

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087558.D
 Acq On : 14 Aug 2025 12:24
 Operator : JC\MD
 Sample : Q2832-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TG-S02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:24:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	239320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	544507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	524154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	236126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	237432	58.470	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.940%			
35) Dibromofluoromethane	8.153	113	173205	46.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.220%			
50) Toluene-d8	10.547	98	631927	47.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.340%			
62) 4-Bromofluorobenzene	12.829	95	229218	46.307	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.620%			
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	61497	32.299	ug/l #	88
18) Methyl Acetate	5.024	43	47562	9.943	ug/l	96
20) Methylene Chloride	5.271	84	19427m	5.466	ug/l	
43) Isopropyl Acetate	8.682	43	20780	1.868	ug/l #	91

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

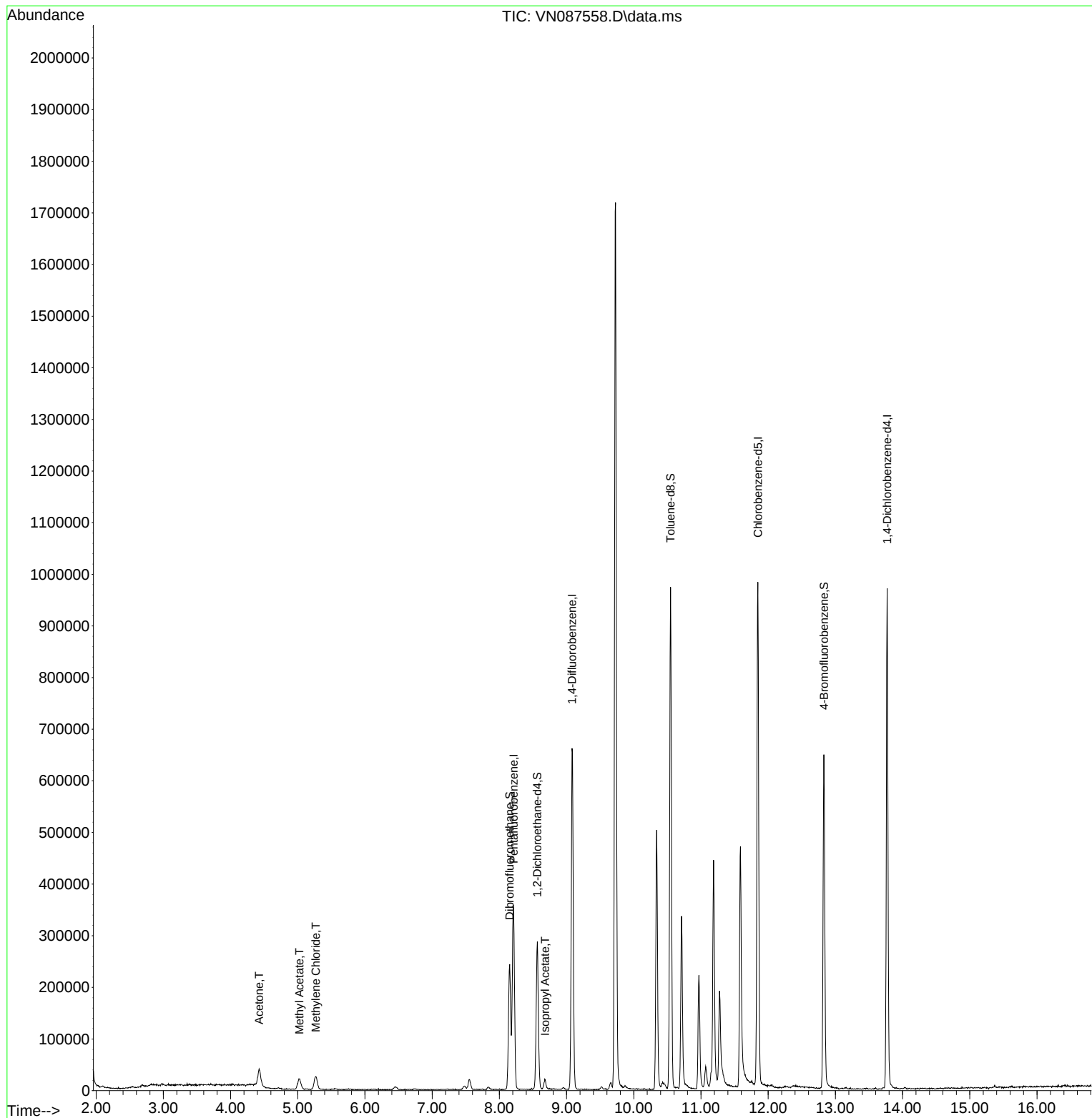
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
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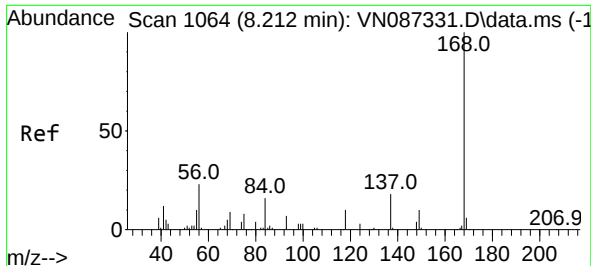
Instrument :
MSVOA_N
ClientSampleId :
TG-S02

