

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
 Data File : VN084368.D
 Acq On : 09 Oct 2024 15:32
 Operator : JC\MD
 Sample : P4358-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 24-A

Quant Time: Oct 10 01:22:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	188667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	339370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	131922	47.160	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.320%		
35) Dibromofluoromethane	8.171	113	103332	46.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	10.565	98	406968	49.441	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.880%		
62) 4-Bromofluorobenzene	12.847	95	153590	51.217	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.440%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	6076	13.173	ug/l #	93
16) Acetone	4.430	43	86782	72.217	ug/l	97
18) Methyl Acetate	5.036	43	3117	1.190	ug/l #	73
20) Methylene Chloride	5.277	84	5864	2.401	ug/l #	81
25) 2-Butanone	7.483	43	14278	8.724	ug/l	99
40) Benzene	8.606	78	1161851	114.747	ug/l	100
43) Isopropyl Acetate	8.688	43	245143m	37.539	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	29765	9.378	ug/l	90
52) Toluene	10.629	92	779874	126.307	ug/l	100
67) Ethyl Benzene	11.965	91	157960	13.623	ug/l	99
68) m/p-Xylenes	12.065	106	515261	120.137	ug/l	100
69) o-Xylene	12.394	106	539792	133.024	ug/l	100
70) Styrene	12.412	104	169338	24.637	ug/l #	57
73) Isopropylbenzene	12.694	105	11136	1.047	ug/l	95
78) n-propylbenzene	13.035	91	17023	1.381	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	197717	22.790	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	505876	57.881	ug/l	91
95) Naphthalene	15.641	128	18112752	2350.475	ug/l	98

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

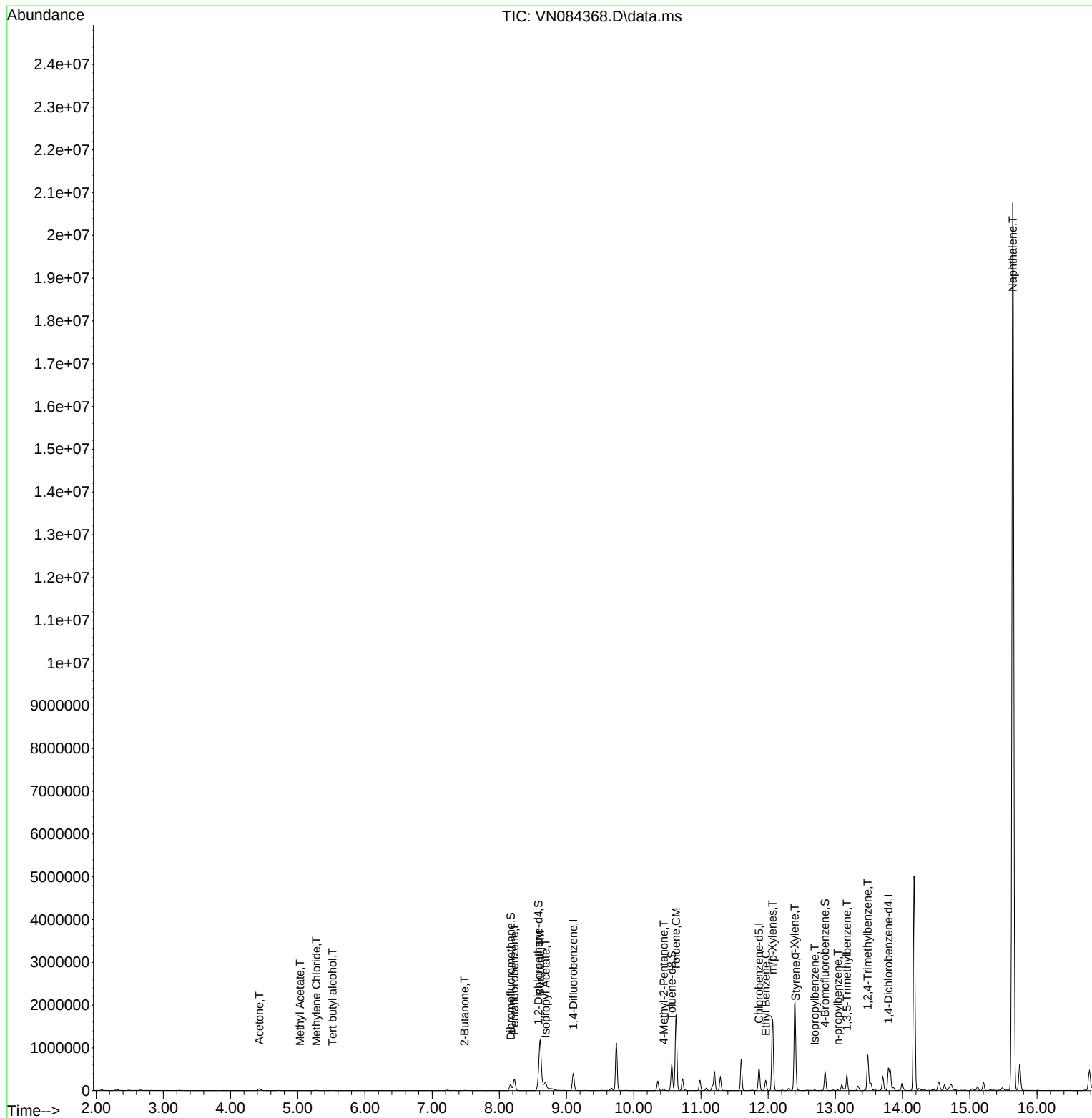
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
Data File : VN084368.D
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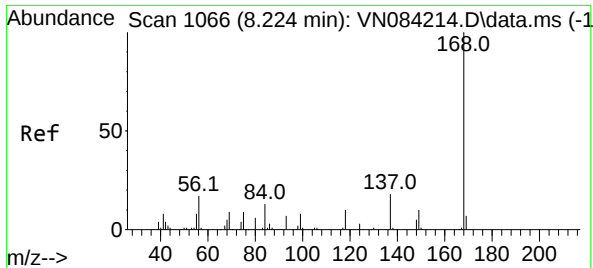
Instrument :
MSVOA_N
ClientSampleId :
24-A

Quant Time: Oct 10 01:22:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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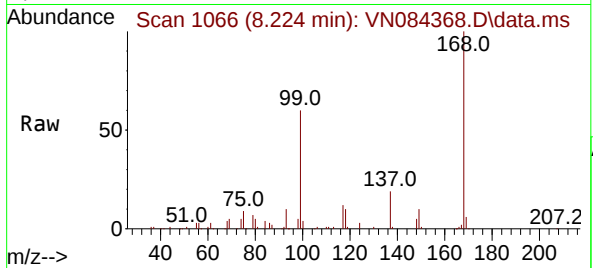
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

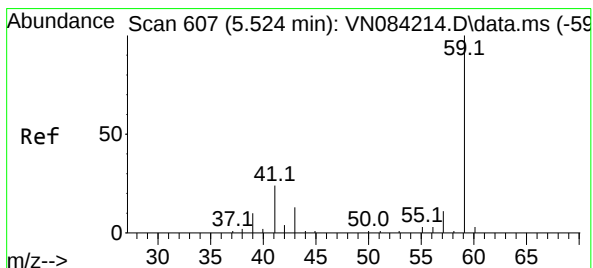
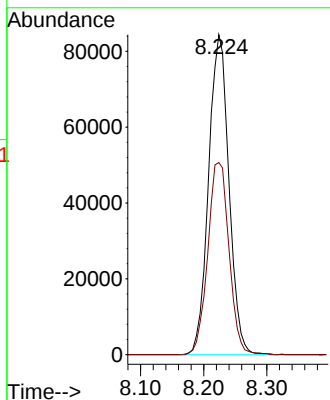
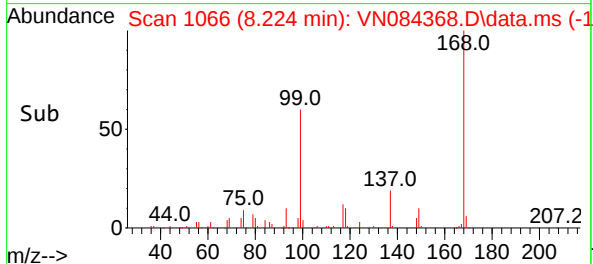
Instrument :
MSVOA_N
ClientSampleId :
24-A



