

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039159.D
 Acq On : 24 Sep 2025 17:45
 Operator : SY/MD
 Sample : Q3172-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB3W

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:20:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	760475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1425712	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1322965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	633449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	568176	51.623	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 103.240%			
35) Dibromofluoromethane	4.503	113	455273	39.722	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 79.440%#			
50) Toluene-d8	7.236	98	1460779	43.394	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 86.780%#			
62) 4-Bromofluorobenzene	10.001	95	579961	41.850	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 83.700%#			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	3.838	96	5864m	0.436	ug/l	
44) Trichloroethene	5.844	130	19090	1.466	ug/l	94
65) Chlorobenzene	8.805	112	275255	7.470	ug/l	98
68) m/p-Xylenes	9.079	106	7655	0.356	ug/l #	71
69) o-Xylene	9.477	106	5154	0.270	ug/l	84
73) Isopropylbenzene	9.860	105	38307	0.834	ug/l	100
78) n-propylbenzene	10.284	91	33331	0.596	ug/l	97
79) 2-Chlorotoluene	10.355	91	73921	2.208	ug/l	99
84) 1,2,4-Trimethylbenzene	10.853	105	10685	0.288	ug/l	97
85) sec-Butylbenzene	11.014	105	20567	0.407	ug/l	98
89) n-Butylbenzene	11.587	91	13015m	0.324	ug/l	

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

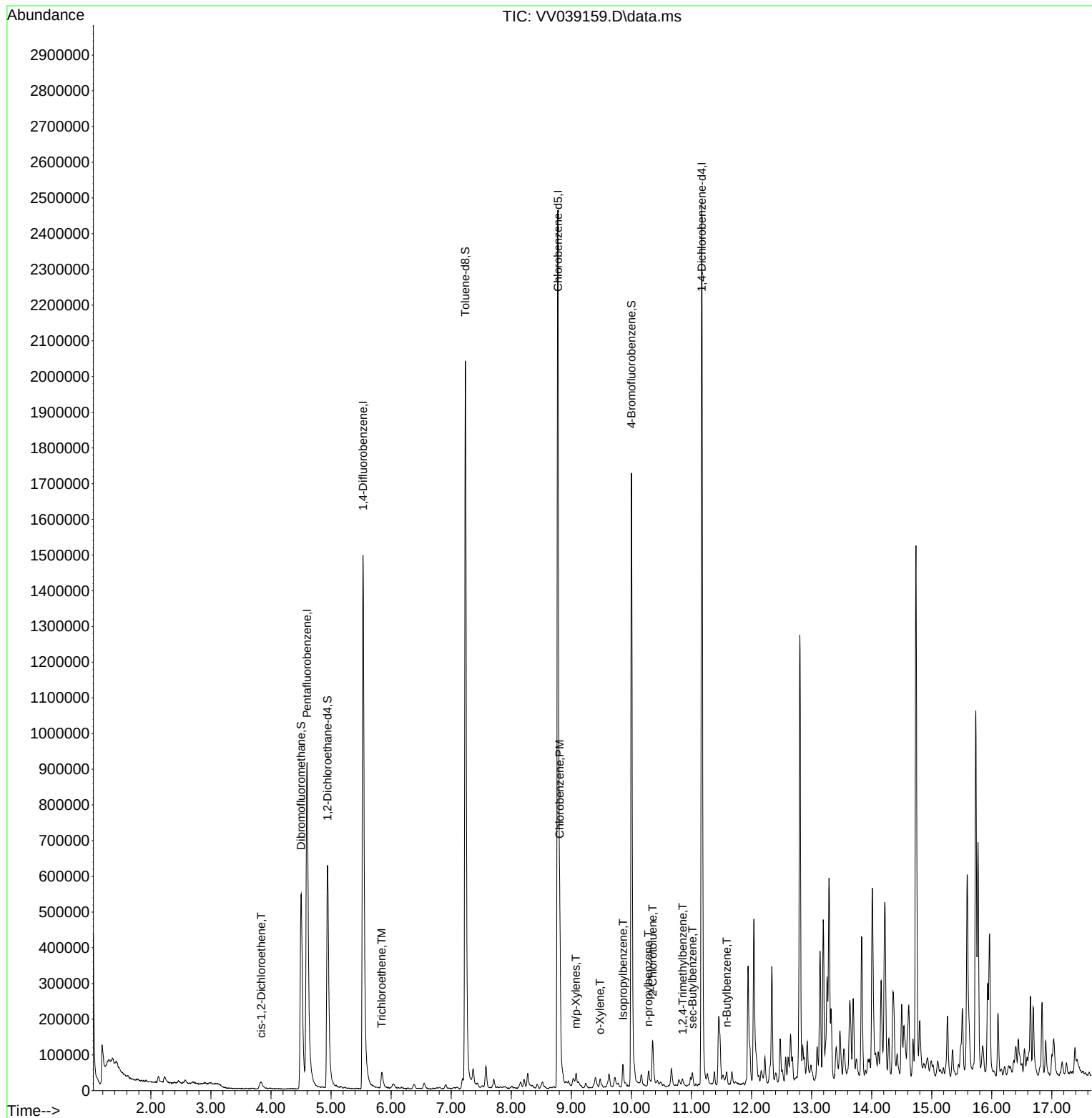
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039159.D
Acq On : 24 Sep 2025 17:45
Operator : SY/MD
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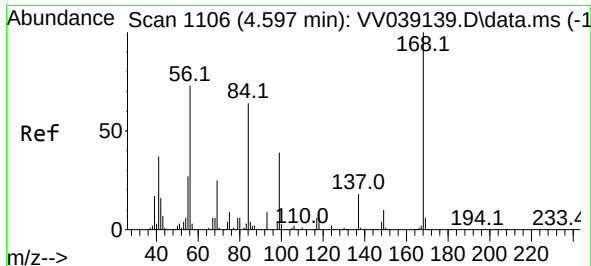
Instrument :
MSVOA_V
ClientSampleId :
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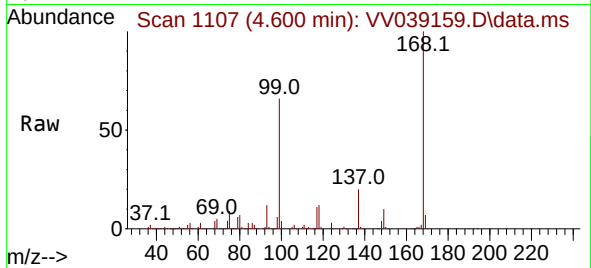
Quant Time: Sep 25 08:20:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

