

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087359.D
 Acq On : 18 Jul 2025 12:34
 Operator : JC\MD
 Sample : Q2585-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 18 23:18:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.795	128	39334	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.083	114	205259	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	181199	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	98726	33.313	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 111.033%#			
60) 4-Bromofluorobenzene	12.829	95	78738	28.160	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.867%			
63) Toluene-d8	10.547	98	248566	30.552	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.833%			
Target Compounds						
15) Acetone	4.424	58	377286m	741.931	ug/l	Qvalue
25) Chloroform	7.959	83	18266m	3.826	ug/l	
44) Isopropyl Acetate	8.677	43	7266	1.145	ug/l #	80
62) Toluene	10.606	91	7880	0.770	ug/l	95

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

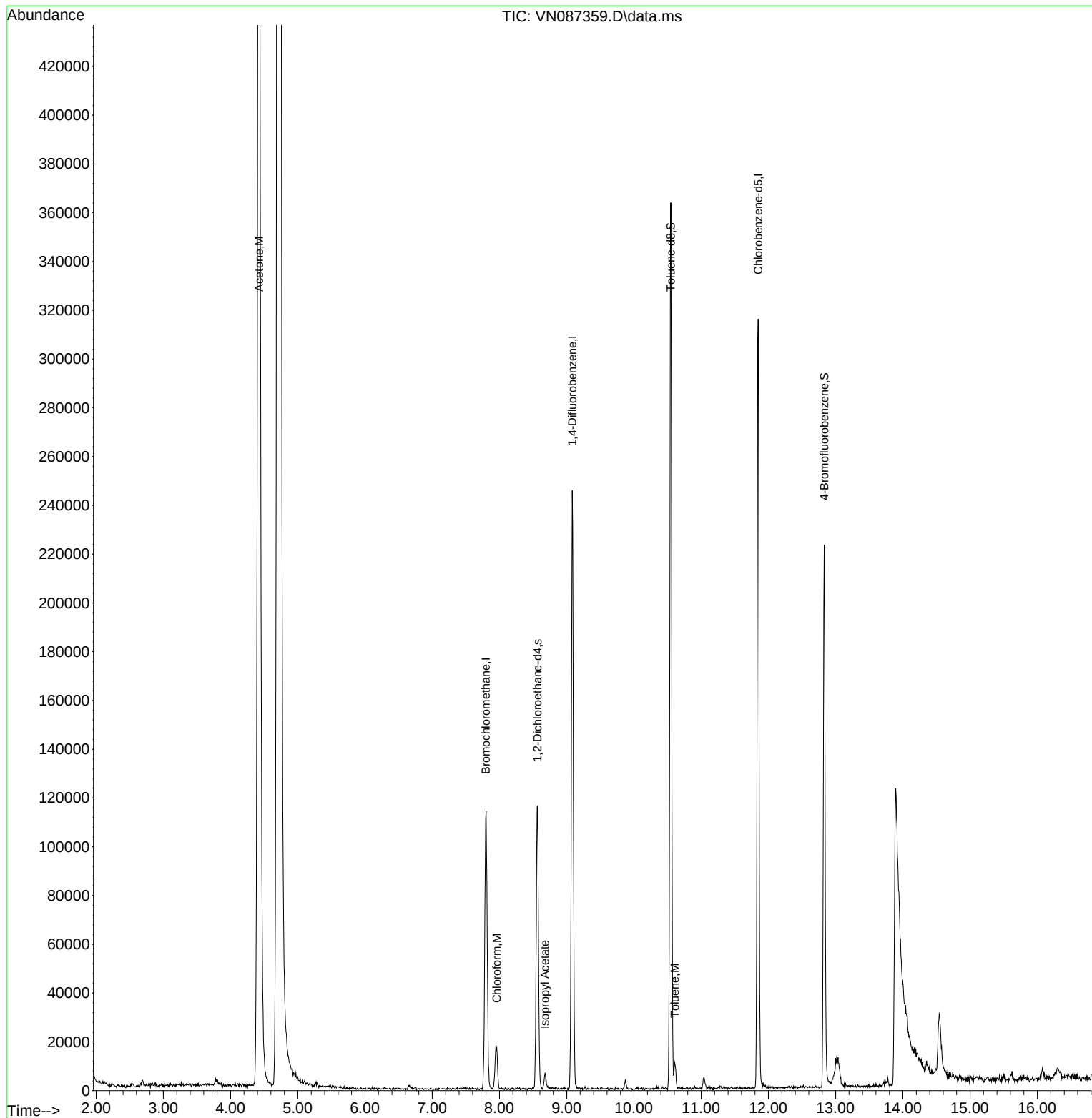
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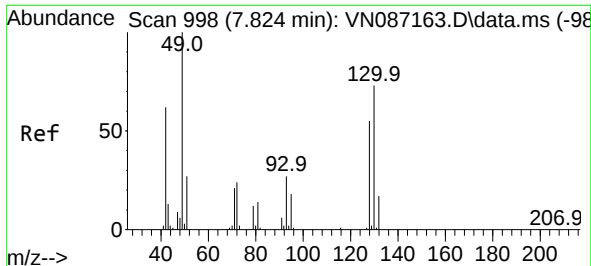
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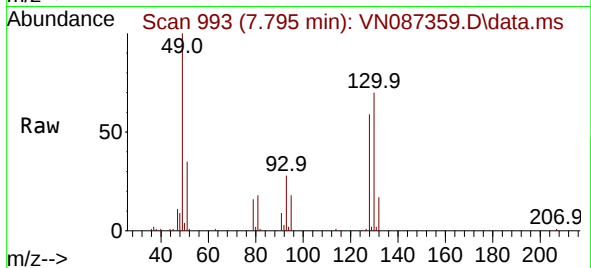
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.029 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