Quant Time: Aug 14 15:24:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
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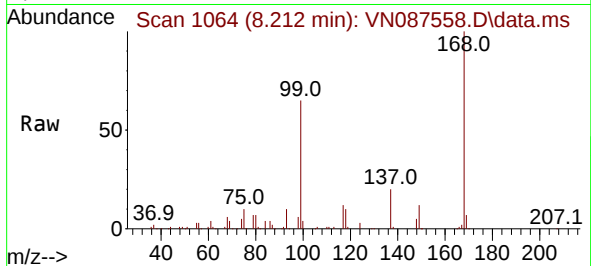
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

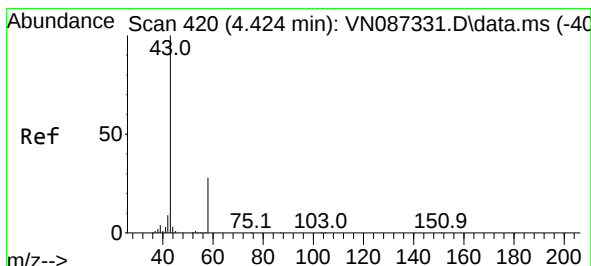
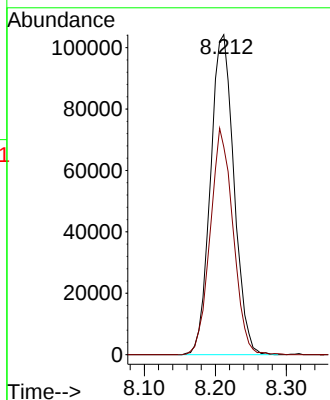
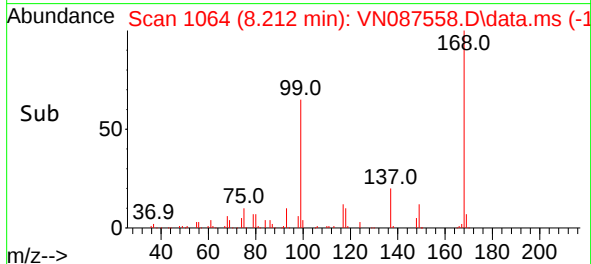
Instrument :
MSVOA_N
ClientSampleId :
TG-S02



