

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086270.D
 Acq On : 14 Apr 2025 15:38
 Operator : JC\MD
 Sample : PB167573ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#10

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 15 03:12:18 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	33620	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	205871	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	182708	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	99877	30.458	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.533%			
60) 4-Bromofluorobenzene	12.847	95	102722	28.239	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.133%			
63) Toluene-d8	10.565	98	308453	29.904	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.667%			
Target Compounds						Qvalue
12) Methyl Acetate	5.036	43	5101m	1.411	ug/l	95
15) Acetone	4.424	58	12273m	31.716	ug/l	
18) Methylene Chloride	5.277	84	8173	2.800	ug/l	
44) Isopropyl Acetate	8.688	43	42914m	5.612	ug/l	

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

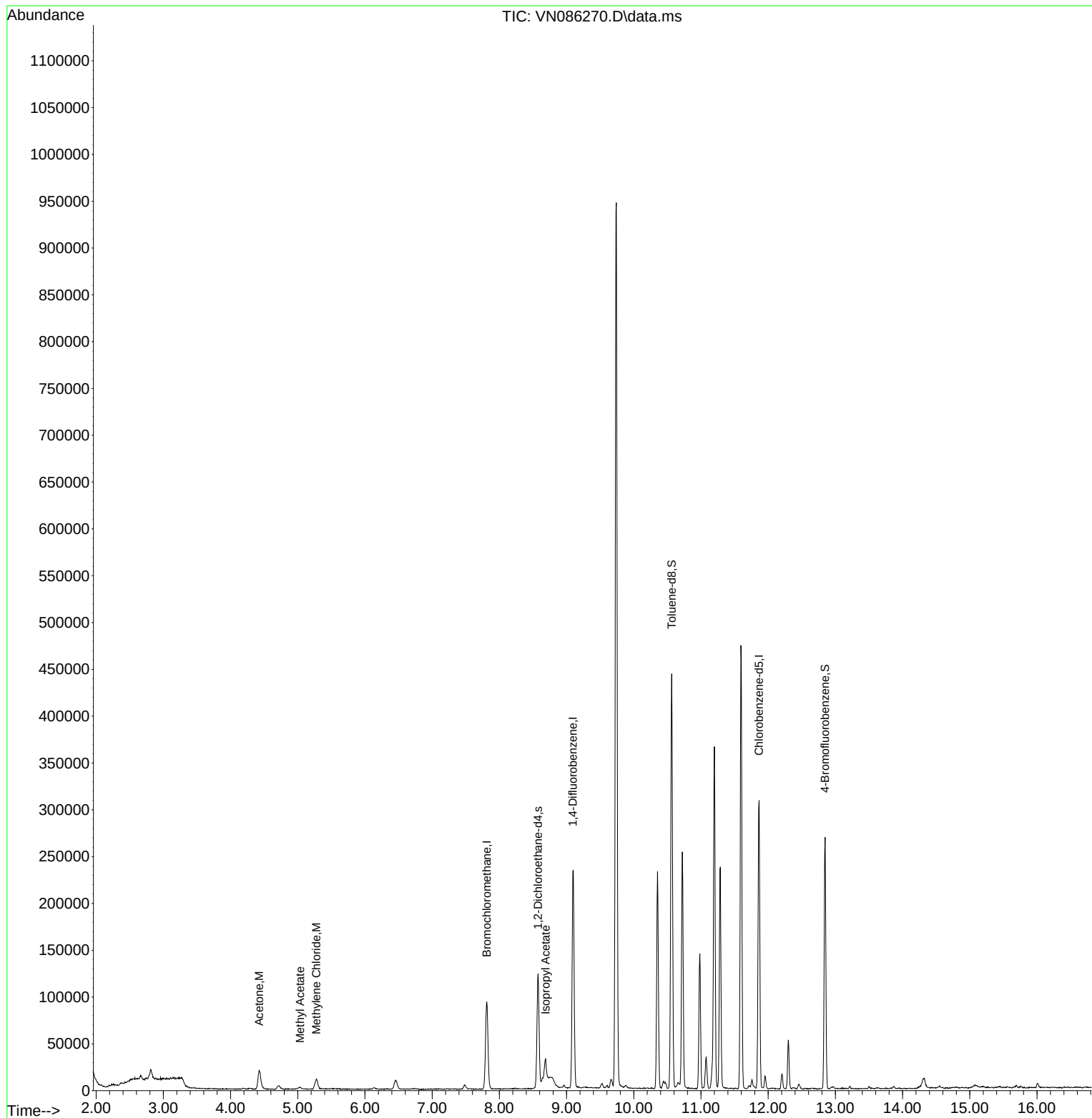
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
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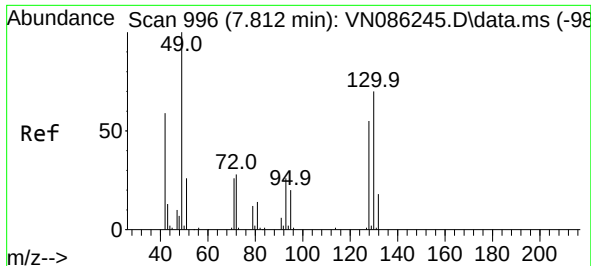
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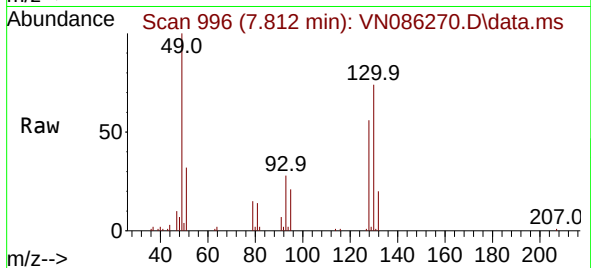
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38

