

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086269.D
 Acq On : 14 Apr 2025 15:14
 Operator : JC\MD
 Sample : PB167573ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#09

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 03:11:45 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	33266	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	195015	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	173995	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	96929	29.873	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.567%		
60) 4-Bromofluorobenzene	12.847	95	98349	28.390	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.633%		
63) Toluene-d8	10.565	98	293134	29.842	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.467%		
Target Compounds						
12) Methyl Acetate	5.030	43	3845	1.075	ug/l	99
15) Acetone	4.424	58	11834	30.907	ug/l	80
16) Carbon Disulfide	4.712	76	7551m	1.040	ug/l	
18) Methylene Chloride	5.283	84	7841m	2.715	ug/l	
44) Isopropyl Acetate	8.683	43	38142m	5.266	ug/l	

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

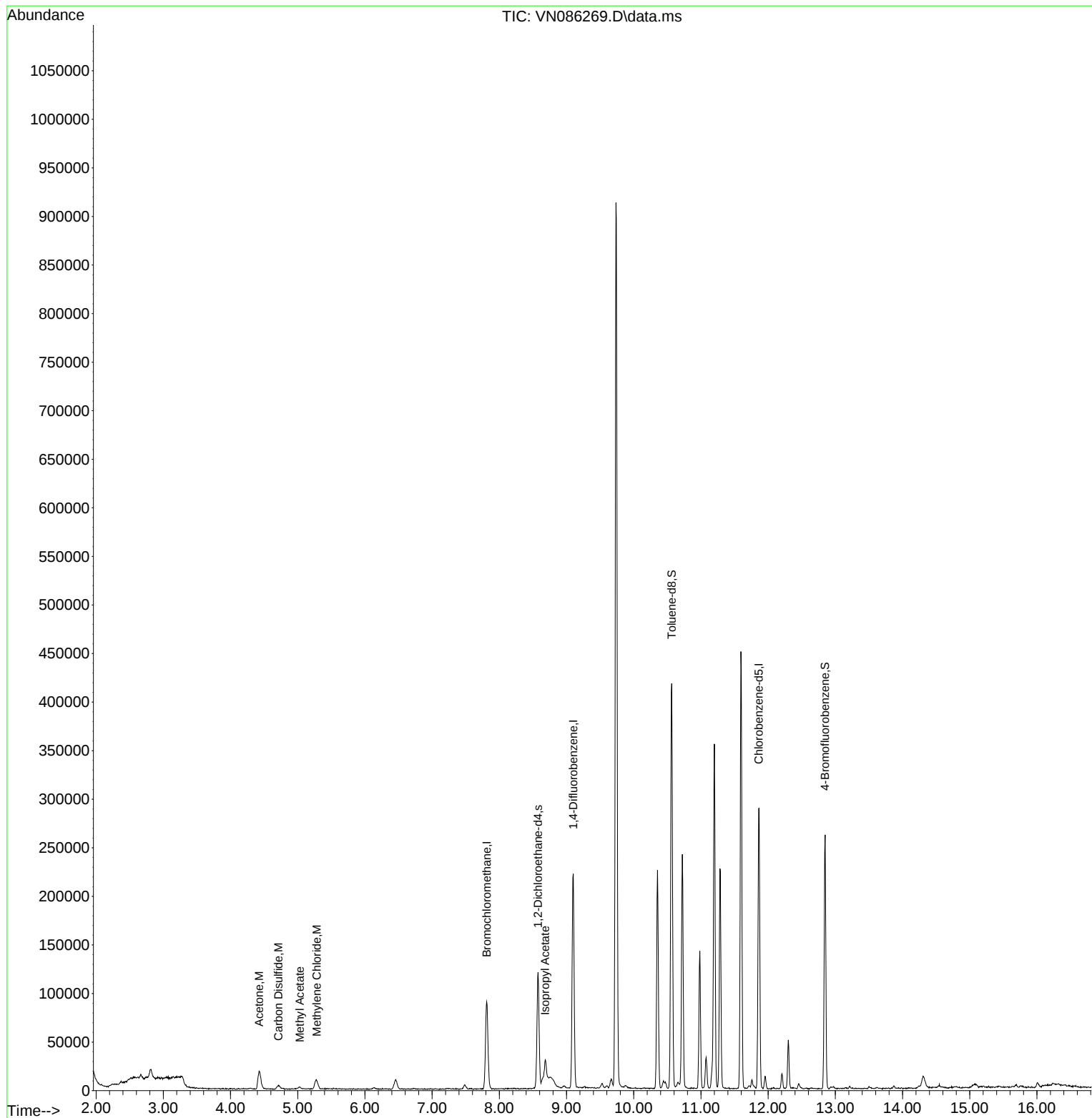
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
Data File : VN086269.D
Acq On : 14 Apr 2025 15:14
Operator : JC\MD
Sample : PB167573ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

