

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086558.D
 Acq On : 09 May 2025 13:31
 Operator : JC\MD
 Sample : Q1939-03RE
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2RE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:26:59 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	8.218	168	160486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110945	47.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.340%			
35) Dibromofluoromethane	8.159	113	87540	62.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 125.540%#			
50) Toluene-d8	10.565	98	388474	52.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.847	95	140109	51.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						
					Qvalue	
18) Methyl Acetate	5.018	43	10663	3.817	ug/l #	70
39) Methylcyclohexane	9.600	83	17676	5.339	ug/l	96
79) 2-Chlorotoluene	13.123	91	72183	9.142	ug/l	98
82) 4-Chlorotoluene	13.218	91	42374	5.403	ug/l	97
85) sec-Butylbenzene	13.612	105	10910	1.036	ug/l #	74
95) Naphthalene	15.635	128	10333m	1.408	ug/l	

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

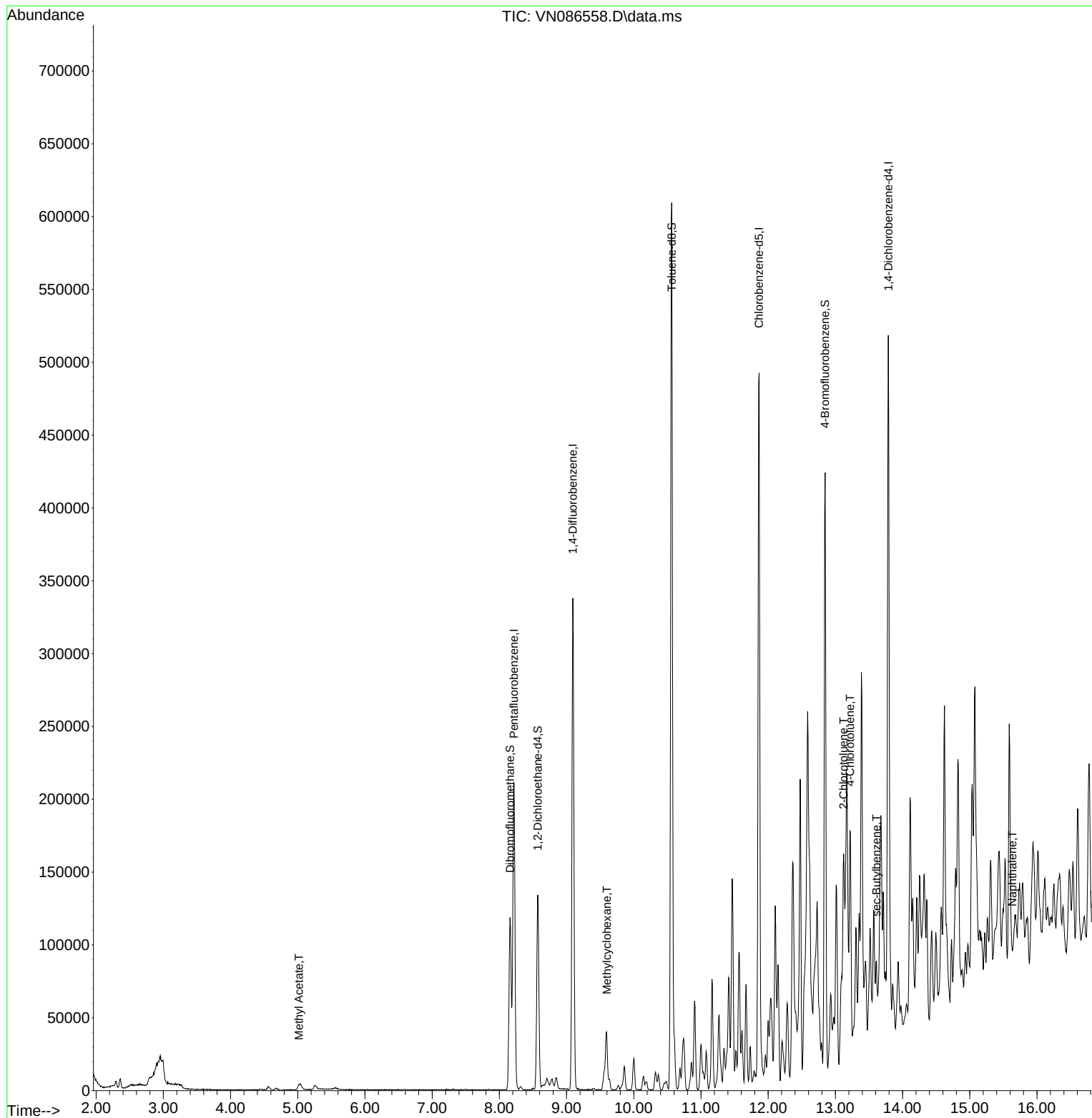
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086558.D
Acq On : 09 May 2025 13:31
Operator : JC\MD
Sample : Q1939-03RE
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

