

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086272.D
 Acq On : 14 Apr 2025 16:26
 Operator : JC\MD
 Sample : PB167573ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#12

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 03:13:17 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	33474	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	195825	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	174832	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	99822	30.574	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.900%			
60) 4-Bromofluorobenzene	12.847	95	97028	27.875	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.900%			
63) Toluene-d8	10.565	98	294656	29.853	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.500%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.024	43	4576	1.271	ug/l	100
15) Acetone	4.430	58	12172	31.592	ug/l	89
18) Methylene Chloride	5.271	84	8524	2.933	ug/l #	87
44) Isopropyl Acetate	8.683	43	45887m	6.309	ug/l	

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

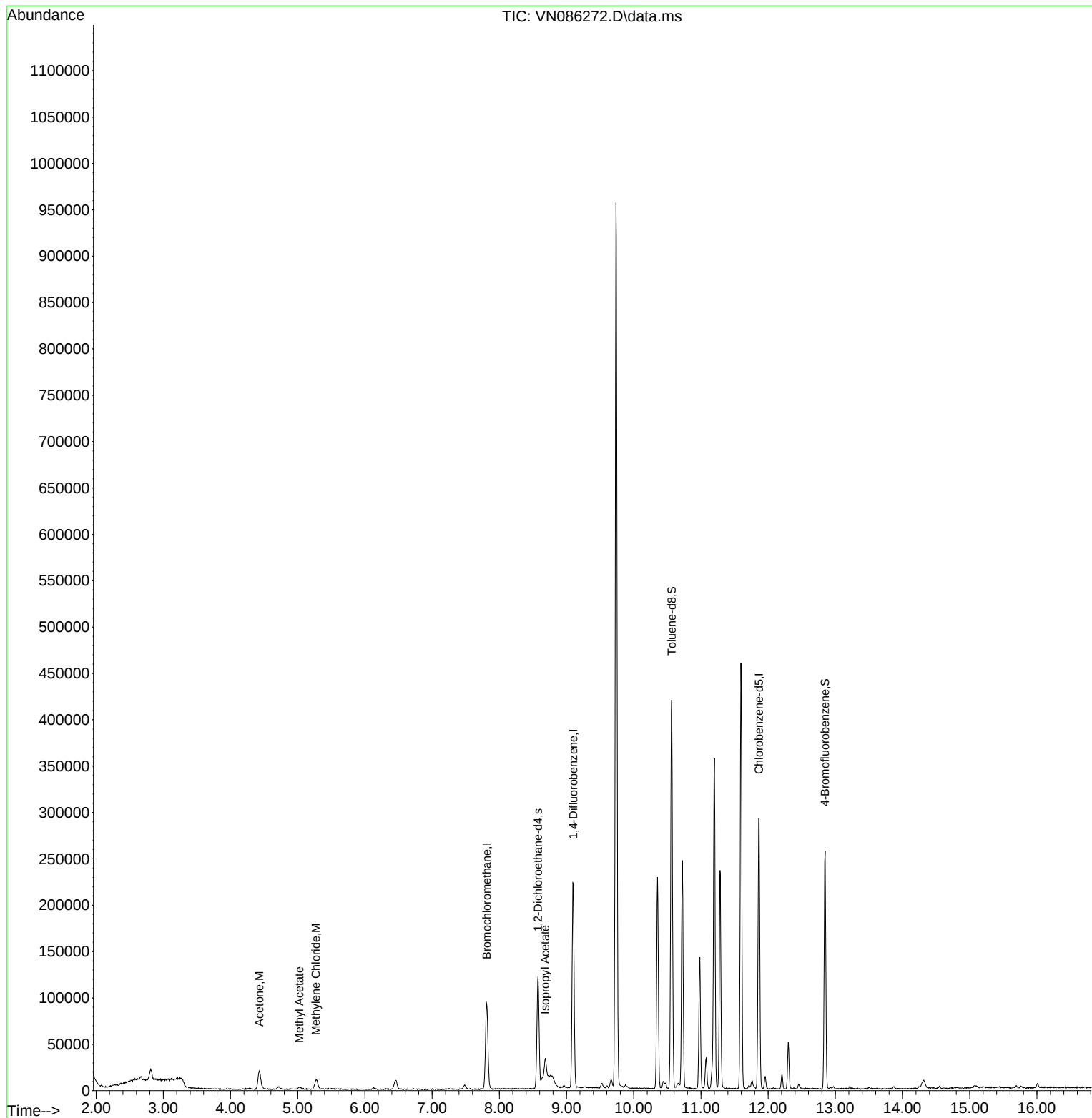
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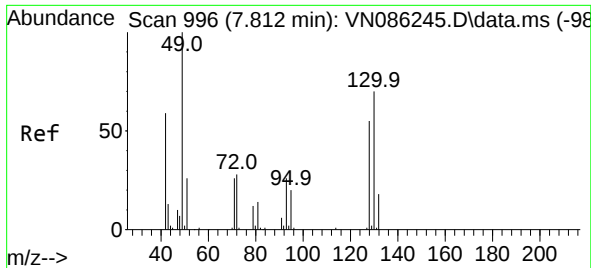
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Quant Time: Apr 15 03:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





