

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070437.D
 Acq On : 3 Jan 2022 15:10
 Operator : JC/MD
 Sample : M5251-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2022
 Supervised By : Mahesh Dadoda 01/04/2022

Quant Time: Jan 04 01:33:20 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	1012006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1715964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1604011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	765076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	721628	49.594	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.180%		
35) Dibromofluoromethane	8.021	113	509168	49.041	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.080%		
50) Toluene-d8	10.440	98	2124906	50.100	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.200%		
62) 4-Bromofluorobenzene	12.728	95	912412	59.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	119.120%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.371	59	55586	22.943	ug/l #	71
16) Acetone	4.288	43	238143	25.212	ug/l	95
17) Carbon Disulfide	4.535	76	100904	3.587	ug/l	100
25) 2-Butanone	7.337	43	195307	16.422	ug/l	91
29) Tetrahydrofuran	7.691	42	13315	1.876	ug/l	90
31) Cyclohexane	8.094	56	808434	35.208	ug/l	88
39) Methylcyclohexane	9.459	83	419904	20.194	ug/l #	88
40) Benzene	8.458	78	308062	5.850	ug/l	100
51) 4-Methyl-2-Pentanone	10.330	43	105074	4.764	ug/l	100
52) Toluene	10.502	92	140895	4.421	ug/l	98
59) 2-Hexanone	11.084	43	264462	16.443	ug/l	80
67) Ethyl Benzene	11.830	91	23272258m	373.208	ug/l	
68) m/p-Xylenes	11.934	106	29238276m	1288.118	ug/l	
69) o-Xylene	12.277	106	3252115	144.044	ug/l	93
73) Isopropylbenzene	12.575	105	2831852	39.858	ug/l	98
78) n-propylbenzene	12.918	91	7569515	96.157	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	12657523	222.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.350	105	24805360m	452.452	ug/l	
85) sec-Butylbenzene	13.498	105	276024	4.055	ug/l #	73
86) p-Isopropyltoluene	13.613	119	165896m	3.103	ug/l	
89) n-Butylbenzene	13.938	91	274631m	6.158	ug/l	

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

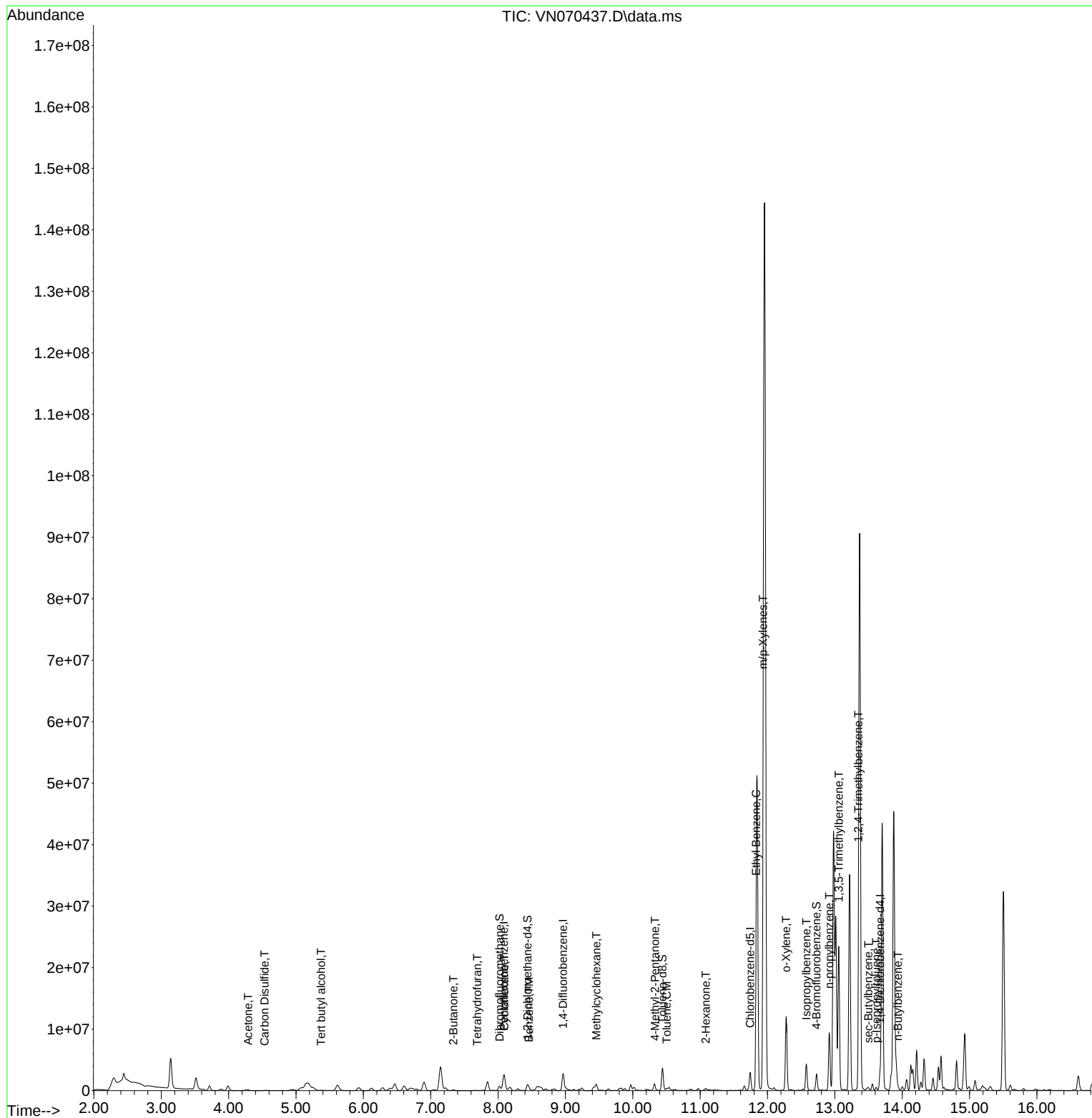
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
Data File : VN070437.D
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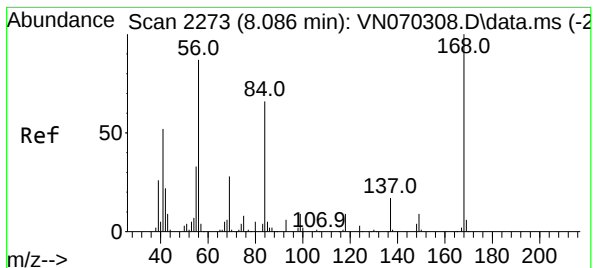
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

Quant Time: Jan 04 01:33:20 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

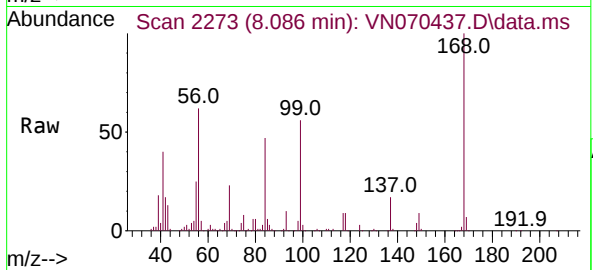
Reviewed By : John Carlone 01/04/2022
Supervised By : Mahesh Dadoda 01/04/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

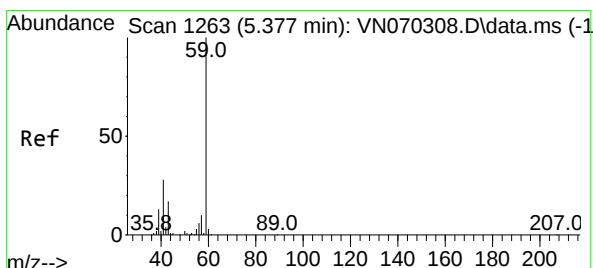
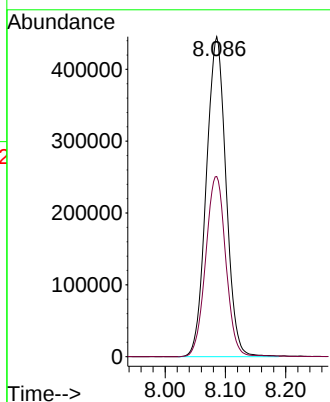
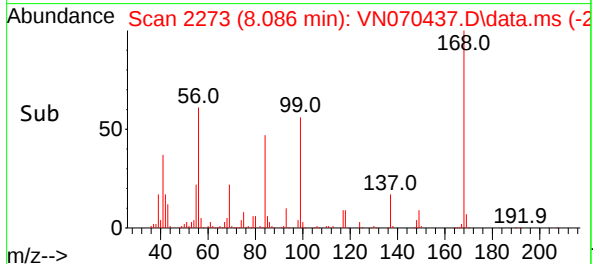
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



