

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086263.D
 Acq On : 14 Apr 2025 12:50
 Operator : JC\MD
 Sample : PB167573ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#03

Manual Integrations
 APPROVED

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

Quant Time: Apr 15 03:08:25 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	28271	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	167984	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146294	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82830	30.038	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.133%			
60) 4-Bromofluorobenzene	12.847	95	81102	27.845	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.800%			
63) Toluene-d8	10.565	98	249489	30.208	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.700%			
Target Compounds						
12) Methyl Acetate	5.036	43	3636m	1.196	ug/l	Qvalue
15) Acetone	4.430	58	9980	30.670	ug/l	83
18) Methylene Chloride	5.277	84	7538	3.071	ug/l #	91
44) Isopropyl Acetate	8.682	43	29665	4.754	ug/l #	85

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

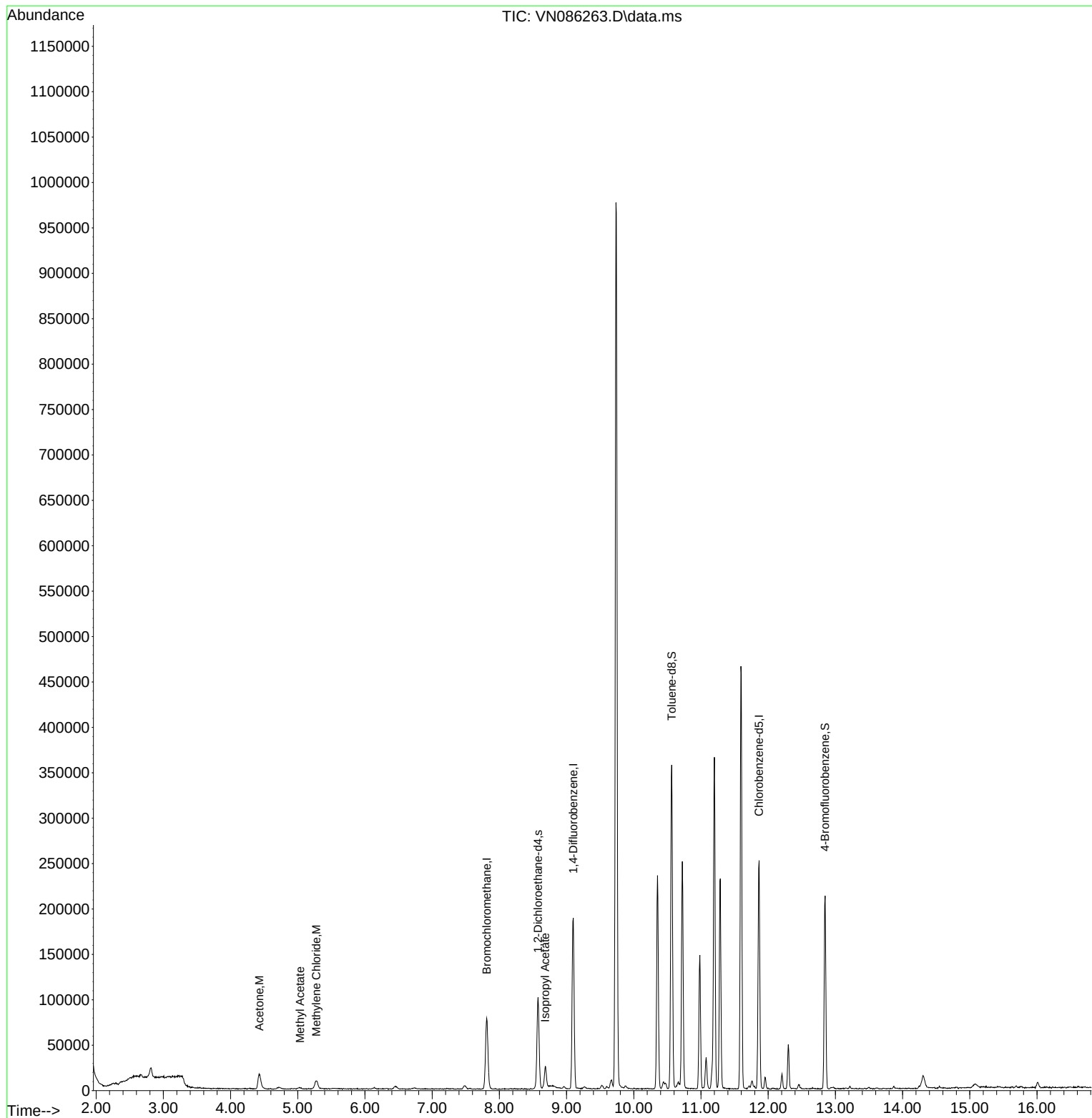
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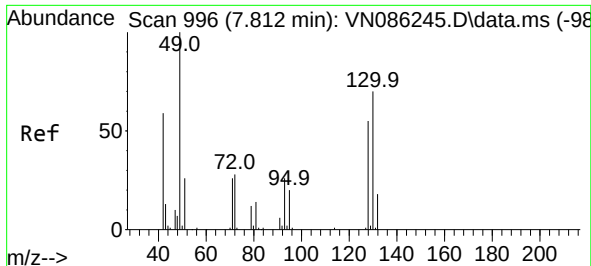
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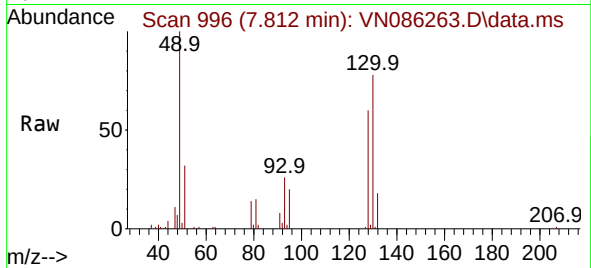
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

