

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031797.D
 Acq On : 10 Jul 2025 13:03
 Operator : SY/MD
 Sample : Q2480-06
 Misc : 5.51g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX6

Manual Integrations
 APPROVED

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

Quant Time: Jul 11 02:19:09 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	179251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	363855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	322565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190018	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	123670	48.075	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	96.140%		
35) Dibromofluoromethane	7.898	113	113976	48.004	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.000%		
50) Toluene-d8	10.325	98	966069	109.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	218.680%#		
62) 4-Bromofluorobenzene	12.611	95	465295	143.098	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	286.200%#		
Target Compounds						
						Qvalue
17) Carbon Disulfide	4.423	76	9140	1.599	ug/l	# 95
39) Methylcyclohexane	9.343	83	1169828m	273.667	ug/l	
40) Benzene	8.343	78	26996	2.656	ug/l	98
67) Ethyl Benzene	11.733	91	1959994	158.820	ug/l	95
68) m/p-Xylenes	11.843	106	1401145	295.347	ug/l	100
73) Isopropylbenzene	12.465	105	715293	49.488	ug/l	100
78) n-propylbenzene	12.800	91	2606277	150.581	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	2980928	249.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.251	105	9034854	745.313	ug/l	98
85) sec-Butylbenzene	13.379	105	1105459	71.865	ug/l	# 54
86) p-Isopropyltoluene	13.495	119	416601	32.862	ug/l	90
89) n-Butylbenzene	13.818	91	948503m	77.005	ug/l	
95) Naphthalene	15.360	128	939389	105.146	ug/l	97

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

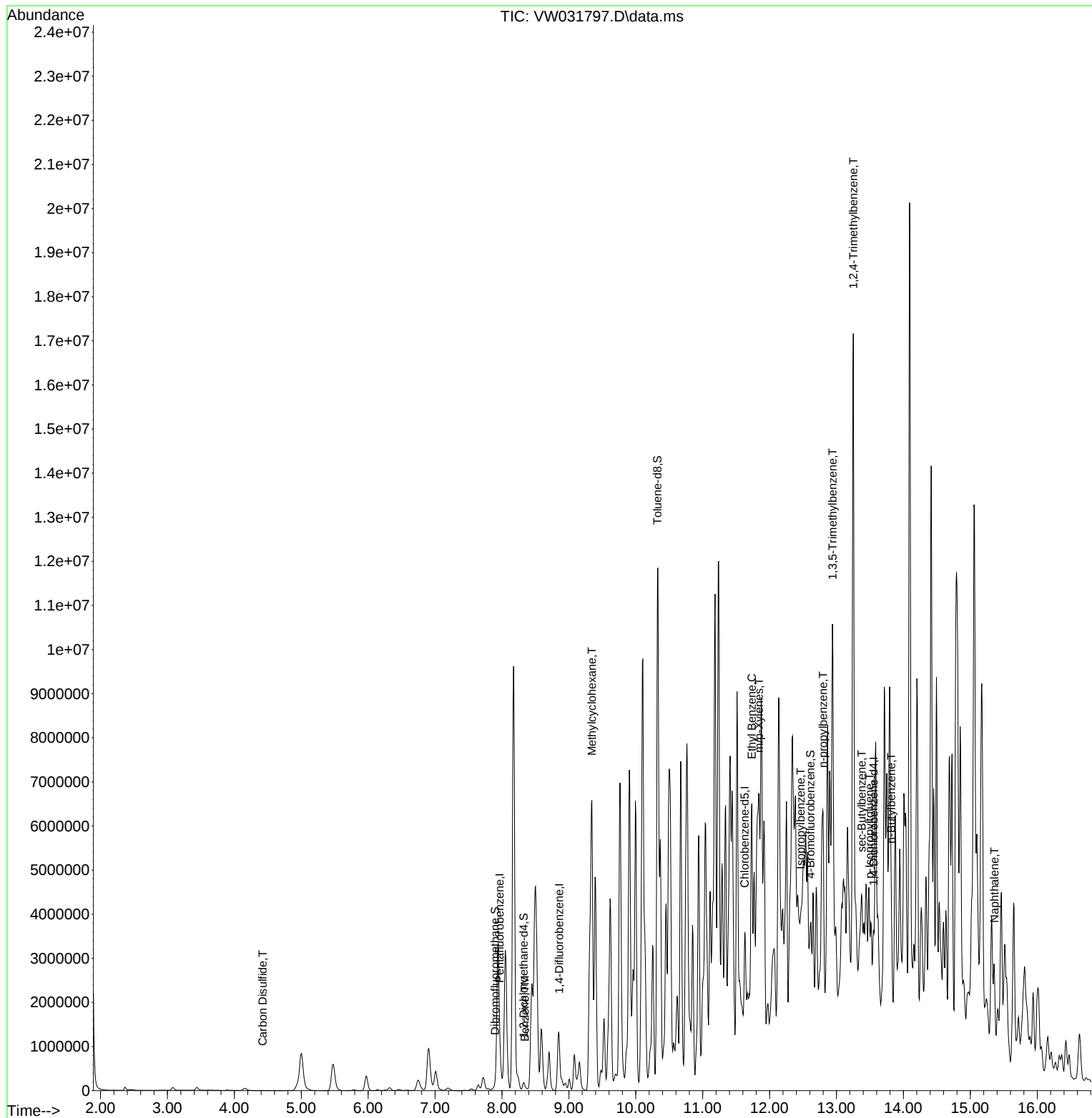
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
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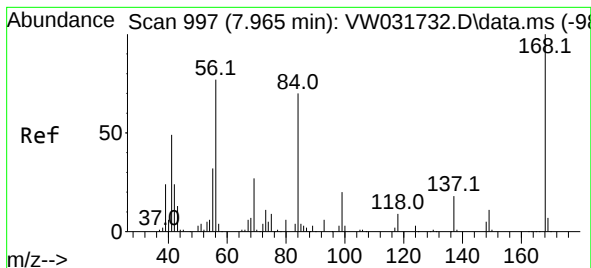
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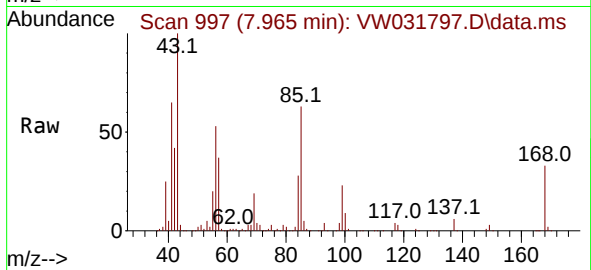
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

