

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086601.D
 Acq On : 13 May 2025 14:59
 Operator : JC\MD
 Sample : PB167932ZHE#20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#20

Manual Integrations
 APPROVED

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

Quant Time: May 14 01:45:11 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	165560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117116	48.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.560%		
35) Dibromofluoromethane	8.165	113	94109	64.496	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	129.000%#		
50) Toluene-d8	10.565	98	413412	53.012	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.020%		
62) 4-Bromofluorobenzene	12.847	95	148507	52.210	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.420%		
Target Compounds						
16) Acetone	4.430	43	23840	23.552	ug/l	96
18) Methyl Acetate	5.024	43	3521	1.222	ug/l	90
20) Methylene Chloride	5.277	84	4594	2.070	ug/l #	84
43) Isopropyl Acetate	8.688	43	29271m	3.515	ug/l	

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

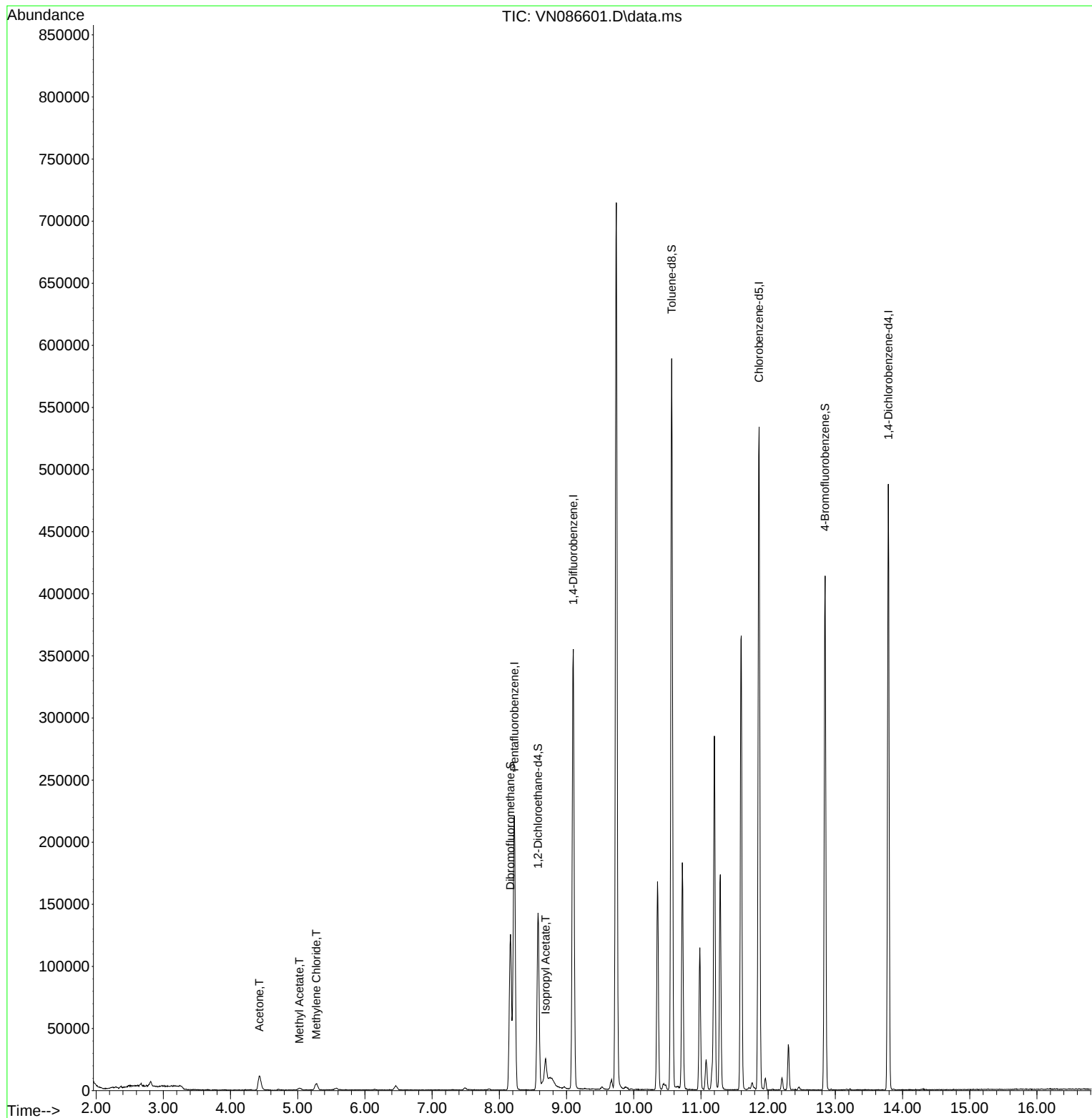
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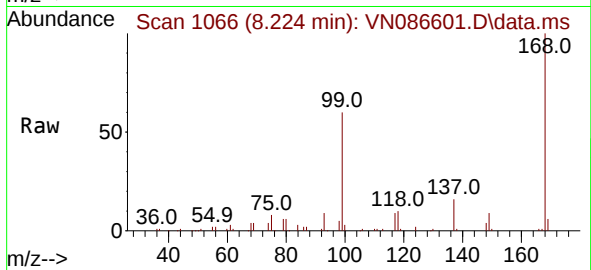
Reviewed By : John Carlone 05/14/2025
Supervised By : Mahesh Dadoda 05/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59

