

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086695.D
 Acq On : 19 May 2025 17:28
 Operator : JC\MD
 Sample : PB168034ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#12

Manual Integrations
 APPROVED

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

Quant Time: May 20 03:22:07 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	177284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129889	53.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 106.040%		
35) Dibromofluoromethane	8.165	113	108036	52.018	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 104.040%		
50) Toluene-d8	10.565	98	456250	53.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 106.020%		
62) 4-Bromofluorobenzene	12.847	95	170036	55.952	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 111.900%		
Target Compounds						Qvalue
16) Acetone	4.430	43	25867	28.228	ug/l	99
18) Methyl Acetate	5.030	43	4262	1.662	ug/l #	76
20) Methylene Chloride	5.283	84	4556	1.884	ug/l #	82
43) Isopropyl Acetate	8.688	43	38310m	6.175	ug/l	

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

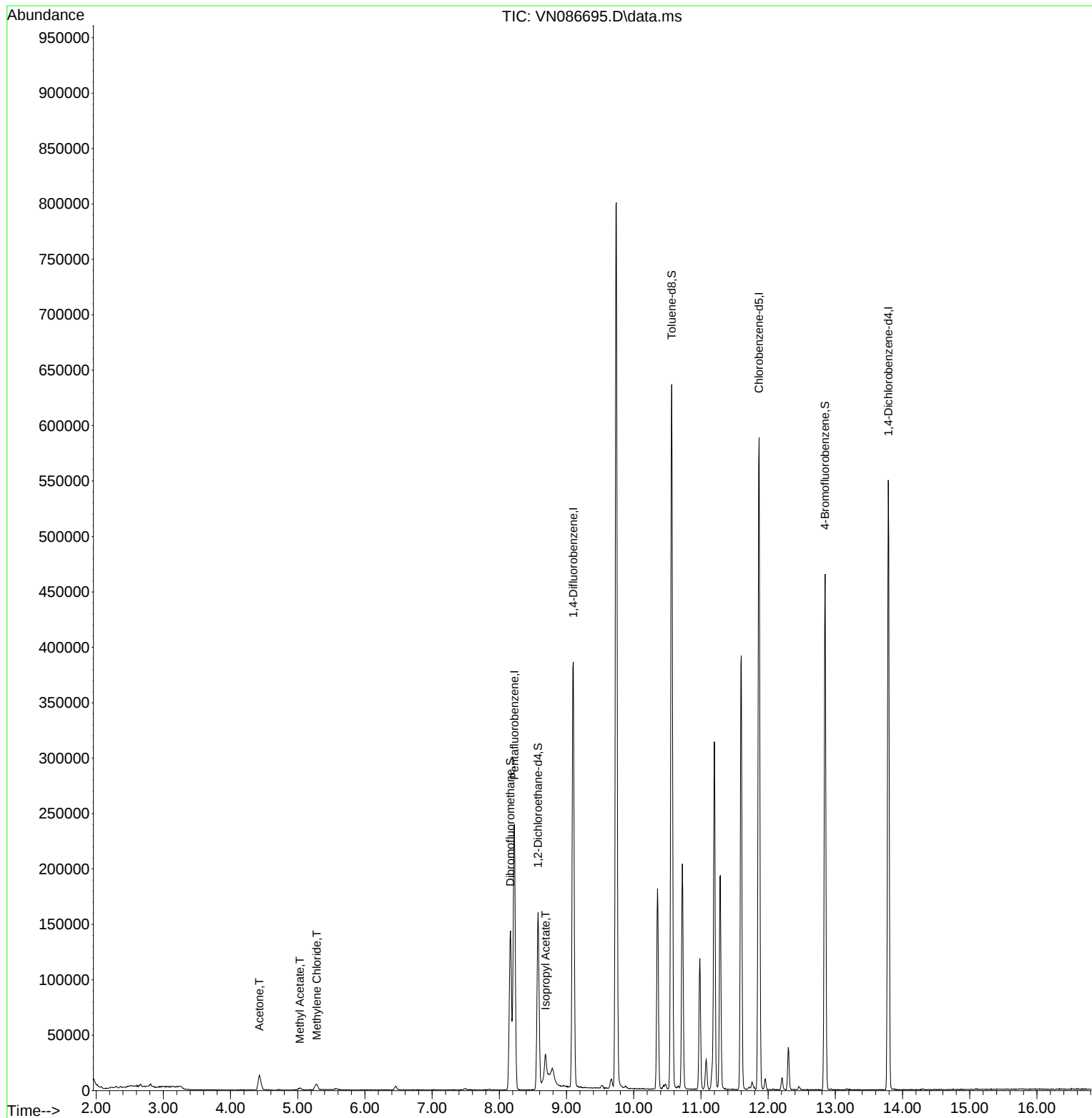
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
Data File : VN086695.D
Acq On : 19 May 2025 17:28
Operator : JC\MD
Sample : PB168034ZHE#12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