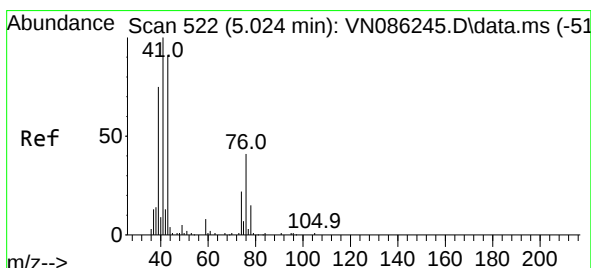
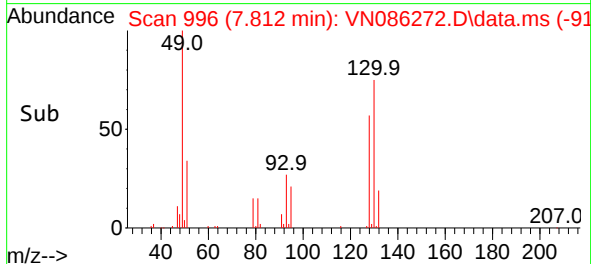
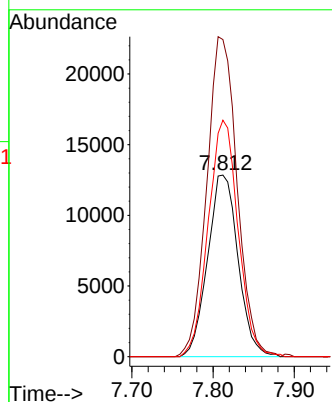
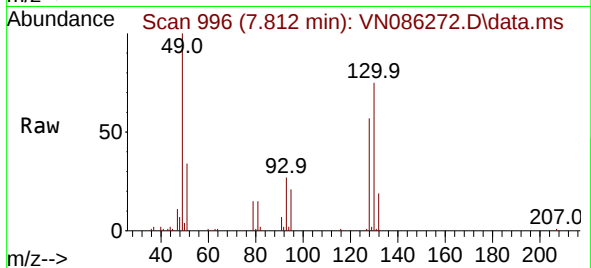
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#12

Tgt Ion:128 Resp: 33474
Ion Ratio Lower Upper
128 100
49 175.5 0.0 452.5
130 128.3 0.0 315.0

