

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086273.D
 Acq On : 14 Apr 2025 16:50
 Operator : JC\MD
 Sample : PB167573ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#05

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 03:13:47 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	7.806	128	33692	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	200446	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	176246	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	98646	30.018	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.067%			
60) 4-Bromofluorobenzene	12.847	95	97166	27.691	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.300%			
63) Toluene-d8	10.565	98	300625	30.213	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.700%			
Target Compounds						
12) Methyl Acetate	5.018	43	5612m	1.549	ug/l	Qvalue
15) Acetone	4.430	58	9810	25.297	ug/l	85
18) Methylene Chloride	5.271	84	7154	2.446	ug/l	94
44) Isopropyl Acetate	8.688	43	49089m	6.593	ug/l	

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

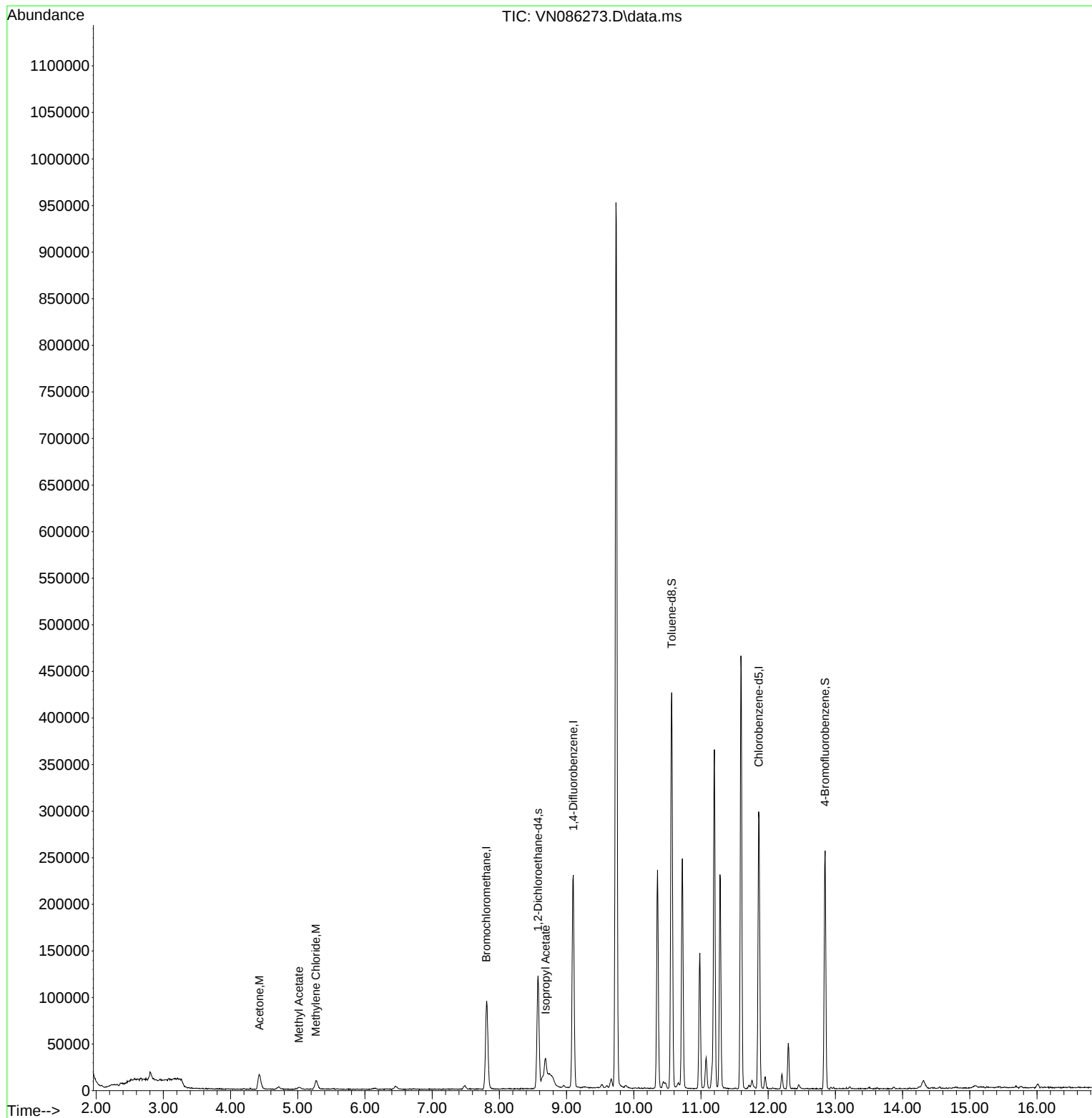
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
Data File : VN086273.D
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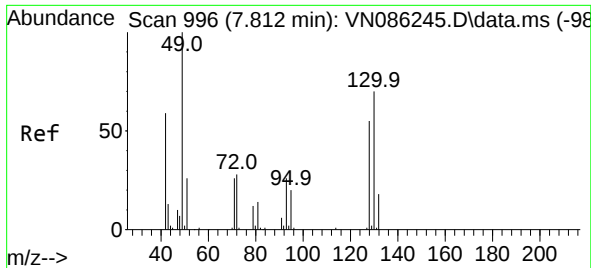
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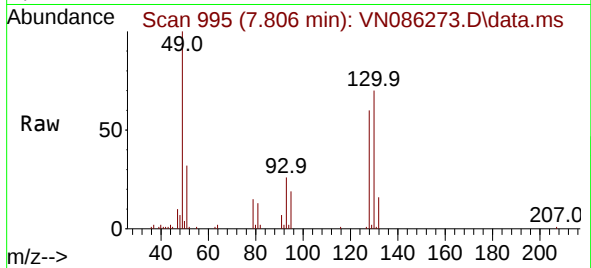
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

