

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088450.D
 Acq On : 04 Dec 2025 16:48
 Operator : JC\MD
 Sample : Q3757-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120325

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/05/2025
 Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:18:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	201753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	451562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	439722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203838	53.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.260%			
35) Dibromofluoromethane	8.147	113	146660	46.867	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.740%			
50) Toluene-d8	10.541	98	516378	44.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.829	95	197862	49.526	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.060%			
Target Compounds						Qvalue
16) Acetone	4.412	43	17456m	12.700	ug/l	

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

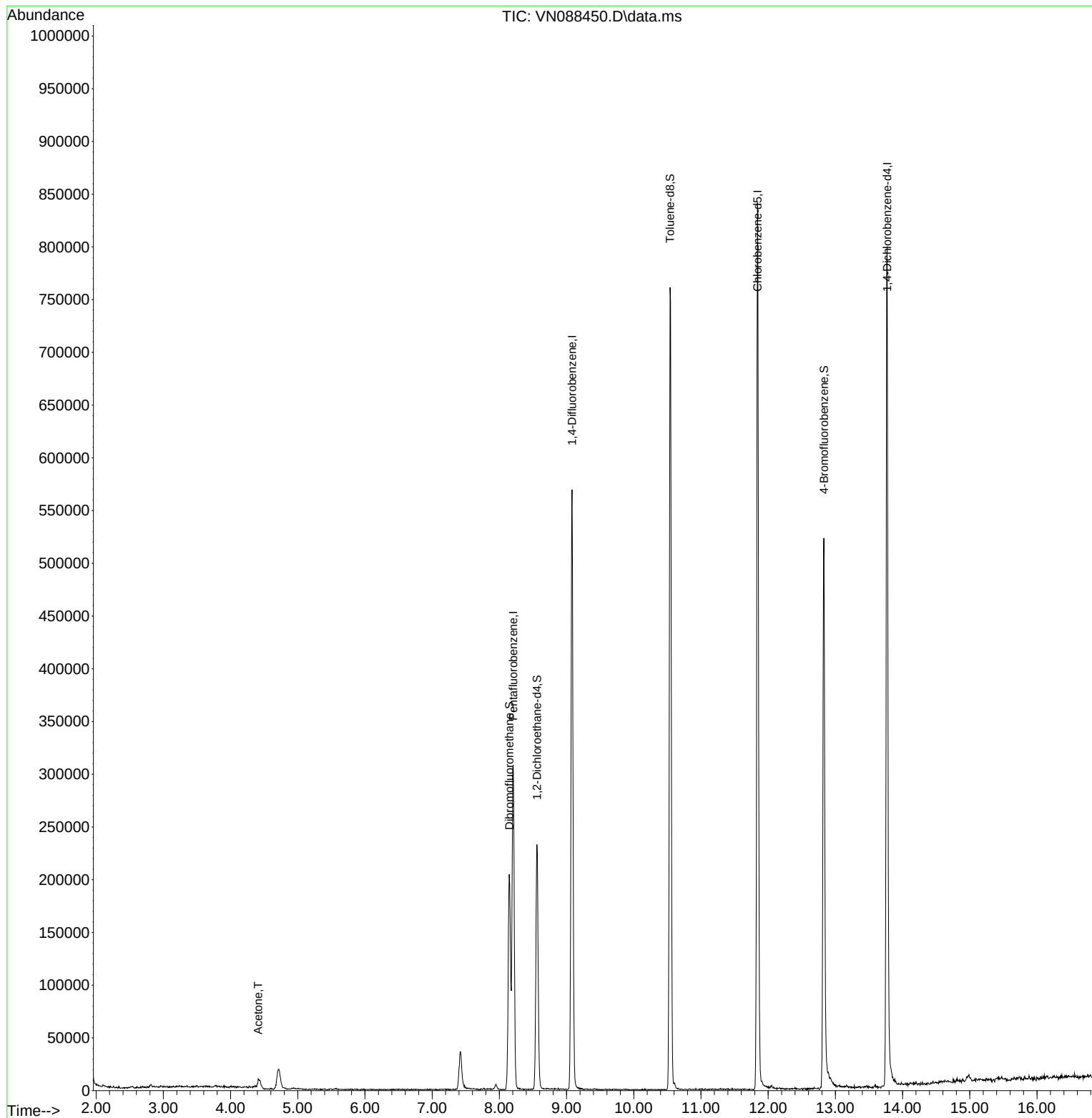
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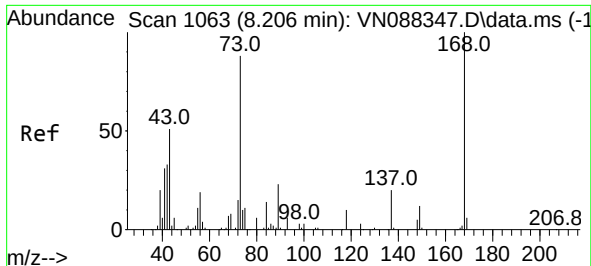
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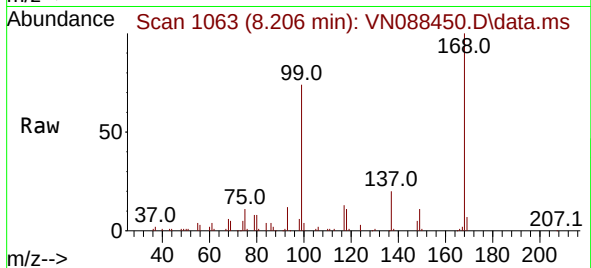
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