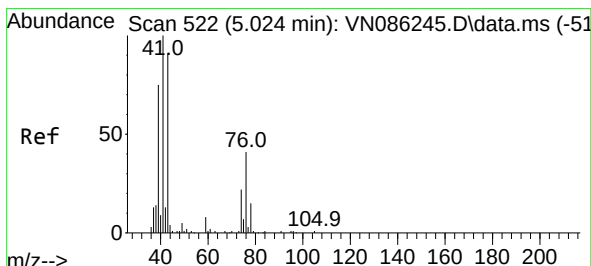
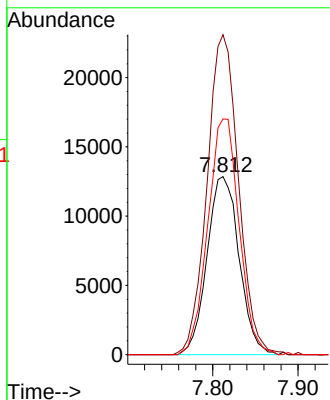
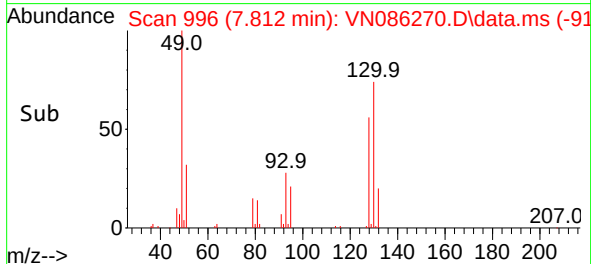
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#10



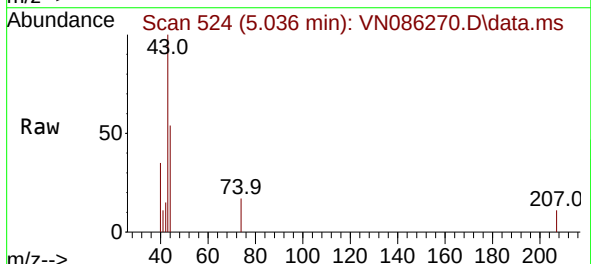
Tgt Ion:128 Resp: 33620
Ion Ratio Lower Upper
128 100
49 176.2 0.0 452.5
130 129.3 0.0 315.0

