

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070634.D
 Acq On : 14 Jan 2022 19:54
 Operator : JC/MD
 Sample : N1148-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-47

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 05:41:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	896662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1528149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1435562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	622642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	697549	54.106	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.220%			
35) Dibromofluoromethane	8.021	113	498132	53.875	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.760%			
50) Toluene-d8	10.441	98	2103613	55.694	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.731	95	900003	65.972	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 131.940%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.382	59	620563	289.087	ug/l	98
16) Acetone	4.283	43	79591m	9.510	ug/l	
19) Methyl tert-butyl Ether	5.618	73	2199149	64.845	ug/l #	7
22) Diisopropyl ether	6.501	45	32442	0.804	ug/l	87
25) 2-Butanone	7.340	43	67311	6.388	ug/l #	85
31) Cyclohexane	8.094	56	1076885	52.933	ug/l	88
39) Methylcyclohexane	9.459	83	673685	36.381	ug/l #	87
40) Benzene	8.461	78	873321	18.624	ug/l	99
52) Toluene	10.505	92	684615	24.120	ug/l	98
67) Ethyl Benzene	11.830	91	23640103m	423.591	ug/l	
68) m/p-Xylenes	11.956	106	15830042	779.240	ug/l #	1
69) o-Xylene	12.280	106	3943584	195.167	ug/l	94
73) Isopropylbenzene	12.578	105	3979260	68.820	ug/l	98
78) n-propylbenzene	12.919	91	8936446	139.490	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	3497437	75.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.367	105	12269492	274.992	ug/l	99
85) sec-Butylbenzene	13.501	105	604264	10.909	ug/l #	70
86) p-Isopropyltoluene	13.616	119	171121	3.933	ug/l #	77
95) Naphthalene	15.504	128	14237101	485.611	ug/l	99

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

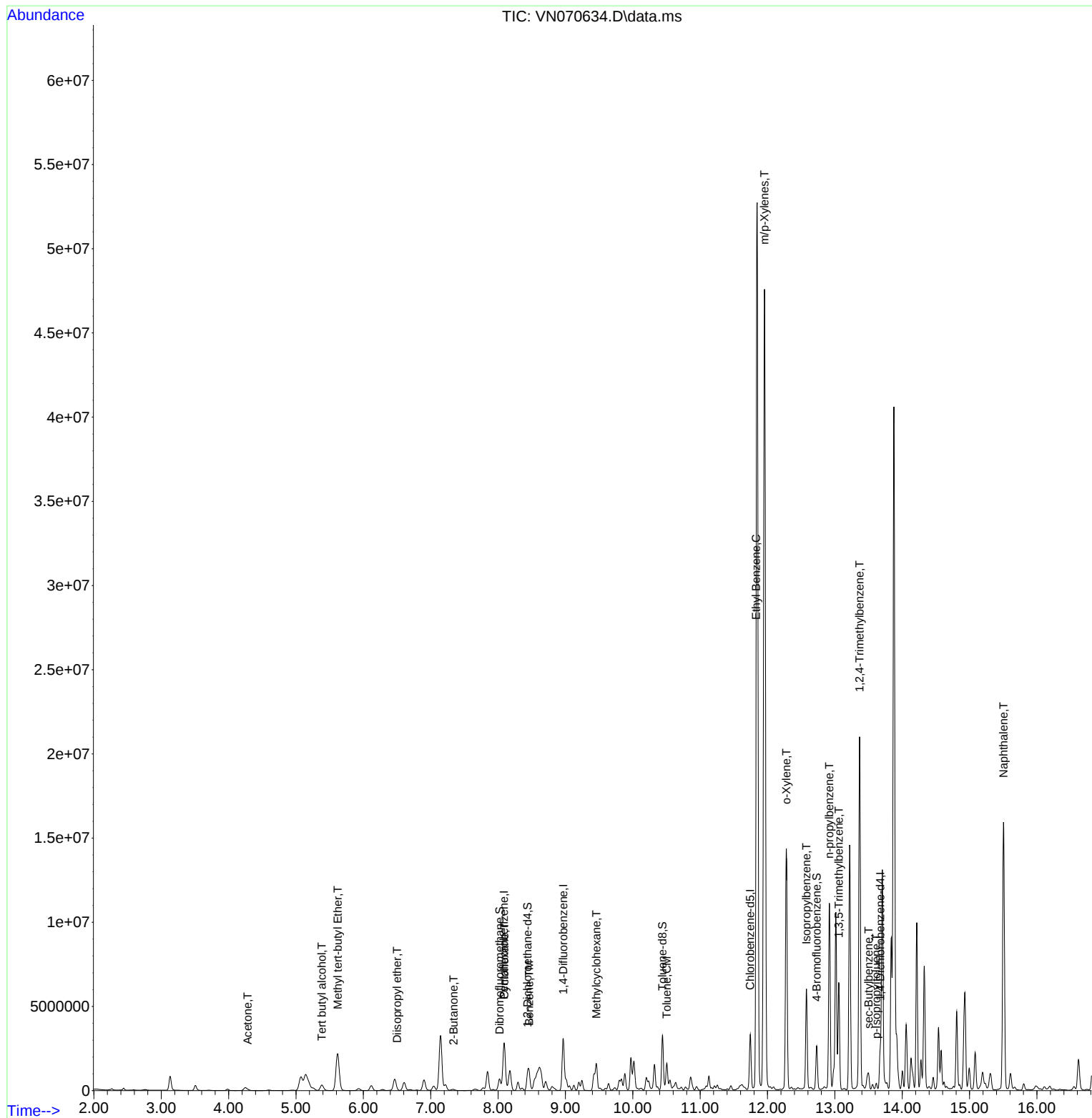
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
Data File : VN070634.D
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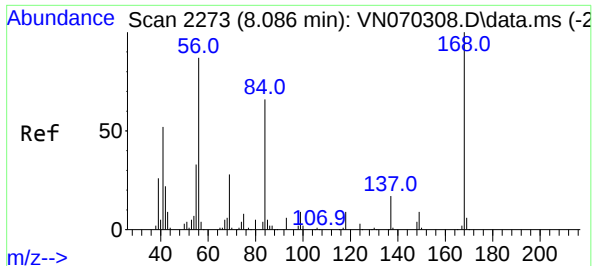
Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Jan 17 05:41:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

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APPROVED

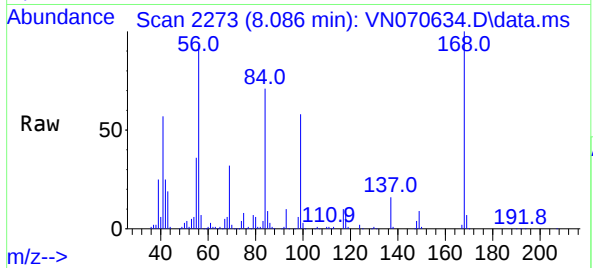
Reviewed By : John Carlone 01/17/2022
Supervised By : Mahesh Dadoda 01/18/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

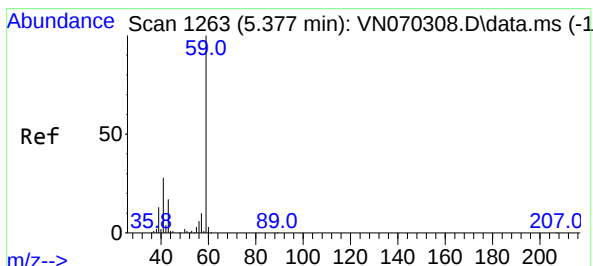
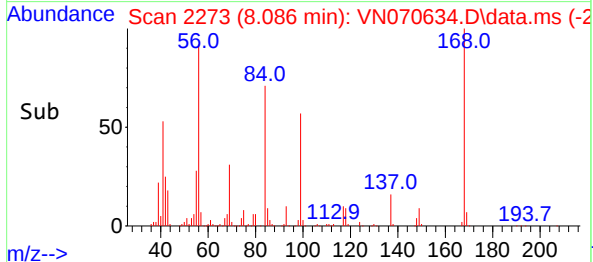
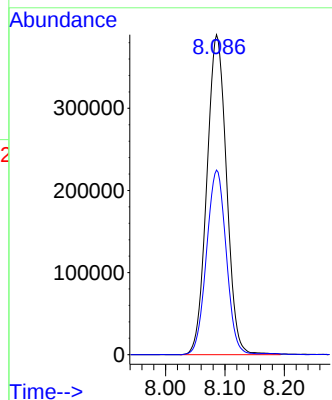
Instrument :
MSVOA_N
ClientSampleId :
MW-47



