

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086608.D
 Acq On : 13 May 2025 17:49
 Operator : JC\MD
 Sample : PB167964ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#06

Quant Time: May 14 01:48:33 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117525	49.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.520%		
35) Dibromofluoromethane	8.165	113	93804	63.661	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	127.320%#		
50) Toluene-d8	10.565	98	412345	52.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.720%		
62) 4-Bromofluorobenzene	12.847	95	144846	50.427	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.860%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	26516	27.391	ug/l	96
18) Methyl Acetate	5.018	43	3830	1.351	ug/l	91
20) Methylene Chloride	5.277	84	4473	2.049	ug/l #	86
43) Isopropyl Acetate	8.688	43	40505m	5.518	ug/l	

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

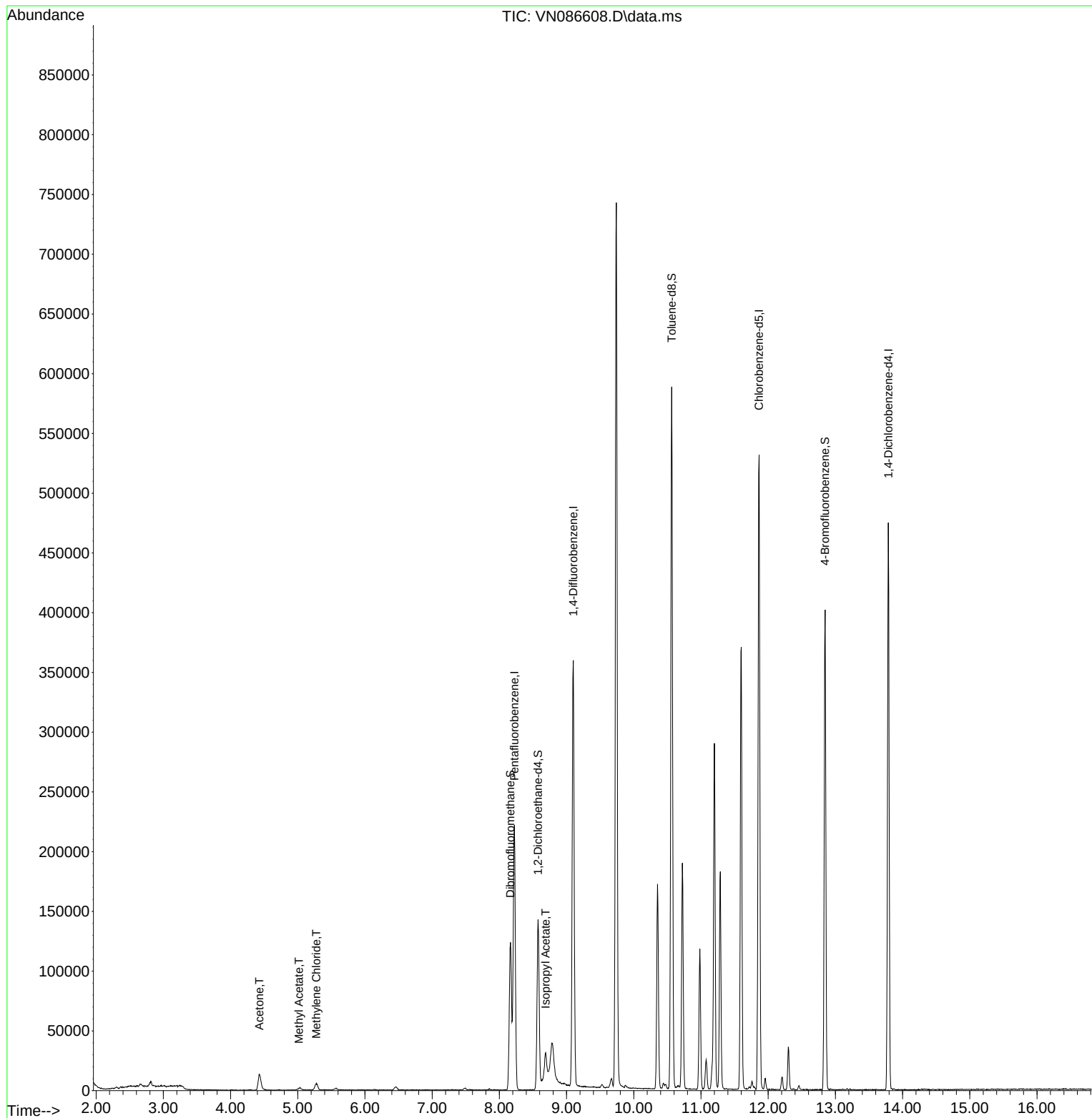
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
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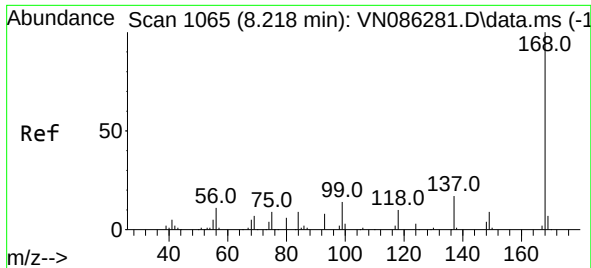
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#06