Manual Integrations
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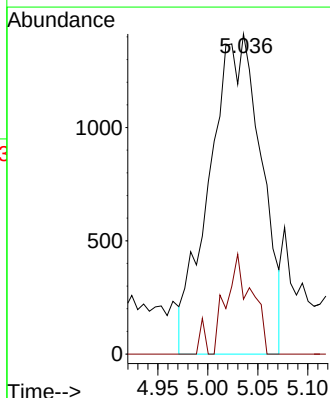
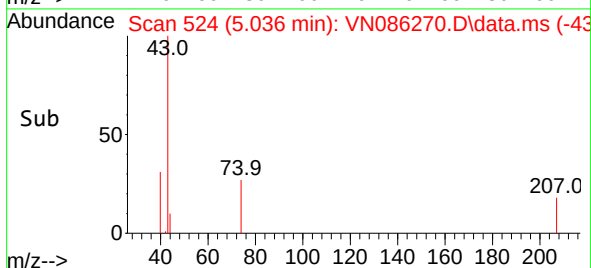
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

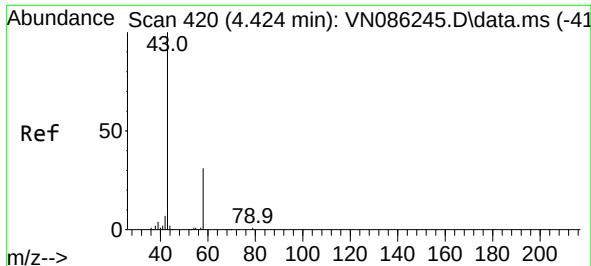


#12
Methyl Acetate
Concen: 1.411 ug/l m
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38



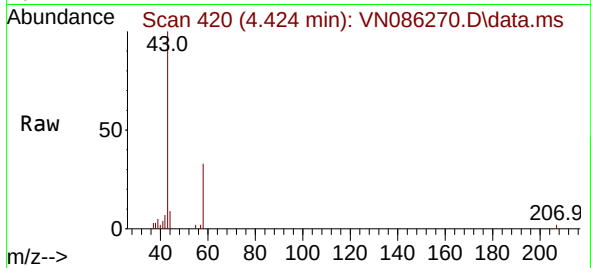
Tgt Ion: 43 Resp: 5101
Ion Ratio Lower Upper
43 100
74 17.1 19.1 28.7#





#15
Acetone
Concen: 31.716 ug/l m
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38

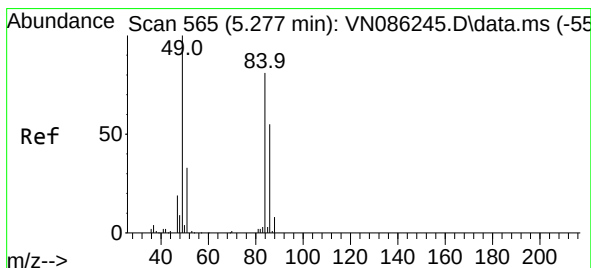
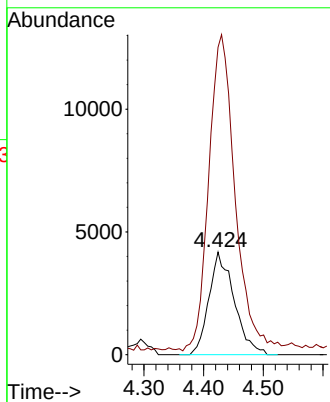
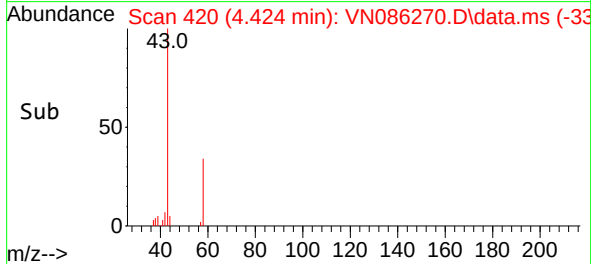
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#10



