

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086604.D
 Acq On : 13 May 2025 16:12
 Operator : JC\MD
 Sample : PB167964ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#02

Manual Integrations
 APPROVED

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

Quant Time: May 14 01:46:40 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	167122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121706	50.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 100.440%		
35) Dibromofluoromethane	8.165	113	96306	64.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 128.000%#		
50) Toluene-d8	10.565	98	417086	51.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 103.720%		
62) 4-Bromofluorobenzene	12.847	95	149308	50.902	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 101.800%		
Target Compounds						Qvalue
16) Acetone	4.424	43	31095	32.138	ug/l	98
18) Methyl Acetate	5.036	43	3471	1.193	ug/l	92
20) Methylene Chloride	5.265	84	2748	1.227	ug/l #	87
43) Isopropyl Acetate	8.688	43	44463m	6.074	ug/l	

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

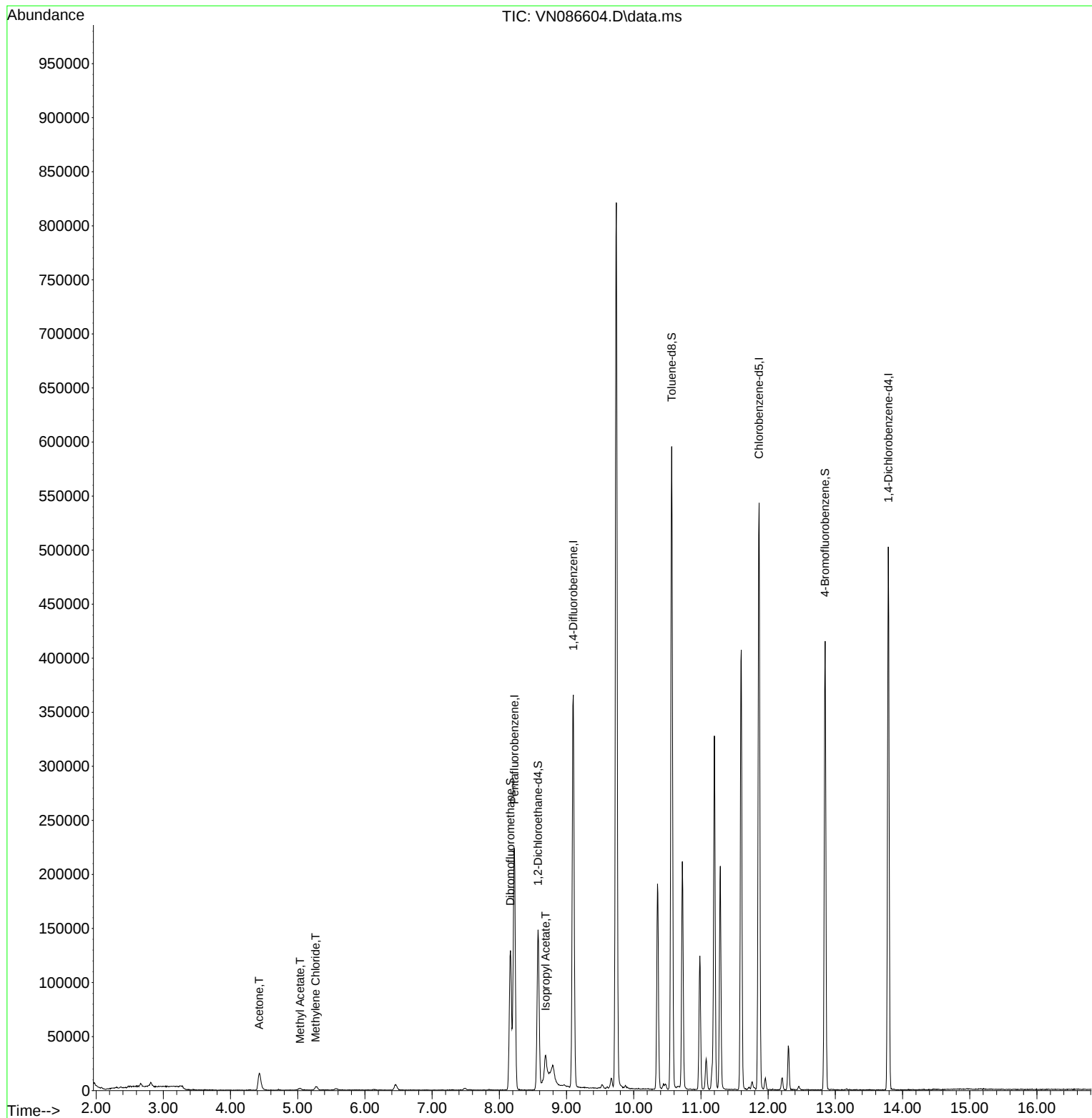
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
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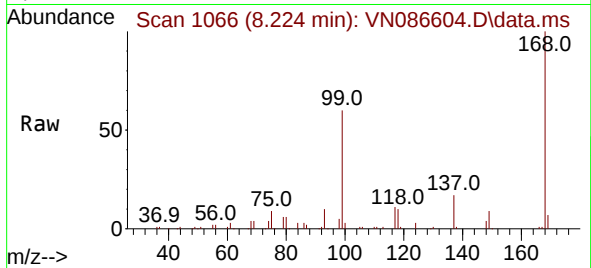
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