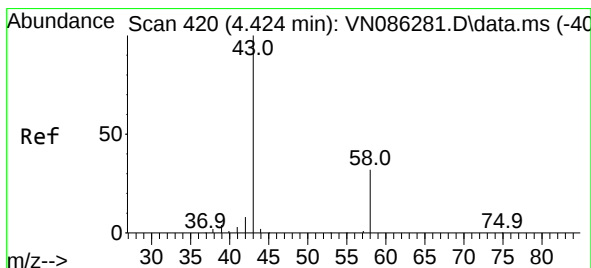
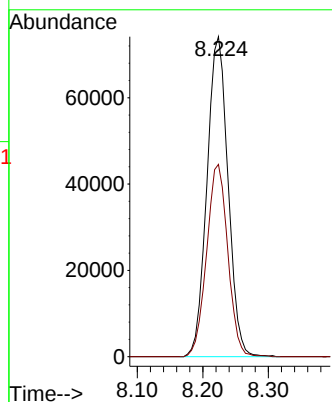
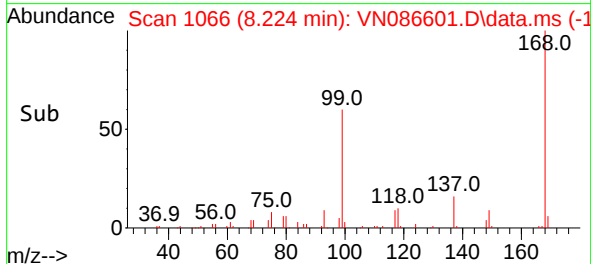
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#20



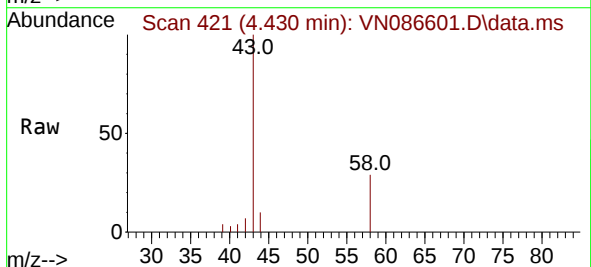
Tgt Ion:168 Resp: 165560
Ion Ratio Lower Upper
168 100
99 60.1 52.5 78.7

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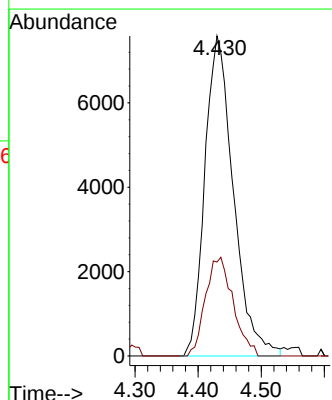
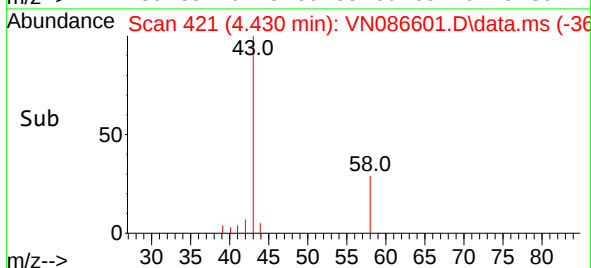
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16
Acetone
Concen: 23.552 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59



