

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087433.D
 Acq On : 28 Jul 2025 15:36
 Operator : JC\MD
 Sample : Q2683-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN003

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 15:53:31 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	7.806	128	58928	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	320235	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	278459	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	133634	29.656	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.867%	
60) 4-Bromofluorobenzene	12.829	95	129006	28.212	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.033%	
63) Toluene-d8	10.547	98	397986	31.122	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	103.733%	
Target Compounds						
15) Acetone	4.412	58	16604m	30.057	ug/l	Qvalue
25) Chloroform	7.953	83	15451	2.259	ug/l	99
30) 2-Butanone	7.483	43	8925	2.710	ug/l	# 87
87) 1,2-Dichlorobenzene	14.088	146	14561m	2.107	ug/l	

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

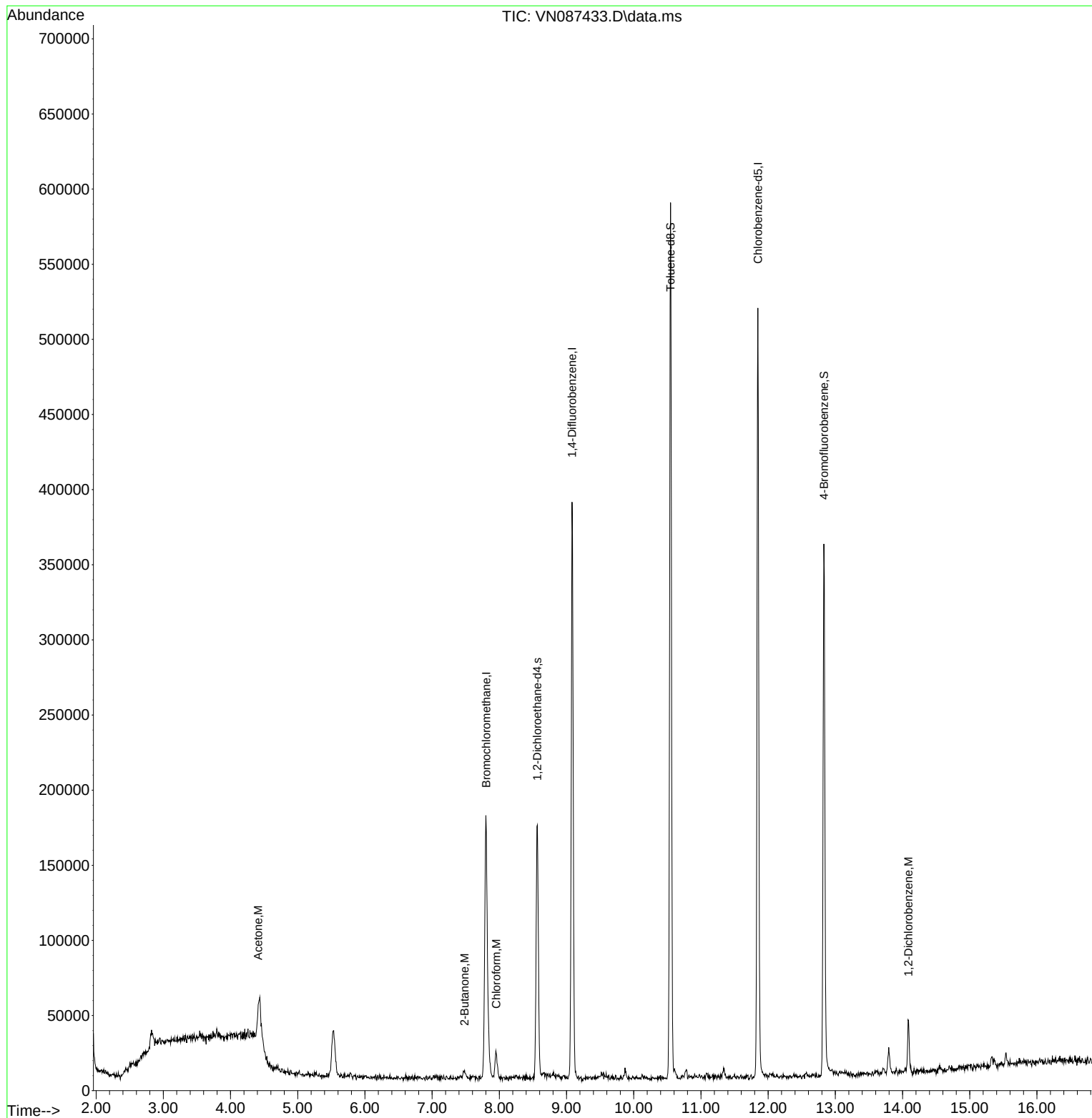
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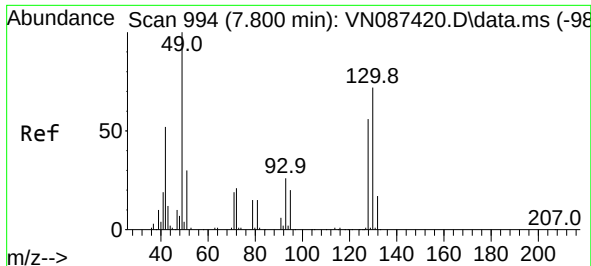
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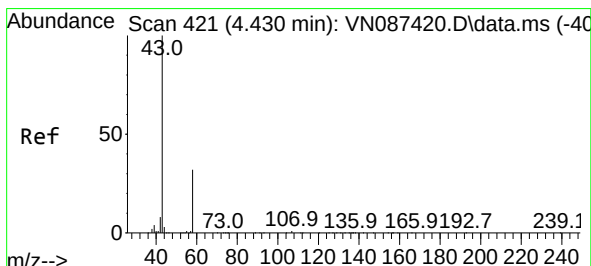
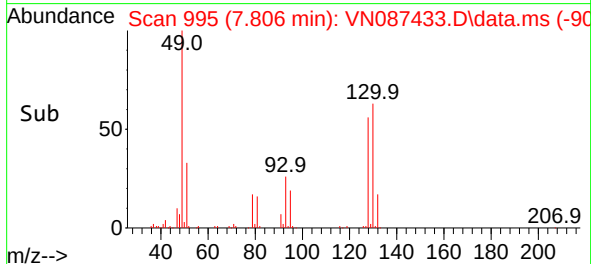
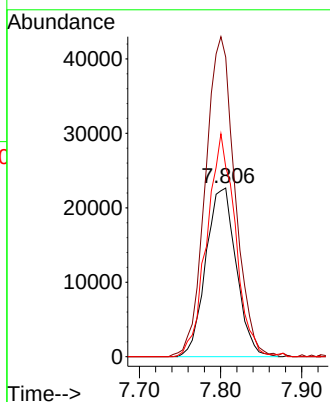
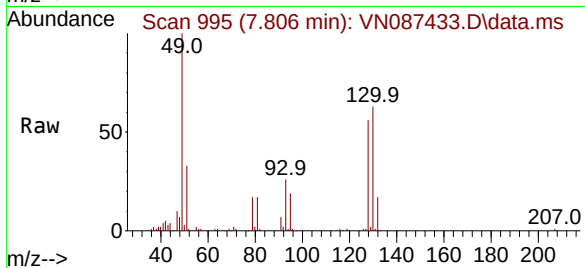
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087433.D
Acq: 28 Jul 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :
DSN003

Tgt Ion:128 Resp: 58928
Ion Ratio Lower Upper
128 100
49 184.3 0.0 457.3
130 123.7 0.0 316.0

