

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
 Data File : VN086833.D
 Acq On : 30 May 2025 14:37
 Operator : JC\MD
 Sample : PB168191ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168191ZHE#04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 31 03:48:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	52841	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	316542	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	267158	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	114241	31.467	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.900%			
60) 4-Bromofluorobenzene	12.847	95	119870	28.578	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.267%			
63) Toluene-d8	10.565	98	369835	30.161	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.533%			
Target Compounds						
						Qvalue
3) Chloromethane	2.377	50	22301m	4.820	ug/l	
12) Methyl Acetate	5.006	43	23433	6.771	ug/l	94
15) Acetone	4.412	58	13486	33.073	ug/l	82
18) Methylene Chloride	5.253	84	9970m	2.755	ug/l	
43) Ethyl Acetate	7.553	43	16603	3.979	ug/l	99
44) Isopropyl Acetate	8.682	43	20428	2.854	ug/l	90

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

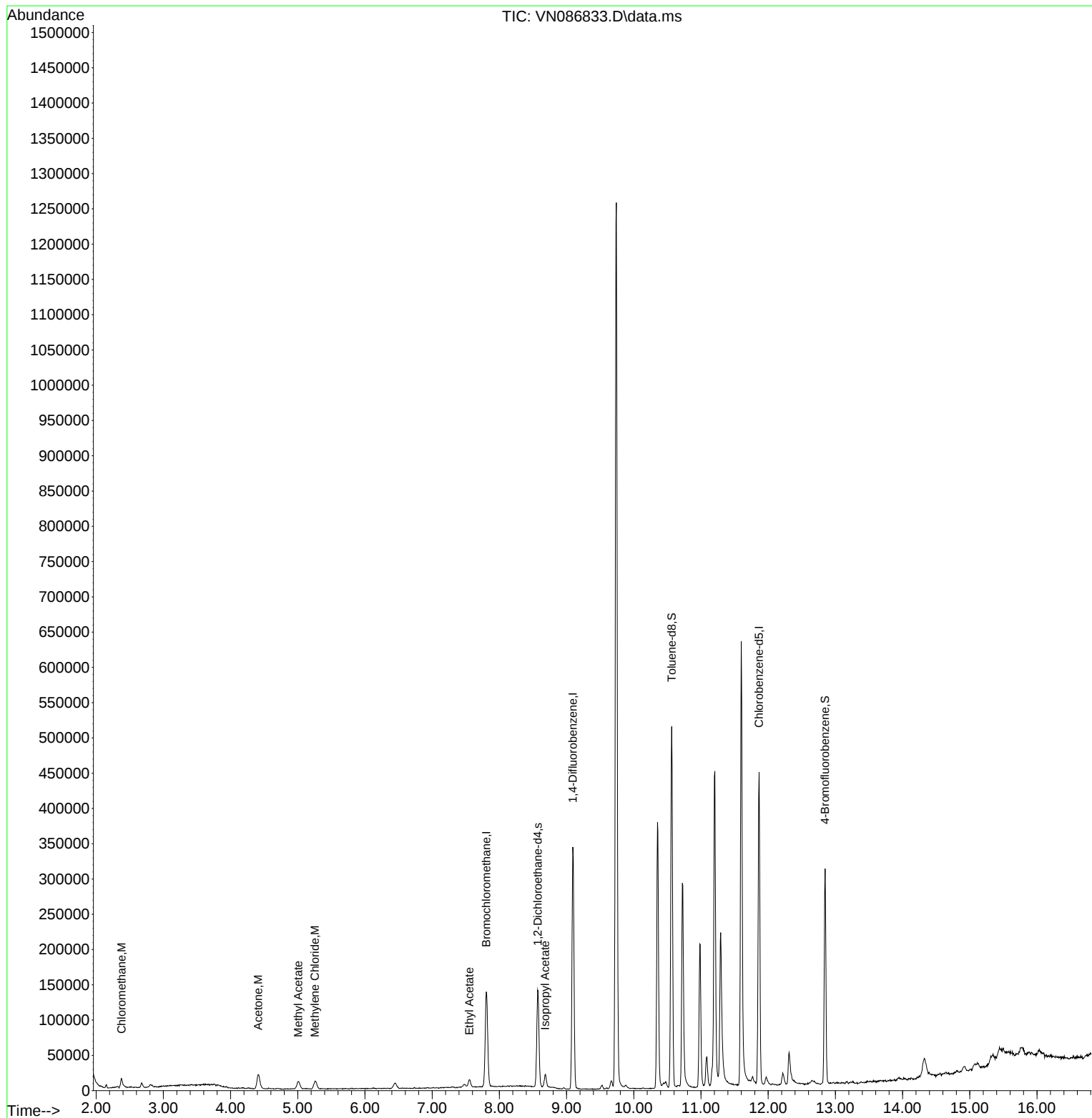
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
Data File : VN086833.D
Acq On : 30 May 2025 14:37
Operator : JC\MD
Sample : PB168191ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

