

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086596.D
 Acq On : 13 May 2025 12:58
 Operator : JC\MD
 Sample : PB167932ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#15

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:42:37 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	173534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	333224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123071	48.908	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.165	113	97613	63.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	126.240%#		
50) Toluene-d8	10.565	98	422891	51.164	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.320%		
62) 4-Bromofluorobenzene	12.847	95	149174	49.481	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.960%		
Target Compounds					Qvalue	
16) Acetone	4.436	43	23239	21.495	ug/l	94
20) Methylene Chloride	5.277	84	4698	2.019	ug/l #	75
43) Isopropyl Acetate	8.688	43	25893m	2.623	ug/l	

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

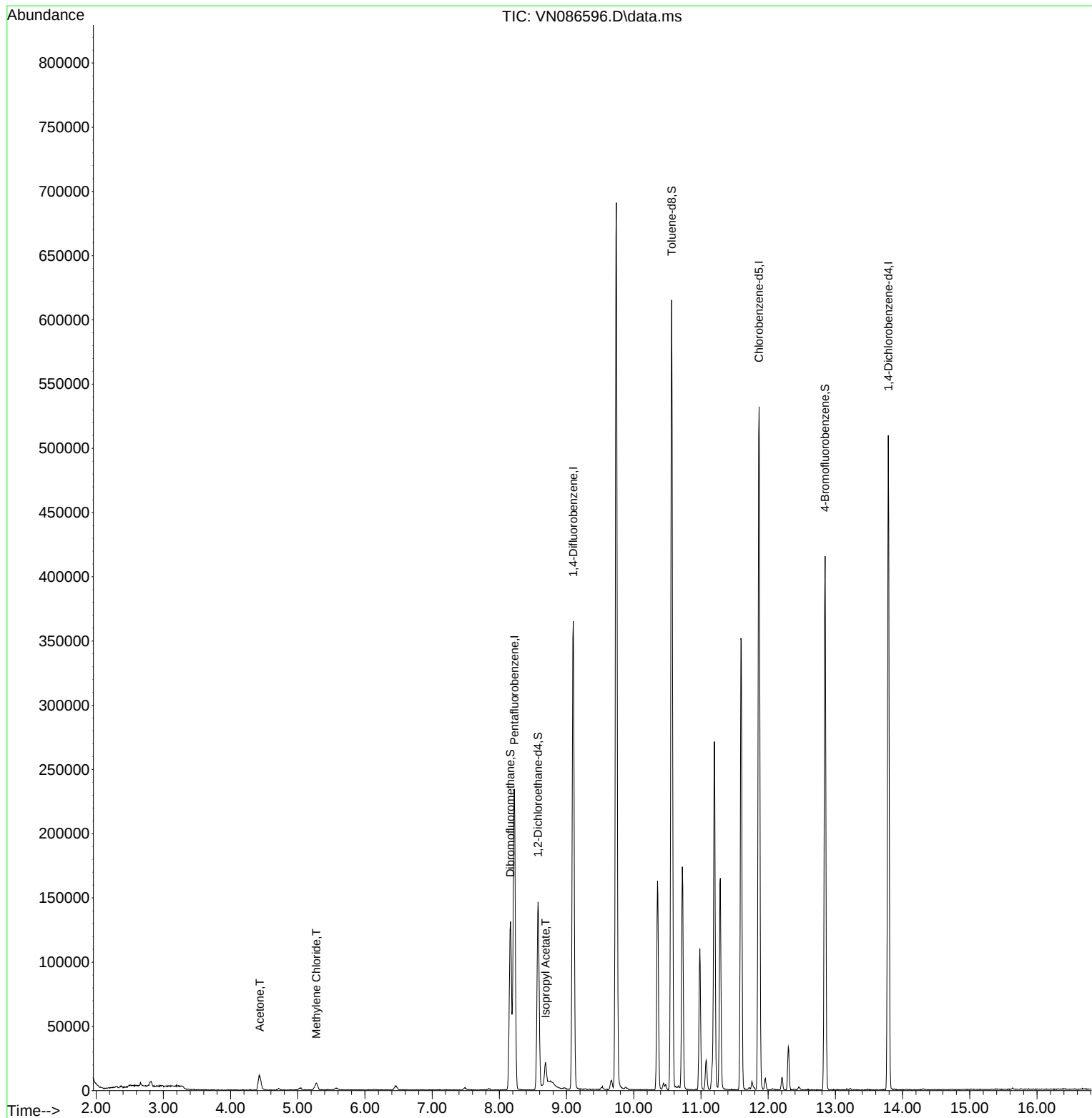
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
Data File : VN086596.D
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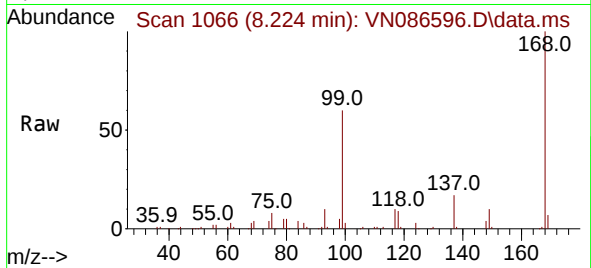
Quant Time: May 14 01:42:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58