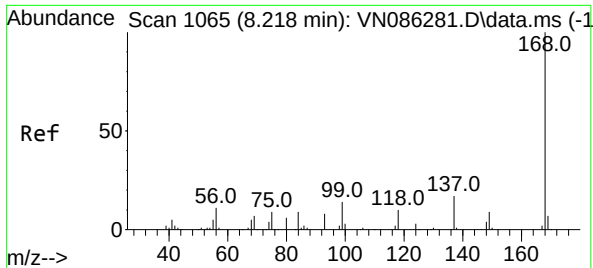
Instrument :
MSVOA_N
ClientSampleId :
GB2RE

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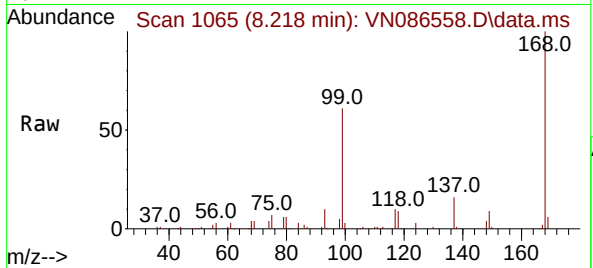
Quant Time: May 09 23:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

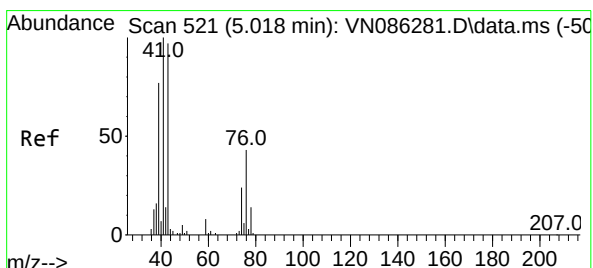
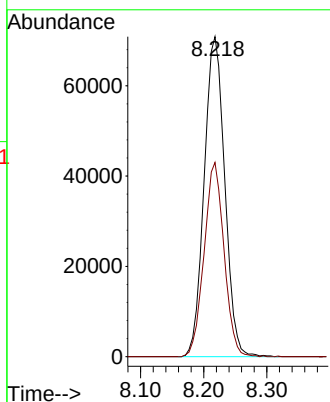
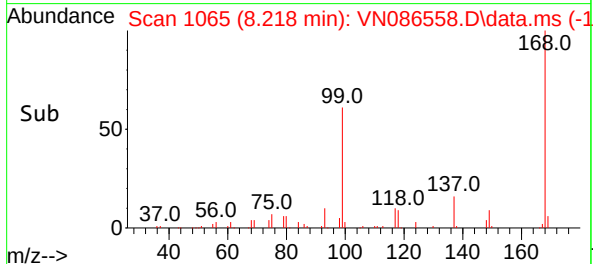
Instrument :
MSVOA_N
ClientSampleId :
GB2RE