Tgt Ion:168 Resp: 896662
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9

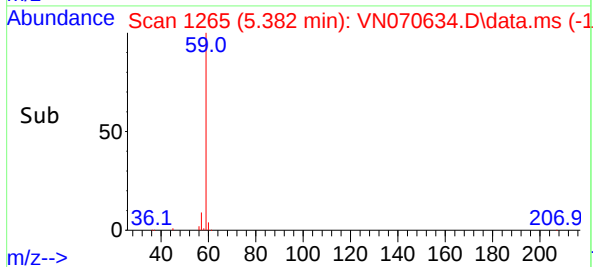
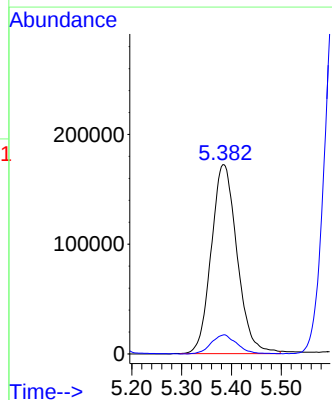
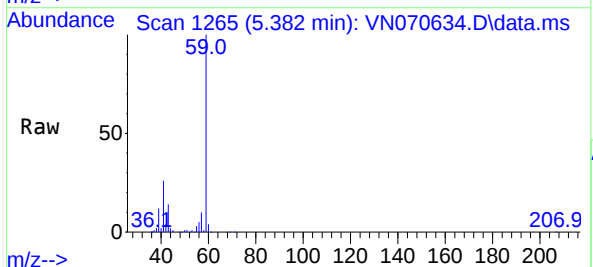
Manual Integrations
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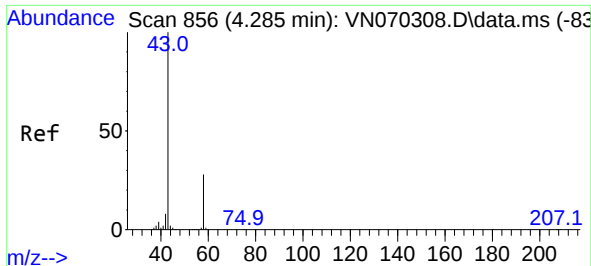
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#11
Tert butyl alcohol
Concen: 289.087 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. 0.005 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

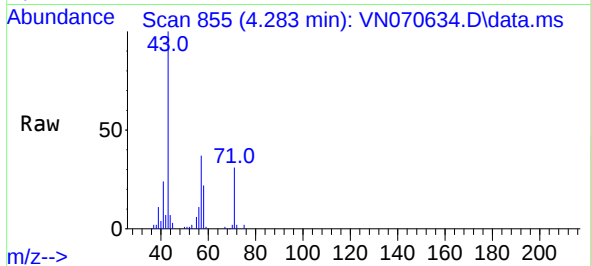
Tgt Ion: 59 Resp: 620563
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1





#16
Acetone
Concen: 9.510 ug/l m
RT: 4.283 min Scan# 856
Delta R.T. -0.002 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

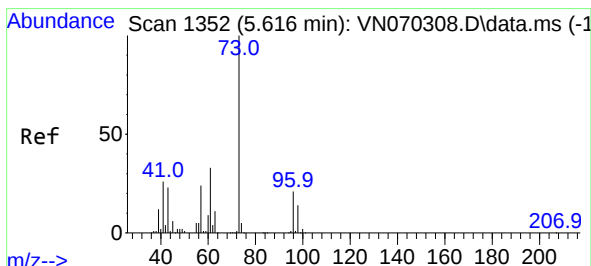
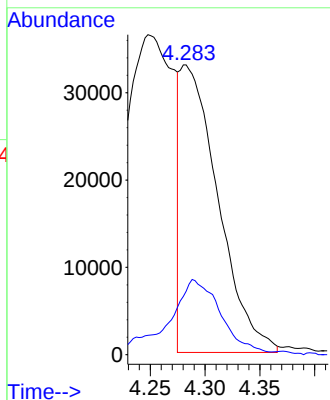
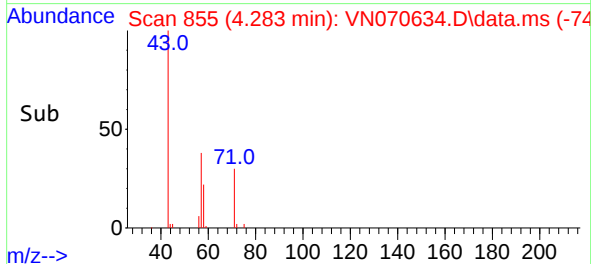
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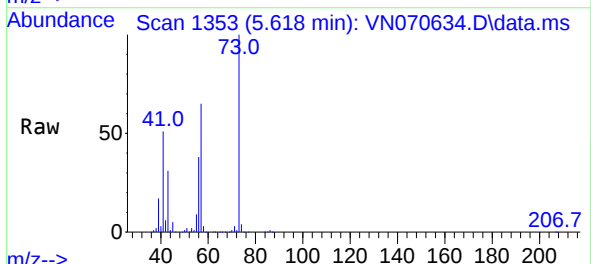
Tgt Ion: 43 Resp: 7959
Ion Ratio Lower Upper
43 100
58 21.9 23.1 34.7

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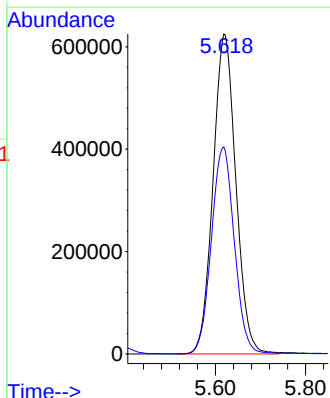
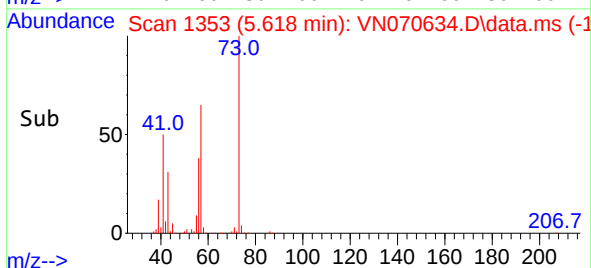
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

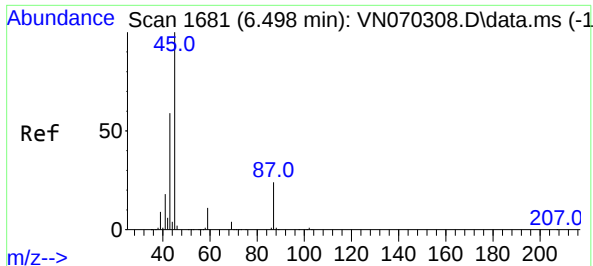


#19
Methyl tert-butyl Ether
Concen: 64.845 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.002 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



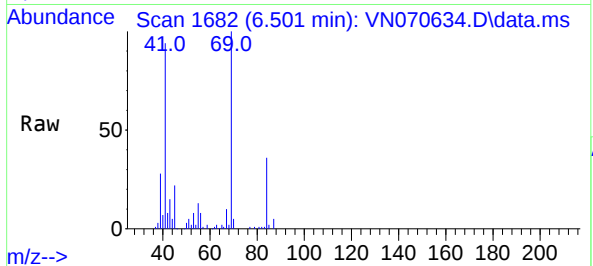
Tgt Ion: 73 Resp: 2199149
Ion Ratio Lower Upper
73 100
57 64.6 16.8 25.2





#22
Diisopropyl ether
Concen: 0.804 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