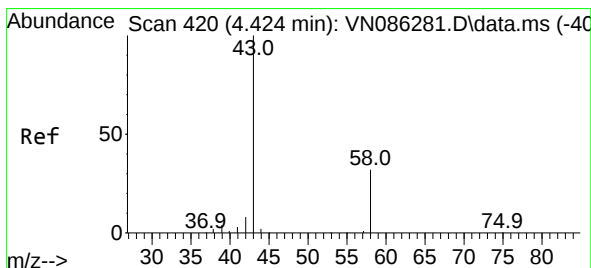
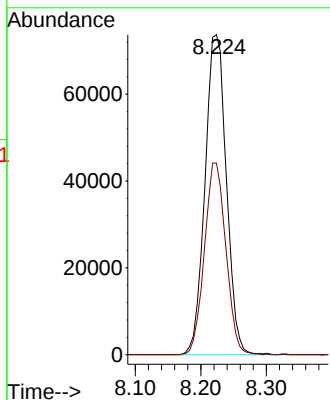
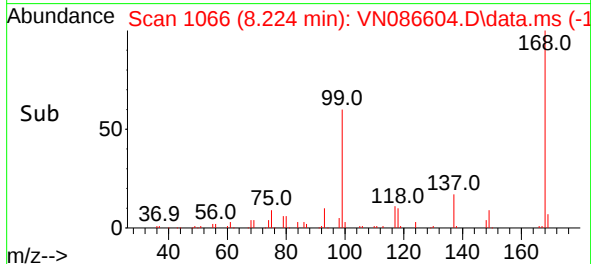
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#02



