

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087393.D
 Acq On : 22 Jul 2025 16:46
 Operator : JC\MD
 Sample : Q2669-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 05:57:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	23863	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.088	114	105568	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	102924	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	59685	33.196	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.667%#			
60) 4-Bromofluorobenzene	12.829	95	40814	25.698	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 85.667%			
63) Toluene-d8	10.547	98	126960	27.473	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 91.567%			
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	96396	312.461	ug/l	71
30) 2-Butanone	7.477	43	60922	54.888	ug/l #	90
58) 4-Methyl-2-Pentanone	10.429	43	11429	5.524	ug/l #	83
62) Toluene	10.612	91	4880565	839.597	ug/l	99
66) Ethyl Benzene	11.941	91	3516m	0.553	ug/l	
67) m/p-Xylenes	12.047	106	2373	0.973	ug/l	91
68) o-Xylene	12.382	106	905m	0.389	ug/l	
80) 1,2,4-Trimethylbenzene	13.465	105	3786	0.799	ug/l	100
82) p-Isopropyltoluene	13.706	119	56813	11.846	ug/l	97
91) Naphthalene	15.617	128	3844	0.677	ug/l #	80

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

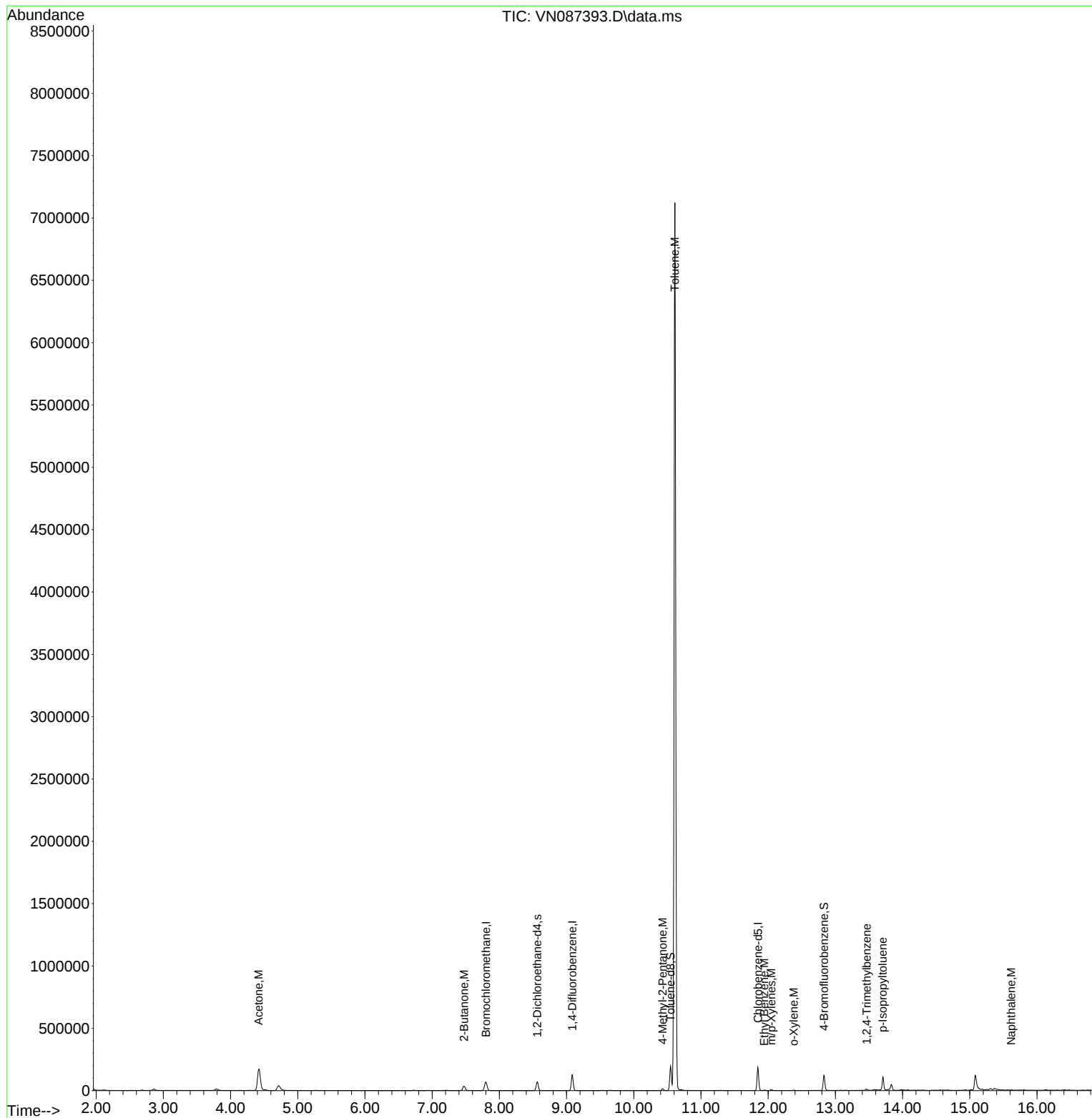
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
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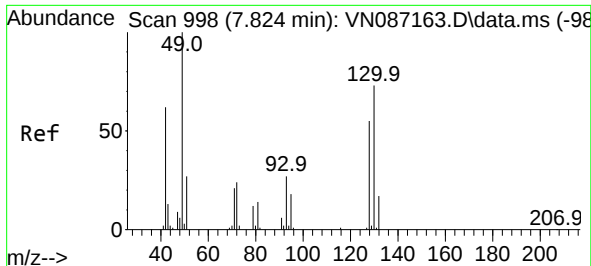
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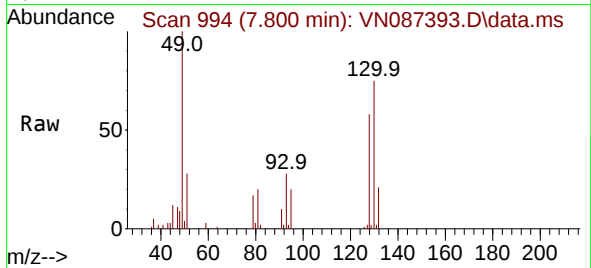
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

