

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084352.D
 Acq On : 08 Oct 2024 16:29
 Operator : JC\MD
 Sample : P4289-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-Waste Water

Quant Time: Oct 09 08:04:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2024
 Supervised By : Mahesh Dadoda 10/09/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	29829	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	168825	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	160891	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78053	32.502	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.333%			
60) 4-Bromofluorobenzene	12.847	95	76050	28.640	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.467%			
63) Toluene-d8	10.565	98	215643	28.932	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.433%			
Target Compounds					Qvalue	
13) Acrolein	4.183	56	2703m	6.258	ug/l	
15) Acetone	4.430	58	24614705	82486.421	ug/l #	3
20) Diisopropyl ether	6.671	45	87799	13.563	ug/l #	98
25) Chloroform	7.959	83	8609	2.288	ug/l	84
30) 2-Butanone	7.483	43	41259	27.962	ug/l	99
43) Ethyl Acetate	7.559	43	12689	4.360	ug/l #	87
44) Isopropyl Acetate	8.682	43	26680	5.601	ug/l #	84
58) 4-Methyl-2-Pentanone	10.441	43	4288	1.431	ug/l #	84
59) 2-Hexanone	11.194	43	11554	5.188	ug/l #	94
62) Toluene	10.629	91	3894	0.413	ug/l	94

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

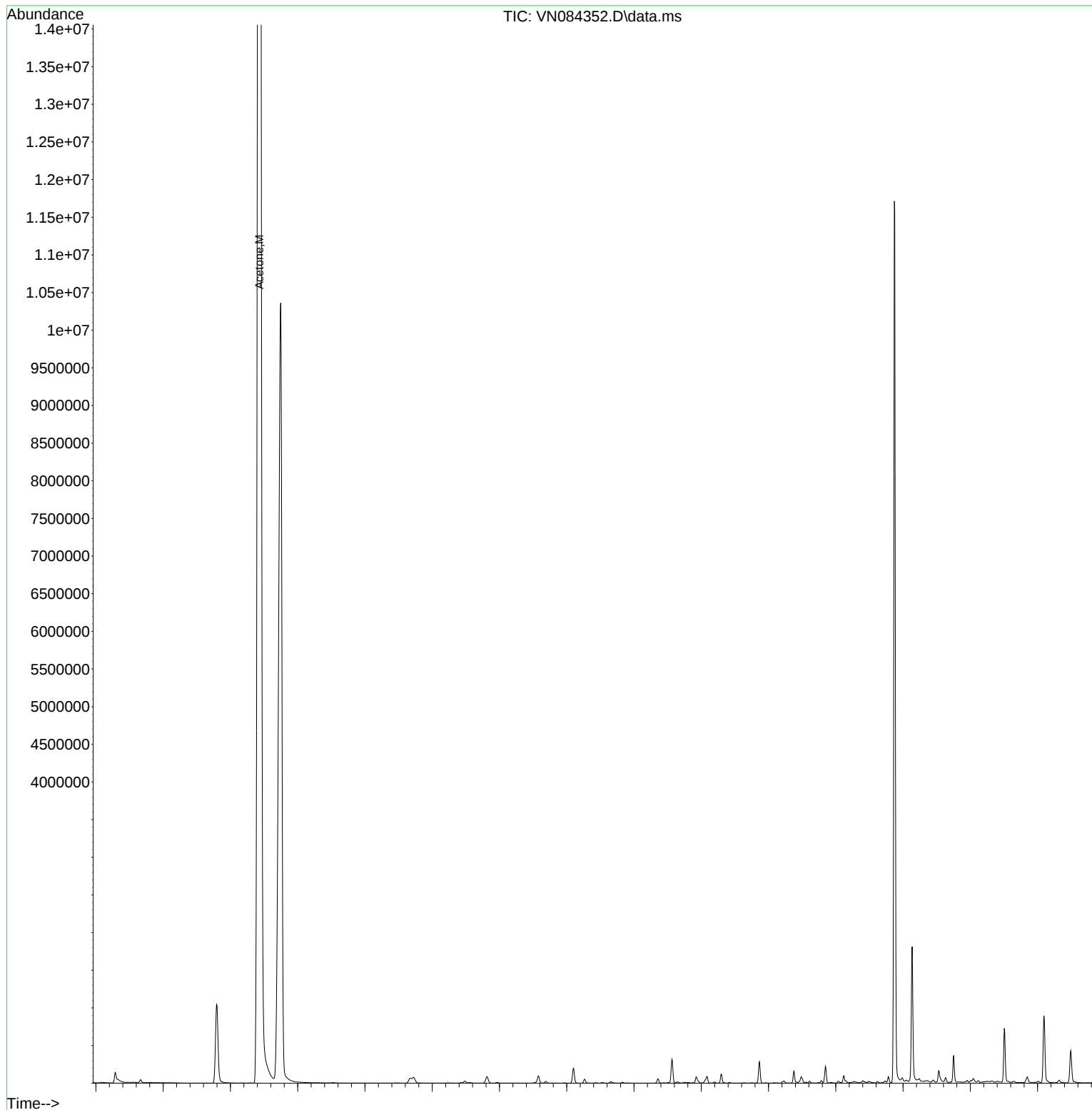
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084352.D
Acq On : 08 Oct 2024 16:29
Operator : JC\MD
Sample : P4289-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

