

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088114.D
 Acq On : 27 Oct 2025 15:15
 Operator : JC\MD
 Sample : Q3440-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JB-2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:28:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	222769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	503015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	491376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	232205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	213416	55.402	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.800%			
35) Dibromofluoromethane	8.153	113	161949	47.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.840%			
50) Toluene-d8	10.547	98	588253	45.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.360%			
62) 4-Bromofluorobenzene	12.829	95	223000	48.494	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.980%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	30711	15.869	ug/l	100
20) Methylene Chloride	5.253	84	16041m	6.016	ug/l	
43) Isopropyl Acetate	8.677	43	29127	2.977	ug/l	94

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

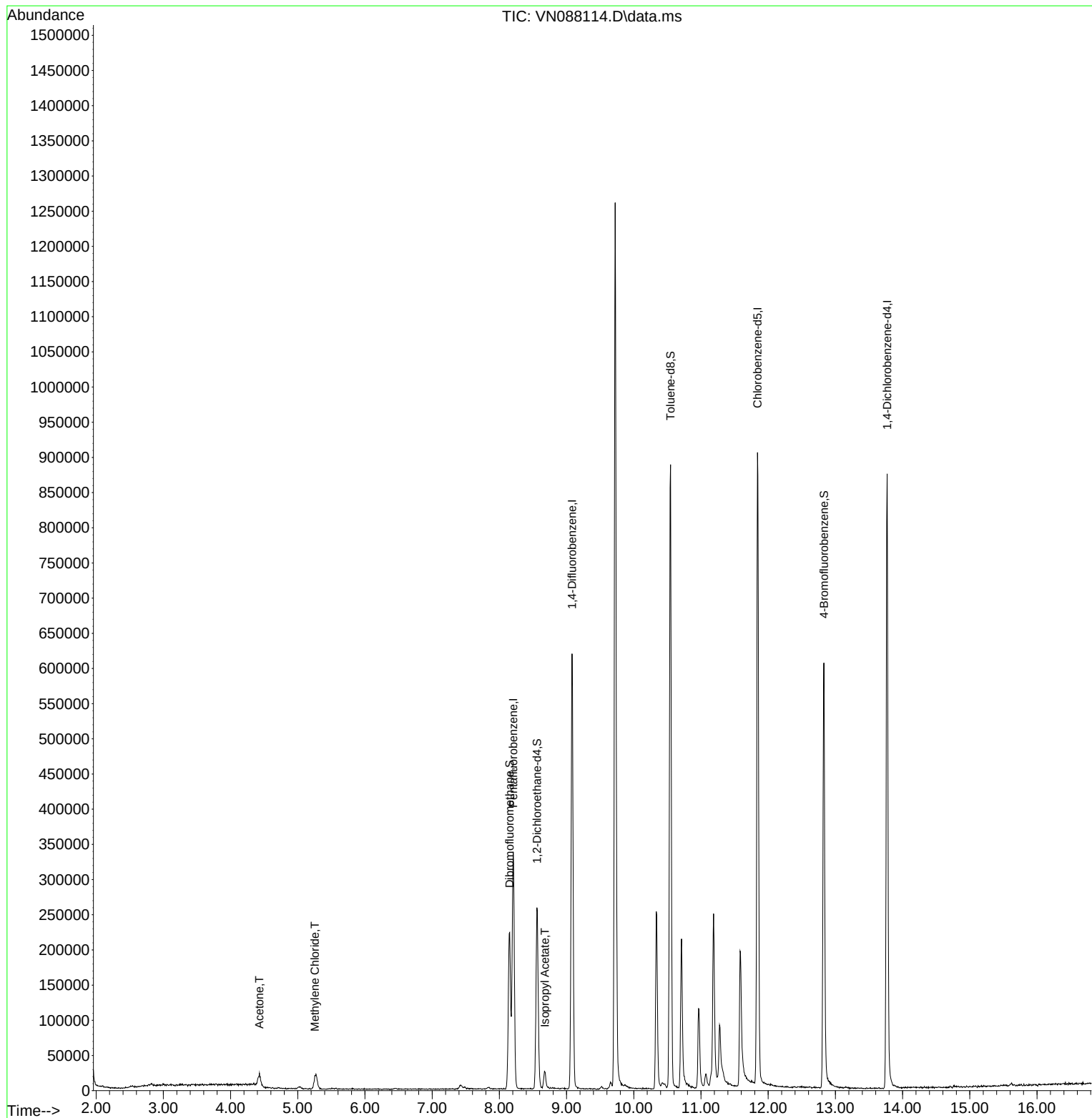
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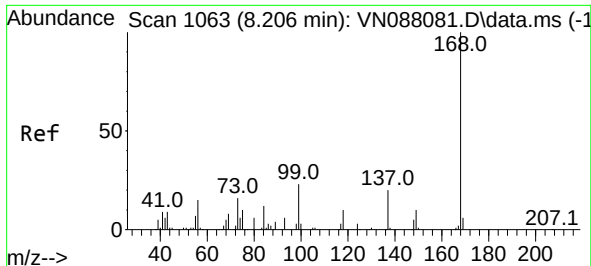
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
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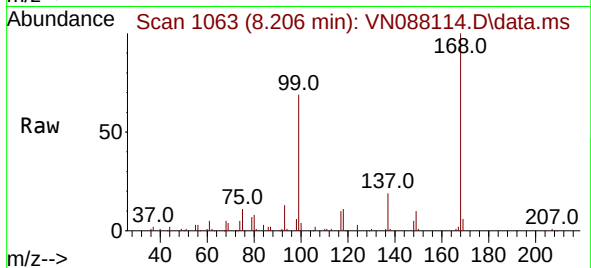
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