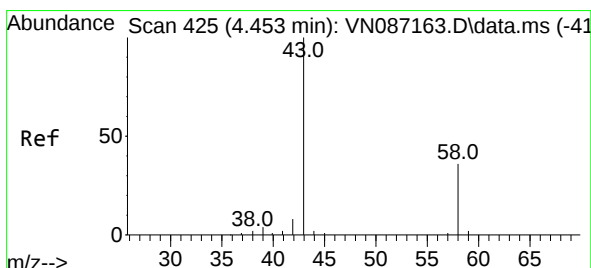
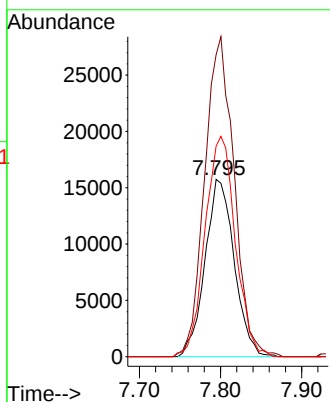
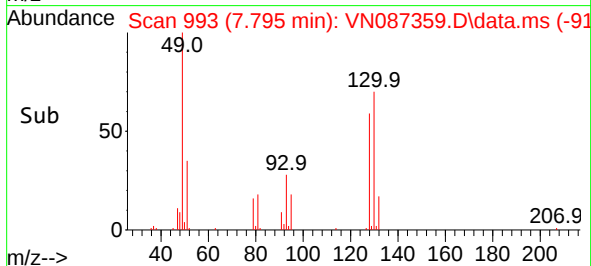
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion:128 Resp: 39334
Ion Ratio Lower Upper
128 100
49 182.0 0.0 450.5
130 129.2 0.0 320.7

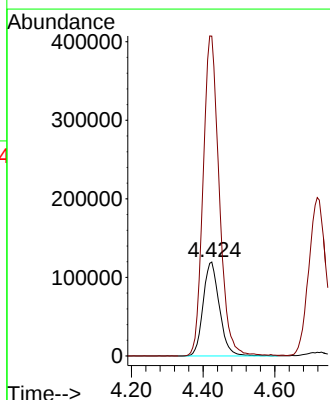
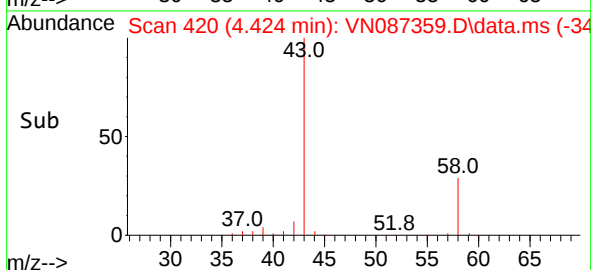
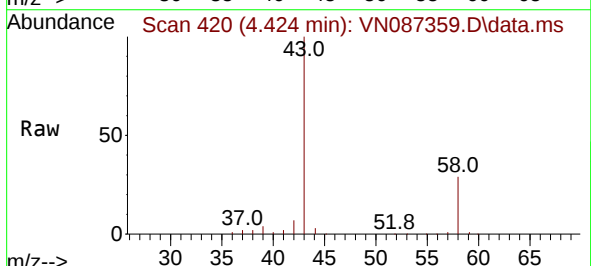
Manual Integrations
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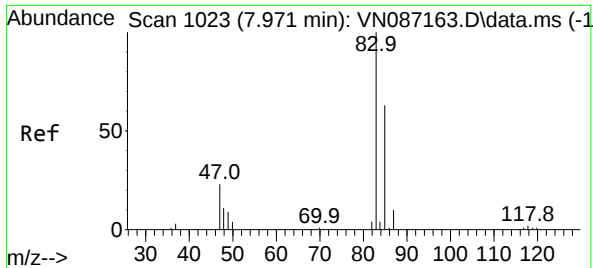
Reviewed By :John Carlone 07/21/2025
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#15
Acetone
Concen: 741.931 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.029 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

