

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086437.D
 Acq On : 30 Apr 2025 15:27
 Operator : JC\MD
 Sample : PB167775ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#07

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/02/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 01 01:35:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	155199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109559	48.682	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.360%		
35) Dibromofluoromethane	8.165	113	70430	51.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.880%		
50) Toluene-d8	10.565	98	369478	50.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.847	95	127703	48.312	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.620%		
Target Compounds						
11) Tert butyl alcohol	5.518	59	7889	19.212	ug/l #	78
16) Acetone	4.430	43	35630	41.021	ug/l	96
20) Methylene Chloride	5.277	84	7976	3.834	ug/l	92
25) 2-Butanone	7.483	43	35565	25.388	ug/l	97
43) Isopropyl Acetate	8.688	43	35968m	5.258	ug/l	

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

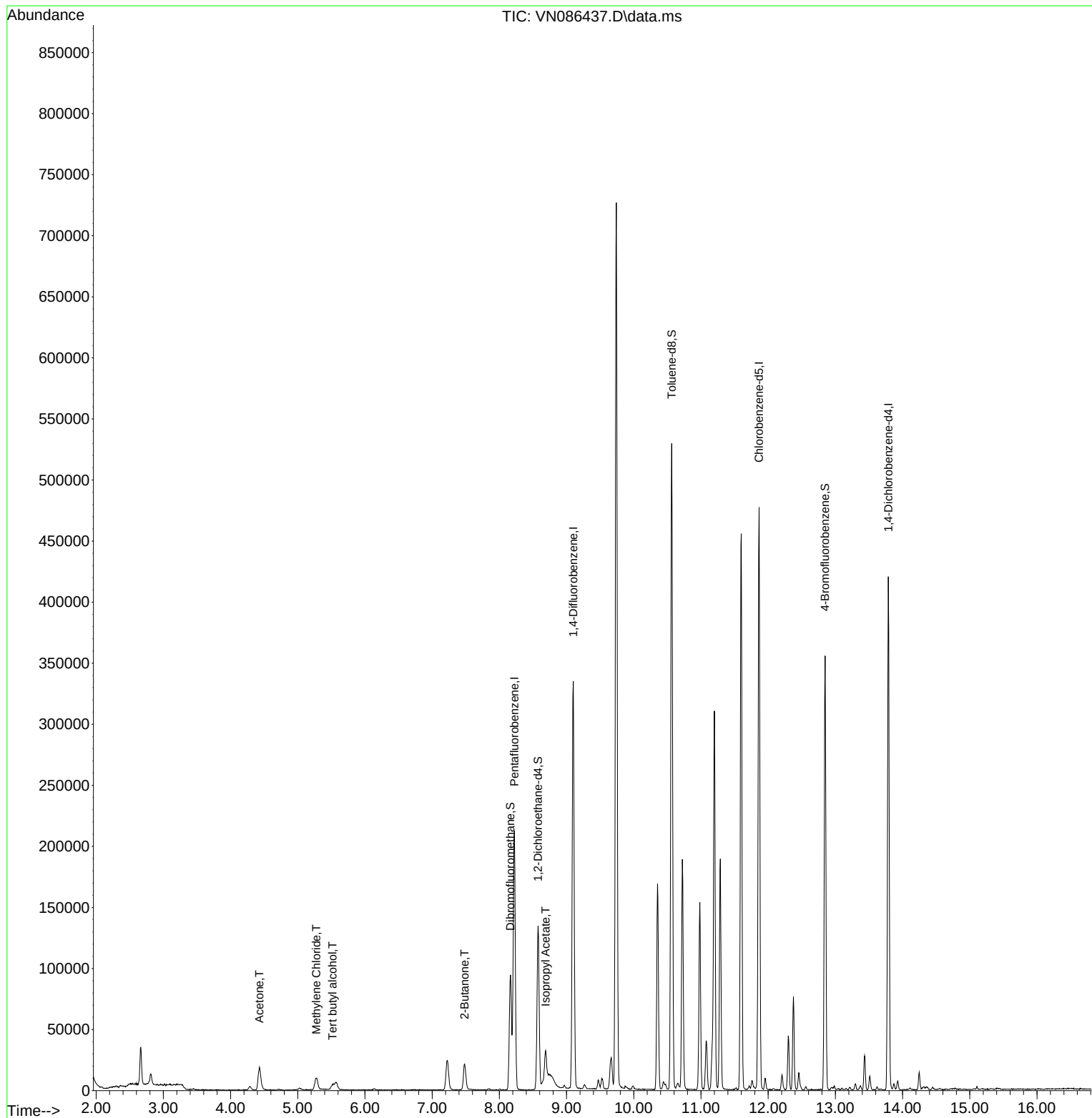
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
Data File : VN086437.D
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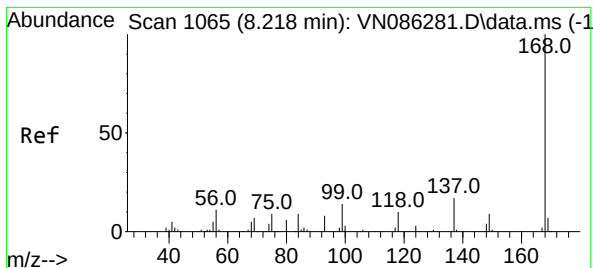
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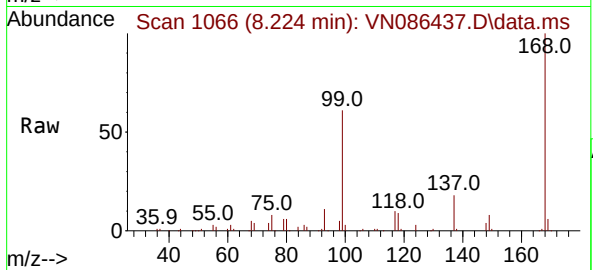
Quant Time: May 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

