

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087463.D
 Acq On : 05 Aug 2025 18:14
 Operator : JC\MD
 Sample : Q2771-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 06 02:44:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

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

Internal Standards						
1) Bromochloromethane	7.794	128	54767	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	306638	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	270091	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	158888	31.454	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.833%			
60) 4-Bromofluorobenzene	12.829	95	130789	28.138	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.800%			
63) Toluene-d8	10.547	98	374556	30.139	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.467%			
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	18833m	27.270	ug/l	
25) Chloroform	7.953	83	266418	35.452	ug/l	98
30) 2-Butanone	7.483	43	24308	6.594	ug/l #	80
41) Bromodichloromethane	9.865	83	21982	3.483	ug/l #	83
46) Methyl methacrylate	9.665	41	13676	2.400	ug/l	96
62) Toluene	10.612	91	429185	25.746	ug/l	100
82) p-Isopropyltoluene	13.706	119	9452	0.635	ug/l	85

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

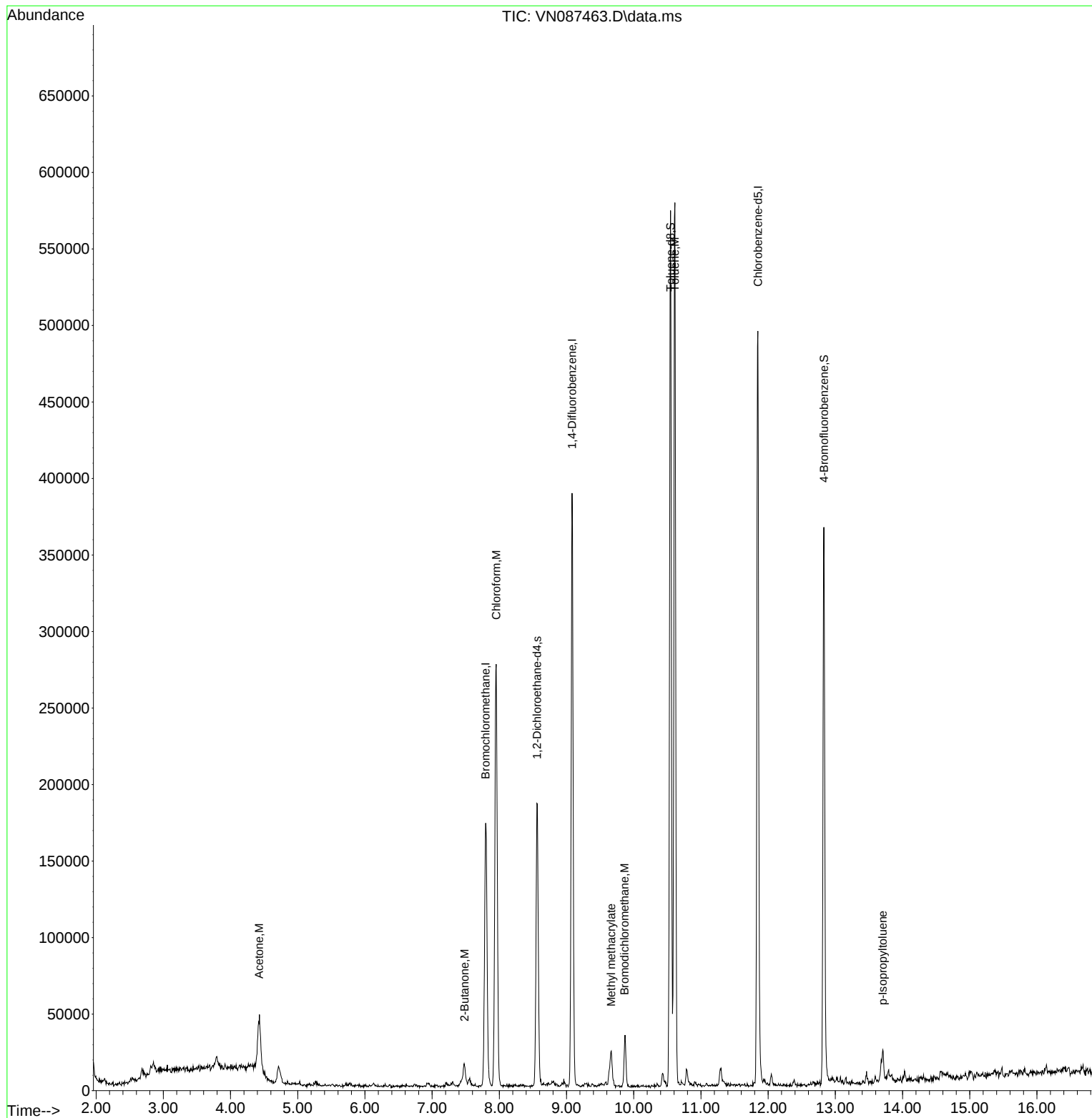
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Quant Time: Aug 06 02:44:23 2025
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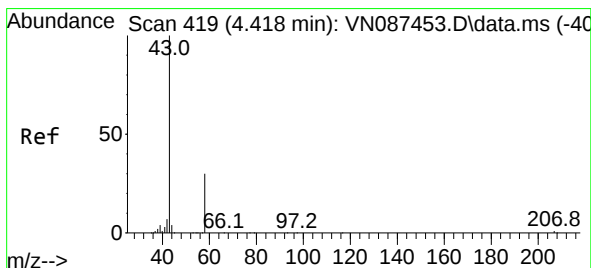
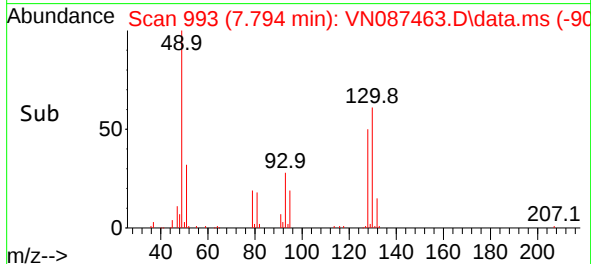
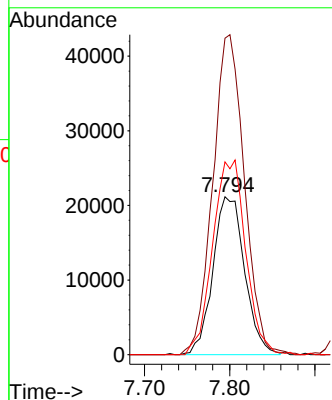
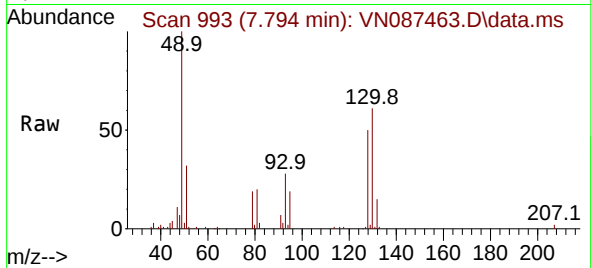
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

