

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
 Data File : VN078817.D
 Acq On : 09 Aug 2023 13:55
 Operator : JC\MD
 Sample : 03940-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUNE)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 05:28:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.830	128	29513m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	156188	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	135257	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	71306	30.010	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	100.033%	
60) 4-Bromofluorobenzene	12.859	95	43617	22.974	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	76.567%	
63) Toluene-d8	10.577	98	191954	28.961	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	96.533%	
Target Compounds						Qvalue
15) Acetone	4.442	58	116690	481.120	ug/l	72
25) Chloroform	7.977	83	3709m	1.016	ug/l	
30) 2-Butanone	7.500	43	28934	23.264	ug/l	95
58) 4-Methyl-2-Pentanone	10.453	43	5146	1.979	ug/l #	83
62) Toluene	10.635	91	1344005	168.780	ug/l	98
82) p-Isopropyltoluene	13.735	119	4360	0.856	ug/l	76

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

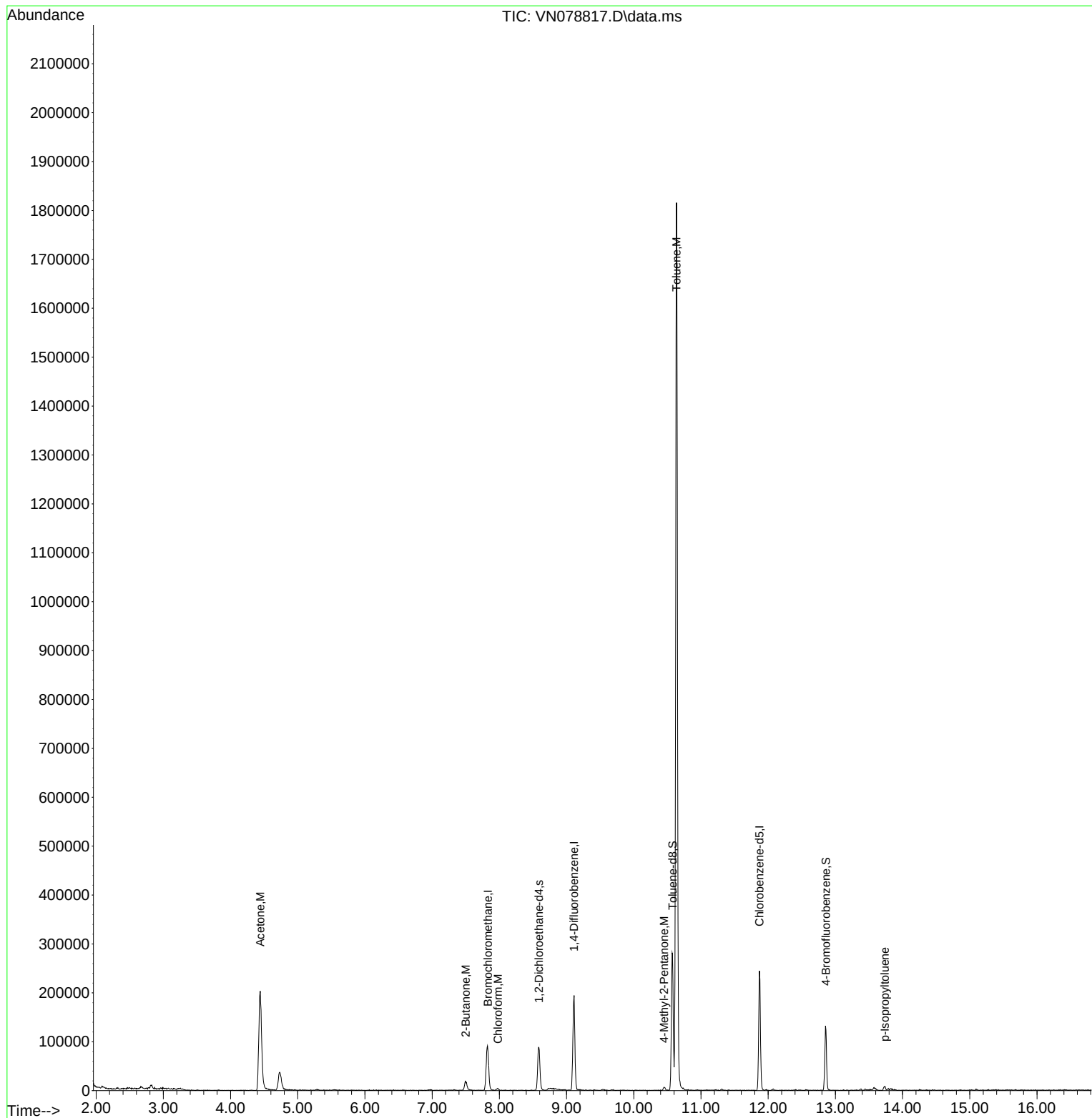
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
Data File : VN078817.D
Acq On : 09 Aug 2023 13:55
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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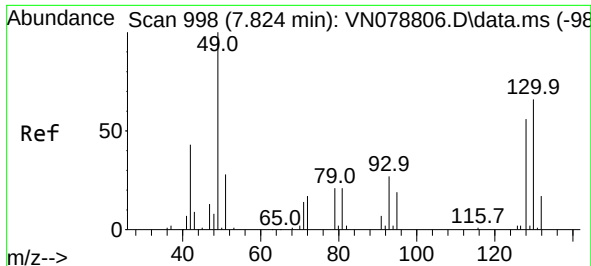
Instrument :
MSVOA_N
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002-35TH-AVE(JUNE)