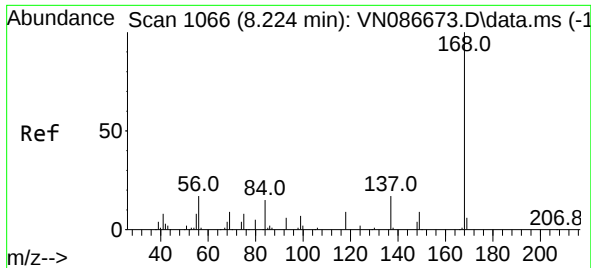
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#12

Manual Integrations
APPROVED

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

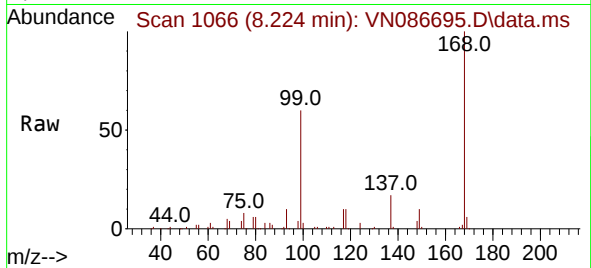
Quant Time: May 20 03:22:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28

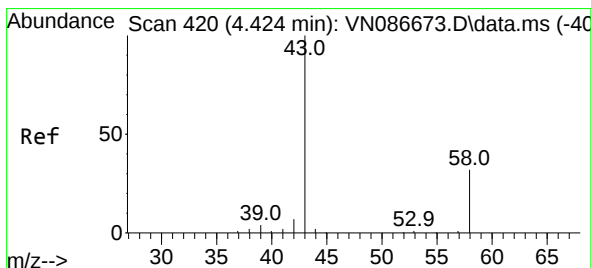
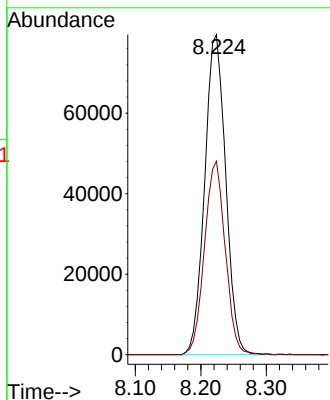
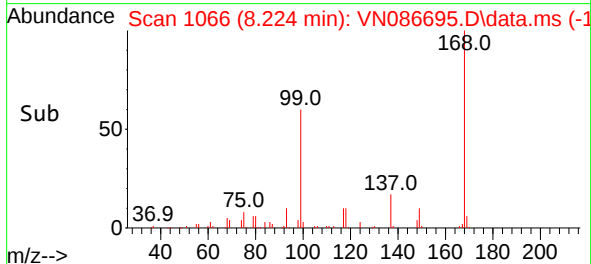
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#12