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

Tgt Ion:128 Resp: 5476
Ion Ratio Lower Upper
128 100
49 202.0 0.0 494.8
130 128.3 0.0 321.5

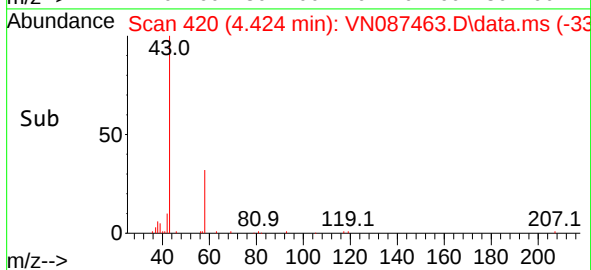
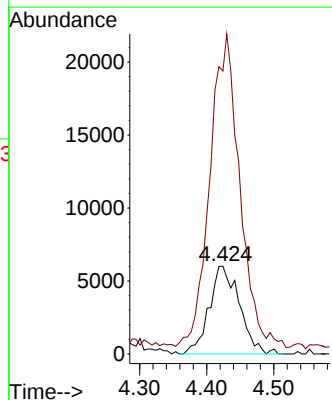
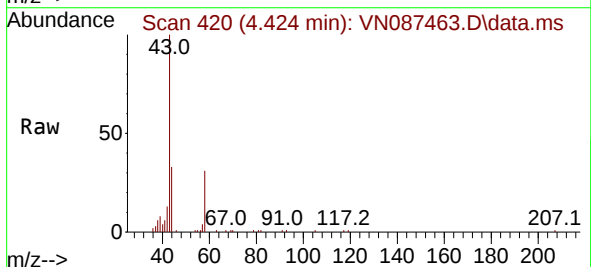
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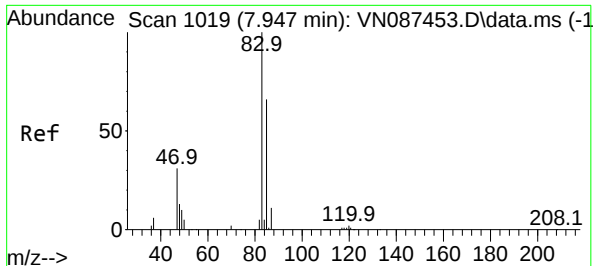
Reviewed By :John Carlone 08/06/2025
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#15
Acetone
Concen: 27.270 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

