

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086609.D
 Acq On : 13 May 2025 18:13
 Operator : JC\MD
 Sample : PB167964ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#07

Manual Integrations
 APPROVED

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

Quant Time: May 14 01:48:59 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	172552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	335441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124096	49.596	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.200%		
35) Dibromofluoromethane	8.165	113	98434	63.227	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	126.460%#		
50) Toluene-d8	10.565	98	432877	52.026	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.060%		
62) 4-Bromofluorobenzene	12.847	95	149809	49.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.720%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	25658	24.512	ug/l	98
18) Methyl Acetate	5.030	43	3875	1.290	ug/l #	82
20) Methylene Chloride	5.289	84	3961	1.712	ug/l #	82
43) Isopropyl Acetate	8.694	43	37897m	4.669	ug/l	

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

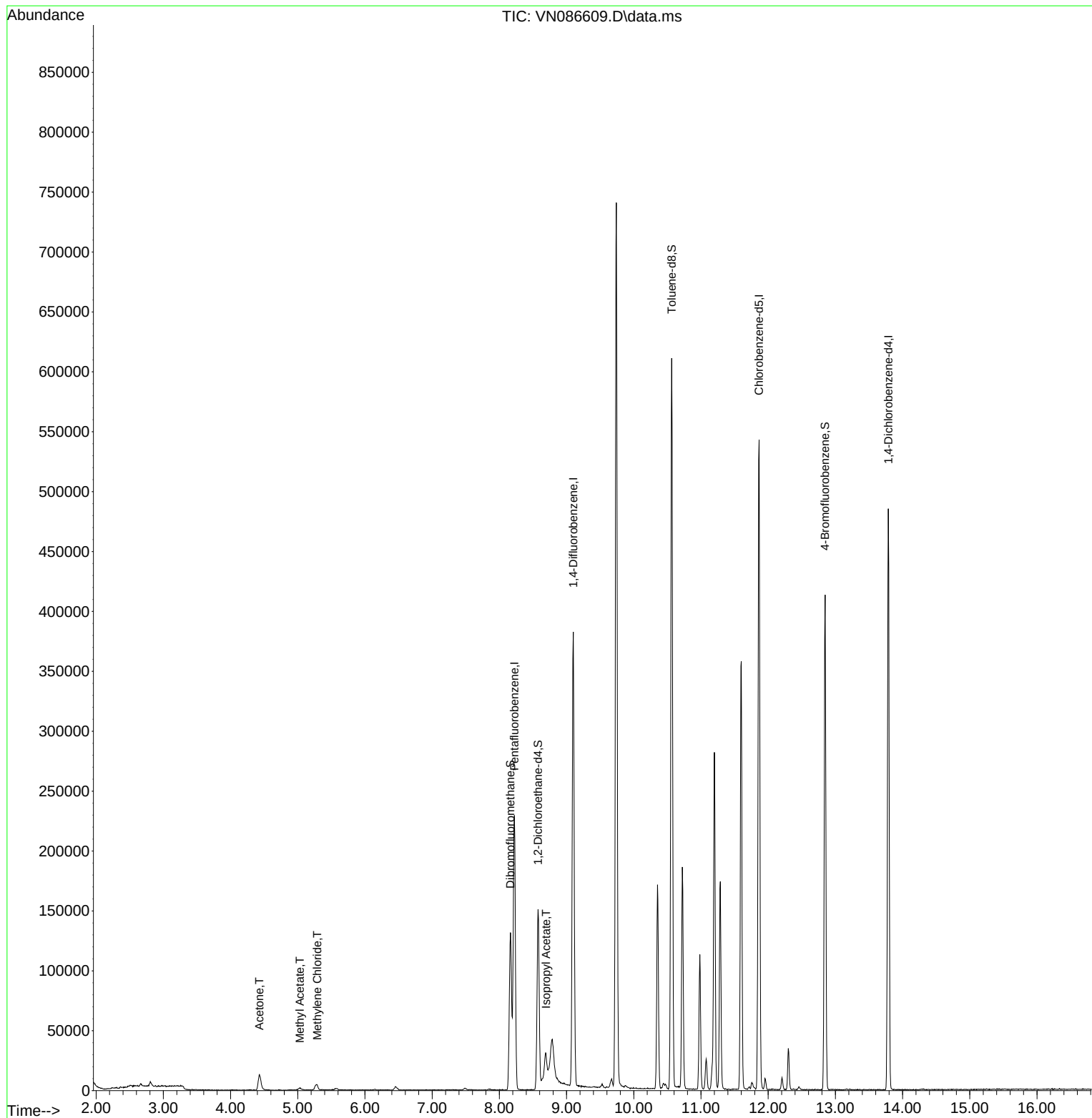
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
Data File : VN086609.D
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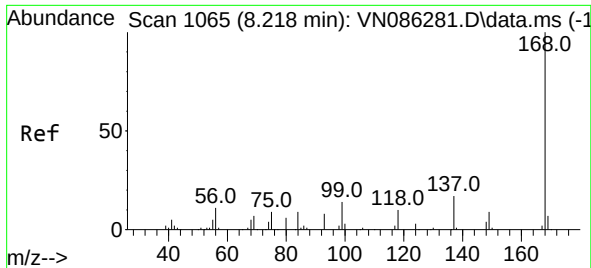
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#07

