

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086691.D
 Acq On : 19 May 2025 15:52
 Operator : JC\MD
 Sample : PB168034ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#08

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 20 03:20:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	177510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	345394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129373	52.744	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 105.480%		
35) Dibromofluoromethane	8.165	113	106839	51.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 103.060%		
50) Toluene-d8	10.565	98	451617	52.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 105.120%		
62) 4-Bromofluorobenzene	12.847	95	164527	54.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 108.460%		
Target Compounds						Qvalue
16) Acetone	4.430	43	25332	27.609	ug/l	91
18) Methyl Acetate	5.030	43	4104	1.598	ug/l #	64
20) Methylene Chloride	5.271	84	3444	1.422	ug/l #	88
43) Isopropyl Acetate	8.688	43	37118m	5.993	ug/l	

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

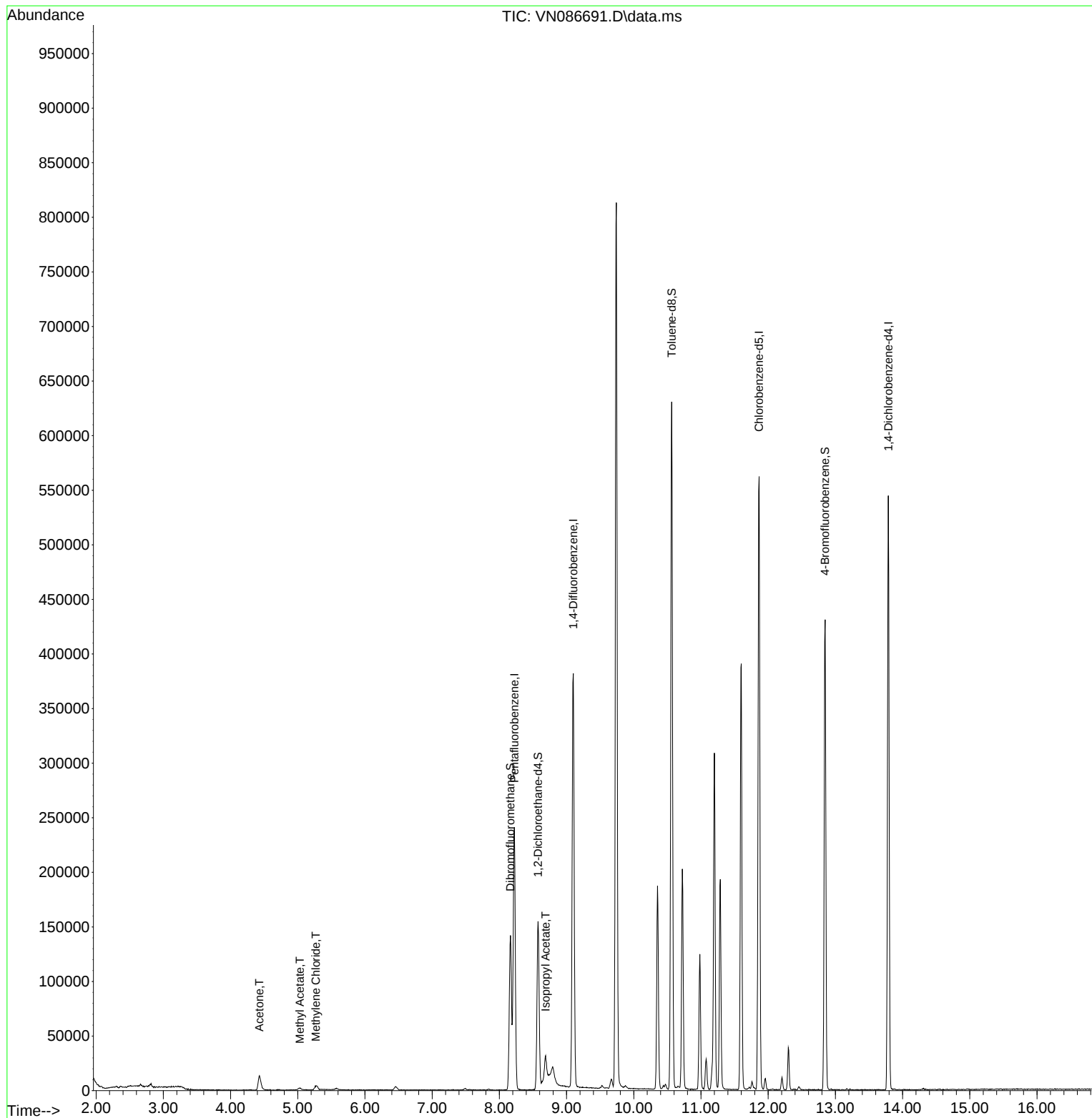
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
Data File : VN086691.D
Acq On : 19 May 2025 15:52
Operator : JC\MD
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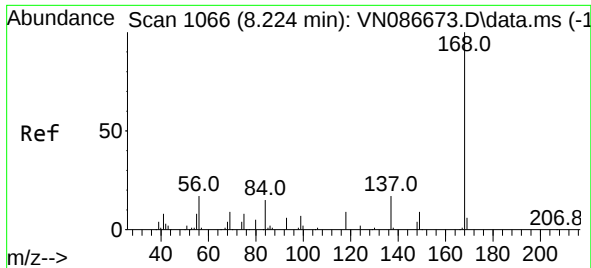
Instrument :
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ClientSampleId :
PB168034ZHE#08