Tgt Ion:168 Resp: 239320
Ion Ratio Lower Upper
168 100
99 64.9 47.9 71.9

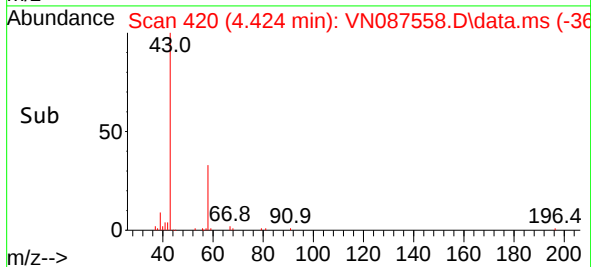
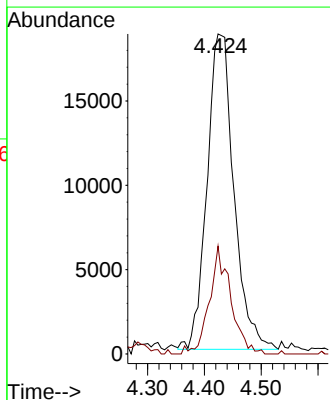
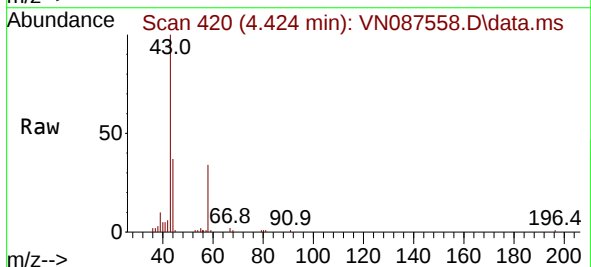
Manual Integrations
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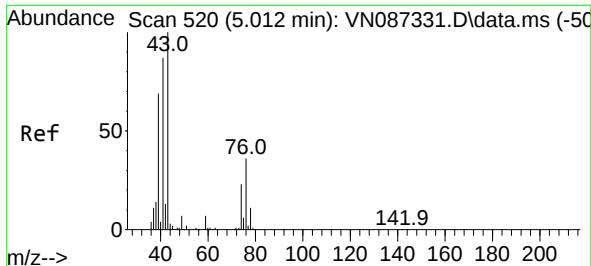
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/19/2025



#16
Acetone
Concen: 32.299 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 43 Resp: 61497
Ion Ratio Lower Upper
43 100
58 34.2 22.3 33.5#





#18

Methyl Acetate

Concen: 9.943 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN087558.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_N

ClientSampleId :

TG-S02

Tgt Ion: 43 Resp: 47562

Ion Ratio Lower Upper

43 100

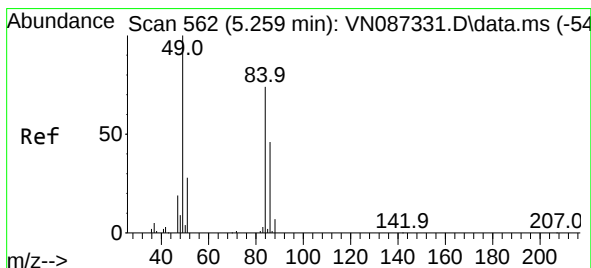
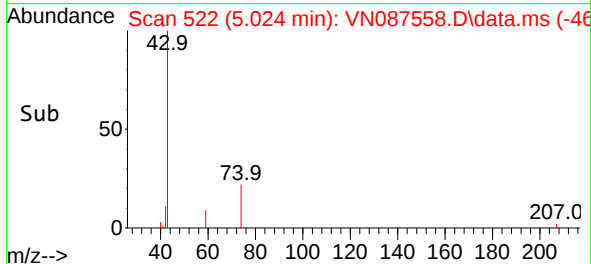
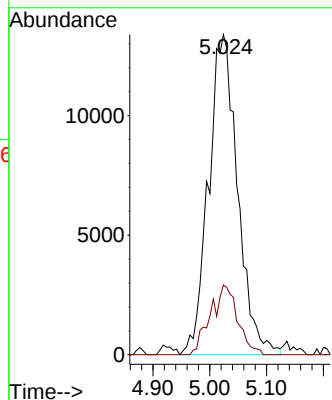
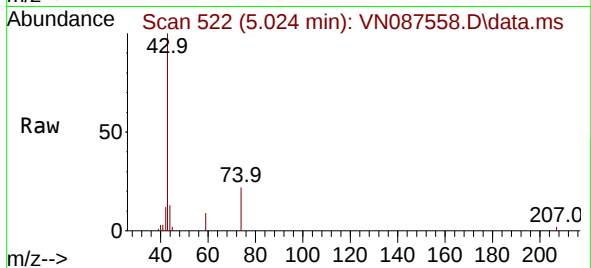
74 20.5 17.8 26.6