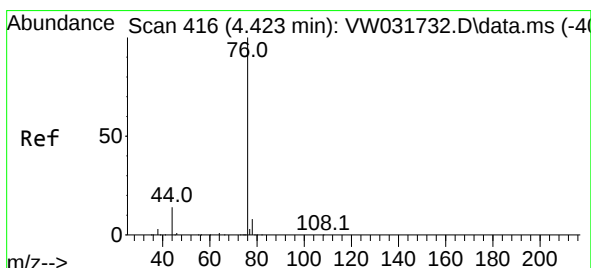
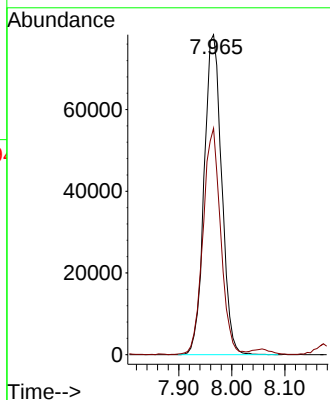
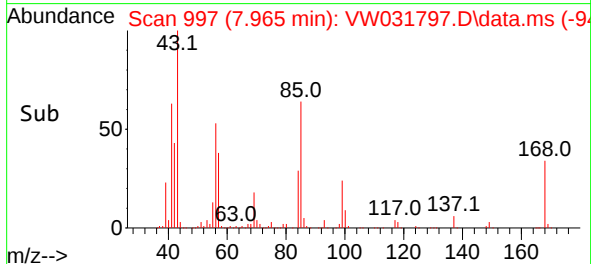
Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion:168 Resp: 17925
Ion Ratio Lower Upper
168 100
99 70.5 49.4 74.2

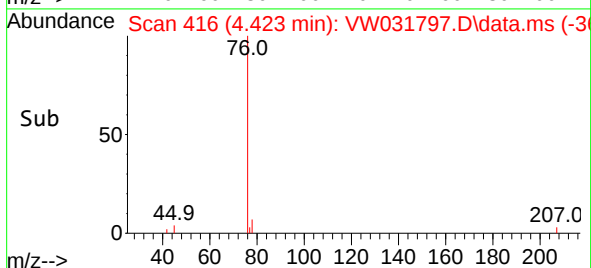
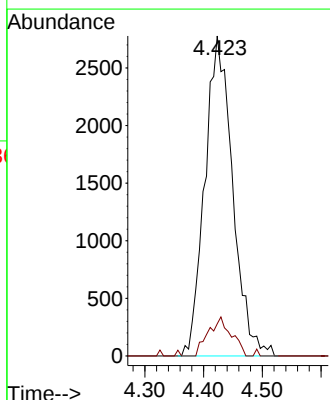
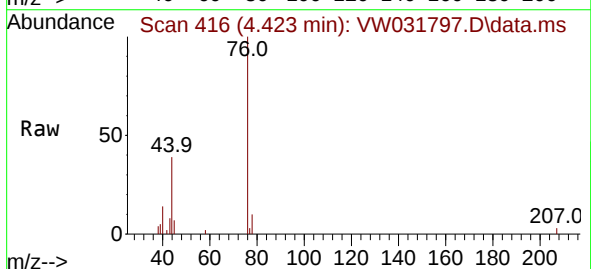
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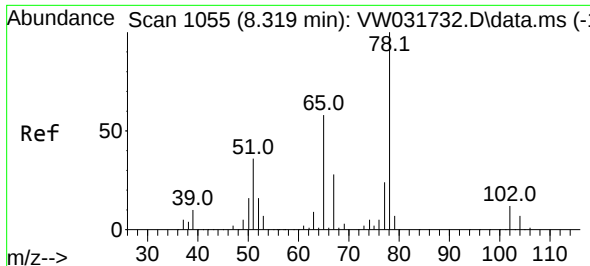
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#17
Carbon Disulfide
Concen: 1.599 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

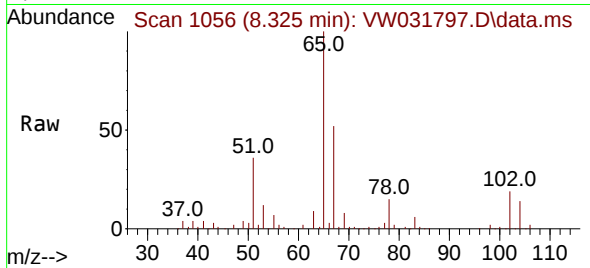
Tgt Ion: 76 Resp: 9140
Ion Ratio Lower Upper
76 100
78 10.0 6.6 10.0#





#33
1,2-Dichloroethane-d4
Concen: 48.075 ug/l
RT: 8.325 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

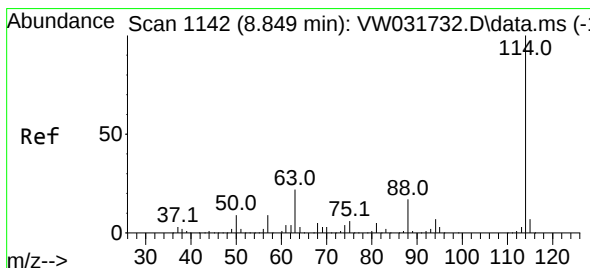
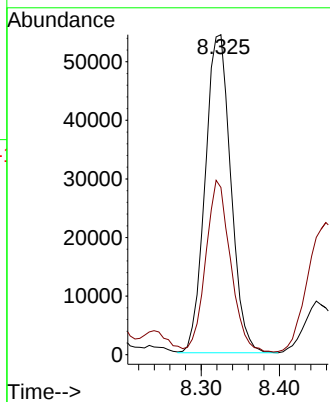
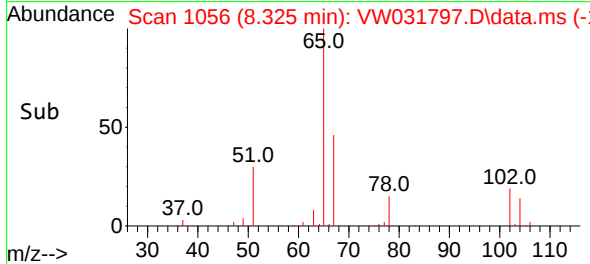
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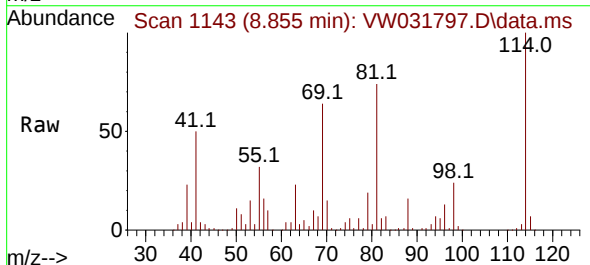
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Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4