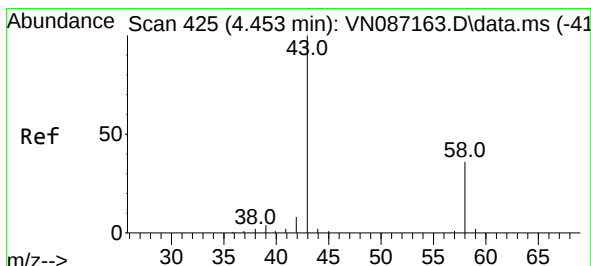
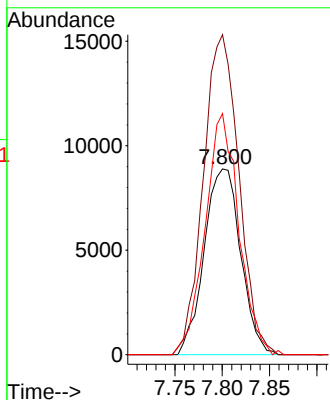
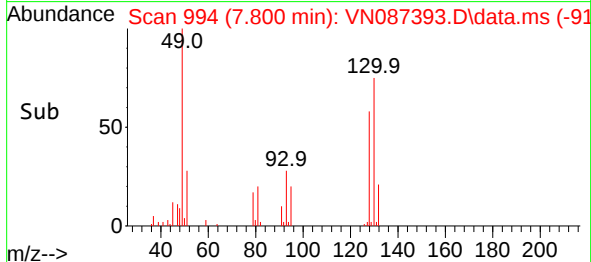
Instrument :
MSVOA_N
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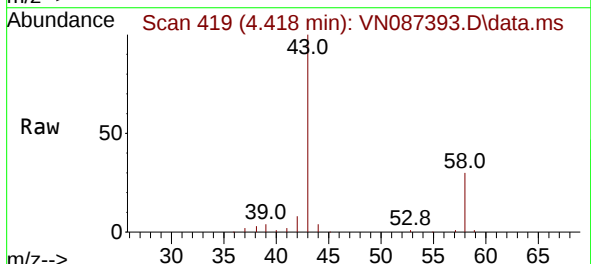
Tgt Ion:128 Resp: 2386
Ion Ratio Lower Upper
128 100
49 167.1 0.0 450.5
130 119.4 0.0 320.7

Manual Integrations
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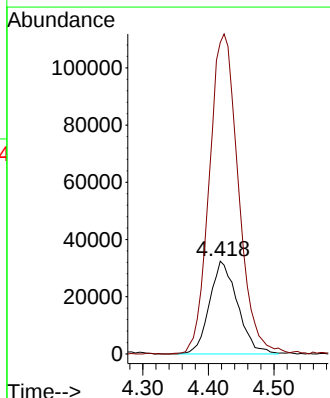
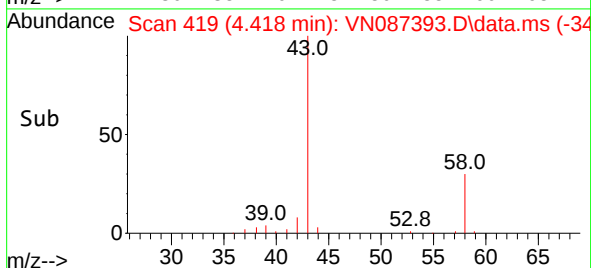
Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025

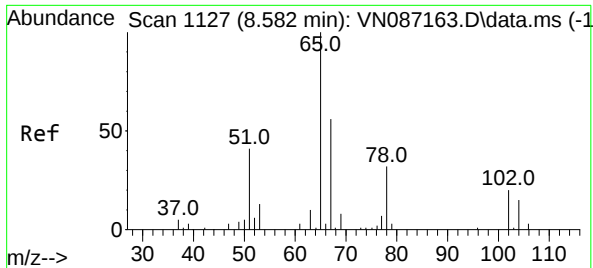


#15
Acetone
Concen: 312.461 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.035 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46