Tgt Ion: 58 Resp: 1227
Ion Ratio Lower Upper
58 100
43 299.6 261.8 392.8

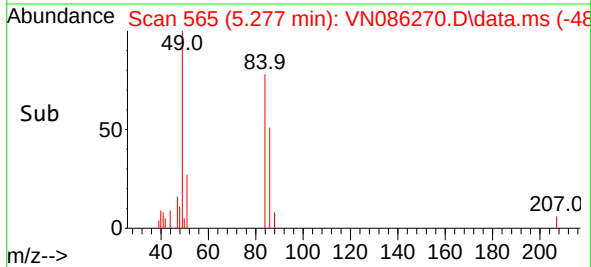
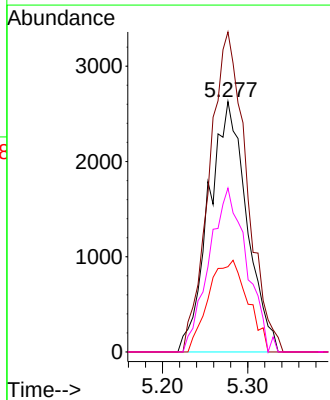
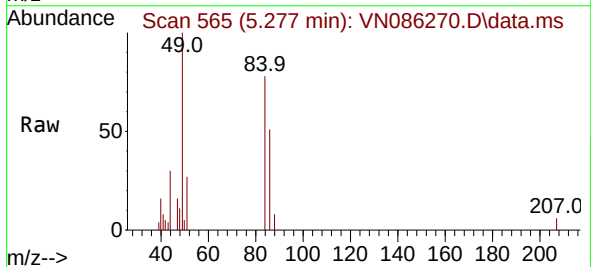
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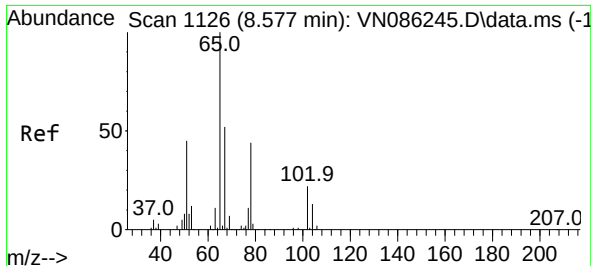
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methylene Chloride
Concen: 2.800 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38

Tgt Ion: 84 Resp: 8173
Ion Ratio Lower Upper
84 100
49 127.8 99.1 148.7
51 34.0 32.3 48.5
86 65.5 55.0 82.4





#27

1,2-Dichloroethane-d4

Concen: 30.458 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086270.D

Acq: 14 Apr 2025 15:38

Instrument :

MSVOA_N

ClientSampleId :

