

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
 Data File : VN087499.D
 Acq On : 08 Aug 2025 15:30
 Operator : JC\MD
 Sample : Q2811-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WASTE WATER

Quant Time: Aug 11 01:20:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
 Supervised By :Semsettin Yesilyurt 08/11/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	57038	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	315848	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	279788	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	164675	31.302	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.333%
60) 4-Bromofluorobenzene	12.829	95	136373	28.323	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.400%
63) Toluene-d8	10.547	98	391775	30.432	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						
					Qvalue	
13) Acrolein	4.177	56	18443	20.946	ug/l	96
15) Acetone	4.424	58	756306	1051.515	ug/l	94
18) Methylene Chloride	5.265	84	10845m	2.697	ug/l	
20) Diisopropyl ether	6.659	45	10032m	0.692	ug/l	
25) Chloroform	7.947	83	32522	4.155	ug/l	93
69) Styrene	12.400	104	4911	0.414	ug/l	96

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

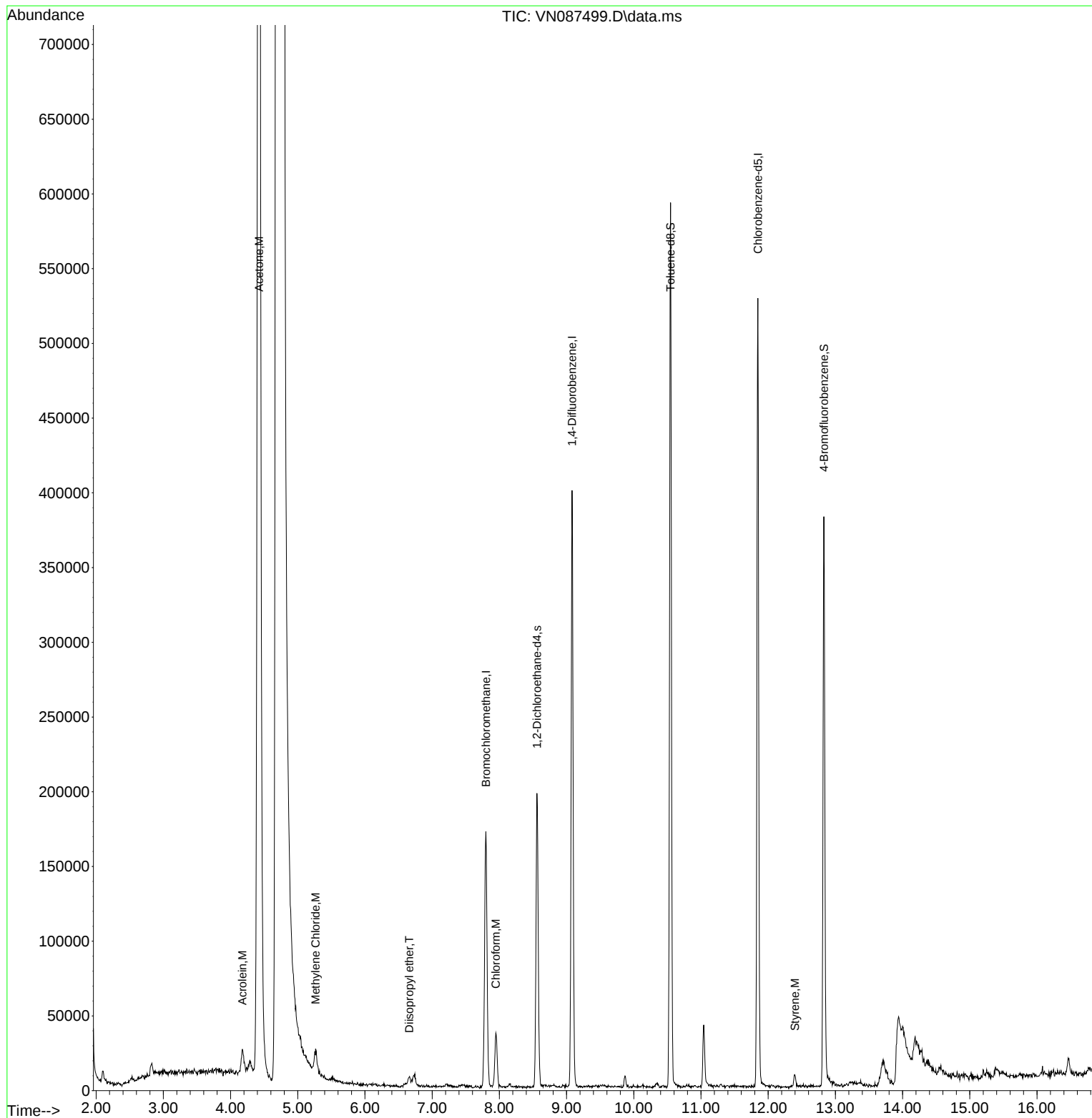
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
Data File : VN087499.D
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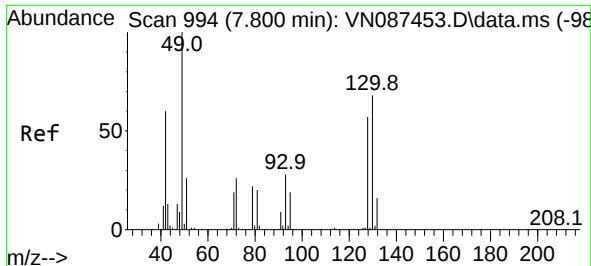
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER

