

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
 Data File : VN088044.D
 Acq On : 08 Oct 2025 16:23
 Operator : JC\MD
 Sample : Q3281-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(OCT)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:59:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	64341	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	356991	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	318567	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	160423	32.020	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.733%			
60) 4-Bromofluorobenzene	12.829	95	153489	29.226	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.433%			
63) Toluene-d8	10.547	98	430391	30.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.067%			
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	4946m	6.363	ug/l	
18) Methylene Chloride	5.265	84	4357	1.013	ug/l #	88
25) Chloroform	7.947	83	16371	2.097	ug/l	92

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

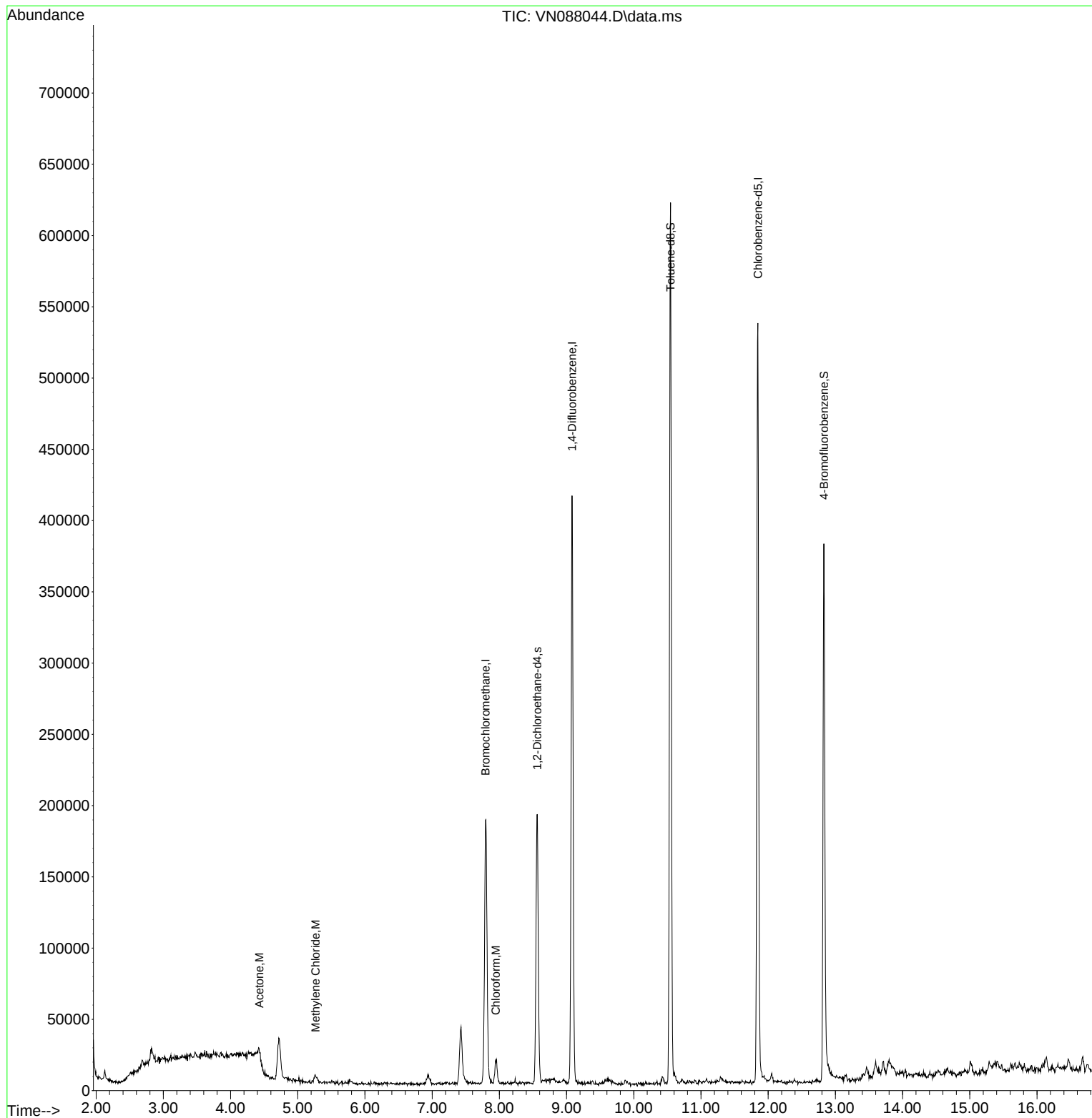
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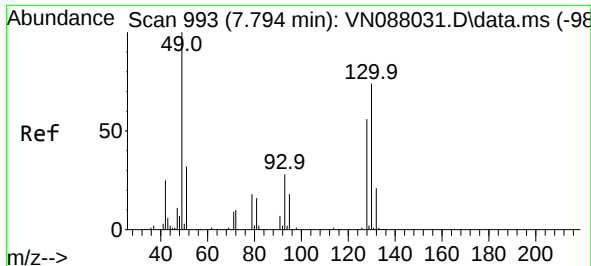
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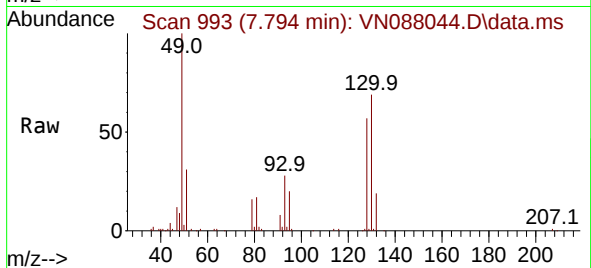
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