Tgt Ion: 58 Resp: 18833
Ion Ratio Lower Upper
58 100
43 322.9 268.9 403.3





#25

Chloroform

Concen: 35.452 ug/l

RT: 7.953 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VN087463.D

Acq: 05 Aug 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 83 Resp: 266418

Ion Ratio Lower Upper

83 100

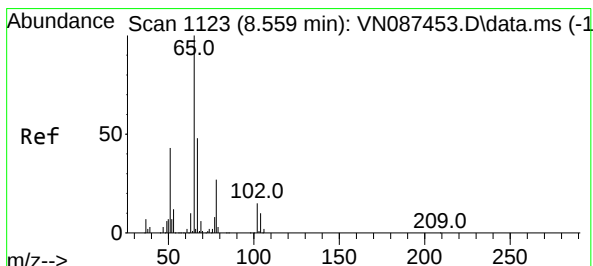
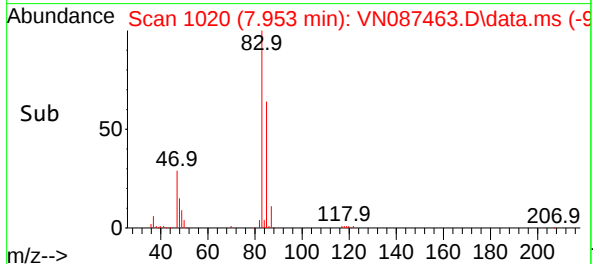
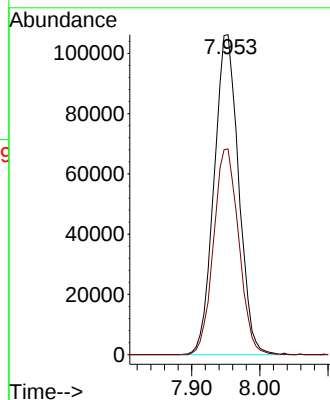
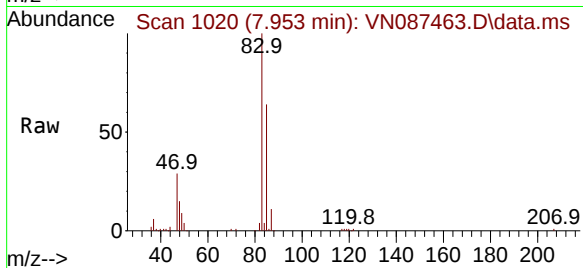
85 64.3 52.6 78.8

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 31.454 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087463.D

