

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031871.D
 Acq On : 16 Jul 2025 12:29
 Operator : SY/MD
 Sample : Q2609-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 710-C

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 04:02:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	183784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	383894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	351493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134501	50.996	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 102.000%			
35) Dibromofluoromethane	7.904	113	114327	45.638	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 91.280%			
50) Toluene-d8	10.331	98	423272	45.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.800%			
62) 4-Bromofluorobenzene	12.617	95	155073	45.202	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 90.400%			
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	7288	11.179	ug/l #	87
39) Methylcyclohexane	9.343	83	12888	2.858	ug/l	94
40) Benzene	8.337	78	2334630	217.685	ug/l	100
52) Toluene	10.392	92	2573853	374.831	ug/l	97
67) Ethyl Benzene	11.733	91	784284	58.321	ug/l	98
68) m/p-Xylenes	11.837	106	2998354	580.007	ug/l	99
69) o-Xylene	12.166	106	2180978	455.660	ug/l	100
70) Styrene	12.184	104	1598546	193.187	ug/l #	85
73) Isopropylbenzene	12.465	105	63201	5.479	ug/l	99
78) n-propylbenzene	12.800	91	205120	14.848	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	2055868	215.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	4849698	501.252	ug/l	99
89) n-Butylbenzene	13.818	91	39356m	4.003	ug/l	
95) Naphthalene	15.348	128	28800141m	4038.934	ug/l	

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

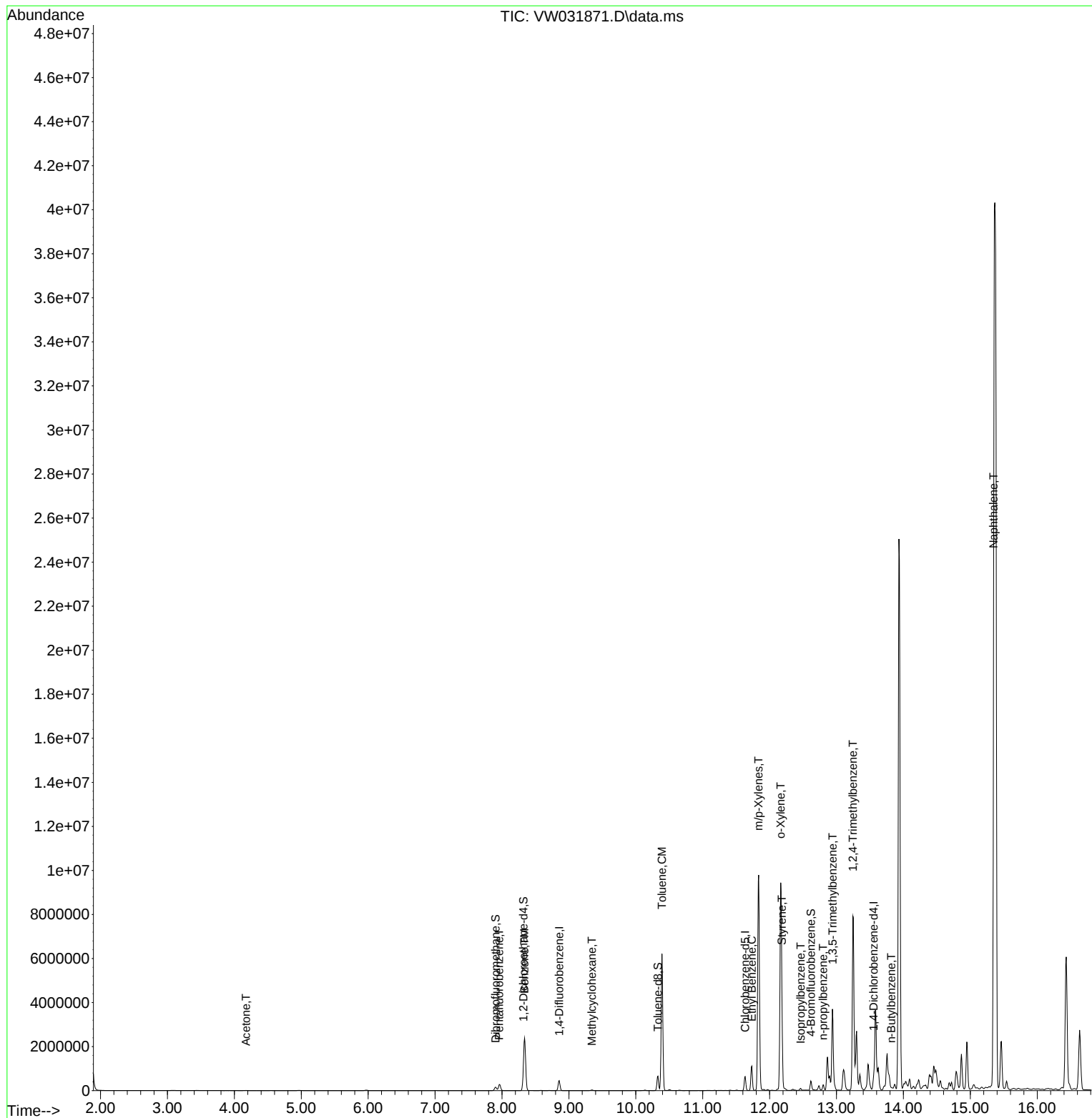
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
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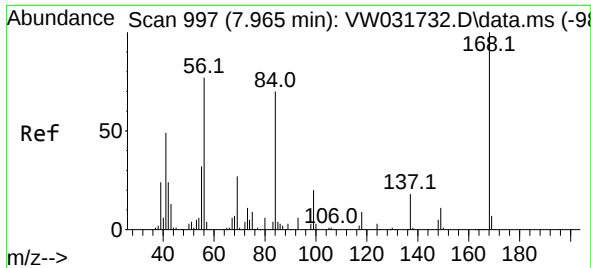
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QLast Update : Tue Jul 01 03:35:17 2025
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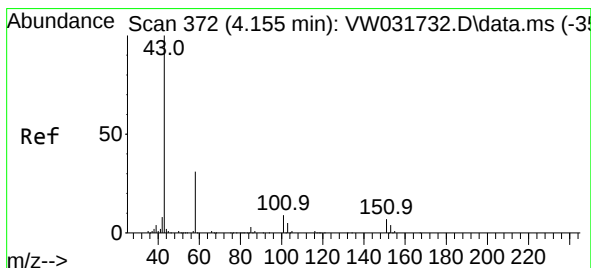
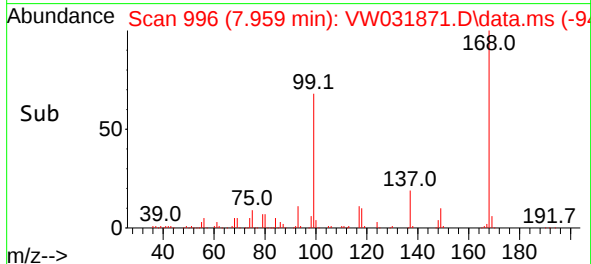
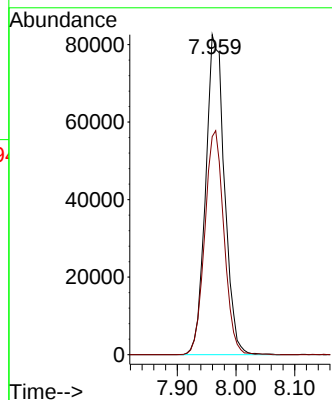
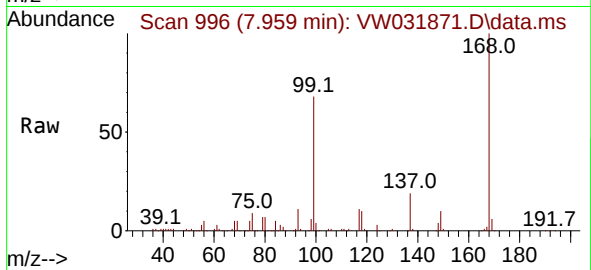
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