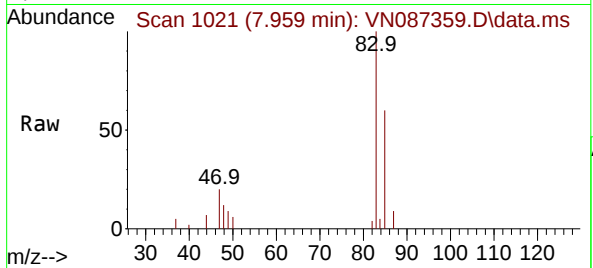
Tgt Ion: 58 Resp: 377286
Ion Ratio Lower Upper
58 100
43 340.3 224.3 336.5#





#25
Chloroform
Concen: 3.826 ug/l m
RT: 7.959 min Scan# 1021
Delta R.T. -0.012 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

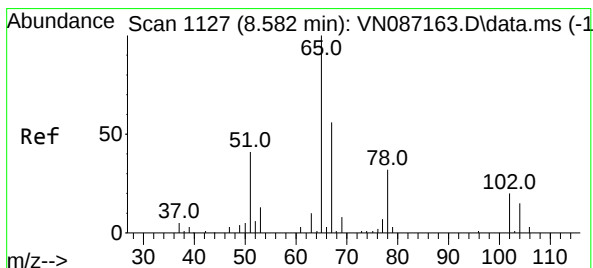
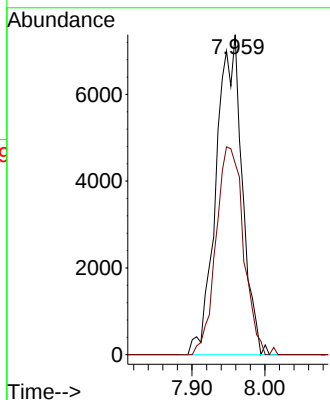
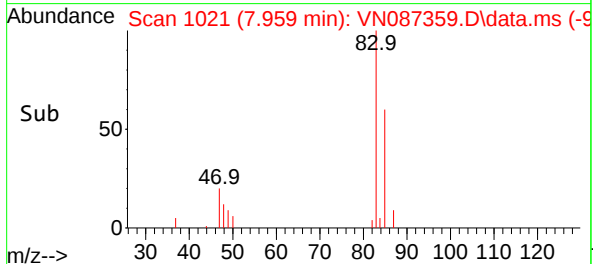
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion: 83 Resp: 1826
Ion Ratio Lower Upper
83 100
85 59.8 50.7 76.1

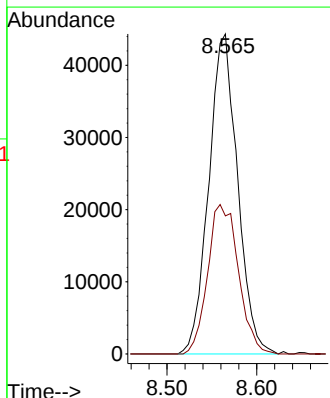
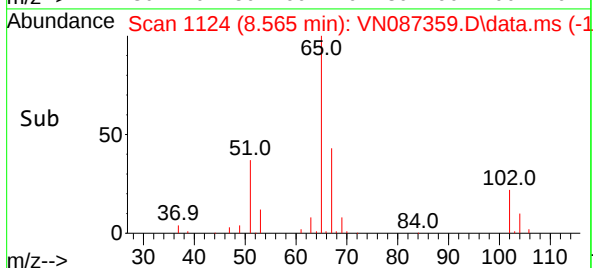
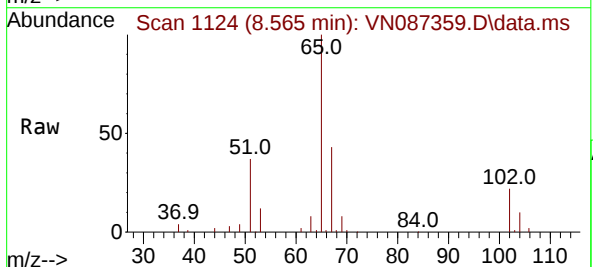
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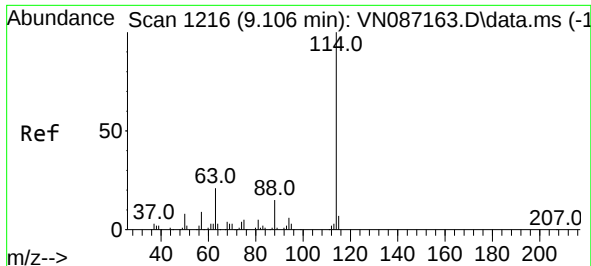
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#27
1,2-Dichloroethane-d4
Concen: 33.313 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.017 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