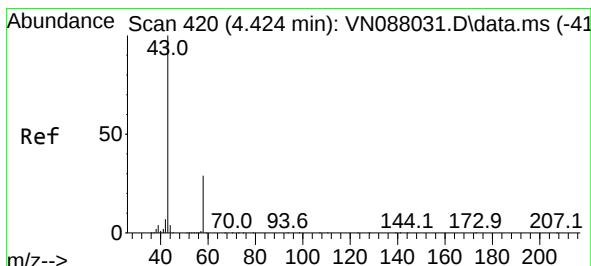
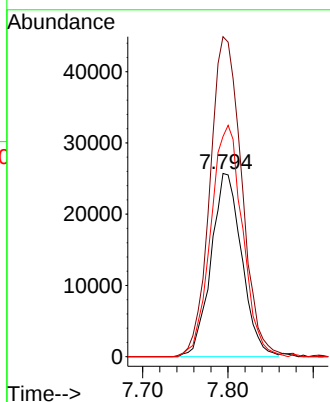
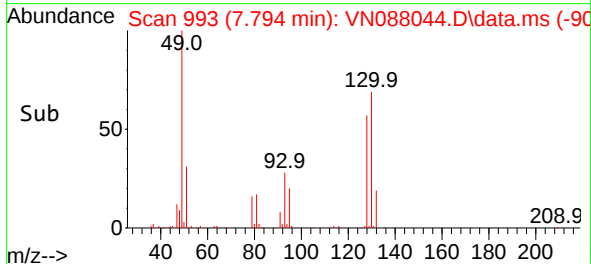
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)



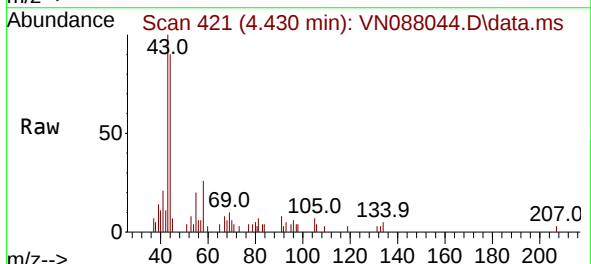
Tgt Ion:128 Resp: 6434
Ion Ratio Lower Upper
128 100
49 180.6 0.0 439.8
130 130.9 0.0 325.8