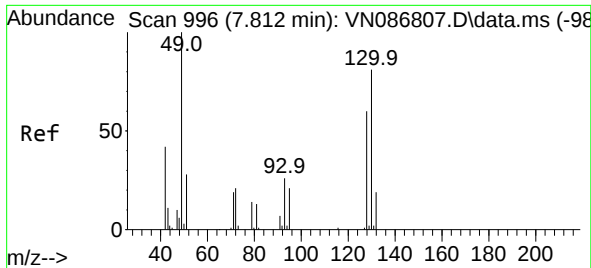
Instrument :
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ClientSampleId :
PB168191ZHE#04

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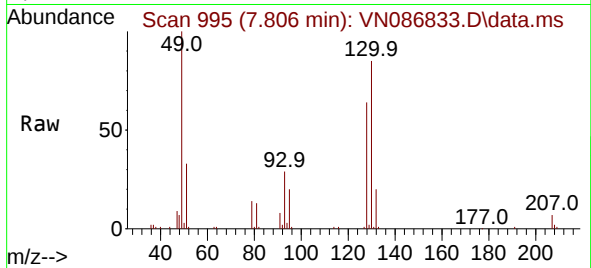
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 30 02:22:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

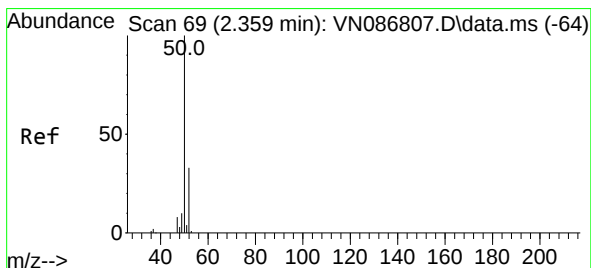
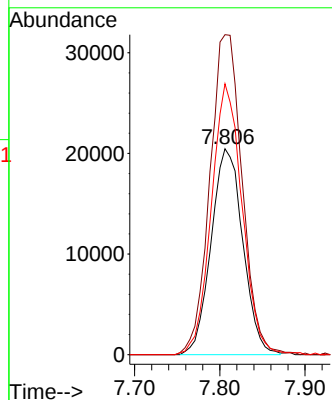
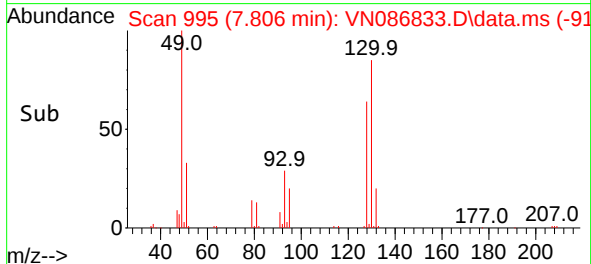
Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#04



Tgt Ion:128 Resp: 5284
Ion Ratio Lower Upper
128 100
49 158.1 0.0 404.5
130 127.7 0.0 322.2

