

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086597.D
 Acq On : 13 May 2025 13:22
 Operator : JC\MD
 Sample : PB167932ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#16

Manual Integrations
 APPROVED

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

Quant Time: May 14 01:43:07 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	171547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122329	49.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.360%		
35) Dibromofluoromethane	8.165	113	94947	63.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	127.020%#		
50) Toluene-d8	10.565	98	417993	52.311	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.620%		
62) 4-Bromofluorobenzene	12.847	95	150408	51.607	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.220%		
Target Compounds						
16) Acetone	4.430	43	23031	21.564	ug/l	99
18) Methyl Acetate	5.042	43	3239	1.085	ug/l #	51
20) Methylene Chloride	5.283	84	4810	2.092	ug/l #	73
43) Isopropyl Acetate	8.688	43	25744m	2.751	ug/l	

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

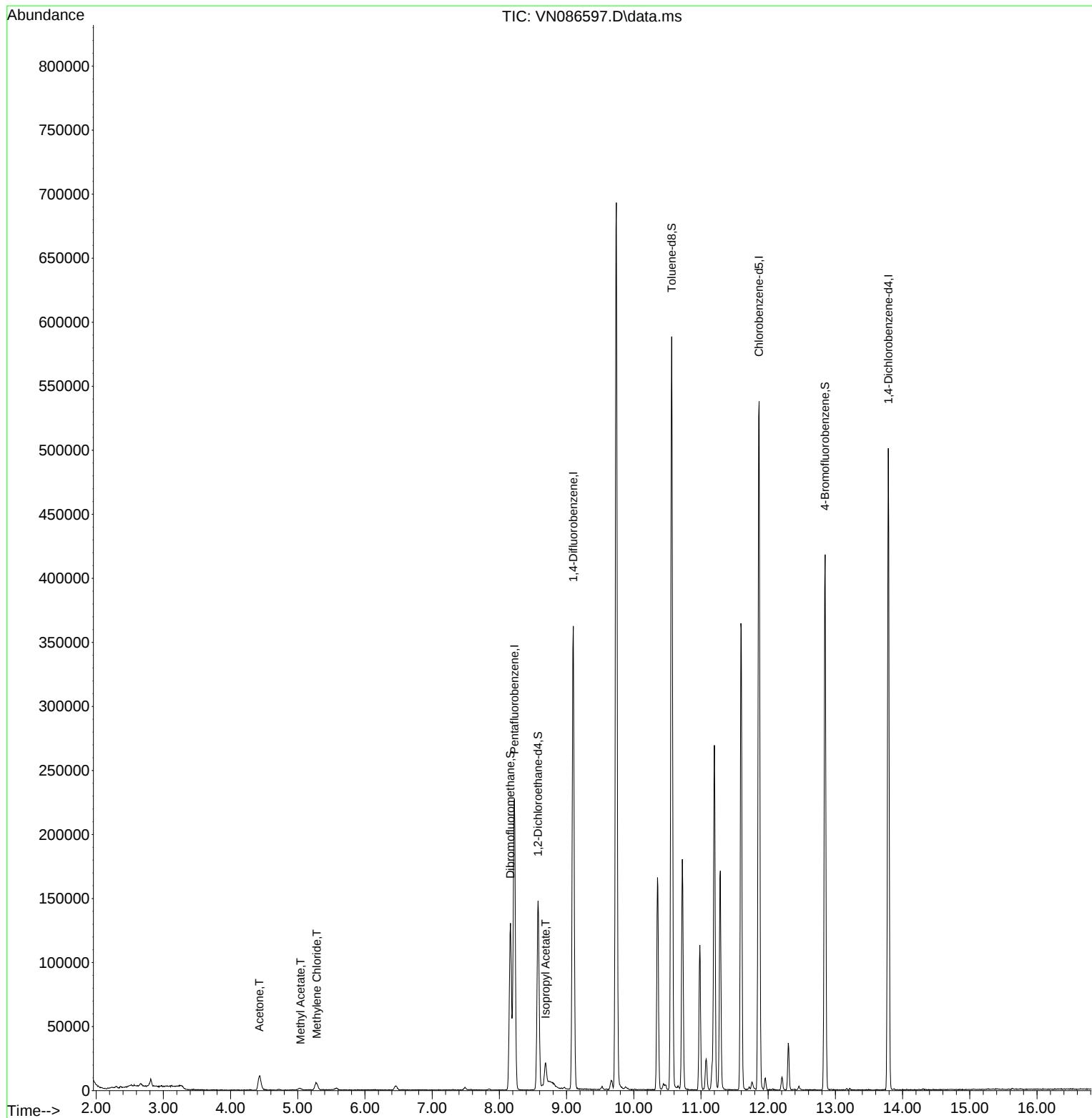
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
Data File : VN086597.D
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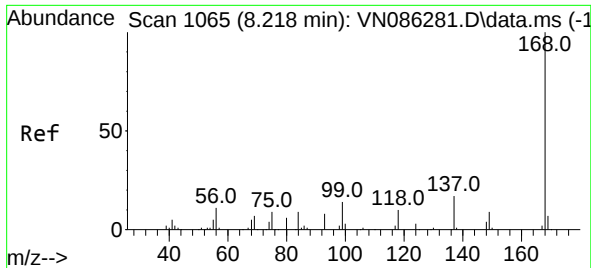
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#16

