

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087430.D
 Acq On : 28 Jul 2025 14:17
 Operator : JC\MD
 Sample : Q2699-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUNE)

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 14:34:09 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

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

Internal Standards						
1) Bromochloromethane	7.800	128	67508	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	376224	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	333013	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	155838	30.188	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.633%			
60) 4-Bromofluorobenzene	12.829	95	154553	28.262	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.200%			
63) Toluene-d8	10.547	98	459827	30.067	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.233%			
Target Compounds						
15) Acetone	4.424	58	174622	275.927	ug/l	Qvalue 86
18) Methylene Chloride	5.259	84	7105m	1.634	ug/l	
30) 2-Butanone	7.477	43	103196	26.669	ug/l #	96
62) Toluene	10.612	91	2581443	137.355	ug/l	99
66) Ethyl Benzene	11.947	91	6147	0.299	ug/l #	72
67) m/p-Xylenes	12.047	106	5396	0.701	ug/l	92
68) o-Xylene	12.376	106	3094	0.411	ug/l	82
76) 1,3,5-Trimethylbenzene	13.147	105	5169	0.323	ug/l	88
80) 1,2,4-Trimethylbenzene	13.465	105	11807	0.743	ug/l	93
82) p-Isopropyltoluene	13.706	119	31069	1.862	ug/l	97

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

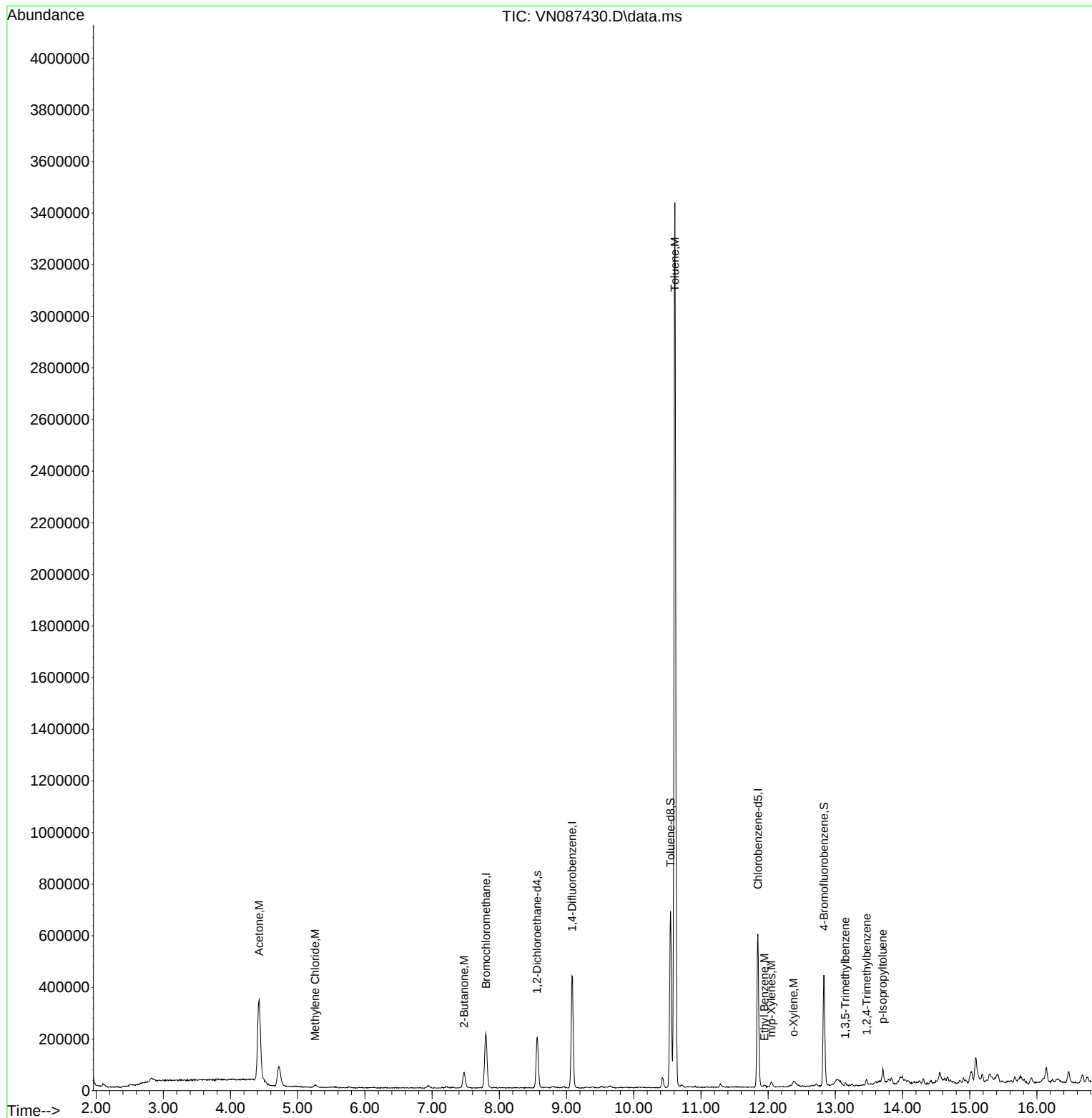
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
Data File : VN087430.D
Acq On : 28 Jul 2025 14:17
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ALS Vial : 14 Sample Multiplier: 1