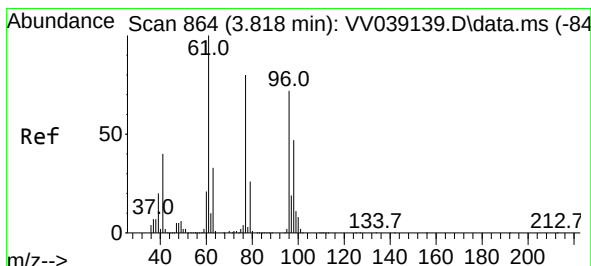
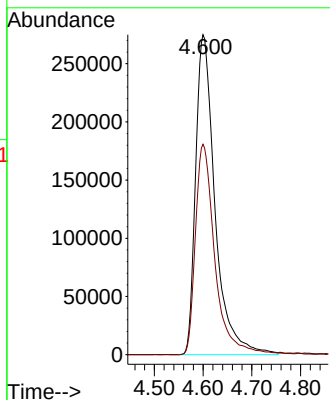
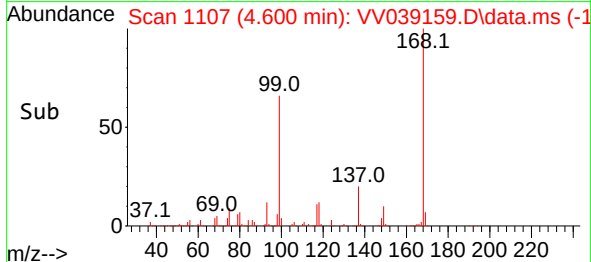
Instrument :
MSVOA_V
ClientSampleId :
GB3W



