

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070167.D
 Acq On : 17 Dec 2021 16:36
 Operator : JC/MD
 Sample : M5039-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 18 05:46:22 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	8.088	168	936725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1585827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1483012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	720949	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	764419	52.853	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.700%			
35) Dibromofluoromethane	8.024	113	495129	49.845	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.700%			
50) Toluene-d8	10.443	98	2030386	50.906	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.731	95	770592	53.330	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.660%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.824	74	15881	2.496	ug/l	76
11) Tert butyl alcohol	5.388	59	3855437	1410.250	ug/l	99
17) Carbon Disulfide	4.524	76	13527	0.587	ug/l	96
19) Methyl tert-butyl Ether	5.621	73	4326445	124.704	ug/l	# 55
22) Diisopropyl ether	6.501	45	486102	12.369	ug/l	# 87
25) 2-Butanone	7.340	43	48091	4.068	ug/l	# 89
31) Cyclohexane	8.094	56	841337	41.800	ug/l	88
39) Methylcyclohexane	9.462	83	500496	27.872	ug/l	88
40) Benzene	8.453	78	22120026m	479.365	ug/l	
52) Toluene	10.505	92	1807528	64.161	ug/l	98
67) Ethyl Benzene	11.846	91	5944506	108.773	ug/l	97
68) m/p-Xylenes	11.953	106	8698324	437.132	ug/l	97
69) o-Xylene	12.280	106	1990067	99.288	ug/l	91
73) Isopropylbenzene	12.578	105	2302443	35.895	ug/l	98
78) n-propylbenzene	12.921	91	7471295	104.672	ug/l	96
80) 1,3,5-Trimethylbenzene	13.061	105	2903666	56.241	ug/l	98
84) 1,2,4-Trimethylbenzene	13.367	105	14465235	294.195	ug/l	99
85) sec-Butylbenzene	13.501	105	258698m	4.172	ug/l	
86) p-Isopropyltoluene	13.616	119	188977	3.899	ug/l	# 76
89) n-Butylbenzene	13.943	91	270531	6.881	ug/l	# 70

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

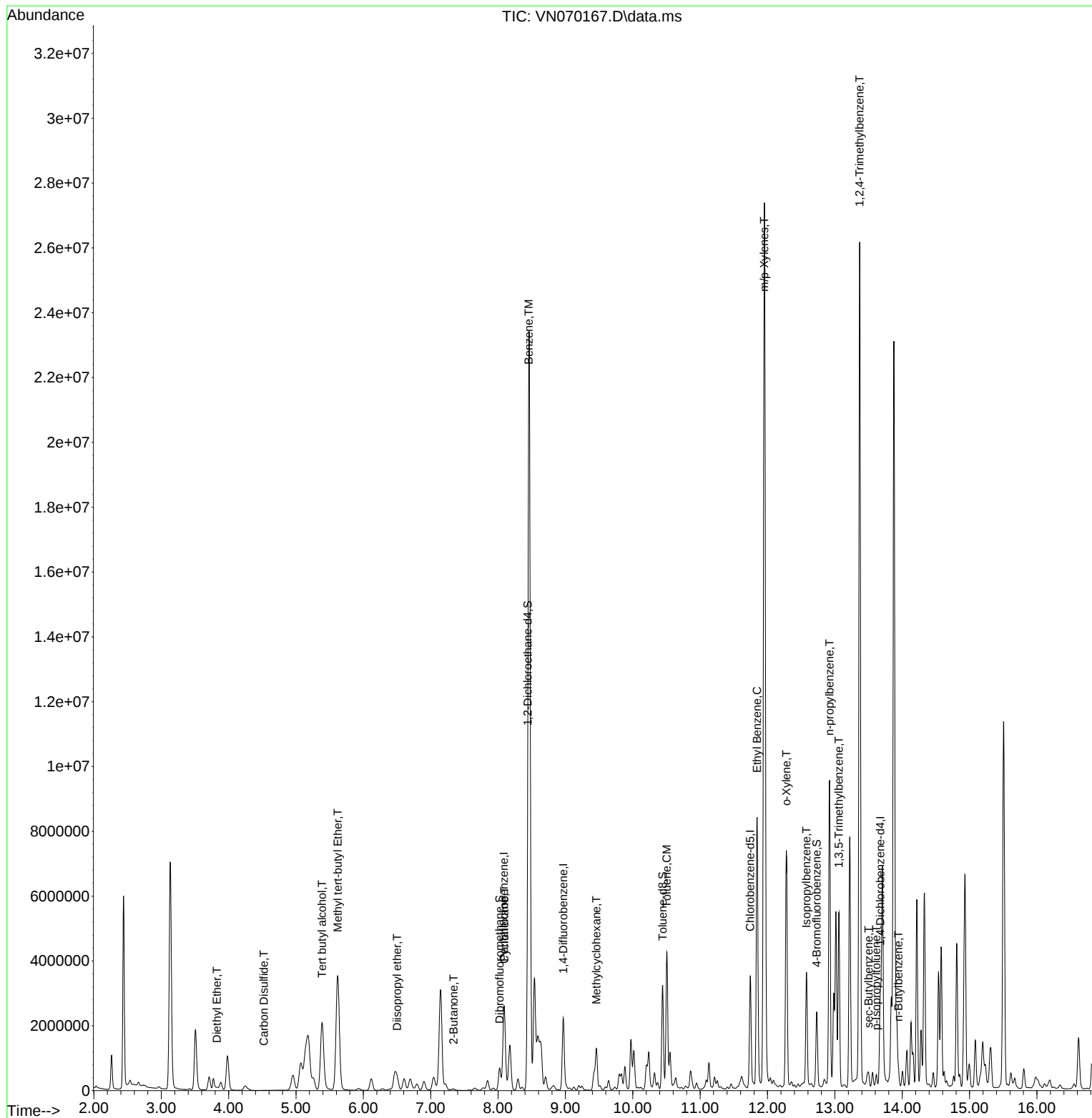
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
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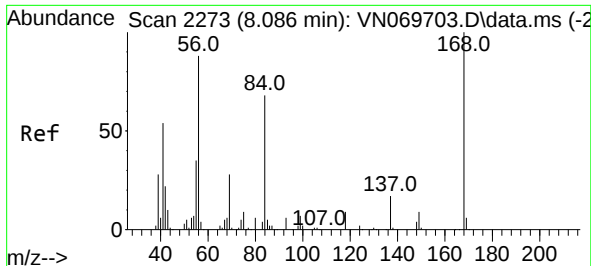
Instrument :
MSVOA_N
ClientSampleId :
MW-15

Quant Time: Dec 18 05:46:22 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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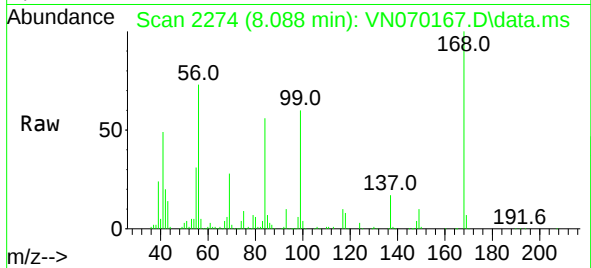
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

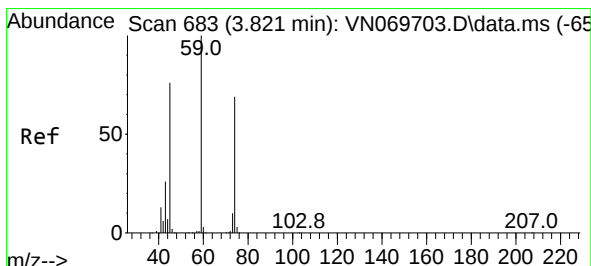
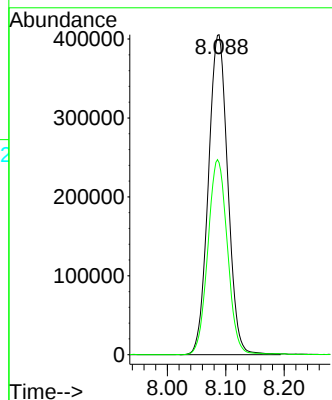
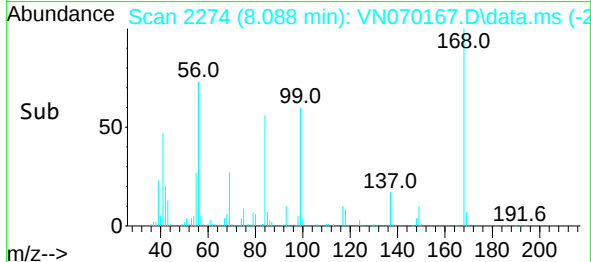
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion:168 Resp: 93672
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9

