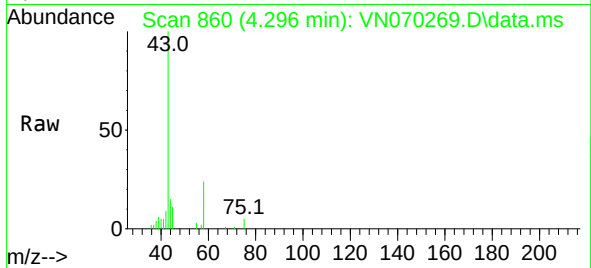
Tgt Ion: 59 Resp: 138921
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1





#16
Acetone
Concen: 5.644 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

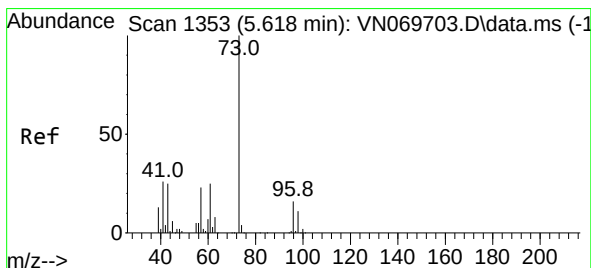
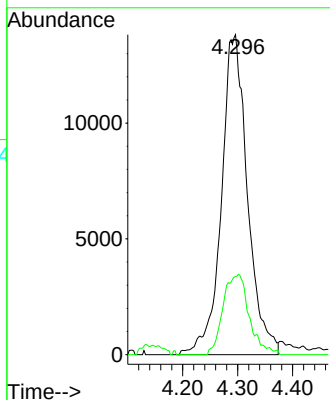
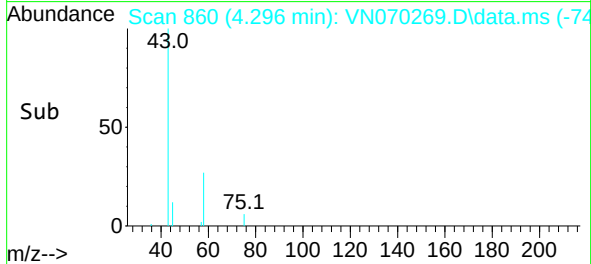
Instrument :
MSVOA_N
Client SampleId :
MW-28DL



Tgt Ion: 43 Resp: 4557
Ion Ratio Lower Upper
43 100
58 24.4 23.1 34.7

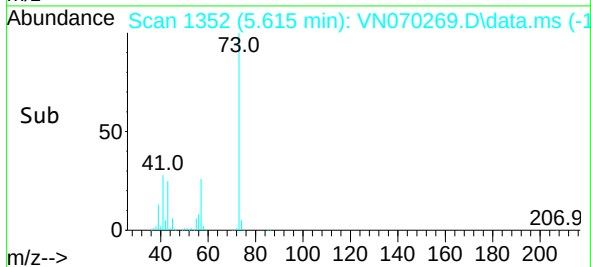
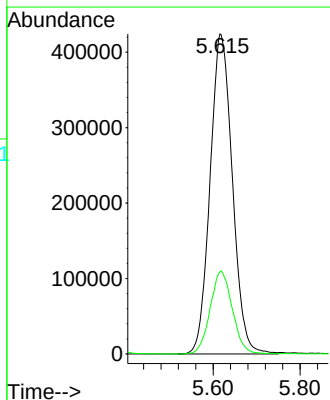
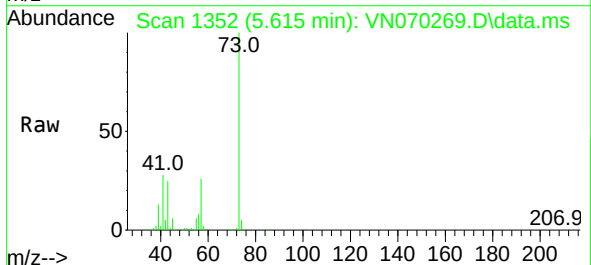
Manual Integrations
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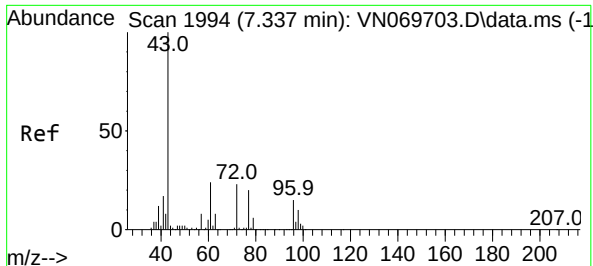
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#19
Methyl tert-butyl Ether
Concen: 46.887 ug/l
RT: 5.615 min Scan# 1352
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

Tgt Ion: 73 Resp: 1509597
Ion Ratio Lower Upper
73 100
57 25.7 16.8 25.2#





#25

2-Butanone

Concen: 1.987 ug/l

RT: 7.343 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN070269.D

Acq: 21 Dec 2021 15:53

Instrument :

MSVOA_N

ClientSampleId :

MW-28DL

Tgt Ion: 43 Resp: 21798

Ion Ratio Lower Upper

43 100

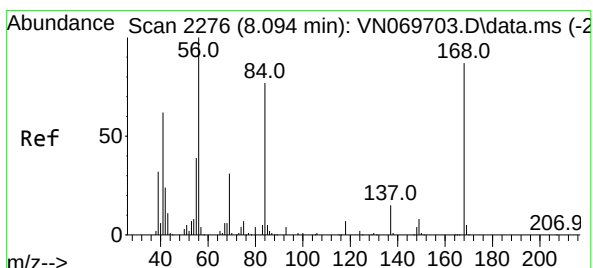
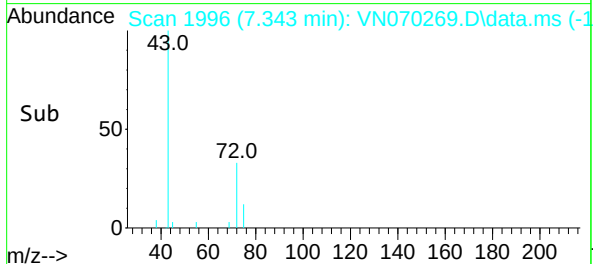
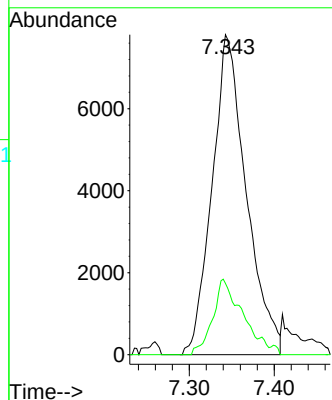
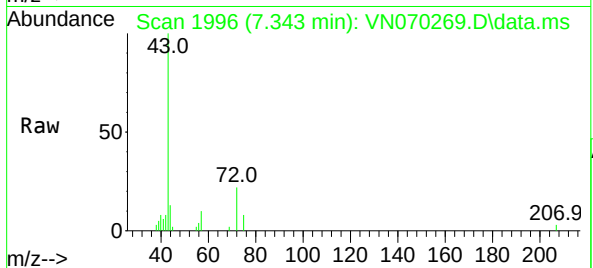
72 22.3 21.7 32.5

