

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086267.D
 Acq On : 14 Apr 2025 14:26
 Operator : JC\MD
 Sample : PB167573ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#07

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 03:10:42 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	33770	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	204686	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	182568	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	99882	30.324	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.067%			
60) 4-Bromofluorobenzene	12.847	95	102439	28.182	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.933%			
63) Toluene-d8	10.565	98	307732	29.857	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.533%			
Target Compounds						
						Qvalue
12) Methyl Acetate	5.024	43	5187m	1.428	ug/l	
15) Acetone	4.424	58	13220	34.011	ug/l	84
16) Carbon Disulfide	4.712	76	8357	1.133	ug/l	97
18) Methylene Chloride	5.271	84	9378	3.199	ug/l	89
44) Isopropyl Acetate	8.688	43	36380m	4.785	ug/l	

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

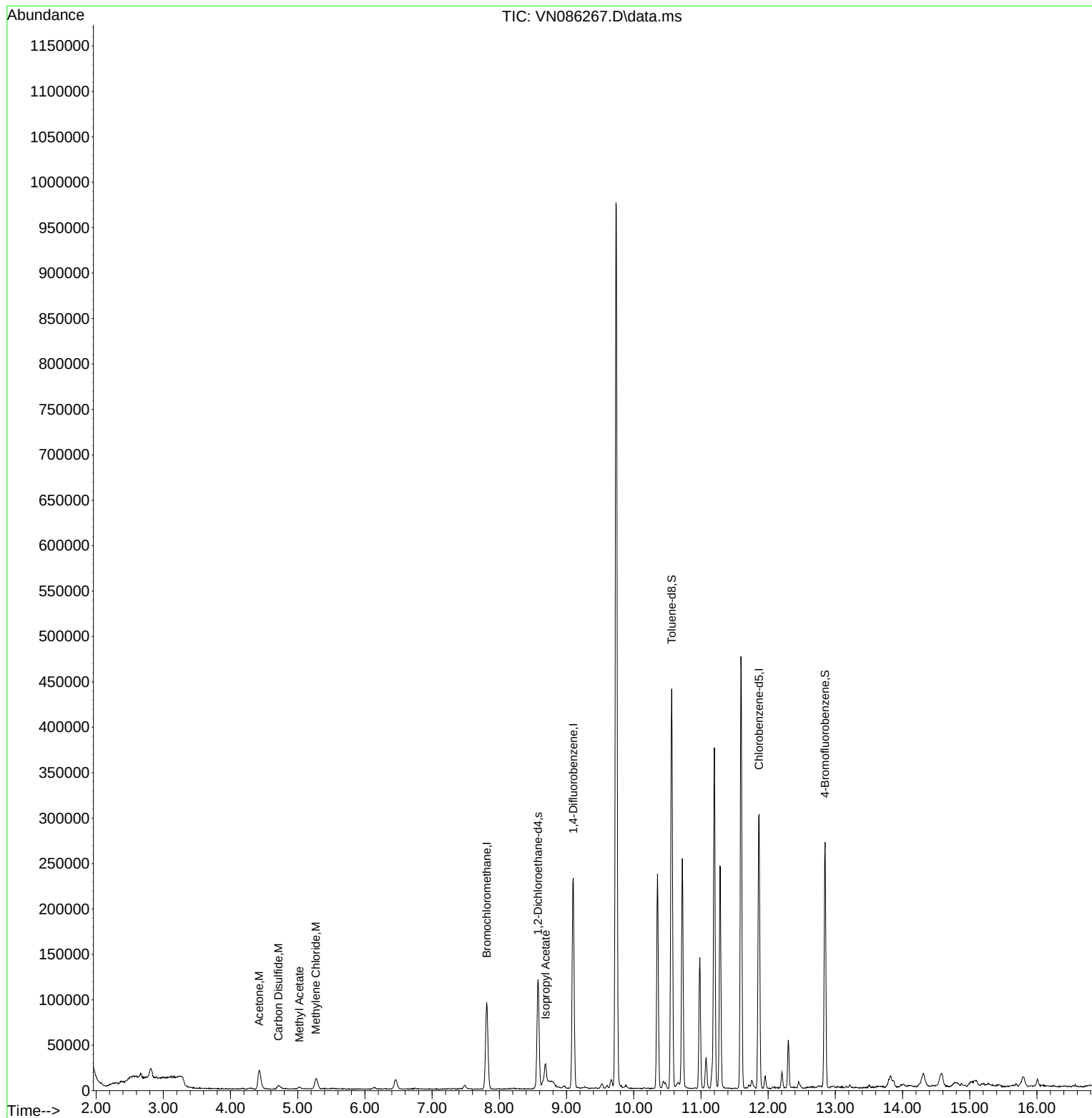
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
Data File : VN086267.D
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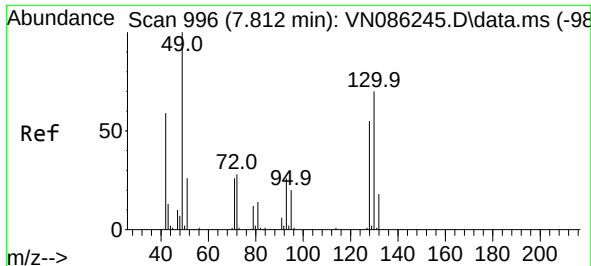
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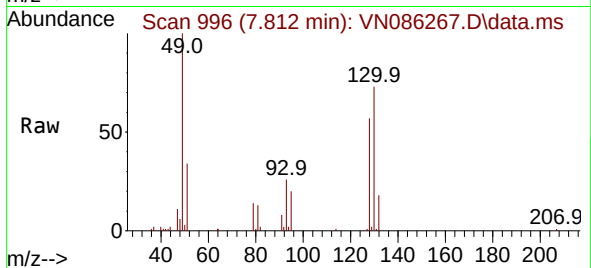
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26