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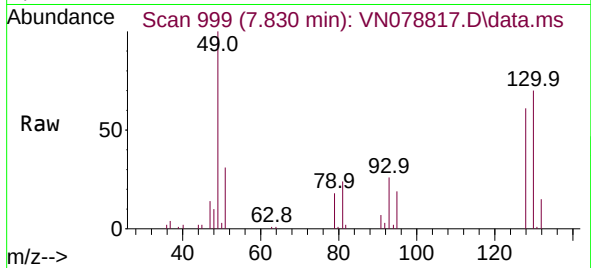
Quant Time: Aug 10 05:28:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 09 05:05:47 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN078817.D
Acq: 09 Aug 2023 13:55

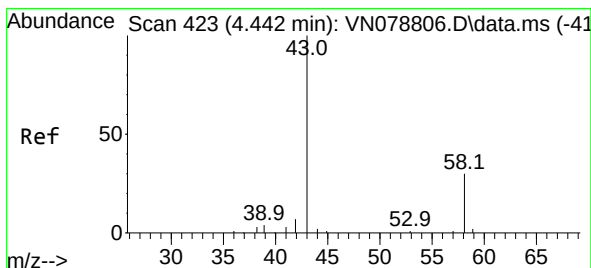
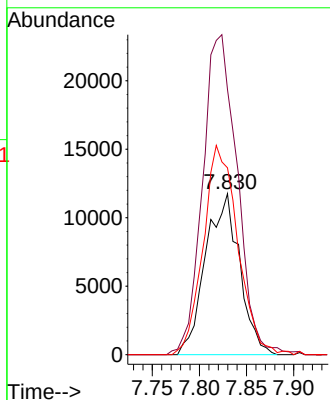
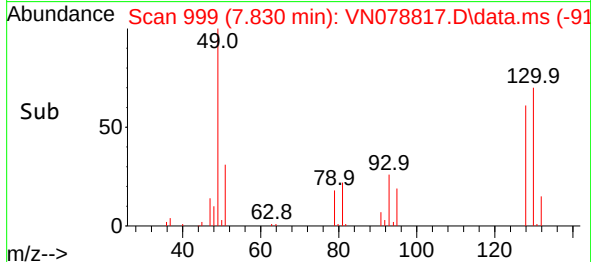
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)