Tgt Ion:168 Resp: 1012000
Ion Ratio Lower Upper
168 100
99 56.3 41.3 61.9

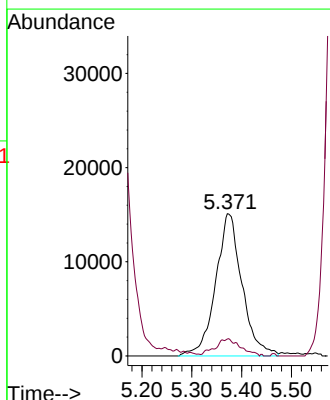
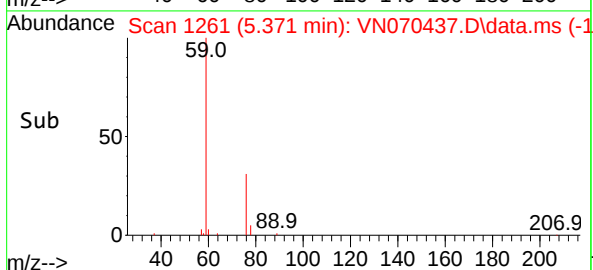
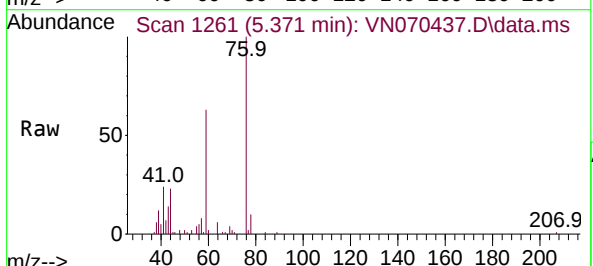
Manual Integrations
APPROVED

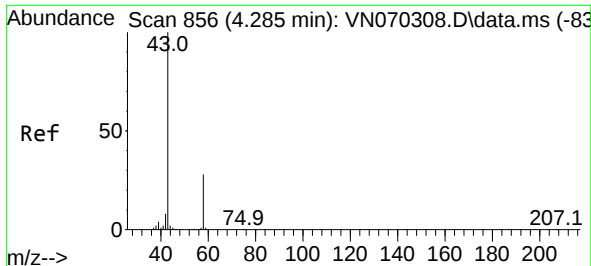
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#11
Tert butyl alcohol
Concen: 22.943 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

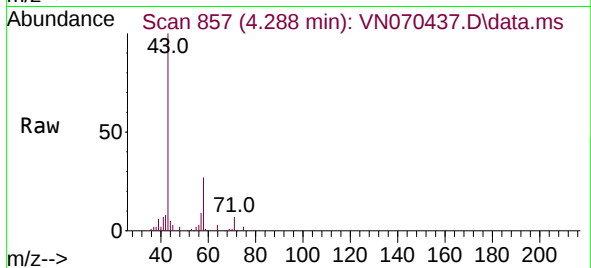
Tgt Ion: 59 Resp: 55586
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#16
Acetone
Concen: 25.212 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

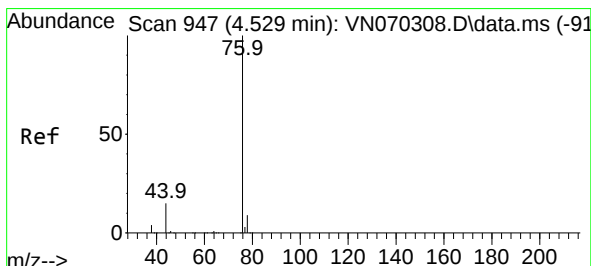
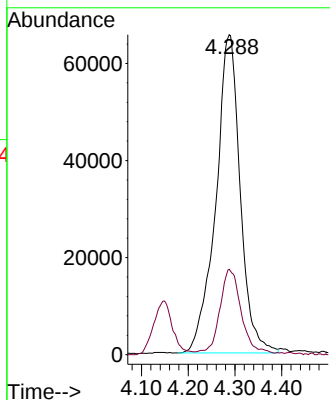
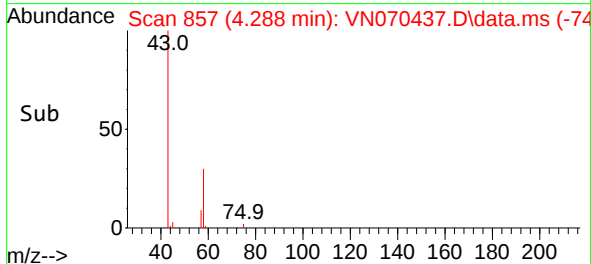
Instrument :
MSVOA_N
Client SampleId :
MW-1R



Tgt Ion: 43 Resp: 23814
Ion Ratio Lower Upper
43 100
58 26.2 23.1 34.7

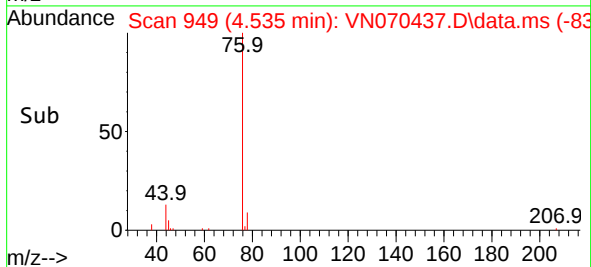
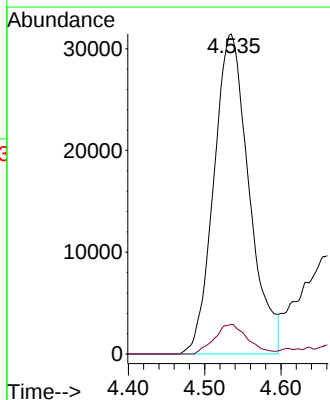
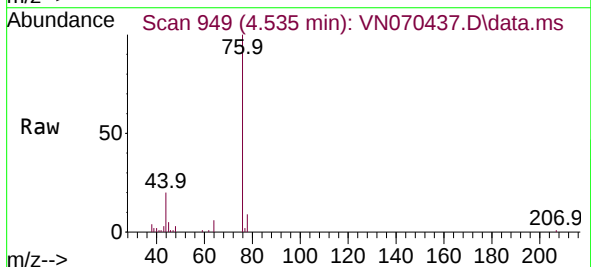
Manual Integrations
APPROVED

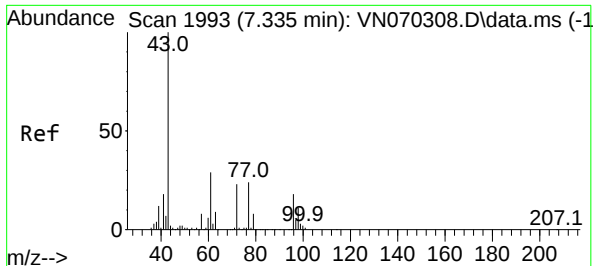
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#17
Carbon Disulfide
Concen: 3.587 ug/l
RT: 4.535 min Scan# 949
Delta R.T. 0.006 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

Tgt Ion: 76 Resp: 100904
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3





#25

2-Butanone

Concen: 16.422 ug/l

RT: 7.337 min Scan# 1993

Delta R.T. 0.002 min

Lab File: VN070437.D

Acq: 3 Jan 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

Tgt Ion: 43 Resp: 19530

Ion Ratio Lower Upper

43 100

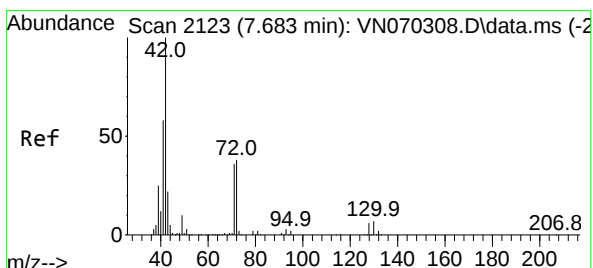
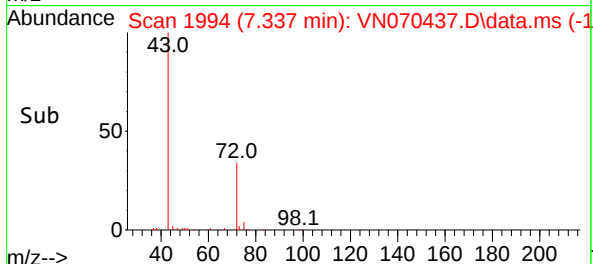
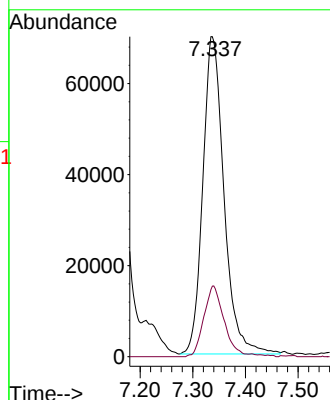
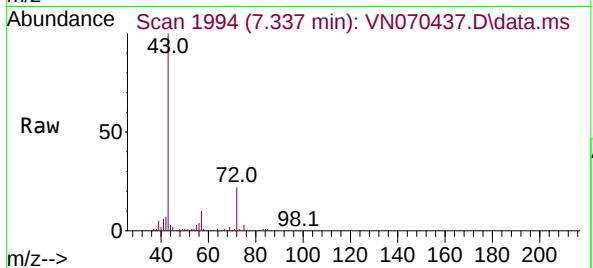
72 22.2 21.7 32.5

