

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072608.D
 Acq On : 25 May 2022 00:08
 Operator : JC\MD
 Sample : N2968-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-39

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 05/25/2022

Supervised By :Mahesh
 Dadoda
 05/25/2022

Quant Time: May 25 09:24:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	185303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	352895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	294081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	174298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	104684	49.664	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.320%		
35) Dibromofluoromethane	8.016	113	90002	39.350	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	78.700%		
50) Toluene-d8	10.439	98	340497	38.988	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	77.980%		
62) 4-Bromofluorobenzene	12.727	95	176698	62.208	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	124.420%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.357	59	124194	312.894	ug/l	100
16) Acetone	4.275	43	11928	11.513	ug/l #	74
19) Methyl tert-butyl Ether	5.610	73	83299	14.420	ug/l #	1
22) Diisopropyl ether	6.487	45	14087	2.181	ug/l	91
25) 2-Butanone	7.328	43	4910	2.809	ug/l #	85
31) Cyclohexane	8.092	56	84911	25.430	ug/l #	90
39) Methylcyclohexane	9.451	83	69425	17.411	ug/l	95
40) Benzene	8.451	78	4307489	412.527	ug/l	99
51) 4-Methyl-2-Pentanone	10.334	43	3908	0.952	ug/l #	70
52) Toluene	10.504	92	2624211	396.865	ug/l	99
67) Ethyl Benzene	11.839	91	6792827	606.465	ug/l	99
68) m/p-Xylenes	11.951	106	8737267	2046.536	ug/l	94
69) o-Xylene	12.275	106	4223618	1023.391	ug/l	97
73) Isopropylbenzene	12.575	105	365549	23.544	ug/l	99
78) n-propylbenzene	12.916	91	1226279	71.231	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	1256148	104.017	ug/l	100
84) 1,2,4-Trimethylbenzene	13.363	105	5699152	481.251	ug/l	100
85) sec-Butylbenzene	13.498	105	50619m	3.366	ug/l	
86) p-Isopropyltoluene	13.610	119	29791	2.512	ug/l #	77
89) n-Butylbenzene	13.933	91	32808	3.429	ug/l #	72
95) Naphthalene	15.498	128	2388084	220.155	ug/l	100

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

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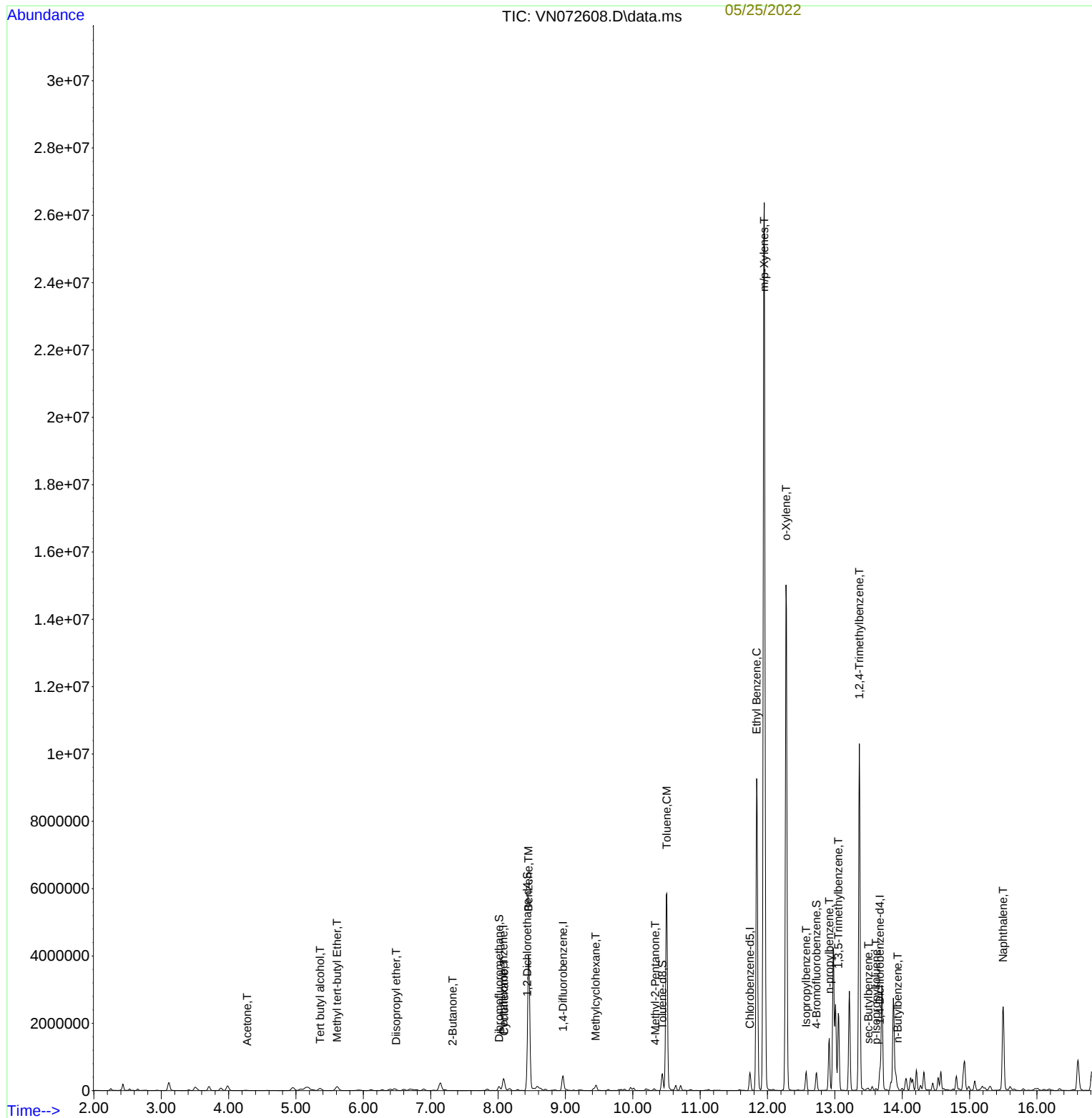
Instrument :
MSVOA_N
ClientSampleId :
MW-39

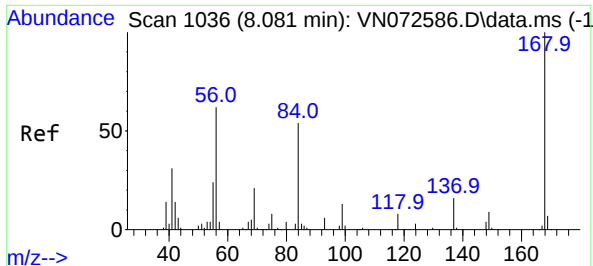
Manual Integrations
APPROVED

Reviewed By :John
Carlone
05/25/2022

Supervised By :Mahesh
Dadoda
05/25/2022

Quant Time: May 25 09:24:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
Quant Title : SW846 8260
QLast Update : Wed May 25 09:15:20 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VN072608.D

Acq: 25 May 2022 00:08

Instrument :

MSVOA_N

ClientSampleId :

MW-39

Tgt Ion:168 Resp: 18530

Ion Ratio Lower Upper

168 100

99 50.1 42.3 63.5

Manual Integrations

APPROVED

Reviewed By :John

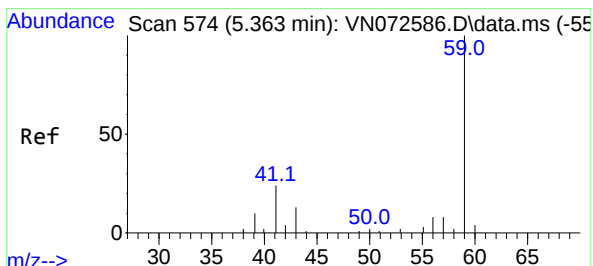
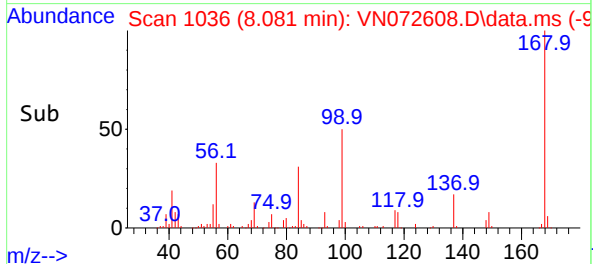
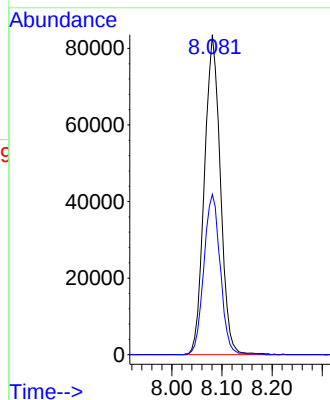
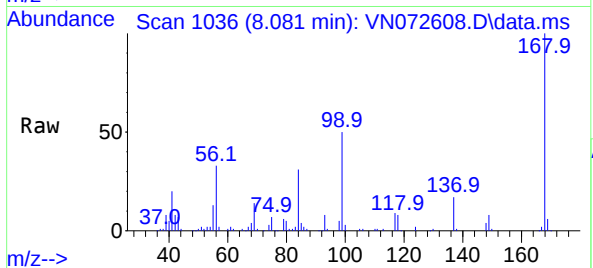
Carlone