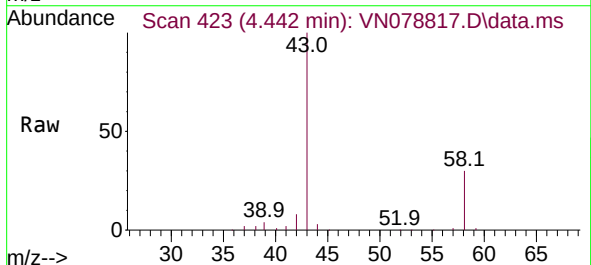
Tgt Ion:128 Resp: 2951
Ion Ratio Lower Upper
128 100
49 200.4 0.0 370.8
130 131.4 0.0 307.0

Manual Integrations
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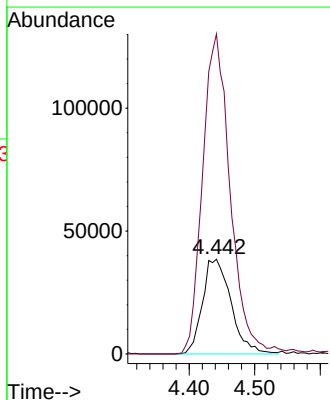
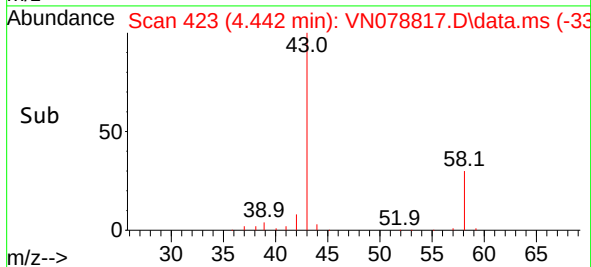
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

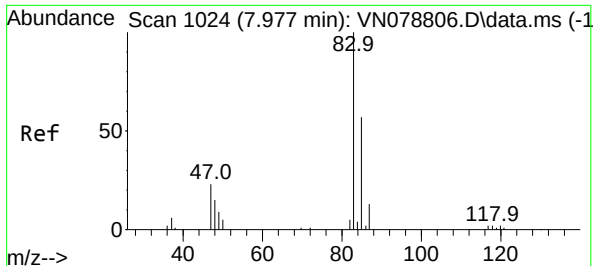


#15
Acetone
Concen: 481.120 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078817.D
Acq: 09 Aug 2023 13:55



Tgt Ion: 58 Resp: 116690
Ion Ratio Lower Upper
58 100
43 337.4 227.5 341.3





#25

Chloroform

Concen: 1.016 ug/l m

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN078817.D

Acq: 09 Aug 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion: 83 Resp: 3709

Ion Ratio Lower Upper

83 100

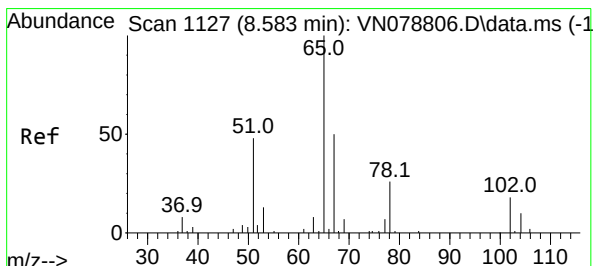
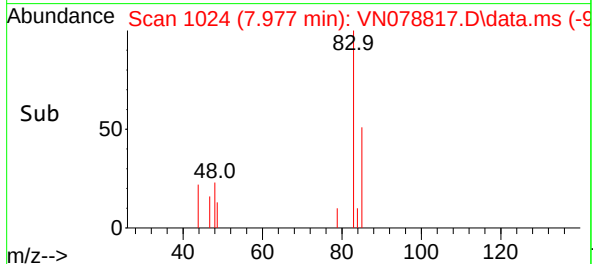
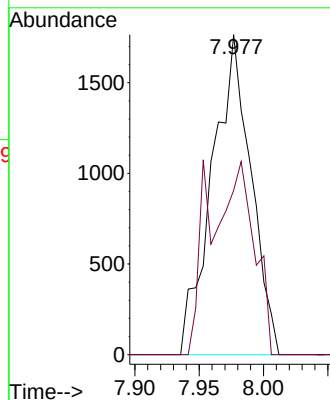
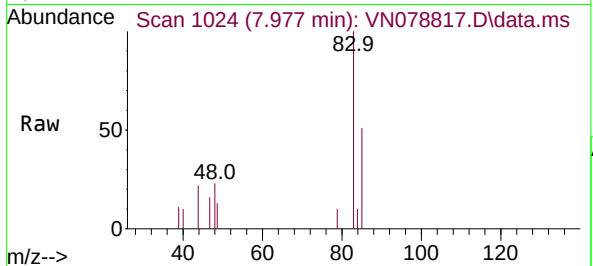
85 51.3 53.4 80.0