Tgt Ion:168 Resp: 160480
Ion Ratio Lower Upper
168 100
99 60.7 52.5 78.7

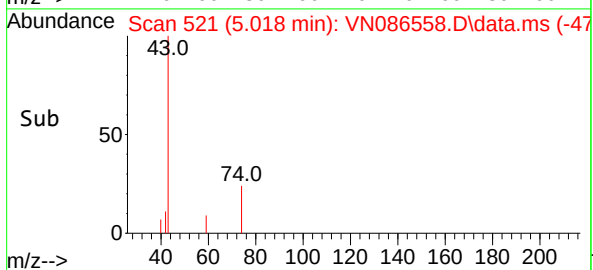
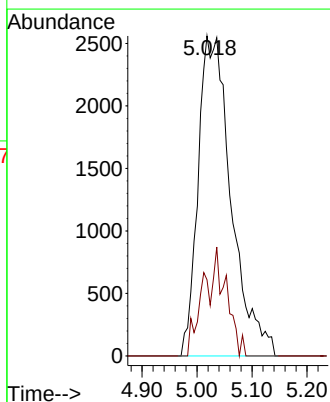
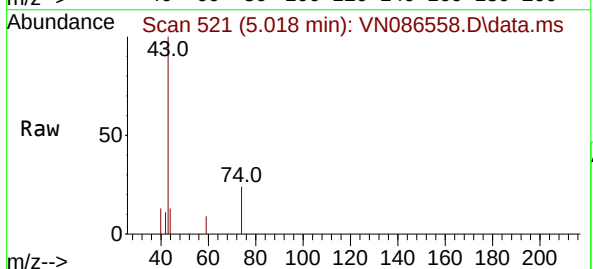
Manual Integrations
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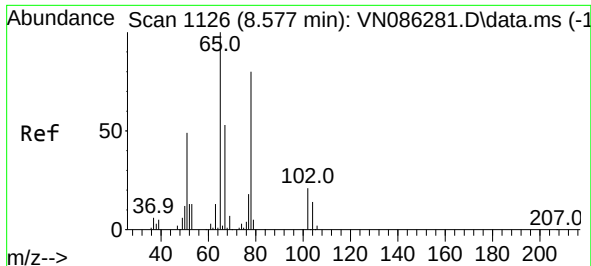
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#18
Methyl Acetate
Concen: 3.817 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 43 Resp: 10663
Ion Ratio Lower Upper
43 100
74 9.7 19.8 29.6#





#33

1,2-Dichloroethane-d4

Concen: 47.673 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086558.D

Acq: 09 May 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

GB2RE

Tgt Ion: 65 Resp: 11094

Ion Ratio Lower Upper

65 100

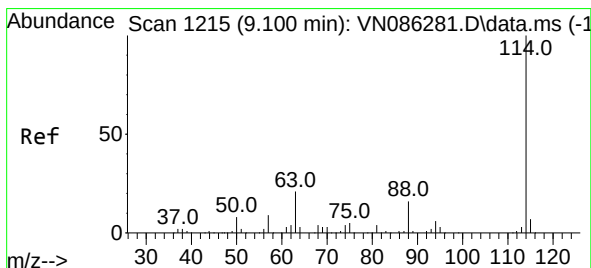
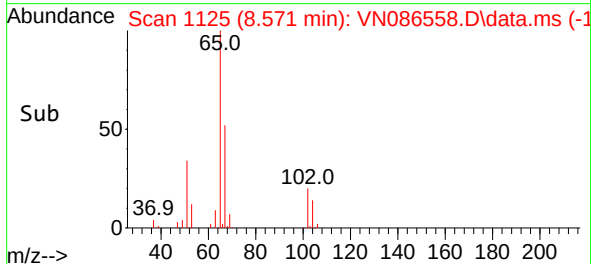
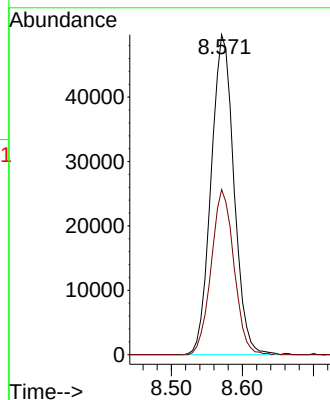
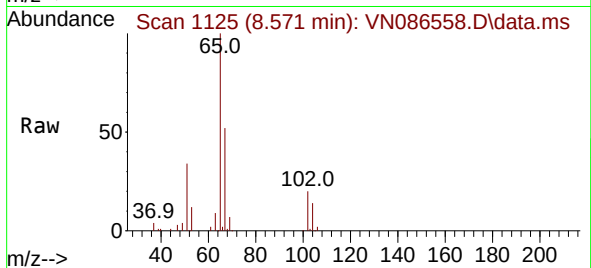
67 51.3 0.0 106.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086558.D