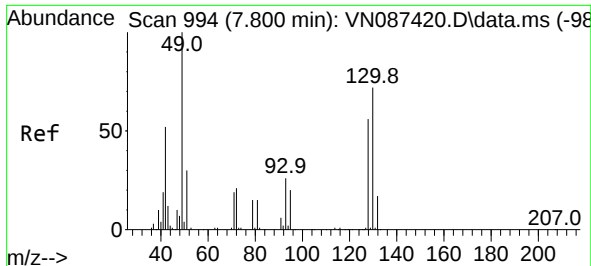
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

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APPROVED

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Quant Time: Jul 28 14:34:09 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





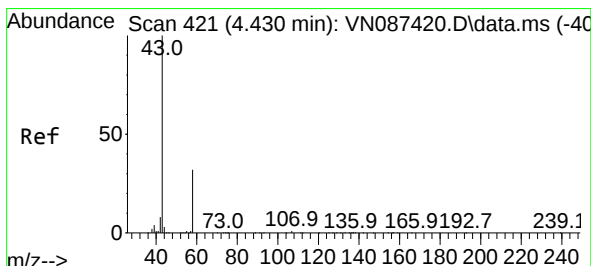
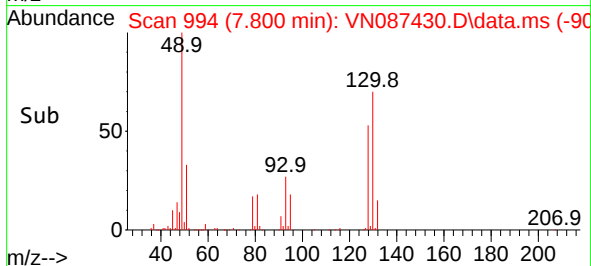
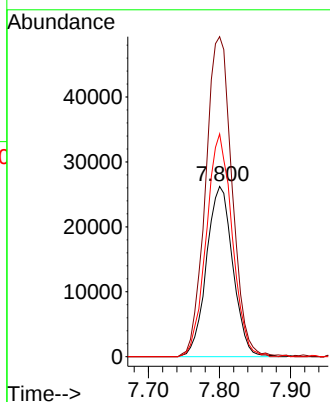
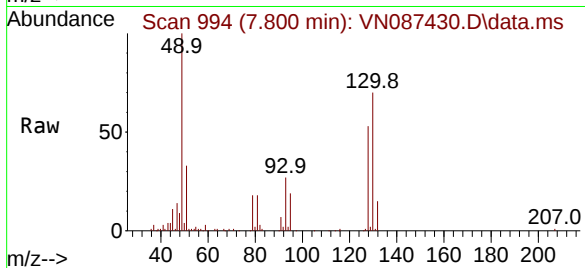
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:128 Resp: 67508
Ion Ratio Lower Upper
128 100
49 189.0 0.0 457.3
130 128.8 0.0 316.0

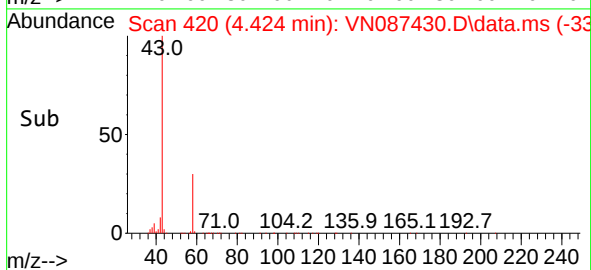
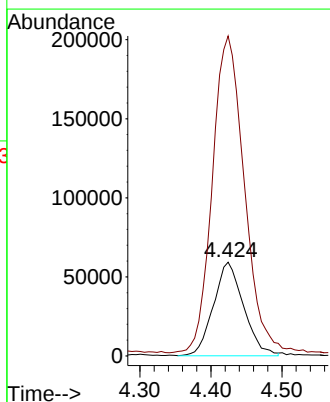
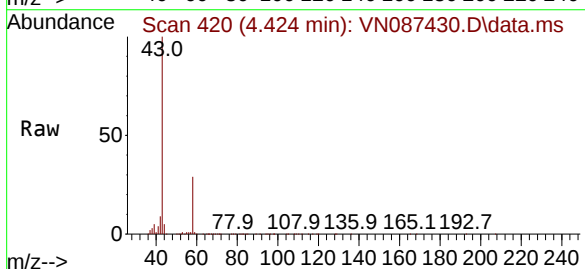
Manual Integrations
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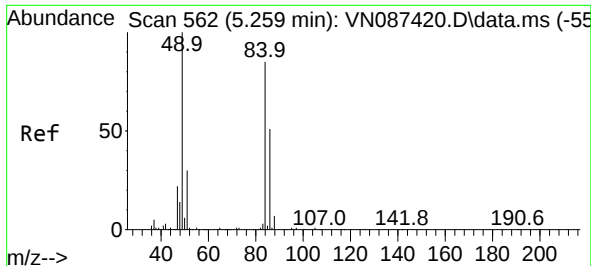
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#15
Acetone
Concen: 275.927 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