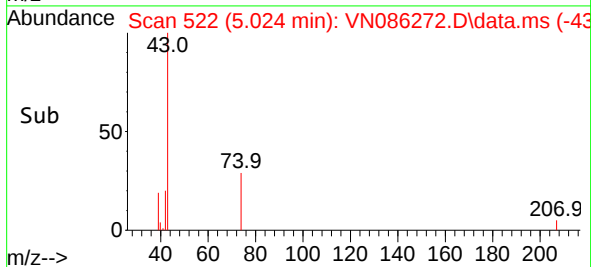
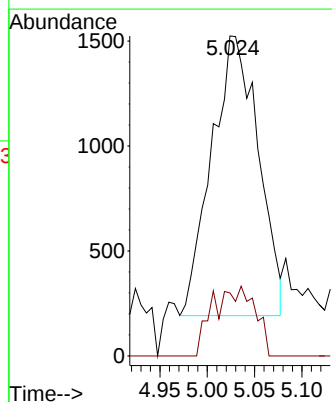
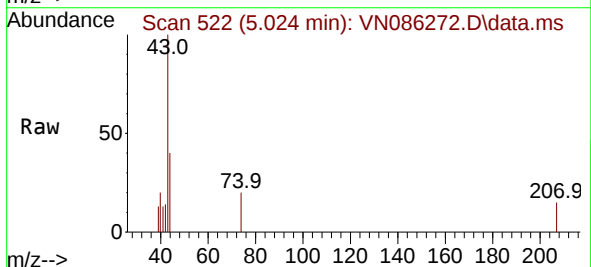
Manual Integrations
APPROVED

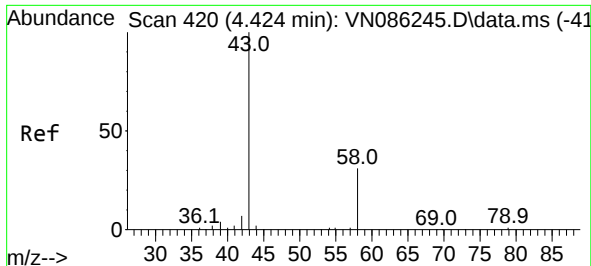
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
Methyl Acetate
Concen: 1.271 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26

Tgt Ion: 43 Resp: 4576
Ion Ratio Lower Upper
43 100
74 24.1 19.1 28.7





#15

Acetone

Concen: 31.592 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086272.D

Acq: 14 Apr 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB167573ZHE#12

Tgt Ion: 58 Resp: 1217

Ion Ratio Lower Upper

58 100

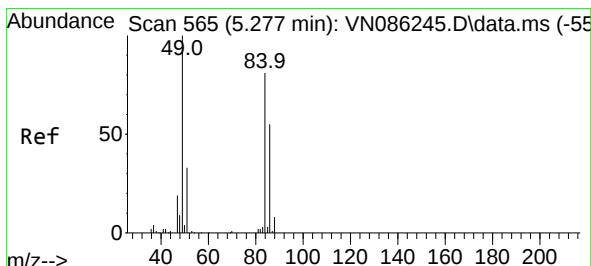
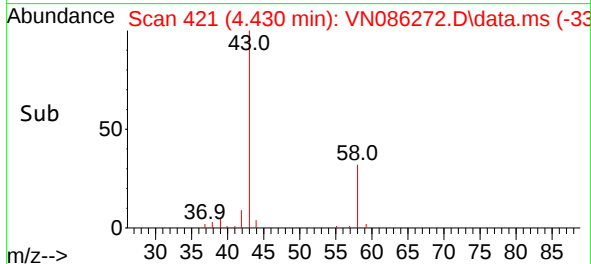
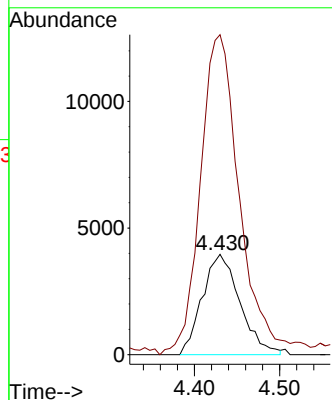
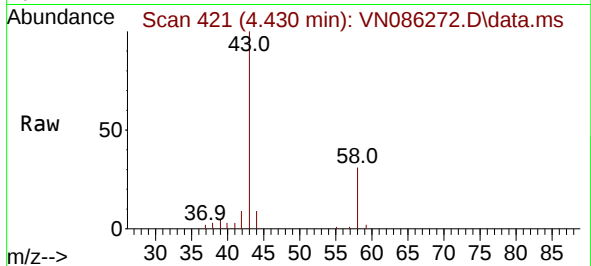
43 304.5 261.8 392.8

