

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
 Data File : VN084369.D
 Acq On : 09 Oct 2024 15:56
 Operator : JC\MD
 Sample : P4358-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 24-B

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 01:22:38 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	199702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	352800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135132	45.638	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.280%		
35) Dibromofluoromethane	8.165	113	109506	47.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	10.565	98	425885	49.769	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.847	95	158330	50.788	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.580%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	3767	7.716	ug/l #	77
16) Acetone	4.430	43	32238	25.345	ug/l #	87
20) Methylene Chloride	5.265	84	6351	2.456	ug/l #	82
25) 2-Butanone	7.483	43	10397	6.001	ug/l	95
40) Benzene	8.606	78	386231	36.693	ug/l	100
43) Isopropyl Acetate	8.688	43	250879m	36.955	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	15279	4.631	ug/l #	82
52) Toluene	10.629	92	257851	40.171	ug/l	100
67) Ethyl Benzene	11.965	91	52222	4.341	ug/l	98
68) m/p-Xylenes	12.065	106	167198	37.574	ug/l	99
69) o-Xylene	12.394	106	188183	44.698	ug/l	99
70) Styrene	12.406	104	57951	8.127	ug/l #	56
80) 1,3,5-Trimethylbenzene	13.170	105	72693	8.426	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	178278	20.512	ug/l	91
95) Naphthalene	15.641	128	9274166	1210.229	ug/l	100

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

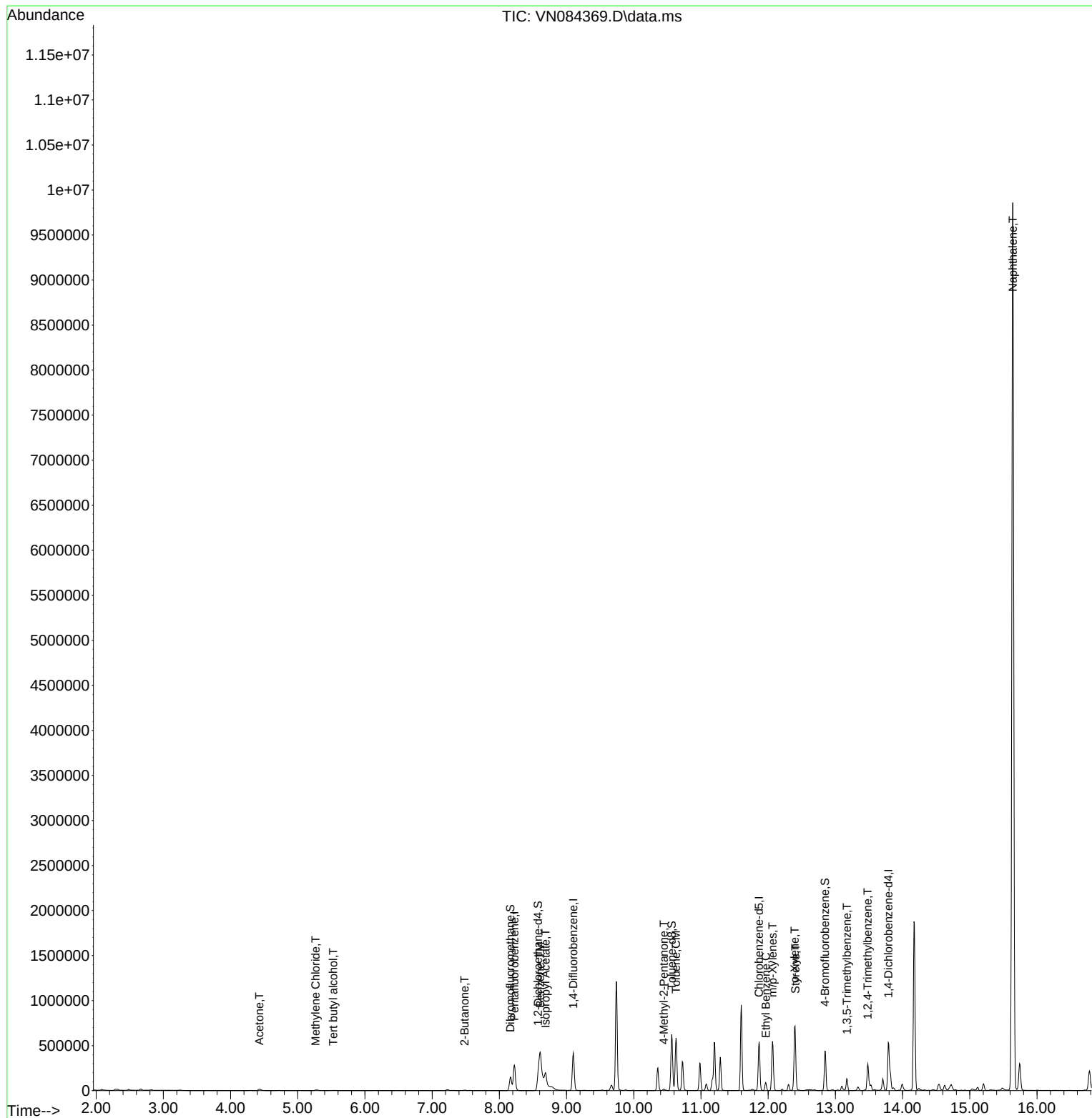
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
Data File : VN084369.D
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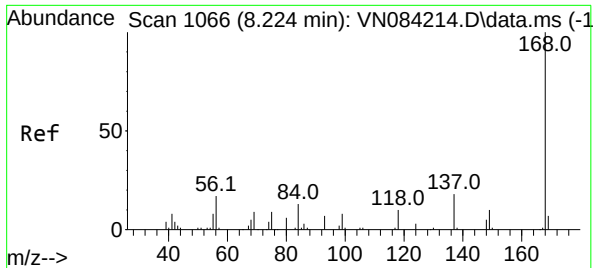
Instrument :
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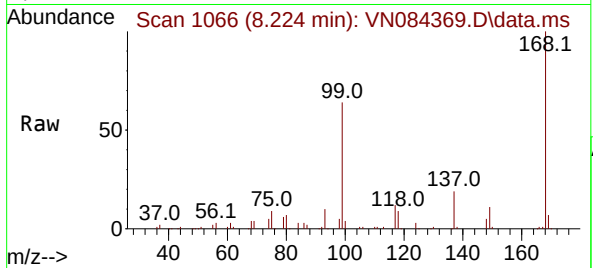
Quant Time: Oct 10 01:22:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