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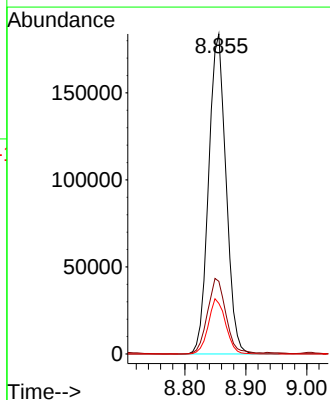
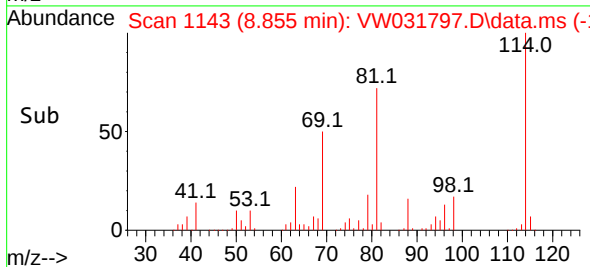
Reviewed By :Mahesh Dadoda 07/14/2025
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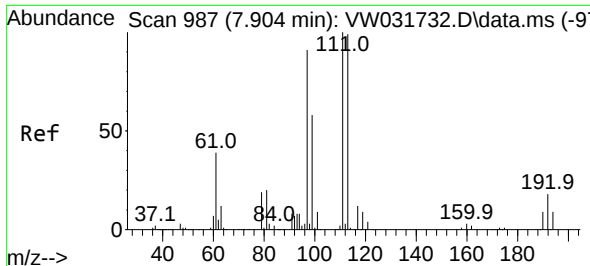


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03



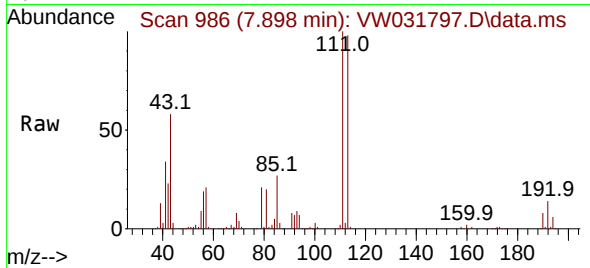
Tgt Ion:114 Resp: 363855
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.6
88 15.8 0.0 34.2





#35
Dibromofluoromethane
Concen: 48.004 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

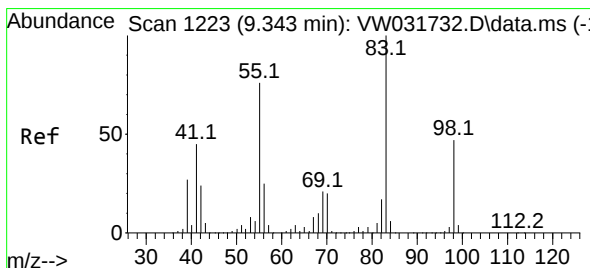
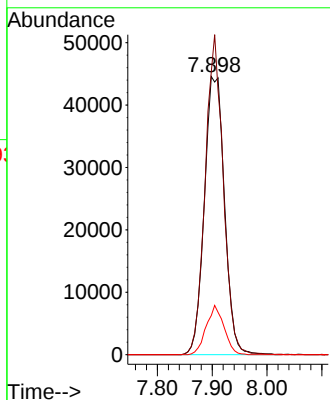
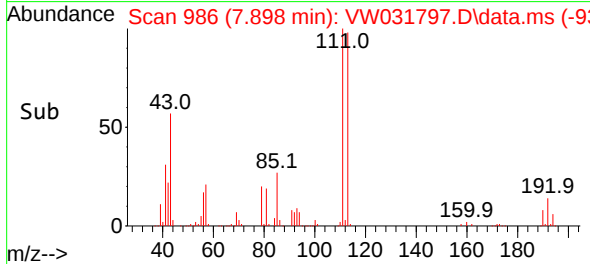
Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion: 113 Resp: 113976
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 15.6 13.8 20.6

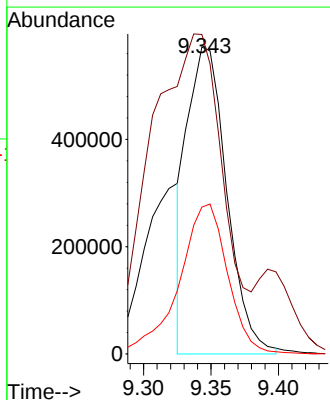
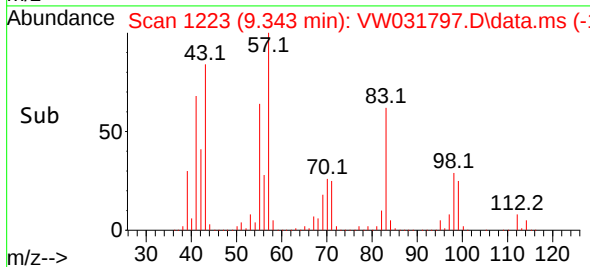
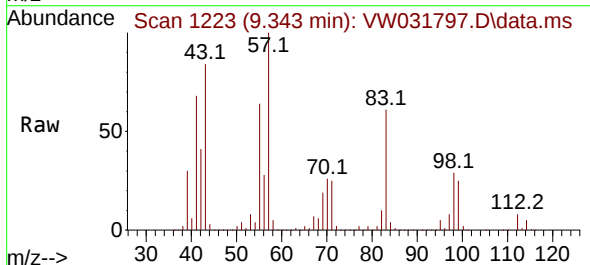
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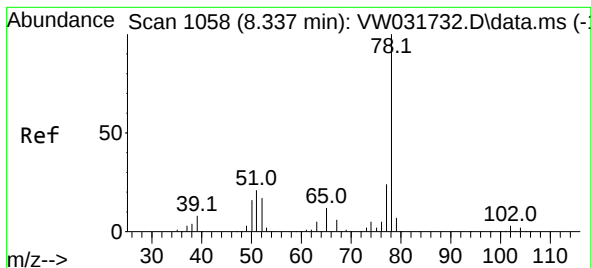
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#39
Methylcyclohexane
Concen: 273.667 ug/l m
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Tgt Ion: 83 Resp: 1169828
Ion Ratio Lower Upper
83 100
55 104.2 61.0 91.4#
98 47.9 37.9 56.9





#40

Benzene

Concen: 2.656 ug/l

RT: 8.343 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VW031797.D

Acq: 10 Jul 2025 13:03

Instrument :

MSVOA_W

ClientSampleId :

