

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086262.D
 Acq On : 14 Apr 2025 12:26
 Operator : JC\MD
 Sample : PB167573ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#02

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 03:07:52 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	11016	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	64391	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	56205	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	32337	30.096	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.847	95	32122	28.705	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.700%			
63) Toluene-d8	10.565	98	94663	29.833	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.433%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.030	43	3912m	3.303	ug/l	
15) Acetone	4.430	58	10645	83.954	ug/l #	68
18) Methylene Chloride	5.271	84	7542	7.886	ug/l	95
30) 2-Butanone	7.482	43	6157	9.633	ug/l #	97
44) Isopropyl Acetate	8.682	43	27683	11.575	ug/l #	87

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

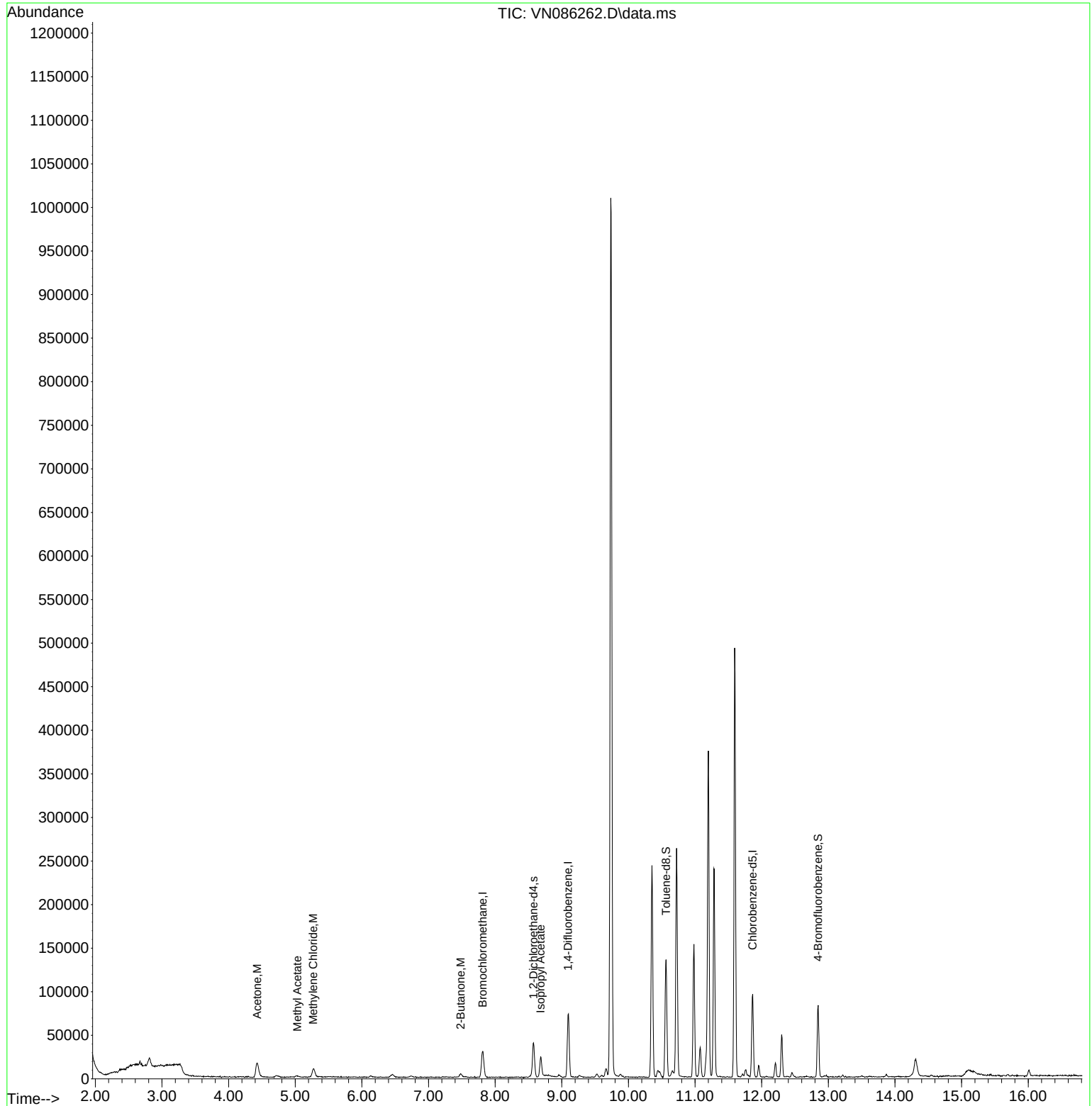
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
Data File : VN086262.D
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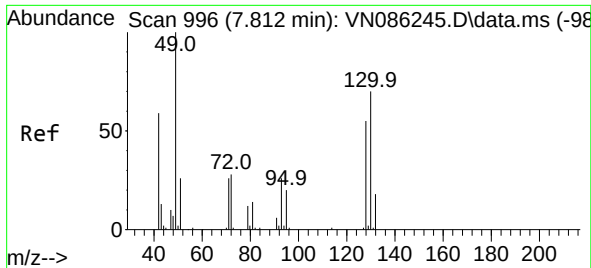
Instrument :
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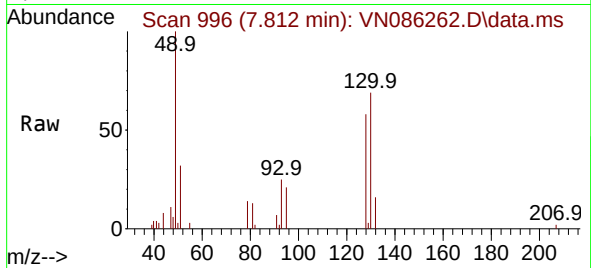
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