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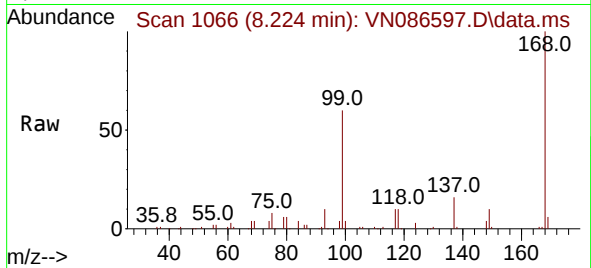
Quant Time: May 14 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22

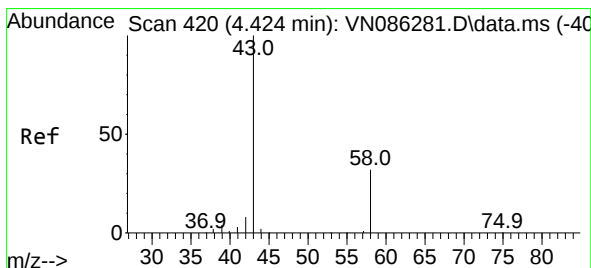
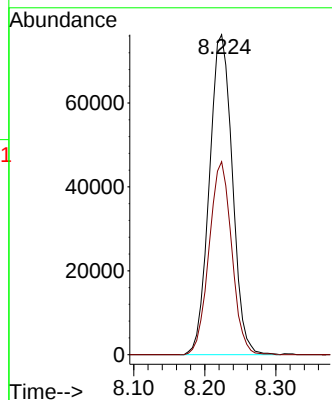
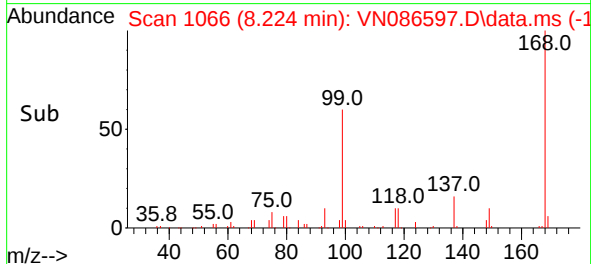
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#16



