

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087429.D
 Acq On : 28 Jul 2025 13:56
 Operator : JC\MD
 Sample : Q2699-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 28 14:26:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2025
 Supervised By : Mahesh Dadoda 07/29/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	70178	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	392636	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	348504	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	162255	30.235	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.800%			
60) 4-Bromofluorobenzene	12.829	95	164318	28.712	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.700%			
63) Toluene-d8	10.547	98	483329	30.199	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.667%			
Target Compounds						Qvalue
15) Acetone	4.424	58	194143	295.102	ug/l	85
18) Methylene Chloride	5.259	84	7937m	1.756	ug/l	
30) 2-Butanone	7.477	43	109301	27.066	ug/l	99
58) 4-Methyl-2-Pentanone	10.429	43	30732	3.915	ug/l	98
62) Toluene	10.612	91	3165383	160.939	ug/l	99
66) Ethyl Benzene	11.947	91	7596	0.353	ug/l	93
67) m/p-Xylenes	12.059	106	6461	0.802	ug/l	99
68) o-Xylene	12.376	106	3110	0.395	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	13848	0.833	ug/l	93
82) p-Isopropyltoluene	13.712	119	34640	1.984	ug/l	92

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

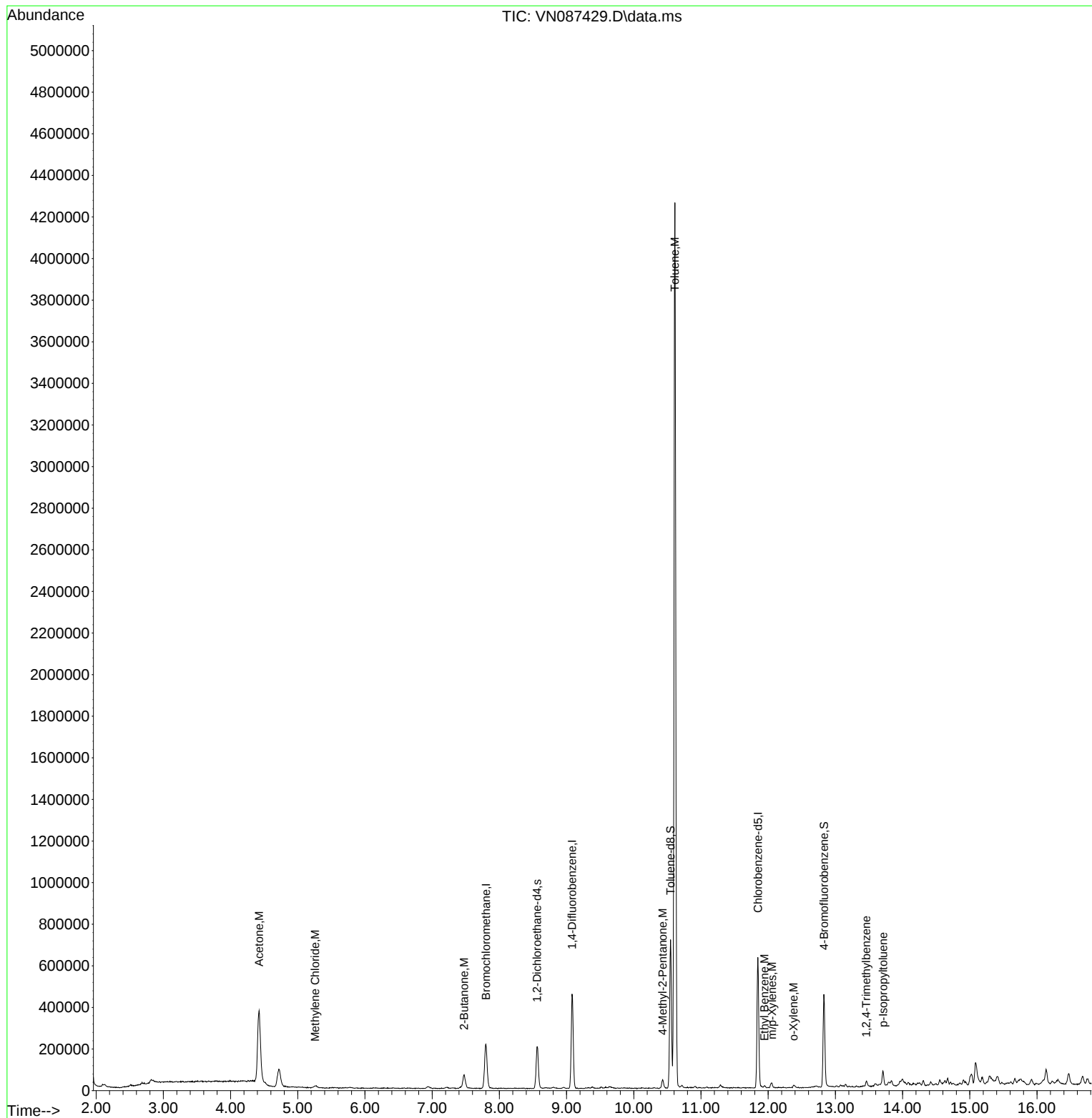
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
Data File : VN087429.D
Acq On : 28 Jul 2025 13:56
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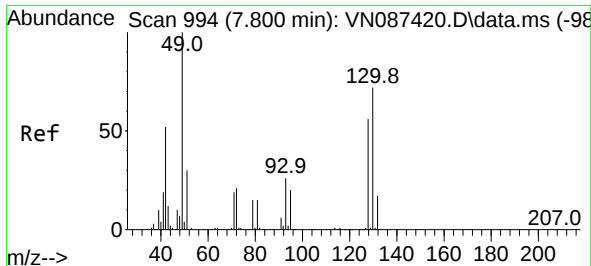
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jul 28 14:26:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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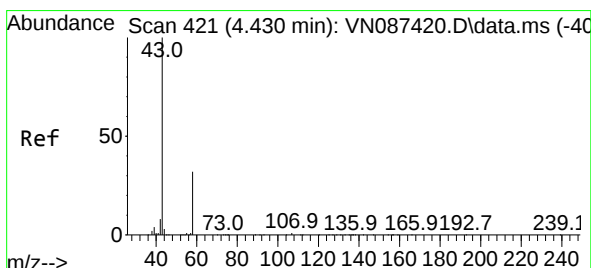
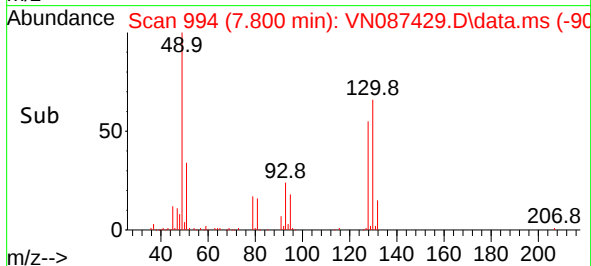
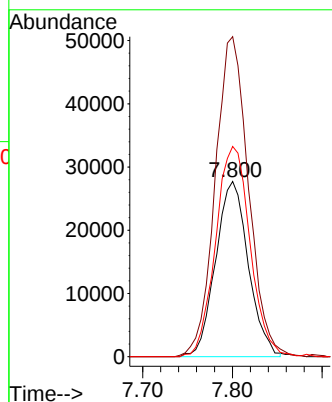
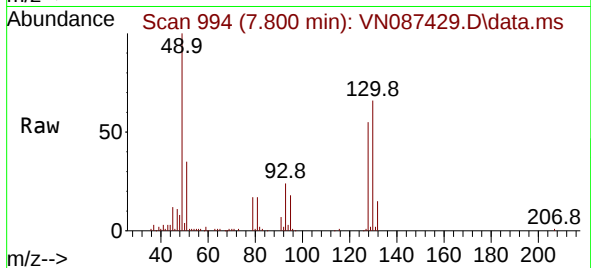
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

