

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087480.D
 Acq On : 06 Aug 2025 14:21
 Operator : JC\MD
 Sample : Q2769-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 07 03:38:54 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 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

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

Internal Standards						
1) Bromochloromethane	7.806	128	64597	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	379363	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	328303	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	182776	30.677	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.267%			
60) 4-Bromofluorobenzene	12.829	95	159193	28.176	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.933%			
63) Toluene-d8	10.547	98	469846	31.103	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.667%			
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	18950	23.264	ug/l	100
25) Chloroform	7.953	83	247727	27.949	ug/l	99
30) 2-Butanone	7.483	43	22976	5.038	ug/l #	96
41) Bromodichloromethane	9.871	83	19783	2.534	ug/l	87
46) Methyl methacrylate	9.665	41	11996	1.702	ug/l	83
58) 4-Methyl-2-Pentanone	10.424	43	8654m	1.025	ug/l	
62) Toluene	10.612	91	390764	19.285	ug/l	100
82) p-Isopropyltoluene	13.712	119	8097	0.448	ug/l	86

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

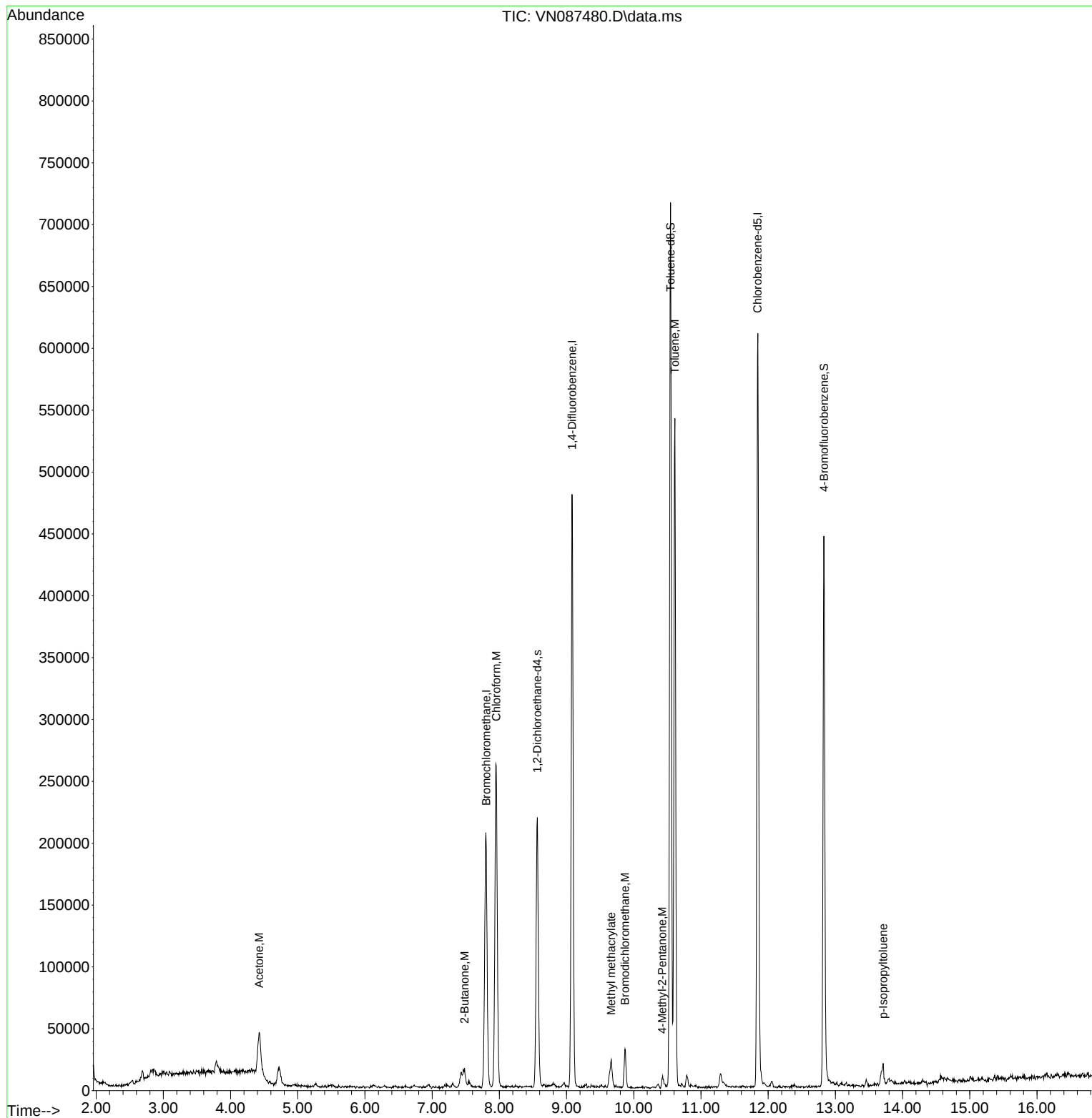
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
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ClientSampleId :
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Quant Time: Aug 07 03:38:54 2025
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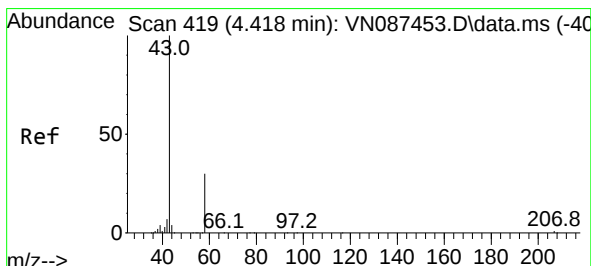
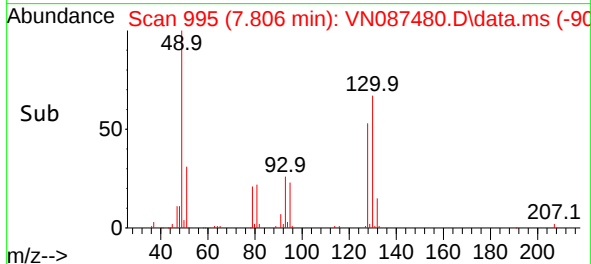
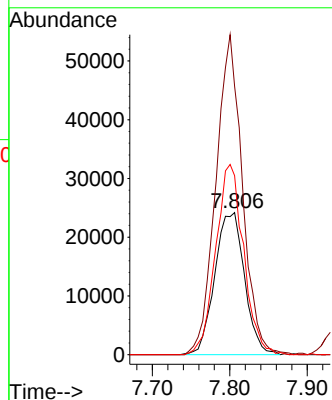
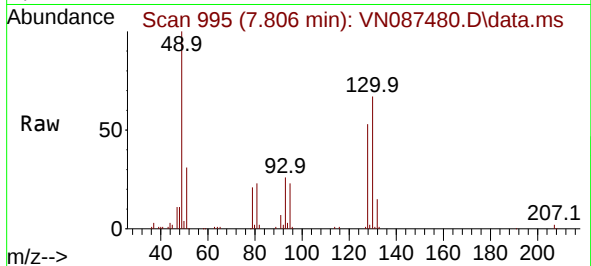
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

