

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042125\
 Data File : VN086358.D
 Acq On : 21 Apr 2025 13:47
 Operator : JC\MD
 Sample : Q1833-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: Apr 22 02:17:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	39718	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	240756	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	218068	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	116751	30.137	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.467%			
60) 4-Bromofluorobenzene	12.847	95	122371	28.185	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.967%			
63) Toluene-d8	10.565	98	356620	28.967	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.567%			
Target Compounds						
					Qvalue	
13) Acrolein	4.177	56	1656m	3.411	ug/l	
15) Acetone	4.424	58	280570	613.728	ug/l	91
20) Diisopropyl ether	6.671	45	48466	4.277	ug/l	96
25) Chloroform	7.965	83	12028	2.086	ug/l	96
30) 2-Butanone	7.477	43	6099	2.552	ug/l #	85
58) 4-Methyl-2-Pentanone	10.435	43	2549	0.515	ug/l #	85
59) 2-Hexanone	11.194	43	30928	8.393	ug/l	97

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

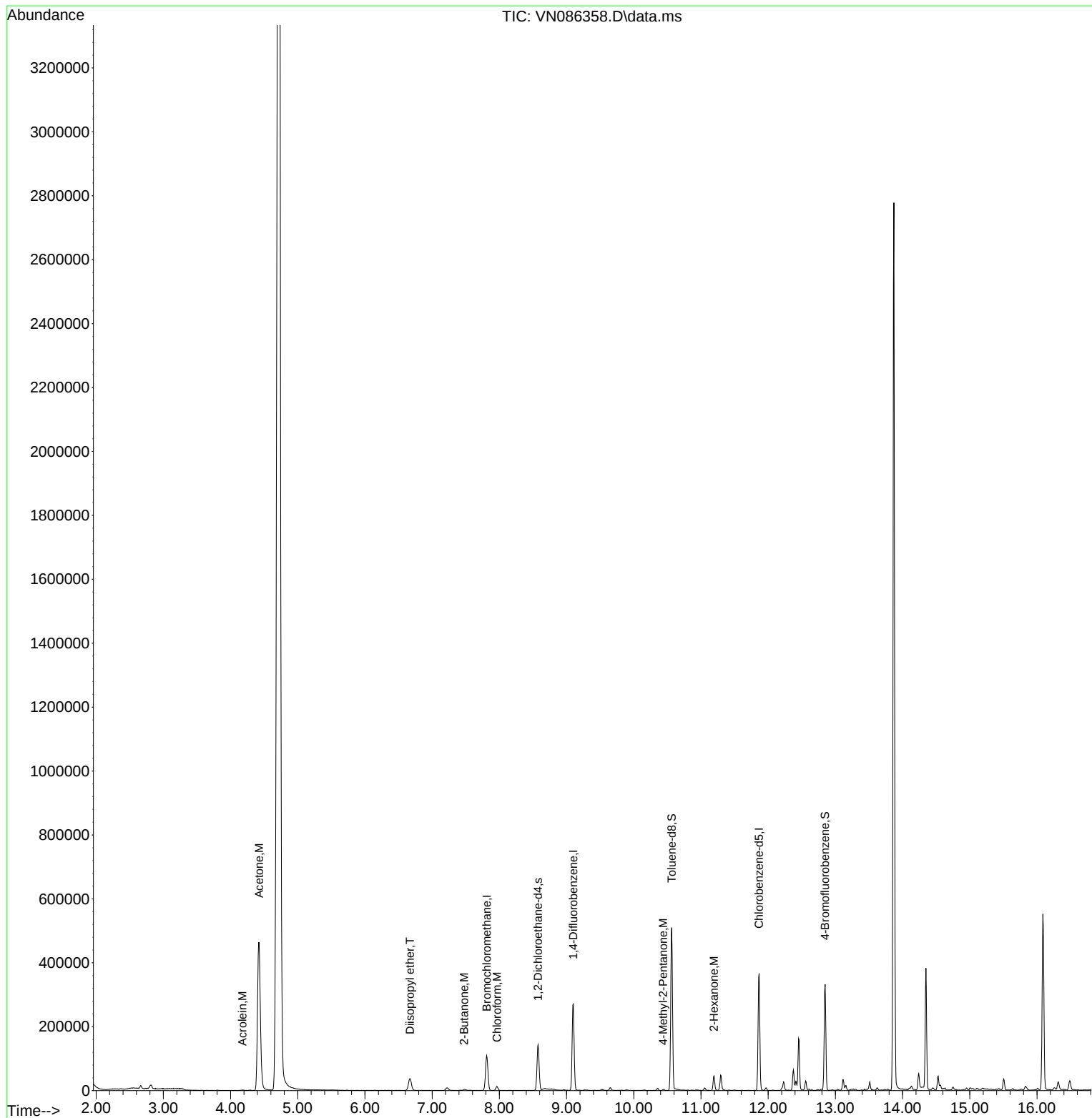
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042125\
Data File : VN086358.D
Acq On : 21 Apr 2025 13:47
Operator : JC\MD
Sample : Q1833-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