Tgt Ion:168 Resp: 16712
Ion Ratio Lower Upper
168 100
99 59.9 52.5 78.7

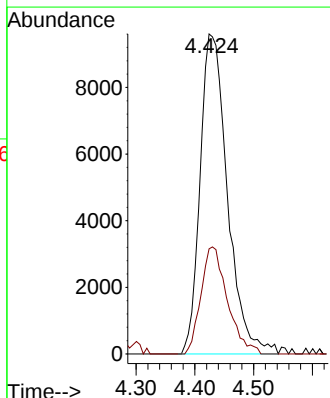
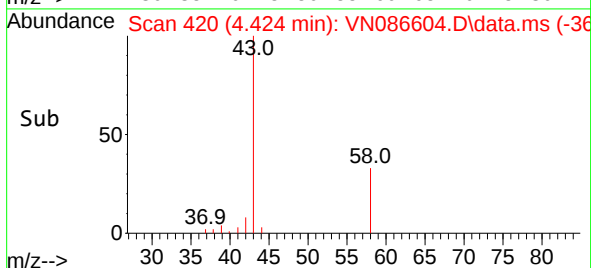
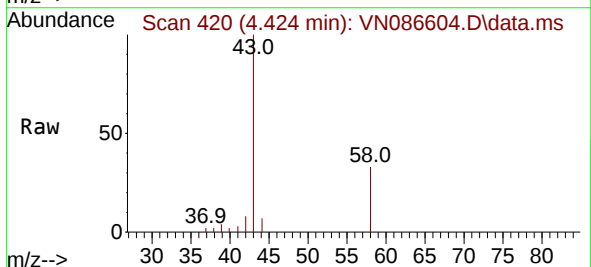
Manual Integrations
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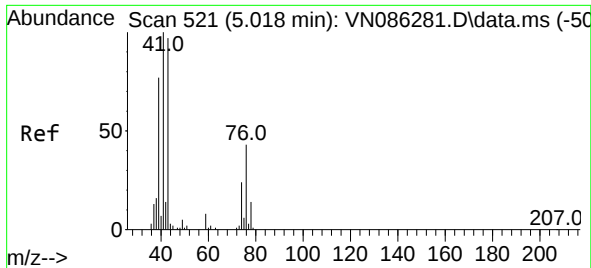
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16
Acetone
Concen: 32.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

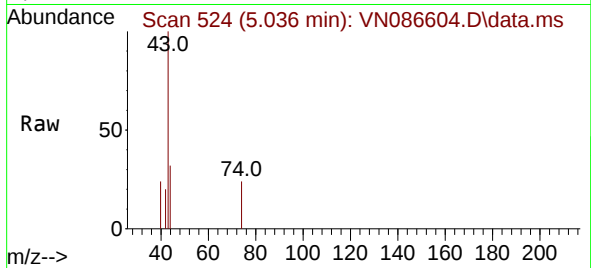
Tgt Ion: 43 Resp: 31095
Ion Ratio Lower Upper
43 100
58 32.9 25.3 37.9





#18
Methyl Acetate
Concen: 1.193 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

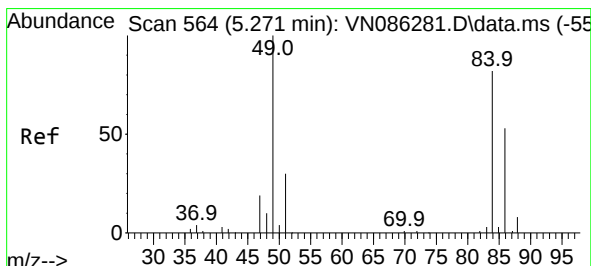
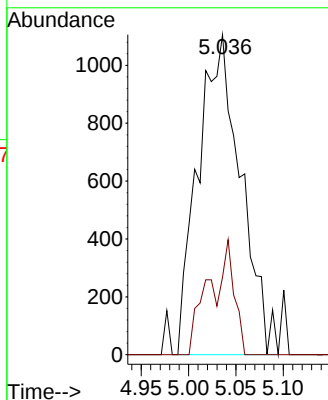
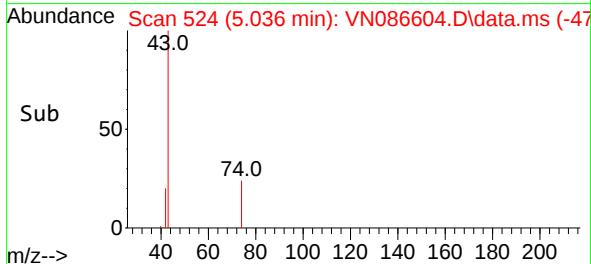
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#02



Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
74 20.8 19.8 29.6

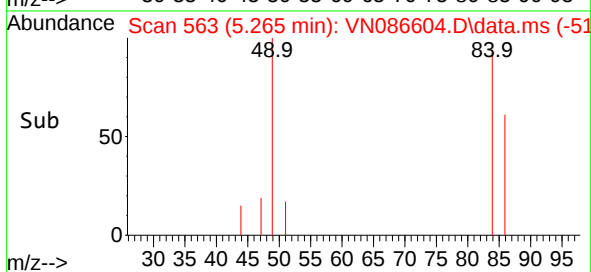
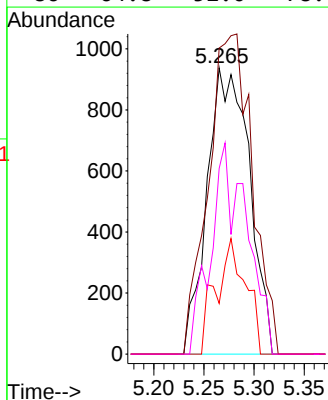
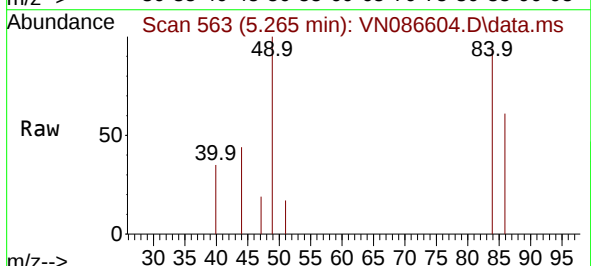
Manual Integrations
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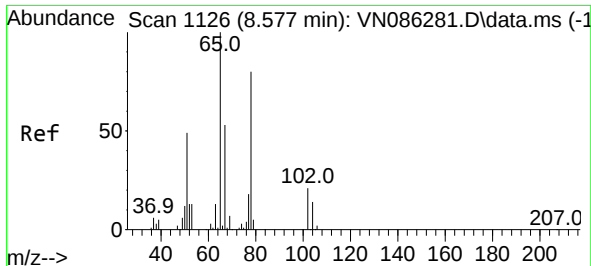
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#20
Methylene Chloride
Concen: 1.227 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

Tgt Ion: 84 Resp: 2748
Ion Ratio Lower Upper
84 100
49 106.9 98.2 147.2
51 17.7 29.8 44.6#
86 64.8 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 50.221 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086604.D

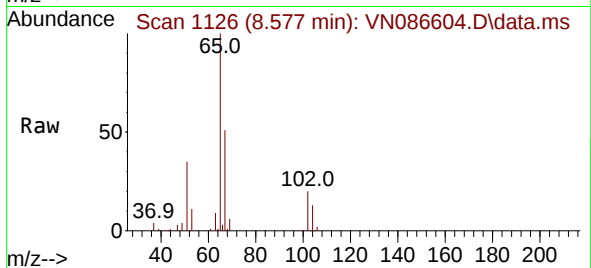
Acq: 13 May 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#02