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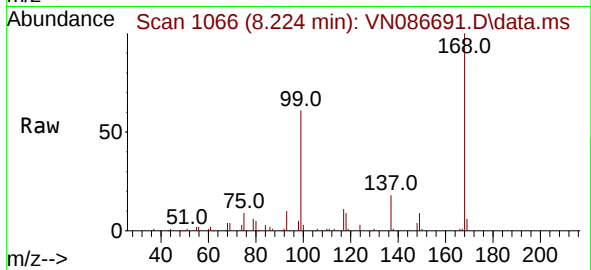
Quant Time: May 20 03:20:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

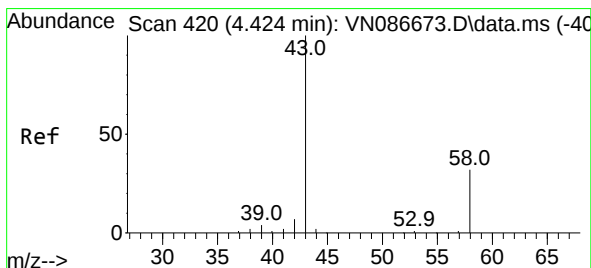
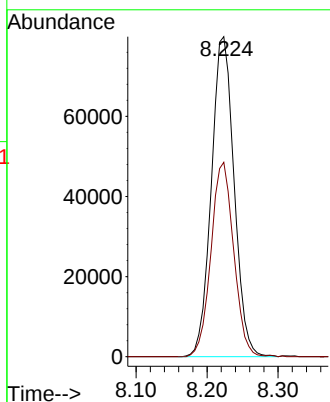
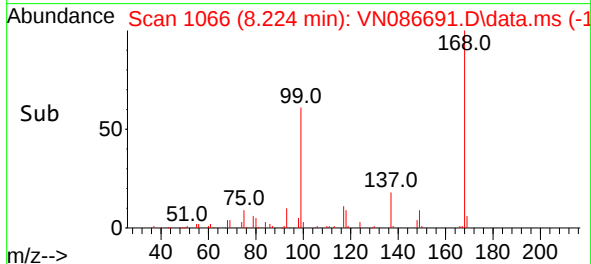
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08



