

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086898.D
 Acq On : 09 Jun 2025 12:38
 Operator : JC\MD
 Sample : Q2236-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-04-GRE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 03:30:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	357416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	624769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	547693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	258175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206514	43.155	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.300%		
35) Dibromofluoromethane	8.177	113	120651	32.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	65.180%#		
50) Toluene-d8	10.570	98	752459	51.337	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.680%		
62) 4-Bromofluorobenzene	12.847	95	264424	48.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.120%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.983	74	81599	30.196	ug/l	92
16) Acetone	4.447	43	147270	58.032	ug/l	99
20) Methylene Chloride	5.300	84	7387	1.555	ug/l #	83
40) Benzene	8.612	78	1949840	108.077	ug/l	99
52) Toluene	10.629	92	723153	65.589	ug/l	100
67) Ethyl Benzene	11.965	91	2970975	142.788	ug/l	99
68) m/p-Xylenes	12.065	106	539700	67.760	ug/l	98
69) o-Xylene	12.394	106	375364	49.207	ug/l	97
73) Isopropylbenzene	12.694	105	129285	6.874	ug/l	99
78) n-propylbenzene	13.035	91	28851	1.262	ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	104344	6.720	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	391582	25.148	ug/l	97
86) p-Isopropyltoluene	13.729	119	17849	1.046	ug/l #	78
95) Naphthalene	15.629	128	22498070m	1160.940	ug/l	

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

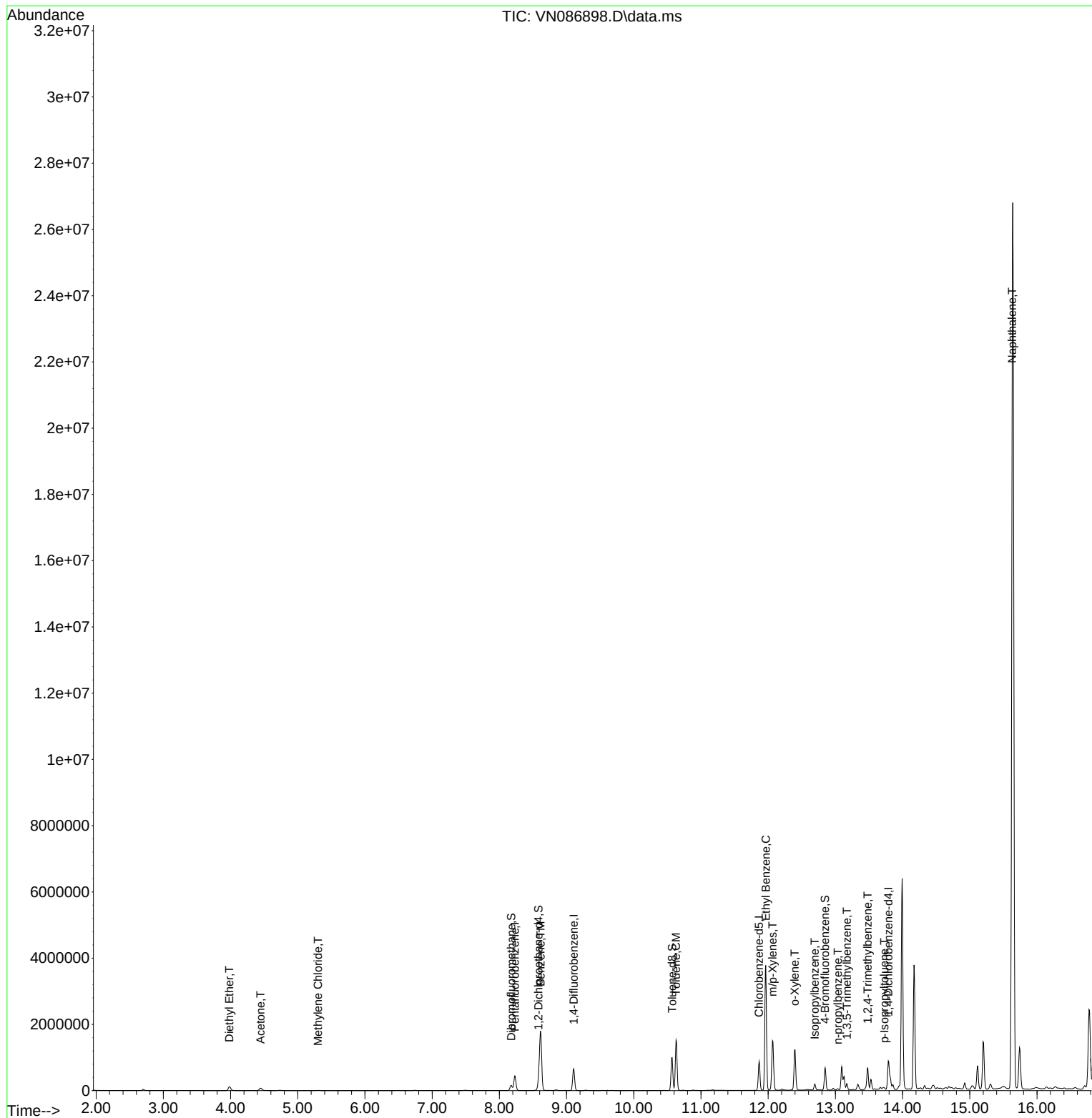
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086898.D
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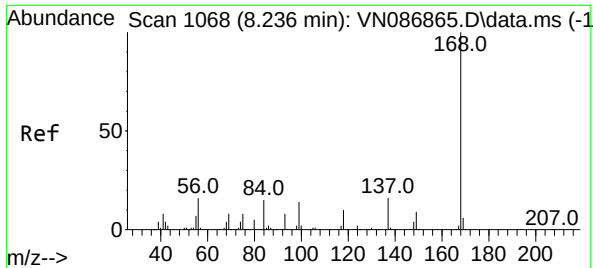
Instrument :
MSVOA_N
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WC-A2-04-GRE