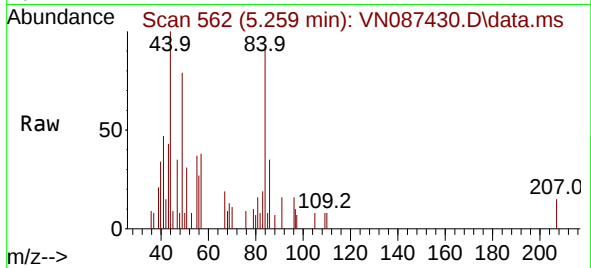
Tgt Ion: 58 Resp: 174622
Ion Ratio Lower Upper
58 100
43 337.8 248.4 372.6





#18
Methylene Chloride
Concen: 1.634 ug/l m
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

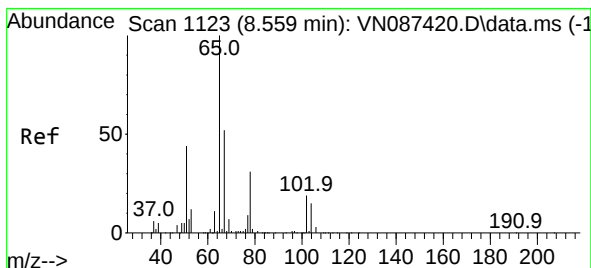
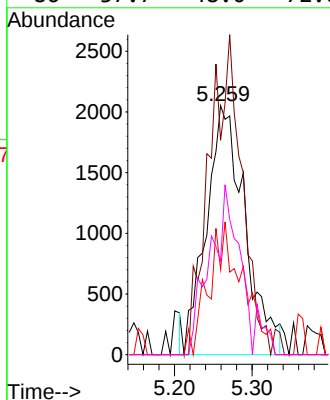
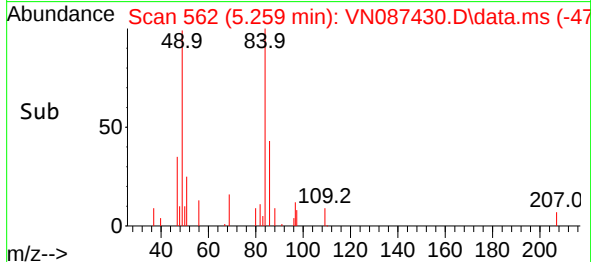
Instrument :
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Tgt Ion: 84 Resp: 710
Ion Ratio Lower Upper
84 100
49 86.1 93.5 140.3
51 34.2 28.0 42.0
86 37.7 48.0 72.0#

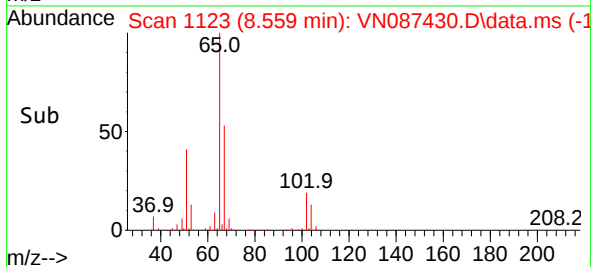
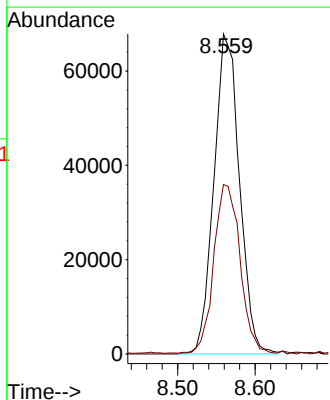
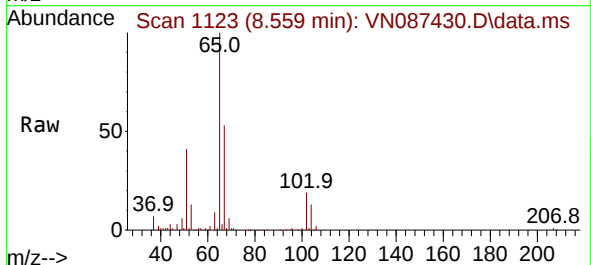
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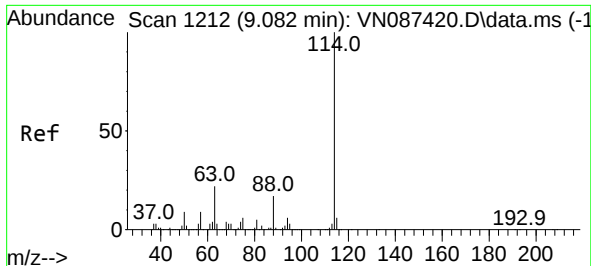
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#27
1,2-Dichloroethane-d4
Concen: 30.188 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

Tgt Ion: 65 Resp: 155838
Ion Ratio Lower Upper
65 100
67 54.0 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: VN087430.D

Acq: 28 Jul 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion: 114 Resp: 376224

