

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087434.D
 Acq On : 28 Jul 2025 15:58
 Operator : JC\MD
 Sample : Q2683-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2025
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 16:15:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	57443	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	317790	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	276088	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	136994	31.187	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.967%
60) 4-Bromofluorobenzene	12.829	95	132856	29.304	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.667%
63) Toluene-d8	10.547	98	390692	30.814	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.700%
Target Compounds						
25) Chloroform	7.959	83	11922m	1.788	ug/l	Qvalue
53) Dibromochloromethane	11.335	129	6068	1.508	ug/l	94

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

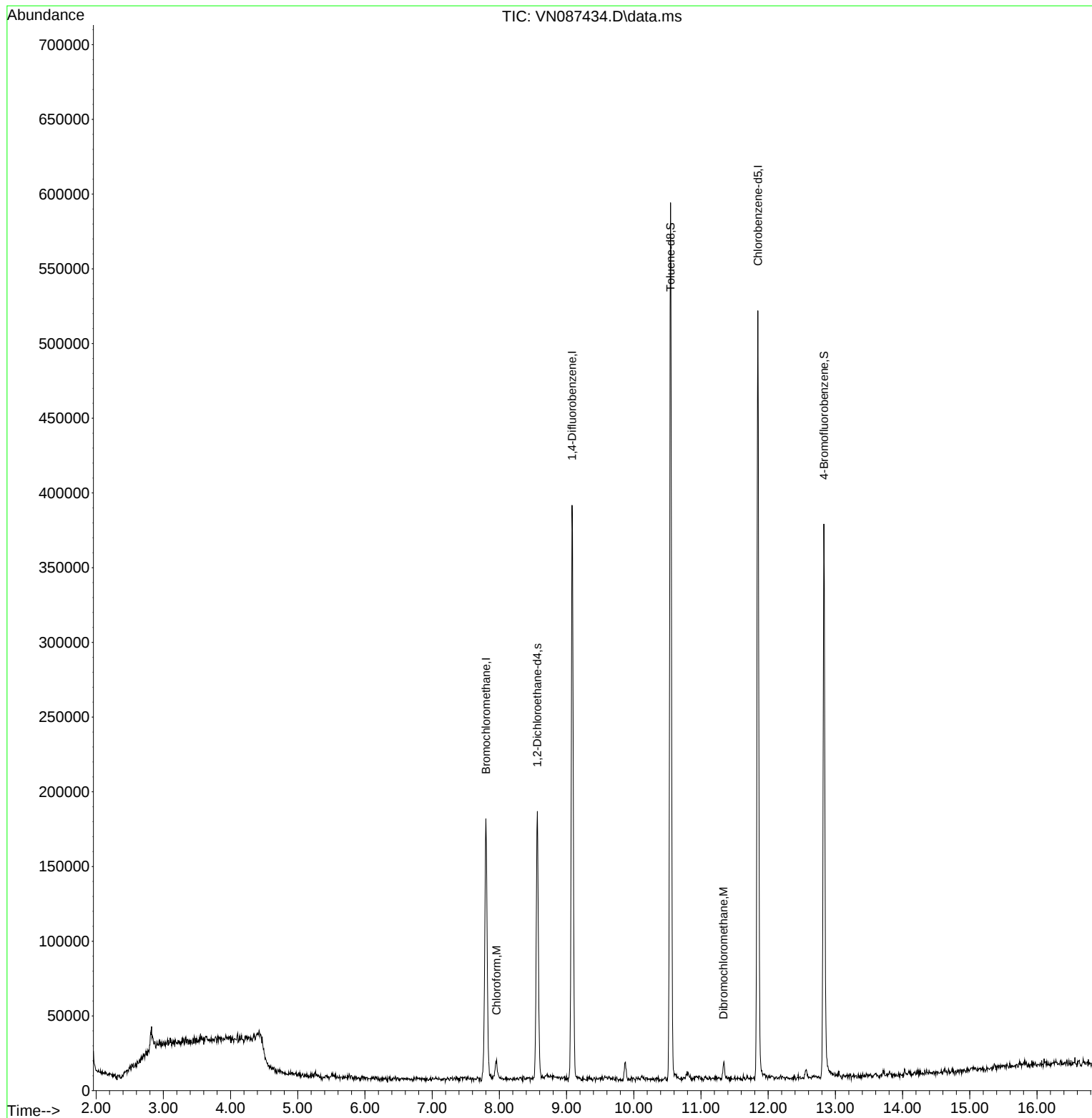
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
Data File : VN087434.D
Acq On : 28 Jul 2025 15:58
Operator : JC\MD
Sample : Q2683-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