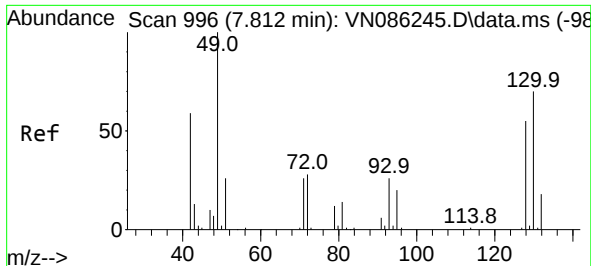
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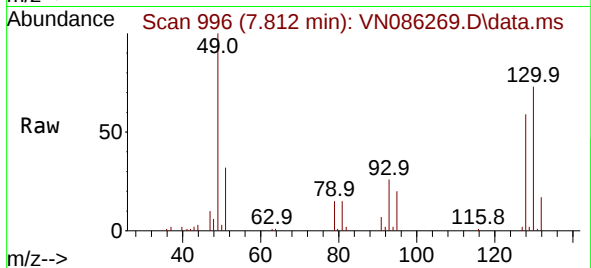
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

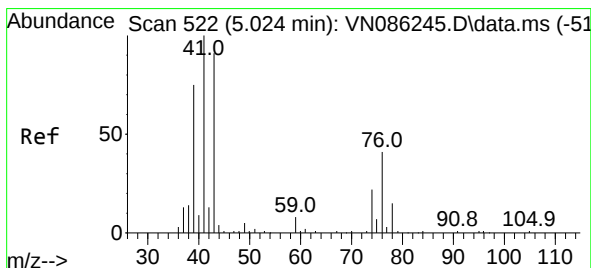
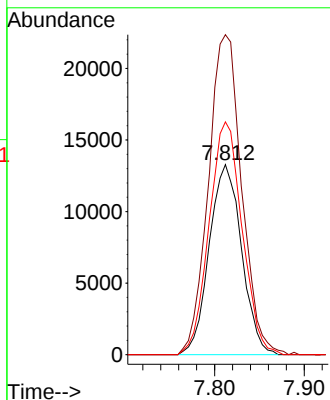
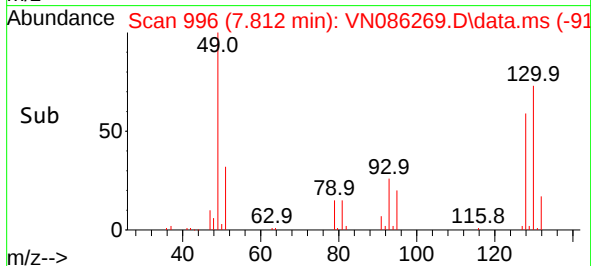
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#09



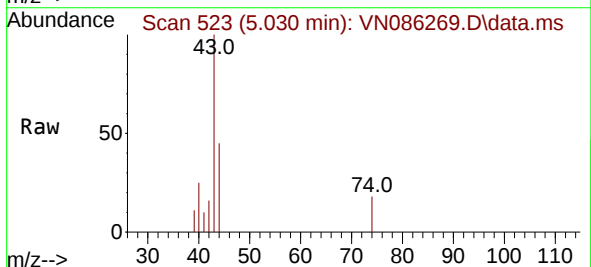
Tgt Ion:128 Resp: 33260
Ion Ratio Lower Upper
128 100
49 173.0 0.0 452.5
130 125.0 0.0 315.0

