

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087578.D
 Acq On : 15 Aug 2025 13:52
 Operator : JC\MD
 Sample : Q2821-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-COMP

Manual Integrations
 APPROVED

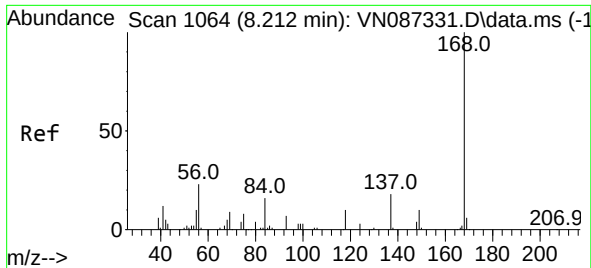
Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 05:42:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

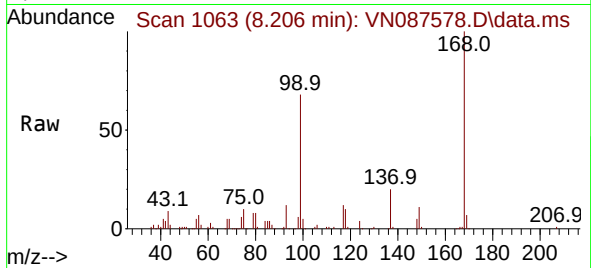
Internal Standards						
1) Pentafluorobenzene	8.206	168	231141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	503313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	463732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	216455	55.190	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.380%			
35) Dibromofluoromethane	8.147	113	157647	45.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.820%			
50) Toluene-d8	10.547	98	585938	47.312	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.620%			
62) 4-Bromofluorobenzene	12.829	95	210063	45.911	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.820%			
Target Compounds					Qvalue	
13) Acrolein	4.177	56	7482m	12.519	ug/l	
16) Acetone	4.430	43	45789	24.900	ug/l	99
25) 2-Butanone	7.477	43	17443	6.139	ug/l	93
31) Cyclohexane	8.230	56	11960m	2.481	ug/l	
39) Methylcyclohexane	9.582	83	33693	6.785	ug/l	88
40) Benzene	8.588	78	40025	2.700	ug/l	95
52) Toluene	10.612	92	73921	8.204	ug/l	92
67) Ethyl Benzene	11.941	91	22230	1.297	ug/l	97
68) m/p-Xylenes	12.053	106	178662	27.838	ug/l	91
69) o-Xylene	12.376	106	15542	2.535	ug/l	99
73) Isopropylbenzene	12.676	105	15441	1.094	ug/l	94
78) n-propylbenzene	13.018	91	41400	2.331	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	219510	18.254	ug/l	96
83) tert-Butylbenzene	13.412	119	3789	0.377	ug/l	88
84) 1,2,4-Trimethylbenzene	13.459	105	305334	24.863	ug/l	98
85) sec-Butylbenzene	13.594	105	10804m	0.714	ug/l	
86) p-Isopropyltoluene	13.712	119	17174	1.417	ug/l	99
89) n-Butylbenzene	14.023	91	16457m	1.422	ug/l	
95) Naphthalene	15.611	128	141055	9.960	ug/l	98

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

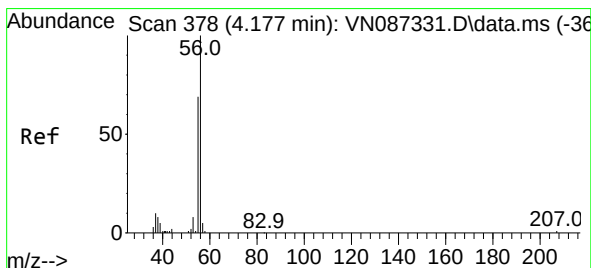
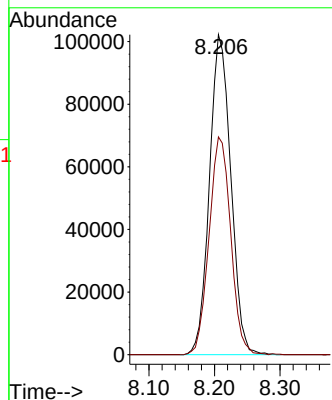
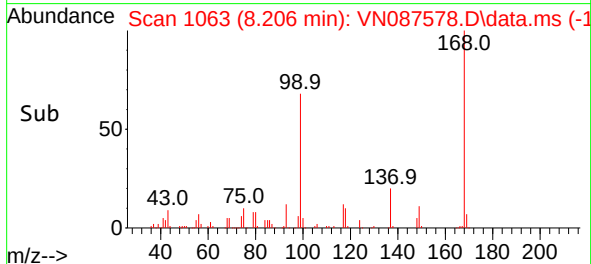
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



Tgt Ion:168 Resp: 23114
Ion Ratio Lower Upper
168 100
99 68.1 47.9 71.9

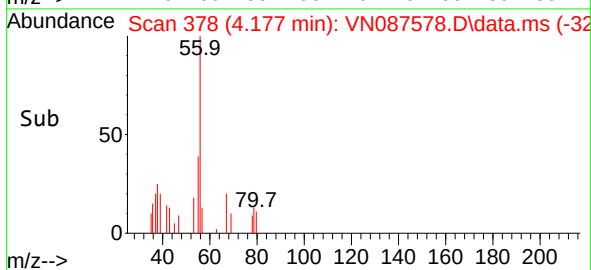
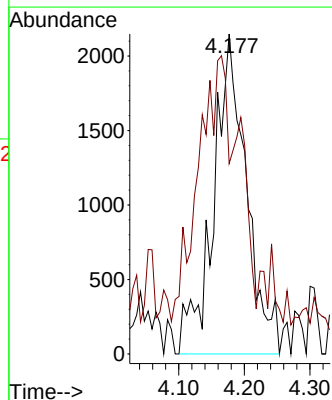
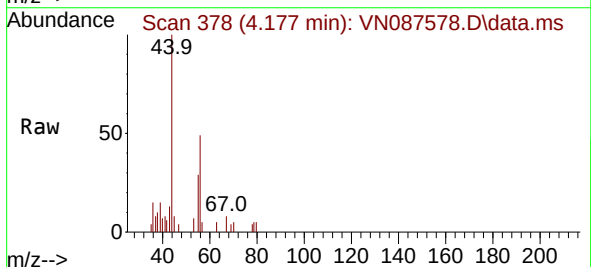
Manual Integrations
APPROVED

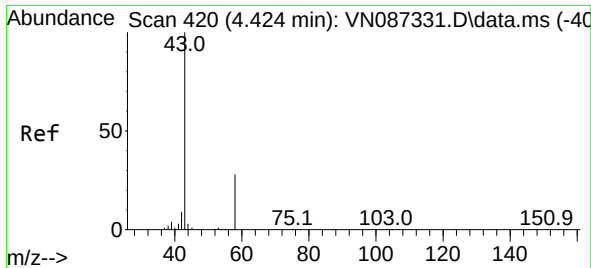
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#13
Acrolein
Concen: 12.519 ug/l m
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

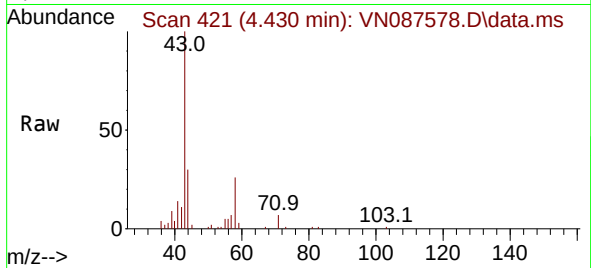
Tgt Ion: 56 Resp: 7482
Ion Ratio Lower Upper
56 100
55 78.2 56.2 84.4