Manual Integrations

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#18

Methylene Chloride

Concen: 2.933 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN086272.D

Acq: 14 Apr 2025 16:26

Tgt Ion: 84 Resp: 8524

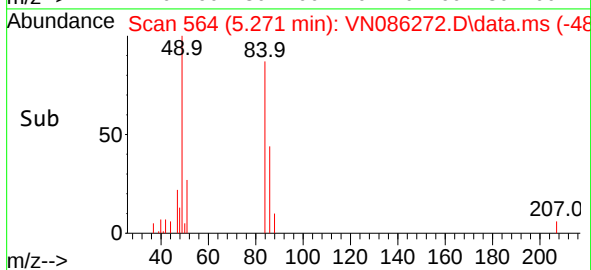
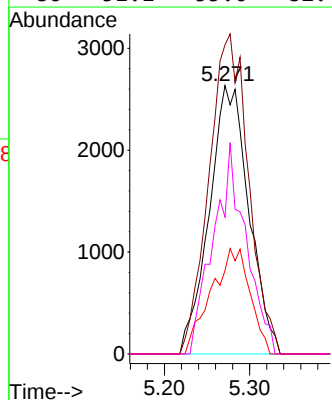
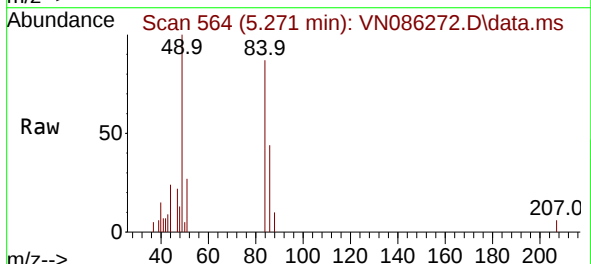
Ion Ratio Lower Upper

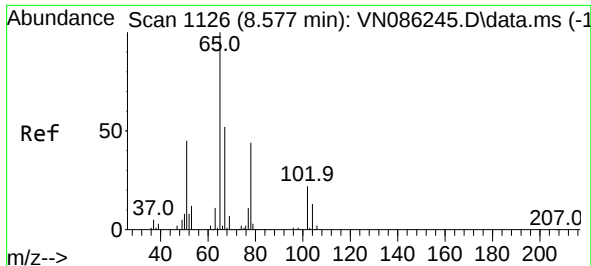
84 100

49 115.2 99.1 148.7

51 31.1 32.3 48.5#

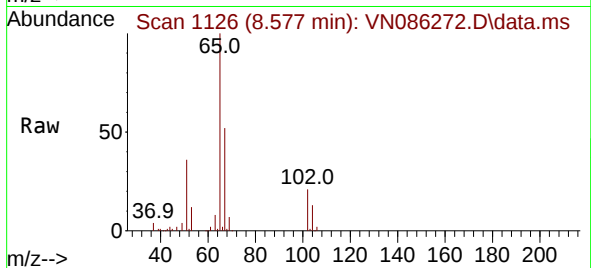
86 51.1 55.0 82.4#





#27
1,2-Dichloroethane-d4
Concen: 30.574 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26