Tgt Ion:168 Resp: 177284
Ion Ratio Lower Upper
168 100
99 60.5 47.0 70.4

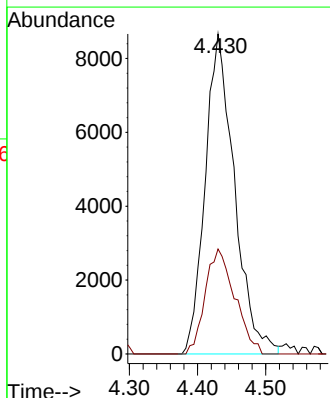
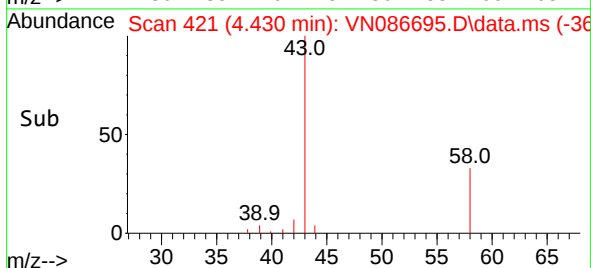
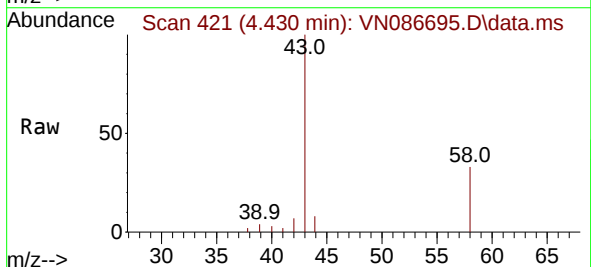
Manual Integrations
APPROVED

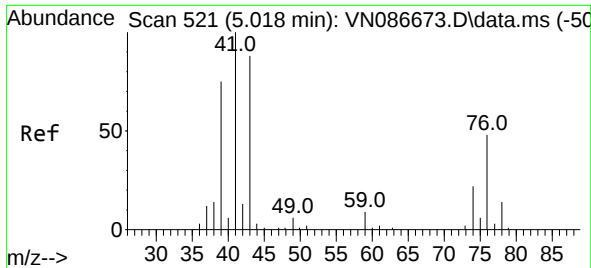
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#16
Acetone
Concen: 28.228 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28

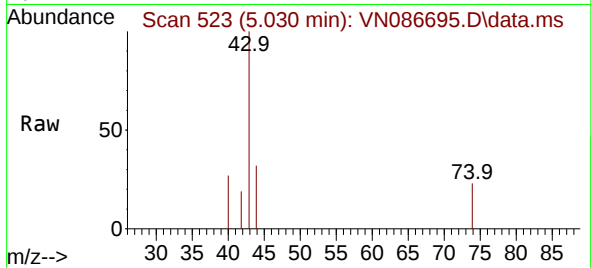
Tgt Ion: 43 Resp: 25867
Ion Ratio Lower Upper
43 100
58 32.8 25.8 38.6





#18
Methyl Acetate
Concen: 1.662 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28

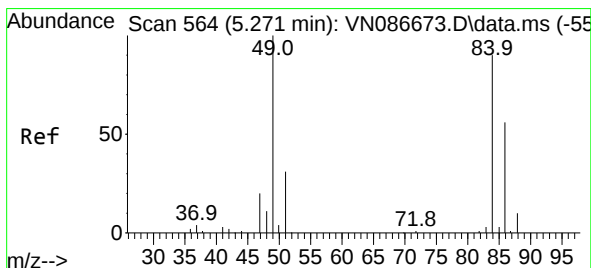
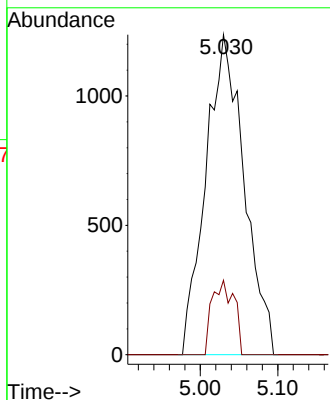
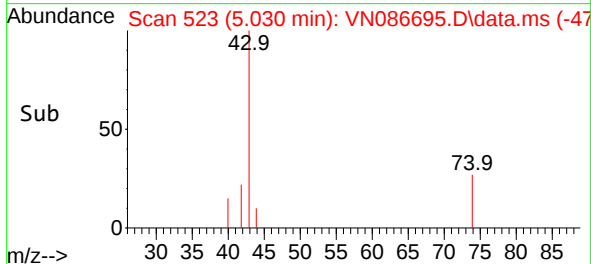
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#12



Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
74 13.2 20.5 30.7

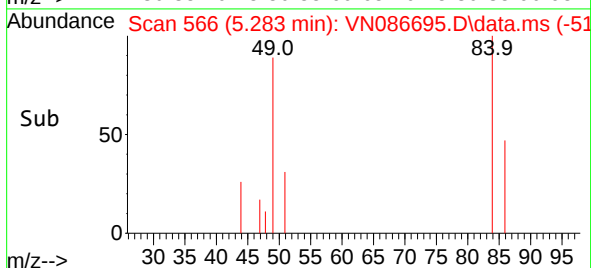
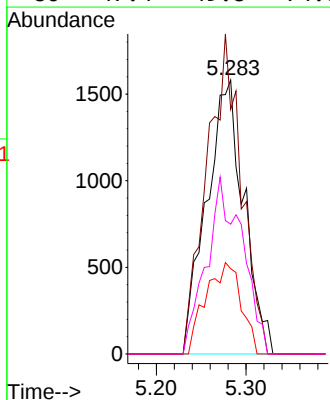
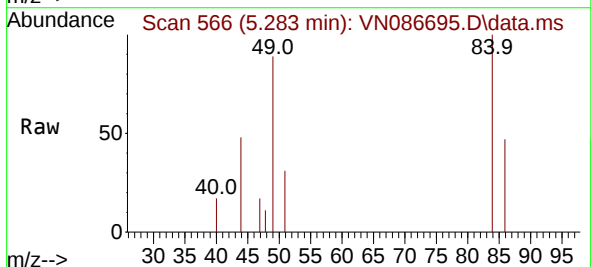
Manual Integrations
APPROVED

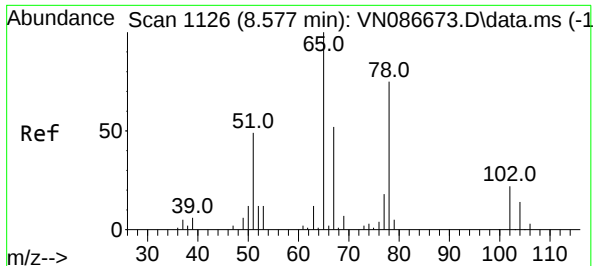
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#20
Methylene Chloride
Concen: 1.884 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28

Tgt Ion: 84 Resp: 4556
Ion Ratio Lower Upper
84 100
49 89.3 88.8 133.2
51 31.2 27.8 41.6
86 47.4 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 53.022 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086695.D