Tgt Ion: 65 Resp: 98726
Ion Ratio Lower Upper
65 100
67 49.9 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1143

Delta R.T. -0.023 min

Lab File: VN087359.D

Acq: 18 Jul 2025 12:34

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

Tgt Ion:114 Resp: 20525

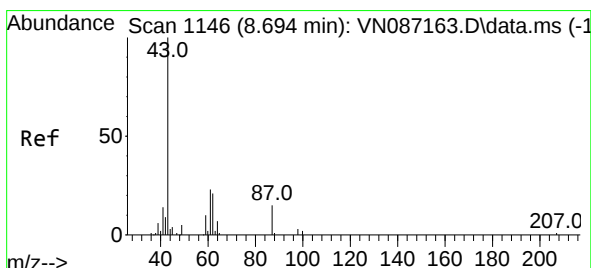
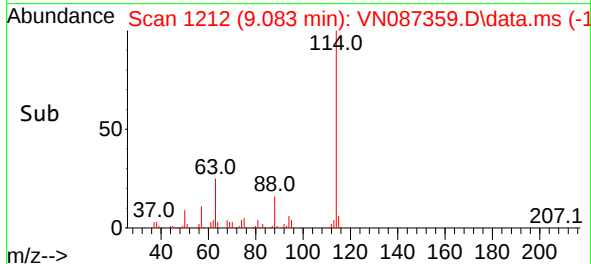
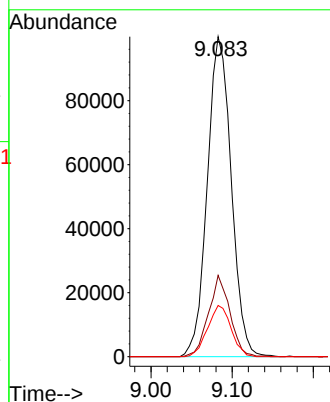
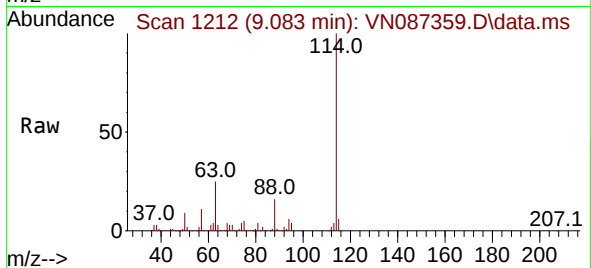
Ion	Ratio	Lower	Upper
114	100		
63	22.7	17.0	25.4
88	15.7	12.6	19.0