Tgt Ion:168 Resp: 18866
Ion Ratio Lower Upper
168 100
99 60.0 54.2 81.2

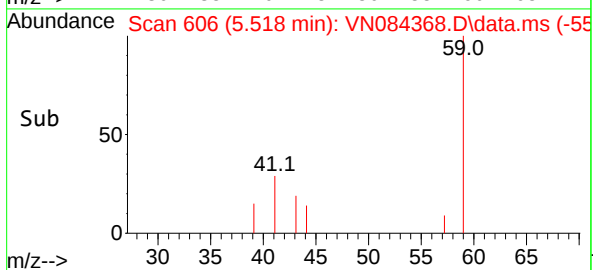
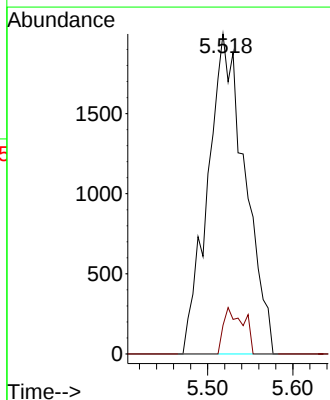
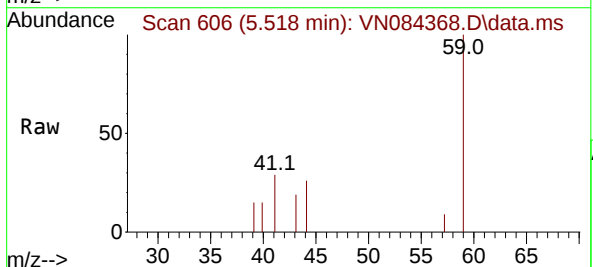
Manual Integrations
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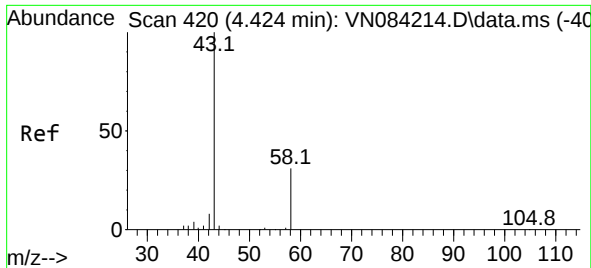
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#11
Tert butyl alcohol
Concen: 13.173 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

Tgt Ion: 59 Resp: 6076
Ion Ratio Lower Upper
59 100
57 7.7 8.2 12.2#





#16

Acetone

Concen: 72.217 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084368.D

Acq: 09 Oct 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

24-A

Tgt Ion: 43 Resp: 8678

Ion Ratio Lower Upper

43 100

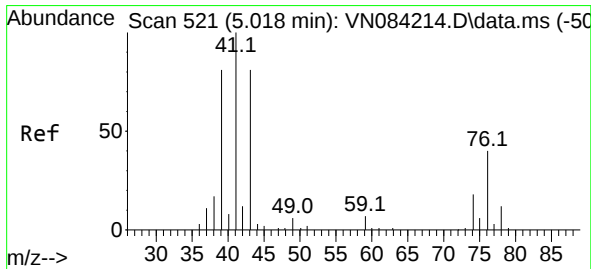
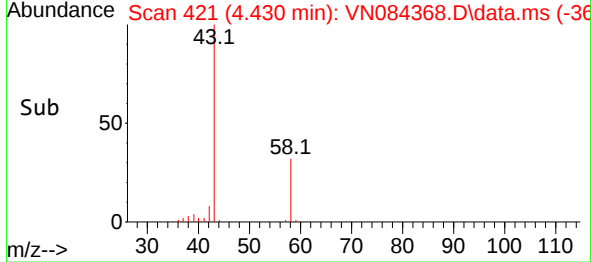
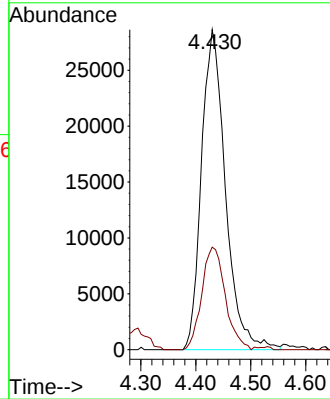
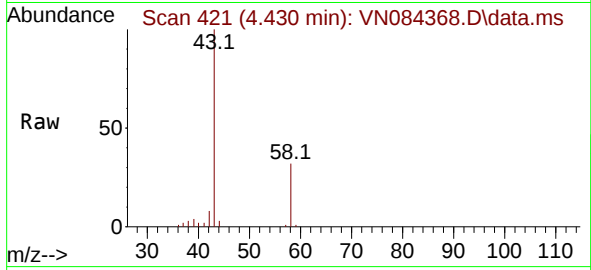
58 32.1 24.4 36.6

Manual Integrations

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#18

Methyl Acetate

Concen: 1.190 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN084368.D

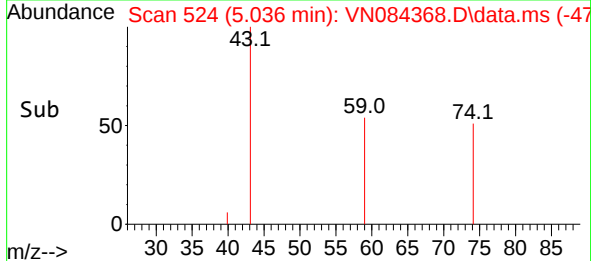
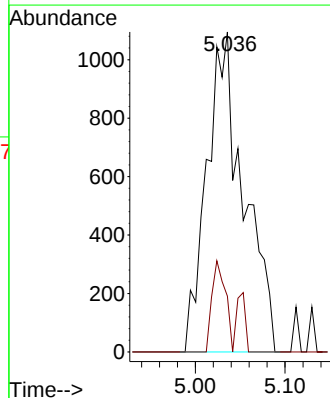
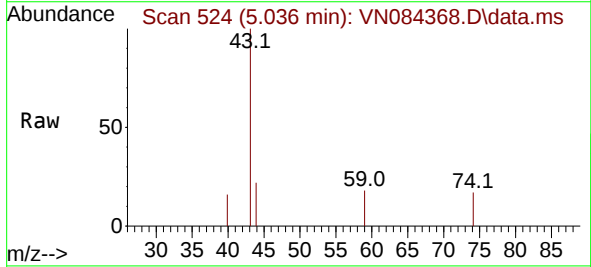
Acq: 09 Oct 2024 15:32

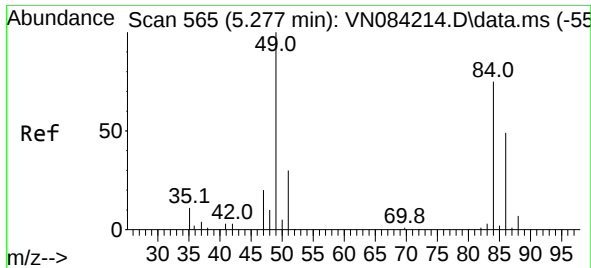
Tgt Ion: 43 Resp: 3117

Ion Ratio Lower Upper

43 100

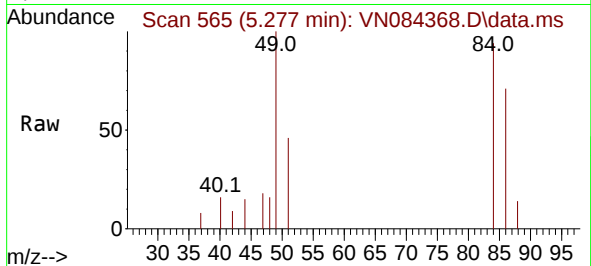
74 10.6 19.2 28.8#





#20
Methylene Chloride
Concen: 2.401 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