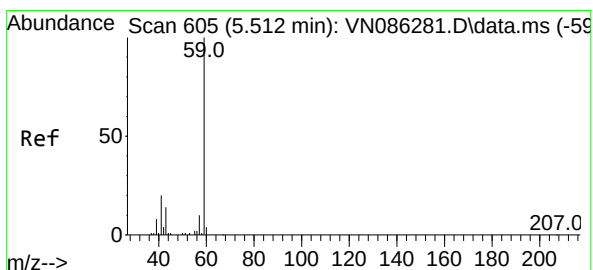
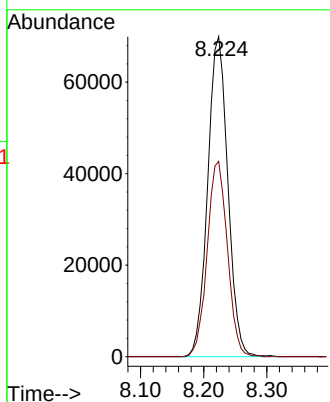
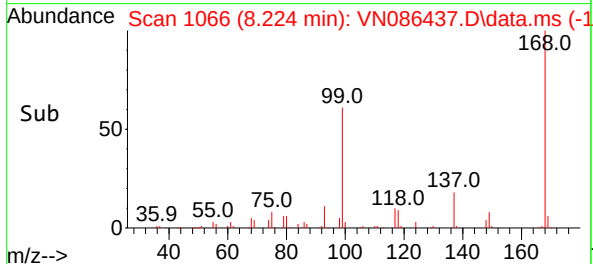
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#07