Tgt Ion: 65 Resp: 121700

Ion Ratio Lower Upper

65 100

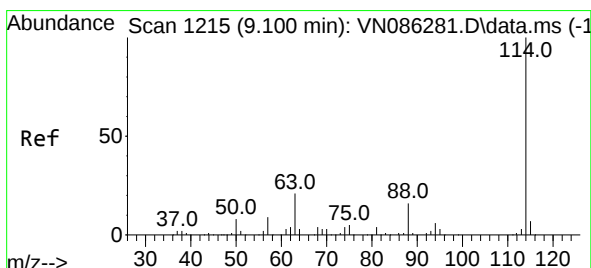
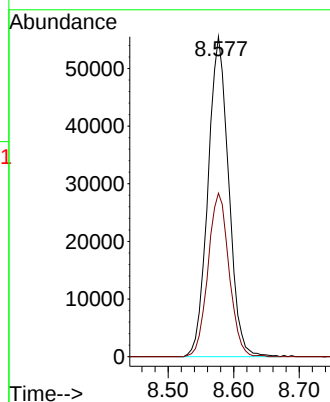
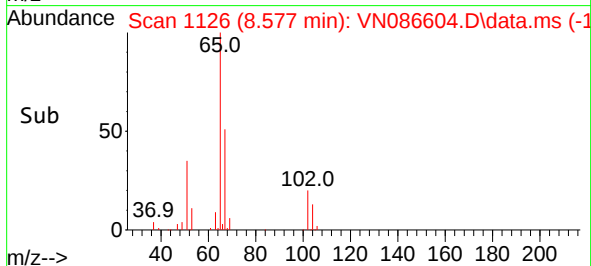
67 51.9 0.0 106.0

Manual Integrations

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Supervised By :Mahesh Dadoda 05/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086604.D

Acq: 13 May 2025 16:12

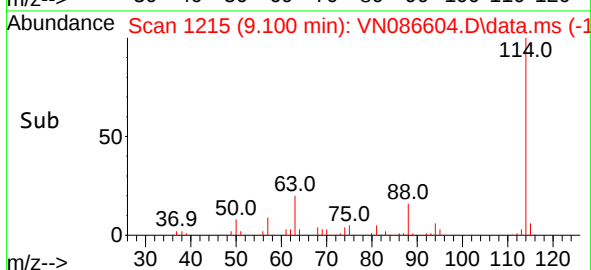
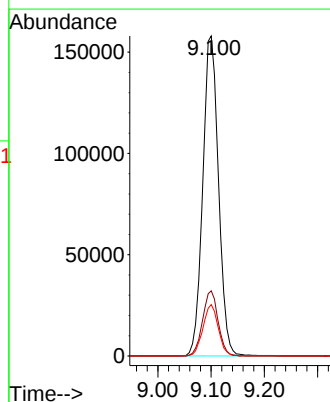
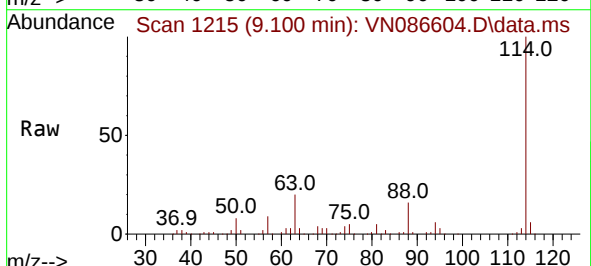
Tgt Ion:114 Resp: 324215

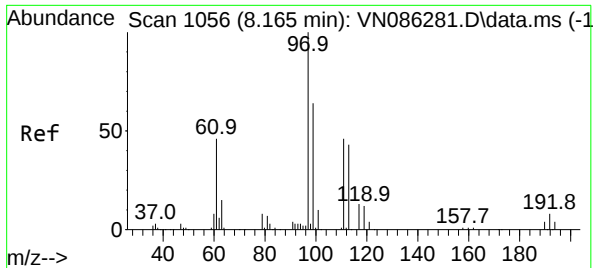
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

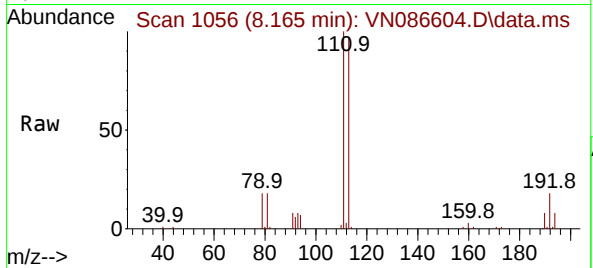
88 16.1 0.0 31.8





#35
Dibromofluoromethane
Concen: 64.002 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