Manual Integrations

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#31

Cyclohexane

Concen: 5.070 ug/l m

RT: 8.094 min Scan# 2276

Delta R.T. -0.000 min

Lab File: VN070269.D

Acq: 21 Dec 2021 15:53

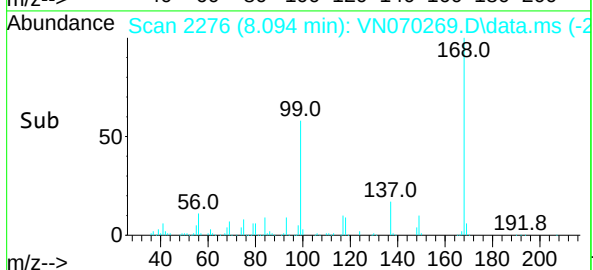
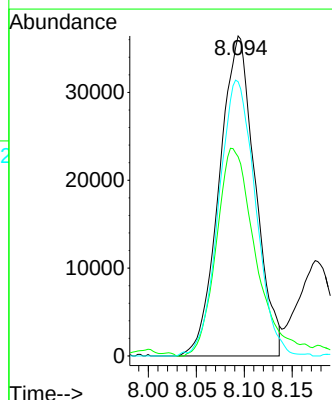
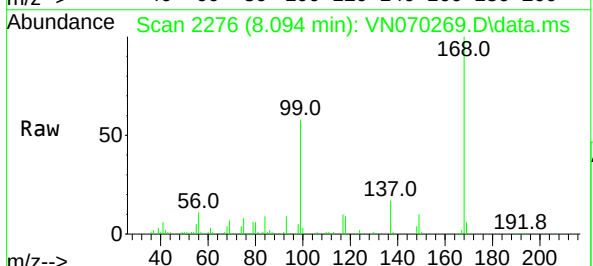
Tgt Ion: 56 Resp: 94696

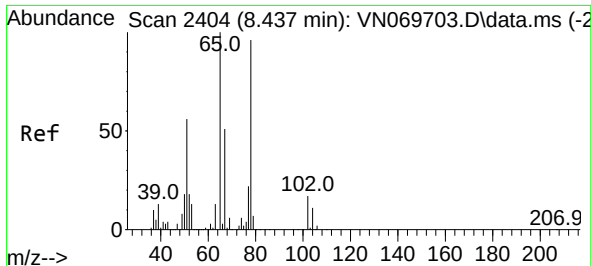
Ion Ratio Lower Upper

56 100

69 62.3 27.1 40.7#

84 85.7 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 53.020 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070269.D

Acq: 21 Dec 2021 15:53

Instrument :

MSVOA_N

ClientSampleId :

MW-28DL

Tgt Ion: 65 Resp: 71162

Ion Ratio Lower Upper

65 100

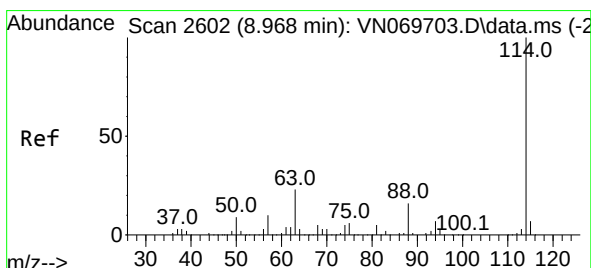
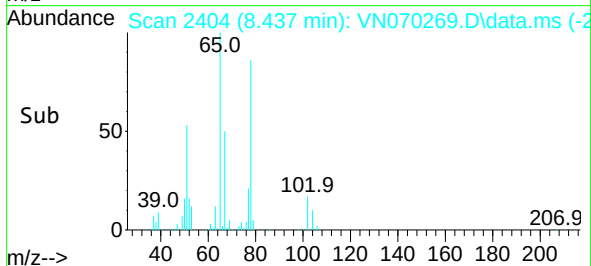
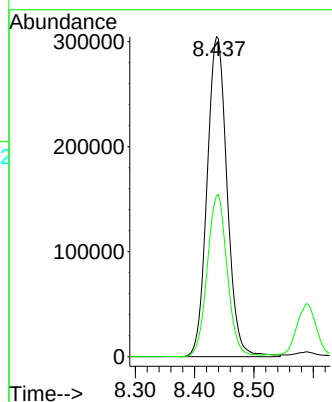
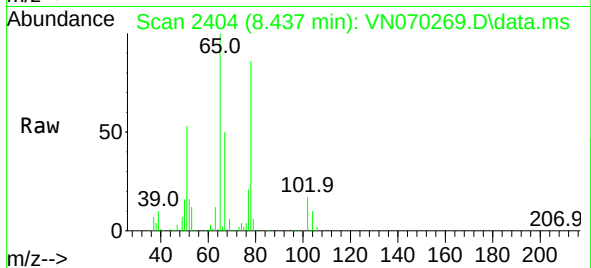
67 50.4 0.0 103.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/23/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070269.D

Acq: 21 Dec 2021 15:53

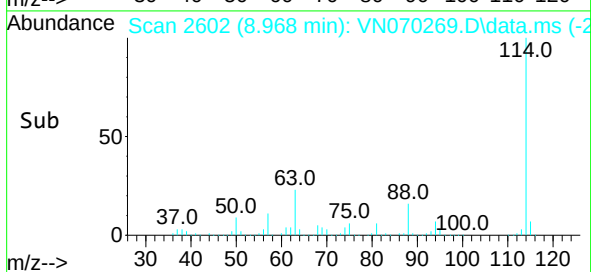
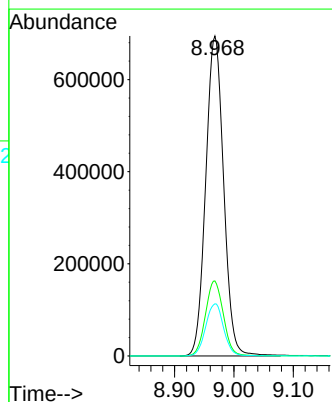
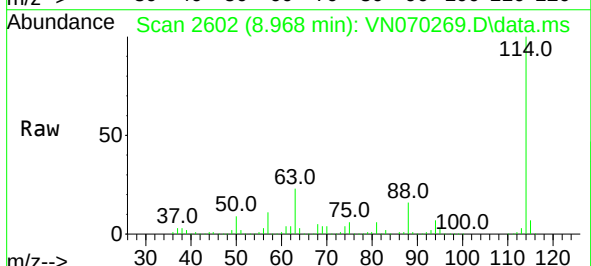
Tgt Ion:114 Resp: 1454577