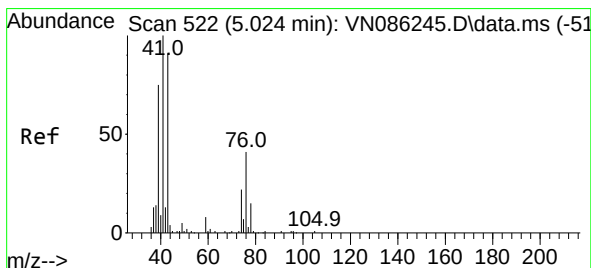
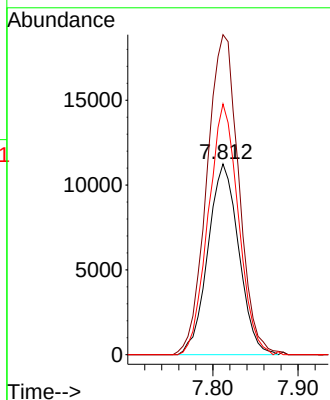
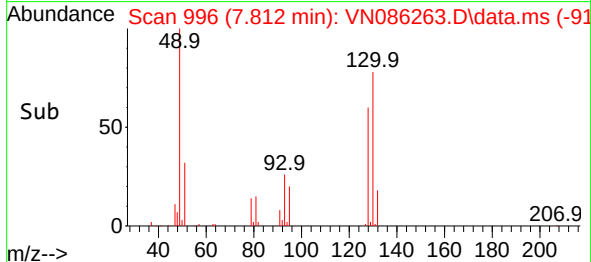
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#03



Tgt Ion:128 Resp: 2827
Ion Ratio Lower Upper
128 100
49 173.9 0.0 452.5
130 128.8 0.0 315.0