Acq: 09 May 2025 13:31

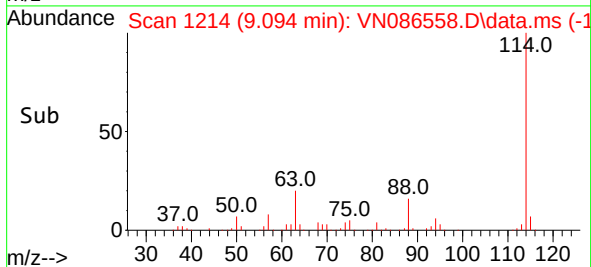
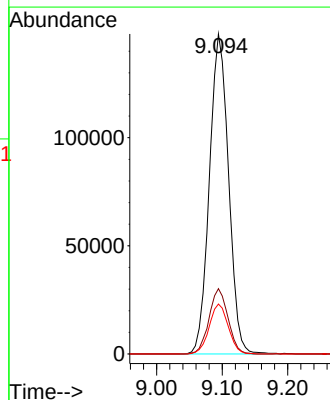
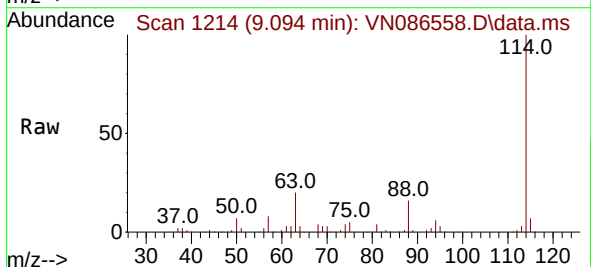
Tgt Ion:114 Resp: 300494

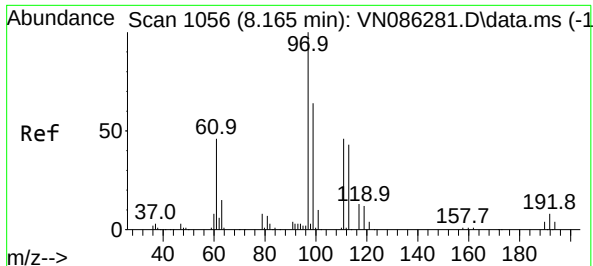
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 62.769 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086558.D

Acq: 09 May 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

GB2RE

Tgt Ion: 113 Resp: 87540

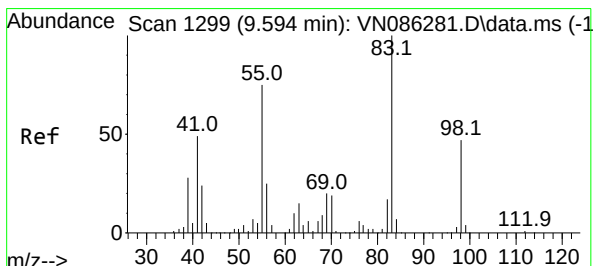
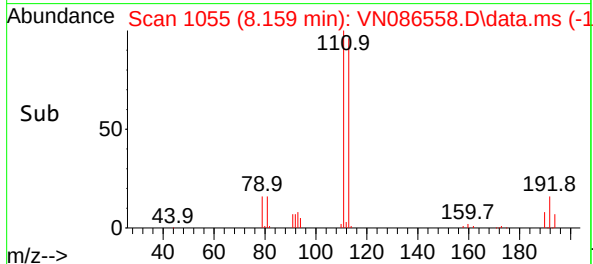
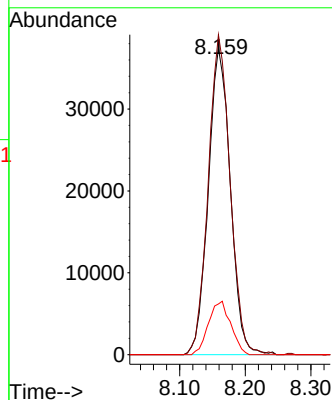
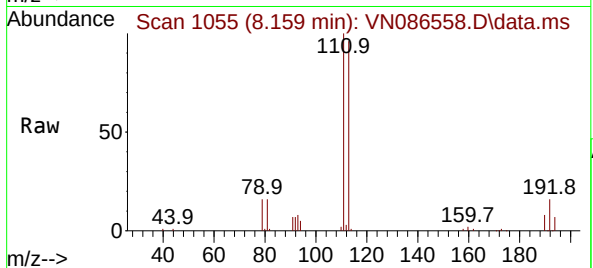
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.0
192	17.6	13.7	20.5

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Supervised By :Mahesh Dadoda 05/12/2025