Instrument :
MSVOA_W
ClientSampleId :
710-C

Tgt Ion:168 Resp: 183784
Ion Ratio Lower Upper
168 100
99 68.1 49.4 74.2

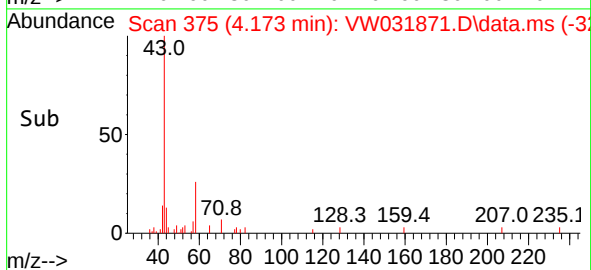
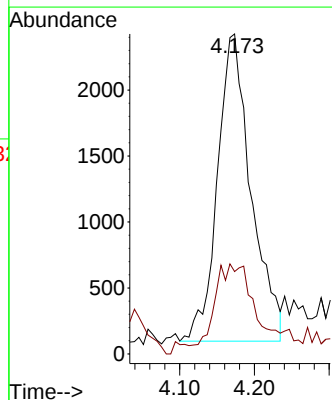
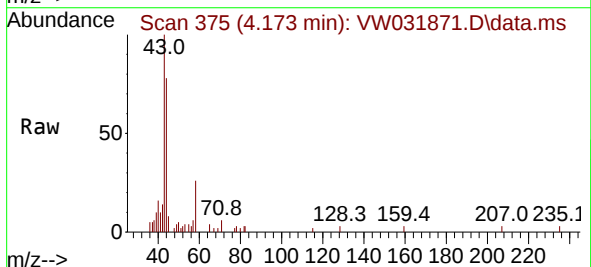
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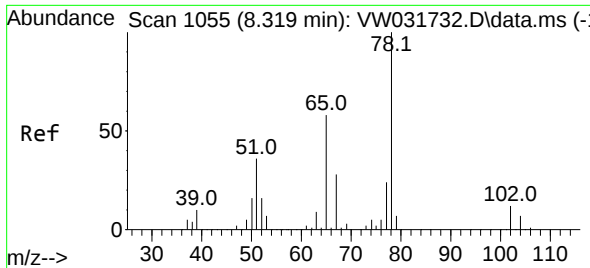
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#16
Acetone
Concen: 11.179 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 23.8 24.8 37.2#





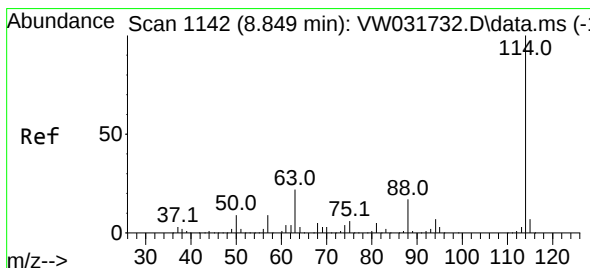
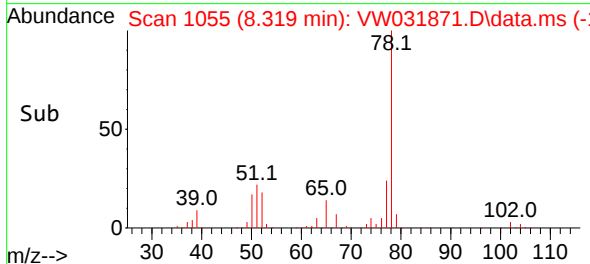
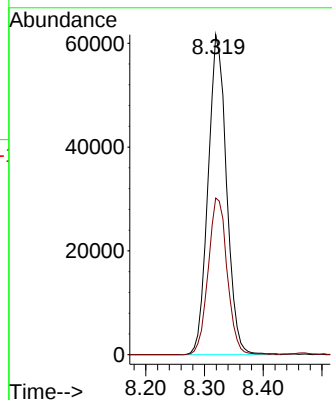
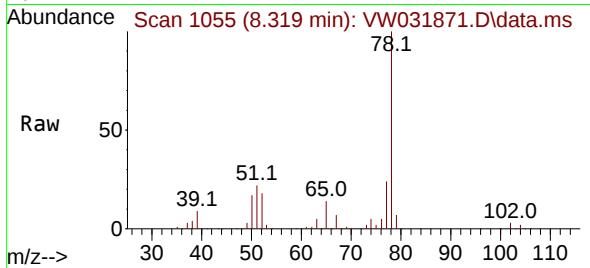
#33
1,2-Dichloroethane-d4
Concen: 50.996 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

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MSVOA_W
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Tgt Ion: 65 Resp: 13450
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.4