Manual Integrations

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Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#29

Tetrahydrofuran

Concen: 1.876 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070437.D

Acq: 3 Jan 2022 15:10

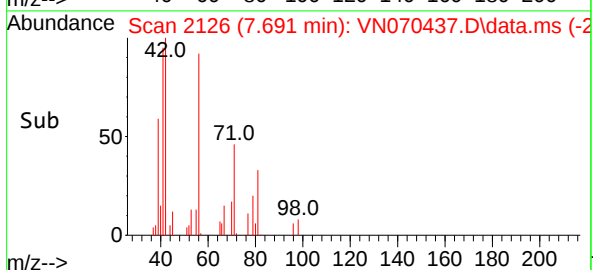
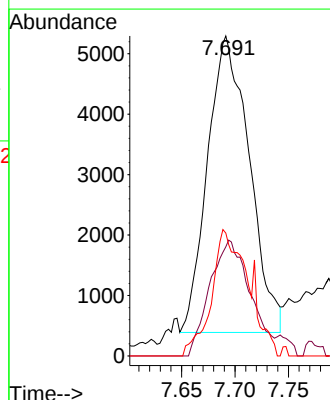
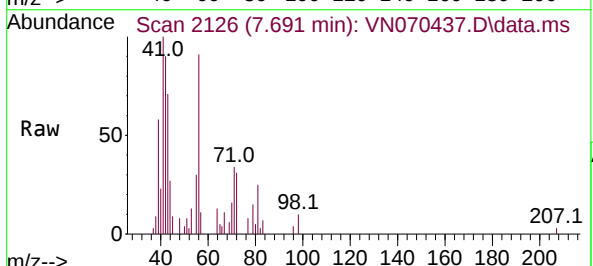
Tgt Ion: 42 Resp: 13315

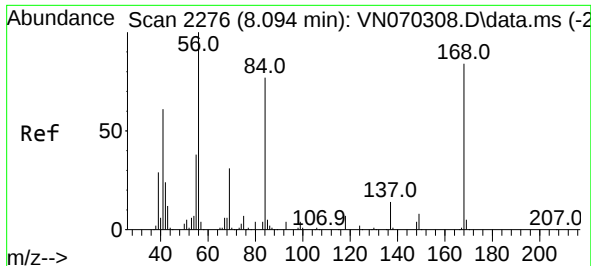
Ion Ratio Lower Upper

42 100

72 37.8 36.3 54.5

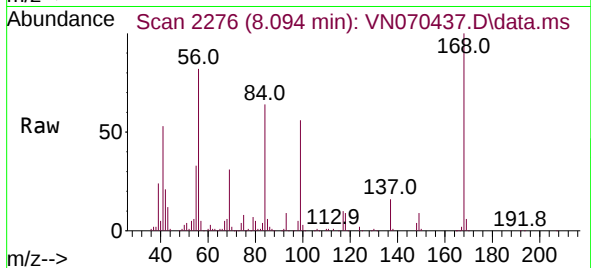
71 37.8 34.7 52.1





#31
Cyclohexane
Concen: 35.208 ug/l
RT: 8.094 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

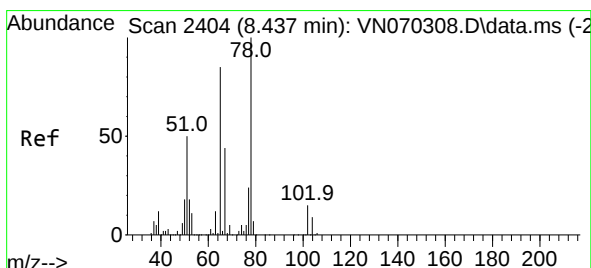
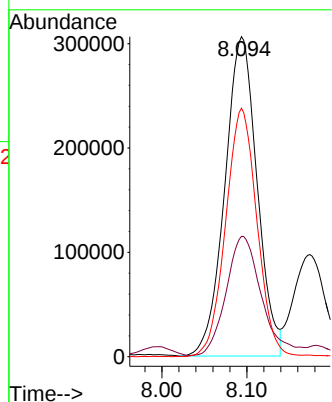
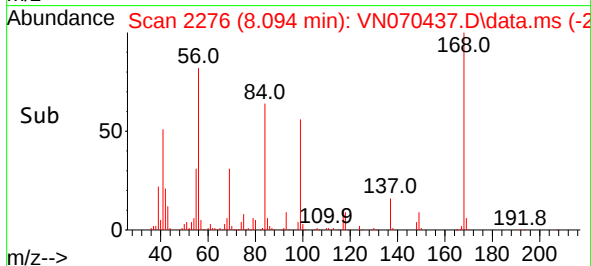
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



Tgt Ion: 56 Resp: 808434
Ion Ratio Lower Upper
56 100
69 36.7 27.1 40.7
84 77.7 73.4 110.0

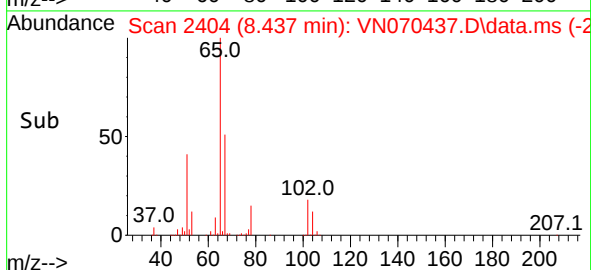
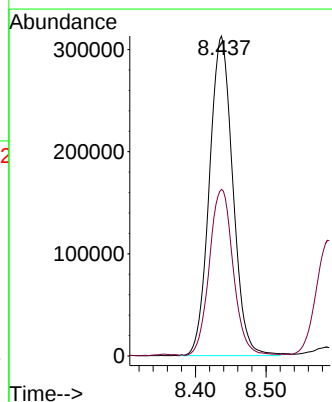
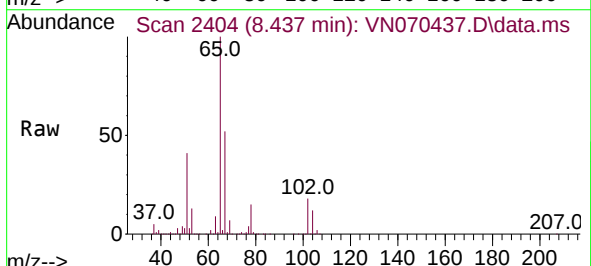
Manual Integrations
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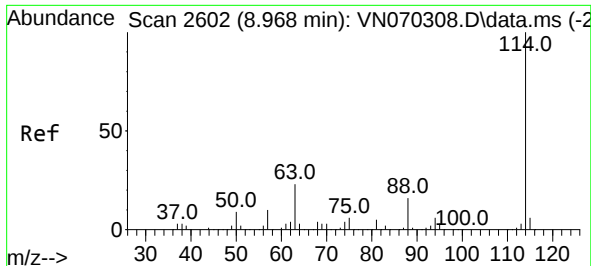
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#33
1,2-Dichloroethane-d4
Concen: 49.594 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

Tgt Ion: 65 Resp: 721628
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070437.D

Acq: 3 Jan 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

Tgt Ion:114 Resp: 171596

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

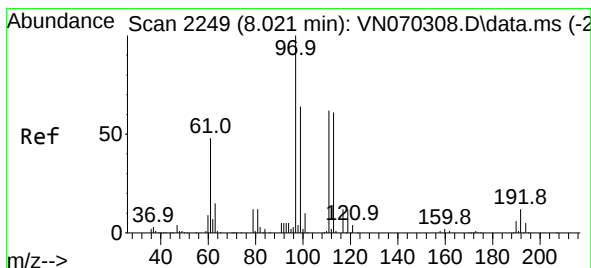
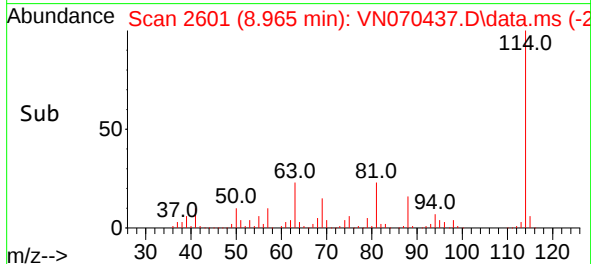
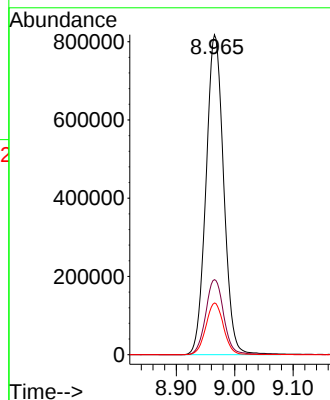
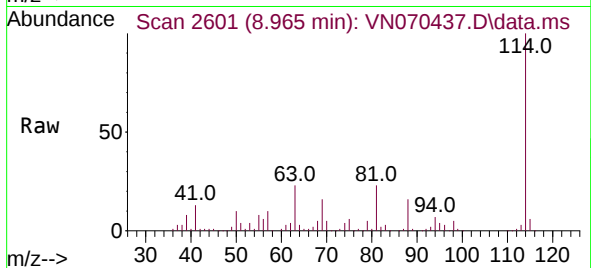
88 16.2 0.0 27.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/04/2022