Manual Integrations
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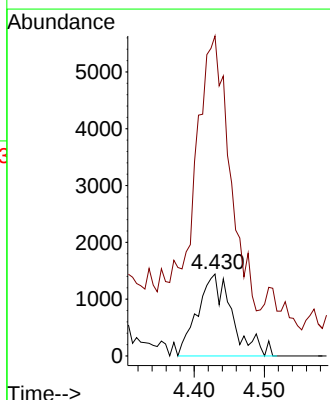
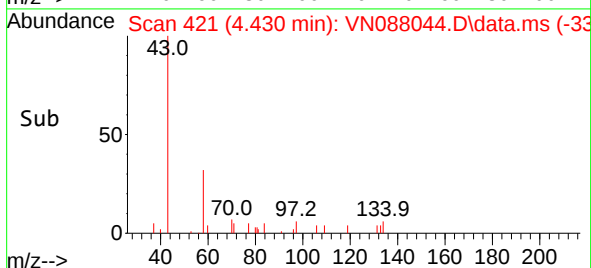
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

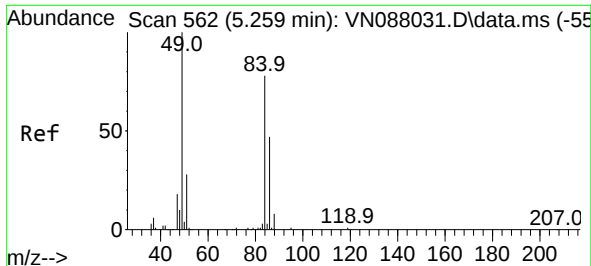


#15
Acetone
Concen: 6.363 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23



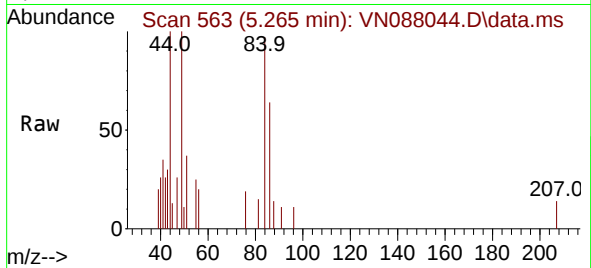
Tgt Ion: 58 Resp: 4946
Ion Ratio Lower Upper
58 100
43 390.2 282.6 424.0





#18
Methylene Chloride
Concen: 1.013 ug/l
RT: 5.265 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

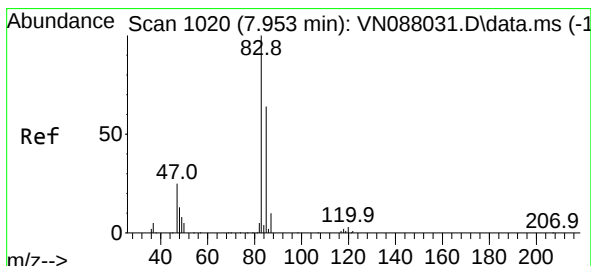
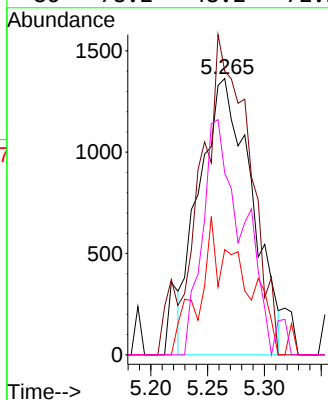
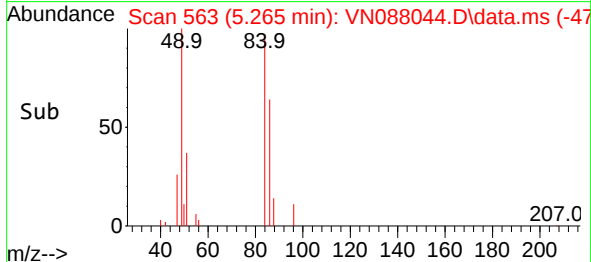
Instrument :
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Tgt Ion: 84 Resp: 435
Ion Ratio Lower Upper
84 100
49 122.2 102.6 153.8
51 45.3 28.6 42.8
86 78.2 48.2 72.2#

