

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087534.D
 Acq On : 13 Aug 2025 14:51
 Operator : JC\MD
 Sample : Q2825-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FBRE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 04:01:07 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	216531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	485832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	448077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	235695	64.151	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 128.300%#	
35) Dibromofluoromethane	8.153	113	167663	50.030	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.547	98	610733	51.089	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	12.829	95	224955	50.934	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.860%	
Target Compounds						
						Qvalue
16) Acetone	4.436	43	6887m	3.998	ug/l	
52) Toluene	10.618	92	2602	0.299	ug/l	96

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

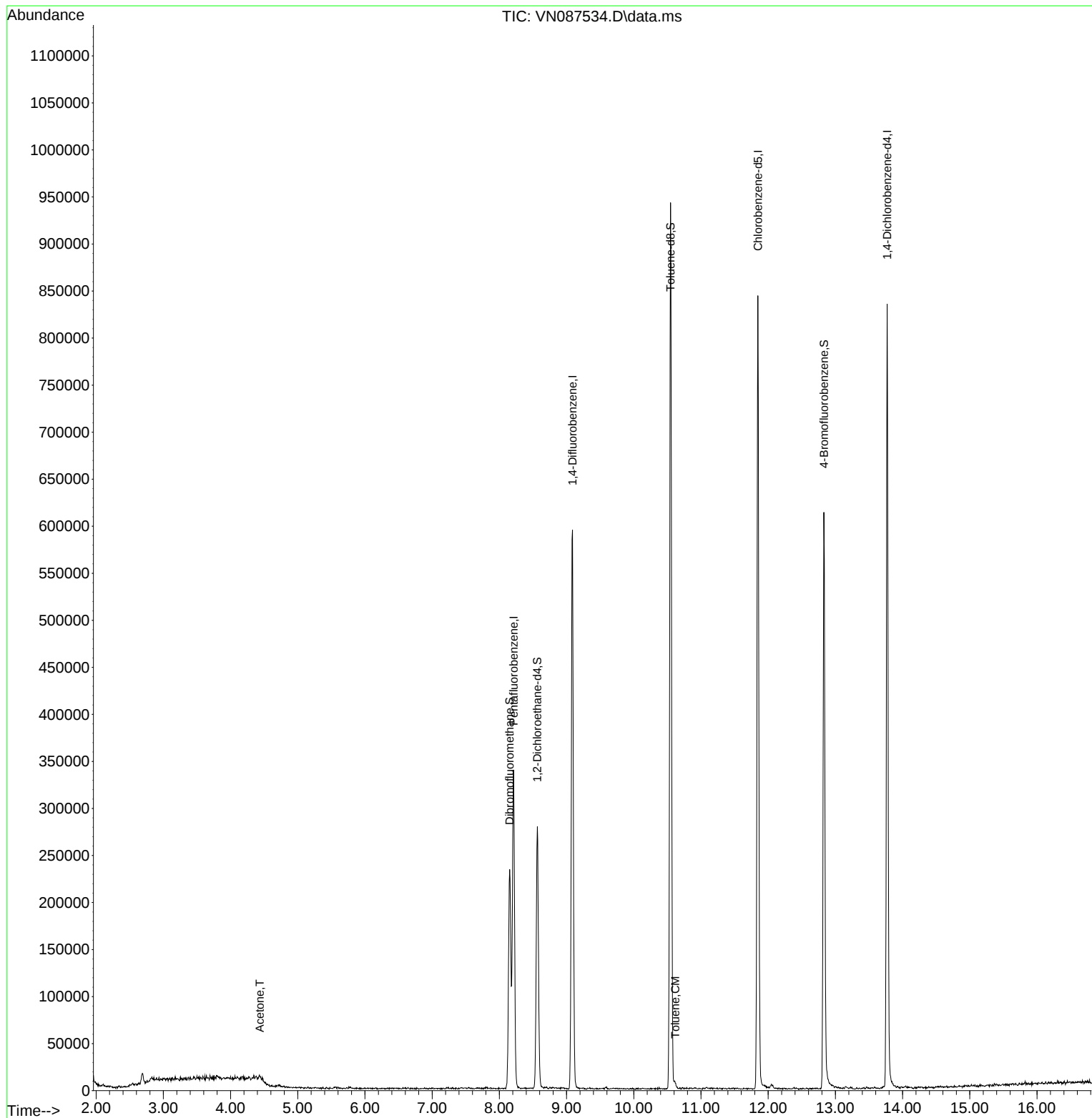
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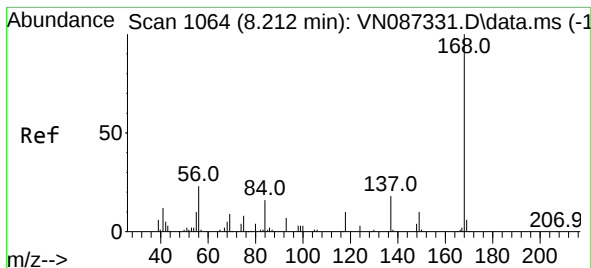
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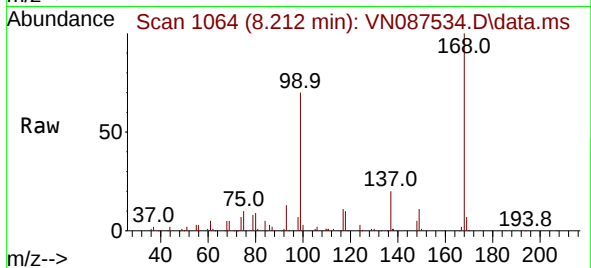
Quant Time: Aug 14 04:01:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087534.D
Acq: 13 Aug 2025 14:51