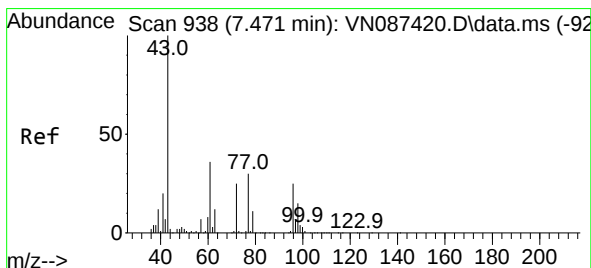
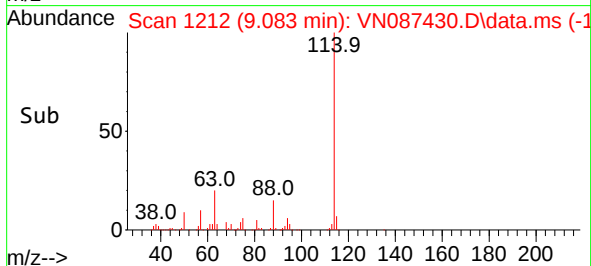
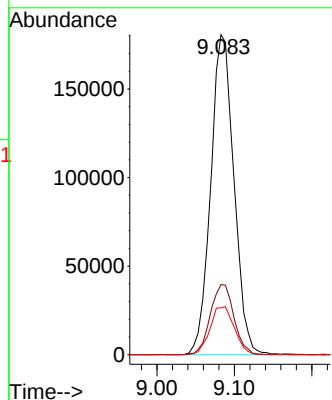
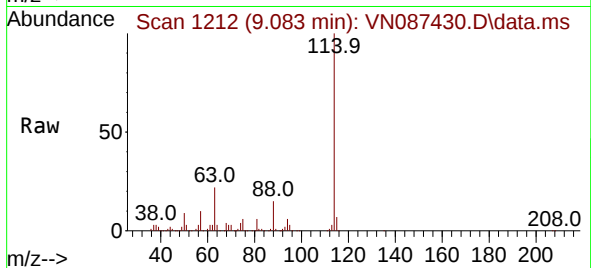
Ion	Ratio	Lower	Upper
114	100		
63	22.2	17.8	26.6
88	15.7	13.0	19.4

Manual Integrations

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Supervised By :Mahesh Dadoda 07/29/2025



#30

2-Butanone

Concen: 26.669 ug/l

RT: 7.477 min Scan# 939

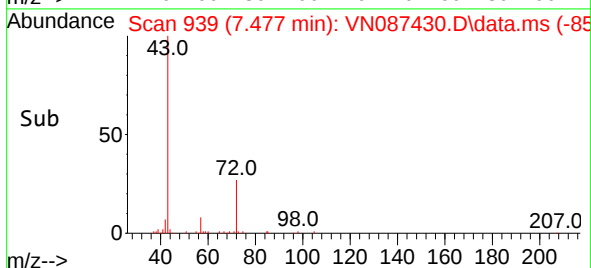
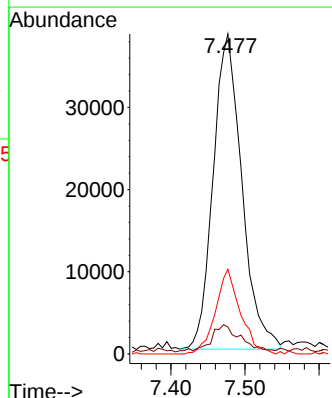
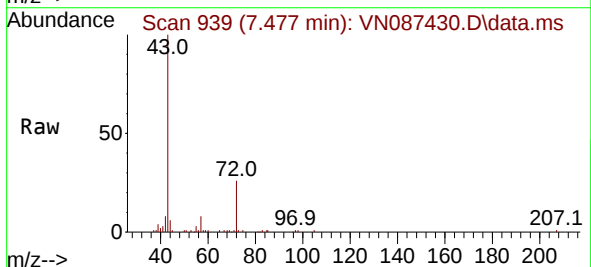
Delta R.T. 0.006 min

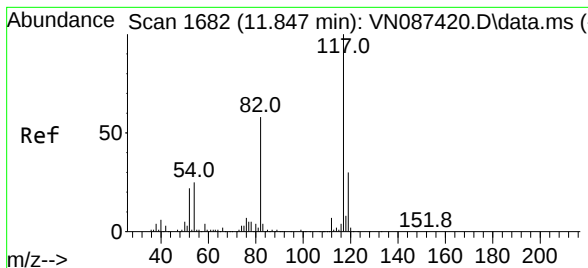
Lab File: VN087430.D

Acq: 28 Jul 2025 14:17

Tgt Ion: 43 Resp: 103196

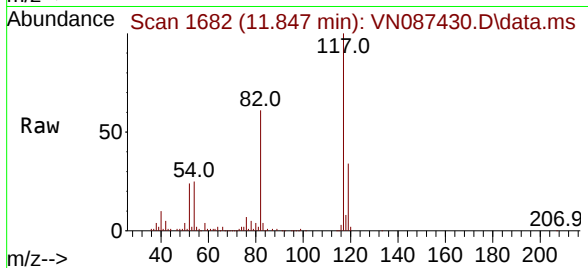
Ion	Ratio	Lower	Upper
43	100		
57	5.9	6.0	9.0#
72	23.3	20.3	30.5