Quant Time: May 14 01:48:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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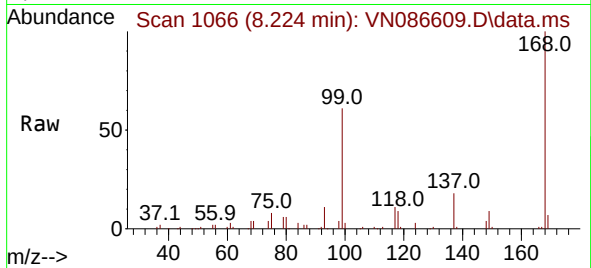
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13

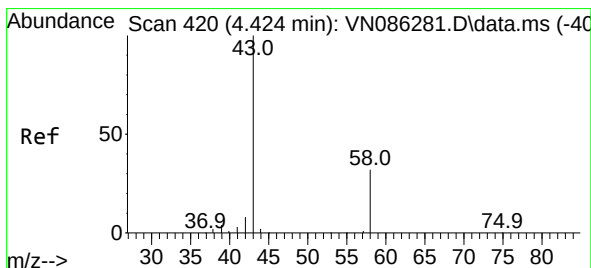
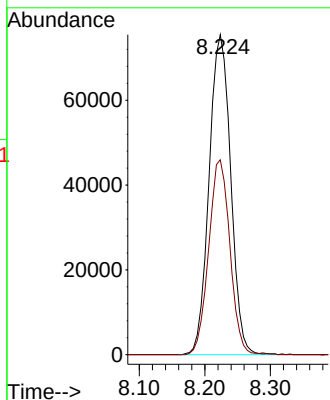
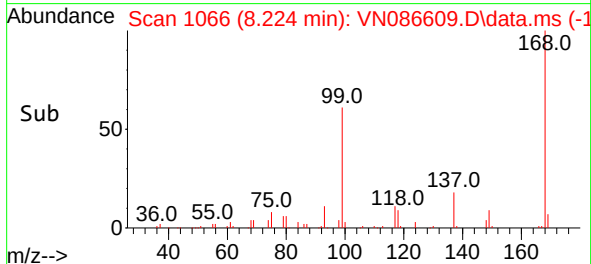
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#07