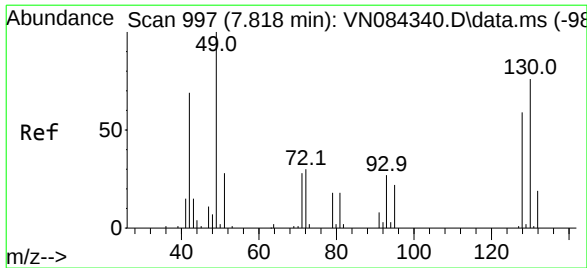
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

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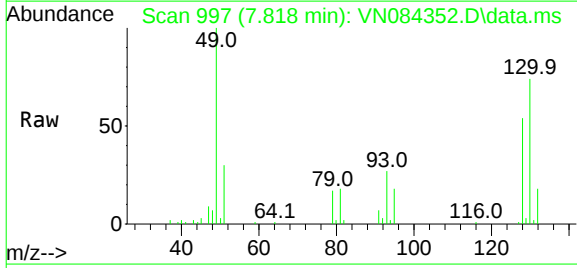
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

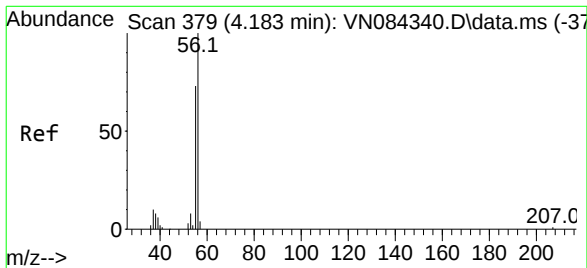
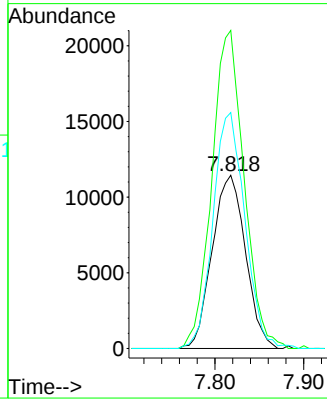
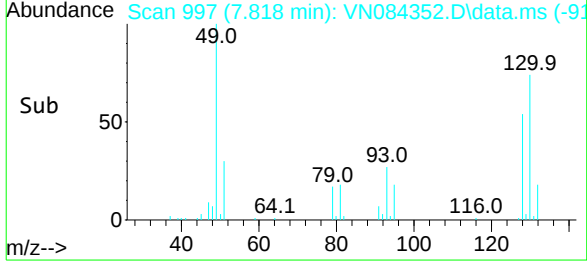
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water



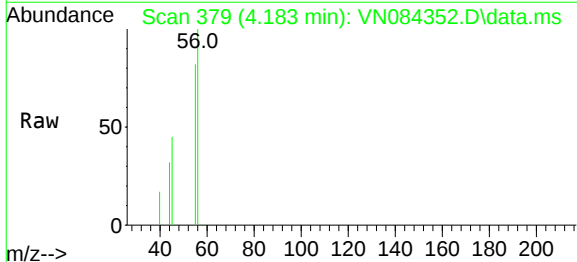
Tgt Ion: 128 Resp: 29829
Ion Ratio Lower Upper
128 100
49 177.7 0.0 430.0
130 129.9 0.0 329.8

Manual Integrations
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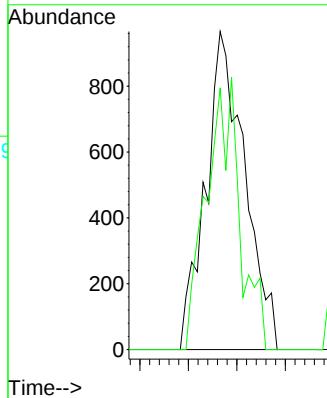
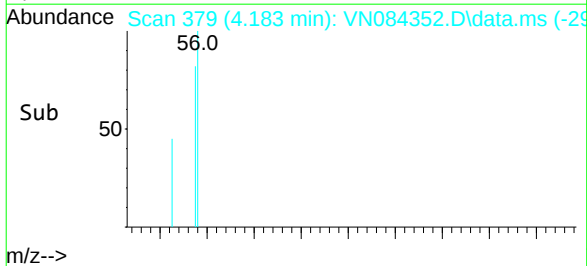
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

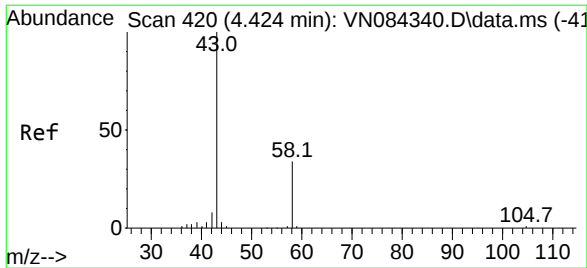


#13
Acrolein
Concen: 6.258 ug/l m
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29