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 30.010 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078817.D

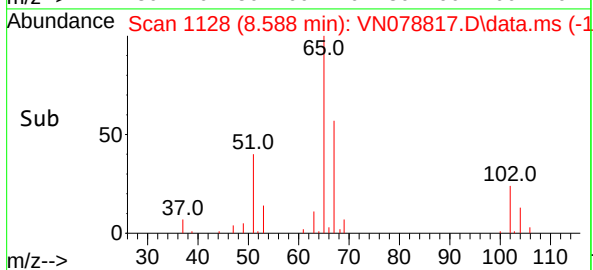
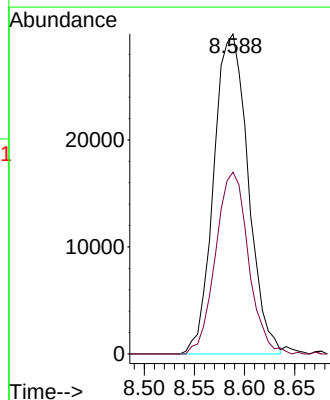
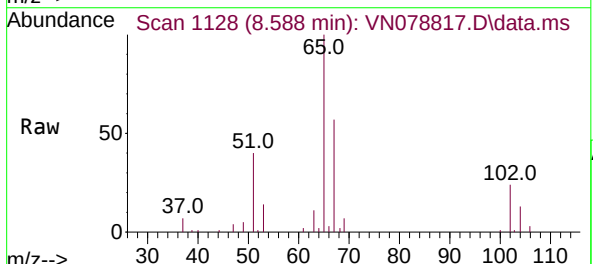
Acq: 09 Aug 2023 13:55

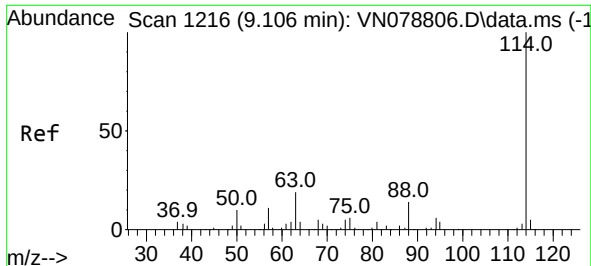
Tgt Ion: 65 Resp: 71306

Ion Ratio Lower Upper

65 100

67 54.2 42.9 64.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN078817.D

Acq: 09 Aug 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion:114 Resp: 15618