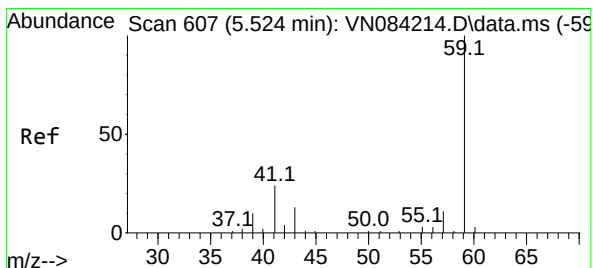
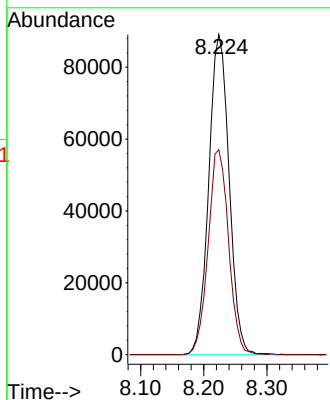
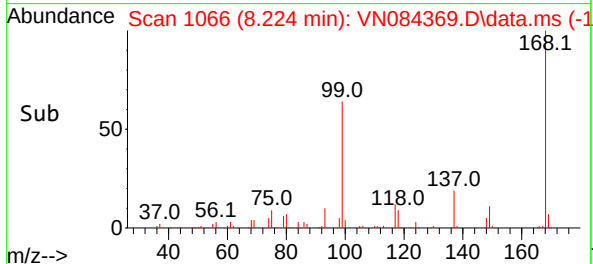
Instrument :
MSVOA_N
ClientSampleId :
24-B



Tgt Ion:168 Resp: 199702
Ion Ratio Lower Upper
168 100
99 64.0 54.2 81.2

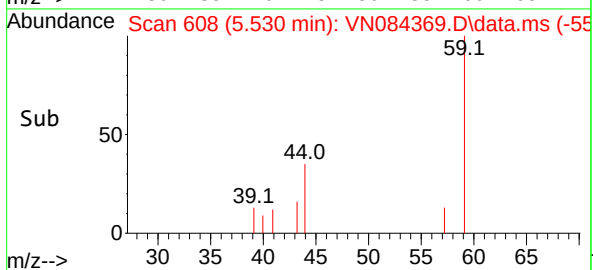
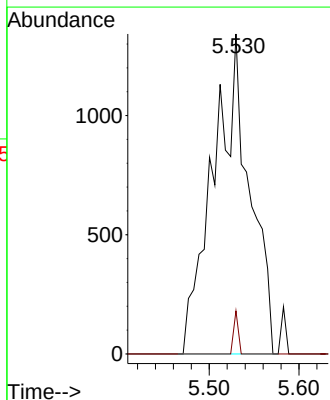
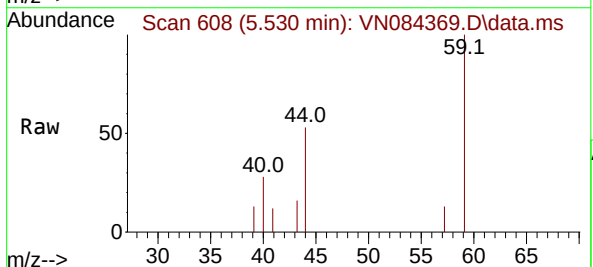
Manual Integrations
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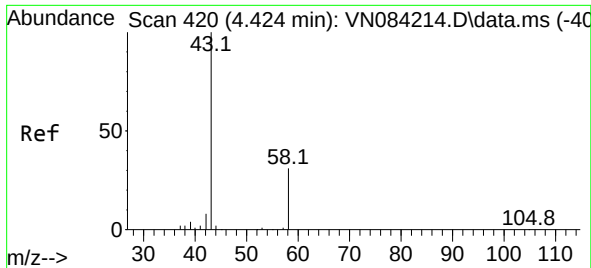
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#11
Tert butyl alcohol
Concen: 7.716 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Tgt Ion: 59 Resp: 3767
Ion Ratio Lower Upper
59 100
57 1.7 8.2 12.2#





#16

Acetone

Concen: 25.345 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084369.D

Acq: 09 Oct 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

24-B

Tgt Ion: 43 Resp: 32238

Ion Ratio Lower Upper

43 100

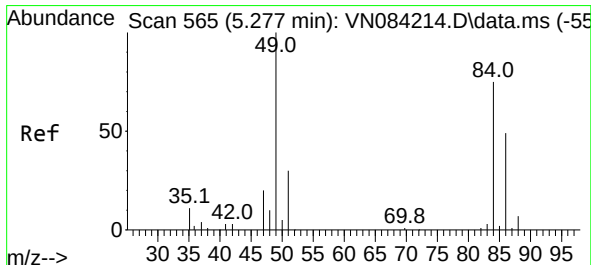
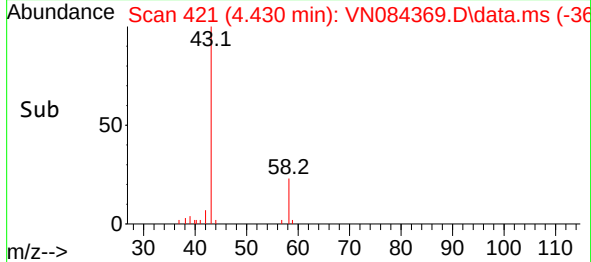
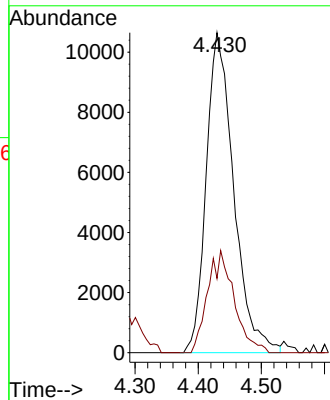
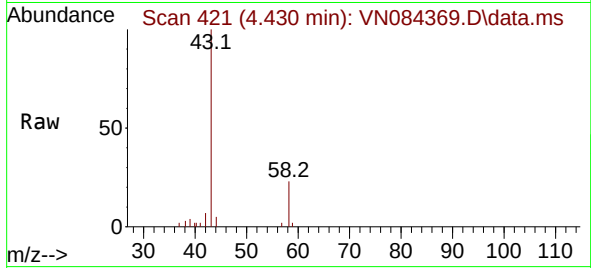
58 23.2 24.4 36.6

Manual Integrations

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#20

Methylene Chloride

Concen: 2.456 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN084369.D

Acq: 09 Oct 2024 15:56

Tgt Ion: 84 Resp: 6351

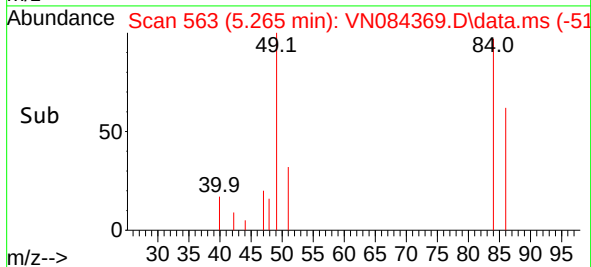
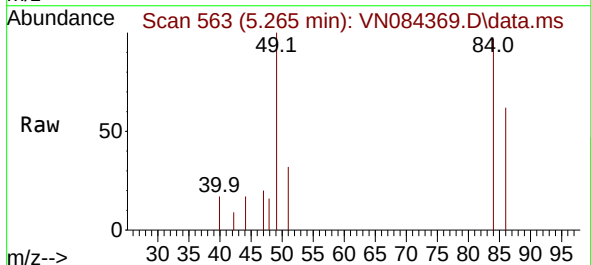
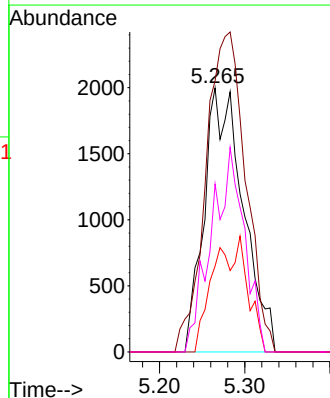
Ion Ratio Lower Upper