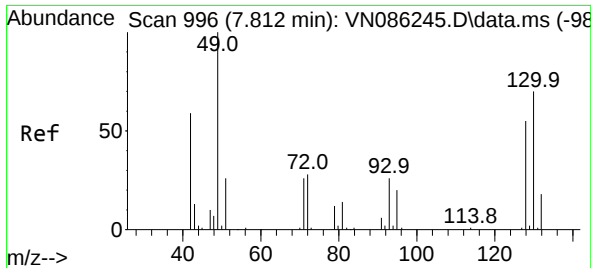
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Quant Time: Apr 22 02:17:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

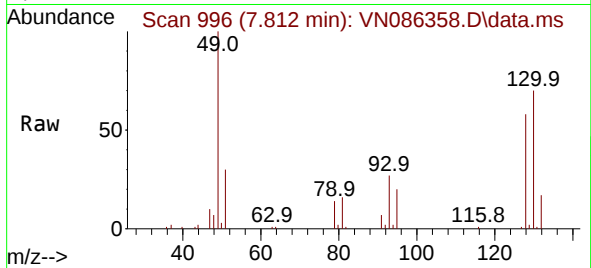
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

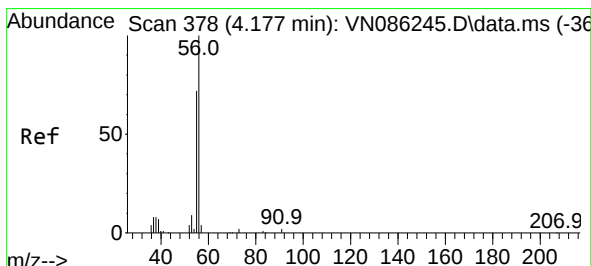
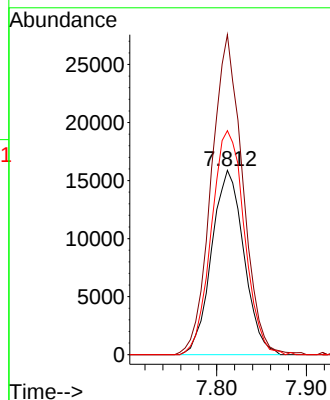
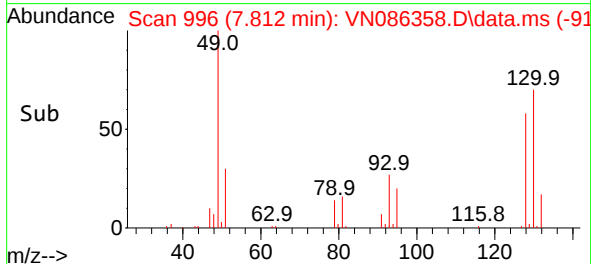
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER



Tgt Ion:128 Resp: 39718
Ion Ratio Lower Upper
128 100
49 168.1 0.0 452.5
130 124.3 0.0 315.0