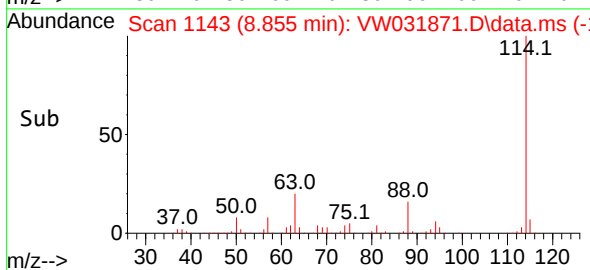
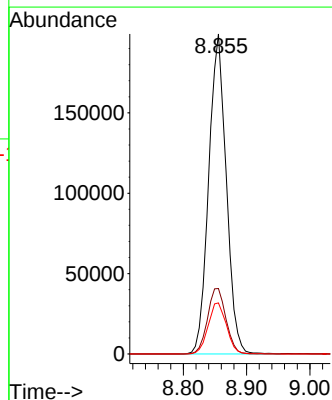
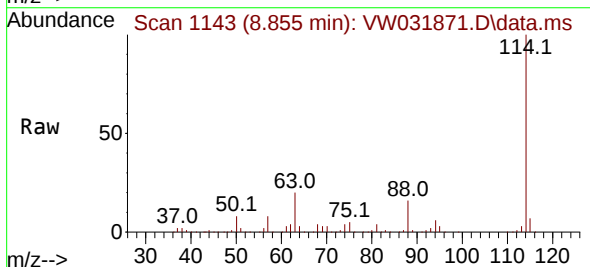
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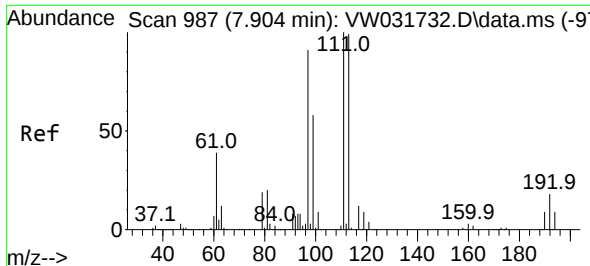
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

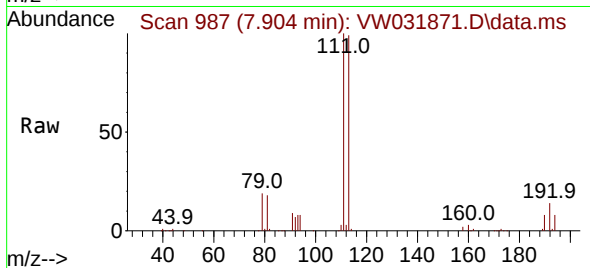
Tgt Ion:114 Resp: 383894
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.6
88 15.9 0.0 34.2





#35
Dibromofluoromethane
Concen: 45.638 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

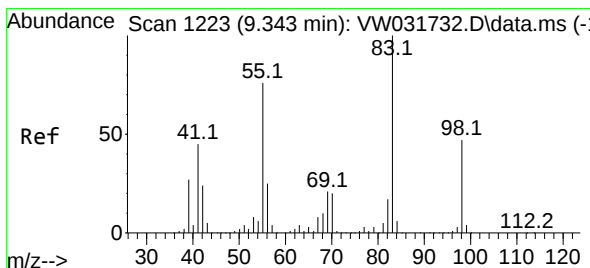
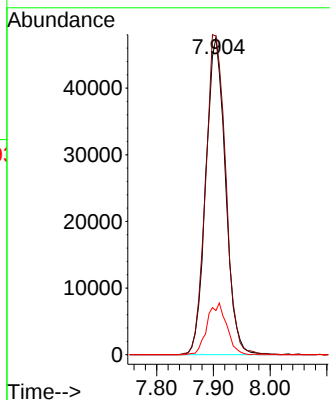
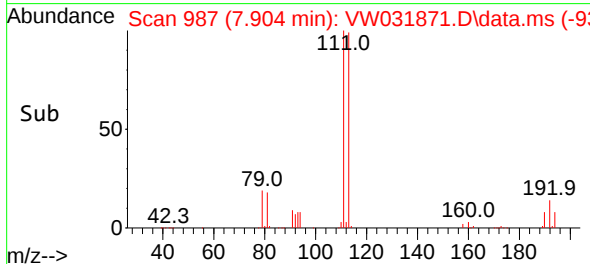
Instrument :
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ClientSampleId :
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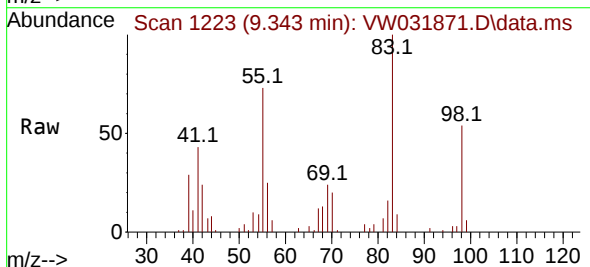
Tgt Ion: 113 Resp: 11432
Ion Ratio Lower Upper
113 100
111 103.6 82.1 123.1
192 16.3 13.8 20.6

Manual Integrations
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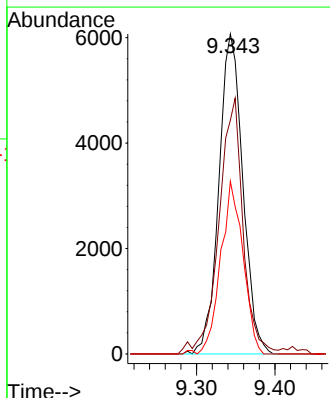
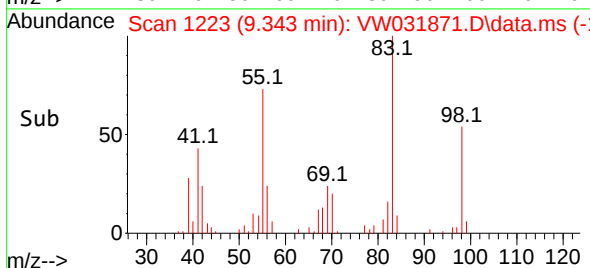
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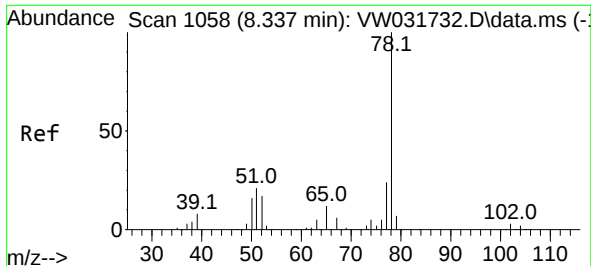


#39
Methylcyclohexane
Concen: 2.858 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29



Tgt Ion: 83 Resp: 12888
Ion Ratio Lower Upper
83 100
55 73.0 61.0 91.4
98 53.9 37.9 56.9