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Quant Title : SW846 8260
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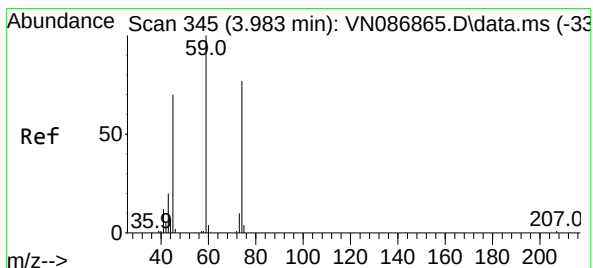
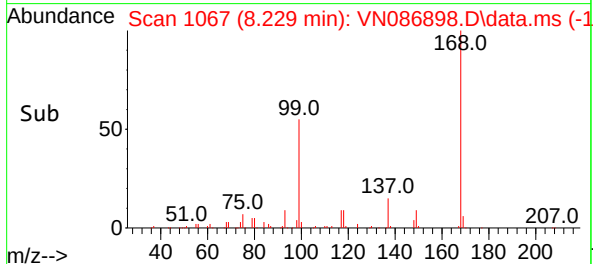
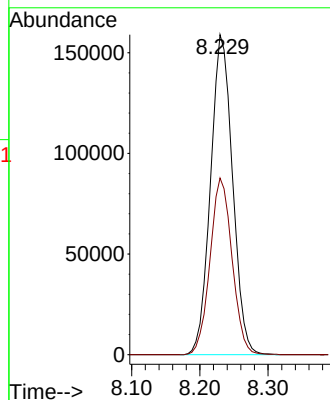
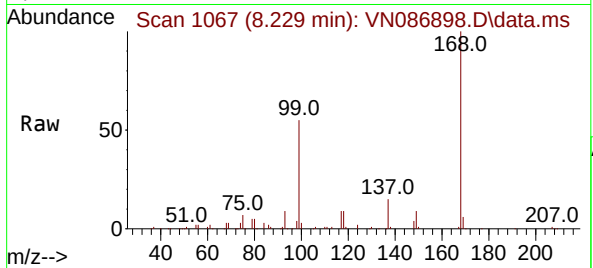
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Tgt Ion:168 Resp: 357410
Ion Ratio Lower Upper
168 100
99 55.2 49.1 73.7

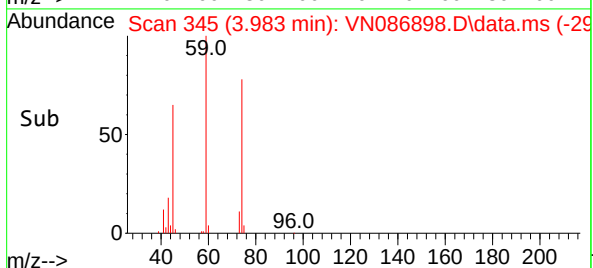
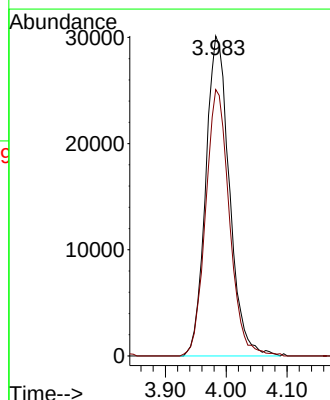
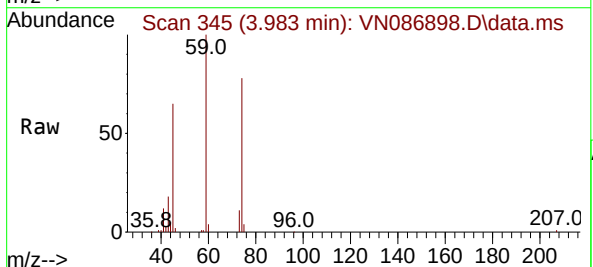
Manual Integrations
APPROVED

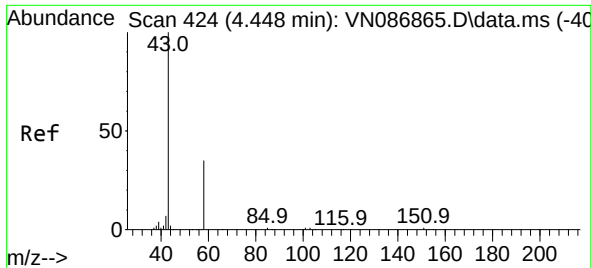
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#8
Diethyl Ether
Concen: 30.196 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

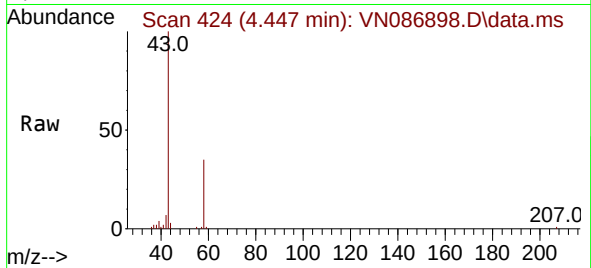
Tgt Ion: 74 Resp: 81599
Ion Ratio Lower Upper
74 100
45 83.7 45.5 136.5





#16
Acetone
Concen: 58.032 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

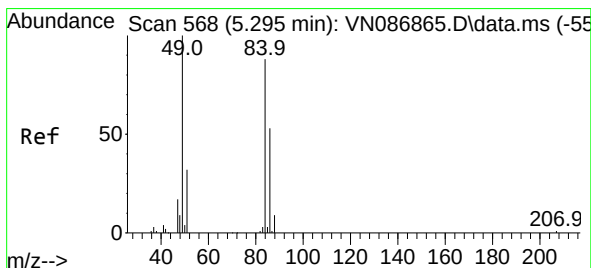
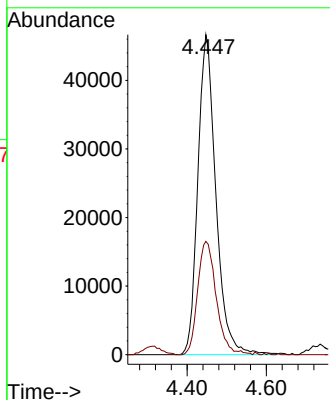
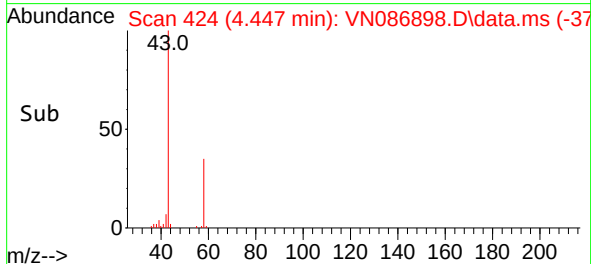
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE



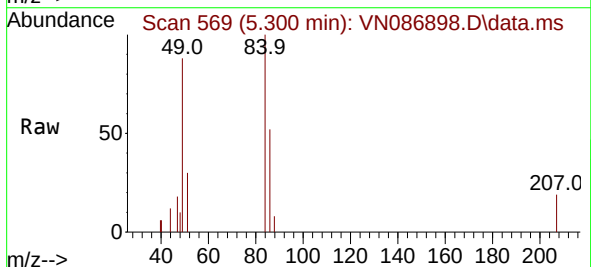
Tgt Ion: 43 Resp: 147270
Ion Ratio Lower Upper
43 100
58 35.4 28.0 42.0