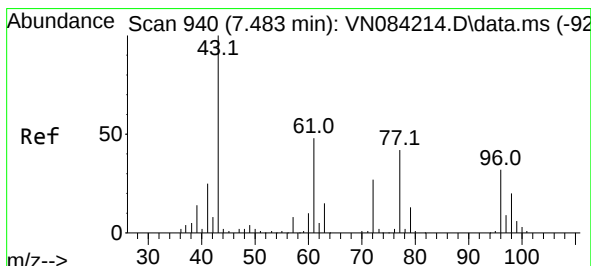
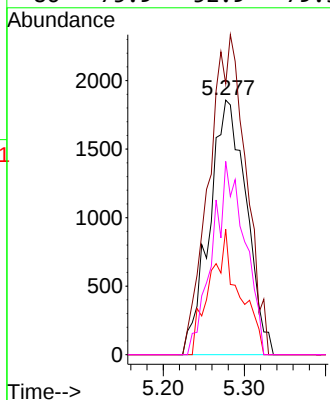
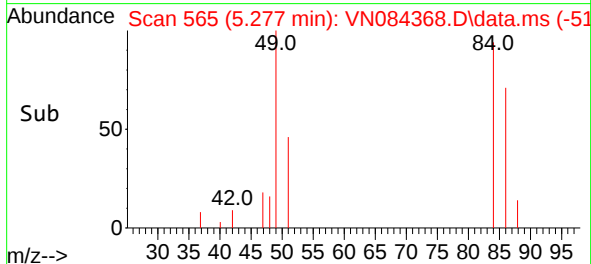
Instrument :
MSVOA_N
ClientSampleId :
24-A



Tgt Ion: 84 Resp: 5864
Ion Ratio Lower Upper
84 100
49 106.3 107.2 160.8
51 49.2 31.8 47.8
86 75.9 52.9 79.3

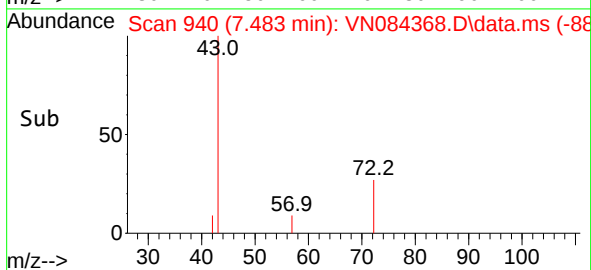
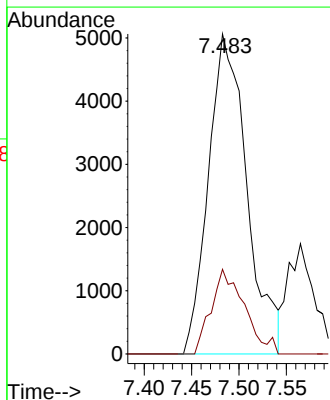
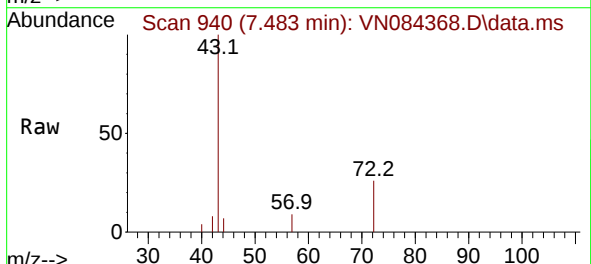
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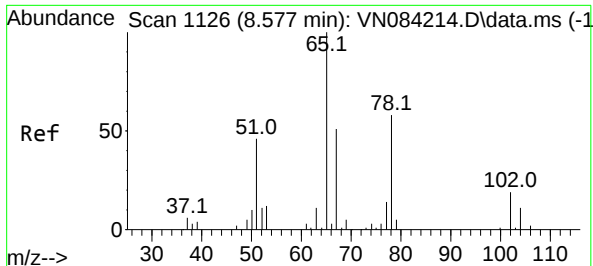
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#25
2-Butanone
Concen: 8.724 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

Tgt Ion: 43 Resp: 14278
Ion Ratio Lower Upper
43 100
72 26.4 21.4 32.2





#33

1,2-Dichloroethane-d4

Concen: 47.160 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084368.D

Acq: 09 Oct 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

24-A

Tgt Ion: 65 Resp: 13192

Ion Ratio Lower Upper

65 100

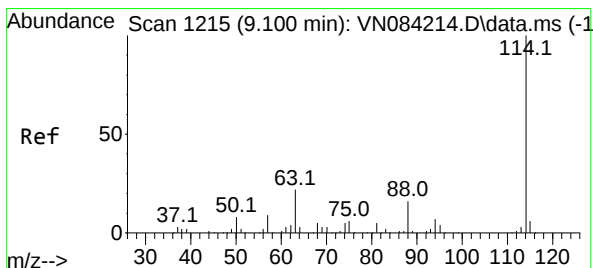
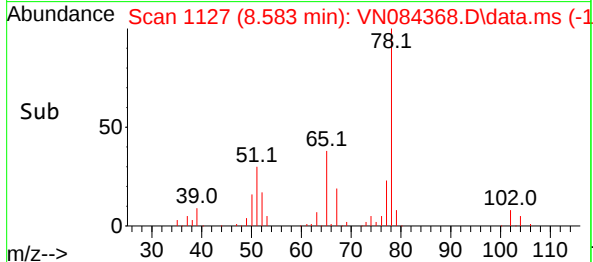
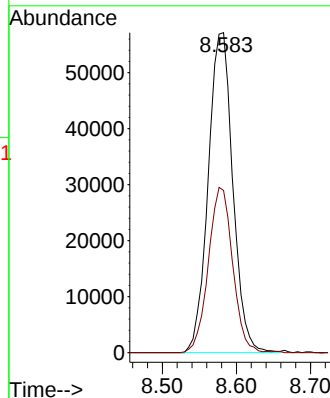
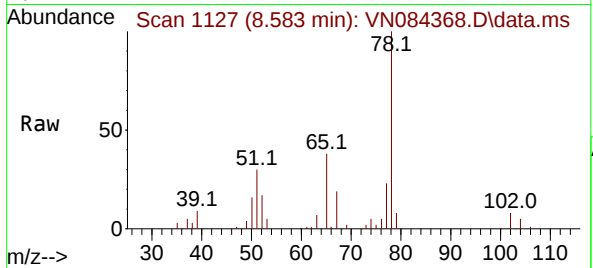
67 51.1 0.0 102.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/10/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084368.D

Acq: 09 Oct 2024 15:32

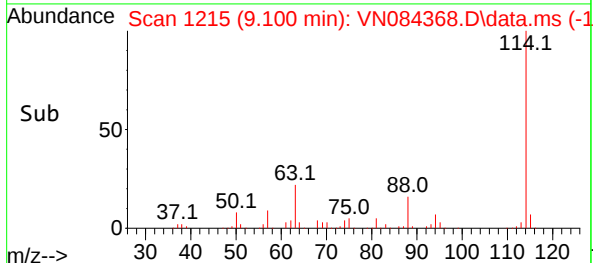
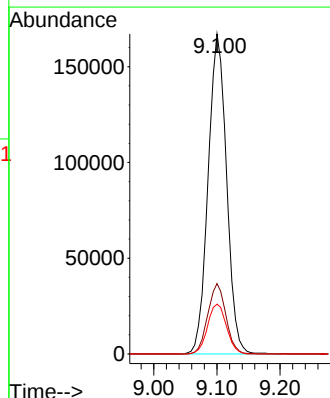
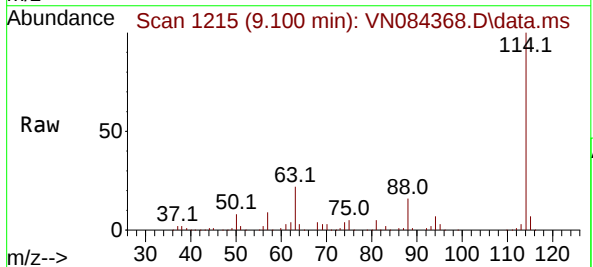
Tgt Ion:114 Resp: 339370