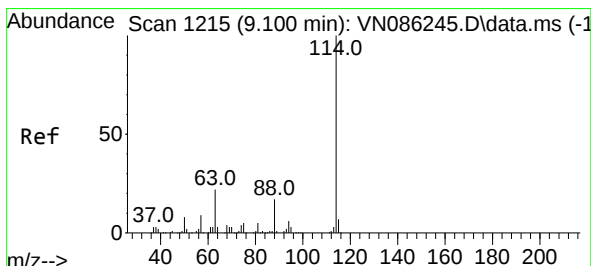
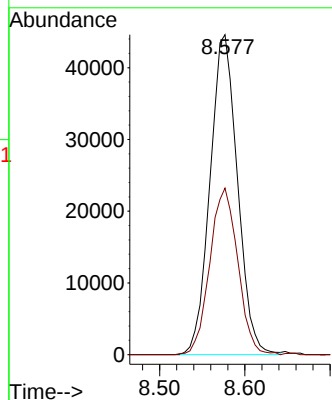
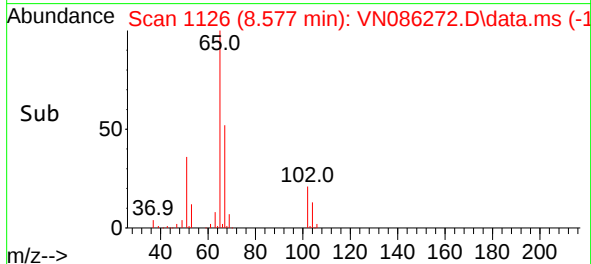
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#12



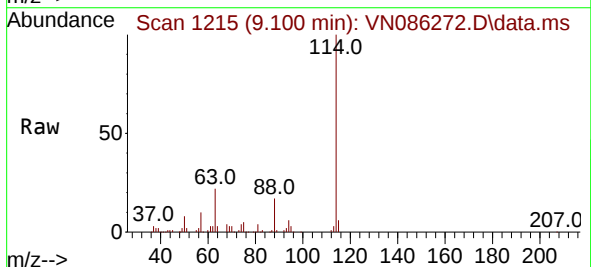
Tgt Ion: 65 Resp: 9982
Ion Ratio Lower Upper
65 100
67 53.0 43.4 65.2

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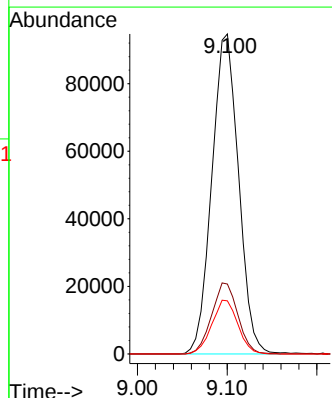
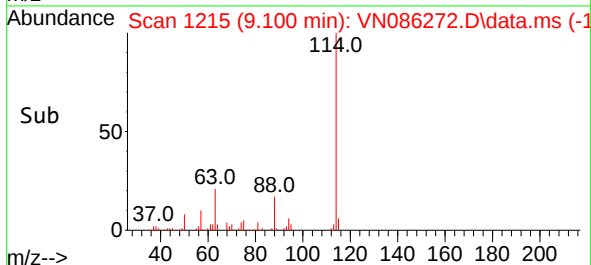
Reviewed By :John Carlone 04/16/2025
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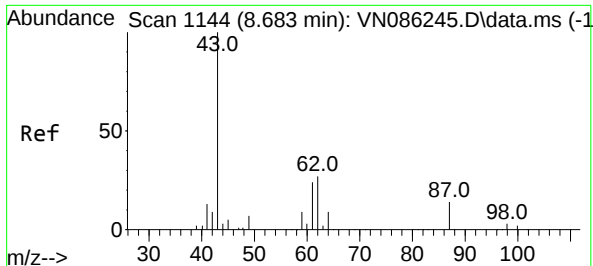


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26



Tgt Ion:114 Resp: 195825
Ion Ratio Lower Upper
114 100
63 21.7 17.8 26.6
88 16.4 13.4 20.2