Tgt Ion:168 Resp: 155199
Ion Ratio Lower Upper
168 100
99 61.1 52.5 78.7

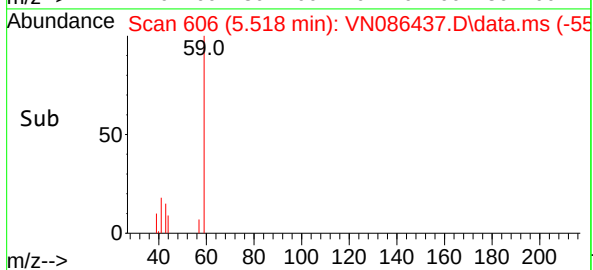
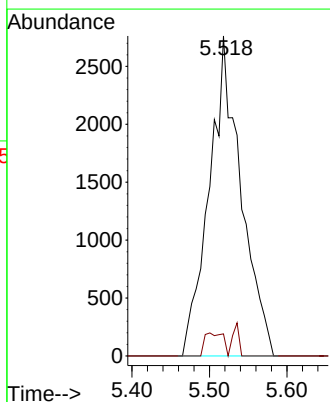
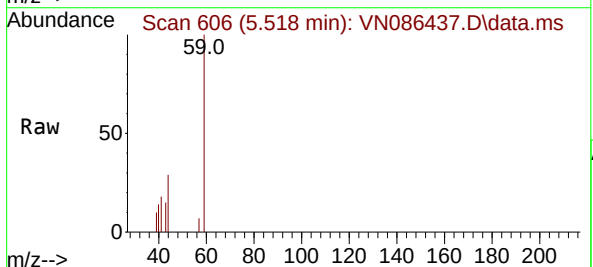
Manual Integrations
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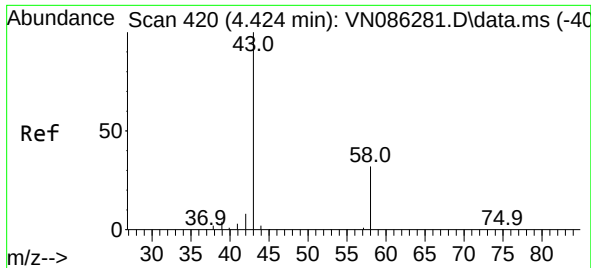
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#11
Tert butyl alcohol
Concen: 19.212 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

Tgt Ion: 59 Resp: 7889
Ion Ratio Lower Upper
59 100
57 2.1 8.3 12.5#





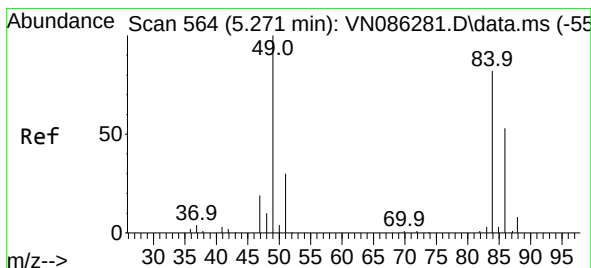
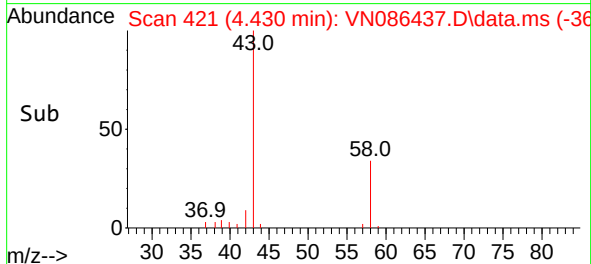
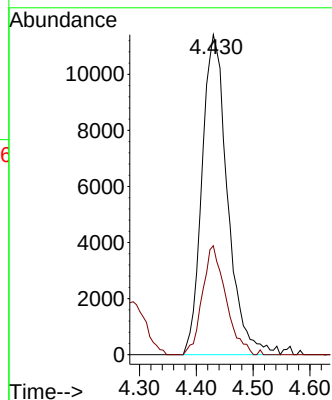
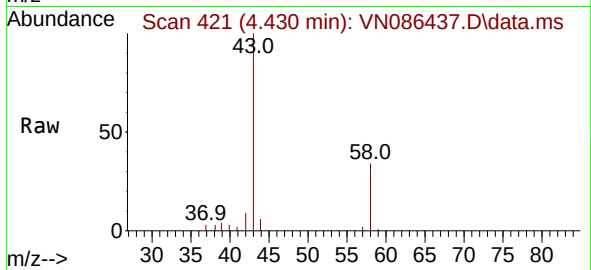
#16
Acetone
Concen: 41.021 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#07