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

Tgt Ion:128 Resp: 70178
Ion Ratio Lower Upper
128 100
49 185.9 0.0 457.3
130 126.5 0.0 316.0

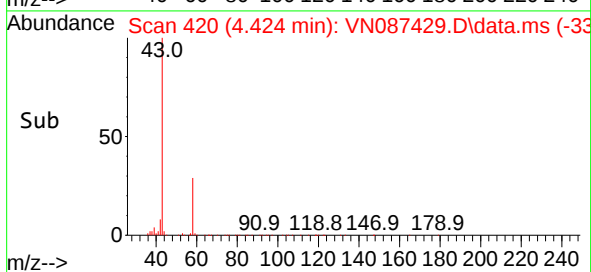
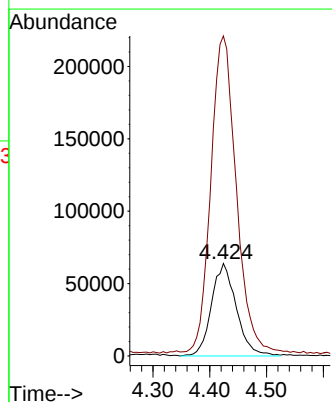
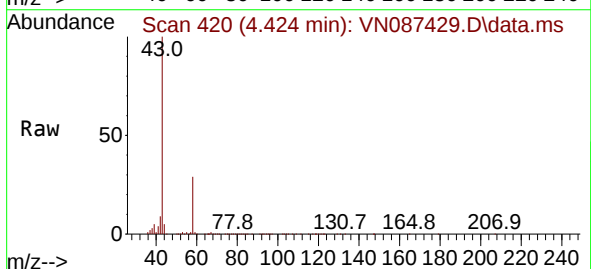
Manual Integrations
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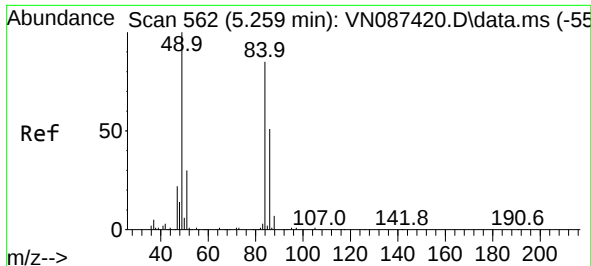
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#15
Acetone
Concen: 295.102 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