Tgt Ion:168 Resp: 17255
Ion Ratio Lower Upper
168 100
99 60.9 52.5 78.7

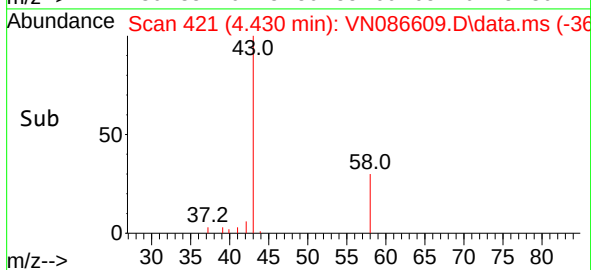
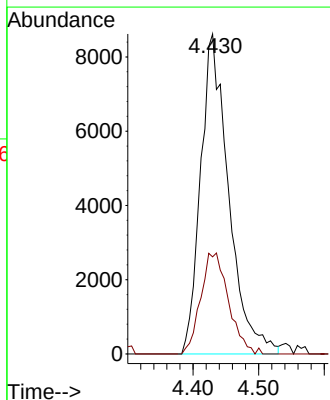
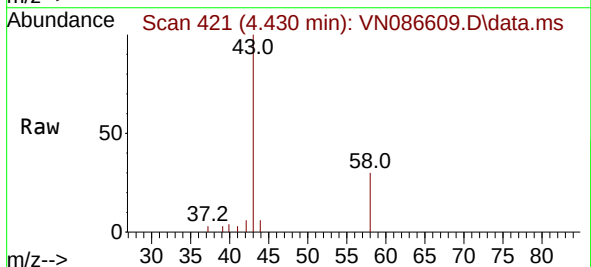
Manual Integrations
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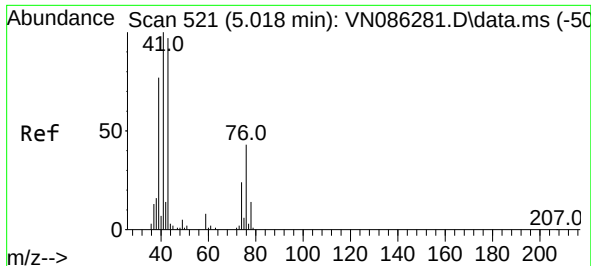
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16
Acetone
Concen: 24.512 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13

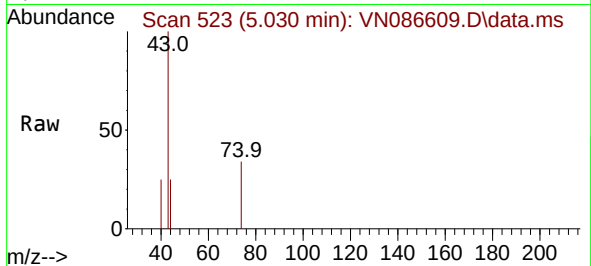
Tgt Ion: 43 Resp: 25658
Ion Ratio Lower Upper
43 100
58 30.3 25.3 37.9





#18
Methyl Acetate
Concen: 1.290 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13

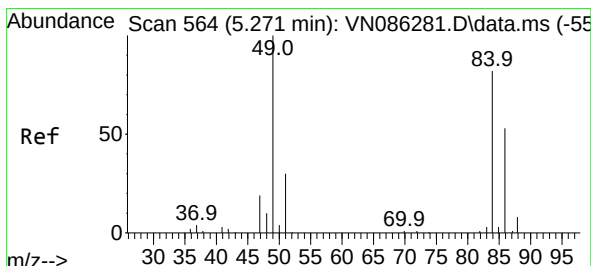
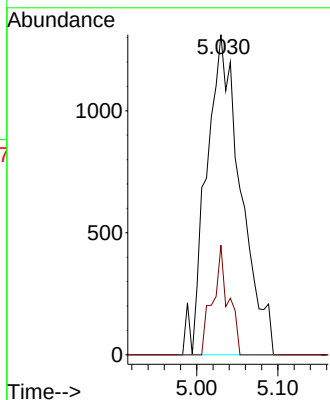
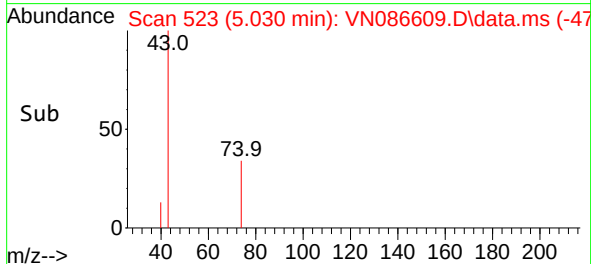
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#07



Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
74 15.5 19.8 29.6

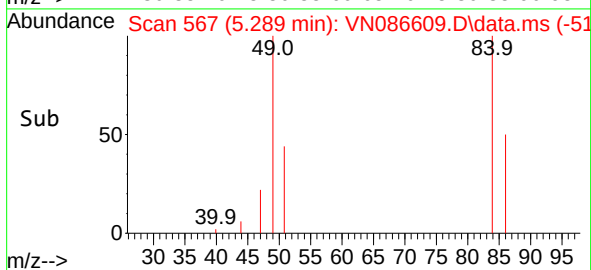
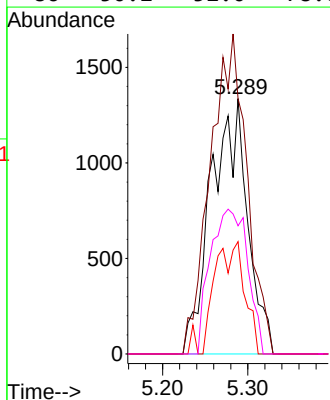
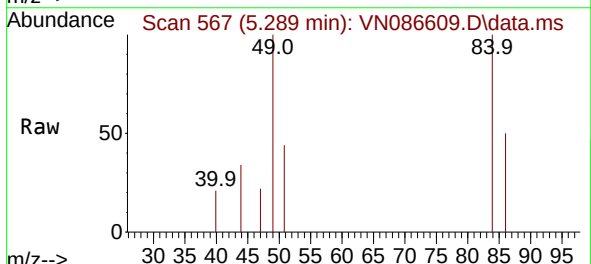
Manual Integrations
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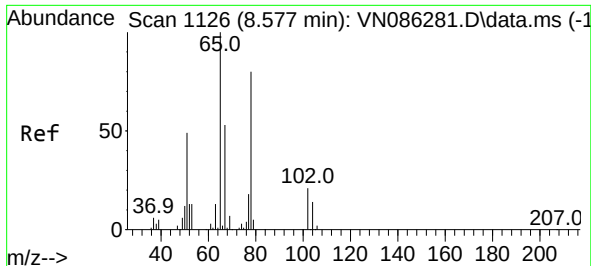
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#20
Methylene Chloride
Concen: 1.712 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13

Tgt Ion: 84 Resp: 3961
Ion Ratio Lower Upper
84 100
49 100.0 98.2 147.2
51 44.0 29.8 44.6
86 50.2 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 49.596 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086609.D

Acq: 13 May 2025 18:13

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#07

Tgt Ion: 65 Resp: 124090

Ion Ratio Lower Upper

65 100

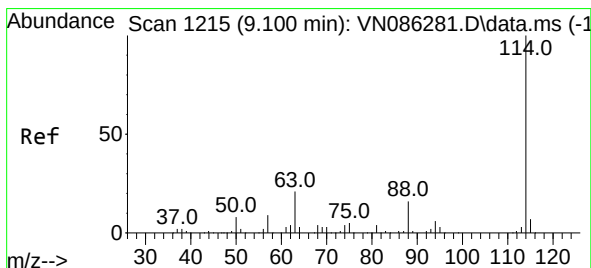
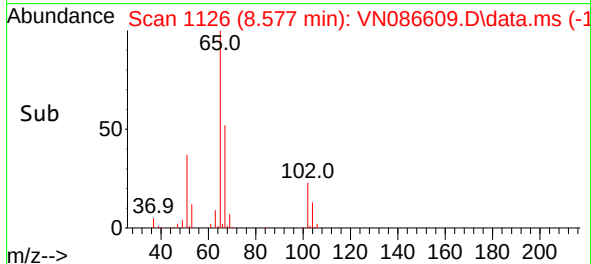
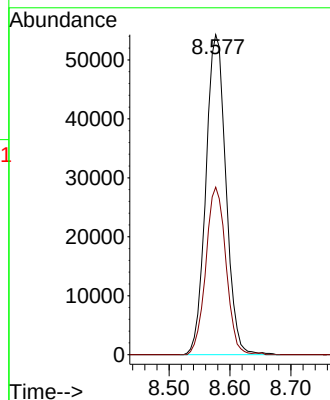
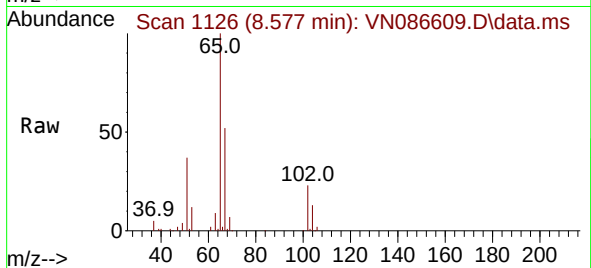
67 52.4 0.0 106.0