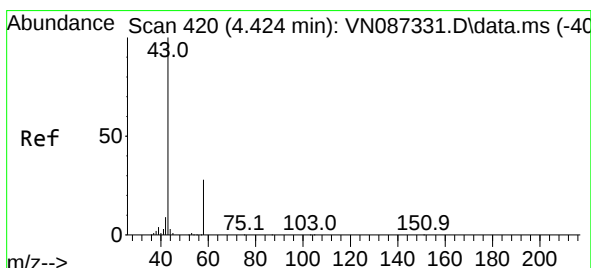
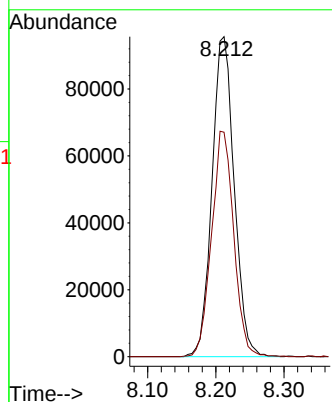
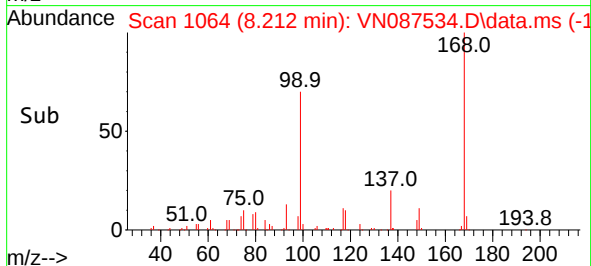
Instrument :
MSVOA_N
ClientSampleId :
FBRE