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Supervised By :Mahesh

Dadoda

05/25/2022



#11

Tert butyl alcohol

Concen: 312.894 ug/l

RT: 5.357 min Scan# 573

Delta R.T. -0.006 min

Lab File: VN072608.D

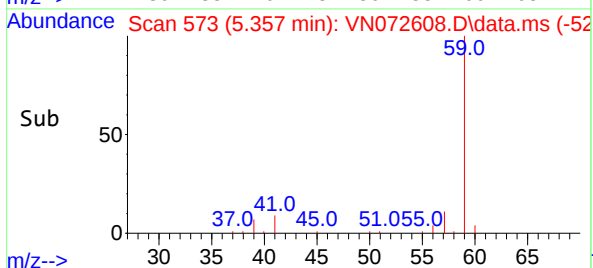
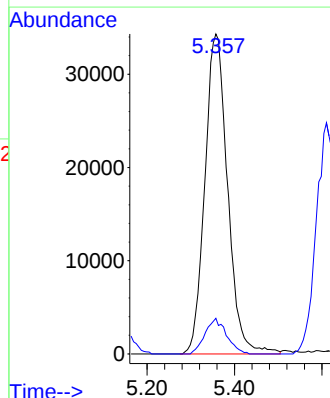
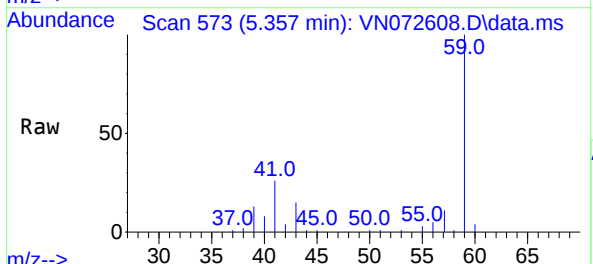
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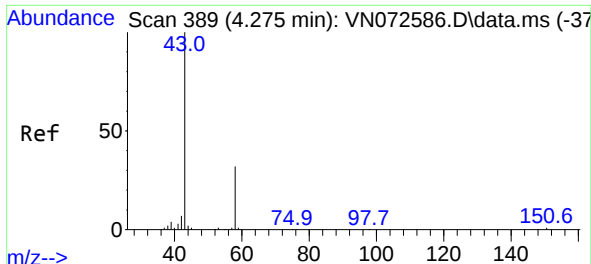
Tgt Ion: 59 Resp: 124194

Ion Ratio Lower Upper

59 100

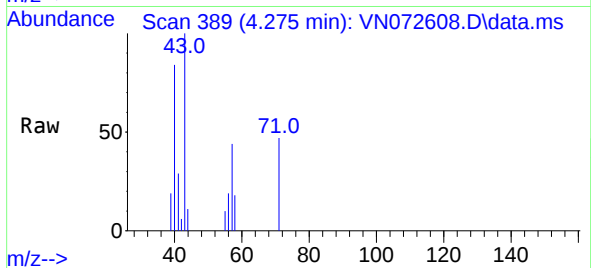
57 10.5 8.3 12.5





#16
Acetone
Concen: 11.513 ug/l
RT: 4.275 min Scan# 389
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

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MSVOA_N
ClientSampleId :
MW-39

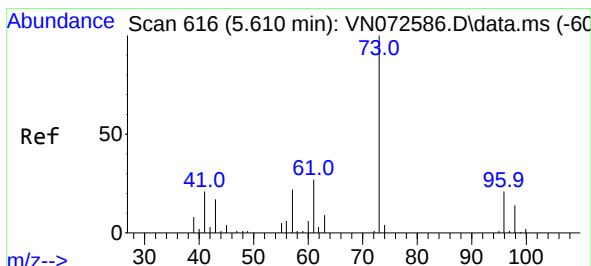
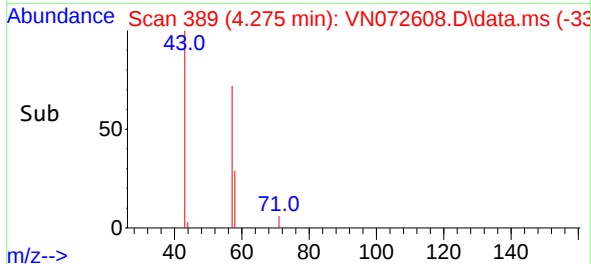
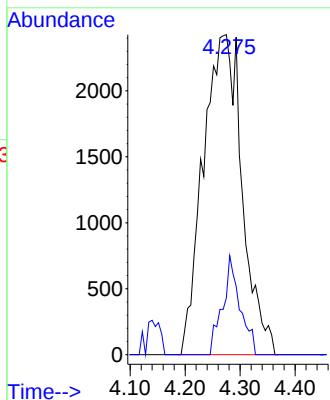


Tgt Ion: 43 Resp: 11928
Ion Ratio Lower Upper
43 100
58 17.8 26.0 39.0

Manual Integrations
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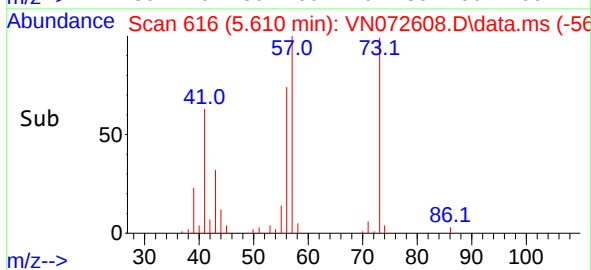
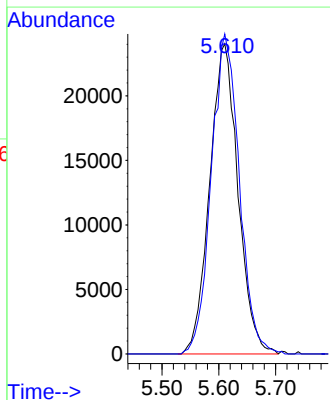
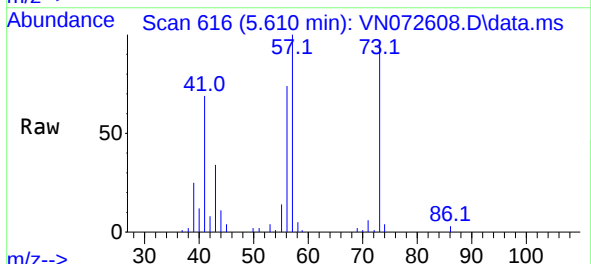
Reviewed By :John
Carlone
05/25/2022

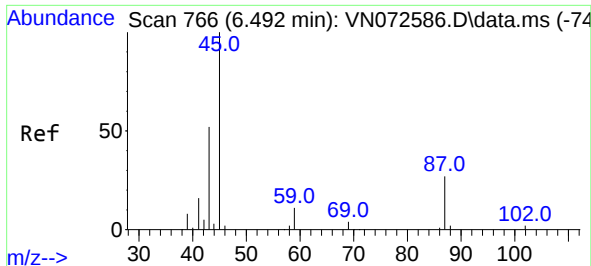
Supervised By :Mahesh
Dadoda
05/25/2022



#19
Methyl tert-butyl Ether
Concen: 14.420 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

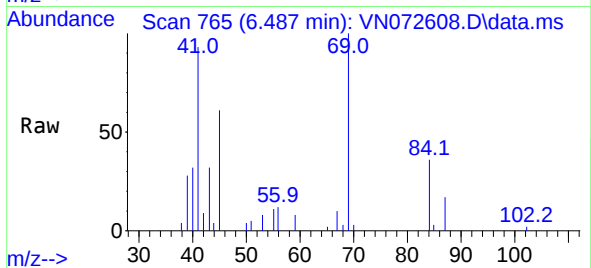
Tgt Ion: 73 Resp: 83299
Ion Ratio Lower Upper
73 100
57 103.1 17.6 26.4#





#22
Diisopropyl ether
Concen: 2.181 ug/l
RT: 6.487 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument : MSVOA_N
Client Sample Id : MW-39

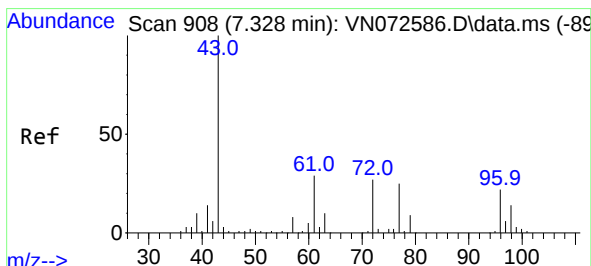
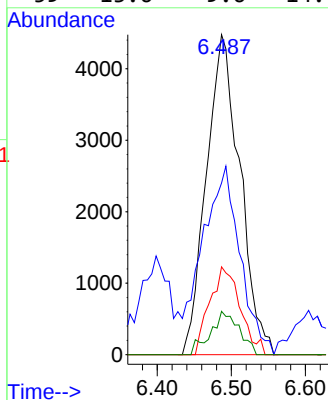
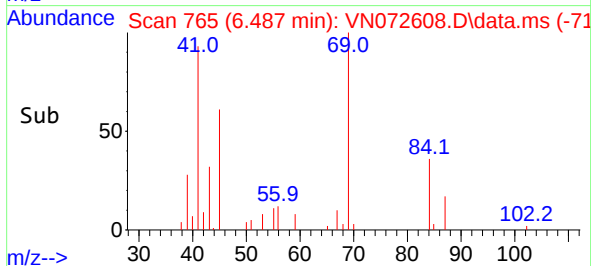