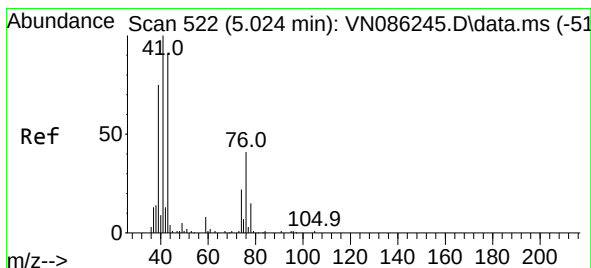
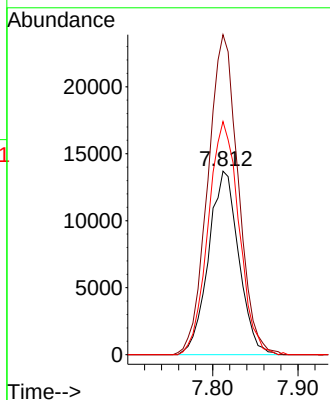
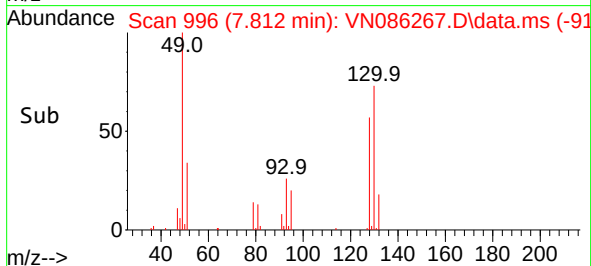
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#07



Tgt Ion:128 Resp: 33770
Ion Ratio Lower Upper
128 100
49 175.6 0.0 452.5
130 129.7 0.0 315.0

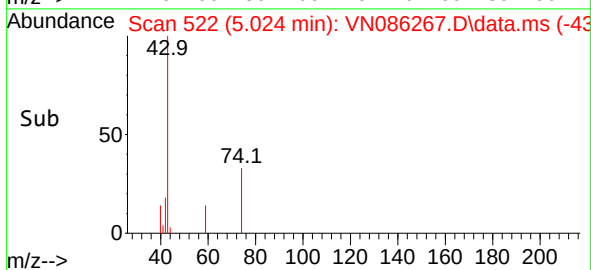
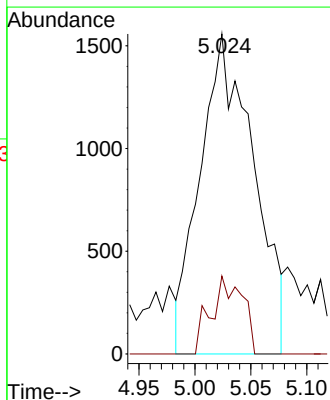
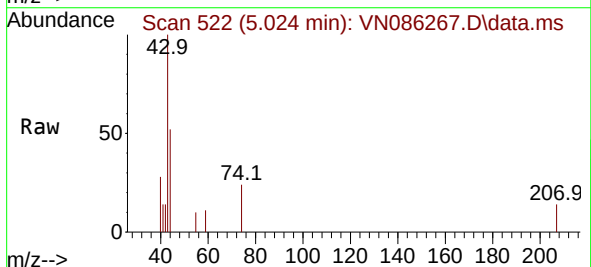
Manual Integrations
APPROVED