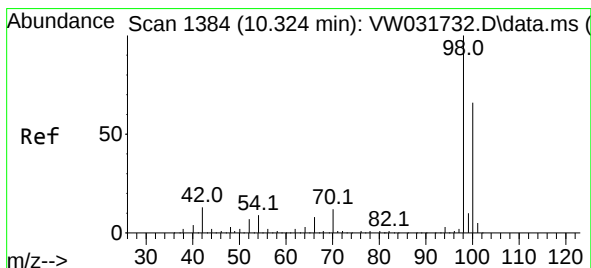
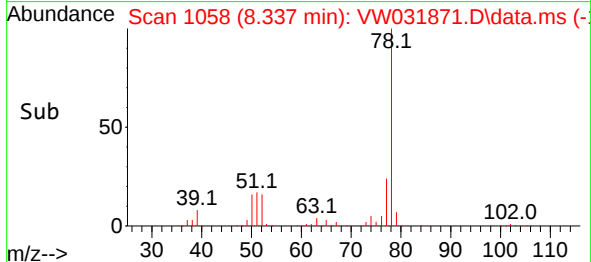
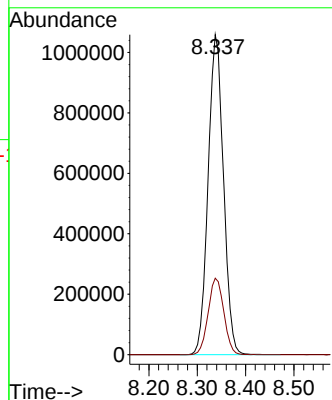
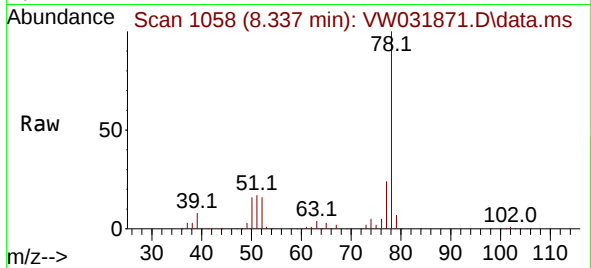
#40
Benzene
Concen: 217.685 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

Instrument :
MSVOA_W
ClientSampleId :
710-C

Tgt Ion: 78 Resp: 2334630
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8

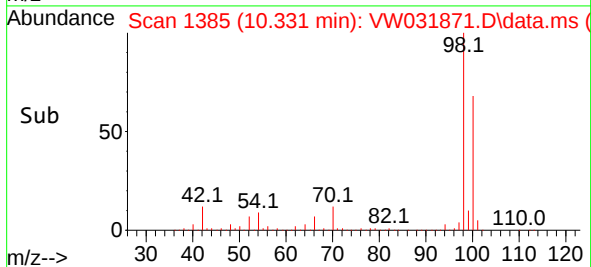
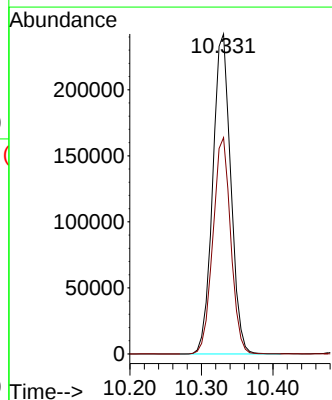
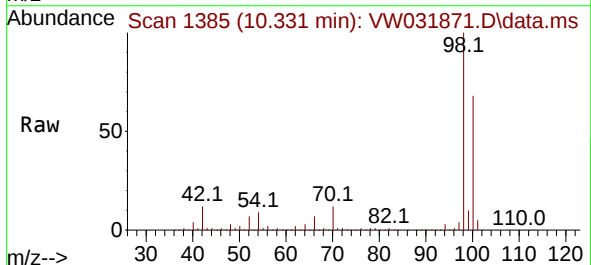
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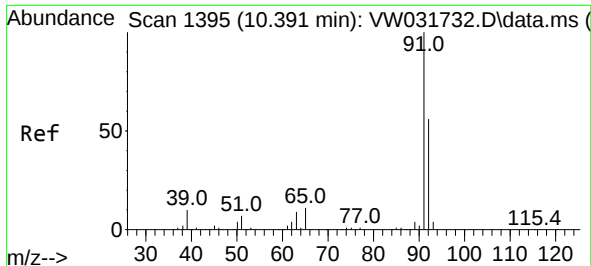
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#50
Toluene-d8
Concen: 45.404 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

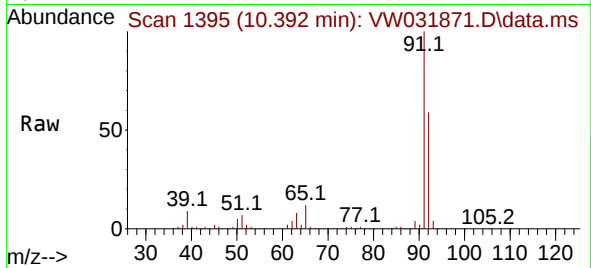
Tgt Ion: 98 Resp: 423272
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4





#52
Toluene
Concen: 374.831 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

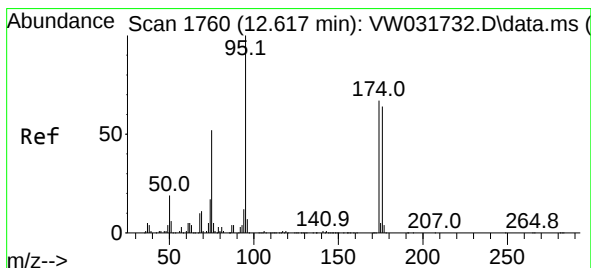
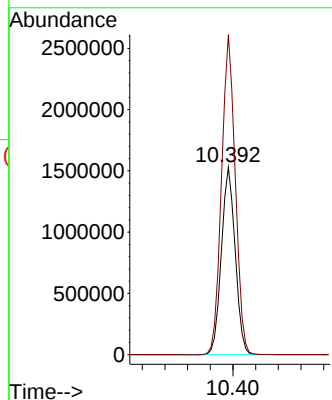
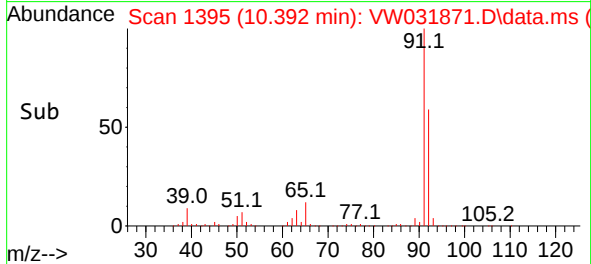
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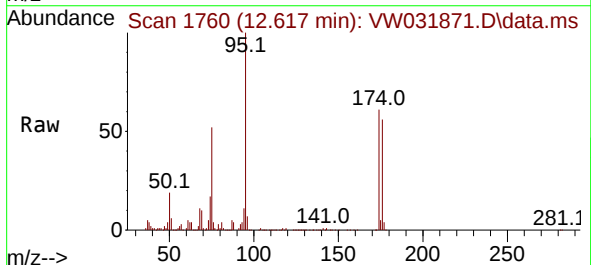
Tgt Ion: 92 Resp: 257385
Ion Ratio Lower Upper
92 100
91 170.6 139.5 209.3