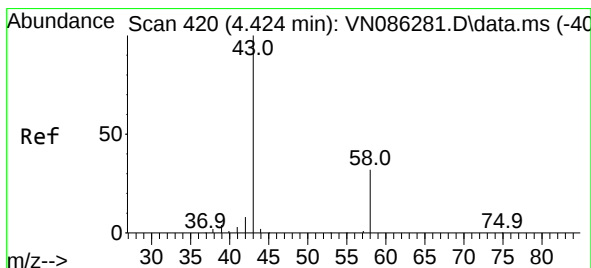
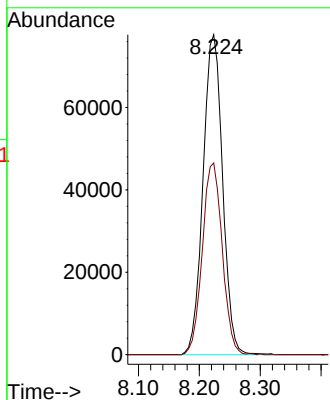
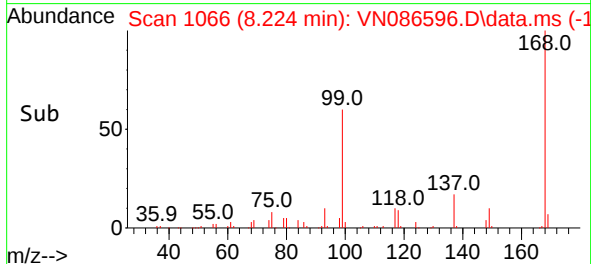
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#15



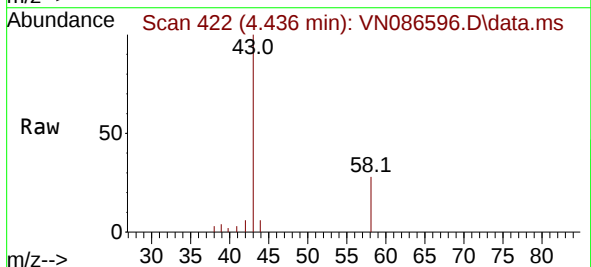
Tgt Ion:168 Resp: 173534
Ion Ratio Lower Upper
168 100
99 59.9 52.5 78.7

Manual Integrations
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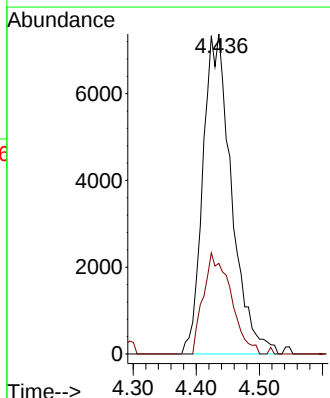
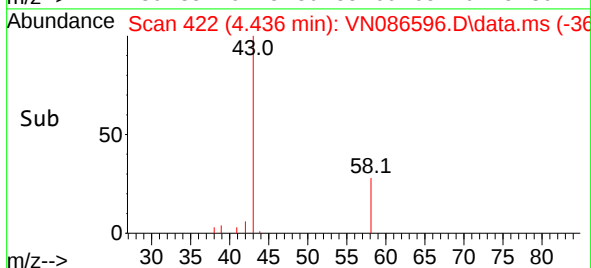
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16
Acetone
Concen: 21.495 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58