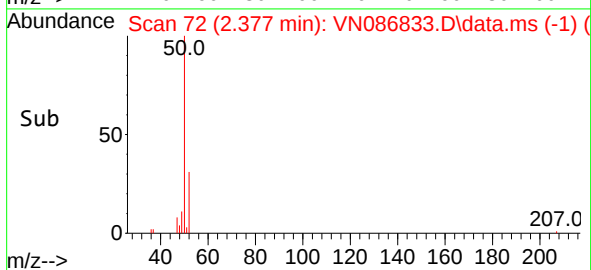
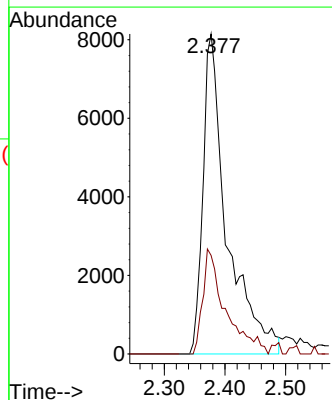
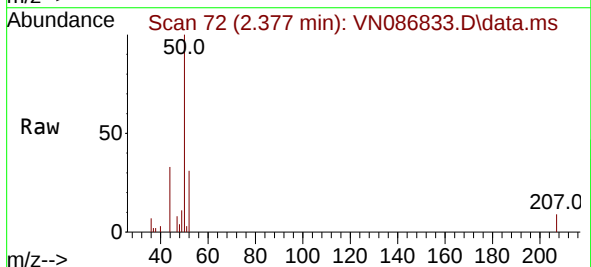
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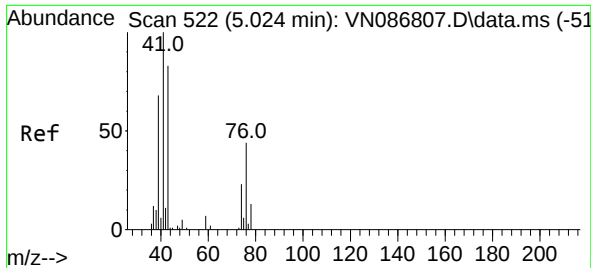
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#3
Chloromethane
Concen: 4.820 ug/l m
RT: 2.377 min Scan# 72
Delta R.T. 0.018 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

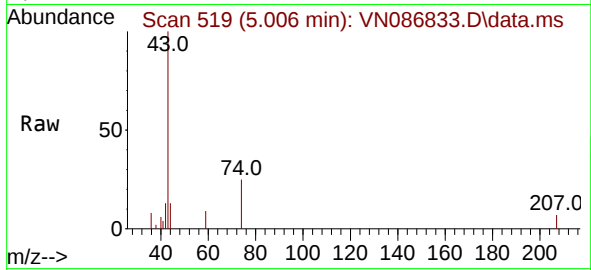
Tgt Ion: 50 Resp: 22301
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0





#12
Methyl Acetate
Concen: 6.771 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

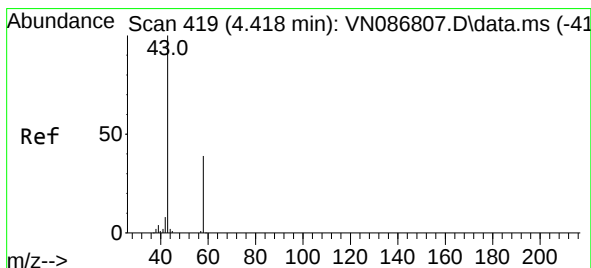
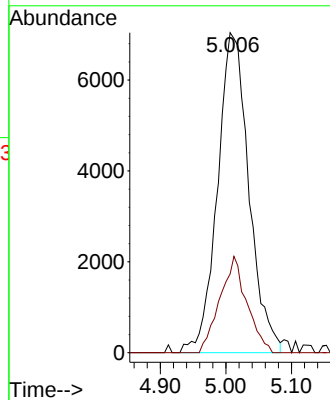
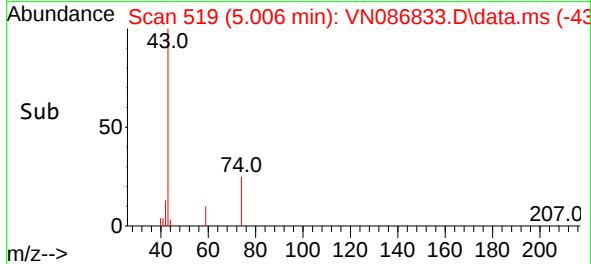
Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#04



Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
74 25.0 22.7 34.1

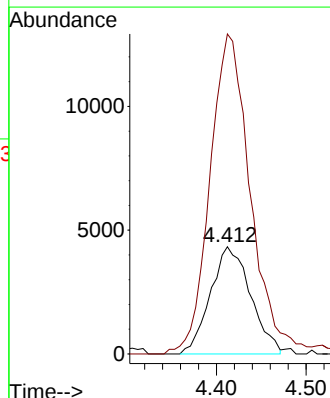
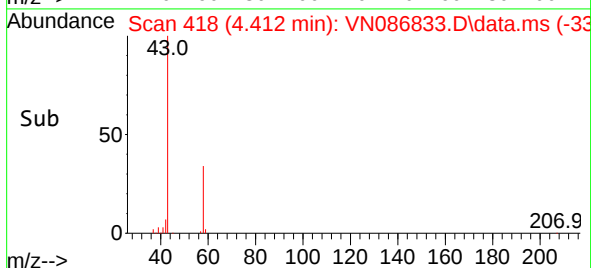
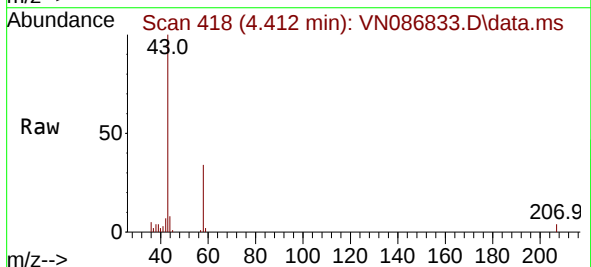
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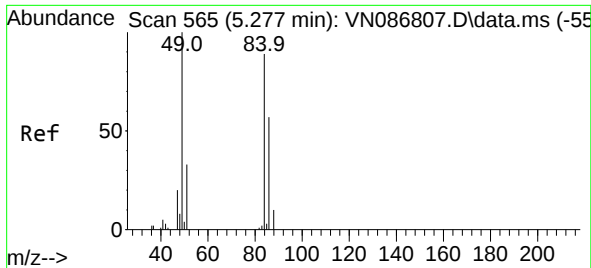
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#15
Acetone
Concen: 33.073 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

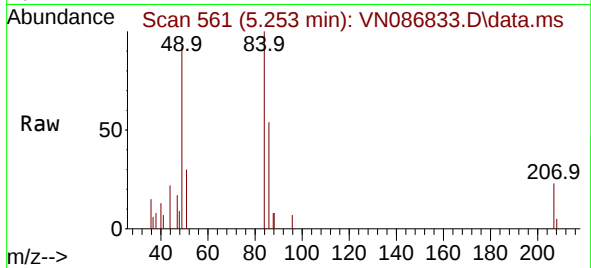
Tgt Ion: 58 Resp: 13486
Ion Ratio Lower Upper
58 100
43 291.0 207.7 311.5





#18
Methylene Chloride
Concen: 2.755 ug/l m
RT: 5.253 min Scan# 50
Delta R.T. -0.024 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