Tgt Ion: 43 Resp: 35630
Ion Ratio Lower Upper
43 100
58 34.0 25.3 37.9

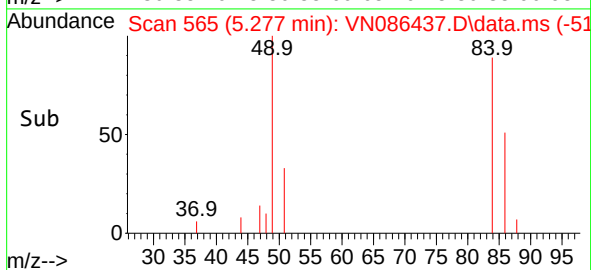
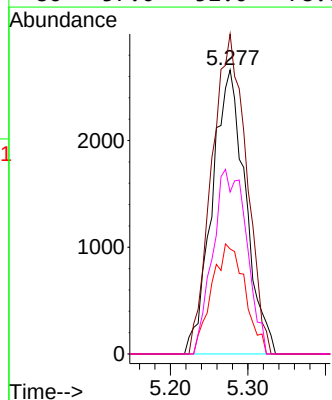
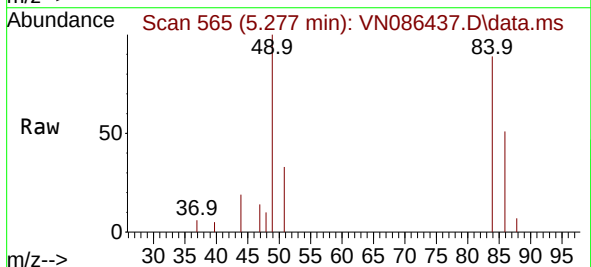
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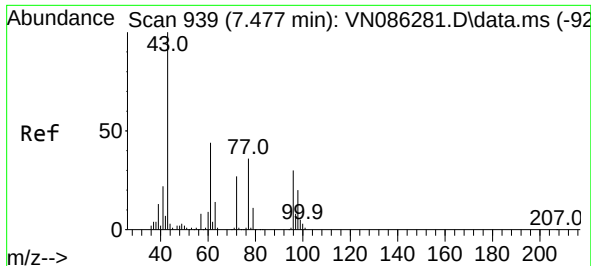
Reviewed By :John Carlone 05/02/2025
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#20
Methylene Chloride
Concen: 3.834 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

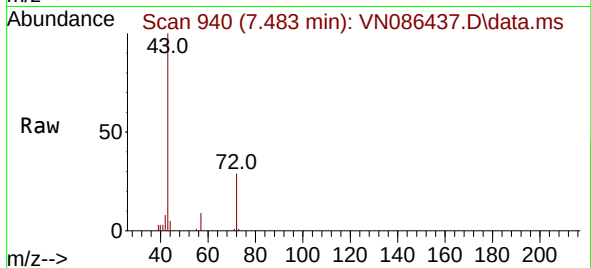
Tgt Ion: 84 Resp: 7976
Ion Ratio Lower Upper
84 100
49 112.7 98.2 147.2
51 36.9 29.8 44.6
86 57.0 52.0 78.0





#25
2-Butanone
Concen: 25.388 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

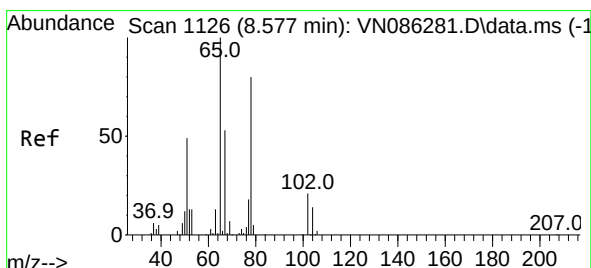
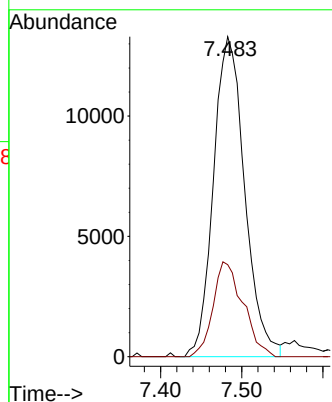
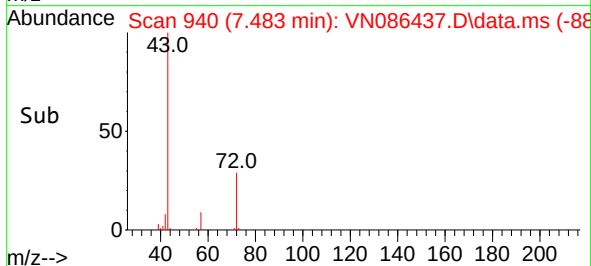
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#07



Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
72 28.7 21.7 32.5

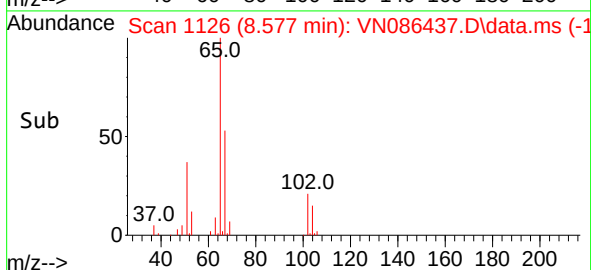
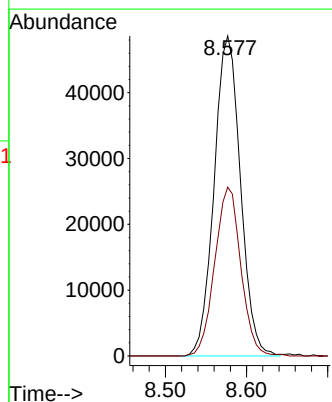
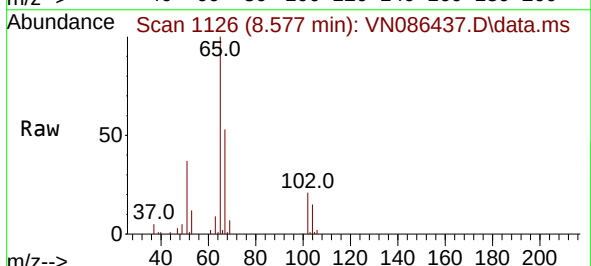
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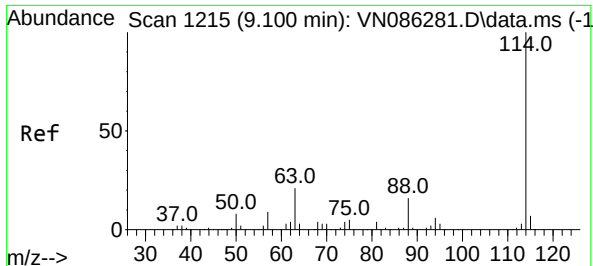
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#33
1,2-Dichloroethane-d4
Concen: 48.682 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

Tgt Ion: 65 Resp: 109559
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086437.D

Acq: 30 Apr 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#07

Tgt Ion:114 Resp: 292164

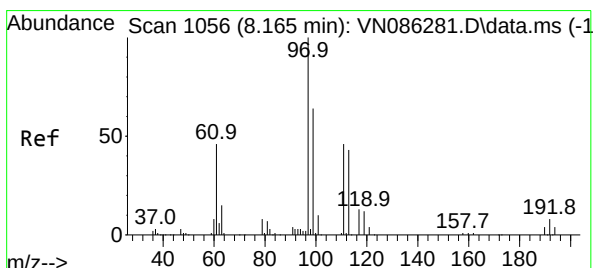
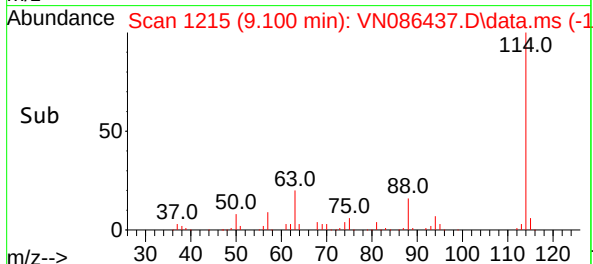
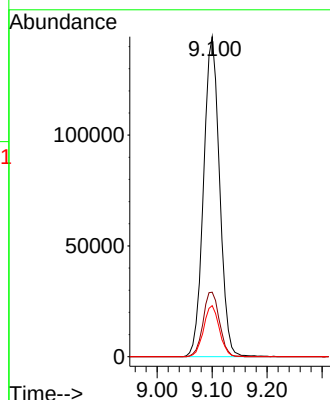
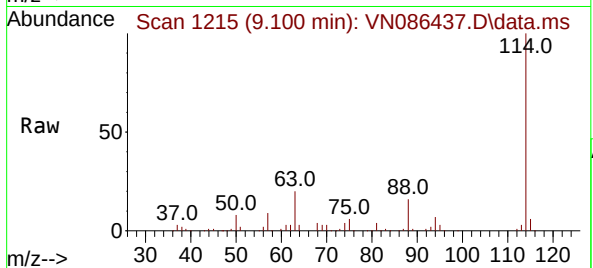
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.6
88	15.9	0.0	31.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 05/05/2025