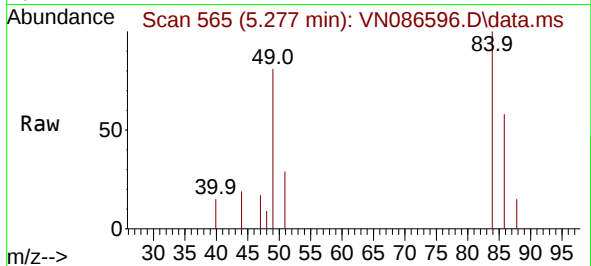
Tgt Ion: 43 Resp: 23239
Ion Ratio Lower Upper
43 100
58 28.3 25.3 37.9





#20
Methylene Chloride
Concen: 2.019 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58

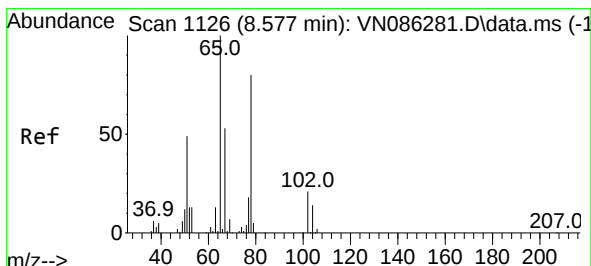
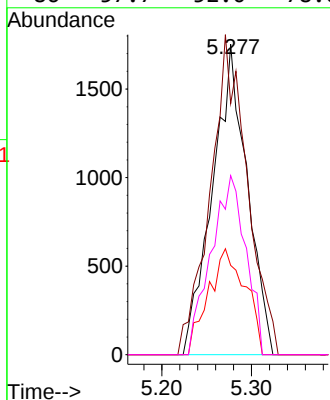
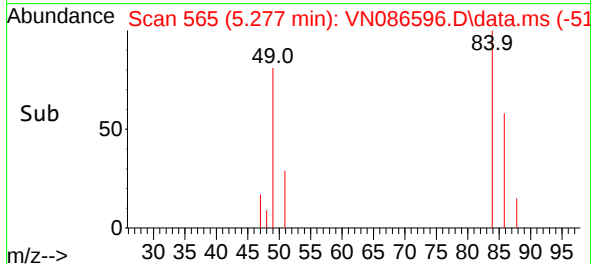
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#15



Tgt Ion: 84 Resp: 4698
Ion Ratio Lower Upper
84 100
49 80.9 98.2 147.2
51 28.8 29.8 44.6
86 57.7 52.0 78.0