Tgt Ion: 56 Resp: 2703
Ion Ratio Lower Upper
56 100
55 44.6 56.4 84.6#





#15

Acetone

Concen: 82486.421 ug/l

RT: 4.430 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN084352.D

Acq: 08 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

EFF-Waste Water

Tgt Ion: 58 Resp:24614705

Ion Ratio Lower Upper

58 100

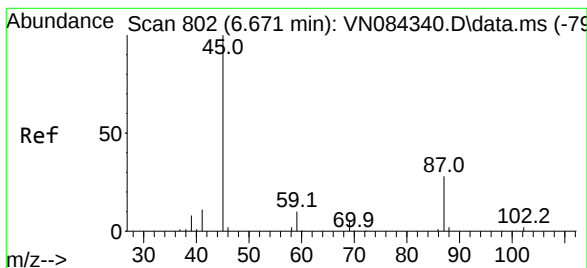
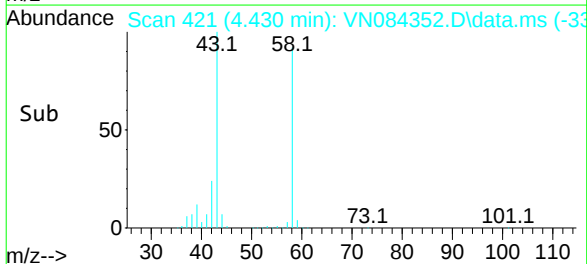
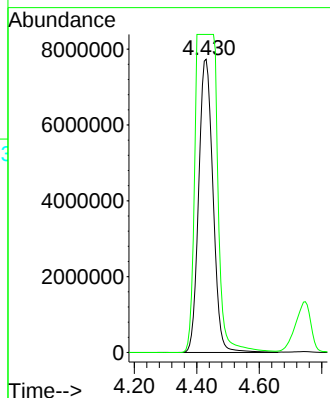
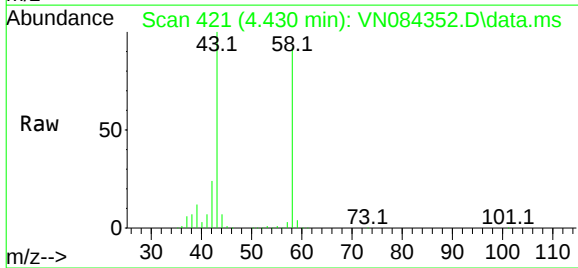
43 108.5 237.5 356.3#

Manual Integrations

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Reviewed By :John Carlone 10/09/2024

Supervised By :Mahesh Dadoda 10/09/2024



#20

Diisopropyl ether

Concen: 13.563 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.000 min

Lab File: VN084352.D

Acq: 08 Oct 2024 16:29

Tgt Ion: 45 Resp: 87799

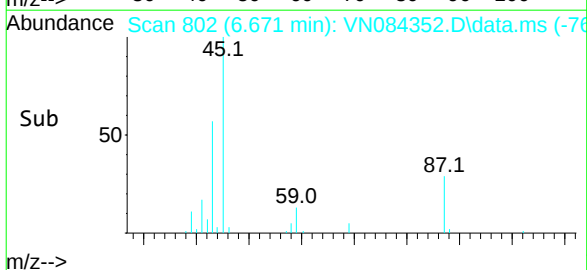
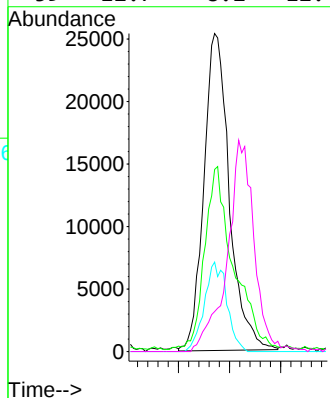
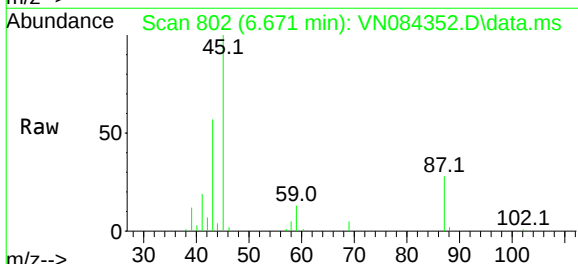
Ion Ratio Lower Upper

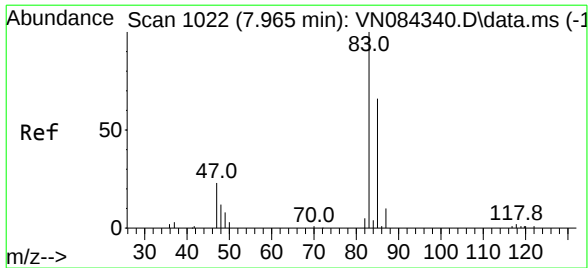
45 100

43 56.3 43.7 65.5

87 28.4 23.1 34.7

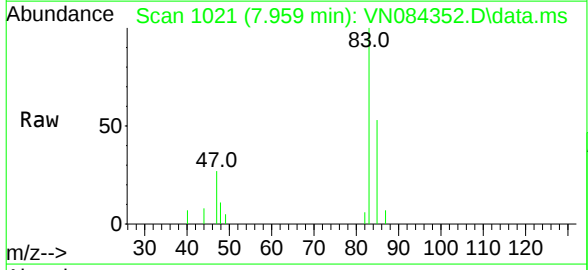
59 12.7 8.2 12.4#





#25
 Chloroform
 Concen: 2.288 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. -0.006 min
 Lab File: VN084352.D
 Acq: 08 Oct 2024 16:29