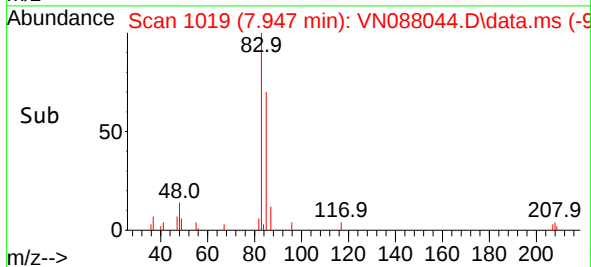
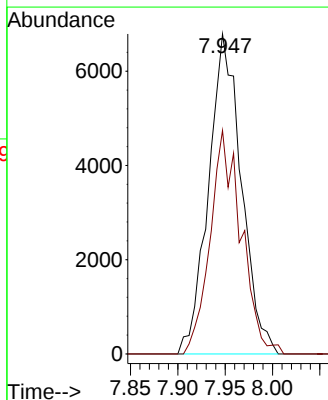
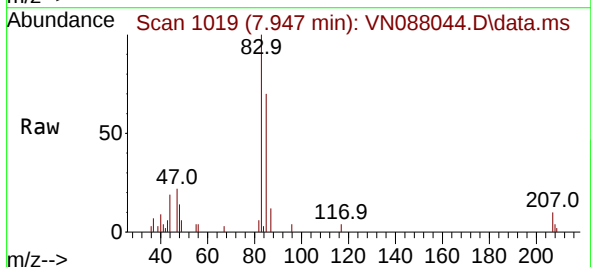
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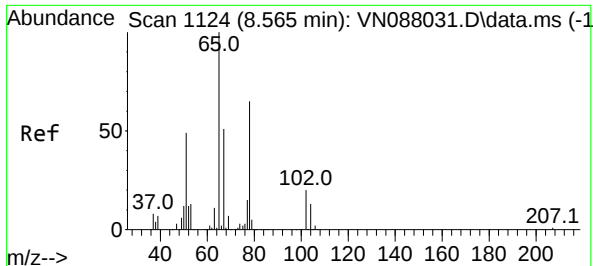
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#25
Chloroform
Concen: 2.097 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

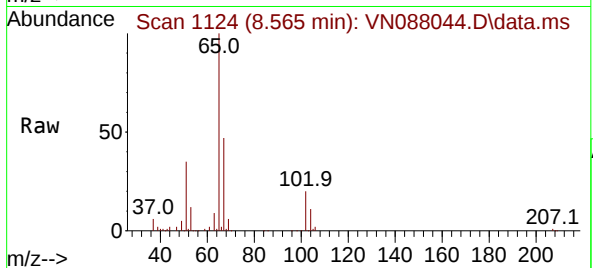
Tgt Ion: 83 Resp: 16371
Ion Ratio Lower Upper
83 100
85 69.8 50.9 76.3





#27
1,2-Dichloroethane-d4
Concen: 32.020 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

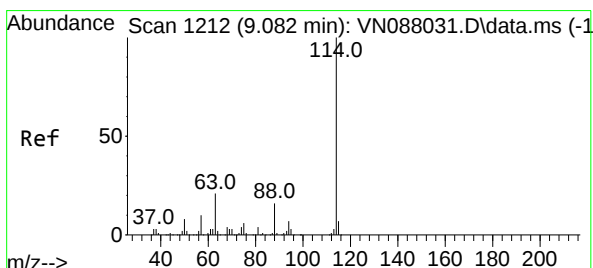
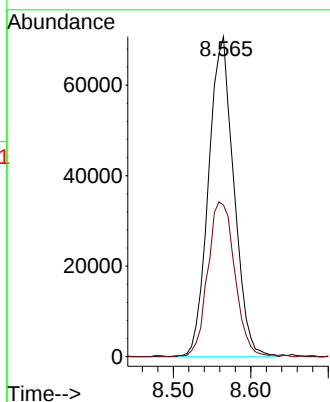
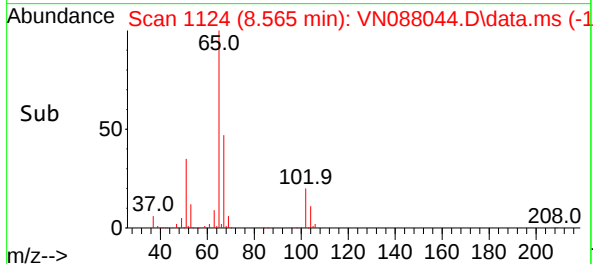
Instrument :
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Tgt Ion: 65 Resp: 16042
Ion Ratio Lower Upper
65 100
67 51.5 41.9 62.9