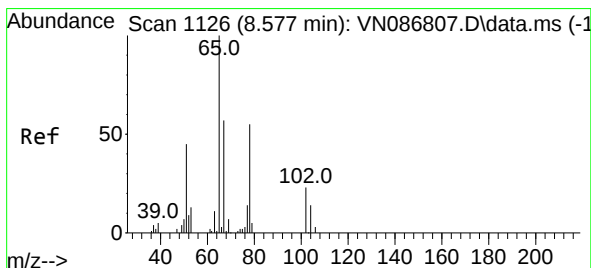
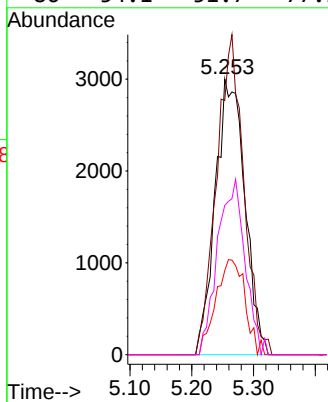
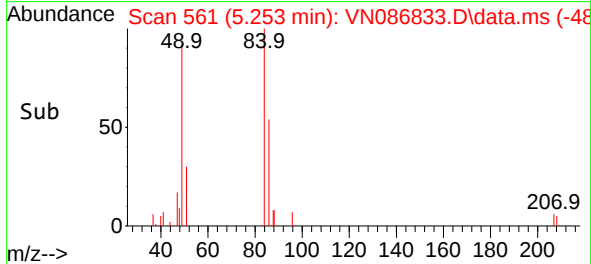
Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#04



Tgt Ion: 84 Resp: 9970
Ion Ratio Lower Upper
84 100
49 92.2 89.9 134.9
51 30.4 29.6 44.4
86 54.1 51.7 77.5

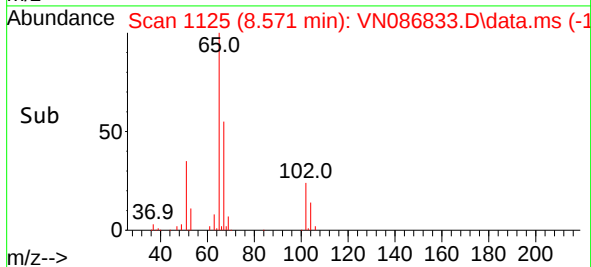
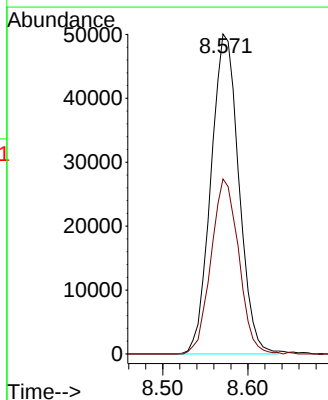
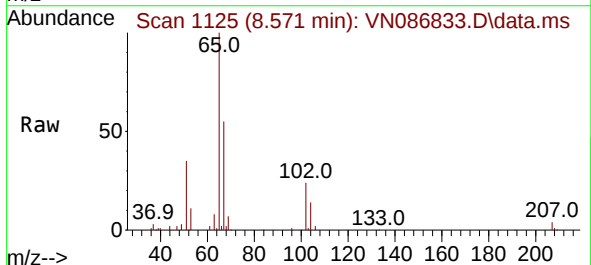
Manual Integrations
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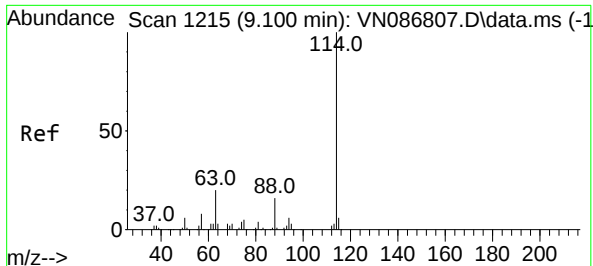
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#27
1,2-Dichloroethane-d4
Concen: 31.467 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

Tgt Ion: 65 Resp: 114241
Ion Ratio Lower Upper
65 100
67 54.1 44.6 67.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN086833.D