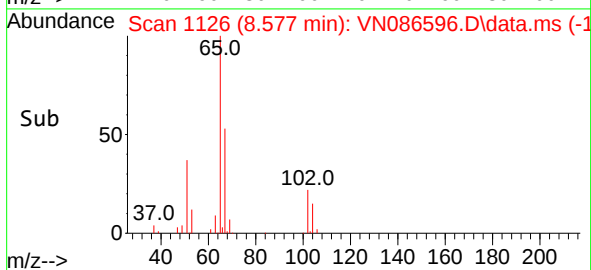
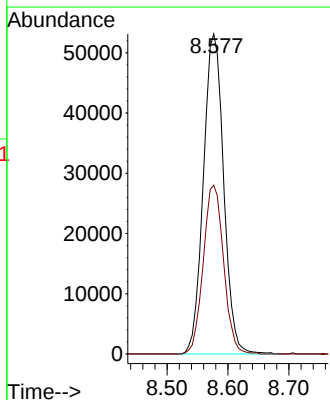
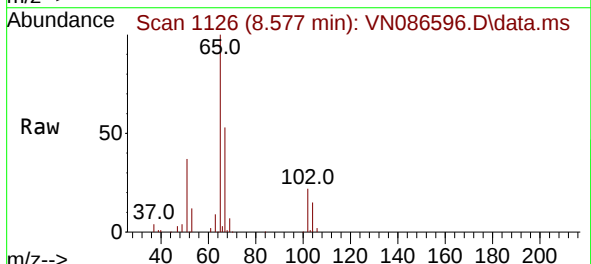
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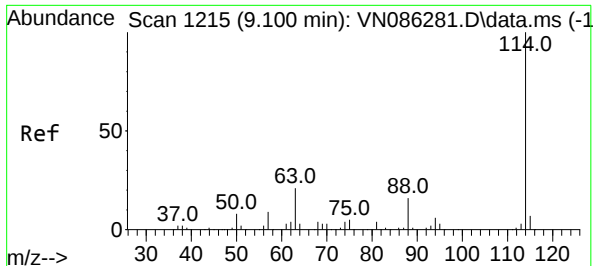
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#33
1,2-Dichloroethane-d4
Concen: 48.908 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58

Tgt Ion: 65 Resp: 123071
Ion Ratio Lower Upper
65 100
67 52.8 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: VN086596.D

Acq: 13 May 2025 12:58

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#15

Tgt Ion:114 Resp: 333224

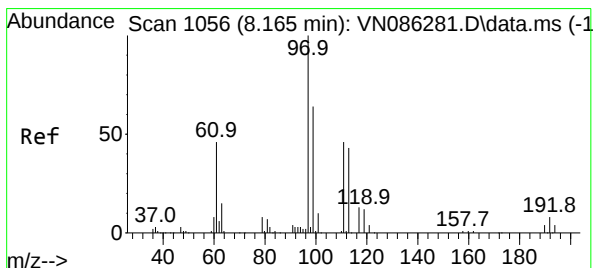
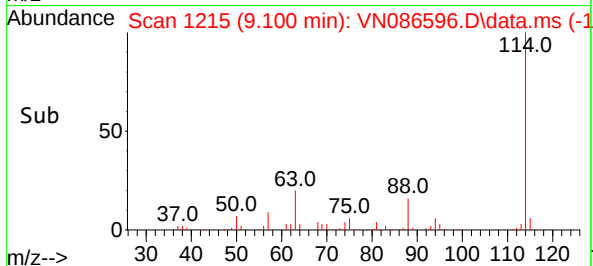
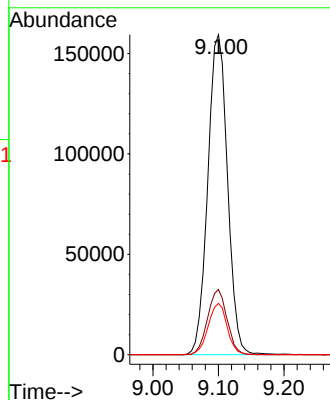
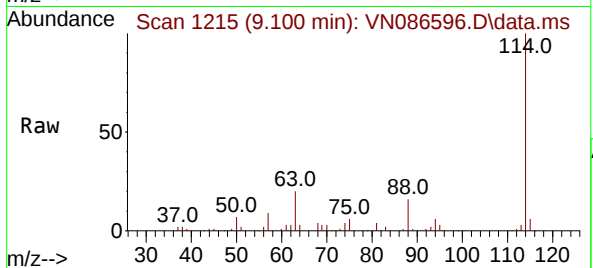
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.6
88	16.1	0.0	31.8

Manual Integrations

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Supervised By :Mahesh Dadoda 05/14/2025