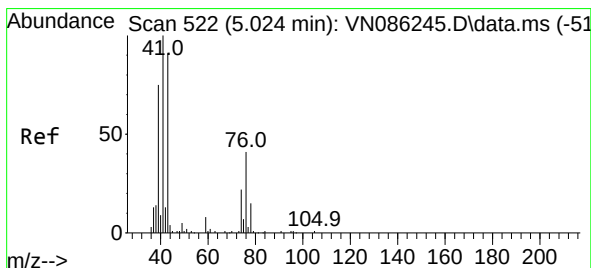
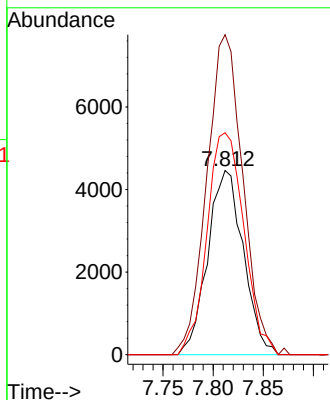
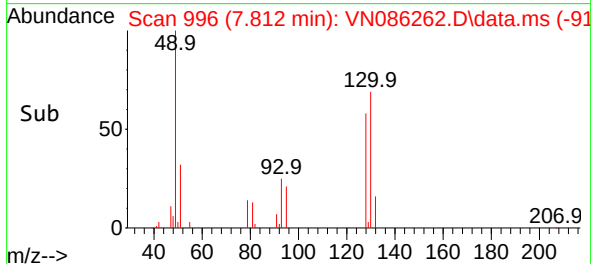
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#02



Tgt Ion:128 Resp: 11010
Ion Ratio Lower Upper
128 100
49 175.4 0.0 452.5
130 125.0 0.0 315.0