Tgt Ion: 45 Resp: 1408
Ion Ratio Lower Upper
45 100
43 49.8 46.6 70.0
87 27.5 24.3 36.5
59 13.6 9.6 14.4

Manual Integrations
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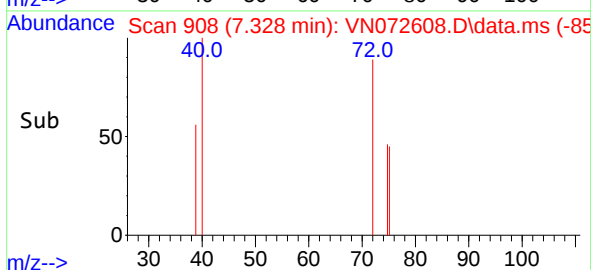
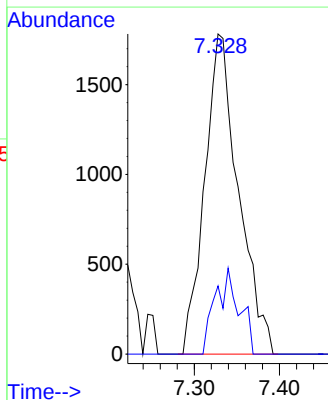
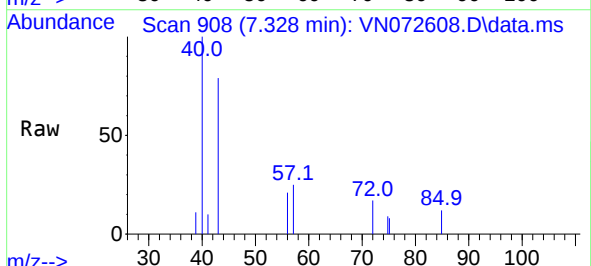
Reviewed By :John
Carlone
05/25/2022

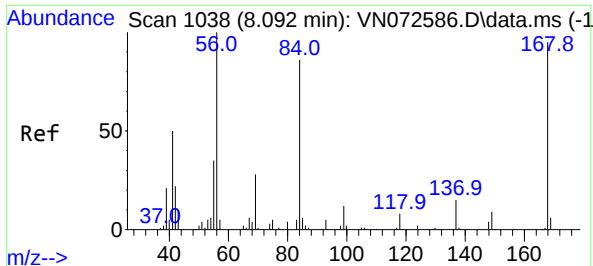
Supervised By :Mahesh
Dadoda
05/25/2022



#25
2-Butanone
Concen: 2.809 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

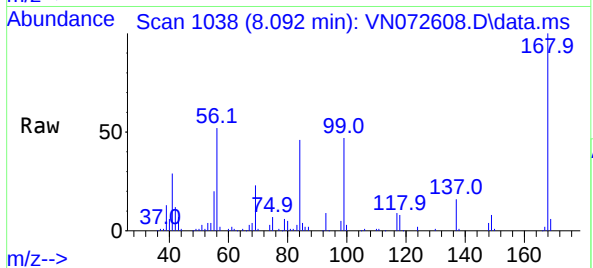
Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
72 21.3 23.7 35.5#





#31
Cyclohexane
Concen: 25.430 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

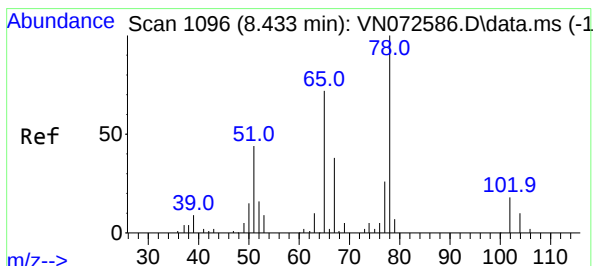
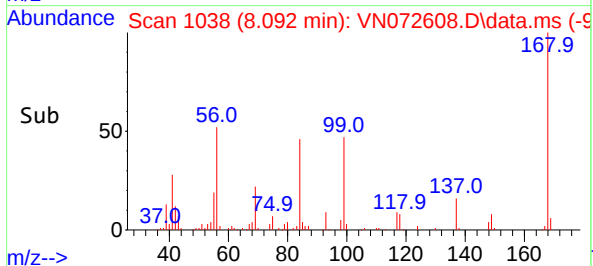
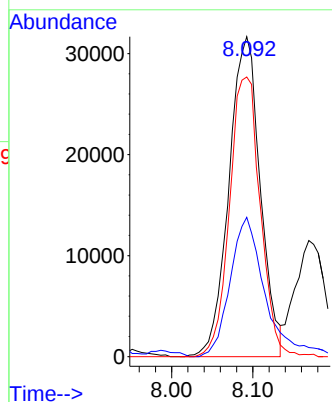


Tgt Ion: 56 Resp: 8491
Ion Ratio Lower Upper
56 100
69 42.3 27.8 41.8
84 87.4 76.9 115.3

Manual Integrations
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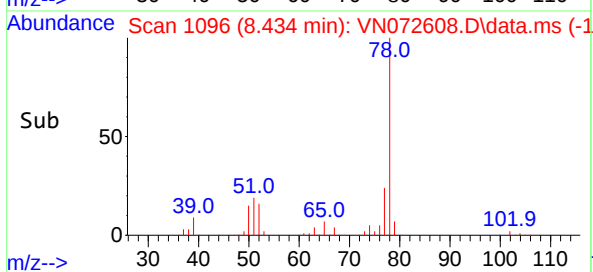
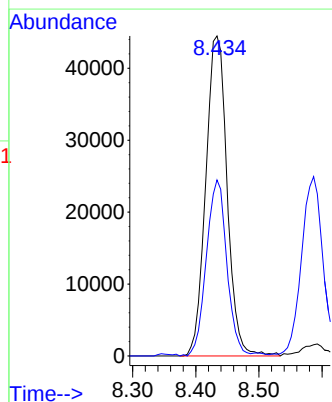
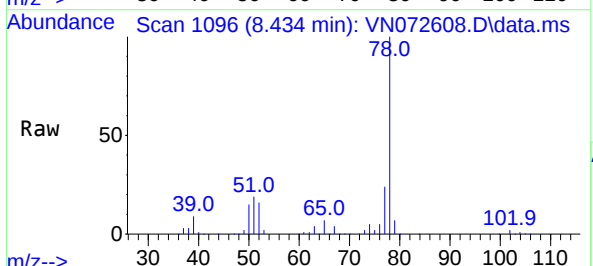
Reviewed By :John
Carlone
05/25/2022

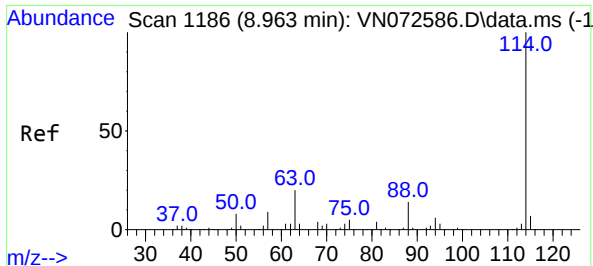
Supervised By :Mahesh
Dadoda
05/25/2022



#33
1,2-Dichloroethane-d4
Concen: 49.664 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.001 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Tgt Ion: 65 Resp: 104684
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072608.D

Acq: 25 May 2022 00:08

Instrument :

MSVOA_N

ClientSampleId :