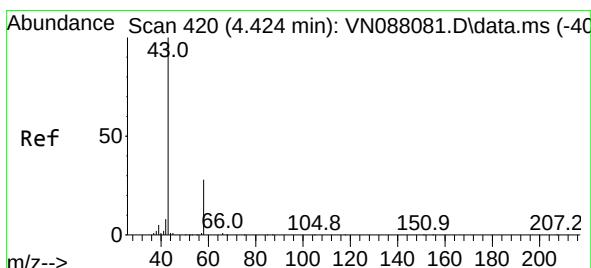
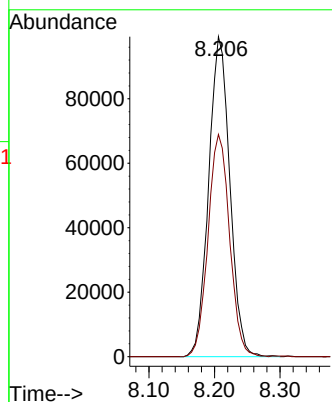
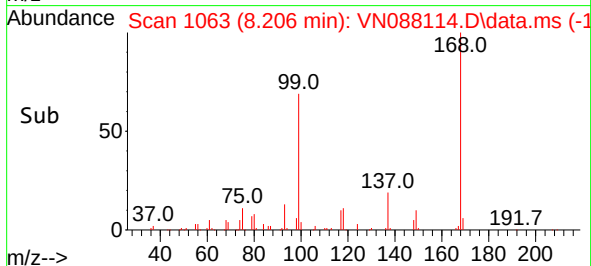
Instrument :
MSVOA_N
ClientSampleId :
JB-2