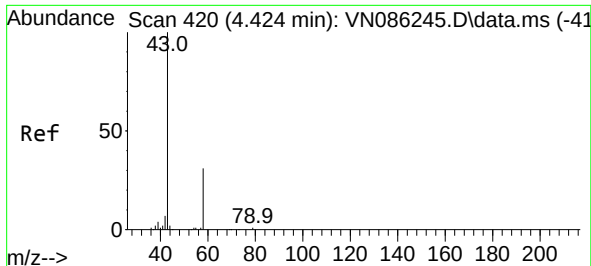
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
Methyl Acetate
Concen: 1.428 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26

Tgt Ion: 43 Resp: 5187
Ion Ratio Lower Upper
43 100
74 24.3 19.1 28.7





#15

Acetone

Concen: 34.011 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086267.D

Acq: 14 Apr 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

PB167573ZHE#07

Tgt Ion: 58 Resp: 13220

Ion Ratio Lower Upper

58 100

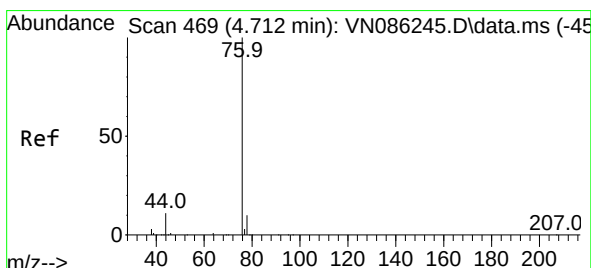
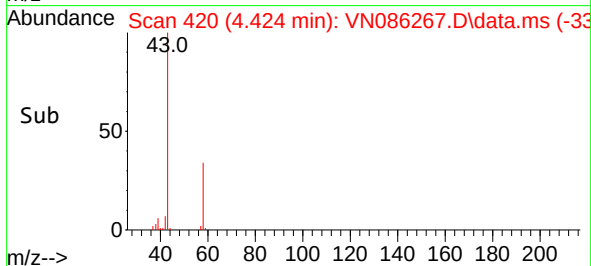
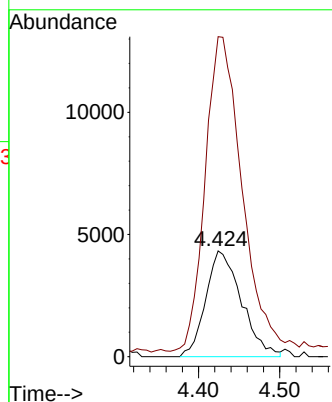
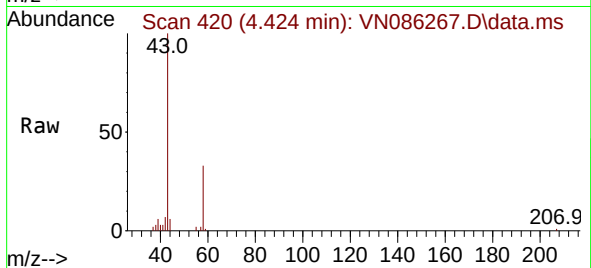
43 294.4 261.8 392.8