MW-39

Tgt Ion:114 Resp: 35289

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.0
88	15.5	0.0	32.6

Manual Integrations

APPROVED

Reviewed By :John

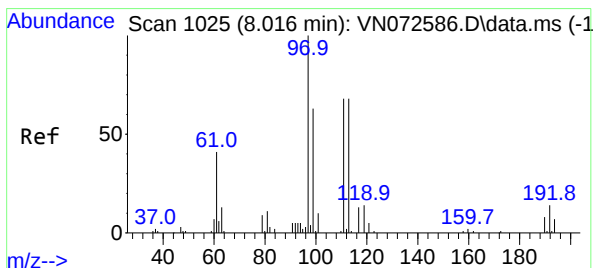
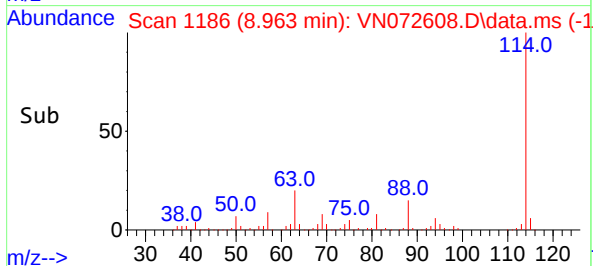
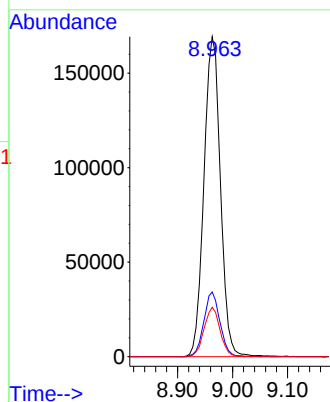
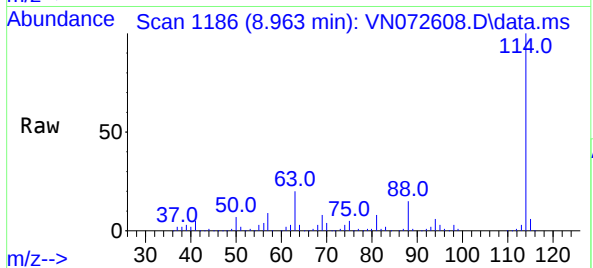
Carlone

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Supervised By :Mahesh

Dadoda

05/25/2022



#35

Dibromofluoromethane

Concen: 39.350 ug/l

RT: 8.016 min Scan# 1025

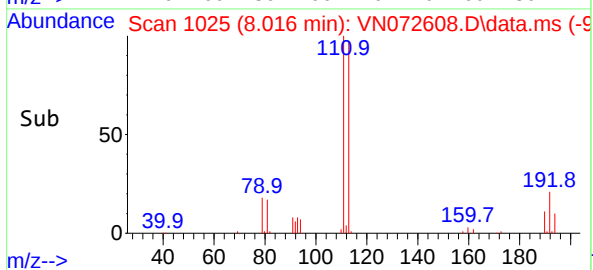
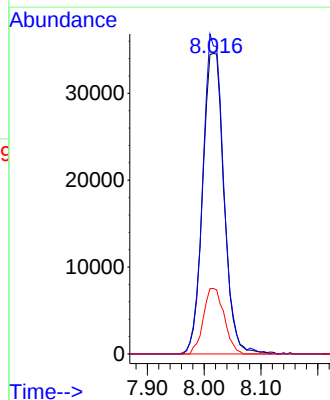
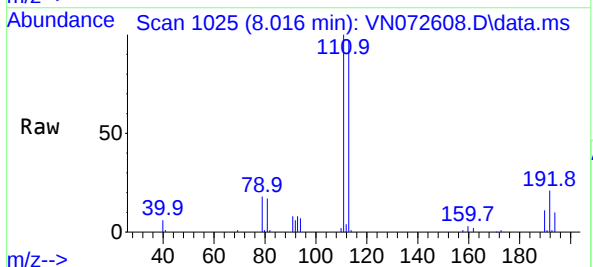
Delta R.T. 0.000 min

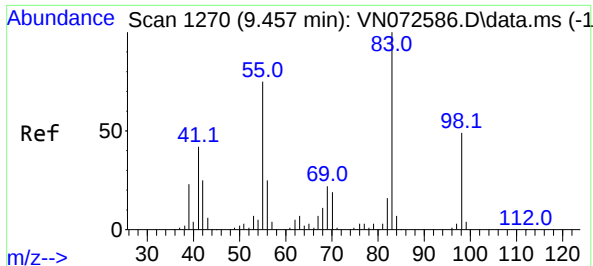
Lab File: VN072608.D

Acq: 25 May 2022 00:08

Tgt Ion:113 Resp: 90002

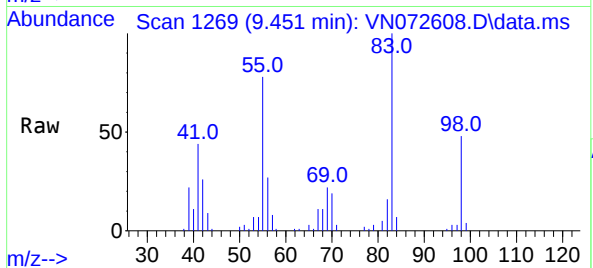
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	21.2	17.0	25.6





#39
Methylcyclohexane
Concen: 17.411 ug/l
RT: 9.451 min Scan# 1099
Delta R.T. -0.006 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
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MW-39

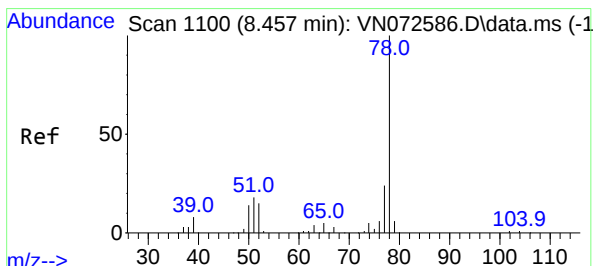
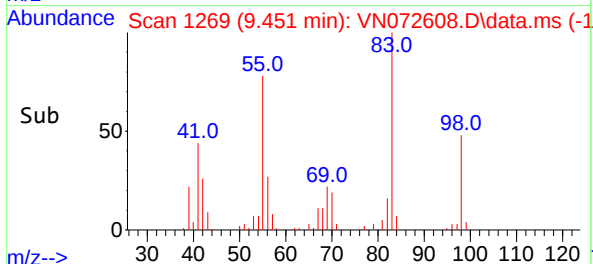
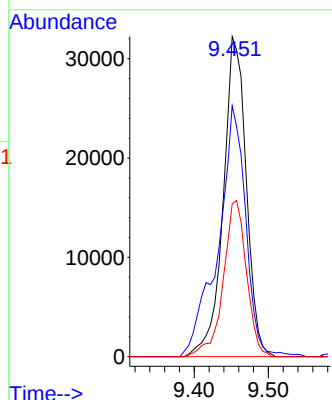


Tgt Ion: 83 Resp: 69425
Ion Ratio Lower Upper
83 100
55 78.4 57.8 86.8
98 47.8 39.4 59.2

Manual Integrations
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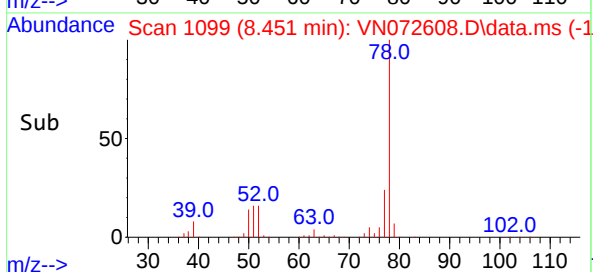
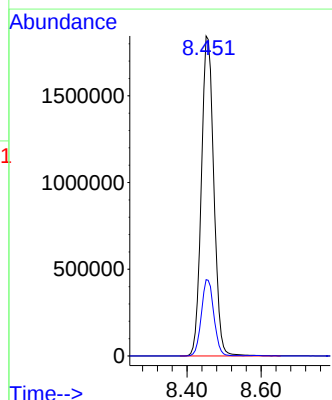
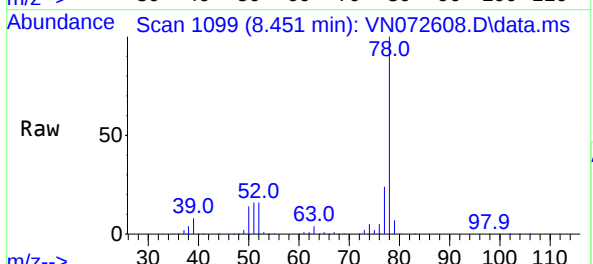
Reviewed By :John
Carlone
05/25/2022

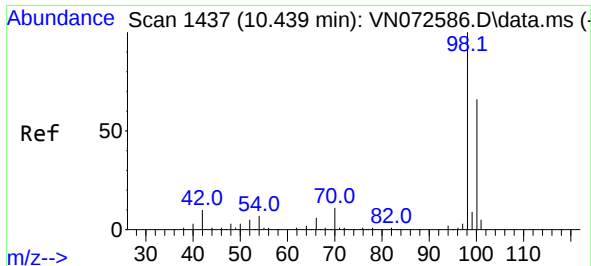
Supervised By :Mahesh
Dadoda
05/25/2022



#40
Benzene
Concen: 412.527 ug/l
RT: 8.451 min Scan# 1099
Delta R.T. -0.006 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

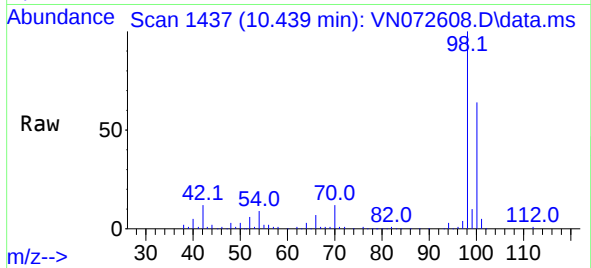
Tgt Ion: 78 Resp: 4307489
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0





#50
Toluene-d8
Concen: 38.988 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