Tgt Ion:168 Resp: 17154
Ion Ratio Lower Upper
168 100
99 60.3 52.5 78.7

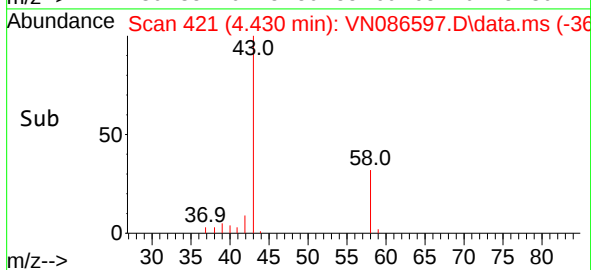
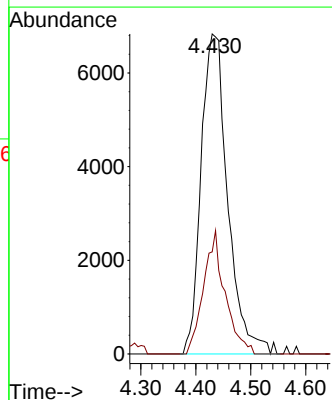
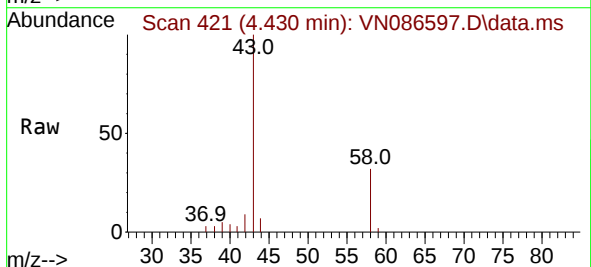
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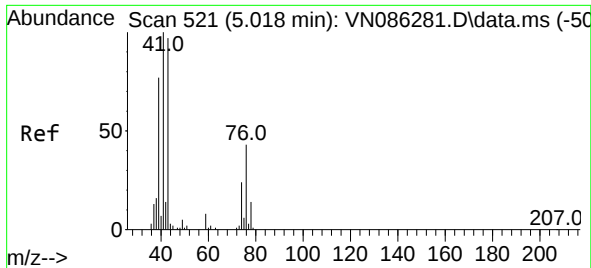
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16
Acetone
Concen: 21.564 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22

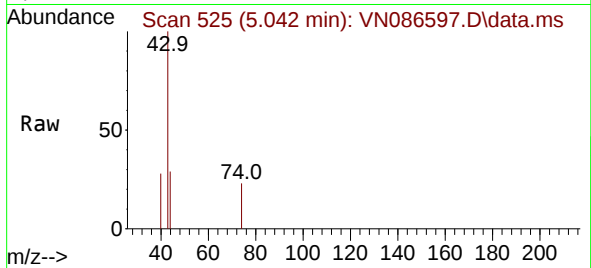
Tgt Ion: 43 Resp: 23031
Ion Ratio Lower Upper
43 100
58 31.9 25.3 37.9





#18
Methyl Acetate
Concen: 1.085 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22

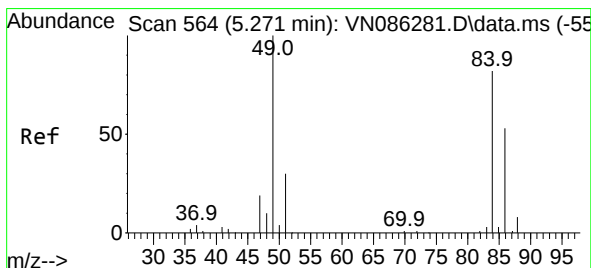
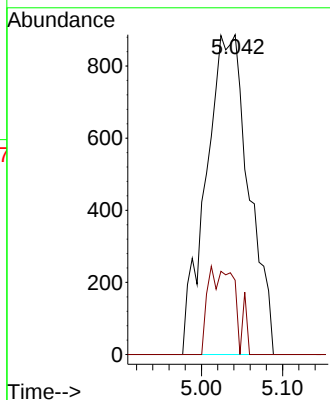
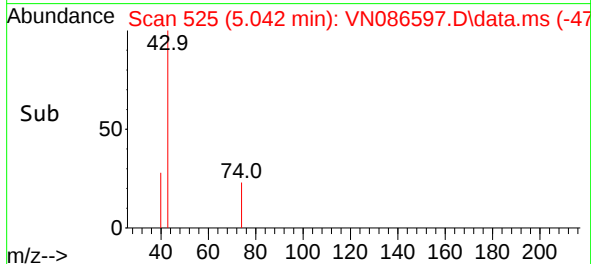
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#16