Manual Integrations
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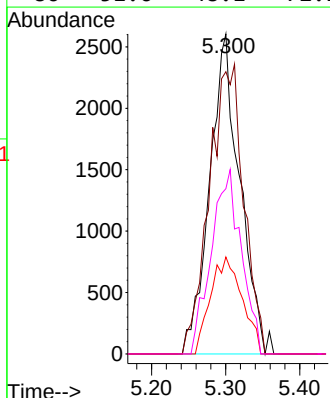
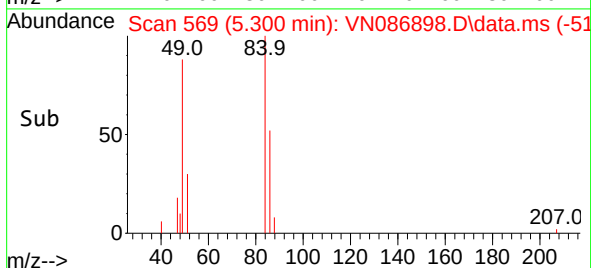
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

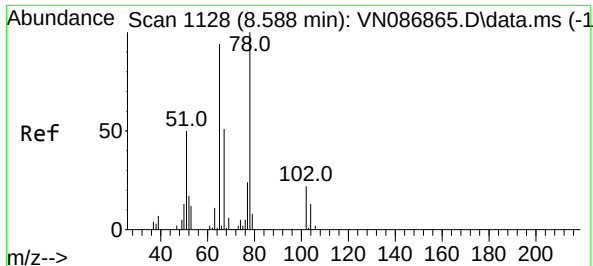


#20
Methylene Chloride
Concen: 1.555 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38



Tgt Ion: 84 Resp: 7387
Ion Ratio Lower Upper
84 100
49 88.2 90.5 135.7#
51 30.3 28.5 42.7
86 51.6 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 43.155 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086898.D

Acq: 09 Jun 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-04-GRE

Tgt Ion: 65 Resp: 206514

Ion Ratio Lower Upper

65 100

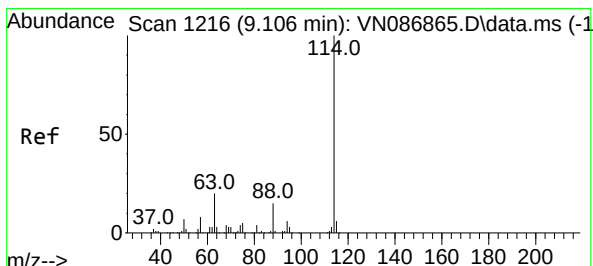
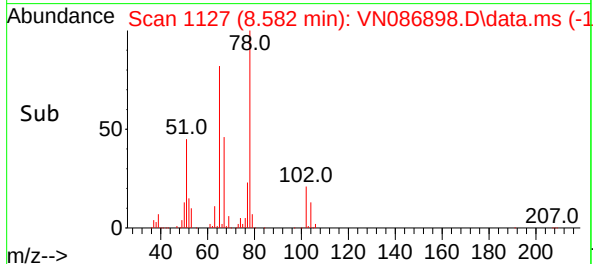
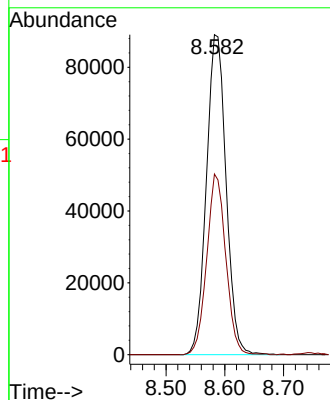
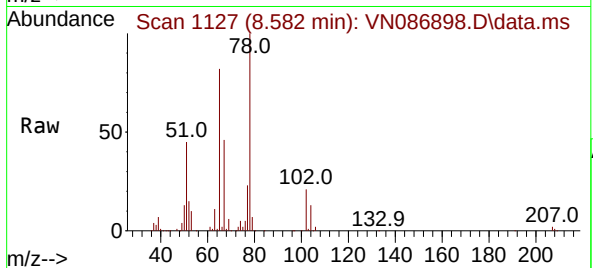
67 54.7 0.0 105.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086898.D

Acq: 09 Jun 2025 12:38

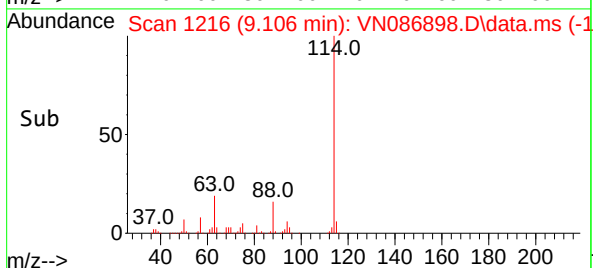
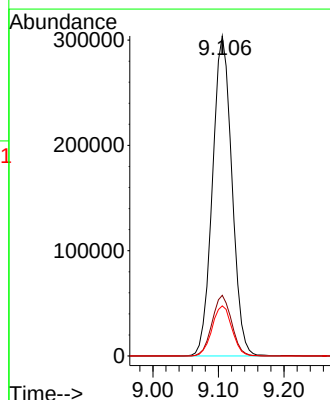
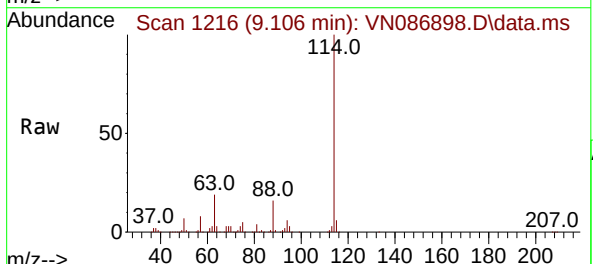
Tgt Ion:114 Resp: 624769

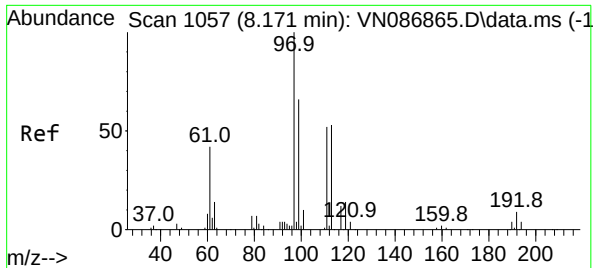
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

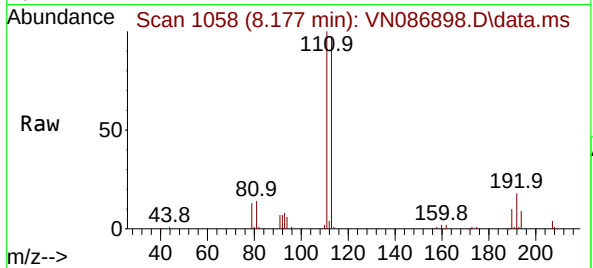
88 15.7 0.0 30.2





#35
Dibromofluoromethane
Concen: 32.586 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