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#20

Methylene Chloride

Concen: 5.466 ug/l m

RT: 5.271 min Scan# 564

Delta R.T. 0.012 min

Lab File: VN087558.D

Acq: 14 Aug 2025 12:24

Tgt Ion: 84 Resp: 19427

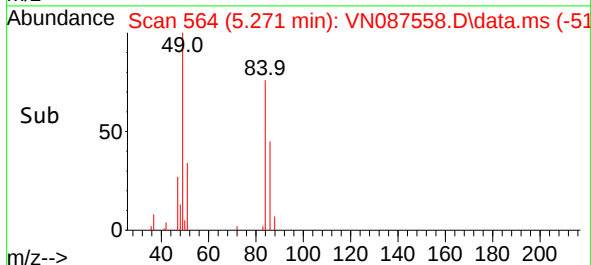
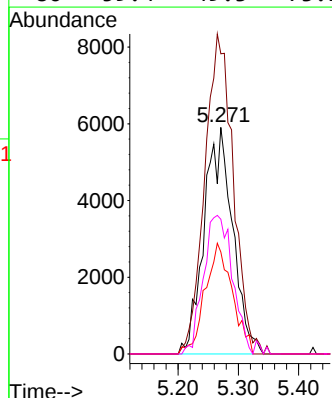
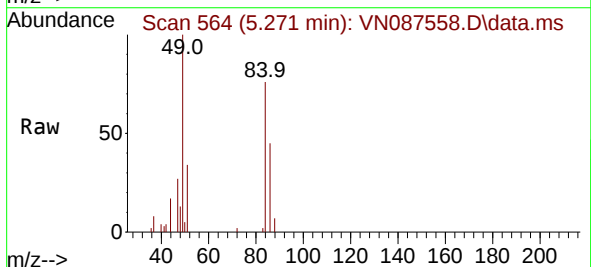
Ion Ratio Lower Upper

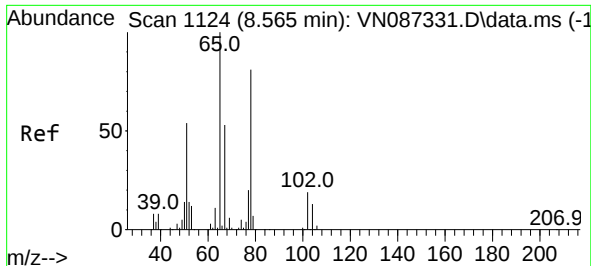
84 100

49 132.4 107.5 161.3

51 45.0 30.2 45.2

86 59.4 49.3 73.9





#33

1,2-Dichloroethane-d4

Concen: 58.470 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087558.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_N

ClientSampleId :