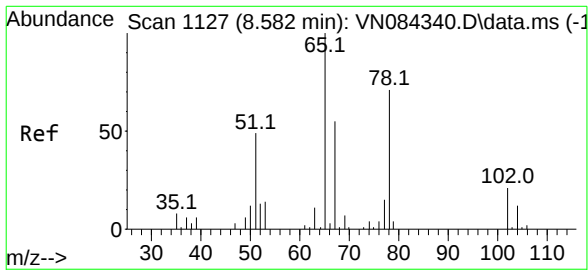
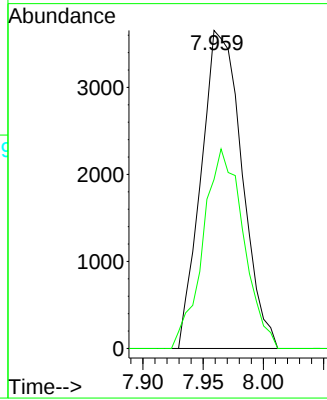
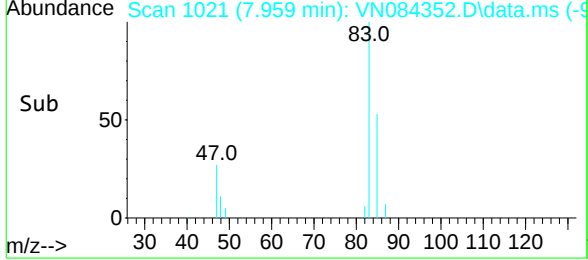
Instrument : MSVOA_N
 ClientSampleId : EFF-Waste Water



Tgt Ion:	83	Resp:	8609
Ion	Ratio	Lower	Upper
83	100		
85	53.1	52.4	78.6

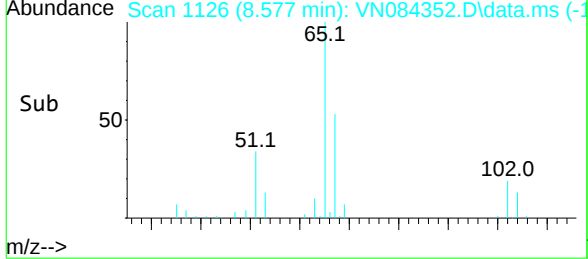
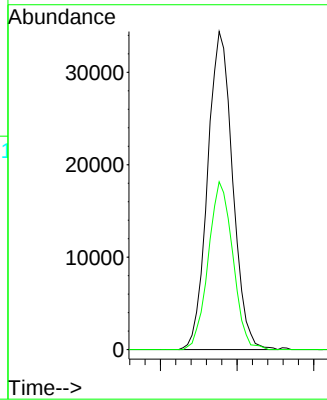
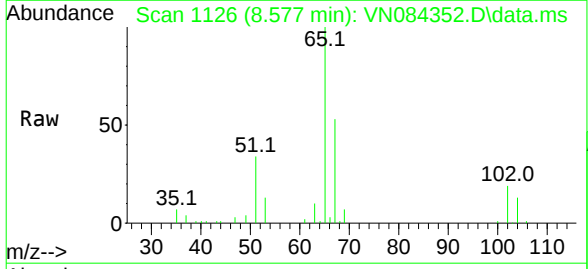
Manual Integrations
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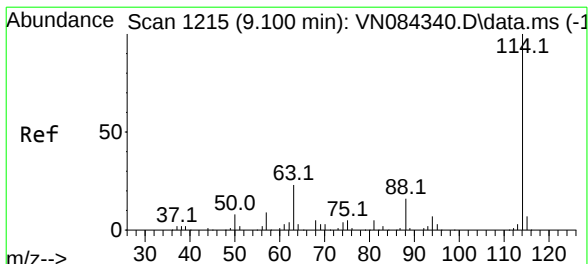
Reviewed By :John Carlone 10/09/2024
 Supervised By :Mahesh Dadoda 10/09/2024



#27
 1,2-Dichloroethane-d4
 Concen: 32.502 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084352.D
 Acq: 08 Oct 2024 16:29

Tgt Ion:	65	Resp:	78053
Ion	Ratio	Lower	Upper
65	100		
67	51.5	41.5	62.3





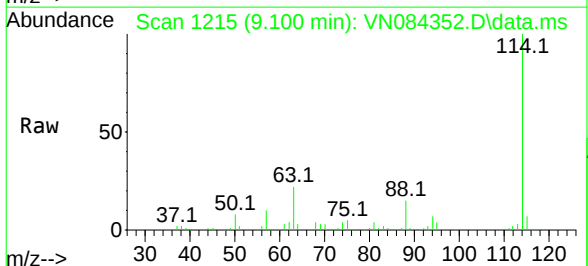
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084352.D
 Acq: 08 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