Tgt Ion:168 Resp: 760475
Ion Ratio Lower Upper
168 100
99 65.7 49.6 74.4

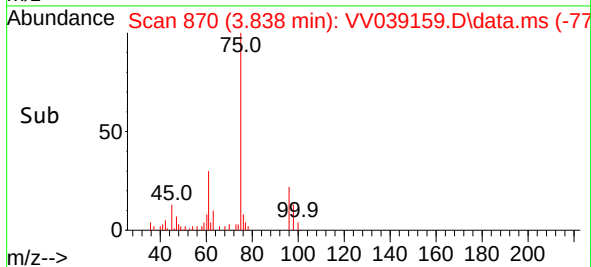
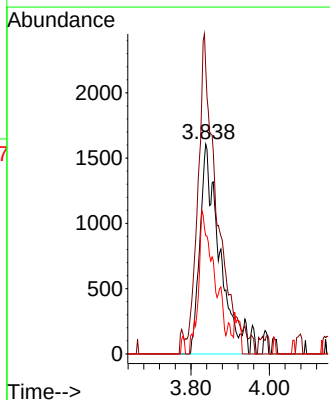
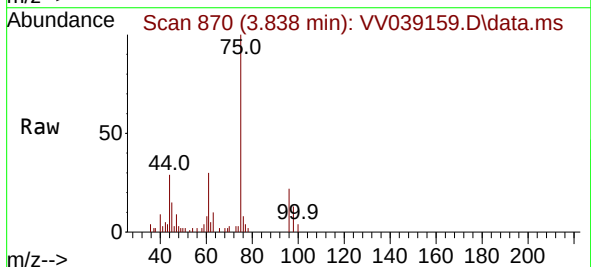
Manual Integrations
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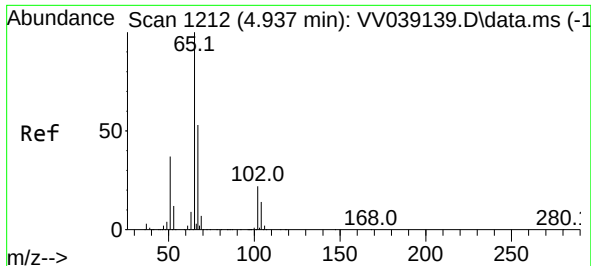
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#27
cis-1,2-Dichloroethene
Concen: 0.436 ug/l m
RT: 3.838 min Scan# 870
Delta R.T. 0.019 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

Tgt Ion: 96 Resp: 5864
Ion Ratio Lower Upper
96 100
61 127.2 0.0 286.4
98 44.0 0.0 126.6





#33

1,2-Dichloroethane-d4

Concen: 51.623 ug/l

RT: 4.941 min Scan# 1212

Delta R.T. 0.003 min

Lab File: VV039159.D

Acq: 24 Sep 2025 17:45

Instrument :

MSVOA_V

ClientSampleId :