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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: VN086609.D

Acq: 13 May 2025 18:13

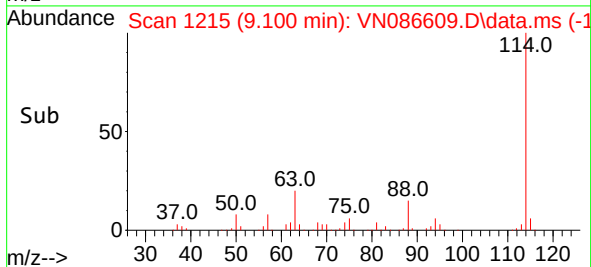
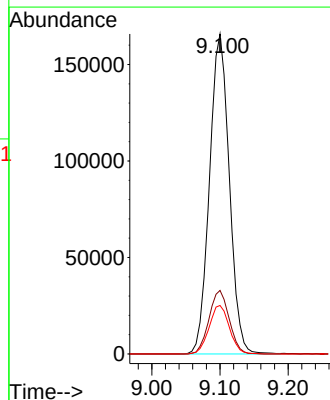
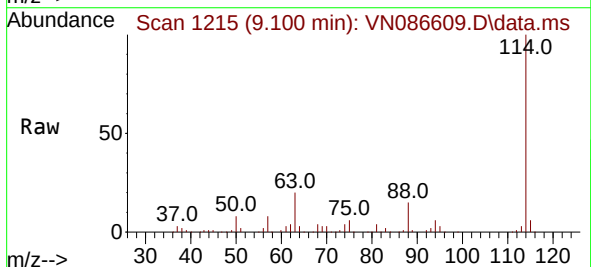
Tgt Ion:114 Resp: 335441

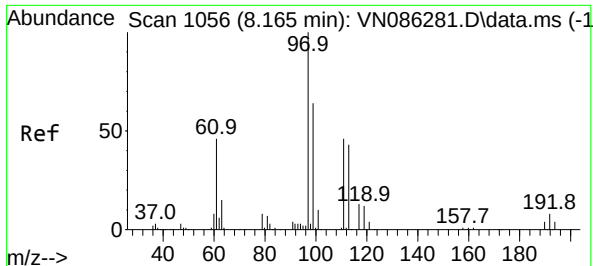
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.227 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086609.D