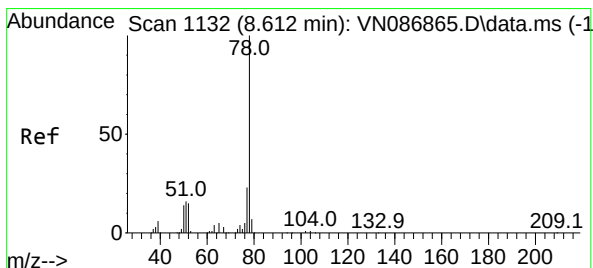
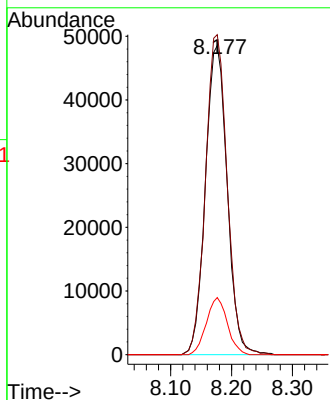
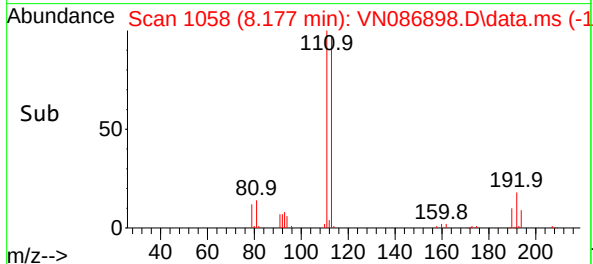
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MSVOA_N
ClientSampleId :
WC-A2-04-GRE



Tgt Ion: 113 Resp: 12065
Ion Ratio Lower Upper
113 100
111 103.0 84.2 126.2
192 17.8 14.2 21.4

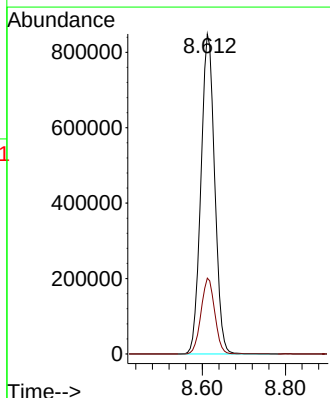
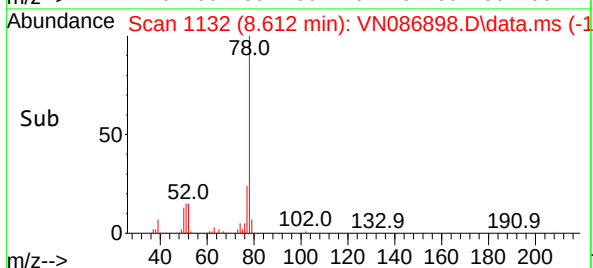
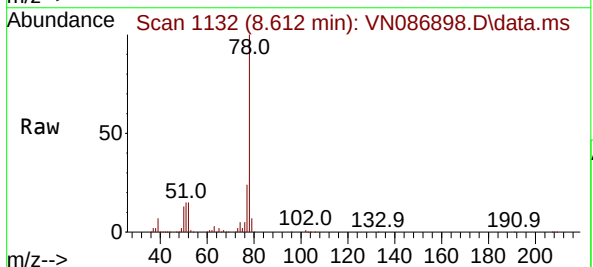
Manual Integrations
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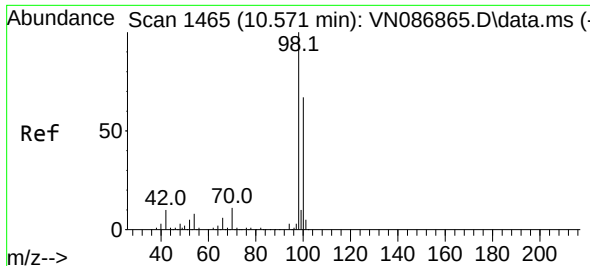
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#40
Benzene
Concen: 108.077 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

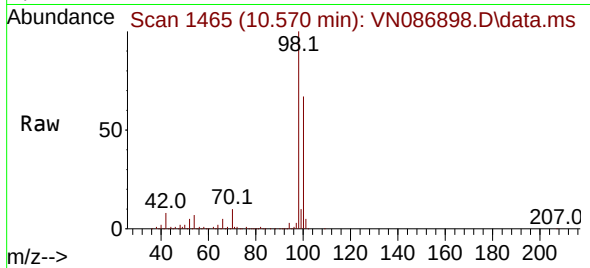
Tgt Ion: 78 Resp: 1949840
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1





#50
Toluene-d8
Concen: 51.337 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

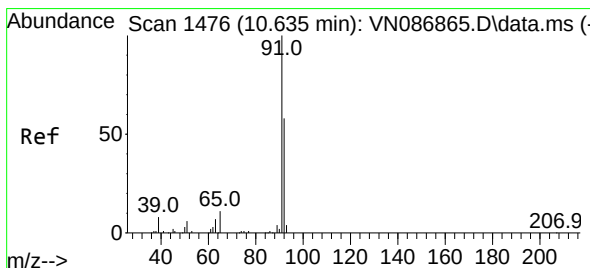
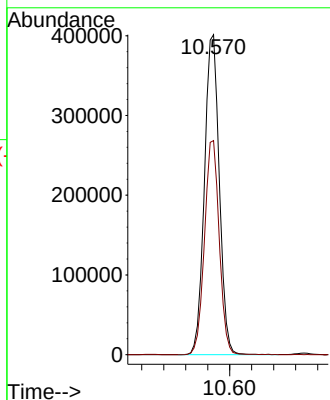
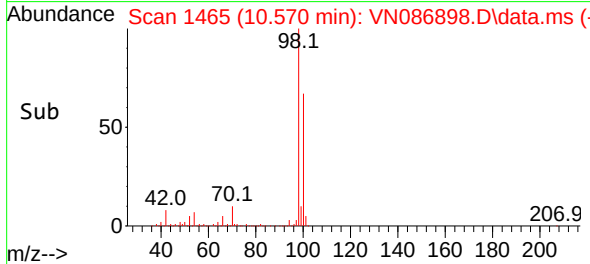
Instrument :
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WC-A2-04-GRE



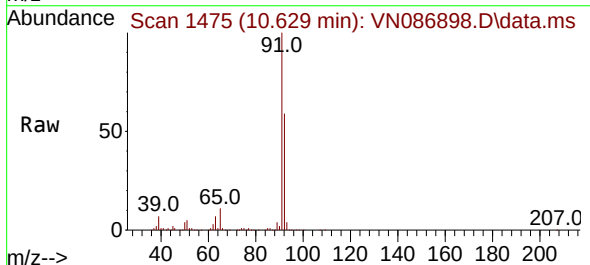
Tgt Ion: 98 Resp: 752459
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