Tgt Ion:168 Resp: 177510
Ion Ratio Lower Upper
168 100
99 60.7 47.0 70.4

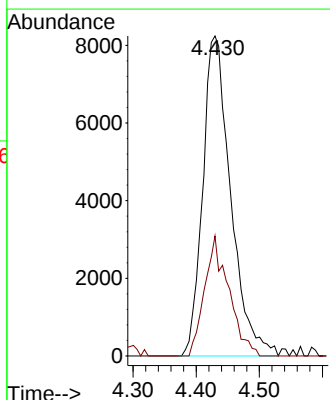
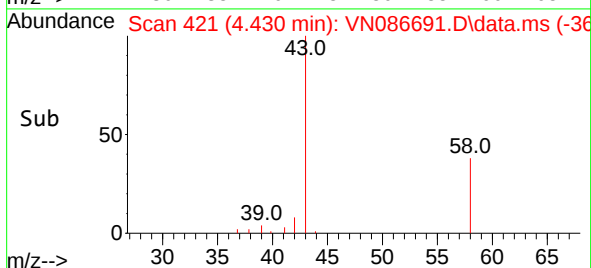
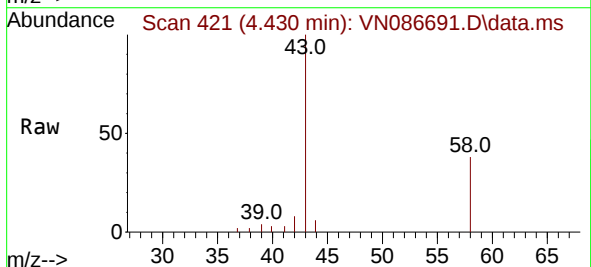
Manual Integrations
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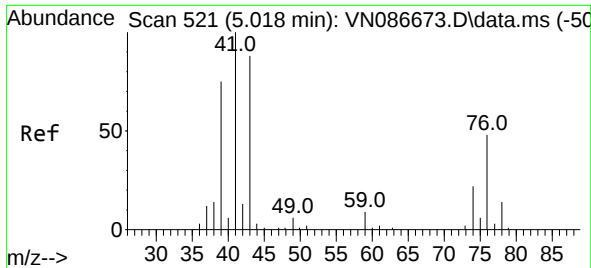
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#16
Acetone
Concen: 27.609 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

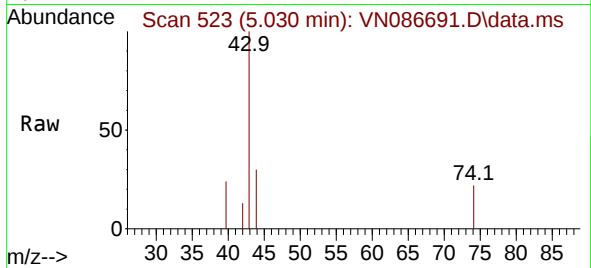
Tgt Ion: 43 Resp: 25332
Ion Ratio Lower Upper
43 100
58 37.5 25.8 38.6





#18
Methyl Acetate
Concen: 1.598 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

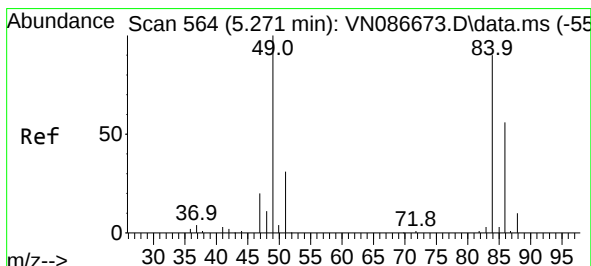
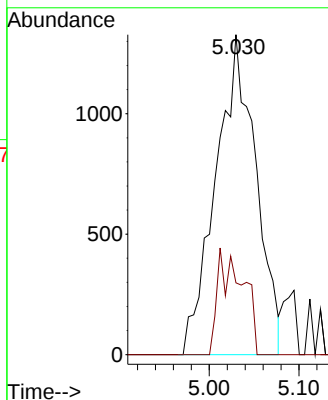
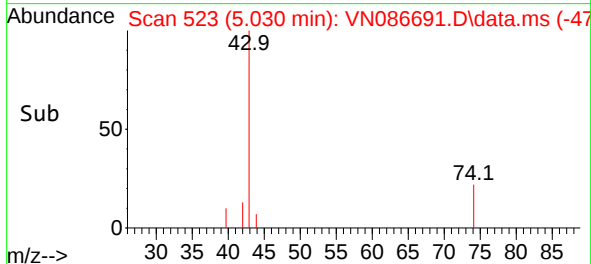
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#08