#16
Acetone
Concen: 24.900 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

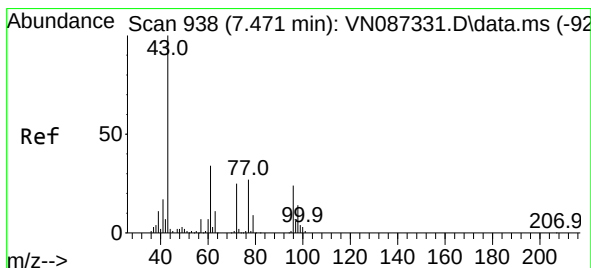
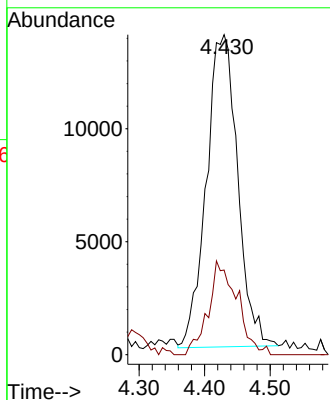
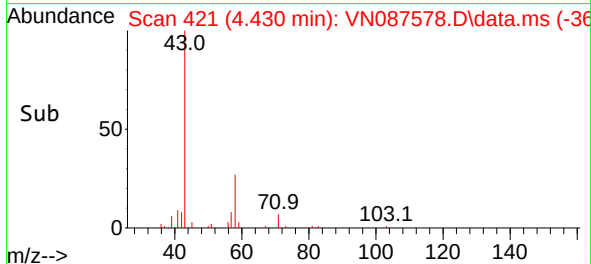
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



Tgt Ion: 43 Resp: 45789
Ion Ratio Lower Upper
43 100
58 27.2 22.3 33.5

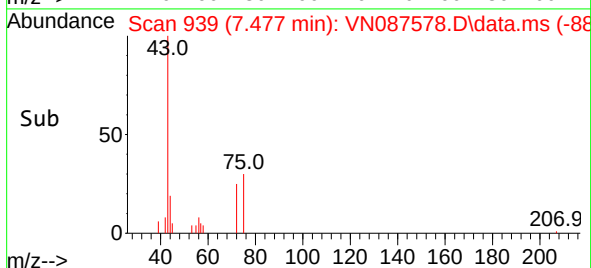
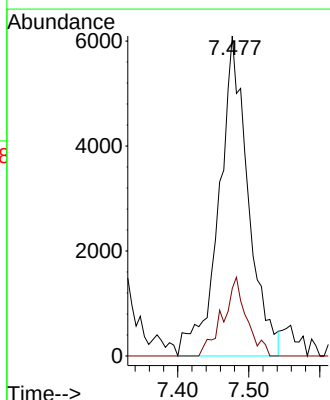
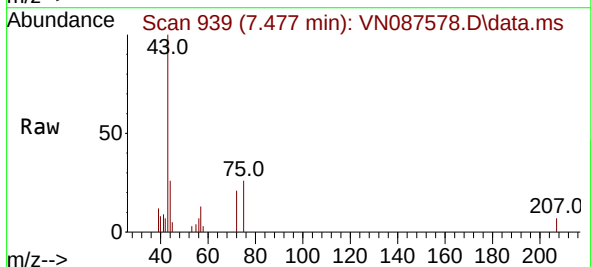
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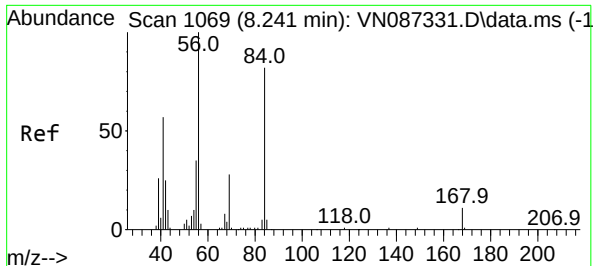
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#25
2-Butanone
Concen: 6.139 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

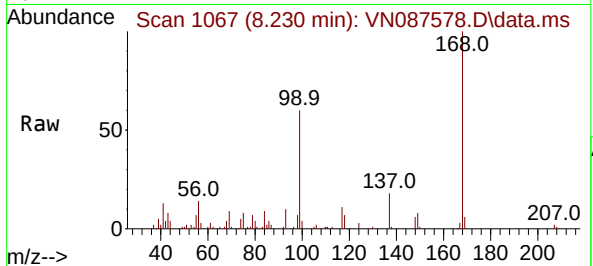
Tgt Ion: 43 Resp: 17443
Ion Ratio Lower Upper
43 100
72 21.1 19.6 29.4





#31
Cyclohexane
Concen: 2.481 ug/l m
RT: 8.230 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

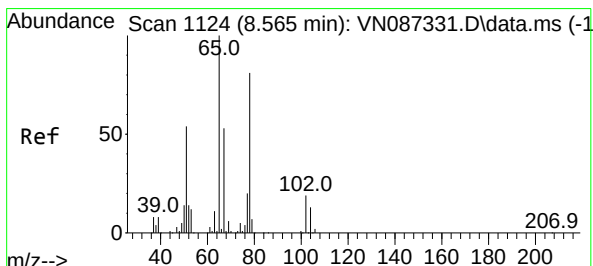
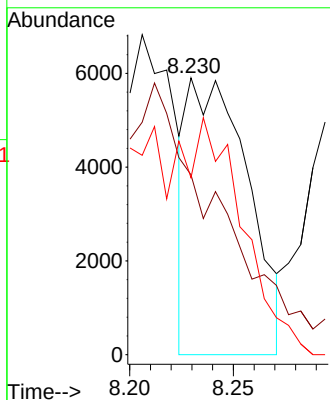
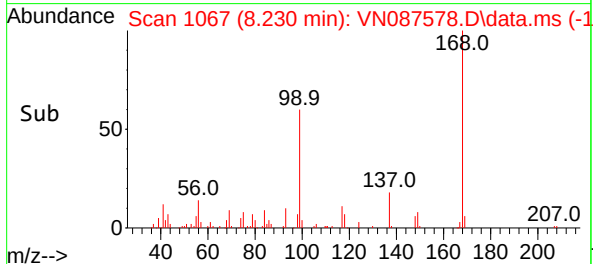
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



Tgt Ion: 56 Resp: 11960
Ion Ratio Lower Upper
56 100
69 65.0 22.7 34.1
84 63.9 65.8 98.6

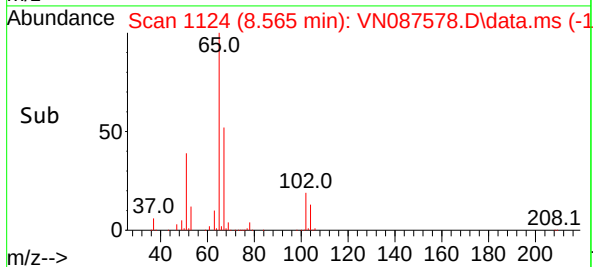
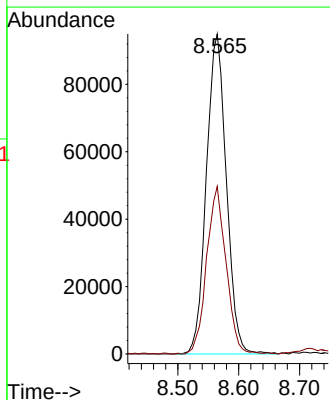
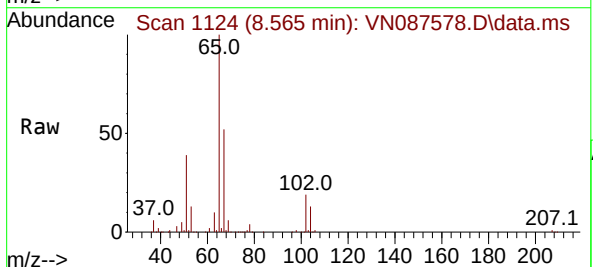
Manual Integrations
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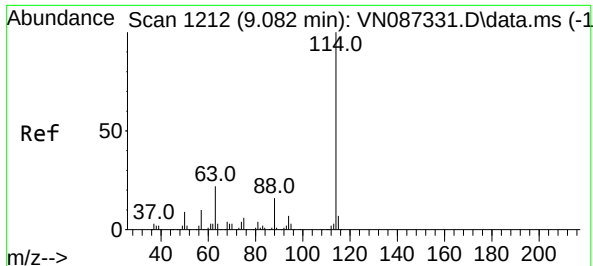
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#33
1,2-Dichloroethane-d4
Concen: 55.190 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 65 Resp: 216455
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