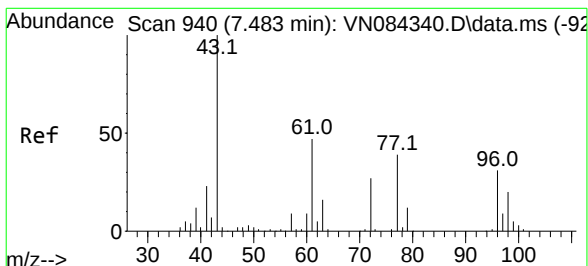
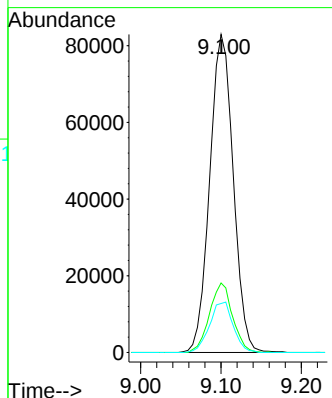
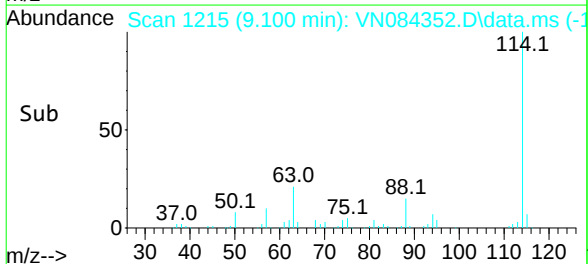
EFF-Waste Water



Tgt Ion:	114	Resp:	168825
Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.4	26.0
88	16.0	13.2	19.8

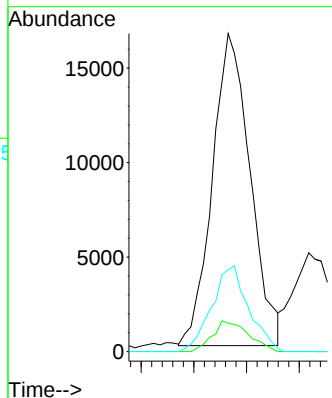
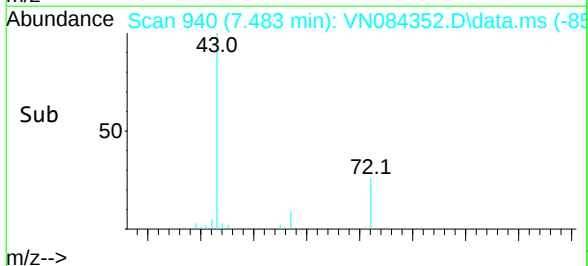
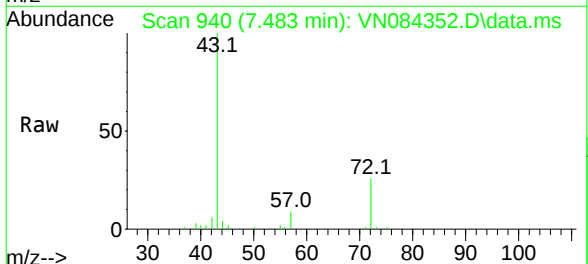
Manual Integrations
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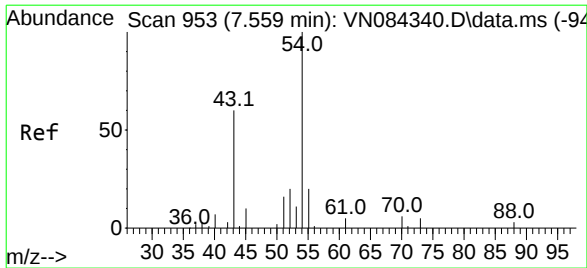
Reviewed By :John Carlone 10/09/2024
 Supervised By :Mahesh Dadoda 10/09/2024



#30
 2-Butanone
 Concen: 27.962 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.000 min
 Lab File: VN084352.D
 Acq: 08 Oct 2024 16:29

Tgt Ion:	43	Resp:	41259
Ion	Ratio	Lower	Upper
43	100		
57	9.3	6.6	9.8
72	26.7	21.3	31.9