Manual Integrations

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#44

Isopropyl Acetate

Concen: 1.145 ug/l

RT: 8.677 min Scan# 1143

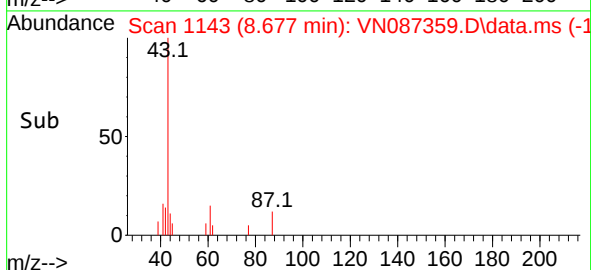
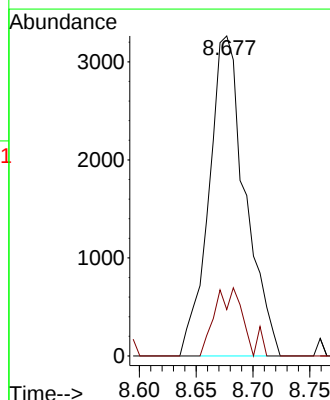
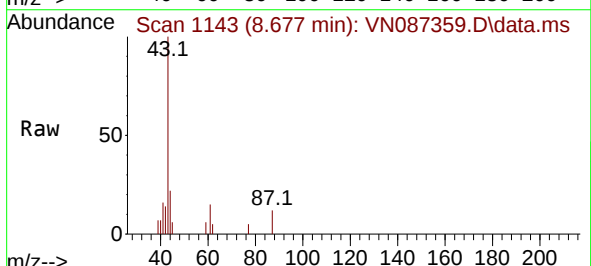
Delta R.T. -0.017 min

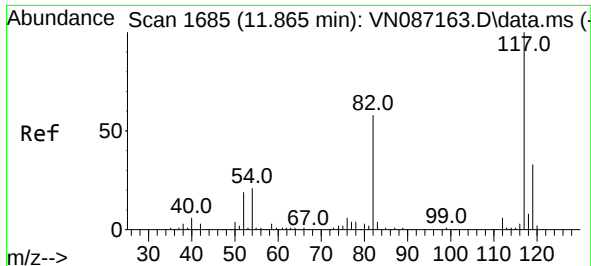
Lab File: VN087359.D

Acq: 18 Jul 2025 12:34

Tgt Ion: 43 Resp: 7266

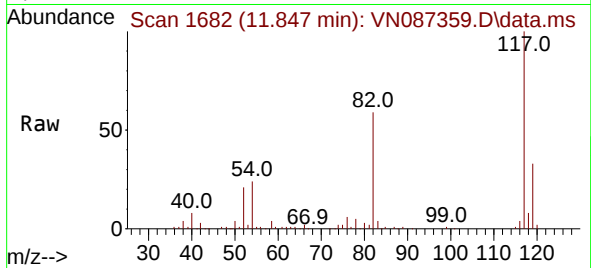
Ion	Ratio	Lower	Upper
43	100		
61	15.6	20.5	30.7#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11847
Delta R.T. -0.017 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

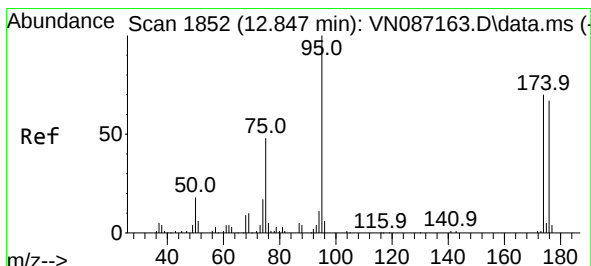
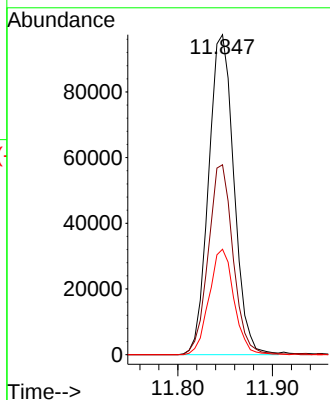
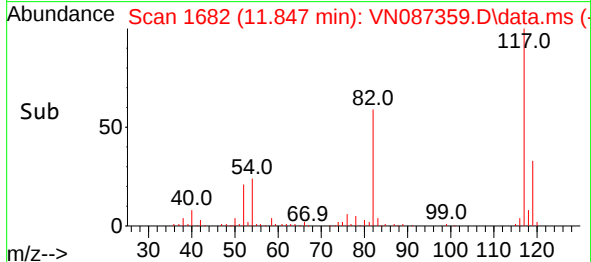
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



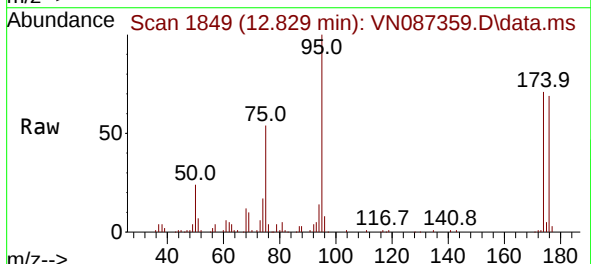
Tgt Ion:117 Resp: 181199
Ion Ratio Lower Upper
117 100
82 58.1 45.4 68.2
119 32.3 26.2 39.4