Tgt Ion:168 Resp: 21653
Ion Ratio Lower Upper
168 100
99 70.1 47.9 71.9

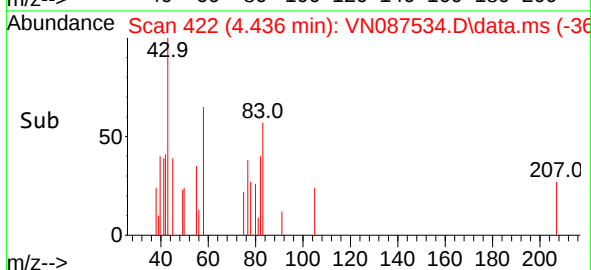
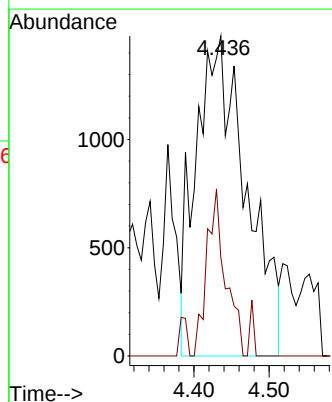
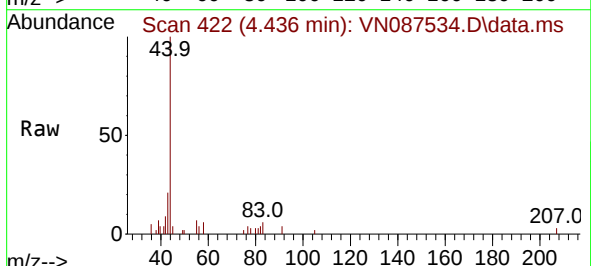
Manual Integrations
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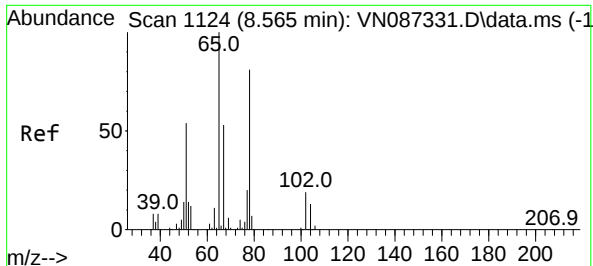
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#16
Acetone
Concen: 3.998 ug/l m
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN087534.D
Acq: 13 Aug 2025 14:51

Tgt Ion: 43 Resp: 6887
Ion Ratio Lower Upper
43 100
58 30.8 22.3 33.5





#33

1,2-Dichloroethane-d4

Concen: 64.151 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087534.D

Acq: 13 Aug 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

FBRE

Tgt Ion: 65 Resp: 23569

Ion Ratio Lower Upper

65 100

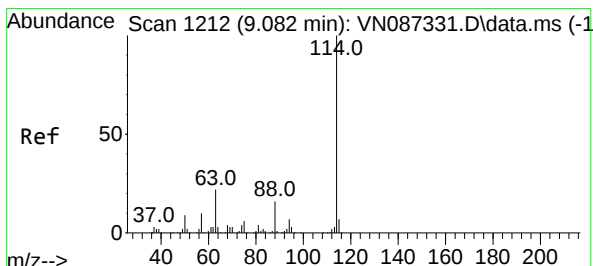
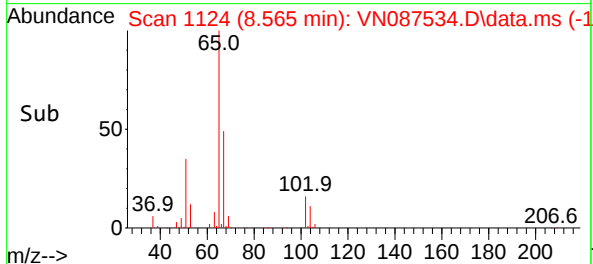
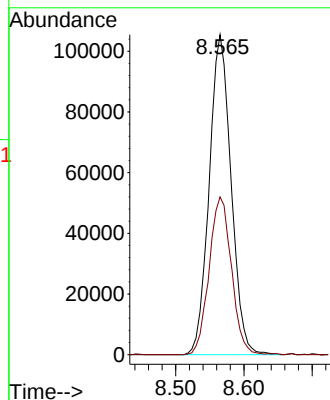
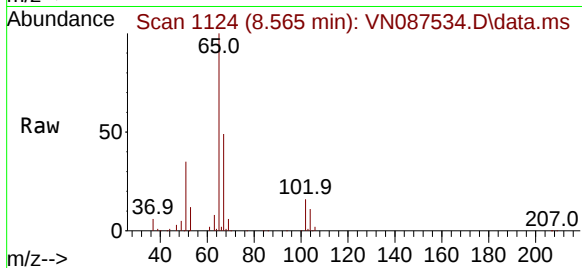
67 50.3 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087534.D