Ion Ratio Lower Upper

114 100

63 22.0 15.2 22.8

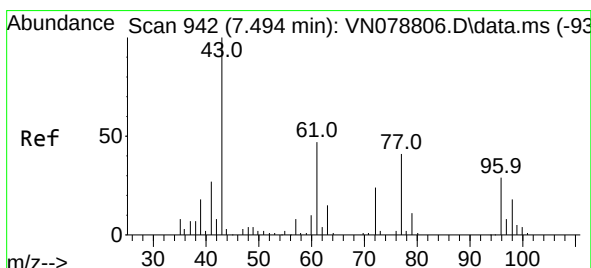
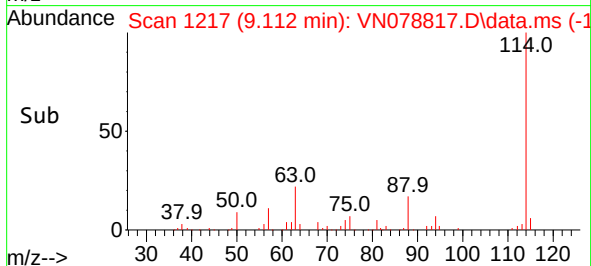
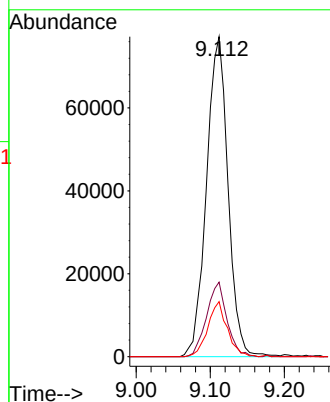
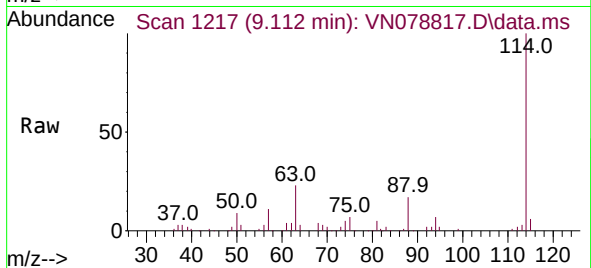
88 15.6 12.5 18.7

Manual Integrations

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Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#30

2-Butanone

Concen: 23.264 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.006 min

Lab File: VN078817.D

Acq: 09 Aug 2023 13:55

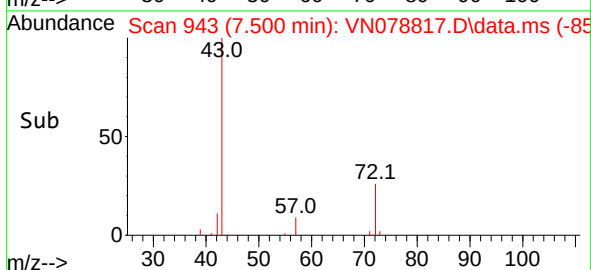
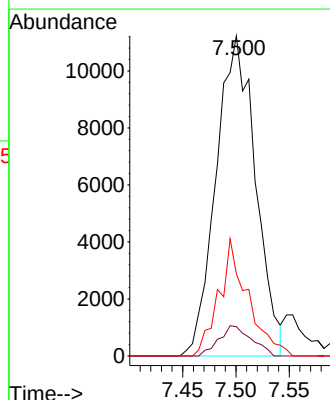
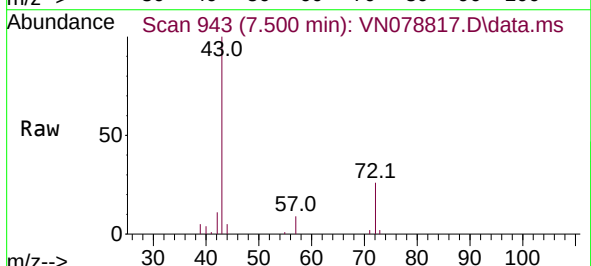
Tgt Ion: 43 Resp: 28934