GW-COMP

Tgt Ion:114 Resp: 50331

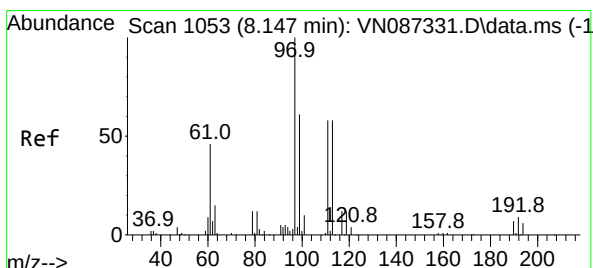
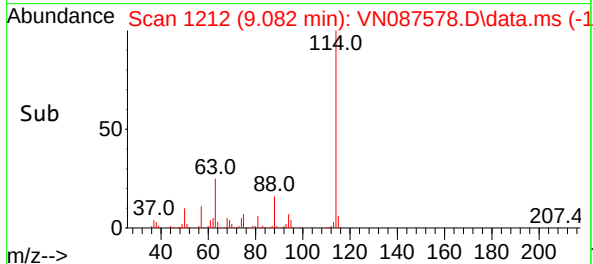
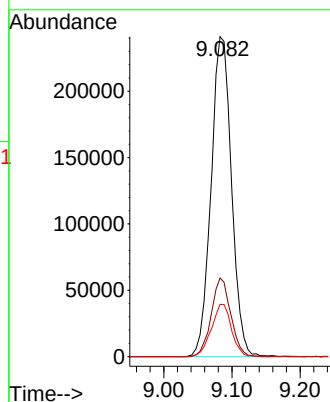
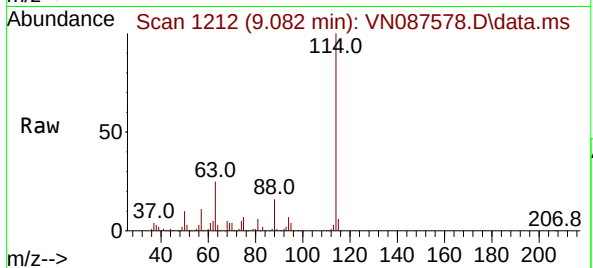
Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	44.6
88	16.3	0.0	32.8

Manual Integrations

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Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#35

Dibromofluoromethane

Concen: 45.407 ug/l

RT: 8.147 min Scan# 1053

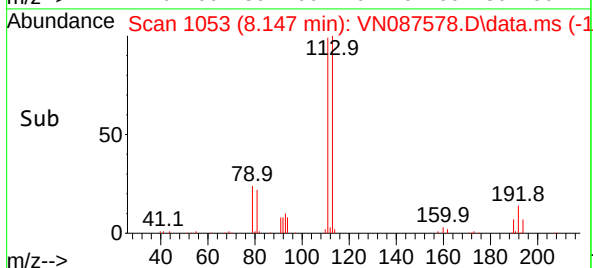
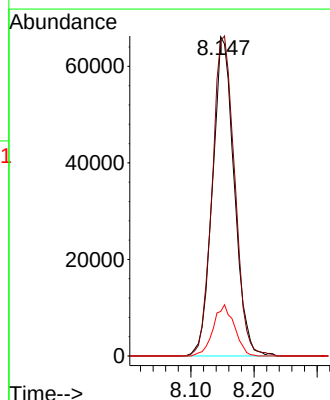
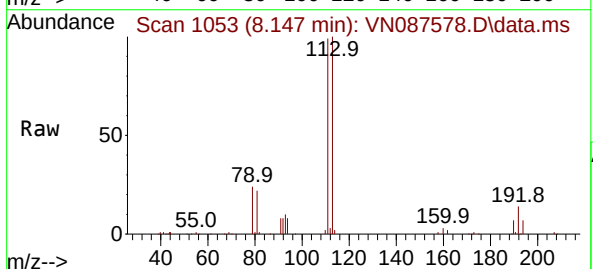
Delta R.T. 0.000 min

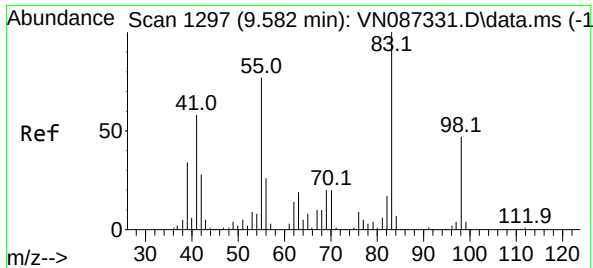
Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Tgt Ion:113 Resp: 157647

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.5	123.7
192	15.7	13.7	20.5





#39

Methylcyclohexane

Concen: 6.785 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

GW-COMP

Tgt Ion: 83 Resp: 3369

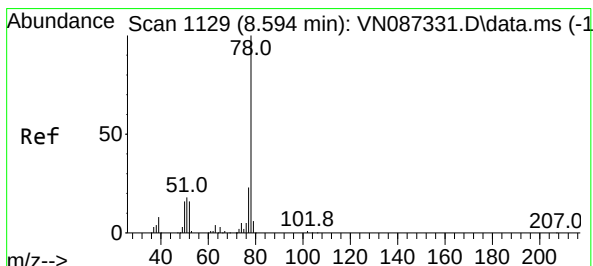
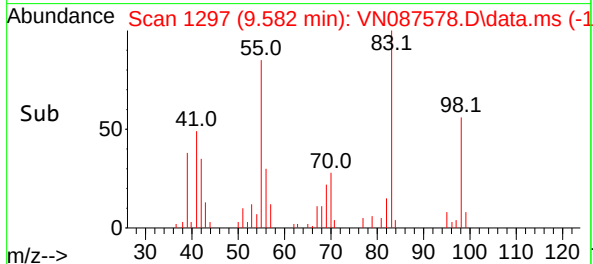
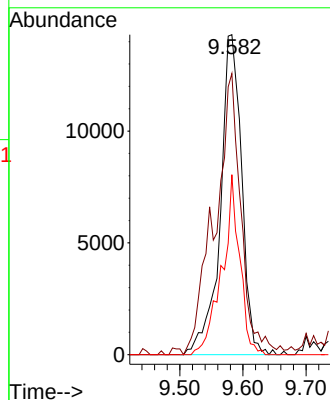
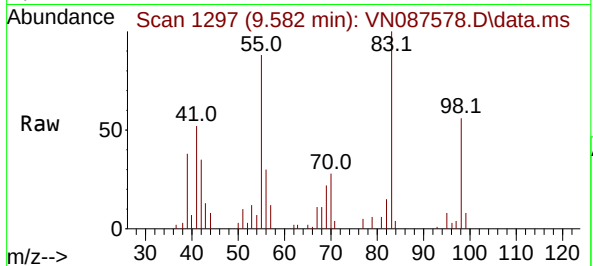
Ion	Ratio	Lower	Upper
83	100		
55	86.0	61.3	91.9
98	56.2	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 2.700 ug/l