Quant Time: Aug 11 01:20:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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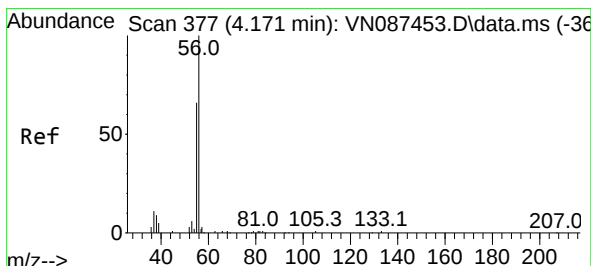
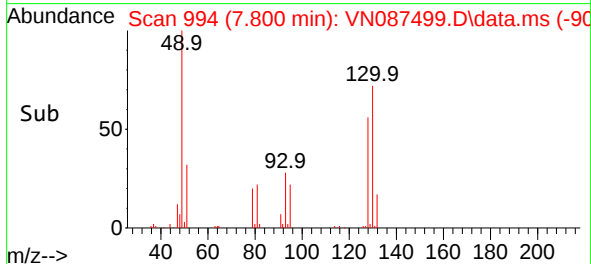
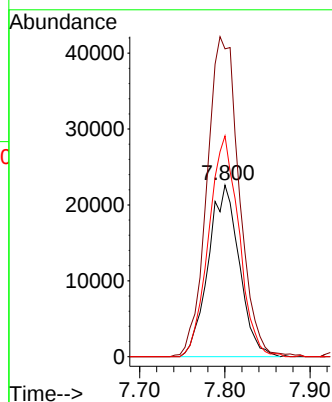
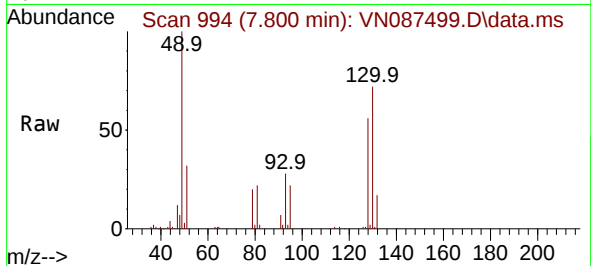
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Instrument :
MSVOA_N
Client Sample Id :
EFF-WASTE WATER

Tgt Ion: 128 Resp: 57038
Ion Ratio Lower Upper
128 100
49 194.6 0.0 494.8
130 125.4 0.0 321.5