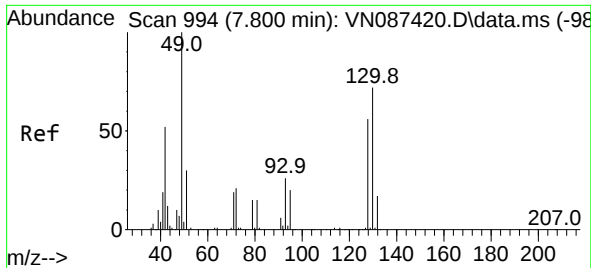
Instrument :
MSVOA_N
ClientSampleId :
DSN001

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/29/2025
Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 16:15:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 28 11:35:47 2025
Response via : Initial Calibration





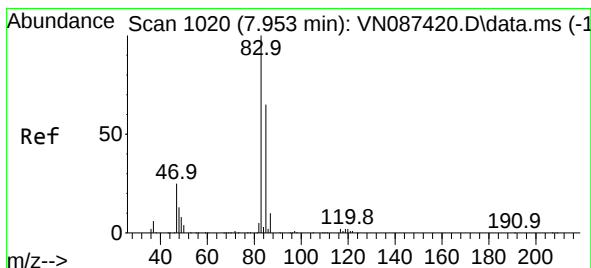
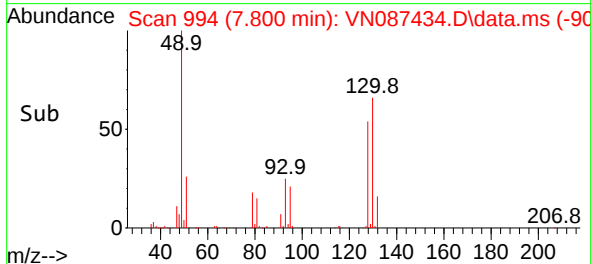
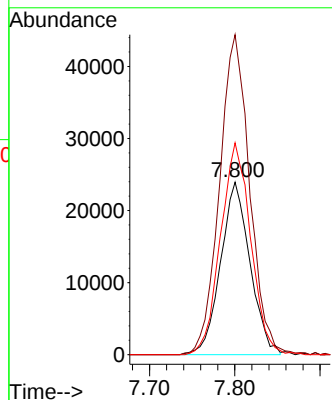
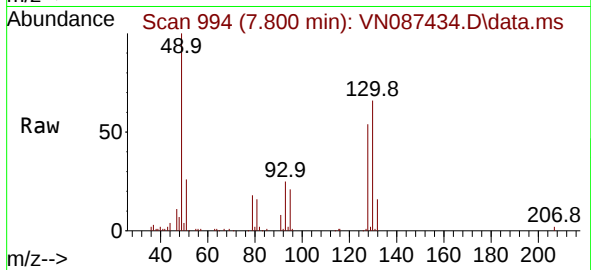
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087434.D
Acq: 28 Jul 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
DSN001

Tgt Ion:128 Resp: 5744
Ion Ratio Lower Upper
128 100
49 190.0 0.0 457.3
130 126.1 0.0 316.0

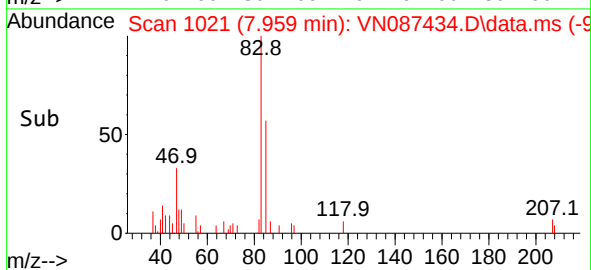
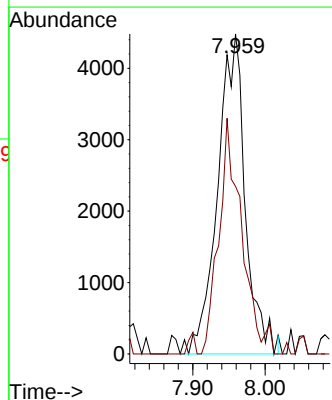
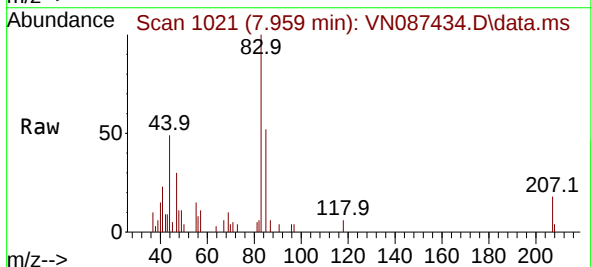
Manual Integrations
APPROVED