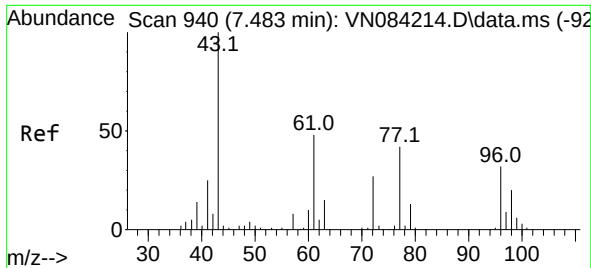
84 100

49 102.7 107.2 160.8

51 32.5 31.8 47.8

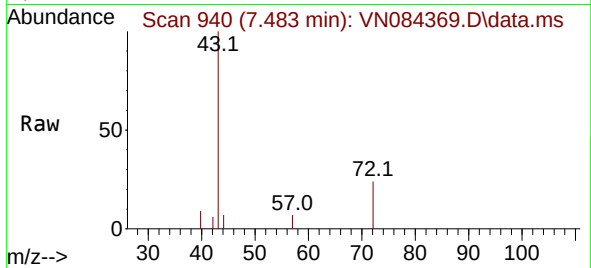
86 63.6 52.9 79.3





#25
2-Butanone
Concen: 6.001 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

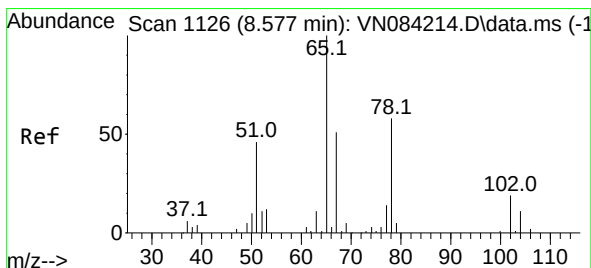
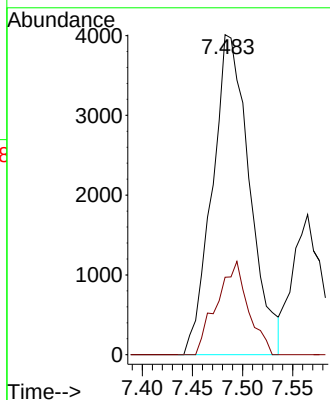
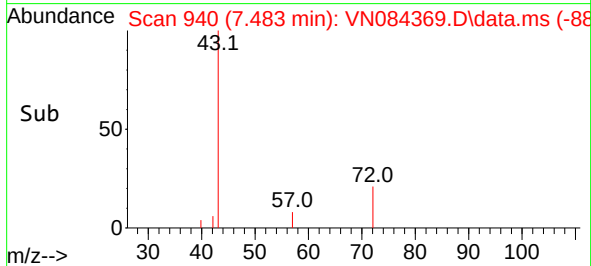
Instrument :
MSVOA_N
ClientSampleId :
24-B



Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
72 24.2 21.4 32.2

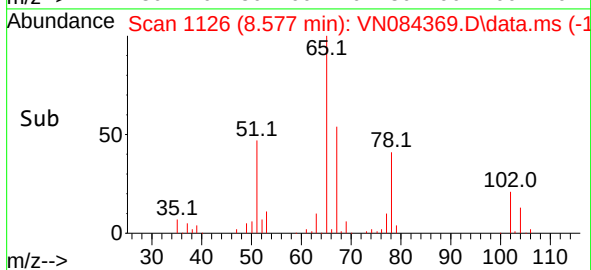
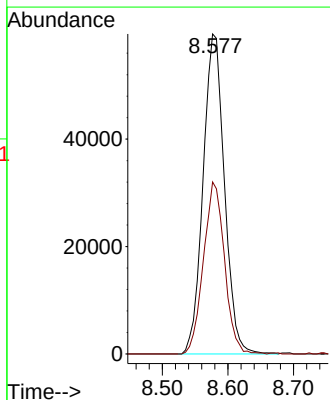
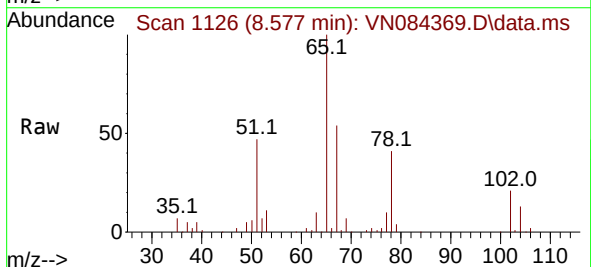
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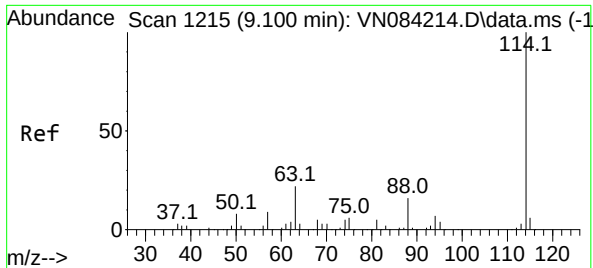
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#33
1,2-Dichloroethane-d4
Concen: 45.638 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Tgt Ion: 65 Resp: 135132
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.0





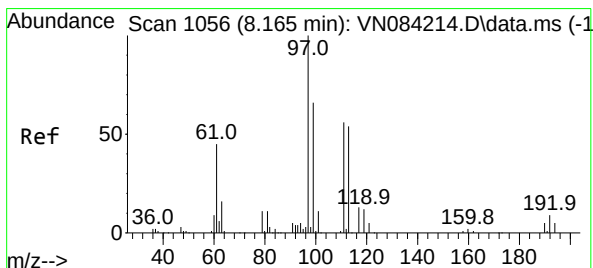
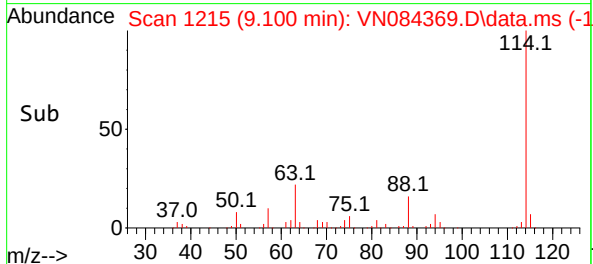
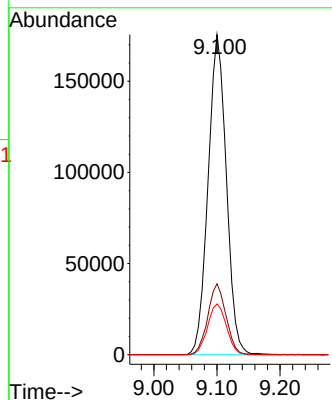
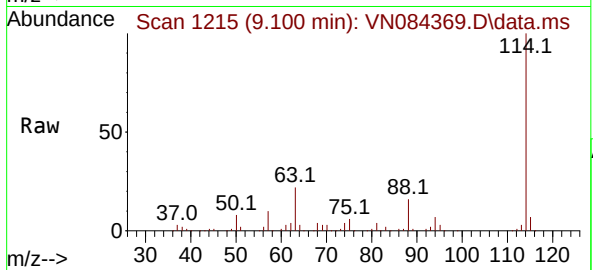
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
24-B

