

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031777.D
 Acq On : 09 Jul 2025 15:40
 Operator : SY/MD
 Sample : Q2480-07
 Misc : 8.69g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX7

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:27:41 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	7.965	168	202570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	393419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185596	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135752	46.697	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.400%		
35) Dibromofluoromethane	7.904	113	121682	47.398	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.800%		
50) Toluene-d8	10.325	98	996185	104.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	208.540%#		
62) 4-Bromofluorobenzene	12.611	95	352944	100.389	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	200.780%#		
Target Compounds						
						Qvalue
17) Carbon Disulfide	4.435	76	8839	1.368	ug/l	97
31) Cyclohexane	7.971	56	2838173	685.663	ug/l #	95
39) Methylcyclohexane	9.349	83	10589796	2291.187	ug/l	95
40) Benzene	8.337	78	61300	5.577	ug/l	93
68) m/p-Xylenes	11.849	106	99754	19.334	ug/l #	72
69) o-Xylene	12.166	106	70146	14.683	ug/l	83
80) 1,3,5-Trimethylbenzene	12.940	105	3120859	267.066	ug/l	98
83) tert-Butylbenzene	13.202	119	92110	9.202	ug/l	95
84) 1,2,4-Trimethylbenzene	13.251	105	63485m	5.362	ug/l	
85) sec-Butylbenzene	13.385	105	436986m	29.085	ug/l	
86) p-Isopropyltoluene	13.501	119	778666	62.885	ug/l	98

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

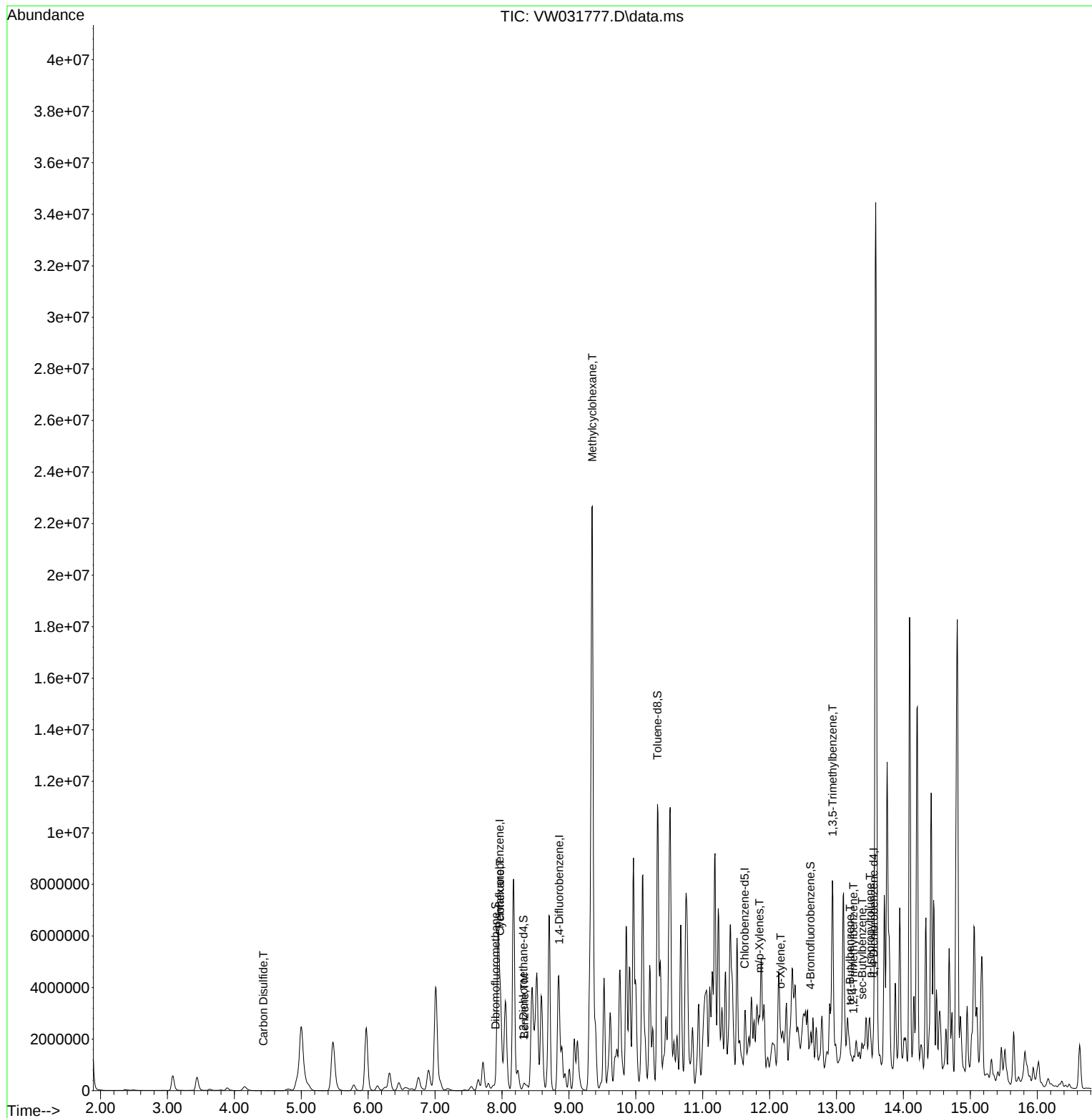
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
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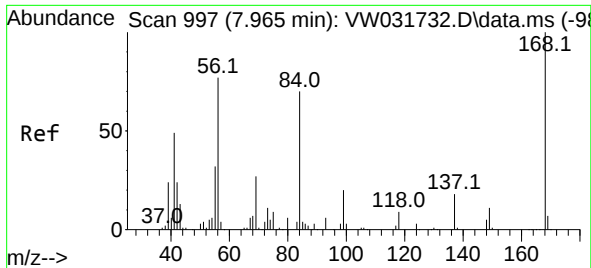
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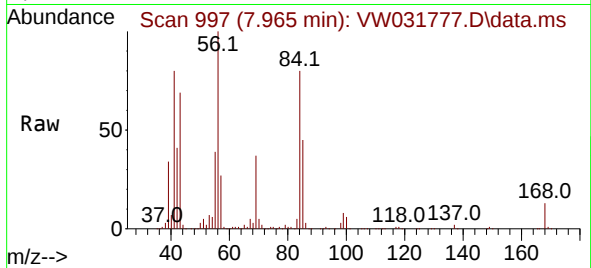
Quant Time: Jul 10 01:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