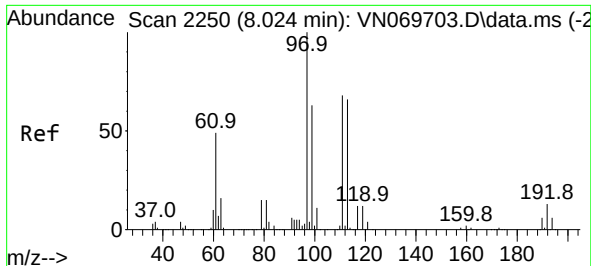
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

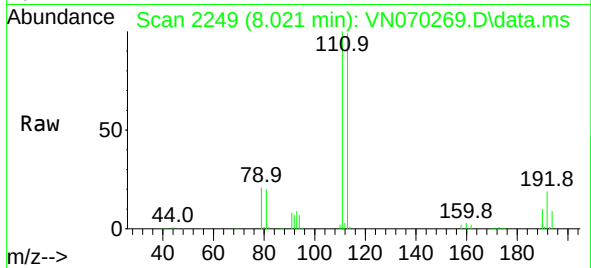
88 16.3 0.0 27.4





#35
Dibromofluoromethane
Concen: 51.226 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

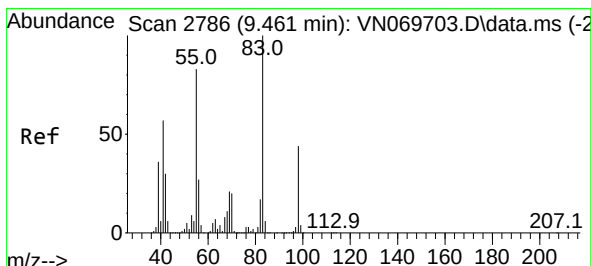
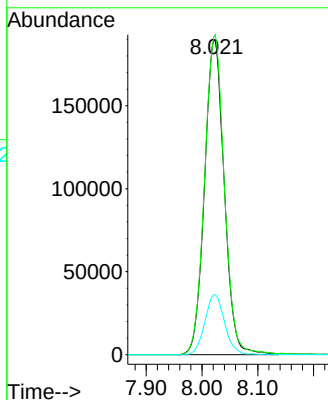
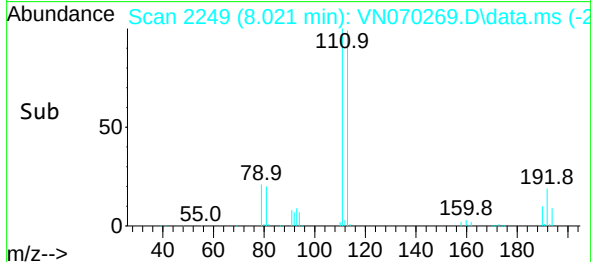
Instrument :
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MW-28DL



Tgt Ion: 113 Resp: 46673
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.0 16.9 25.3

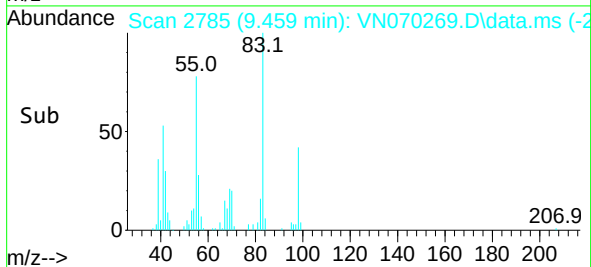
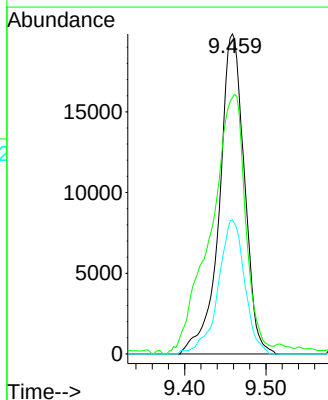
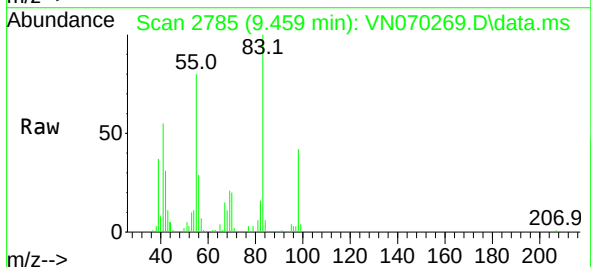
Manual Integrations
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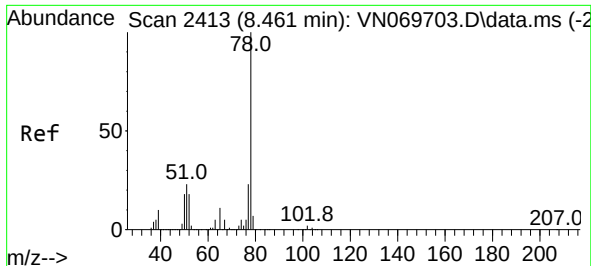
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#39
Methylcyclohexane
Concen: 2.577 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

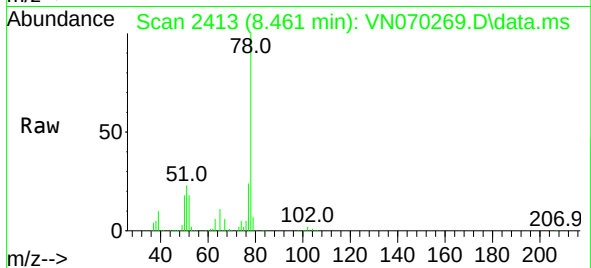
Tgt Ion: 83 Resp: 42444
Ion Ratio Lower Upper
83 100
55 77.0 58.1 87.1
98 41.9 38.4 57.6