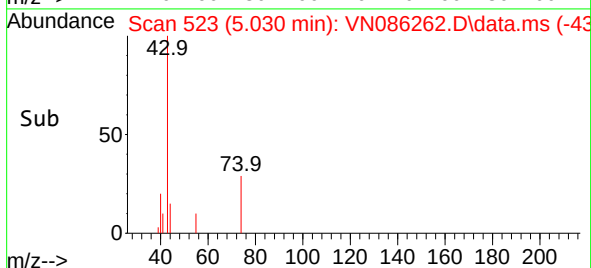
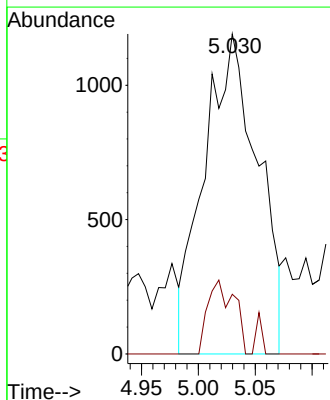
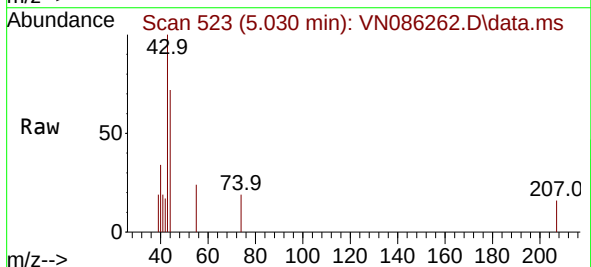
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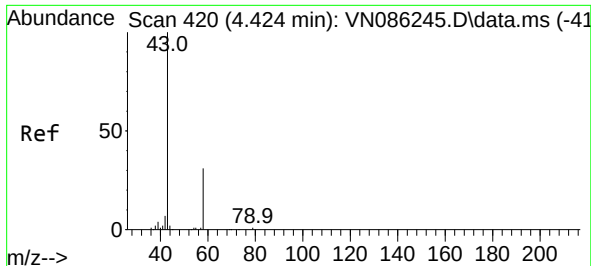
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
Methyl Acetate
Concen: 3.303 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

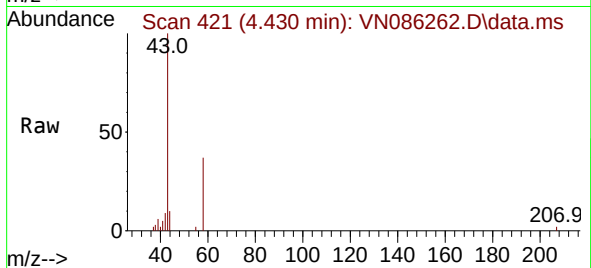
Tgt Ion: 43 Resp: 3912
Ion Ratio Lower Upper
43 100
74 18.6 19.1 28.7#





#15
Acetone
Concen: 83.954 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

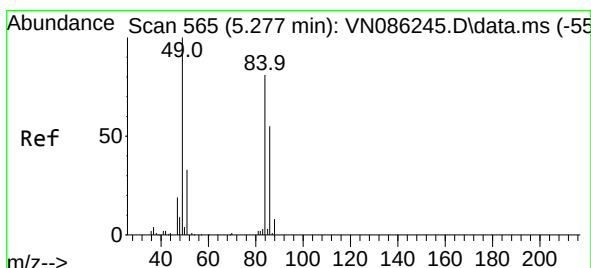
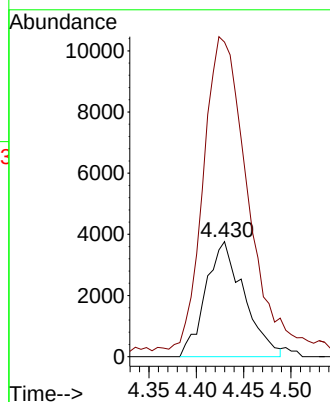
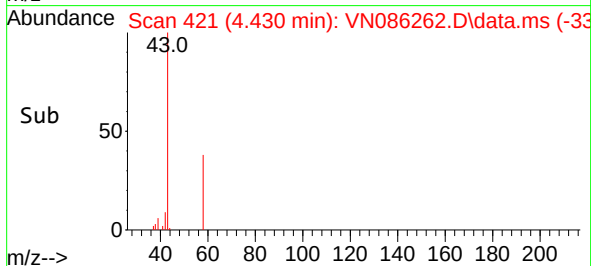
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#02