Acq: 30 May 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

PB168191ZHE#04

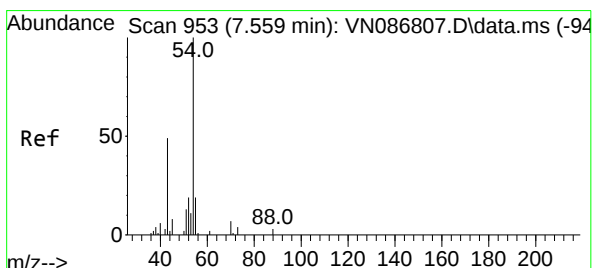
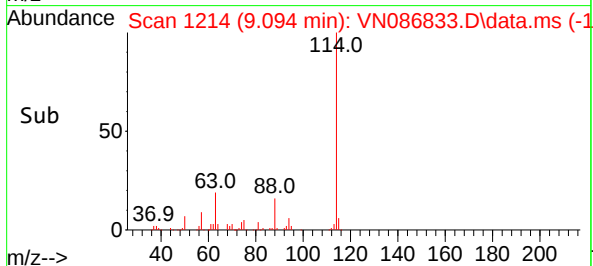
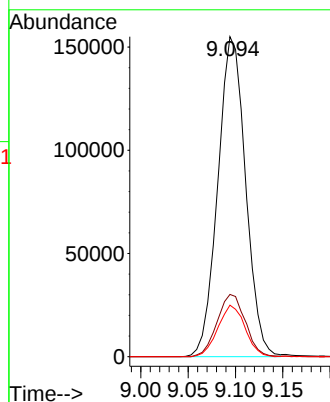
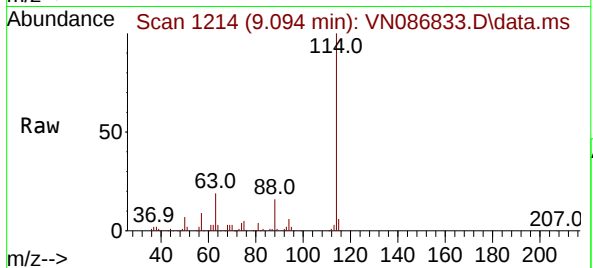
Tgt Ion:	114	Resp:	31654
Ion Ratio	Lower	Upper	
114	100		
63	19.8	15.8	23.8
88	15.7	12.9	19.3

Manual Integrations

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Reviewed By :John Carlone 06/02/2025

Supervised By :Mahesh Dadoda 06/02/2025



#43

Ethyl Acetate

Concen: 3.979 ug/l

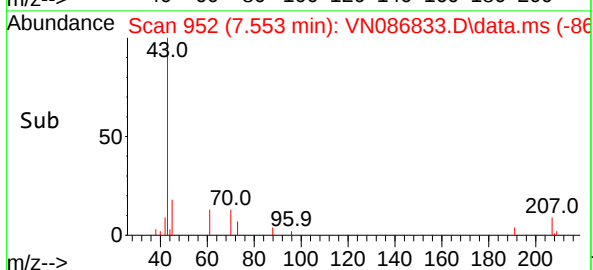
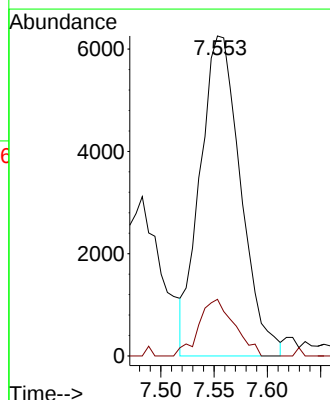
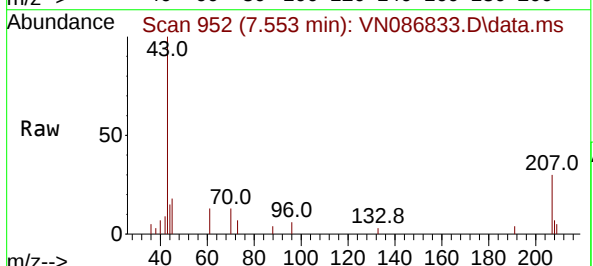
RT: 7.553 min Scan# 952