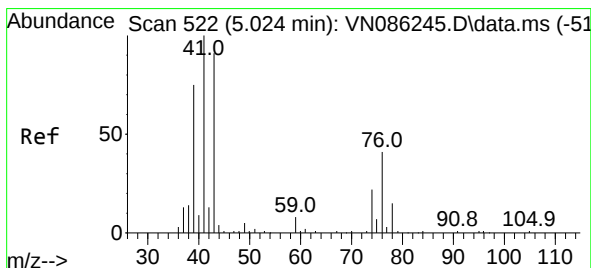
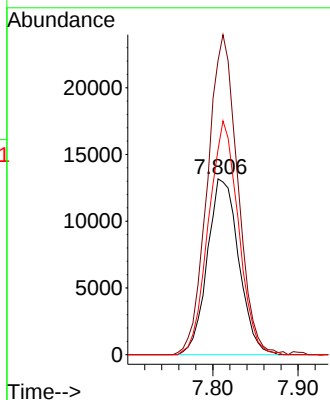
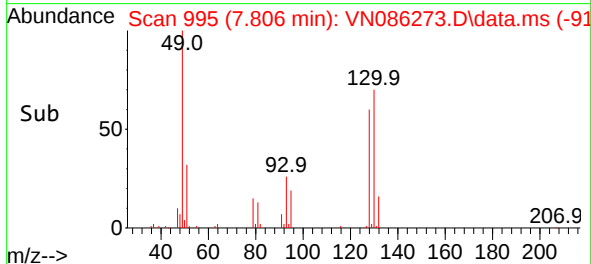
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#05



Tgt Ion:128 Resp: 33692
Ion Ratio Lower Upper
128 100
49 175.7 0.0 452.5
130 127.1 0.0 315.0