Manual Integrations
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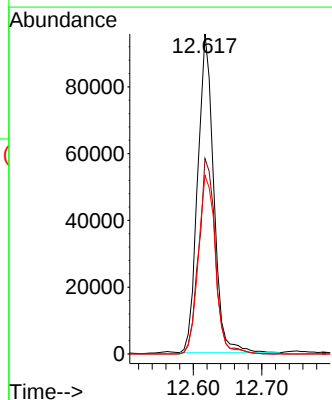
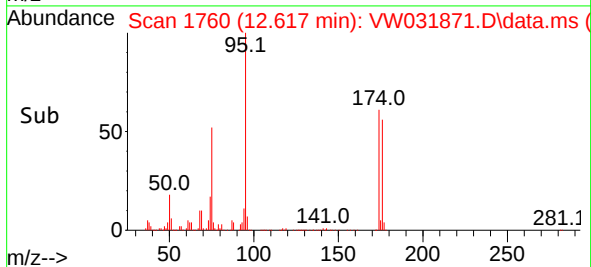
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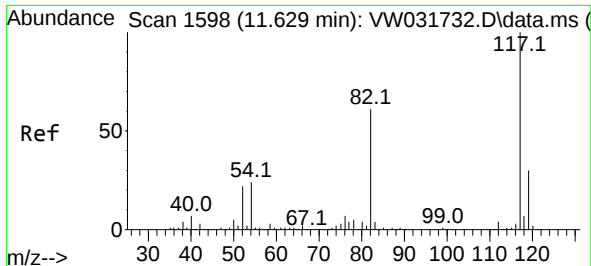


#62
4-Bromofluorobenzene
Concen: 45.202 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29



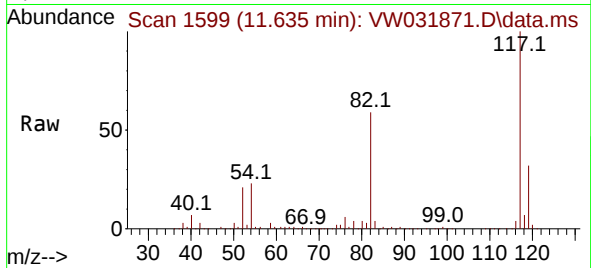
Tgt Ion: 95 Resp: 155073
Ion Ratio Lower Upper
95 100
174 63.7 0.0 133.8
176 60.3 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

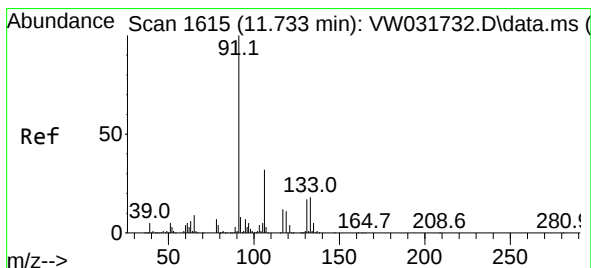
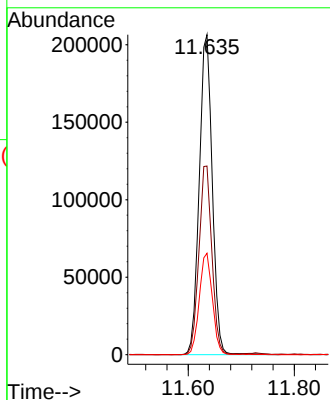
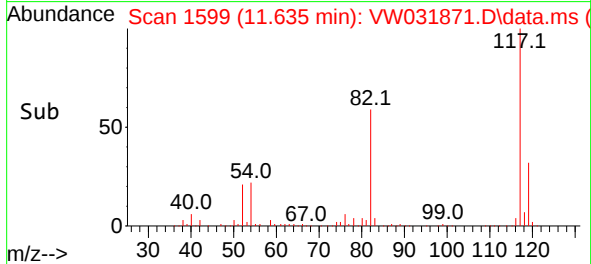
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710-C



Tgt Ion:117 Resp: 35149
Ion Ratio Lower Upper
117 100
82 58.9 48.6 72.8
119 31.7 23.9 35.9

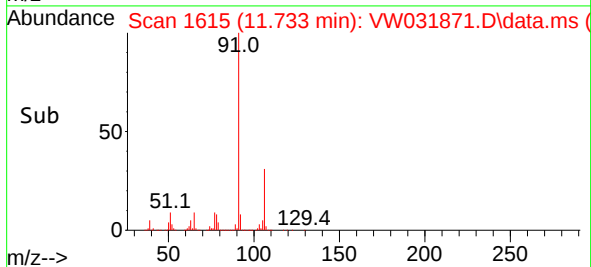
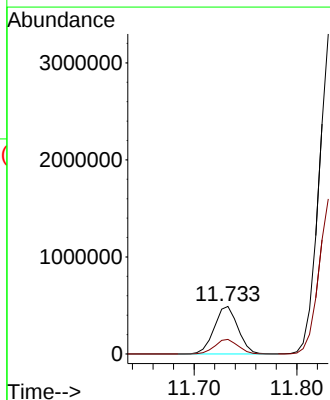
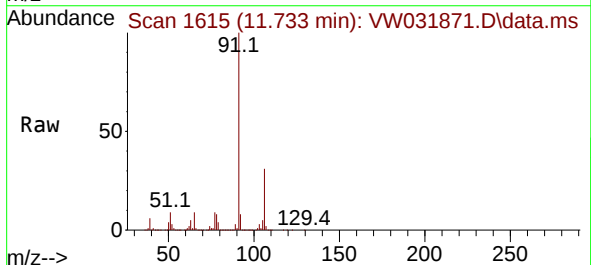
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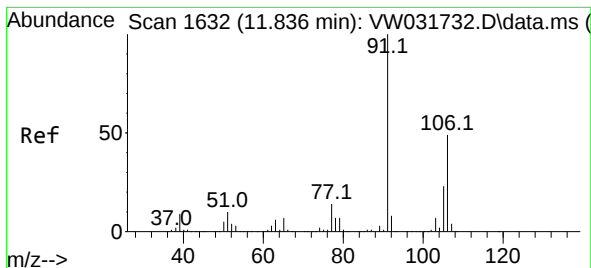
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#67
Ethyl Benzene
Concen: 58.321 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

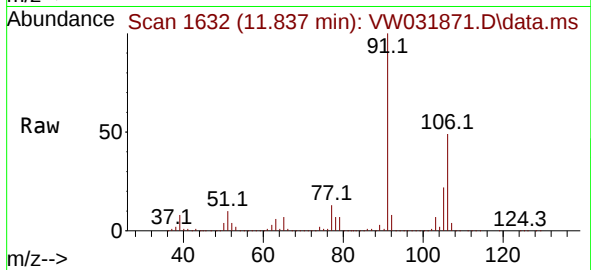
Tgt Ion: 91 Resp: 784284
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2





#68
m/p-Xylenes
Concen: 580.007 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