#39

Methylcyclohexane

Concen: 5.339 ug/l

RT: 9.600 min Scan# 1300

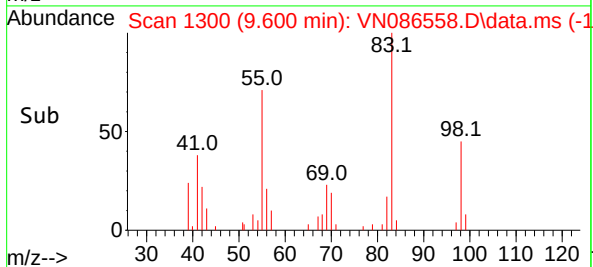
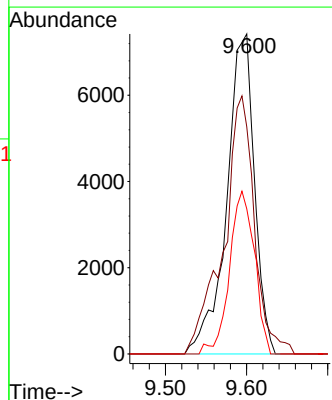
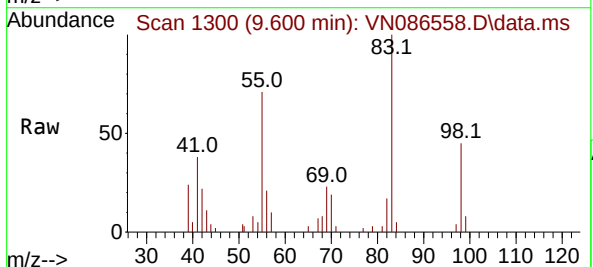
Delta R.T. 0.006 min

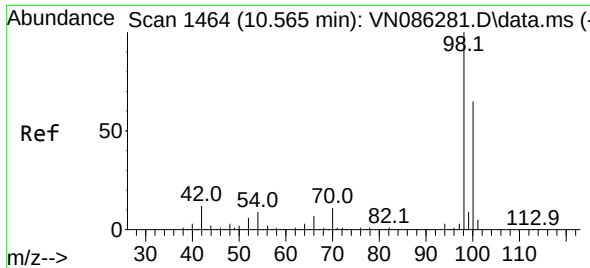
Lab File: VN086558.D

Acq: 09 May 2025 13:31

Tgt Ion: 83 Resp: 17676

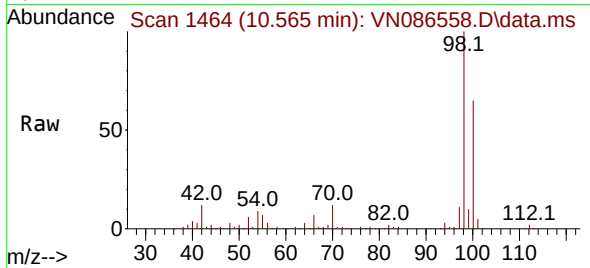
Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.8	89.8
98	45.4	37.9	56.9





#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

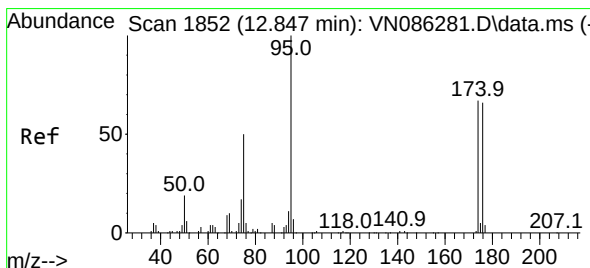
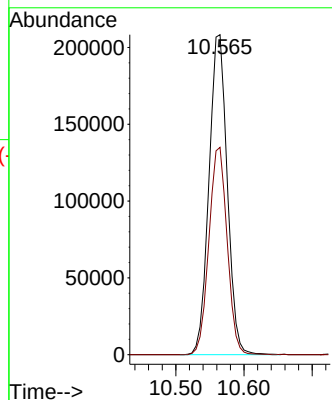
Instrument :
MSVOA_N
ClientSampleId :
GB2RE