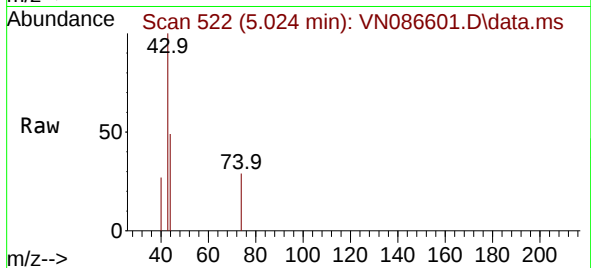
Tgt Ion: 43 Resp: 23840
Ion Ratio Lower Upper
43 100
58 29.3 25.3 37.9





#18
Methyl Acetate
Concen: 1.222 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59

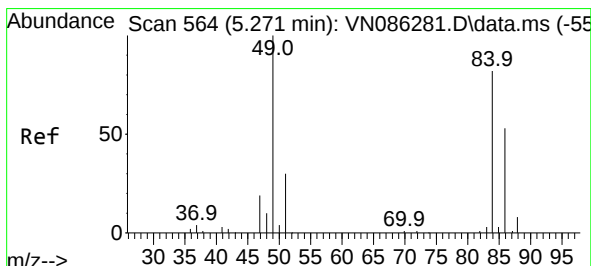
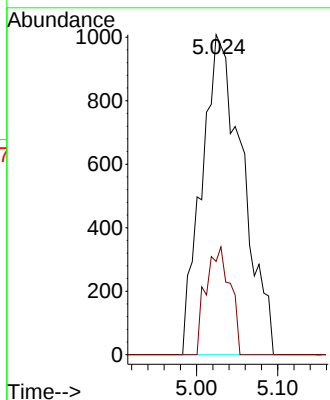
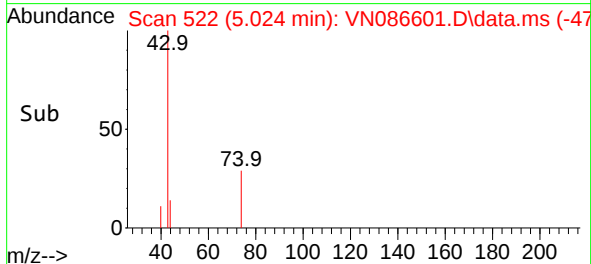
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#20



Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
74 19.9 19.8 29.6

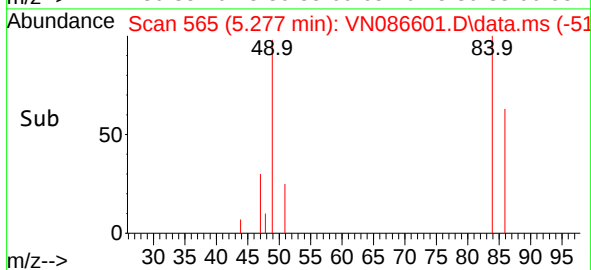
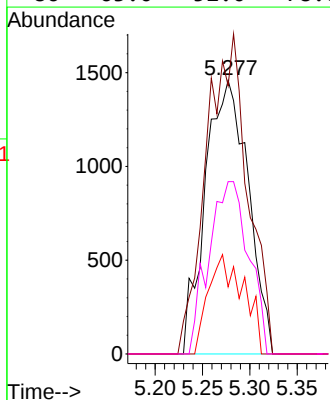
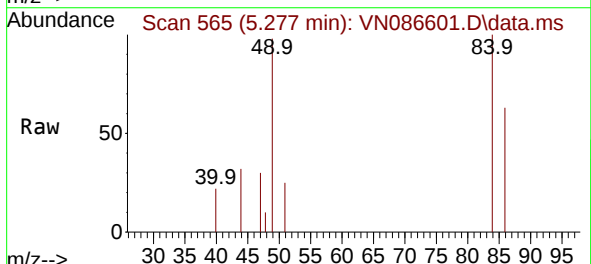
Manual Integrations
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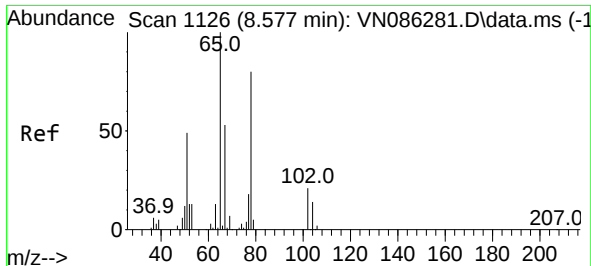
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#20
Methylene Chloride
Concen: 2.070 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59