Tgt Ion:114 Resp: 352800
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.8
88 15.9 0.0 31.6

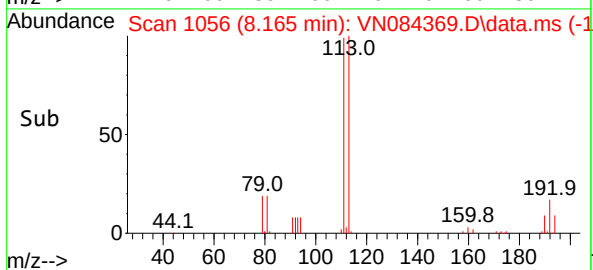
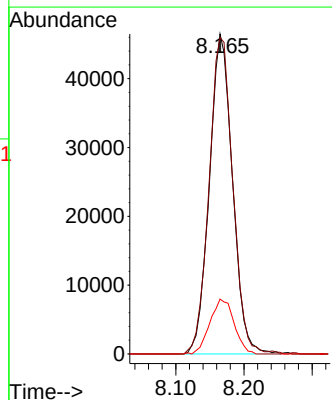
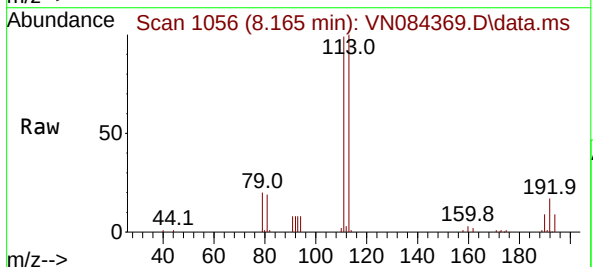
Manual Integrations
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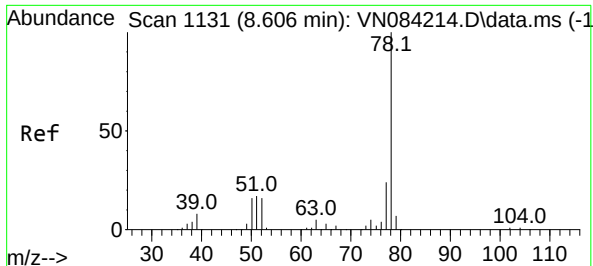
Reviewed By :John Carlone 10/10/2024
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#35
Dibromofluoromethane
Concen: 47.082 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Tgt Ion:113 Resp: 109506
Ion Ratio Lower Upper
113 100
111 101.5 83.3 124.9
192 18.0 13.5 20.3





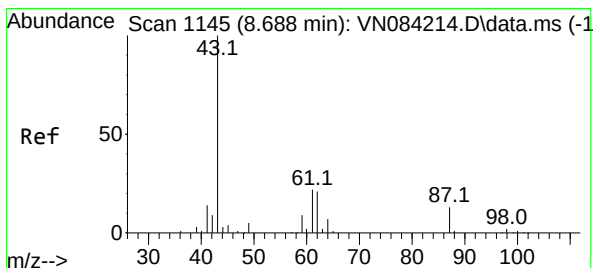
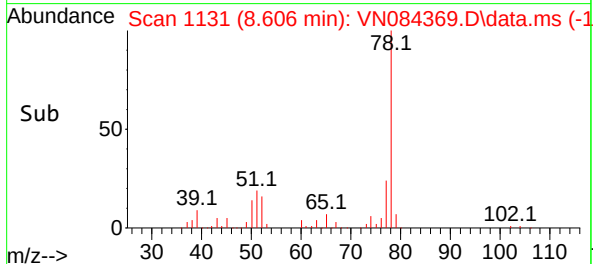
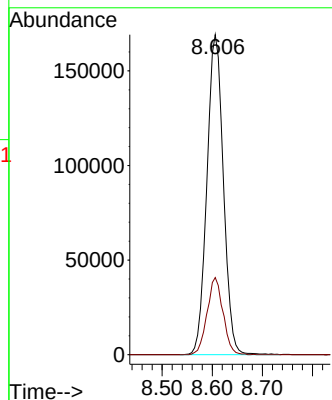
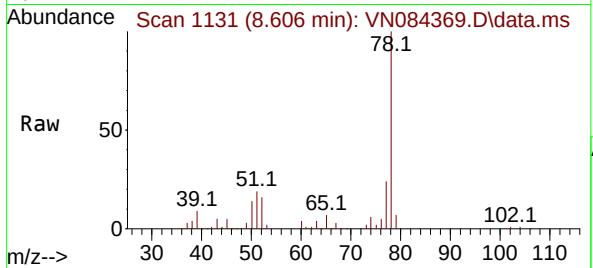
#40
Benzene
Concen: 36.693 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
24-B

Tgt Ion: 78 Resp: 38623
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

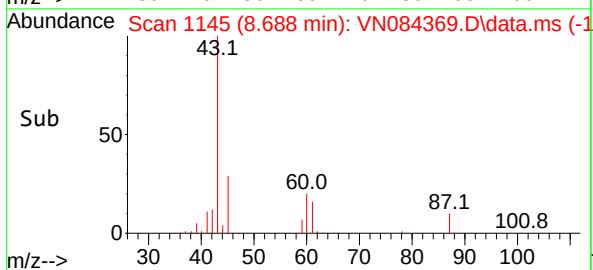
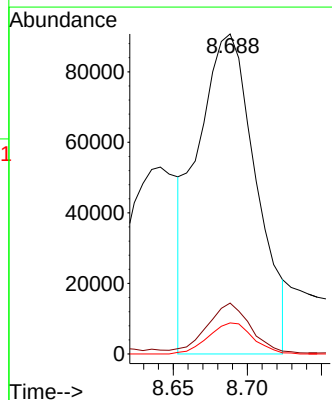
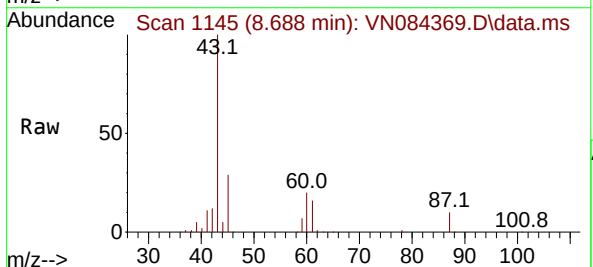
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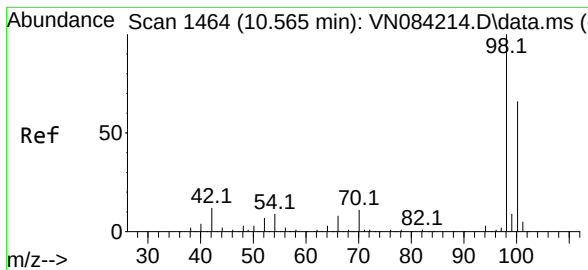
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#43
Isopropyl Acetate
Concen: 36.955 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