Tgt Ion: 58 Resp: 96396
Ion Ratio Lower Upper
58 100
43 334.7 224.3 336.5





#27

1,2-Dichloroethane-d4

Concen: 33.196 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.018 min

Lab File: VN087393.D

Acq: 22 Jul 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

001 WILLETS PT BLVD (JUNE)

Tgt Ion: 65 Resp: 5968

Ion Ratio Lower Upper

65 100

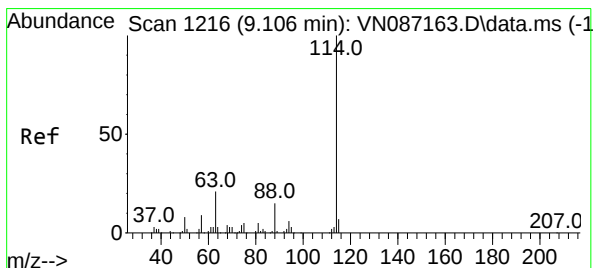
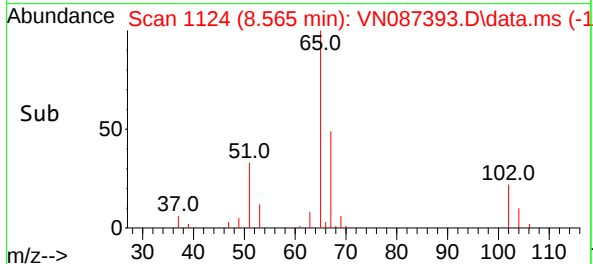
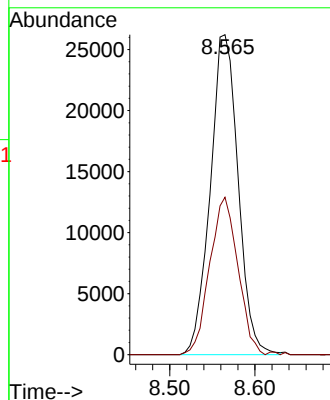
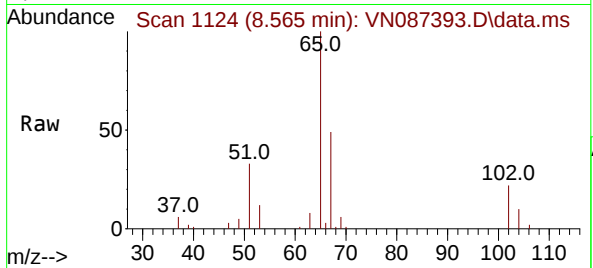
67 49.6 41.9 62.9

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. -0.018 min

Lab File: VN087393.D

Acq: 22 Jul 2025 16:46

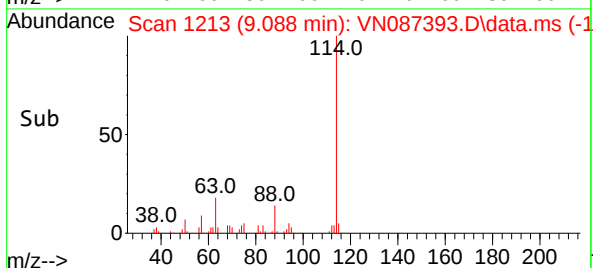
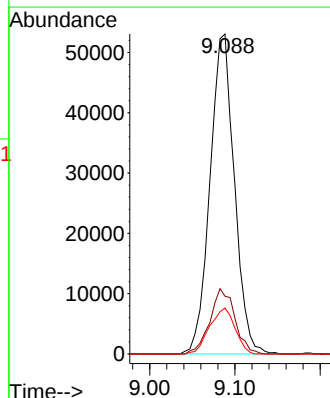
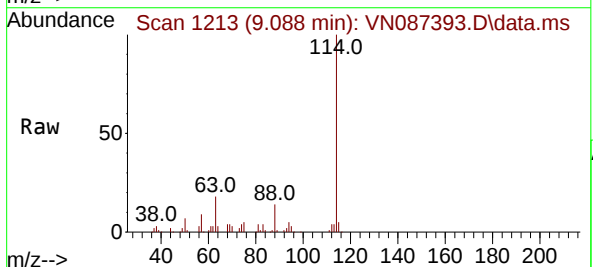
Tgt Ion:114 Resp: 105568

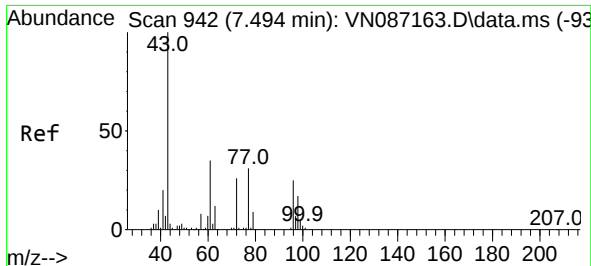
Ion Ratio Lower Upper

114 100

63 20.9 17.0 25.4

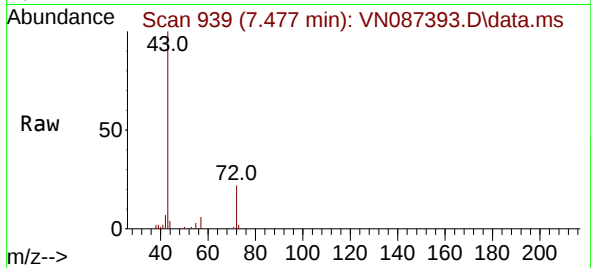
88 14.9 12.6 19.0





#30
2-Butanone
Concen: 54.888 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