Tgt Ion: 98 Resp: 388474
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7

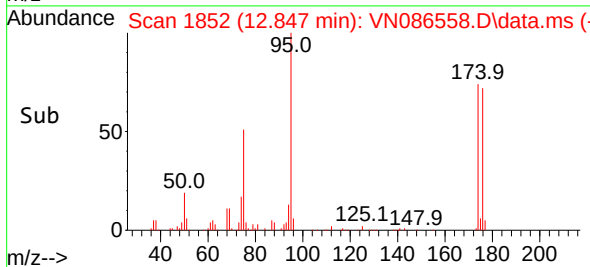
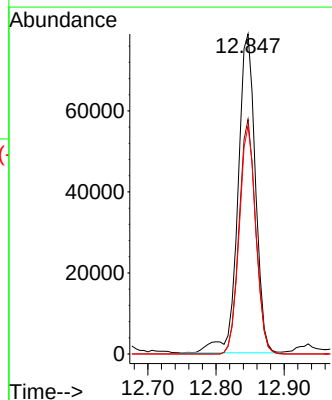
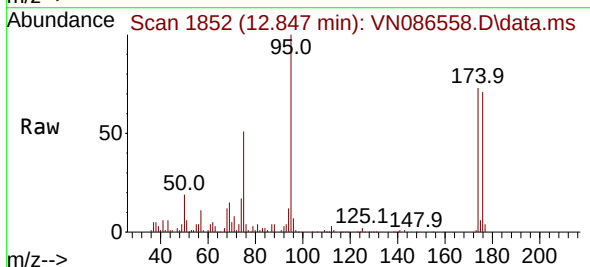
Manual Integrations
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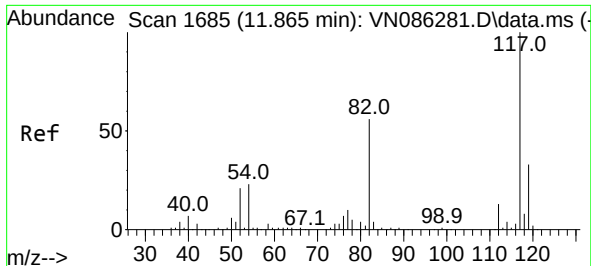
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

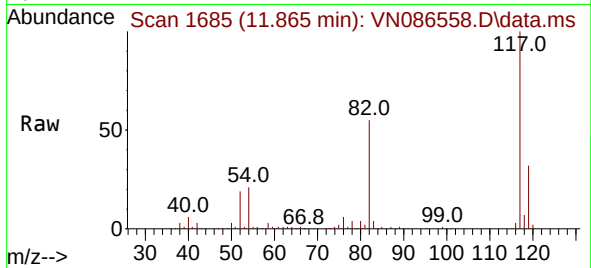
Tgt Ion: 95 Resp: 140109
Ion Ratio Lower Upper
95 100
174 69.4 0.0 133.4
176 67.8 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

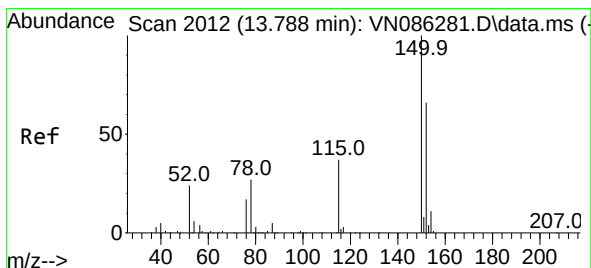
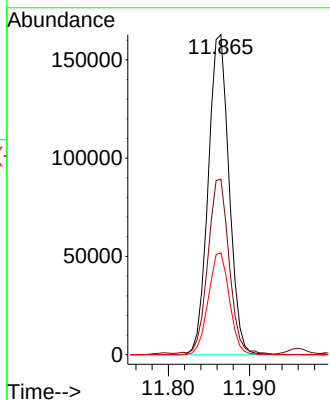
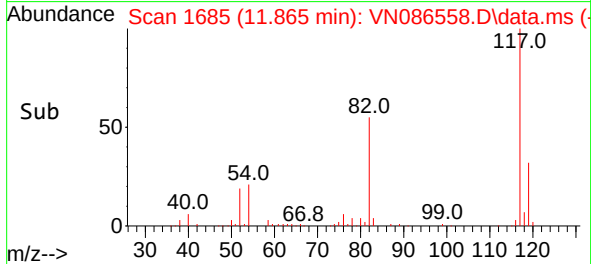
Instrument :
MSVOA_N
ClientSampleId :
GB2RE



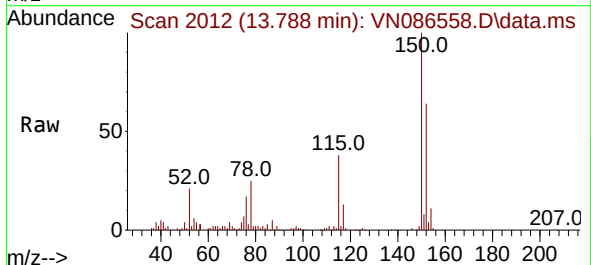
Tgt Ion:117 Resp: 289880
Ion Ratio Lower Upper
117 100
82 54.5 44.7 67.1
119 31.8 26.4 39.6