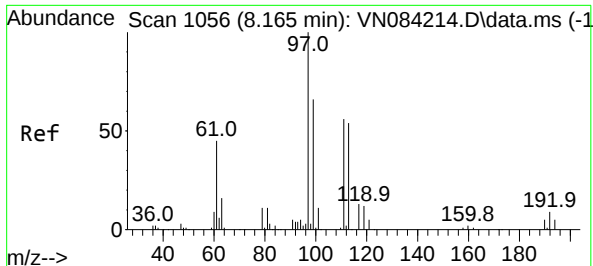
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.185 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084368.D

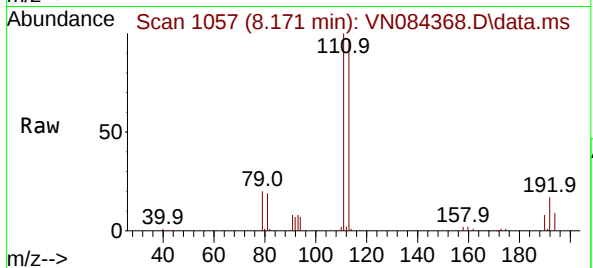
Acq: 09 Oct 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

24-A



Tgt Ion:113 Resp: 10333

Ion Ratio Lower Upper

113 100

111 103.0 83.3 124.9

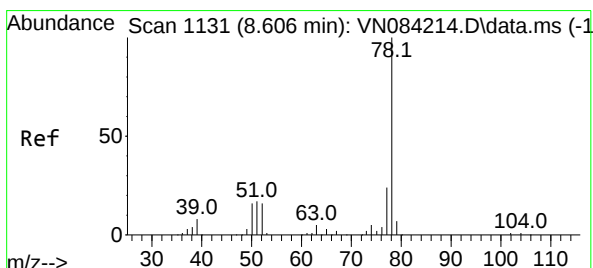
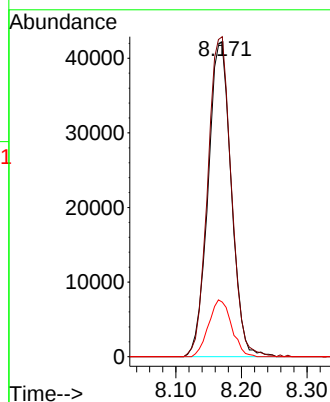
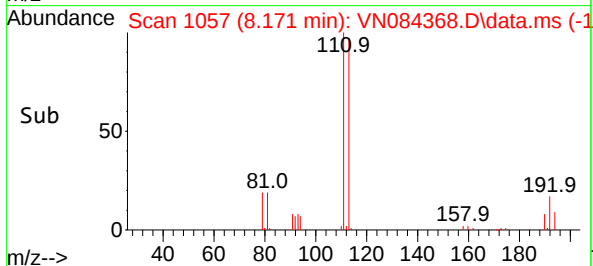
192 17.9 13.5 20.3

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#40

Benzene

Concen: 114.747 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN084368.D

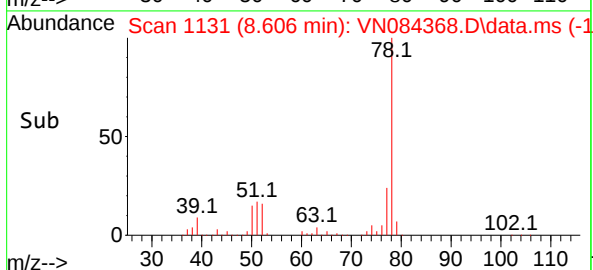
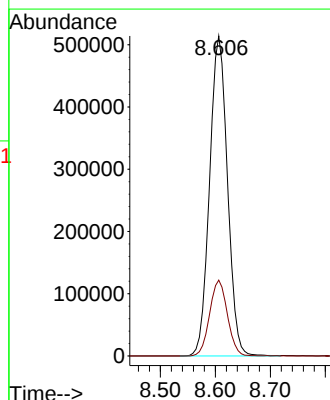
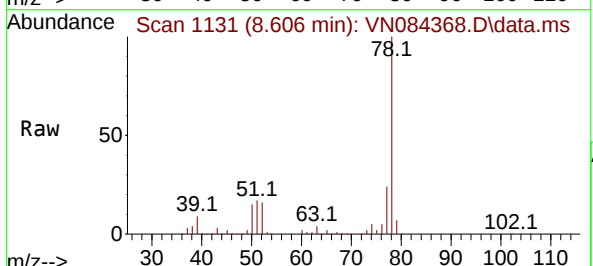
Acq: 09 Oct 2024 15:32

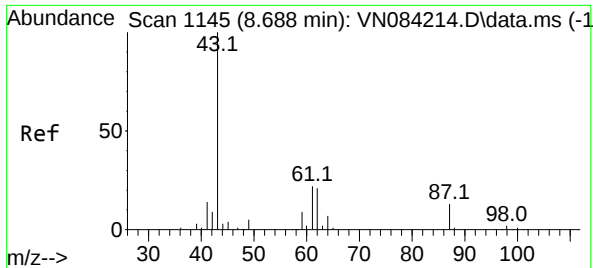
Tgt Ion: 78 Resp: 1161851

Ion Ratio Lower Upper

78 100

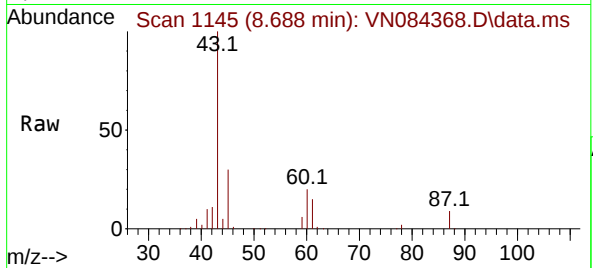
77 23.7 19.1 28.7





#43
Isopropyl Acetate
Concen: 37.539 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

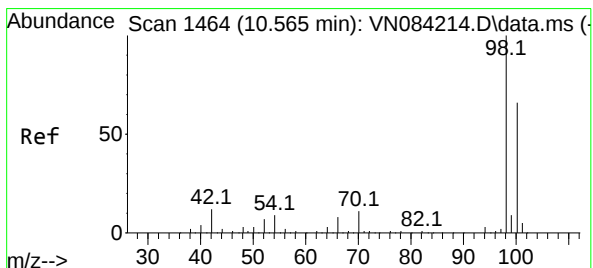
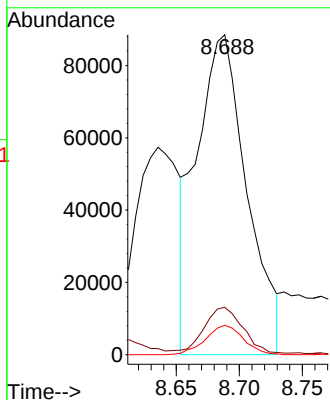
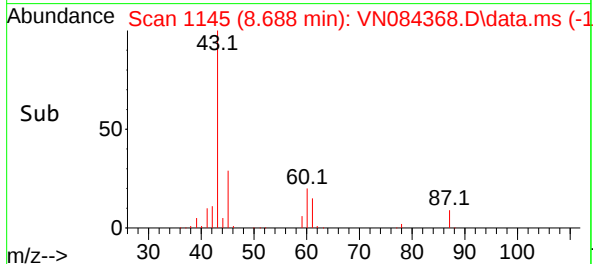
Instrument :
MSVOA_N
ClientSampleId :
24-A



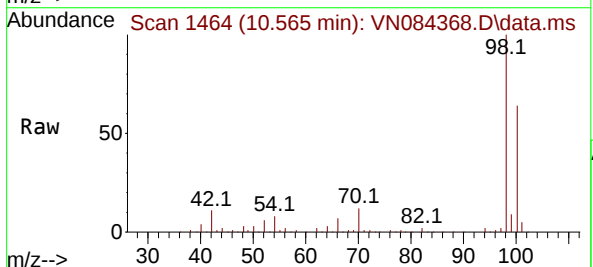
Tgt Ion: 43 Resp: 24514
Ion Ratio Lower Upper
43 100
61 12.0 20.4 30.6
87 6.9 10.3 15.5