Tgt Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6

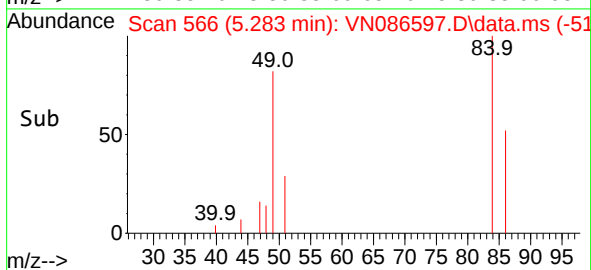
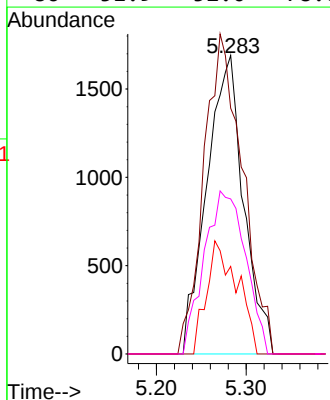
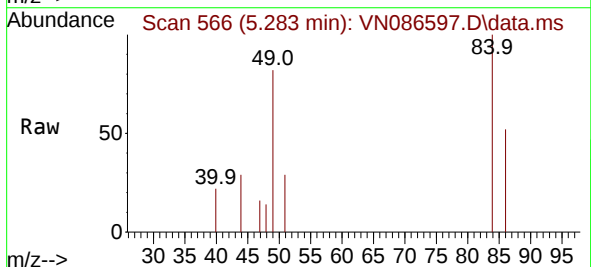
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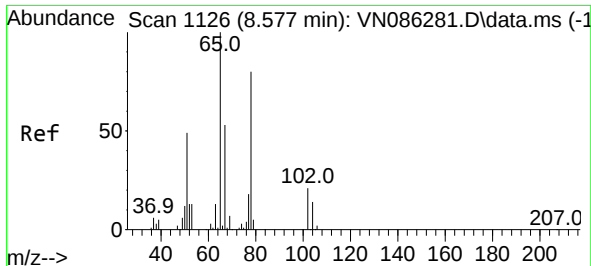
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#20
Methylene Chloride
Concen: 2.092 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22

Tgt Ion: 84 Resp: 4810
Ion Ratio Lower Upper
84 100
49 82.3 98.2 147.2#
51 29.3 29.8 44.6#
86 51.9 52.0 78.0#





#33

1,2-Dichloroethane-d4

Concen: 49.176 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086597.D

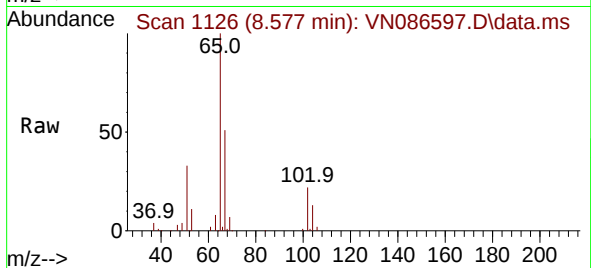
Acq: 13 May 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#16