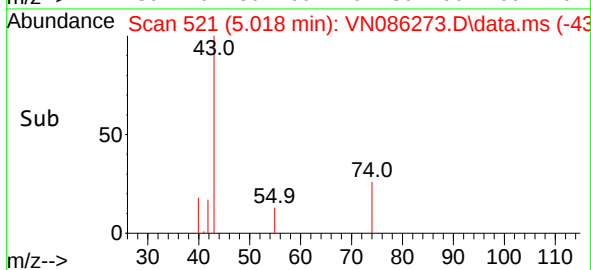
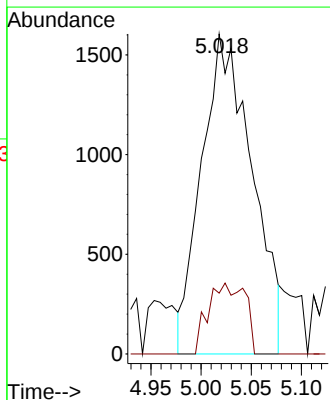
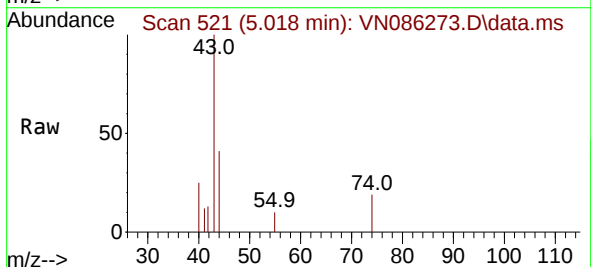
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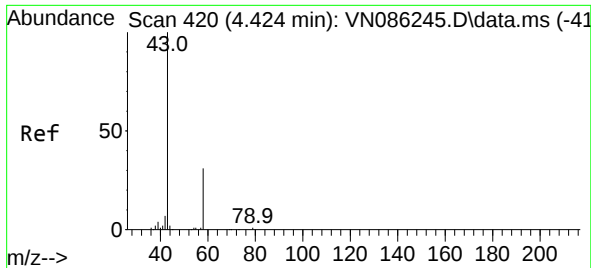
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
Methyl Acetate
Concen: 1.549 ug/l m
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

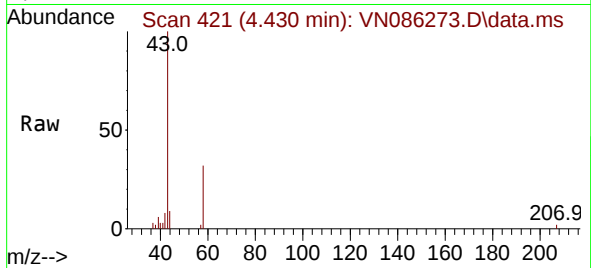
Tgt Ion: 43 Resp: 5612
Ion Ratio Lower Upper
43 100
74 19.0 19.1 28.7#





#15
Acetone
Concen: 25.297 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

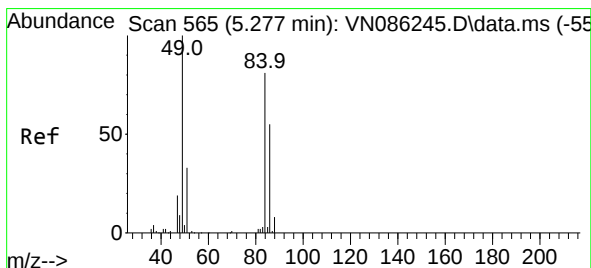
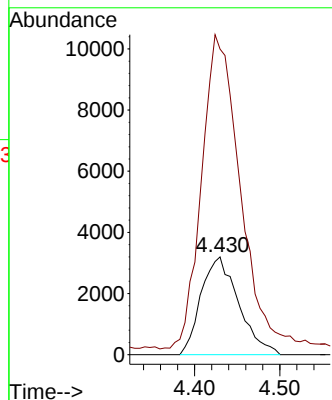
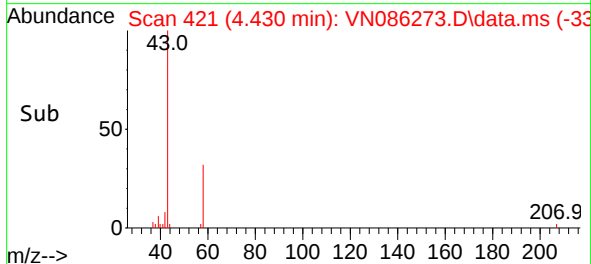
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#05