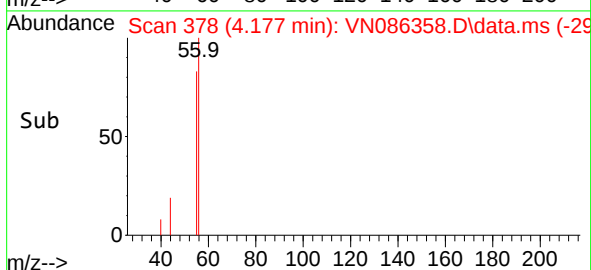
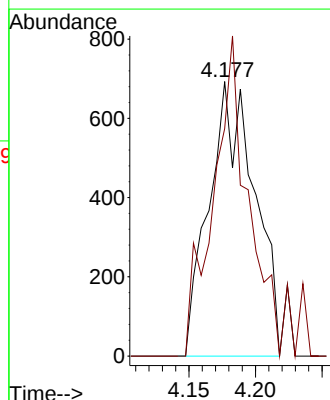
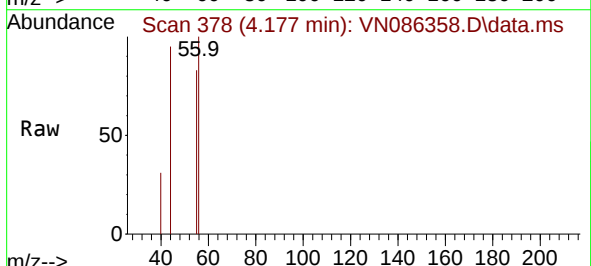
Manual Integrations
APPROVED

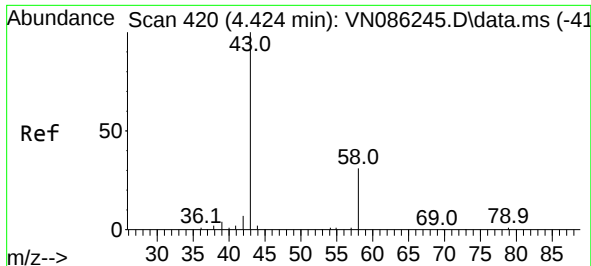
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#13
Acrolein
Concen: 3.411 ug/l m
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

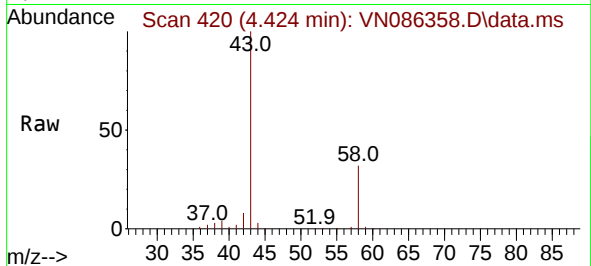
Tgt Ion: 56 Resp: 1656
Ion Ratio Lower Upper
56 100
55 77.9 56.5 84.7





#15
Acetone
Concen: 613.728 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

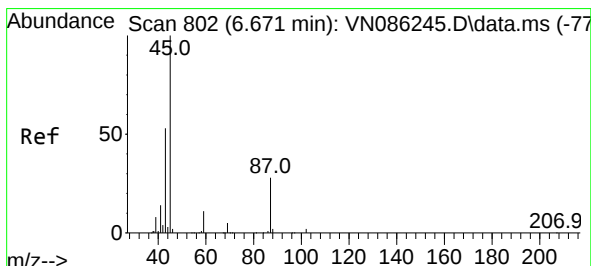
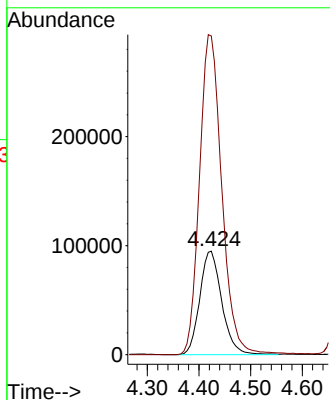
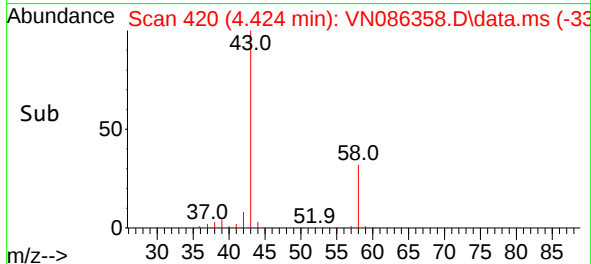
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER



Tgt Ion: 58 Resp: 280570
Ion Ratio Lower Upper
58 100
43 307.7 261.8 392.8

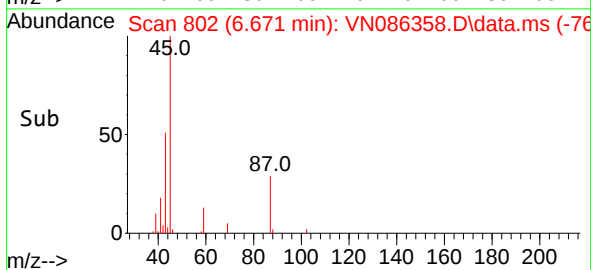
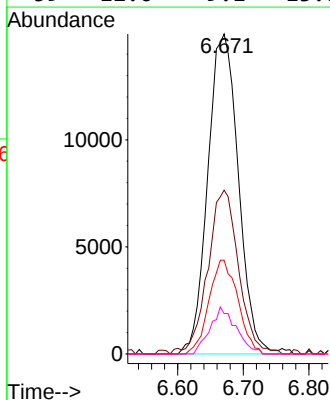
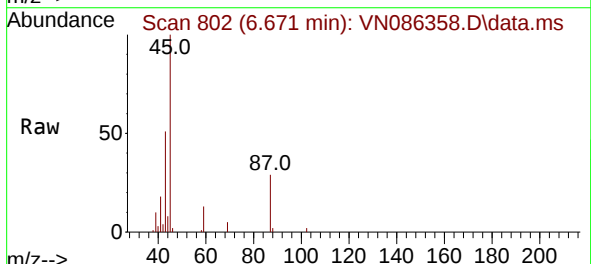
Manual Integrations
APPROVED

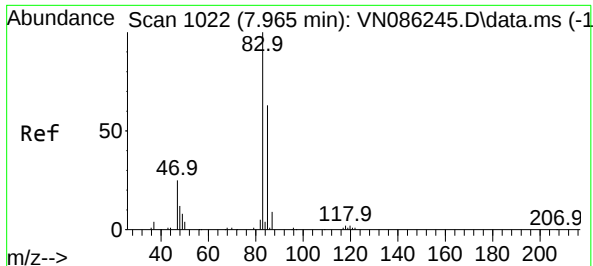
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#20
Diisopropyl ether
Concen: 4.277 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

Tgt Ion: 45 Resp: 48466
Ion Ratio Lower Upper
45 100
43 50.1 42.3 63.5
87 29.3 22.2 33.4
59 12.6 9.1 13.7





#25

Chloroform

Concen: 2.086 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086358.D

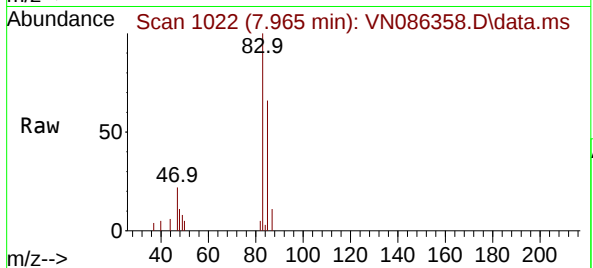
Acq: 21 Apr 2025 13:47

Instrument :

MSVOA_N

ClientSampleId :

EFF-WASTE-WATER



Tgt Ion: 83 Resp: 12028

Ion Ratio Lower Upper

83 100

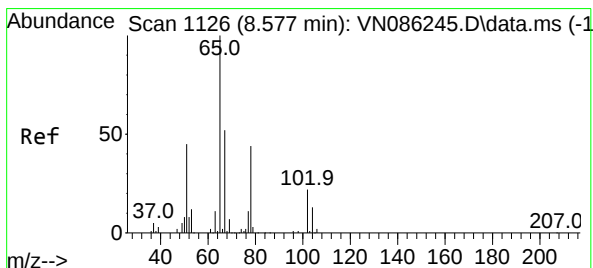
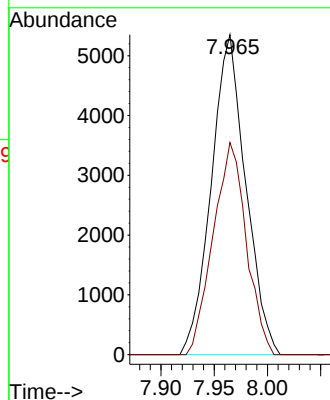
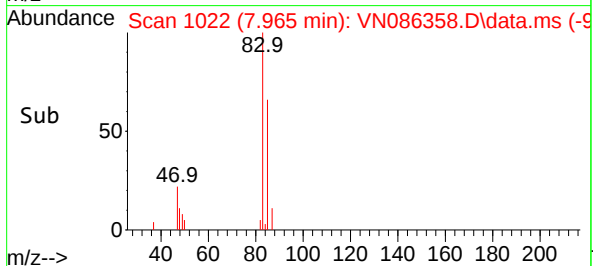
85 66.3 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#27