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

Tgt Ion:128 Resp: 6459
Ion Ratio Lower Upper
128 100
49 200.7 0.0 494.8
130 125.3 0.0 321.5

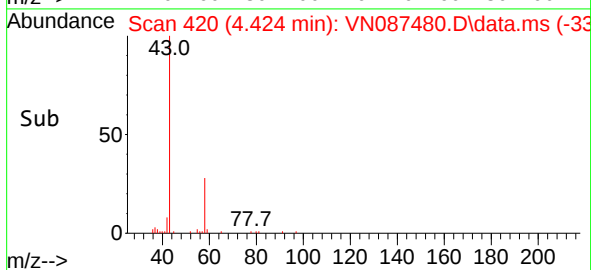
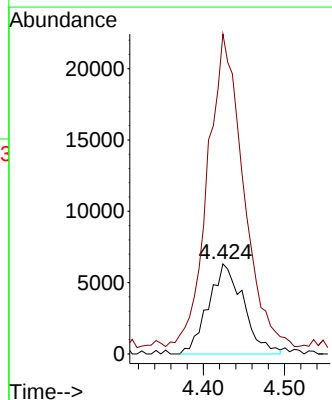
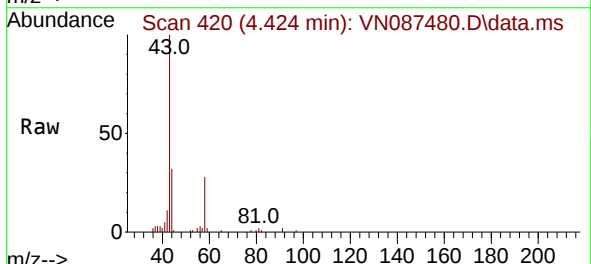
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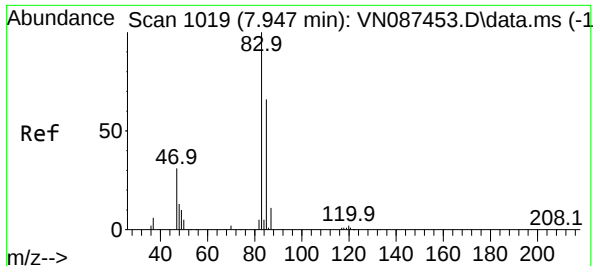
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#15
Acetone
Concen: 23.264 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