Tgt Ion: 43 Resp: 4104
Ion Ratio Lower Upper
43 100
74 7.3 20.5 30.7

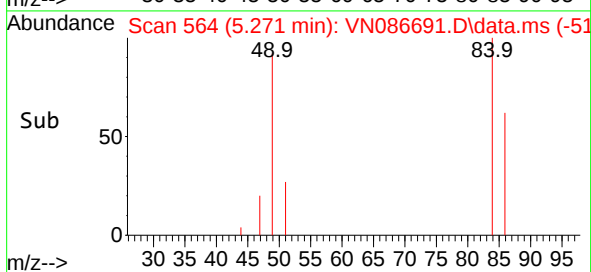
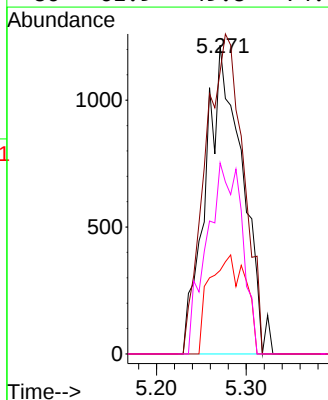
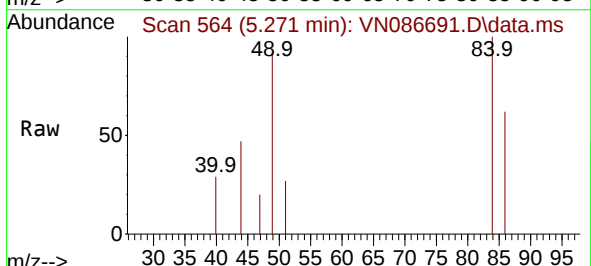
Manual Integrations
APPROVED

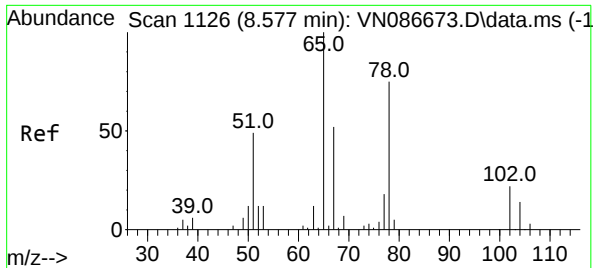
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#20
Methylene Chloride
Concen: 1.422 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

Tgt Ion: 84 Resp: 3444
Ion Ratio Lower Upper
84 100
49 91.5 88.8 133.2
51 27.1 27.8 41.6#
86 61.9 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 52.744 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#08