#40
Benzene
Concen: 46.862 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.000 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

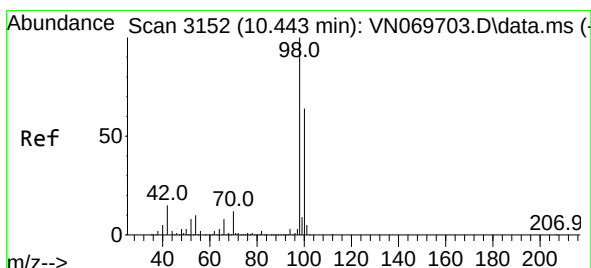
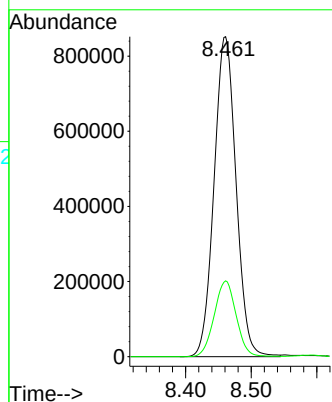
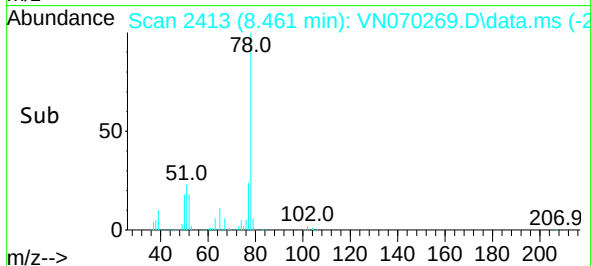
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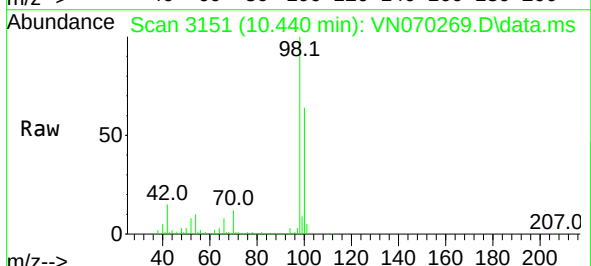
Tgt Ion: 78 Resp: 198346
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8

Manual Integrations
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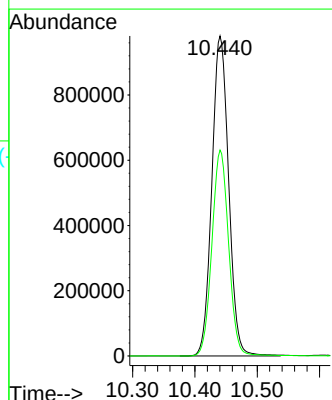
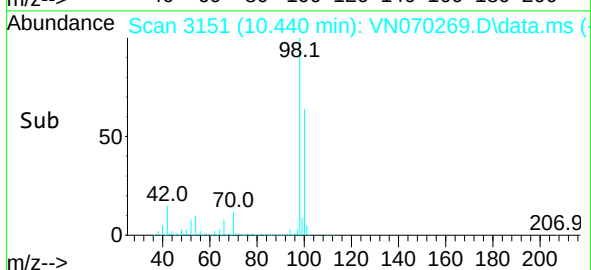
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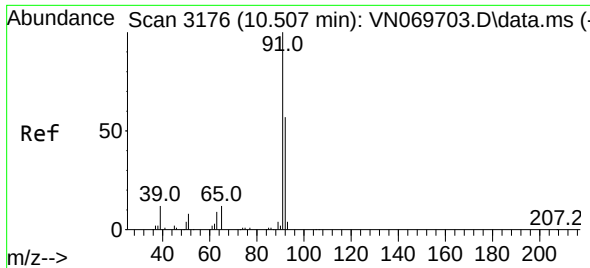


#50
Toluene-d8
Concen: 50.195 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53



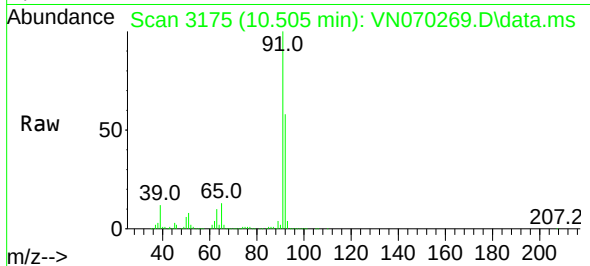
Tgt Ion: 98 Resp: 1836358
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6





#52
Toluene
Concen: 188.122 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

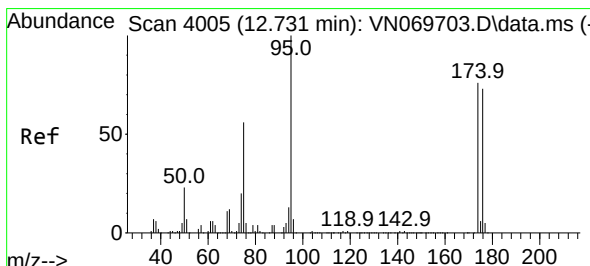
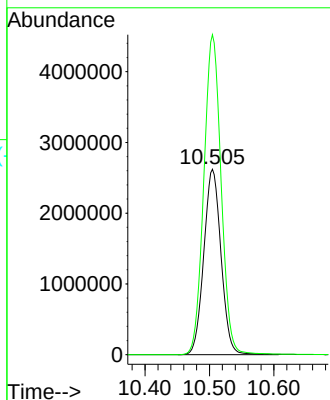
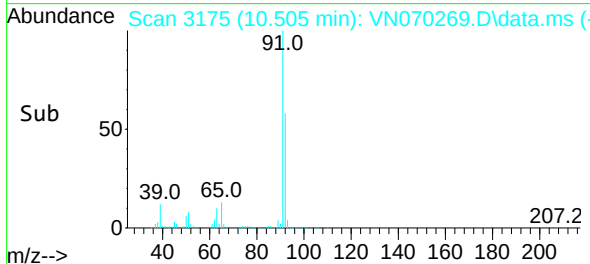
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL



Tgt Ion: 92 Resp: 486112
Ion Ratio Lower Upper
92 100
91 174.0 142.0 213.0

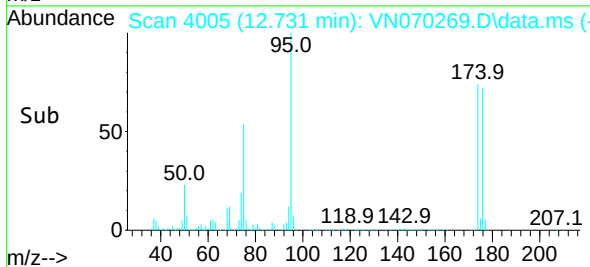
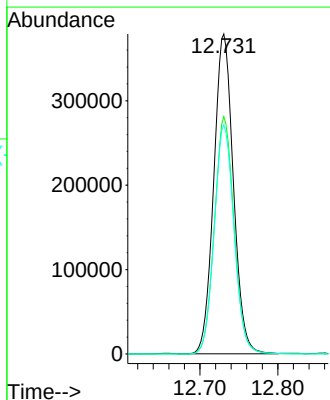
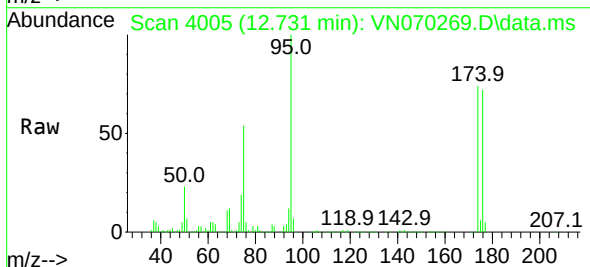
Manual Integrations
APPROVED

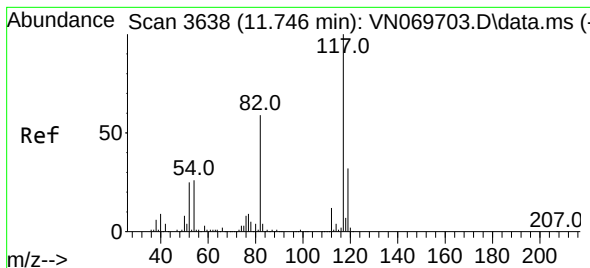
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#62
4-Bromofluorobenzene
Concen: 49.862 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

Tgt Ion: 95 Resp: 660860
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 72.3 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: VN070269.D

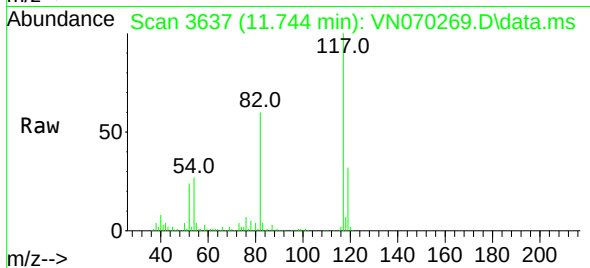
Acq: 21 Dec 2021 15:53

Instrument :

MSVOA_N

ClientSampleId :

MW-28DL



Tgt Ion:117 Resp: 1296970

Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

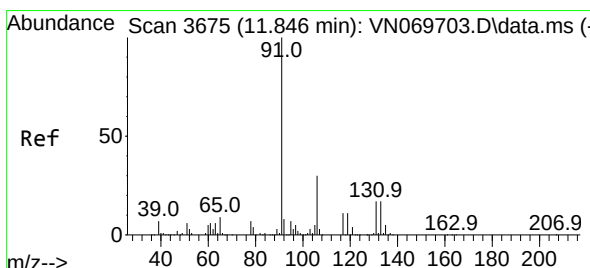
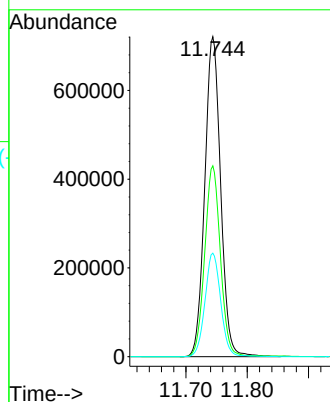
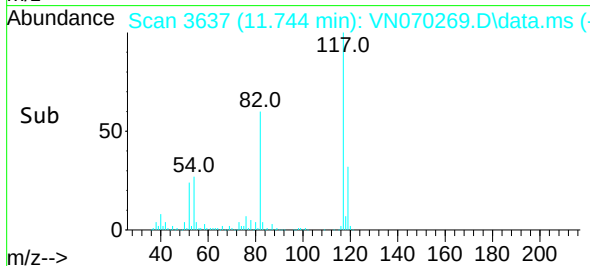
119 32.4 25.4 38.2

Manual Integrations

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Reviewed By :John Carlone 12/22/2021

Supervised By :Semsettin Yesilyurt 12/23/2021



#67

Ethyl Benzene

Concen: 72.936 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. -0.003 min

Lab File: VN070269.D

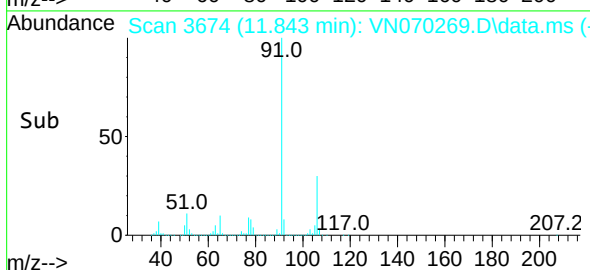
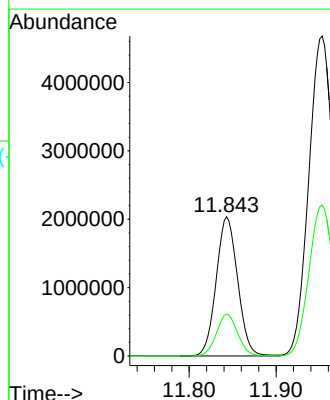
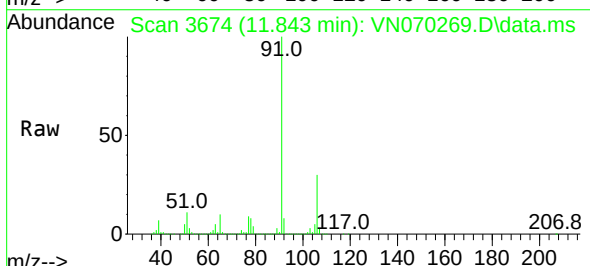
Acq: 21 Dec 2021 15:53