Manual Integrations
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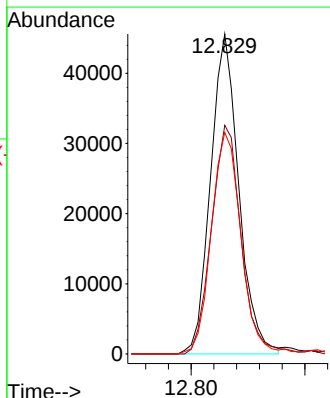
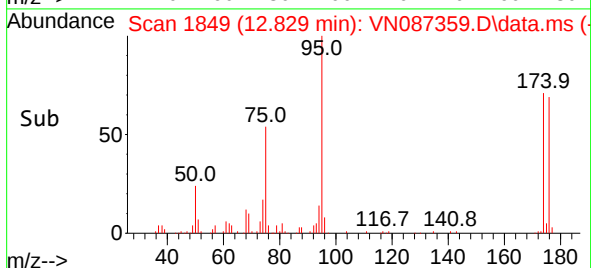
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

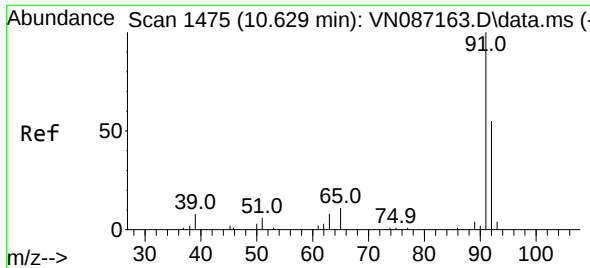


#60
4-Bromofluorobenzene
Concen: 28.160 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.017 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34



Tgt Ion: 95 Resp: 78738
Ion Ratio Lower Upper
95 100
174 74.7 54.5 81.7
176 72.3 51.9 77.9





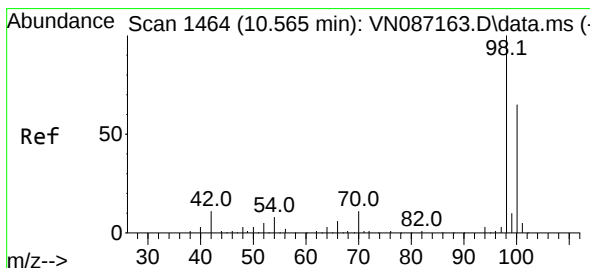
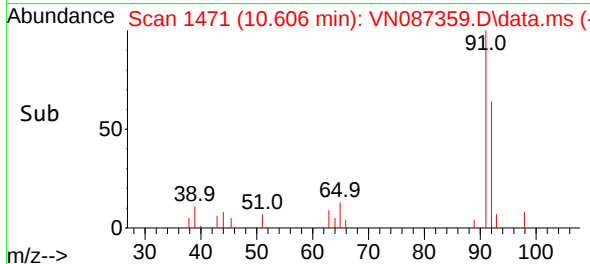
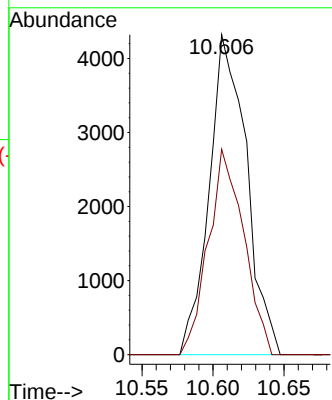
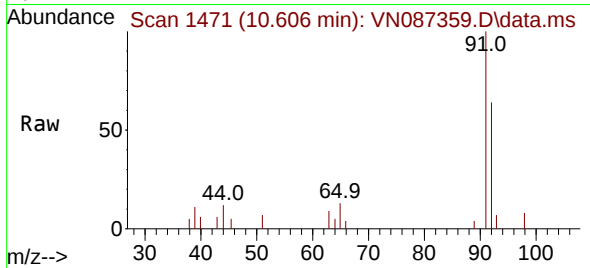
#62
Toluene
Concen: 0.770 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.023 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 91 Resp: 7880
Ion Ratio Lower Upper
91 100
92 61.1 45.8 68.8

Manual Integrations
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Supervised By :Mahesh Dadoda 07/21/2025



#63
Toluene-d8
Concen: 30.552 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.017 min
Lab File: VN087359.D
Acq: 18 Jul 2025 12:34

Tgt Ion: 98 Resp: 248566
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7