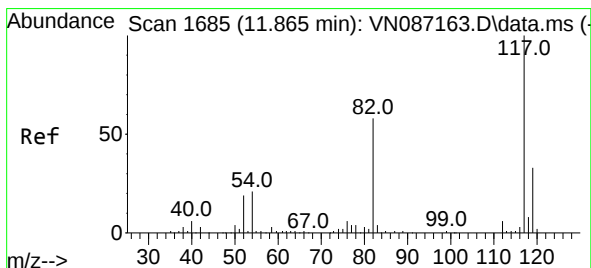
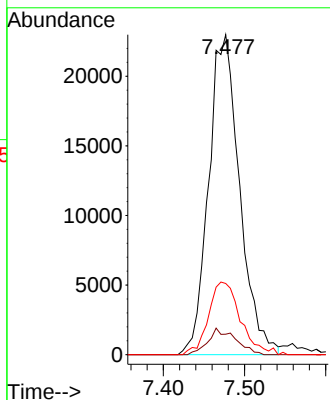
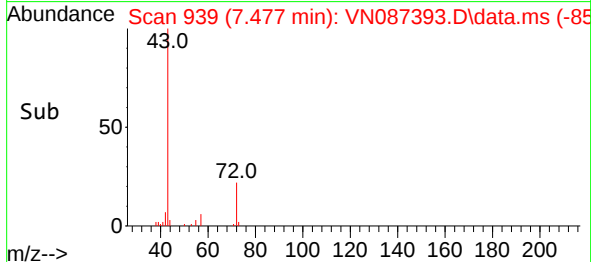
Instrument :
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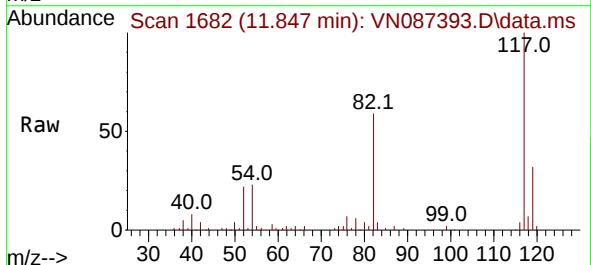
Tgt Ion: 43 Resp: 6092
Ion Ratio Lower Upper
43 100
57 3.7 6.3 9.5
72 22.4 21.8 32.6

Manual Integrations
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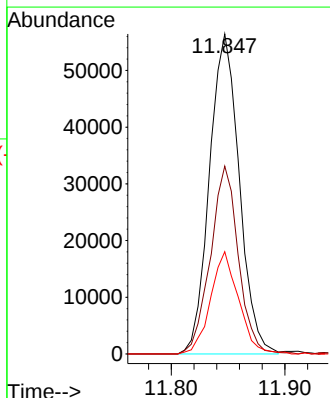
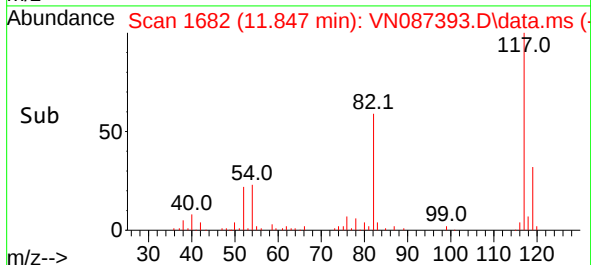
Reviewed By :Mahesh Dadoda 07/23/2025
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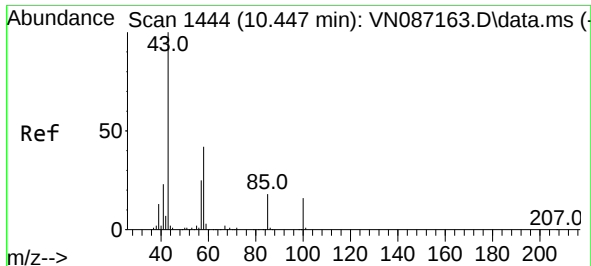


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46



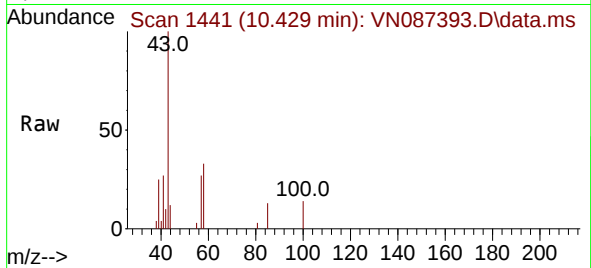
Tgt Ion:117 Resp: 102924
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.2
119 30.2 26.2 39.4





#58
4-Methyl-2-Pentanone
Concen: 5.524 ug/l
RT: 10.429 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