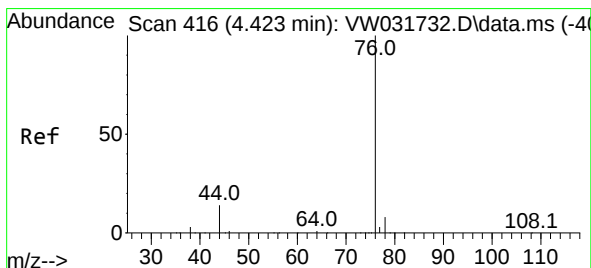
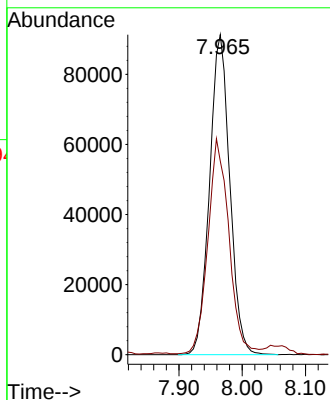
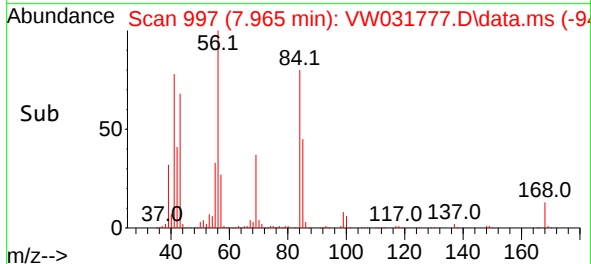
Instrument :
MSVOA_W
ClientSampleId :
GPX7



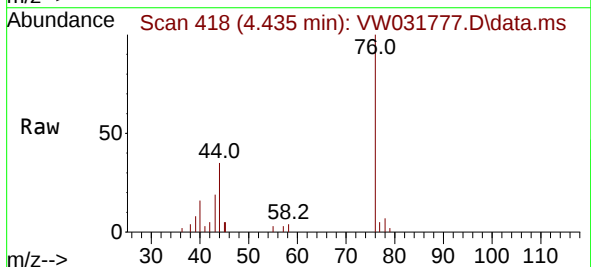
Tgt Ion:168 Resp: 202570
Ion Ratio Lower Upper
168 100
99 60.2 49.4 74.2

Manual Integrations
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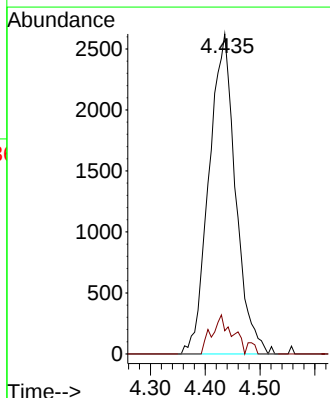
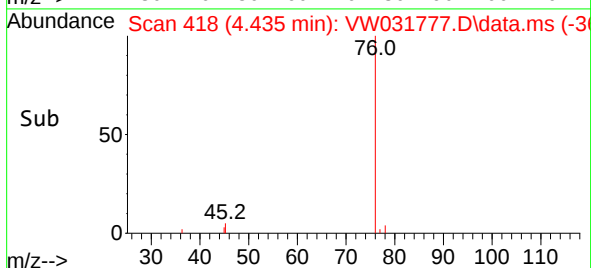
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

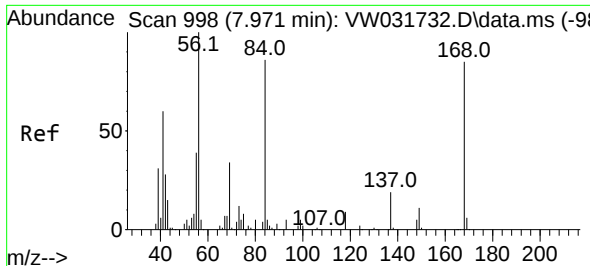


#17
Carbon Disulfide
Concen: 1.368 ug/l
RT: 4.435 min Scan# 418
Delta R.T. 0.012 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40



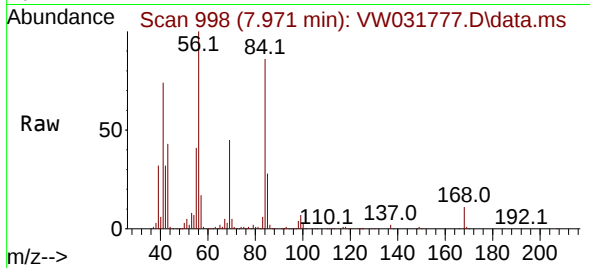
Tgt Ion: 76 Resp: 8839
Ion Ratio Lower Upper
76 100
78 7.2 6.6 10.0





#31
Cyclohexane
Concen: 685.663 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

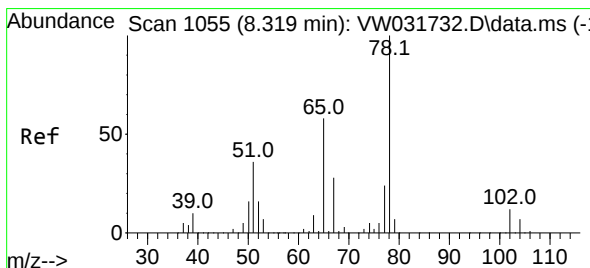
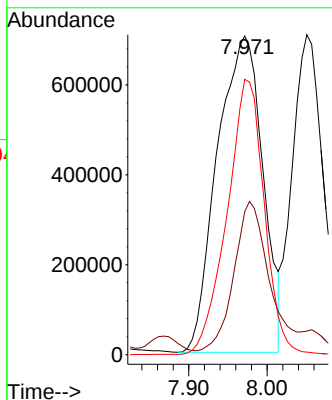
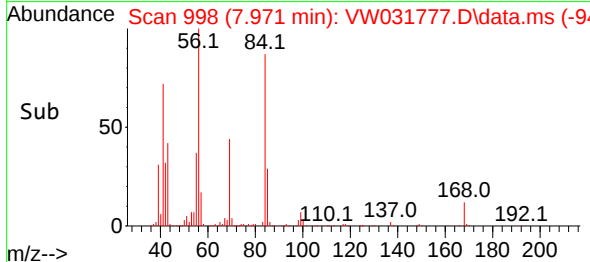
Instrument :
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ClientSampleId :
GPX7