RT: 8.588 min Scan# 1128

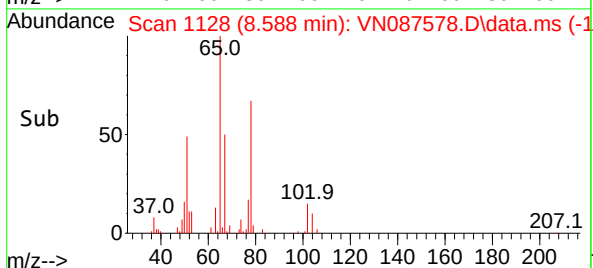
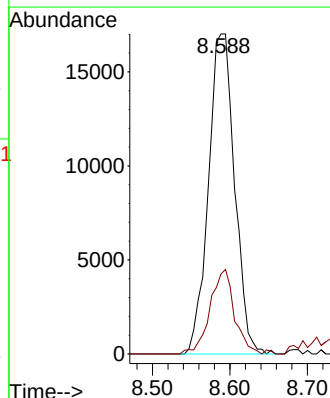
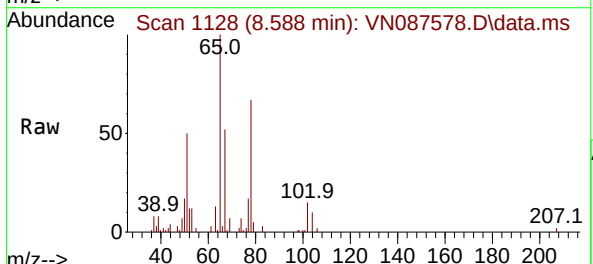
Delta R.T. -0.006 min

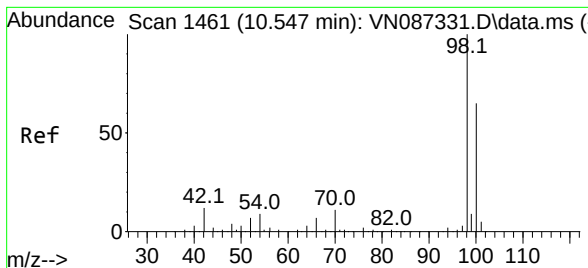
Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Tgt Ion: 78 Resp: 40025

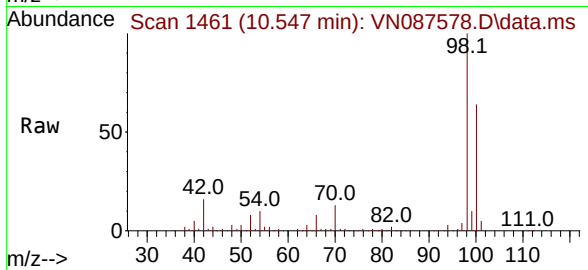
Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.2	27.2





#50
Toluene-d8
Concen: 47.312 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

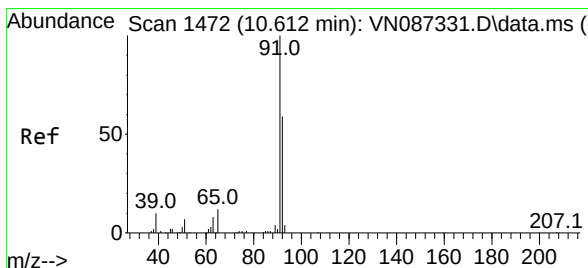
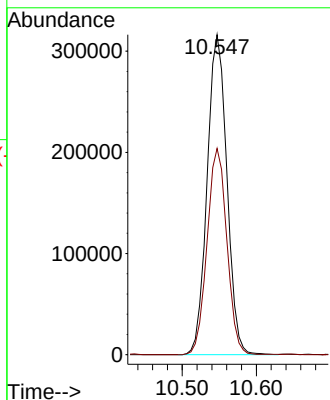
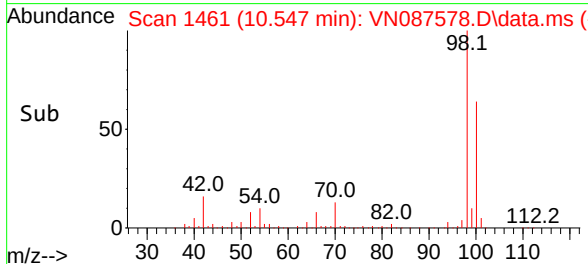
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



Tgt Ion: 98 Resp: 585938
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

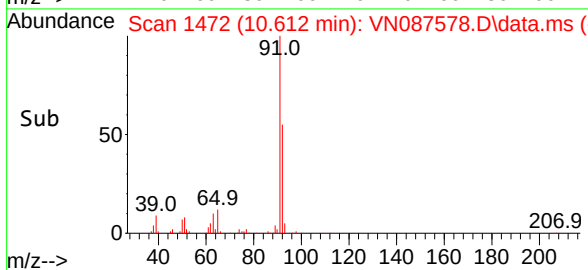
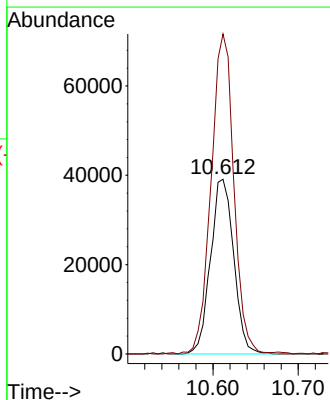
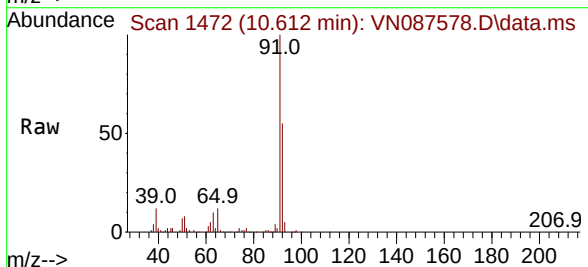
Manual Integrations
APPROVED

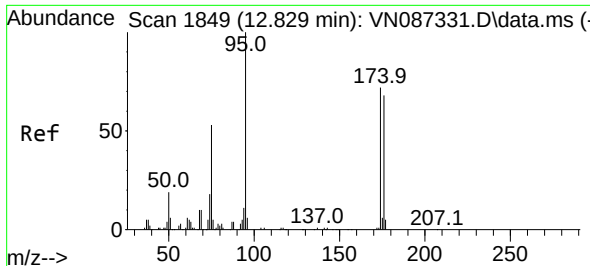
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 8.204 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

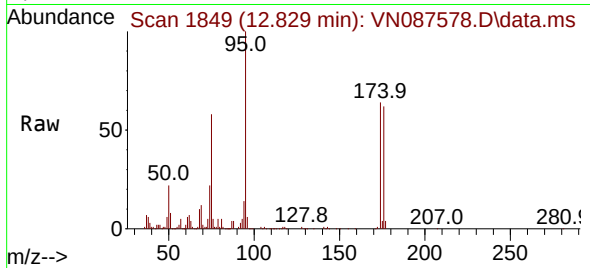
Tgt Ion: 92 Resp: 73921
Ion Ratio Lower Upper
92 100
91 179.7 135.1 202.7





#62
4-Bromofluorobenzene
Concen: 45.911 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