Tgt Ion: 58 Resp: 1064
Ion Ratio Lower Upper
58 100
43 261.1 261.8 392.8

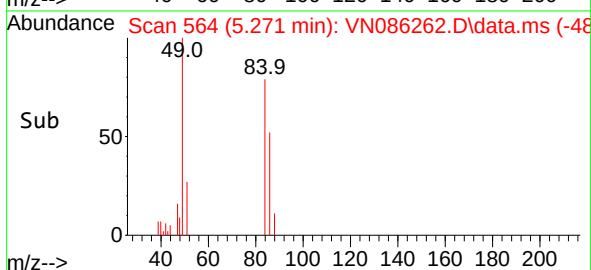
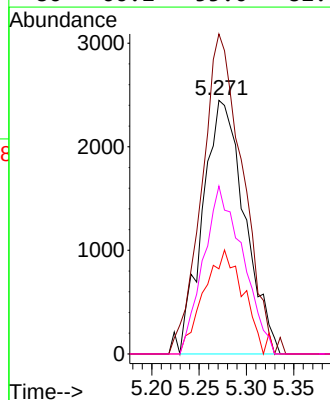
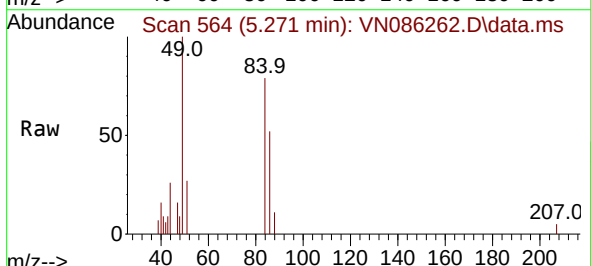
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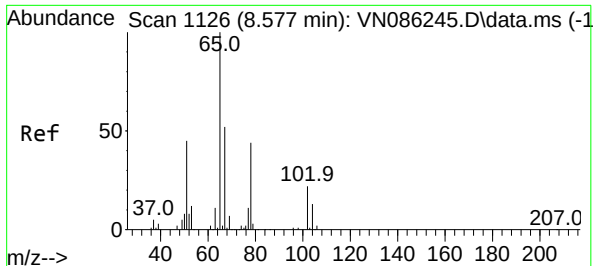
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methylene Chloride
Concen: 7.886 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

Tgt Ion: 84 Resp: 7542
Ion Ratio Lower Upper
84 100
49 119.7 99.1 148.7
51 33.5 32.3 48.5
86 66.2 55.0 82.4





#27

1,2-Dichloroethane-d4

Concen: 30.096 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086262.D

Acq: 14 Apr 2025 12:26

Instrument :

MSVOA_N

ClientSampleId :

PB167573ZHE#02

Tgt Ion: 65 Resp: 3233

Ion Ratio Lower Upper

65 100

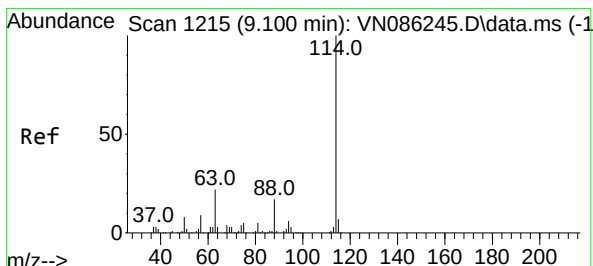
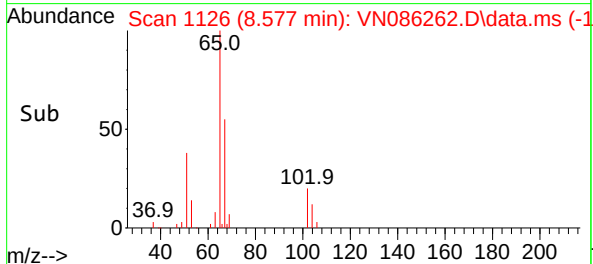
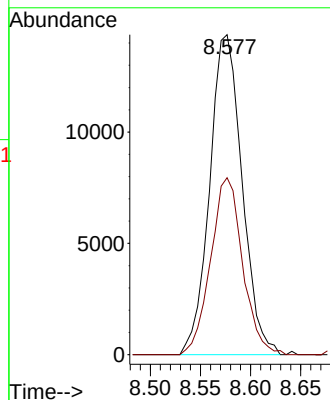
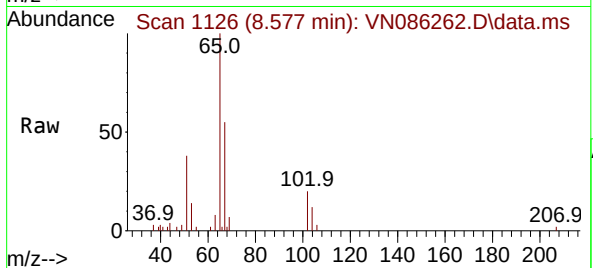
67 54.5 43.4 65.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/16/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086262.D