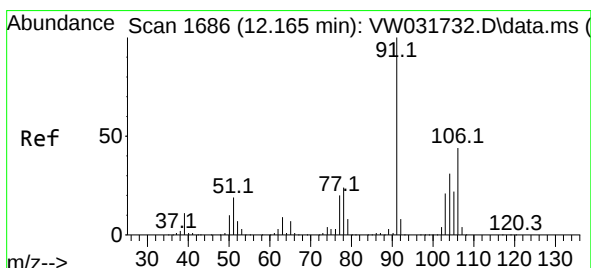
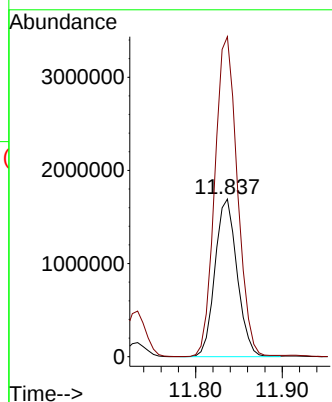
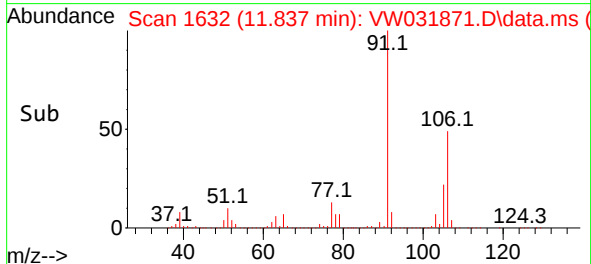
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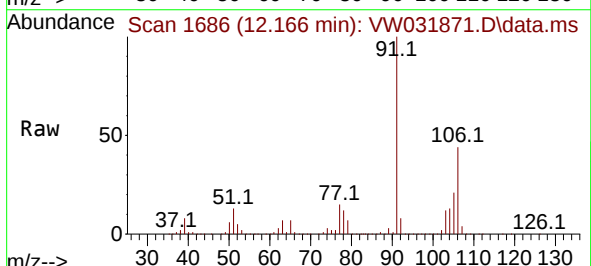
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Ion Ratio Lower Upper
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Manual Integrations
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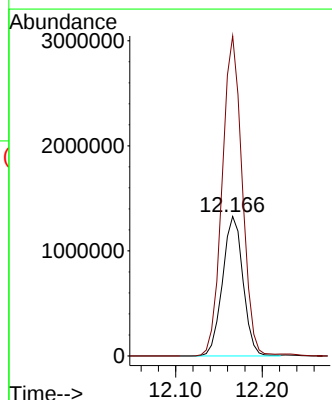
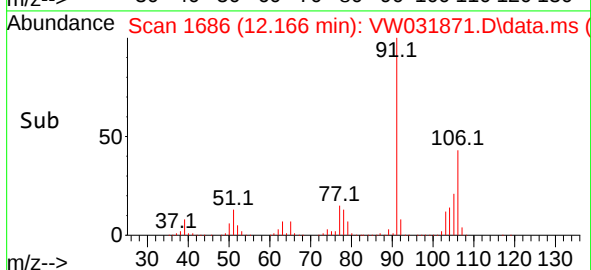
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

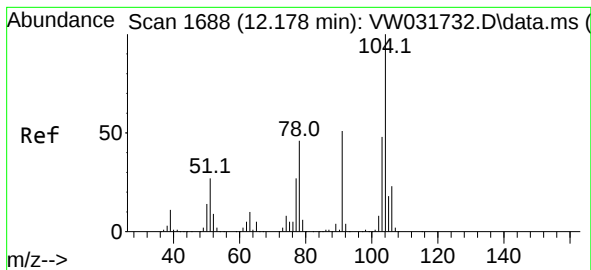


#69
o-Xylene
Concen: 455.660 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29



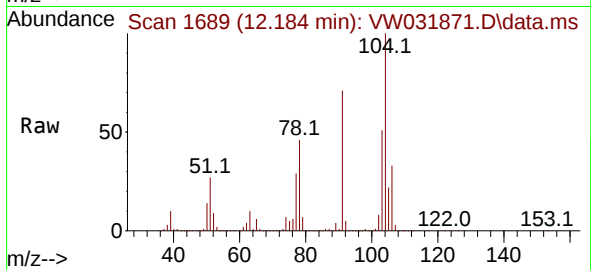
Tgt Ion:106 Resp: 2180978
Ion Ratio Lower Upper
106 100
91 223.6 111.5 334.4





#70
Styrene
Concen: 193.187 ug/l
RT: 12.184 min Scan# 104
Delta R.T. 0.006 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

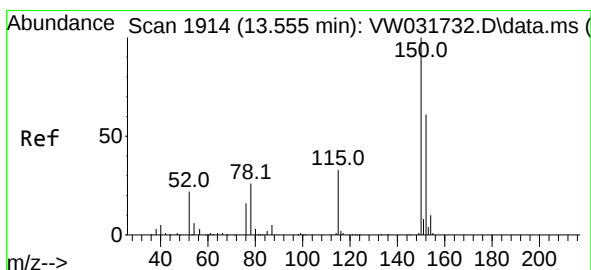
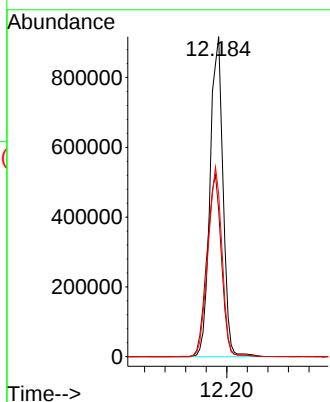
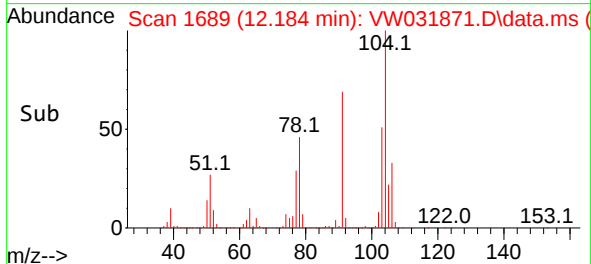
Instrument :
MSVOA_W
ClientSampleId :
710-C



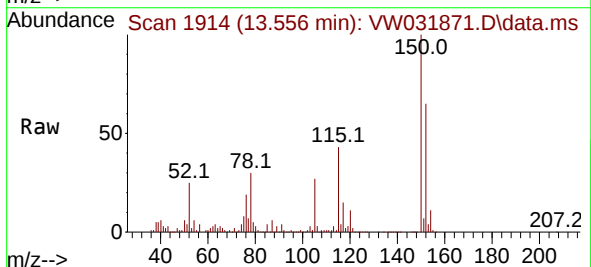
Tgt Ion:104 Resp: 1598540
Ion Ratio Lower Upper
104 100
78 63.8 42.1 63.1
103 64.6 43.0 64.6