#35

Dibromofluoromethane

Concen: 63.117 ug/l

RT: 8.165 min Scan# 1056

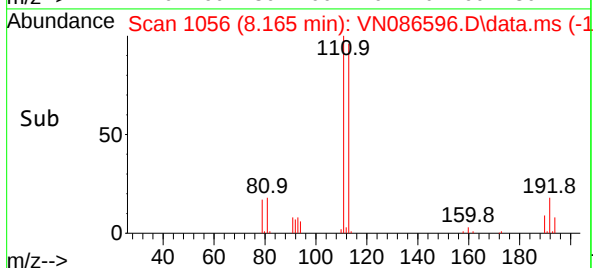
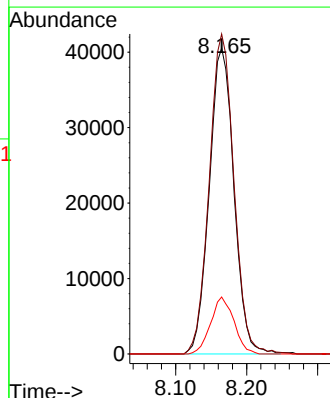
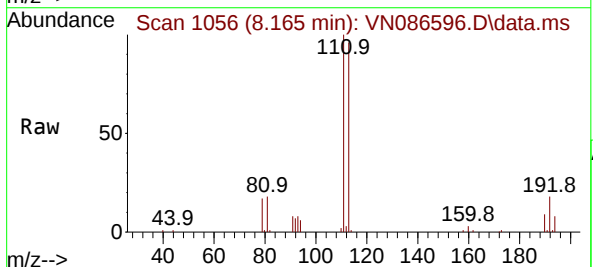
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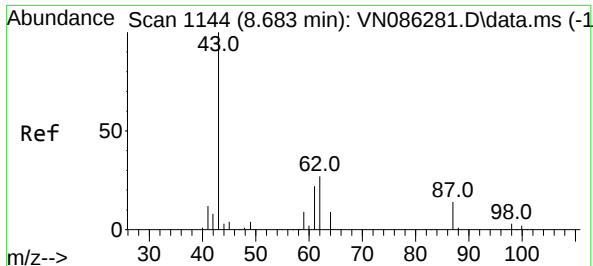
Lab File: VN086596.D

Acq: 13 May 2025 12:58

Tgt Ion:113 Resp: 97613

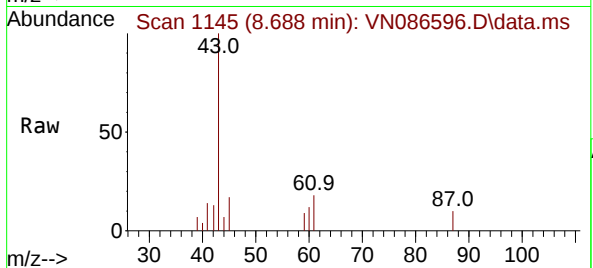
Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.4	125.0
192	17.6	13.7	20.5





#43
Isopropyl Acetate
Concen: 2.623 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58

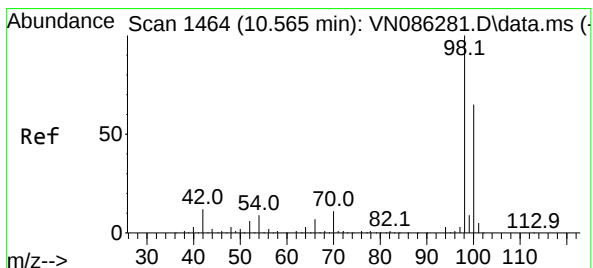
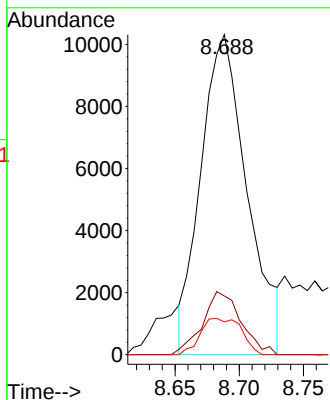
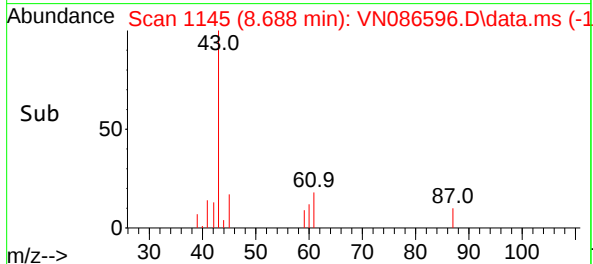
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PB167932ZHE#15