Quant Time: May 14 01:48:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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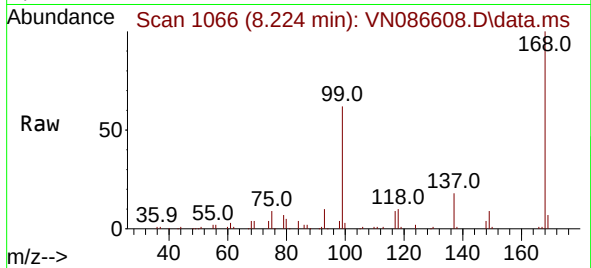
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

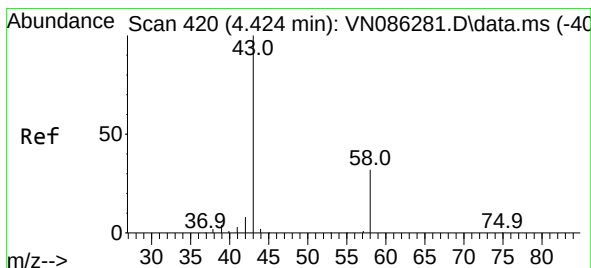
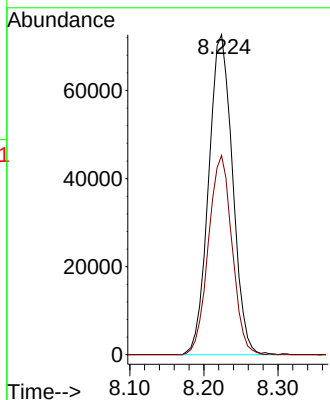
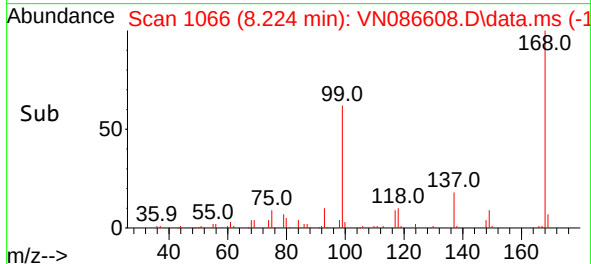
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#06



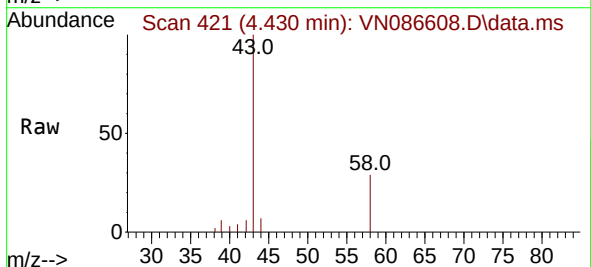
Tgt Ion:168 Resp: 16287
Ion Ratio Lower Upper
168 100
99 62.2 52.5 78.7