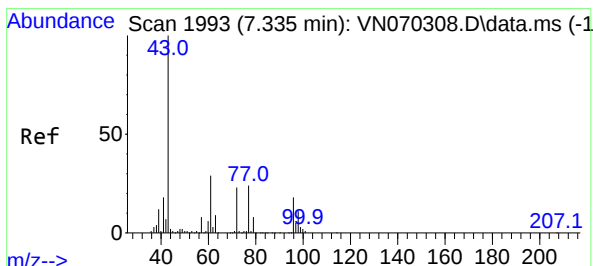
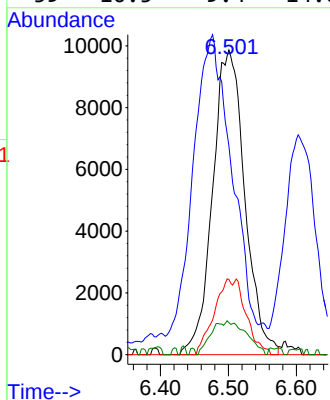
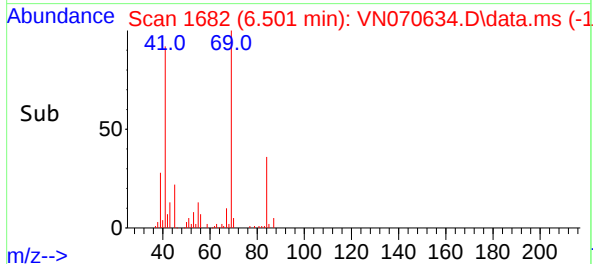
Instrument :
MSVOA_N
ClientSampleId :
MW-47



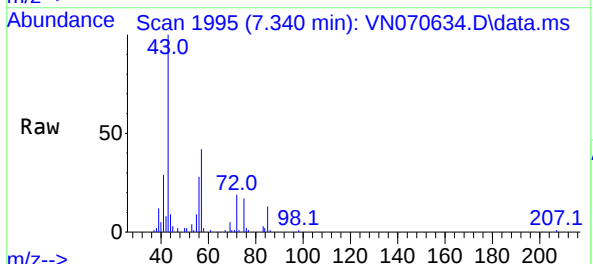
Tgt Ion: 45 Resp: 3244
Ion Ratio Lower Upper
45 100
43 51.8 51.7 77.5
87 24.7 23.2 34.8
59 10.5 9.4 14.0

Manual Integrations
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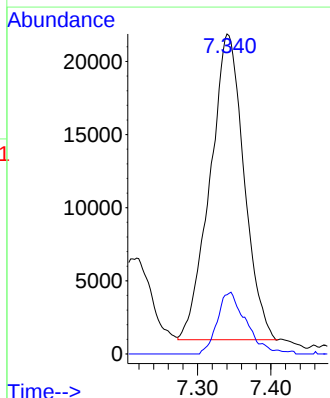
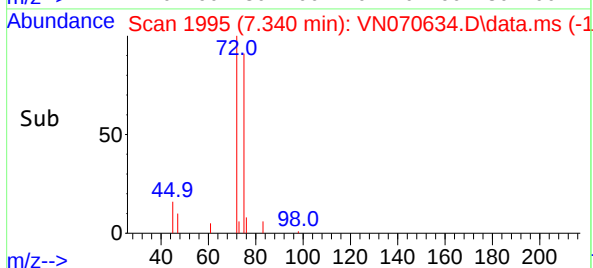
Reviewed By :John Carlone 01/17/2022
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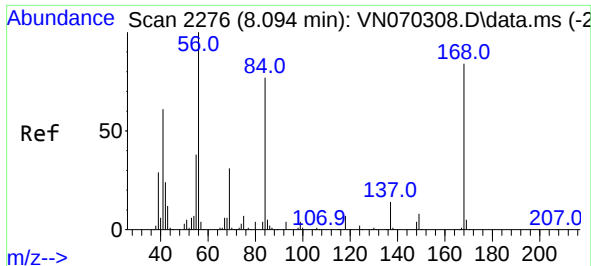


#25
2-Butanone
Concen: 6.388 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



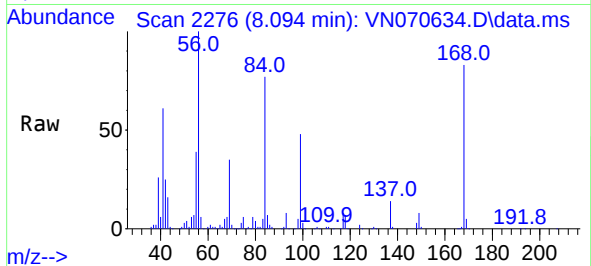
Tgt Ion: 43 Resp: 67311
Ion Ratio Lower Upper
43 100
72 19.4 21.7 32.5#





#31
Cyclohexane
Concen: 52.933 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

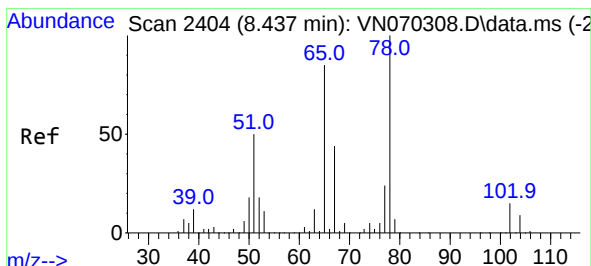
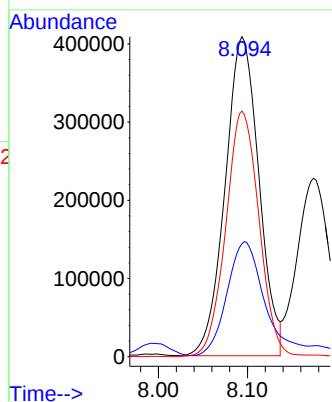
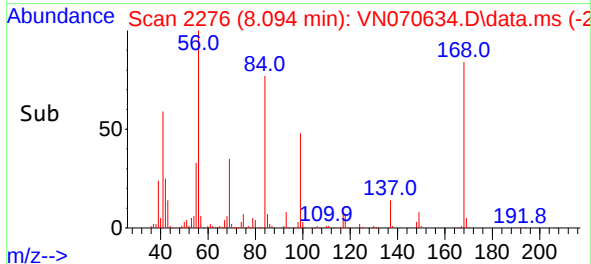
Instrument :
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Tgt Ion: 56 Resp: 107688
Ion Ratio Lower Upper
56 100
69 34.4 27.1 40.7
84 76.9 73.4 110.0

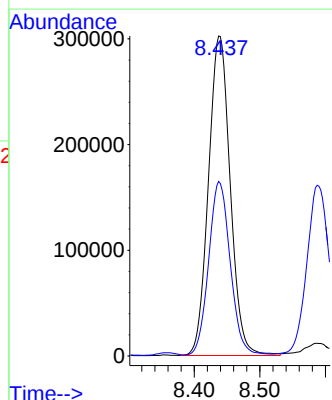
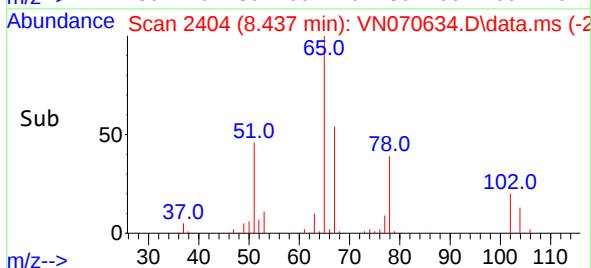
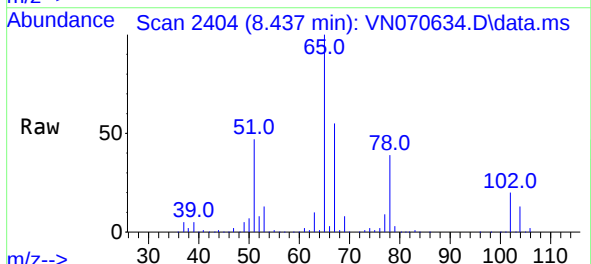
Manual Integrations
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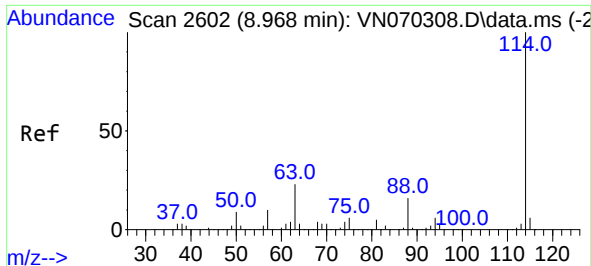
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#33
1,2-Dichloroethane-d4
Concen: 54.106 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

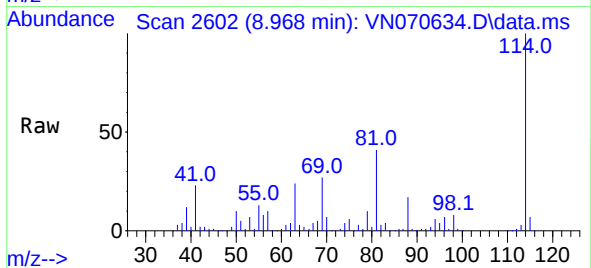
Tgt Ion: 65 Resp: 697549
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