Tgt Ion: 65 Resp: 122329

Ion Ratio Lower Upper

65 100

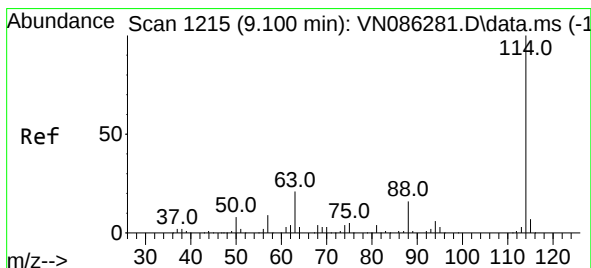
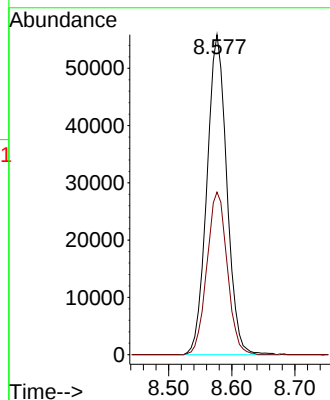
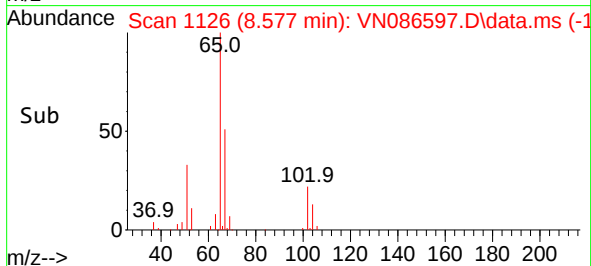
67 51.8 0.0 106.0

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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: VN086597.D

Acq: 13 May 2025 13:22

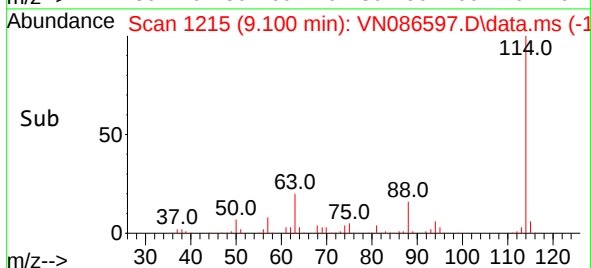
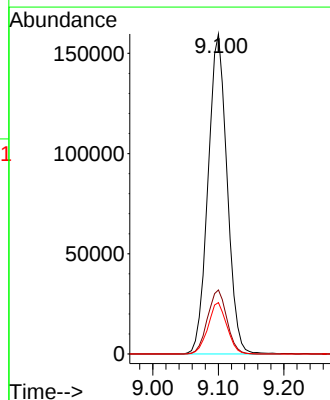
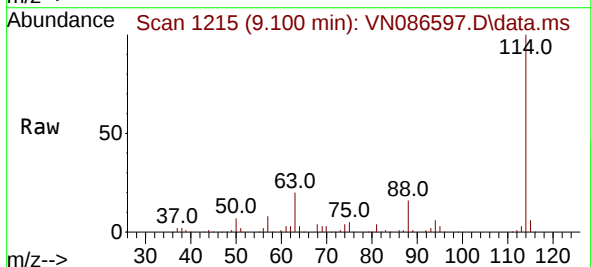
Tgt Ion:114 Resp: 322142

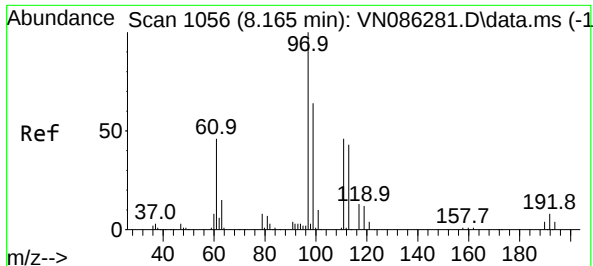
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.505 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN086597.D