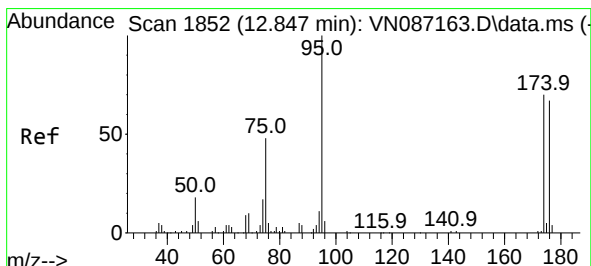
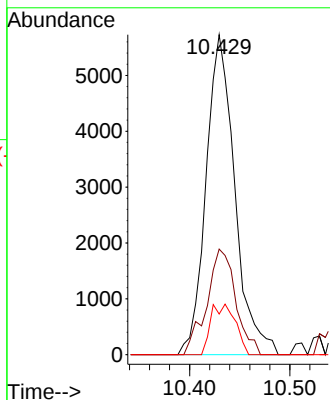
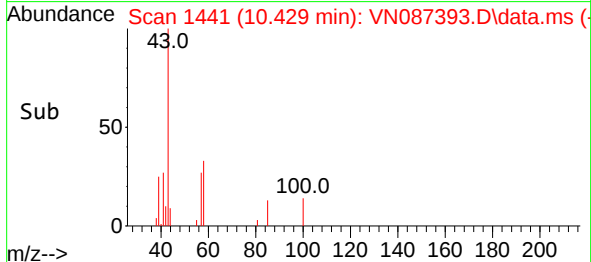
Instrument : MSVOA_N
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Tgt Ion: 43 Resp: 11429
Ion Ratio Lower Upper
43 100
58 33.2 32.6 49.0
85 6.0 14.6 22.0

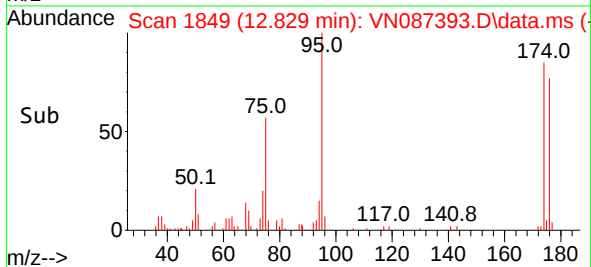
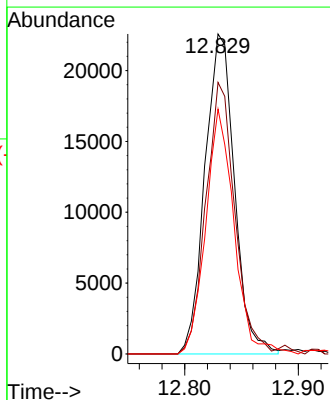
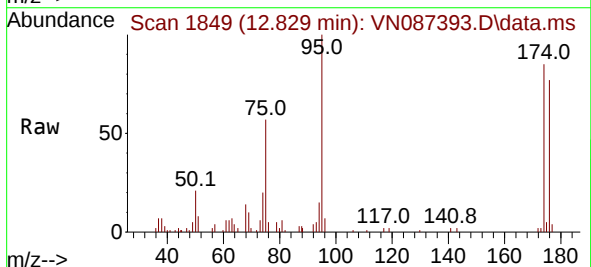
Manual Integrations
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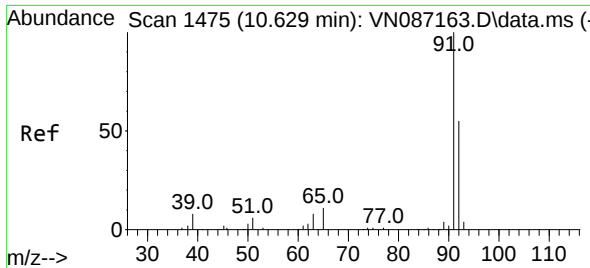
Reviewed By :Mahesh Dadoda 07/23/2025
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#60
4-Bromofluorobenzene
Concen: 25.698 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

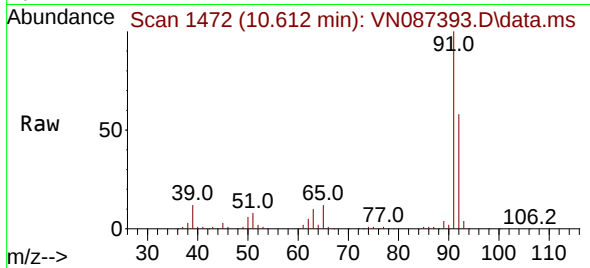
Tgt Ion: 95 Resp: 40814
Ion Ratio Lower Upper
95 100
174 83.3 54.5 81.7#
176 71.5 51.9 77.9





#62
Toluene
Concen: 839.597 ug/l
RT: 10.612 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