Acq: 19 May 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#12

Tgt Ion: 65 Resp: 129889

Ion Ratio Lower Upper

65 100

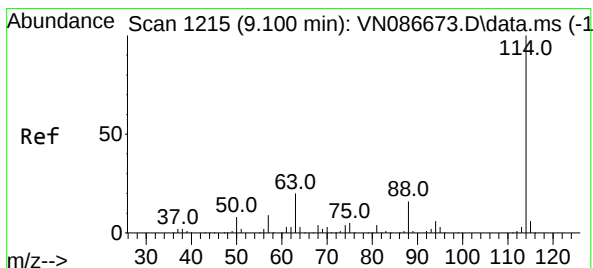
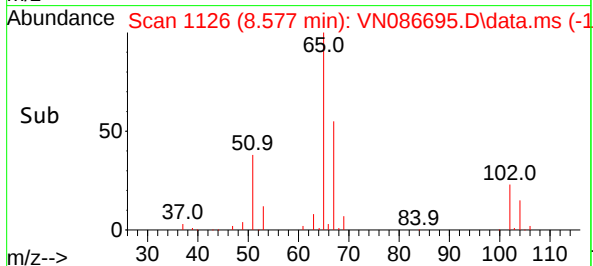
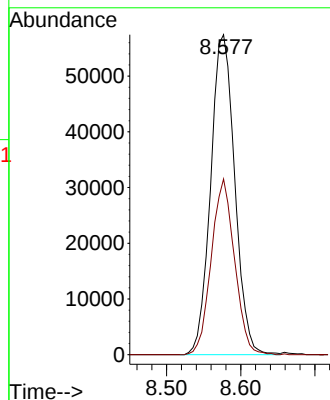
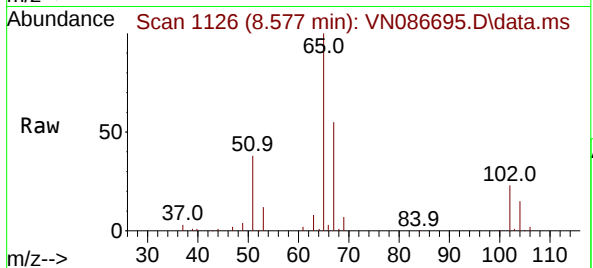
67 52.8 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/21/2025

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: VN086695.D

Acq: 19 May 2025 17:28

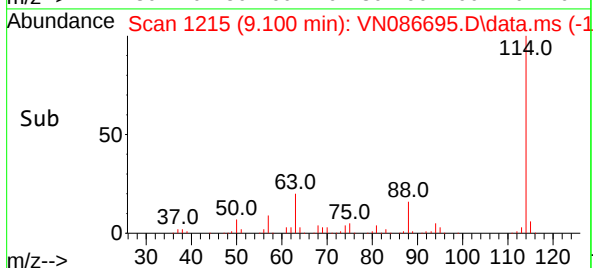
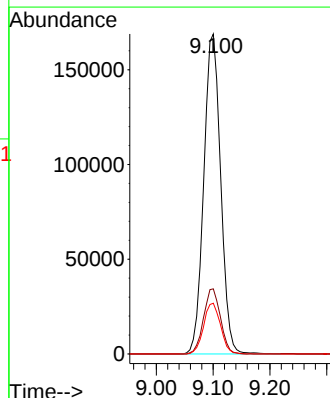
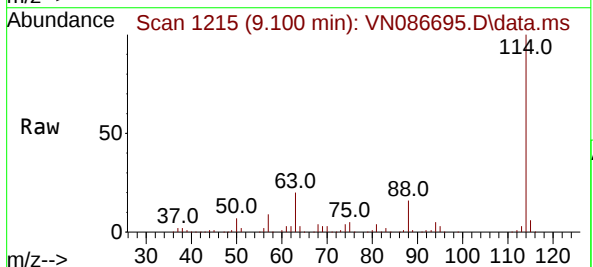
Tgt Ion:114 Resp: 348738

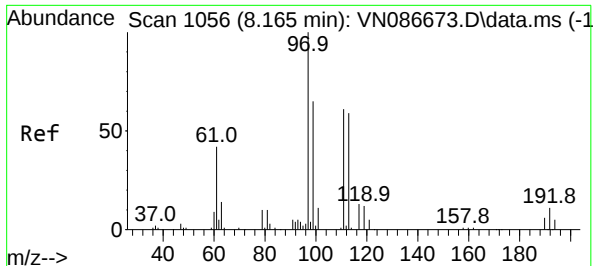
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.018 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086695.D

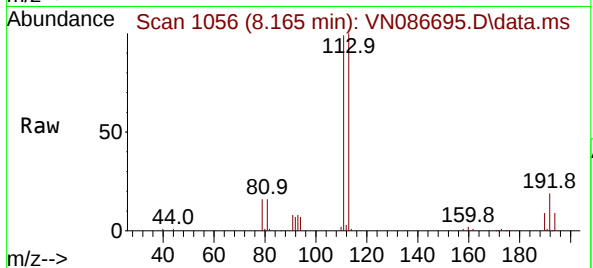
Acq: 19 May 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#12