TG-S02

Tgt Ion: 65 Resp: 23743

Ion Ratio Lower Upper

65 100

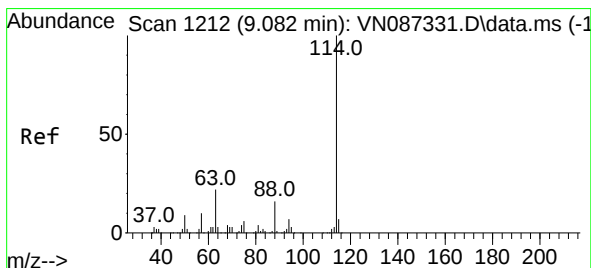
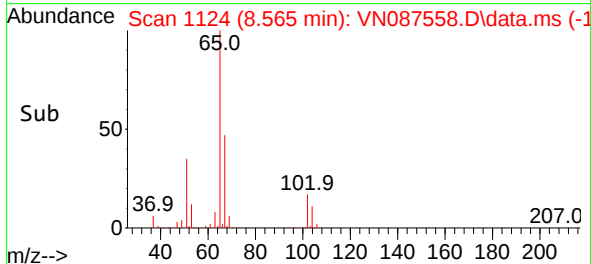
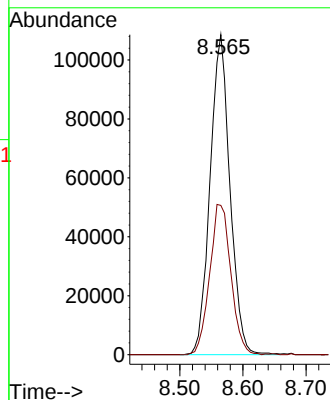
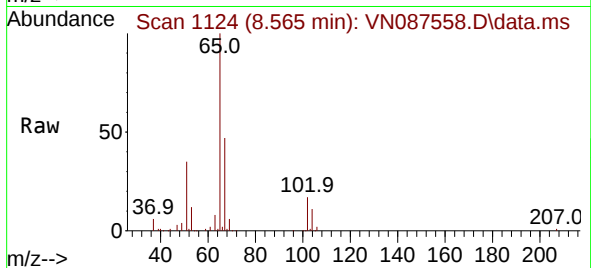
67 50.0 0.0 104.0

Manual Integrations

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Supervised By :Mahesh Dadoda 08/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087558.D

Acq: 14 Aug 2025 12:24

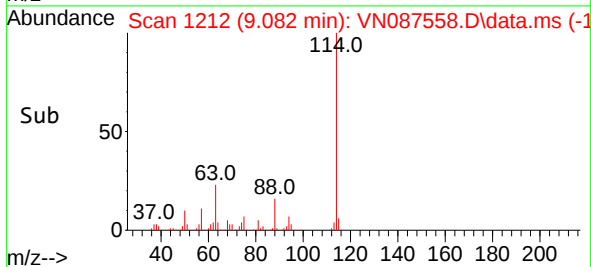
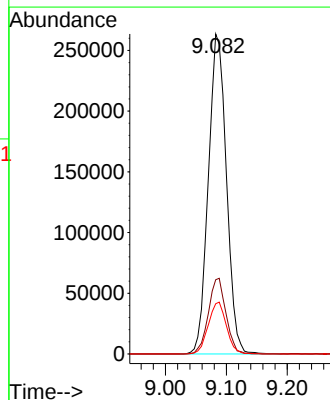
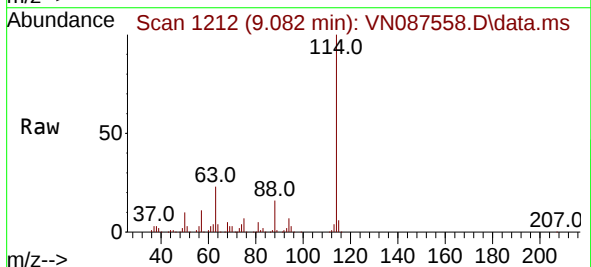
Tgt Ion:114 Resp: 544507

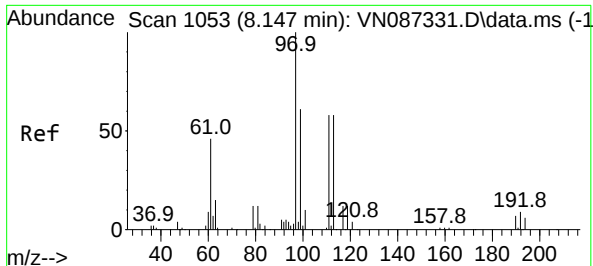
Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