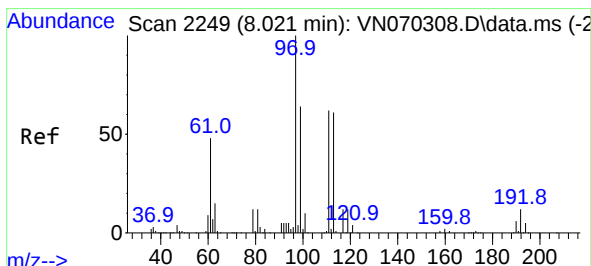
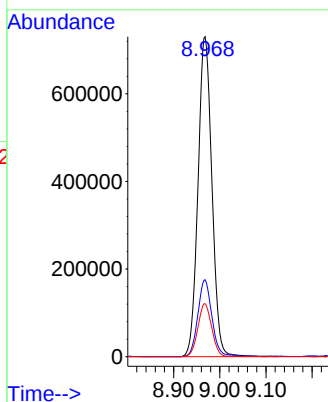
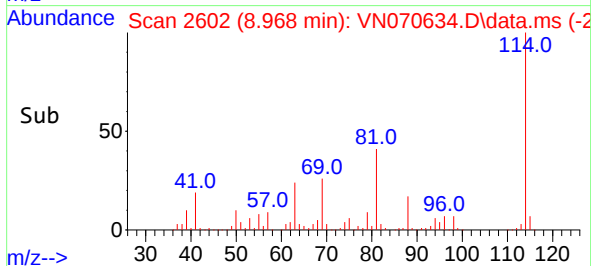
Instrument :
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Tgt Ion:114 Resp: 1528149
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.6 0.0 27.4

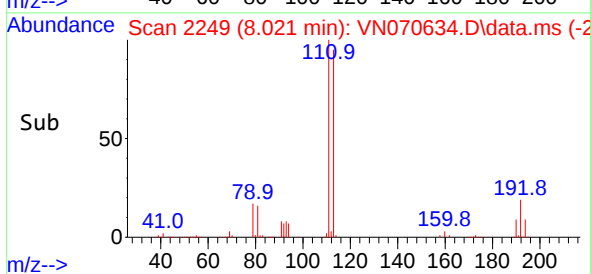
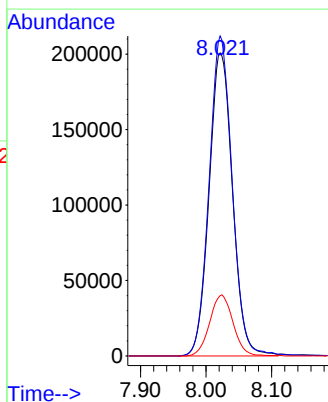
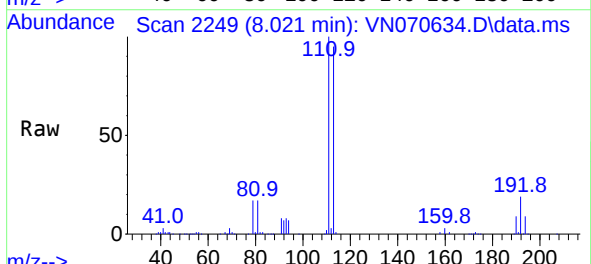
Manual Integrations
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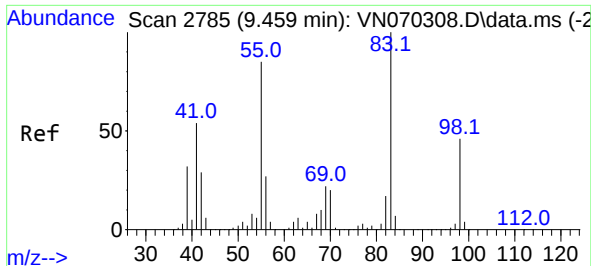
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#35
Dibromofluoromethane
Concen: 53.875 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

Tgt Ion:113 Resp: 498132
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 20.1 16.9 25.3





#39

Methylcyclohexane

Concen: 36.381 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070634.D

Acq: 14 Jan 2022 19:54

Instrument :

MSVOA_N

ClientSampleId :

MW-47

Tgt Ion: 83 Resp: 67368

Ion Ratio Lower Upper

83 100

55 87.5 58.1 87.1

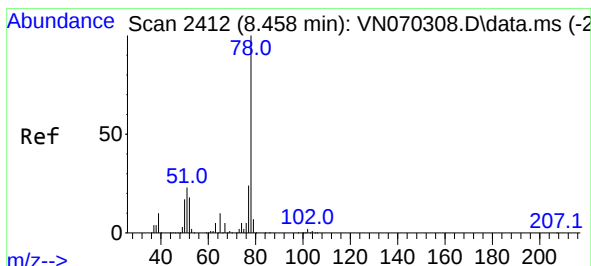
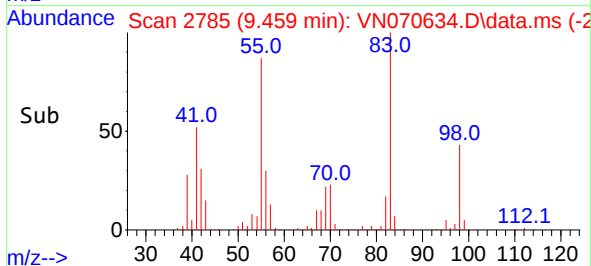
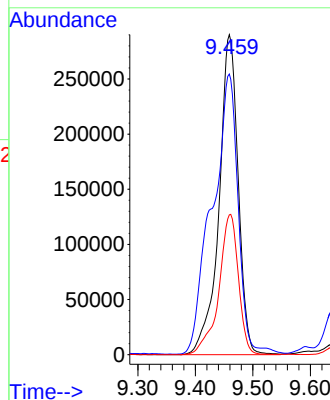
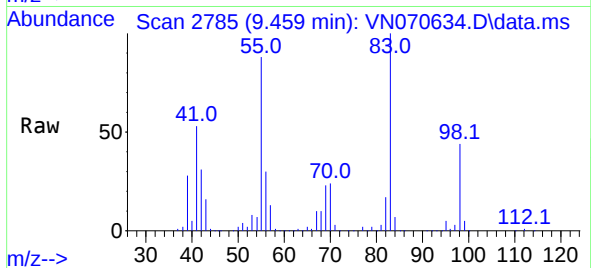
98 43.7 38.4 57.6

Manual Integrations

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Supervised By :Mahesh Dadoda 01/18/2022



#40

Benzene

Concen: 18.624 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.003 min

Lab File: VN070634.D

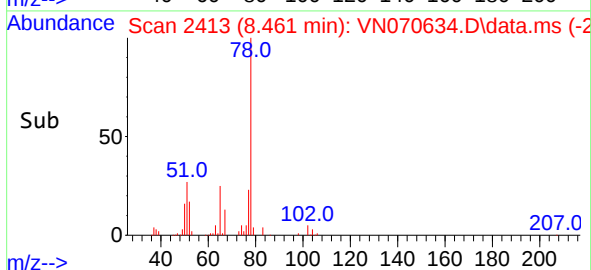
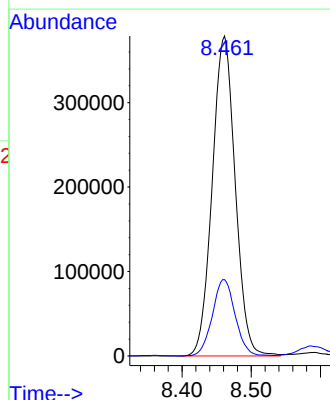
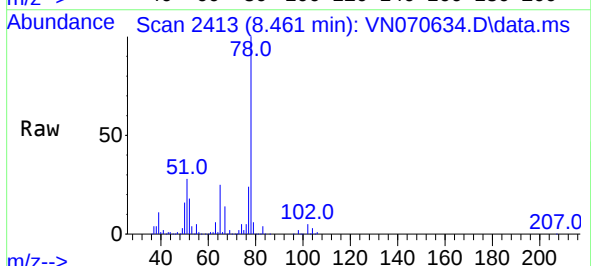
Acq: 14 Jan 2022 19:54