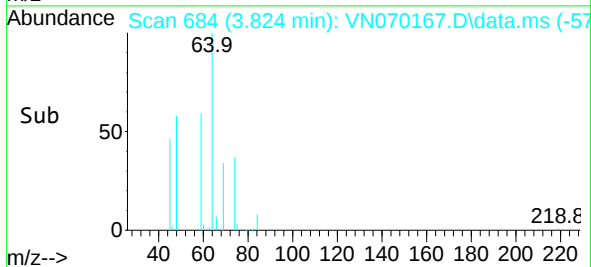
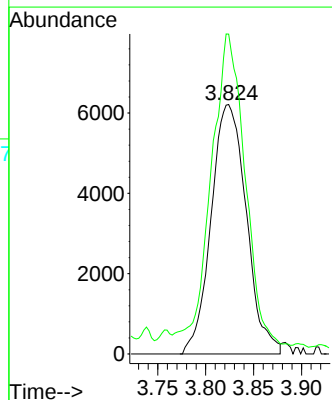
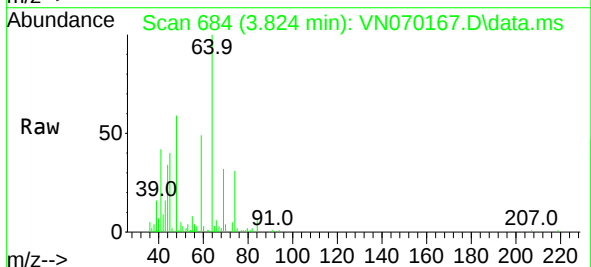
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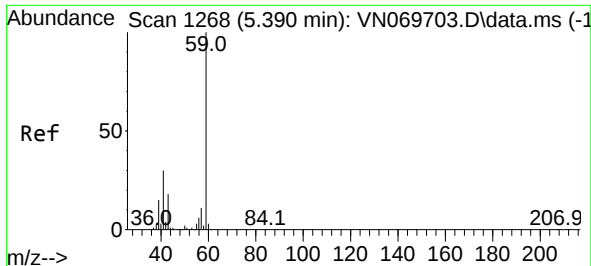
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#8
Diethyl Ether
Concen: 2.496 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

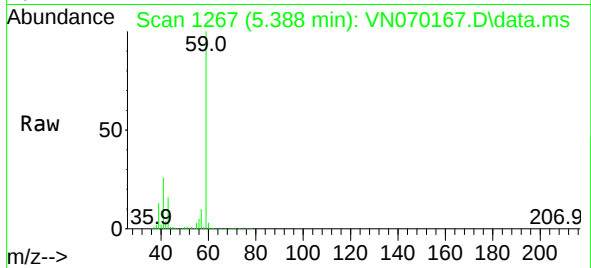
Tgt Ion: 74 Resp: 15881
Ion Ratio Lower Upper
74 100
45 117.1 47.0 141.2





#11
Tert butyl alcohol
Concen: 1410.250 ug/l
RT: 5.388 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

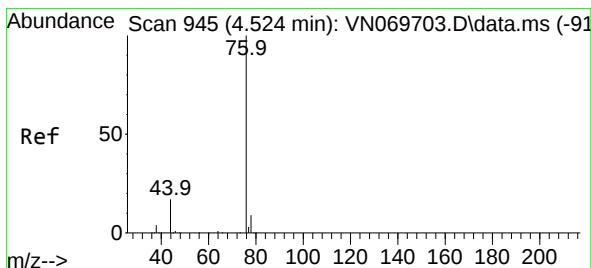
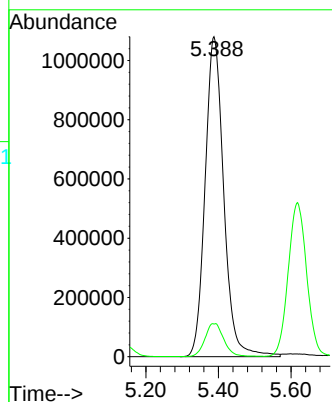
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion: 59 Resp: 385543
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

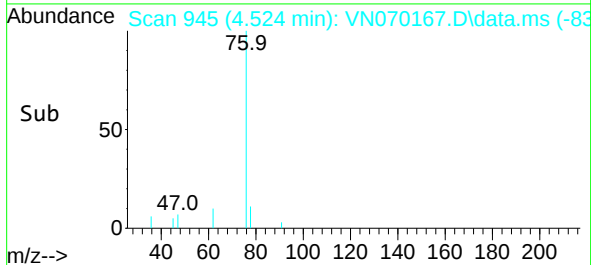
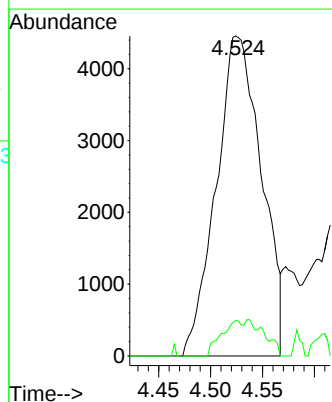
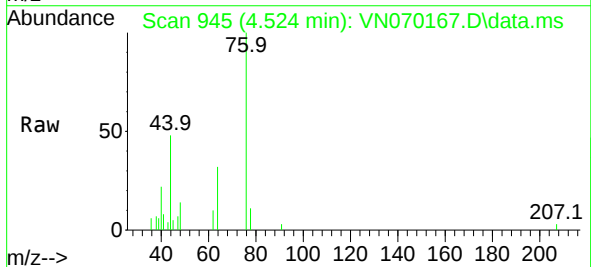
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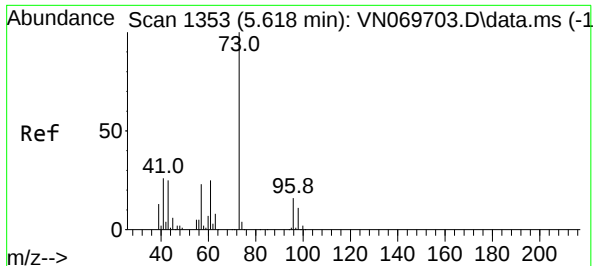
Reviewed By :John Carlone 12/18/2021
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#17
Carbon Disulfide
Concen: 0.587 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

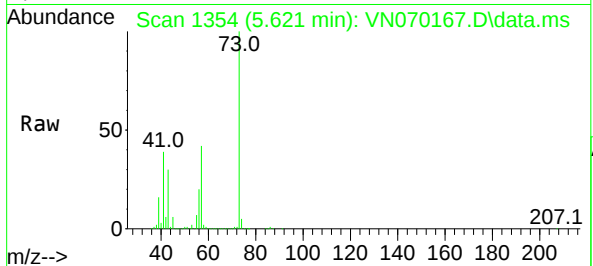
Tgt Ion: 76 Resp: 13527
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3





#19
Methyl tert-butyl Ether
Concen: 124.704 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

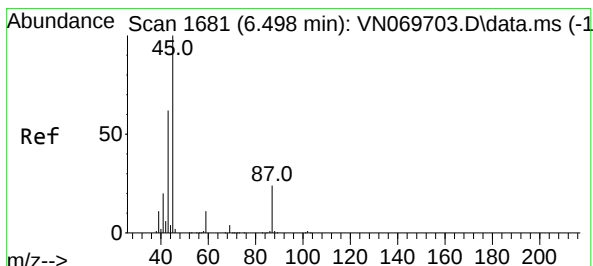
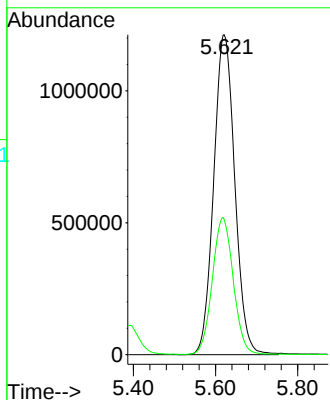
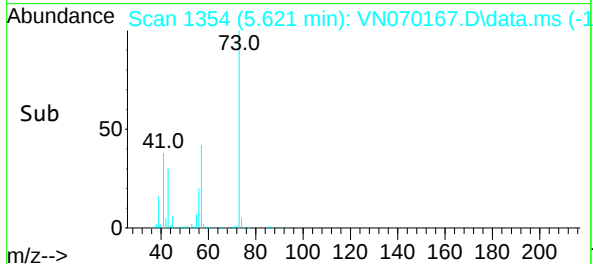
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion: 73 Resp: 432644
Ion Ratio Lower Upper
73 100
57 42.1 16.8 25.2