Tgt Ion: 58 Resp: 9810
Ion Ratio Lower Upper
58 100
43 297.1 261.8 392.8

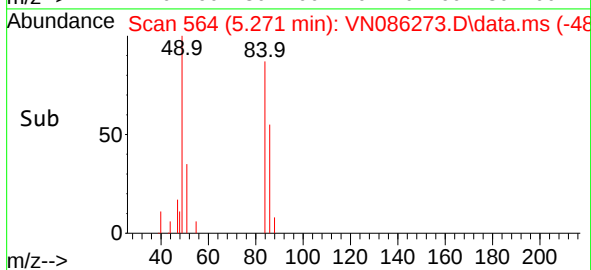
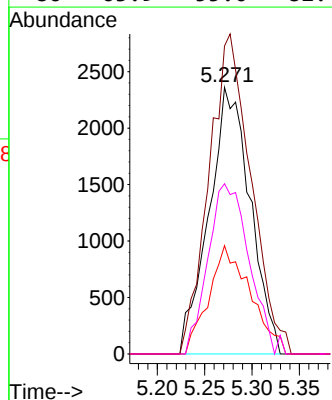
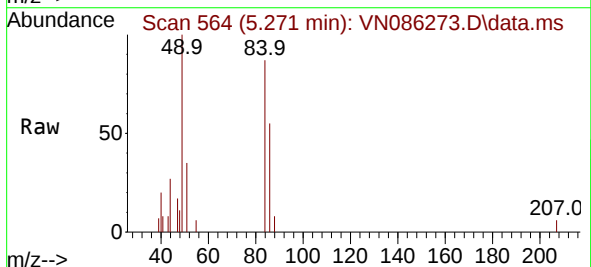
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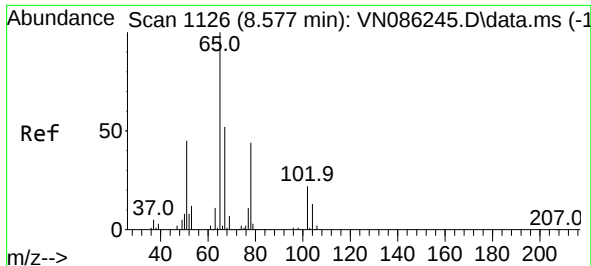
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methylene Chloride
Concen: 2.446 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

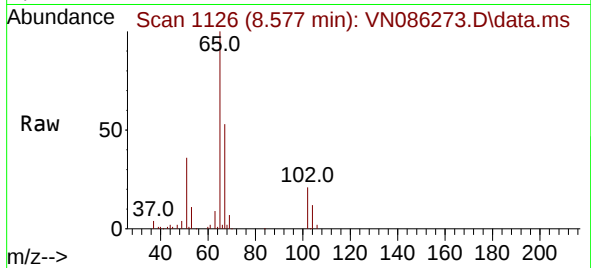
Tgt Ion: 84 Resp: 7154
Ion Ratio Lower Upper
84 100
49 115.5 99.1 148.7
51 40.6 32.3 48.5
86 63.9 55.0 82.4





#27
1,2-Dichloroethane-d4
Concen: 30.018 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