Manual Integrations
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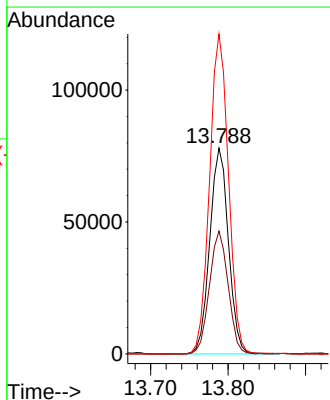
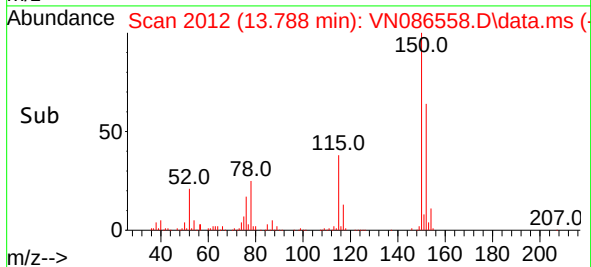
Reviewed By :John Carlone 05/12/2025
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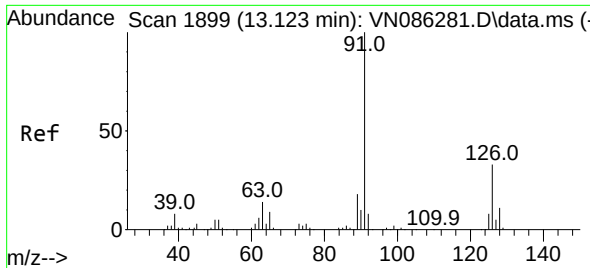


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31



Tgt Ion:152 Resp: 130900
Ion Ratio Lower Upper
152 100
115 59.6 31.9 95.9
150 156.8 0.0 352.0





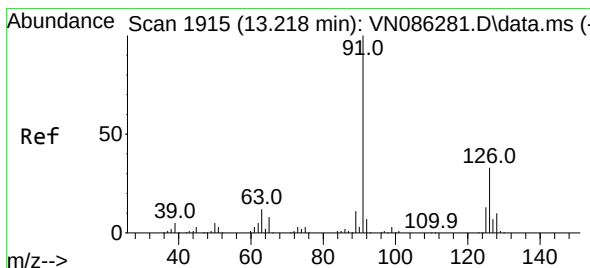
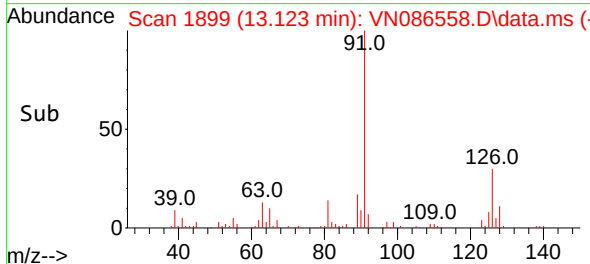
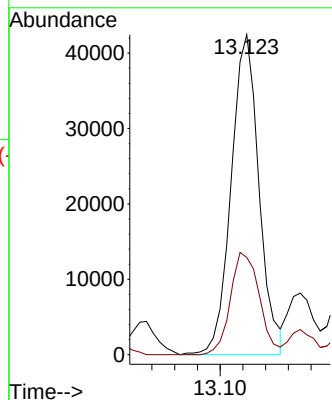
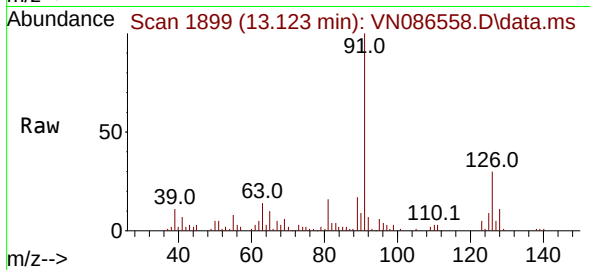
#79
2-Chlorotoluene
Concen: 9.142 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Tgt Ion: 91 Resp: 7218
Ion Ratio Lower Upper
91 100
126 33.3 16.1 48.2