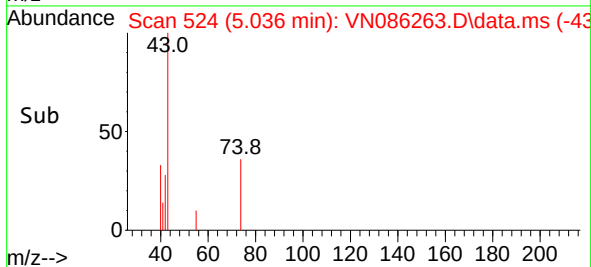
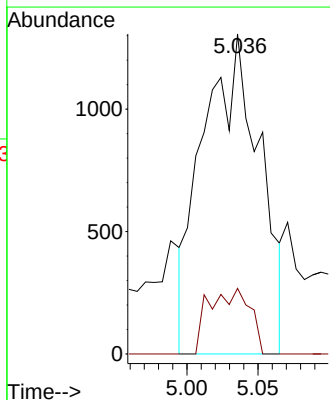
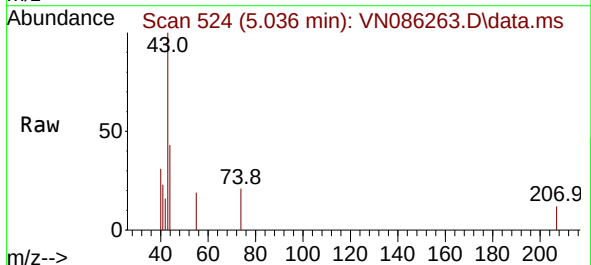
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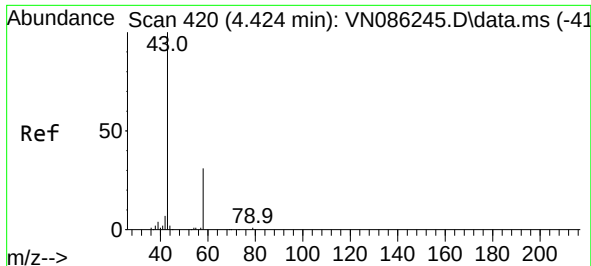
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
Methyl Acetate
Concen: 1.196 ug/l m
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

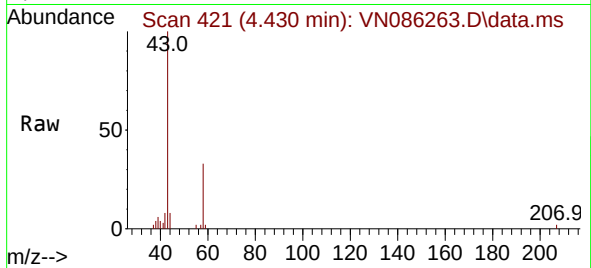
Tgt Ion: 43 Resp: 3636
Ion Ratio Lower Upper
43 100
74 20.5 19.1 28.7





#15
Acetone
Concen: 30.670 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

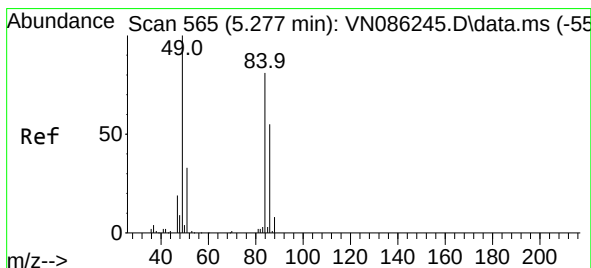
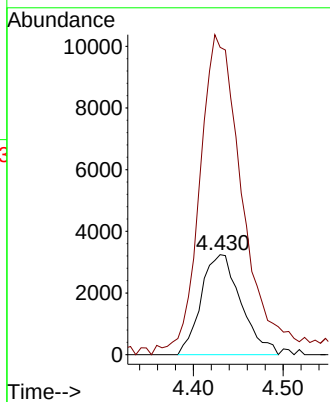
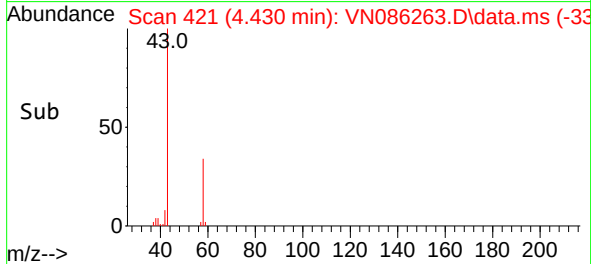
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#03