Tgt Ion: 65 Resp: 12937

Ion Ratio Lower Upper

65 100

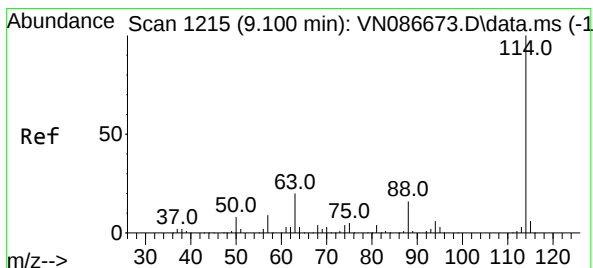
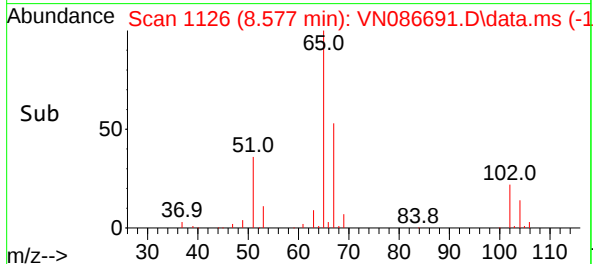
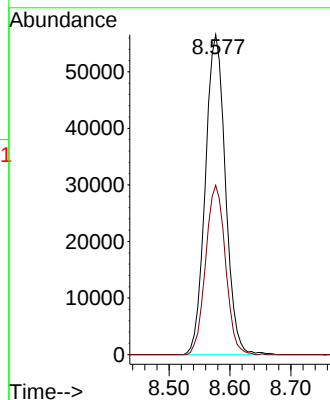
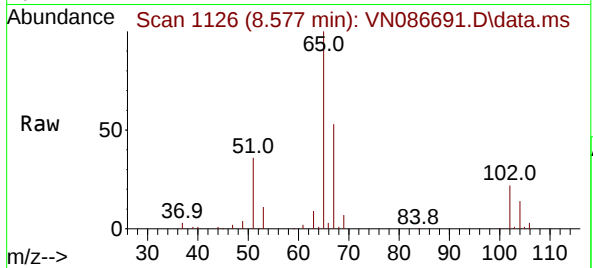
67 52.2 0.0 106.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/21/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086691.D

Acq: 19 May 2025 15:52

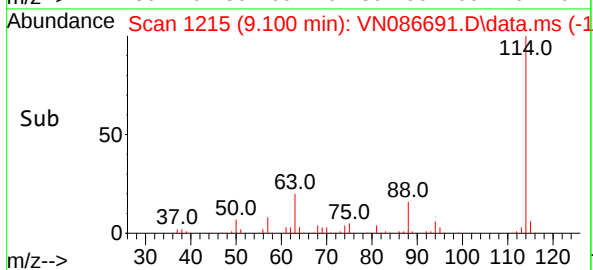
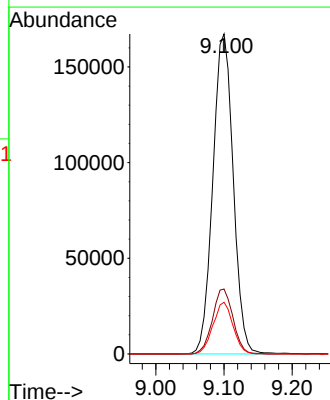
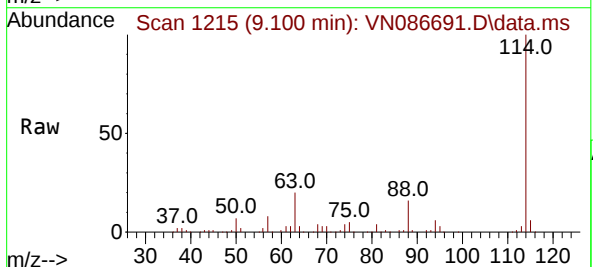
Tgt Ion:114 Resp: 348164

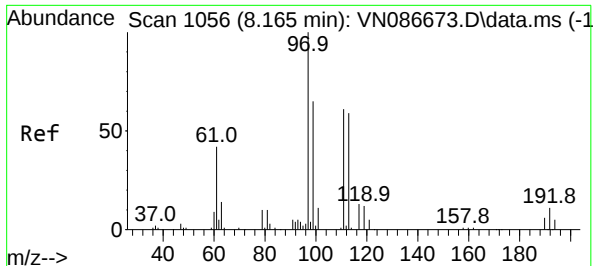
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

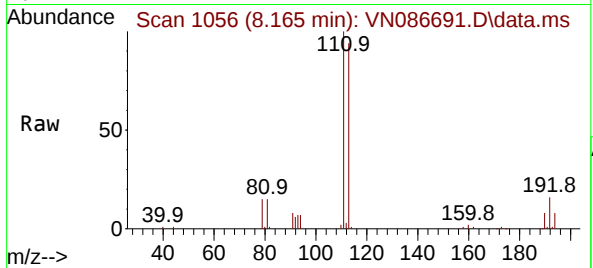
88 16.1 0.0 31.2





#35
Dibromofluoromethane
Concen: 51.527 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