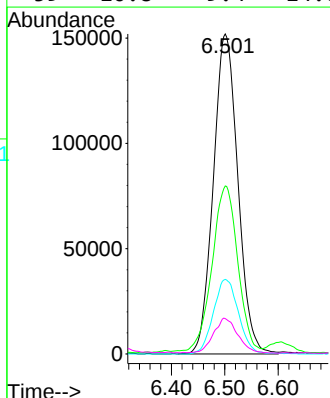
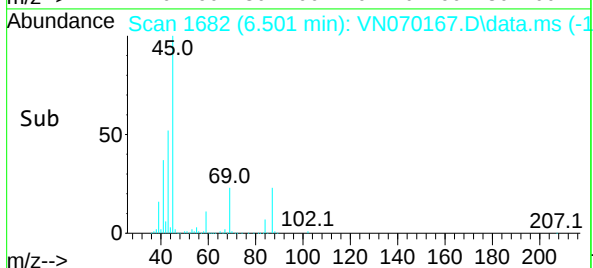
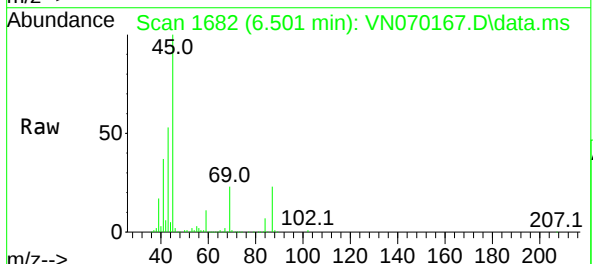
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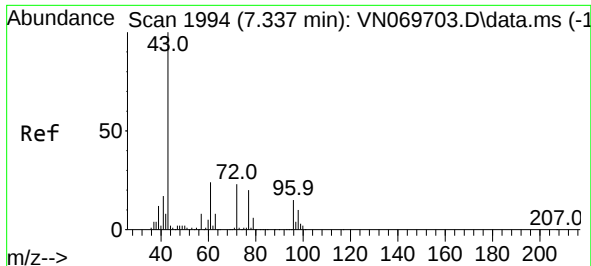
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#22
Diisopropyl ether
Concen: 12.369 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 45 Resp: 486102
Ion Ratio Lower Upper
45 100
43 51.5 51.7 77.5#
87 23.3 23.2 34.8
59 10.8 9.4 14.0





#25

2-Butanone

Concen: 4.068 ug/l

RT: 7.340 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-15

Tgt Ion: 43 Resp: 4809

Ion Ratio Lower Upper

43 100

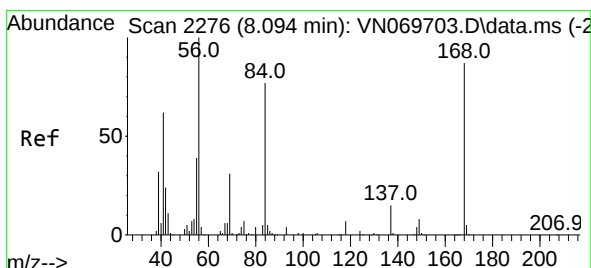
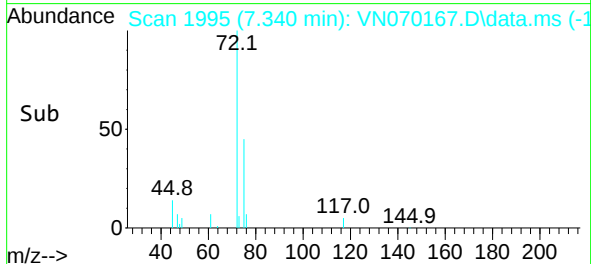
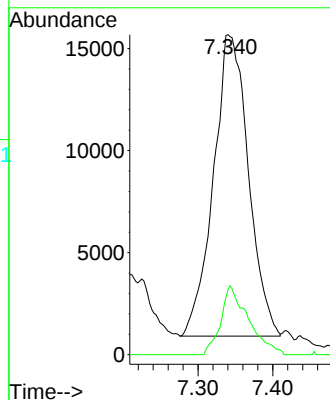
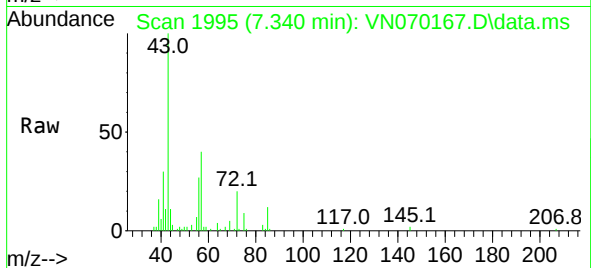
72 21.6 21.7 32.5

Manual Integrations

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#31

Cyclohexane

Concen: 41.800 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. 0.000 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

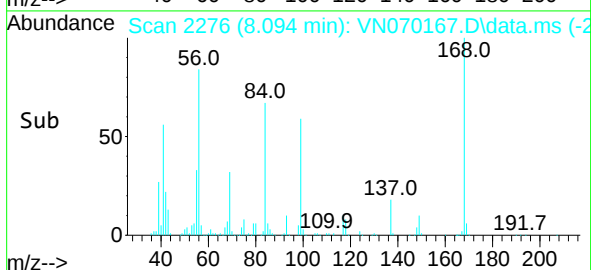
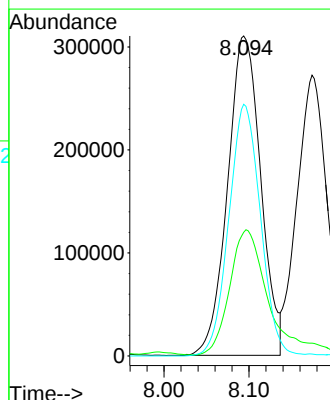
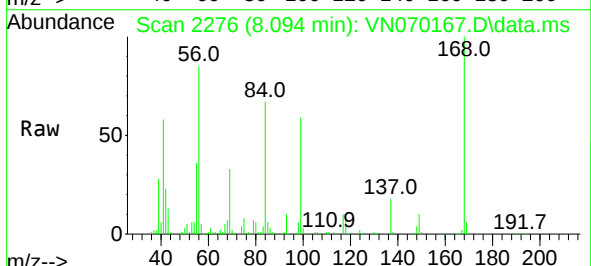
Tgt Ion: 56 Resp: 841337

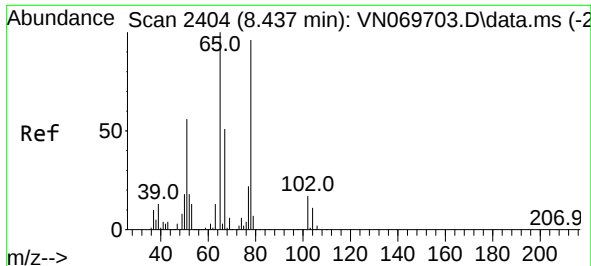
Ion Ratio Lower Upper

56 100

69 38.2 27.1 40.7

84 78.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 52.853 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

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MW-15

Tgt Ion: 65 Resp: 764419

Ion Ratio Lower Upper

65 100

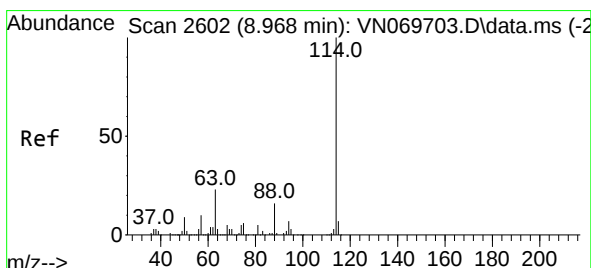
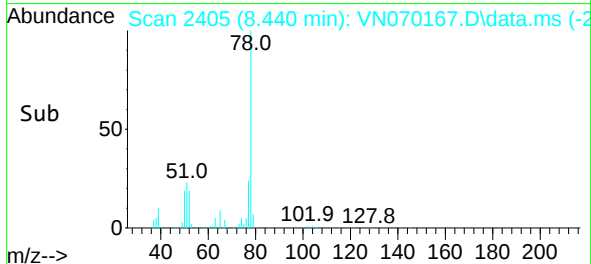
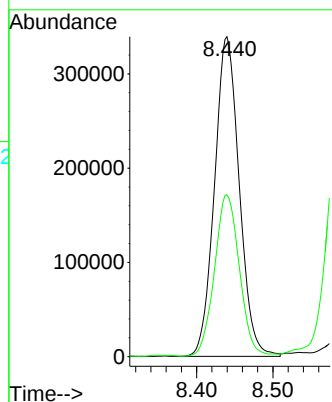
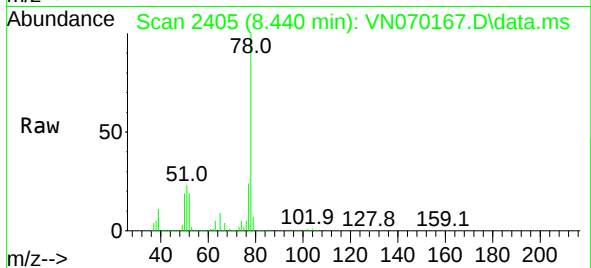
67 50.8 0.0 103.0