GB3W

Tgt Ion: 65 Resp: 568170

Ion Ratio Lower Upper

65 100

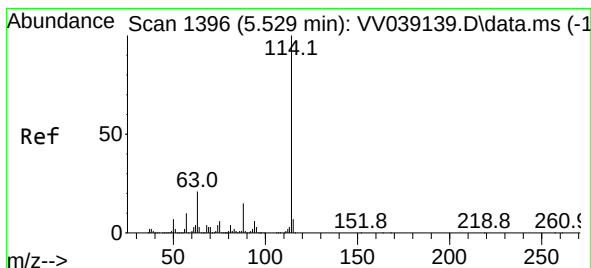
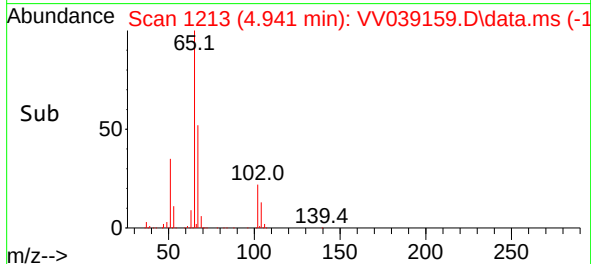
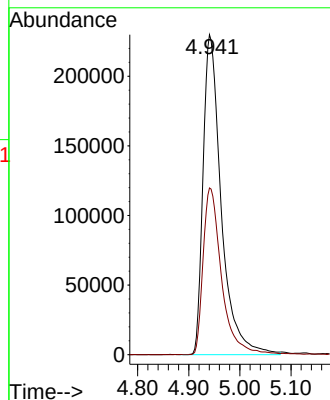
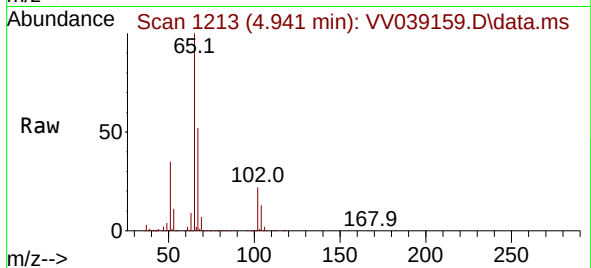
67 52.9 0.0 107.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV039159.D

Acq: 24 Sep 2025 17:45

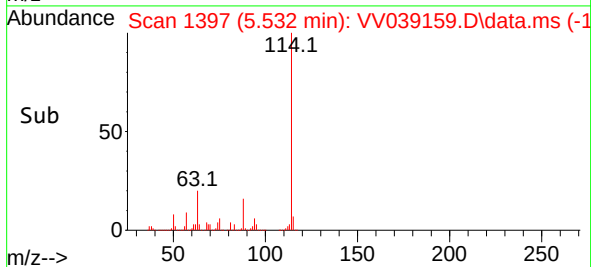
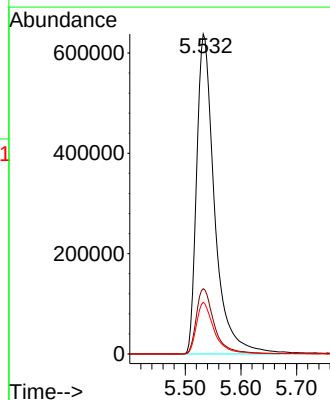
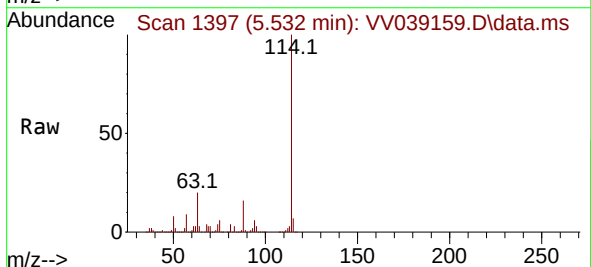
Tgt Ion:114 Resp: 1425712

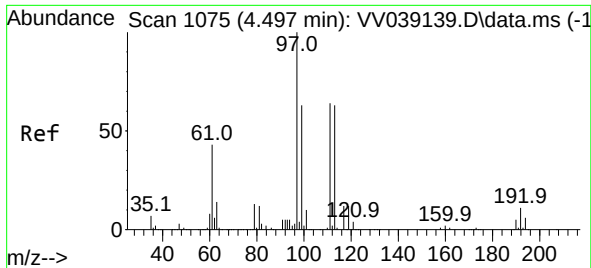
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

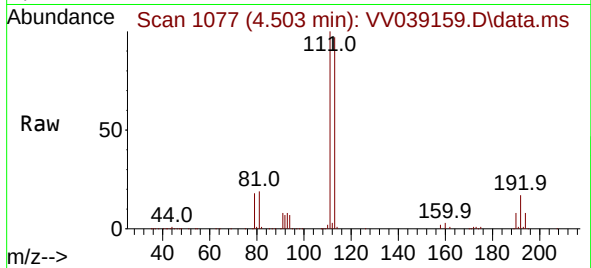
88 16.1 0.0 30.8





#35
Dibromofluoromethane
Concen: 39.722 ug/l
RT: 4.503 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