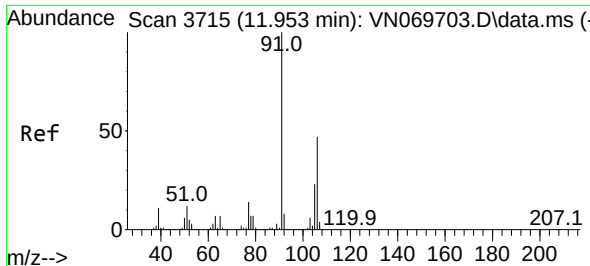
Tgt Ion: 91 Resp: 3485971

Ion Ratio Lower Upper

91 100

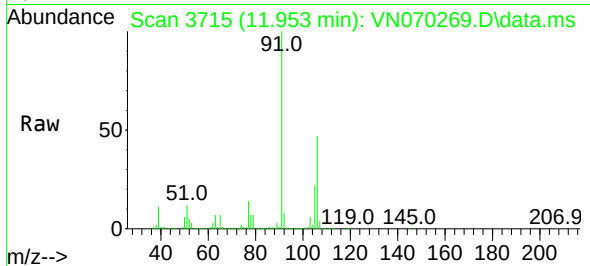
106 30.1 25.7 38.5





#68
m/p-Xylenes
Concen: 254.263 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

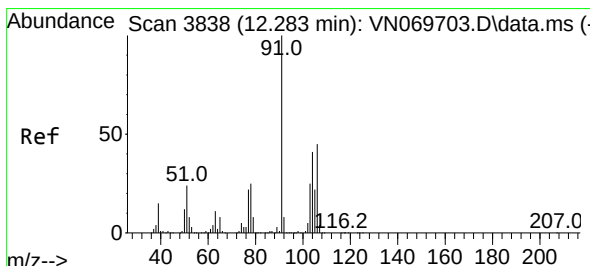
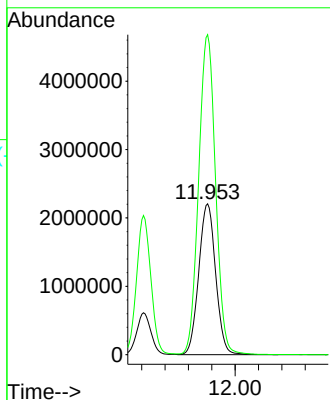
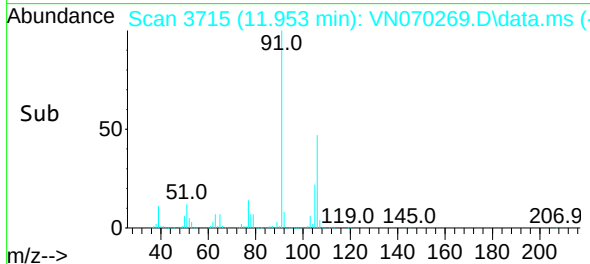
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL



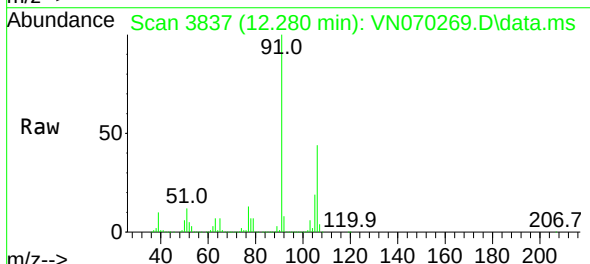
Tgt Ion:106 Resp: 4424790
Ion Ratio Lower Upper
106 100
91 212.6 160.6 240.8

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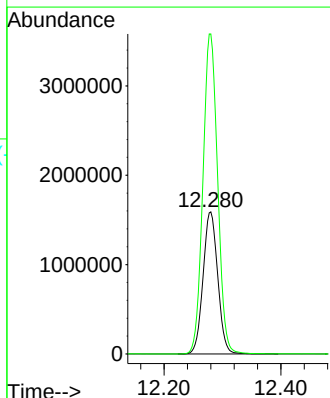
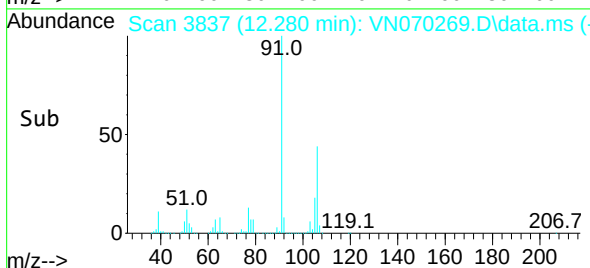
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021

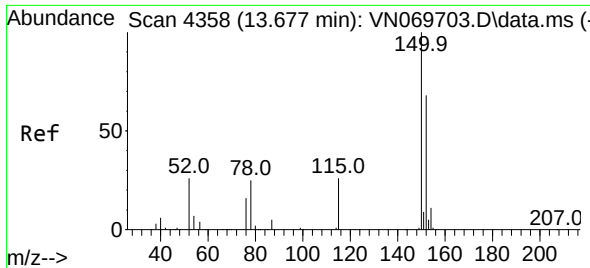


#69
o-Xylene
Concen: 158.162 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53



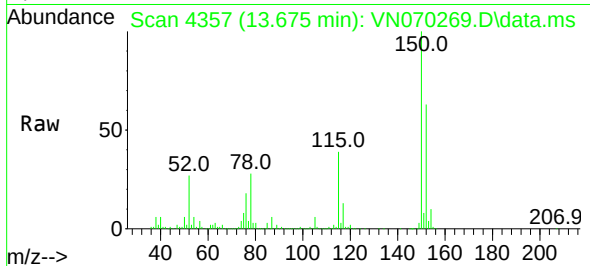
Tgt Ion:106 Resp: 2772429
Ion Ratio Lower Upper
106 100
91 226.2 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

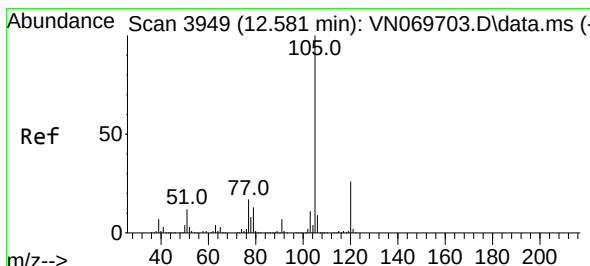
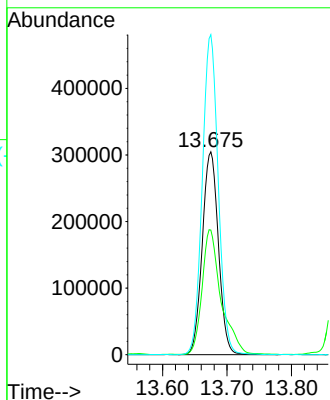
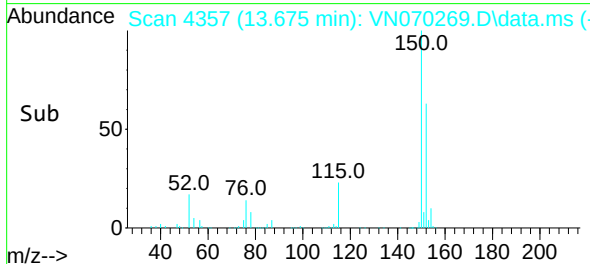
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL