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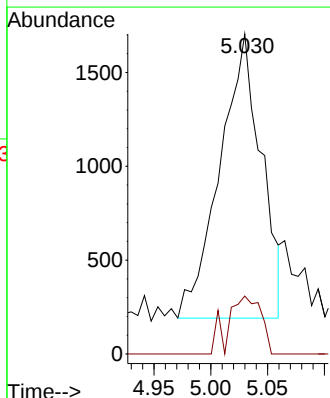
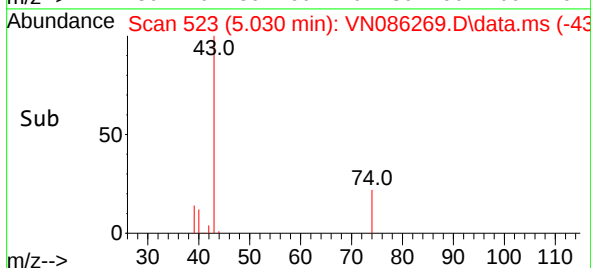
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

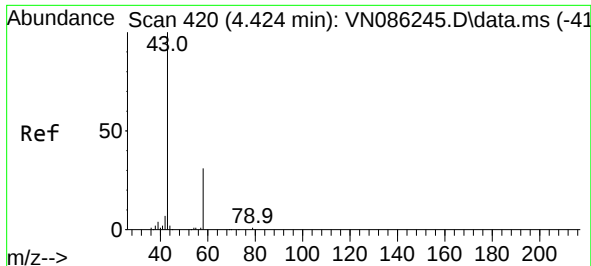


#12
Methyl Acetate
Concen: 1.075 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14



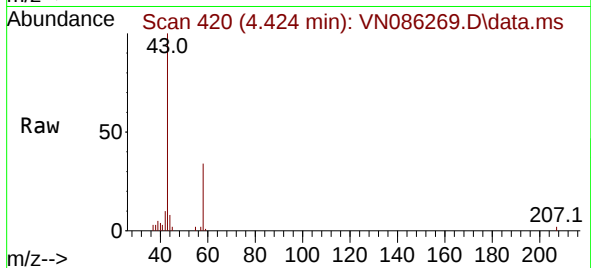
Tgt Ion: 43 Resp: 3845
Ion Ratio Lower Upper
43 100
74 23.4 19.1 28.7





#15
Acetone
Concen: 30.907 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

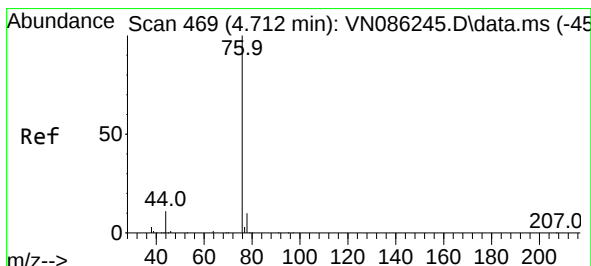
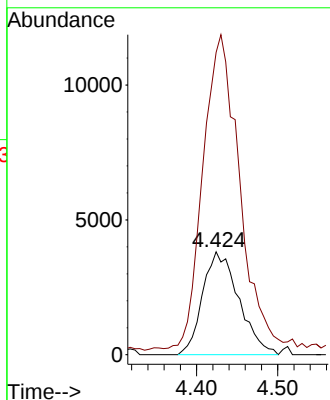
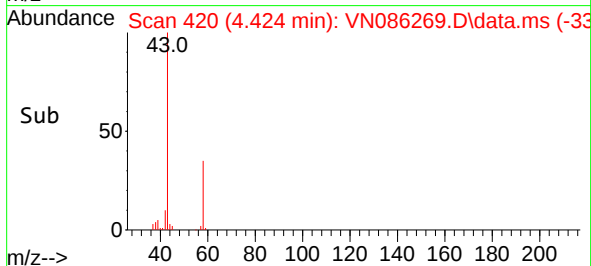
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#09