#35

Dibromofluoromethane

Concen: 49.041 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070437.D

Acq: 3 Jan 2022 15:10

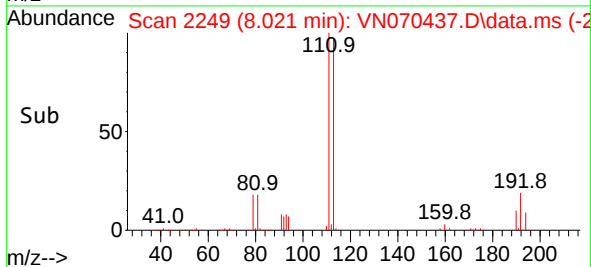
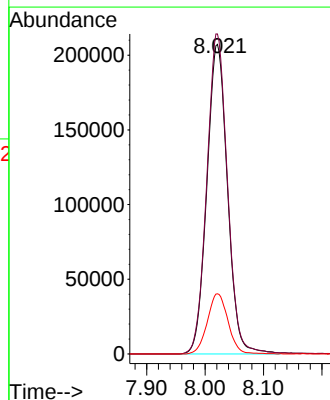
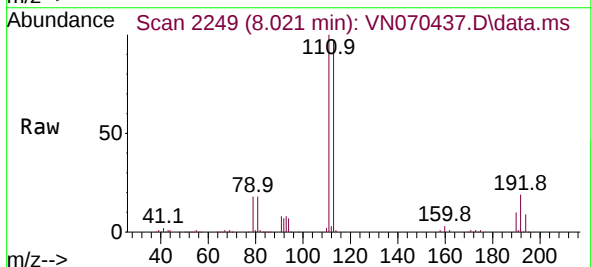
Tgt Ion:113 Resp: 509168

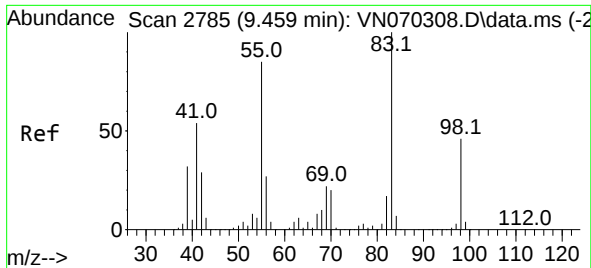
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

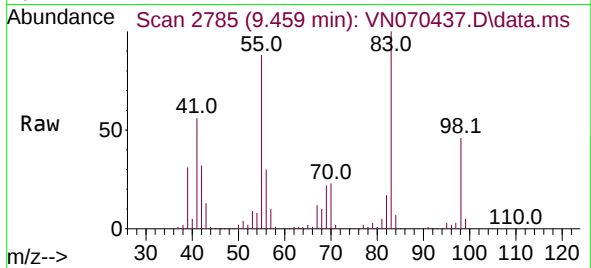
192 19.5 16.9 25.3





#39
Methylcyclohexane
Concen: 20.194 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

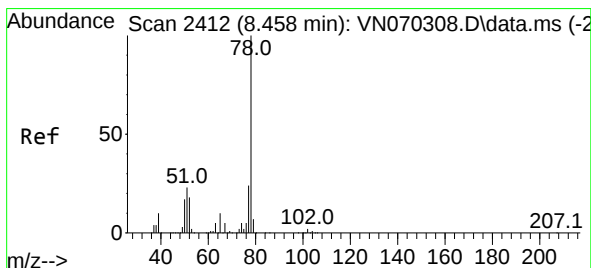
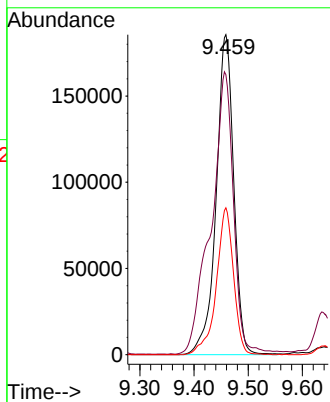
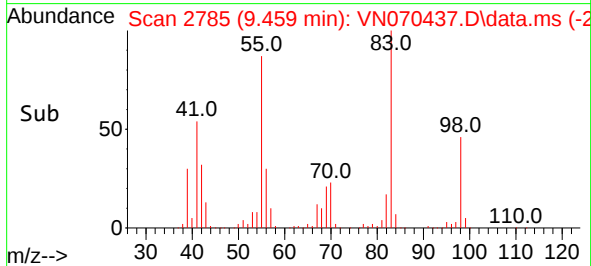
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



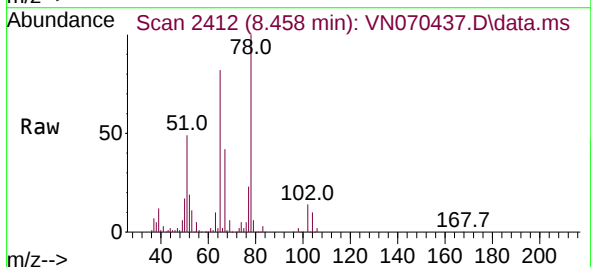
Tgt Ion: 83 Resp: 419904
Ion Ratio Lower Upper
83 100
55 87.2 58.1 87.1
98 45.9 38.4 57.6

Manual Integrations
APPROVED

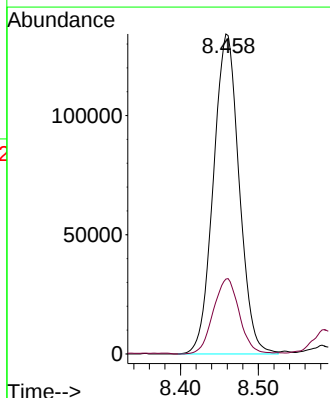
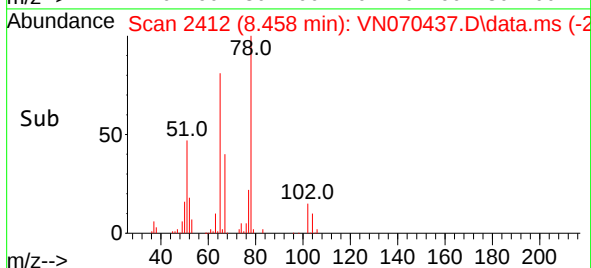
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

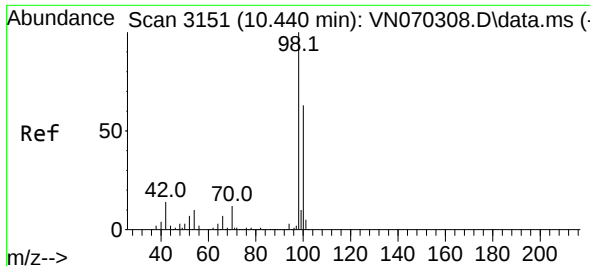


#40
Benzene
Concen: 5.850 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10



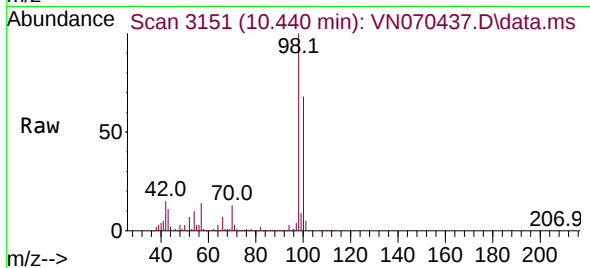
Tgt Ion: 78 Resp: 308062
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8





#50
Toluene-d8
Concen: 50.100 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

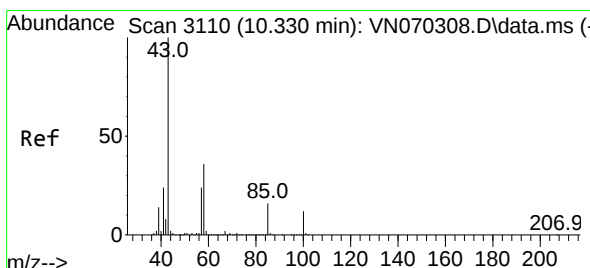
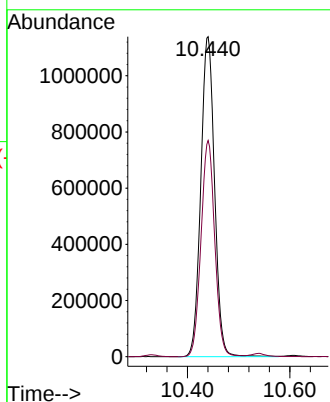
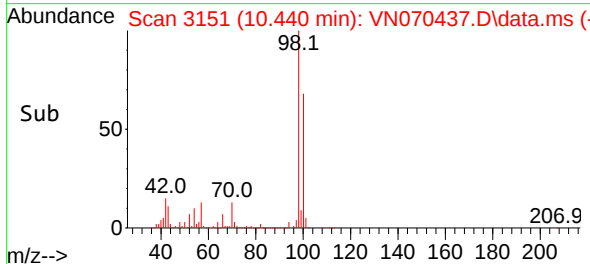
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ClientSampleId :
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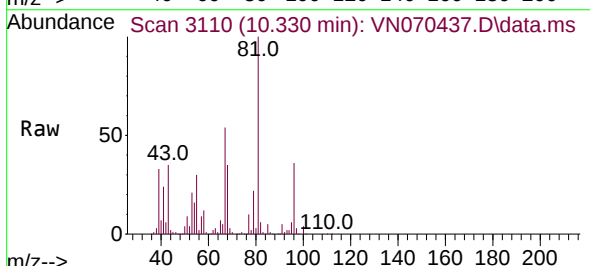
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Ion Ratio Lower Upper
98 100
100 67.6 50.4 75.6