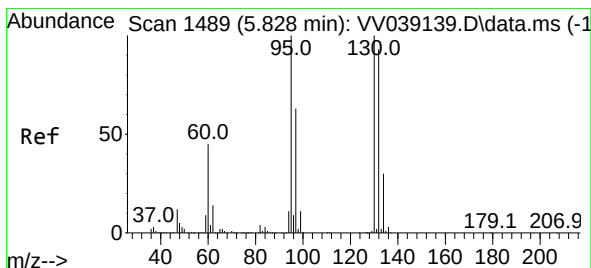
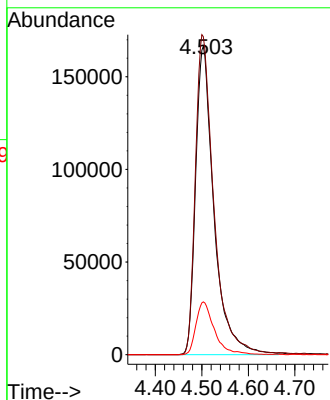
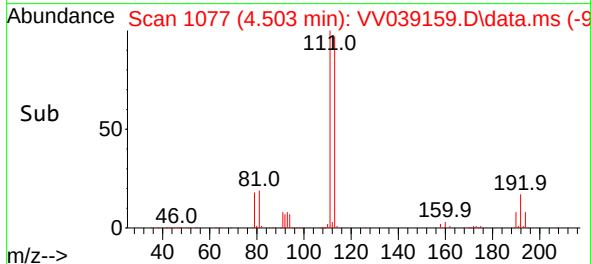
Instrument :
MSVOA_V
ClientSampleId :
GB3W



Tgt Ion:113 Resp: 45527
Ion Ratio Lower Upper
113 100
111 104.3 82.4 123.6
192 17.2 13.8 20.8

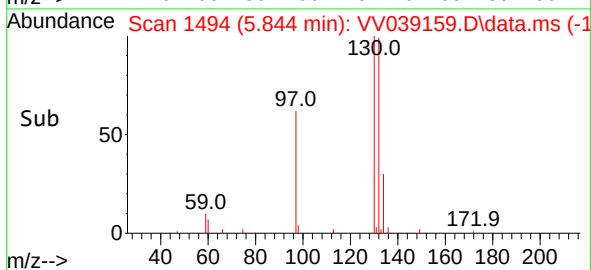
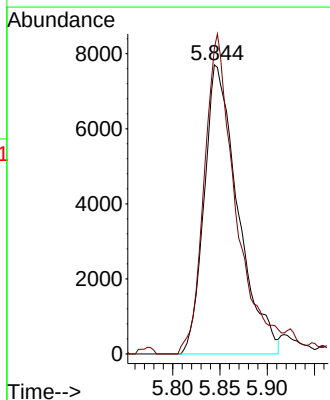
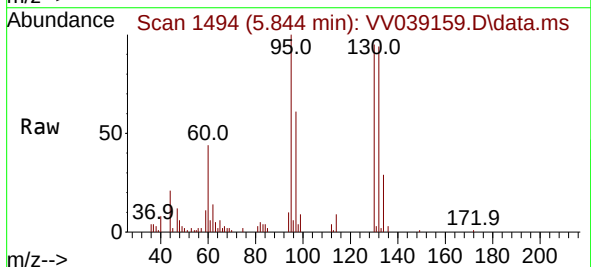
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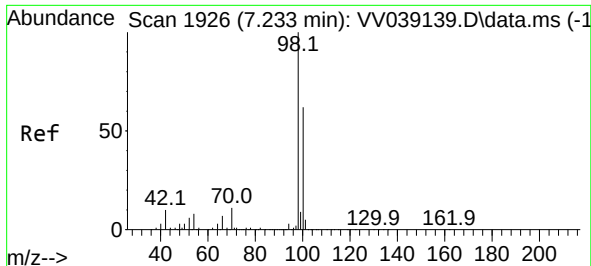
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#44
Trichloroethene
Concen: 1.466 ug/l
RT: 5.844 min Scan# 1494
Delta R.T. 0.016 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