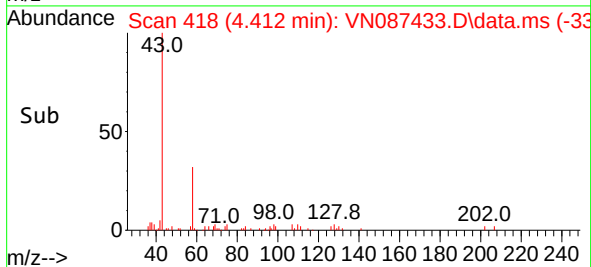
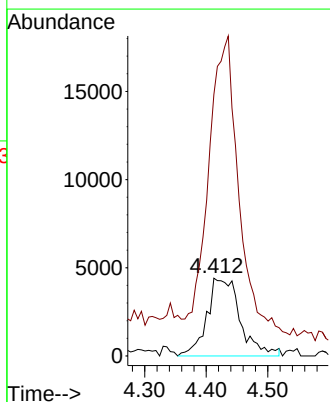
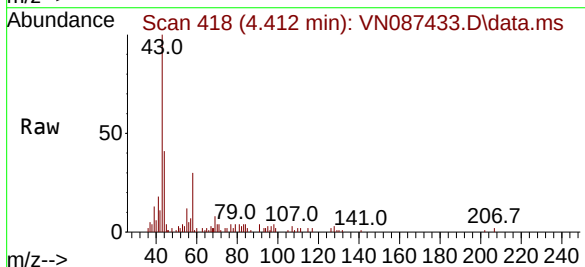
Manual Integrations
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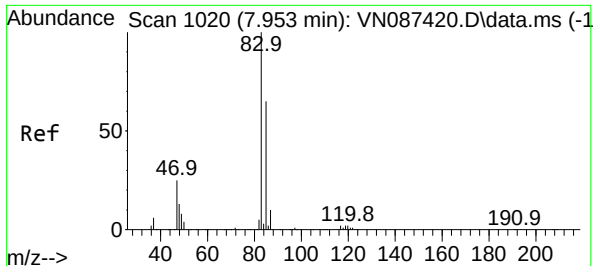
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#15
Acetone
Concen: 30.057 ug/l m
RT: 4.412 min Scan# 418
Delta R.T. -0.018 min
Lab File: VN087433.D
Acq: 28 Jul 2025 15:36

Tgt Ion: 58 Resp: 16604
Ion Ratio Lower Upper
58 100
43 335.8 248.4 372.6





#25

Chloroform

Concen: 2.259 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VN087433.D

Acq: 28 Jul 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

DSN003

Tgt Ion: 83 Resp: 1545

Ion Ratio Lower Upper

83 100

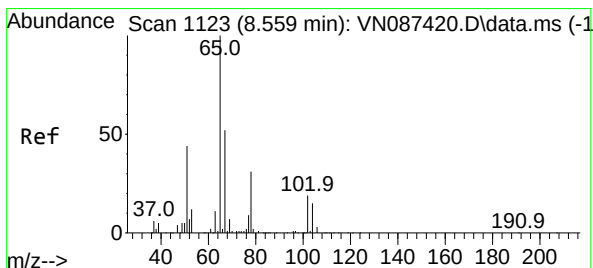
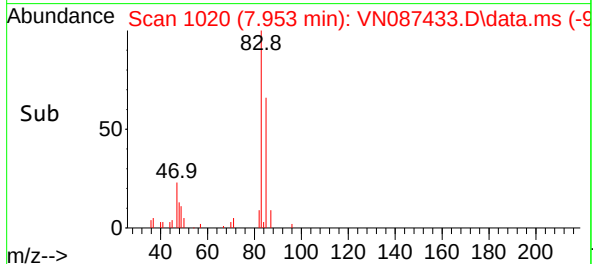
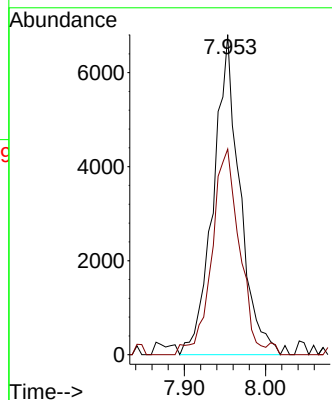
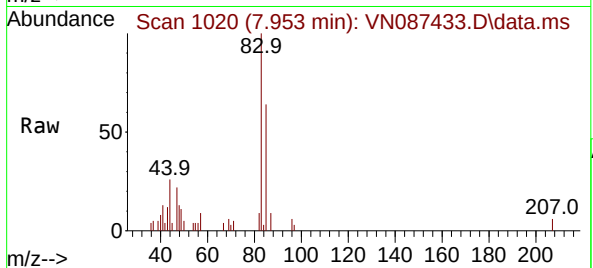
85 64.2 52.0 78.0