1,2-Dichloroethane-d4

Concen: 30.137 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086358.D

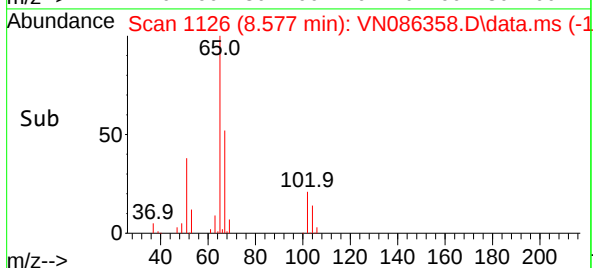
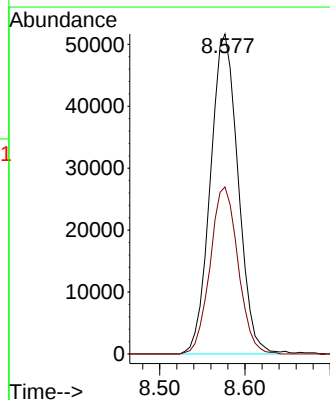
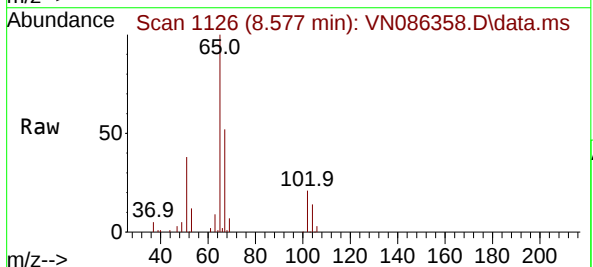
Acq: 21 Apr 2025 13:47

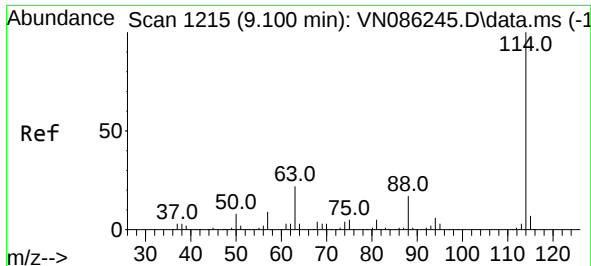
Tgt Ion: 65 Resp: 116751

Ion Ratio Lower Upper

65 100

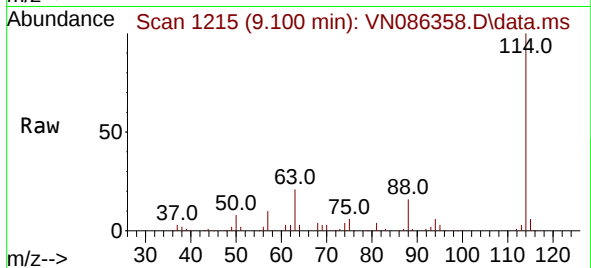
67 52.5 43.4 65.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

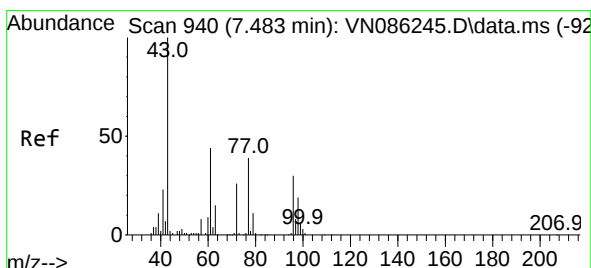
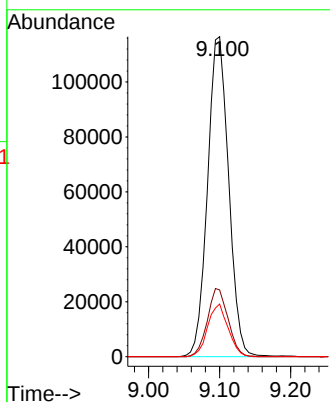
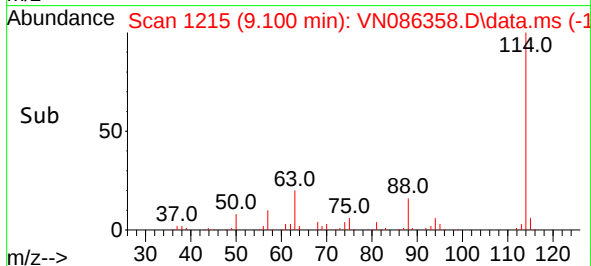
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER



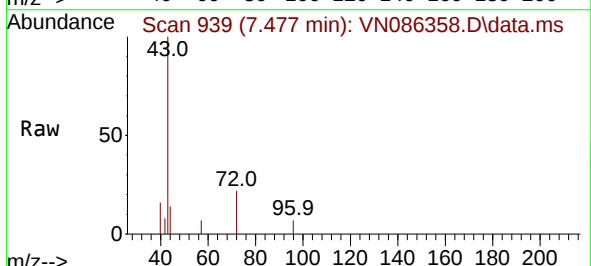
Tgt Ion:114 Resp: 240750
Ion Ratio Lower Upper
114 100
63 20.8 17.8 26.6
88 15.9 13.4 20.2

Manual Integrations
APPROVED

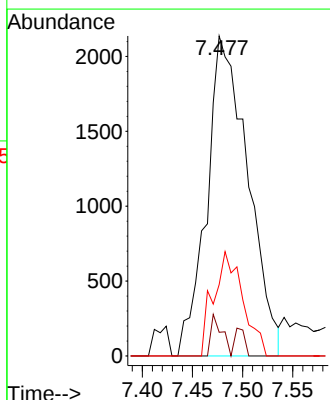
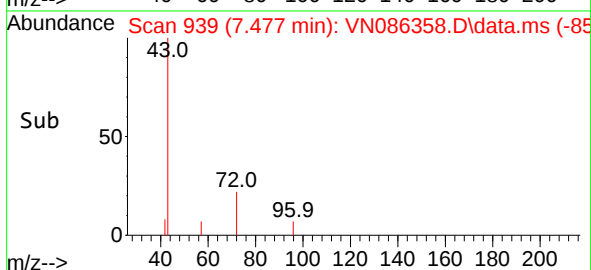
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

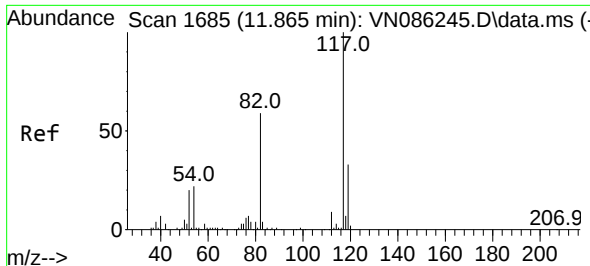


#30
2-Butanone
Concen: 2.552 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47



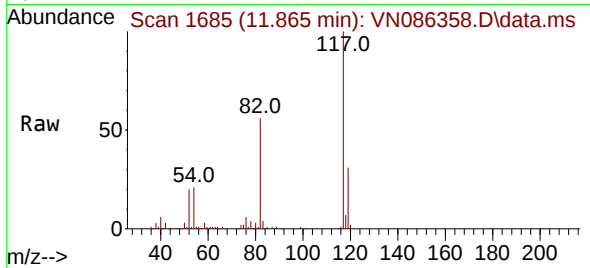
Tgt Ion: 43 Resp: 6099
Ion Ratio Lower Upper
43 100
57 3.5 6.4 9.6#
72 18.8 21.5 32.3#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

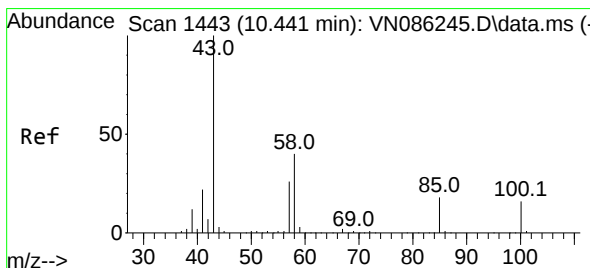
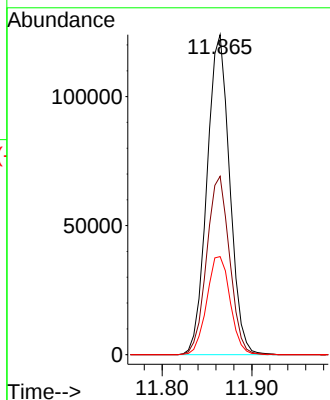
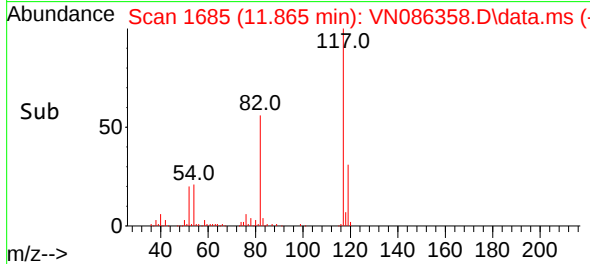
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER



Tgt Ion: 117 Resp: 218068
Ion Ratio Lower Upper
117 100
82 56.3 47.3 70.9
119 31.7 25.9 38.9

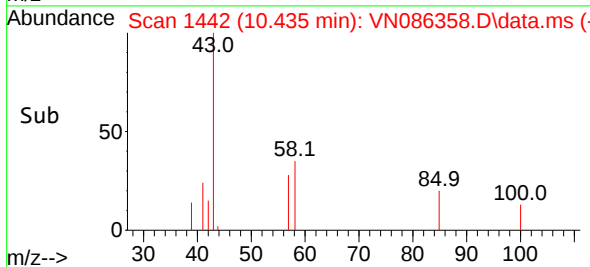
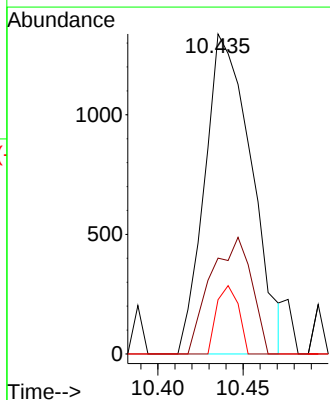
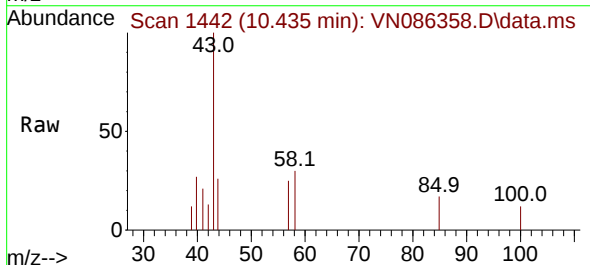
Manual Integrations
APPROVED

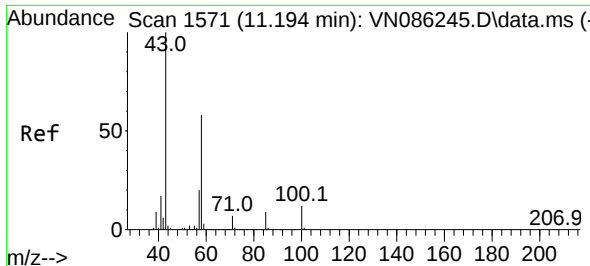
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#58
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

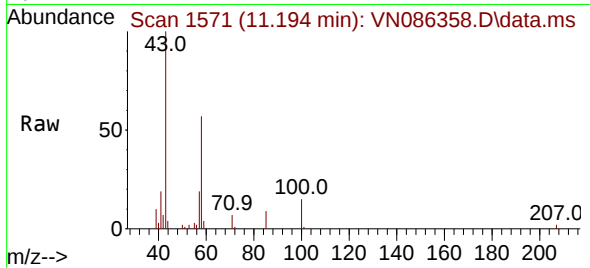
Tgt Ion: 43 Resp: 2549
Ion Ratio Lower Upper
43 100
58 32.0 32.5 48.7#
85 10.0 14.4 21.6#





#59
2-Hexanone
Concen: 8.393 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