Tgt Ion: 58 Resp: 11834
Ion Ratio Lower Upper
58 100
43 284.8 261.8 392.8

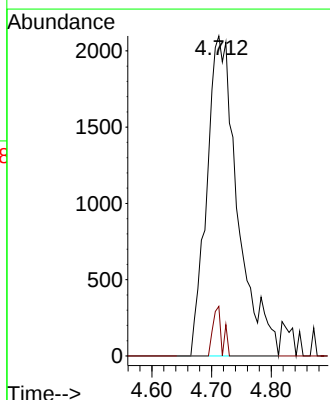
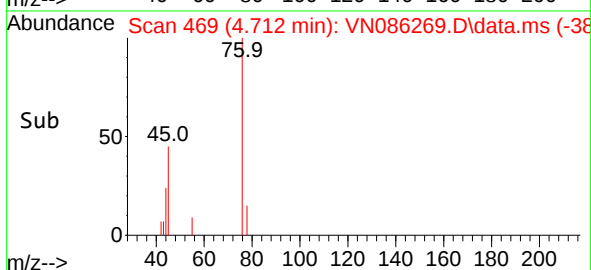
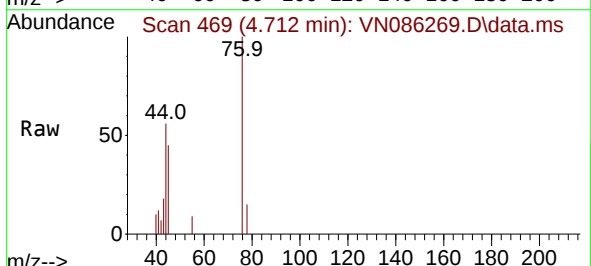
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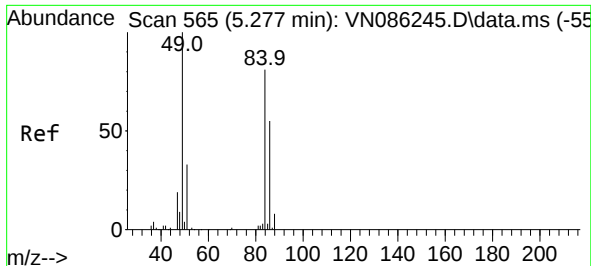
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Carbon Disulfide
Concen: 1.040 ug/l m
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

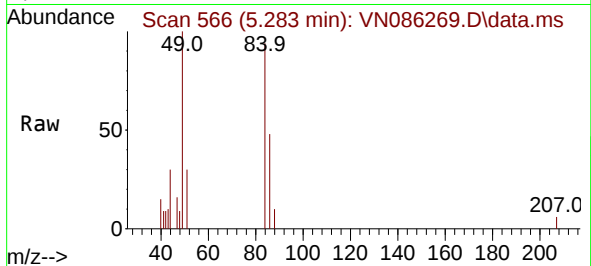
Tgt Ion: 76 Resp: 7551
Ion Ratio Lower Upper
76 100
78 15.5 7.7 11.5#





#18
Methylene Chloride
Concen: 2.715 ug/l m
RT: 5.283 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

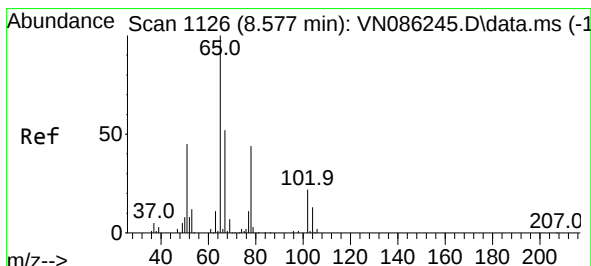
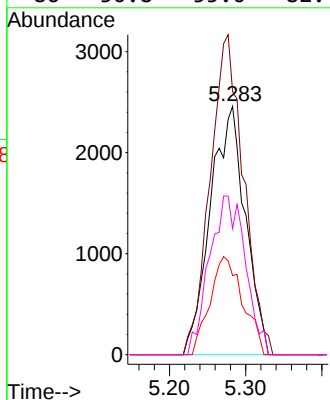
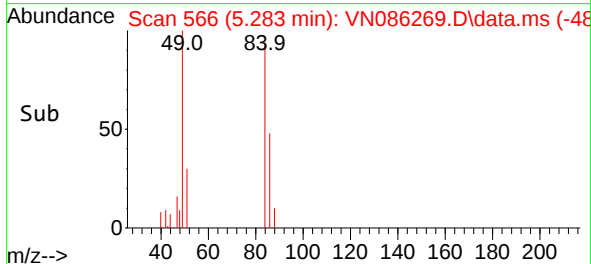
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#09



Tgt Ion: 84 Resp: 784
Ion Ratio Lower Upper
84 100
49 105.9 99.1 148.7
51 31.9 32.3 48.5
86 50.8 55.0 82.4#