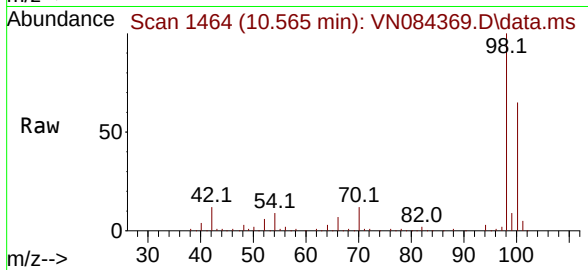
Tgt Ion: 43 Resp: 250879
Ion Ratio Lower Upper
43 100
61 11.3 20.4 30.6#
87 7.3 10.3 15.5#





#50
Toluene-d8
Concen: 49.769 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

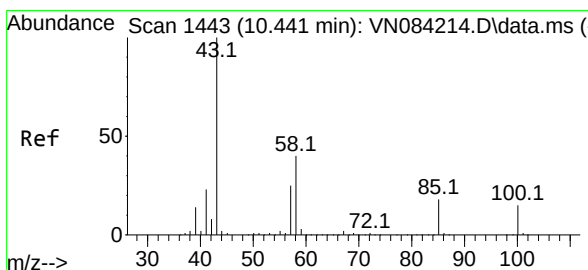
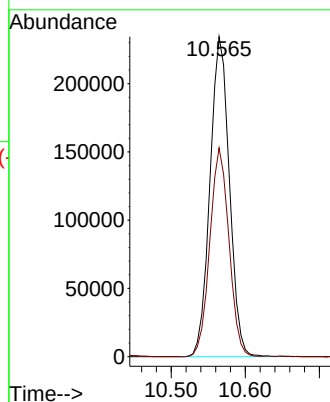
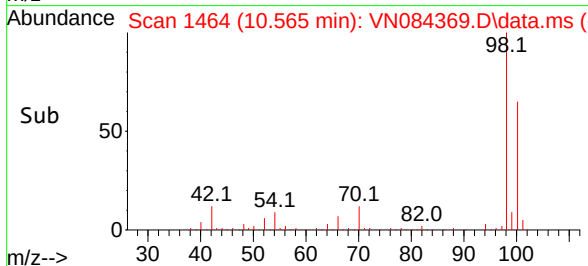
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ClientSampleId :
24-B



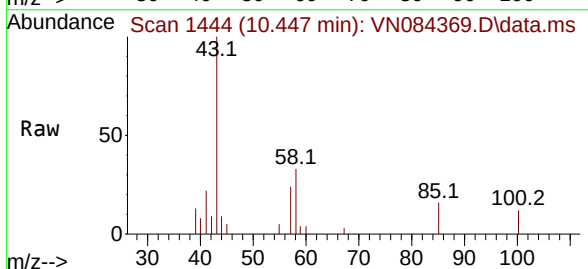
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Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1

Manual Integrations
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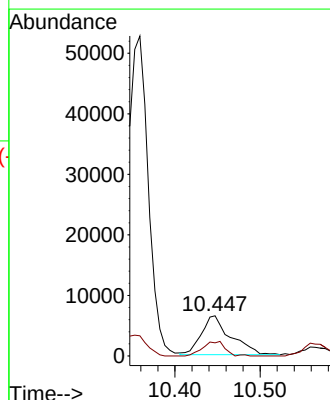
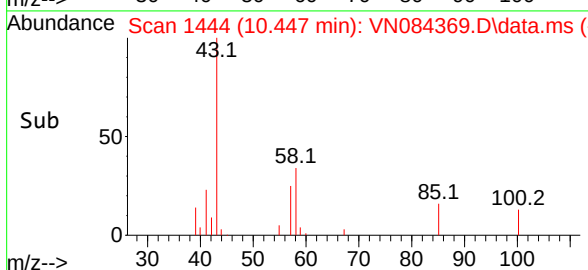
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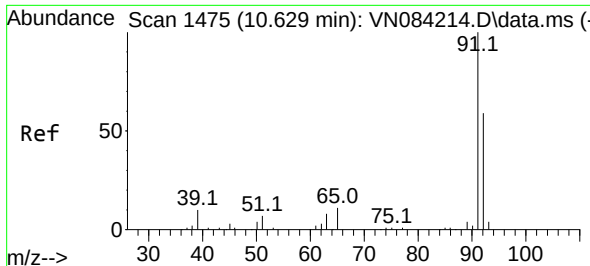


#51
4-Methyl-2-Pentanone
Concen: 4.631 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56



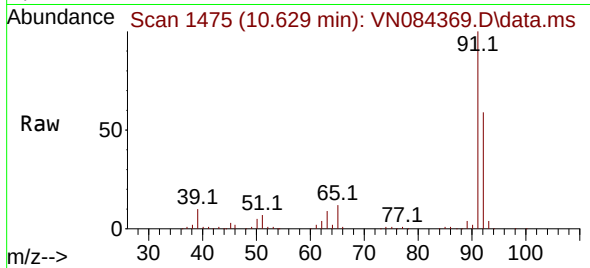
Tgt Ion: 43 Resp: 15279
Ion Ratio Lower Upper
43 100
58 28.4 31.6 47.4#





#52
Toluene
Concen: 40.171 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

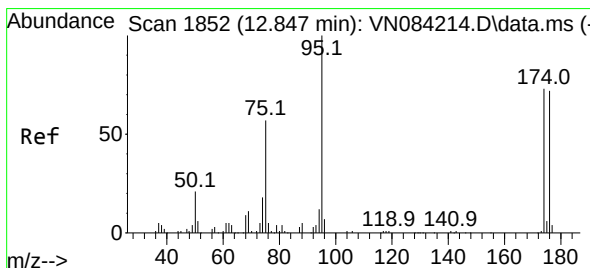
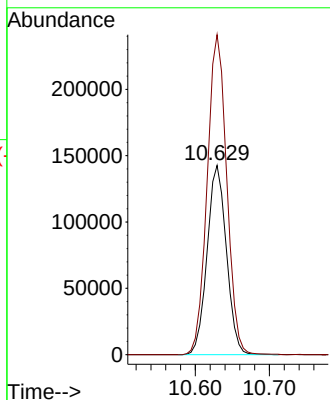
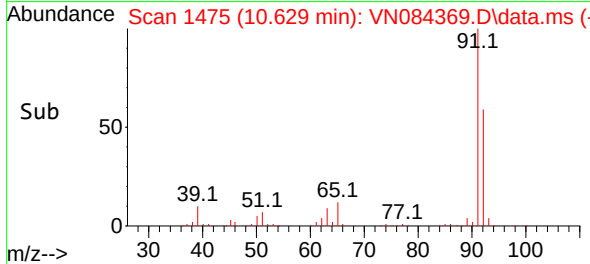
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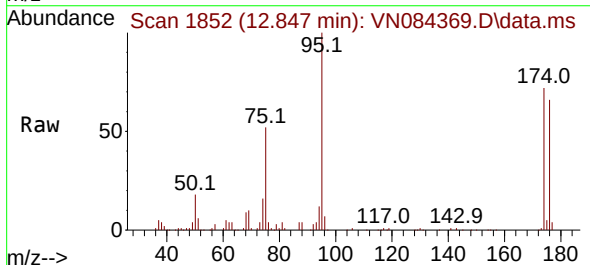
Tgt Ion: 92 Resp: 25785
Ion Ratio Lower Upper
92 100
91 171.5 137.3 205.9