Manual Integrations
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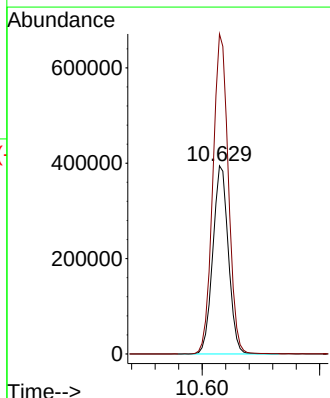
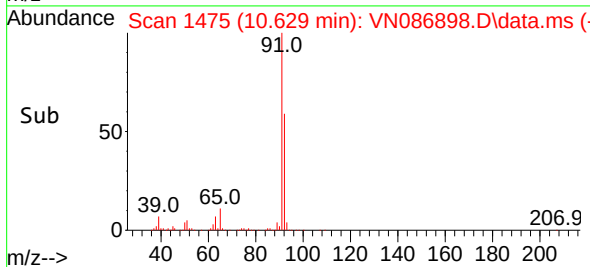
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

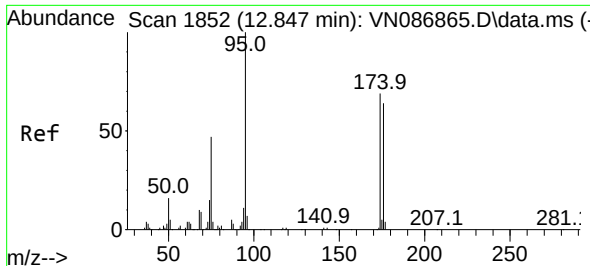


#52
Toluene
Concen: 65.589 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38



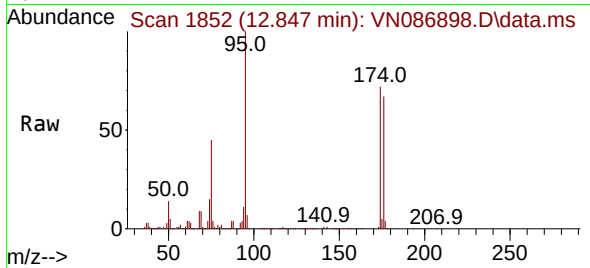
Tgt Ion: 92 Resp: 723153
Ion Ratio Lower Upper
92 100
91 170.2 136.5 204.7





#62
4-Bromofluorobenzene
Concen: 48.557 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

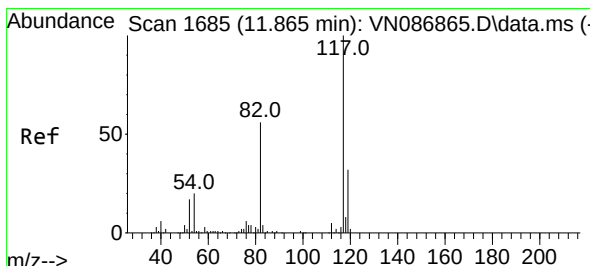
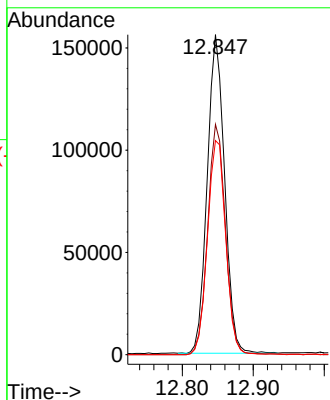
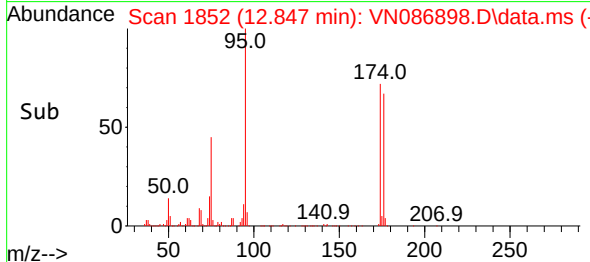
Instrument :
MSVOA_N
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WC-A2-04-GRE



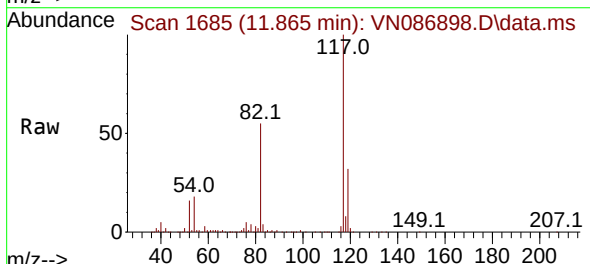
Tgt Ion: 95 Resp: 264424
Ion Ratio Lower Upper
95 100
174 74.2 0.0 141.8
176 70.5 0.0 132.6

Manual Integrations
APPROVED

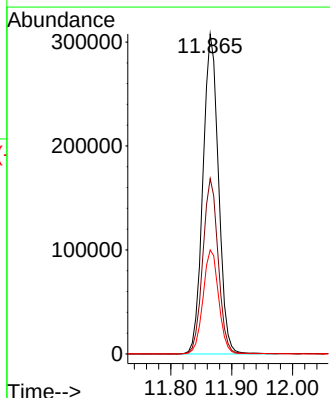
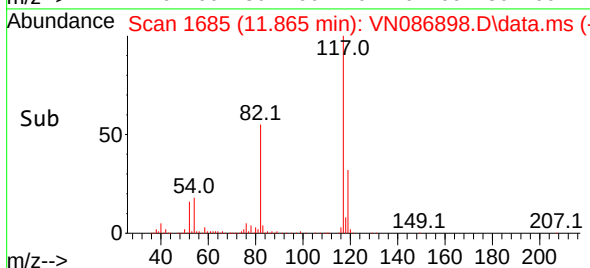
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

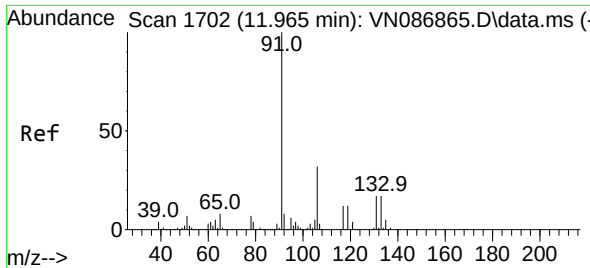


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38



Tgt Ion:117 Resp: 547693
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 32.5 25.5 38.3