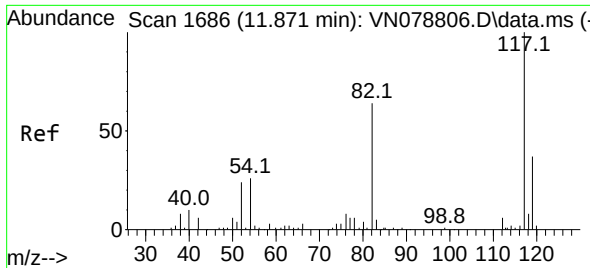
Ion Ratio Lower Upper

43 100

57 7.8 6.8 10.2

72 26.8 23.8 35.6





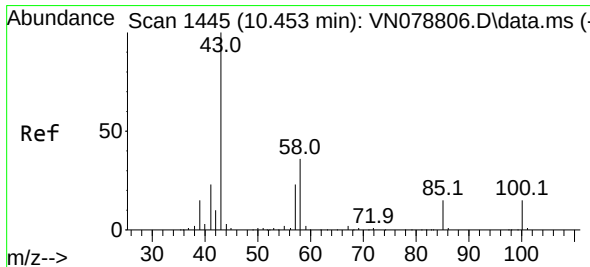
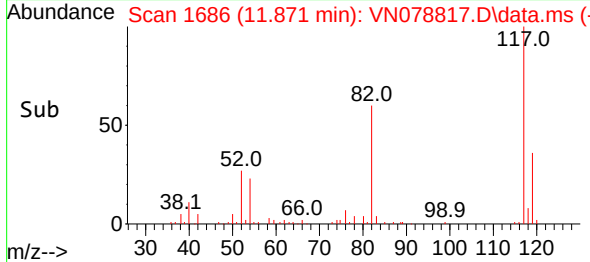
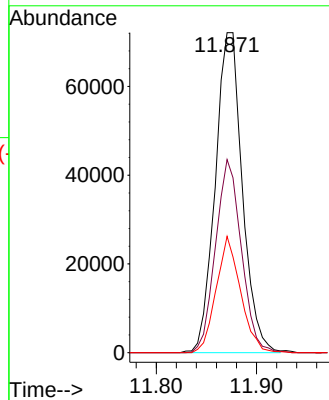
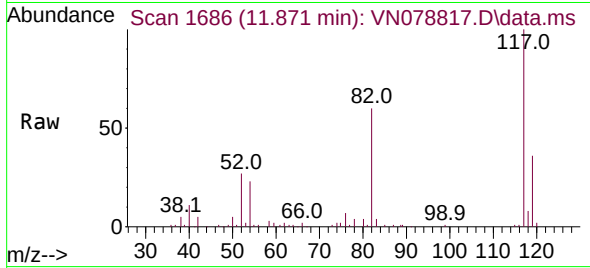
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078817.D
Acq: 09 Aug 2023 13:55

Instrument :
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ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:117 Resp: 13525
Ion Ratio Lower Upper
117 100
82 57.5 43.9 65.9
119 32.7 26.2 39.4

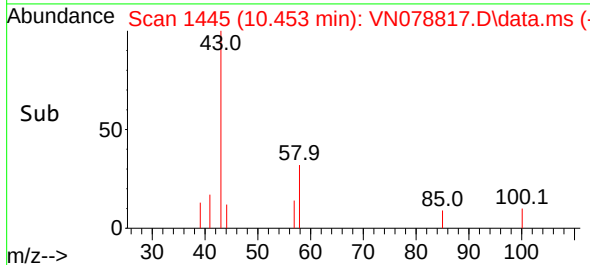
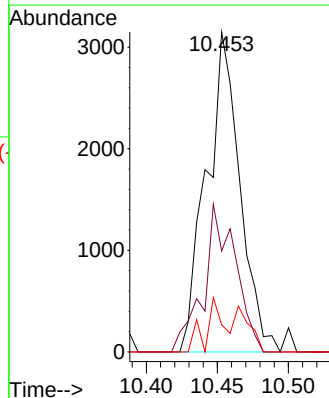
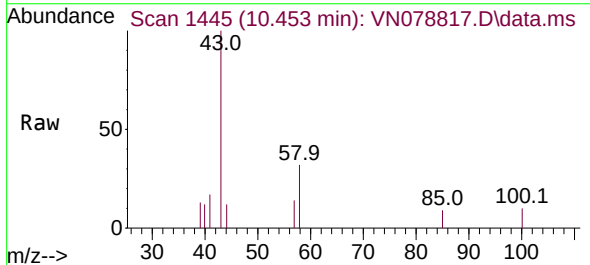
Manual Integrations
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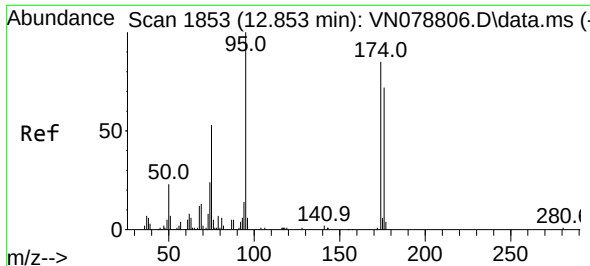
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#58
4-Methyl-2-Pentanone
Concen: 1.979 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078817.D
Acq: 09 Aug 2023 13:55