Acq: 13 May 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#16

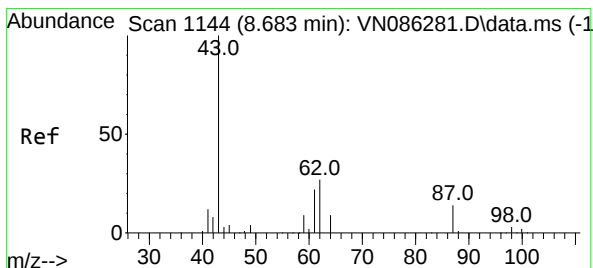
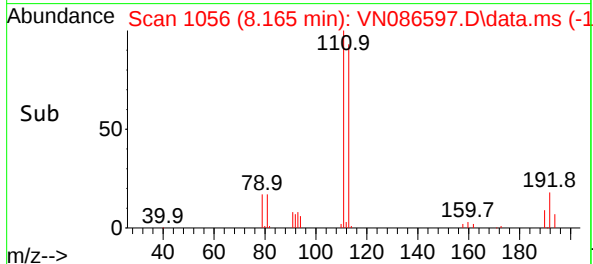
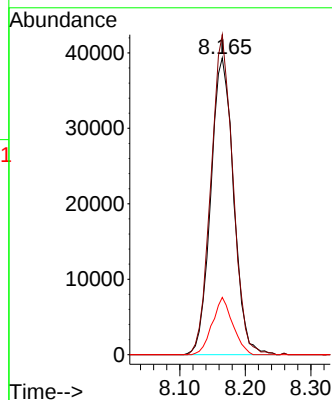
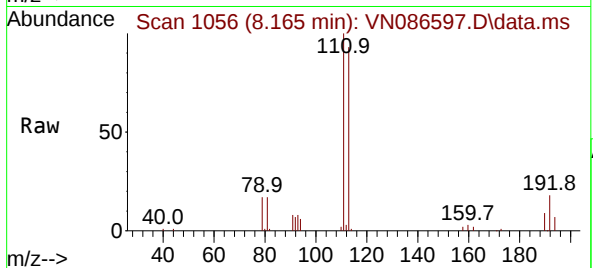
Tgt Ion:	113	Resp:	9494
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.0
192	17.3	13.7	20.5

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Supervised By :Mahesh Dadoda 05/14/2025



#43

Isopropyl Acetate

Concen: 2.751 ug/l m

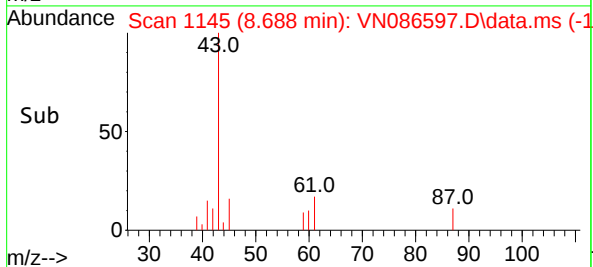
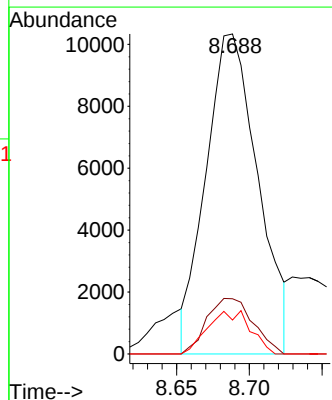
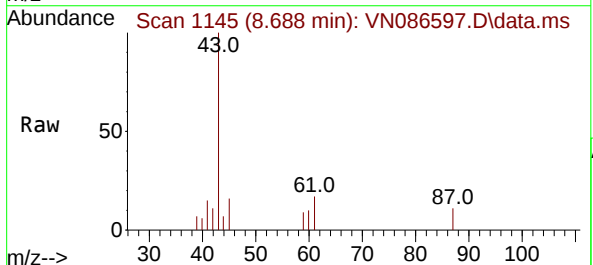
RT: 8.688 min Scan# 1145