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

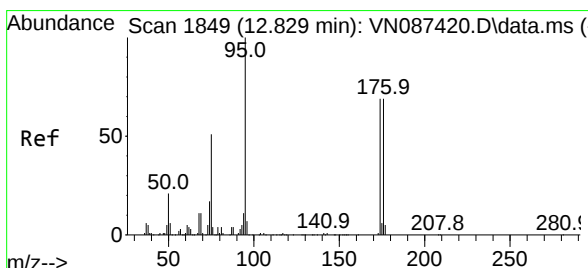
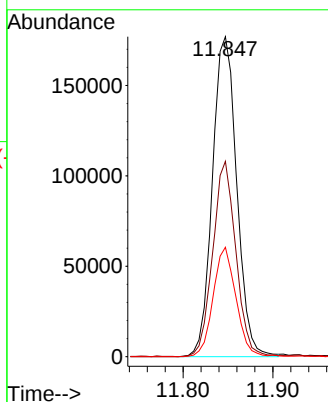
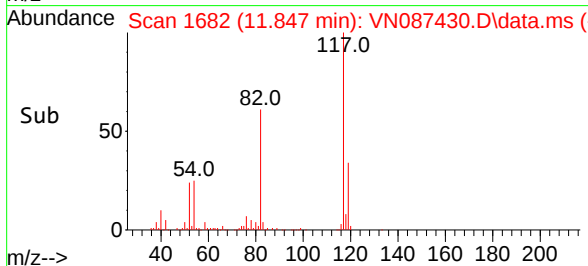
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)



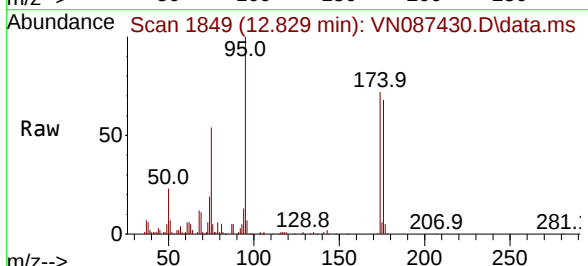
Tgt Ion:117 Resp: 33301
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 32.0 25.7 38.5

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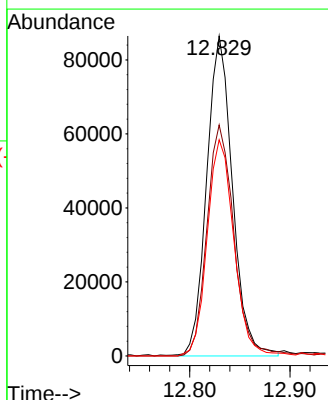
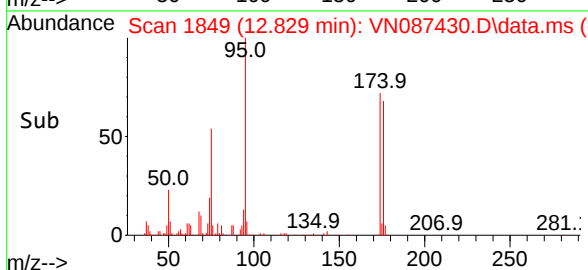
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

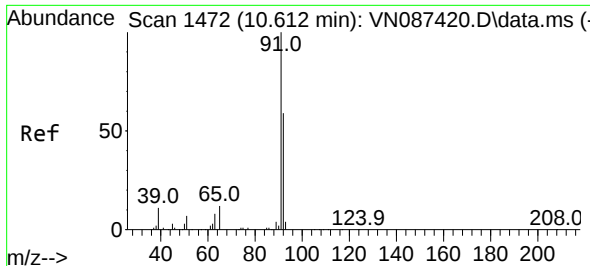


#60
4-Bromofluorobenzene
Concen: 28.262 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17



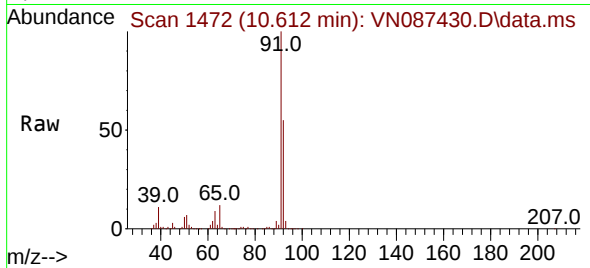
Tgt Ion: 95 Resp: 154553
Ion Ratio Lower Upper
95 100
174 75.2 57.8 86.8
176 70.0 54.9 82.3





#62
Toluene
Concen: 137.355 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