Manual Integrations
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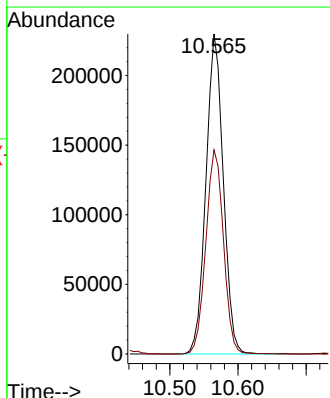
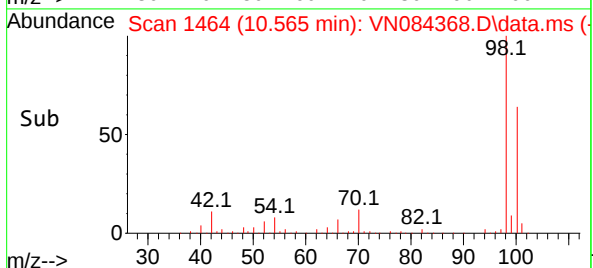
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

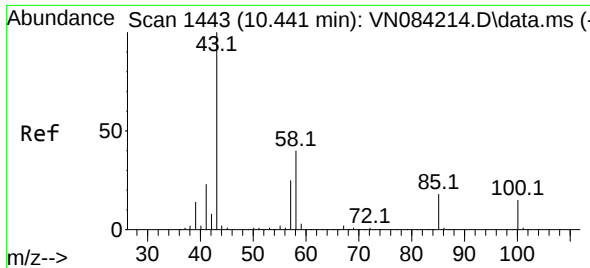


#50
Toluene-d8
Concen: 49.441 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32



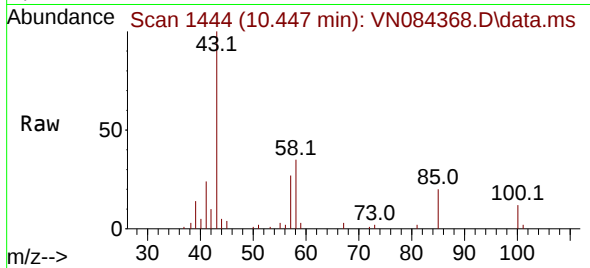
Tgt Ion: 98 Resp: 406968
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 9.378 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

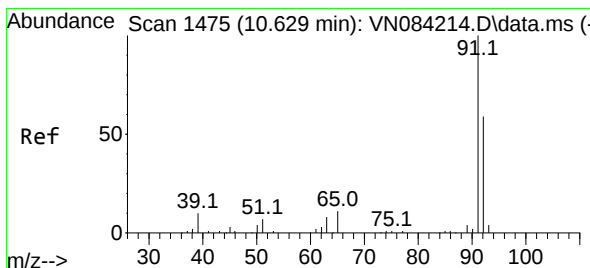
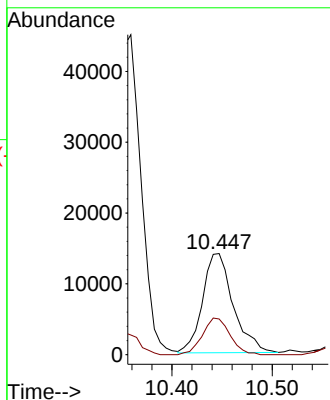
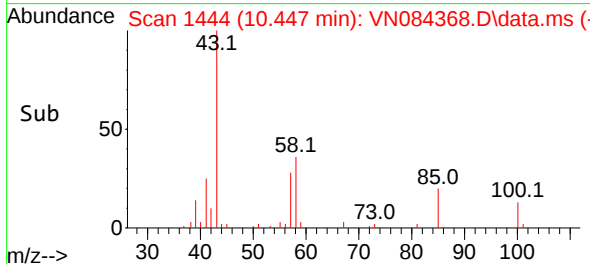
Instrument :
MSVOA_N
ClientSampleId :
24-A



Tgt Ion: 43 Resp: 2976
Ion Ratio Lower Upper
43 100
58 33.2 31.6 47.4

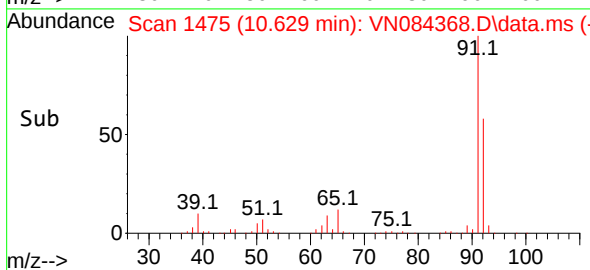
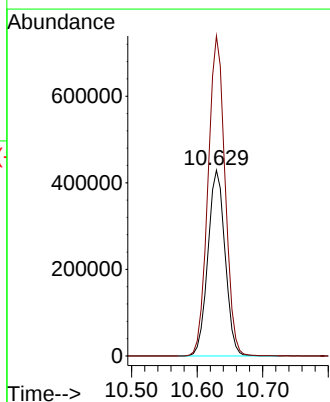
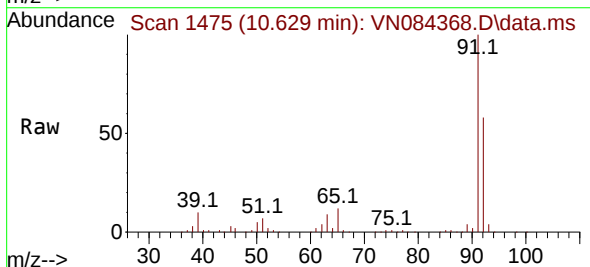
Manual Integrations
APPROVED

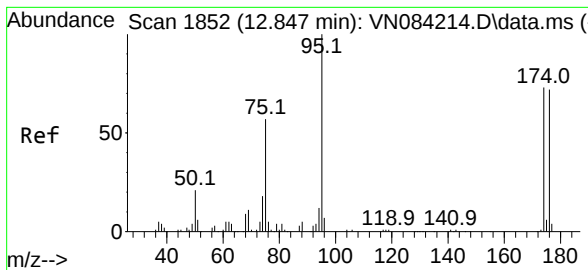
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#52
Toluene
Concen: 126.307 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

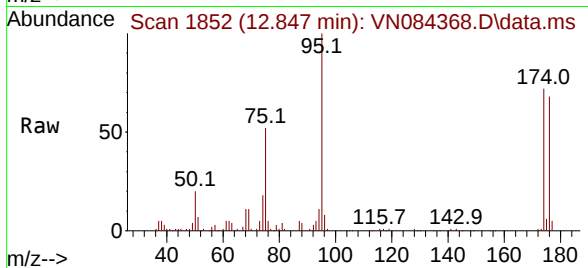
Tgt Ion: 92 Resp: 779874
Ion Ratio Lower Upper
92 100
91 171.1 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 51.217 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

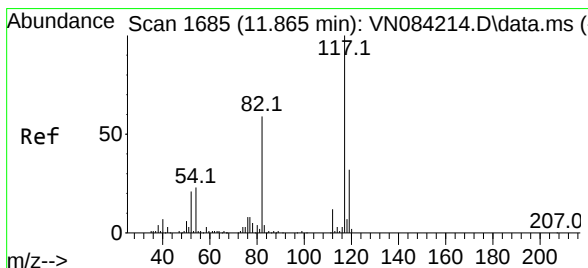
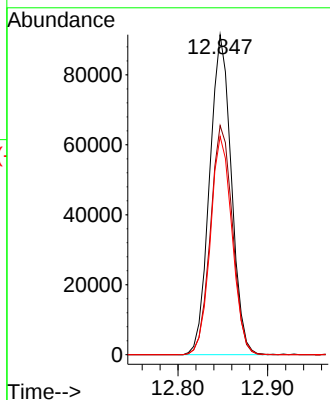
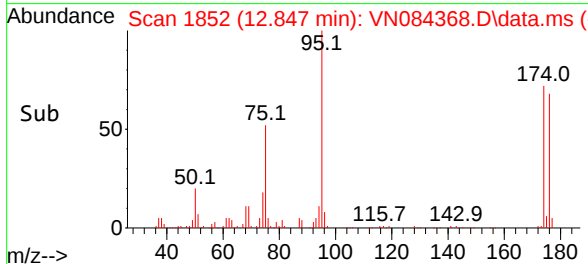
Instrument :
MSVOA_N
ClientSampleId :
24-A