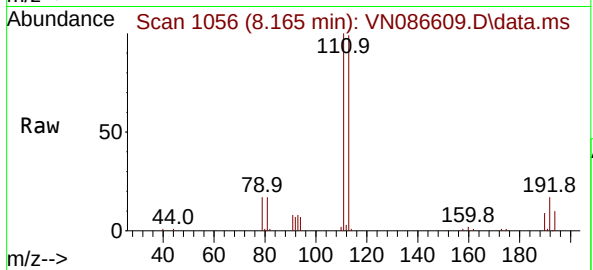
Acq: 13 May 2025 18:13

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#07



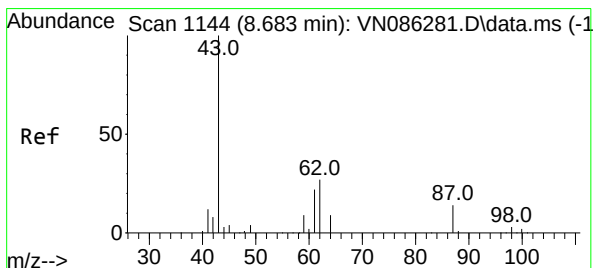
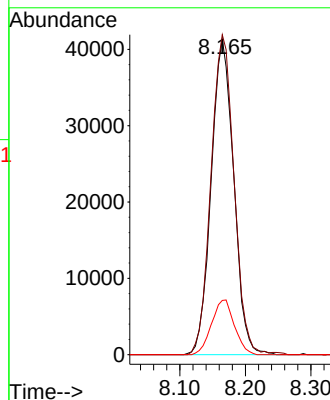
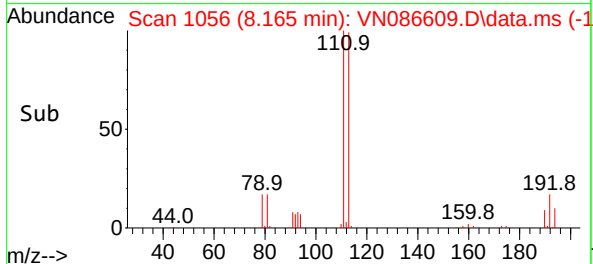
Tgt Ion:	113	Resp:	98434
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.4	125.0
192	17.6	13.7	20.5

Manual Integrations

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#43

Isopropyl Acetate

Concen: 4.669 ug/l m

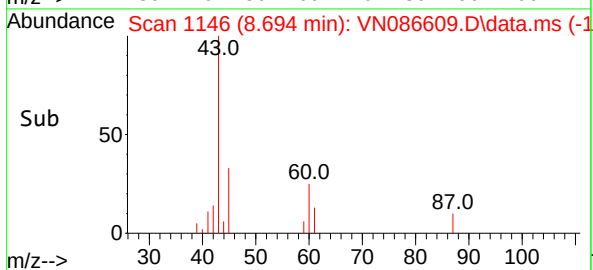
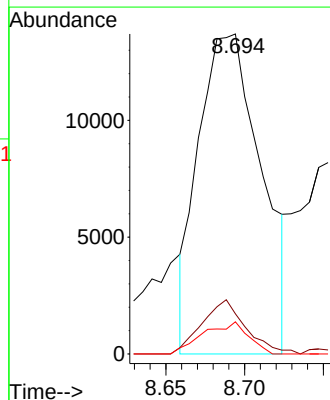
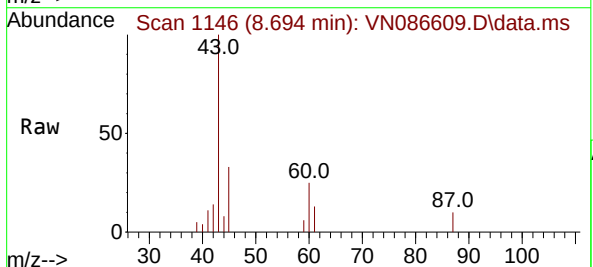
RT: 8.694 min Scan# 1146