GPX6

Tgt Ion: 78 Resp: 26990

Ion Ratio Lower Upper

78 100

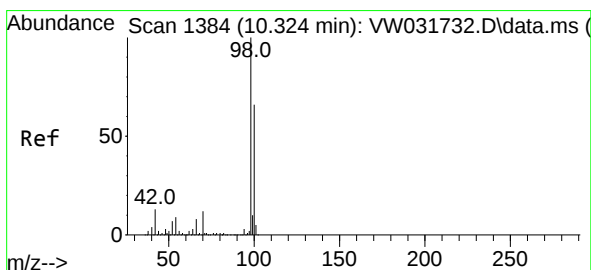
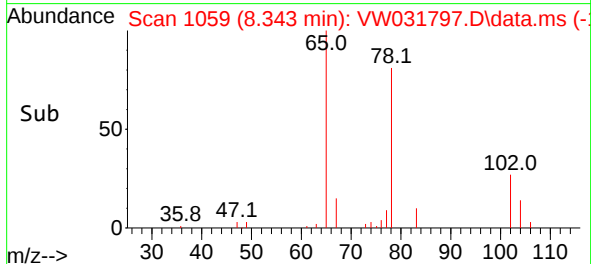
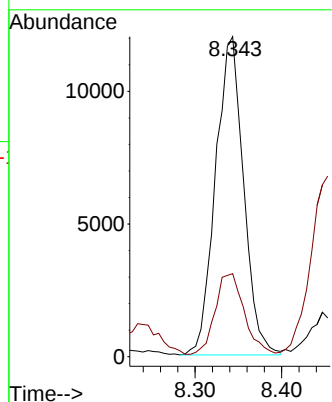
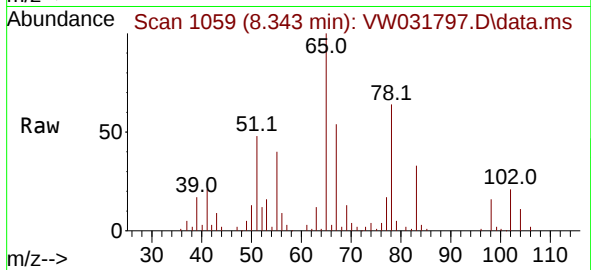
77 24.8 19.2 28.8

Manual Integrations

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#50

Toluene-d8

Concen: 109.336 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031797.D

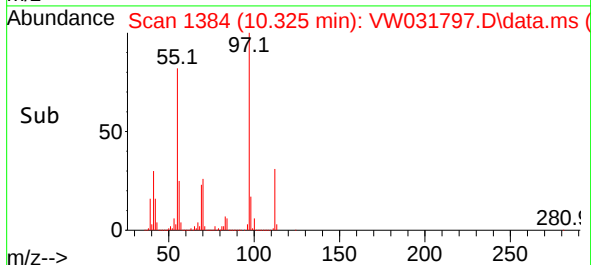
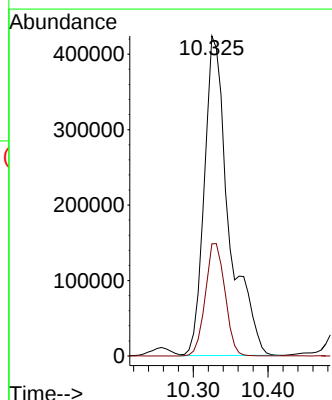
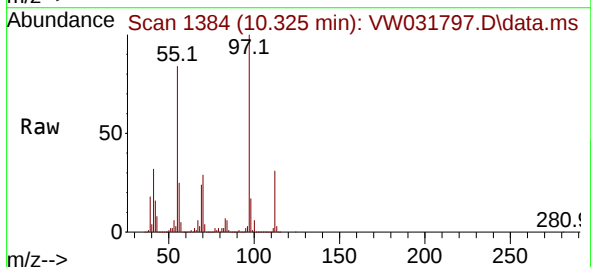
Acq: 10 Jul 2025 13:03

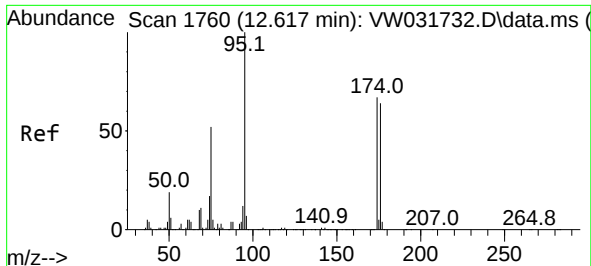
Tgt Ion: 98 Resp: 966069

Ion Ratio Lower Upper

98 100

100 28.2 53.0 79.4#





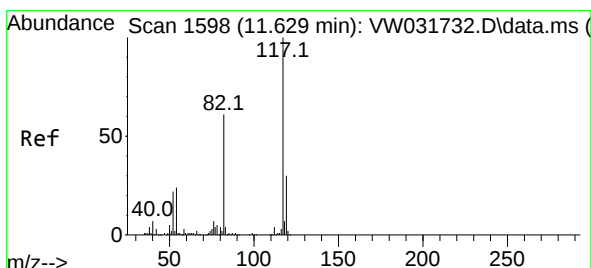
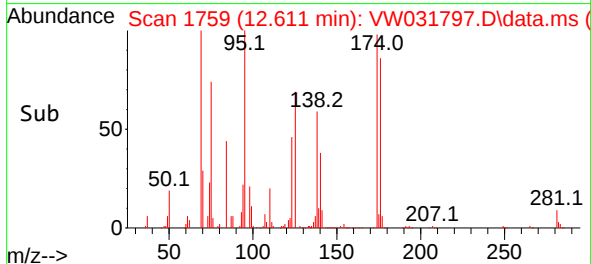
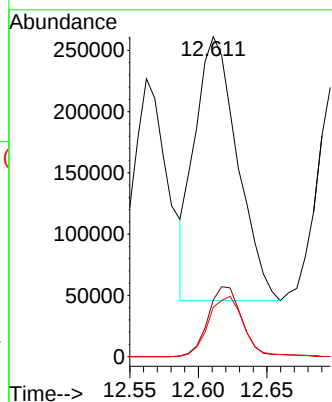
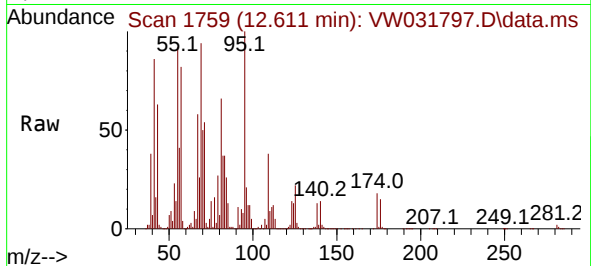
#62
4-Bromofluorobenzene
Concen: 143.098 ug/l
RT: 12.611 min Scan# 1759
Delta R.T. -0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Tgt Ion: 95 Resp: 465295
Ion Ratio Lower Upper
95 100
174 21.5 0.0 133.8
176 19.1 0.0 126.0