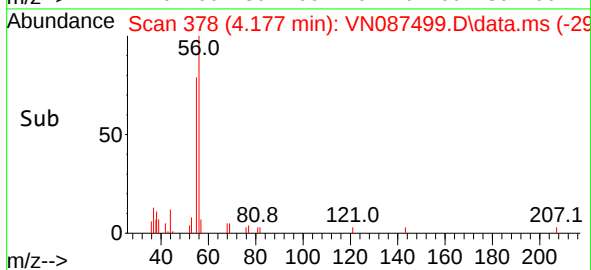
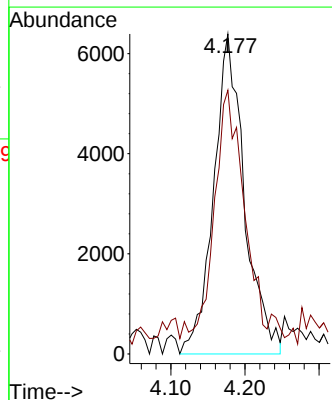
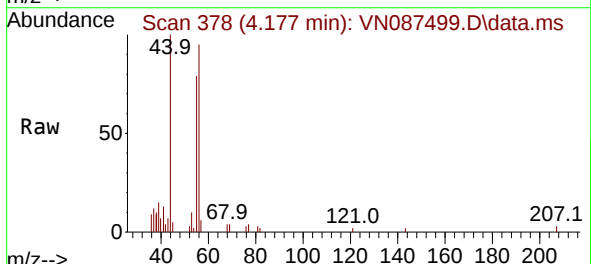
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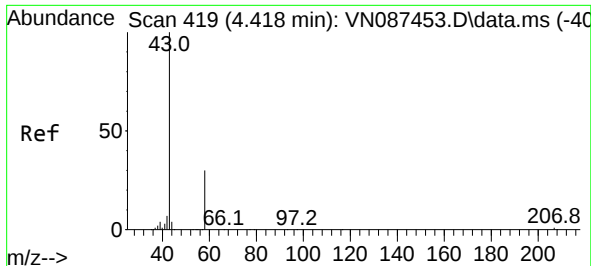
Reviewed By : Mahesh Dadoda 08/11/2025
Supervised By : Semsettin Yesilyurt 08/11/2025



#13
Acrolein
Concen: 20.946 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

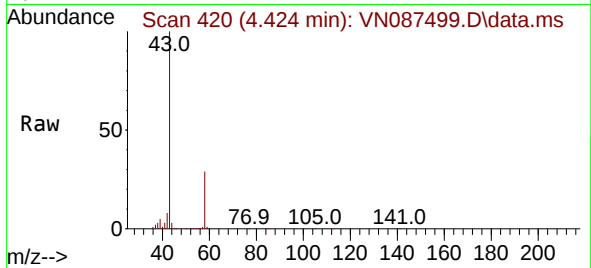
Tgt Ion: 56 Resp: 18443
Ion Ratio Lower Upper
56 100
55 68.4 57.4 86.0





#15
Acetone
Concen: 1051.515 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

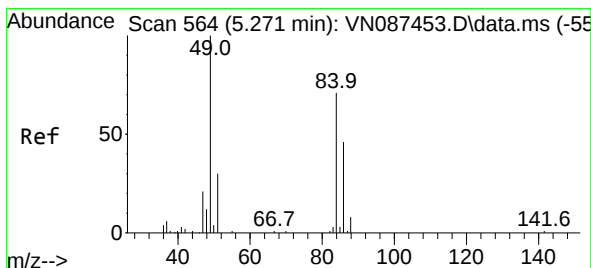
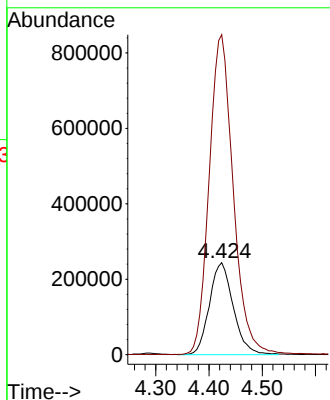
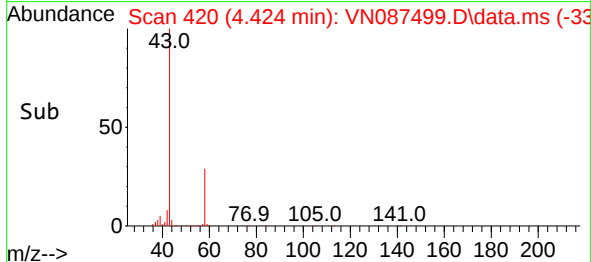
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER



Tgt Ion: 58 Resp: 756300
Ion Ratio Lower Upper
58 100
43 348.0 268.9 403.3

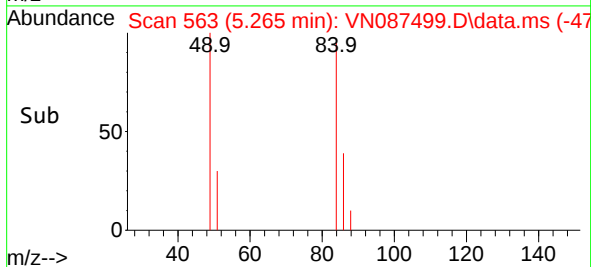
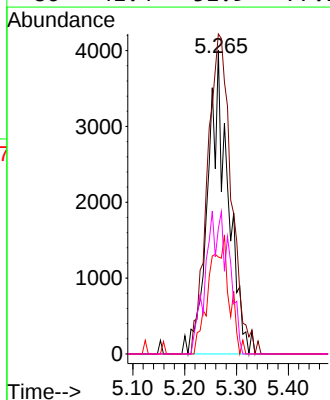
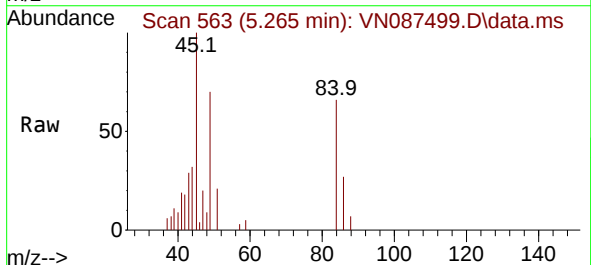
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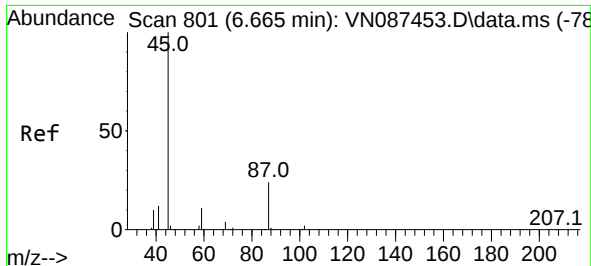
Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025



#18
Methylene Chloride
Concen: 2.697 ug/l m
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

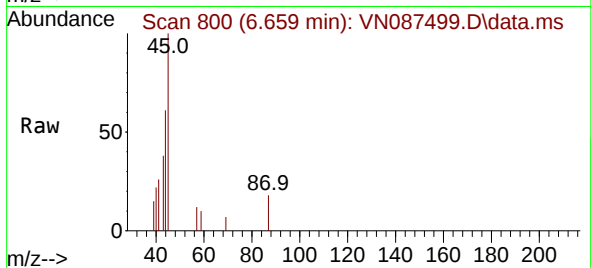
Tgt Ion: 84 Resp: 10845
Ion Ratio Lower Upper
84 100
49 105.4 112.9 169.3#
51 32.0 33.8 50.8#
86 41.4 51.9 77.9#





#20
Diisopropyl ether
Concen: 0.692 ug/l m
RT: 6.659 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