Acq: 14 Apr 2025 12:26

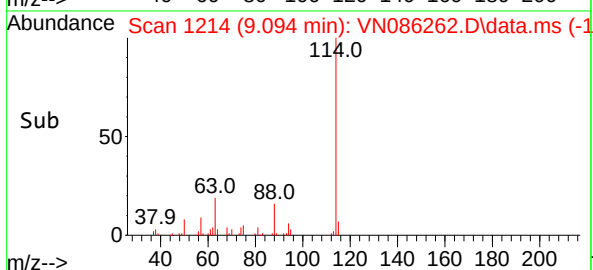
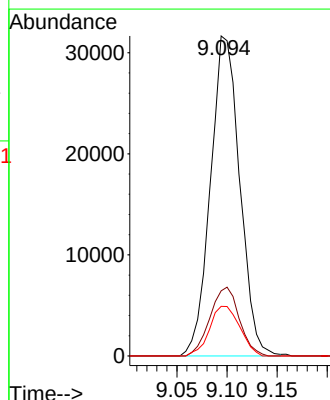
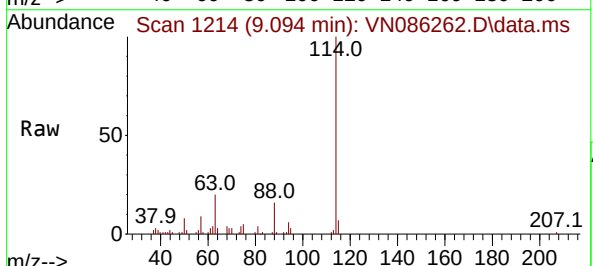
Tgt Ion:114 Resp: 64391

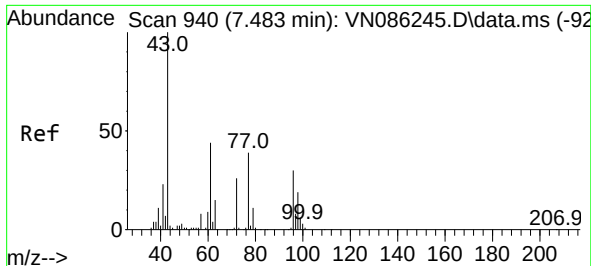
Ion Ratio Lower Upper

114 100

63 21.5 17.8 26.6

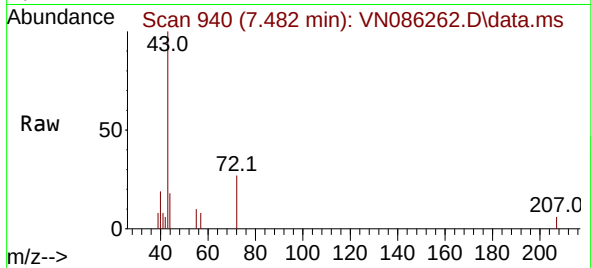
88 16.1 13.4 20.2





#30
2-Butanone
Concen: 9.633 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

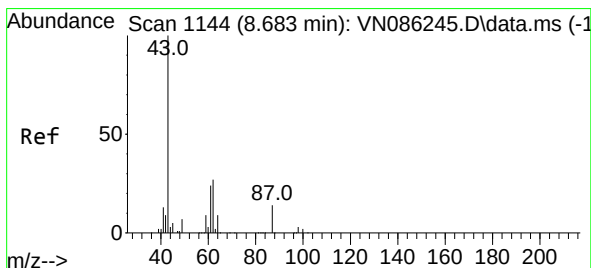
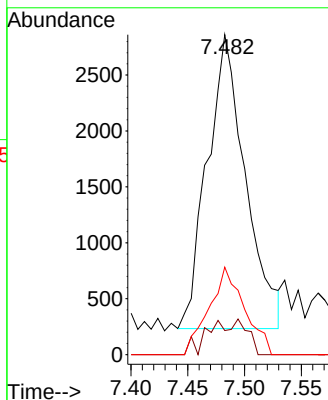
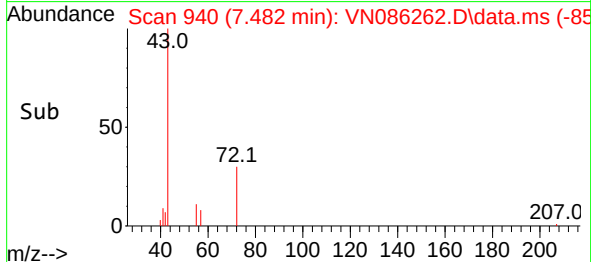
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#02



Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
57 5.5 6.4 9.6
72 27.7 21.5 32.3

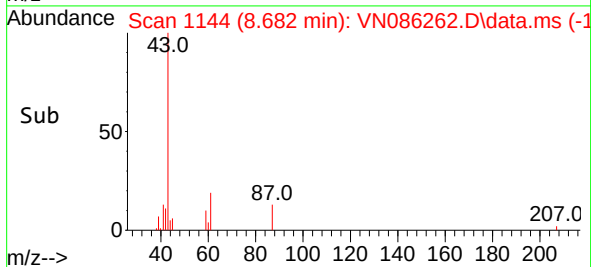
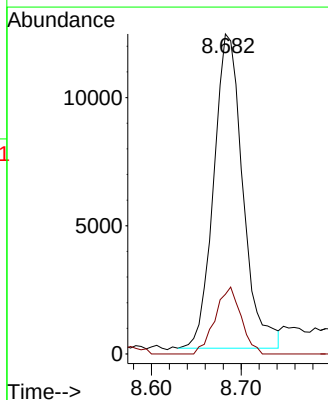
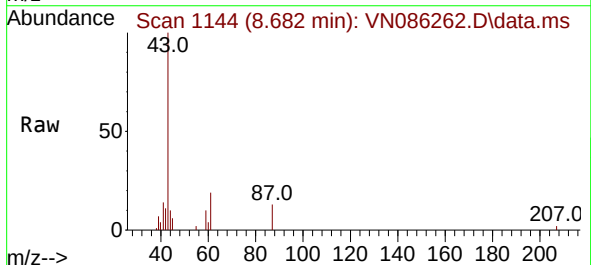
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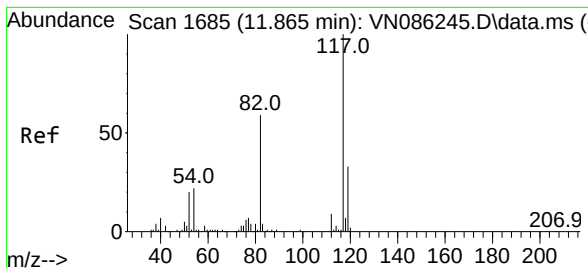
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#44
Isopropyl Acetate
Concen: 11.575 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

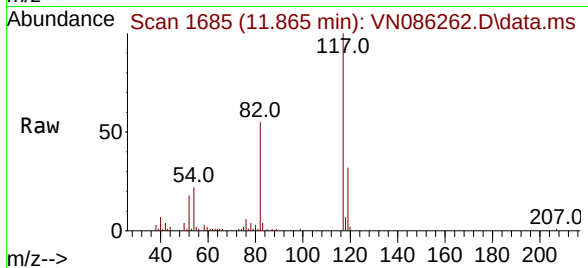
Tgt Ion: 43 Resp: 27683
Ion Ratio Lower Upper
43 100
61 18.9 20.5 30.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1185
Delta R.T. -0.000 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