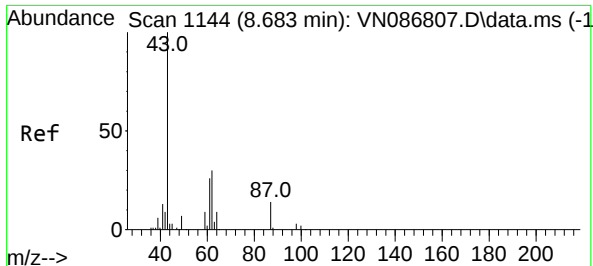
Delta R.T. -0.006 min

Lab File: VN086833.D

Acq: 30 May 2025 14:37

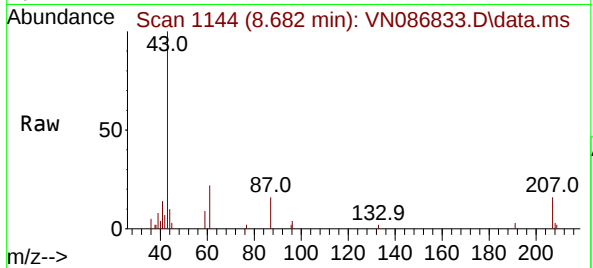
Tgt Ion:	43	Resp:	16603
Ion Ratio	Lower	Upper	
43	100		
45	14.2	11.1	16.7





#44
Isopropyl Acetate
Concen: 2.854 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

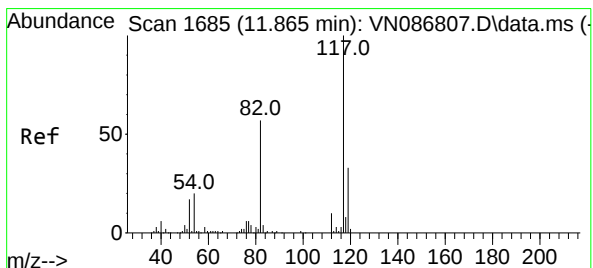
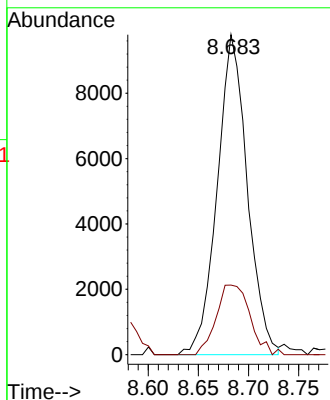
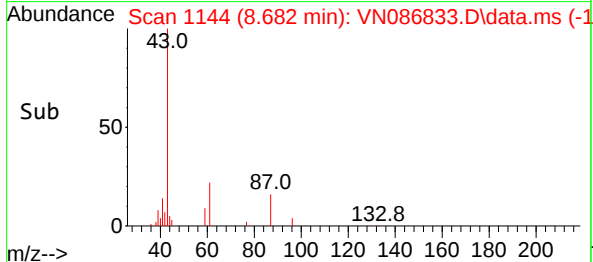
Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#04