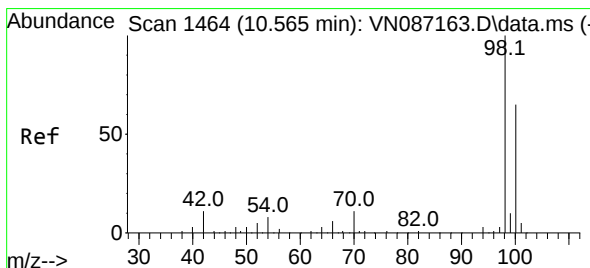
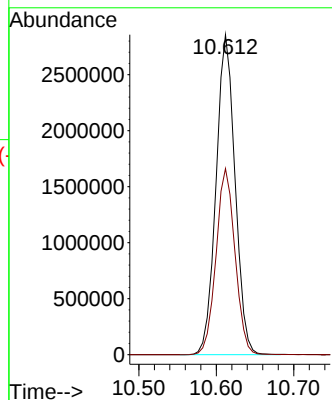
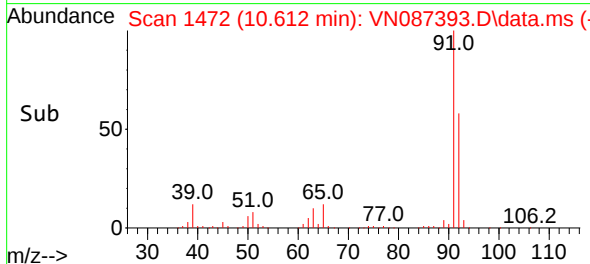
Instrument :
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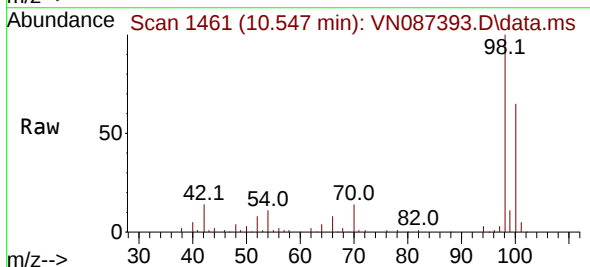
Tgt Ion: 91 Resp: 488056
Ion Ratio Lower Upper
91 100
92 58.1 45.8 68.8

Manual Integrations
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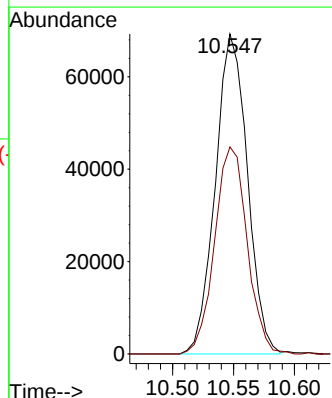
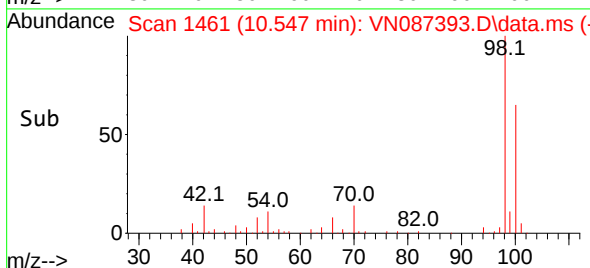
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Supervised By :Semsettin Yesilyurt 07/23/2025

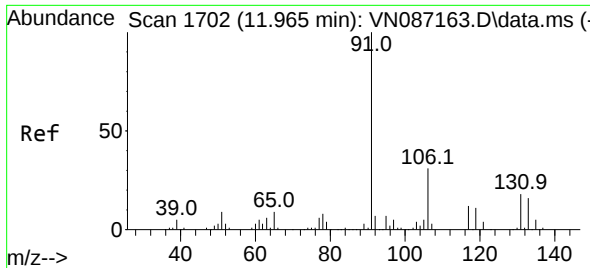


#63
Toluene-d8
Concen: 27.473 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46



Tgt Ion: 98 Resp: 126960
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7





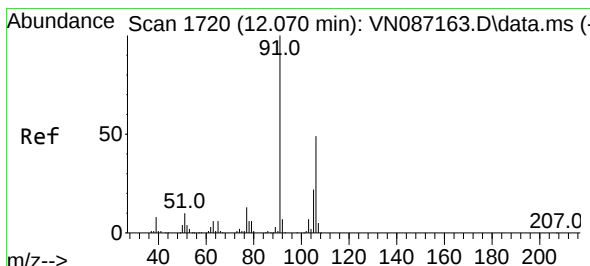
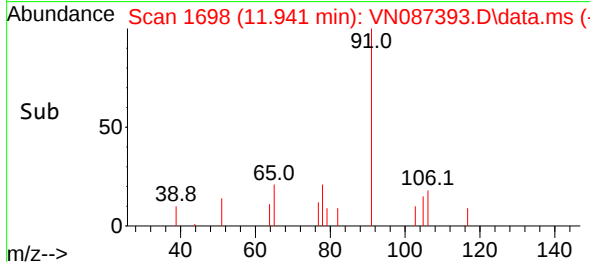
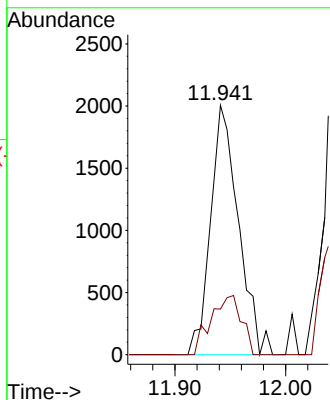
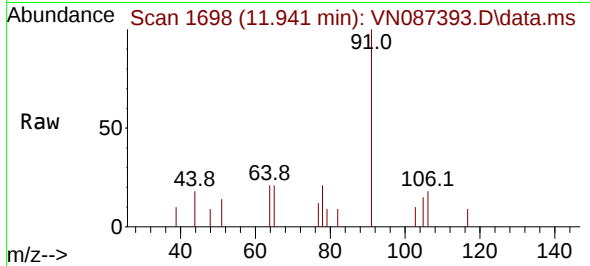
#66
Ethyl Benzene
Concen: 0.553 ug/l m
RT: 11.941 min Scan# 1
Delta R.T. -0.023 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