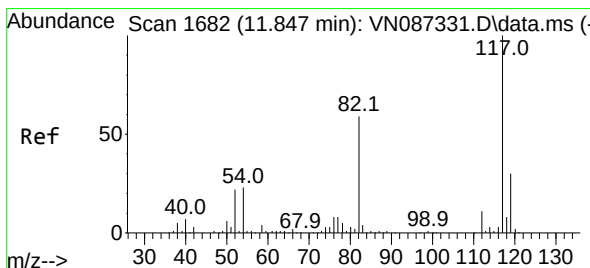
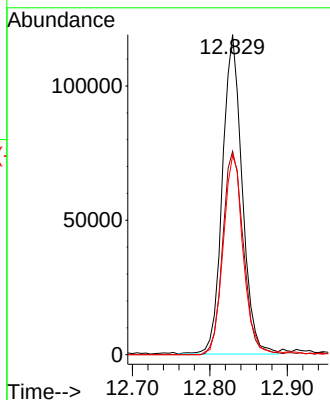
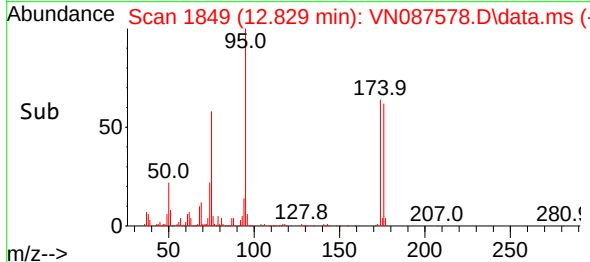
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



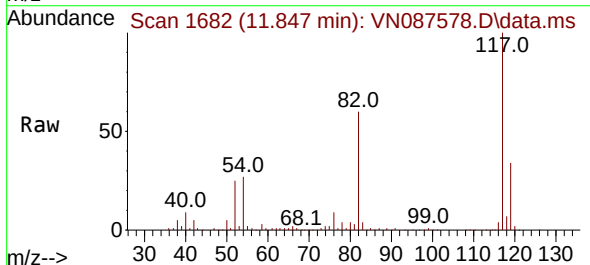
Tgt Ion: 95 Resp: 21006
Ion Ratio Lower Upper
95 100
174 66.6 0.0 149.4
176 63.7 0.0 141.2

Manual Integrations
APPROVED

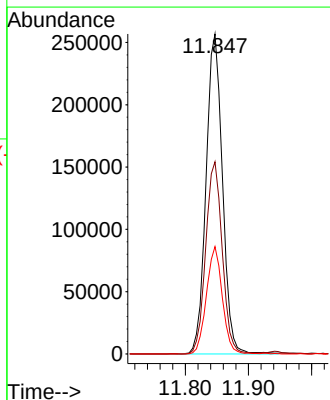
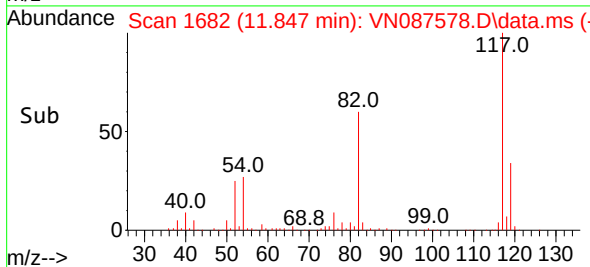
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

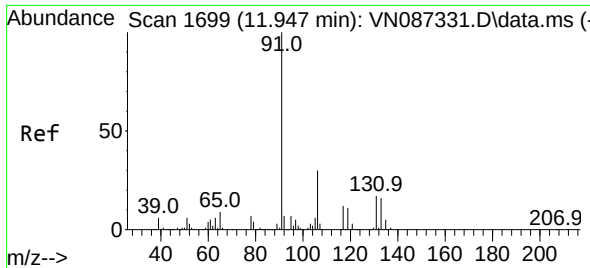


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52



Tgt Ion:117 Resp: 463732
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 33.6 23.8 35.8





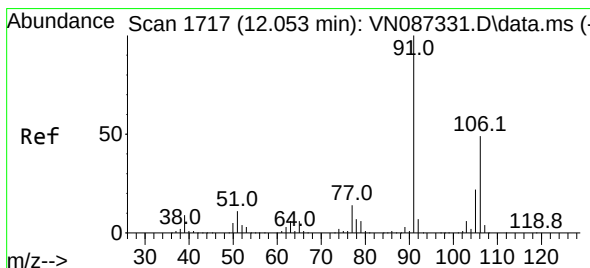
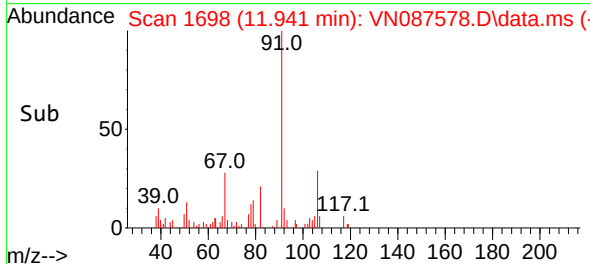
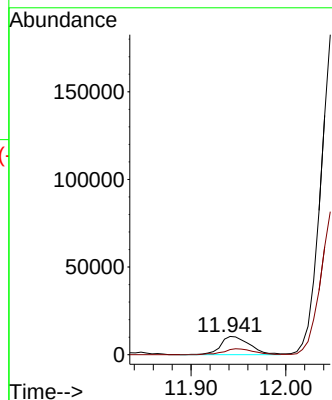
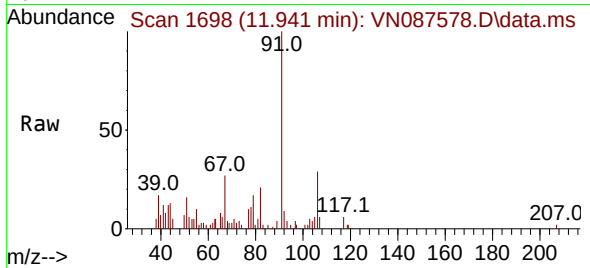
#67
Ethyl Benzene
Concen: 1.297 ug/l
RT: 11.941 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
GW-COMP

Tgt Ion: 91 Resp: 22230
Ion Ratio Lower Upper
91 100
106 28.5 24.3 36.5

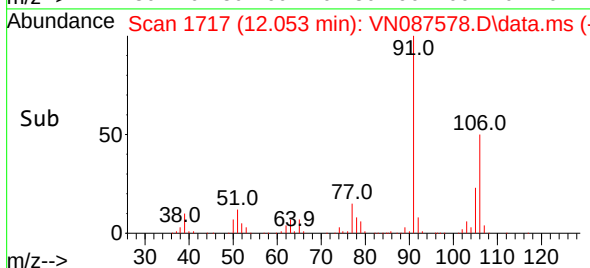
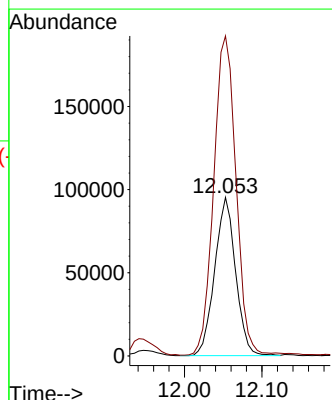
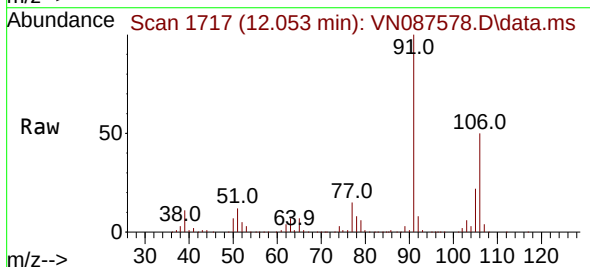
Manual Integrations
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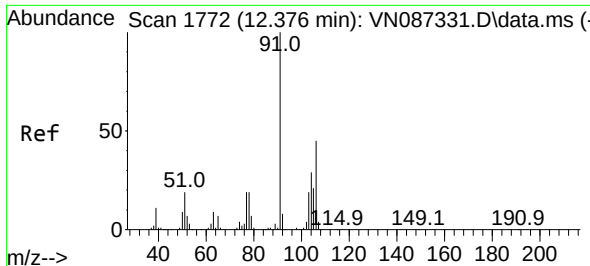
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#68
m/p-Xylenes
Concen: 27.838 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