Tgt Ion: 58 Resp: 18950
Ion Ratio Lower Upper
58 100
43 336.0 268.9 403.3





#25

Chloroform

Concen: 27.949 ug/l

RT: 7.953 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VN087480.D

Acq: 06 Aug 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 83 Resp: 24772

Ion Ratio Lower Upper

83 100

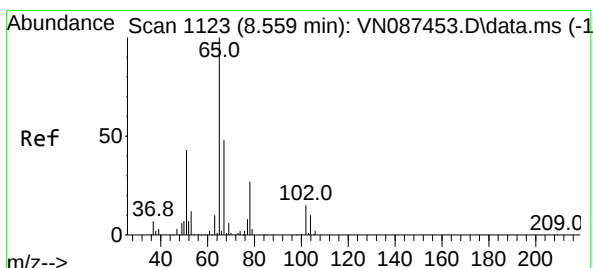
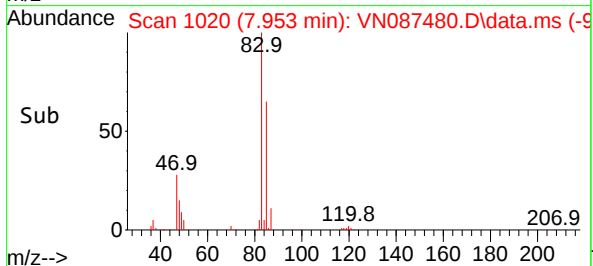
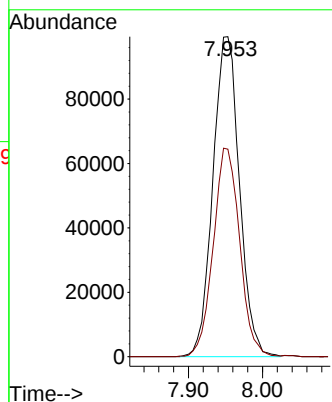
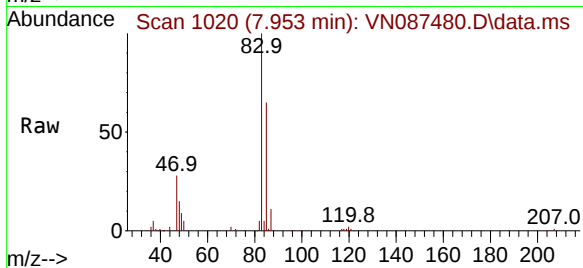
85 64.7 52.6 78.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/07/2025



#27

1,2-Dichloroethane-d4

Concen: 30.677 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN087480.D

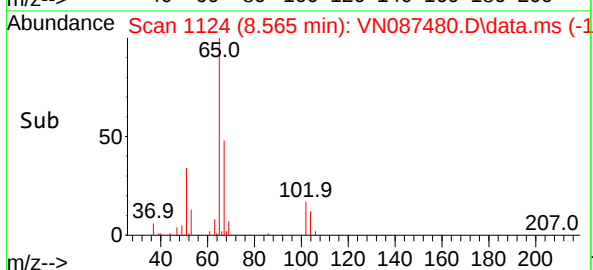
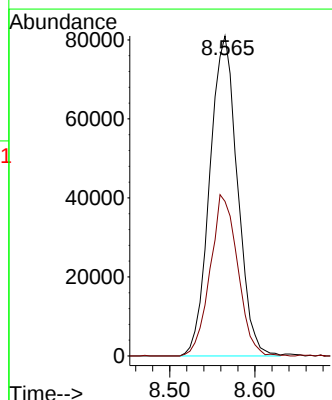
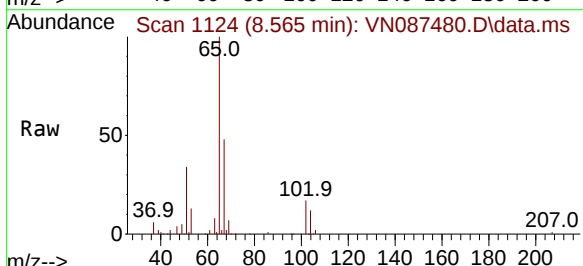
Acq: 06 Aug 2025 14:21