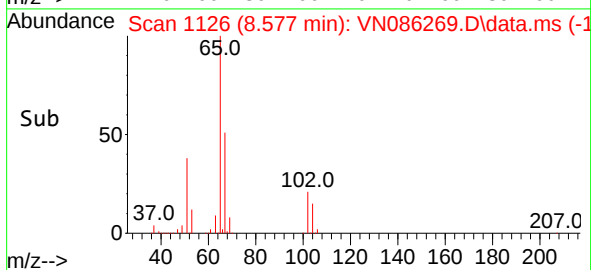
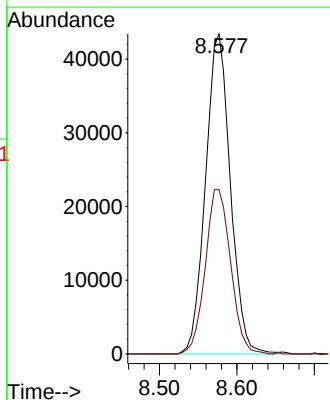
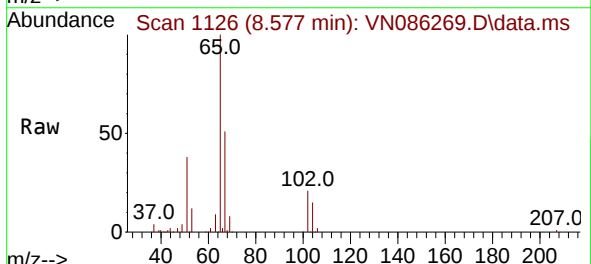
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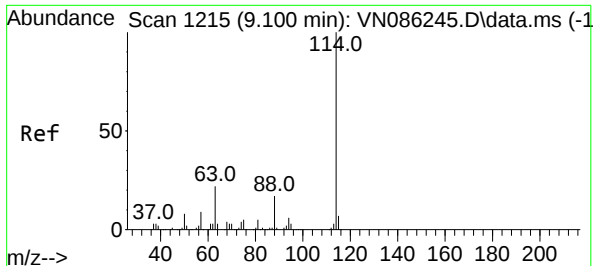
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#27
1,2-Dichloroethane-d4
Concen: 29.873 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

Tgt Ion: 65 Resp: 96929
Ion Ratio Lower Upper
65 100
67 52.4 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: VN086269.D

Acq: 14 Apr 2025 15:14

Instrument :

MSVOA_N

ClientSampleId :

PB167573ZHE#09

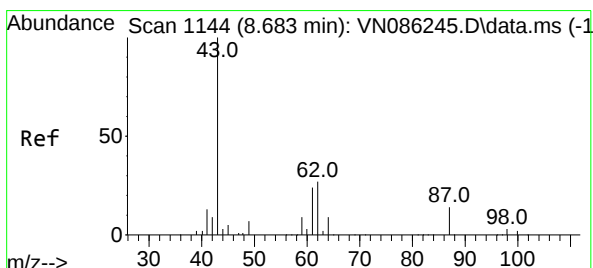
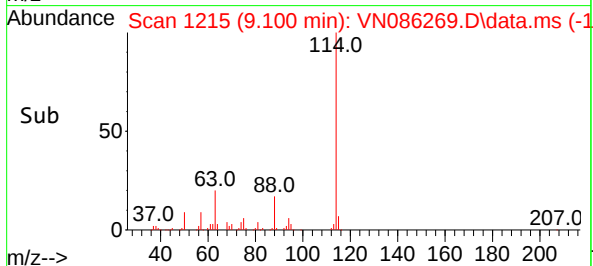
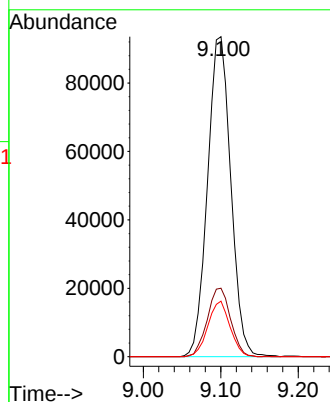
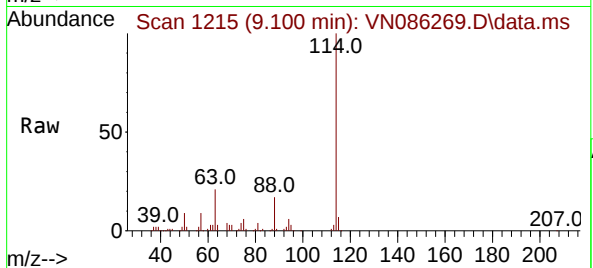
Tgt Ion:114	Resp: 19501
Ion Ratio	Lower Upper
114 100	
63 21.4	17.8 26.6
88 16.5	13.4 20.2