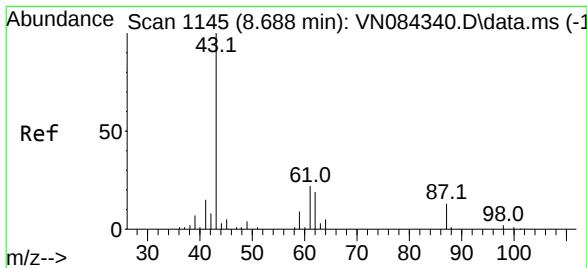
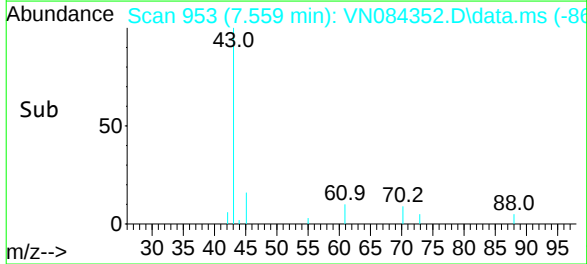
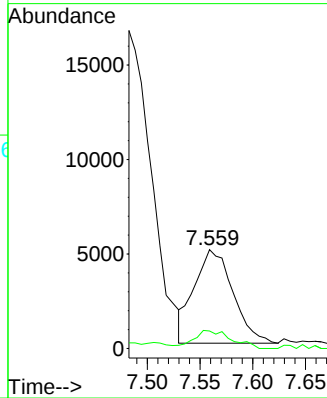
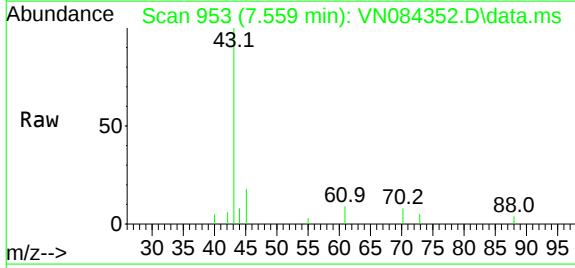
#43
Ethyl Acetate
Concen: 4.360 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

Tgt Ion: 43 Resp: 12689
Ion Ratio Lower Upper
43 100
45 8.3 10.6 16.0#

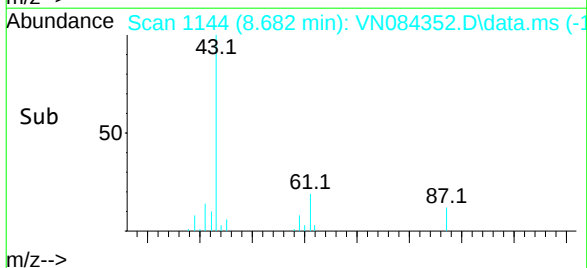
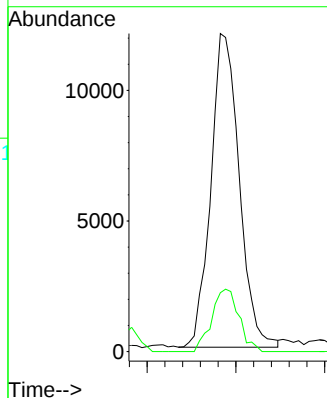
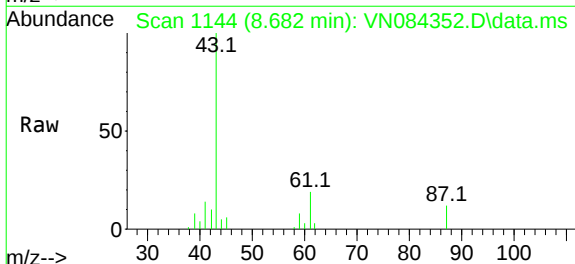
Manual Integrations
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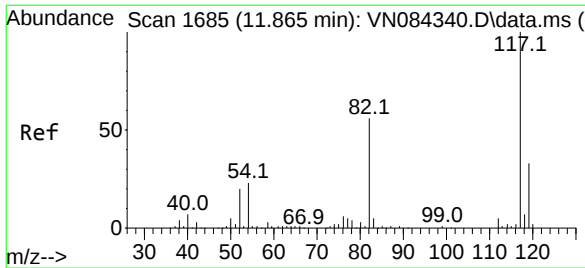
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#44
Isopropyl Acetate
Concen: 5.601 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

Tgt Ion: 43 Resp: 26680
Ion Ratio Lower Upper
43 100
61 18.3 21.4 32.2#





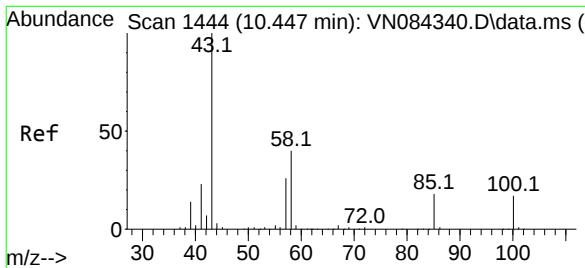
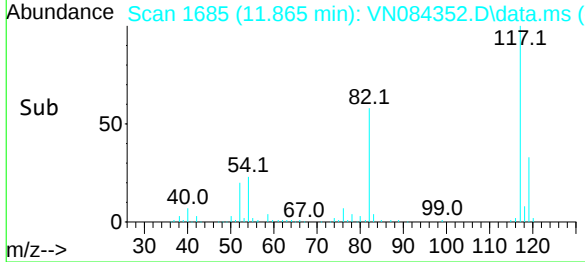
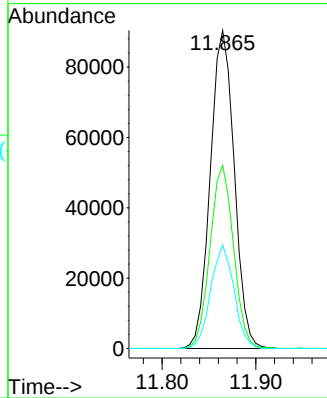
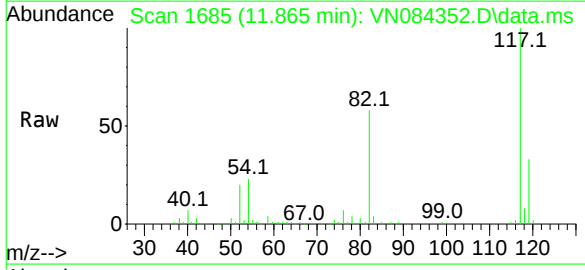
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