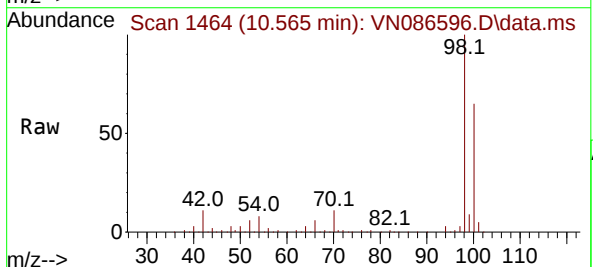
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
61 16.4 20.5 30.7
87 10.0 10.5 15.7

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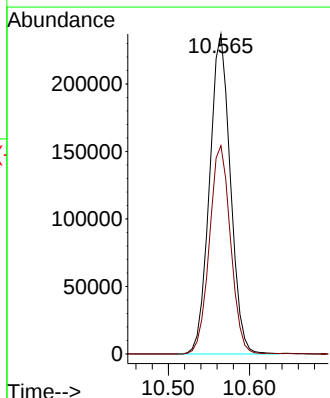
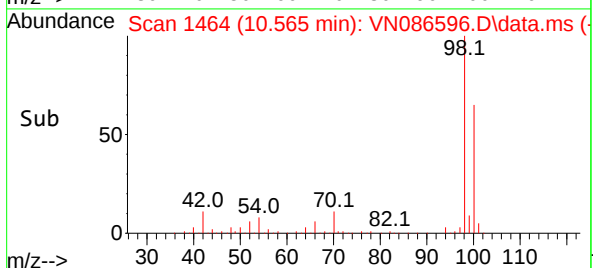
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

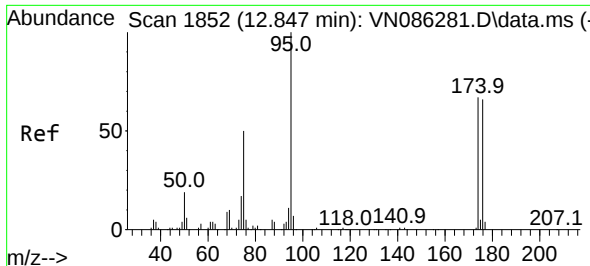


#50
Toluene-d8
Concen: 51.164 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58



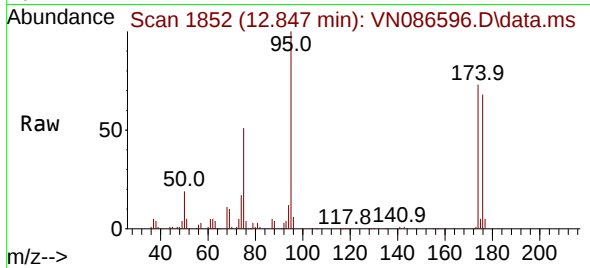
Tgt Ion: 98 Resp: 422891
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 49.481 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58