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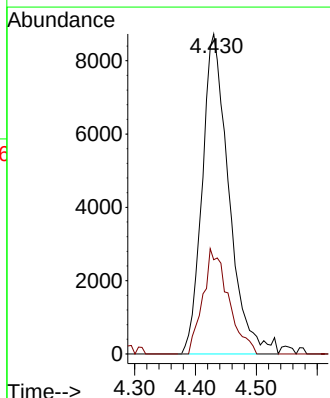
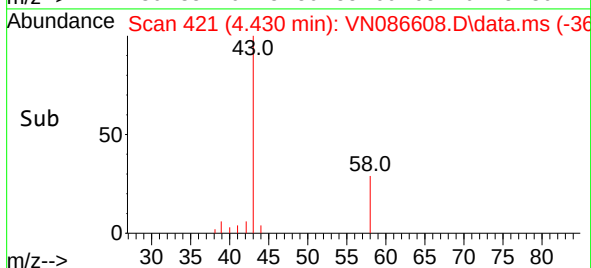
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

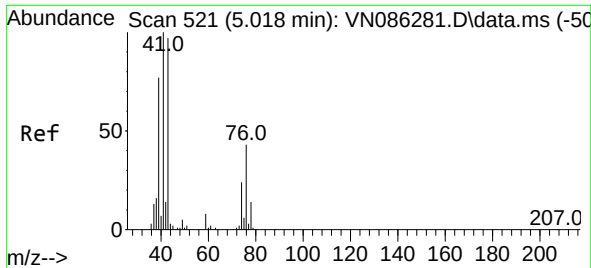


#16
Acetone
Concen: 27.391 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49



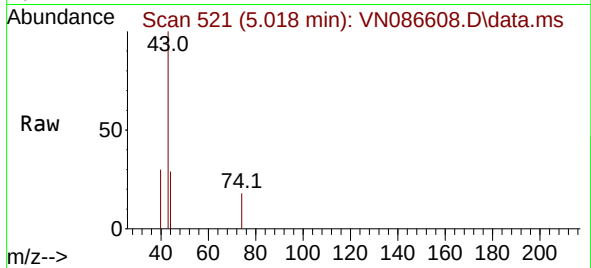
Tgt Ion: 43 Resp: 26516
Ion Ratio Lower Upper
43 100
58 29.5 25.3 37.9





#18
Methyl Acetate
Concen: 1.351 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

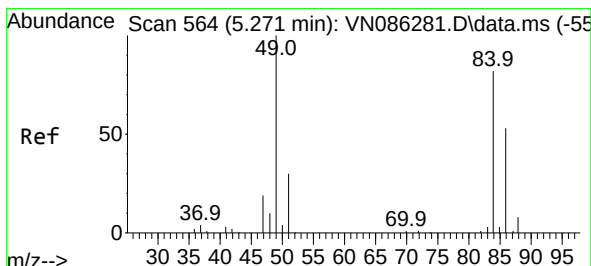
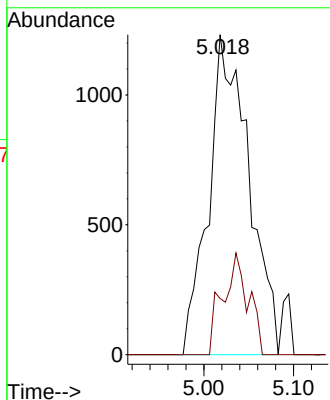
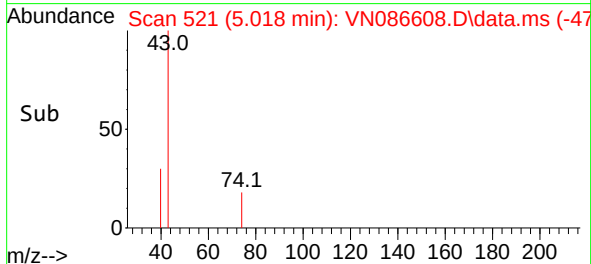
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#06



Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
74 20.2 19.8 29.6

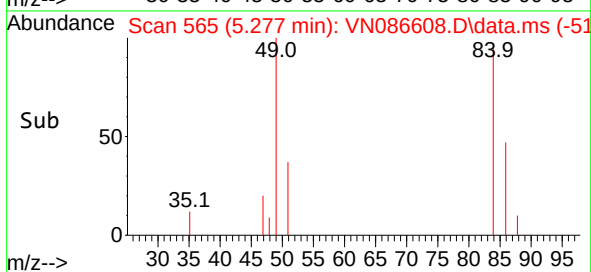
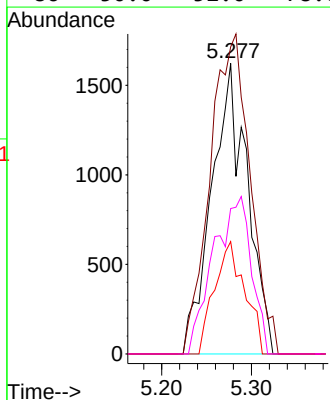
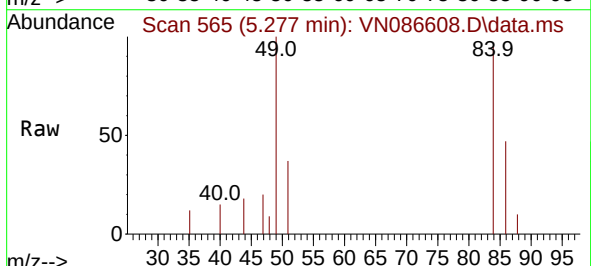
Manual Integrations
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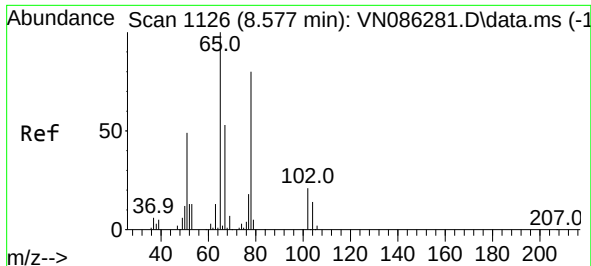
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#20
Methylene Chloride
Concen: 2.049 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

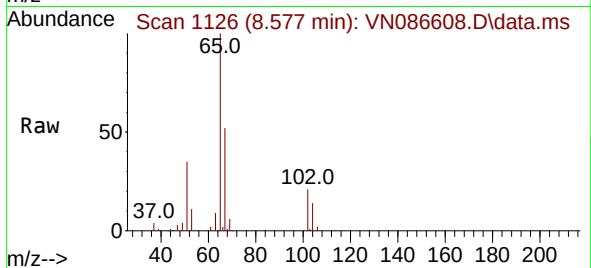
Tgt Ion: 84 Resp: 4473
Ion Ratio Lower Upper
84 100
49 105.7 98.2 147.2
51 38.6 29.8 44.6
86 50.0 52.0 78.0#





#33
1,2-Dichloroethane-d4
Concen: 49.761 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