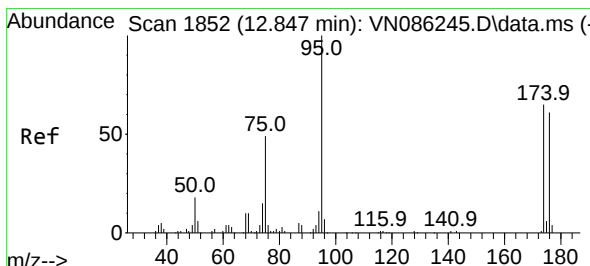
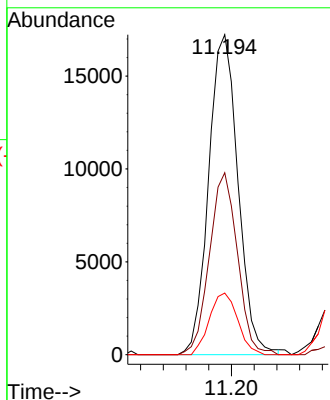
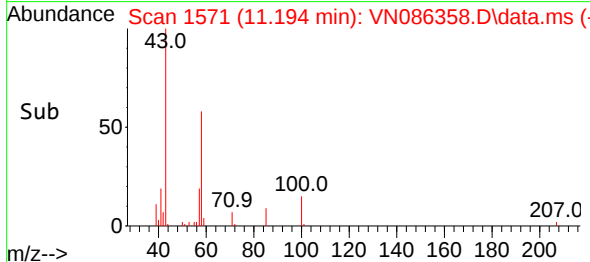
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER



Tgt Ion: 43 Resp: 30928
Ion Ratio Lower Upper
43 100
58 54.3 45.3 67.9
57 18.6 15.8 23.6

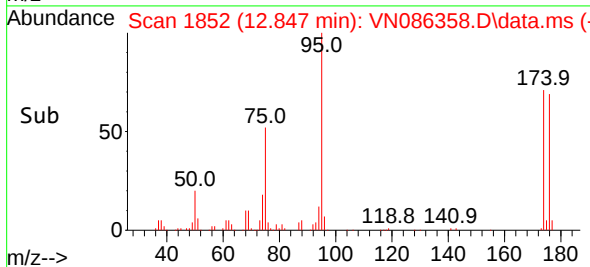
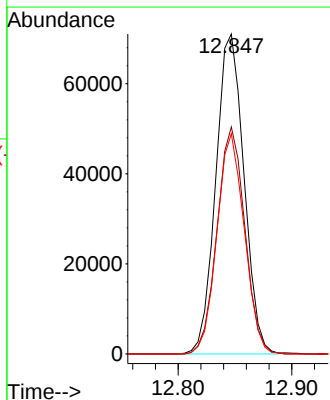
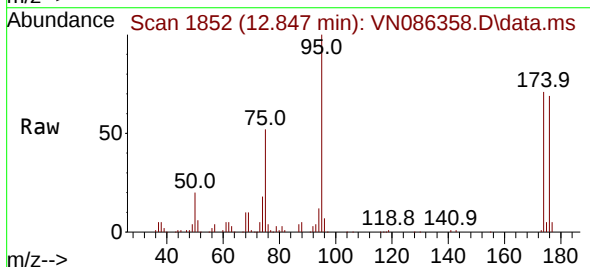
Manual Integrations
APPROVED

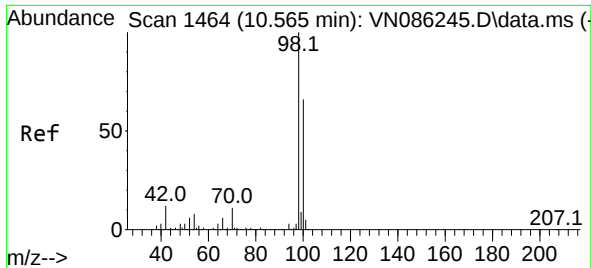
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#60
4-Bromofluorobenzene
Concen: 28.185 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

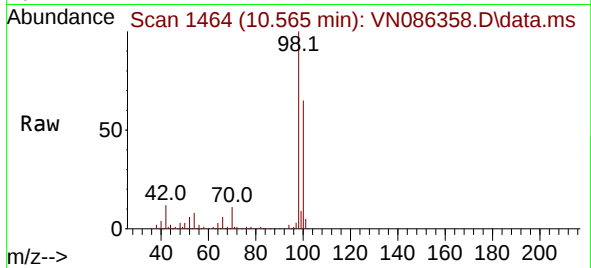
Tgt Ion: 95 Resp: 122371
Ion Ratio Lower Upper
95 100
174 69.8 52.7 79.1
176 66.9 49.8 74.8





#63
Toluene-d8
Concen: 28.967 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086358.D
Acq: 21 Apr 2025 13:47

Instrument : MSVOA_N
ClientSampleId : EFF-WASTE-WATER



Tgt Ion: 98 Resp: 356620
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