Tgt Ion:168 Resp: 222769
Ion Ratio Lower Upper
168 100
99 69.4 57.2 85.8

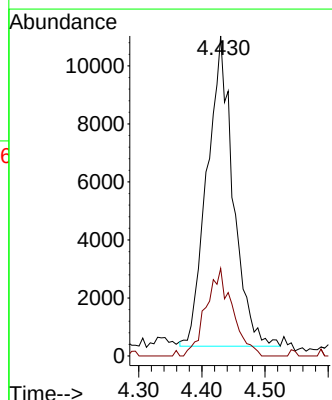
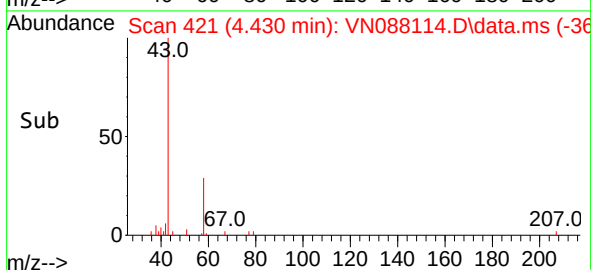
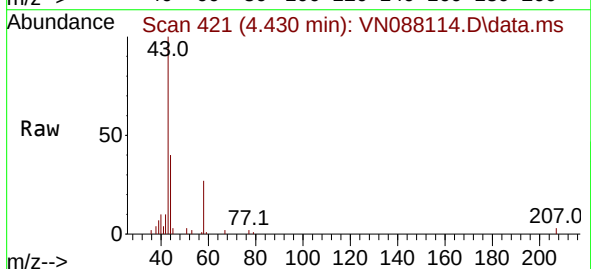
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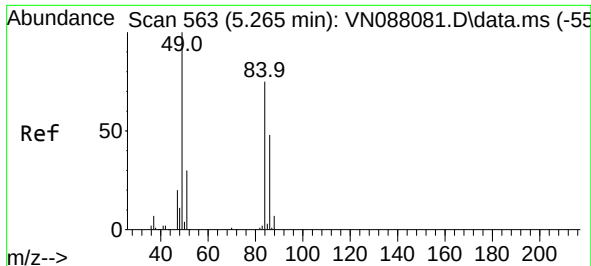
Reviewed By :John Carlone 10/28/2025
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#16
Acetone
Concen: 15.869 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

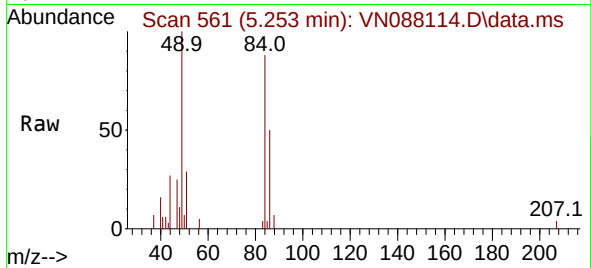
Tgt Ion: 43 Resp: 30711
Ion Ratio Lower Upper
43 100
58 28.2 22.6 33.8





#20
Methylene Chloride
Concen: 6.016 ug/l m
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

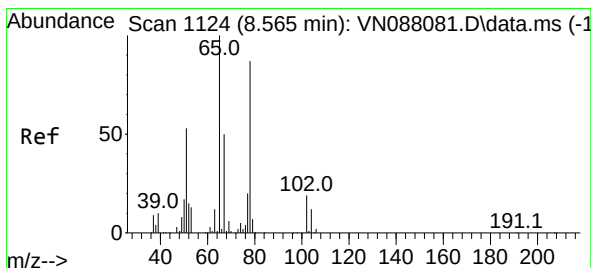
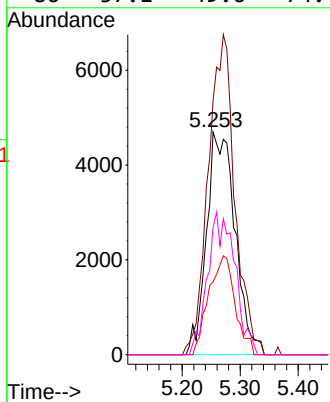
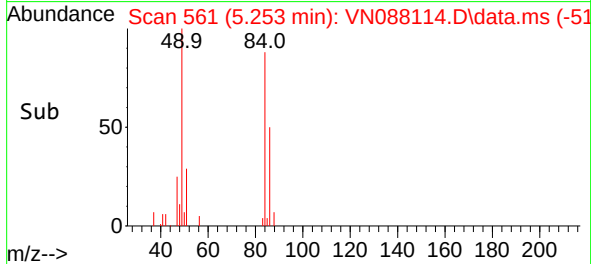
Instrument :
MSVOA_N
ClientSampleId :
JB-2



Tgt Ion:	84	Resp:	1604
Ion	Ratio	Lower	Upper
84	100		
49	114.1	103.4	155.2
51	32.7	33.8	50.8
86	57.1	49.6	74.4