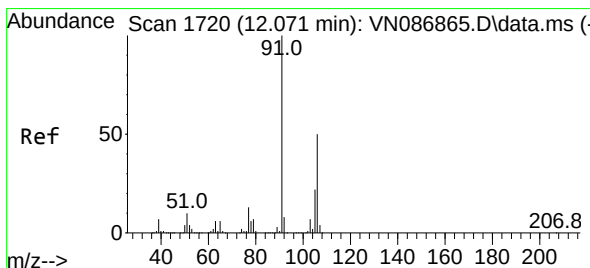
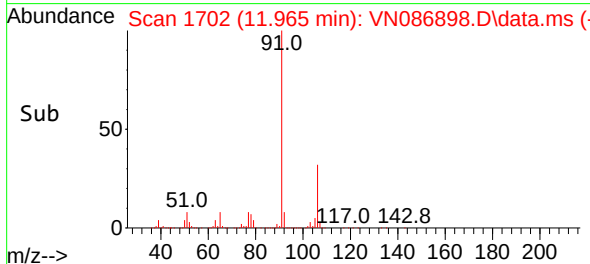
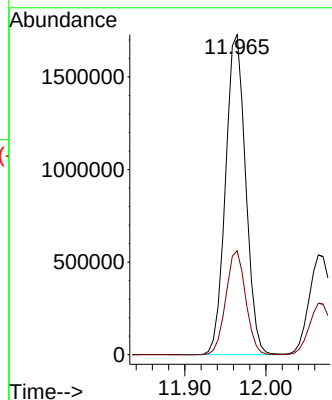
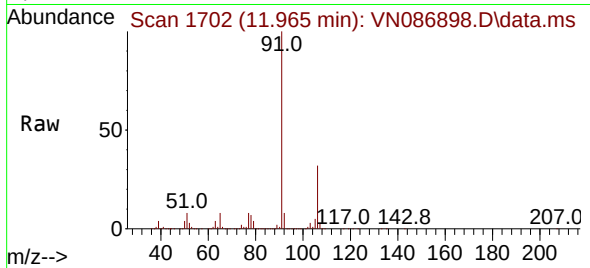
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Ethyl Benzene
Concen: 142.788 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Tgt Ion: 91 Resp: 297097
Ion Ratio Lower Upper
91 100
106 32.5 25.4 38.2

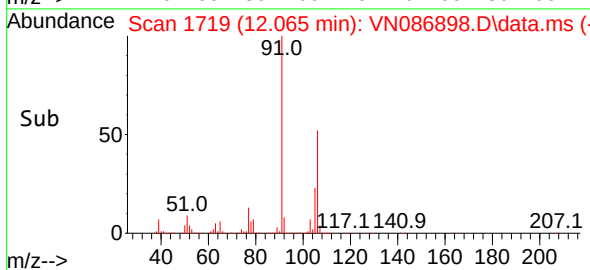
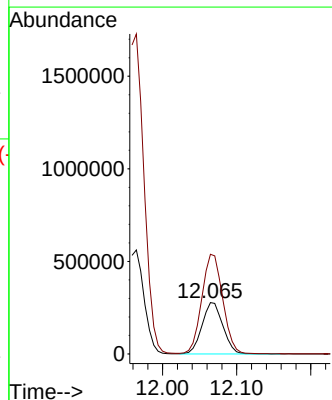
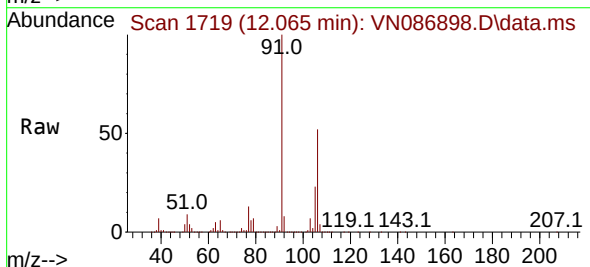
Manual Integrations
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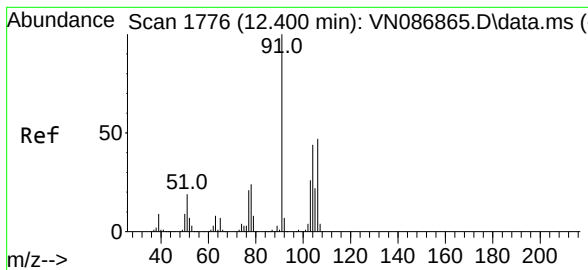
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#68
m/p-Xylenes
Concen: 67.760 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:106 Resp: 539700
Ion Ratio Lower Upper
106 100
91 195.9 159.4 239.0





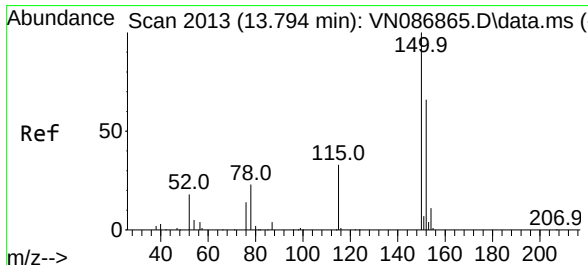
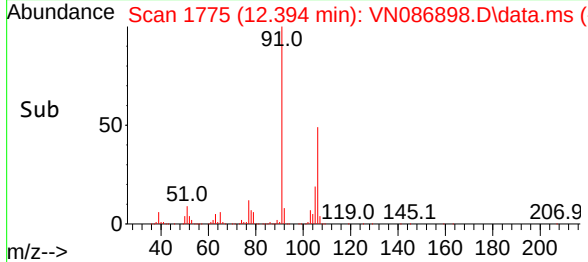
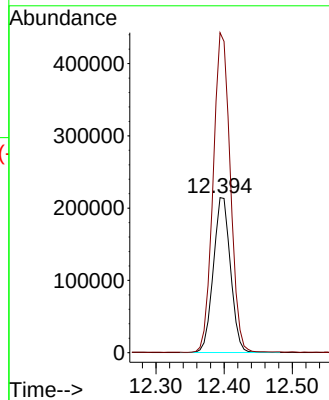
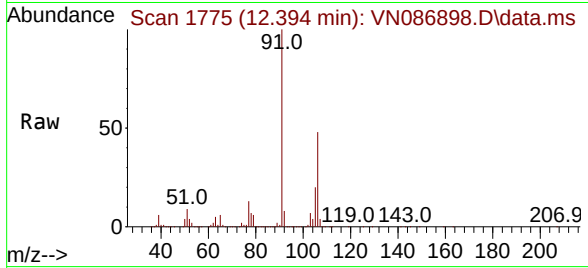
#69
o-Xylene
Concen: 49.207 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Tgt Ion:106 Resp: 375364
Ion Ratio Lower Upper
106 100
91 207.1 106.1 318.1