Tgt Ion: 56 Resp: 283817
Ion Ratio Lower Upper
56 100
69 41.7 27.2 40.8
84 86.9 68.5 102.7

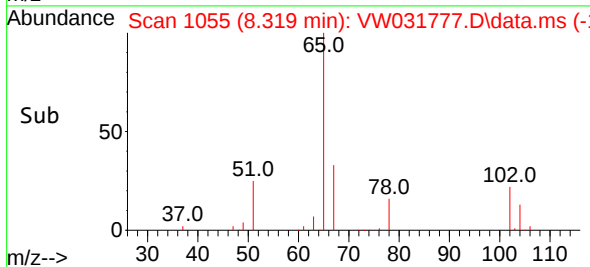
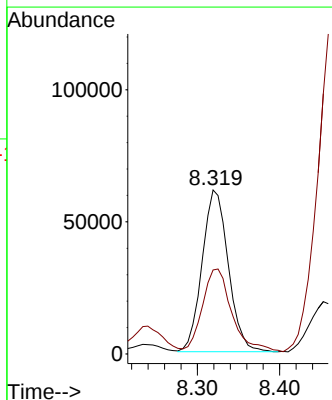
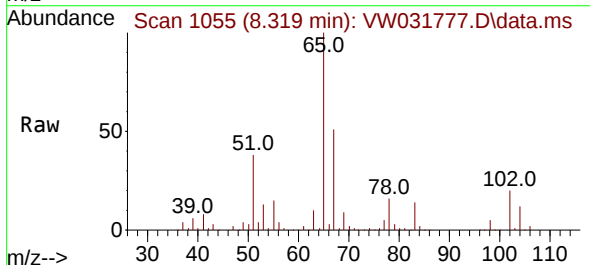
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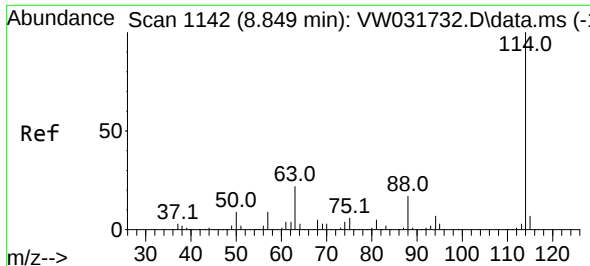
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#33
1,2-Dichloroethane-d4
Concen: 46.697 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

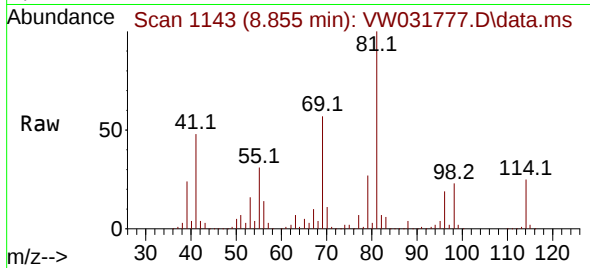
Tgt Ion: 65 Resp: 135752
Ion Ratio Lower Upper
65 100
67 57.2 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

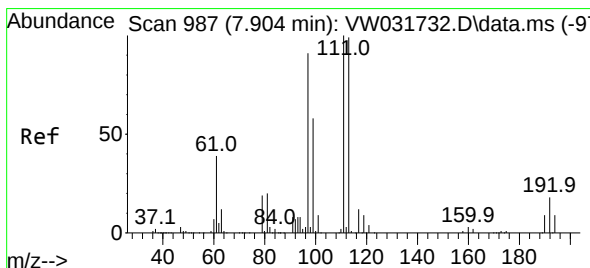
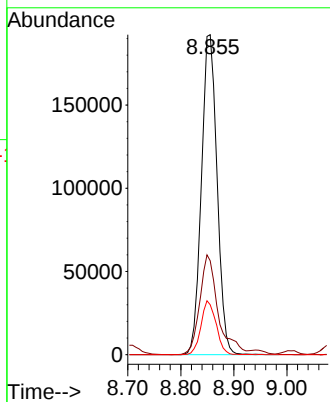
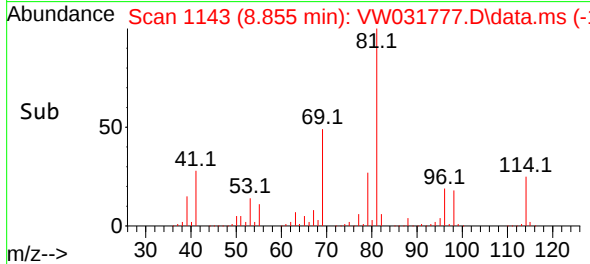
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:114 Resp: 393419
Ion Ratio Lower Upper
114 100
63 29.3 0.0 43.6
88 15.6 0.0 34.2