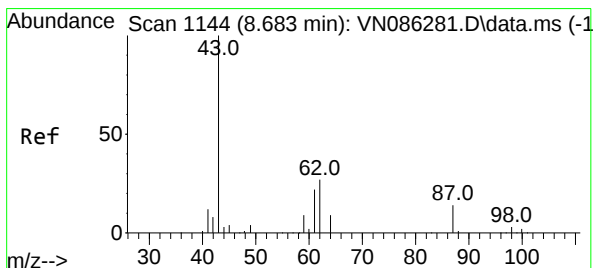
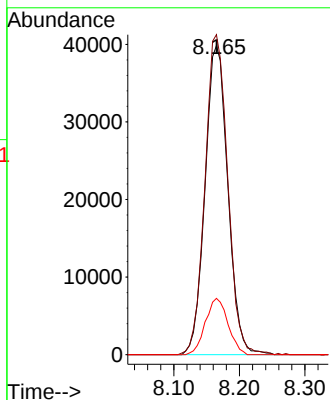
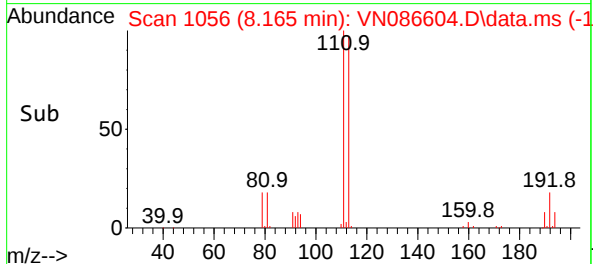
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#02



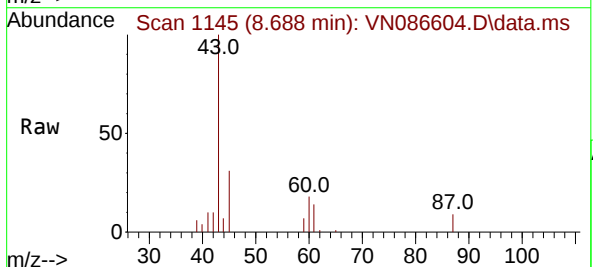
Tgt Ion: 113 Resp: 96300
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 18.0 13.7 20.5

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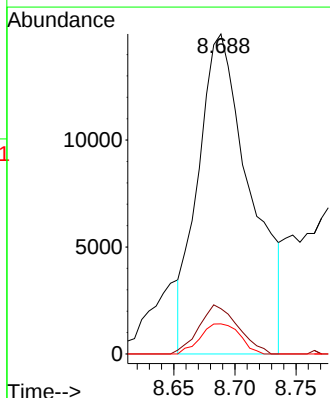
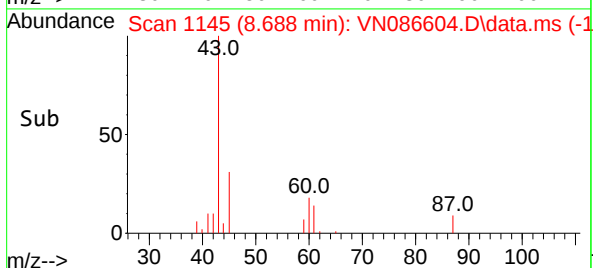
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

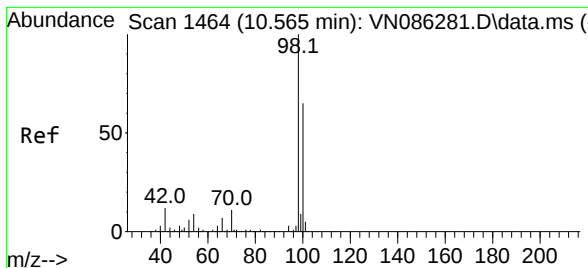


#43
Isopropyl Acetate
Concen: 6.074 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12