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

Tgt Ion: 91 Resp: 3510
Ion Ratio Lower Upper
91 100
106 18.3 24.8 37.2

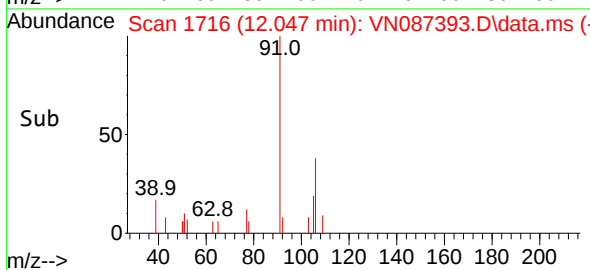
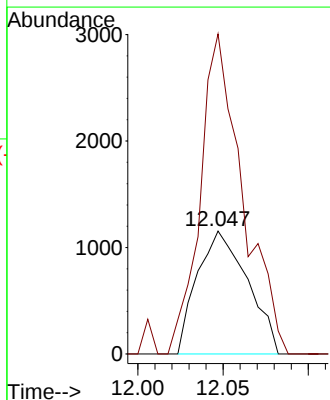
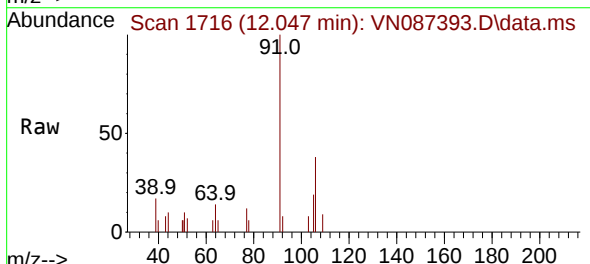
Manual Integrations
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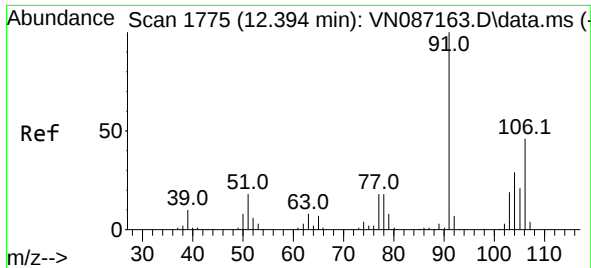
Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025



#67
m/p-Xylenes
Concen: 0.973 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.023 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

Tgt Ion:106 Resp: 2373
Ion Ratio Lower Upper
106 100
91 190.4 163.0 244.4





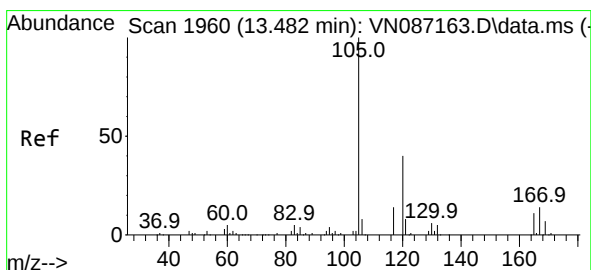
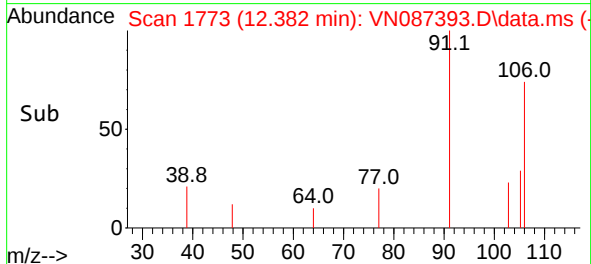
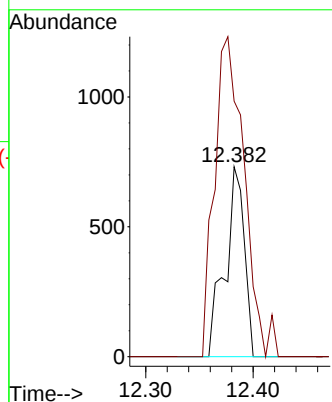
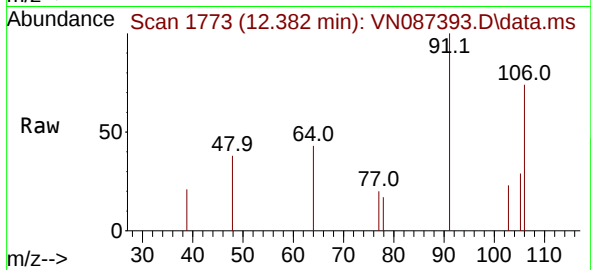
#68
o-Xylene
Concen: 0.389 ug/l m
RT: 12.382 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