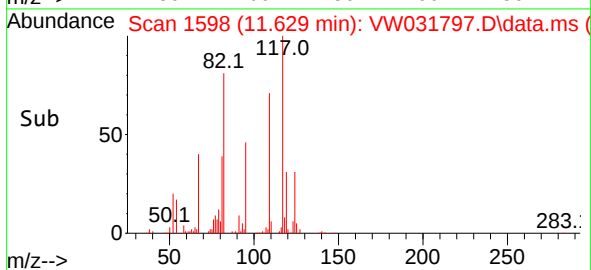
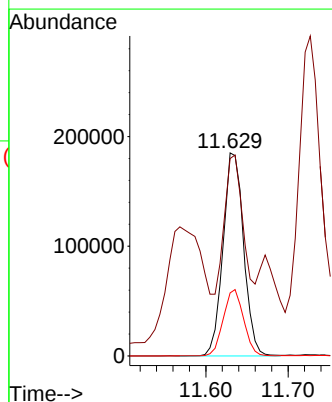
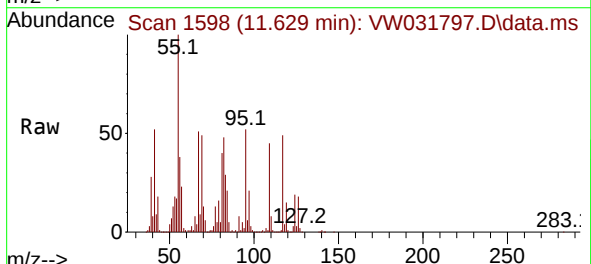
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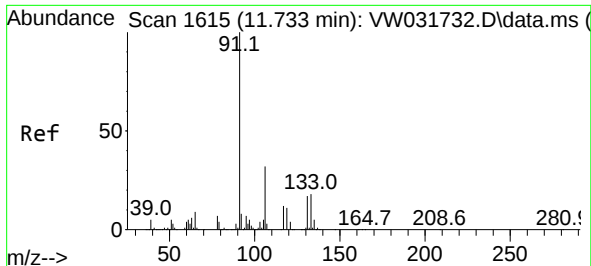
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

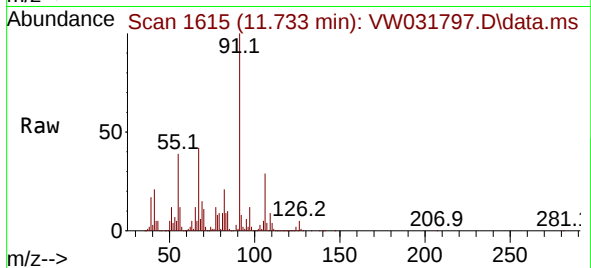
Tgt Ion:117 Resp: 322565
Ion Ratio Lower Upper
117 100
82 70.0 48.6 72.8
119 31.0 23.9 35.9





#67
Ethyl Benzene
Concen: 158.820 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

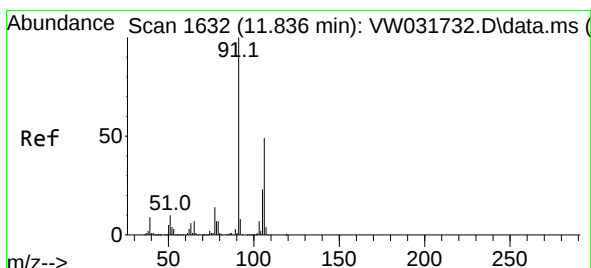
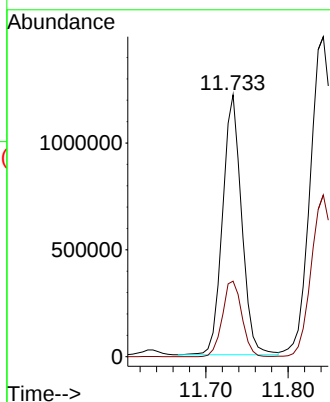
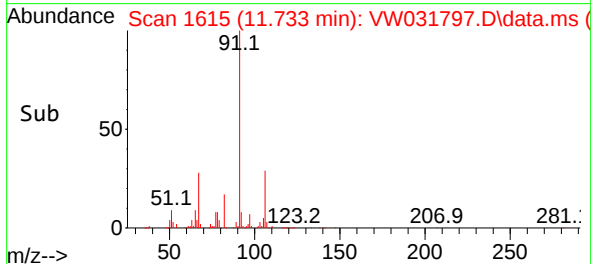
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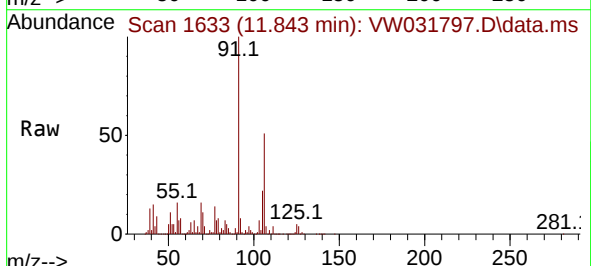
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Ion Ratio Lower Upper
91 100
106 29.0 25.4 38.2

Manual Integrations
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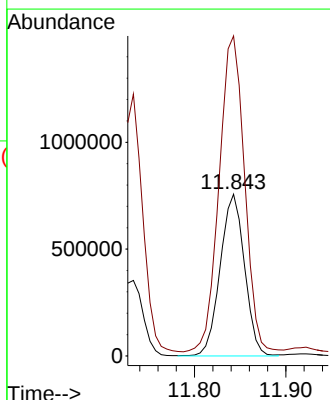
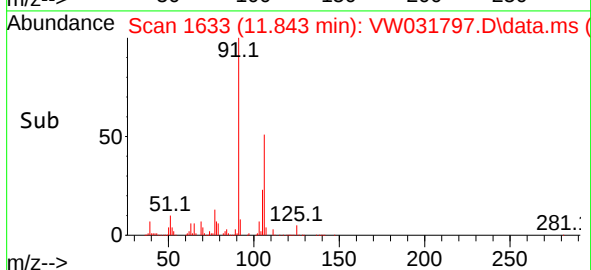
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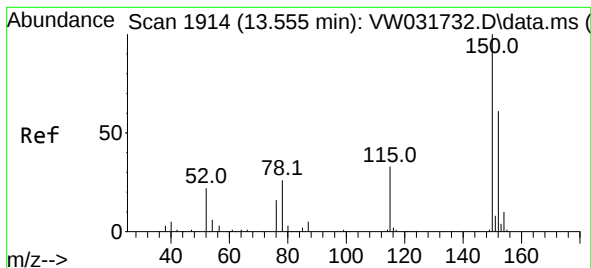