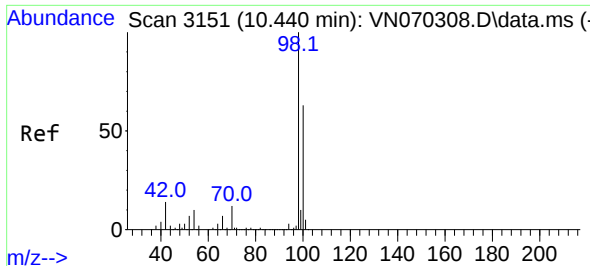
Tgt Ion: 78 Resp: 873321

Ion Ratio Lower Upper

78 100

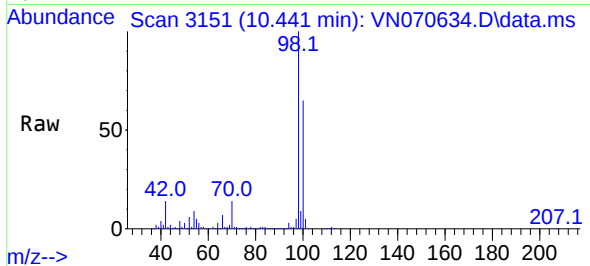
77 23.8 18.6 27.8





#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

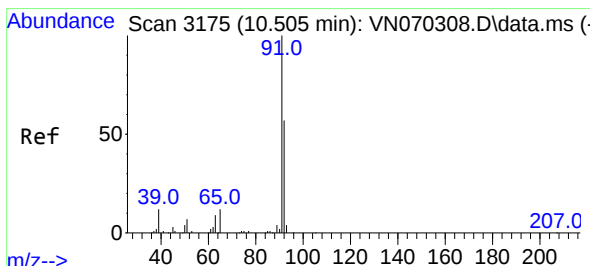
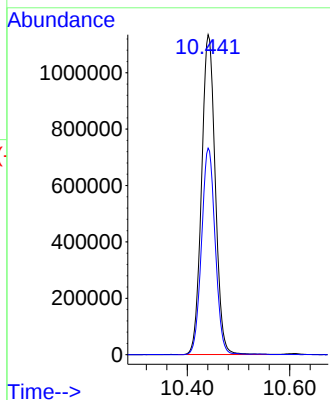
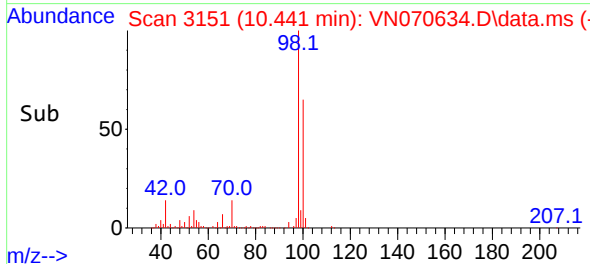
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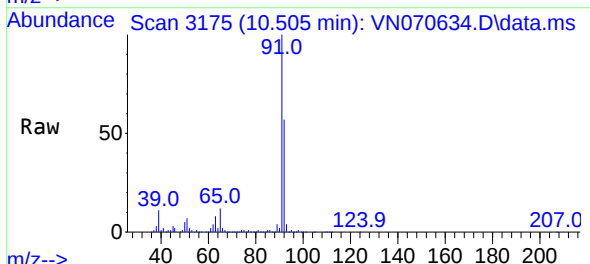
Tgt Ion: 98 Resp: 210361
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

Manual Integrations
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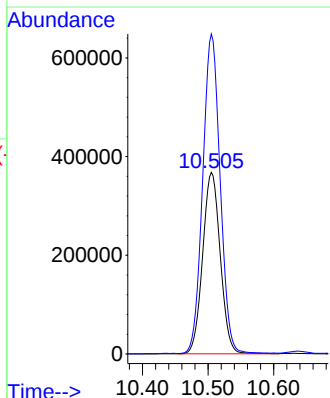
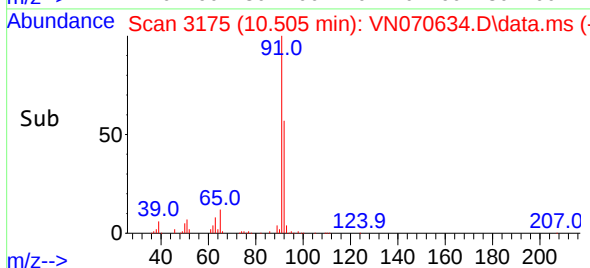
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

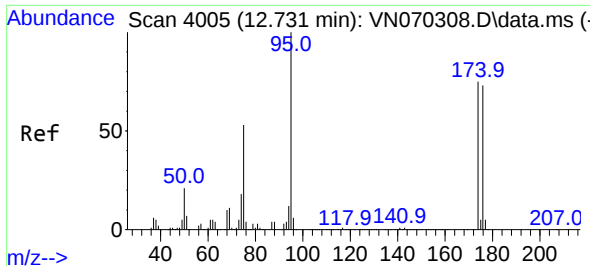


#52
Toluene
Concen: 24.120 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



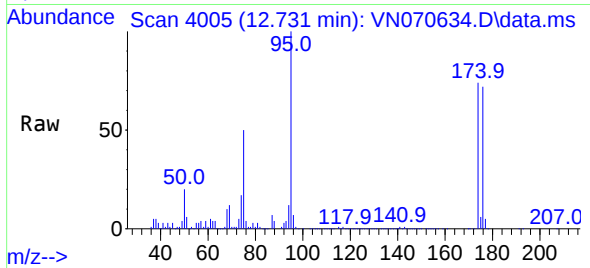
Tgt Ion: 92 Resp: 684615
Ion Ratio Lower Upper
92 100
91 174.2 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 65.972 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

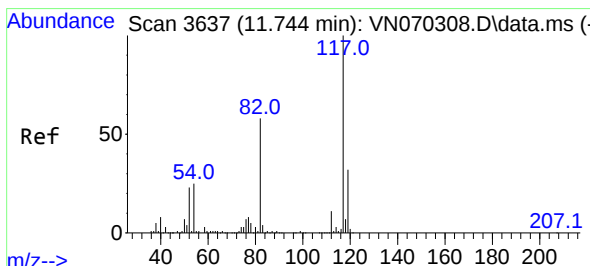
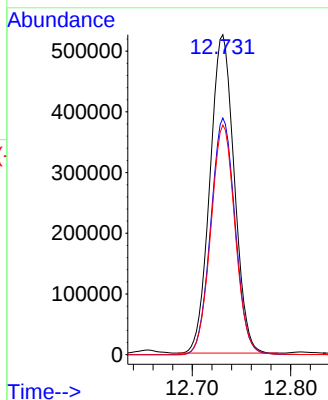
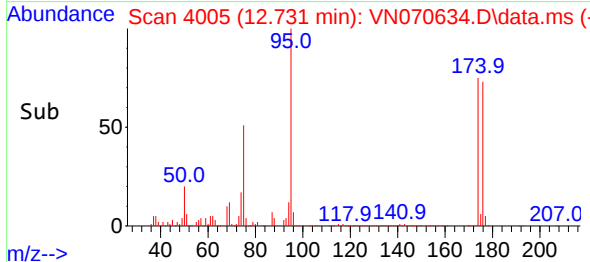
Instrument :
MSVOA_N
ClientSampleId :
MW-47



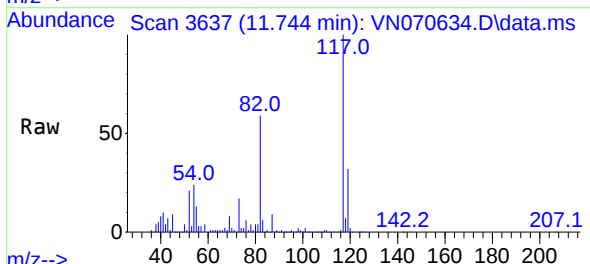
Tgt Ion: 95 Resp: 900000
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 72.1 0.0 181.4

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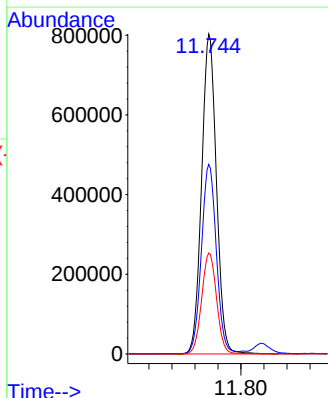
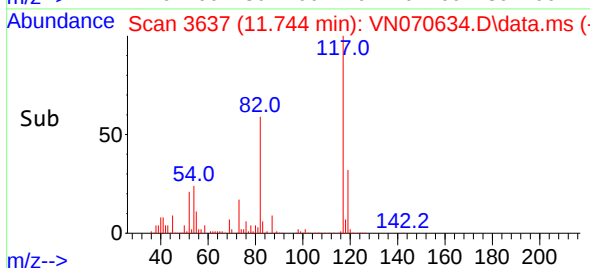
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