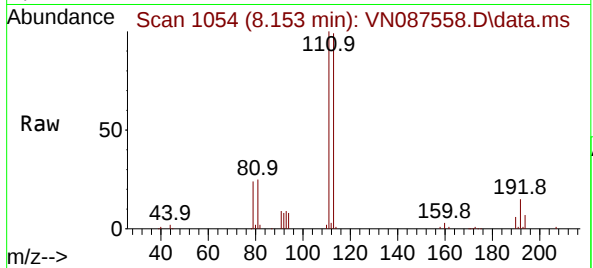
88 15.7 0.0 32.8





#35
Dibromofluoromethane
Concen: 46.114 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

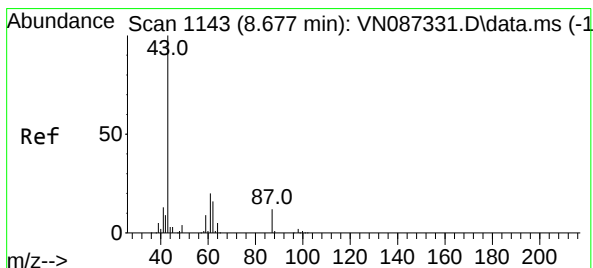
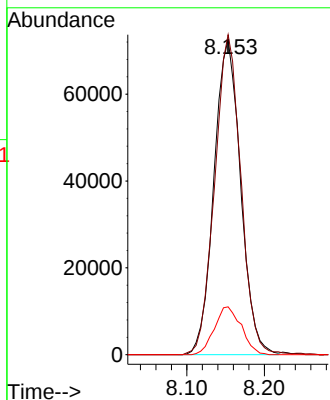
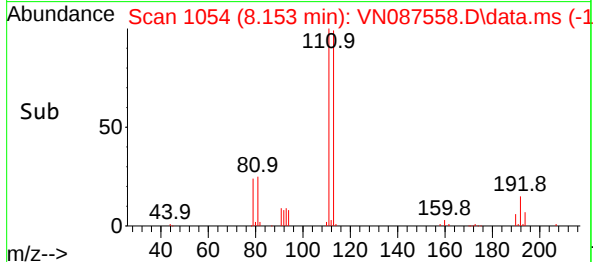
Instrument :
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TG-S02



Tgt Ion: 113 Resp: 17320
Ion Ratio Lower Upper
113 100
111 99.7 82.5 123.7
192 15.4 13.7 20.5

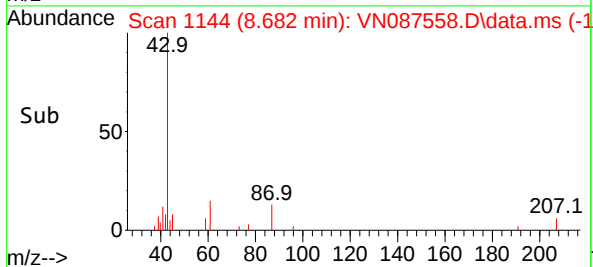
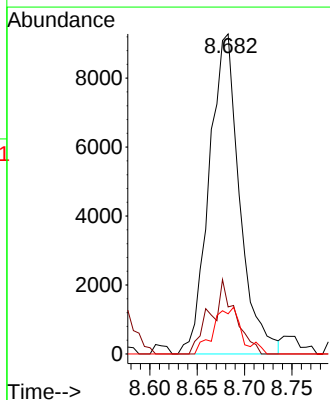
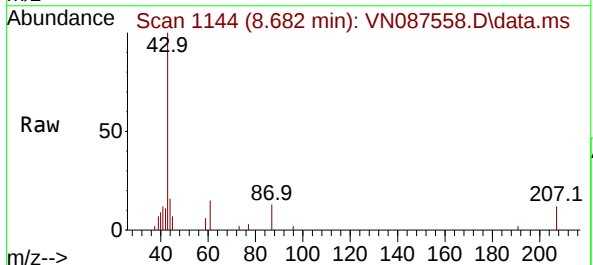
Manual Integrations
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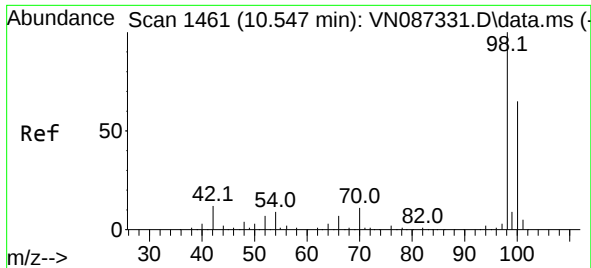
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/19/2025