Tgt Ion: 113 Resp: 10803

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

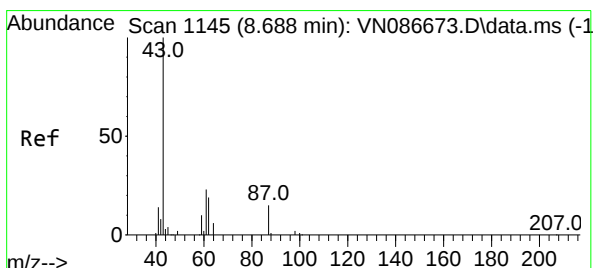
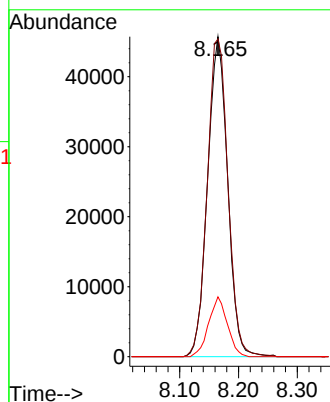
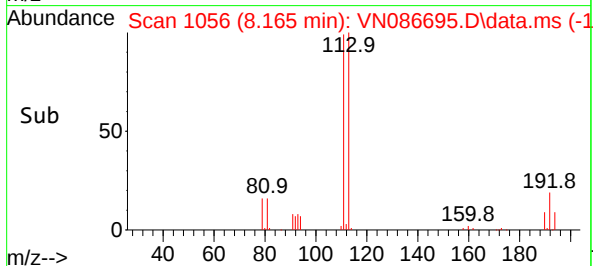
192 17.5 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#43

Isopropyl Acetate

Concen: 6.175 ug/l m

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN086695.D

Acq: 19 May 2025 17:28

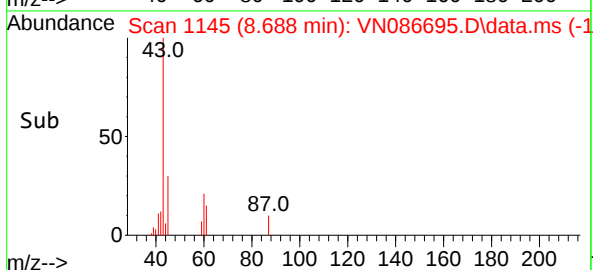
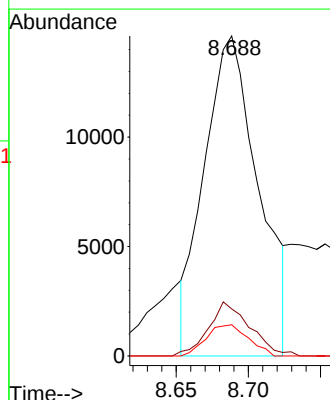
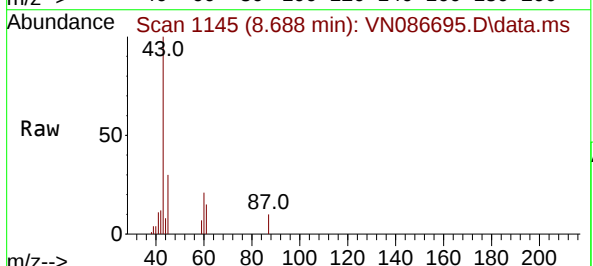
Tgt Ion: 43 Resp: 38310