Manual Integrations

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#16

Carbon Disulfide

Concen: 1.133 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086267.D

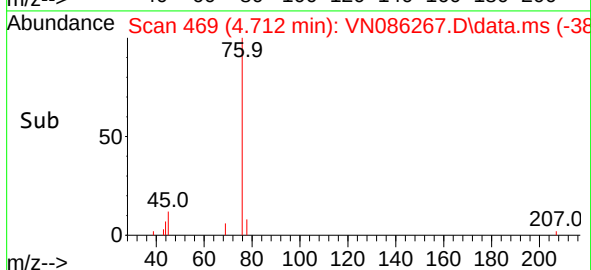
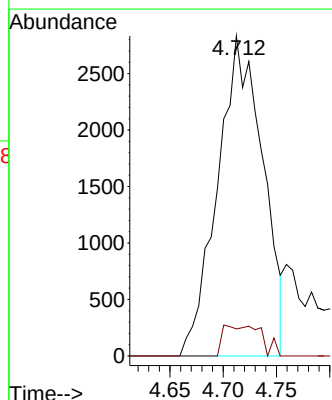
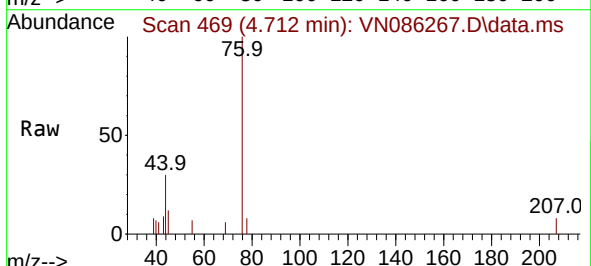
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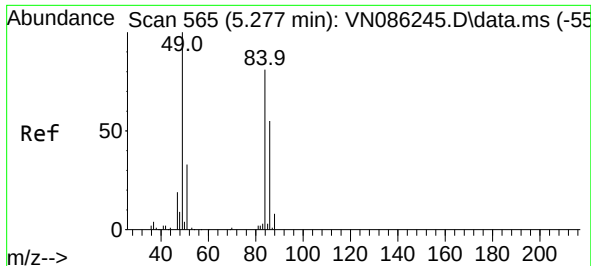
Tgt Ion: 76 Resp: 8357

Ion Ratio Lower Upper

76 100

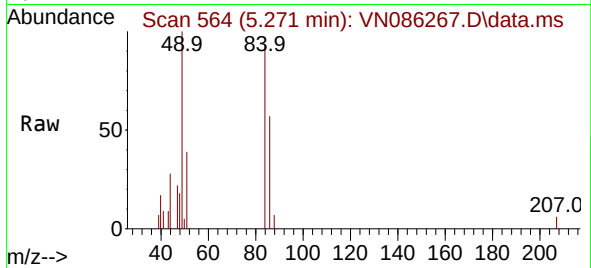
78 8.4 7.7 11.5





#18
Methylene Chloride
Concen: 3.199 ug/l
RT: 5.271 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26

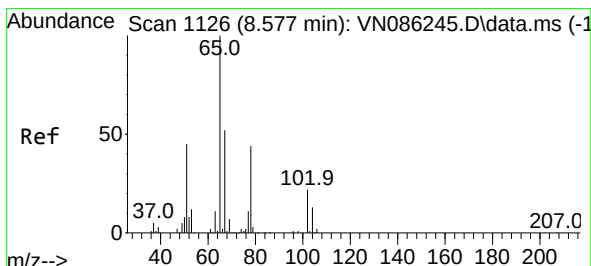
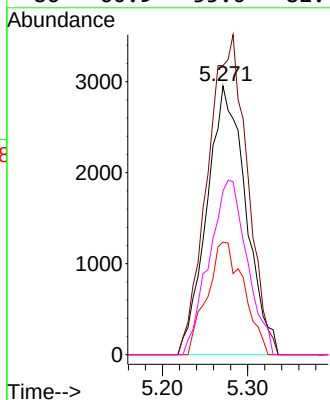
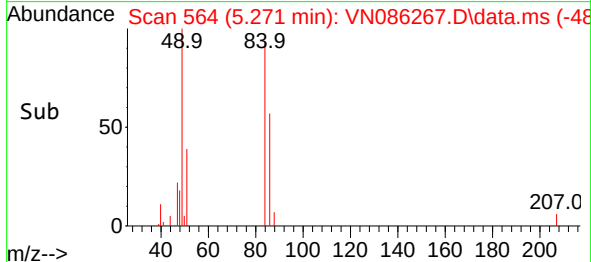
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#07