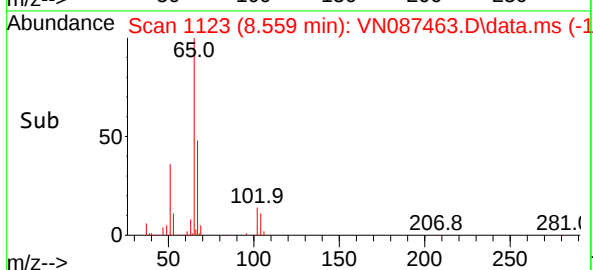
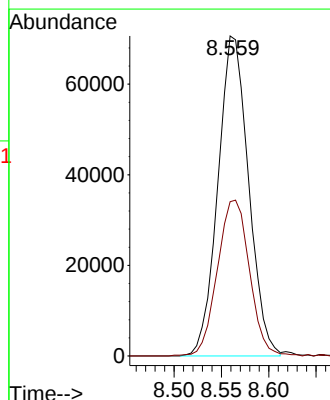
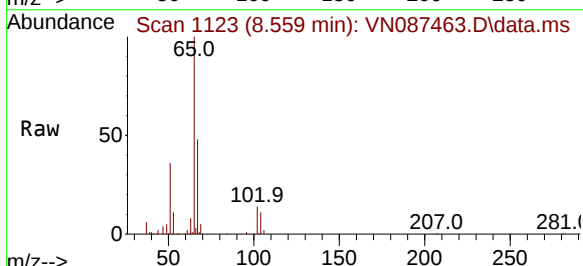
Acq: 05 Aug 2025 18:14

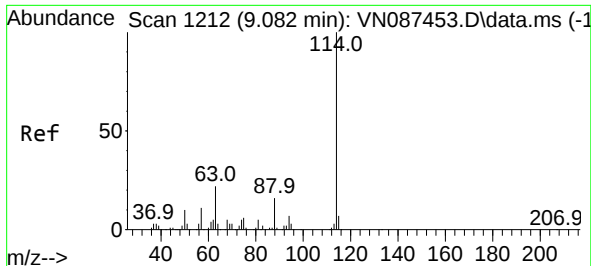
Tgt Ion: 65 Resp: 158888

Ion Ratio Lower Upper

65 100

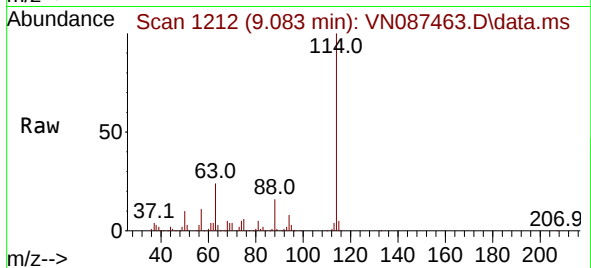
67 51.0 40.8 61.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

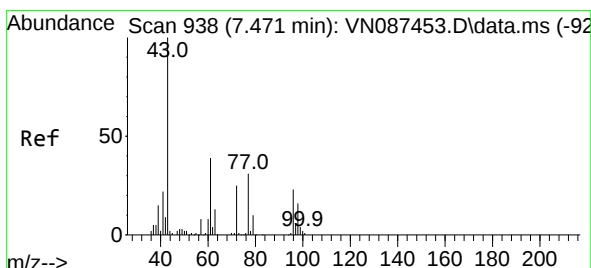
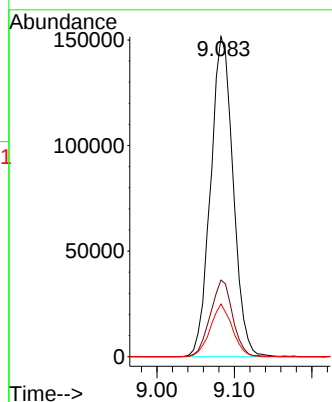
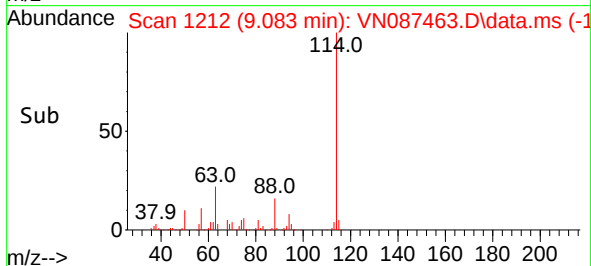
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:114 Resp: 306638
Ion Ratio Lower Upper
114 100
63 23.7 18.9 28.3
88 16.0 13.1 19.7