Manual Integrations

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Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Isopropyl Acetate

Concen: 5.266 ug/l m

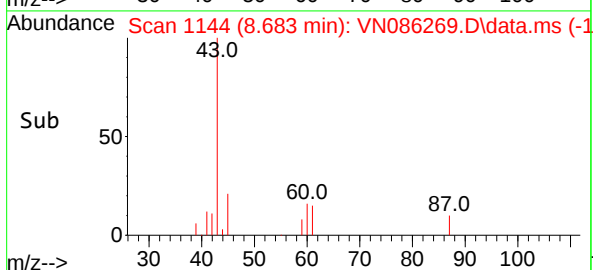
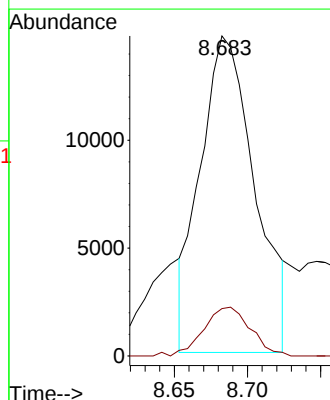
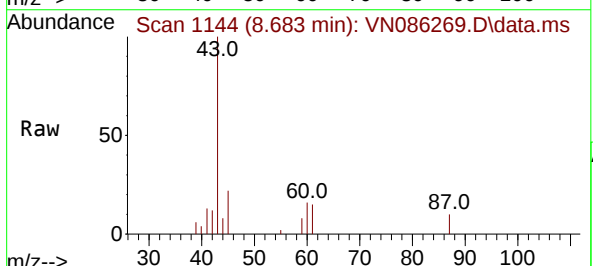
RT: 8.683 min Scan# 1144

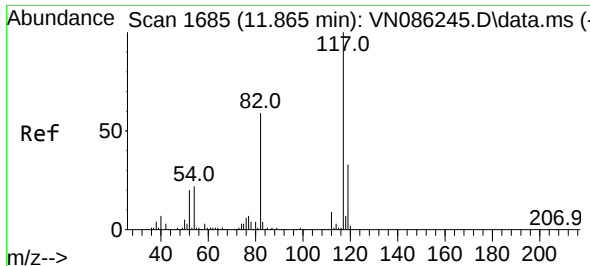
Delta R.T. 0.000 min

Lab File: VN086269.D

Acq: 14 Apr 2025 15:14

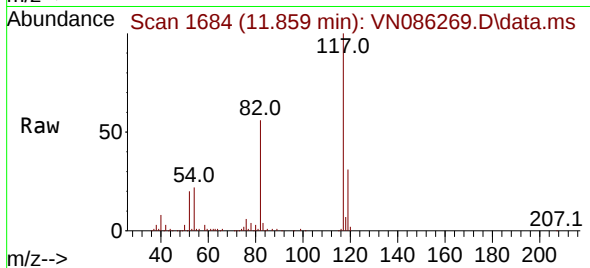
Tgt Ion: 43	Resp: 38142
Ion Ratio	Lower Upper
43 100	
61 13.1	20.5 30.7#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