Tgt Ion: 58 Resp: 9980
Ion Ratio Lower Upper
58 100
43 291.2 261.8 392.8

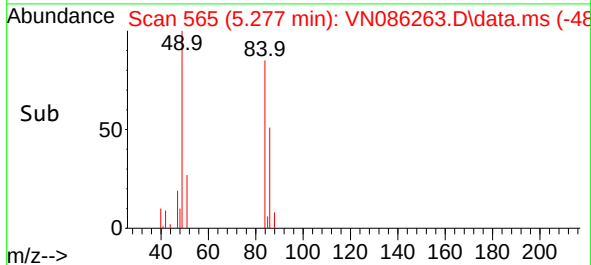
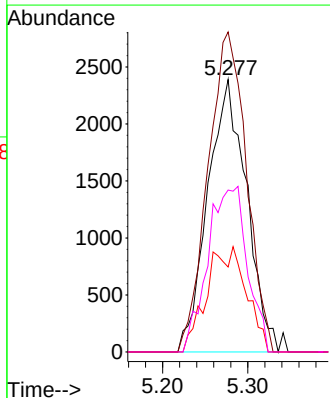
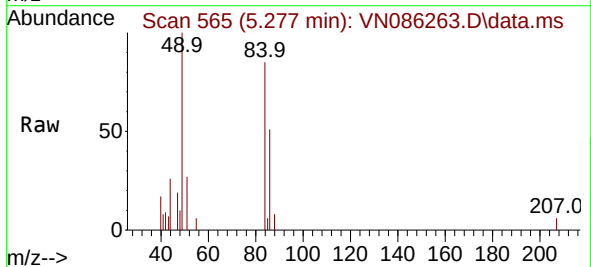
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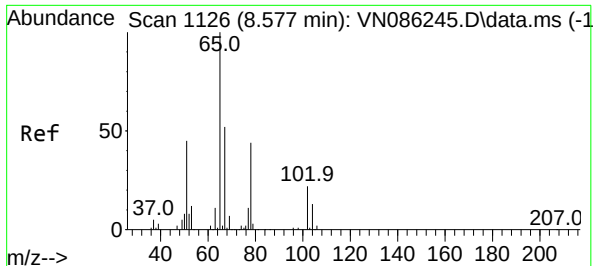
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methylene Chloride
Concen: 3.071 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

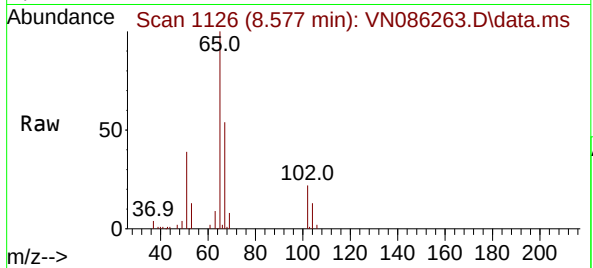
Tgt Ion: 84 Resp: 7538
Ion Ratio Lower Upper
84 100
49 117.4 99.1 148.7
51 31.2 32.3 48.5#
86 59.4 55.0 82.4





#27
1,2-Dichloroethane-d4
Concen: 30.038 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