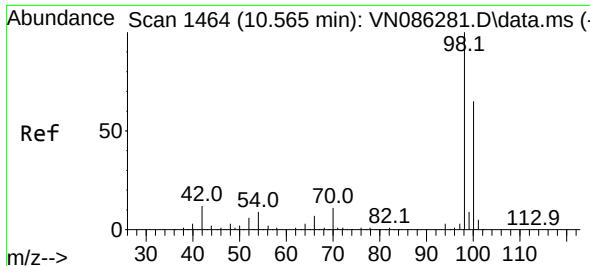
Delta R.T. 0.011 min

Lab File: VN086609.D

Acq: 13 May 2025 18:13

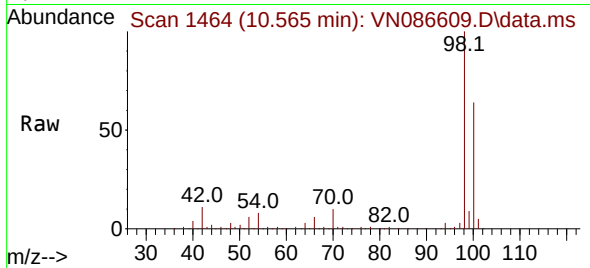
Tgt Ion:	43	Resp:	37897
Ion	Ratio	Lower	Upper
43	100		
61	11.9	20.5	30.7#
87	7.2	10.5	15.7#





#50
Toluene-d8
Concen: 52.026 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13

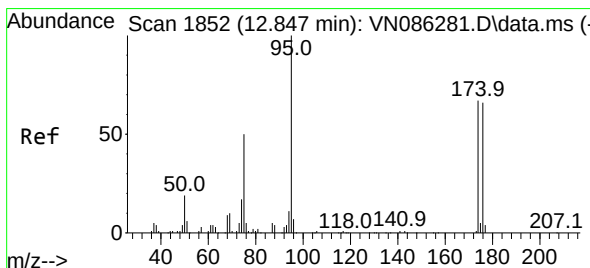
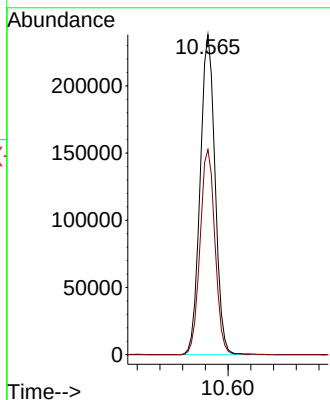
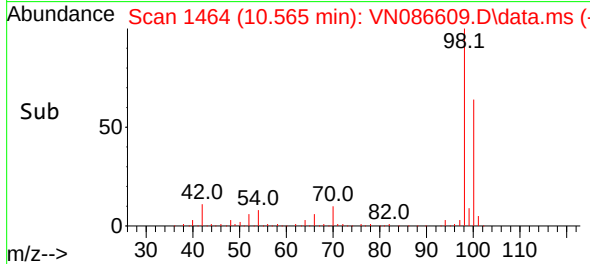
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#07



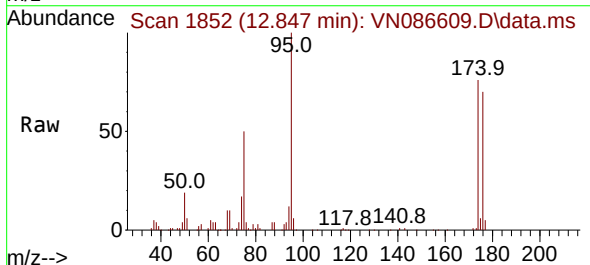
Tgt Ion: 98 Resp: 43287
Ion Ratio Lower Upper
98 100
100 64.1 52.5 78.7

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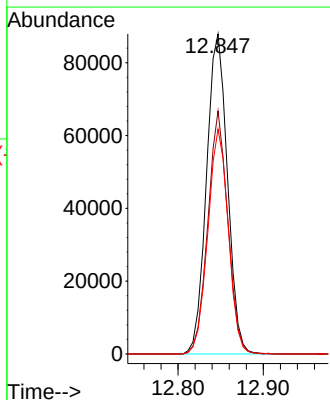
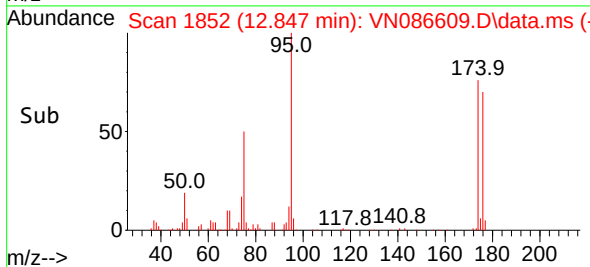
Reviewed By :John Carlone 05/14/2025
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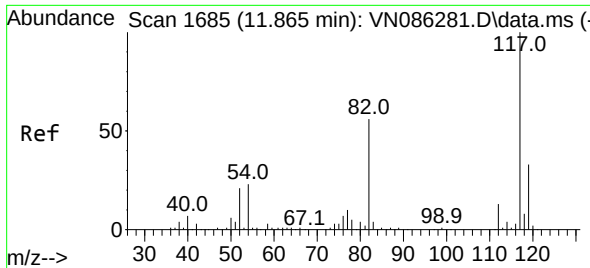