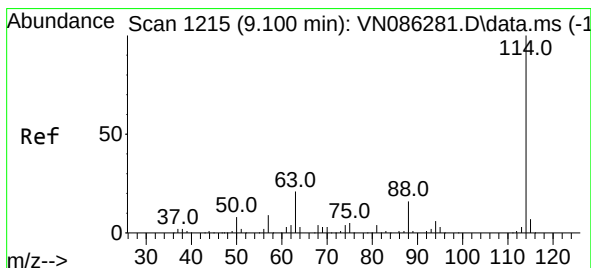
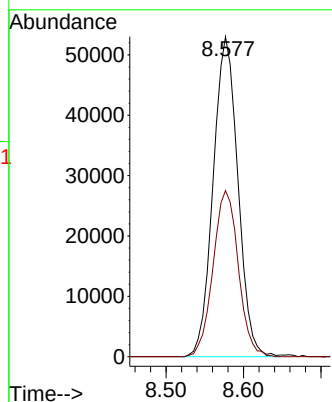
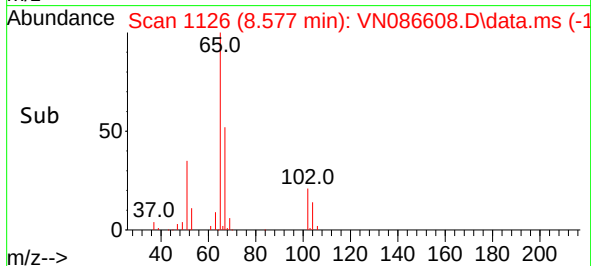
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#06



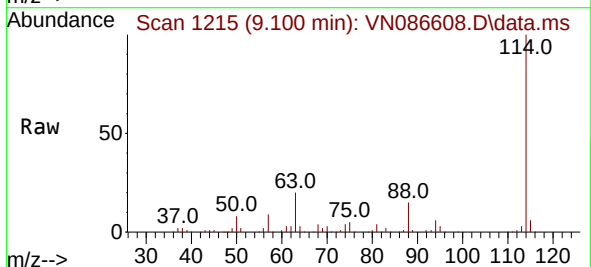
Tgt Ion: 65 Resp: 117529
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0

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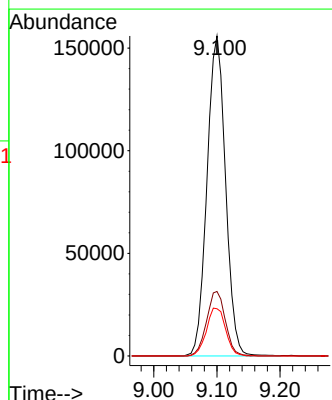
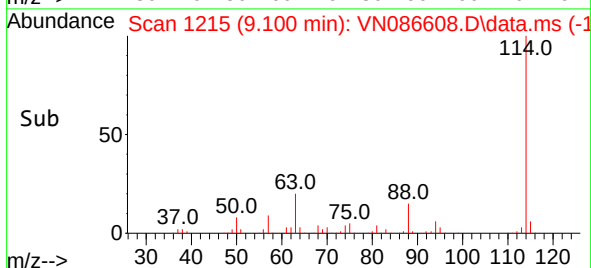
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

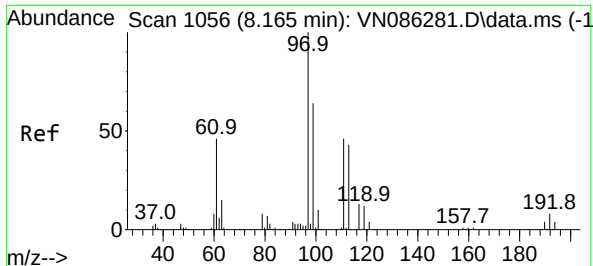


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49



Tgt Ion:114 Resp: 317488
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.6
88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.661 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086608.D

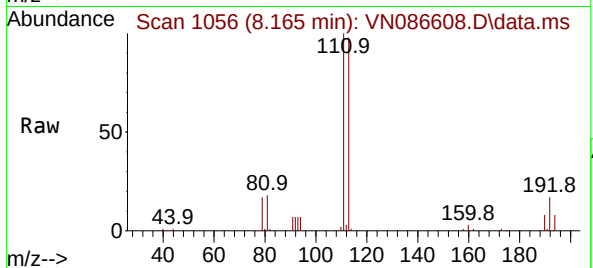
Acq: 13 May 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#06