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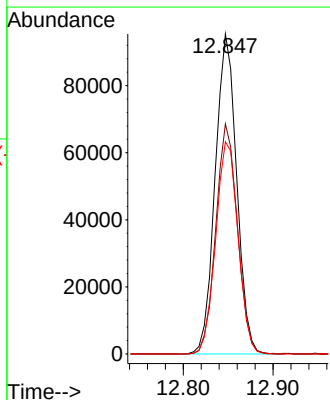
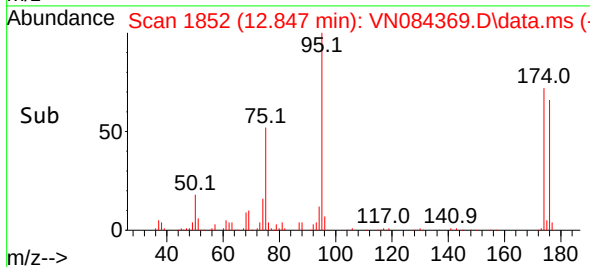
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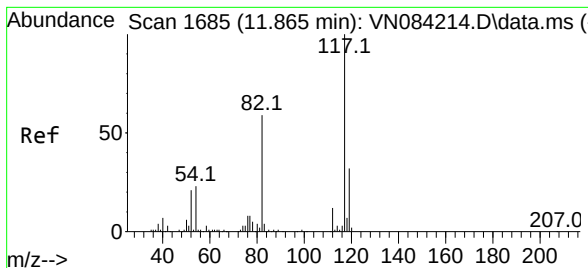


#62
4-Bromofluorobenzene
Concen: 50.788 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56



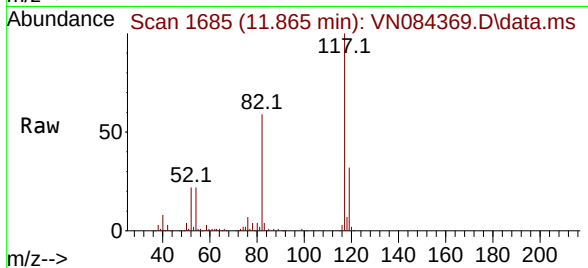
Tgt Ion: 95 Resp: 158330
Ion Ratio Lower Upper
95 100
174 72.2 0.0 145.2
176 69.1 0.0 140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

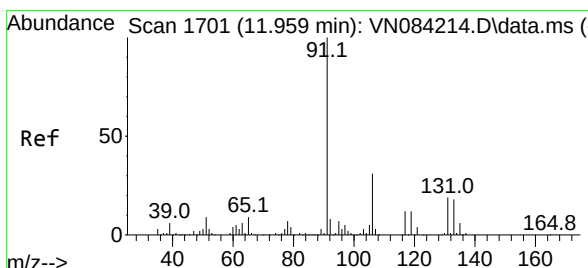
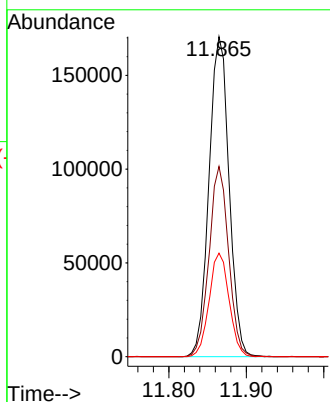
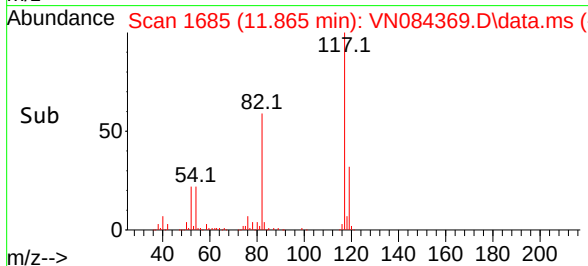
Instrument :
MSVOA_N
ClientSampleId :
24-B



Tgt Ion:117 Resp: 30679
Ion Ratio Lower Upper
117 100
82 59.4 47.2 70.8
119 32.4 25.4 38.0

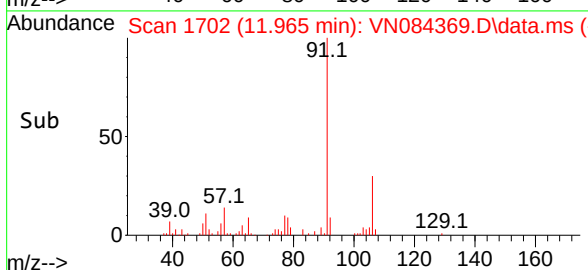
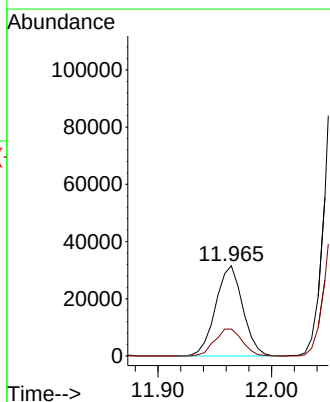
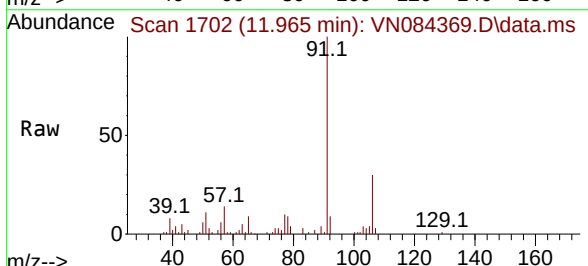
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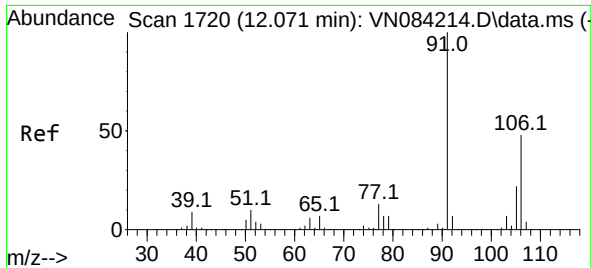
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#67
Ethyl Benzene
Concen: 4.341 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Tgt Ion: 91 Resp: 52222
Ion Ratio Lower Upper
91 100
106 29.7 24.5 36.7