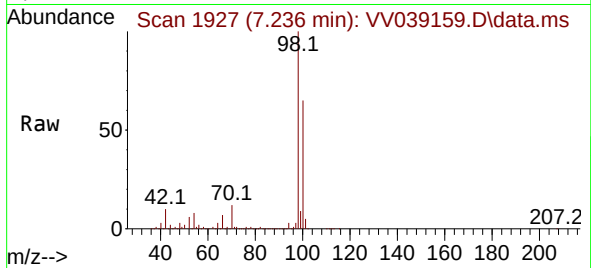
Tgt Ion:130 Resp: 19090
Ion Ratio Lower Upper
130 100
95 105.7 0.0 199.2





#50
Toluene-d8
Concen: 43.394 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

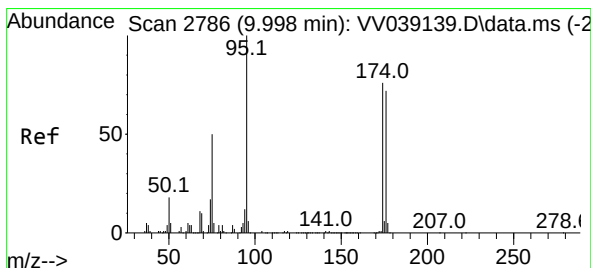
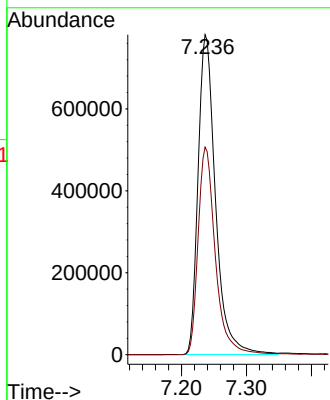
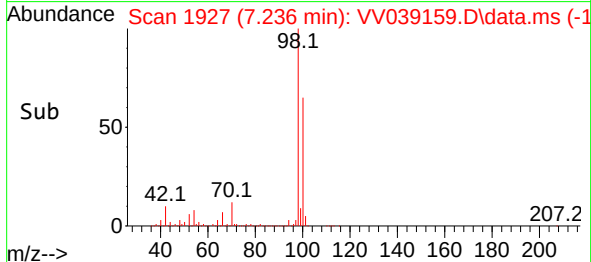
Instrument :
MSVOA_V
ClientSampleId :
GB3W



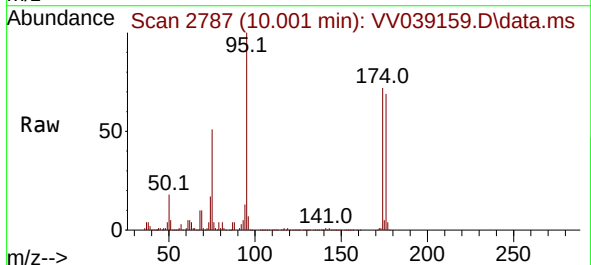
Tgt Ion: 98 Resp: 1460779
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2

Manual Integrations
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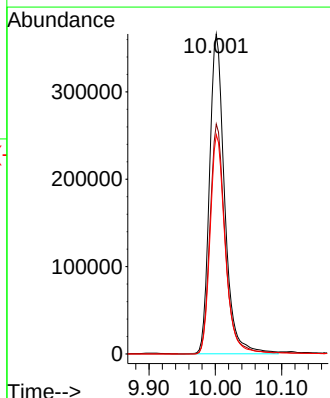
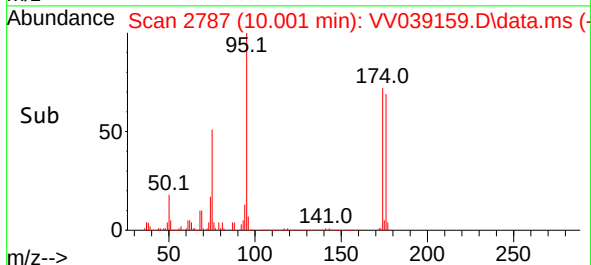
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