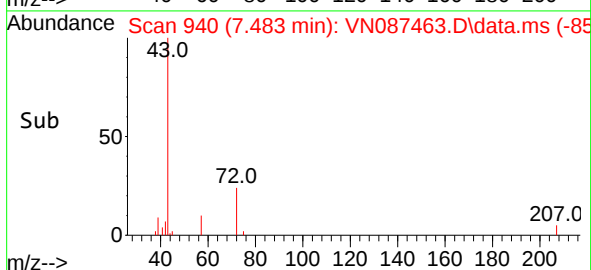
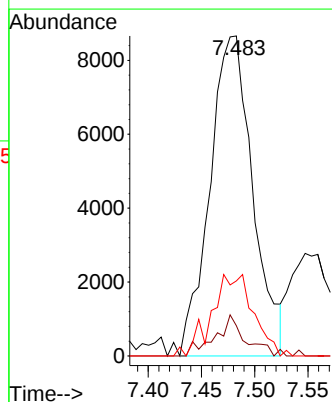
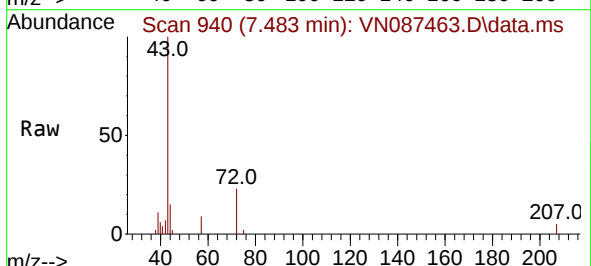
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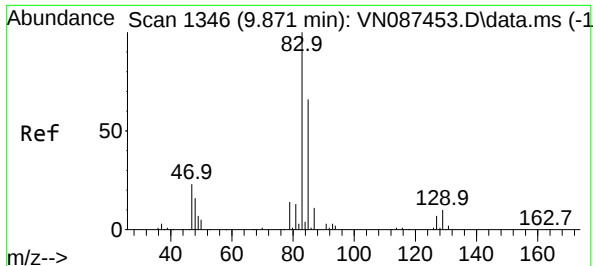
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#30
2-Butanone
Concen: 6.594 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

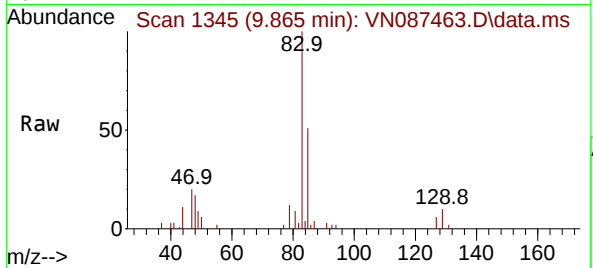
Tgt Ion: 43 Resp: 24308
Ion Ratio Lower Upper
43 100
57 6.6 6.6 9.8
72 12.0 19.7 29.5#





#41
Bromodichloromethane
Concen: 3.483 ug/l
RT: 9.865 min Scan# 1346
Delta R.T. -0.006 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

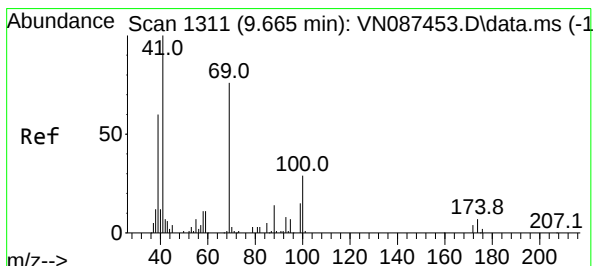
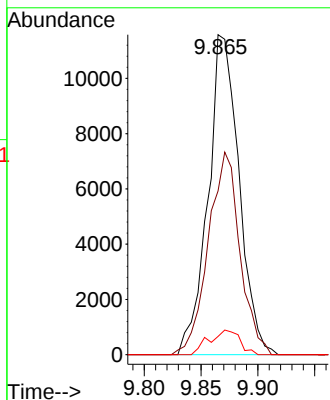
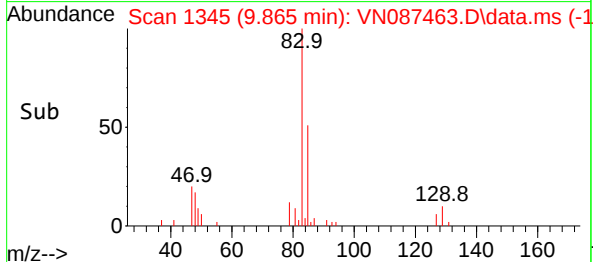
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 83 Resp: 2198
Ion Ratio Lower Upper
83 100
85 51.2 52.9 79.3
127 5.7 5.8 8.6