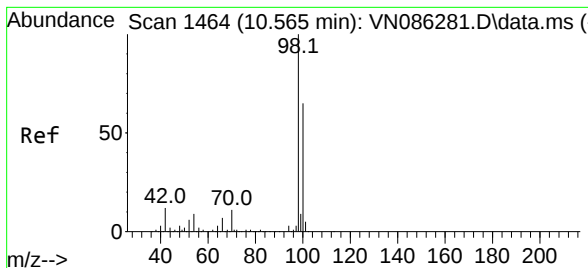
Delta R.T. 0.005 min

Lab File: VN086597.D

Acq: 13 May 2025 13:22

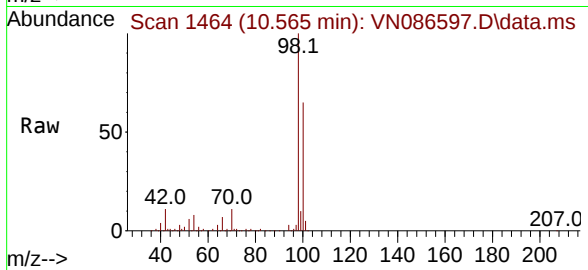
Tgt Ion:	43	Resp:	25744
Ion	Ratio	Lower	Upper
43	100		
61	15.5	20.5	30.7#
87	11.0	10.5	15.7





#50
Toluene-d8
Concen: 52.311 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22

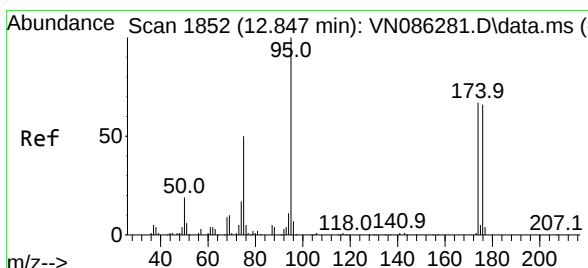
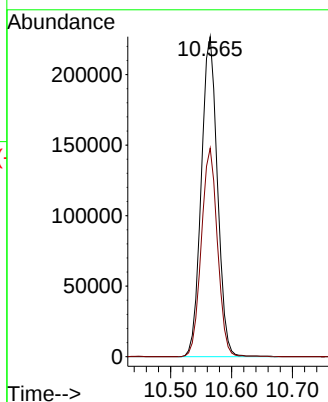
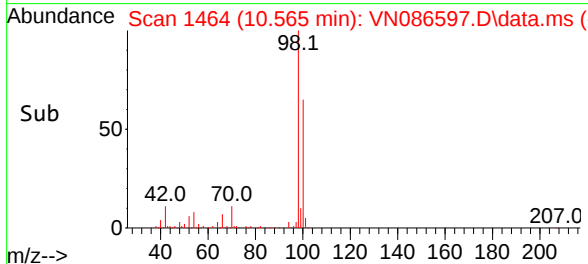
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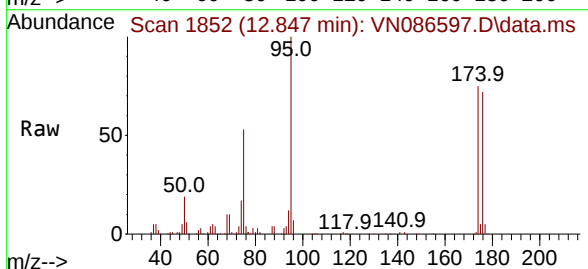
Tgt Ion: 98 Resp: 417993
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

Manual Integrations
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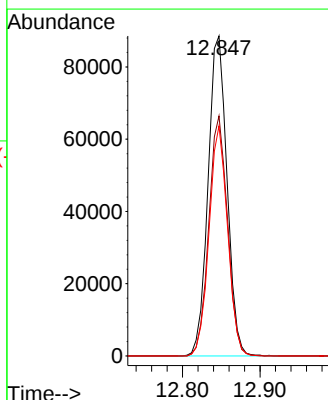
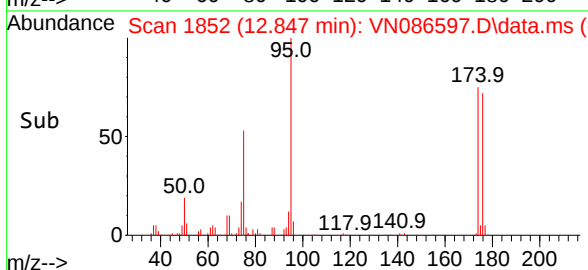
Reviewed By :John Carlone 05/14/2025
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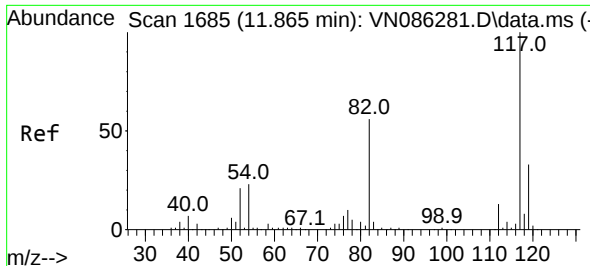