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#27

1,2-Dichloroethane-d4

Concen: 29.656 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN087433.D

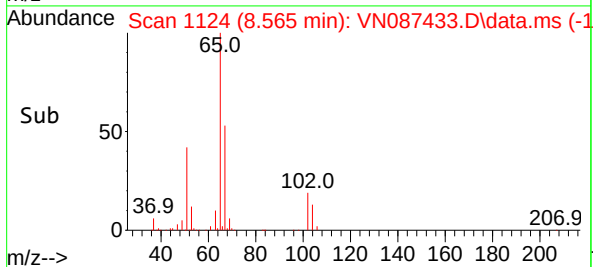
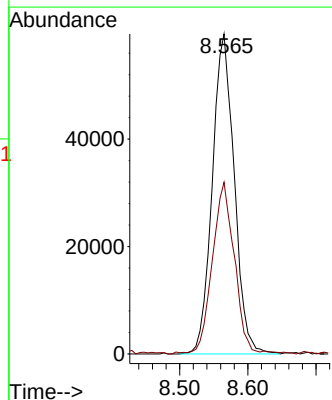
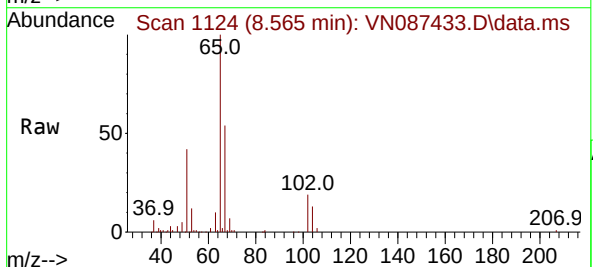
Acq: 28 Jul 2025 15:36