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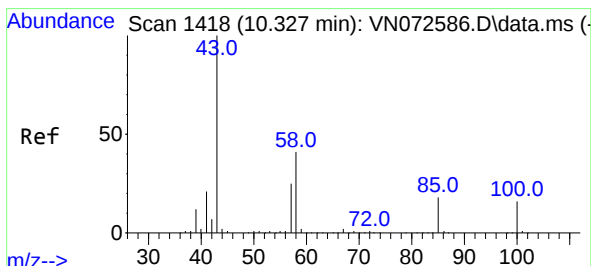
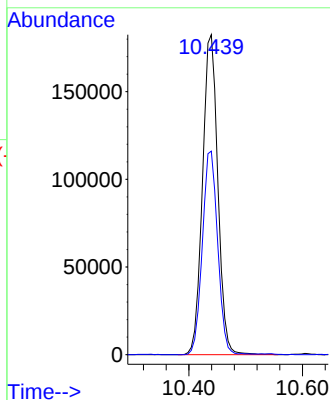
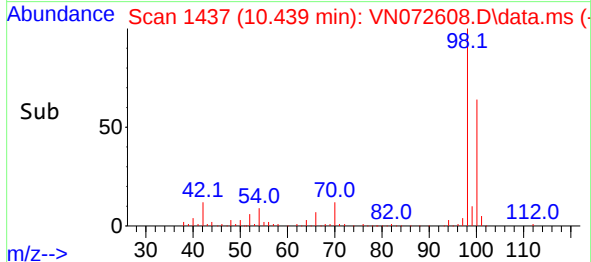


Tgt Ion: 98 Resp: 34049
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8

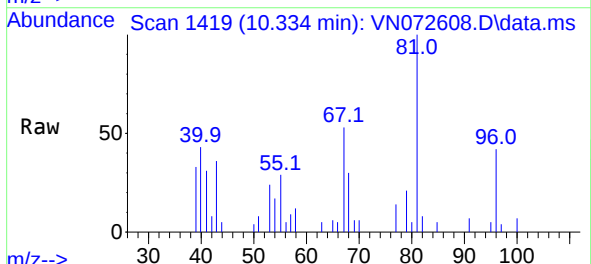
Manual Integrations
APPROVED

Reviewed By :John
Carlone
05/25/2022

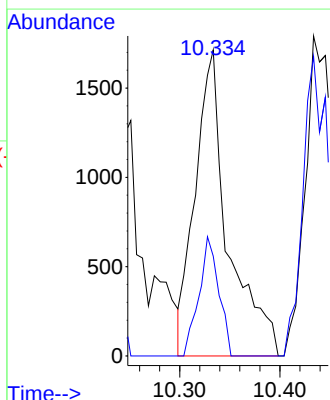
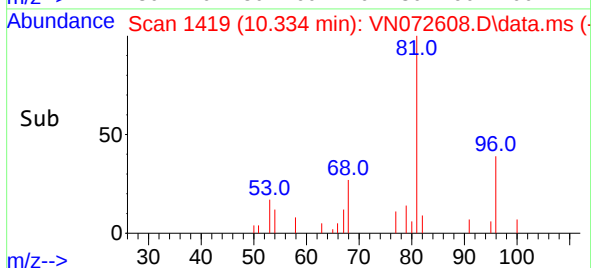
Supervised By :Mahesh
Dadoda
05/25/2022

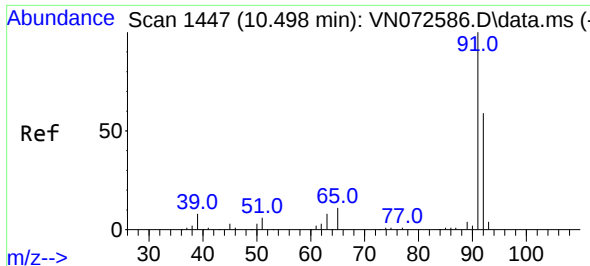


#51
4-Methyl-2-Pentanone
Concen: 0.952 ug/l
RT: 10.334 min Scan# 1419
Delta R.T. 0.007 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08



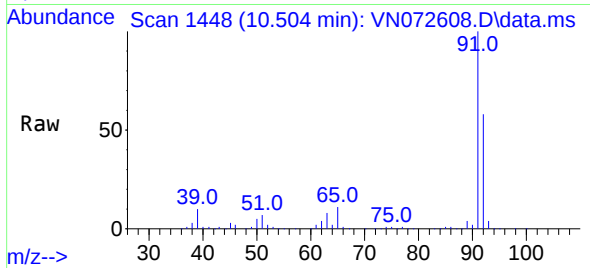
Tgt Ion: 43 Resp: 3908
Ion Ratio Lower Upper
43 100
58 23.5 34.1 51.1#





#52
Toluene
Concen: 396.865 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

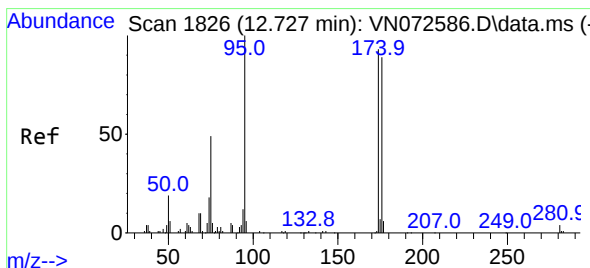
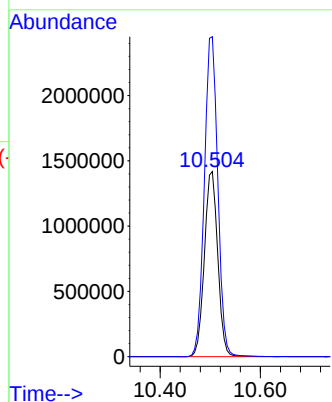


Tgt Ion: 92 Resp: 262421
Ion Ratio Lower Upper
92 100
91 174.3 138.6 207.8

Manual Integrations
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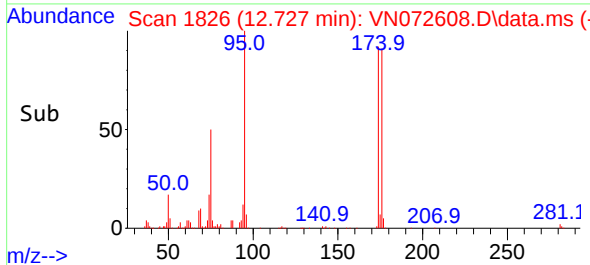
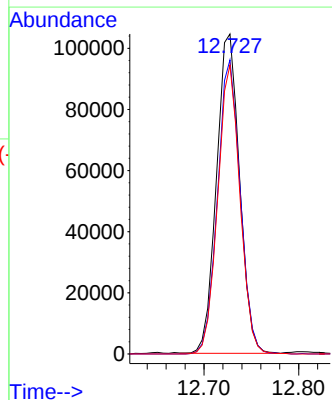
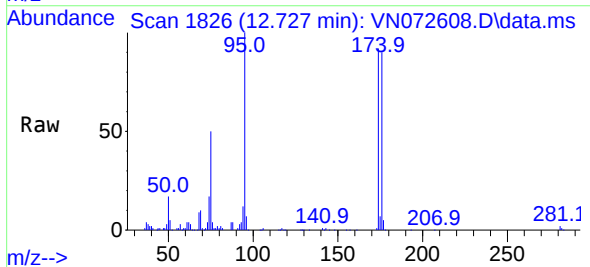
Reviewed By :John
Carlone
05/25/2022

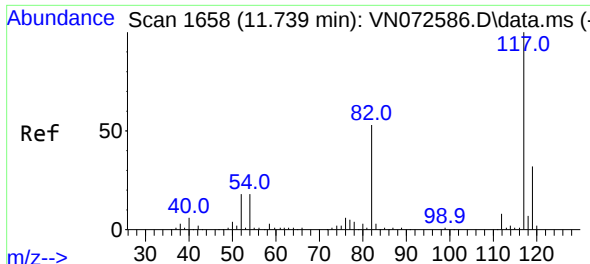
Supervised By :Mahesh
Dadoda
05/25/2022



#62
4-Bromofluorobenzene
Concen: 62.208 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

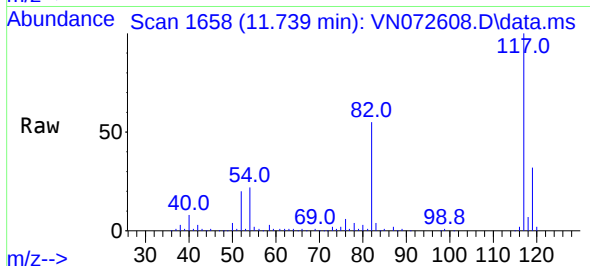
Tgt Ion: 95 Resp: 176698
Ion Ratio Lower Upper
95 100
174 90.6 0.0 167.6
176 87.3 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