Tgt Ion: 84 Resp: 9378
Ion Ratio Lower Upper
84 100
49 107.6 99.1 148.7
51 41.9 32.3 48.5
86 60.9 55.0 82.4

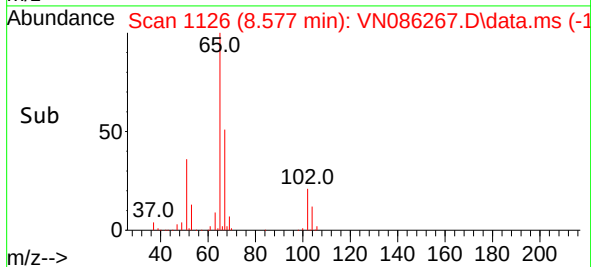
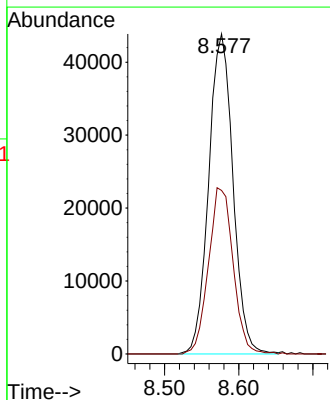
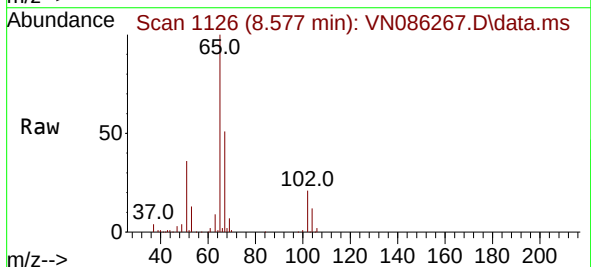
Manual Integrations
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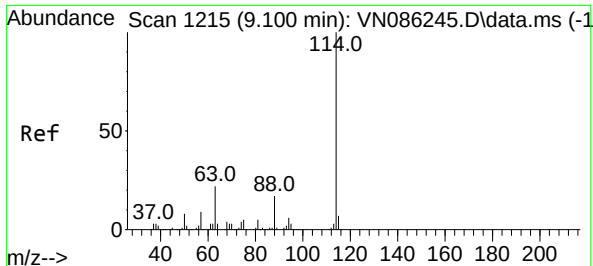
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#27
1,2-Dichloroethane-d4
Concen: 30.324 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26

Tgt Ion: 65 Resp: 99882
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: VN086267.D

Acq: 14 Apr 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

PB167573ZHE#07

Tgt Ion: 114 Resp: 204680

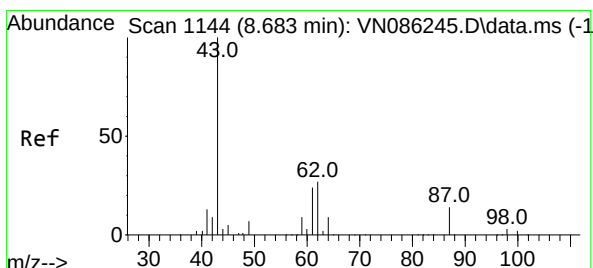
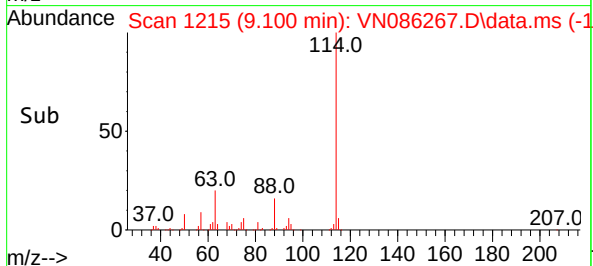
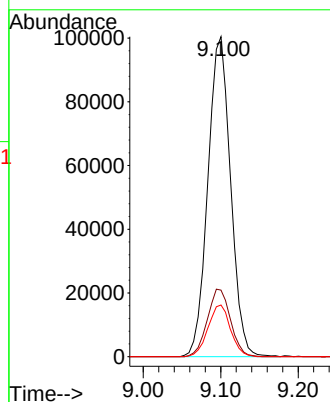
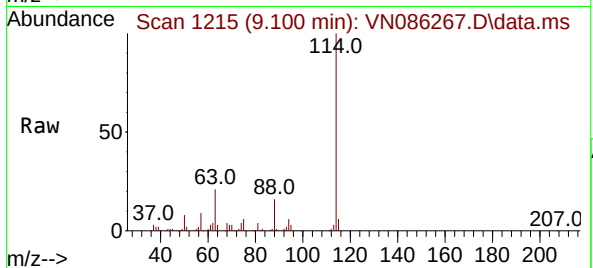
Ion	Ratio	Lower	Upper
114	100		
63	21.5	17.8	26.6
88	16.0	13.4	20.2