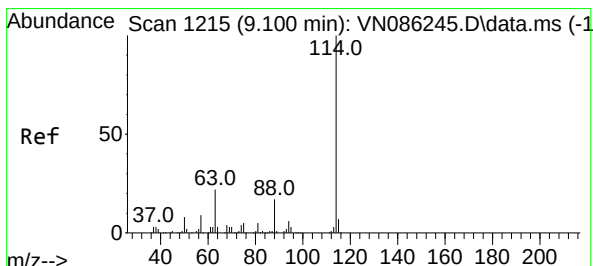
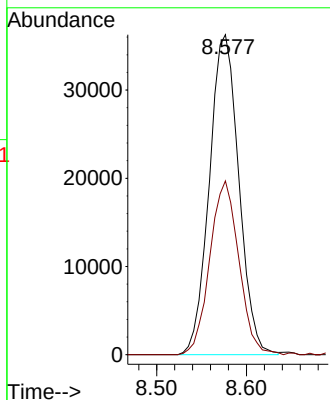
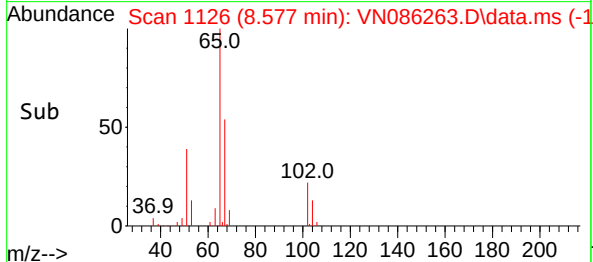
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#03



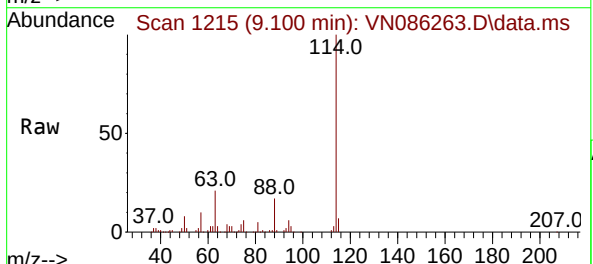
Tgt Ion: 65 Resp: 82830
Ion Ratio Lower Upper
65 100
67 53.4 43.4 65.2

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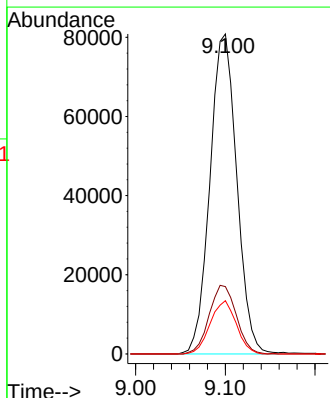
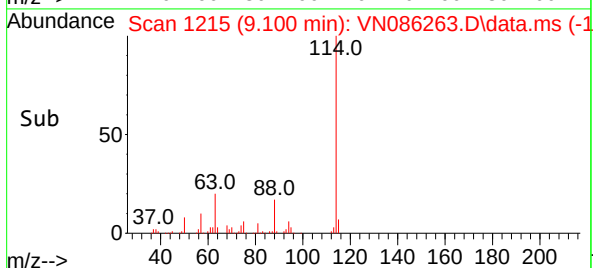
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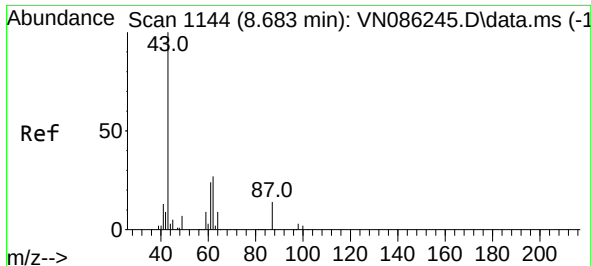