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: VN070167.D

Acq: 17 Dec 2021 16:36

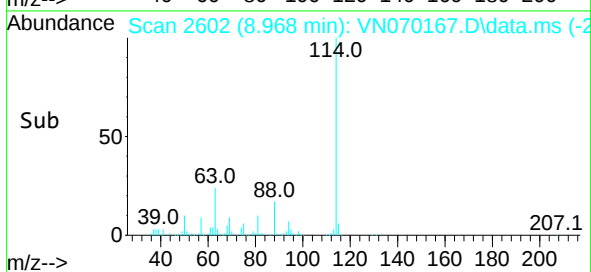
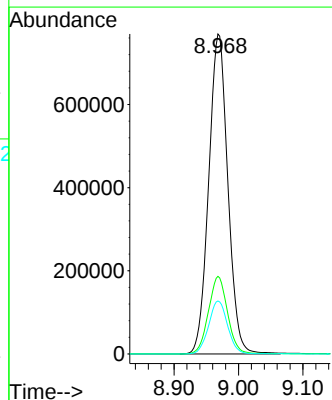
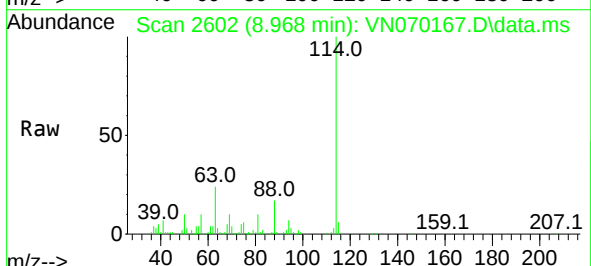
Tgt Ion:114 Resp: 1585827

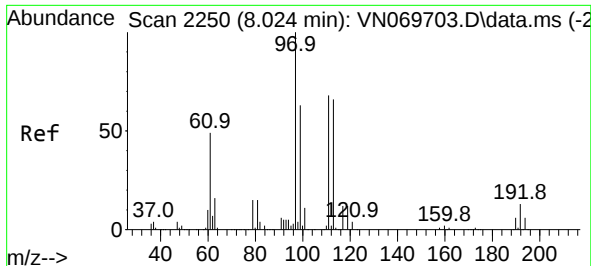
Ion Ratio Lower Upper

114 100

63 24.2 0.0 37.8

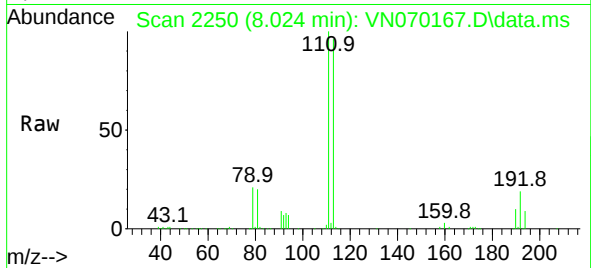
88 16.6 0.0 27.4





#35
Dibromofluoromethane
Concen: 49.845 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

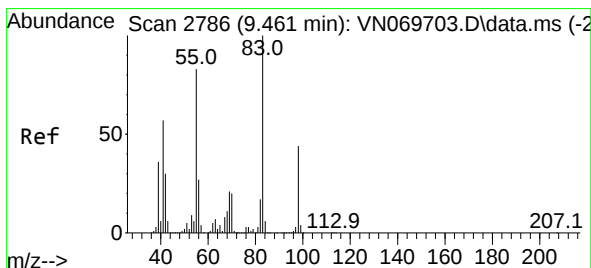
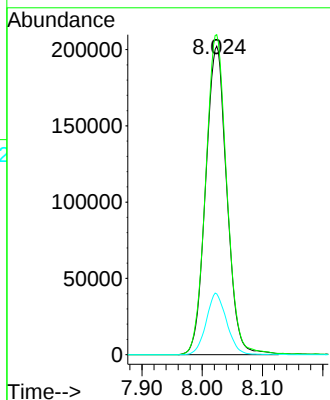
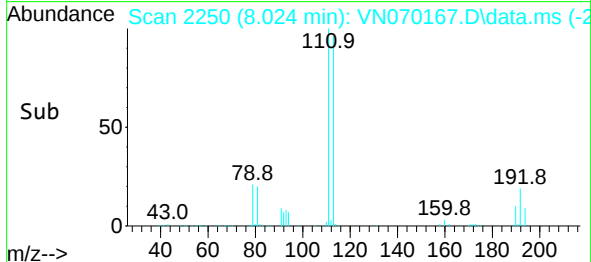
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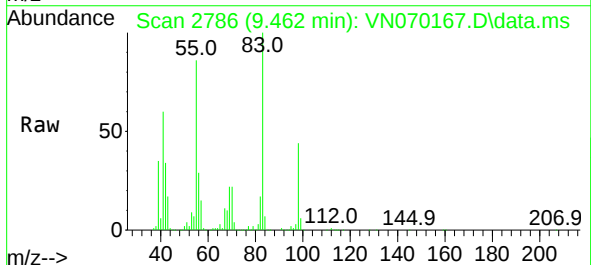
Tgt Ion: 113 Resp: 495129
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.2 16.9 25.3

Manual Integrations
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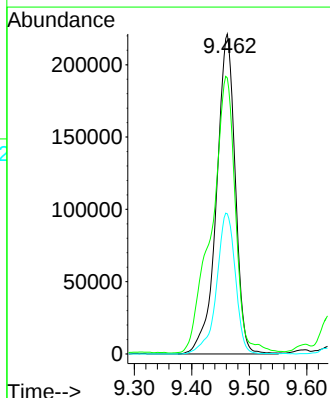
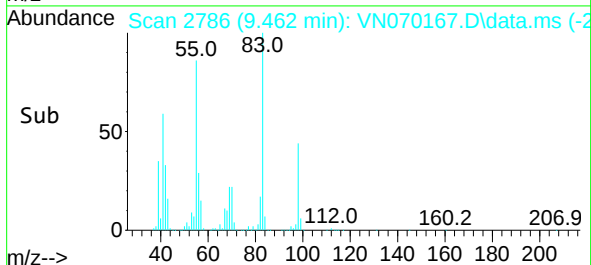
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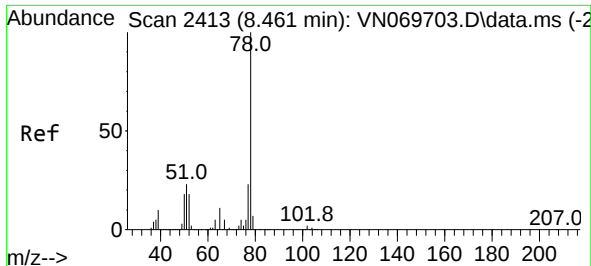


#39
Methylcyclohexane
Concen: 27.872 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36



Tgt Ion: 83 Resp: 500496
Ion Ratio Lower Upper
83 100
55 85.8 58.1 87.1
98 43.8 38.4 57.6