#68
m/p-Xylenes
Concen: 295.347 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03



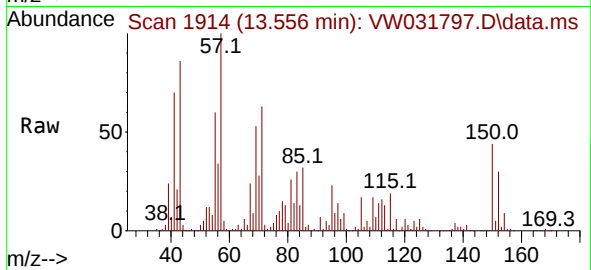
Tgt Ion:106 Resp: 1401145
Ion Ratio Lower Upper
106 100
91 207.4 166.4 249.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

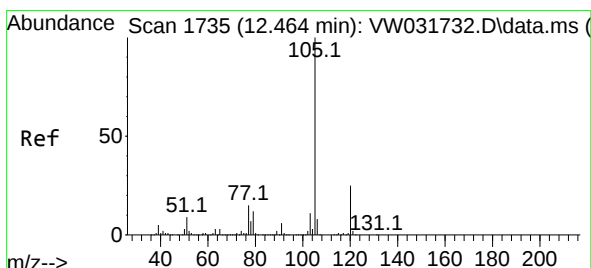
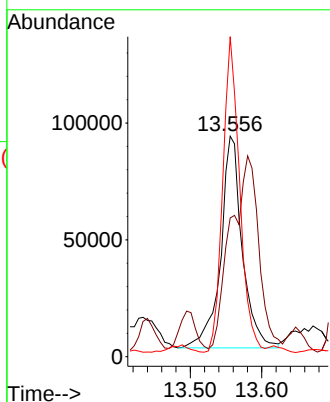
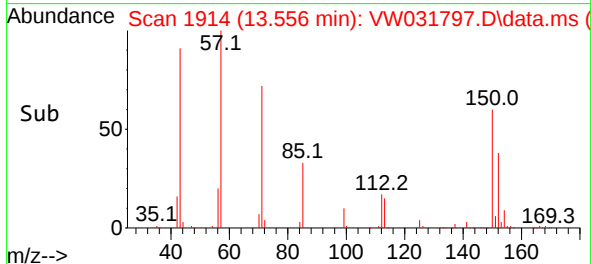
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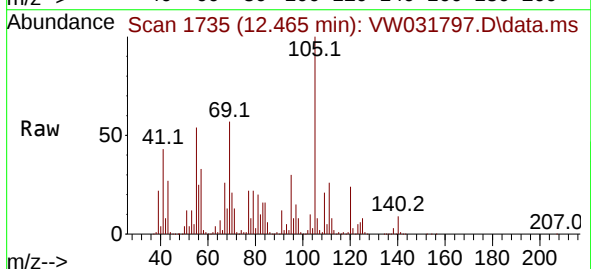
Tgt Ion:152 Resp: 190018
Ion Ratio Lower Upper
152 100
115 0.0 31.9 95.7
150 116.7 0.0 356.4

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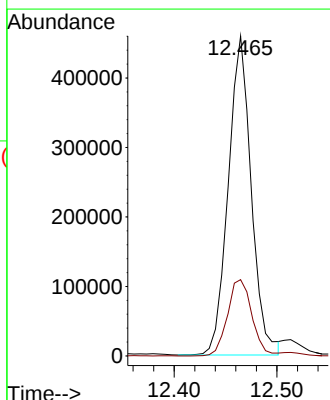
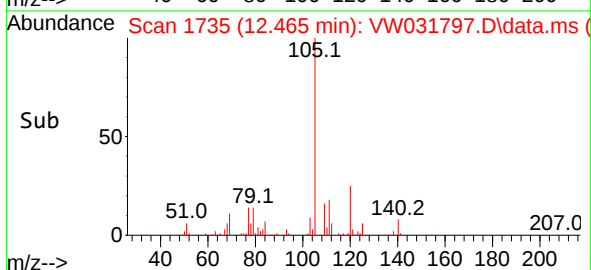
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

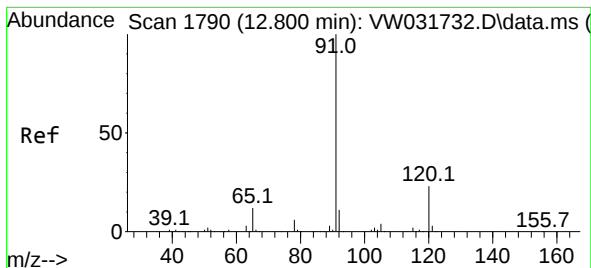


#73
Isopropylbenzene
Concen: 49.488 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03



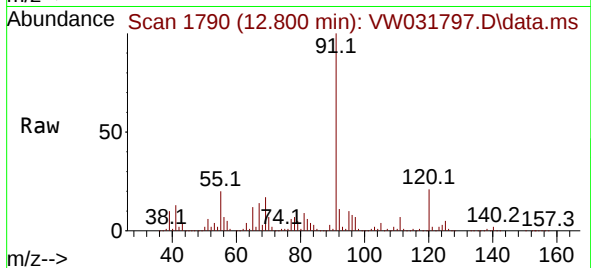
Tgt Ion:105 Resp: 715293
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4





#78
n-propylbenzene
Concen: 150.581 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

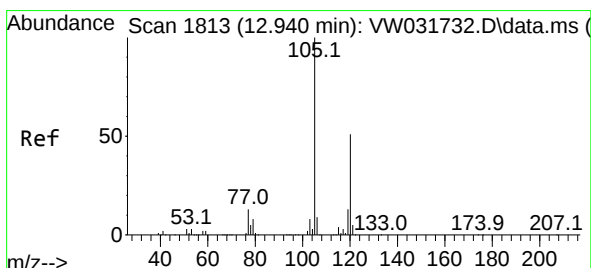
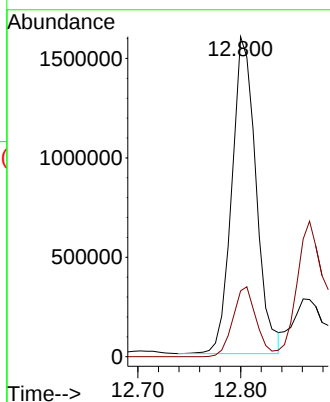
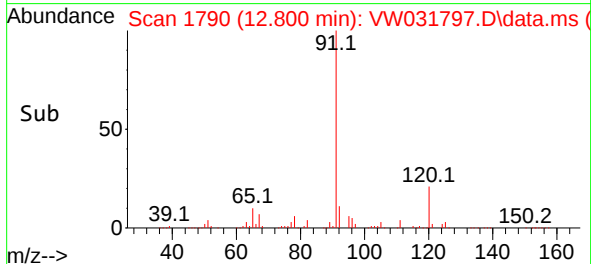
Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion: 91 Resp: 260627
Ion Ratio Lower Upper
91 100
120 21.2 11.5 34.4