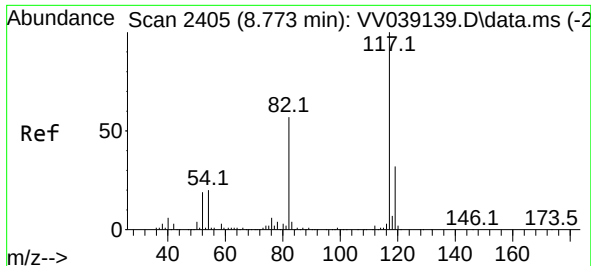


#62
4-Bromofluorobenzene
Concen: 41.850 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45



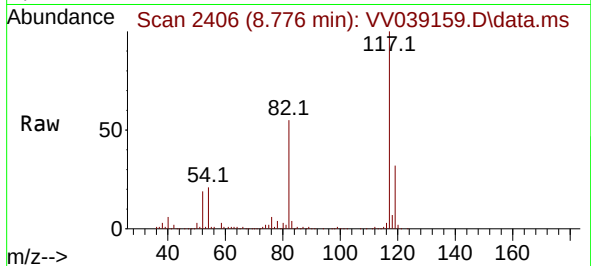
Tgt Ion: 95 Resp: 579961
Ion Ratio Lower Upper
95 100
174 72.5 0.0 150.4
176 69.0 0.0 144.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

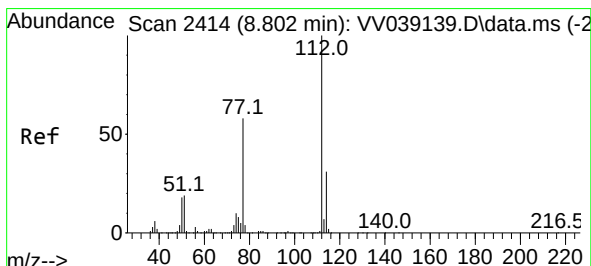
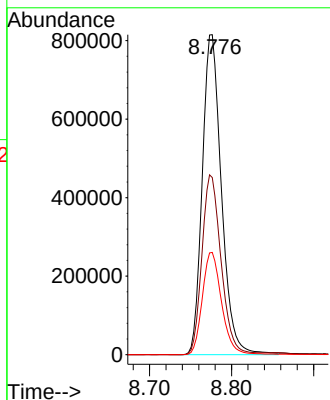
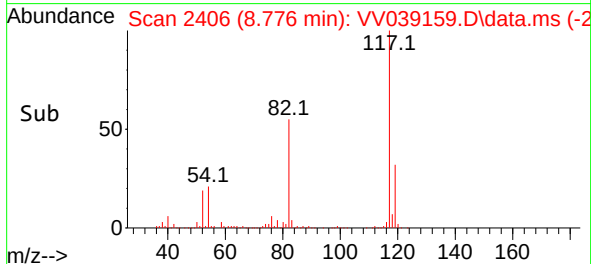
Instrument :
MSVOA_V
ClientSampleId :
GB3W



Tgt Ion:117 Resp: 132296
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.2
119 31.9 25.6 38.4