Manual Integrations
APPROVED

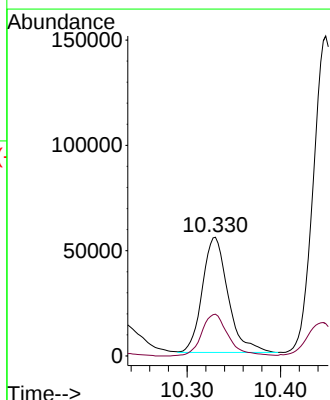
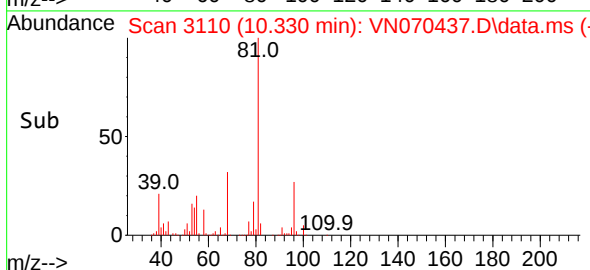
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

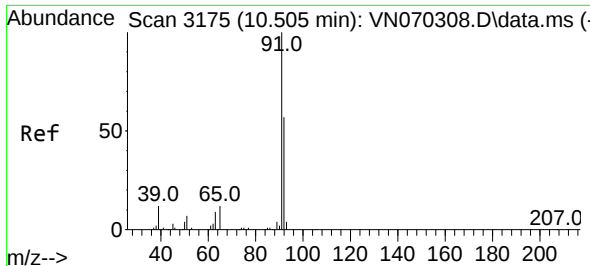


#51
4-Methyl-2-Pentanone
Concen: 4.764 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10



Tgt Ion: 43 Resp: 105074
Ion Ratio Lower Upper
43 100
58 37.7 30.4 45.6





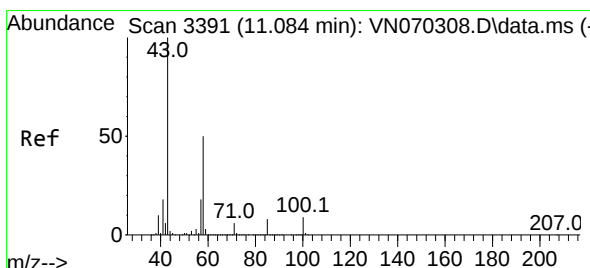
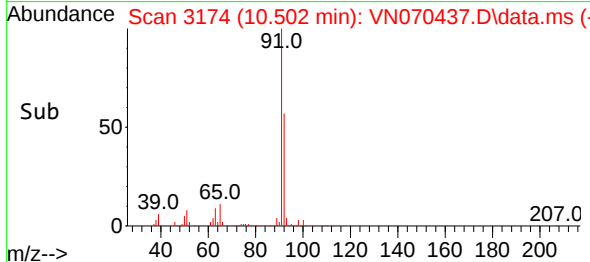
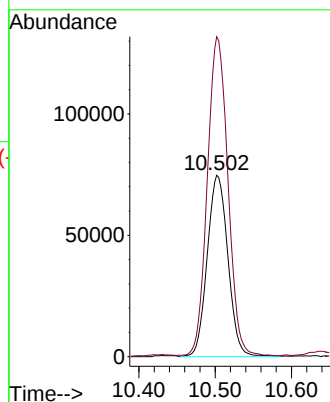
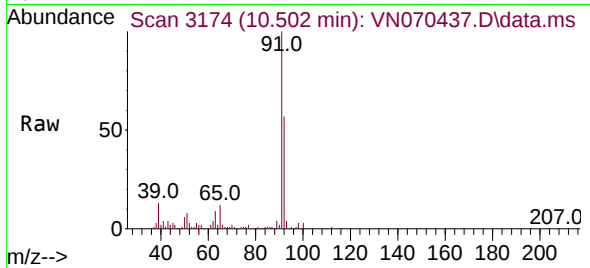
#52
Toluene
Concen: 4.421 ug/l
RT: 10.502 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
MW-1R

Tgt Ion: 92 Resp: 14089
Ion Ratio Lower Upper
92 100
91 174.6 142.0 213.0

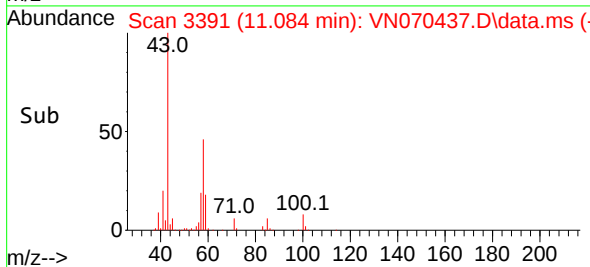
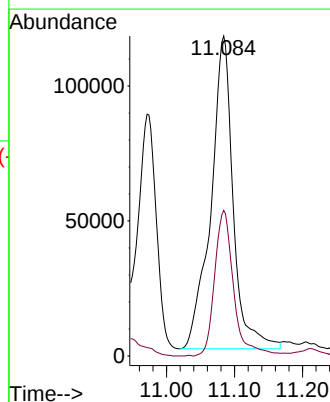
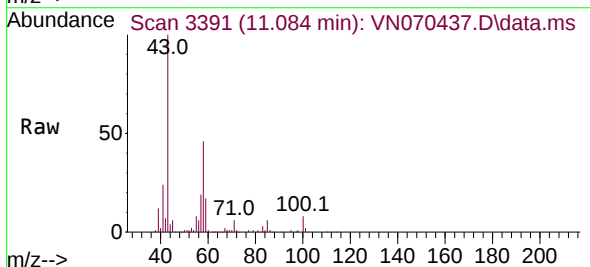
Manual Integrations
APPROVED

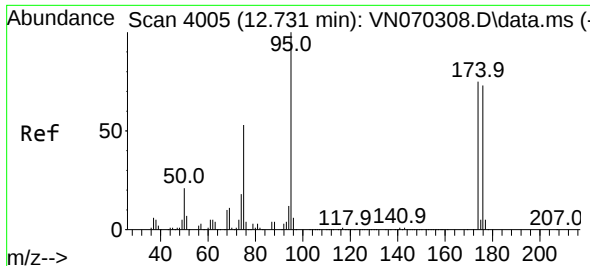
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#59
2-Hexanone
Concen: 16.443 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

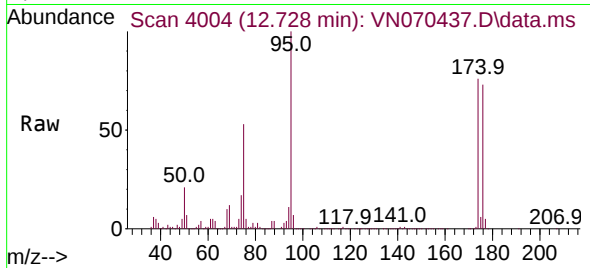
Tgt Ion: 43 Resp: 264462
Ion Ratio Lower Upper
43 100
58 39.7 26.9 80.7





#62
4-Bromofluorobenzene
Concen: 59.562 ug/l
RT: 12.728 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

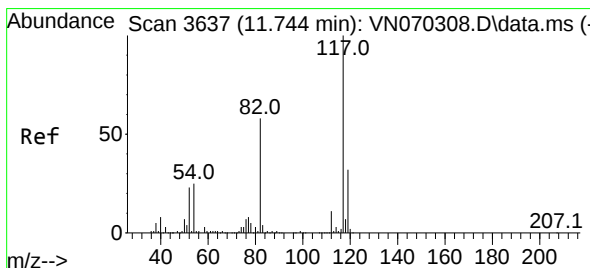
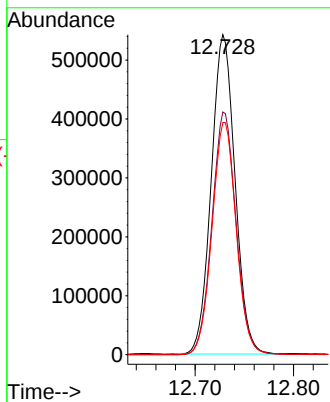
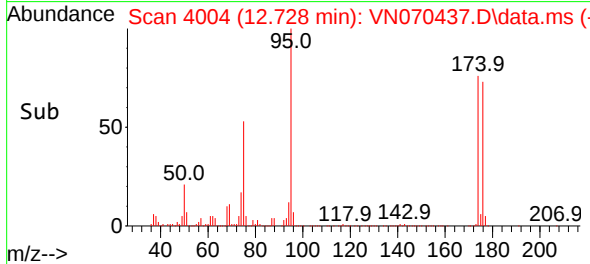
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