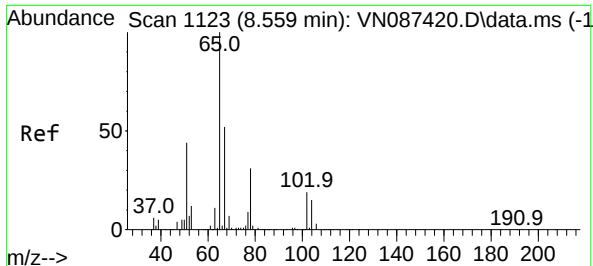
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#25
Chloroform
Concen: 1.788 ug/l m
RT: 7.959 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VN087434.D
Acq: 28 Jul 2025 15:58

Tgt Ion: 83 Resp: 11922
Ion Ratio Lower Upper
83 100
85 52.3 52.0 78.0





#27

1,2-Dichloroethane-d4

Concen: 31.187 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087434.D

Acq: 28 Jul 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

DSN001

Tgt Ion: 65 Resp: 136994

Ion Ratio Lower Upper

65 100

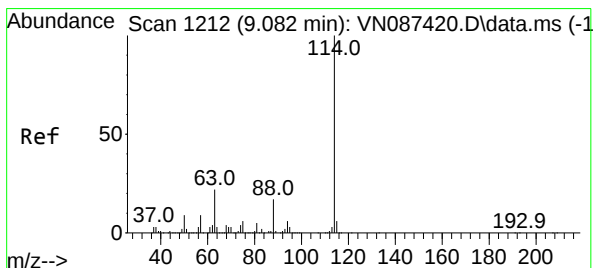
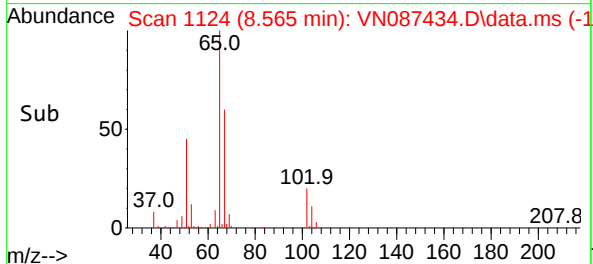
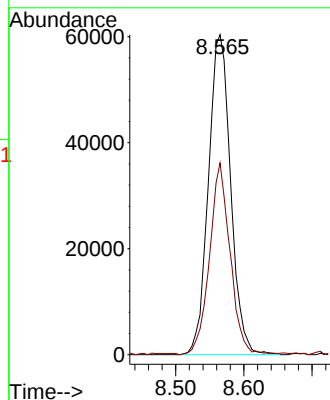
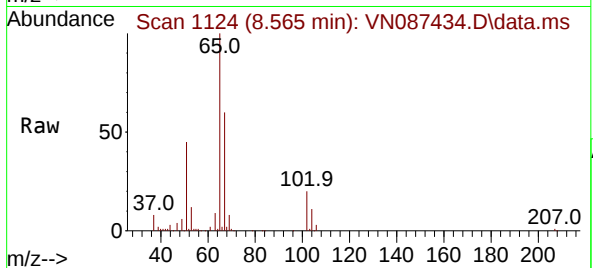
67 55.4 42.3 63.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087434.D

Acq: 28 Jul 2025 15:58

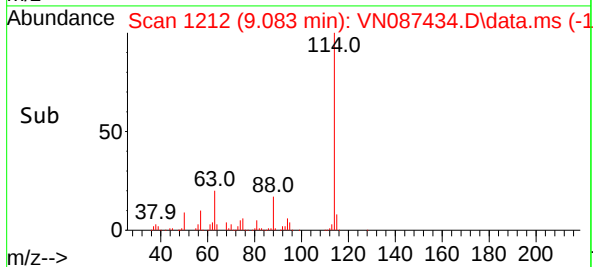
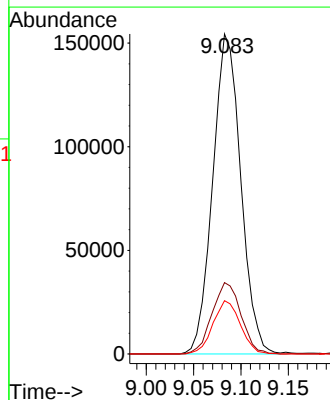
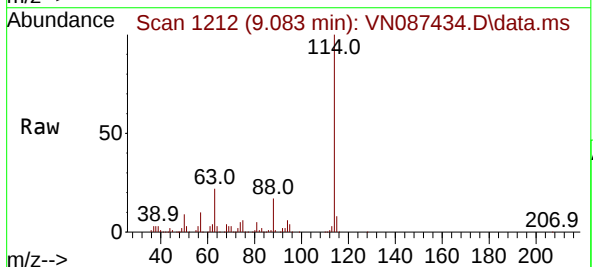
Tgt Ion:114 Resp: 317790