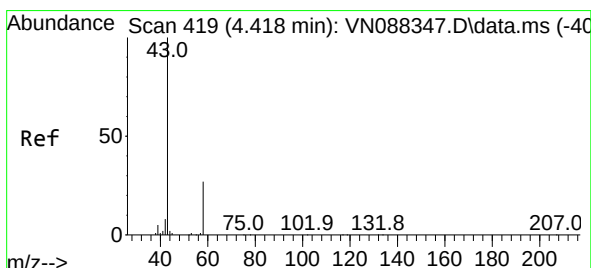
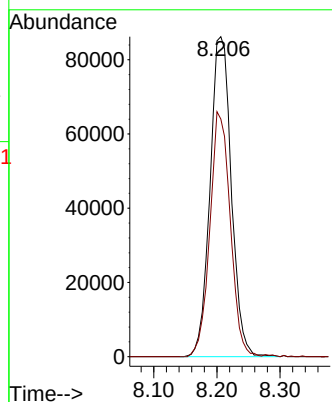
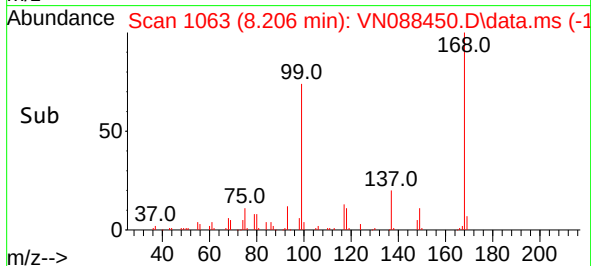
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325



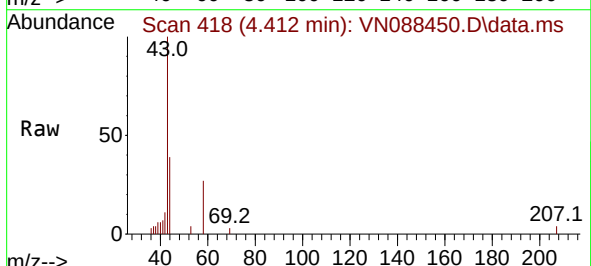
Tgt Ion:168 Resp: 20175
Ion Ratio Lower Upper
168 100
99 74.3 57.1 85.7