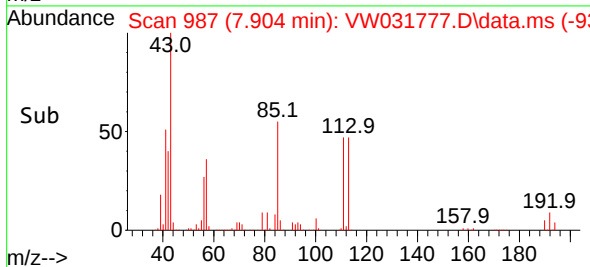
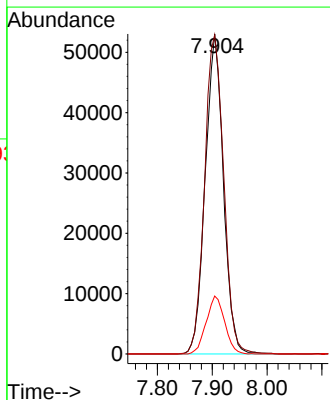
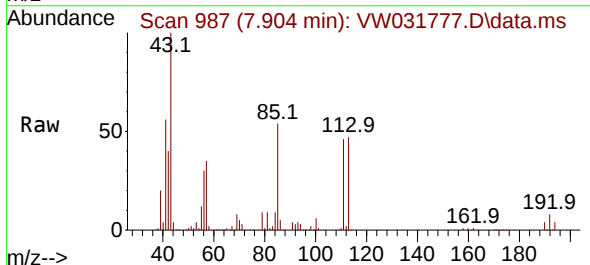
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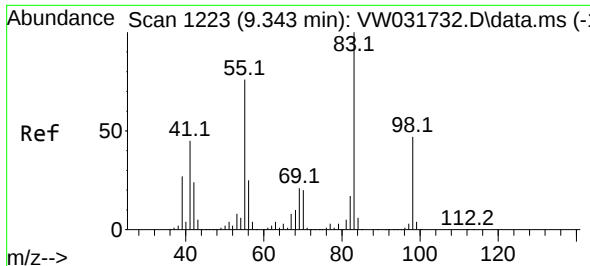
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#35
Dibromofluoromethane
Concen: 47.398 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

Tgt Ion:113 Resp: 121682
Ion Ratio Lower Upper
113 100
111 105.0 82.1 123.1
192 18.4 13.8 20.6





#39

Methylcyclohexane

Concen: 2291.187 ug/l

RT: 9.349 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031777.D

Acq: 09 Jul 2025 15:40

Instrument :

MSVOA_W

ClientSampleId :

GPX7

Tgt Ion: 83 Resp:1058979

Ion Ratio Lower Upper

83 100

55 72.9 61.0 91.4

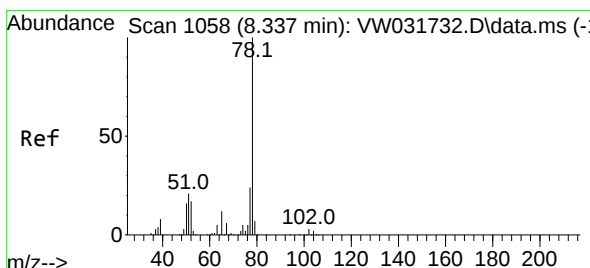
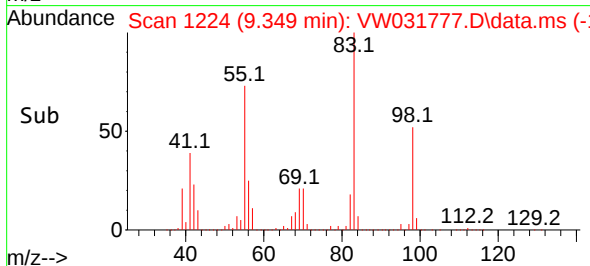
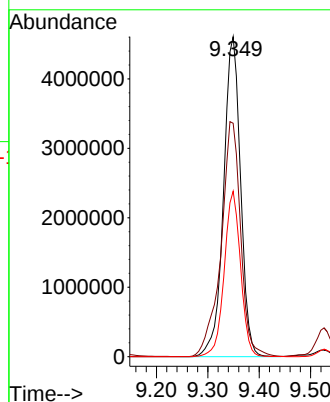
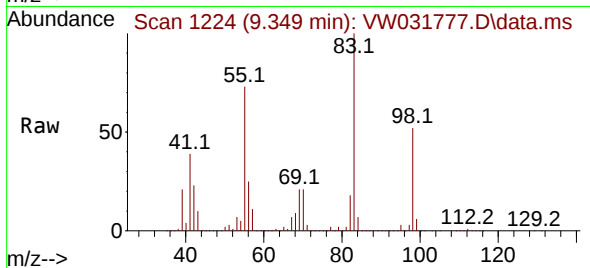
98 51.7 37.9 56.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/14/2025

Supervised By :Semsettin Yesilyurt 07/14/2025



#40

Benzene

Concen: 5.577 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031777.D

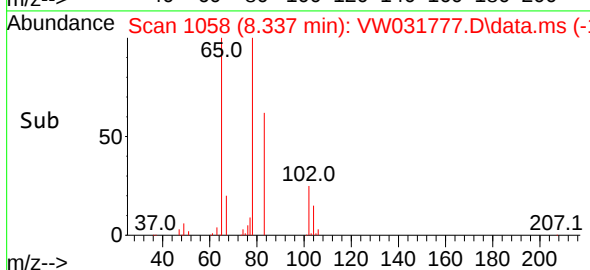
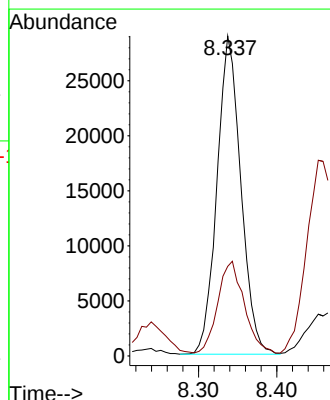
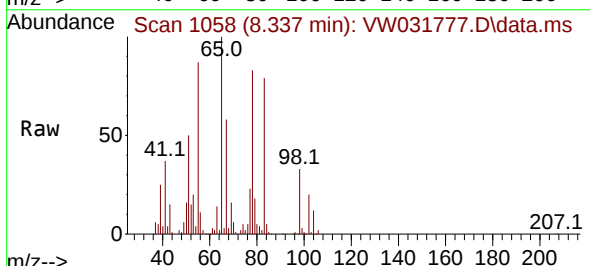
Acq: 09 Jul 2025 15:40