Manual Integrations

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Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Isopropyl Acetate

Concen: 4.785 ug/l m

RT: 8.688 min Scan# 1145

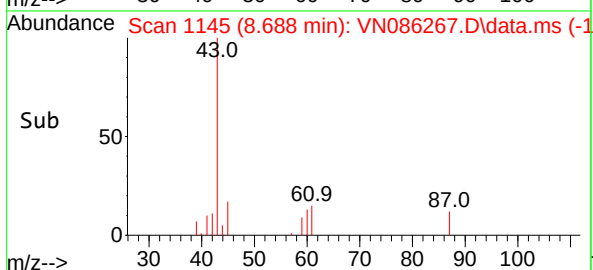
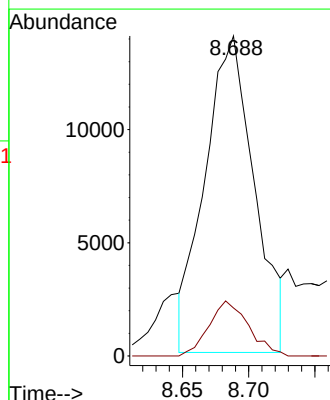
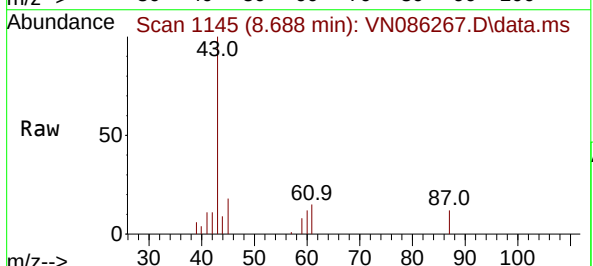
Delta R.T. 0.006 min

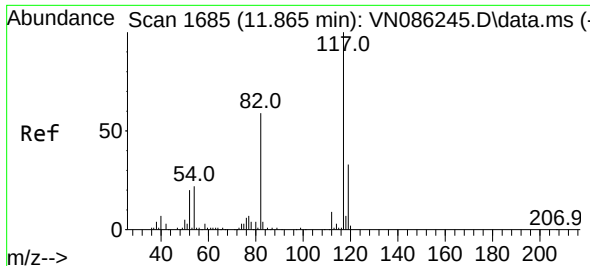
Lab File: VN086267.D

Acq: 14 Apr 2025 14:26

Tgt Ion: 43 Resp: 36380

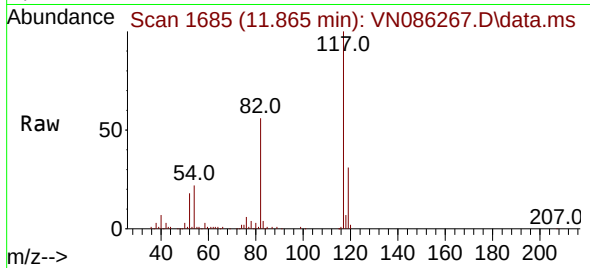
Ion	Ratio	Lower	Upper
43	100		
61	14.0	20.5	30.7#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26