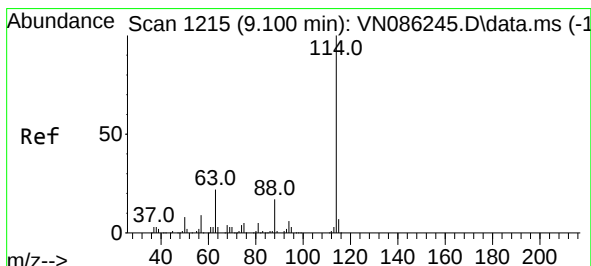
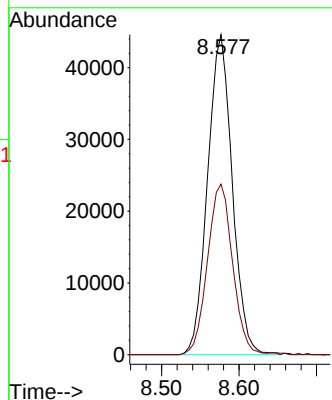
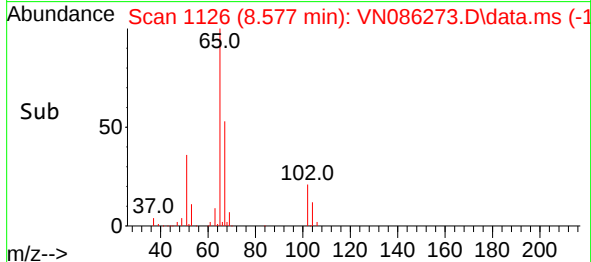
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#05



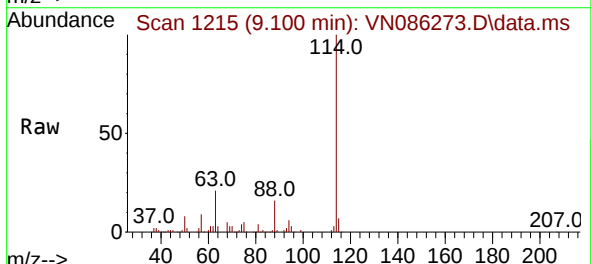
Tgt Ion: 65 Resp: 98640
Ion Ratio Lower Upper
65 100
67 54.2 43.4 65.2

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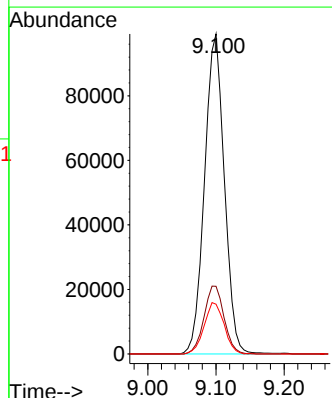
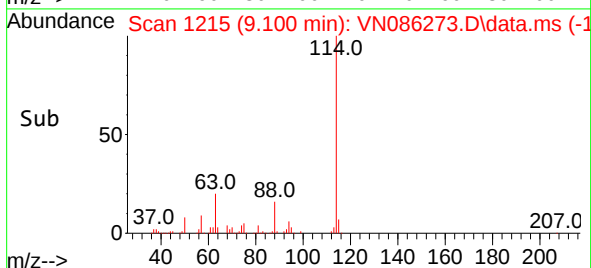
Reviewed By :John Carlone 04/16/2025
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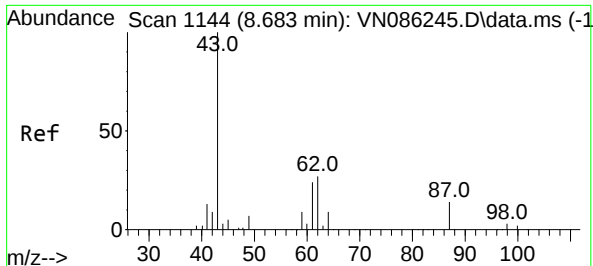


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50



Tgt Ion:114 Resp: 200446
Ion Ratio Lower Upper
114 100
63 21.4 17.8 26.6
88 16.1 13.4 20.2