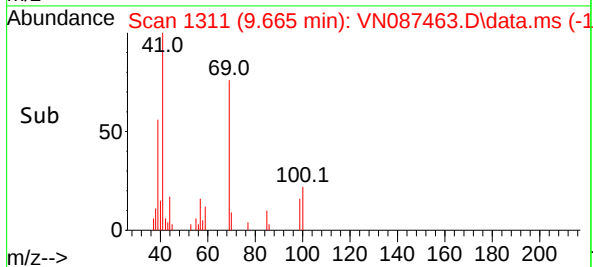
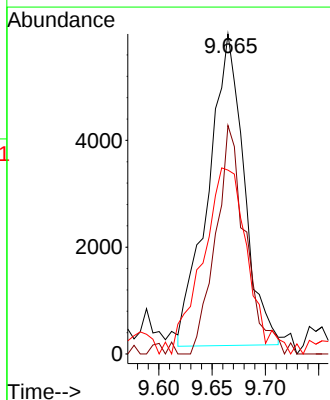
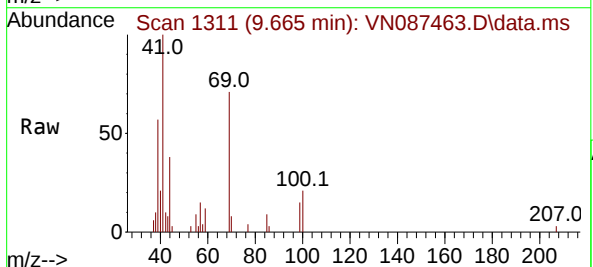
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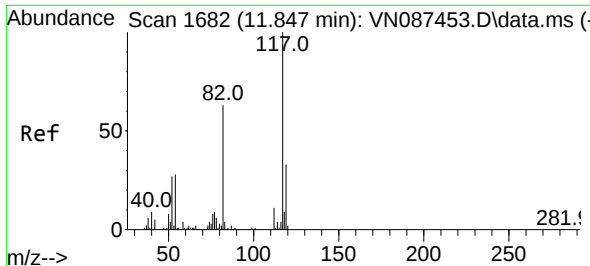
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#46
Methyl methacrylate
Concen: 2.400 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

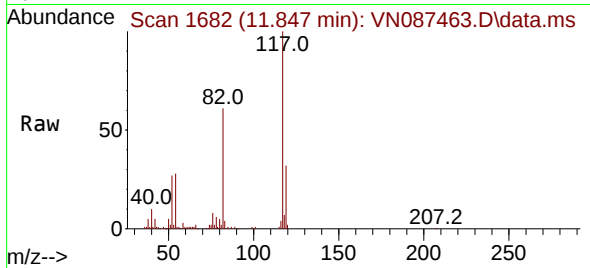
Tgt Ion: 41 Resp: 13676
Ion Ratio Lower Upper
41 100
69 75.3 37.1 111.5
39 55.7 30.7 92.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

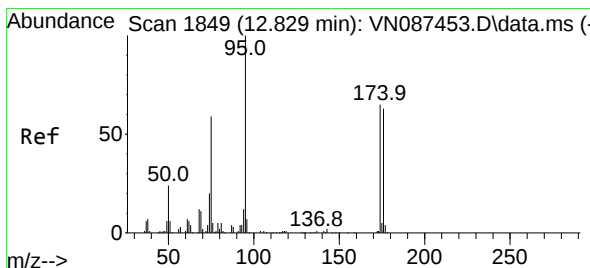
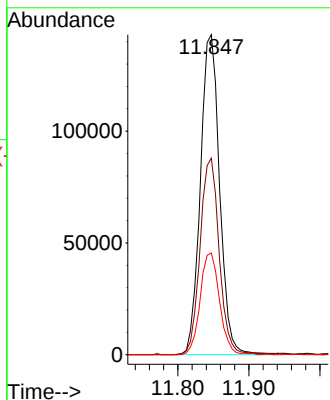
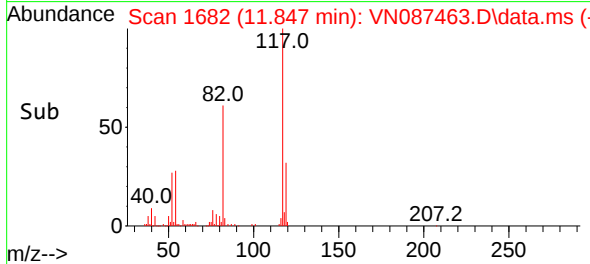
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 117 Resp: 270091
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 31.9 25.7 38.5