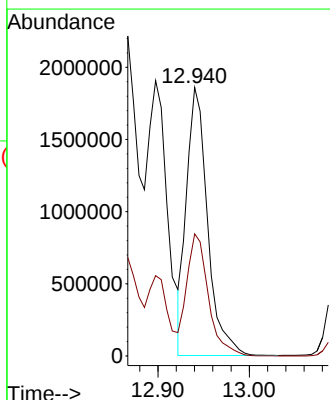
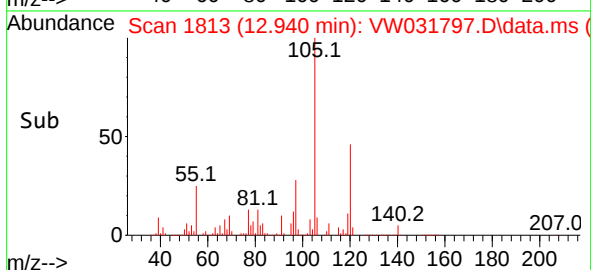
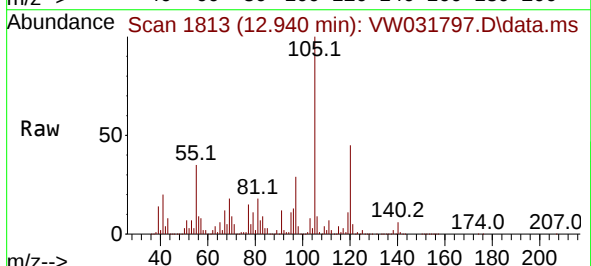
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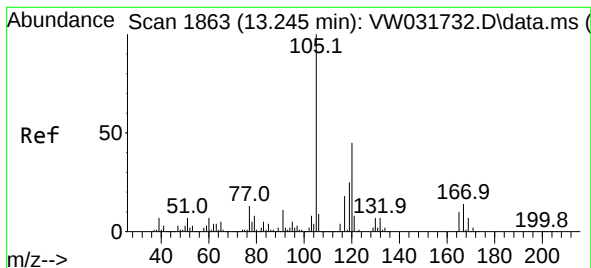
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 249.155 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Tgt Ion:105 Resp: 2980928
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.2





#84

1,2,4-Trimethylbenzene

Concen: 745.313 ug/l

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW031797.D

Acq: 10 Jul 2025 13:03

Instrument :

MSVOA_W

ClientSampleId :

GPX6

Tgt Ion:105 Resp: 903485

Ion Ratio Lower Upper

105 100

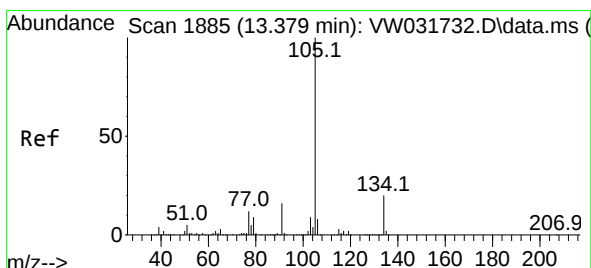
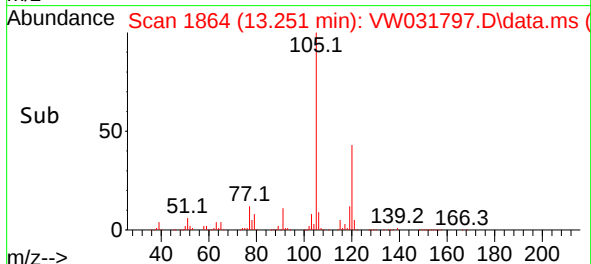
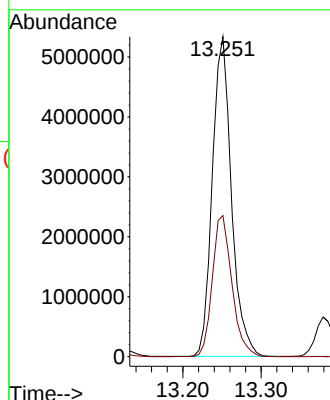
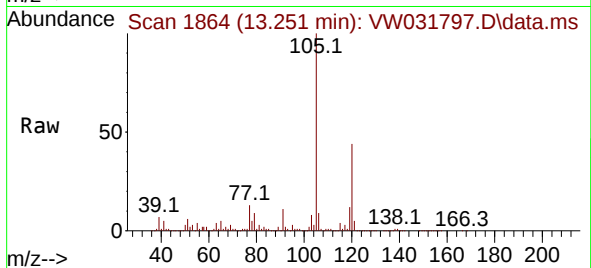
120 45.3 22.1 66.1

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Reviewed By :Mahesh Dadoda 07/14/2025

Supervised By :Semsettin Yesilyurt 07/14/2025



#85

sec-Butylbenzene

Concen: 71.865 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031797.D

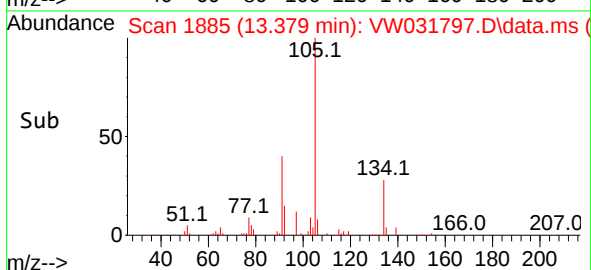
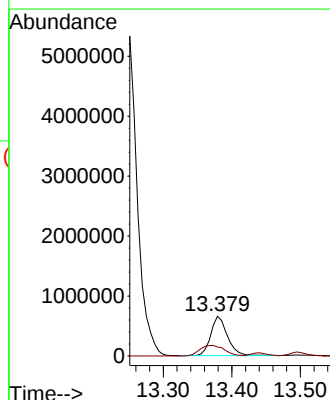
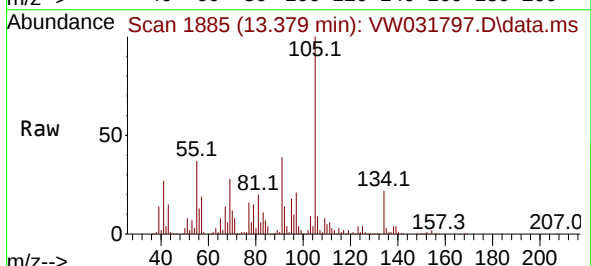
Acq: 10 Jul 2025 13:03