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50



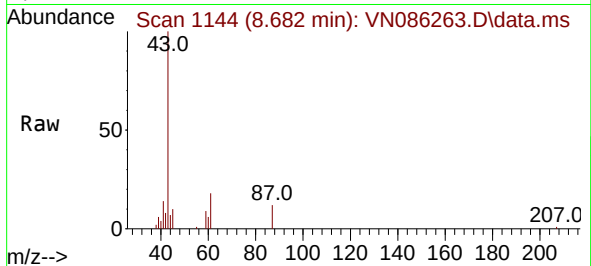
Tgt Ion:114 Resp: 167984
Ion Ratio Lower Upper
114 100
63 21.7 17.8 26.6
88 16.2 13.4 20.2





#44
Isopropyl Acetate
Concen: 4.754 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

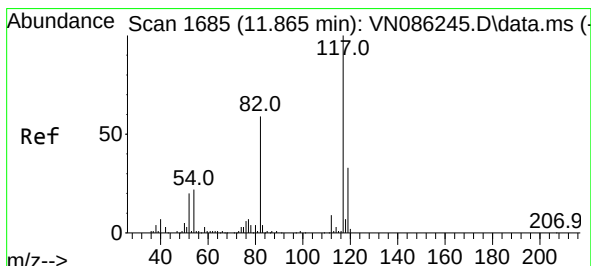
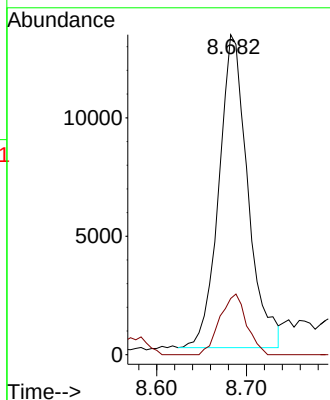
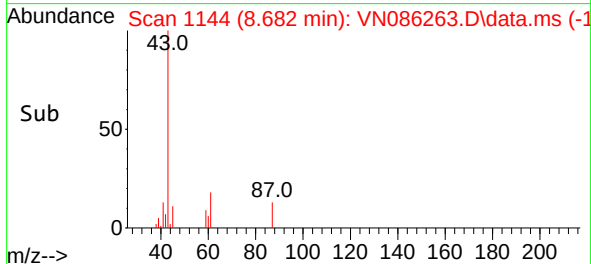
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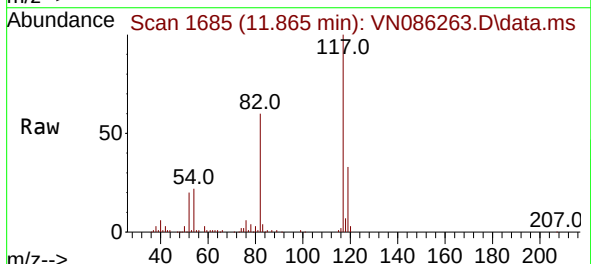
Tgt Ion: 43 Resp: 2966
Ion Ratio Lower Upper
43 100
61 17.9 20.5 30.7

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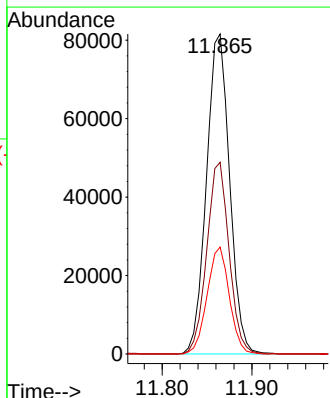
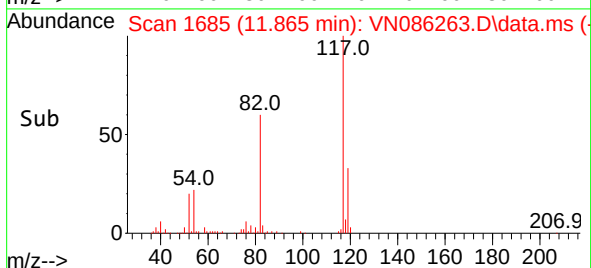
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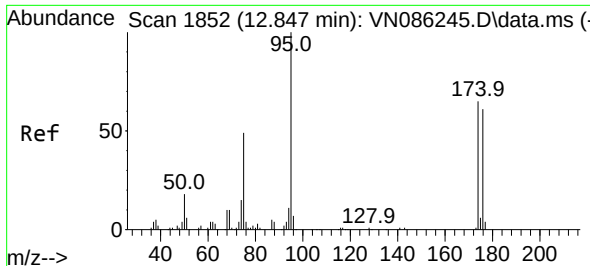