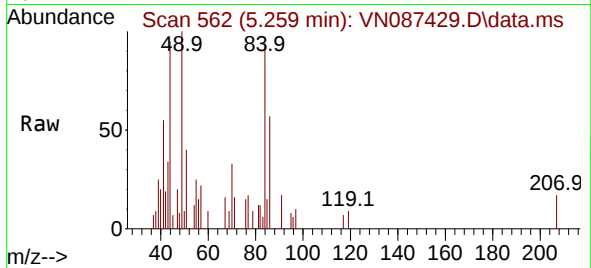
Tgt Ion: 58 Resp: 194143
Ion Ratio Lower Upper
58 100
43 341.5 248.4 372.6





#18
Methylene Chloride
Concen: 1.756 ug/l m
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

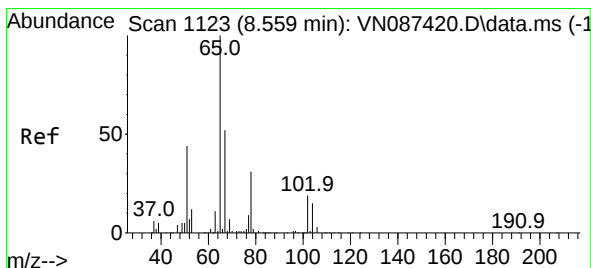
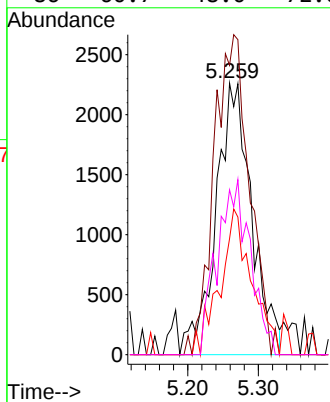
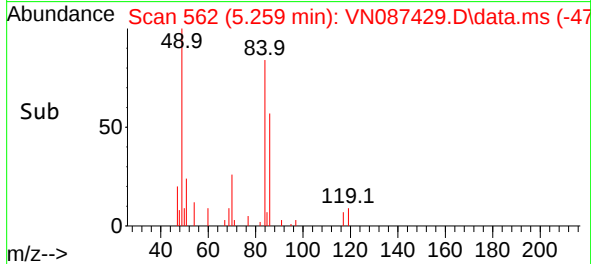
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 84 Resp: 793
Ion Ratio Lower Upper
84 100
49 106.6 93.5 140.3
51 42.7 28.0 42.0
86 60.7 48.0 72.0

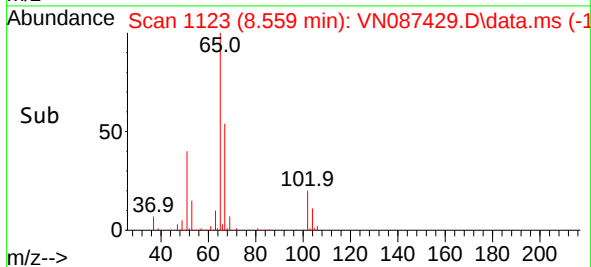
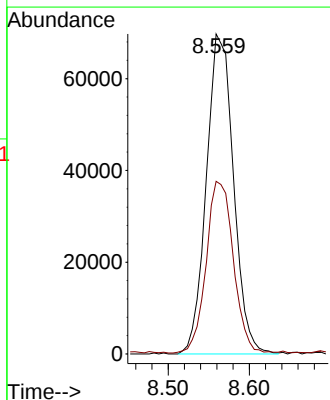
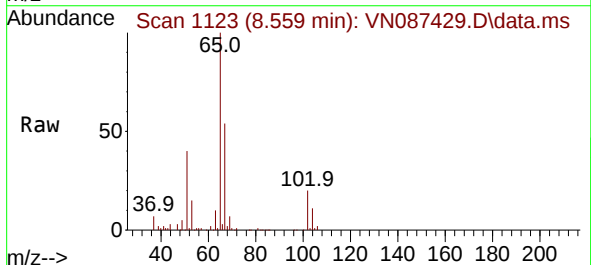
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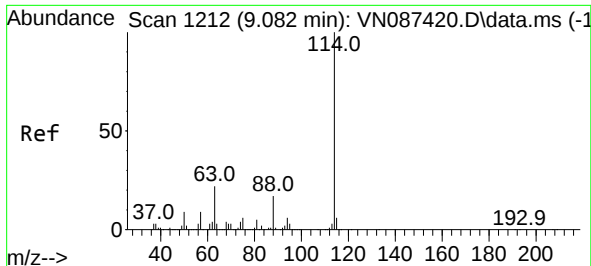
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#27
1,2-Dichloroethane-d4
Concen: 30.235 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

Tgt Ion: 65 Resp: 162255
Ion Ratio Lower Upper
65 100
67 53.5 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087429.D