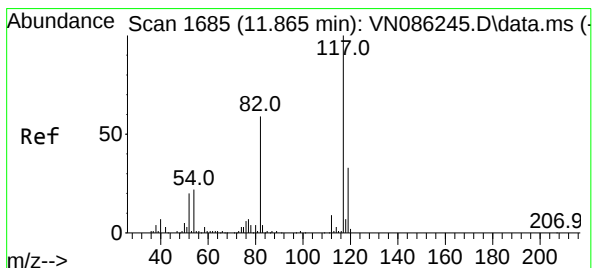
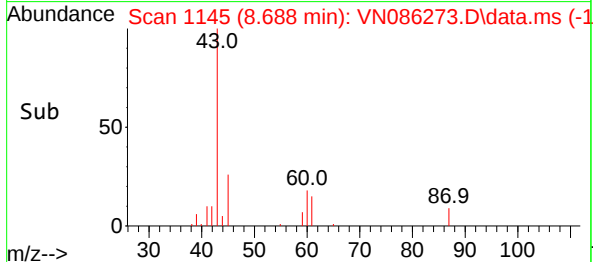
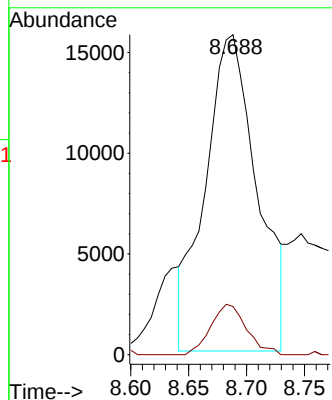
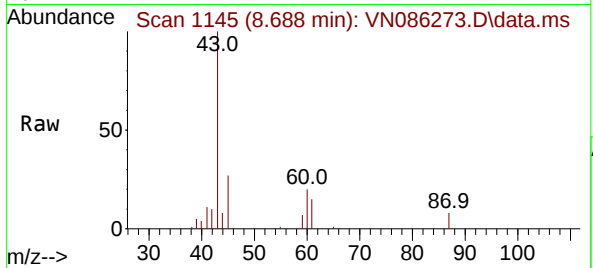
#44
Isopropyl Acetate
Concen: 6.593 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#05

Tgt Ion: 43 Resp: 49089
Ion Ratio Lower Upper
43 100
61 10.8 20.5 30.7

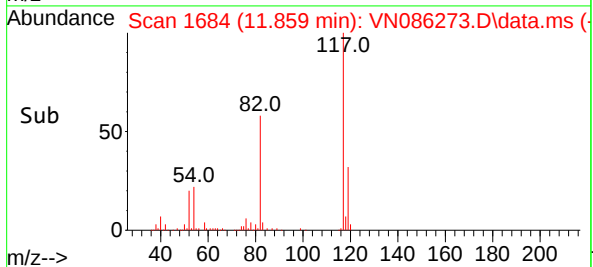
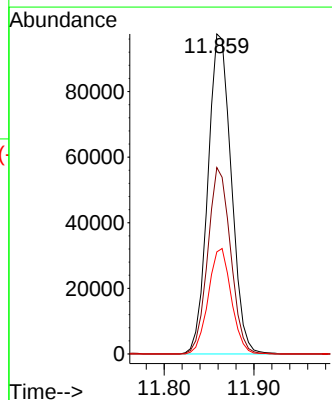
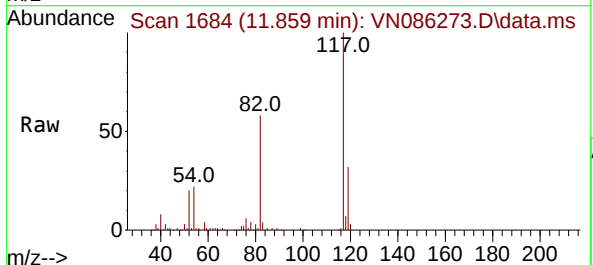
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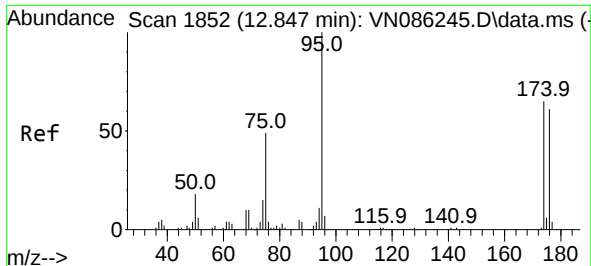
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