Tgt Ion: 117 Resp: 160891
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 31.6 25.4 38.2

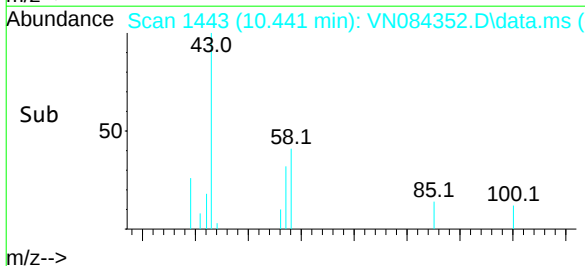
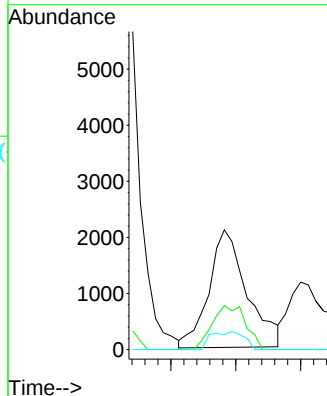
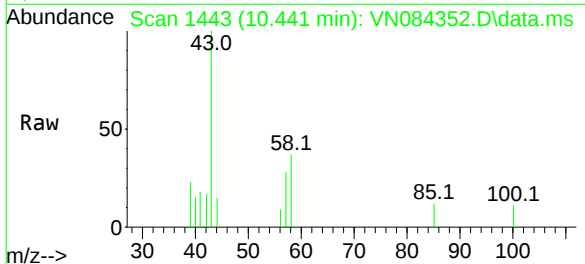
Manual Integrations
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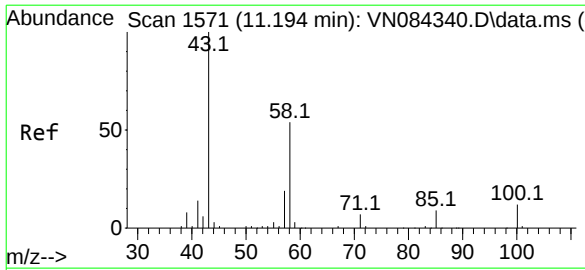
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#58
4-Methyl-2-Pentanone
Concen: 1.431 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

Tgt Ion: 43 Resp: 4288
Ion Ratio Lower Upper
43 100
58 32.9 31.9 47.9
85 6.8 14.6 22.0#





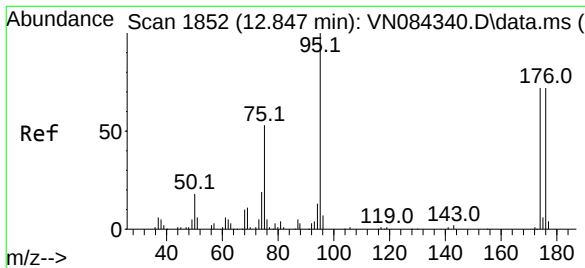
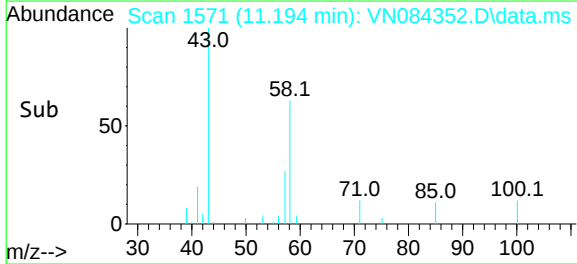
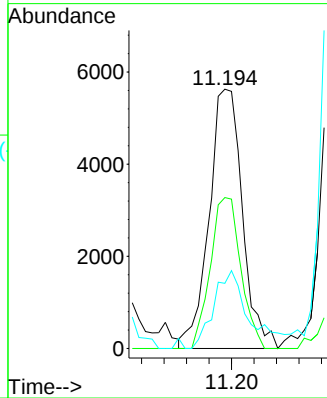
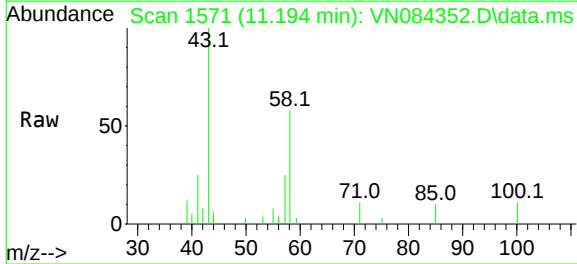
#59
2-Hexanone
Concen: 5.188 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