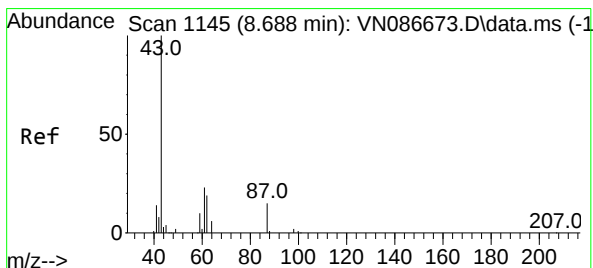
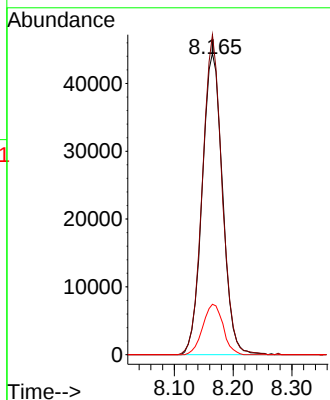
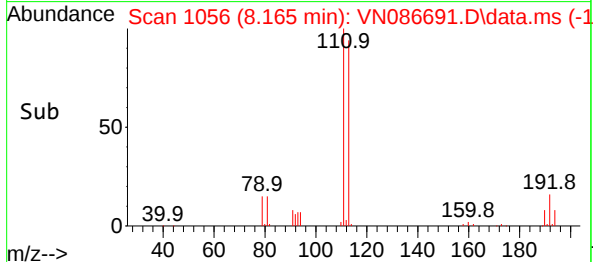
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ClientSampleId :
PB168034ZHE#08



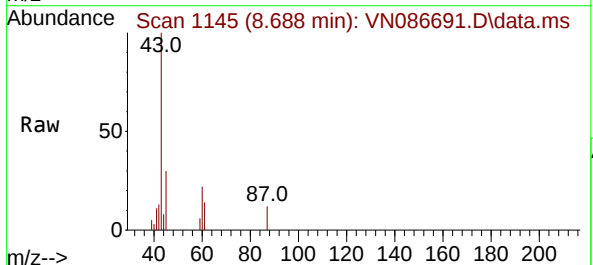
Tgt Ion: 113 Resp: 106839
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 16.7 13.8 20.8

Manual Integrations
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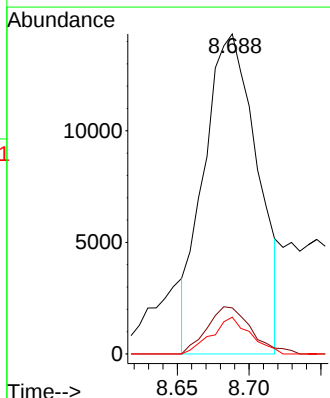
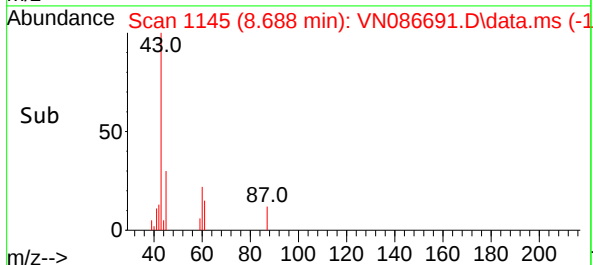
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

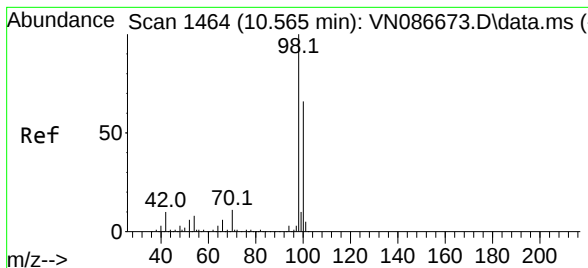


#43
Isopropyl Acetate
Concen: 5.993 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52