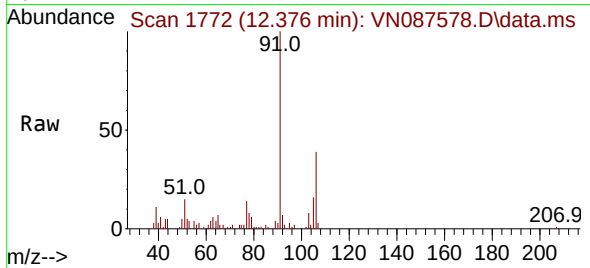
Tgt Ion:106 Resp: 178662
Ion Ratio Lower Upper
106 100
91 215.8 162.0 243.0





#69
o-Xylene
Concen: 2.535 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

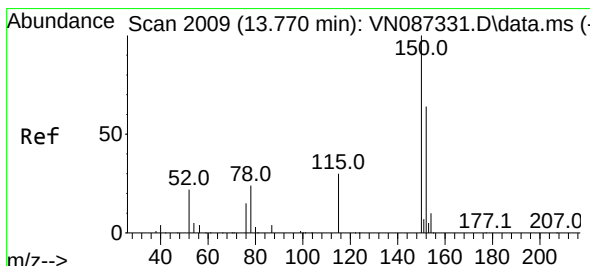
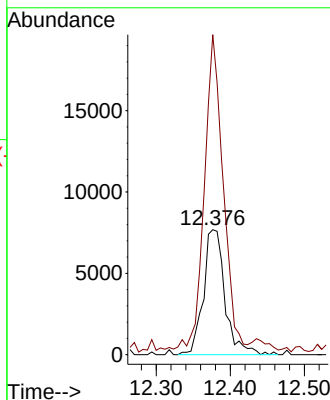
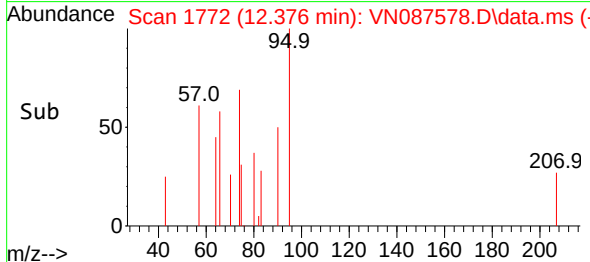
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



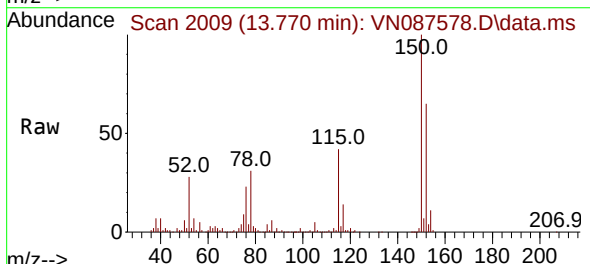
Tgt Ion:106 Resp: 1554
Ion Ratio Lower Upper
106 100
91 217.1 107.7 323.3

Manual Integrations
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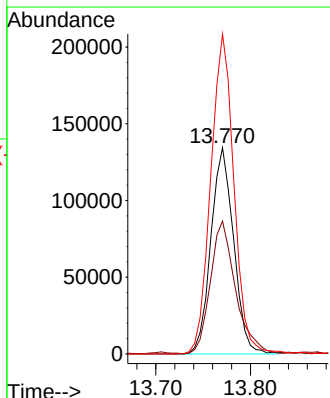
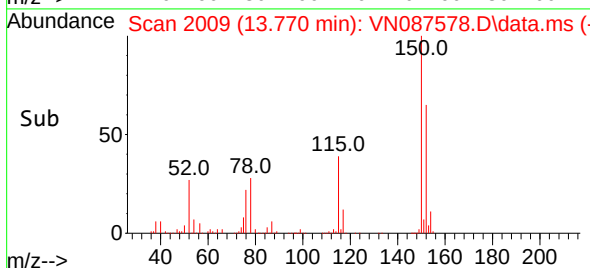
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

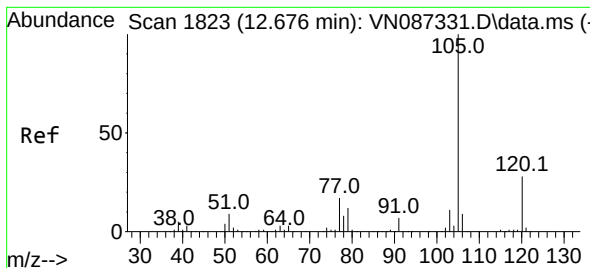


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52



Tgt Ion:152 Resp: 224252
Ion Ratio Lower Upper
152 100
115 71.4 31.1 93.5
150 158.2 0.0 349.0





#73

Isopropylbenzene

Concen: 1.094 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

GW-COMP

Tgt Ion:105 Resp: 1544

Ion Ratio Lower Upper

105 100

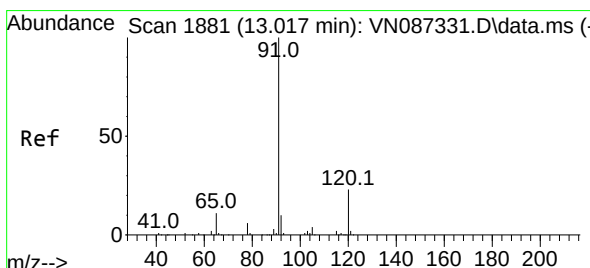
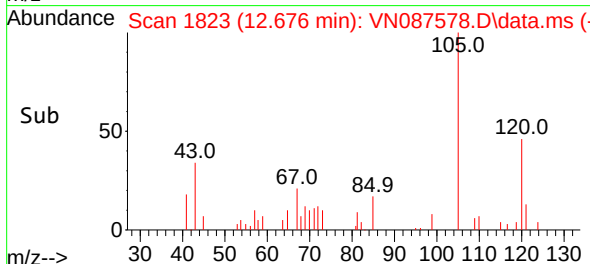
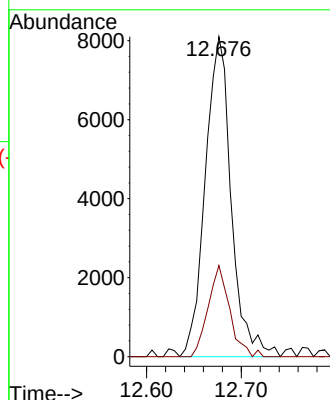
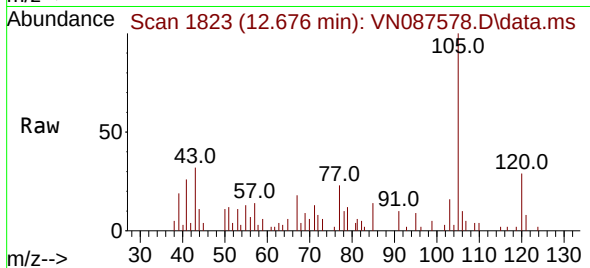
120 23.7 13.4 40.1