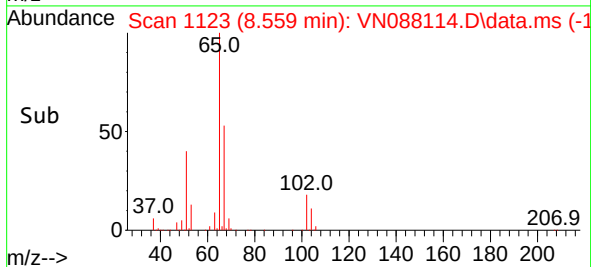
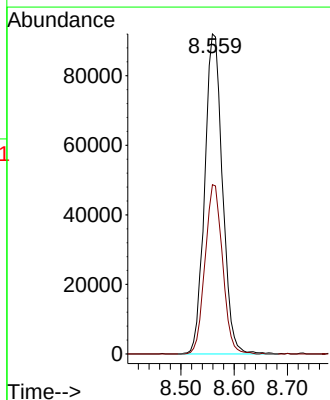
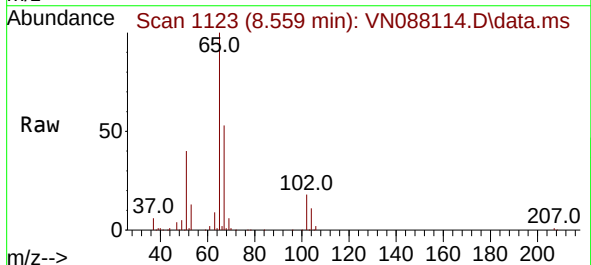
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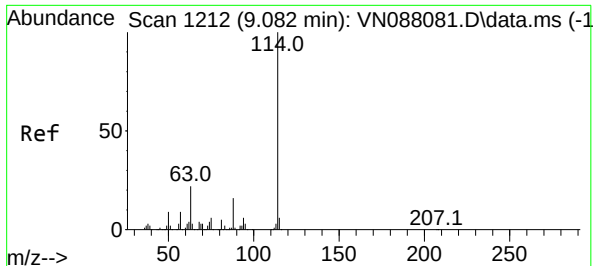
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#33
1,2-Dichloroethane-d4
Concen: 55.402 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

Tgt Ion:	65	Resp:	213416
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088114.D

Acq: 27 Oct 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

JB-2

Tgt Ion:114 Resp: 50301

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

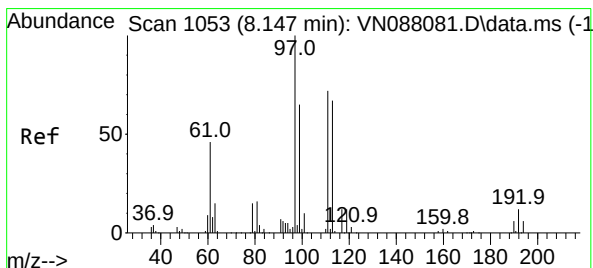
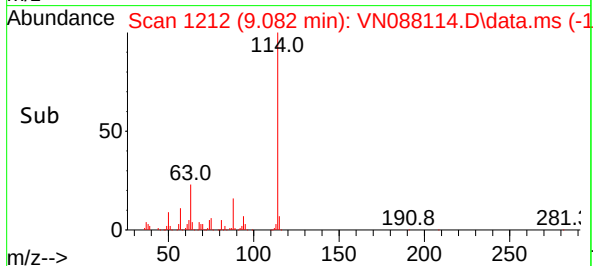
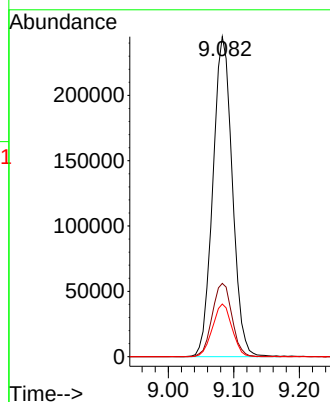
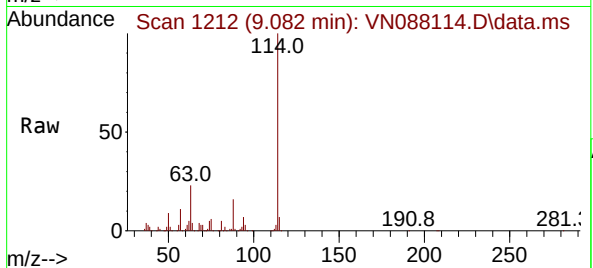
88 16.5 0.0 33.4