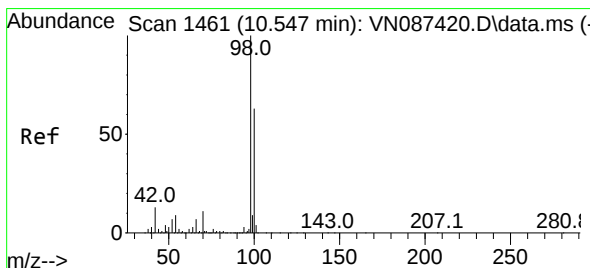
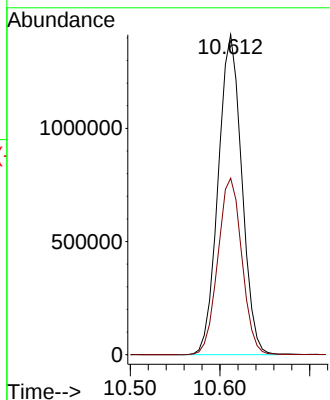
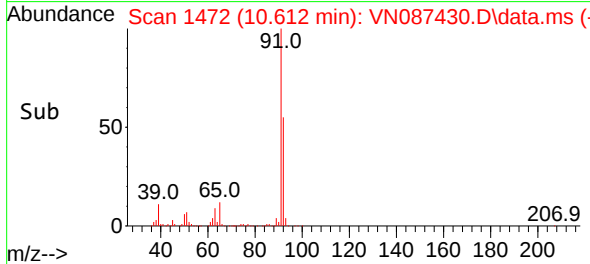
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)



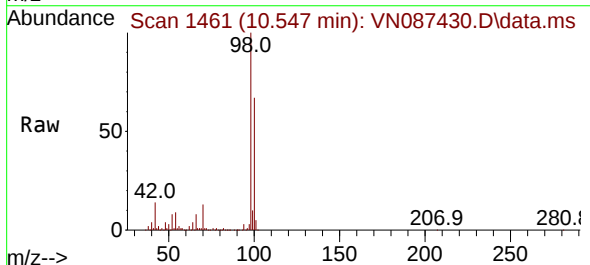
Tgt Ion: 91 Resp: 258144
Ion Ratio Lower Upper
91 100
92 56.1 45.6 68.4

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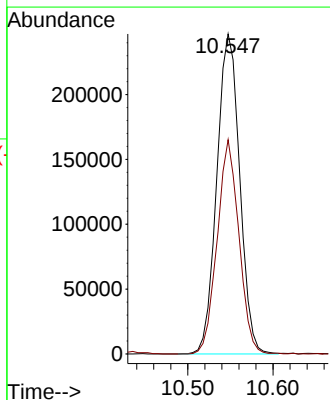
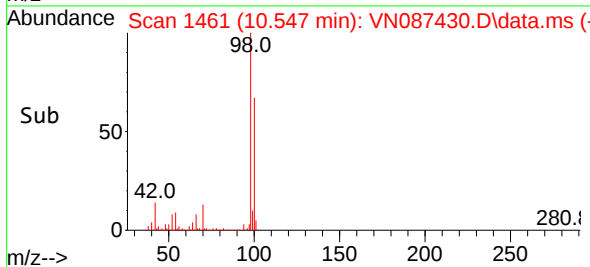
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

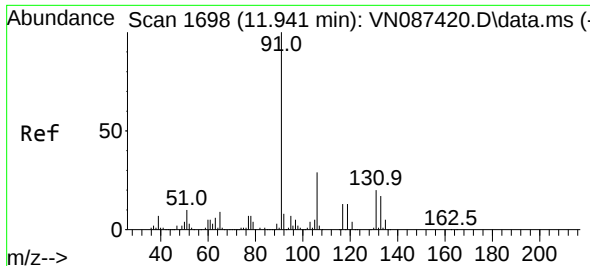


#63
Toluene-d8
Concen: 30.067 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17



Tgt Ion: 98 Resp: 459827
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





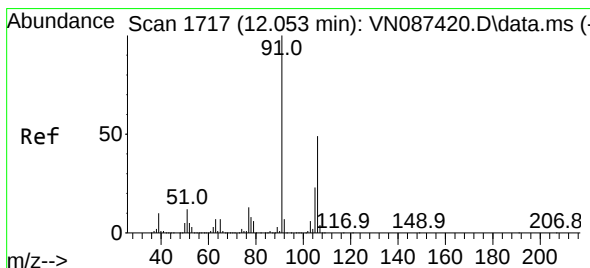
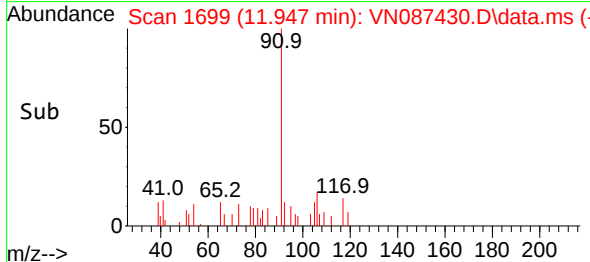
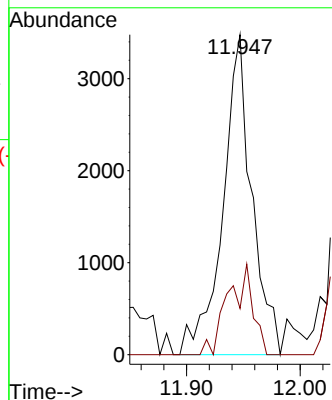
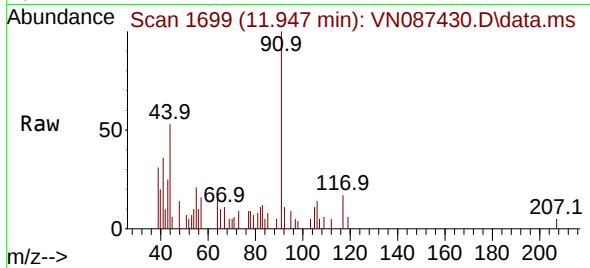
#66
Ethyl Benzene
Concen: 0.299 ug/l
RT: 11.947 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 91 Resp: 614
Ion Ratio Lower Upper
91 100
106 14.5 23.6 35.4