Tgt Ion: 95 Resp: 91241
Ion Ratio Lower Upper
95 100
174 77.0 0.0 187.2
176 73.8 0.0 181.4

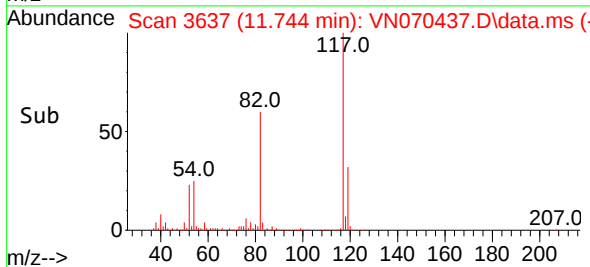
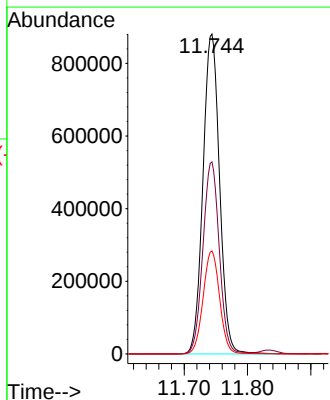
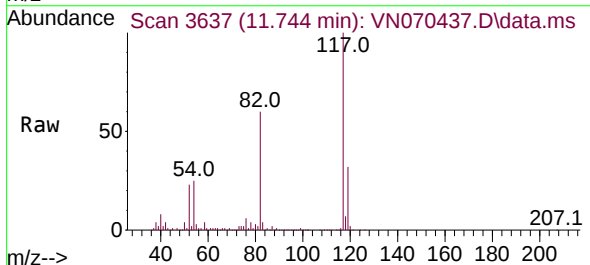
Manual Integrations
APPROVED

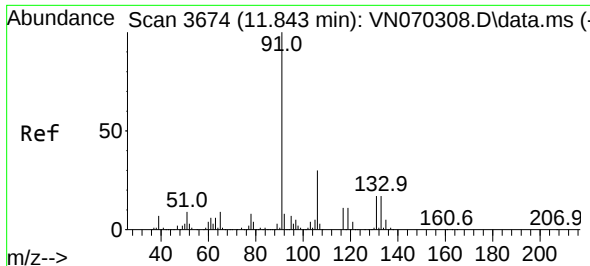
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

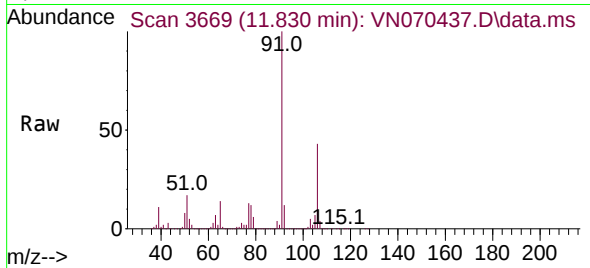
Tgt Ion:117 Resp: 1604011
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.2 25.4 38.2





#67
Ethyl Benzene
Concen: 373.208 ug/l m
RT: 11.830 min Scan# 3669
Delta R.T. -0.013 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

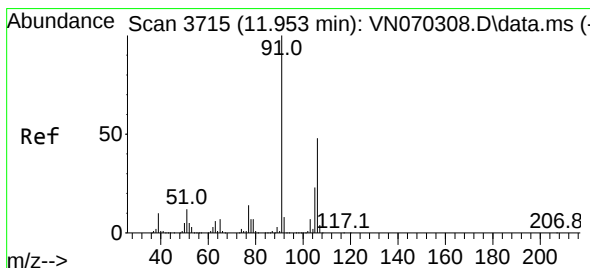
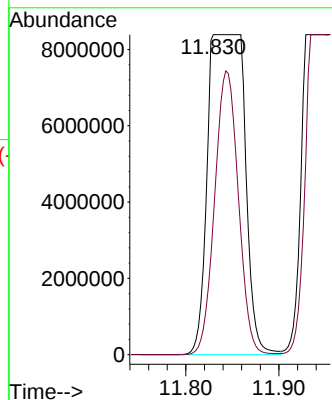
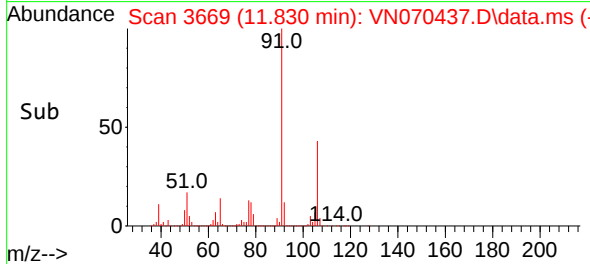
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



Tgt Ion: 91 Resp:23272258
Ion Ratio Lower Upper
91 100
106 42.6 25.7 38.5

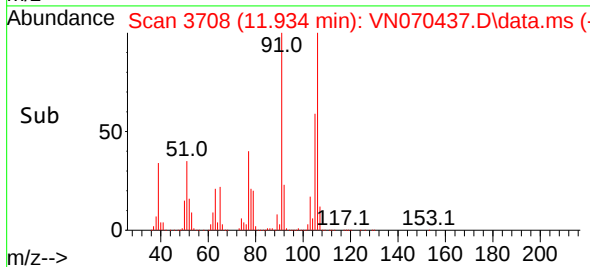
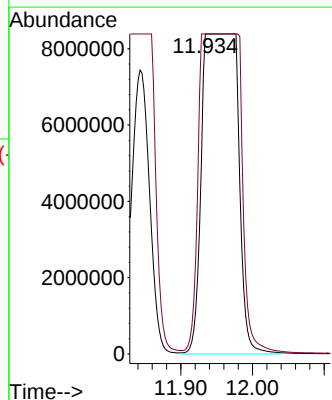
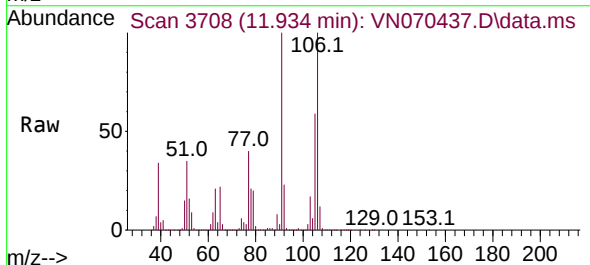
Manual Integrations
APPROVED

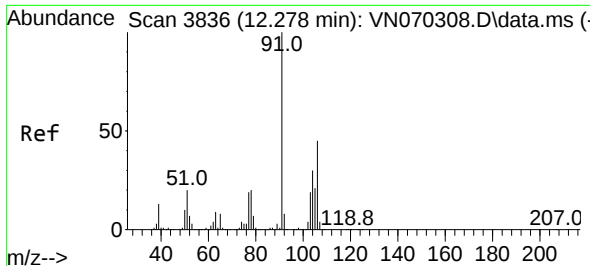
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#68
m/p-Xylenes
Concen: 1288.118 ug/l m
RT: 11.934 min Scan# 3708
Delta R.T. -0.019 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

Tgt Ion:106 Resp:29238276
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#





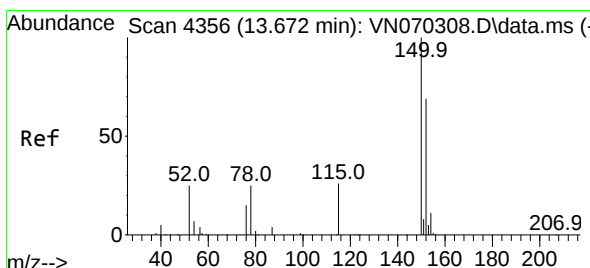
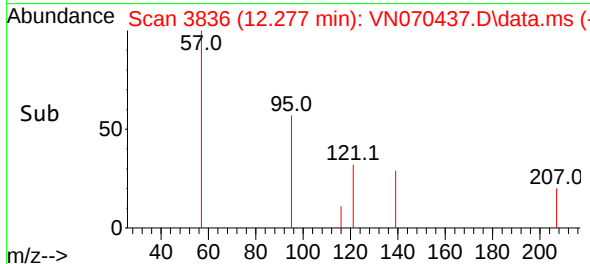
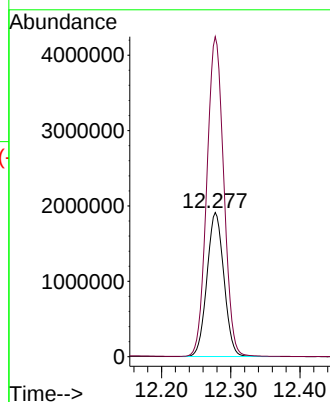
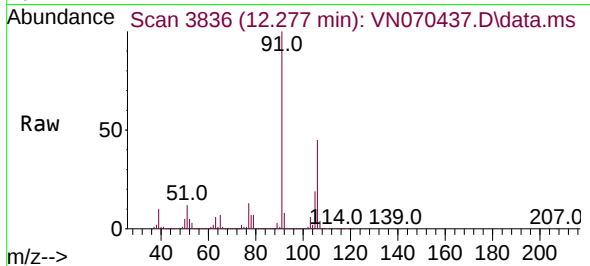
#69
o-Xylene
Concen: 144.044 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
MW-1R