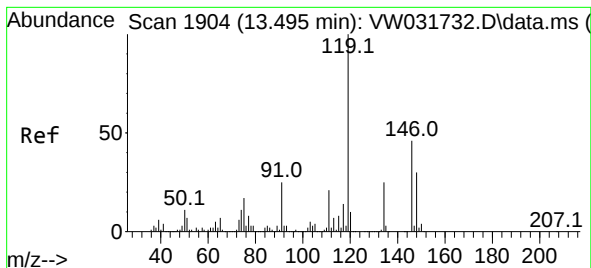
Tgt Ion:105 Resp: 1105459

Ion Ratio Lower Upper

105 100

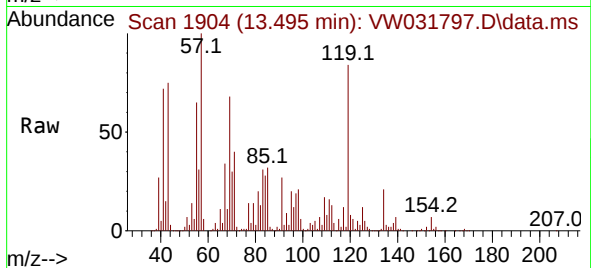
134 39.9 9.6 28.8#





#86
p-Isopropyltoluene
Concen: 32.862 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

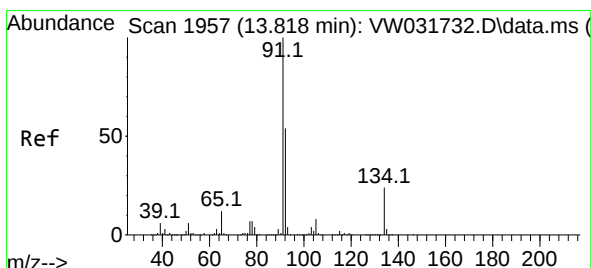
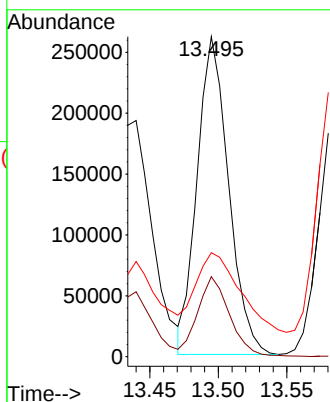
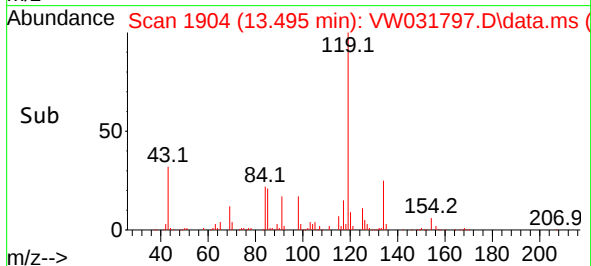
Instrument :
MSVOA_W
ClientSampleId :
GPX6



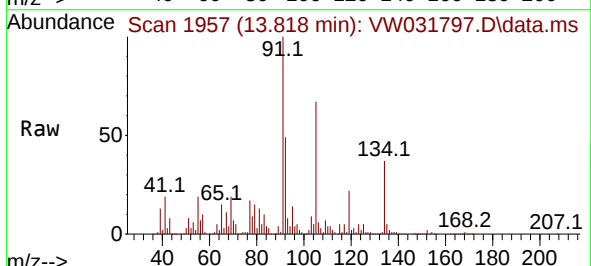
Tgt Ion:119 Resp: 416603
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 34.9 12.7 38.0

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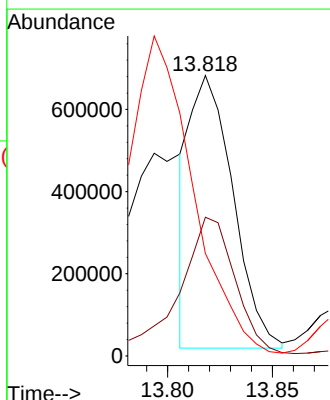
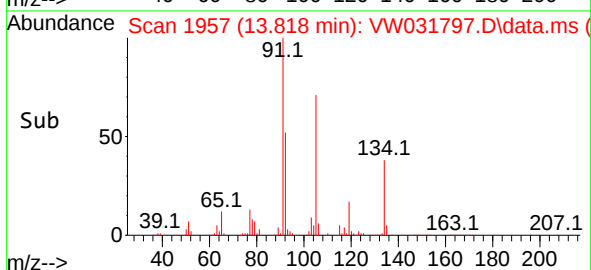
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

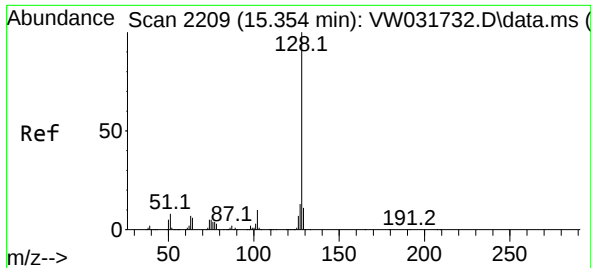


#89
n-Butylbenzene
Concen: 77.005 ug/l m
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03



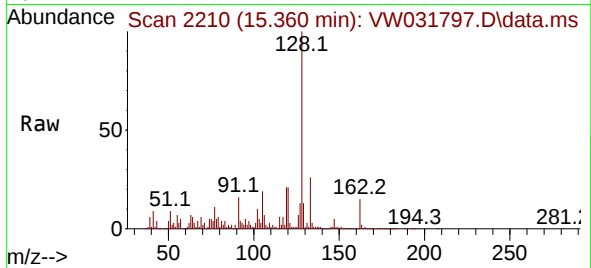
Tgt Ion: 91 Resp: 948503
Ion Ratio Lower Upper
91 100
92 65.4 27.2 81.5
134 0.0 12.2 36.6#





#95
Naphthalene
Concen: 105.146 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion:128 Resp: 939389
Ion Ratio Lower Upper
128 100
127 12.3 10.8 16.2
129 9.4 8.7 13.1

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Supervised By :Semsettin Yesilyurt 07/14/2025