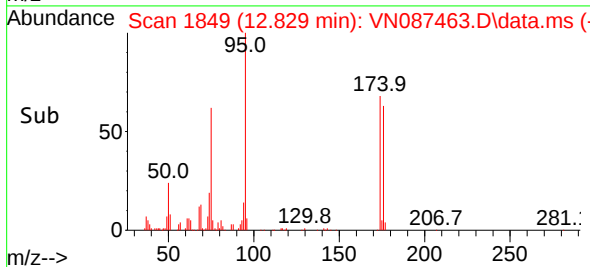
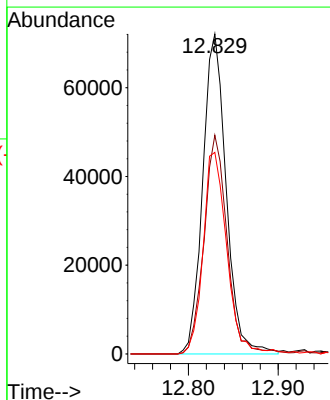
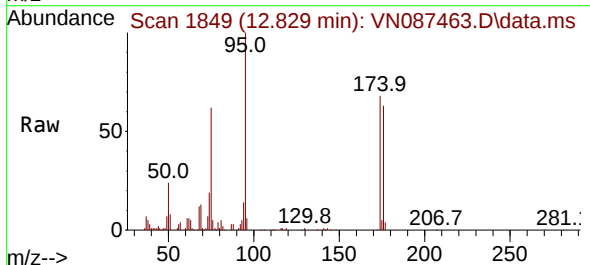
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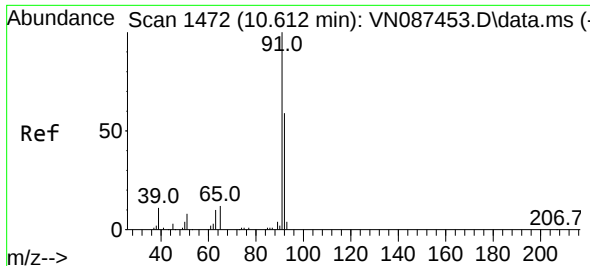
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#60
4-Bromofluorobenzene
Concen: 28.138 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

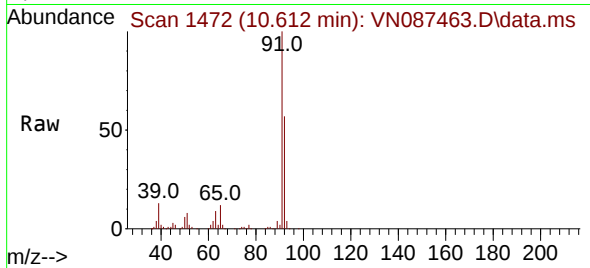
Tgt Ion: 95 Resp: 130789
Ion Ratio Lower Upper
95 100
174 67.0 52.3 78.5
176 63.3 49.8 74.8





#62
Toluene
Concen: 25.746 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14