PB167573ZHE#10

Tgt Ion: 65 Resp: 9987

Ion Ratio Lower Upper

65 100

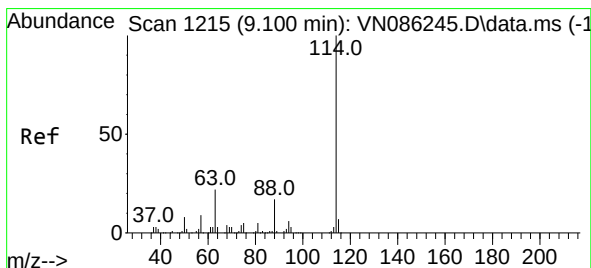
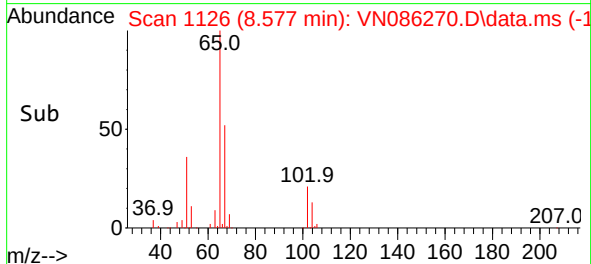
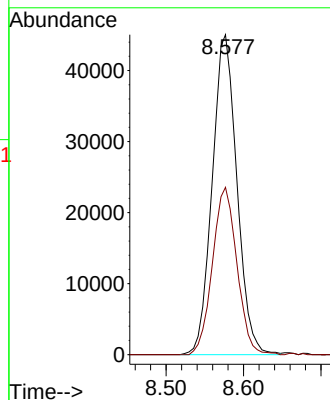
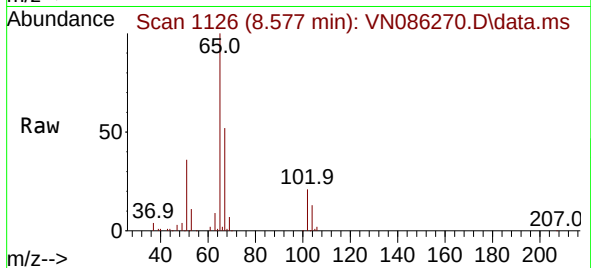
67 51.9 43.4 65.2

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086270.D

Acq: 14 Apr 2025 15:38

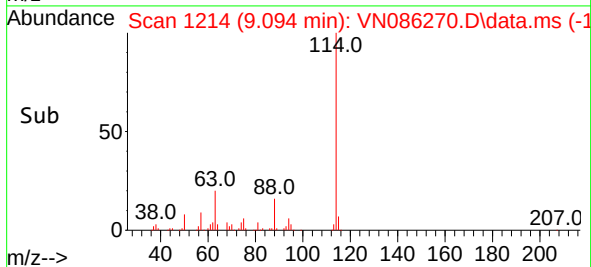
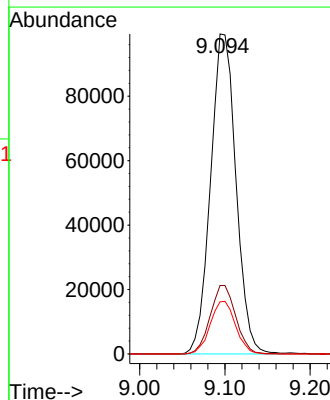
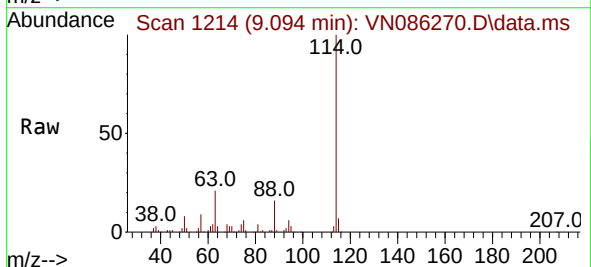
Tgt Ion:114 Resp: 205871