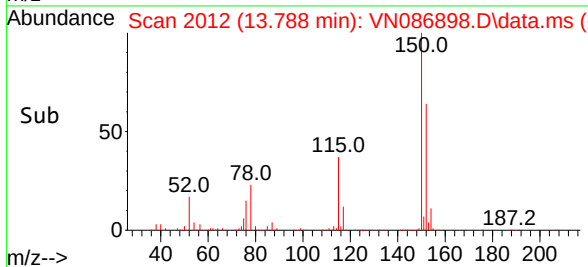
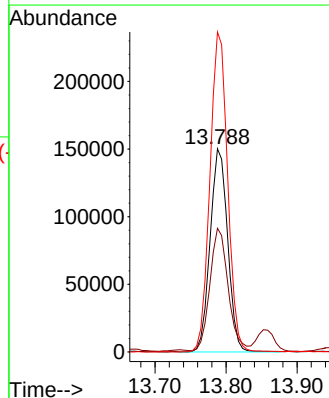
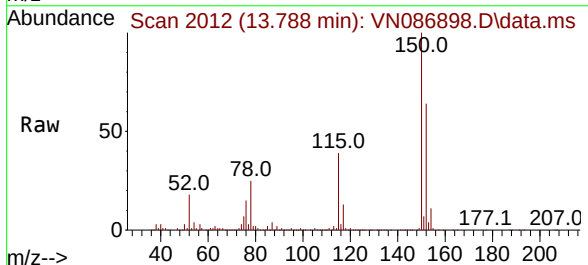
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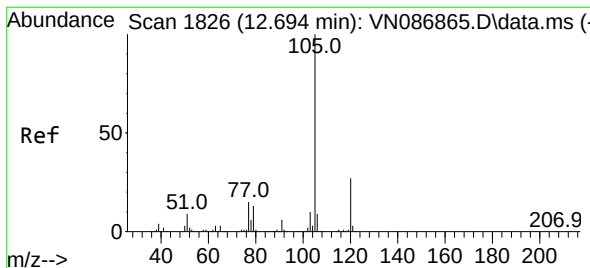
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:152 Resp: 258175
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.5
150 158.5 0.0 345.0





#73

Isopropylbenzene

Concen: 6.874 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086898.D

Acq: 09 Jun 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-04-GRE

Tgt Ion:105 Resp: 12928

Ion Ratio Lower Upper

105 100

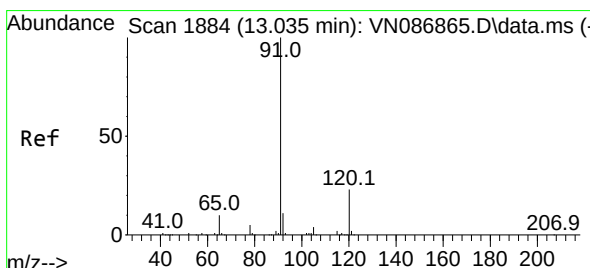
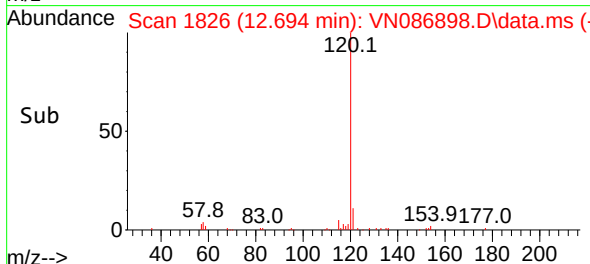
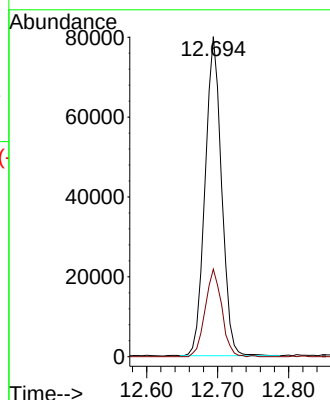
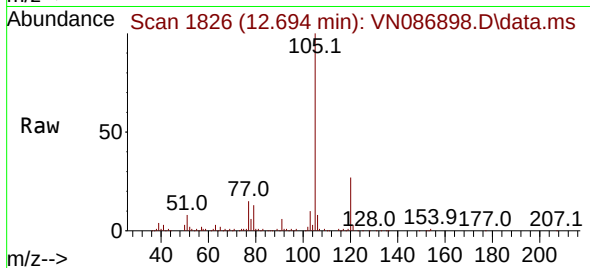
120 27.6 13.5 40.4

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Reviewed By :John Carlone 06/10/2025

Supervised By :Mahesh Dadoda 06/10/2025



#78

n-propylbenzene

Concen: 1.262 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086898.D

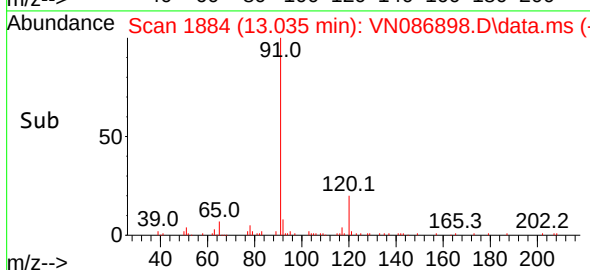
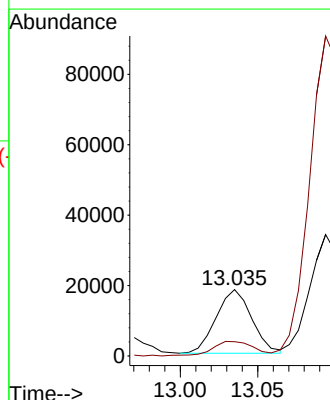
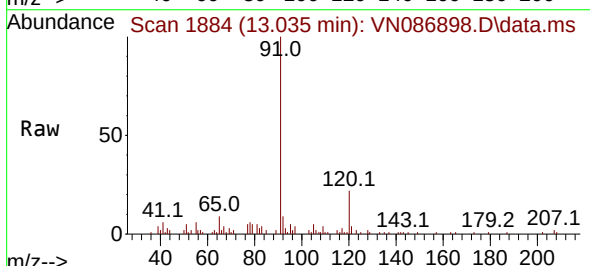
Acq: 09 Jun 2025 12:38