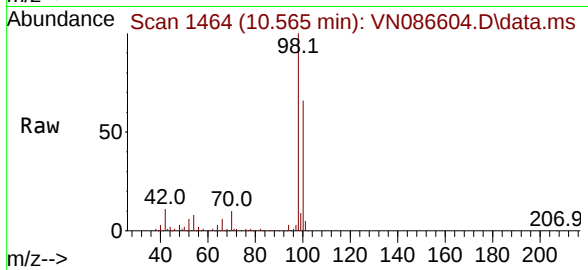
Tgt Ion: 43 Resp: 44463
Ion Ratio Lower Upper
43 100
61 11.5 20.5 30.7#
87 7.1 10.5 15.7#





#50
Toluene-d8
Concen: 51.864 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

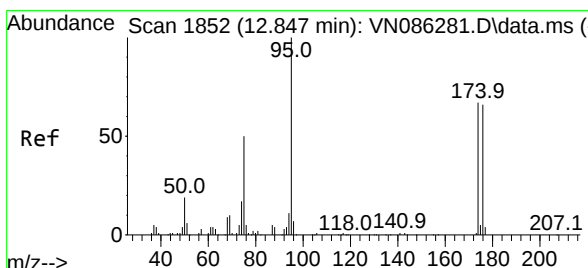
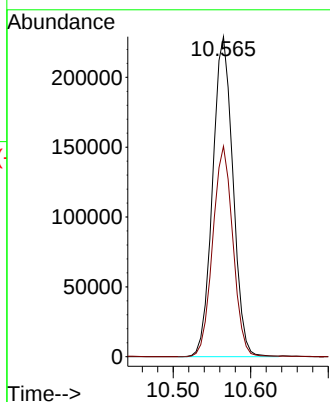
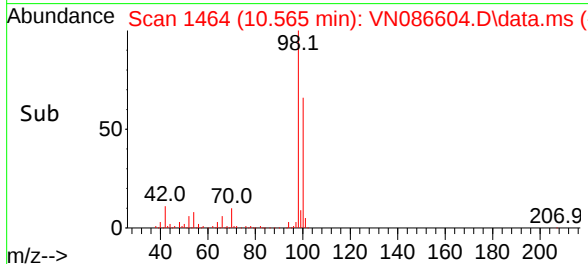
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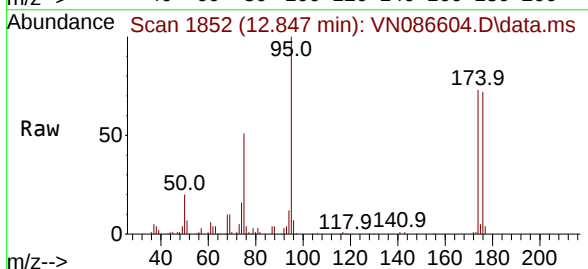
Tgt Ion: 98 Resp: 417080
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

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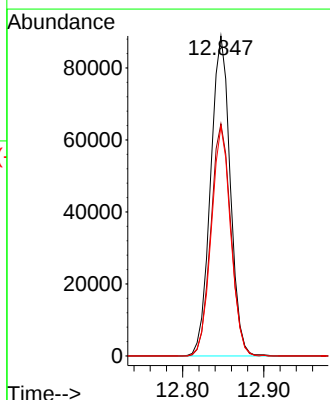
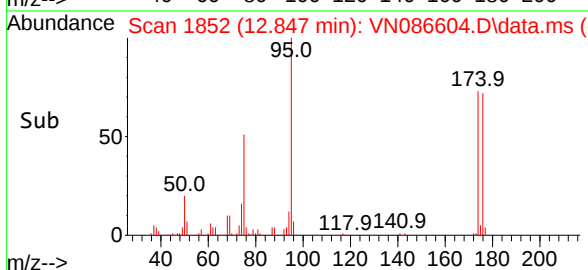
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