Manual Integrations
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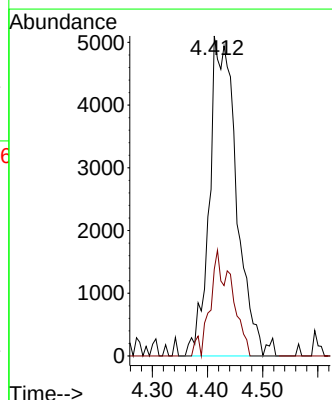
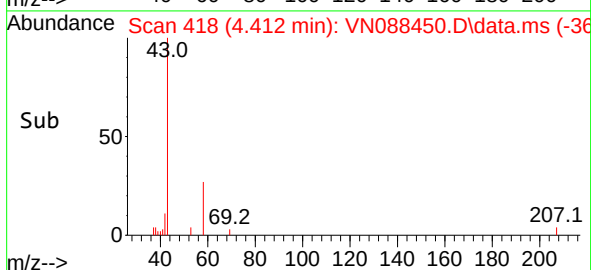
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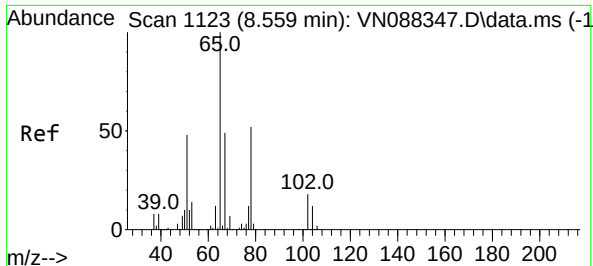


#16
Acetone
Concen: 12.700 ug/l m
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48



Tgt Ion: 43 Resp: 17456
Ion Ratio Lower Upper
43 100
58 27.1 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 53.633 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

EB01-120325

Tgt Ion: 65 Resp: 203838

Ion Ratio Lower Upper

65 100

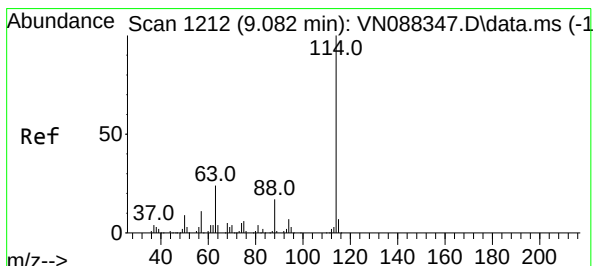
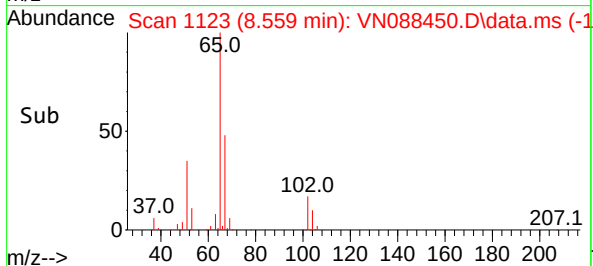
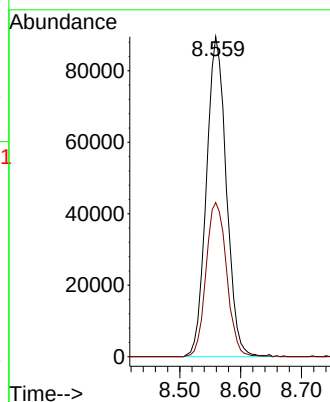
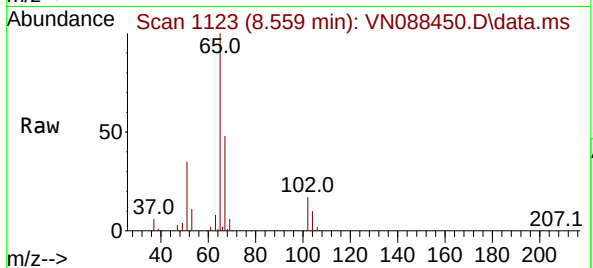
67 49.7 0.0 100.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