Acq: 13 Aug 2025 14:51

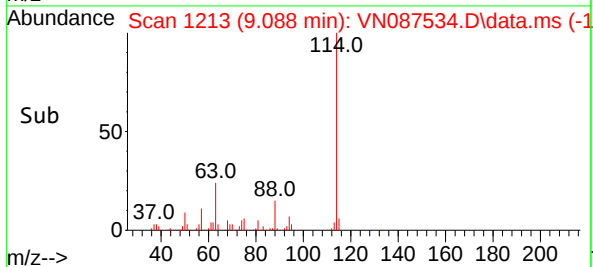
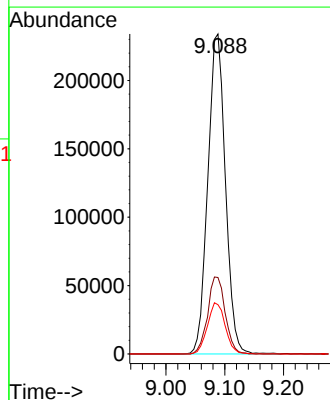
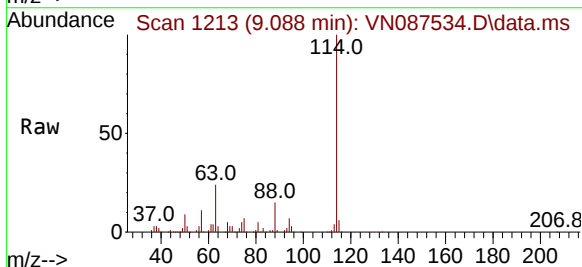
Tgt Ion:114 Resp: 485832

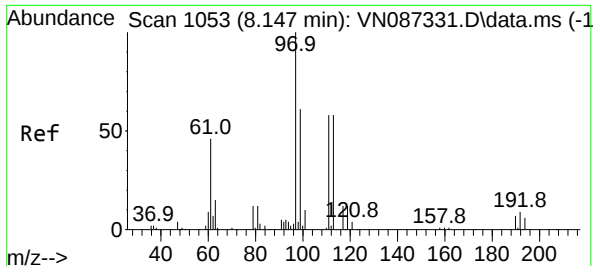
Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.6

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.030 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087534.D