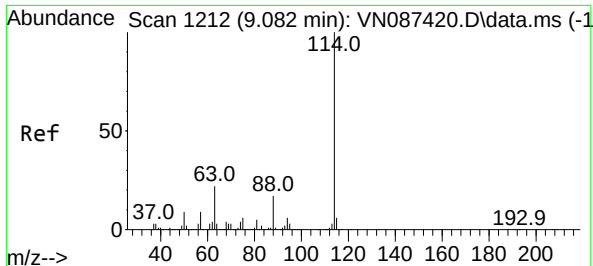
Tgt Ion: 65 Resp: 133634

Ion Ratio Lower Upper

65 100

67 52.3 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087433.D

Acq: 28 Jul 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

DSN003

Tgt Ion:114 Resp: 32023

Ion Ratio Lower Upper

114 100

63 22.0 17.8 26.6

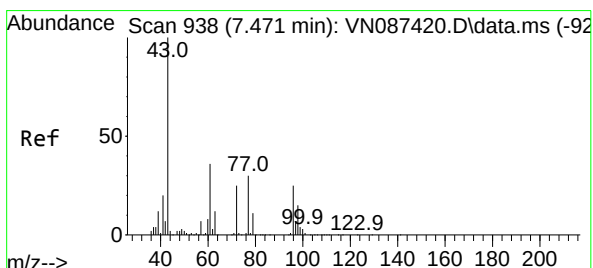
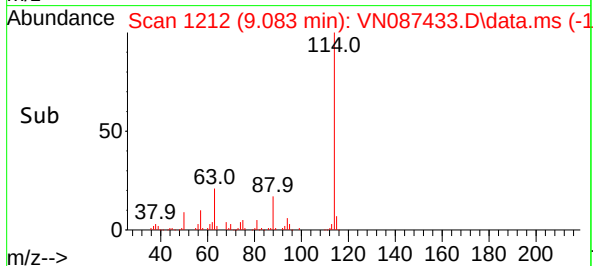
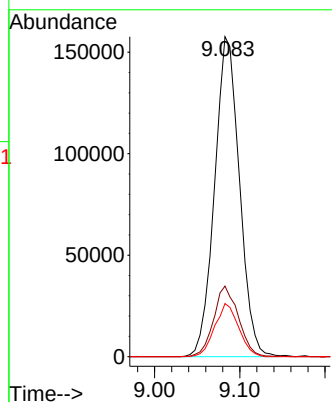
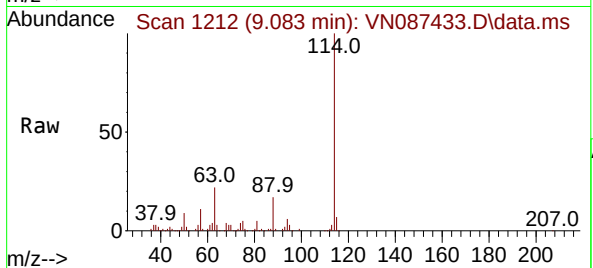
88 16.0 13.0 19.4

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#30

2-Butanone

Concen: 2.710 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.012 min

Lab File: VN087433.D

Acq: 28 Jul 2025 15:36

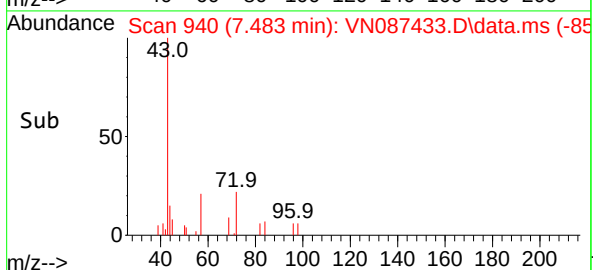
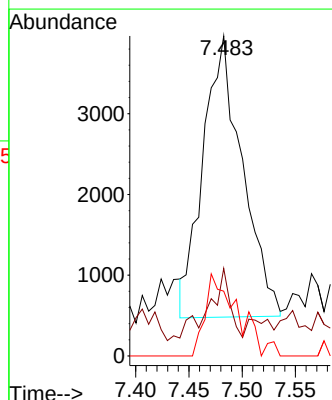
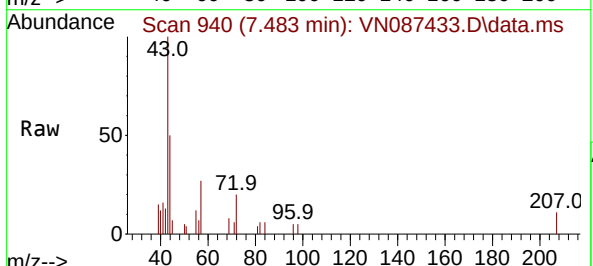
Tgt Ion: 43 Resp: 8925

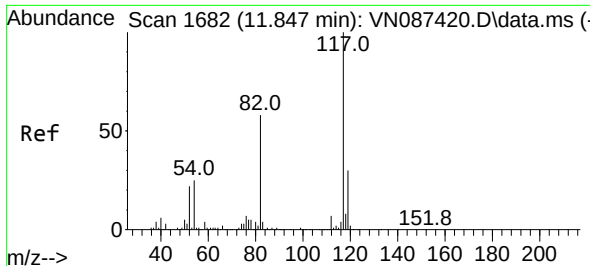
Ion Ratio Lower Upper

43 100

57 12.9 6.0 9.0#

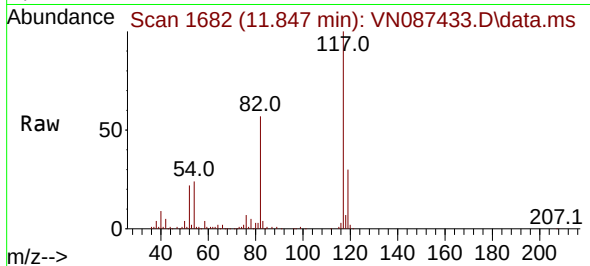
72 19.5 20.3 30.5#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087433.D
Acq: 28 Jul 2025 15:36