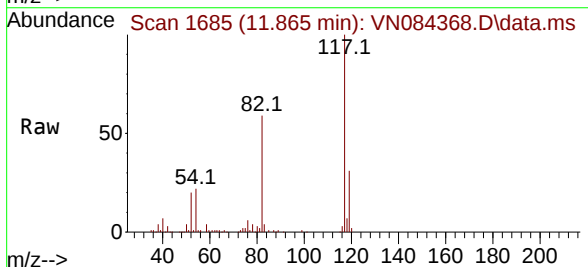
Tgt Ion: 95 Resp: 153590
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.2
176 68.3 0.0 140.0

Manual Integrations
APPROVED

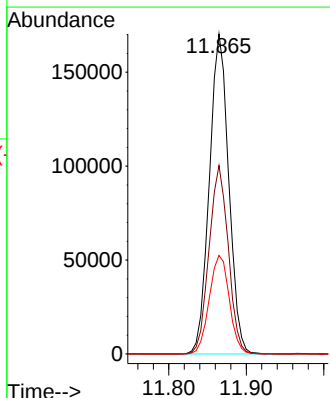
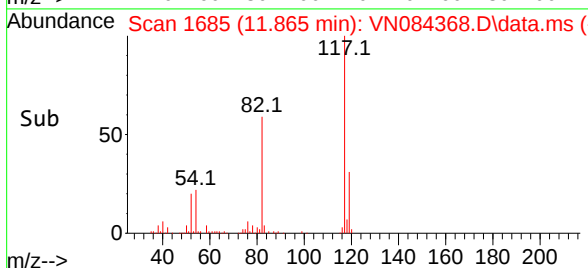
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

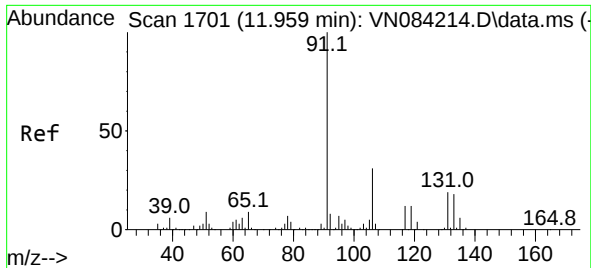


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32



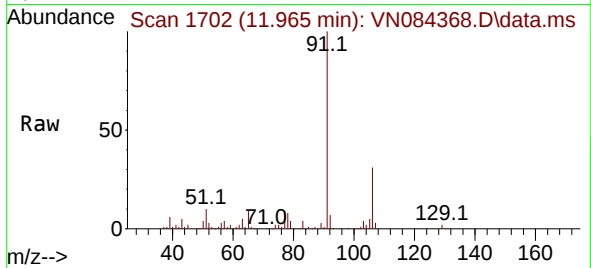
Tgt Ion:117 Resp: 295698
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 30.8 25.4 38.0





#67
Ethyl Benzene
Concen: 13.623 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

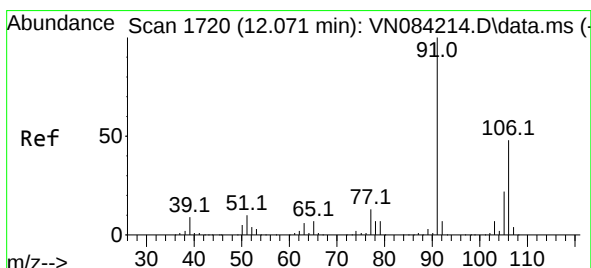
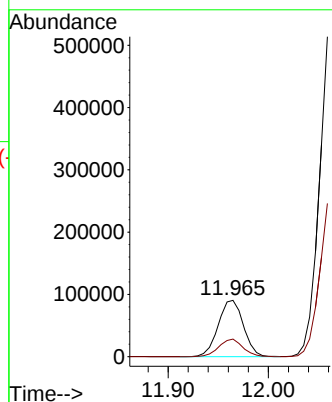
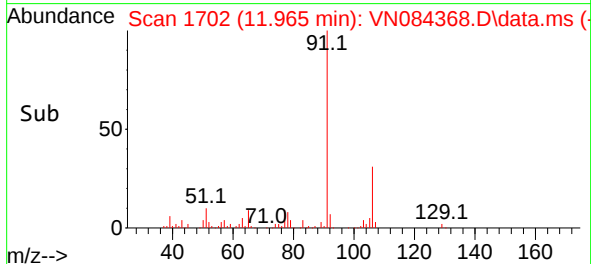
Instrument :
MSVOA_N
ClientSampleId :
24-A



Tgt Ion: 91 Resp: 157960
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7

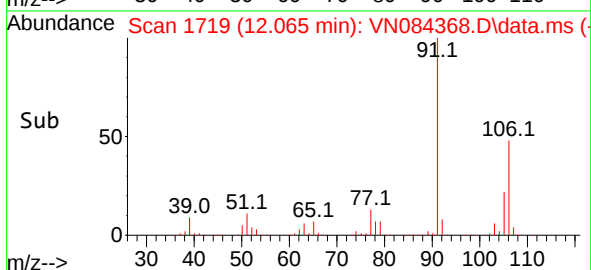
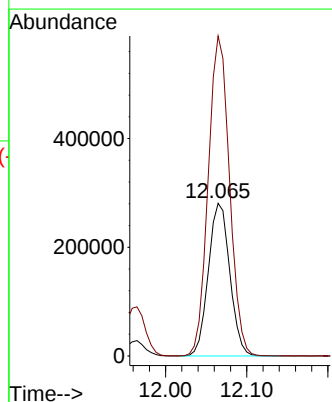
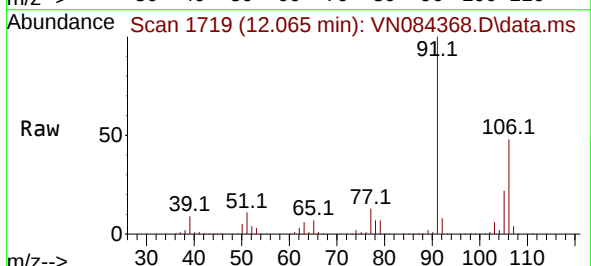
Manual Integrations
APPROVED

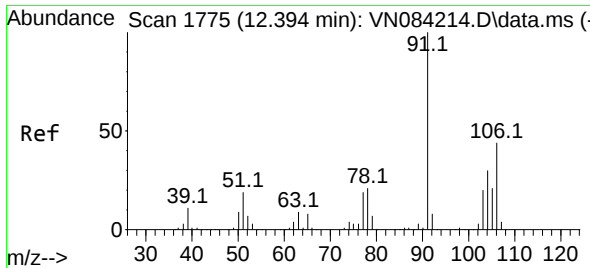
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#68
m/p-Xylenes
Concen: 120.137 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

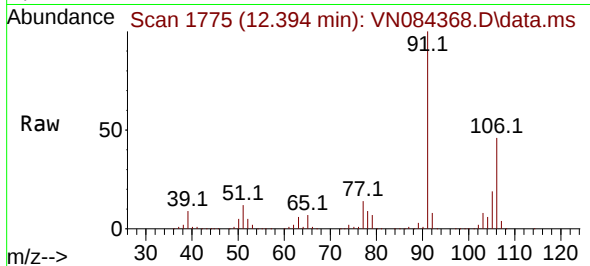
Tgt Ion:106 Resp: 515261
Ion Ratio Lower Upper
106 100
91 208.1 167.1 250.7