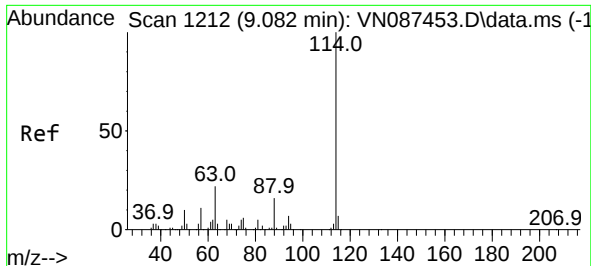
Tgt Ion: 65 Resp: 182776

Ion Ratio Lower Upper

65 100

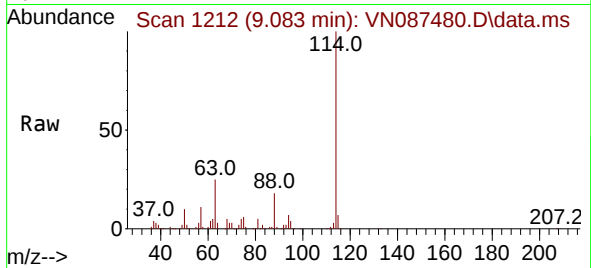
67 49.8 40.8 61.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

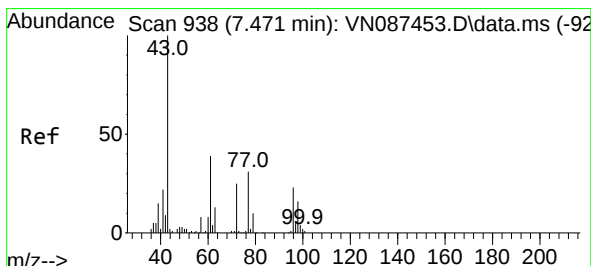
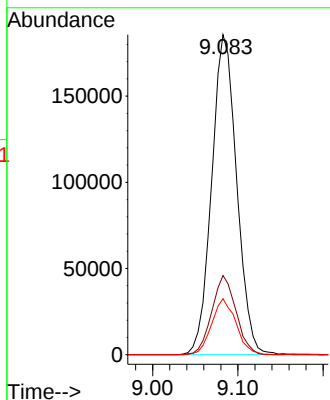
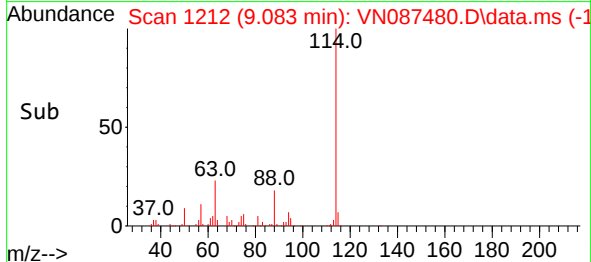
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)



Tgt Ion:114 Resp: 37936
Ion Ratio Lower Upper
114 100
63 23.9 18.9 28.3
88 17.0 13.1 19.7

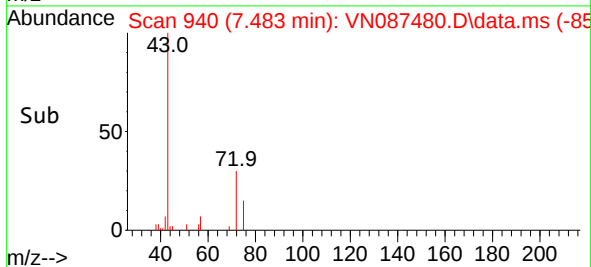
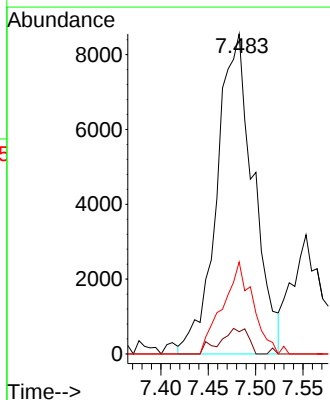
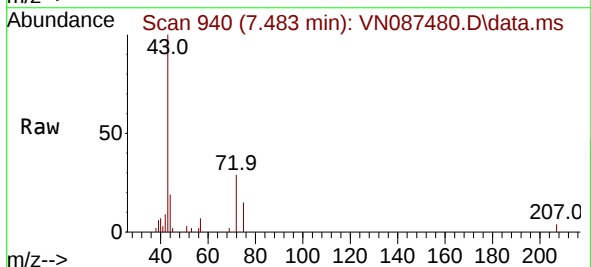
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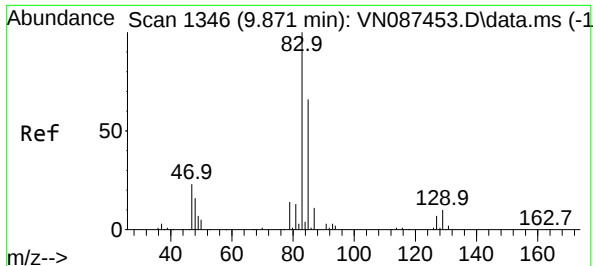
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#30
2-Butanone
Concen: 5.038 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