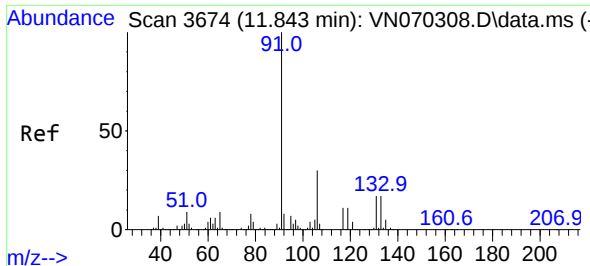


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



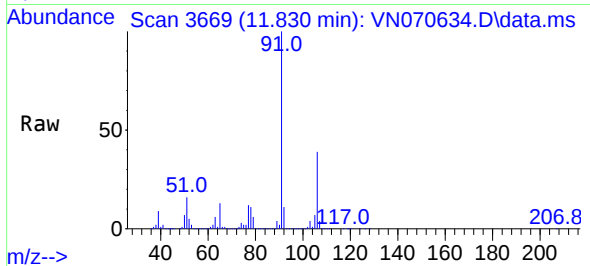
Tgt Ion:117 Resp: 1435562
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.6 25.4 38.2





#67
Ethyl Benzene
Concen: 423.591 ug/l m
RT: 11.830 min Scan# 3669
Delta R.T. -0.013 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

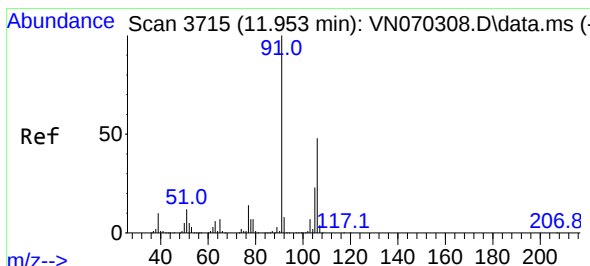
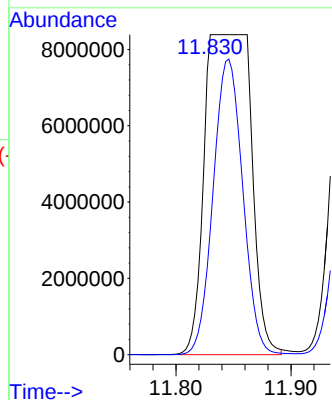
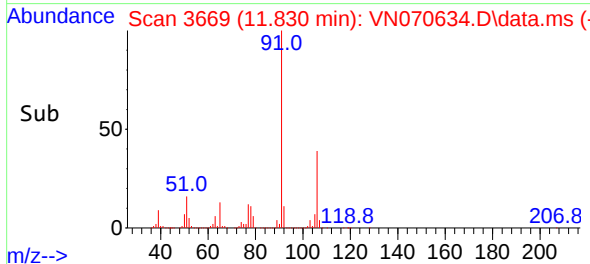
Instrument :
MSVOA_N
ClientSampleId :
MW-47



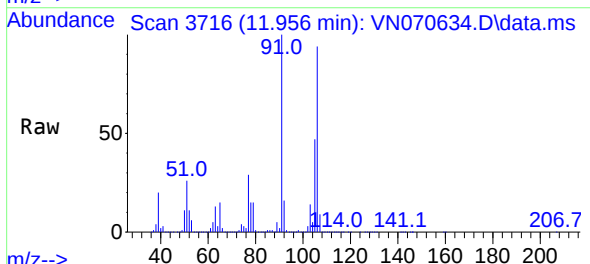
Tgt Ion: 91 Resp:2364010
Ion Ratio Lower Upper
91 100
106 39.0 25.7 38.5

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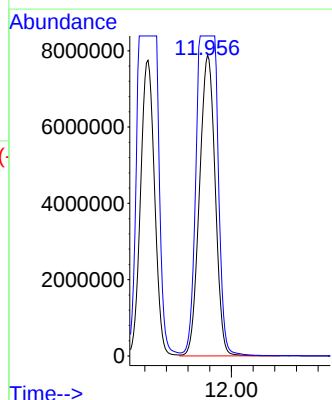
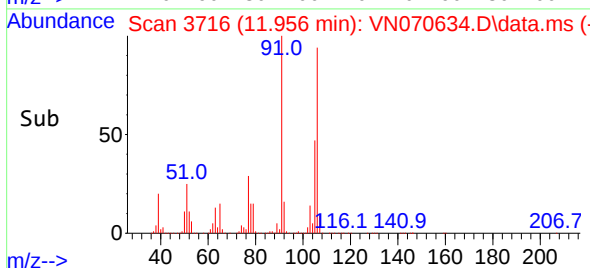
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

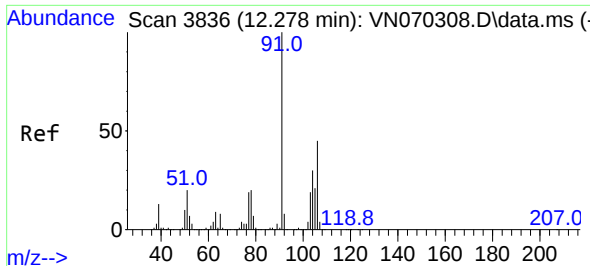


#68
m/p-Xylenes
Concen: 779.240 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



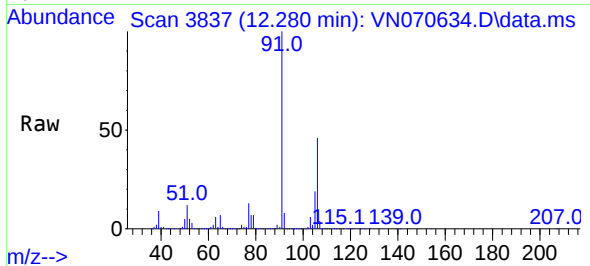
Tgt Ion:106 Resp:15830042
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#





#69
o-Xylene
Concen: 195.167 ug/l
RT: 12.280 min Scan# 3836
Delta R.T. 0.002 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

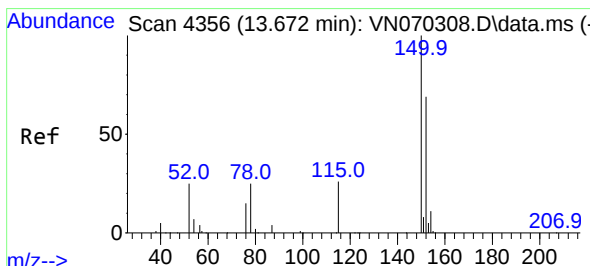
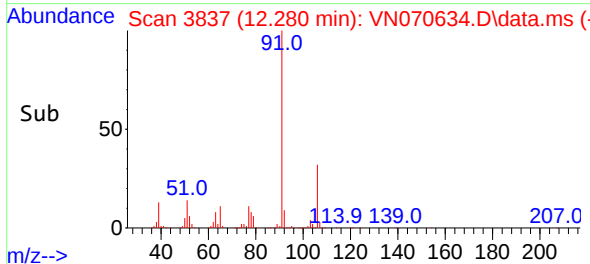
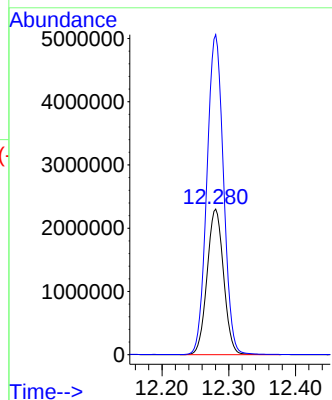
Instrument :
MSVOA_N
ClientSampleId :
MW-47