#69
o-Xylene
Concen: 133.024 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

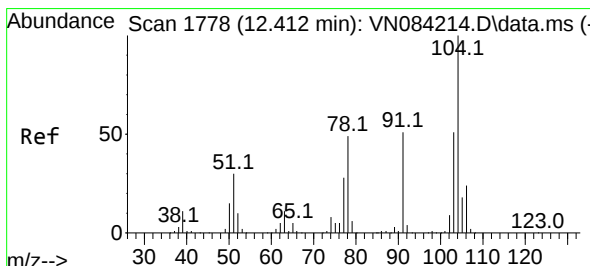
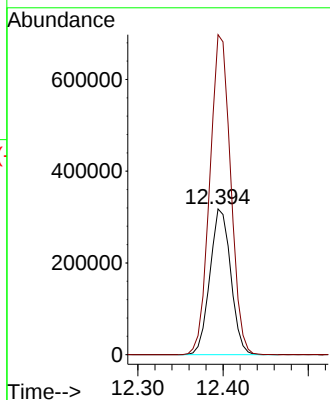
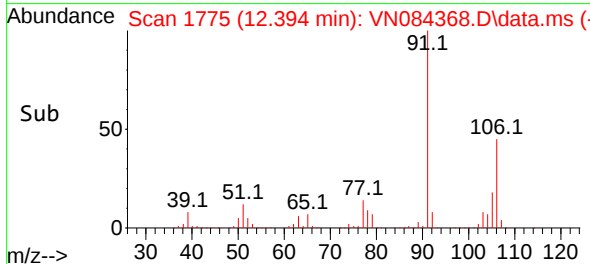
Instrument :
MSVOA_N
ClientSampleId :
24-A



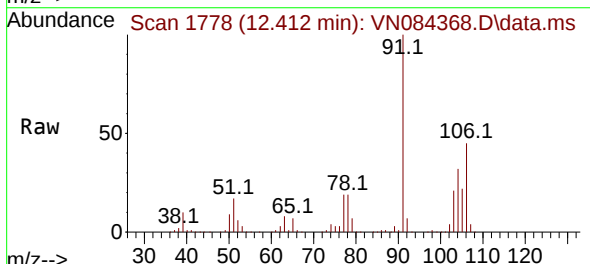
Tgt Ion:106 Resp: 539792
Ion Ratio Lower Upper
106 100
91 220.0 110.2 330.6

Manual Integrations
APPROVED

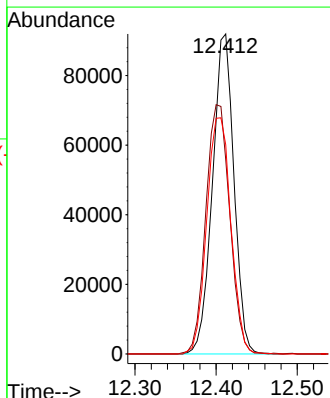
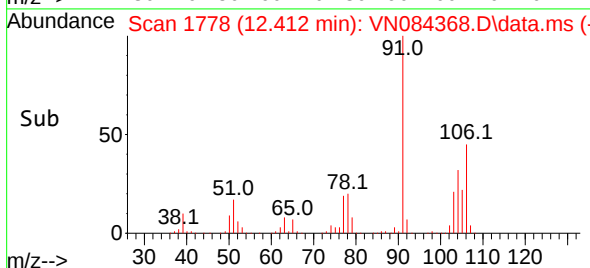
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

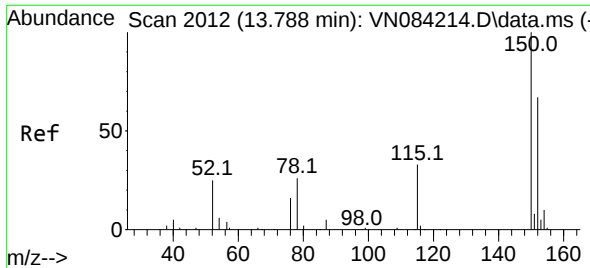


#70
Styrene
Concen: 24.637 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32



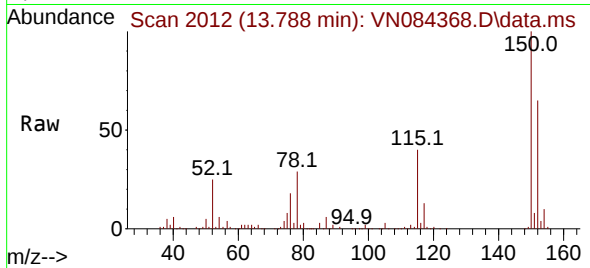
Tgt Ion:104 Resp: 169338
Ion Ratio Lower Upper
104 100
78 86.6 42.7 64.1#
103 83.0 43.6 65.4#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

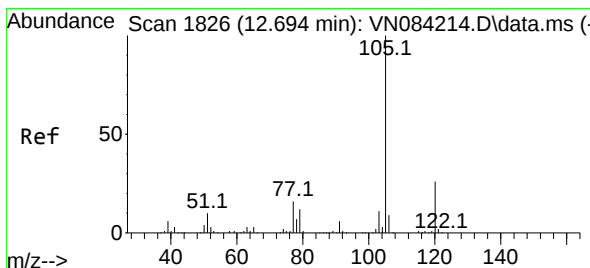
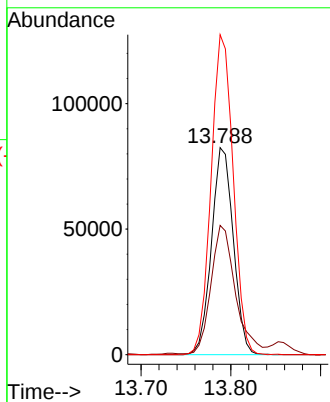
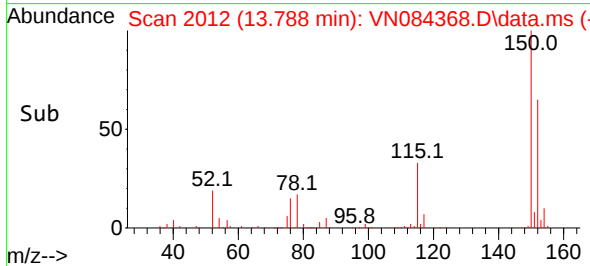
Instrument :
MSVOA_N
ClientSampleId :
24-A



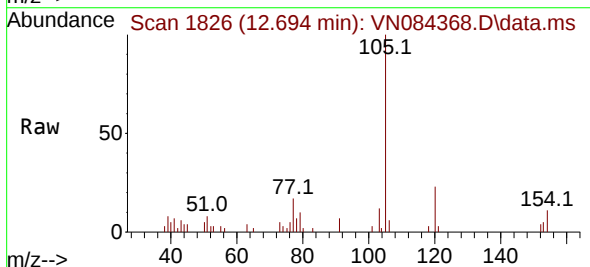
Tgt Ion:152 Resp: 139378
Ion Ratio Lower Upper
152 100
115 69.2 31.3 93.9
150 156.4 0.0 349.8

Manual Integrations
APPROVED

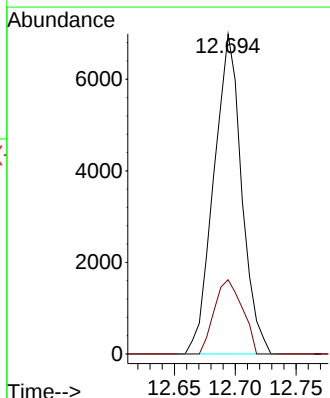
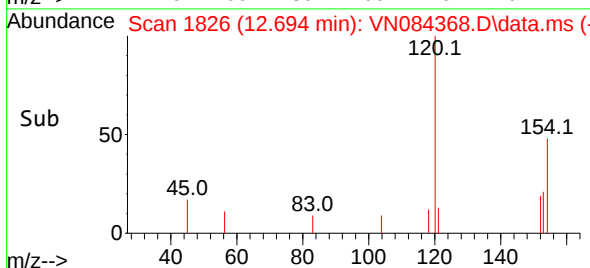
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