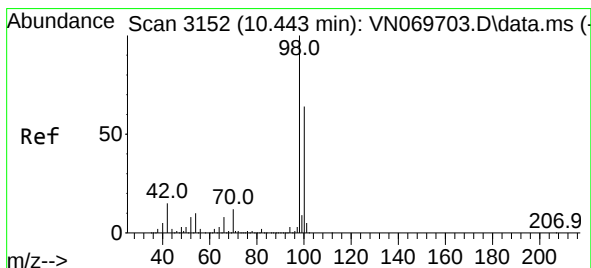
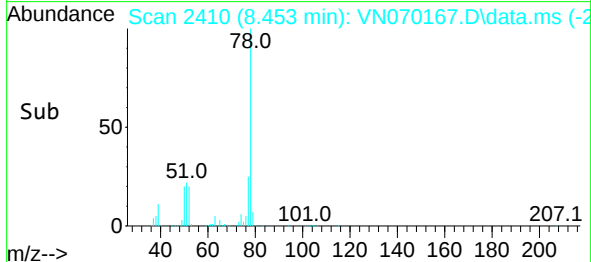
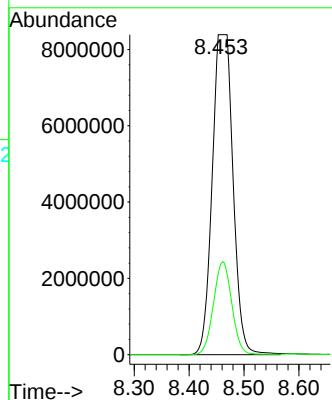
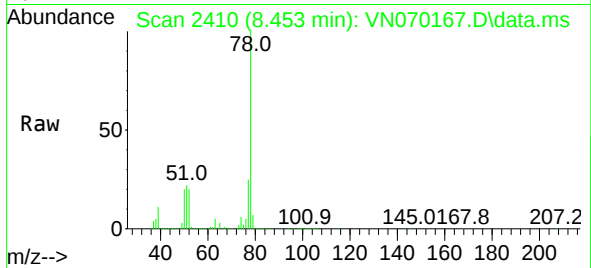
#40
Benzene
Concen: 479.365 ug/l m
RT: 8.453 min Scan# 2413
Delta R.T. -0.008 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Instrument :
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Tgt Ion: 78 Resp: 22120020
Ion Ratio Lower Upper
78 100
77 25.4 18.6 27.8

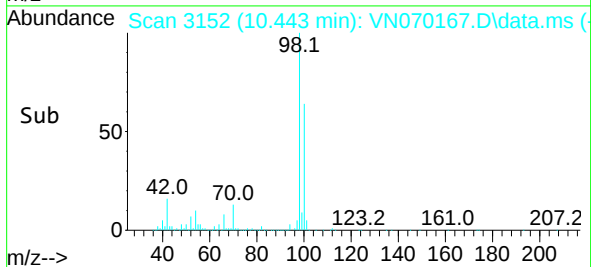
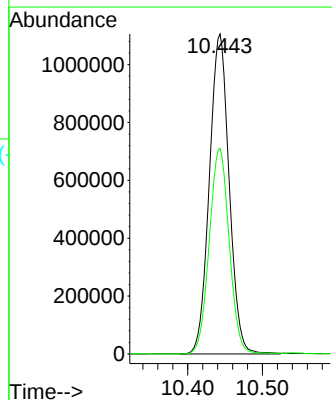
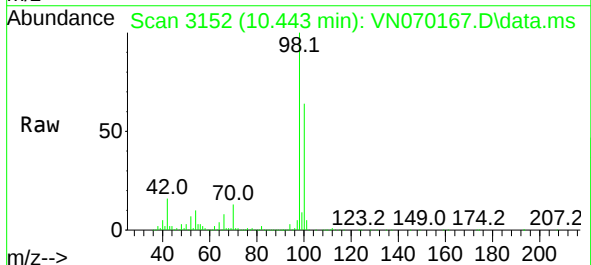
Manual Integrations
APPROVED

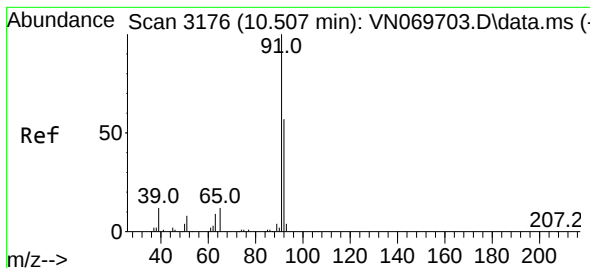
Reviewed By : John Carlone 12/18/2021
Supervised By : Mahesh Dadoda 12/23/2021



#50
Toluene-d8
Concen: 50.906 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 98 Resp: 2030386
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6





#52

Toluene

Concen: 64.161 ug/l

RT: 10.505 min Scan# 3176

Delta R.T. -0.002 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-15

Tgt Ion: 92 Resp: 1807528

Ion Ratio Lower Upper

92 100

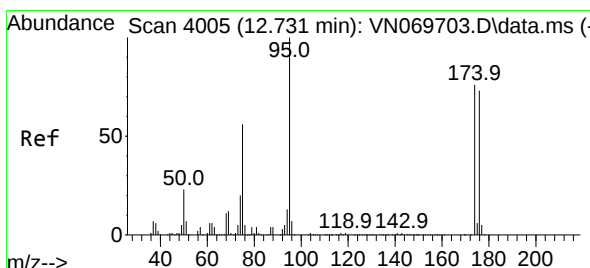
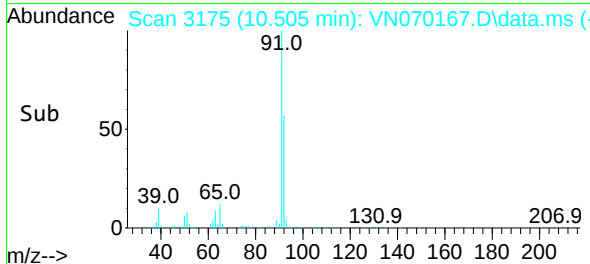
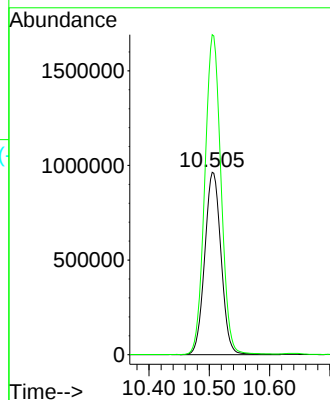
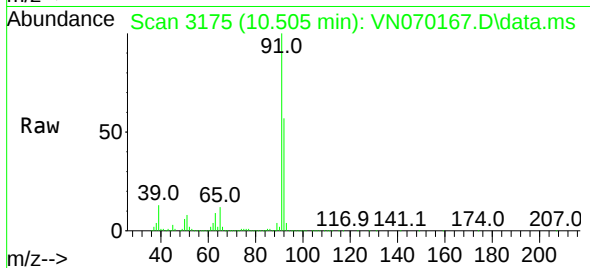
91 174.6 142.0 213.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#62

4-Bromofluorobenzene

Concen: 53.330 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.000 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

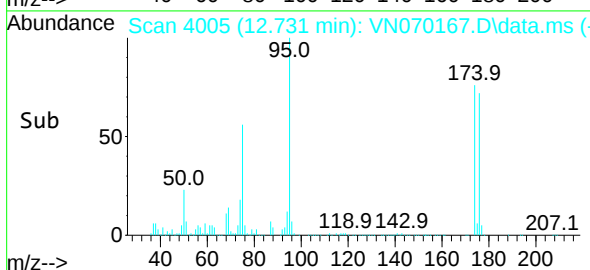
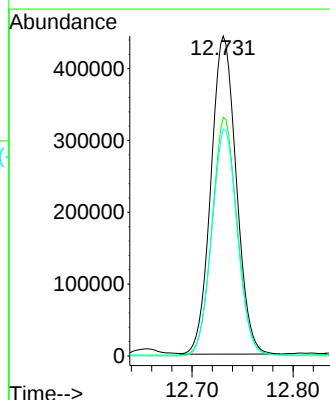
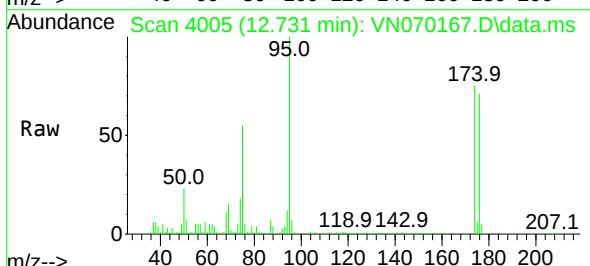
Tgt Ion: 95 Resp: 770592

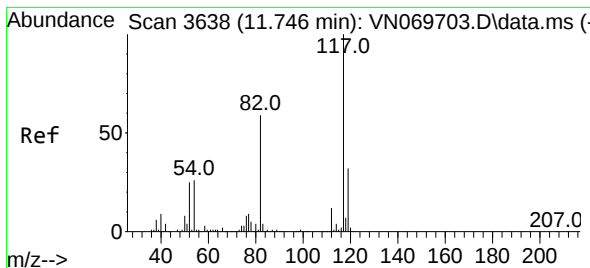
Ion Ratio Lower Upper

95 100

174 74.2 0.0 187.2

176 72.1 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: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-15