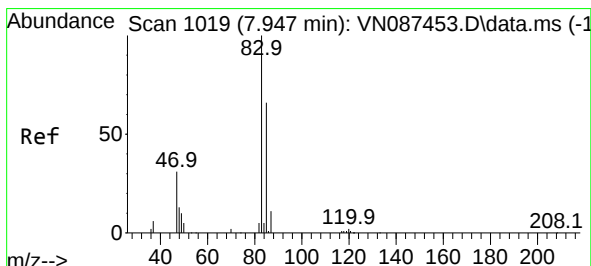
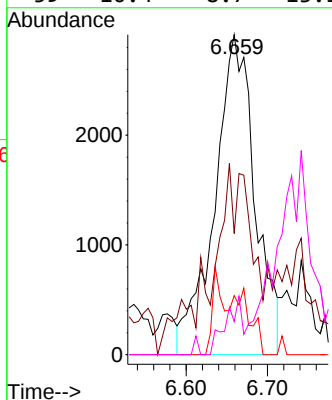
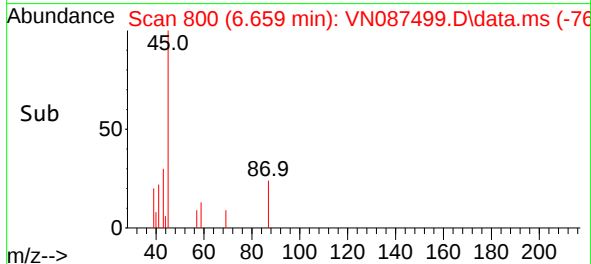
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER



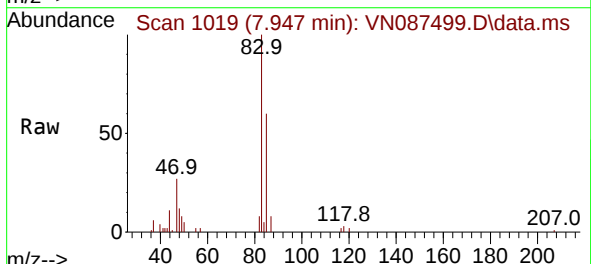
Tgt Ion: 45 Resp: 10032
Ion Ratio Lower Upper
45 100
43 37.9 44.7 67.1
87 18.5 20.2 30.2
59 10.4 8.7 13.1

Manual Integrations
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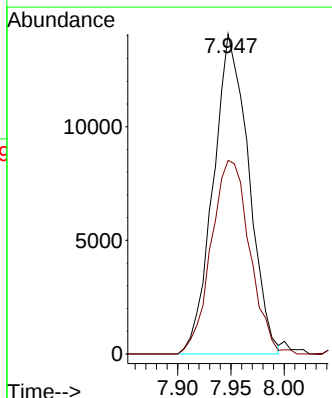
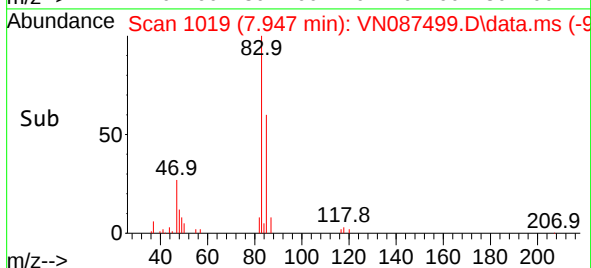
Reviewed By :Mahesh Dadoda 08/11/2025
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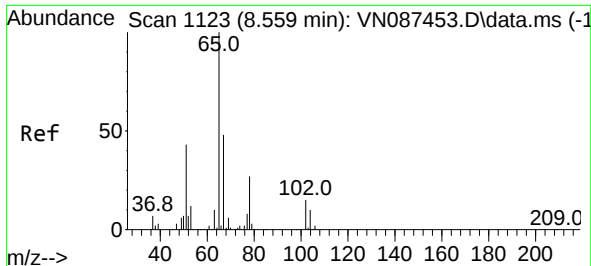


#25
Chloroform
Concen: 4.155 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30