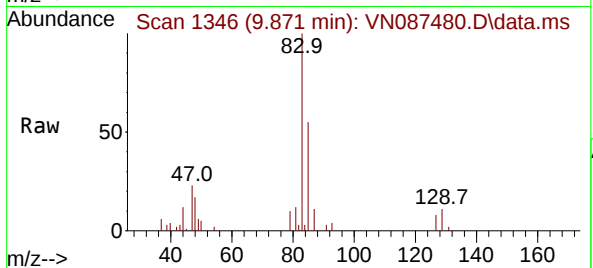
Tgt Ion: 43 Resp: 22976
Ion Ratio Lower Upper
43 100
57 4.9 6.6 9.8#
72 23.6 19.7 29.5





#41
Bromodichloromethane
Concen: 2.534 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

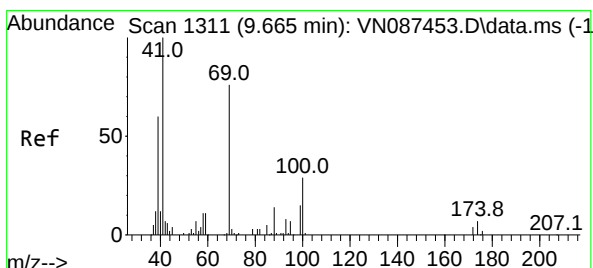
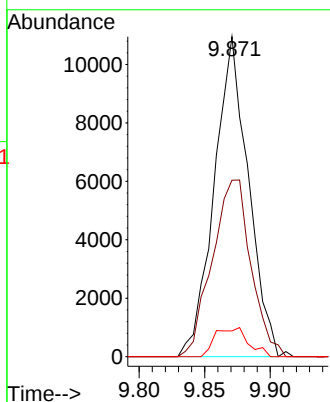
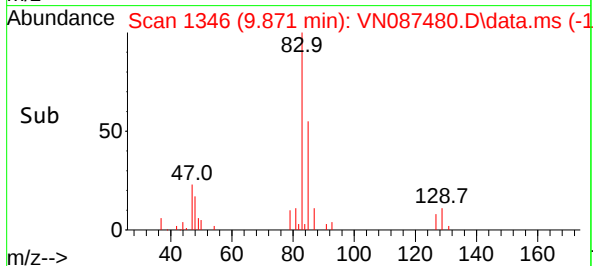
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)



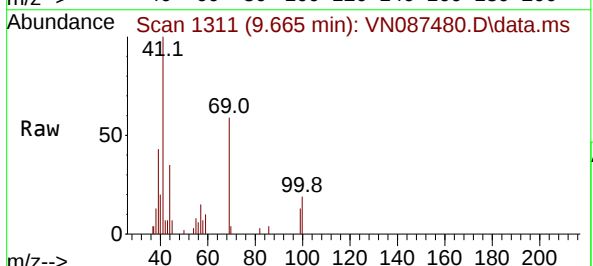
Tgt Ion: 83 Resp: 1978
Ion Ratio Lower Upper
83 100
85 55.1 52.9 79.3
127 8.1 5.8 8.6

Manual Integrations
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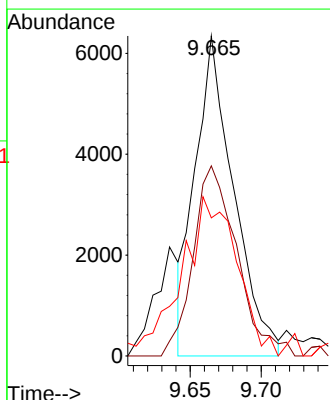
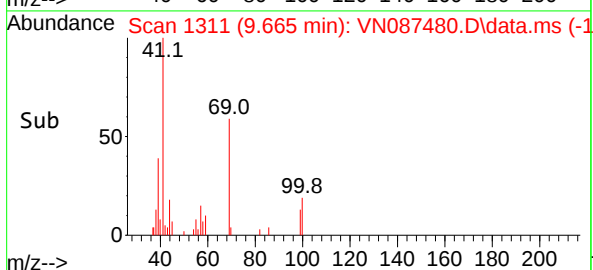
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Supervised By :Mahesh Dadoda 08/07/2025