Manual Integrations

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#35

Dibromofluoromethane

Concen: 47.924 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088114.D

Acq: 27 Oct 2025 15:15

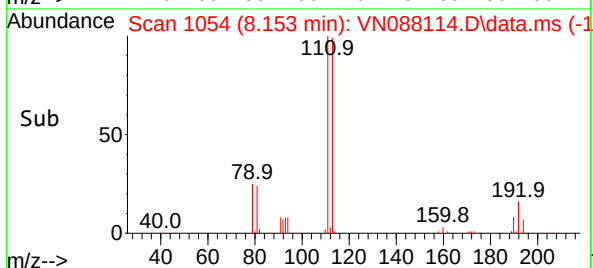
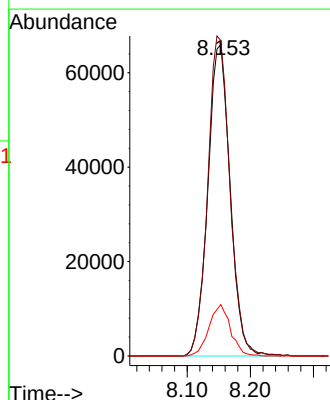
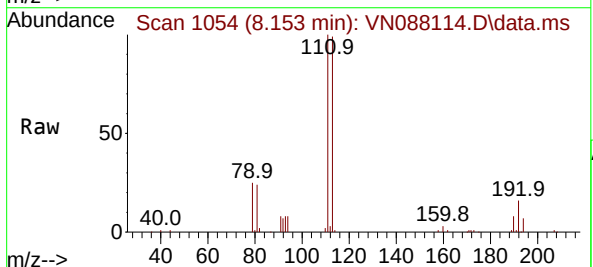
Tgt Ion:113 Resp: 161949

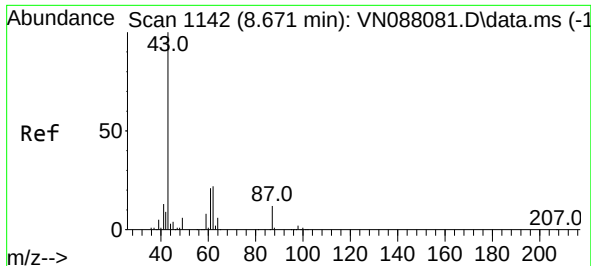
Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

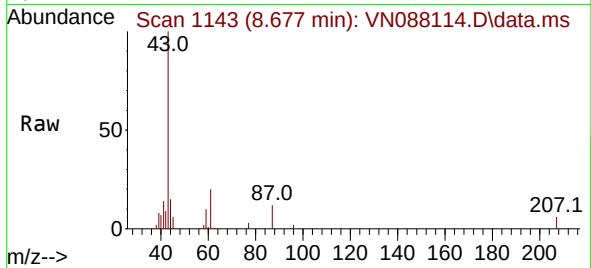
192 15.9 12.8 19.2





#43
Isopropyl Acetate
Concen: 2.977 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

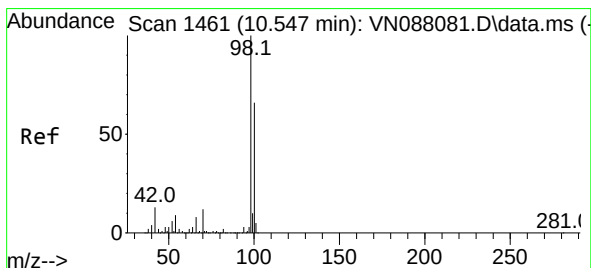
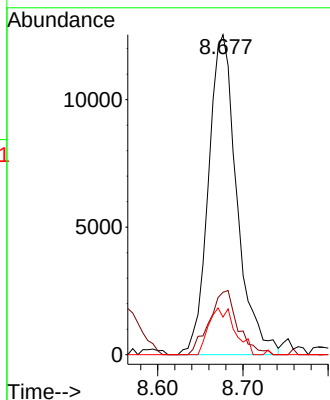
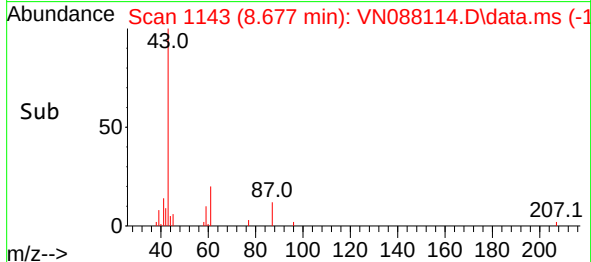
Instrument :
MSVOA_N
ClientSampleId :
JB-2



Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
61 20.0 18.8 28.2
87 13.4 9.6 14.4

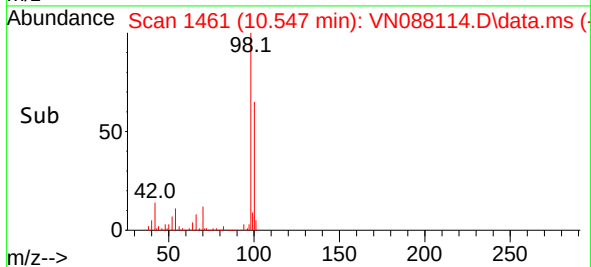
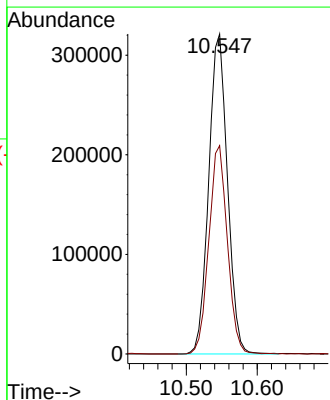
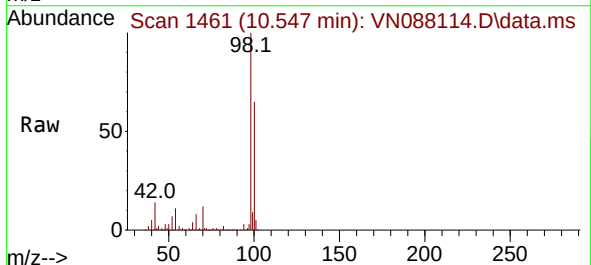
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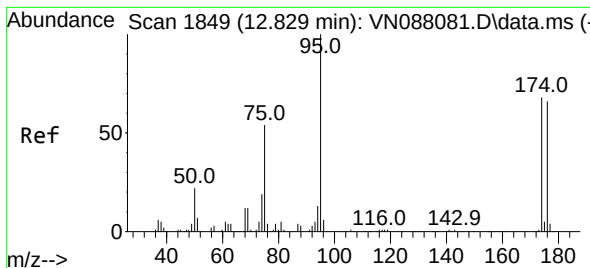
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#50
Toluene-d8
Concen: 45.177 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

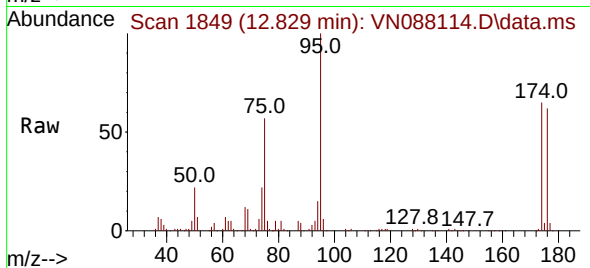
Tgt Ion: 98 Resp: 588253
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2





#62
4-Bromofluorobenzene
Concen: 48.494 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15