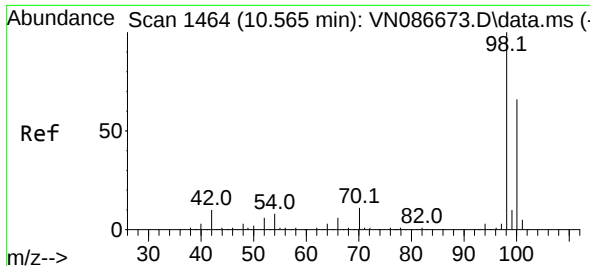
Ion Ratio Lower Upper

43 100

61 12.9 21.4 32.2#

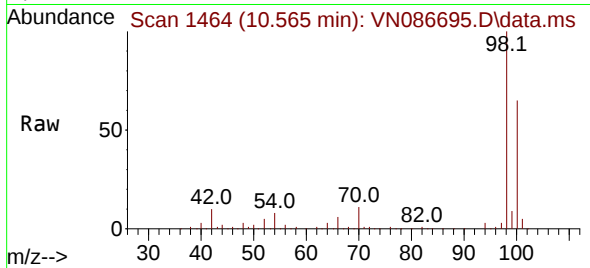
87 7.6 11.1 16.7#





#50
Toluene-d8
Concen: 53.011 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28

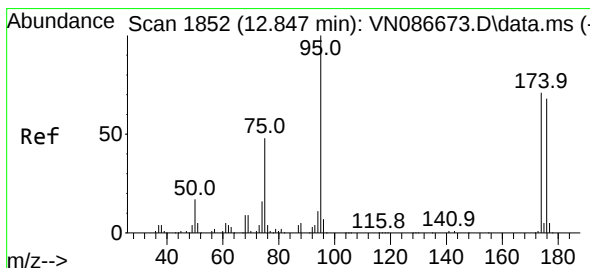
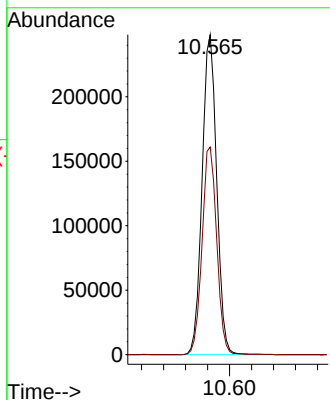
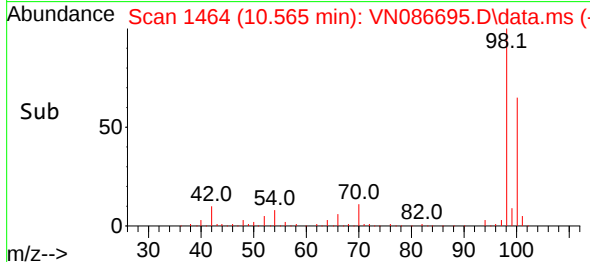
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#12



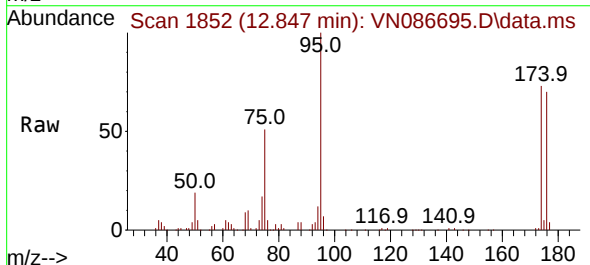
Tgt Ion: 98 Resp: 456250
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3

Manual Integrations
APPROVED

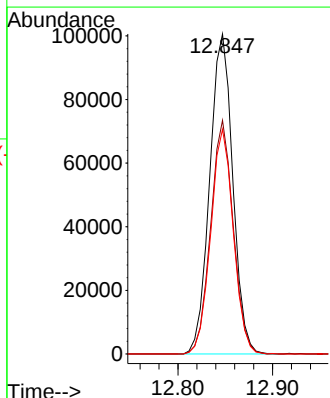
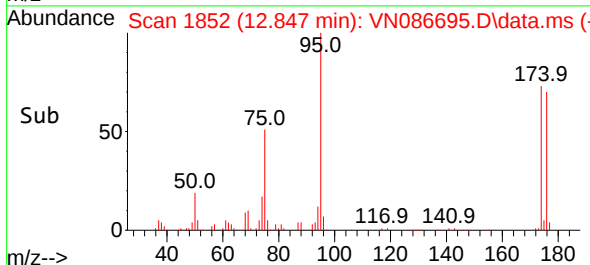
Reviewed By :John Carlone 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