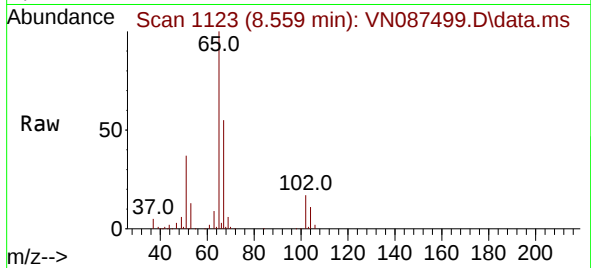
Tgt Ion: 83 Resp: 32522
Ion Ratio Lower Upper
83 100
85 60.5 52.6 78.8





#27
1,2-Dichloroethane-d4
Concen: 31.302 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

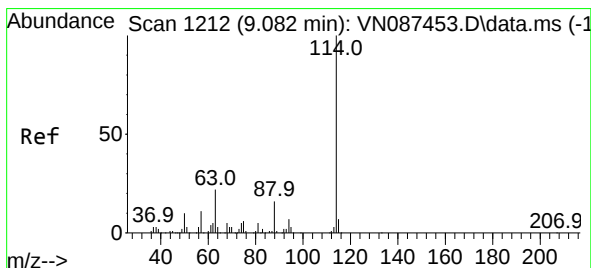
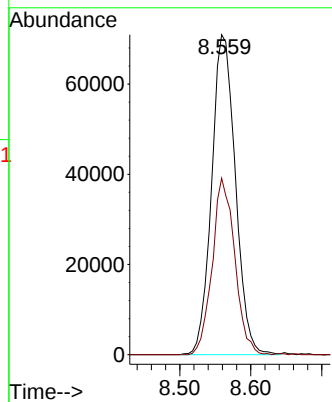
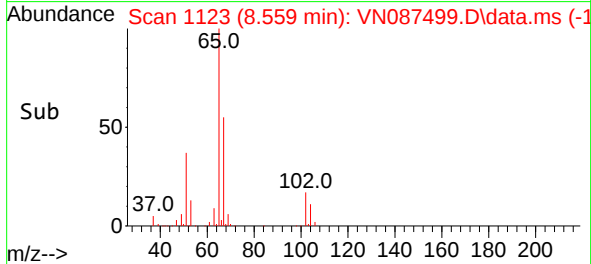
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER



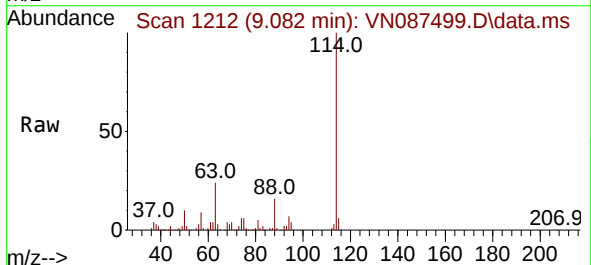
Tgt Ion: 65 Resp: 164679
Ion Ratio Lower Upper
65 100
67 52.1 40.8 61.2

Manual Integrations
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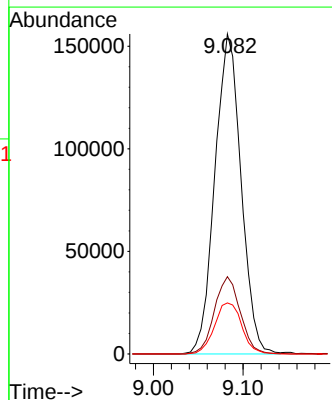
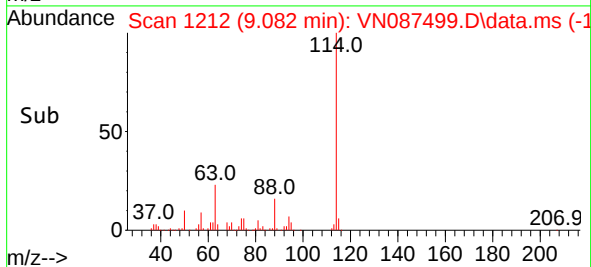
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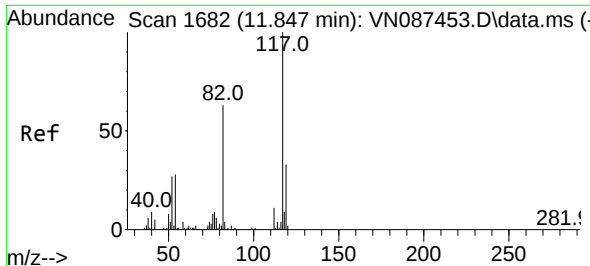