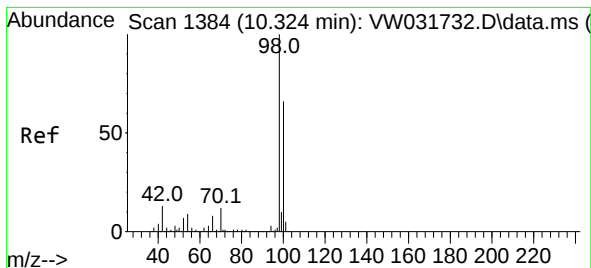
Tgt Ion: 78 Resp: 61300

Ion Ratio Lower Upper

78 100

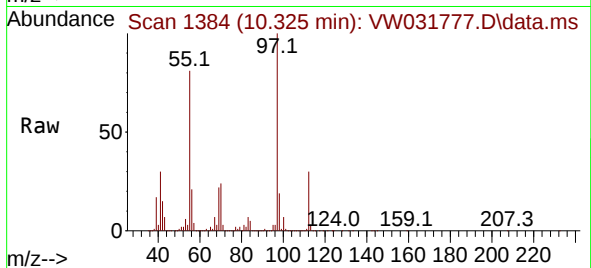
77 27.2 19.2 28.8





#50
Toluene-d8
Concen: 104.272 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

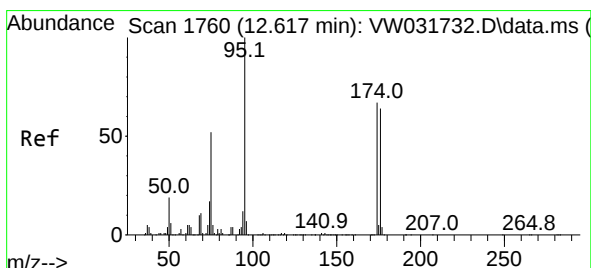
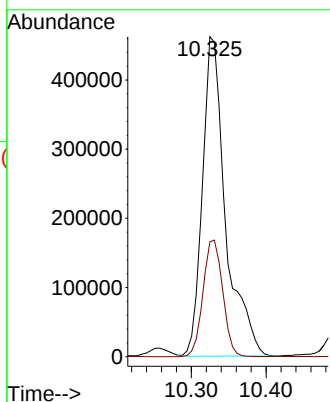
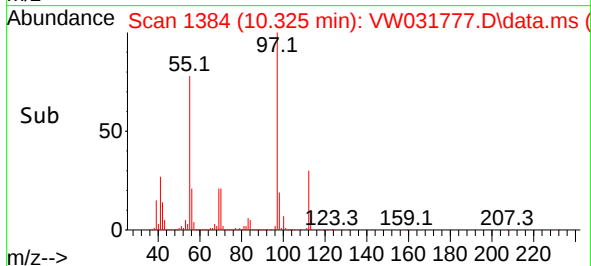
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ClientSampleId :
GPX7



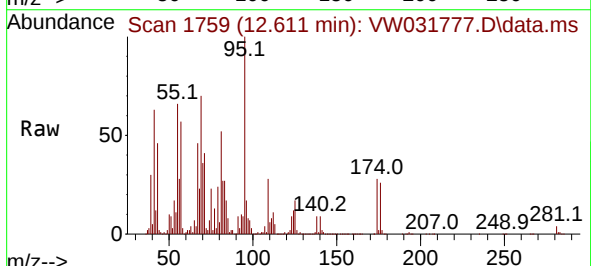
Tgt Ion: 98 Resp: 996185
Ion Ratio Lower Upper
98 100
100 31.0 53.0 79.45

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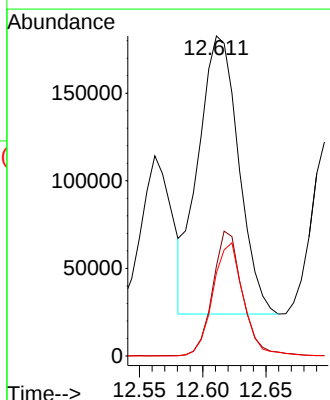
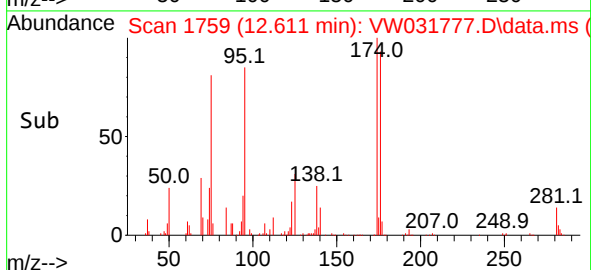
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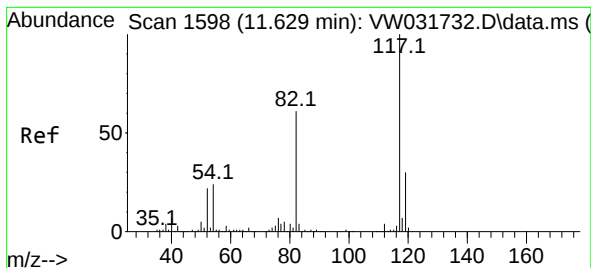


#62
4-Bromofluorobenzene
Concen: 100.389 ug/l
RT: 12.611 min Scan# 1759
Delta R.T. -0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40



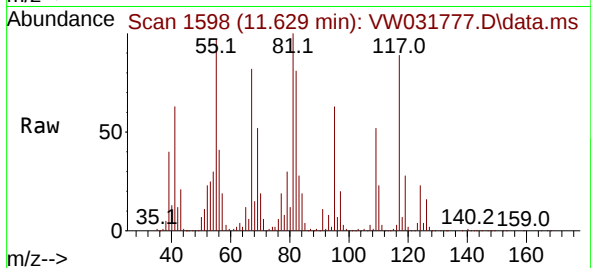
Tgt Ion: 95 Resp: 352944
Ion Ratio Lower Upper
95 100
174 32.9 0.0 133.8
176 31.0 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