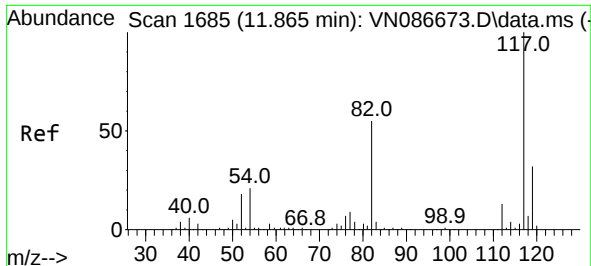


#62
4-Bromofluorobenzene
Concen: 55.952 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28



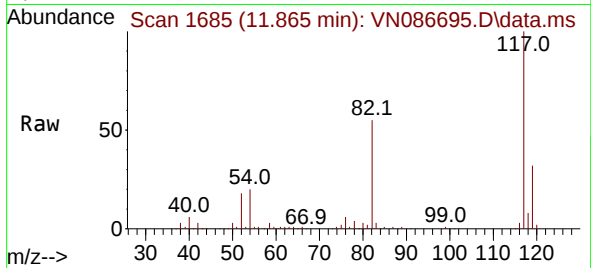
Tgt Ion: 95 Resp: 170036
Ion Ratio Lower Upper
95 100
174 71.7 0.0 145.4
176 68.8 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086695.D
Acq: 19 May 2025 17:28

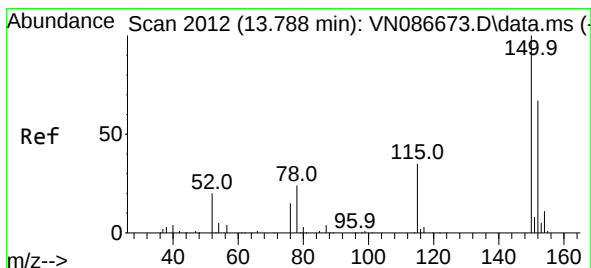
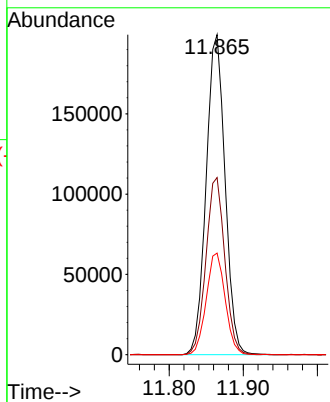
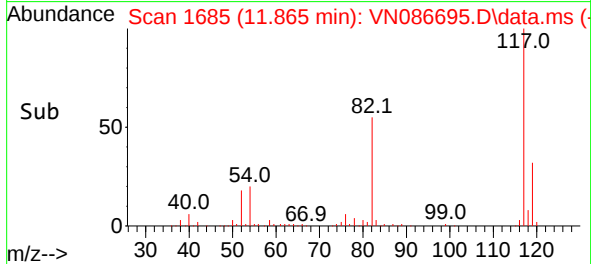
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#12



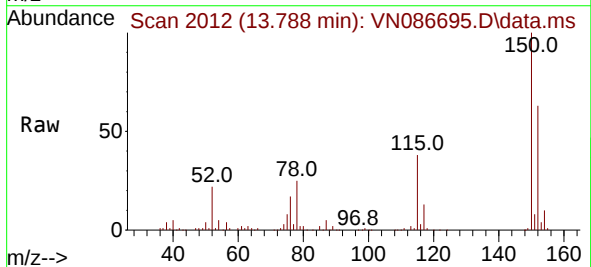
Tgt Ion:117 Resp: 352774
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.7 25.4 38.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/21/2025
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: VN086695.D
Acq: 19 May 2025 17:28



Tgt Ion:152 Resp: 153103
Ion Ratio Lower Upper
152 100
115 62.0 30.0 90.1
150 159.2 0.0 347.8