Acq: 13 Aug 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

FBRE

Tgt Ion:113 Resp: 16766

Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

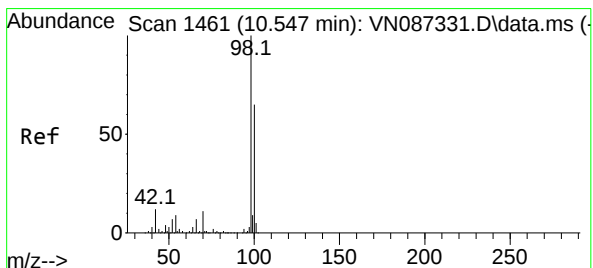
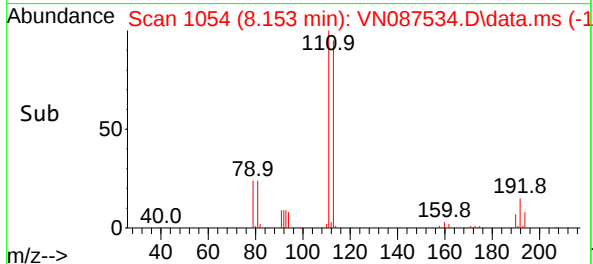
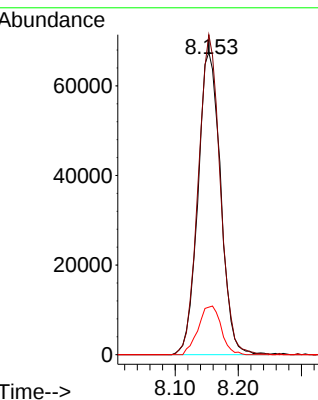
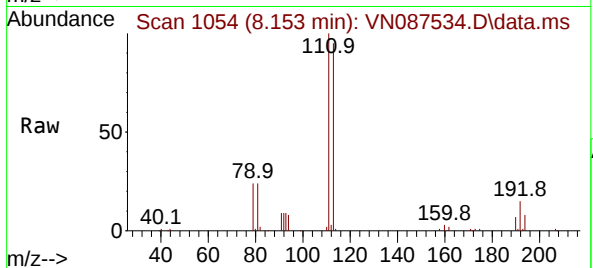
192 16.3 13.7 20.5

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#50

Toluene-d8

Concen: 51.089 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087534.D

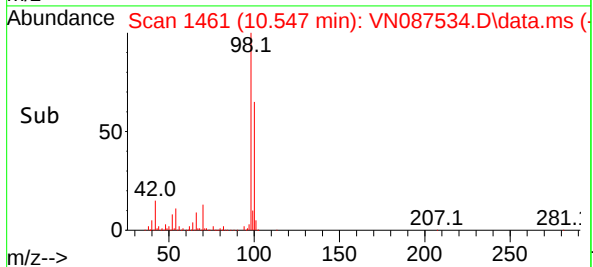
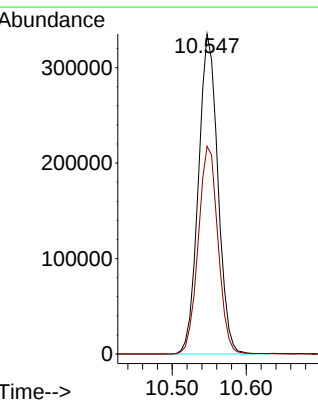
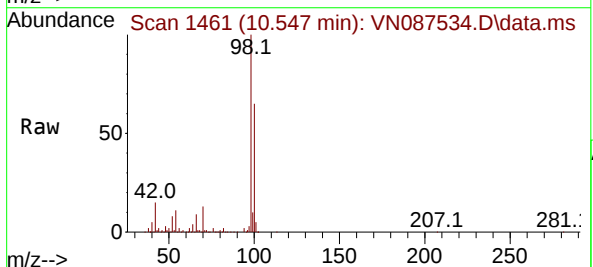
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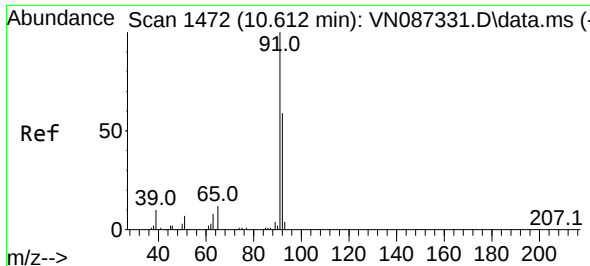
Tgt Ion: 98 Resp: 610733

Ion Ratio Lower Upper

98 100

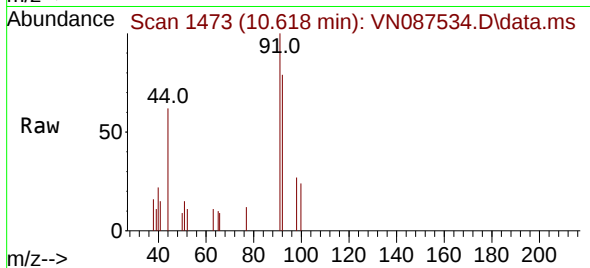
100 65.8 52.1 78.1





#52
Toluene
Concen: 0.299 ug/l
RT: 10.618 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087534.D
Acq: 13 Aug 2025 14:51