Acq: 28 Jul 2025 13:56

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 114 Resp: 392630

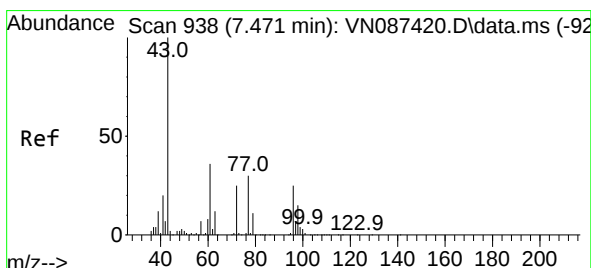
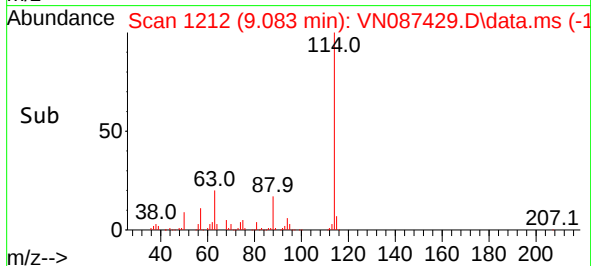
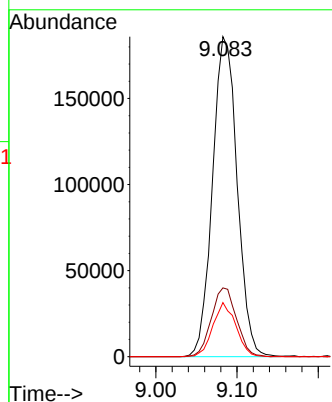
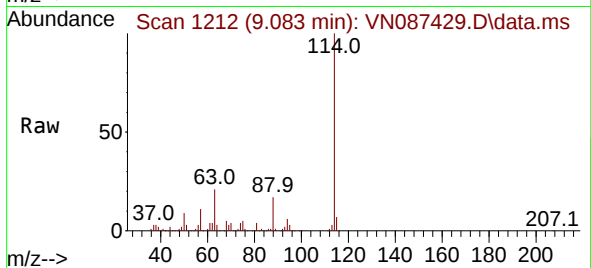
Ion	Ratio	Lower	Upper
114	100		
63	21.9	17.8	26.6
88	15.8	13.0	19.4

Manual Integrations

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Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#30

2-Butanone

Concen: 27.066 ug/l

RT: 7.477 min Scan# 939

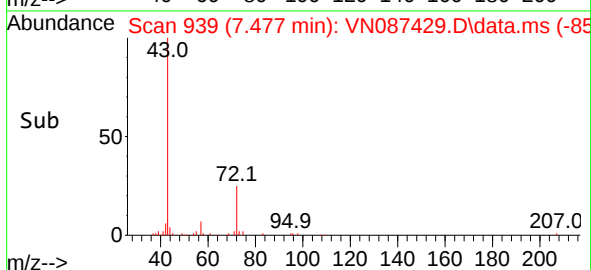
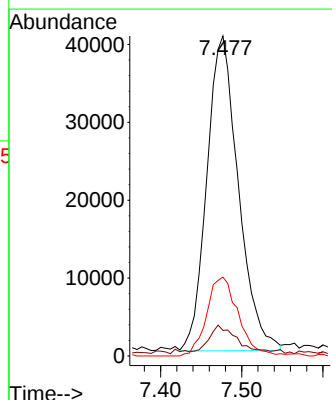
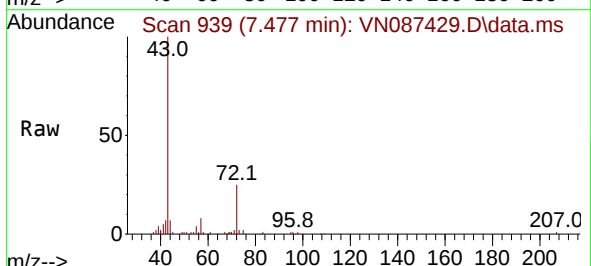
Delta R.T. 0.006 min

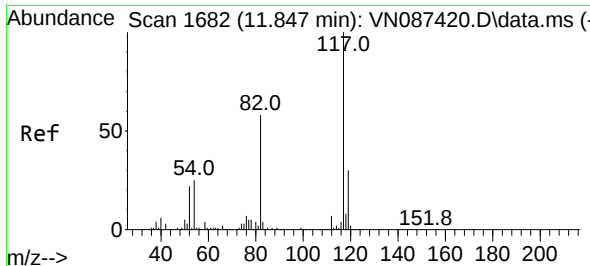
Lab File: VN087429.D

Acq: 28 Jul 2025 13:56

Tgt Ion: 43 Resp: 109301

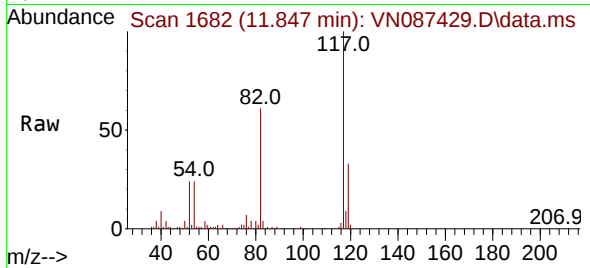
Ion	Ratio	Lower	Upper
43	100		
57	6.9	6.0	9.0
72	24.8	20.3	30.5