Manual Integrations
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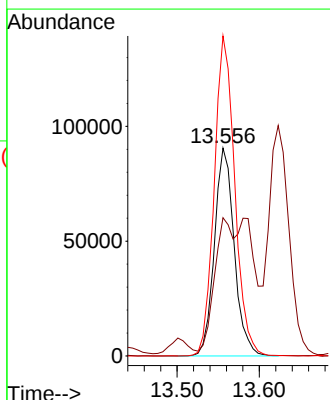
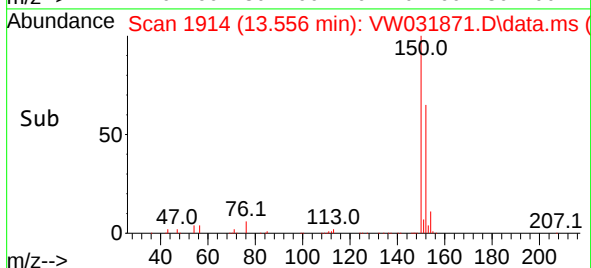
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

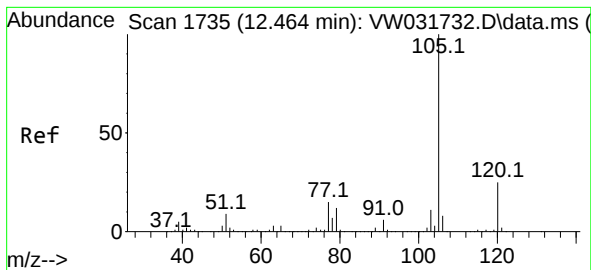


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29



Tgt Ion:152 Resp: 151660
Ion Ratio Lower Upper
152 100
115 59.9 31.9 95.7
150 159.7 0.0 356.4





#73

Isopropylbenzene

Concen: 5.479 ug/l

RT: 12.465 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VW031871.D

Acq: 16 Jul 2025 12:29

Instrument :

MSVOA_W

ClientSampleId :

710-C

Tgt Ion:105 Resp: 6320

Ion Ratio Lower Upper

105 100

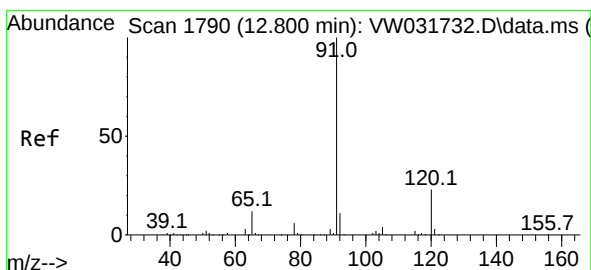
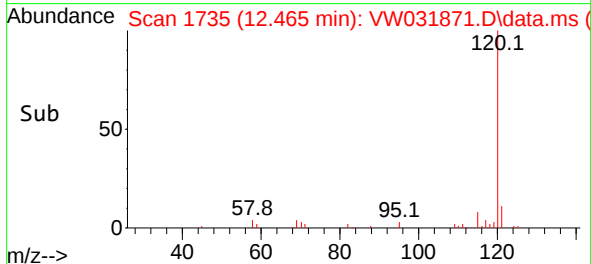
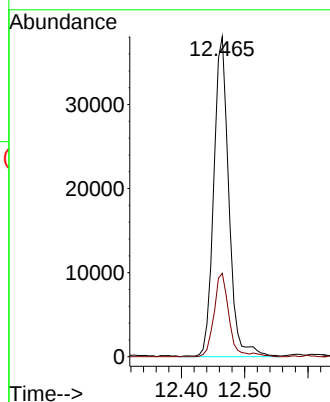
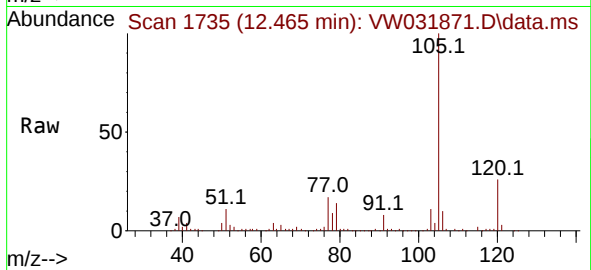
120 25.2 12.8 38.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#78

n-propylbenzene

Concen: 14.848 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031871.D

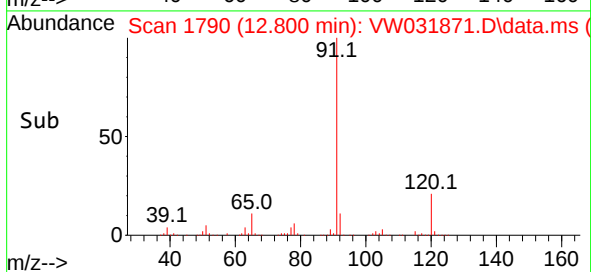
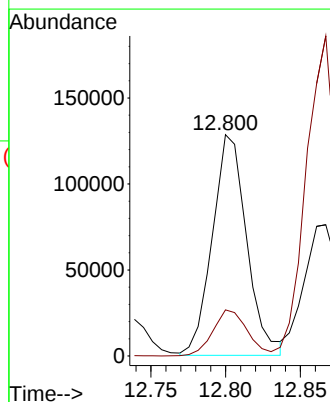
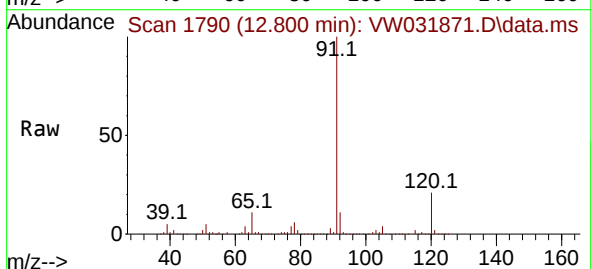
Acq: 16 Jul 2025 12:29

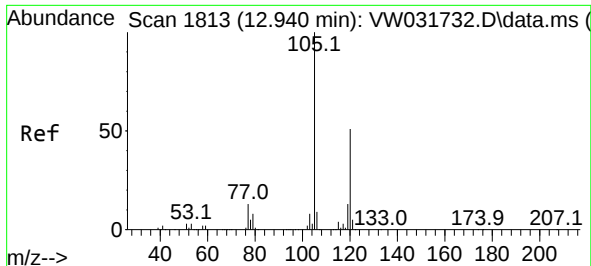
Tgt Ion: 91 Resp: 205120

Ion Ratio Lower Upper

91 100

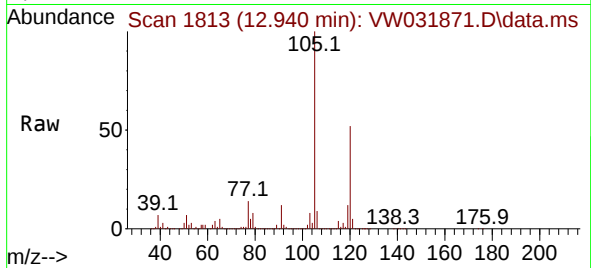
120 21.0 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 215.296 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