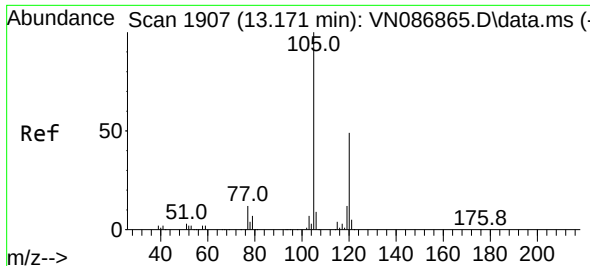
Tgt Ion: 91 Resp: 28851

Ion Ratio Lower Upper

91 100

120 26.9 11.4 34.2





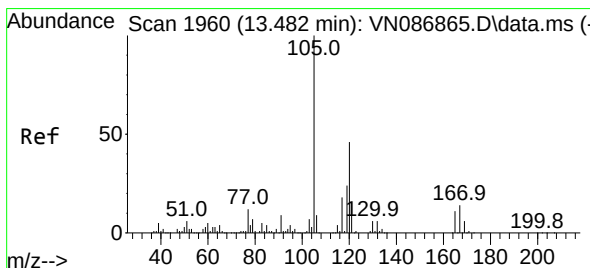
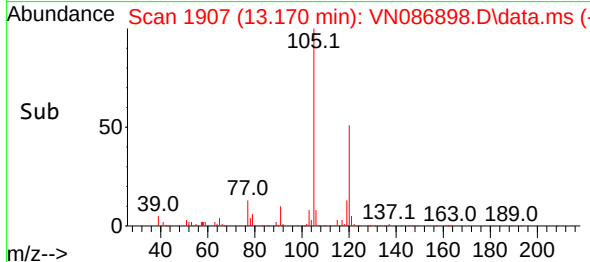
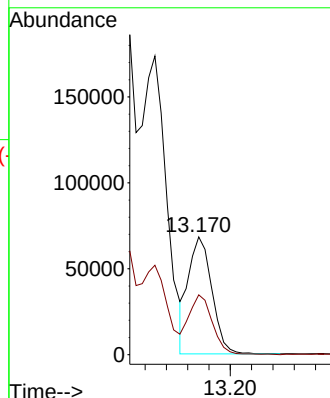
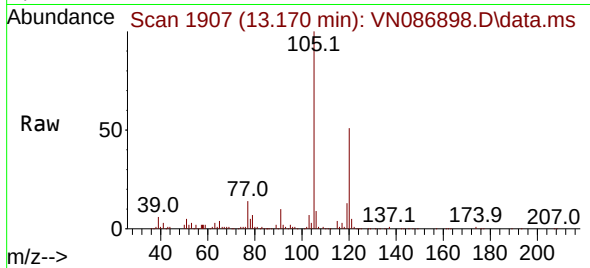
#80
1,3,5-Trimethylbenzene
Concen: 6.720 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Tgt Ion:105 Resp: 104344
Ion Ratio Lower Upper
105 100
120 51.8 24.9 74.6

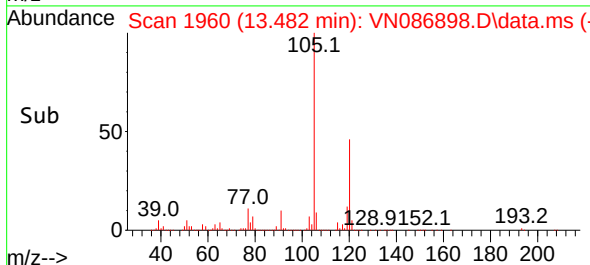
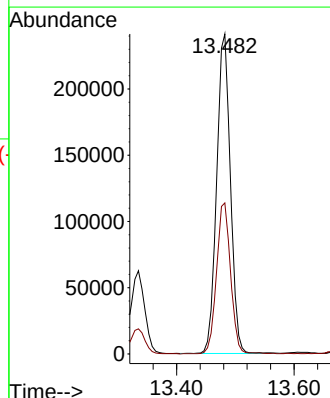
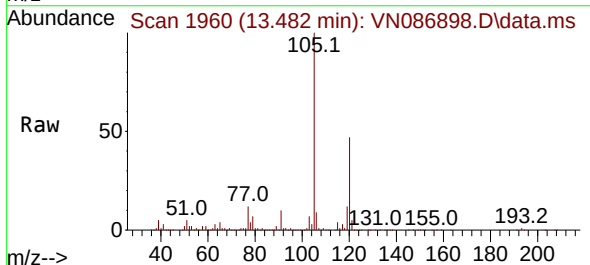
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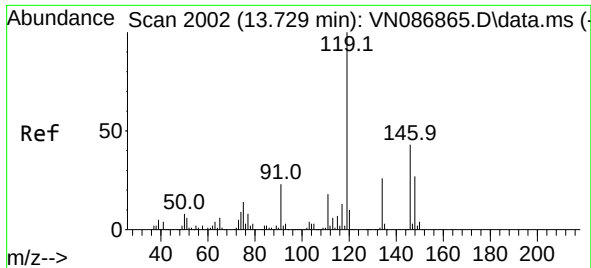
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#84
1,2,4-Trimethylbenzene
Concen: 25.148 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

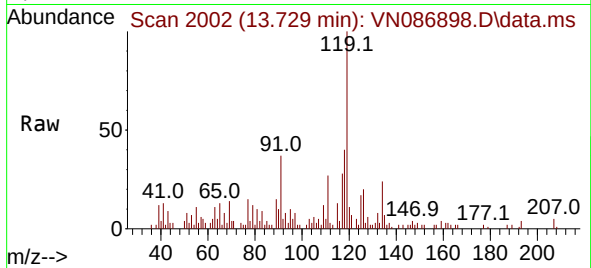
Tgt Ion:105 Resp: 391582
Ion Ratio Lower Upper
105 100
120 48.1 23.2 69.6





#86
p-Isopropyltoluene
Concen: 1.046 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

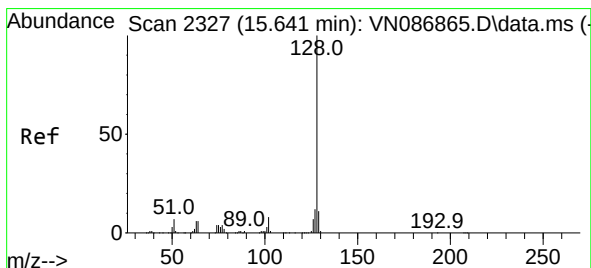
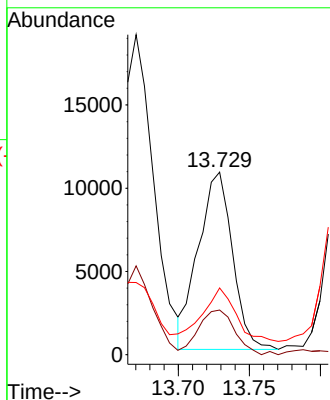
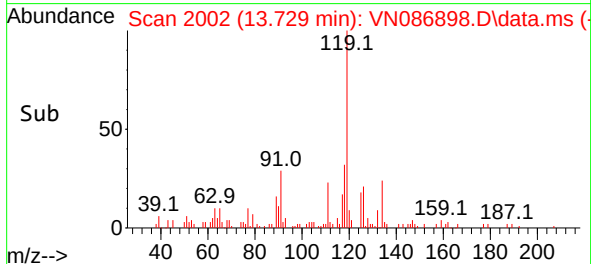
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE



Tgt Ion:119 Resp: 17849
Ion Ratio Lower Upper
119 100
134 26.9 13.5 40.4
91 0.0 11.5 34.4

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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#95
Naphthalene
Concen: 1160.940 ug/l m
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:128 Resp:22498070
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