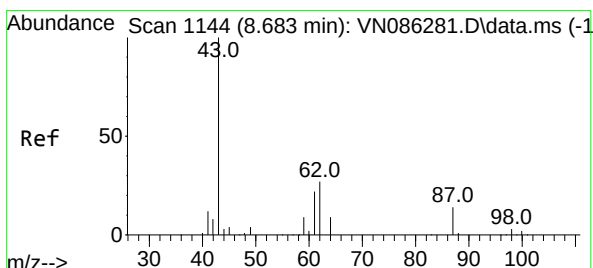
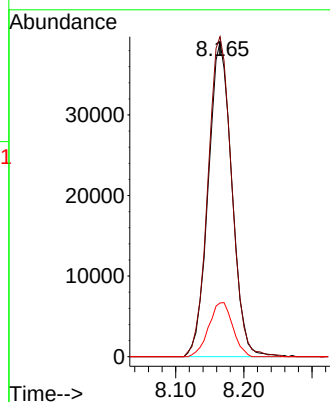
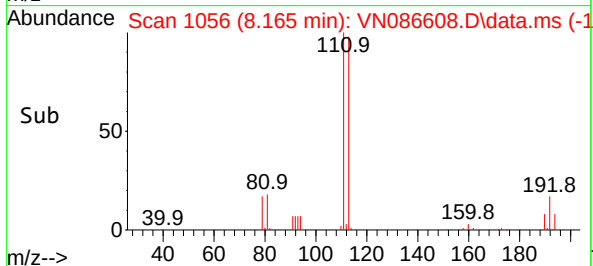
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.0
192	17.5	13.7	20.5

Manual Integrations

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Supervised By :Mahesh Dadoda 05/14/2025



#43

Isopropyl Acetate

Concen: 5.518 ug/l m

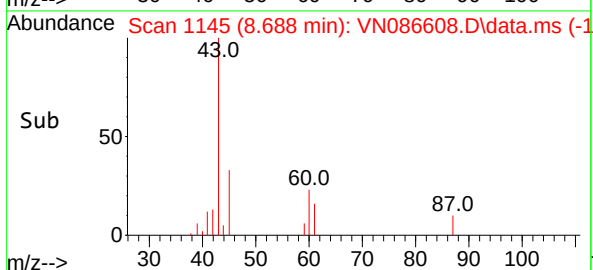
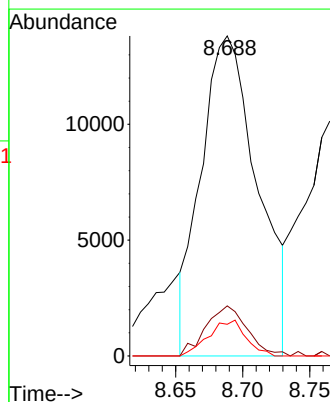
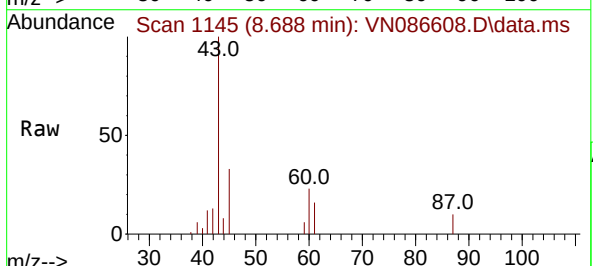
RT: 8.688 min Scan# 1145