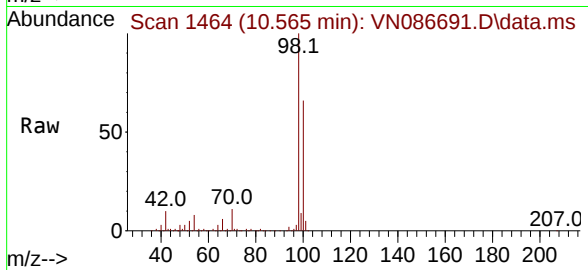
Tgt Ion: 43 Resp: 37118
Ion Ratio Lower Upper
43 100
61 12.2 21.4 32.2#
87 8.3 11.1 16.7#





#50
Toluene-d8
Concen: 52.559 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

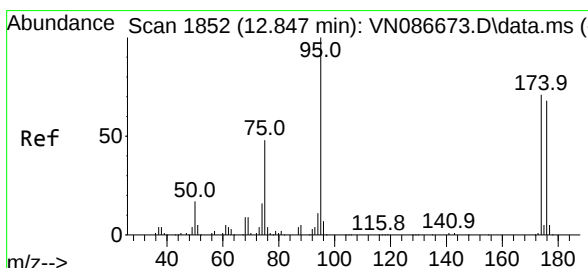
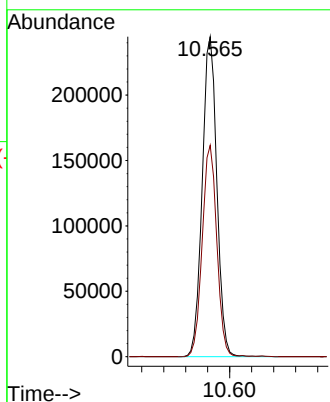
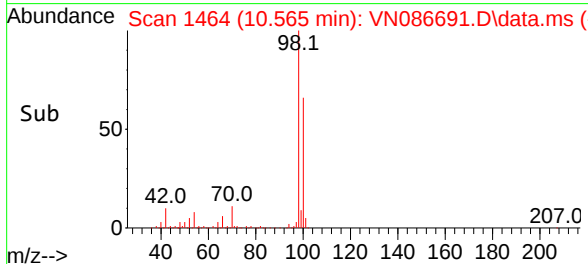
Instrument :
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Tgt Ion: 98 Resp: 451617
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3

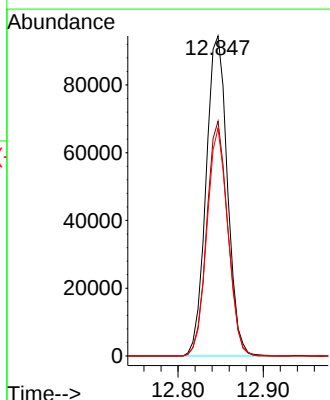
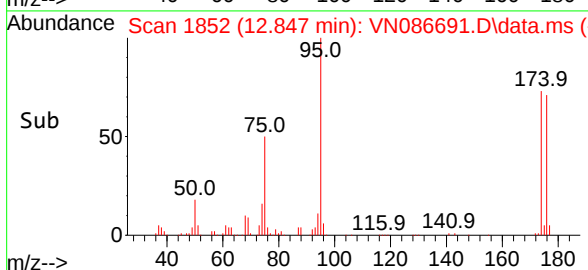
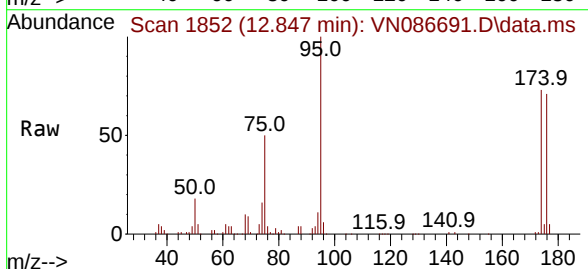
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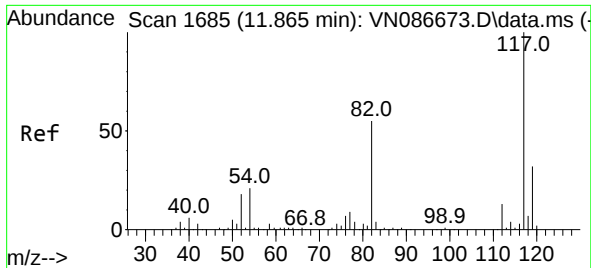
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#62
4-Bromofluorobenzene
Concen: 54.228 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