#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 8.165 min Scan# 1056

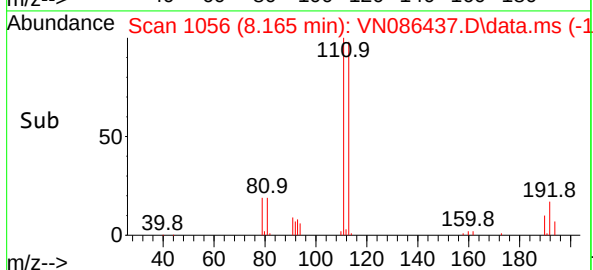
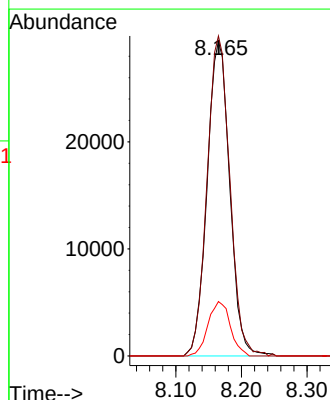
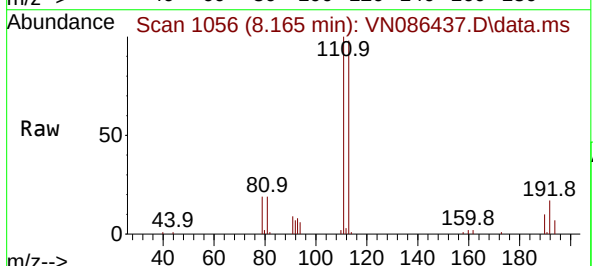
Delta R.T. 0.000 min

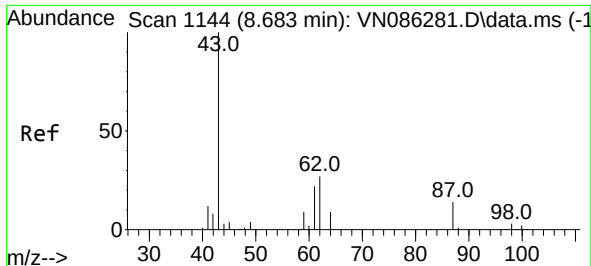
Lab File: VN086437.D

Acq: 30 Apr 2025 15:27

Tgt Ion:113 Resp: 70430

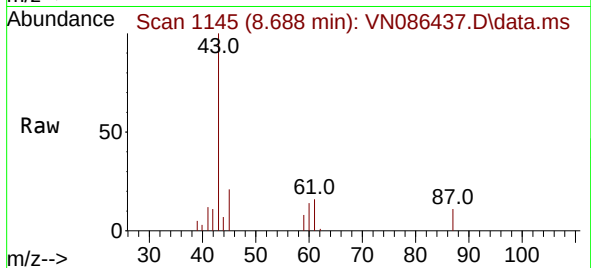
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.4	125.0
192	17.0	13.7	20.5





#43
Isopropyl Acetate
Concen: 5.258 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

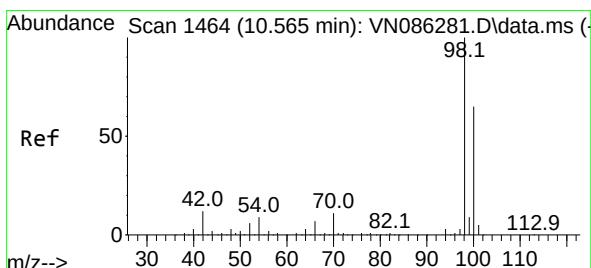
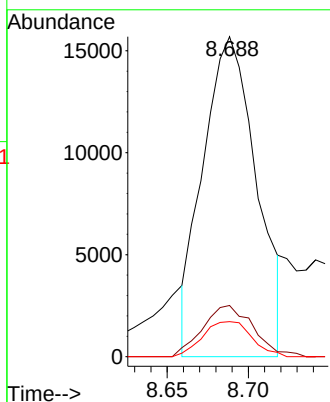
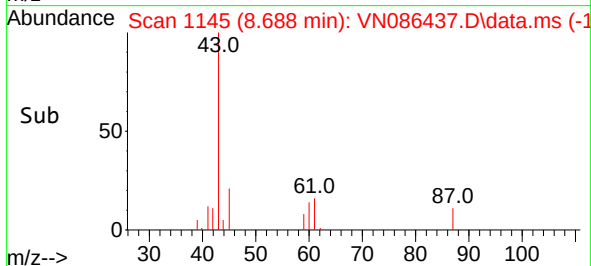
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#07