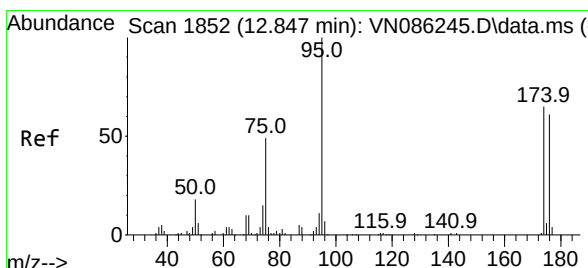
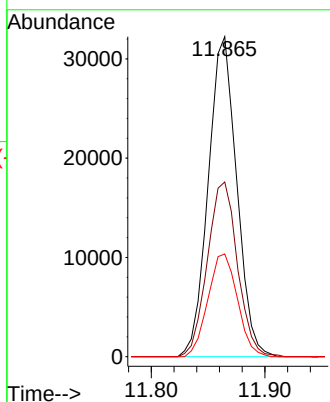
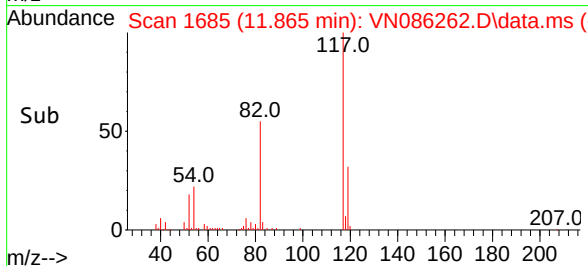
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#02



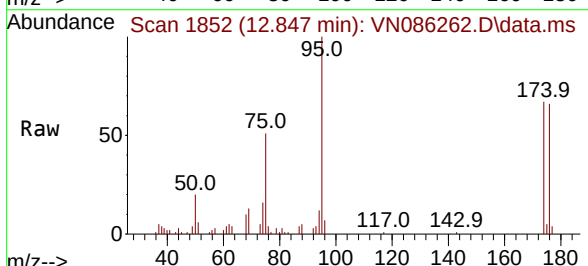
Tgt Ion: 117 Resp: 5620
Ion Ratio Lower Upper
117 100
82 57.6 47.3 70.9
119 33.2 25.9 38.9

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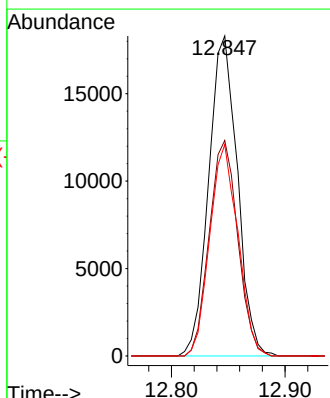
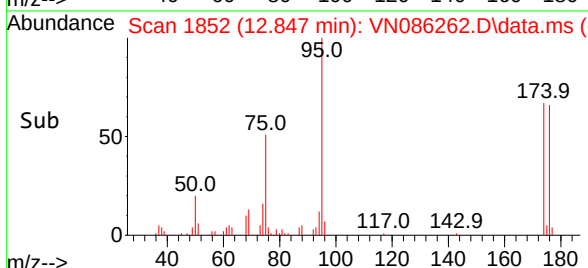
Reviewed By :John Carlone 04/16/2025
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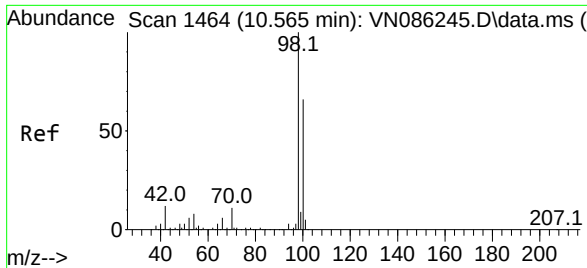


#60
4-Bromofluorobenzene
Concen: 28.705 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26



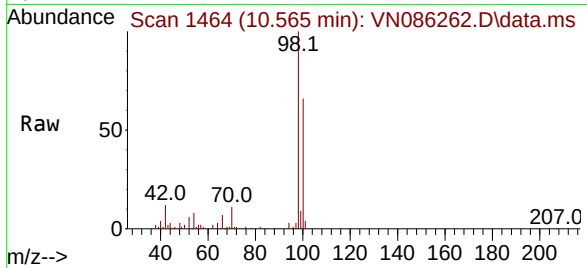
Tgt Ion: 95 Resp: 32122
Ion Ratio Lower Upper
95 100
174 66.9 52.7 79.1
176 64.8 49.8 74.8





#63
Toluene-d8
Concen: 29.833 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086262.D
Acq: 14 Apr 2025 12:26

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#02



Tgt Ion: 98 Resp: 9466
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5

Manual Integrations
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