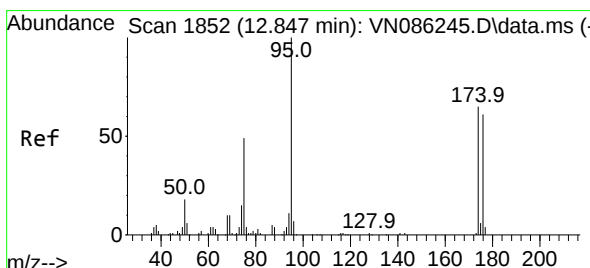
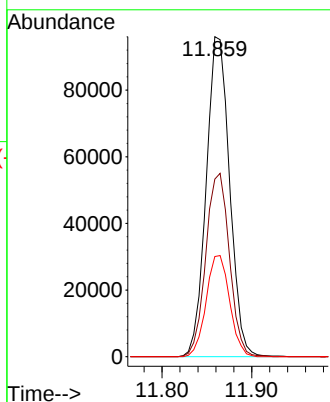
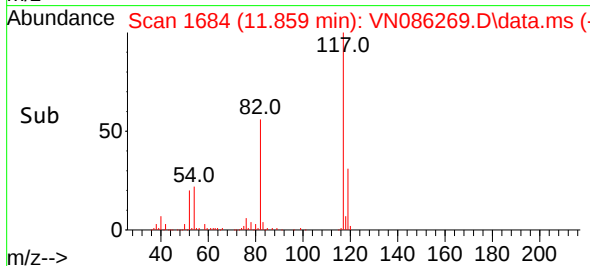
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#09



Tgt Ion: 117 Resp: 17399
Ion Ratio Lower Upper
117 100
82 57.9 47.3 70.9
119 31.7 25.9 38.9

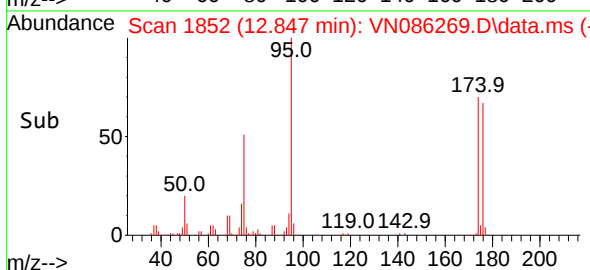
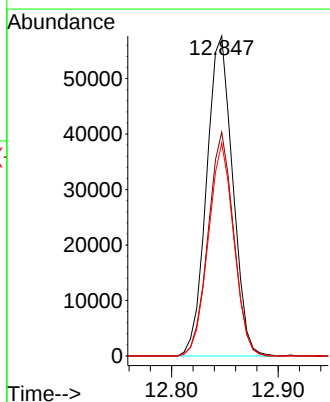
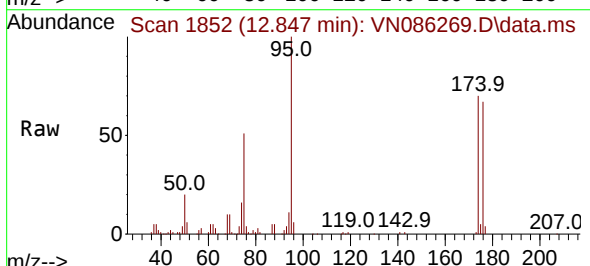
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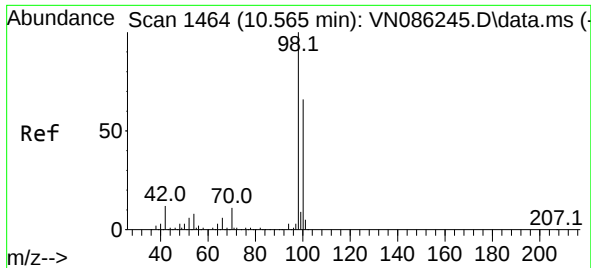
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#60
4-Bromofluorobenzene
Concen: 28.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

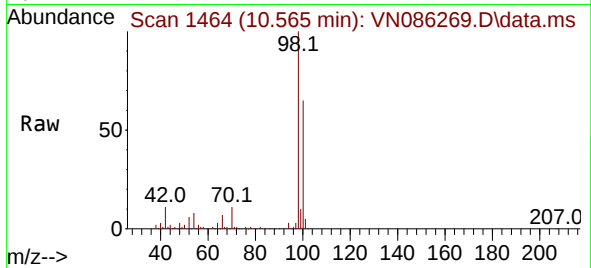
Tgt Ion: 95 Resp: 98349
Ion Ratio Lower Upper
95 100
174 68.0 52.7 79.1
176 64.9 49.8 74.8





#63
Toluene-d8
Concen: 29.842 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086269.D
Acq: 14 Apr 2025 15:14

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#09



Tgt Ion: 98 Resp: 293134
Ion Ratio Lower Upper
98 100
100 66.3 52.3 78.5

Manual Integrations
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