Tgt Ion:117 Resp: 148301

Ion Ratio Lower Upper

117 100

82 60.5 42.4 63.6

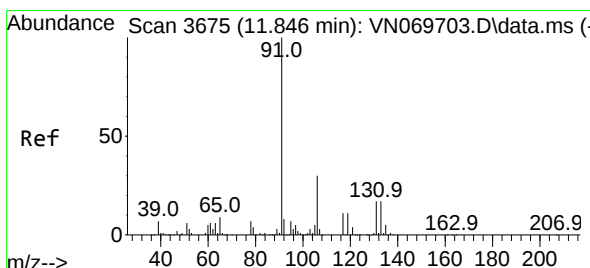
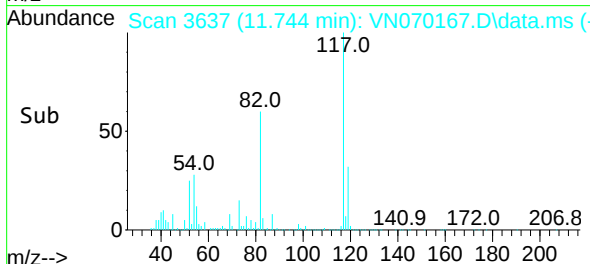
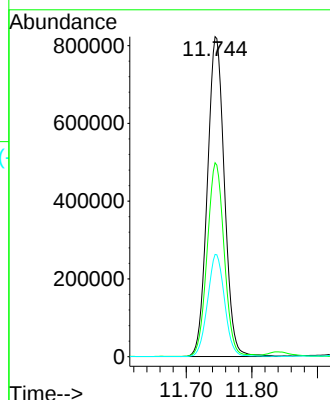
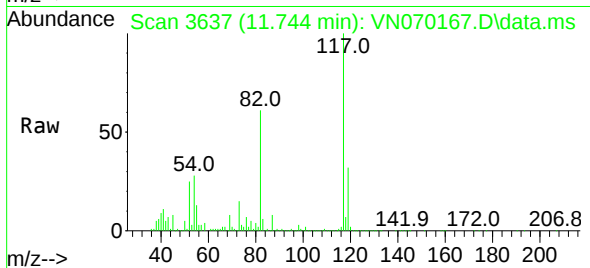
119 31.9 25.4 38.2

Manual Integrations

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Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#67

Ethyl Benzene

Concen: 108.773 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070167.D

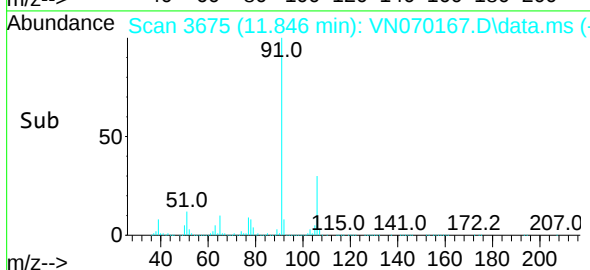
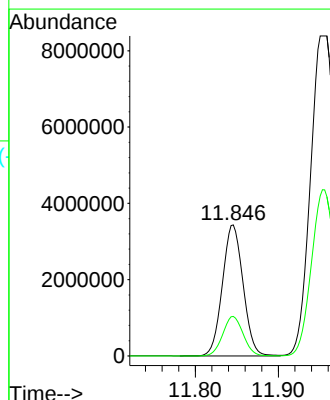
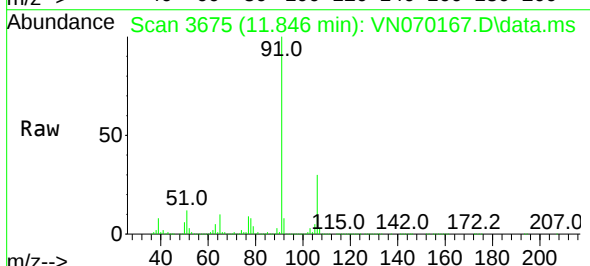
Acq: 17 Dec 2021 16:36

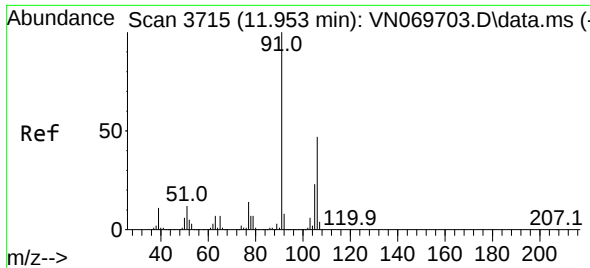
Tgt Ion: 91 Resp: 5944506

Ion Ratio Lower Upper

91 100

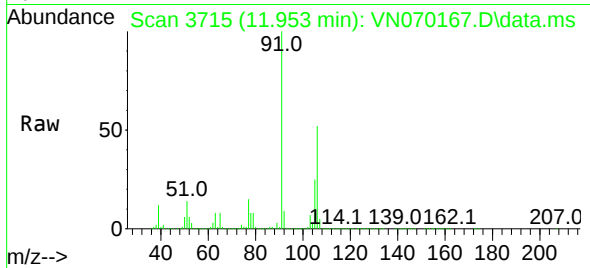
106 30.2 25.7 38.5





#68
m/p-Xylenes
Concen: 437.132 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

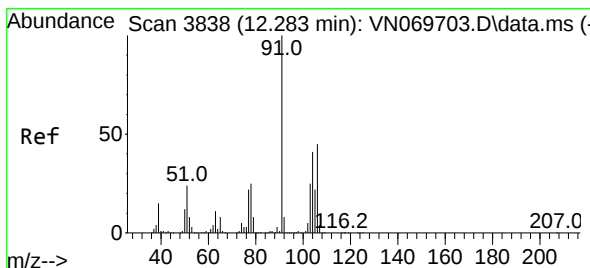
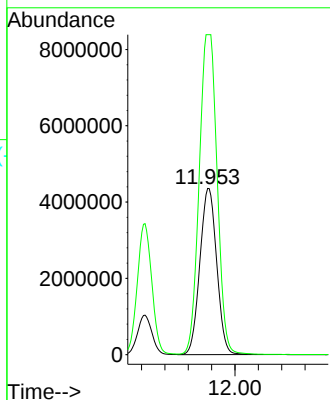
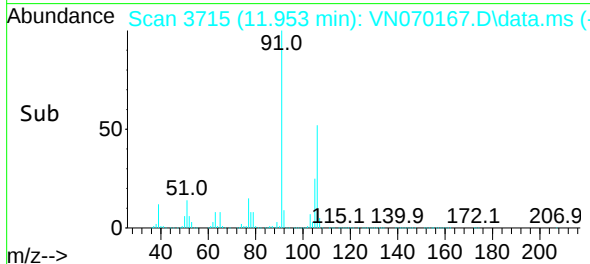
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion:106 Resp: 8698324
Ion Ratio Lower Upper
106 100
91 205.6 160.6 240.8

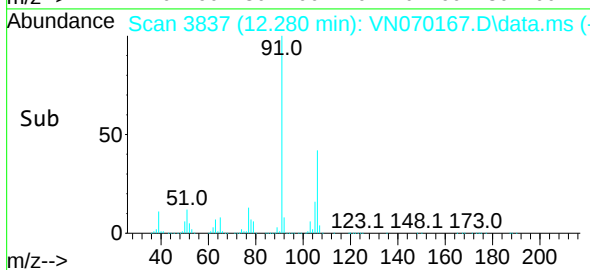
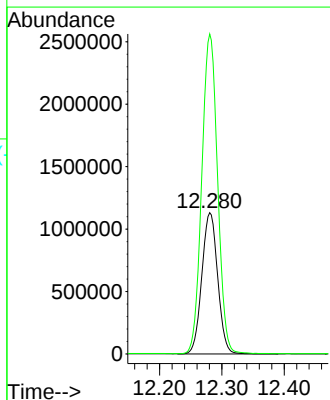
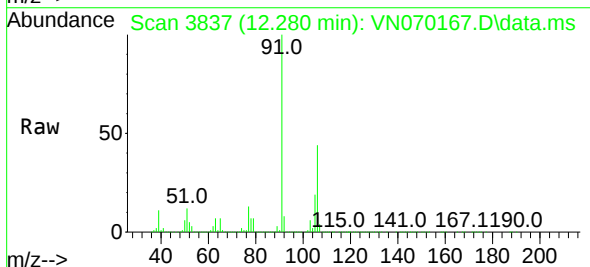
Manual Integrations
APPROVED