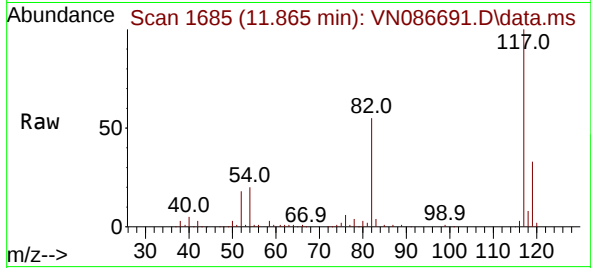
Tgt Ion: 95 Resp: 164527
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.4
176 69.8 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52

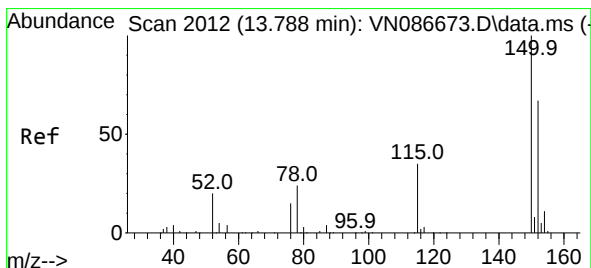
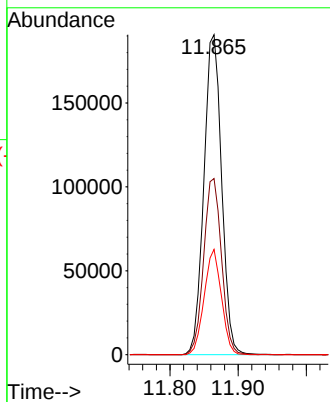
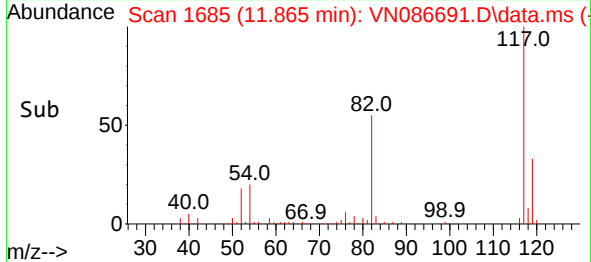
Instrument :
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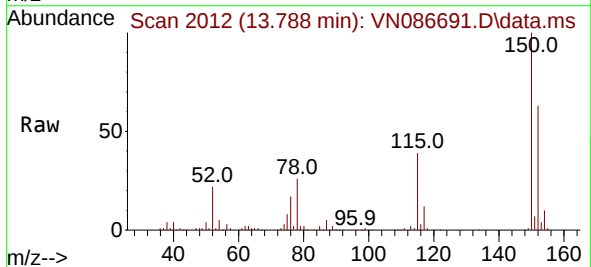
Tgt Ion:117 Resp: 345394
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.9 25.4 38.2

Manual Integrations
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Supervised By :Mahesh Dadoda 05/21/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086691.D
Acq: 19 May 2025 15:52



Tgt Ion:152 Resp: 150707
Ion Ratio Lower Upper
152 100
115 61.0 30.0 90.1
150 157.9 0.0 347.8