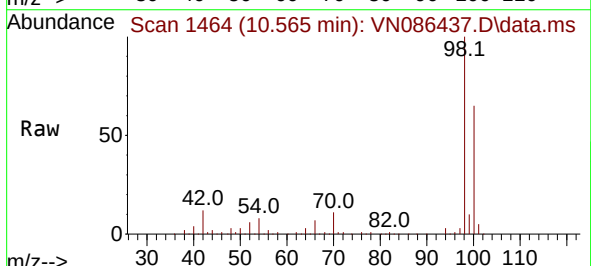
Tgt Ion: 43 Resp: 35968
Ion Ratio Lower Upper
43 100
61 15.2 20.5 30.7
87 10.1 10.5 15.7

Manual Integrations
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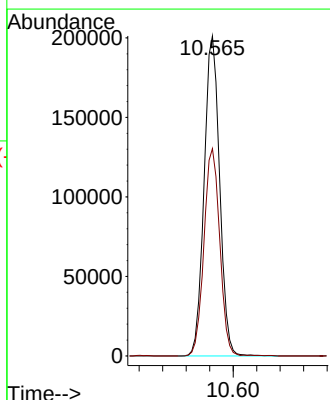
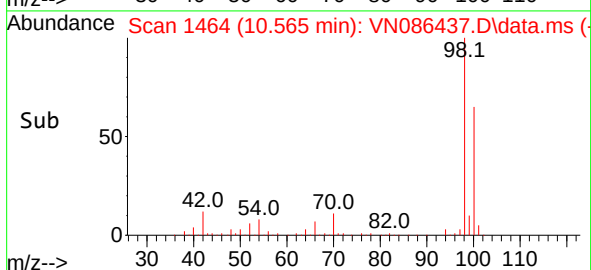
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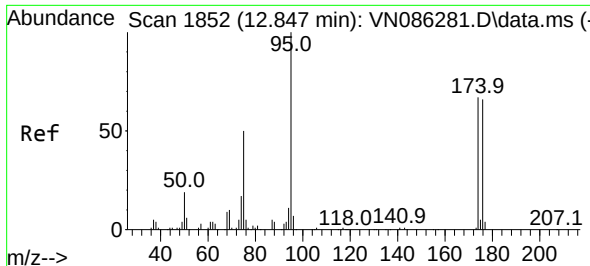


#50
Toluene-d8
Concen: 50.984 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27



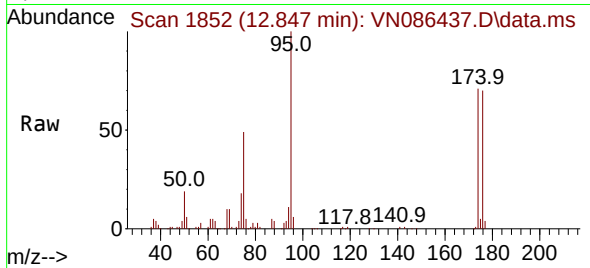
Tgt Ion: 98 Resp: 369478
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 48.312 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27