#43
Isopropyl Acetate
Concen: 1.868 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

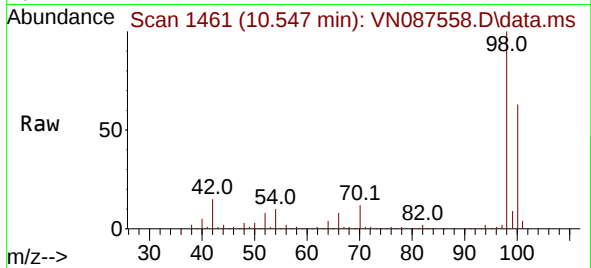
Tgt Ion: 43 Resp: 20780
Ion Ratio Lower Upper
43 100
61 19.1 19.8 29.8#
87 13.5 9.8 14.6





#50
Toluene-d8
Concen: 47.165 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

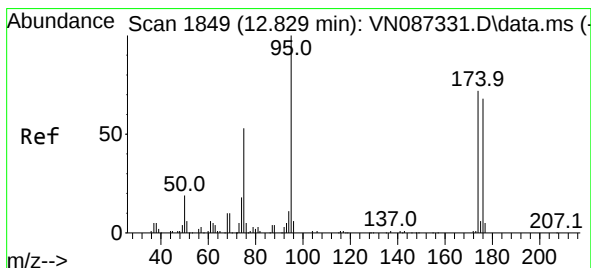
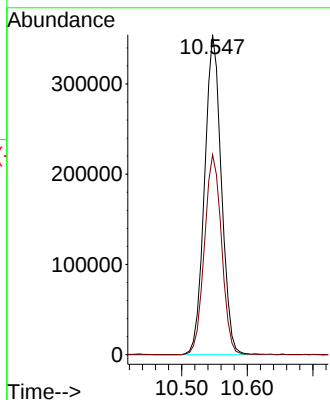
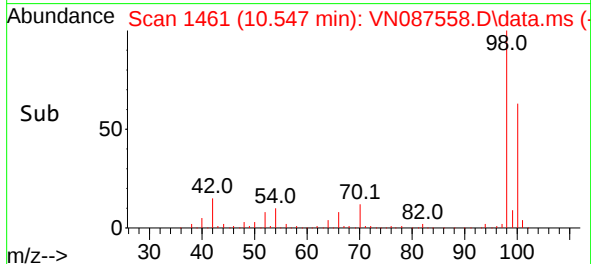
Instrument :
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TG-S02



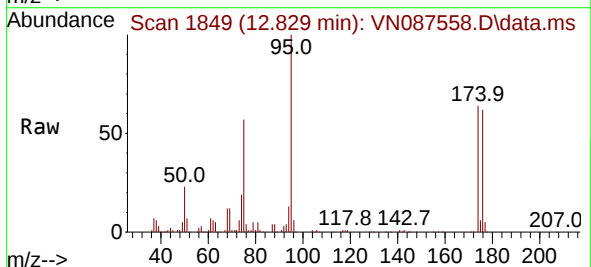
Tgt Ion: 98 Resp: 631927
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