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

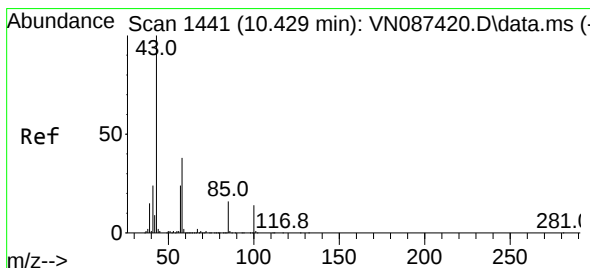
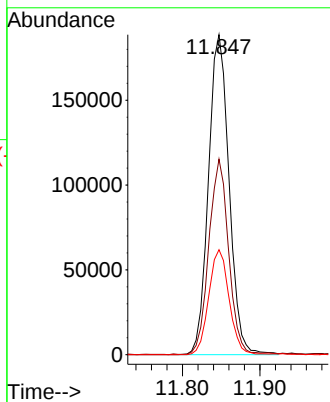
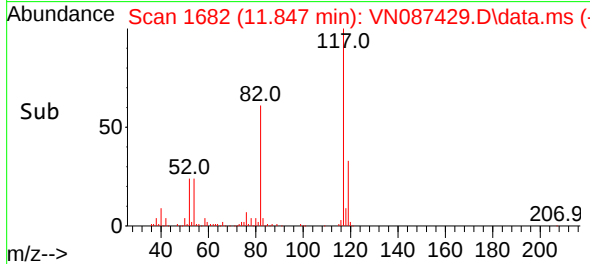
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:117 Resp: 348504
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 32.3 25.7 38.5

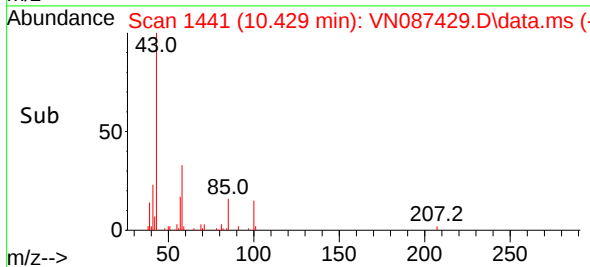
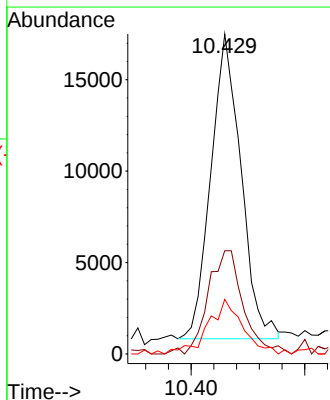
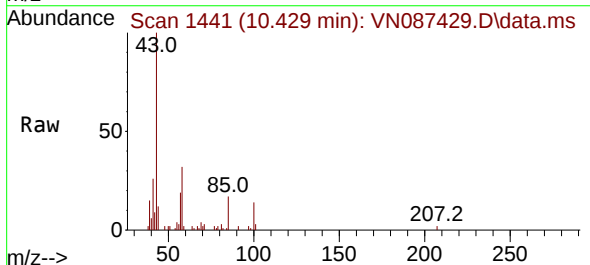
Manual Integrations
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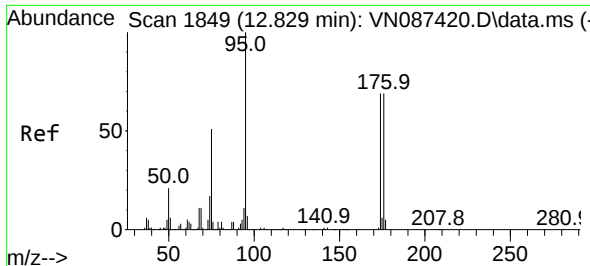
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#58
4-Methyl-2-Pentanone
Concen: 3.915 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

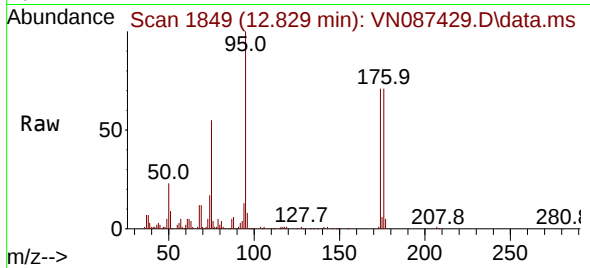
Tgt Ion: 43 Resp: 30732
Ion Ratio Lower Upper
43 100
58 38.3 29.9 44.9
85 17.9 12.8 19.2





#60
4-Bromofluorobenzene
Concen: 28.712 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