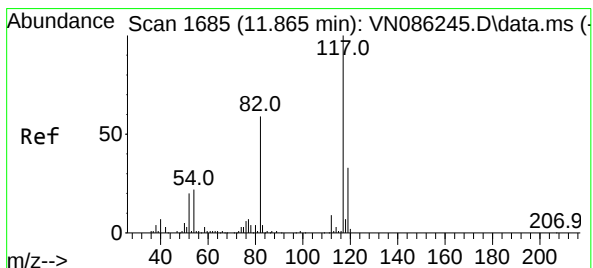
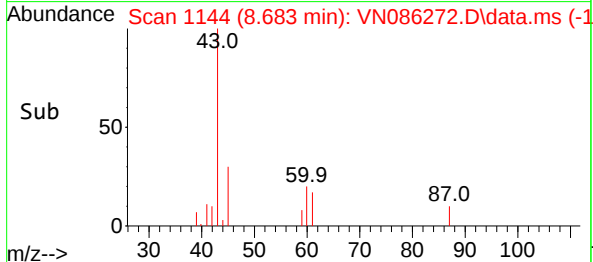
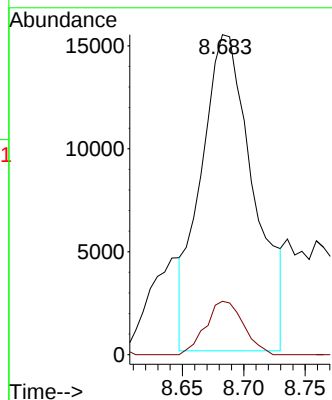
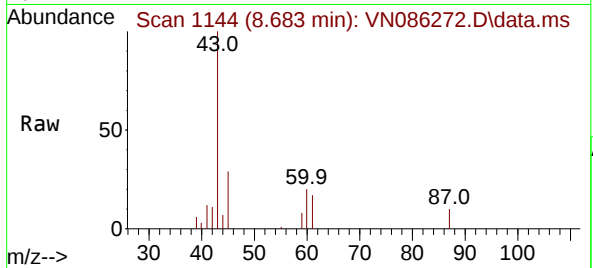
#44
Isopropyl Acetate
Concen: 6.309 ug/l m
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#12

Tgt Ion: 43 Resp: 4588
Ion Ratio Lower Upper
43 100
61 12.1 20.5 30.7

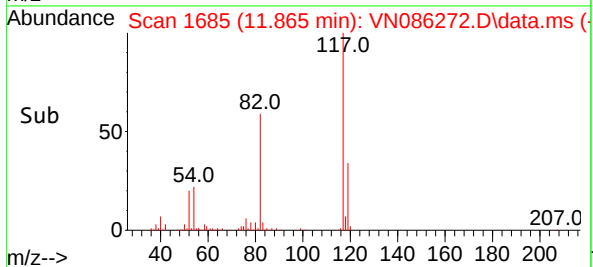
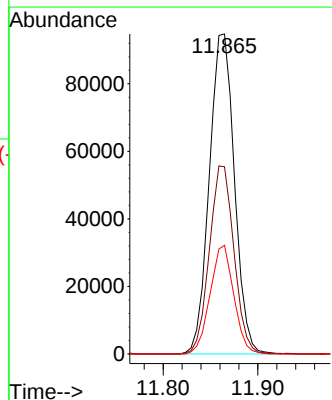
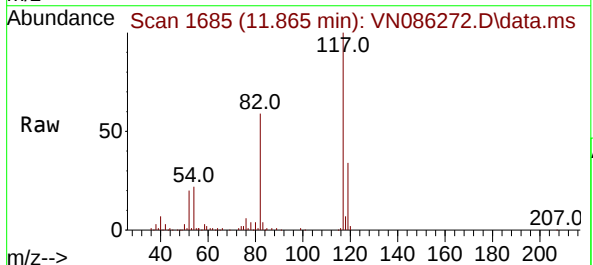
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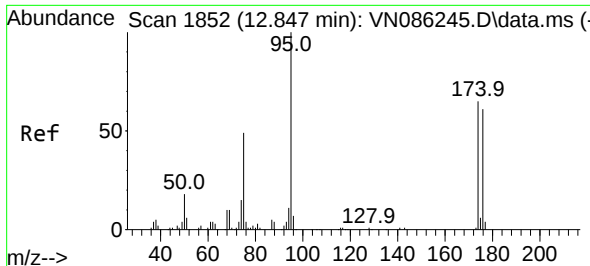
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26