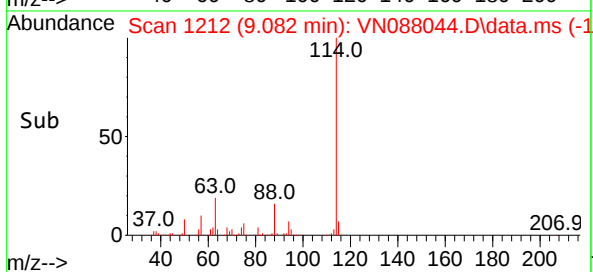
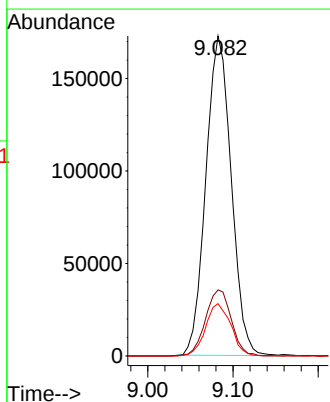
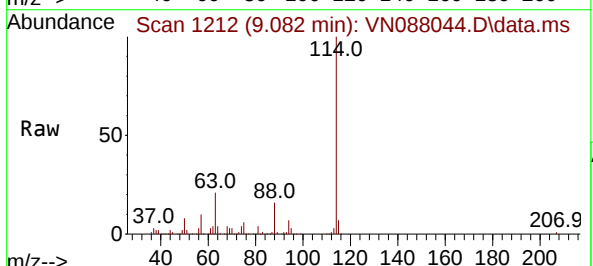
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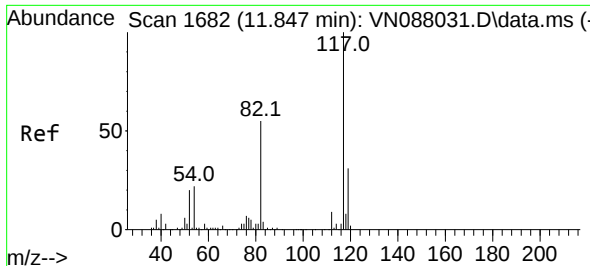
Reviewed By :John Carlone 10/09/2025
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#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

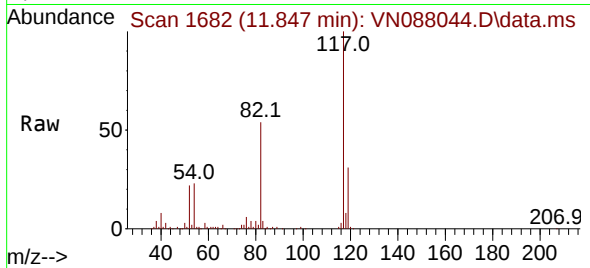
Tgt Ion:114 Resp: 356991
Ion Ratio Lower Upper
114 100
63 21.1 16.6 25.0
88 16.3 12.6 18.8