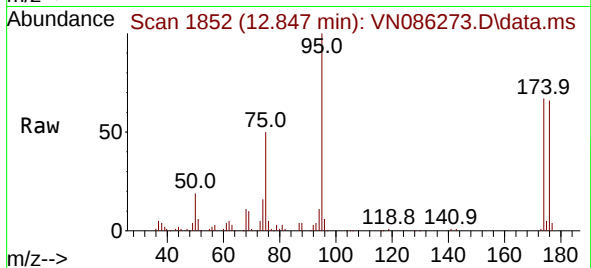
Tgt Ion:117 Resp: 176246
Ion Ratio Lower Upper
117 100
82 57.0 47.3 70.9
119 32.4 25.9 38.9





#60
4-Bromofluorobenzene
Concen: 27.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50

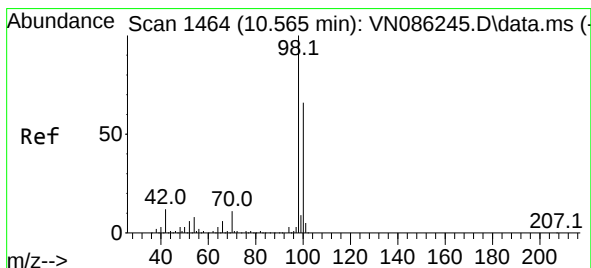
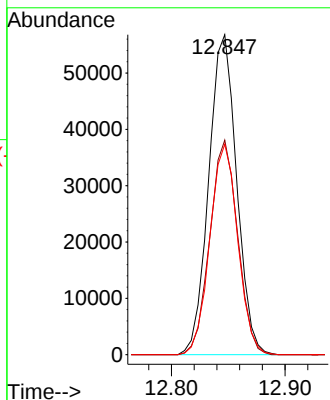
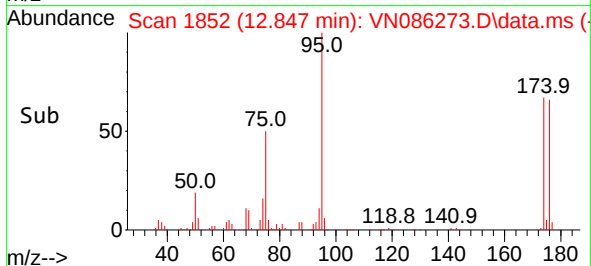
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PB167573ZHE#05



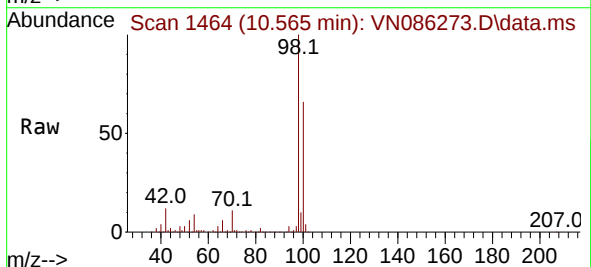
Tgt Ion: 95 Resp: 97160
Ion Ratio Lower Upper
95 100
174 66.6 52.7 79.1
176 65.5 49.8 74.8

Manual Integrations
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Supervised By :Semsettin Yesilyurt 04/16/2025



#63
Toluene-d8
Concen: 30.213 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086273.D
Acq: 14 Apr 2025 16:50



Tgt Ion: 98 Resp: 300625
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