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30



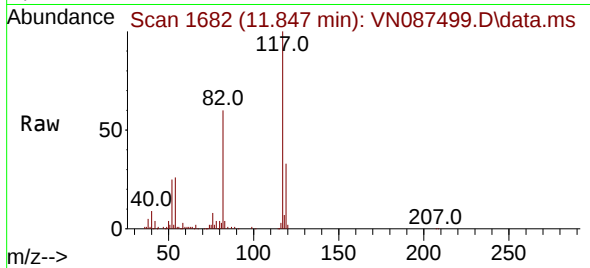
Tgt Ion:114 Resp: 315848
Ion Ratio Lower Upper
114 100
63 23.8 18.9 28.3
88 16.6 13.1 19.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

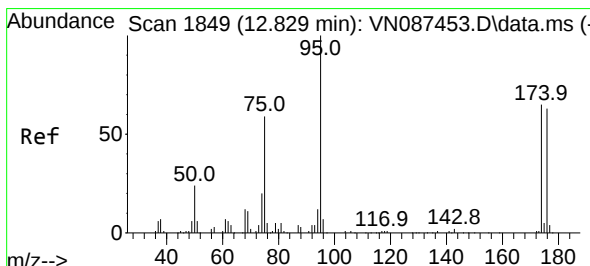
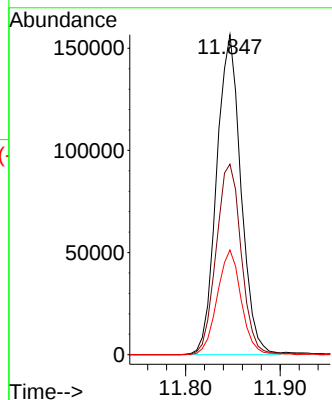
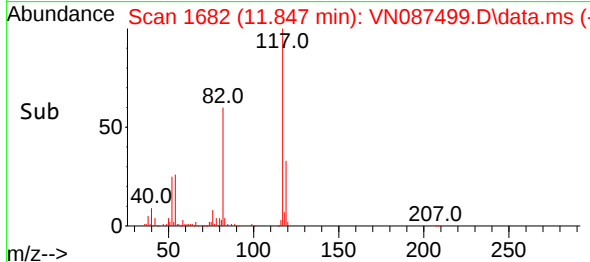
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE WATER



Tgt Ion: 117 Resp: 279788
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 32.2 25.7 38.5

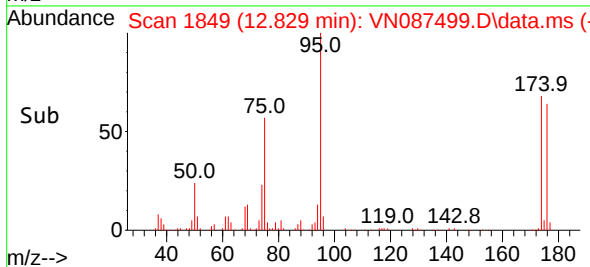
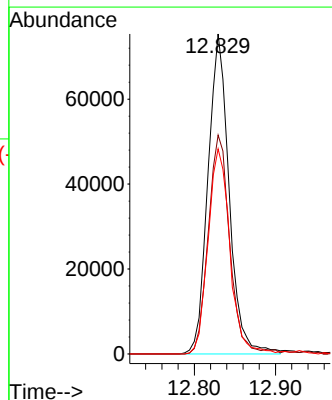
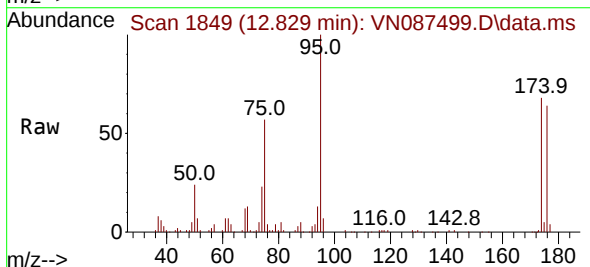
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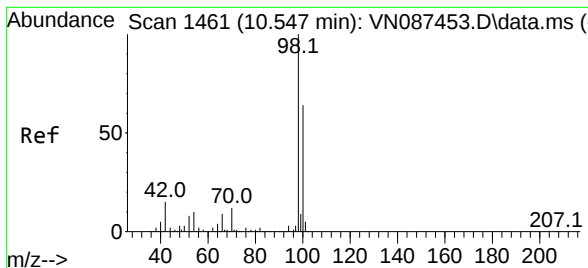
Reviewed By :Mahesh Dadoda 08/11/2025
Supervised By :Semsettin Yesilyurt 08/11/2025