Tgt Ion:152 Resp: 529800
Ion Ratio Lower Upper
152 100
115 72.6 27.5 82.5
150 155.8 0.0 344.4

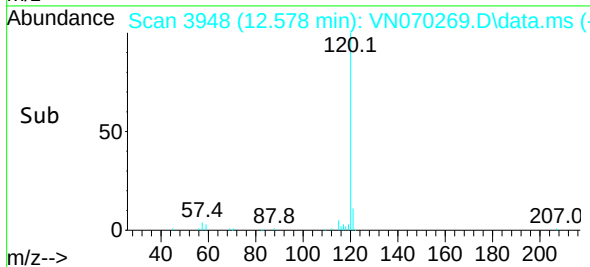
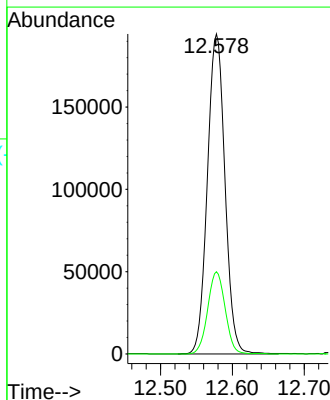
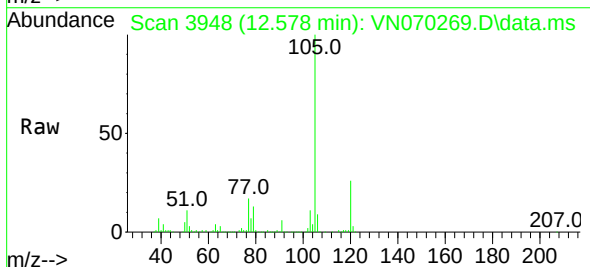
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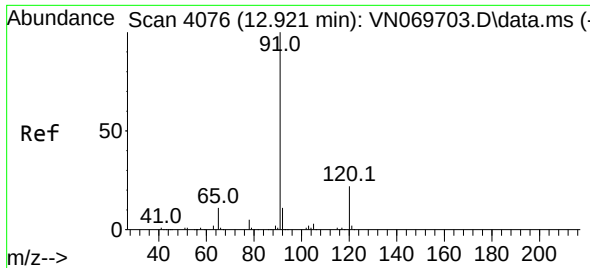
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#73
Isopropylbenzene
Concen: 7.009 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

Tgt Ion:105 Resp: 330390
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1





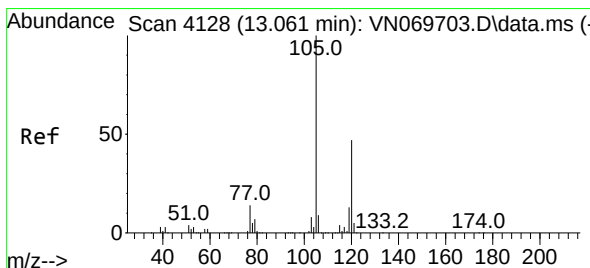
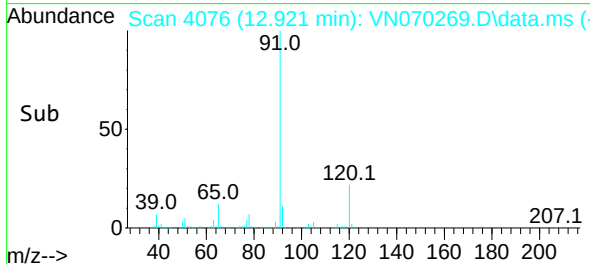
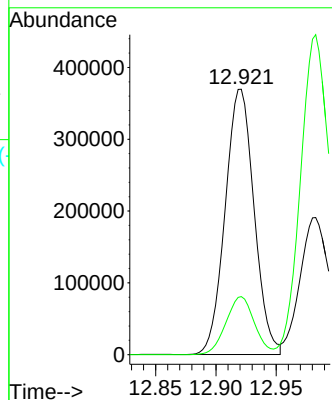
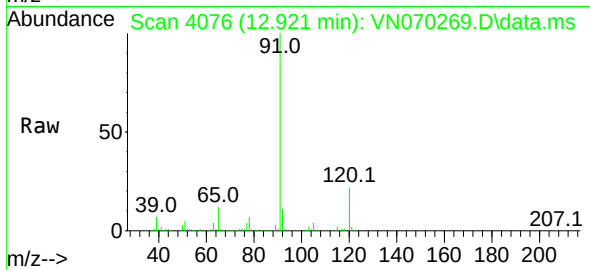
#78
n-propylbenzene
Concen: 11.763 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.000 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

Tgt Ion: 91 Resp: 61700
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.9

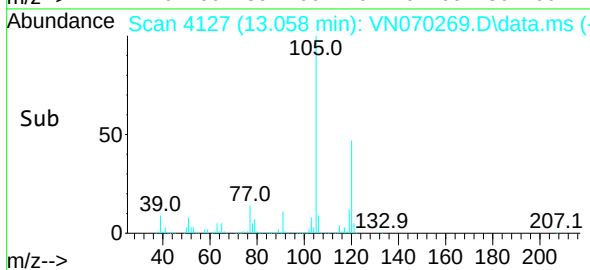
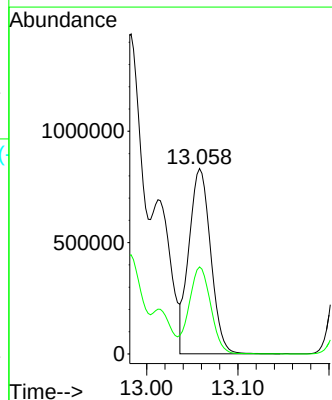
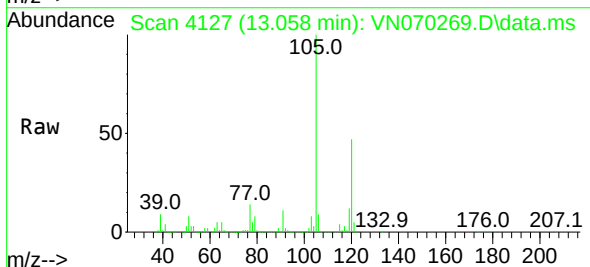
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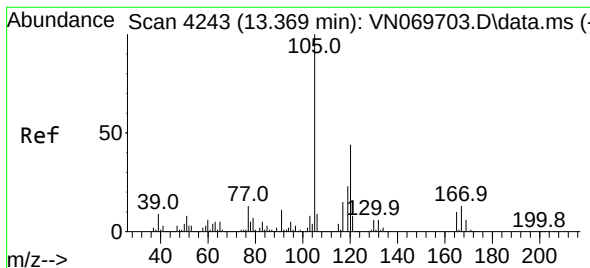
Reviewed By :John Carlone 12/22/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