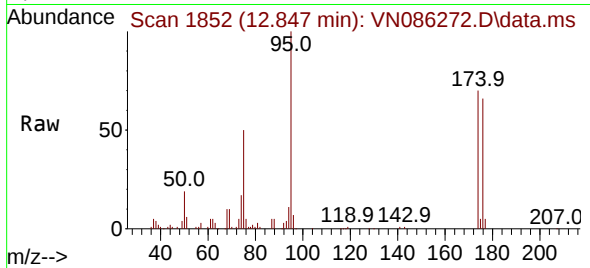
Tgt Ion:117 Resp: 174832
Ion Ratio Lower Upper
117 100
82 57.6 47.3 70.9
119 32.0 25.9 38.9





#60
4-Bromofluorobenzene
Concen: 27.875 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26

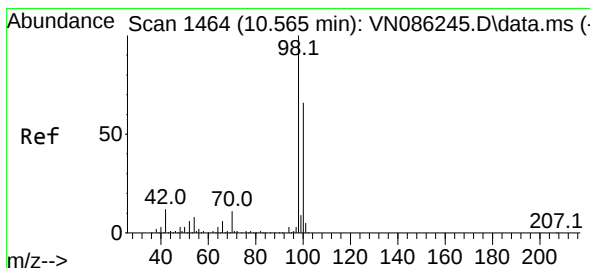
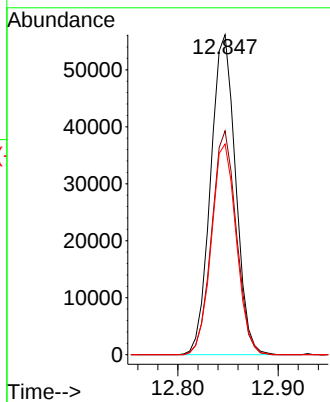
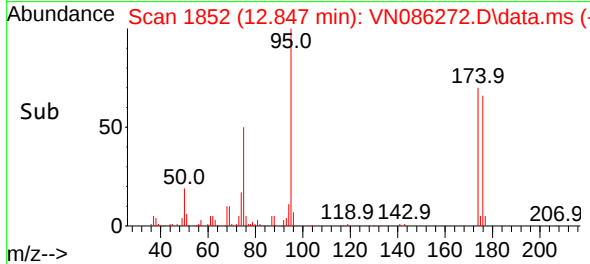
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PB167573ZHE#12



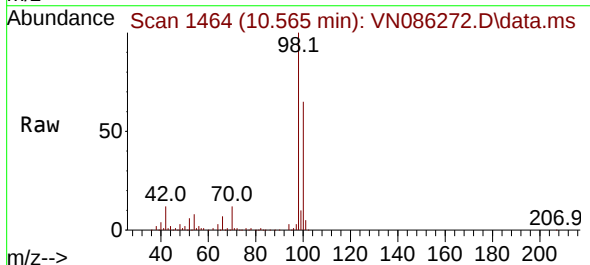
Tgt Ion: 95 Resp: 97028
Ion Ratio Lower Upper
95 100
174 69.2 52.7 79.1
176 65.9 49.8 74.8

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#63
Toluene-d8
Concen: 29.853 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086272.D
Acq: 14 Apr 2025 16:26



Tgt Ion: 98 Resp: 294656
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