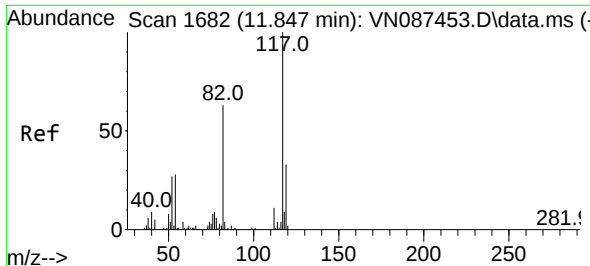


#46
Methyl methacrylate
Concen: 1.702 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21



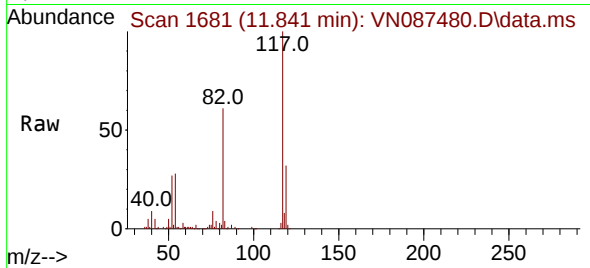
Tgt Ion: 41 Resp: 11996
Ion Ratio Lower Upper
41 100
69 62.3 37.1 111.5
39 45.3 30.7 92.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

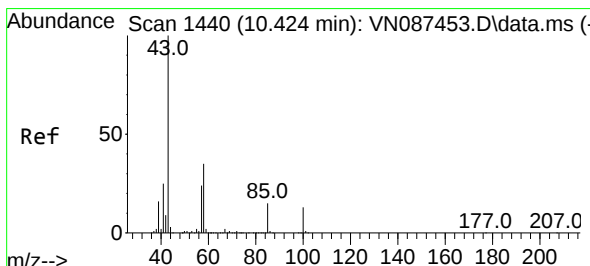
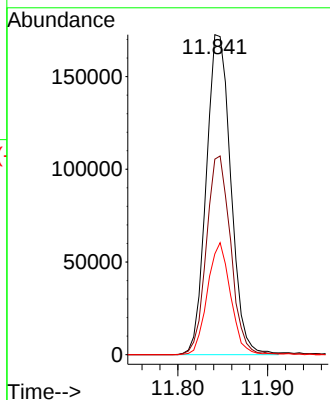
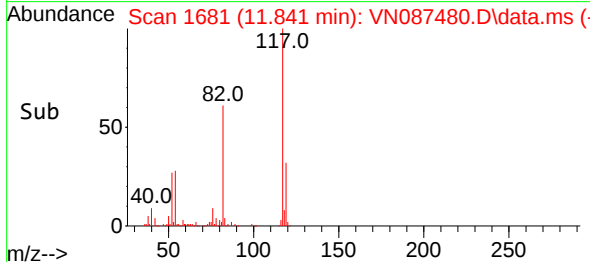
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)



Tgt Ion: 117 Resp: 32830
Ion Ratio Lower Upper
117 100
82 61.5 49.2 73.8
119 32.9 25.7 38.5