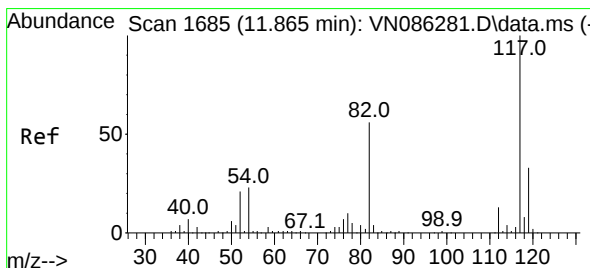
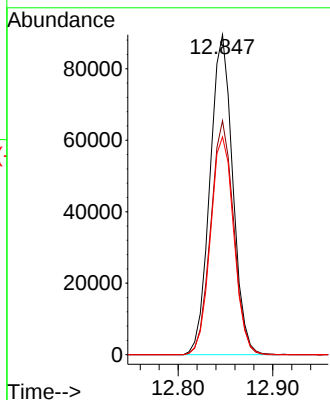
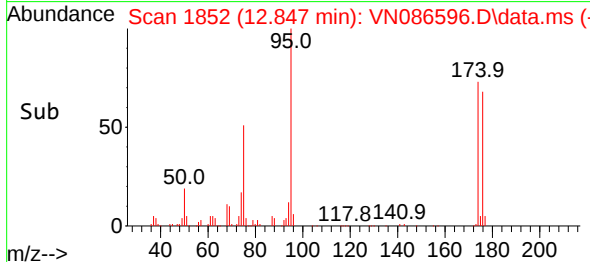
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#15



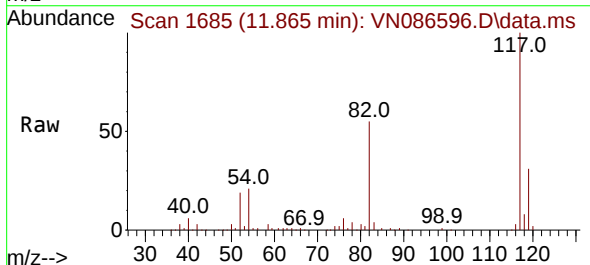
Tgt Ion: 95 Resp: 149174
Ion Ratio Lower Upper
95 100
174 73.7 0.0 133.4
176 69.9 0.0 129.2

Manual Integrations
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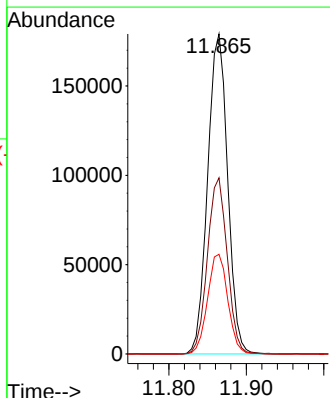
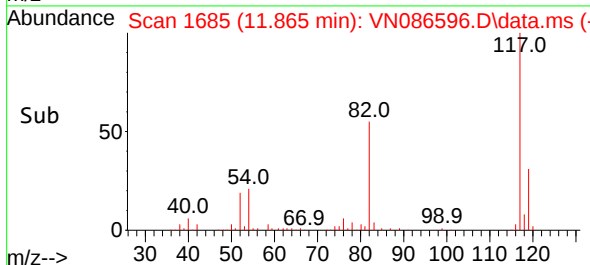
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

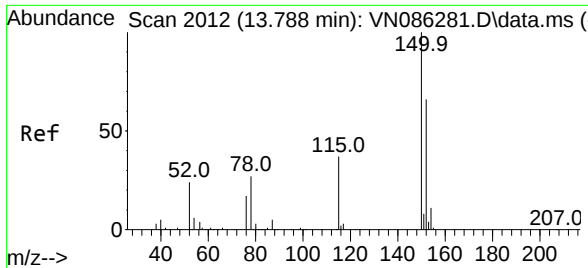


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086596.D
Acq: 13 May 2025 12:58



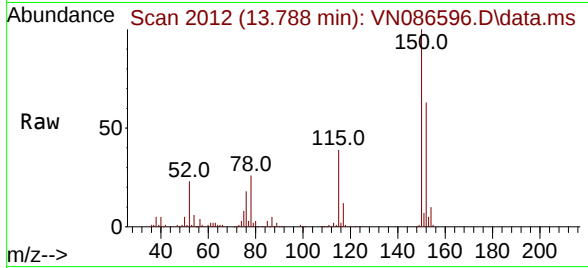
Tgt Ion:117 Resp: 321110
Ion Ratio Lower Upper
117 100
82 55.1 44.7 67.1
119 31.2 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086596.D
 Acq: 13 May 2025 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#15



Tgt Ion:152 Resp: 13565
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.9 95.9
 150 158.9 0.0 352.0

Manual Integrations
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