Tgt Ion:106 Resp: 3943584
Ion Ratio Lower Upper
106 100
91 221.6 105.8 317.3

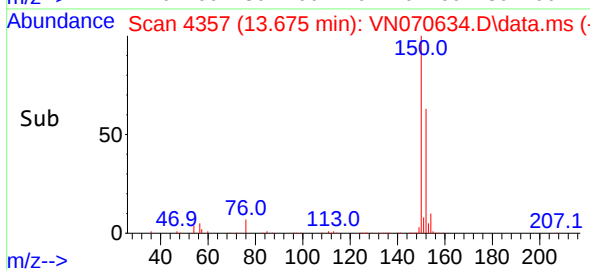
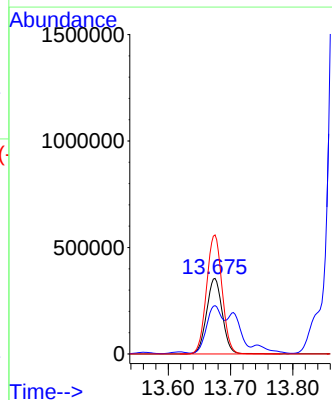
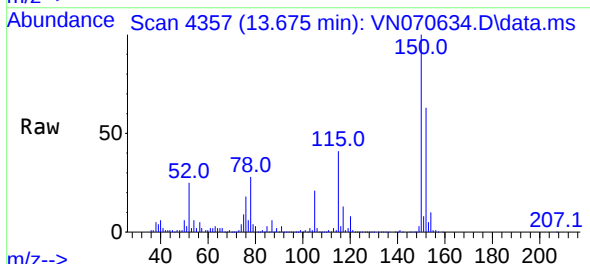
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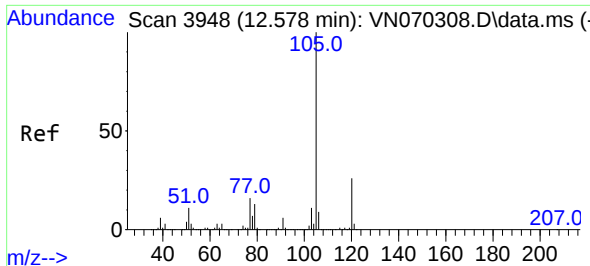
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

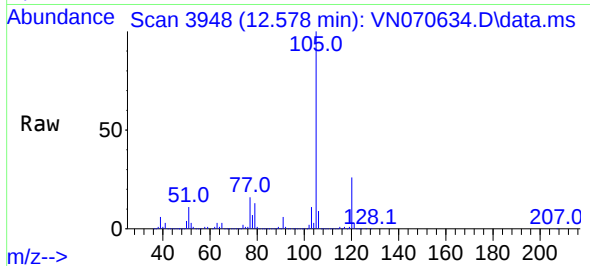
Tgt Ion:152 Resp: 622642
Ion Ratio Lower Upper
152 100
115 63.7 27.5 82.5
150 155.9 0.0 344.4





#73
Isopropylbenzene
Concen: 68.820 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

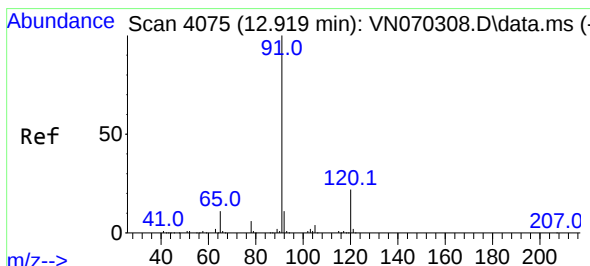
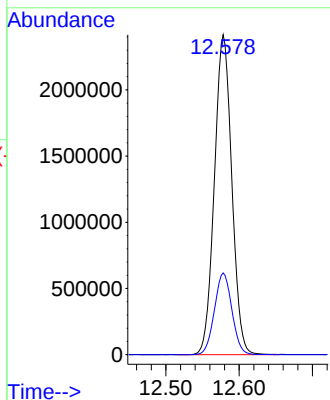
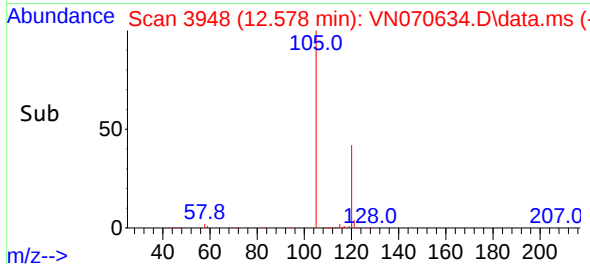
Instrument :
MSVOA_N
ClientSampleId :
MW-47



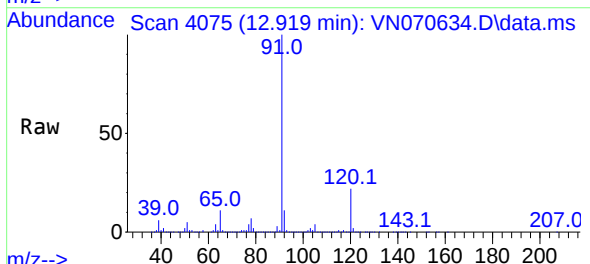
Tgt Ion:105 Resp: 3979260
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1

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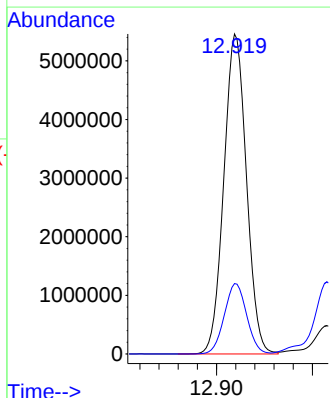
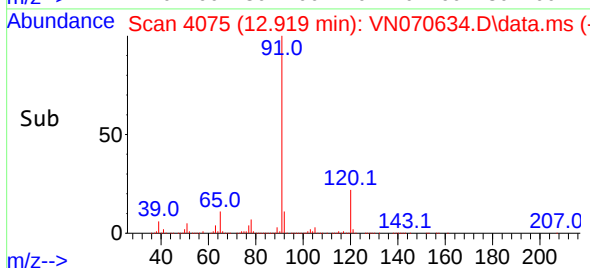
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

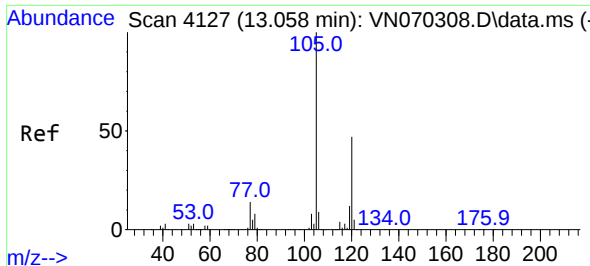


#78
n-propylbenzene
Concen: 139.490 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



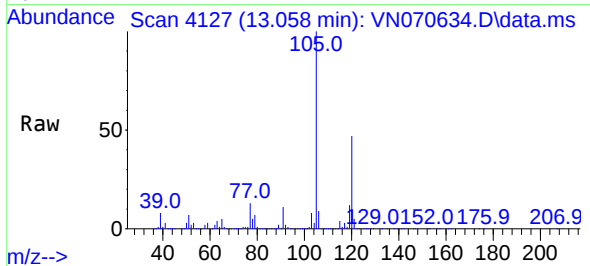
Tgt Ion: 91 Resp: 8936446
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 75.481 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

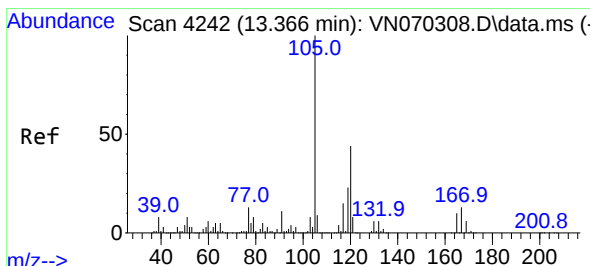
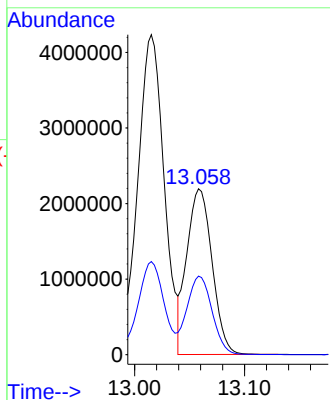
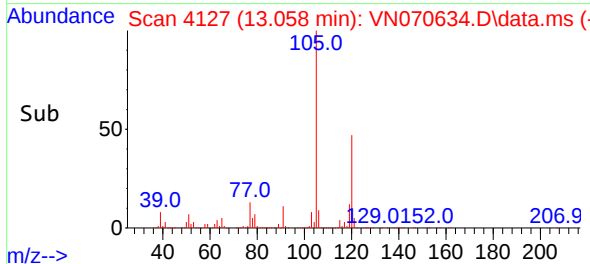
Instrument :
MSVOA_N
ClientSampleId :
MW-47