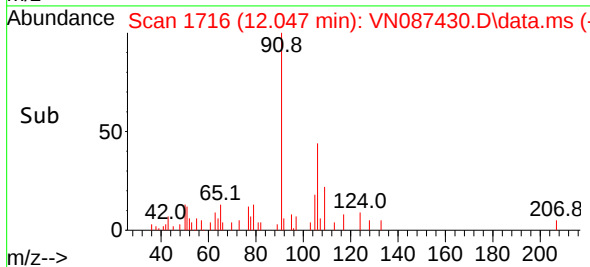
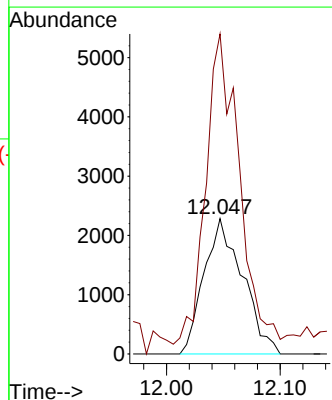
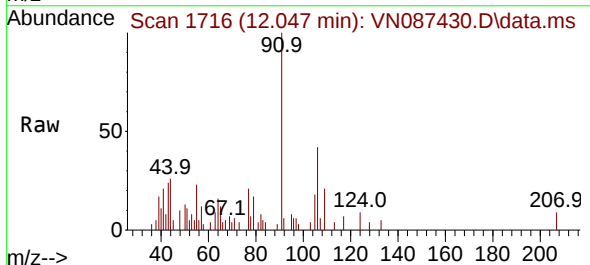
Manual Integrations
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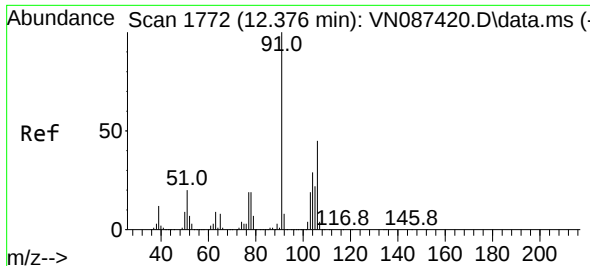
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#67
m/p-Xylenes
Concen: 0.701 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

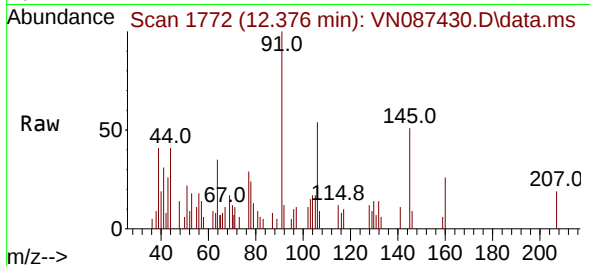
Tgt Ion:106 Resp: 5396
Ion Ratio Lower Upper
106 100
91 193.7 165.4 248.2





#68
o-Xylene
Concen: 0.411 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

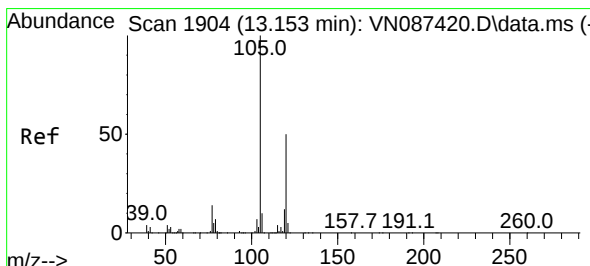
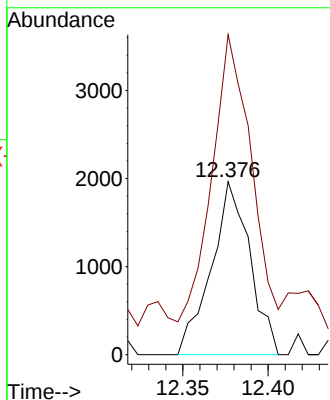
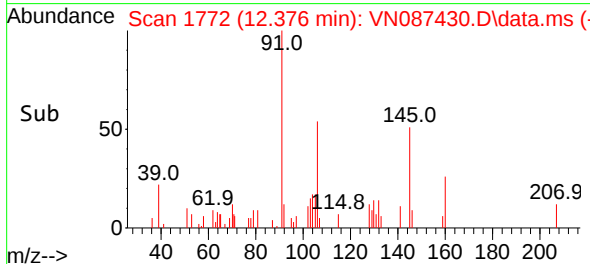
Instrument :
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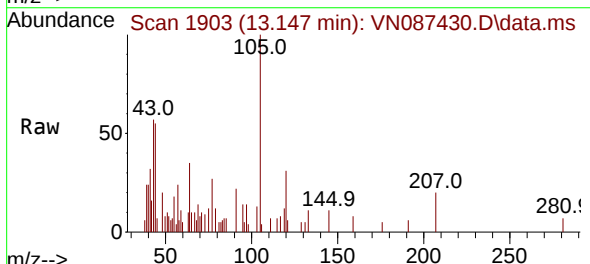
Tgt Ion:106 Resp: 3094
Ion Ratio Lower Upper
106 100
91 185.5 106.9 320.8