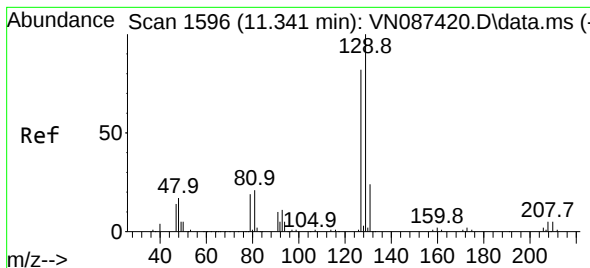
Ion Ratio Lower Upper

114 100

63 23.0 17.8 26.6

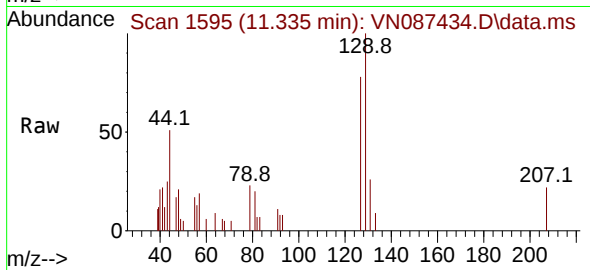
88 16.3 13.0 19.4





#53
Dibromochloromethane
Concen: 1.508 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VN087434.D
Acq: 28 Jul 2025 15:58

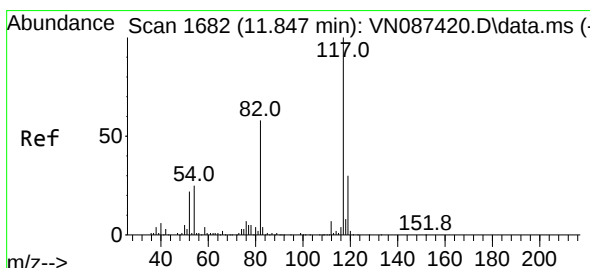
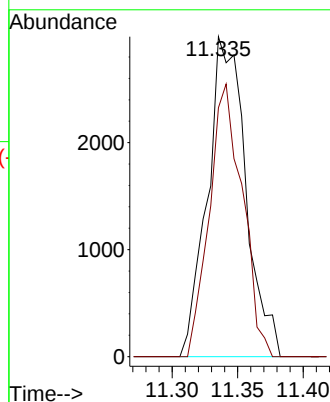
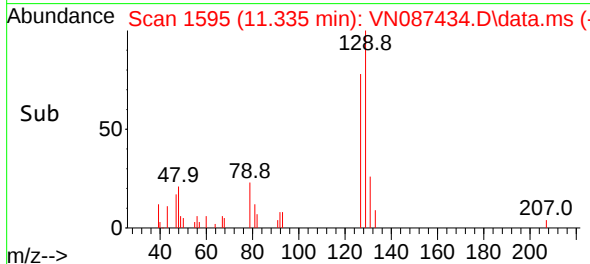
Instrument :
MSVOA_N
ClientSampleId :
DSN001



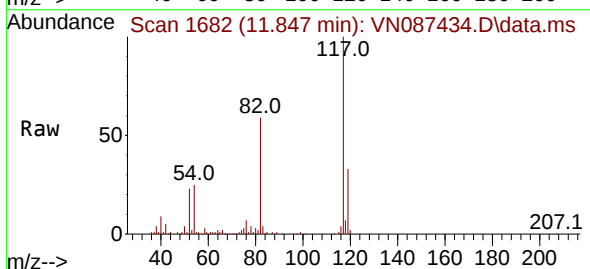
Tgt Ion:129 Resp: 606
Ion Ratio Lower Upper
129 100
127 73.7 39.5 118.3