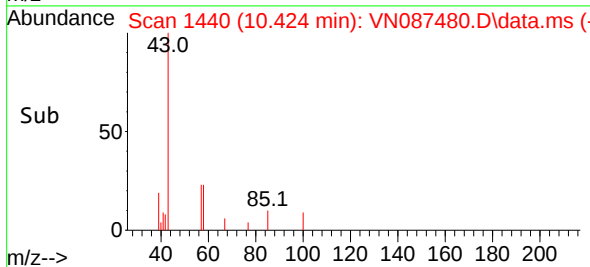
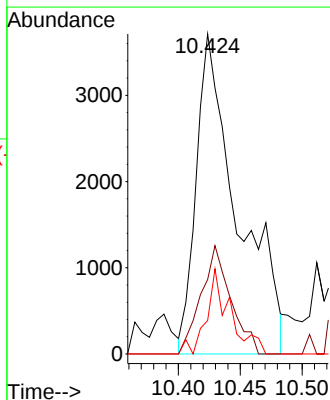
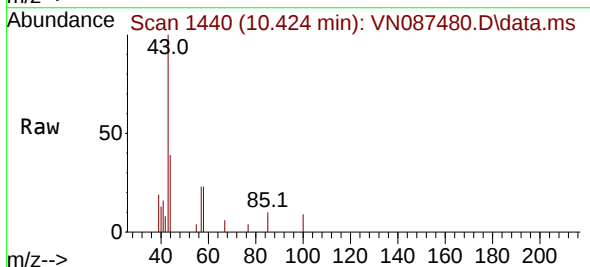
Manual Integrations
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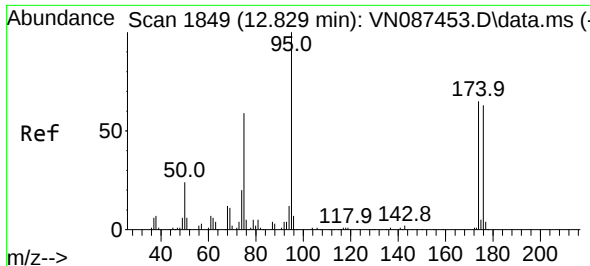
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#58
4-Methyl-2-Pentanone
Concen: 1.025 ug/l m
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

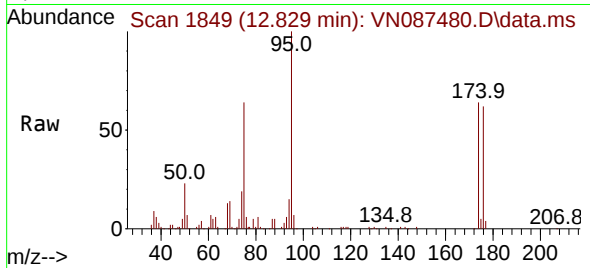
Tgt Ion: 43 Resp: 8654
Ion Ratio Lower Upper
43 100
58 24.3 29.0 43.6#
85 12.9 12.7 19.1





#60
4-Bromofluorobenzene
Concen: 28.176 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

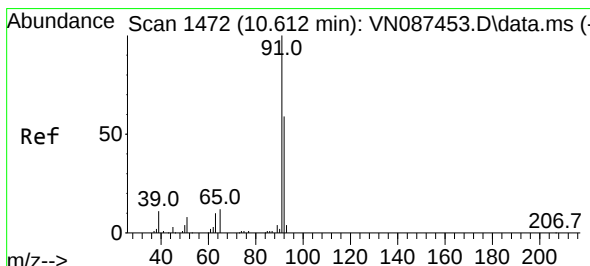
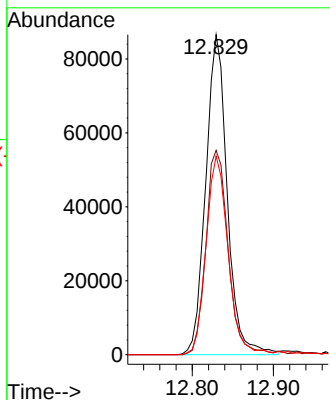
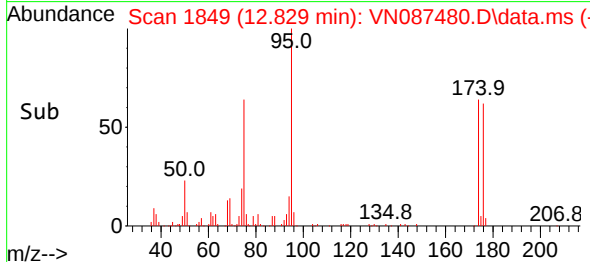
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(AUG)



Tgt Ion: 95 Resp: 15919
Ion Ratio Lower Upper
95 100
174 65.7 52.3 78.5
176 62.7 49.8 74.8