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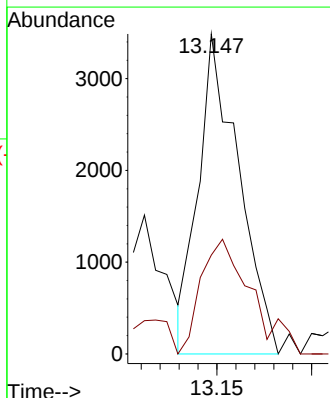
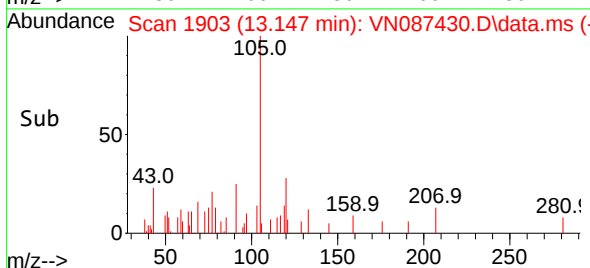
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

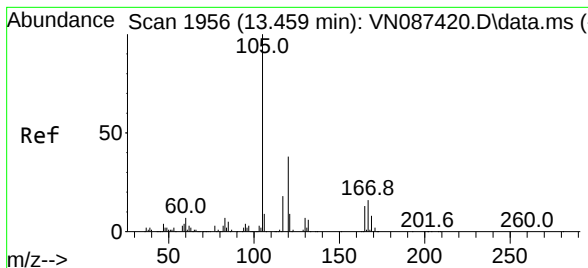


#76
1,3,5-Trimethylbenzene
Concen: 0.323 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17



Tgt Ion:105 Resp: 5169
Ion Ratio Lower Upper
105 100
120 40.4 0.0 97.0





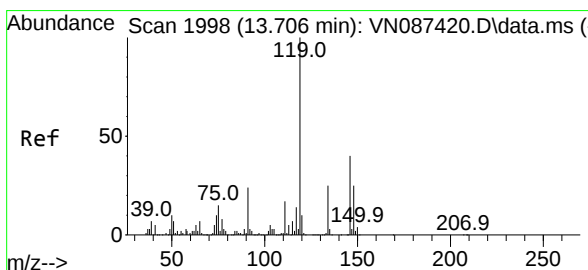
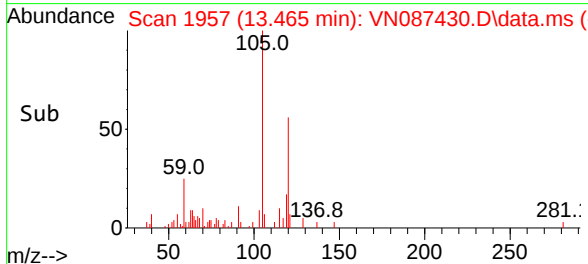
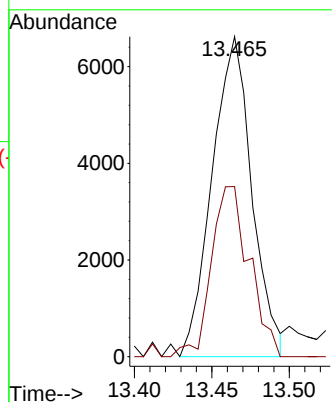
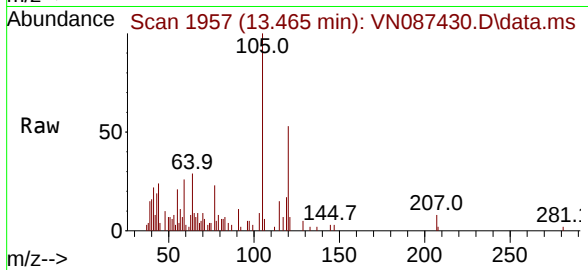
#80
1,2,4-Trimethylbenzene
Concen: 0.743 ug/l
RT: 13.465 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:105 Resp: 1180
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: 1.862 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN087430.D
Acq: 28 Jul 2025 14:17

Tgt Ion:119 Resp: 31069
Ion Ratio Lower Upper
119 100
134 25.1 0.0 50.8
91 21.5 0.0 47.6