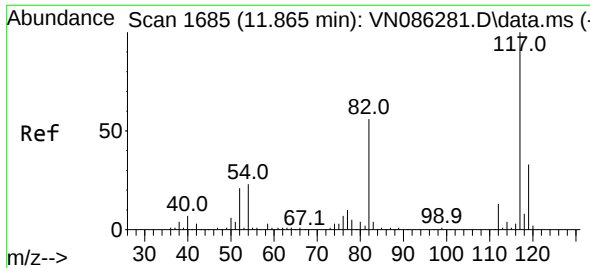


#62
4-Bromofluorobenzene
Concen: 50.902 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12



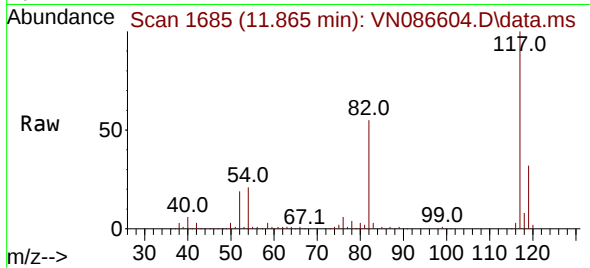
Tgt Ion: 95 Resp: 149308
Ion Ratio Lower Upper
95 100
174 73.8 0.0 133.4
176 70.9 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12

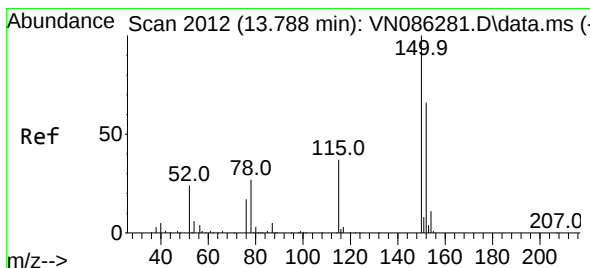
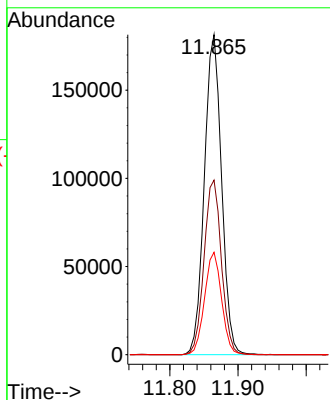
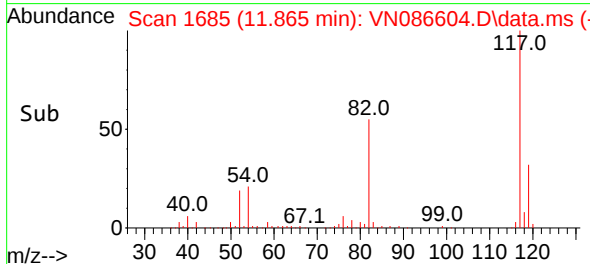
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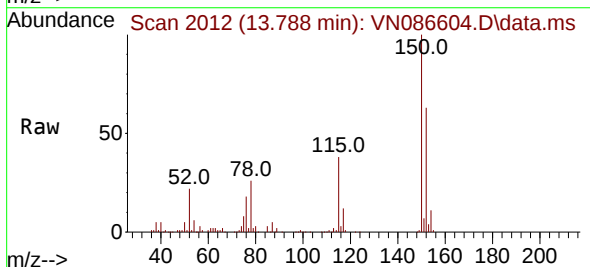
Tgt Ion:117 Resp: 319280
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 32.0 26.4 39.6

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



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086604.D
Acq: 13 May 2025 16:12



Tgt Ion:152 Resp: 135672
Ion Ratio Lower Upper
152 100
115 60.1 31.9 95.9
150 157.8 0.0 352.0