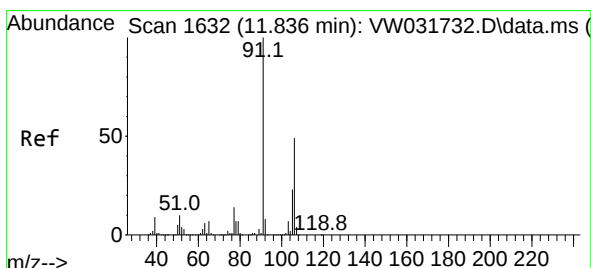
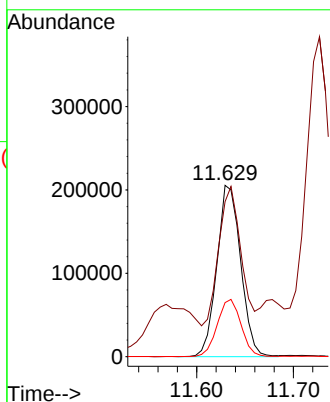
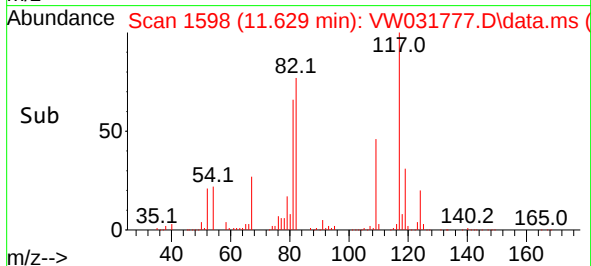
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:117 Resp: 350819
Ion Ratio Lower Upper
117 100
82 62.5 48.6 72.8
119 31.4 23.9 35.9

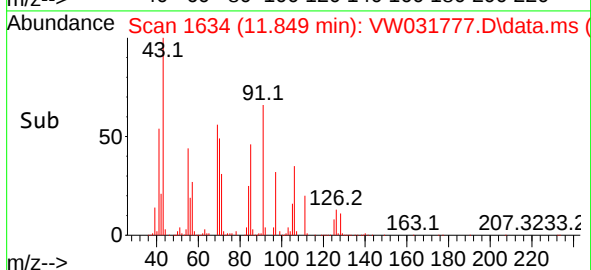
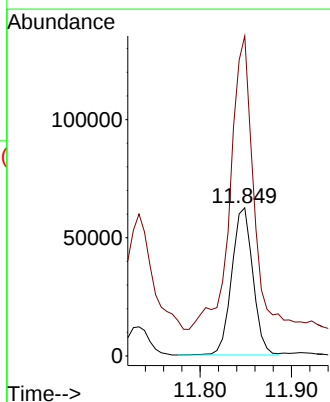
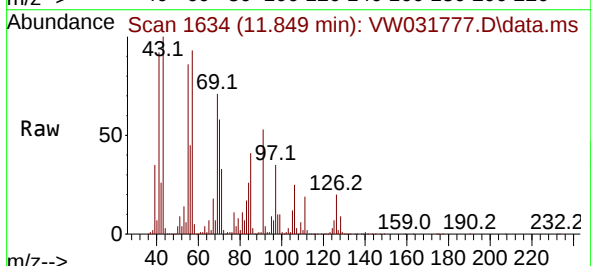
Manual Integrations
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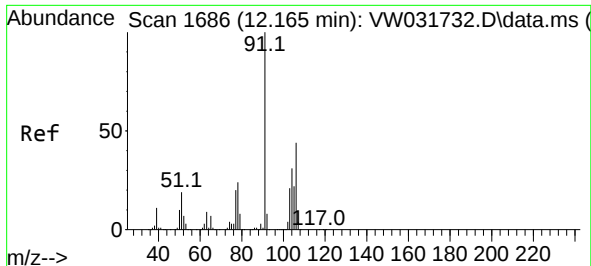
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.849 min Scan# 1634
Delta R.T. 0.012 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

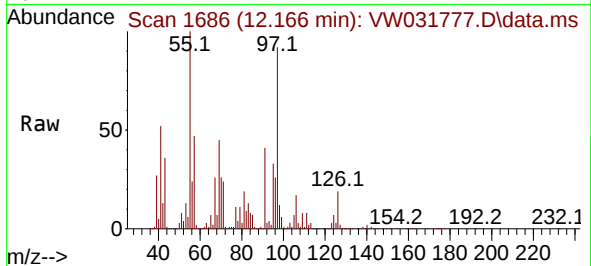
Tgt Ion:106 Resp: 99754
Ion Ratio Lower Upper
106 100
91 252.2 166.4 249.6#





#69
o-Xylene
Concen: 14.683 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

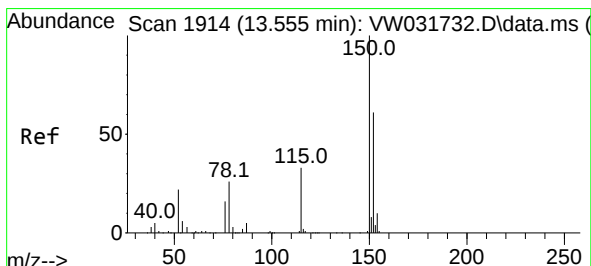
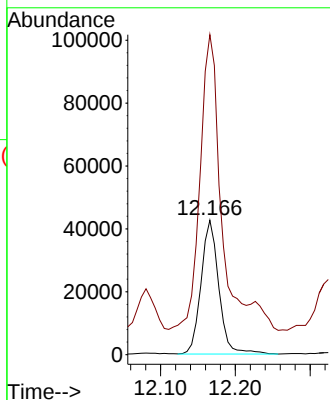
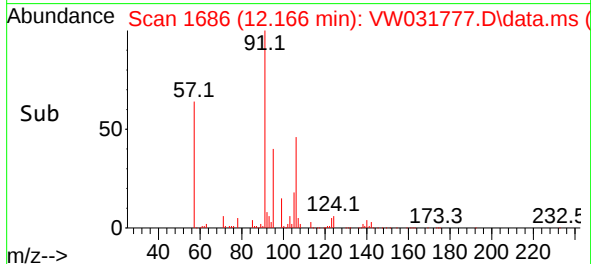
Instrument :
MSVOA_W
ClientSampleId :
GPX7



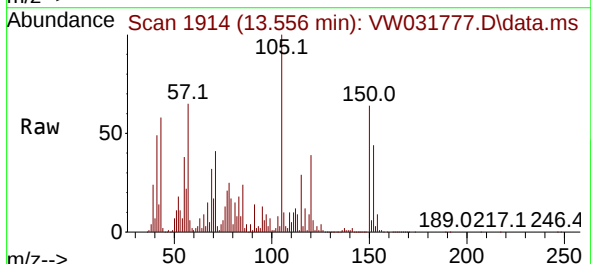
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Ion Ratio Lower Upper
106 100
91 250.9 111.5 334.4