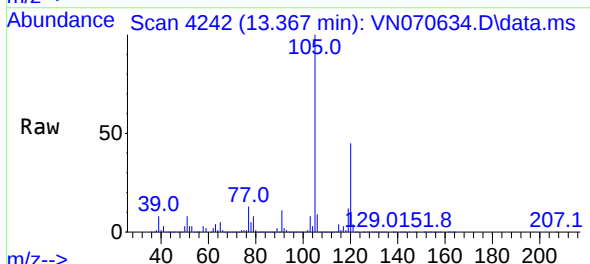
Tgt Ion:105 Resp: 349743
Ion Ratio Lower Upper
105 100
120 48.1 24.6 73.6

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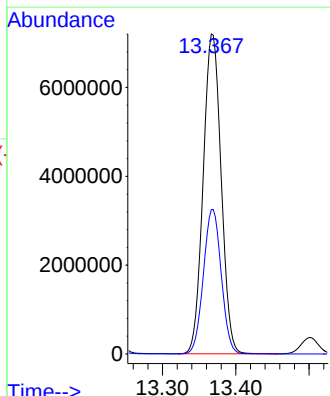
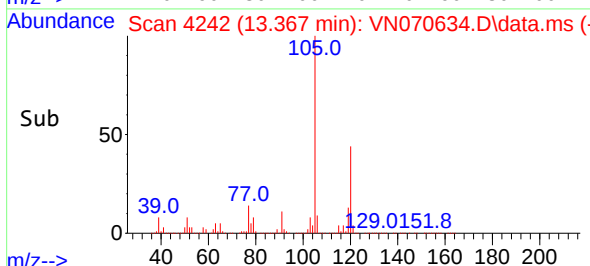
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

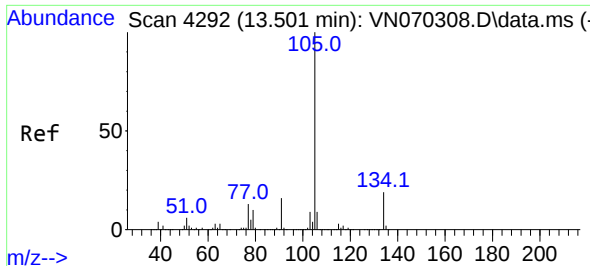


#84
1,2,4-Trimethylbenzene
Concen: 274.992 ug/l
RT: 13.367 min Scan# 4242
Delta R.T. 0.001 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54



Tgt Ion:105 Resp:12269492
Ion Ratio Lower Upper
105 100
120 44.8 22.8 68.4





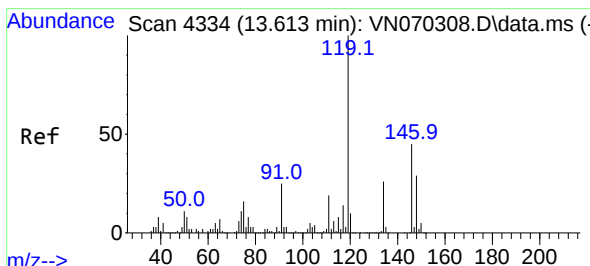
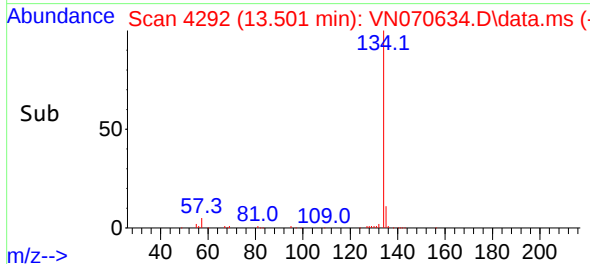
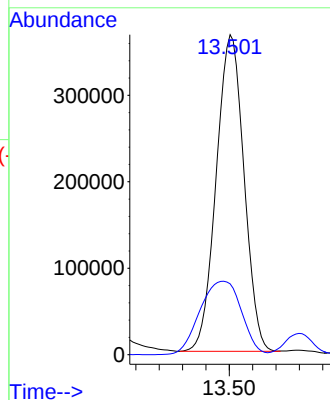
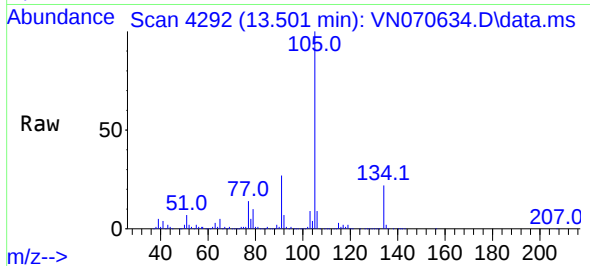
#85
 sec-Butylbenzene
 Concen: 10.909 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.000 min
 Lab File: VN070634.D
 Acq: 14 Jan 2022 19:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-47

Tgt Ion:105 Resp: 604264
 Ion Ratio Lower Upper
 105 100
 134 34.7 10.4 31.1

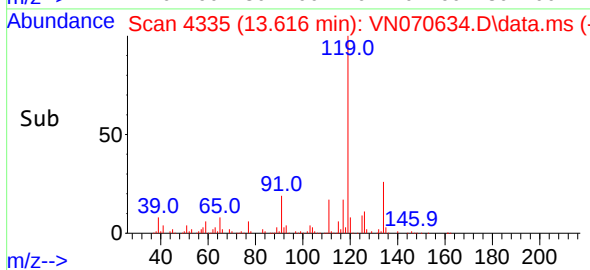
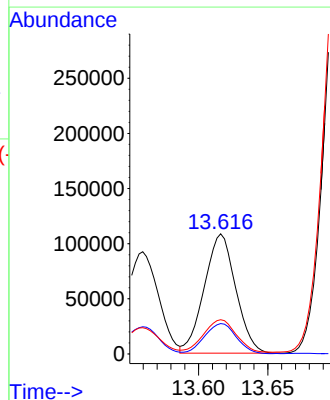
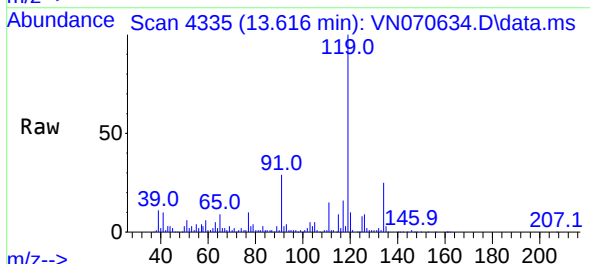
Manual Integrations
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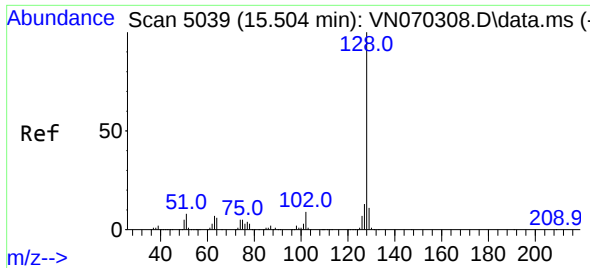
Reviewed By :John Carlone 01/17/2022
 Supervised By :Mahesh Dadoda 01/18/2022



#86
 p-Isopropyltoluene
 Concen: 3.933 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.003 min
 Lab File: VN070634.D
 Acq: 14 Jan 2022 19:54

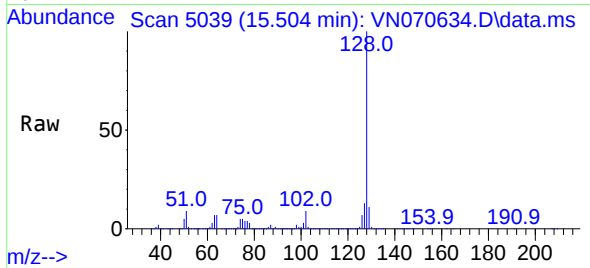
Tgt Ion:119 Resp: 171121
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.6 40.7
 91 0.0 11.4 34.1





#95
Naphthalene
Concen: 485.611 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070634.D
Acq: 14 Jan 2022 19:54

Instrument :
MSVOA_N
ClientSampleId :
MW-47



Tgt Ion:128 Resp:1423710
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.1 8.7 13.1

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