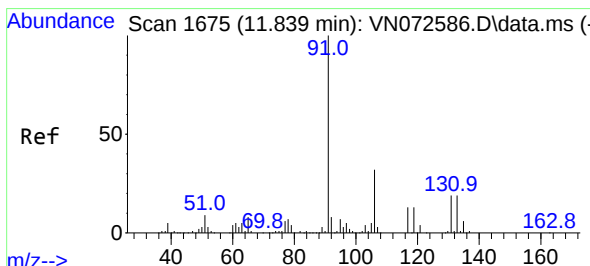
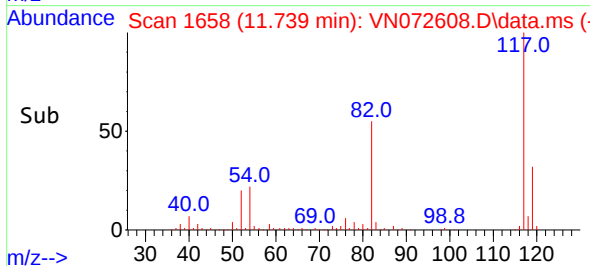
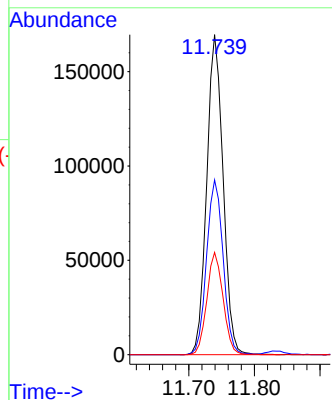


Tgt Ion: 117 Resp: 29408
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.9 25.4 38.0

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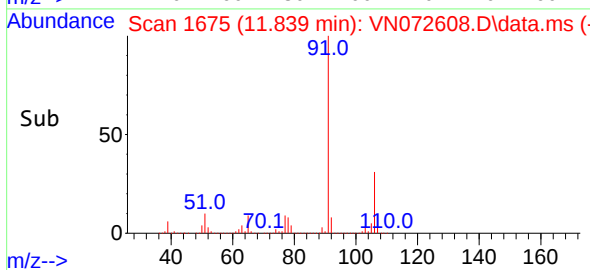
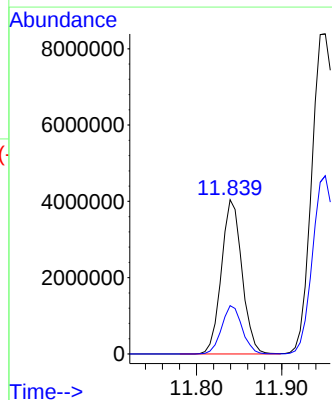
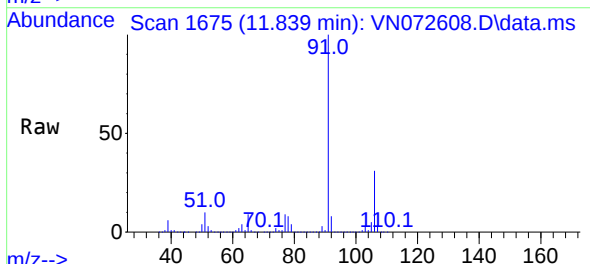
Reviewed By :John
Carlone
05/25/2022

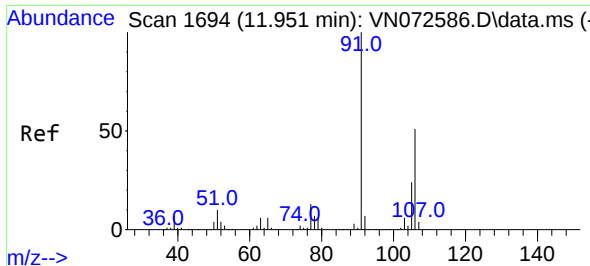
Supervised By :Mahesh
Dadoda
05/25/2022



#67
Ethyl Benzene
Concen: 606.465 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

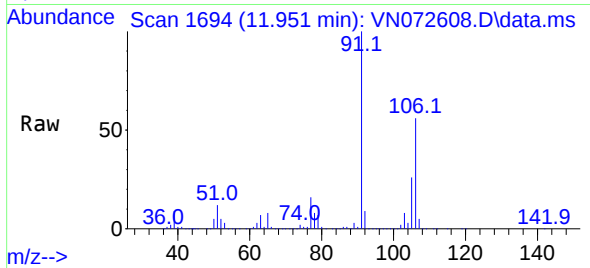
Tgt Ion: 91 Resp: 6792827
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3





#68
m/p-Xylenes
Concen: 2046.536 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

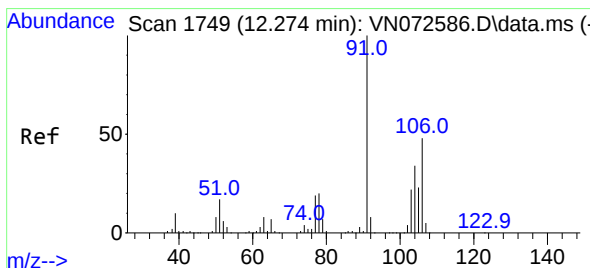
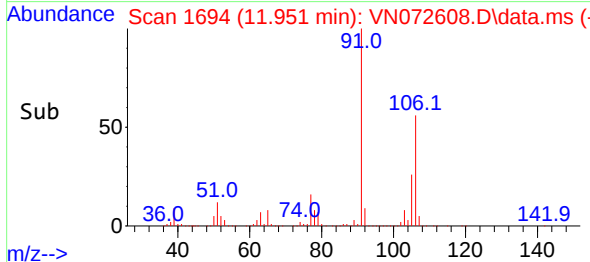
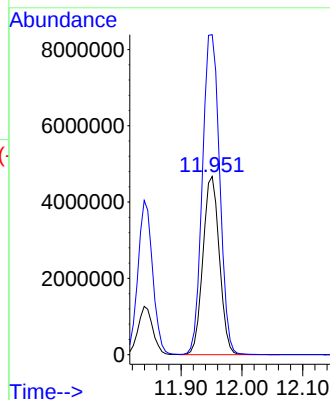


Tgt Ion:106 Resp: 873726
Ion Ratio Lower Upper
106 100
91 189.1 158.9 238.3

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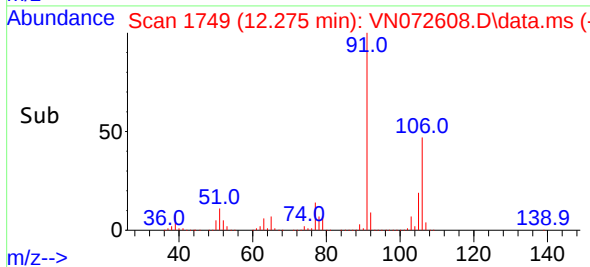
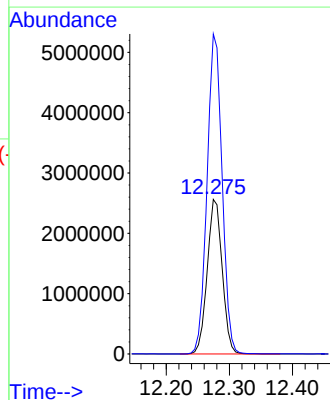
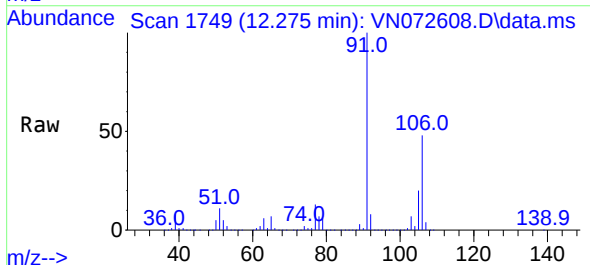
Reviewed By :John
Carlone
05/25/2022

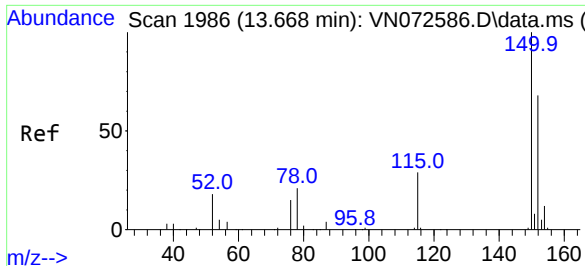
Supervised By :Mahesh
Dadoda
05/25/2022



#69
o-Xylene
Concen: 1023.391 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

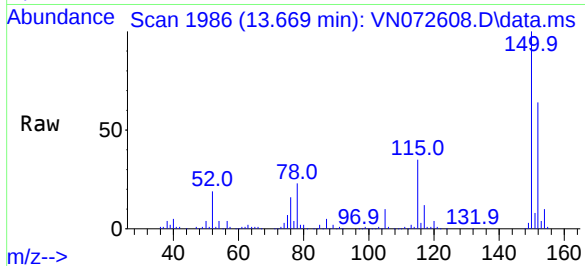
Tgt Ion:106 Resp: 4223618
Ion Ratio Lower Upper
106 100
91 207.9 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