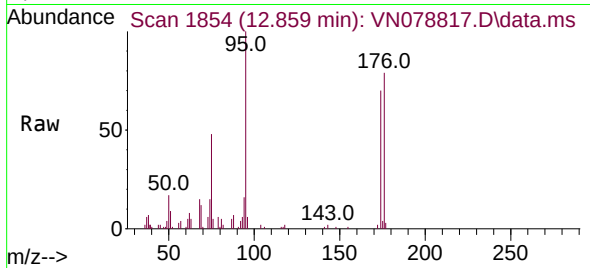
Tgt Ion: 43 Resp: 5146
Ion Ratio Lower Upper
43 100
58 34.3 32.6 48.8
85 6.8 16.2 24.2#





#60
4-Bromofluorobenzene
Concen: 22.974 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078817.D
Acq: 09 Aug 2023 13:55

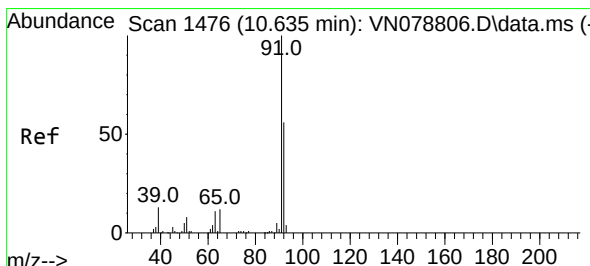
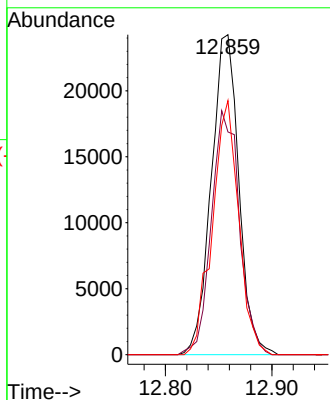
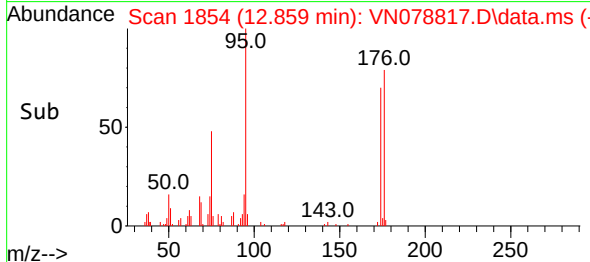
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)



Tgt Ion: 95 Resp: 4361
Ion Ratio Lower Upper
95 100
174 77.4 61.7 92.5
176 75.8 58.1 87.1