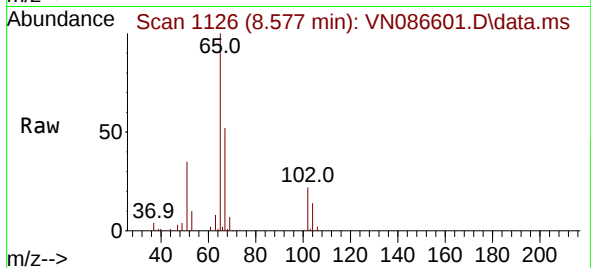
Tgt Ion: 84 Resp: 4594
Ion Ratio Lower Upper
84 100
49 98.0 98.2 147.2#
51 24.5 29.8 44.6#
86 63.0 52.0 78.0





#33
1,2-Dichloroethane-d4
Concen: 48.783 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59

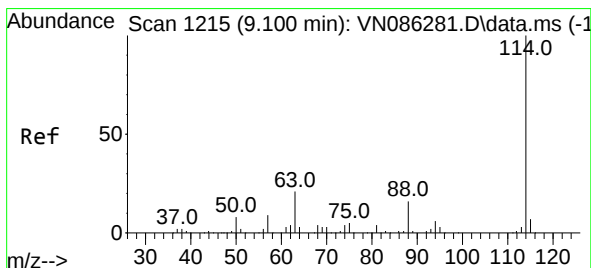
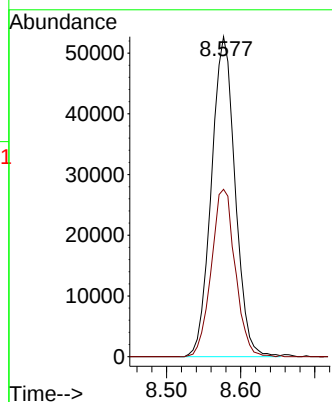
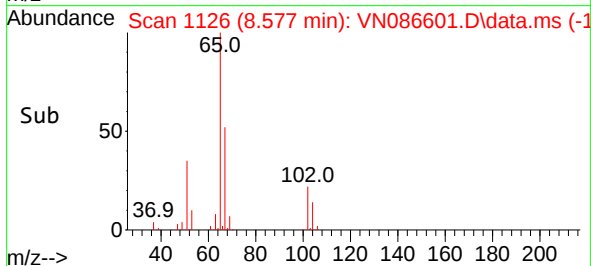
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#20



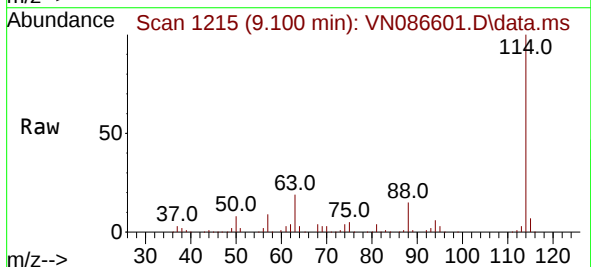
Tgt Ion: 65 Resp: 117110
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0

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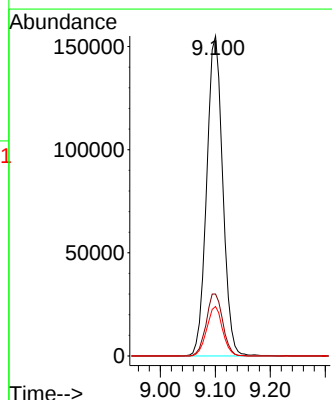
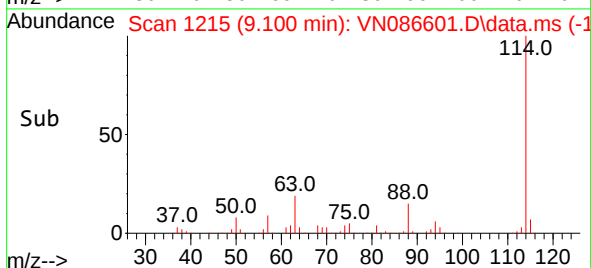
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