#60
4-Bromofluorobenzene
Concen: 28.323 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

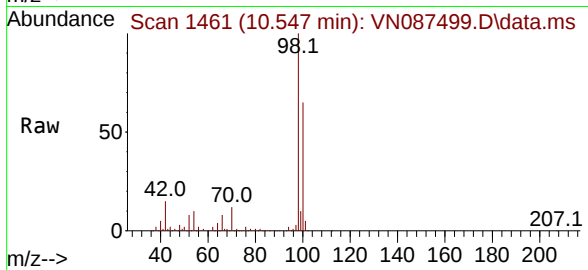
Tgt Ion: 95 Resp: 136373
Ion Ratio Lower Upper
95 100
174 68.7 52.3 78.5
176 66.1 49.8 74.8





#63
Toluene-d8
Concen: 30.432 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

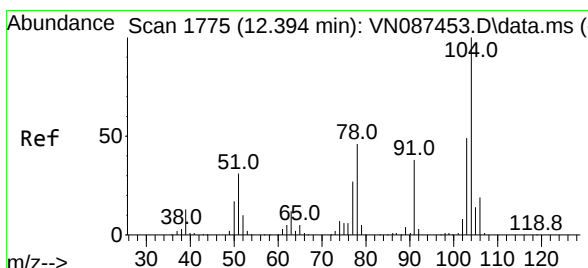
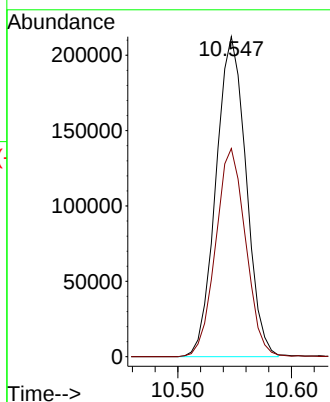
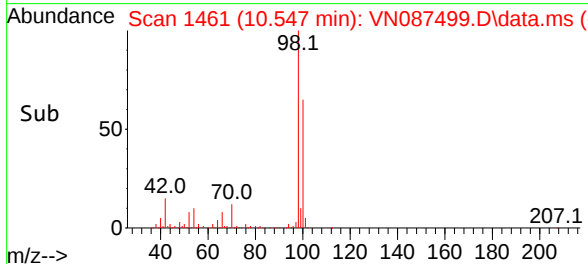
Instrument :
MSVOA_N
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EFF-WASTE WATER



Tgt Ion: 98 Resp: 391775
Ion Ratio Lower Upper
98 100
100 64.7 50.5 75.7

Manual Integrations
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Supervised By :Semsettin Yesilyurt 08/11/2025



#69
Styrene
Concen: 0.414 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN087499.D
Acq: 08 Aug 2025 15:30

Tgt Ion:104 Resp: 4911
Ion Ratio Lower Upper
104 100
78 53.9 43.8 65.8
103 49.0 43.1 64.7