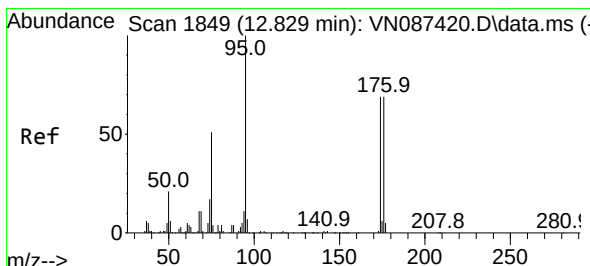
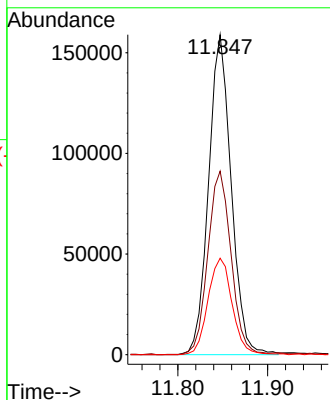
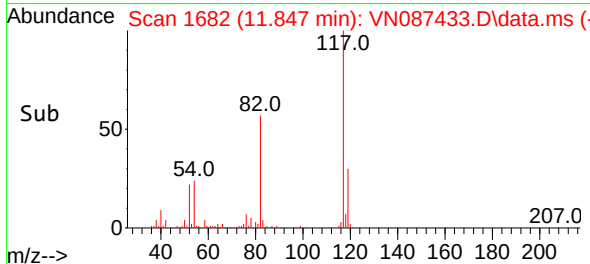
Instrument :
MSVOA_N
ClientSampleId :
DSN003



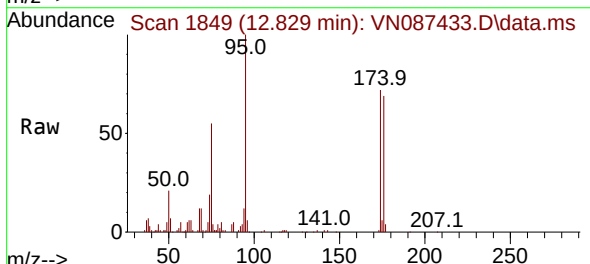
Tgt Ion:117 Resp: 278459
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 32.1 25.7 38.5

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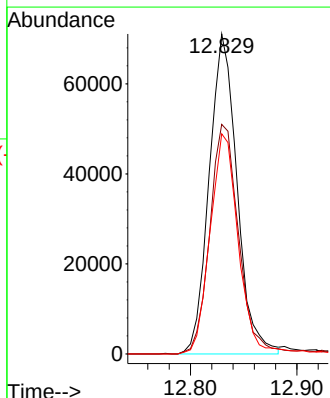
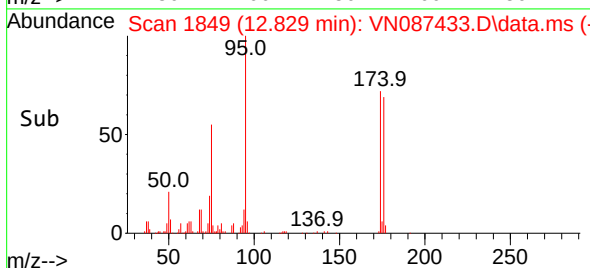
Reviewed By :John Carlone 07/29/2025
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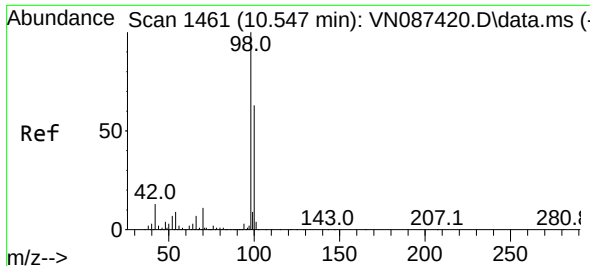