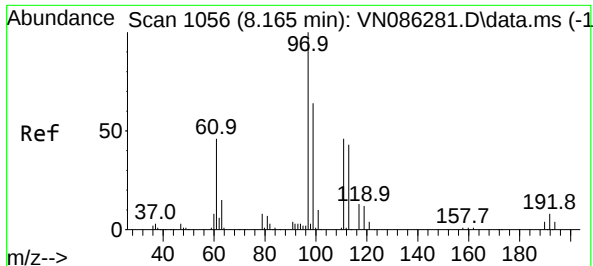


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59



Tgt Ion:114 Resp: 314395
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.6
88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 64.496 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086601.D

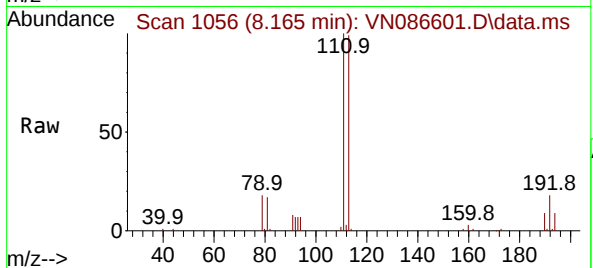
Acq: 13 May 2025 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#20



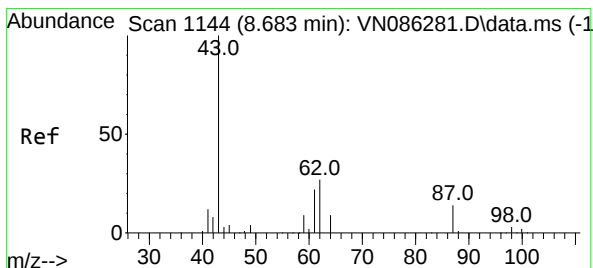
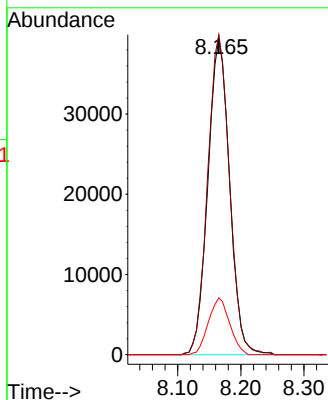
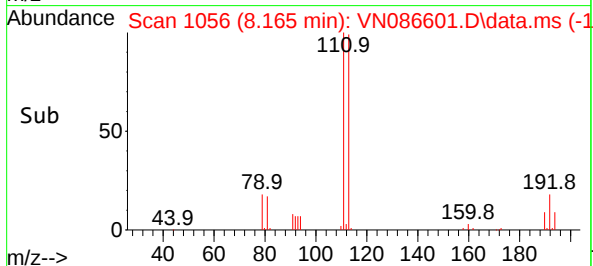
Tgt Ion:	113	Resp:	94109
Ion Ratio	Lower	Upper	
113	100		
111	102.0	83.4	125.0
192	17.5	13.7	20.5

Manual Integrations

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Supervised By :Mahesh Dadoda 05/14/2025



#43

Isopropyl Acetate

Concen: 3.515 ug/l m

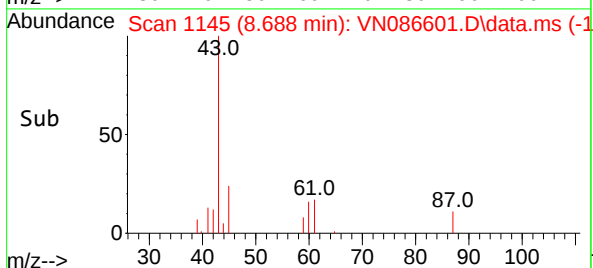
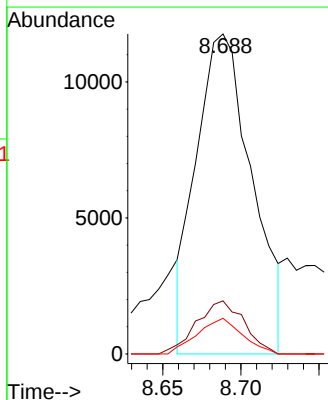
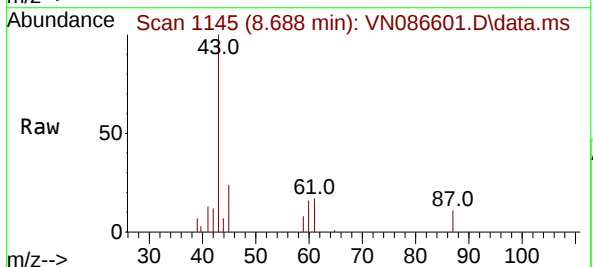
RT: 8.688 min Scan# 1145