Manual Integrations
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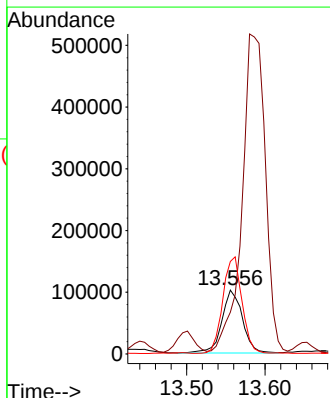
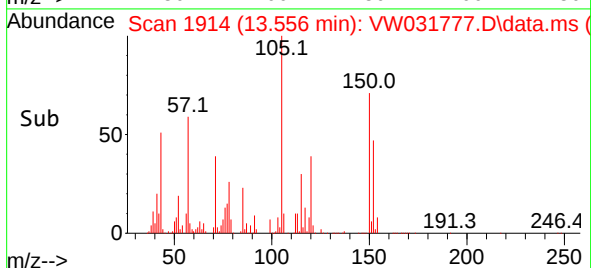
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

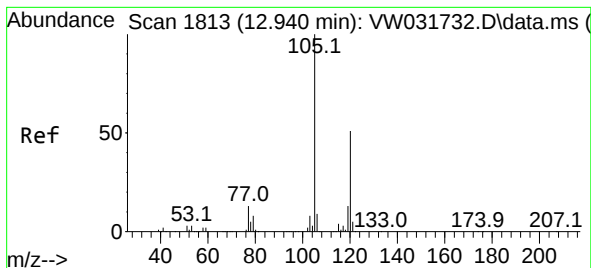


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40



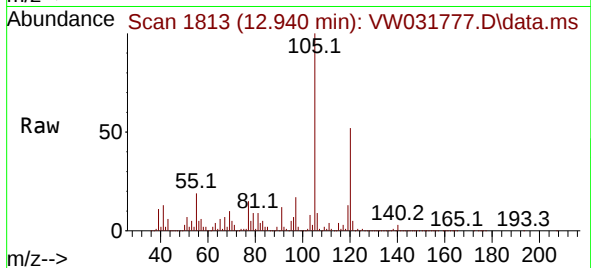
Tgt Ion:152 Resp: 185596
Ion Ratio Lower Upper
152 100
115 0.0 31.9 95.7#
150 143.2 0.0 356.4





#80
1,3,5-Trimethylbenzene
Concen: 267.066 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

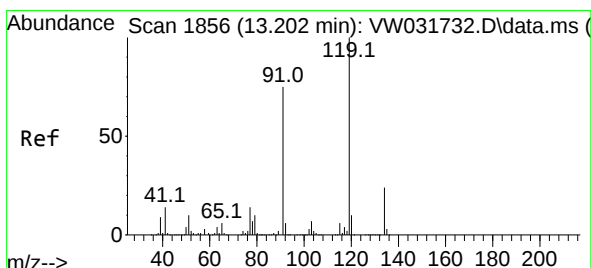
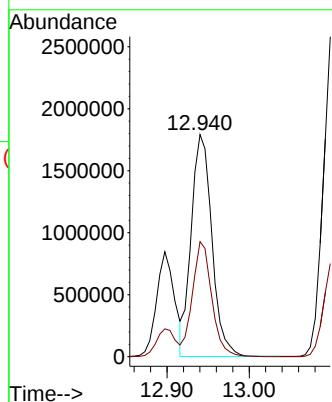
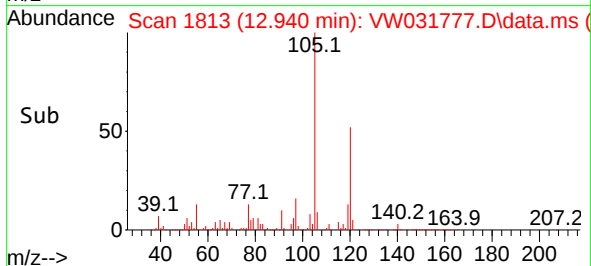
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:105 Resp: 312085
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.2

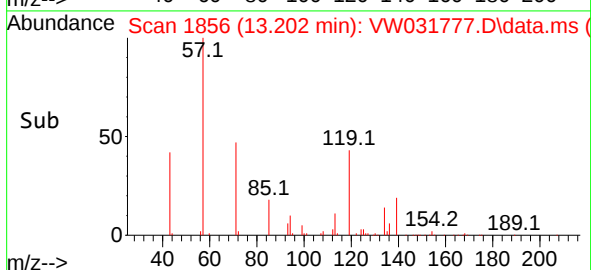
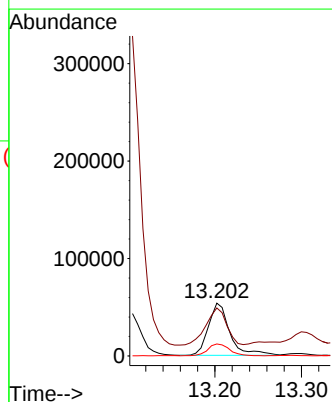
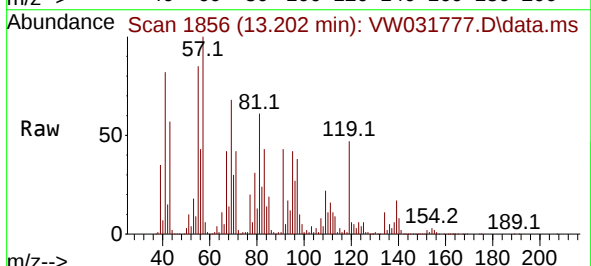
Manual Integrations
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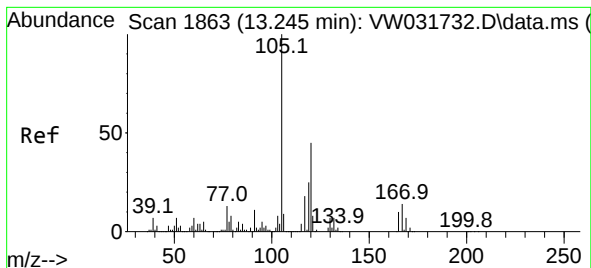
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#83
tert-Butylbenzene
Concen: 9.202 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