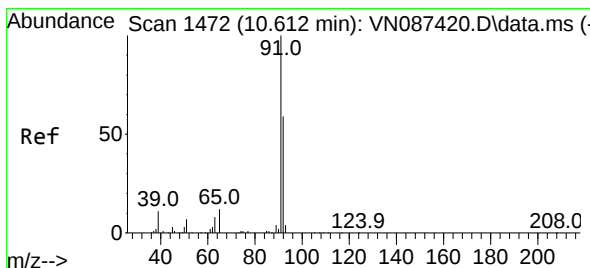
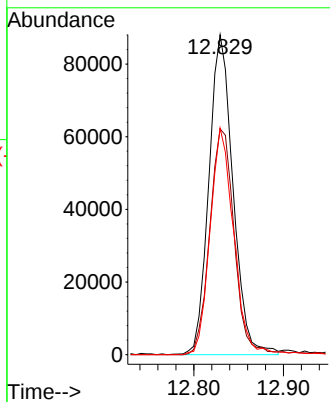
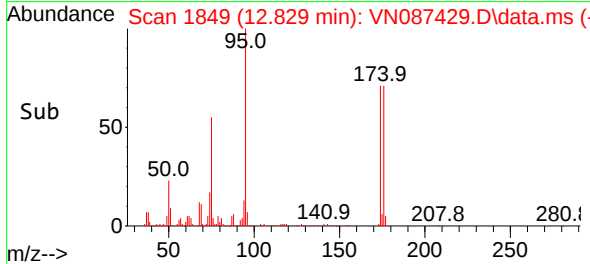
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 95 Resp: 164318
Ion Ratio Lower Upper
95 100
174 71.2 57.8 86.8
176 67.9 54.9 82.3

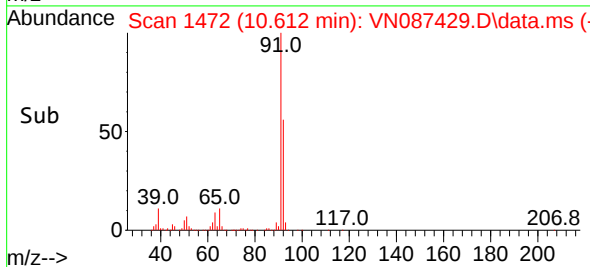
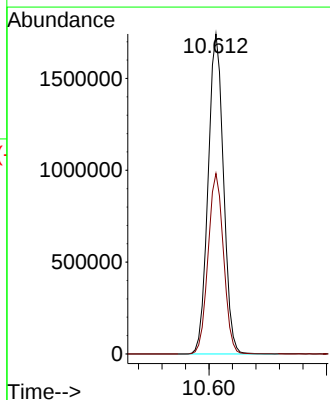
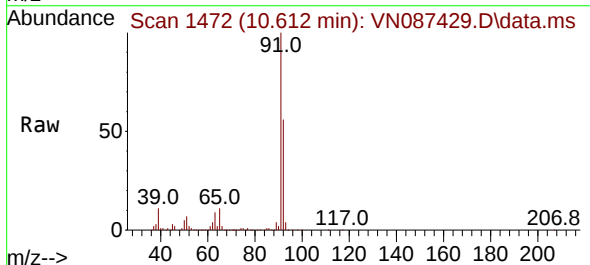
Manual Integrations
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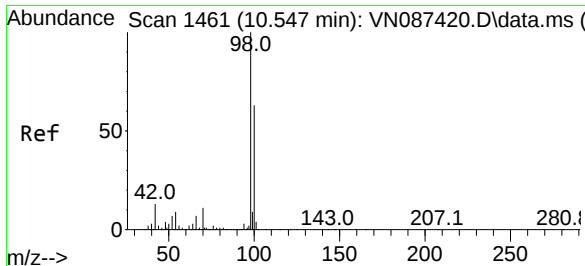
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#62
Toluene
Concen: 160.939 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

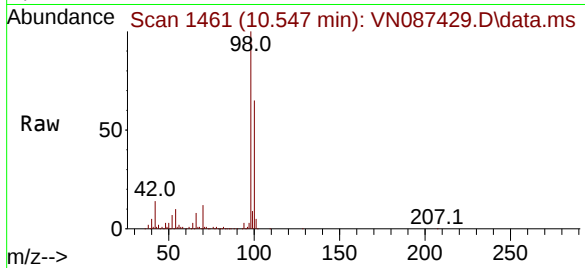
Tgt Ion: 91 Resp: 3165383
Ion Ratio Lower Upper
91 100
92 56.6 45.6 68.4





#63
Toluene-d8
Concen: 30.199 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

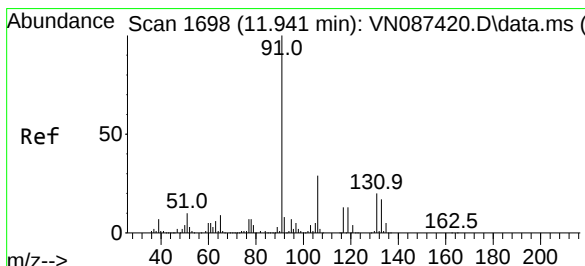
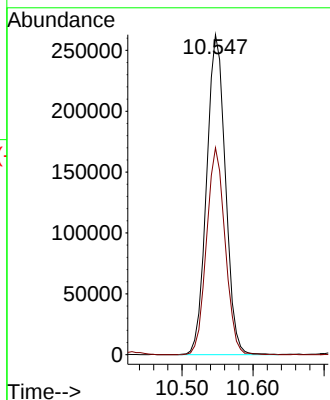
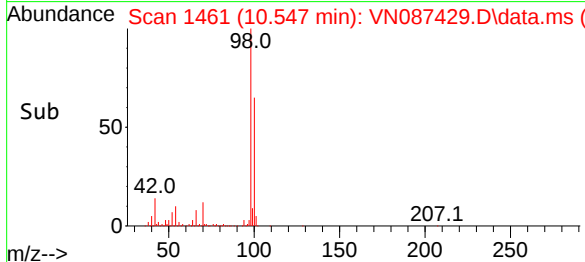
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