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50



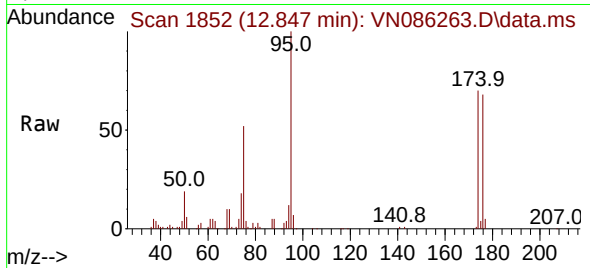
Tgt Ion:117 Resp: 146294
Ion Ratio Lower Upper
117 100
82 57.8 47.3 70.9
119 32.1 25.9 38.9





#60
4-Bromofluorobenzene
Concen: 27.845 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50

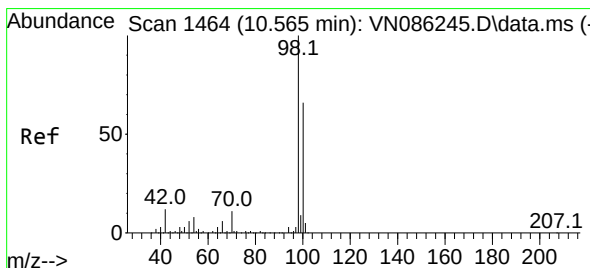
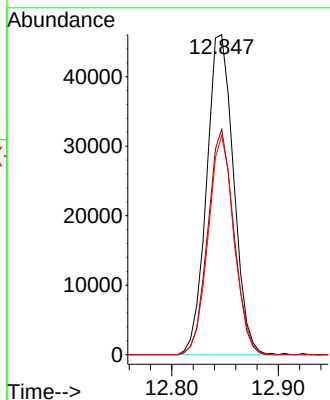
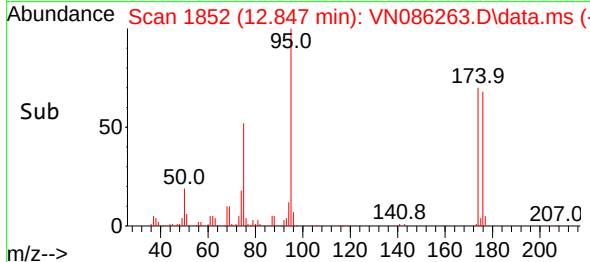
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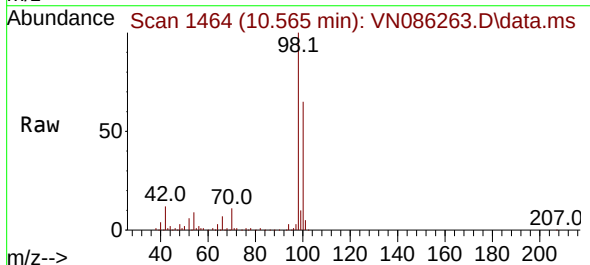
Tgt Ion: 95 Resp: 8110
Ion Ratio Lower Upper
95 100
174 67.6 52.7 79.1
176 65.7 49.8 74.8

Manual Integrations
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#63
Toluene-d8
Concen: 30.208 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086263.D
Acq: 14 Apr 2025 12:50



Tgt Ion: 98 Resp: 249489
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