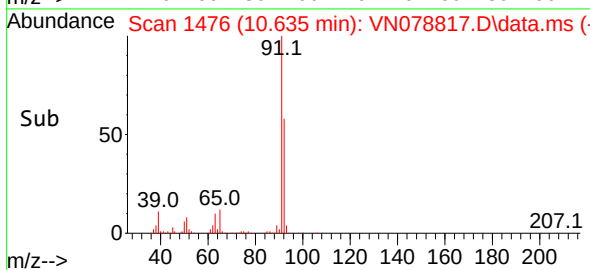
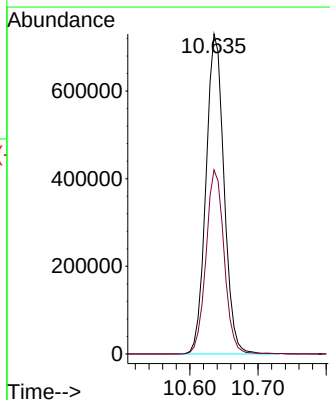
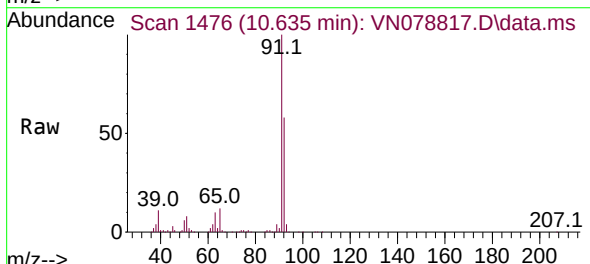
Manual Integrations
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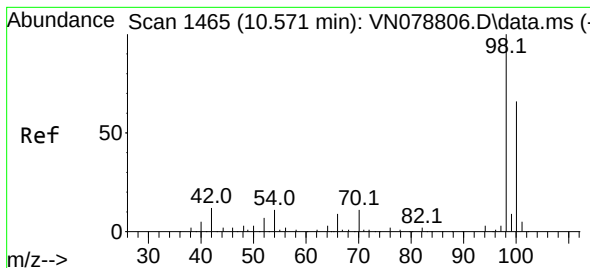
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#62
Toluene
Concen: 168.780 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078817.D
Acq: 09 Aug 2023 13:55

Tgt Ion: 91 Resp: 1344005
Ion Ratio Lower Upper
91 100
92 57.7 45.2 67.8





#63

Toluene-d8

Concen: 28.961 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078817.D

Acq: 09 Aug 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion: 98 Resp: 191954

Ion Ratio Lower Upper

98 100

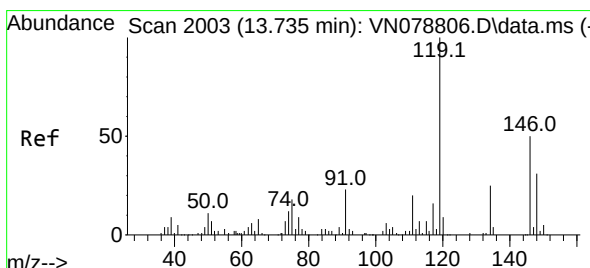
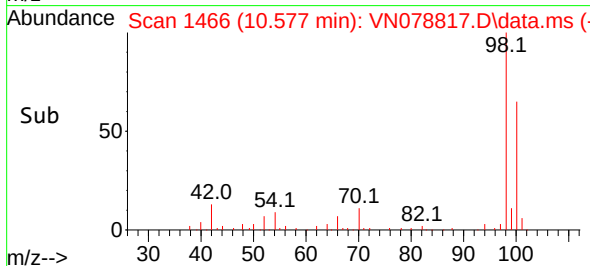
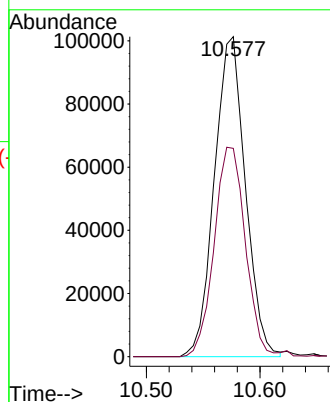
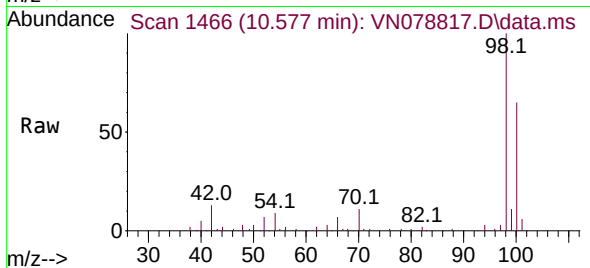
100 65.6 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#82

p-Isopropyltoluene

Concen: 0.856 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN078817.D

Acq: 09 Aug 2023 13:55

Tgt Ion:119 Resp: 4360

Ion Ratio Lower Upper

119 100

134 11.6 0.0 52.4

91 33.1 0.0 48.2