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

Tgt Ion:106 Resp: 90
Ion Ratio Lower Upper
106 100
91 499.2 107.1 321.1

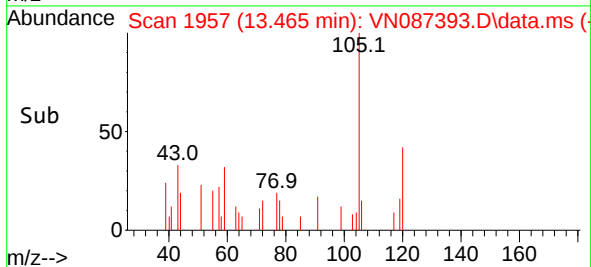
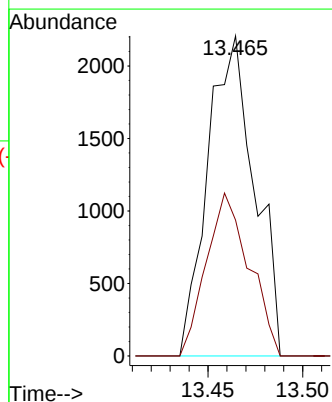
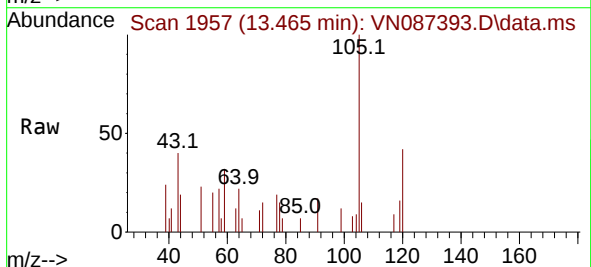
Manual Integrations
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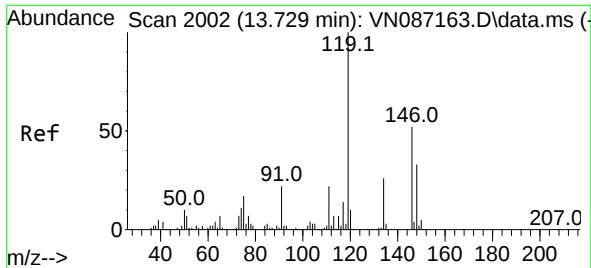
Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025



#80
1,2,4-Trimethylbenzene
Concen: 0.799 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

Tgt Ion:105 Resp: 3786
Ion Ratio Lower Upper
105 100
120 46.8 0.0 94.0





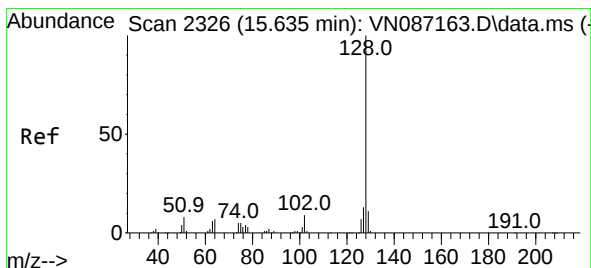
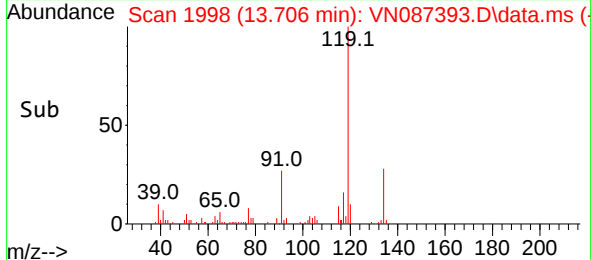
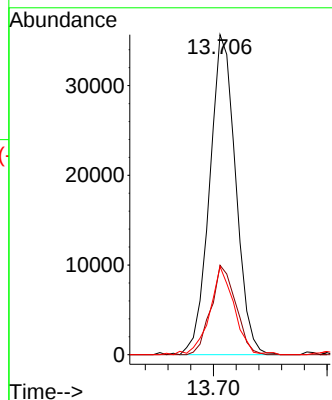
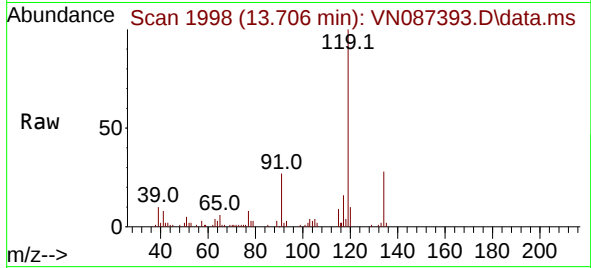
#82
p-Isopropyltoluene
Concen: 11.846 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.023 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

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

Tgt Ion:119 Resp: 5681
Ion Ratio Lower Upper
119 100
134 26.6 0.0 51.2
91 25.6 0.0 46.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
Supervised By :Semsettin Yesilyurt 07/23/2025



#91
Naphthalene
Concen: 0.677 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. -0.018 min
Lab File: VN087393.D
Acq: 22 Jul 2025 16:46

Tgt Ion:128 Resp: 3844
Ion Ratio Lower Upper
128 100
127 4.3 10.6 15.8#
129 4.7 8.8 13.2#