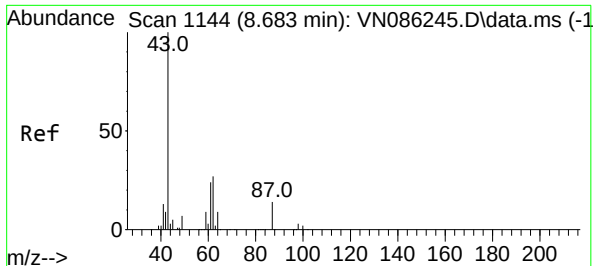
Ion Ratio Lower Upper

114 100

63 21.5 17.8 26.6

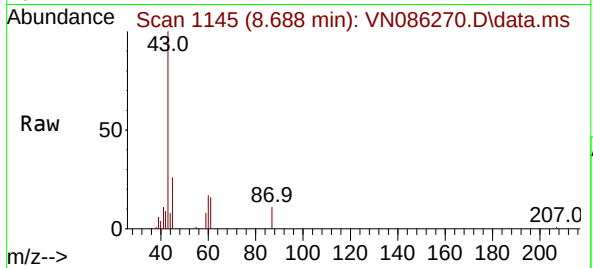
88 16.4 13.4 20.2





#44
Isopropyl Acetate
Concen: 5.612 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38

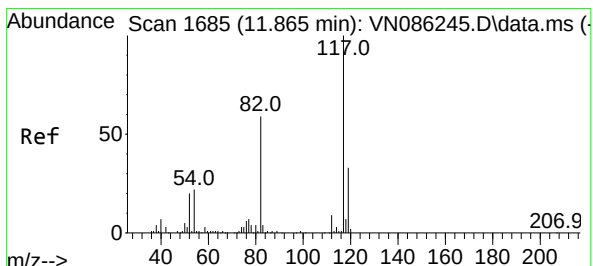
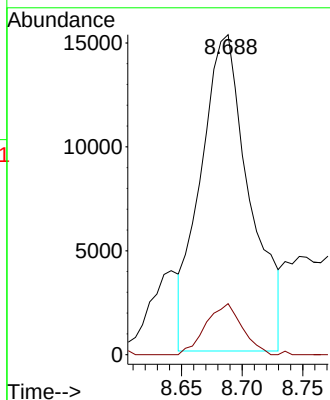
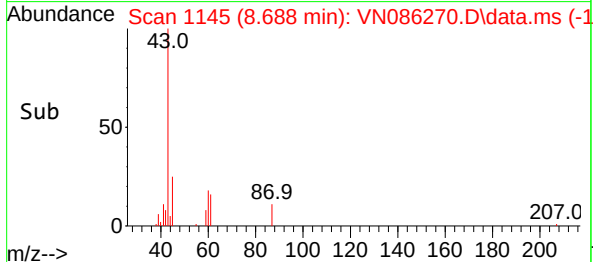
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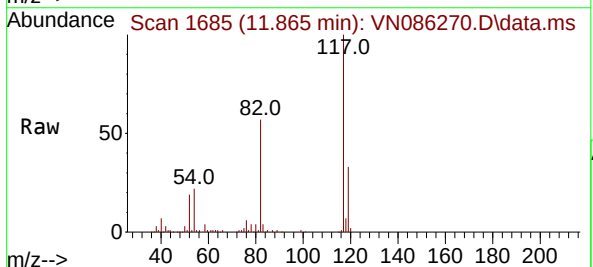
Tgt Ion: 43 Resp: 42914
Ion Ratio Lower Upper
43 100
61 11.9 20.5 30.7

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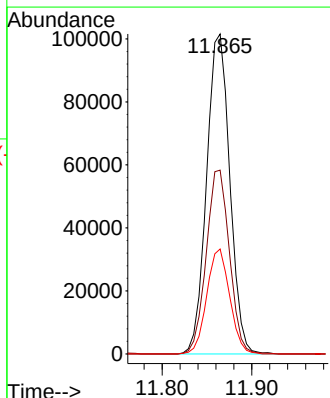
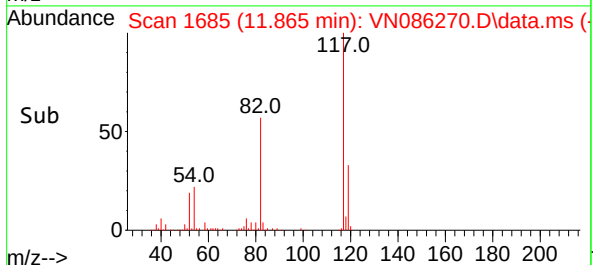
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