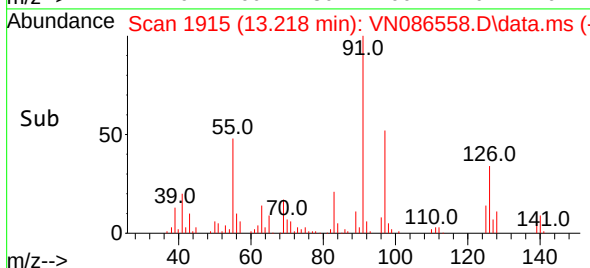
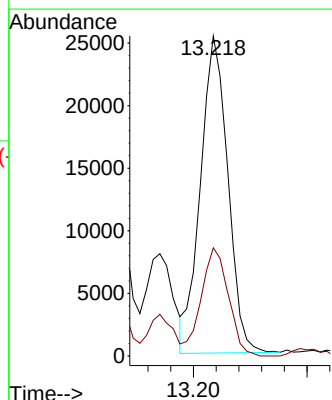
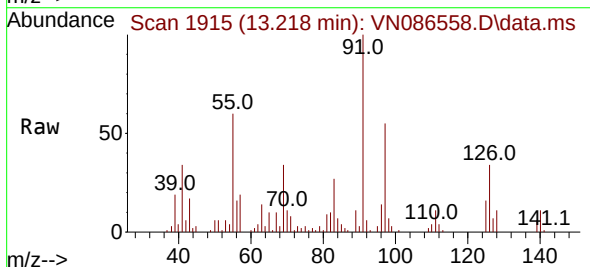
Manual Integrations
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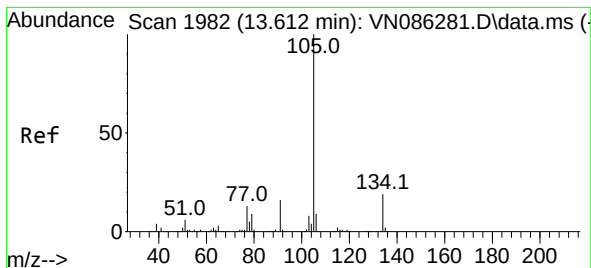
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#82
4-Chlorotoluene
Concen: 5.403 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 91 Resp: 42374
Ion Ratio Lower Upper
91 100
126 34.1 16.2 48.6





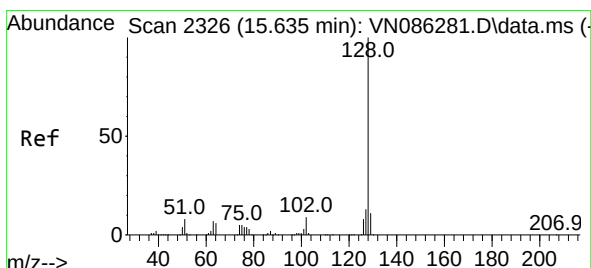
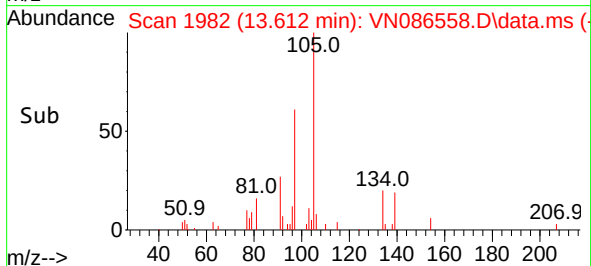
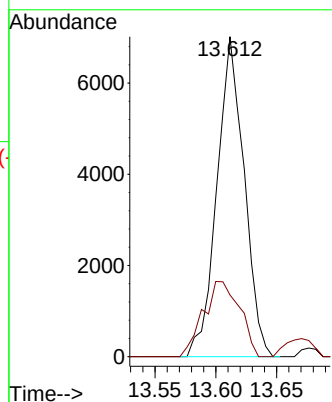
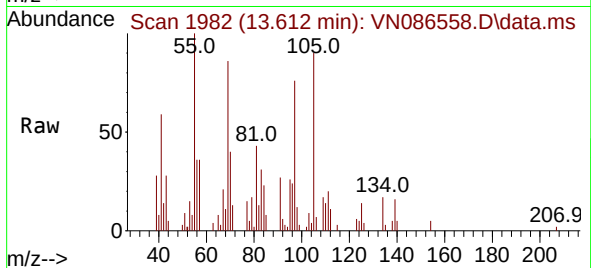
#85
 sec-Butylbenzene
 Concen: 1.036 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086558.D
 Acq: 09 May 2025 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2RE

Tgt Ion:105 Resp: 10910
 Ion Ratio Lower Upper
 105 100
 134 31.4 9.7 29.1

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 Supervised By :Mahesh Dadoda 05/12/2025



#95
 Naphthalene
 Concen: 1.408 ug/l m
 RT: 15.635 min Scan# 2326
 Delta R.T. 0.000 min
 Lab File: VN086558.D
 Acq: 09 May 2025 13:31

Tgt Ion:128 Resp: 10333
 Ion Ratio Lower Upper
 128 100
 127 19.2 10.2 15.4#
 129 7.6 8.6 13.0#