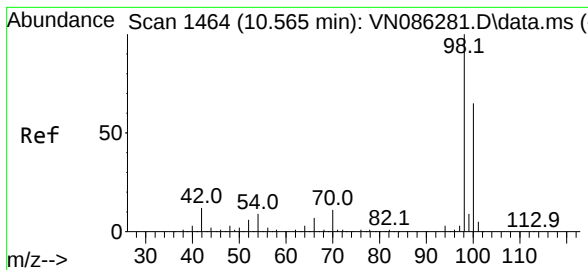
Delta R.T. 0.005 min

Lab File: VN086601.D

Acq: 13 May 2025 14:59

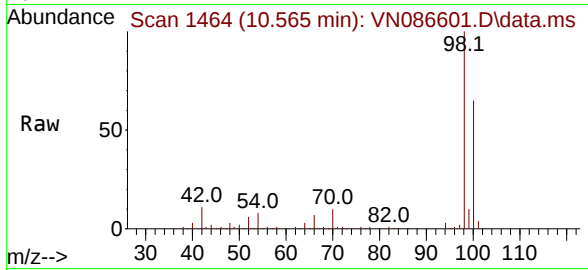
Tgt Ion:	43	Resp:	29271
Ion Ratio	Lower	Upper	
43	100		
61	14.1	20.5	30.7#
87	9.0	10.5	15.7#





#50
Toluene-d8
Concen: 53.012 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59

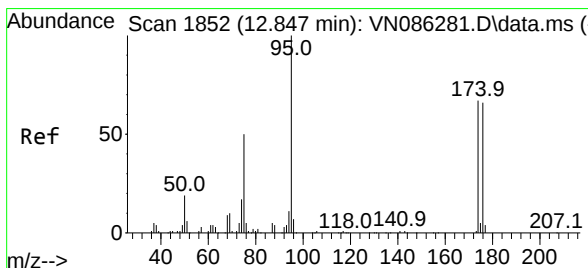
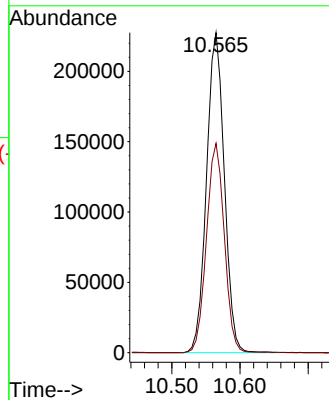
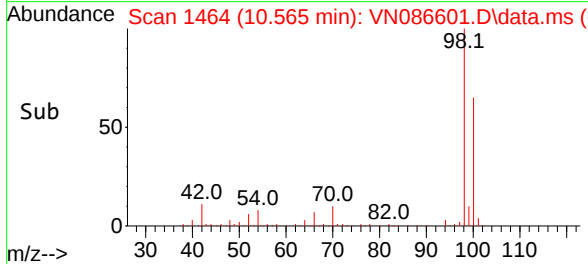
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#20



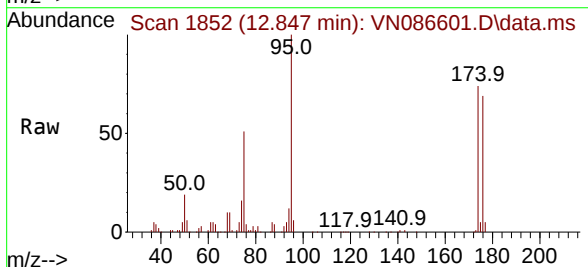
Tgt Ion: 98 Resp: 41341
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