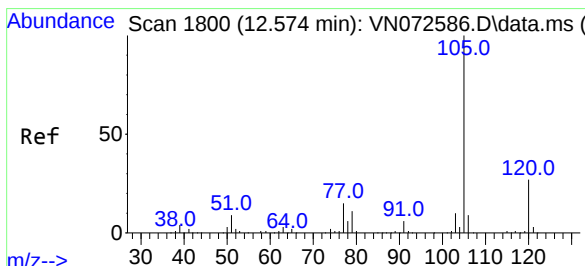
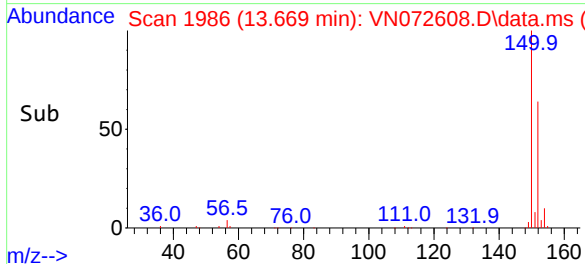
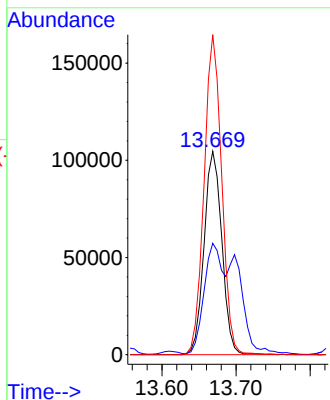


Tgt Ion:152 Resp: 174298
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 155.9 0.0 356.2

Manual Integrations
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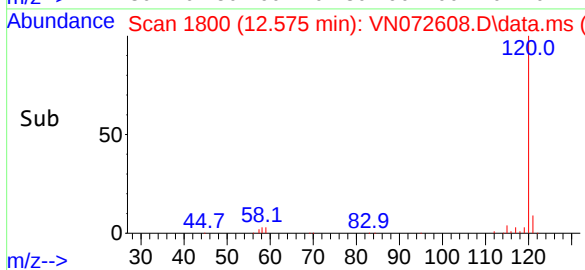
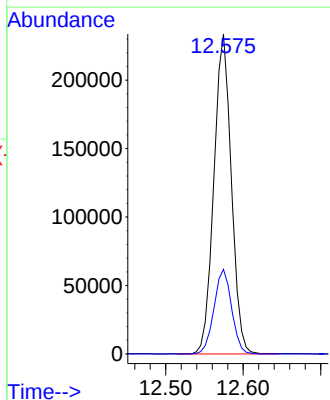
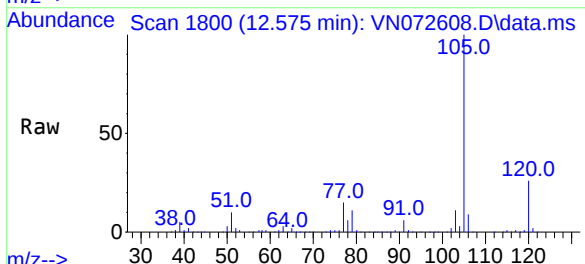
Reviewed By :John
Carlone
05/25/2022

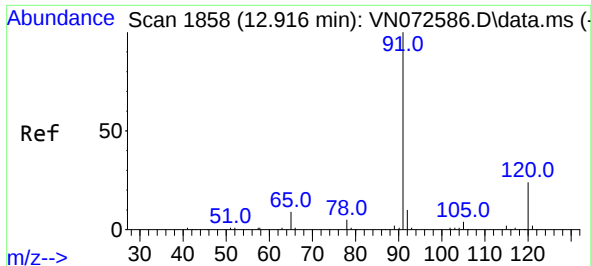
Supervised By :Mahesh
Dadoda
05/25/2022



#73
Isopropylbenzene
Concen: 23.544 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.001 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

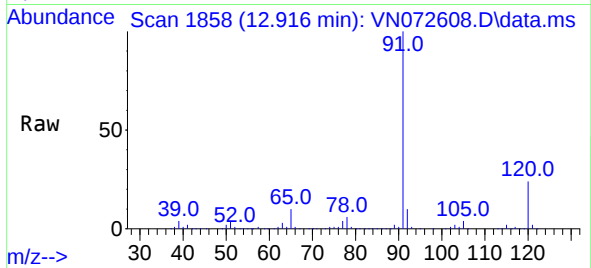
Tgt Ion:105 Resp: 365549
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4





#78
n-propylbenzene
Concen: 71.231 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

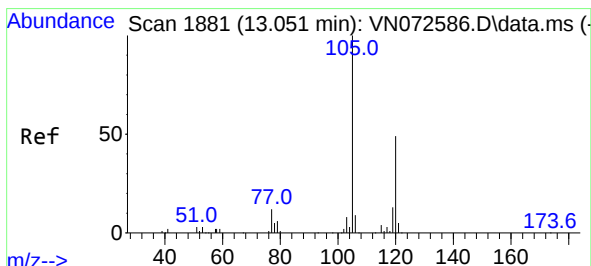
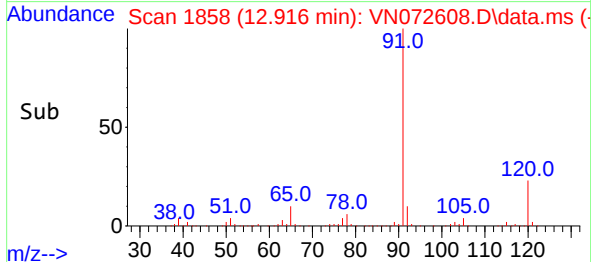
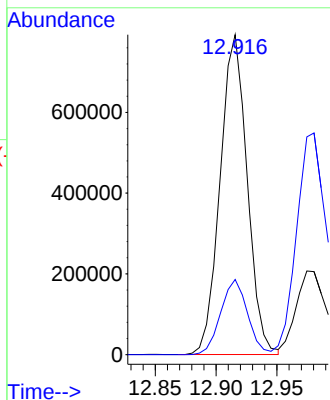


Tgt Ion: 91 Resp: 1226279
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.5

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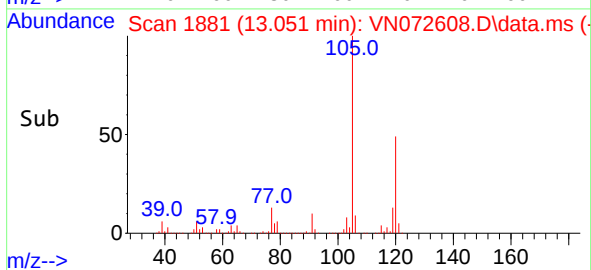
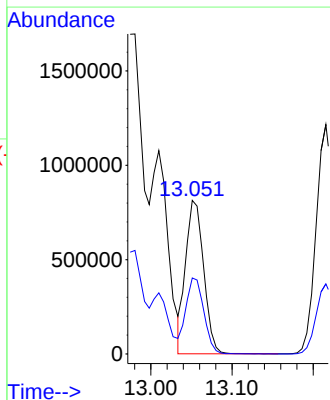
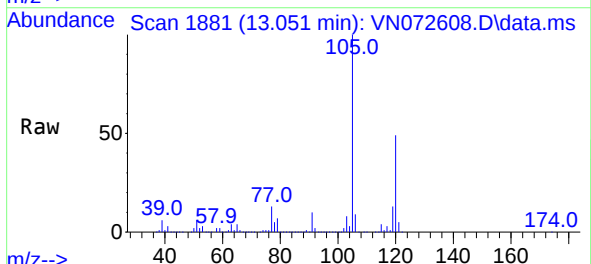
Reviewed By :John
Carlone
05/25/2022

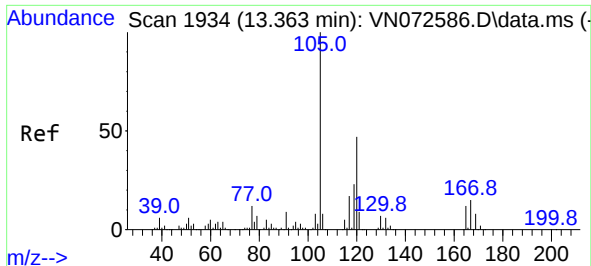
Supervised By :Mahesh
Dadoda
05/25/2022



#80
1,3,5-Trimethylbenzene
Concen: 104.017 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

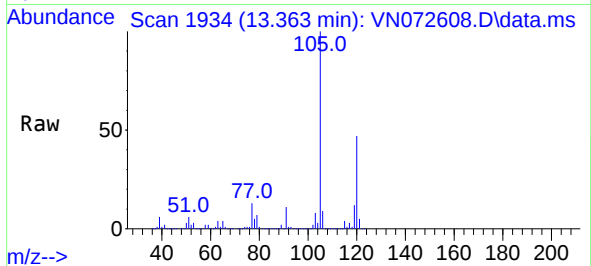
Tgt Ion:105 Resp: 1256148
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 481.251 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