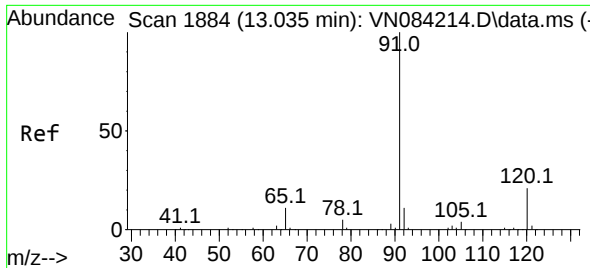


#73
Isopropylbenzene
Concen: 1.047 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32



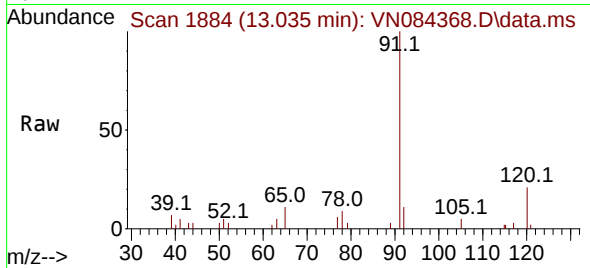
Tgt Ion:105 Resp: 11136
Ion Ratio Lower Upper
105 100
120 23.3 12.9 38.7





#78
n-propylbenzene
Concen: 1.381 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32

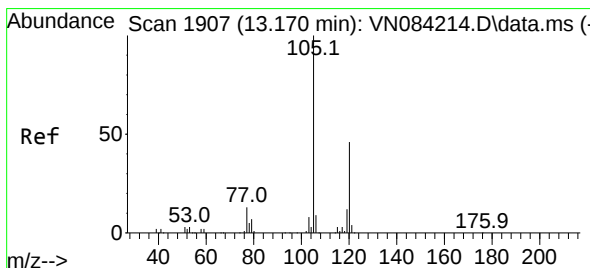
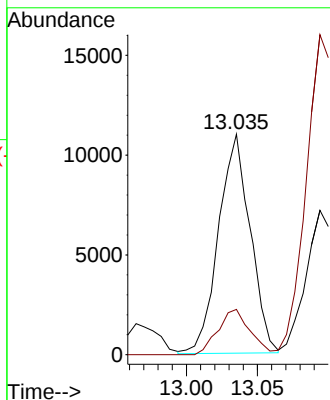
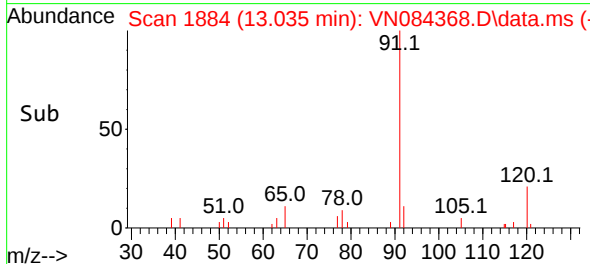
Instrument :
MSVOA_N
ClientSampleId :
24-A



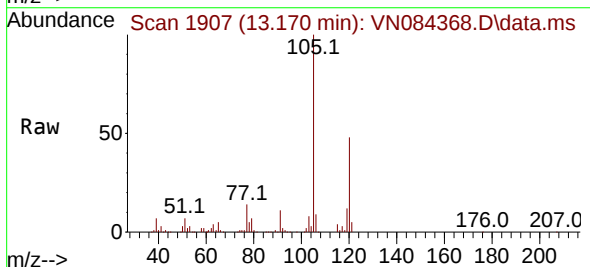
Tgt Ion: 91 Resp: 1702
Ion Ratio Lower Upper
91 100
120 20.8 10.8 32.4

Manual Integrations
APPROVED

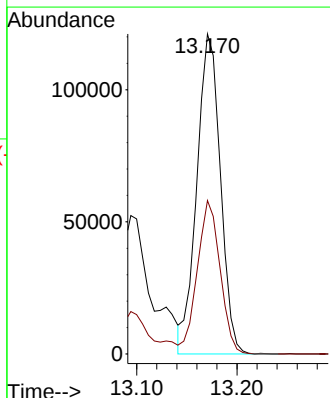
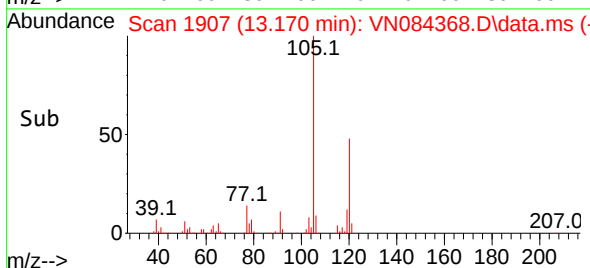
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

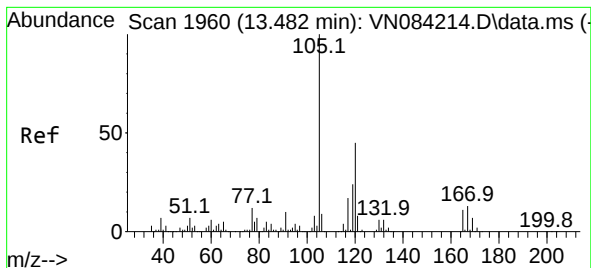


#80
1,3,5-Trimethylbenzene
Concen: 22.790 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084368.D
Acq: 09 Oct 2024 15:32



Tgt Ion:105 Resp: 197717
Ion Ratio Lower Upper
105 100
120 46.6 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 57.881 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084368.D

Acq: 09 Oct 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

24-A

Tgt Ion:105 Resp: 505870

Ion Ratio Lower Upper

105 100

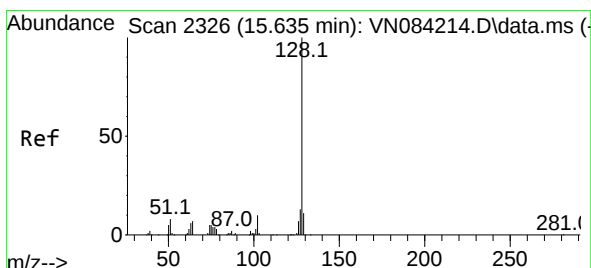
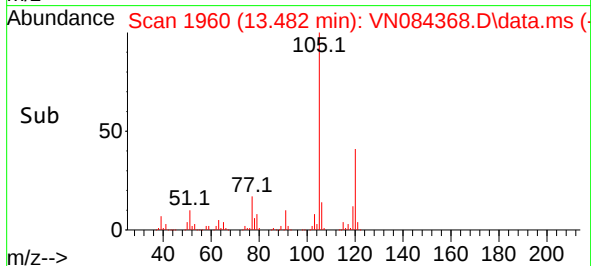
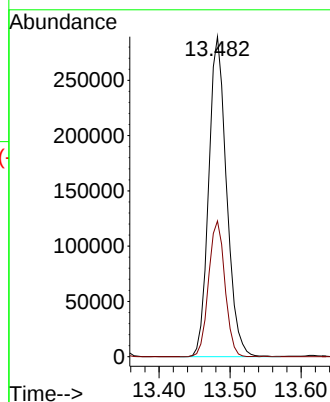
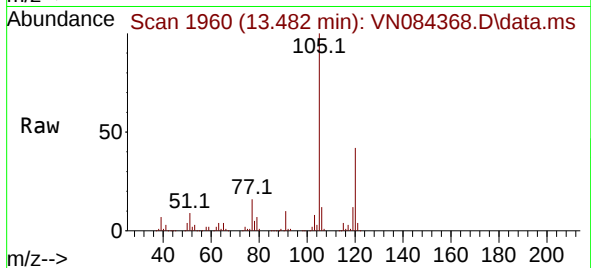
120 38.8 22.3 66.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2024

Supervised By :Mahesh Dadoda 10/10/2024



#95

Naphthalene

Concen: 2350.475 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084368.D

Acq: 09 Oct 2024 15:32

Tgt Ion:128 Resp:18112752

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 11.8 8.7 13.1