Tgt Ion:106 Resp: 325211
Ion Ratio Lower Upper
106 100
91 221.9 105.8 317.3

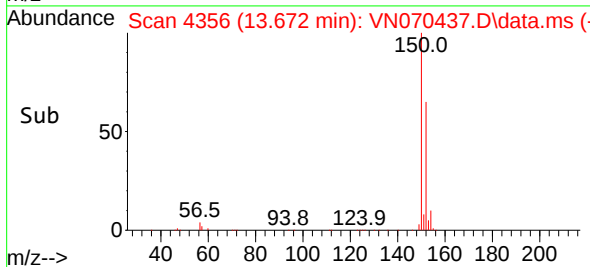
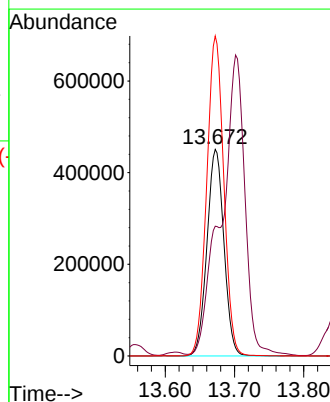
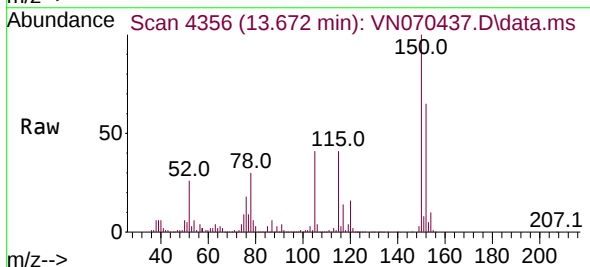
Manual Integrations
APPROVED

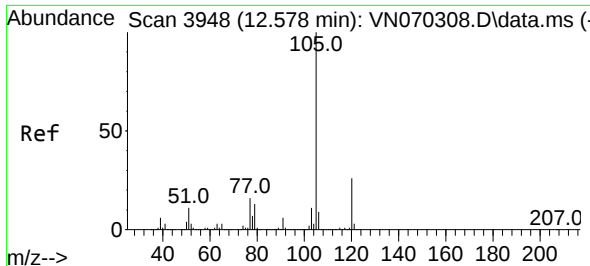
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

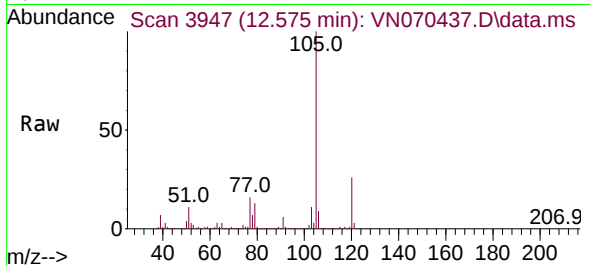
Tgt Ion:152 Resp: 765076
Ion Ratio Lower Upper
152 100
115 44.7 27.5 82.5
150 155.8 0.0 344.4





#73
Isopropylbenzene
Concen: 39.858 ug/l
RT: 12.575 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

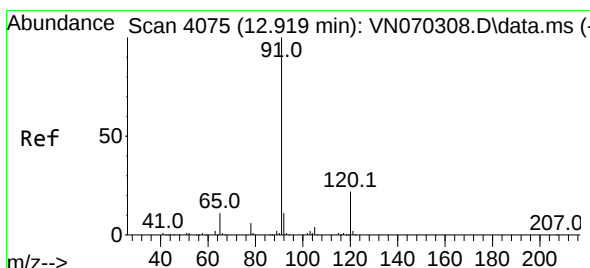
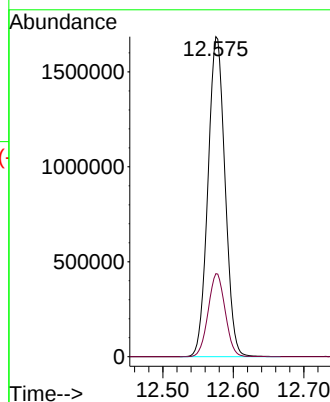
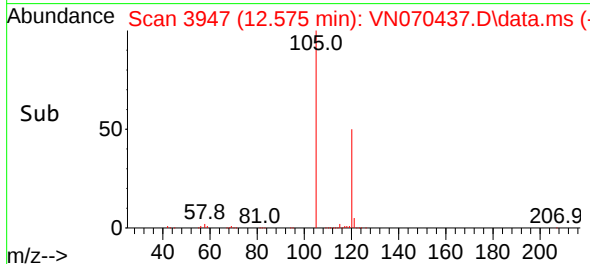
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



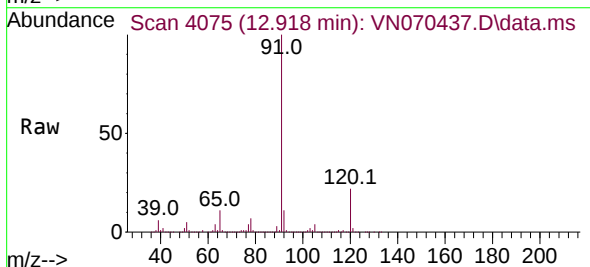
Tgt Ion:105 Resp: 283185
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1

Manual Integrations
APPROVED

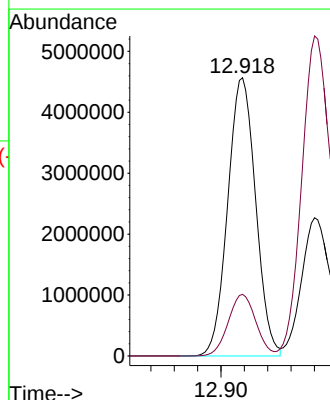
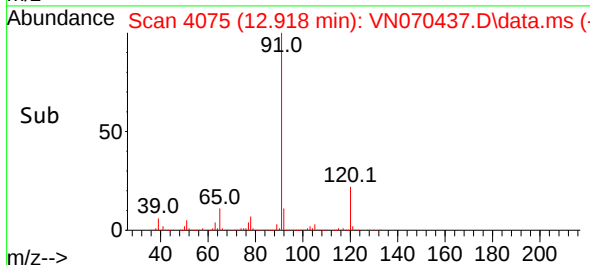
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

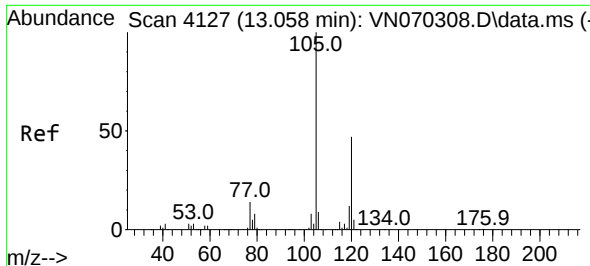


#78
n-propylbenzene
Concen: 96.157 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.001 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10



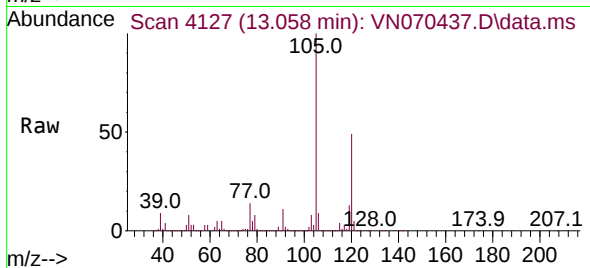
Tgt Ion: 91 Resp: 7569515
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 222.316 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10

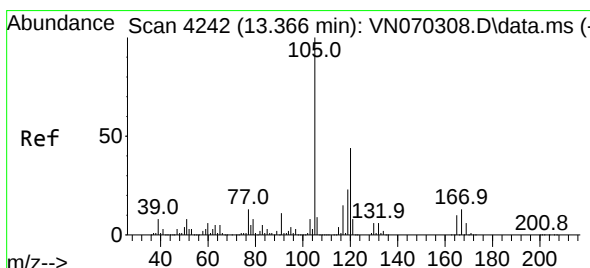
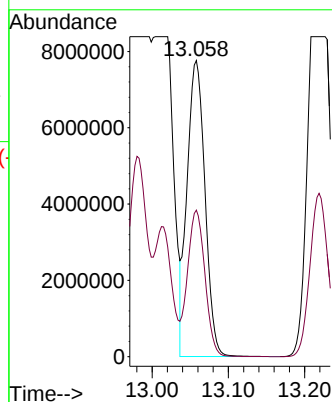
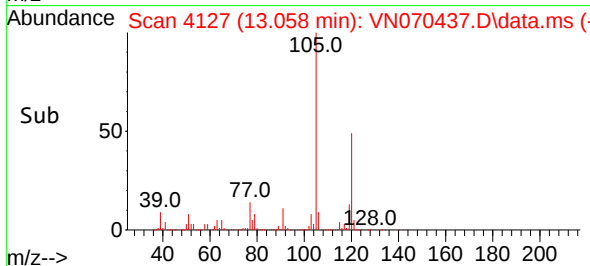
Instrument :
MSVOA_N
ClientSampleId :
MW-1R