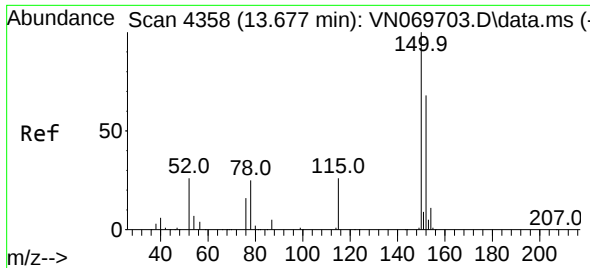
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#69
o-Xylene
Concen: 99.288 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

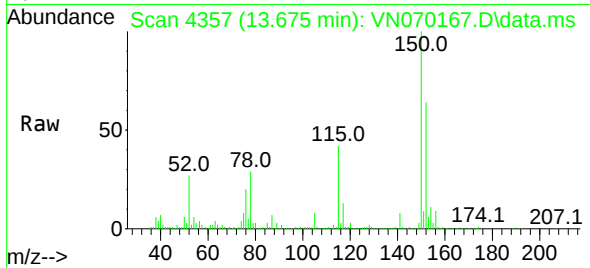
Tgt Ion:106 Resp: 1990067
Ion Ratio Lower Upper
106 100
91 226.1 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

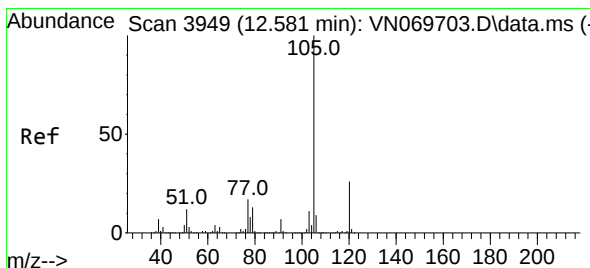
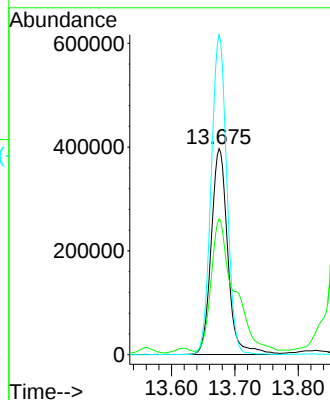
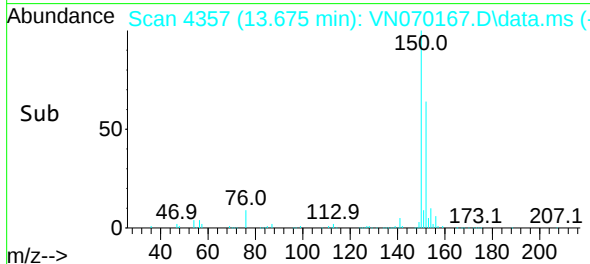
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion:152 Resp: 720949
Ion Ratio Lower Upper
152 100
115 88.8 27.5 82.5
150 146.3 0.0 344.4

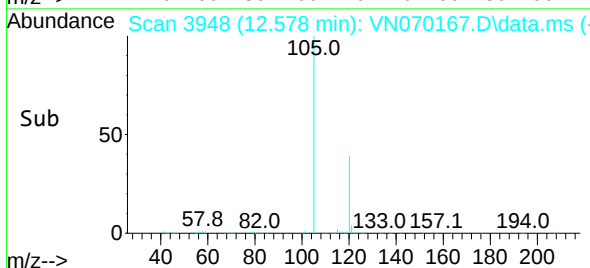
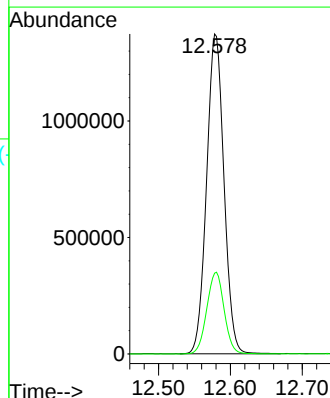
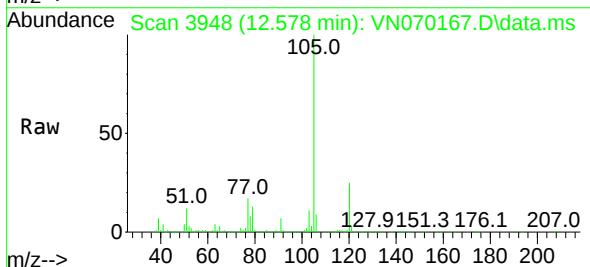
Manual Integrations
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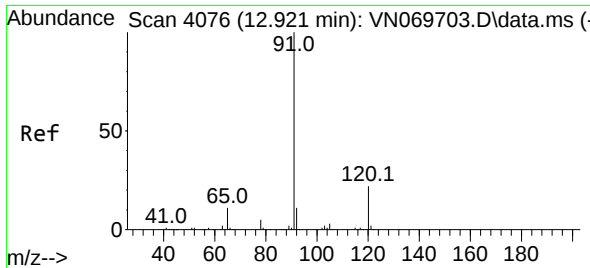
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#73
Isopropylbenzene
Concen: 35.895 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

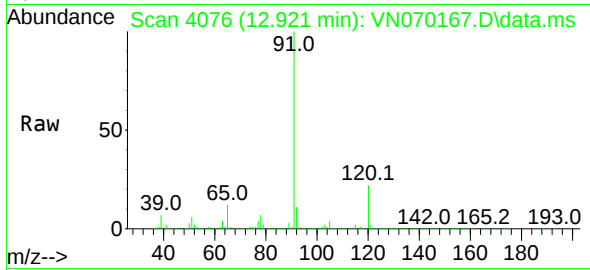
Tgt Ion:105 Resp: 2302443
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1





#78
n-propylbenzene
Concen: 104.672 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

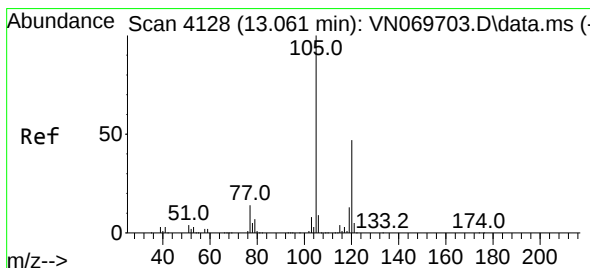
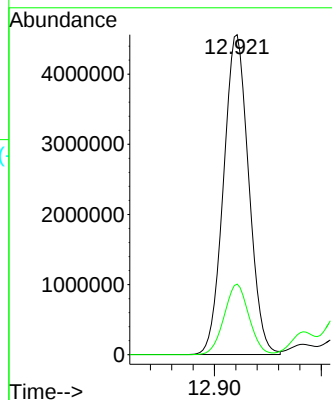
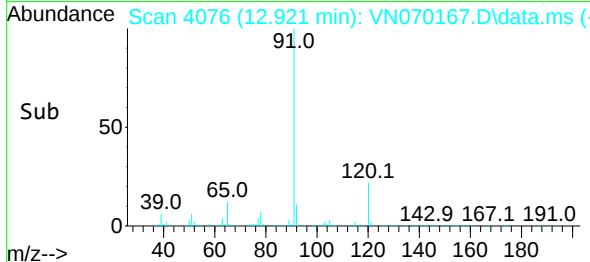
Instrument :
MSVOA_N
ClientSampleId :
MW-15



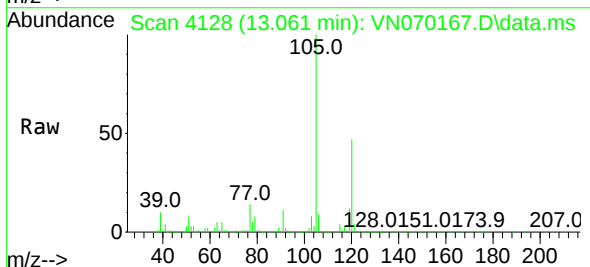
Tgt Ion: 91 Resp: 747129
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9

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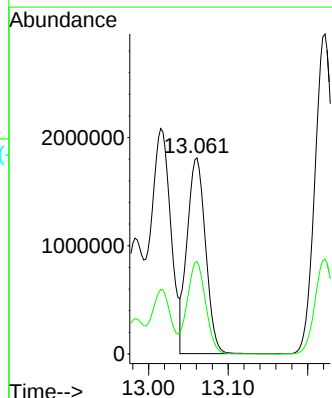
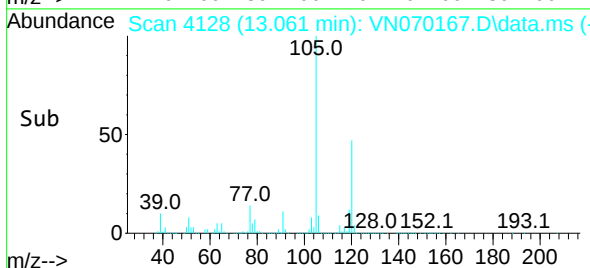
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