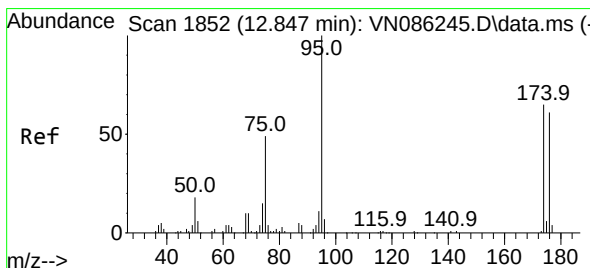
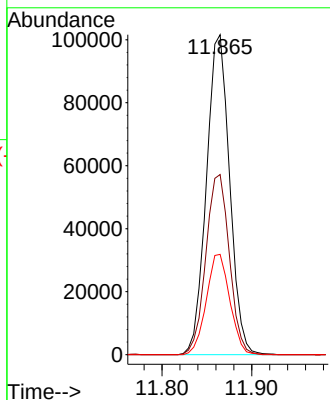
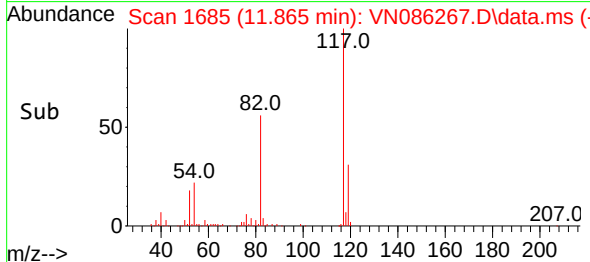
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#07



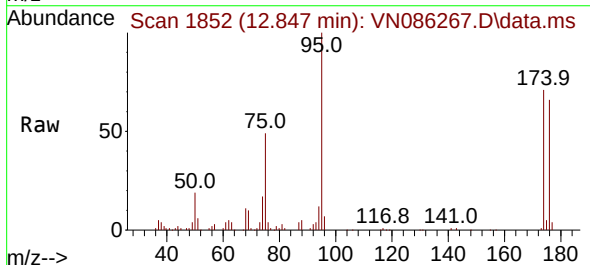
Tgt Ion: 117 Resp: 182568
Ion Ratio Lower Upper
117 100
82 57.1 47.3 70.9
119 31.8 25.9 38.9

Manual Integrations
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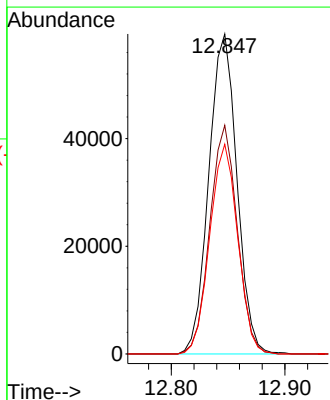
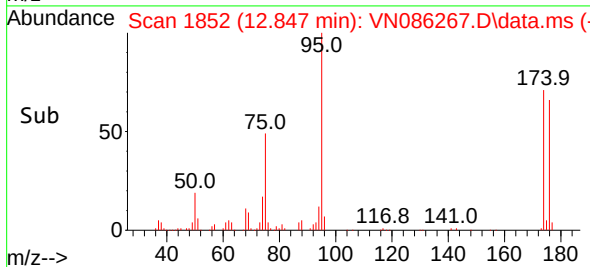
Reviewed By :John Carlone 04/16/2025
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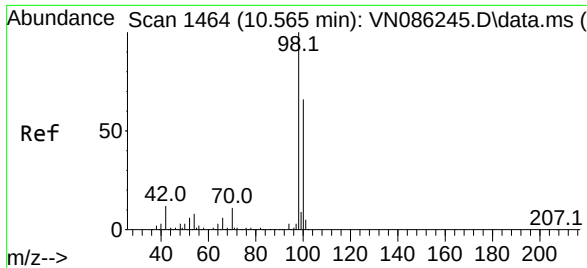


#60
4-Bromofluorobenzene
Concen: 28.182 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26



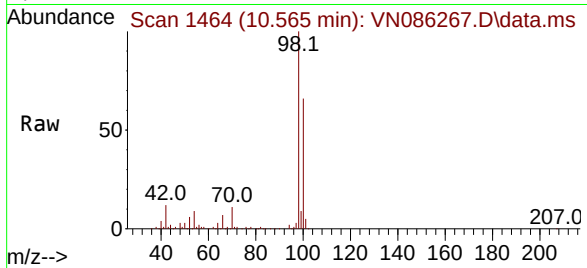
Tgt Ion: 95 Resp: 102439
Ion Ratio Lower Upper
95 100
174 69.6 52.7 79.1
176 65.2 49.8 74.8





#63
Toluene-d8
Concen: 29.857 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086267.D
Acq: 14 Apr 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#07



Tgt Ion: 98 Resp: 307732
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

Manual Integrations
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