#62
4-Bromofluorobenzene
Concen: 49.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13



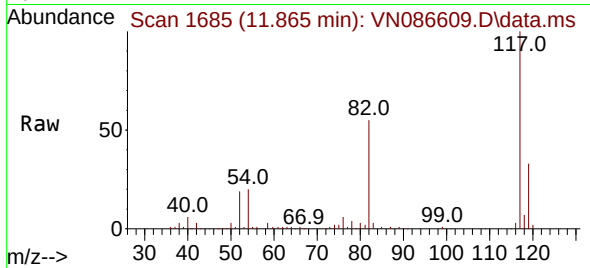
Tgt Ion: 95 Resp: 149809
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.4
176 68.5 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086609.D
Acq: 13 May 2025 18:13

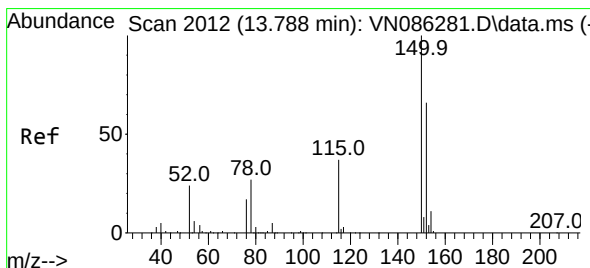
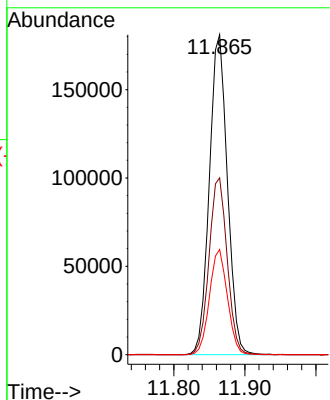
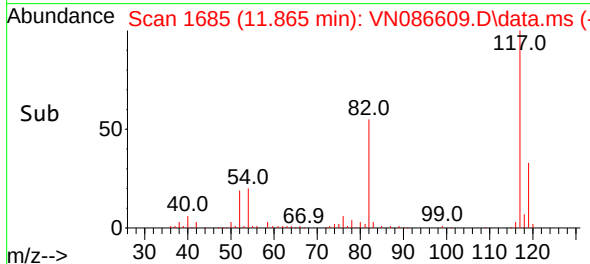
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#07



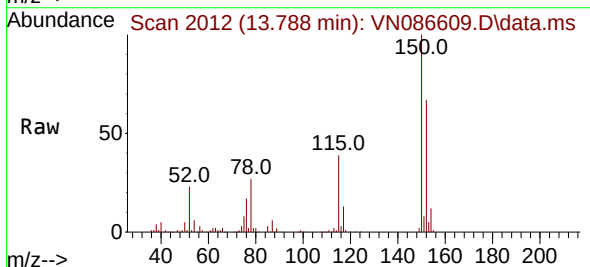
Tgt Ion:117 Resp: 31964
Ion Ratio Lower Upper
117 100
82 55.2 44.7 67.1
119 32.9 26.4 39.6

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: VN086609.D
Acq: 13 May 2025 18:13



Tgt Ion:152 Resp: 134172
Ion Ratio Lower Upper
152 100
115 60.9 31.9 95.9
150 156.9 0.0 352.0