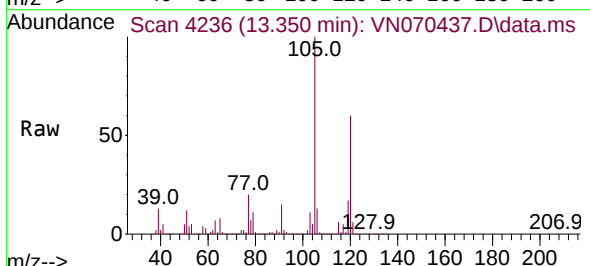
Tgt Ion:105 Resp:1265752
Ion Ratio Lower Upper
105 100
120 48.2 24.6 73.6

Manual Integrations
APPROVED

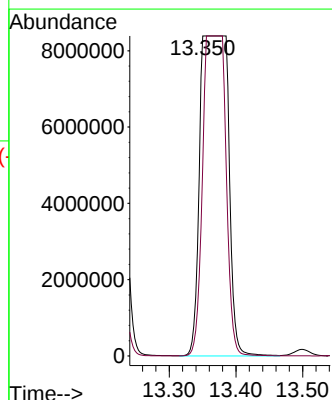
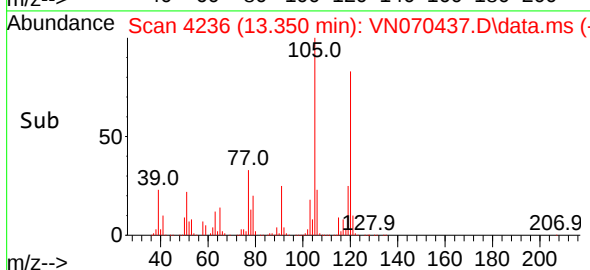
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

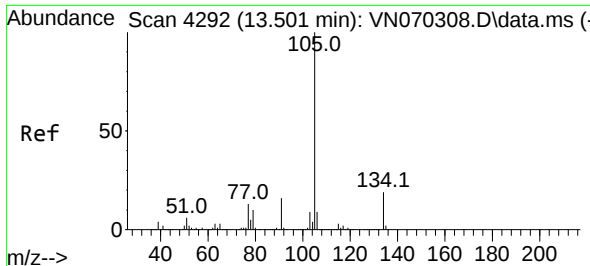


#84
1,2,4-Trimethylbenzene
Concen: 452.452 ug/l m
RT: 13.350 min Scan# 4236
Delta R.T. -0.016 min
Lab File: VN070437.D
Acq: 3 Jan 2022 15:10



Tgt Ion:105 Resp:24805360
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#





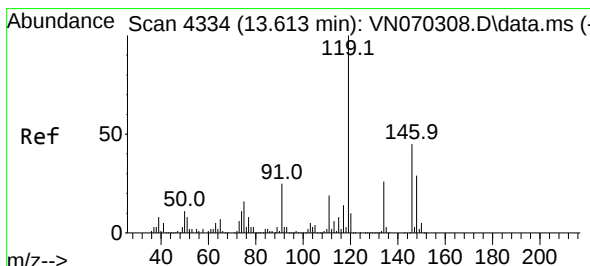
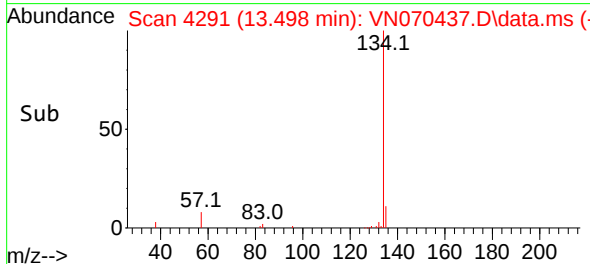
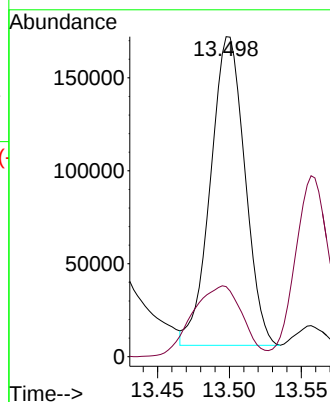
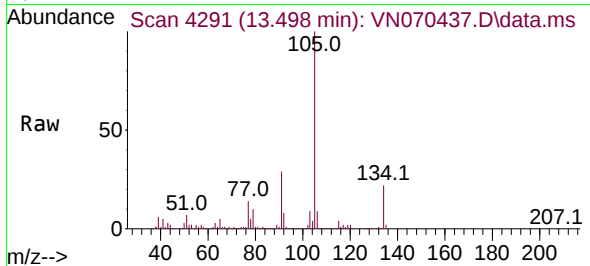
#85
 sec-Butylbenzene
 Concen: 4.055 ug/l
 RT: 13.498 min Scan# 4291
 Delta R.T. -0.003 min
 Lab File: VN070437.D
 Acq: 3 Jan 2022 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Tgt Ion:105 Resp: 276024
 Ion Ratio Lower Upper
 105 100
 134 33.4 10.4 31.1

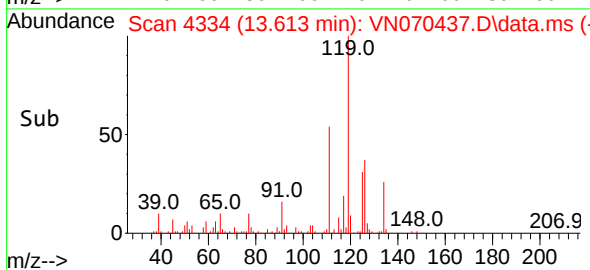
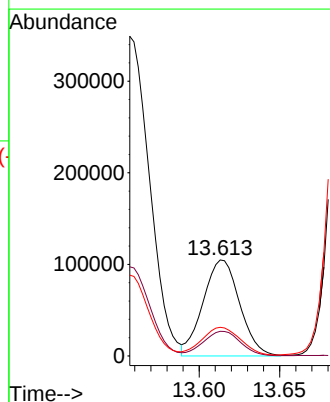
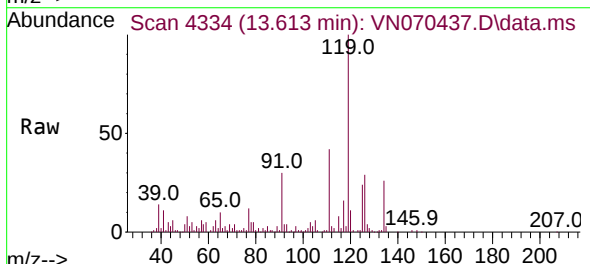
Manual Integrations
 APPROVED

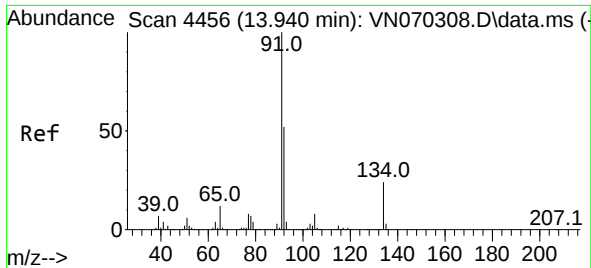
Reviewed By :John Carlone 01/04/2022
 Supervised By :Mahesh Dadoda 01/04/2022



#86
 p-Isopropyltoluene
 Concen: 3.103 ug/l m
 RT: 13.613 min Scan# 4334
 Delta R.T. 0.000 min
 Lab File: VN070437.D
 Acq: 3 Jan 2022 15:10

Tgt Ion:119 Resp: 165896
 Ion Ratio Lower Upper
 119 100
 134 94.9 13.6 40.7#
 91 0.0 11.4 34.1#





#89

n-Butylbenzene

Concen: 6.158 ug/l m

RT: 13.938 min Scan# 44

Delta R.T. -0.002 min

Lab File: VN070437.D

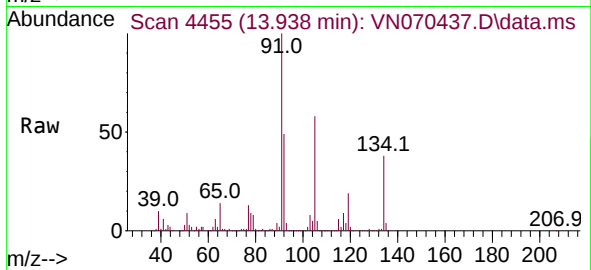
Acq: 3 Jan 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

MW-1R



Tgt Ion: 91 Resp: 27463

Ion Ratio Lower Upper

91 100

92 208.1 25.4 76.0

134 80.7 13.6 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022