Tgt Ion:119 Resp: 92110
Ion Ratio Lower Upper
119 100
91 68.4 36.0 108.1
134 22.3 12.4 37.2





#84

1,2,4-Trimethylbenzene

Concen: 5.362 ug/l m

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW031777.D

Acq: 09 Jul 2025 15:40

Instrument :

MSVOA_W

ClientSampleId :

GPX7

Tgt Ion:105 Resp: 6348

Ion Ratio Lower Upper

105 100

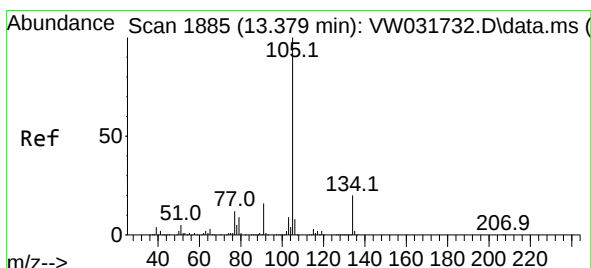
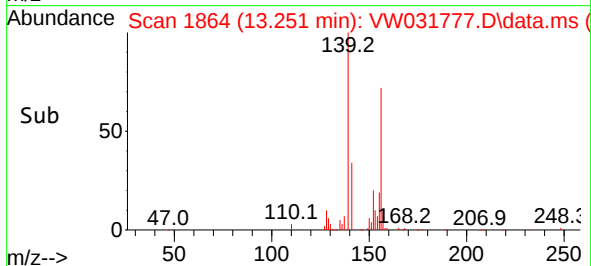
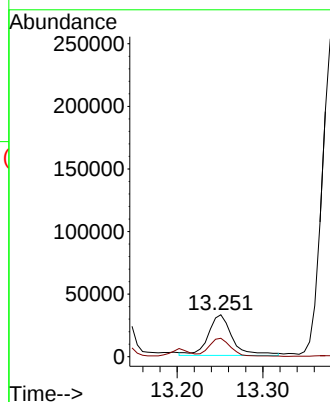
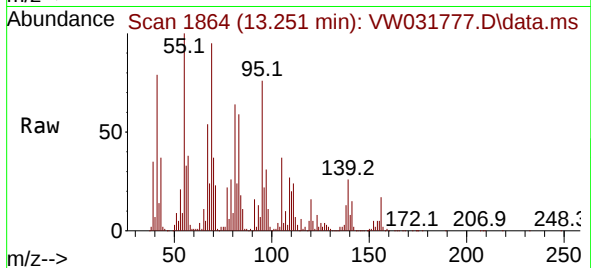
120 2089.4 22.1 66.1

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Reviewed By :Mahesh Dadoda 07/14/2025

Supervised By :Semsettin Yesilyurt 07/14/2025



#85

sec-Butylbenzene

Concen: 29.085 ug/l m

RT: 13.385 min Scan# 1886

Delta R.T. 0.006 min

Lab File: VW031777.D

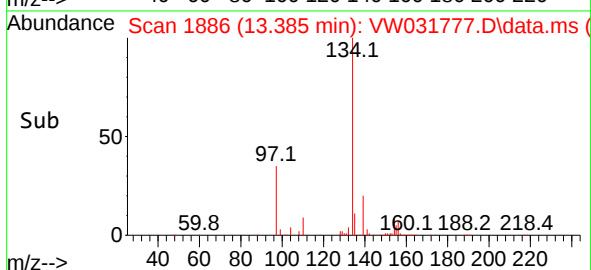
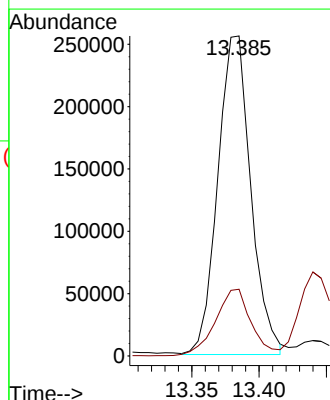
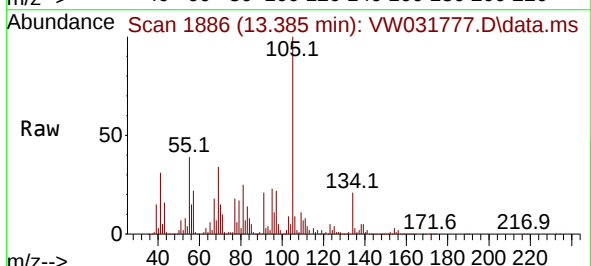
Acq: 09 Jul 2025 15:40

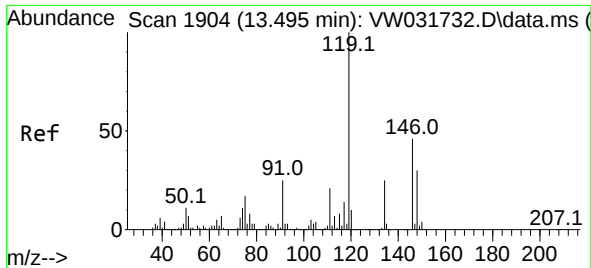
Tgt Ion:105 Resp: 436986

Ion Ratio Lower Upper

105 100

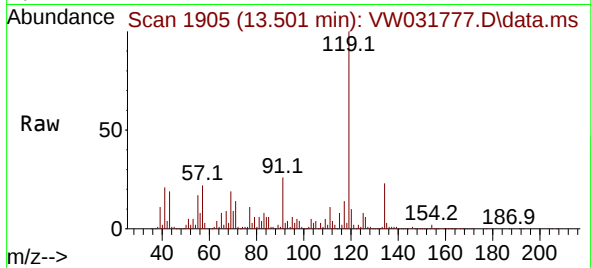
134 0.0 9.6 28.8#





#86
 p-Isopropyltoluene
 Concen: 62.885 ug/l
 RT: 13.501 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VW031777.D
 Acq: 09 Jul 2025 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX7



Tgt Ion:119 Resp: 778660
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.7
 91 26.4 12.7 38.0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