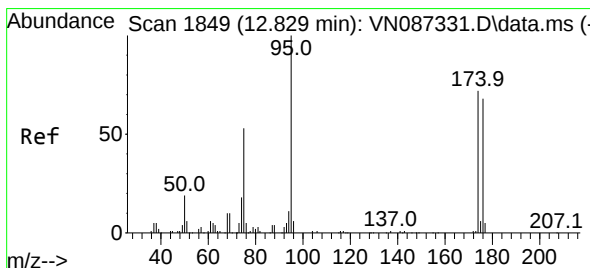
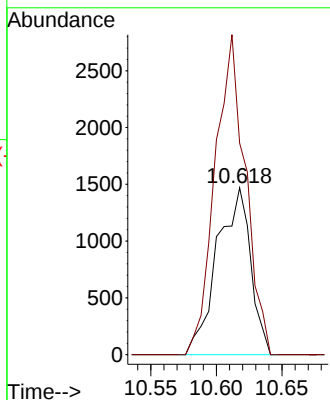
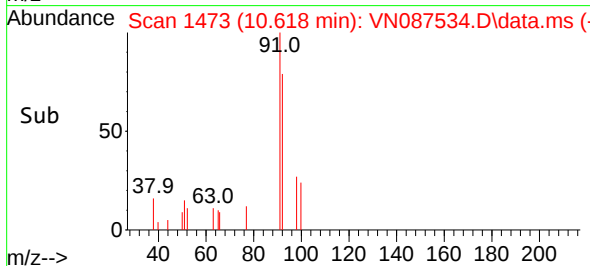
Instrument :
MSVOA_N
ClientSampleId :
FBRE



Tgt Ion: 92 Resp: 2602
Ion Ratio Lower Upper
92 100
91 174.6 135.1 202.7

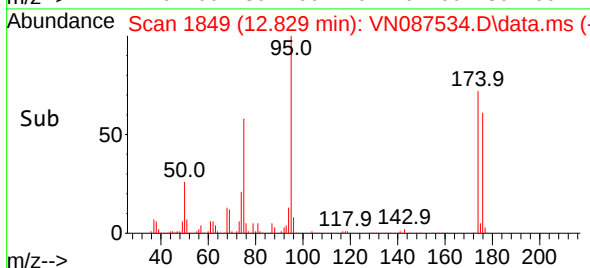
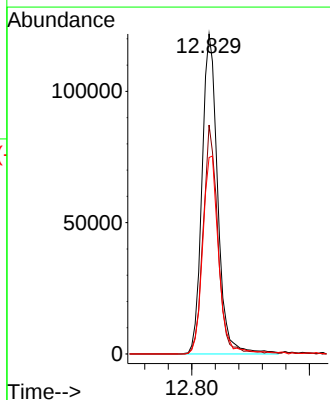
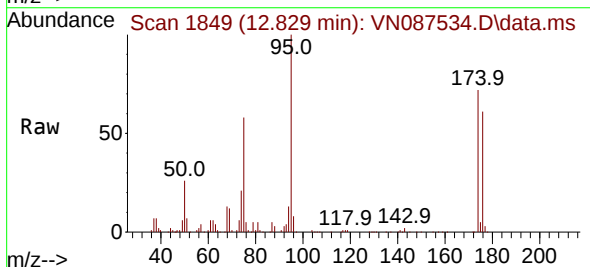
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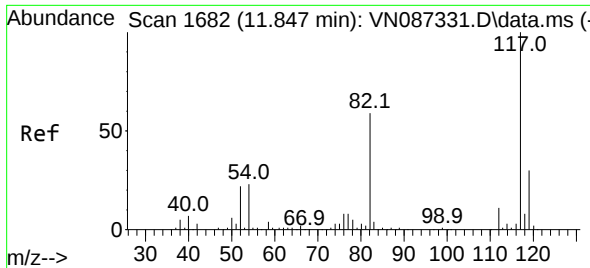
Reviewed By :John Carlone 08/14/2025
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#62
4-Bromofluorobenzene
Concen: 50.934 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087534.D
Acq: 13 Aug 2025 14:51