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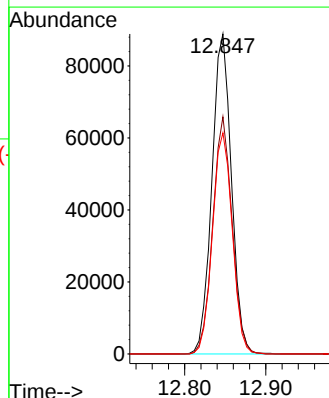
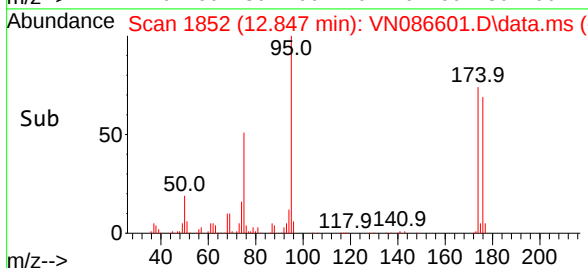
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

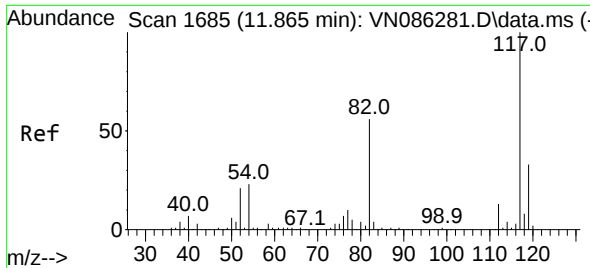


#62
4-Bromofluorobenzene
Concen: 52.210 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59



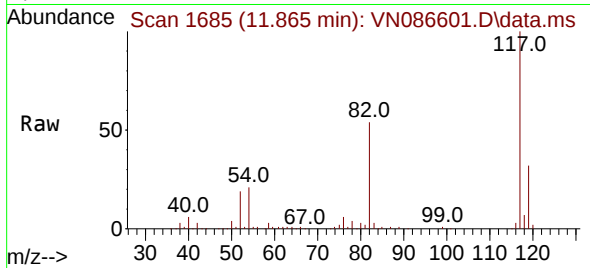
Tgt Ion: 95 Resp: 148507
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 70.0 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086601.D
Acq: 13 May 2025 14:59

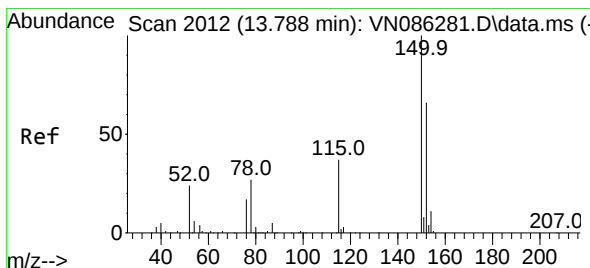
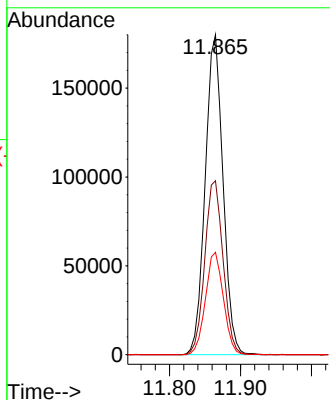
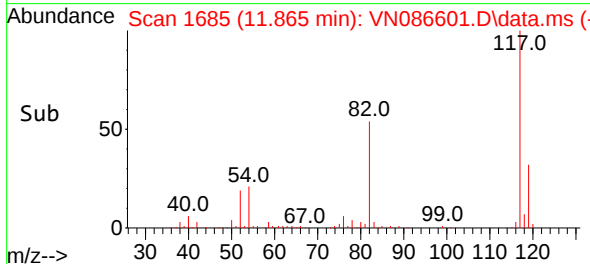
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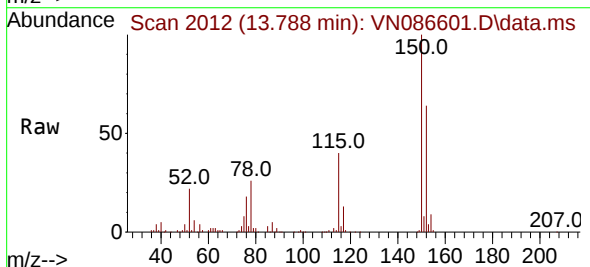
Tgt Ion:117 Resp: 31404
Ion Ratio Lower Upper
117 100
82 54.3 44.7 67.1
119 32.0 26.4 39.6

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: VN086601.D
Acq: 13 May 2025 14:59



Tgt Ion:152 Resp: 130941
Ion Ratio Lower Upper
152 100
115 60.5 31.9 95.9
150 157.6 0.0 352.0