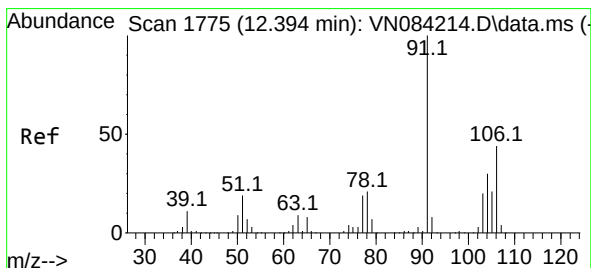
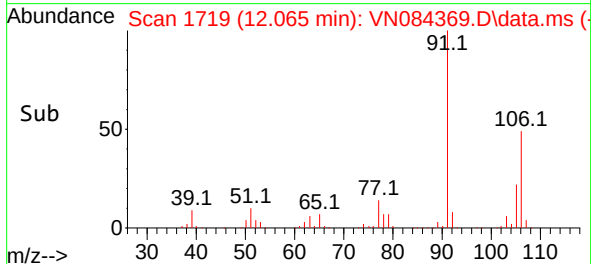
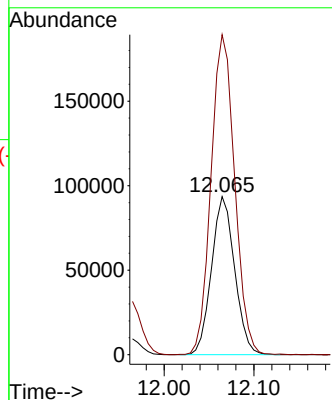
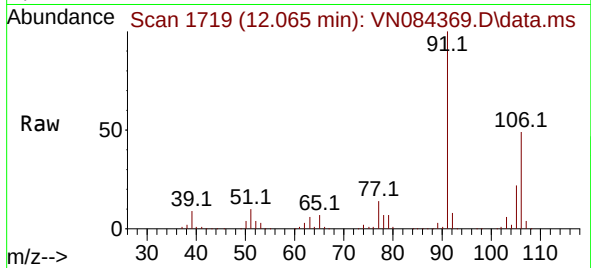
#68
m/p-Xylenes
Concen: 37.574 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
24-B

Tgt Ion:106 Resp: 167198
Ion Ratio Lower Upper
106 100
91 207.4 167.1 250.7

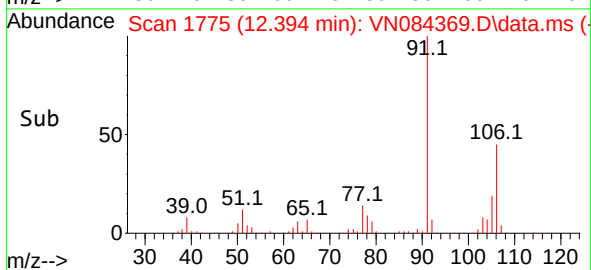
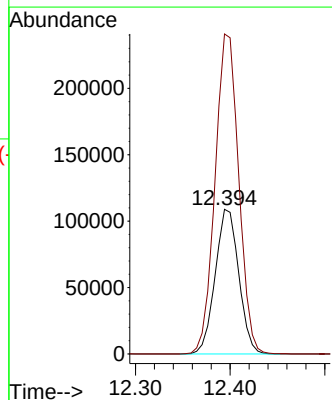
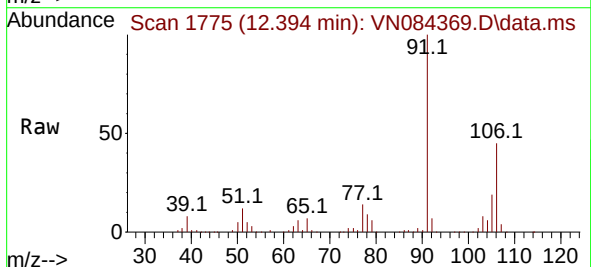
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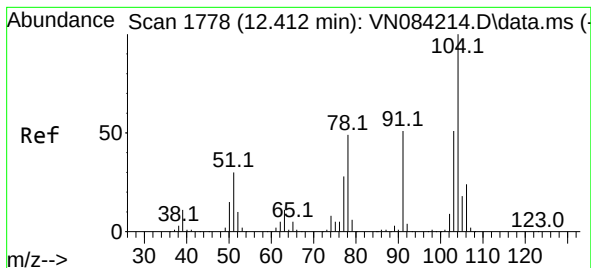
Reviewed By :John Carlone 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



#69
o-Xylene
Concen: 44.698 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN084369.D
Acq: 09 Oct 2024 15:56

Tgt Ion:106 Resp: 188183
Ion Ratio Lower Upper
106 100
91 222.4 110.2 330.6





#70

Styrene

Concen: 8.127 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084369.D

Acq: 09 Oct 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

24-B

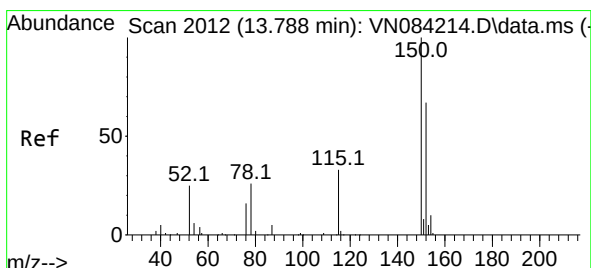
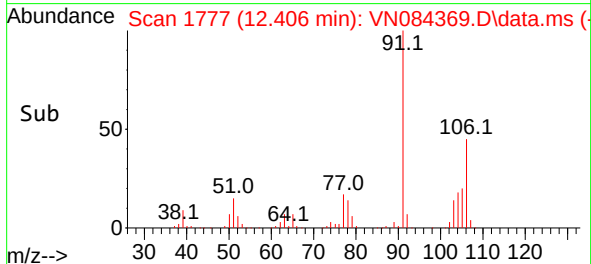
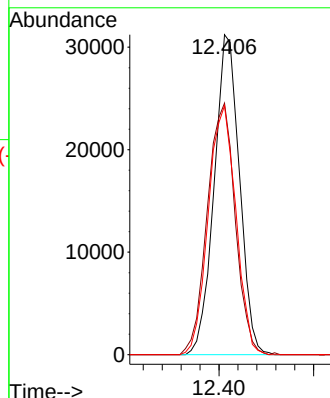
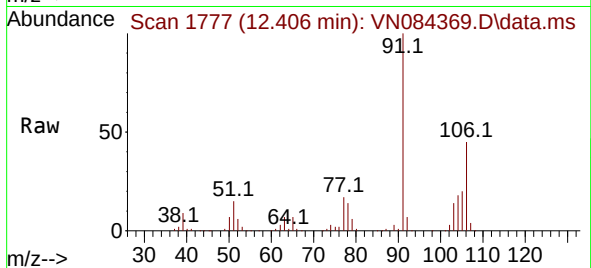
Tgt Ion:104 Resp: 5795
 Ion Ratio Lower Upper
 104 100
 78 86.9 42.7 64.1
 103 84.7 43.6 65.4

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Reviewed By :John Carlone 10/10/2024

Supervised By :Mahesh Dadoda 10/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