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

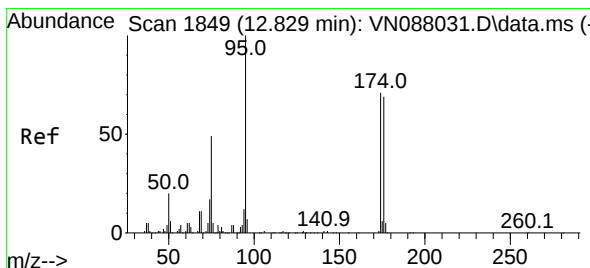
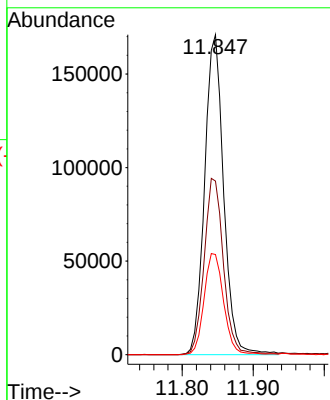
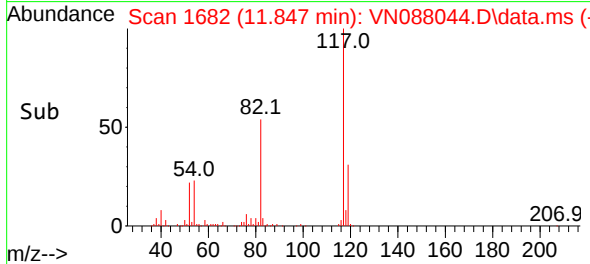
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 31856
Ion Ratio Lower Upper
117 100
82 55.9 45.2 67.8
119 32.4 25.9 38.9

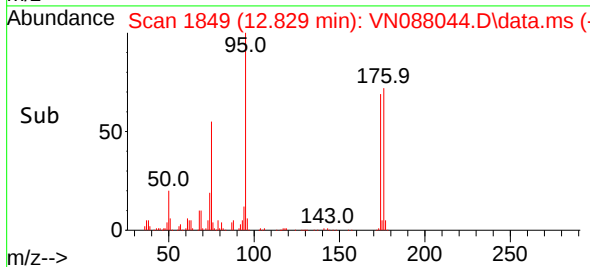
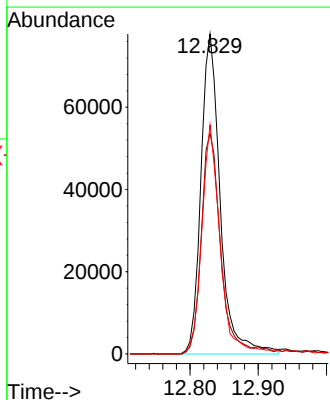
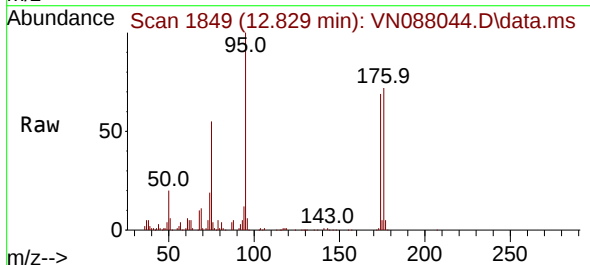
Manual Integrations
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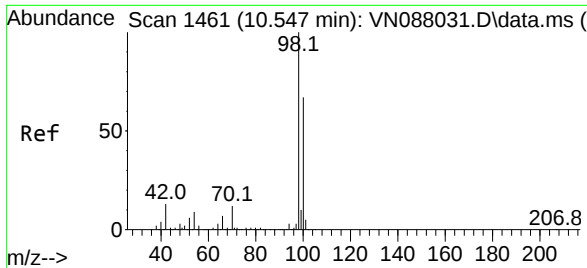
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
4-Bromofluorobenzene
Concen: 29.226 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

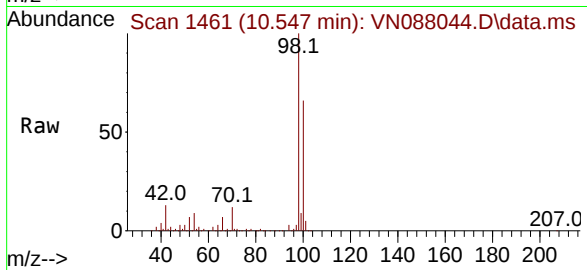
Tgt Ion: 95 Resp: 153489
Ion Ratio Lower Upper
95 100
174 68.0 57.4 86.0
176 68.0 57.0 85.4





#63
Toluene-d8
Concen: 30.323 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088044.D
Acq: 08 Oct 2025 16:23

Instrument :
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Tgt Ion: 98 Resp: 43039
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

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