#62
4-Bromofluorobenzene
Concen: 51.607 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22



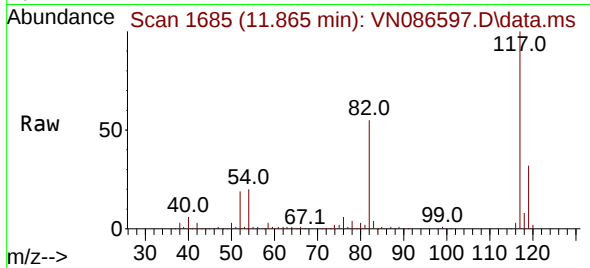
Tgt Ion: 95 Resp: 150408
Ion Ratio Lower Upper
95 100
174 74.2 0.0 133.4
176 70.1 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086597.D
Acq: 13 May 2025 13:22

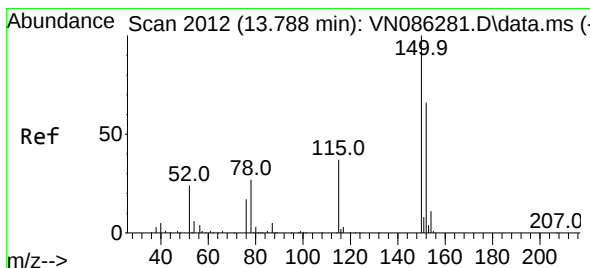
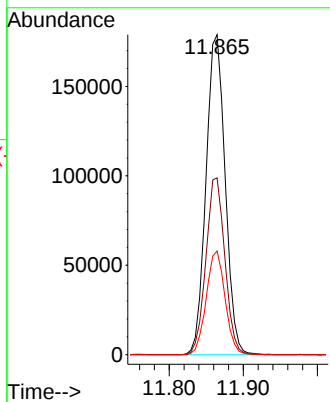
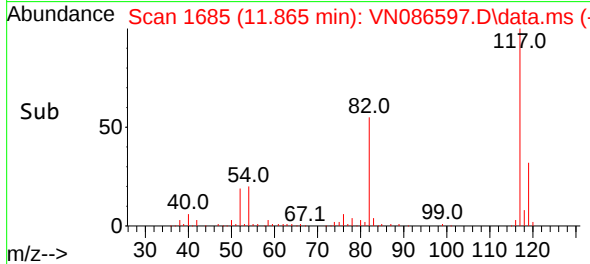
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#16



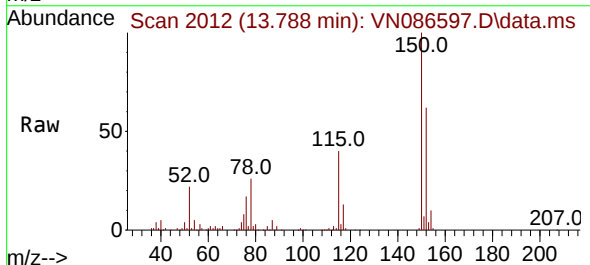
Tgt Ion:117 Resp: 32124
Ion Ratio Lower Upper
117 100
82 55.2 44.7 67.1
119 32.4 26.4 39.6

Manual Integrations
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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: VN086597.D
Acq: 13 May 2025 13:22



Tgt Ion:152 Resp: 135518
Ion Ratio Lower Upper
152 100
115 61.6 31.9 95.9
150 158.1 0.0 352.0