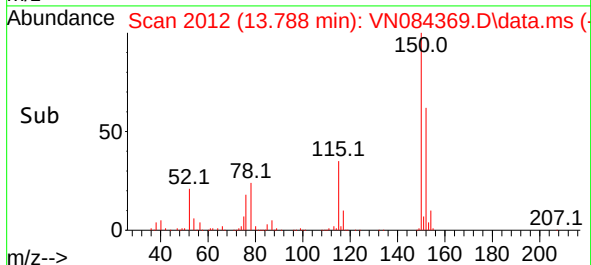
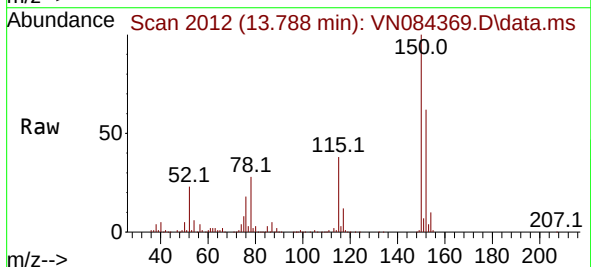
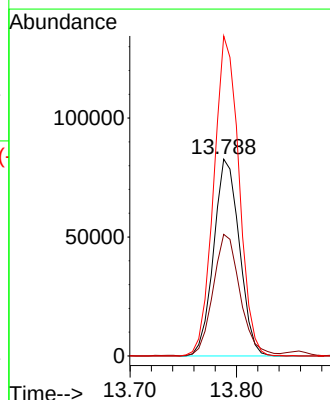
RT: 13.788 min Scan# 2012

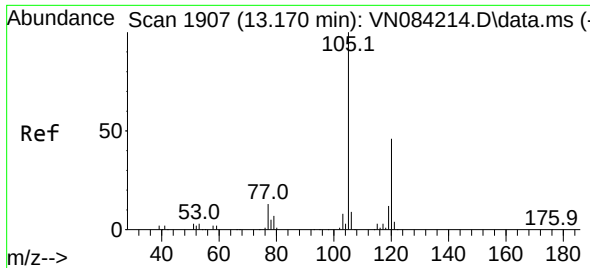
Delta R.T. -0.000 min

Lab File: VN084369.D

Acq: 09 Oct 2024 15:56

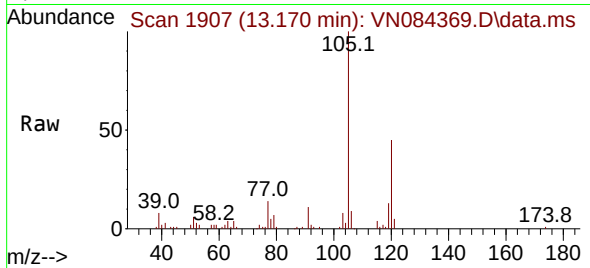
Tgt Ion:152 Resp: 138603
 Ion Ratio Lower Upper
 152 100
 115 65.4 31.3 93.9
 150 159.5 0.0 349.8





#80
 1,3,5-Trimethylbenzene
 Concen: 8.426 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN084369.D
 Acq: 09 Oct 2024 15:56

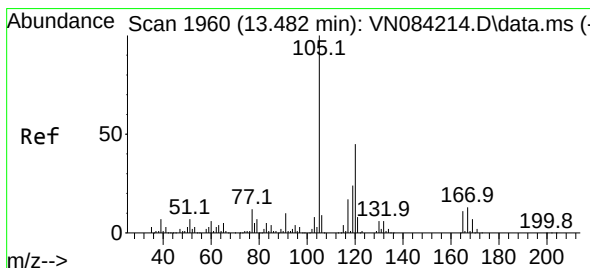
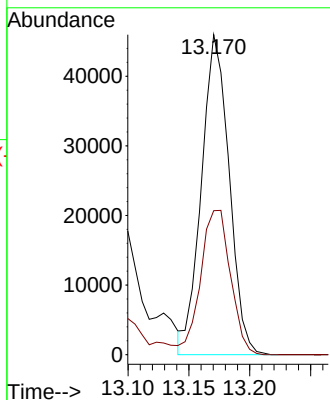
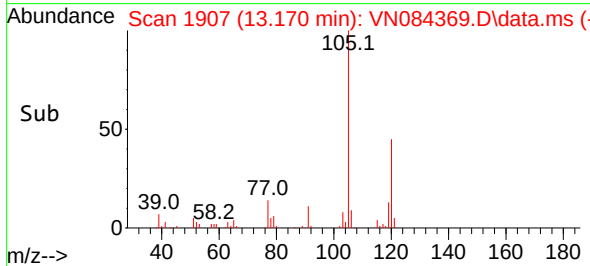
Instrument :
 MSVOA_N
 ClientSampleId :
 24-B



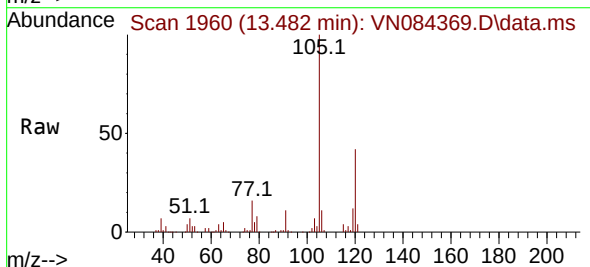
Tgt Ion:105 Resp: 7269
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.7 71.1

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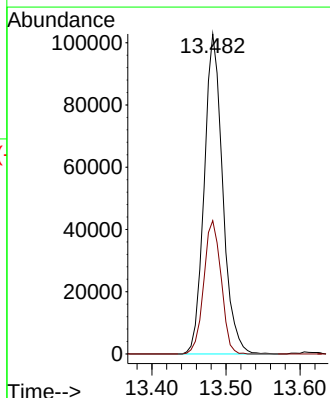
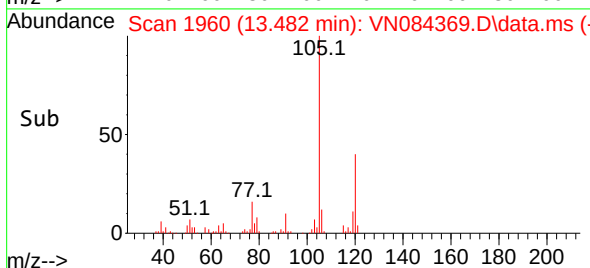
Reviewed By :John Carlone 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

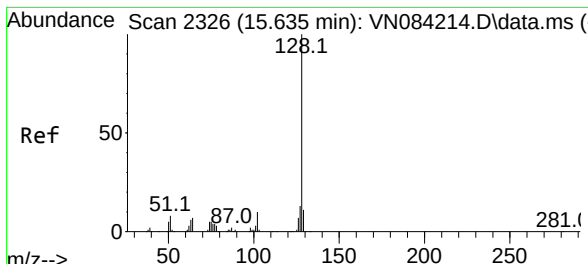


#84
 1,2,4-Trimethylbenzene
 Concen: 20.512 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN084369.D
 Acq: 09 Oct 2024 15:56



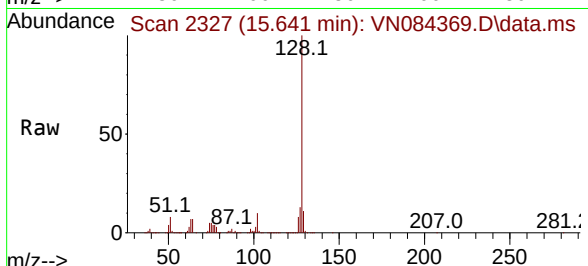
Tgt Ion:105 Resp: 178278
 Ion Ratio Lower Upper
 105 100
 120 39.0 22.3 66.8





#95
 Naphthalene
 Concen: 1210.229 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084369.D
 Acq: 09 Oct 2024 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 24-B



Tgt Ion:128 Resp: 927416

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1

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