Manual Integrations

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Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#78

n-propylbenzene

Concen: 2.331 ug/l

RT: 13.018 min Scan# 1881

Delta R.T. 0.000 min

Lab File: VN087578.D

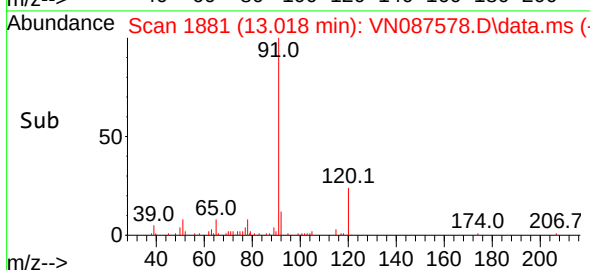
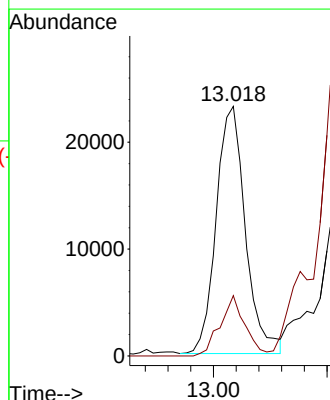
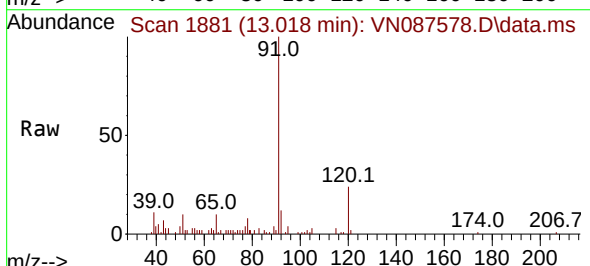
Acq: 15 Aug 2025 13:52

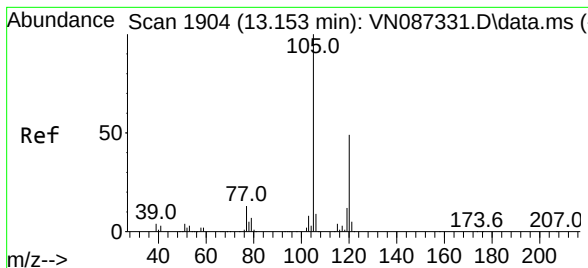
Tgt Ion: 91 Resp: 41400

Ion Ratio Lower Upper

91 100

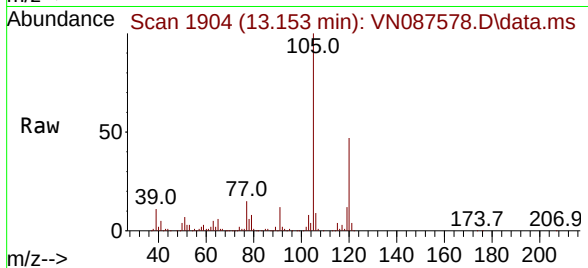
120 20.8 11.3 33.8





#80
1,3,5-Trimethylbenzene
Concen: 18.254 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

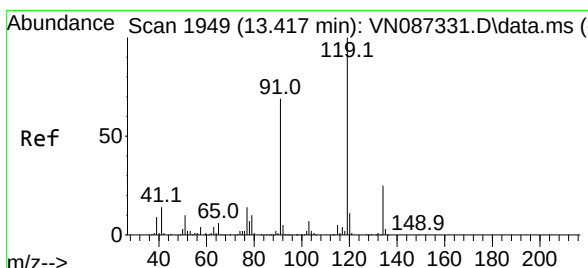
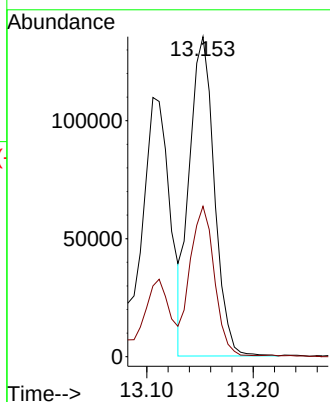
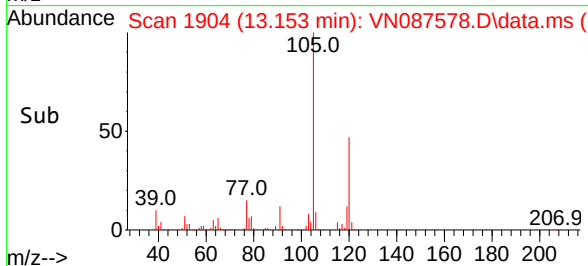
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



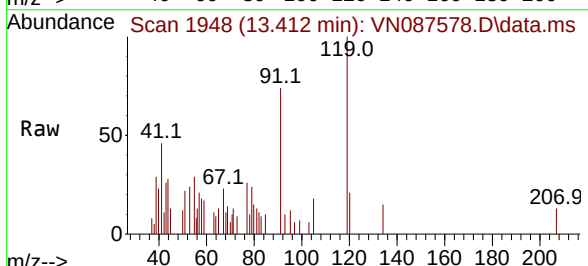
Tgt Ion:105 Resp: 219510
Ion Ratio Lower Upper
105 100
120 45.6 24.3 72.8

Manual Integrations
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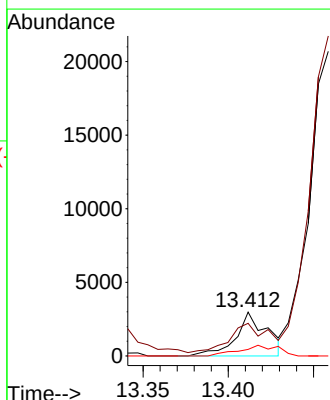
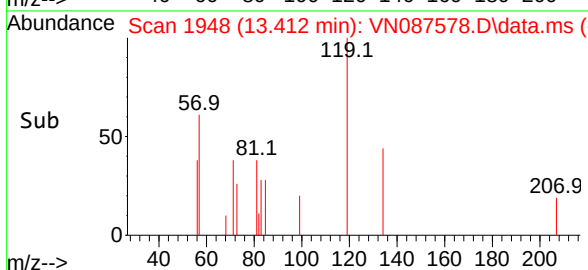
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

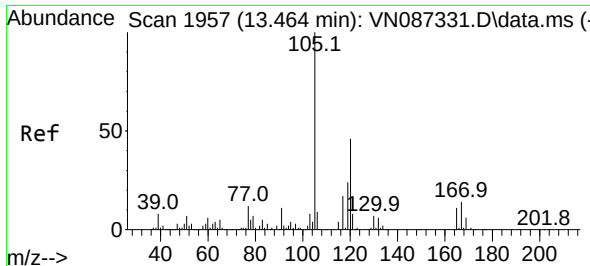


#83
tert-Butylbenzene
Concen: 0.377 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52



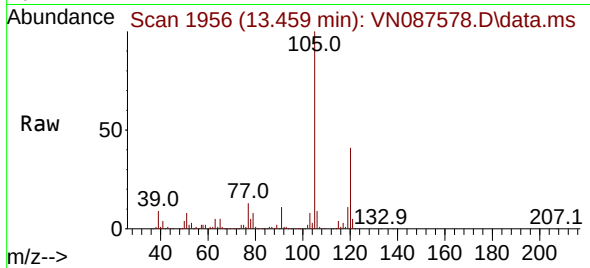
Tgt Ion:119 Resp: 3789
Ion Ratio Lower Upper
119 100
91 80.4 35.0 105.1
134 30.3 12.6 37.6





#84
1,2,4-Trimethylbenzene
Concen: 24.863 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

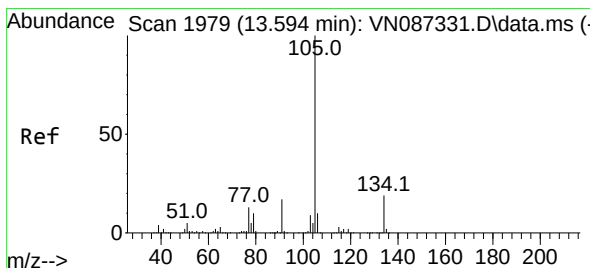
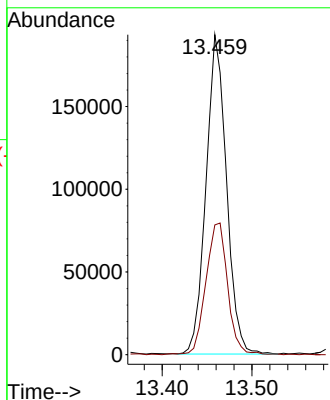
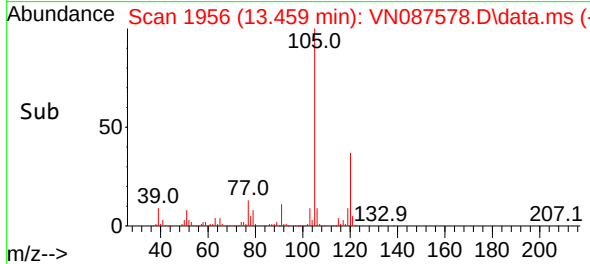
Instrument :
MSVOA_N
ClientSampleId :
GW-COMP