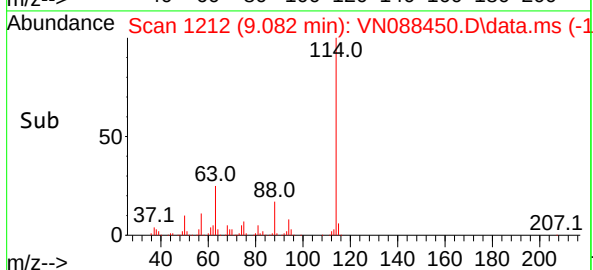
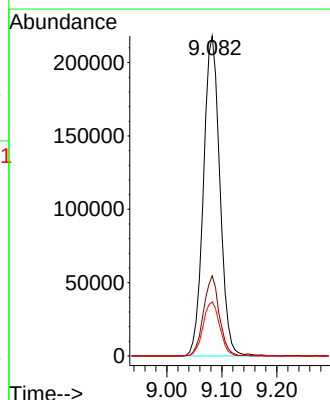
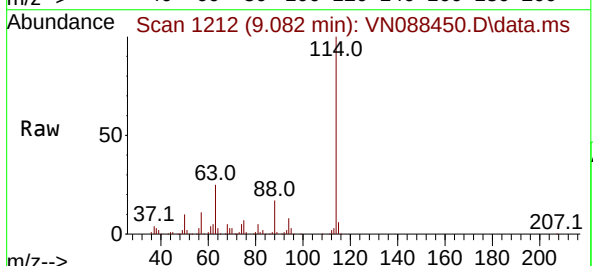
Tgt Ion:114 Resp: 451562

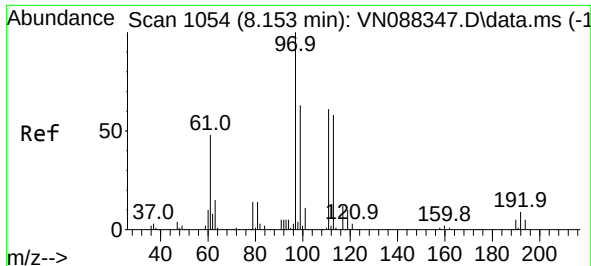
Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

EB01-120325

Tgt Ion:113 Resp: 146660

Ion Ratio Lower Upper

113 100

111 101.9 82.5 123.7

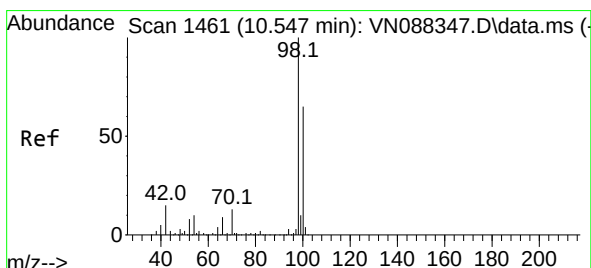
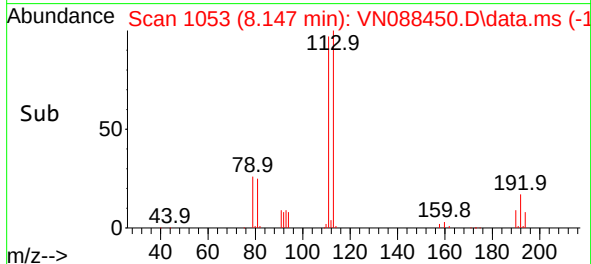
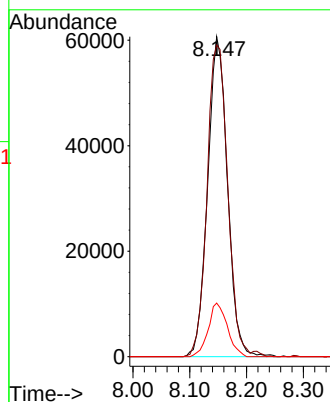
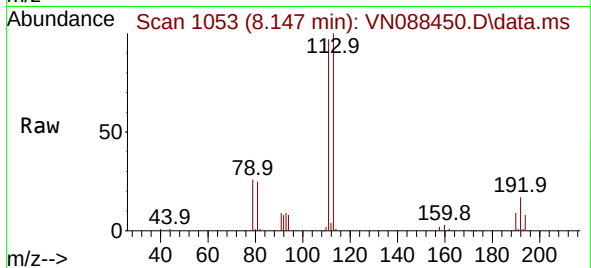
192 16.2 12.8 19.2