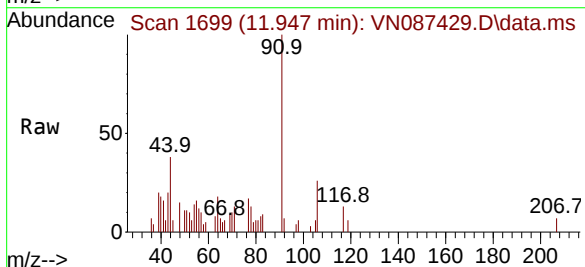
Tgt Ion: 98 Resp: 483329
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1

Manual Integrations
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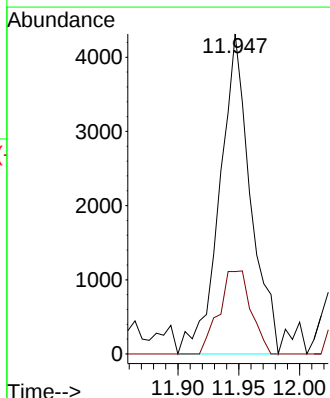
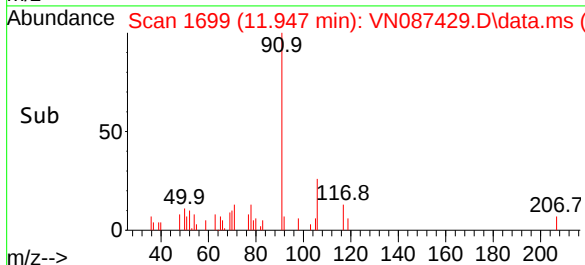
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

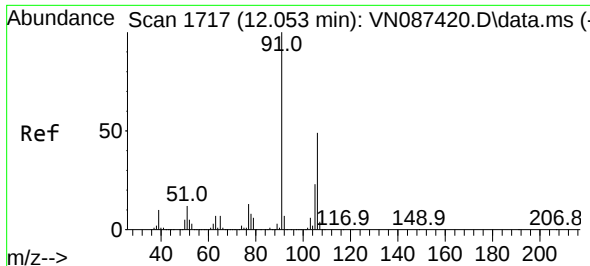


#66
Ethyl Benzene
Concen: 0.353 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56



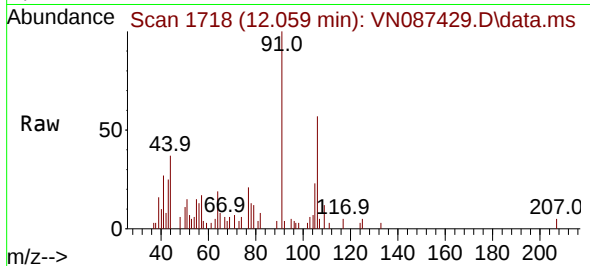
Tgt Ion: 91 Resp: 7596
Ion Ratio Lower Upper
91 100
106 25.8 23.6 35.4





#67
m/p-Xylenes
Concen: 0.802 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. 0.006 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

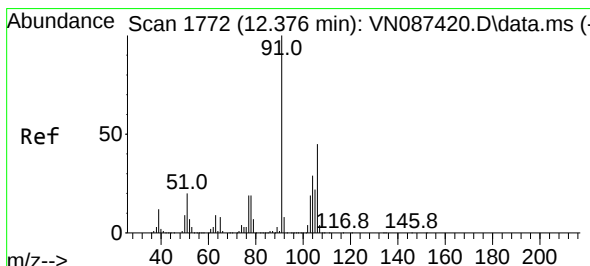
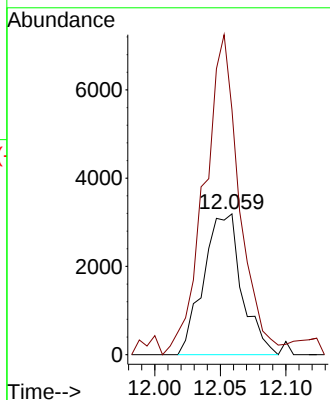
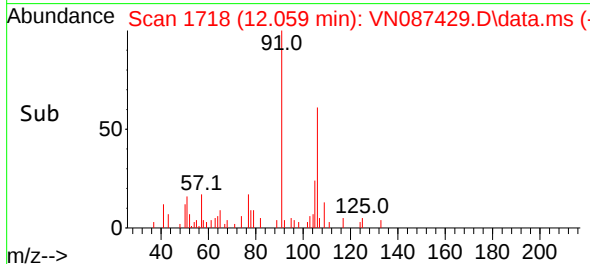
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:106 Resp: 646
Ion Ratio Lower Upper
106 100
91 207.9 165.4 248.2