Tgt Ion: 43	Resp: 11554
Ion Ratio Lower Upper	
43 100	
58 53.3 44.0 66.0	
57 27.3 15.4 23.2	

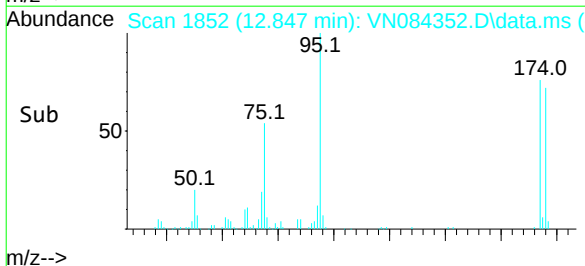
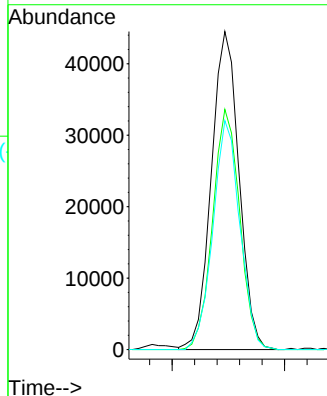
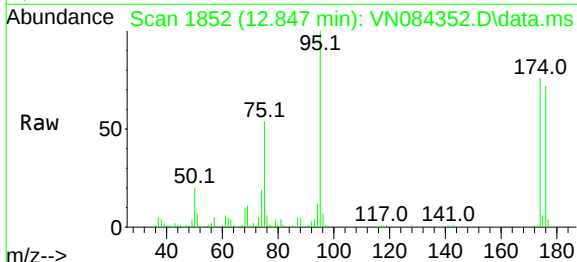
Manual Integrations
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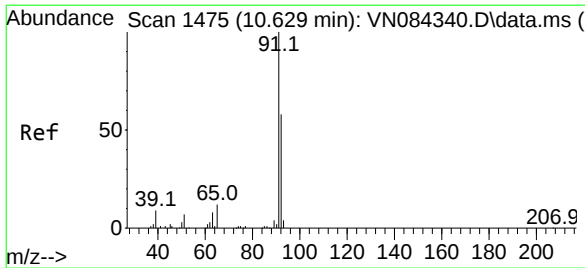
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#60
4-Bromofluorobenzene
Concen: 28.640 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084352.D
Acq: 08 Oct 2024 16:29

Tgt Ion: 95	Resp: 76050
Ion Ratio Lower Upper	
95 100	
174 73.9 58.2 87.2	
176 70.2 56.4 84.6	





#62

Toluene

Concen: 0.413 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN084352.D

Acq: 08 Oct 2024 16:29

Instrument :

MSVOA_N

ClientSampleId :

EFF-Waste Water

Tgt Ion: 91 Resp: 3894

Ion Ratio Lower Upper

91 100

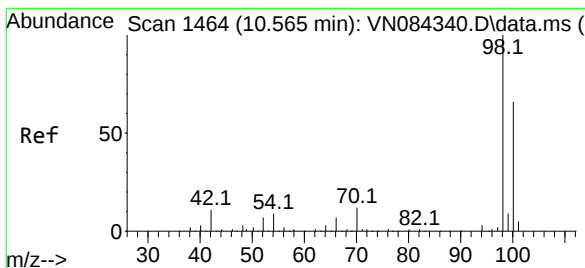
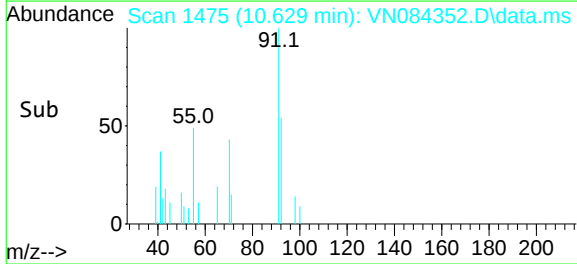
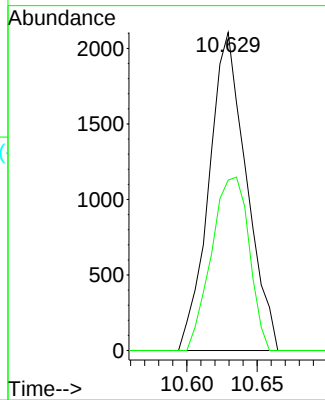
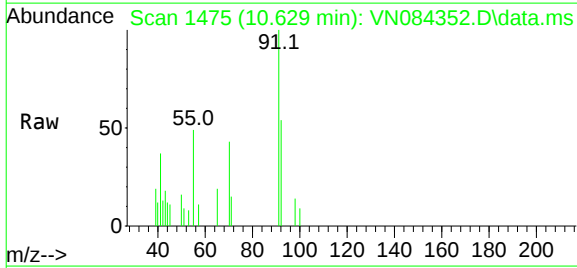
92 54.8 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2024

Supervised By :Mahesh Dadoda 10/09/2024



#63

Toluene-d8

Concen: 28.932 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084352.D

Acq: 08 Oct 2024 16:29

Tgt Ion: 98 Resp: 215643

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