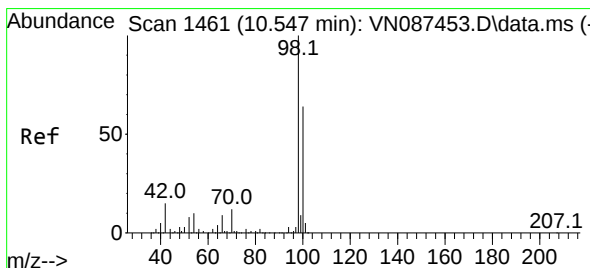
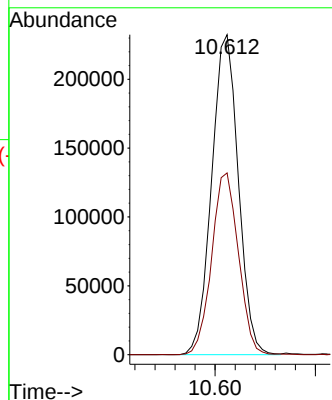
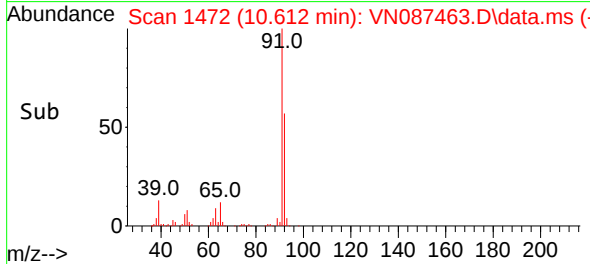
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(JUNE)



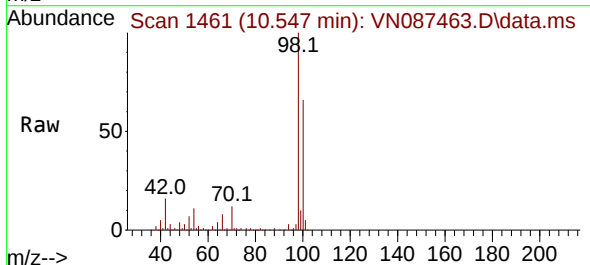
Tgt Ion: 91 Resp: 429185
Ion Ratio Lower Upper
91 100
92 56.9 45.8 68.6

Manual Integrations
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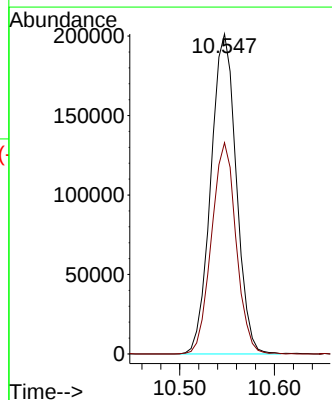
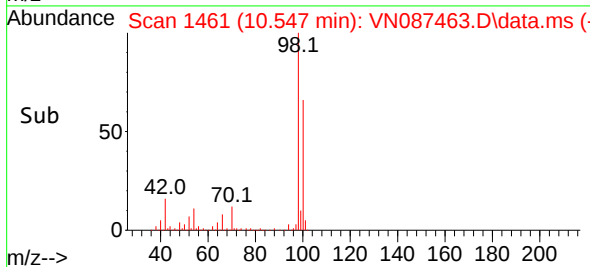
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Supervised By :Mahesh Dadoda 08/06/2025

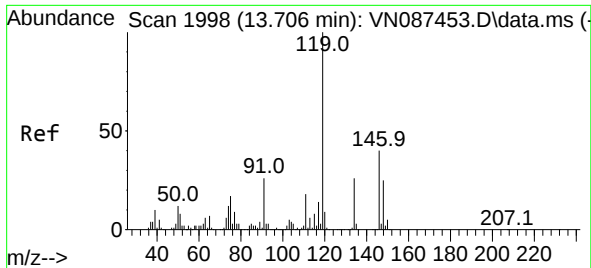


#63
Toluene-d8
Concen: 30.139 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087463.D
Acq: 05 Aug 2025 18:14



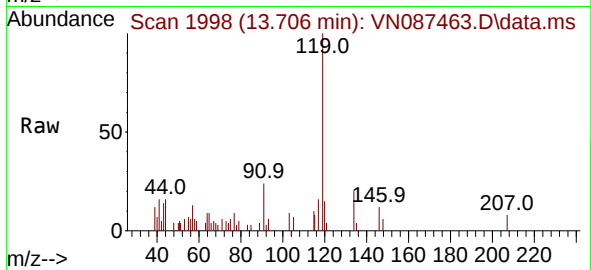
Tgt Ion: 98 Resp: 374556
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7





#82
 p-Isopropyltoluene
 Concen: 0.635 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087463.D
 Acq: 05 Aug 2025 18:14

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



Tgt Ion:	119	Resp:	945
Ion Ratio	Lower	Upper	
119	100		
134	23.3	0.0	51.4
91	13.5	0.0	52.0

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