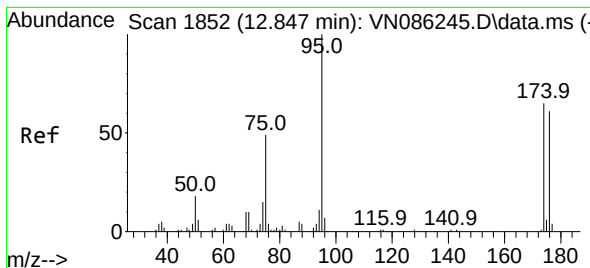


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38



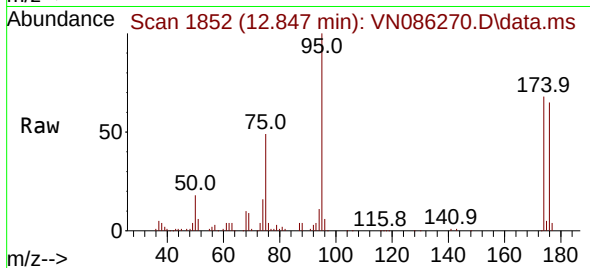
Tgt Ion:117 Resp: 182708
Ion Ratio Lower Upper
117 100
82 57.5 47.3 70.9
119 32.4 25.9 38.9





#60
4-Bromofluorobenzene
Concen: 28.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38

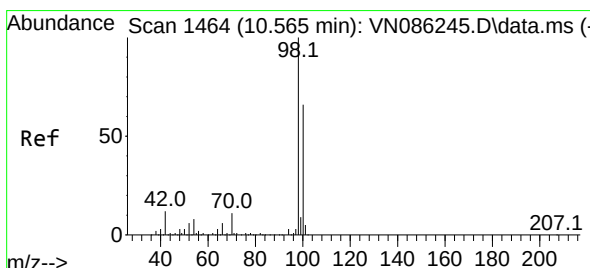
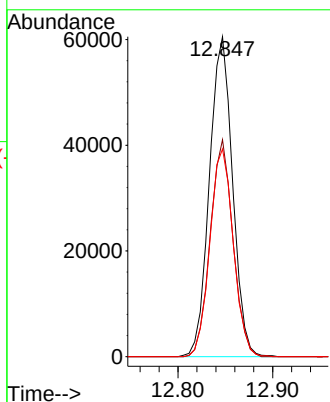
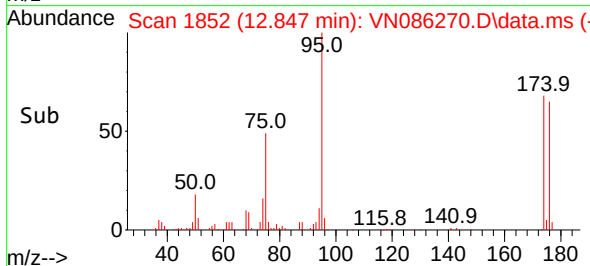
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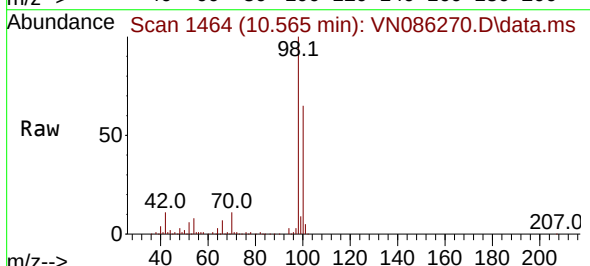
Tgt Ion: 95 Resp: 102722
Ion Ratio Lower Upper
95 100
174 66.5 52.7 79.1
176 65.6 49.8 74.8

Manual Integrations
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#63
Toluene-d8
Concen: 29.904 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086270.D
Acq: 14 Apr 2025 15:38



Tgt Ion: 98 Resp: 308453
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