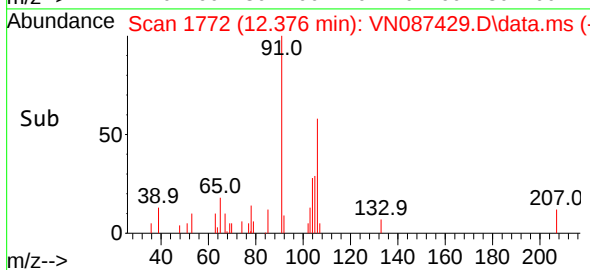
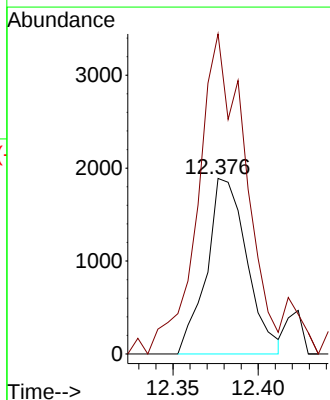
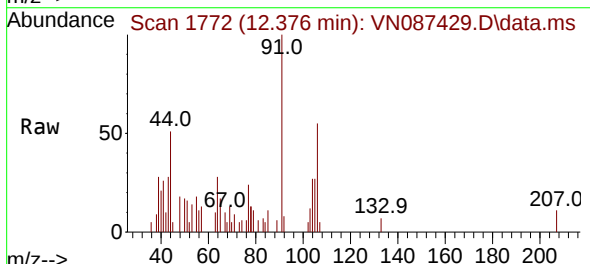
Manual Integrations
APPROVED

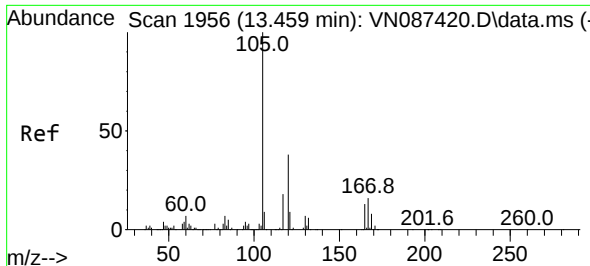
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#68
o-Xylene
Concen: 0.395 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

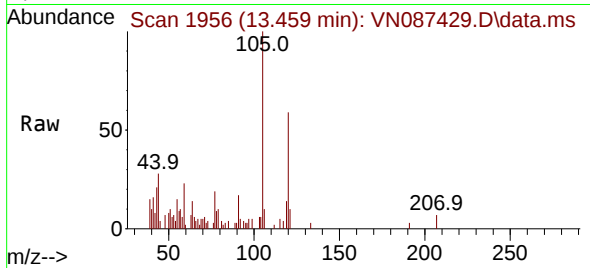
Tgt Ion:106 Resp: 3110
Ion Ratio Lower Upper
106 100
91 212.7 106.9 320.8





#80
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56

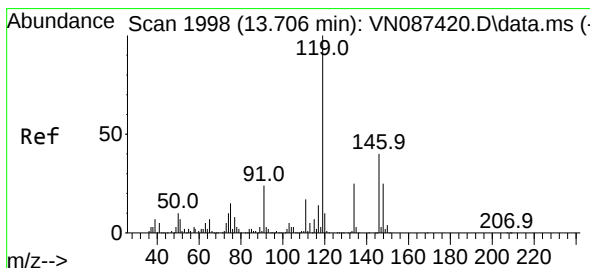
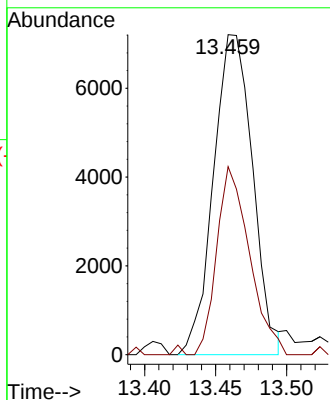
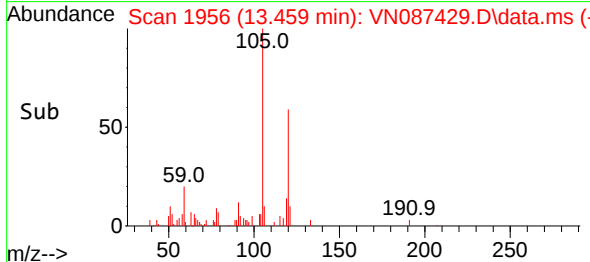
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



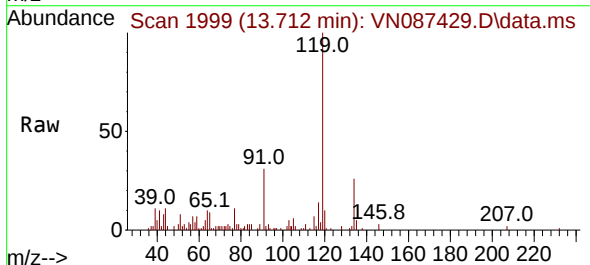
Tgt Ion:105 Resp: 1384
Ion Ratio Lower Upper
105 100
120 49.0 0.0 88.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#82
p-Isopropyltoluene
Concen: 1.984 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN087429.D
Acq: 28 Jul 2025 13:56



Tgt Ion:119 Resp: 34640
Ion Ratio Lower Upper
119 100
134 30.0 0.0 50.8
91 27.2 0.0 47.6