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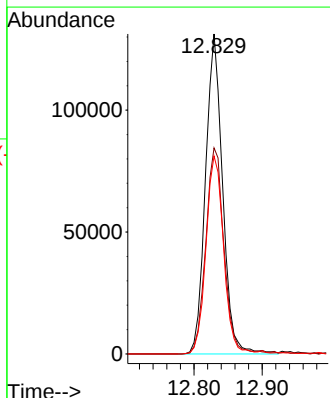
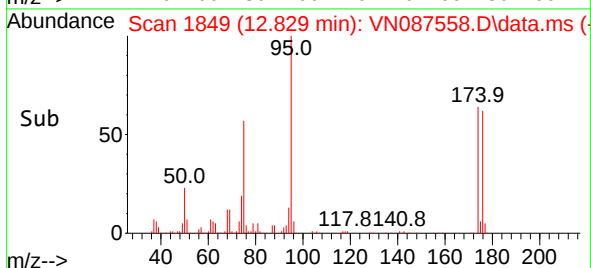
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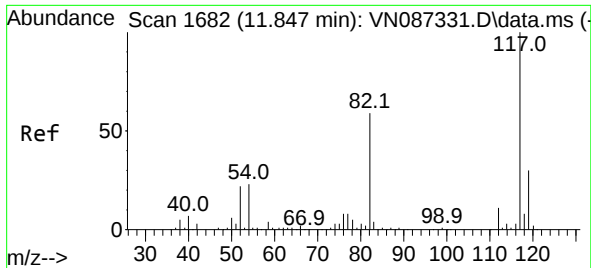


#62
4-Bromofluorobenzene
Concen: 46.307 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24



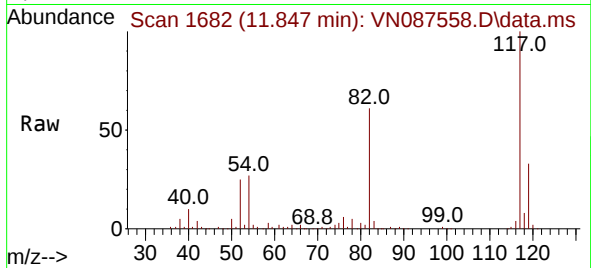
Tgt Ion: 95 Resp: 229218
Ion Ratio Lower Upper
95 100
174 69.0 0.0 149.4
176 63.9 0.0 141.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

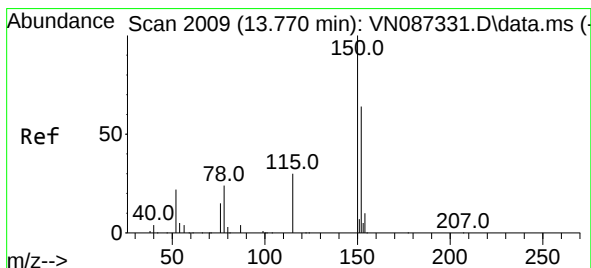
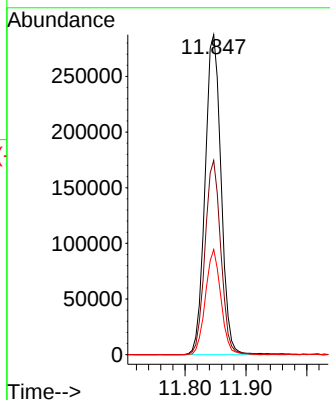
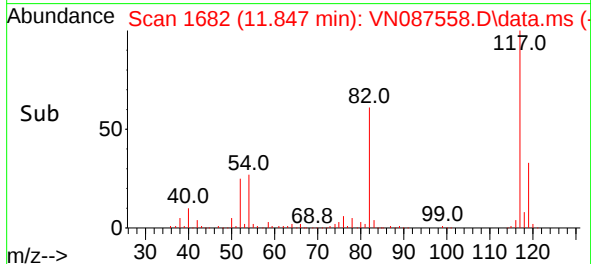
Instrument :
MSVOA_N
ClientSampleId :
TG-S02



Tgt Ion:117 Resp: 524154
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.9 23.8 35.8

Manual Integrations
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Supervised By :Mahesh Dadoda 08/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087558.D
Acq: 14 Aug 2025 12:24

Tgt Ion:152 Resp: 236126
Ion Ratio Lower Upper
152 100
115 64.4 31.1 93.5
150 157.1 0.0 349.0