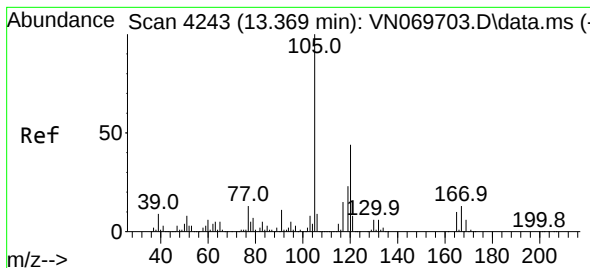


#80
1,3,5-Trimethylbenzene
Concen: 56.241 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36



Tgt Ion:105 Resp: 2903666
Ion Ratio Lower Upper
105 100
120 47.6 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 294.195 ug/l

RT: 13.367 min Scan# 41

Delta R.T. -0.002 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-15

Tgt Ion:105 Resp:1446523

Ion Ratio Lower Upper

105 100

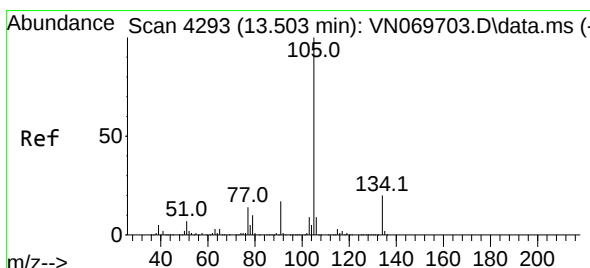
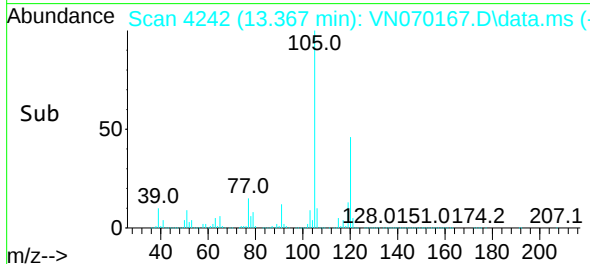
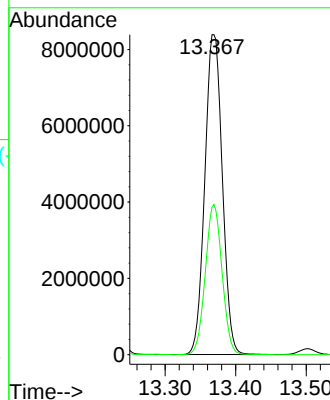
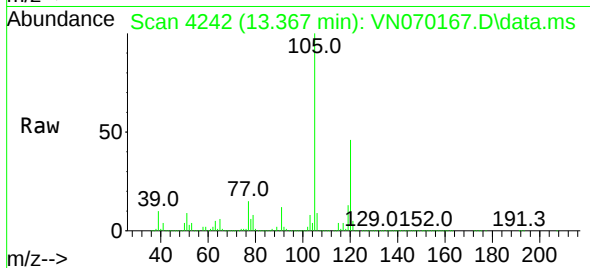
120 44.9 22.8 68.4

Manual Integrations

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Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#85

sec-Butylbenzene

Concen: 4.172 ug/l m

RT: 13.501 min Scan# 4292

Delta R.T. -0.002 min

Lab File: VN070167.D

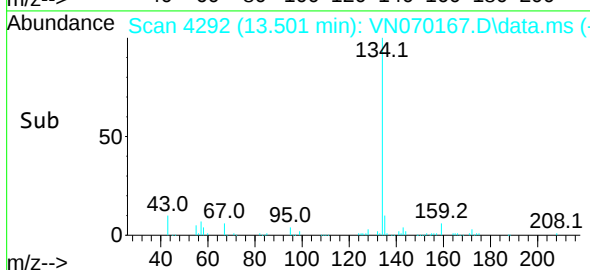
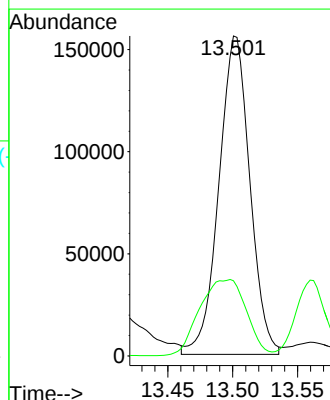
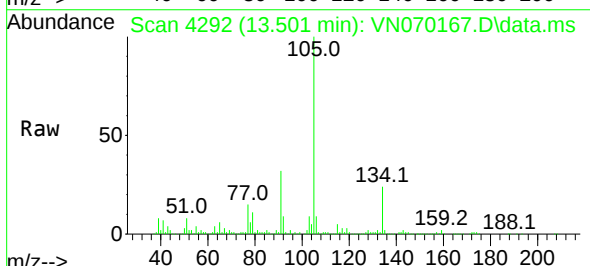
Acq: 17 Dec 2021 16:36

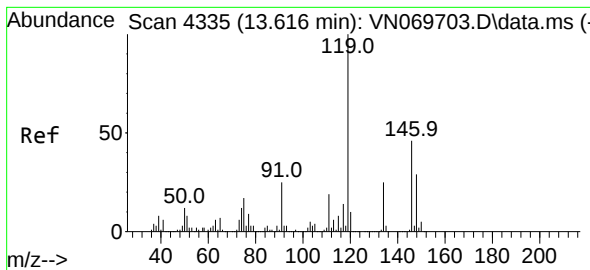
Tgt Ion:105 Resp: 258698

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#





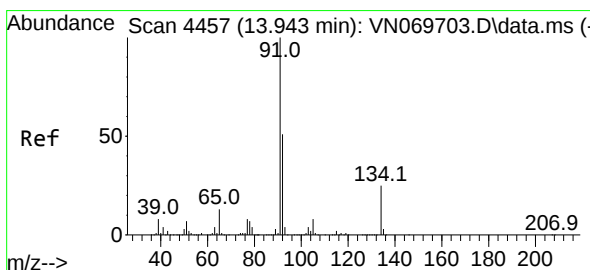
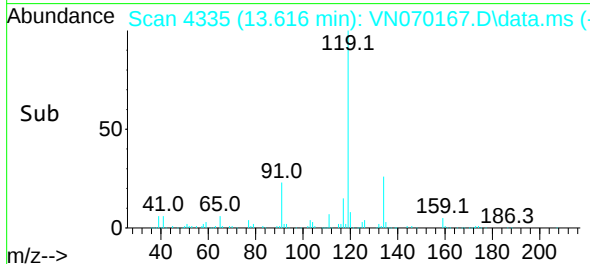
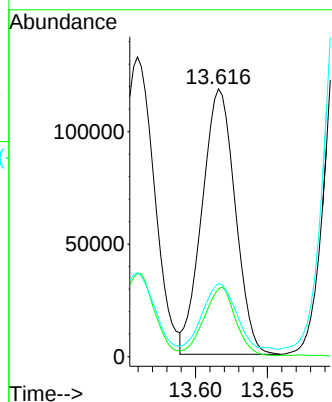
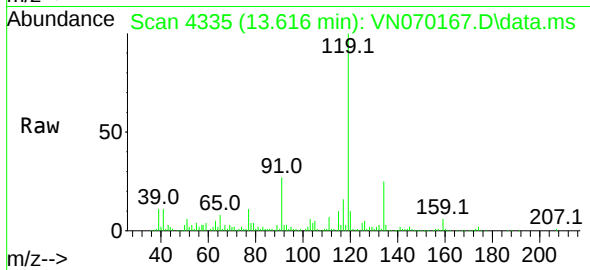
#86
p-Isopropyltoluene
Concen: 3.899 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Instrument :
MSVOA_N
ClientSampleId :
MW-15

Tgt Ion:119 Resp: 188972
Ion Ratio Lower Upper
119 100
134 24.6 13.6 40.7
91 0.0 11.4 34.1

Manual Integrations
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Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#89
n-Butylbenzene
Concen: 6.881 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 91 Resp: 270531
Ion Ratio Lower Upper
91 100
92 63.3 25.4 76.0
134 0.0 13.6 40.8