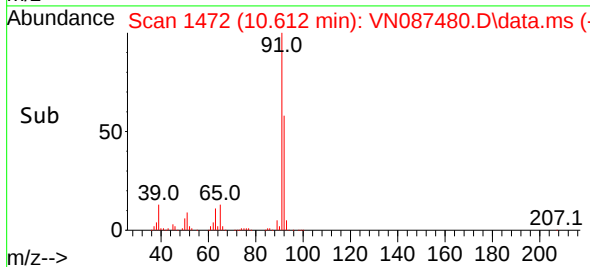
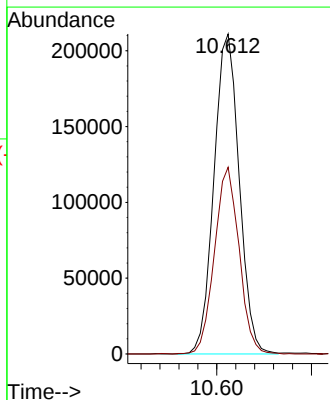
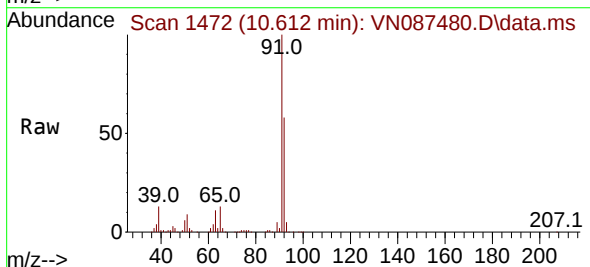
Manual Integrations
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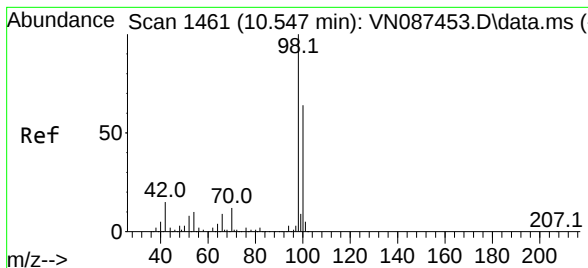
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#62
Toluene
Concen: 19.285 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

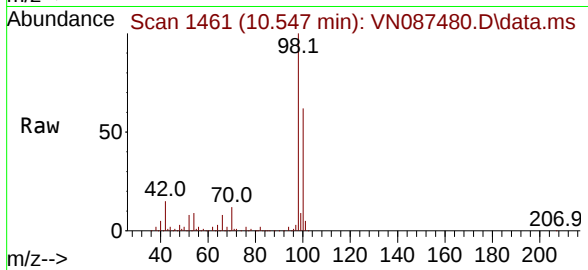
Tgt Ion: 91 Resp: 390764
Ion Ratio Lower Upper
91 100
92 56.9 45.8 68.6





#63
Toluene-d8
Concen: 31.103 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21

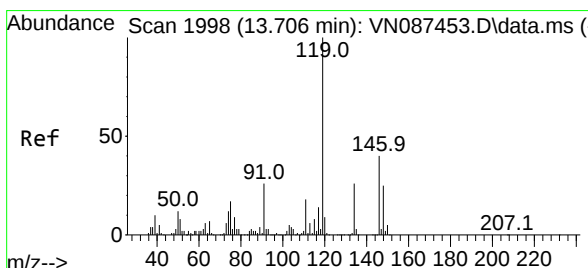
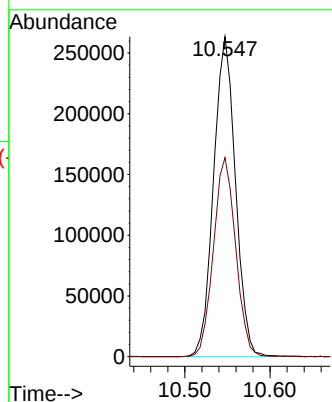
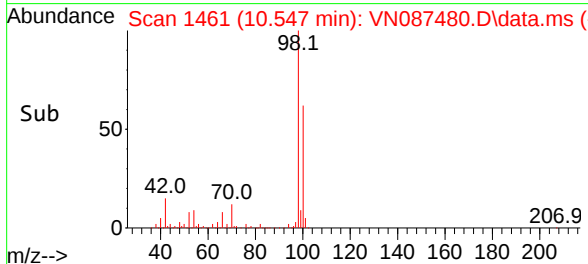
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)



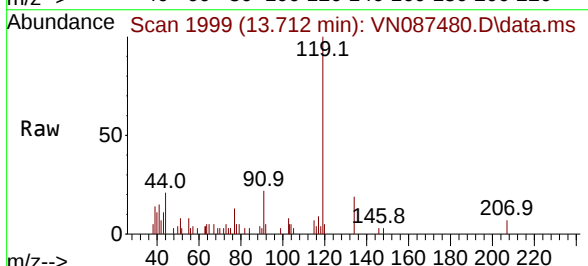
Tgt Ion: 98 Resp: 469840
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7

Manual Integrations
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Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#82
p-Isopropyltoluene
Concen: 0.448 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN087480.D
Acq: 06 Aug 2025 14:21



Tgt Ion:119 Resp: 8097
Ion Ratio Lower Upper
119 100
134 24.0 0.0 51.4
91 13.6 0.0 52.0