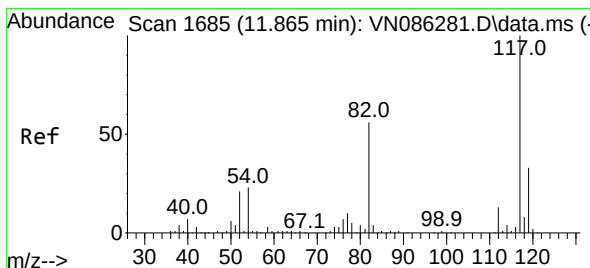
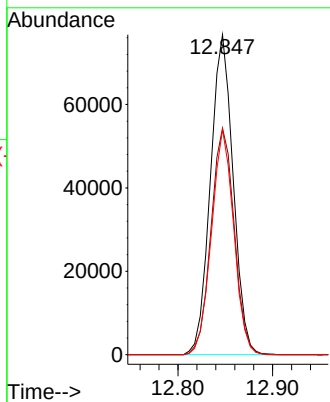
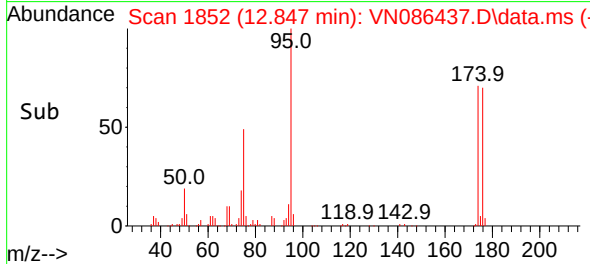
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ClientSampleId :
PB167775ZHE#07



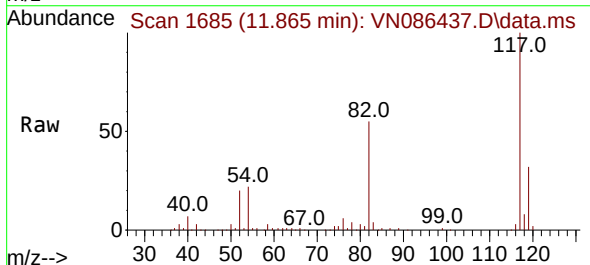
Tgt Ion: 95 Resp: 12770
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.4
176 69.0 0.0 129.2

Manual Integrations
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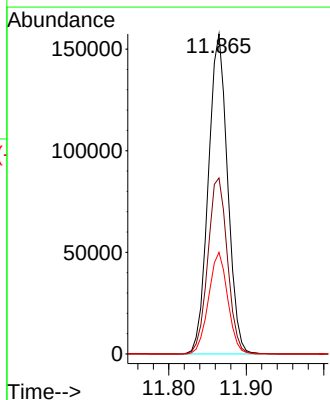
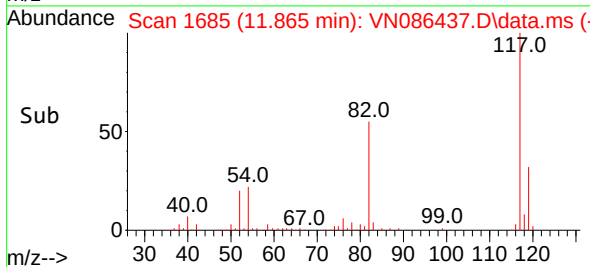
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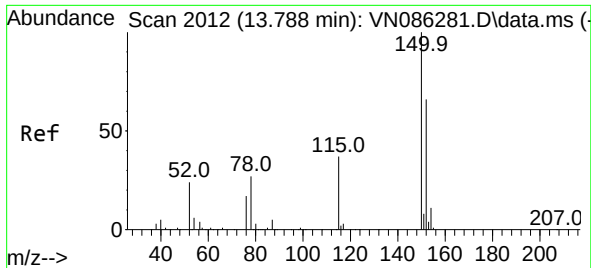


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086437.D
Acq: 30 Apr 2025 15:27



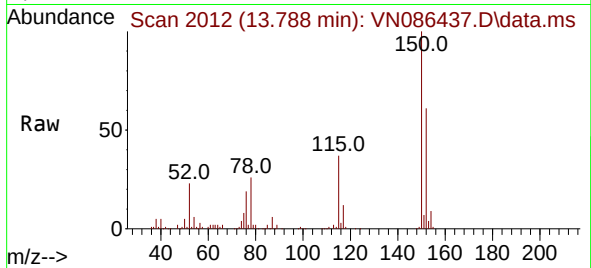
Tgt Ion:117 Resp: 271539
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 31.8 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN086437.D
 Acq: 30 Apr 2025 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#07



Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.9	95.9
150	161.1	0.0	352.0

Manual Integrations
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