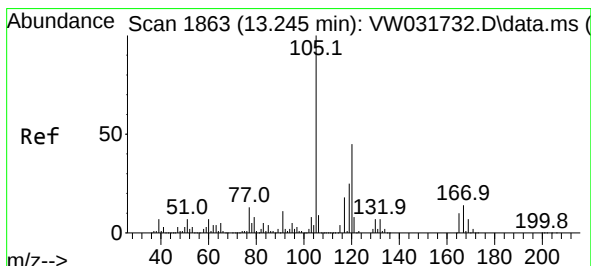
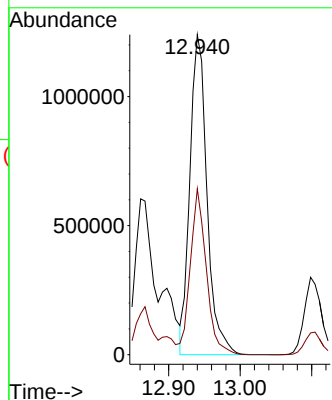
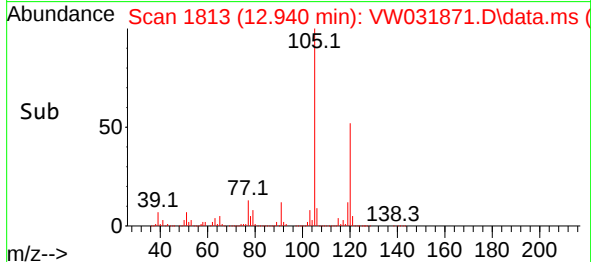
Instrument :
MSVOA_W
ClientSampleId :
710-C



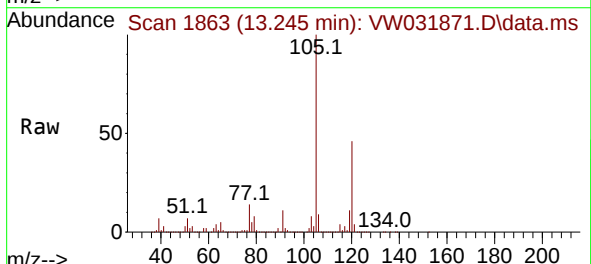
Tgt Ion:105 Resp: 205586
Ion Ratio Lower Upper
105 100
120 49.0 23.8 71.2

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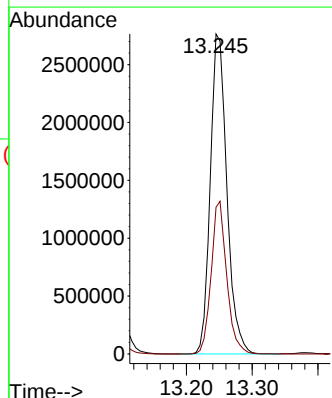
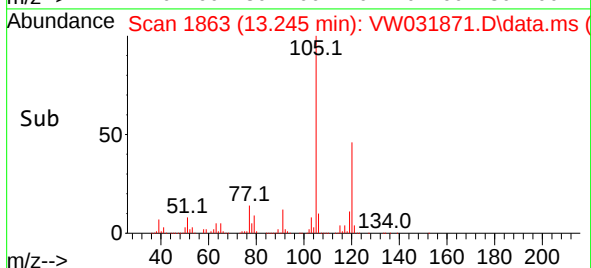
Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

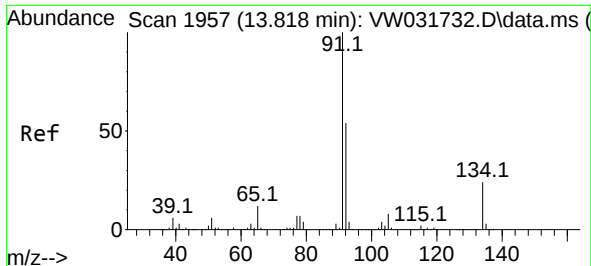


#84
1,2,4-Trimethylbenzene
Concen: 501.252 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29



Tgt Ion:105 Resp: 4849698
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.1





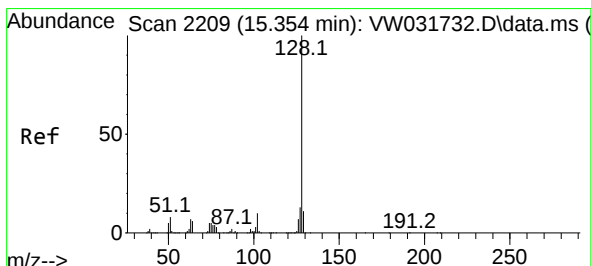
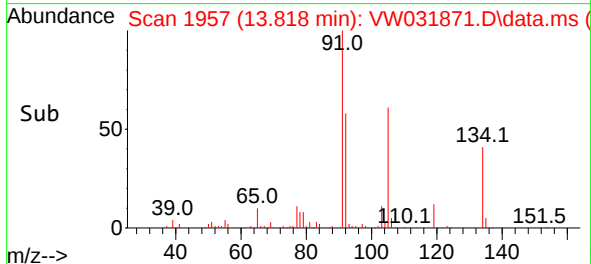
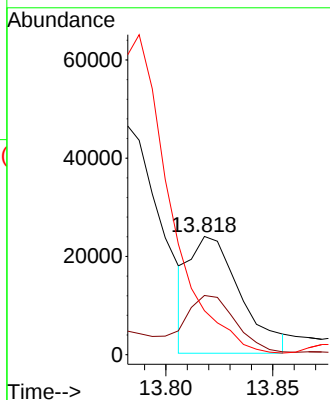
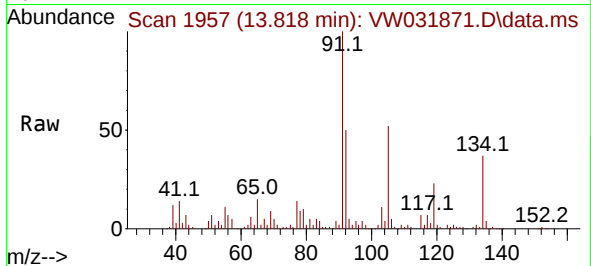
#89
n-Butylbenzene
Concen: 4.003 ug/l m
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

Instrument :
MSVOA_W
ClientSampleId :
710-C

Tgt Ion: 91 Resp: 39350
Ion Ratio Lower Upper
91 100
92 84.9 27.2 81.5
134 130.0 12.2 36.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



#95
Naphthalene
Concen: 4038.934 ug/l m
RT: 15.348 min Scan# 2208
Delta R.T. -0.006 min
Lab File: VW031871.D
Acq: 16 Jul 2025 12:29

Tgt Ion:128 Resp:28800141
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.7 13.1#