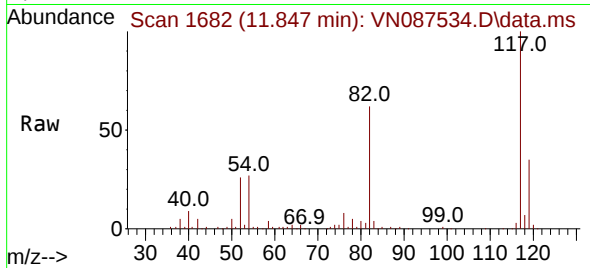
Tgt Ion: 95 Resp: 224955
Ion Ratio Lower Upper
95 100
174 66.9 0.0 149.4
176 63.5 0.0 141.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087534.D
Acq: 13 Aug 2025 14:51

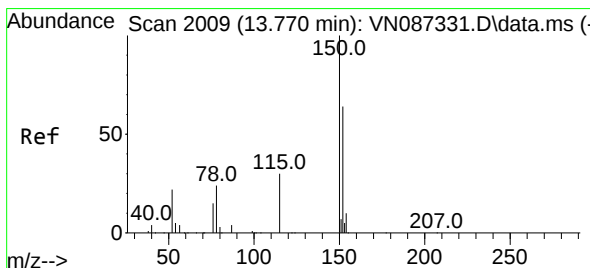
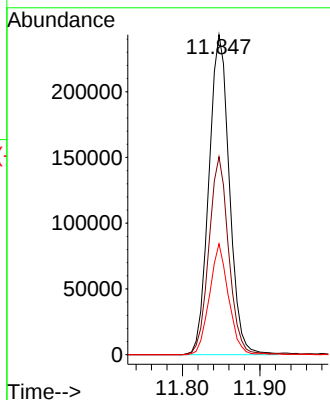
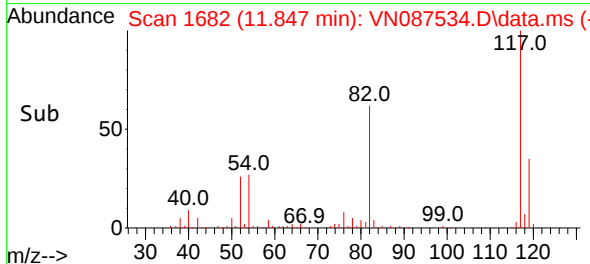
Instrument :
MSVOA_N
ClientSampleId :
FBRE



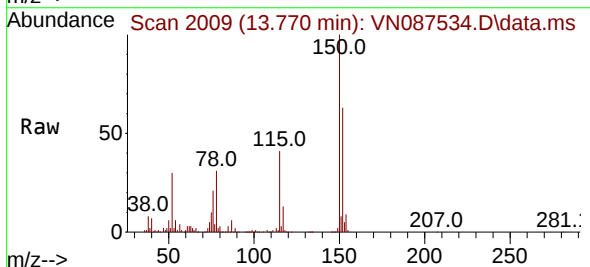
Tgt Ion:117 Resp: 44807
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 34.7 23.8 35.8

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087534.D
Acq: 13 Aug 2025 14:51



Tgt Ion:152 Resp: 202307
Ion Ratio Lower Upper
152 100
115 65.4 31.1 93.5
150 158.2 0.0 349.0