Manual Integrations
APPROVED

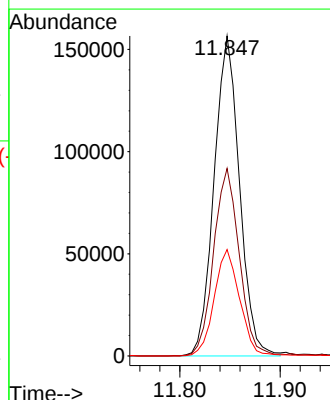
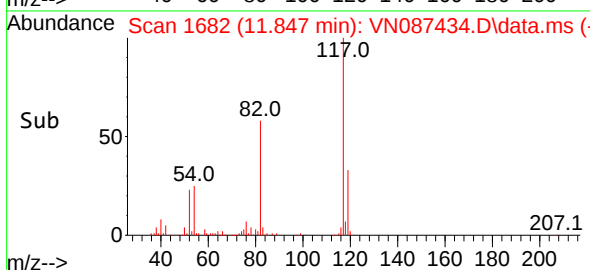
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

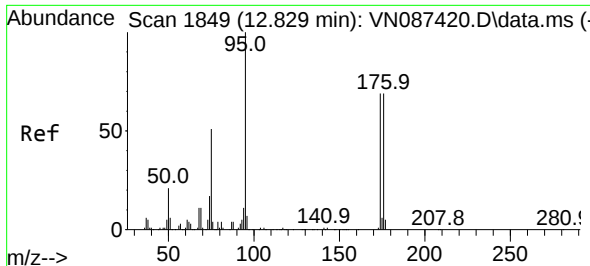


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087434.D
Acq: 28 Jul 2025 15:58



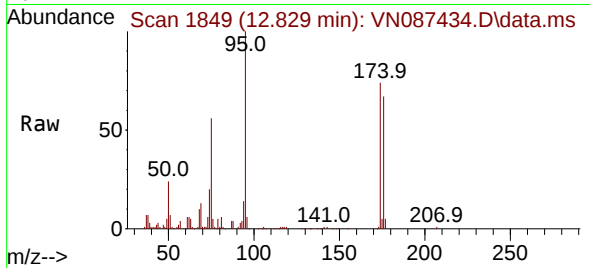
Tgt Ion:117 Resp: 276088
Ion Ratio Lower Upper
117 100
82 59.0 46.2 69.4
119 33.3 25.7 38.5





#60
4-Bromofluorobenzene
Concen: 29.304 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087434.D
Acq: 28 Jul 2025 15:58

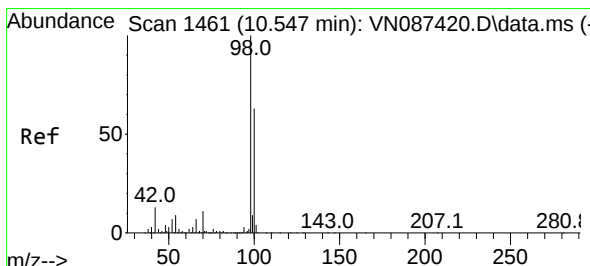
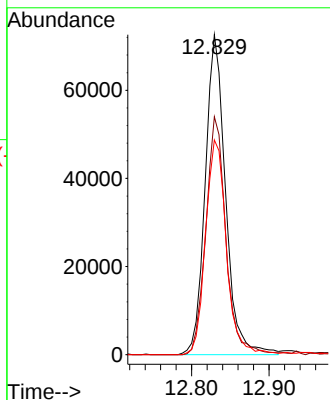
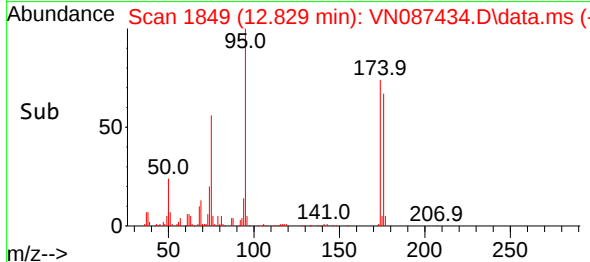
Instrument :
MSVOA_N
ClientSampleId :
DSN001



Tgt Ion: 95 Resp: 132850
Ion Ratio Lower Upper
95 100
174 72.7 57.8 86.8
176 67.9 54.9 82.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#63
Toluene-d8
Concen: 30.814 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087434.D
Acq: 28 Jul 2025 15:58

Tgt Ion: 98 Resp: 390692
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1