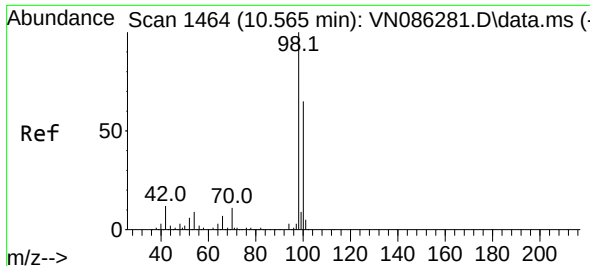
Delta R.T. 0.005 min

Lab File: VN086608.D

Acq: 13 May 2025 17:49

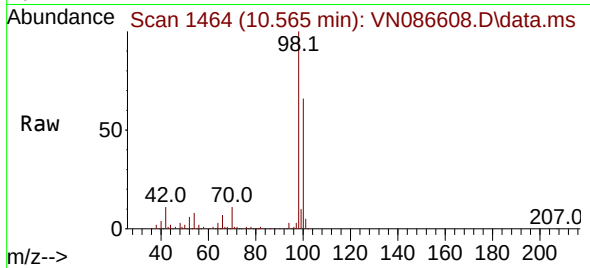
Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.6	20.5	30.7#
87	7.4	10.5	15.7#





#50
Toluene-d8
Concen: 52.361 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

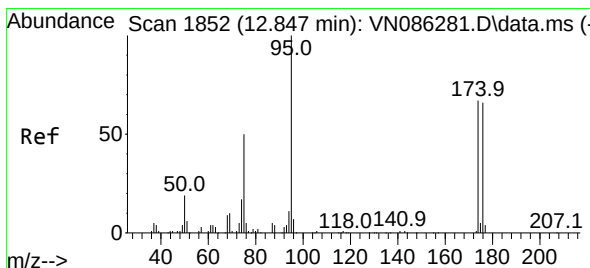
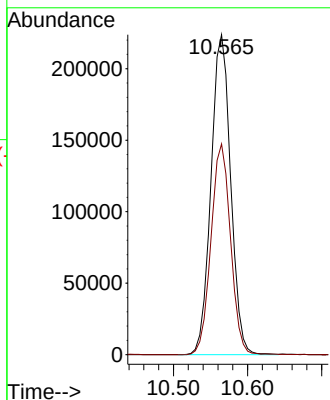
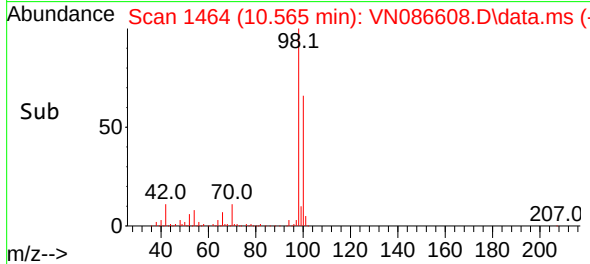
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#06



Tgt Ion: 98 Resp: 412345
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

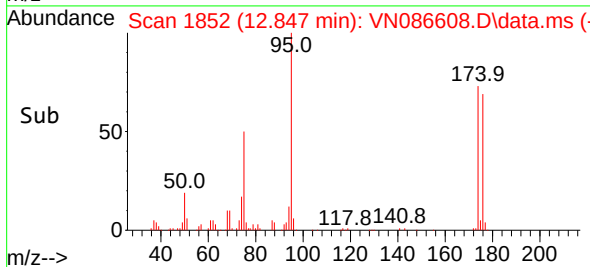
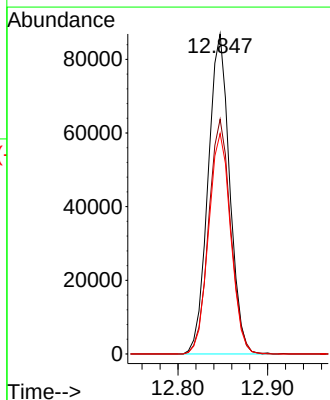
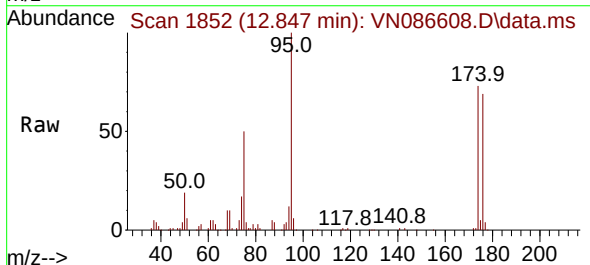
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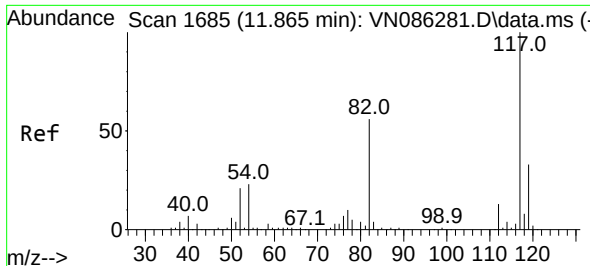
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#62
4-Bromofluorobenzene
Concen: 50.427 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