#80
1,3,5-Trimethylbenzene
Concen: 36.242 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070269.D
Acq: 21 Dec 2021 15:53

Tgt Ion:105 Resp: 1375042
Ion Ratio Lower Upper
105 100
120 47.3 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 127.692 ug/l

RT: 13.366 min Scan# 41

Delta R.T. -0.003 min

Lab File: VN070269.D

Acq: 21 Dec 2021 15:53

Instrument :

MSVOA_N

ClientSampleId :

MW-28DL

Tgt Ion:105 Resp: 461385

Ion Ratio Lower Upper

105 100

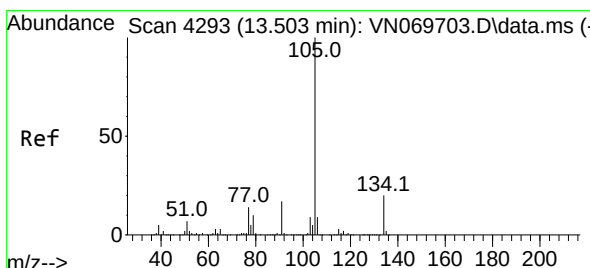
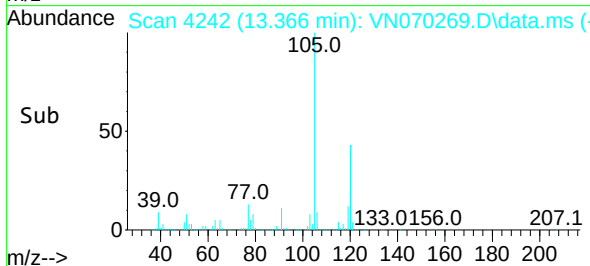
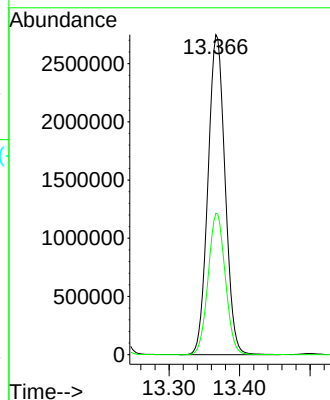
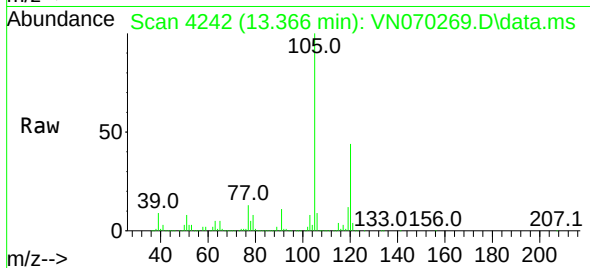
120 44.4 22.8 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2021

Supervised By :Semsettin Yesilyurt 12/23/2021



#85

sec-Butylbenzene

Concen: 0.344 ug/l m

RT: 13.500 min Scan# 4292

Delta R.T. -0.003 min

Lab File: VN070269.D

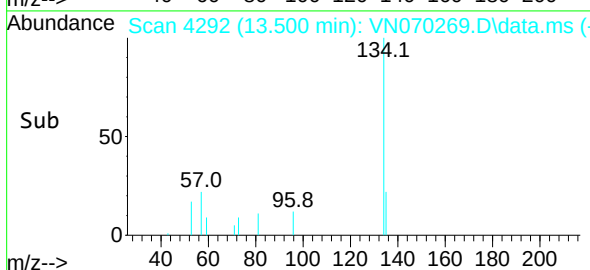
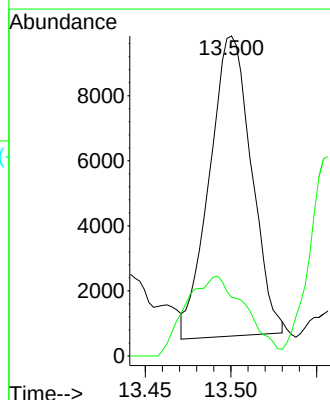
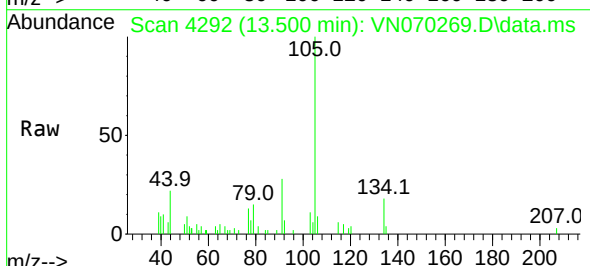
Acq: 21 Dec 2021 15:53

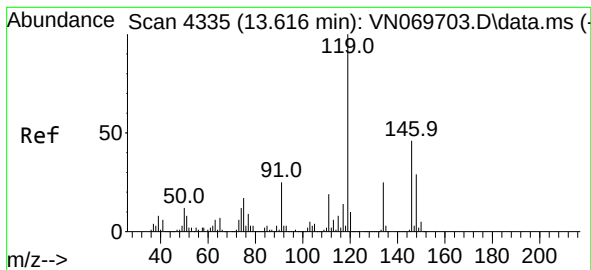
Tgt Ion:105 Resp: 15686

Ion Ratio Lower Upper

105 100

134 2.6 10.4 31.1#





#86
 p-Isopropyltoluene
 Concen: 0.274 ug/l m
 RT: 13.613 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070269.D
 Acq: 21 Dec 2021 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28DL

Tgt Ion:119 Resp: 974
 Ion Ratio Lower Upper
 119 100
 134 111.2 13.6 40.7
 91 0.0 11.4 34.1

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/22/2021
 Supervised By :Semsettin Yesilyurt 12/23/2021