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#50

Toluene-d8

Concen: 44.349 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088450.D

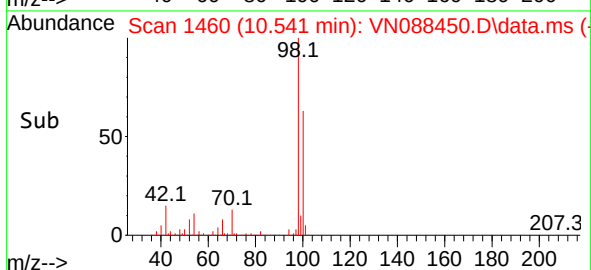
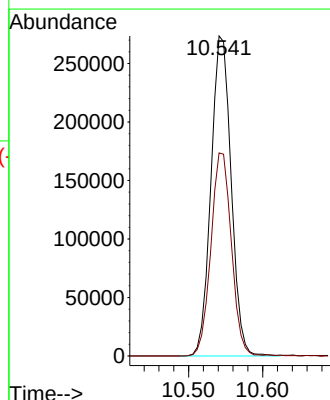
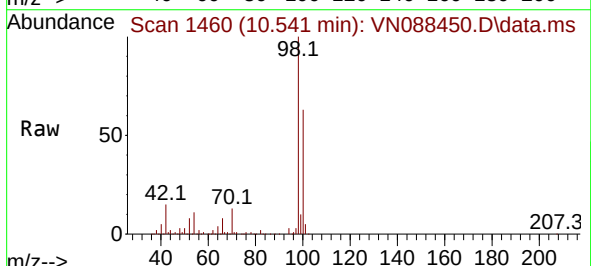
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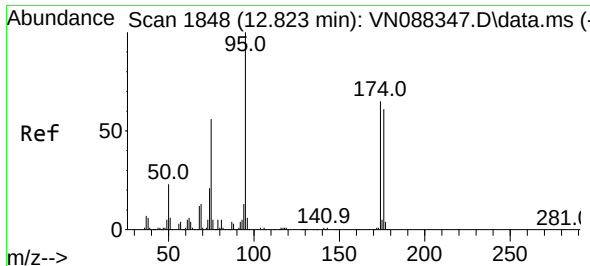
Tgt Ion: 98 Resp: 516378

Ion Ratio Lower Upper

98 100

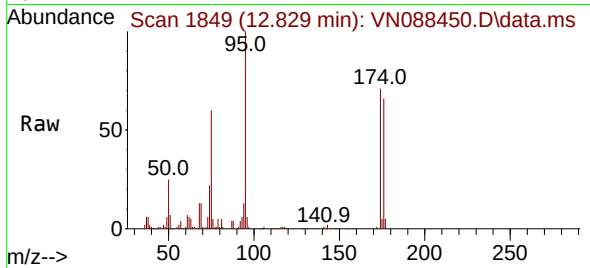
100 64.5 52.2 78.2





#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

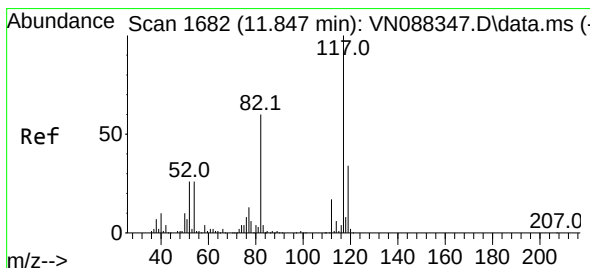
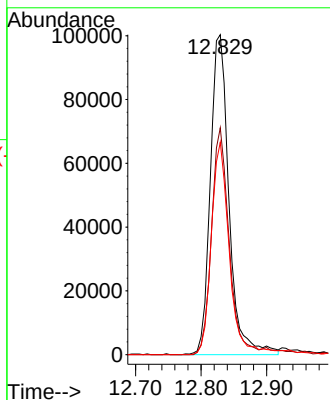
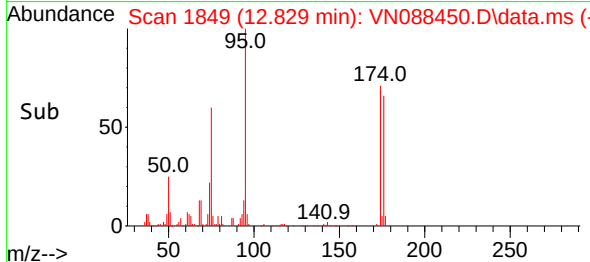
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325