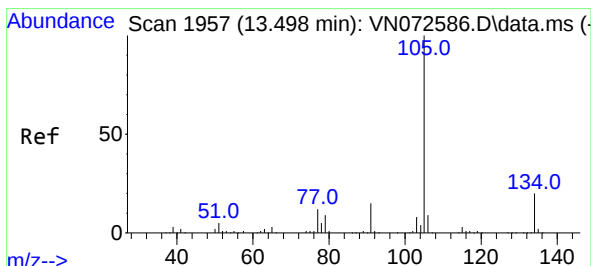
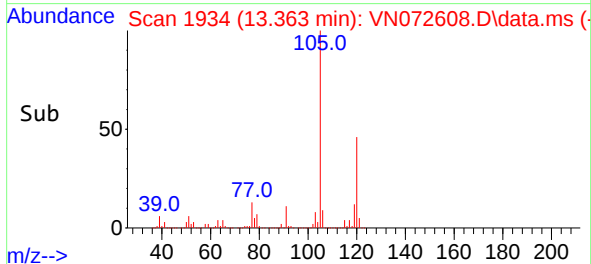
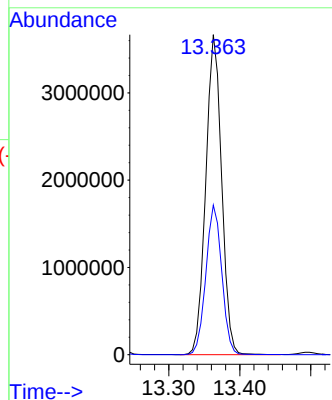


Tgt Ion:105 Resp: 569915
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8

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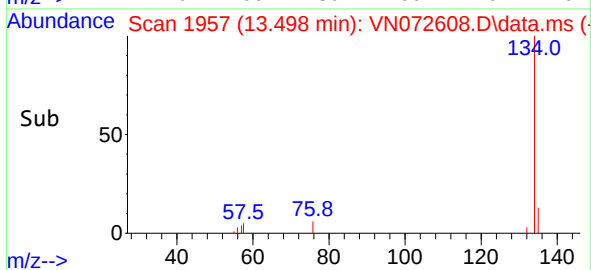
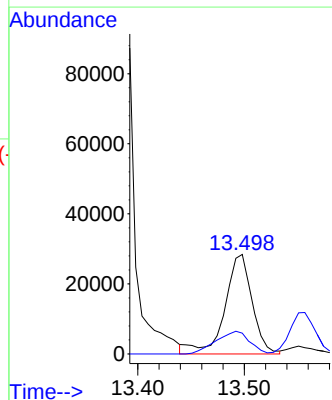
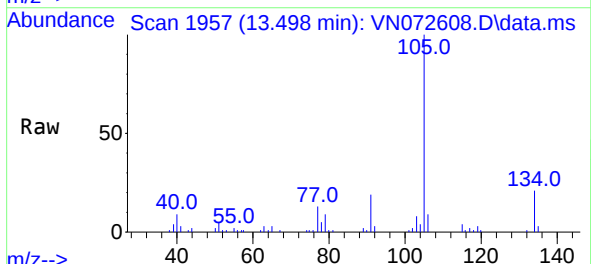
Reviewed By :John
Carlone
05/25/2022

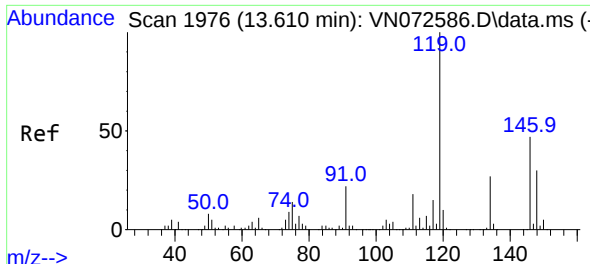
Supervised By :Mahesh
Dadoda
05/25/2022



#85
sec-Butylbenzene
Concen: 3.366 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

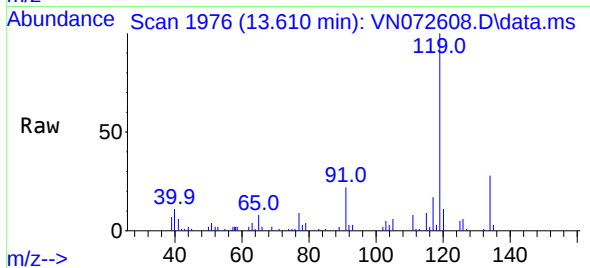
Tgt Ion:105 Resp: 50619
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 2.512 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39

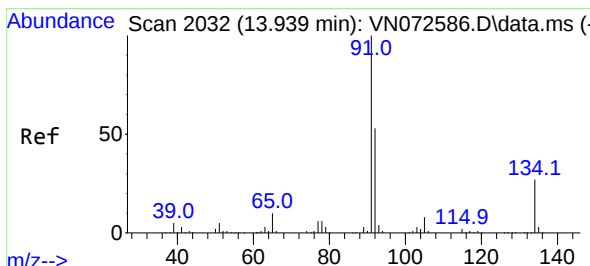
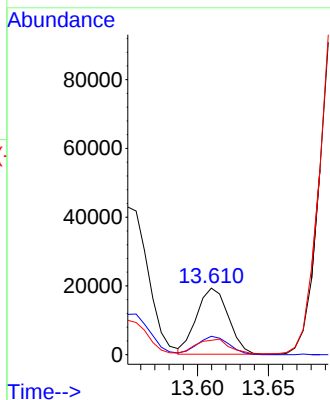
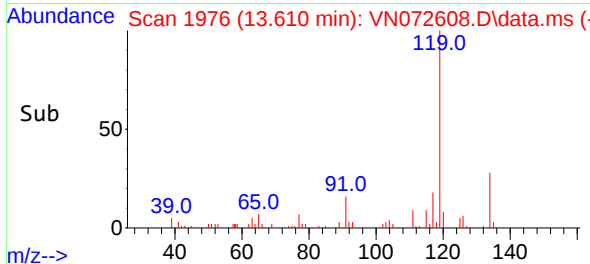


Tgt Ion: 119 Resp: 2979
Ion Ratio Lower Upper
119 100
134 27.5 13.3 39.8
91 0.0 11.3 33.9

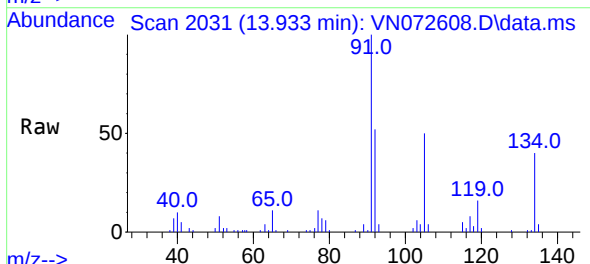
Manual Integrations
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Reviewed By :John
Carlone
05/25/2022

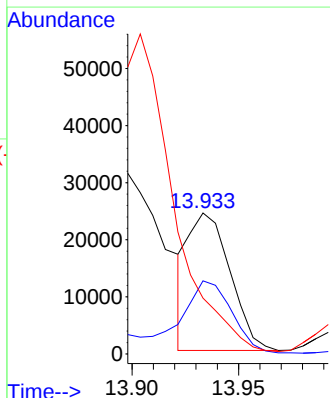
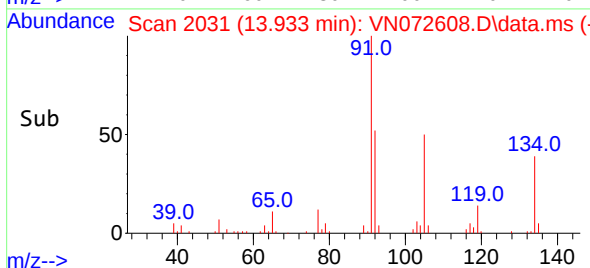
Supervised By :Mahesh
Dadoda
05/25/2022

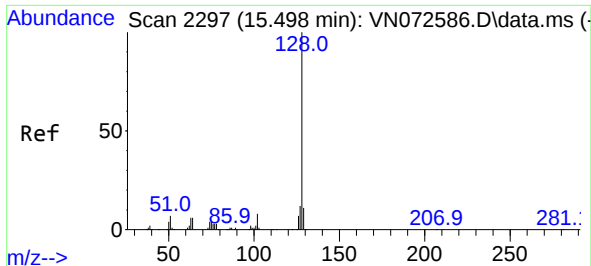


#89
n-Butylbenzene
Concen: 3.429 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08



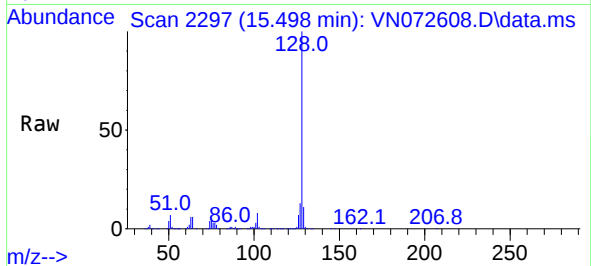
Tgt Ion: 91 Resp: 32808
Ion Ratio Lower Upper
91 100
92 64.6 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 220.155 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072608.D
Acq: 25 May 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion:128 Resp: 2388084
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.6 13.0

Manual Integrations
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Reviewed By :John
Carlone
05/25/2022

Supervised By :Mahesh
Dadoda
05/25/2022