#60
4-Bromofluorobenzene
Concen: 28.212 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087433.D
Acq: 28 Jul 2025 15:36



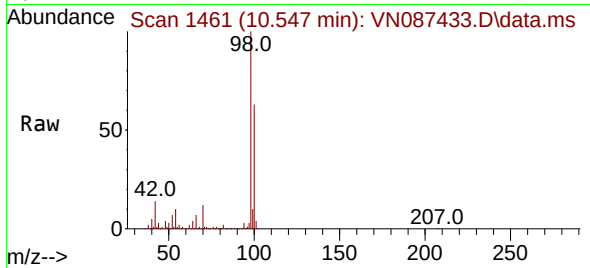
Tgt Ion: 95 Resp: 129006
Ion Ratio Lower Upper
95 100
174 74.4 57.8 86.8
176 69.7 54.9 82.3





#63
Toluene-d8
Concen: 31.122 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087433.D
Acq: 28 Jul 2025 15:36

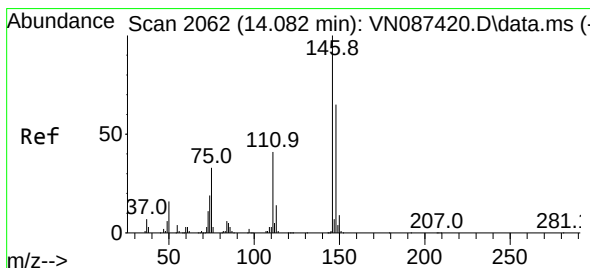
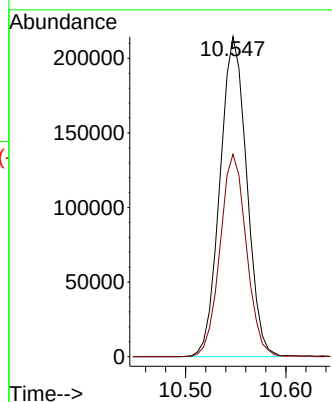
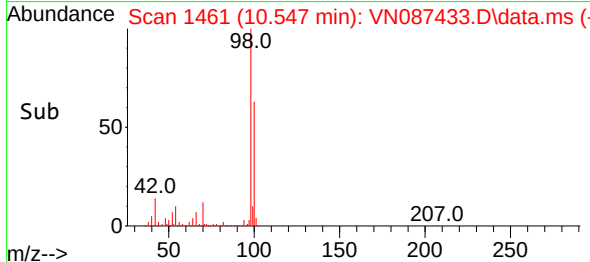
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MSVOA_N
ClientSampleId :
DSN003



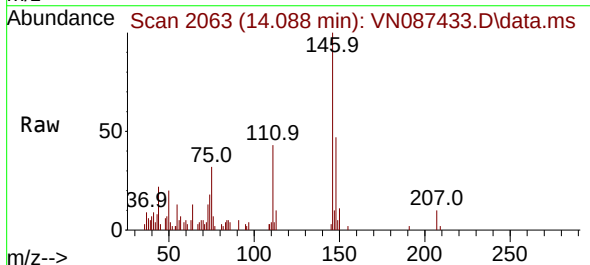
Tgt Ion: 98 Resp: 397980
Ion Ratio Lower Upper
98 100
100 62.2 50.7 76.1

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#87
1,2-Dichlorobenzene
Concen: 2.107 ug/l m
RT: 14.088 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VN087433.D
Acq: 28 Jul 2025 15:36



Tgt Ion:146 Resp: 14561
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.9#
148 0.0 32.5 97.5#