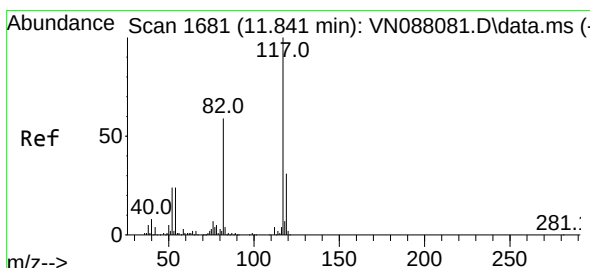
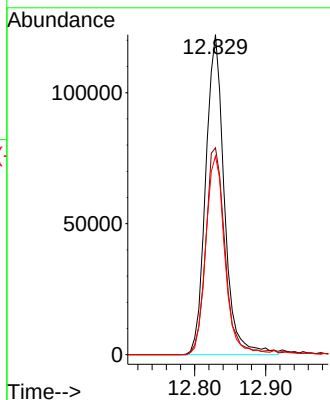
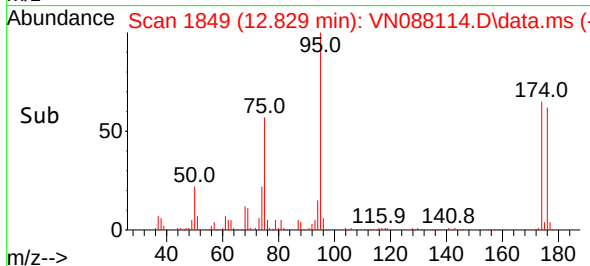
Instrument :
MSVOA_N
ClientSampleId :
JB-2



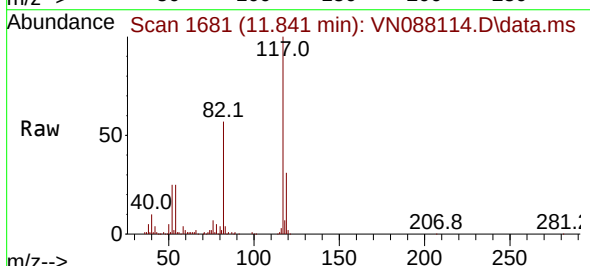
Tgt Ion: 95 Resp: 223000
Ion Ratio Lower Upper
95 100
174 66.6 0.0 138.4
176 63.6 0.0 132.6

Manual Integrations
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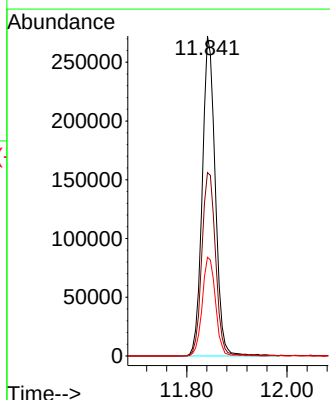
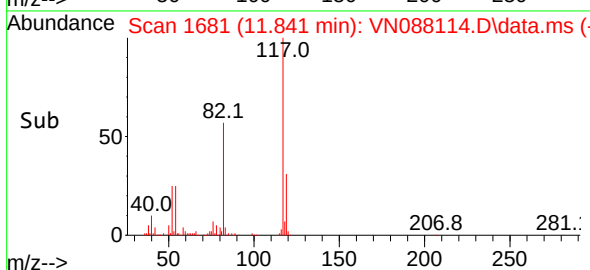
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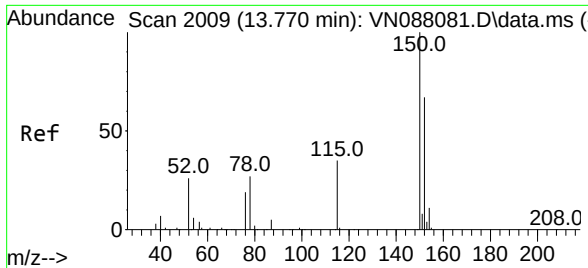


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088114.D
Acq: 27 Oct 2025 15:15



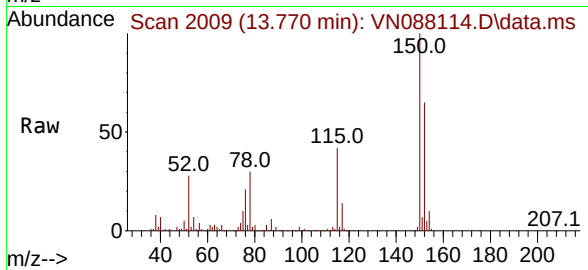
Tgt Ion:117 Resp: 491376
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 30.9 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088114.D
 Acq: 27 Oct 2025 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 JB-2



Tgt Ion:152 Resp: 232209
 Ion Ratio Lower Upper
 152 100
 115 65.4 32.3 96.8
 150 156.6 0.0 351.0

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