Tgt Ion: 95 Resp: 197862
Ion Ratio Lower Upper
95 100
174 66.5 0.0 139.0
176 64.3 0.0 132.4

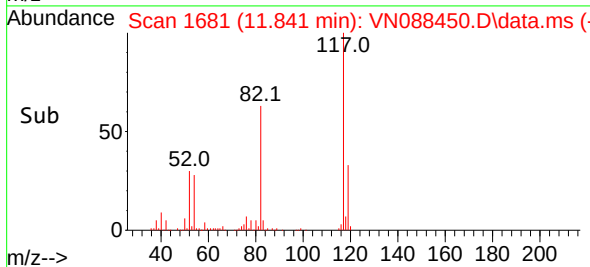
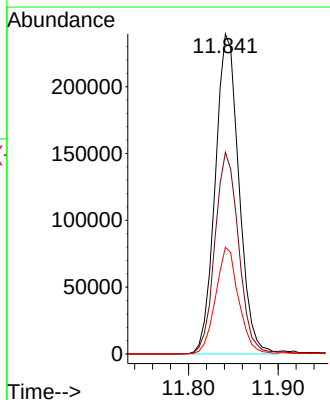
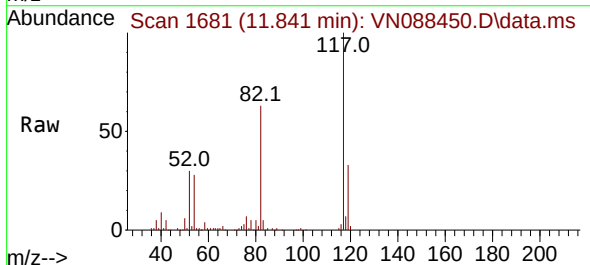
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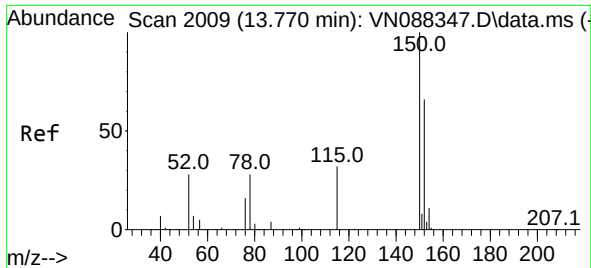
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

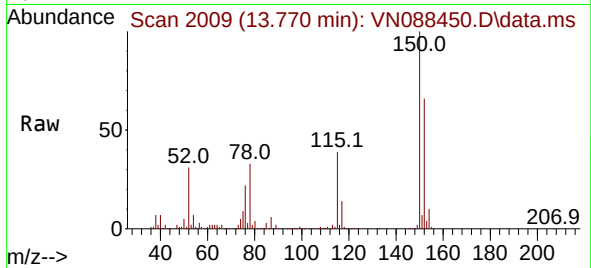
Tgt Ion:117 Resp: 439722
Ion Ratio Lower Upper
117 100
82 63.0 47.8 71.8
119 33.4 26.9 40.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088450.D
 Acq: 04 Dec 2025 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120325



Tgt Ion:152 Resp: 210580
 Ion Ratio Lower Upper
 152 100
 115 66.3 33.0 98.9
 150 160.2 0.0 349.0

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