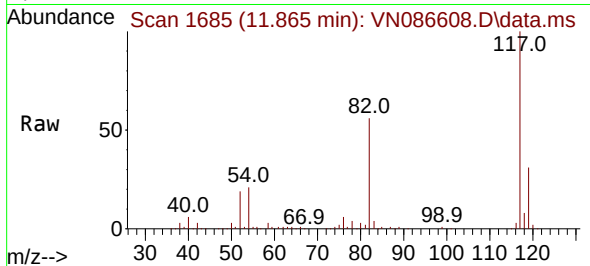
Tgt Ion: 95 Resp: 144846
Ion Ratio Lower Upper
95 100
174 74.9 0.0 133.4
176 70.8 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086608.D
Acq: 13 May 2025 17:49

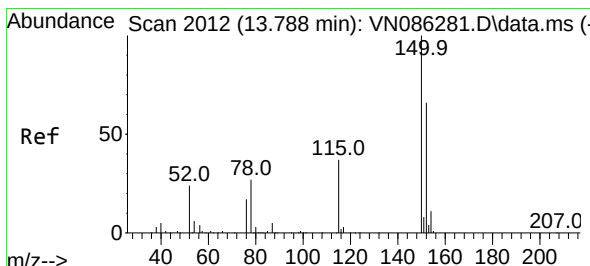
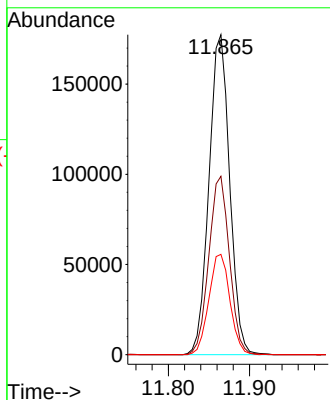
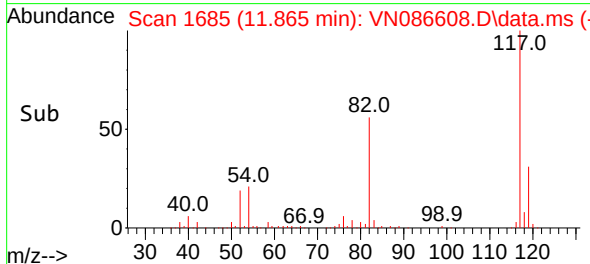
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#06



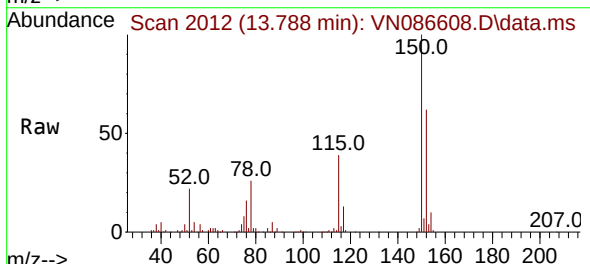
Tgt Ion:117 Resp: 31399
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 31.3 26.4 39.6

Manual Integrations
APPROVED

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: VN086608.D
Acq: 13 May 2025 17:49



Tgt Ion:152 Resp: 127388
Ion Ratio Lower Upper
152 100
115 62.9 31.9 95.9
150 160.2 0.0 352.0