Tgt Ion: 43 Resp: 20428
Ion Ratio Lower Upper
43 100
61 24.1 23.8 35.6

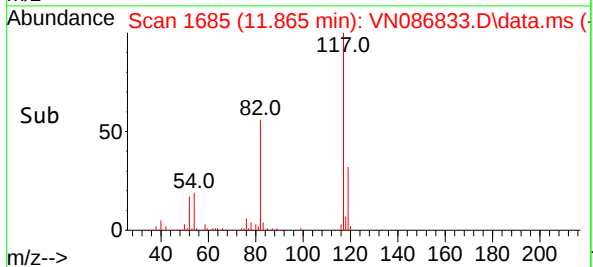
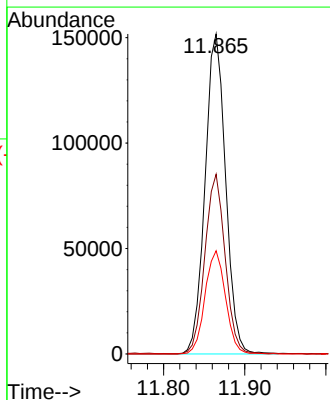
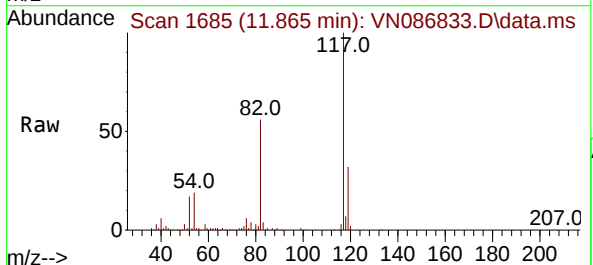
Manual Integrations
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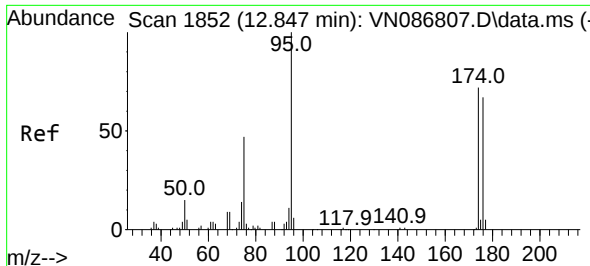
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

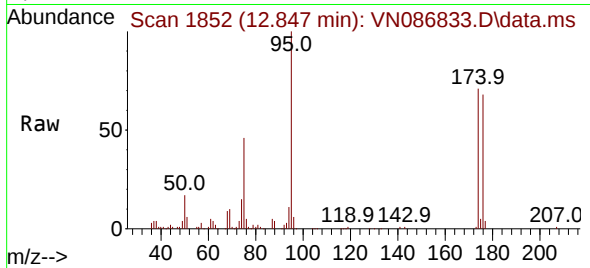
Tgt Ion:117 Resp: 267158
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 32.0 25.6 38.4





#60
4-Bromofluorobenzene
Concen: 28.578 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

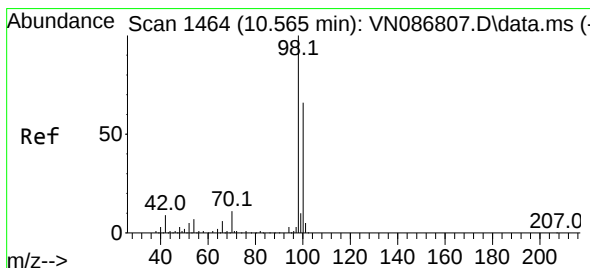
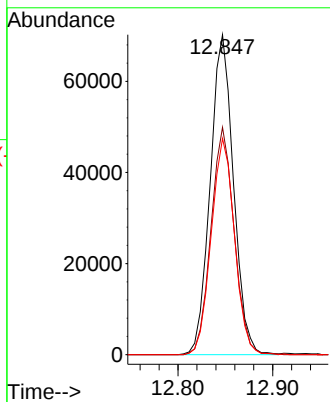
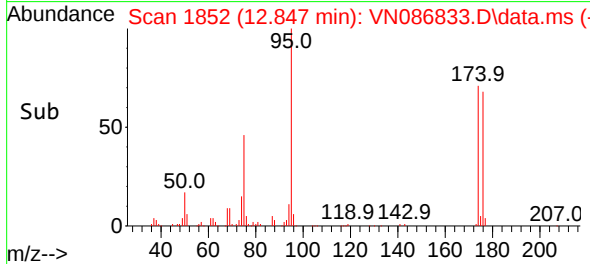
Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#04



Tgt Ion: 95 Resp: 119870
Ion Ratio Lower Upper
95 100
174 70.7 56.2 84.4
176 67.5 53.4 80.0

Manual Integrations
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Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#63
Toluene-d8
Concen: 30.161 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086833.D
Acq: 30 May 2025 14:37

Tgt Ion: 98 Resp: 369835
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1