Tgt Ion:105 Resp: 305334
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.3

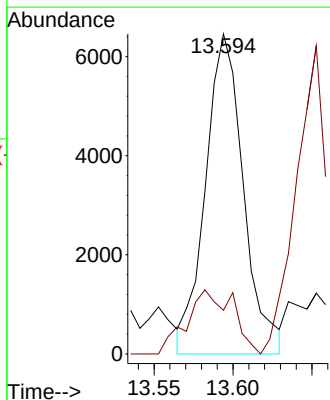
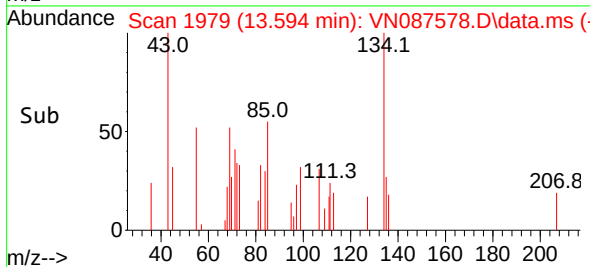
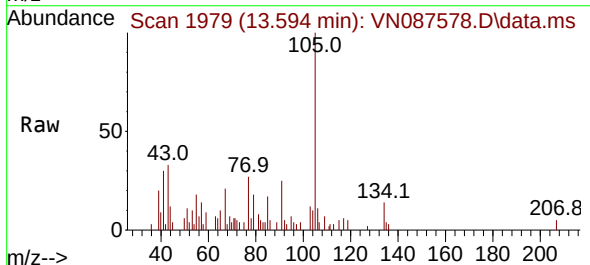
Manual Integrations
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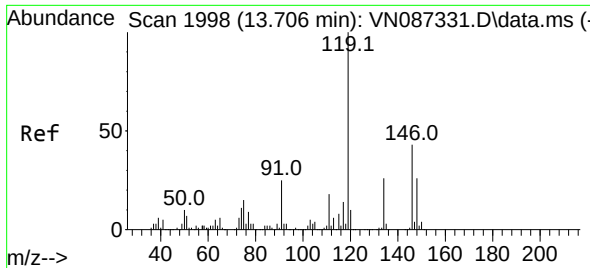
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#85
sec-Butylbenzene
Concen: 0.714 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion:105 Resp: 10804
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#





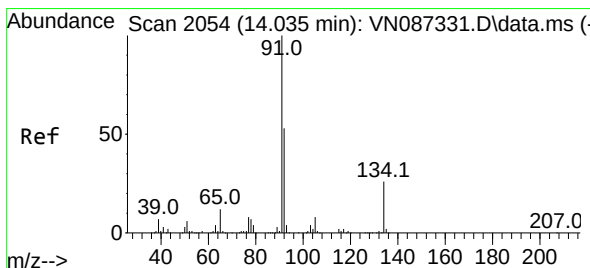
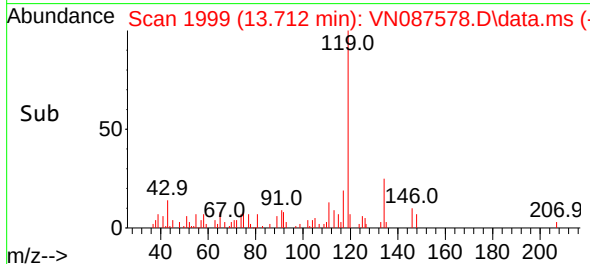
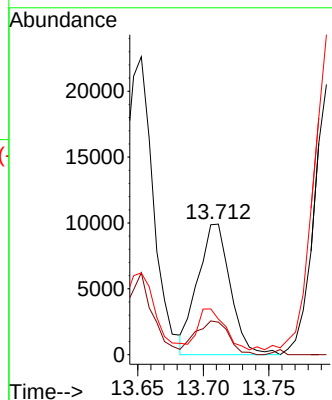
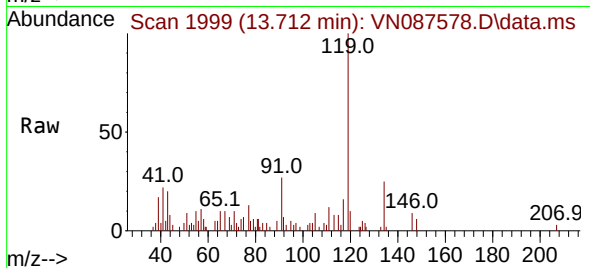
#86
p-Isopropyltoluene
Concen: 1.417 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
GW-COMP

Tgt Ion: 119 Resp: 17174
Ion Ratio Lower Upper
119 100
134 26.5 13.5 40.5
91 25.3 12.2 36.6

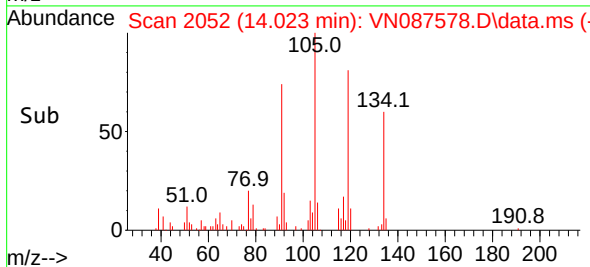
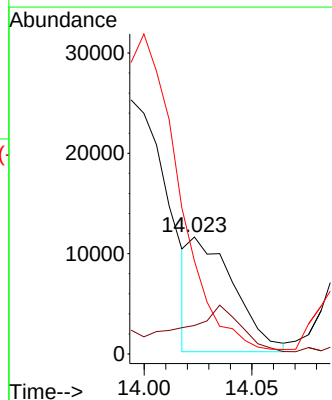
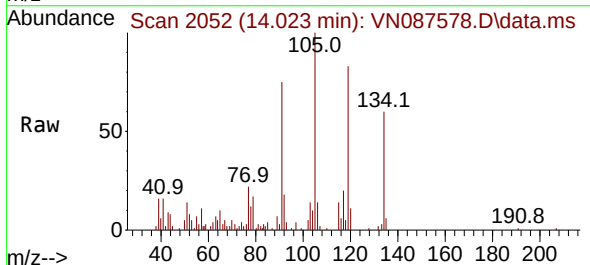
Manual Integrations
APPROVED

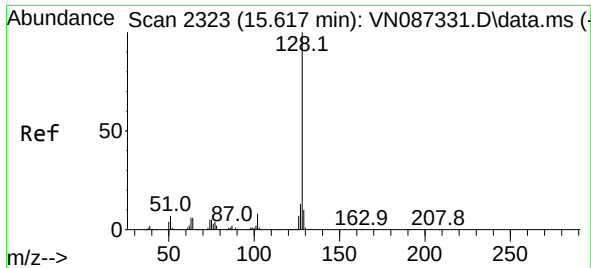
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#89
n-Butylbenzene
Concen: 1.422 ug/l m
RT: 14.023 min Scan# 2052
Delta R.T. -0.012 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 91 Resp: 16457
Ion Ratio Lower Upper
91 100
92 7.0 26.2 78.6#
134 79.0 12.4 37.2#





#95

Naphthalene

Concen: 9.960 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

GW-COMP

Tgt Ion:128 Resp: 14105

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 11.3 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025