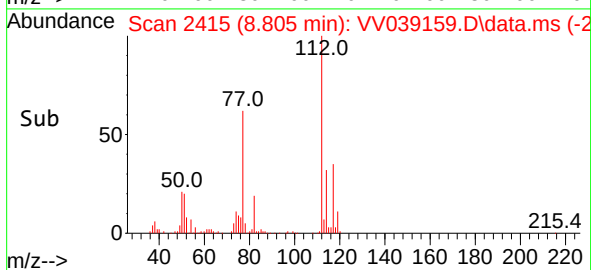
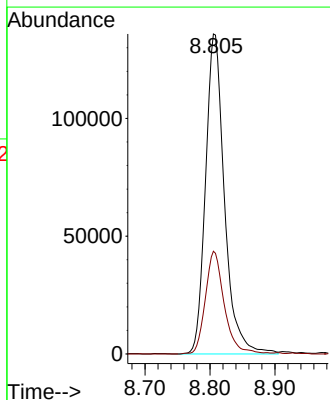
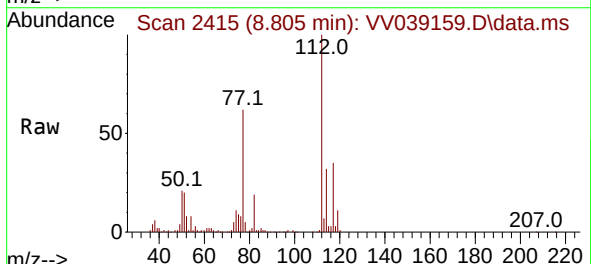
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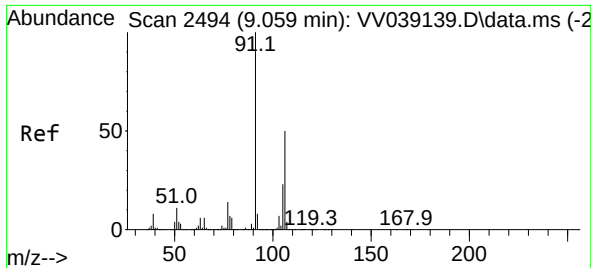
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#65
Chlorobenzene
Concen: 7.470 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.003 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

Tgt Ion:112 Resp: 275255
Ion Ratio Lower Upper
112 100
114 32.1 24.6 37.0





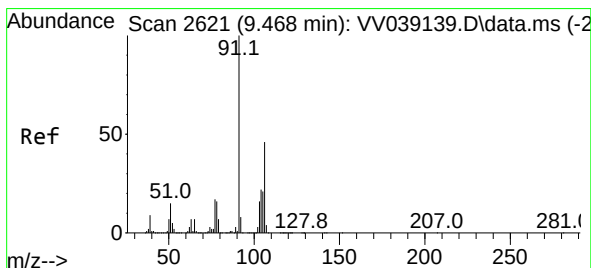
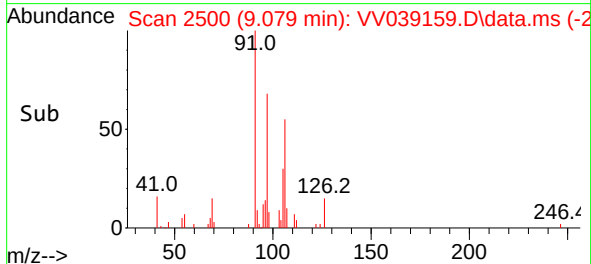
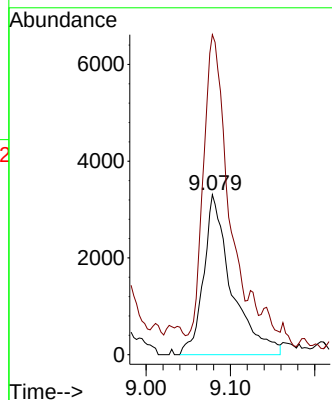
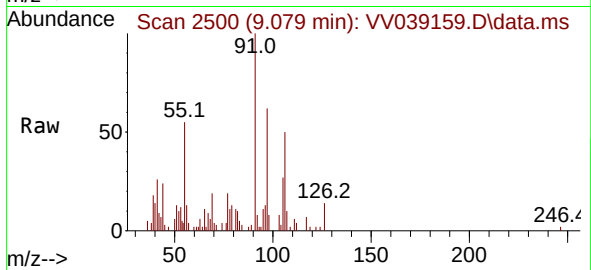
#68
m/p-Xylenes
Concen: 0.356 ug/l
RT: 9.079 min Scan# 2494
Delta R.T. 0.020 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

Instrument :
MSVOA_V
ClientSampleId :
GB3W

Tgt Ion:106 Resp: 765
Ion Ratio Lower Upper
106 100
91 158.0 162.5 243.7

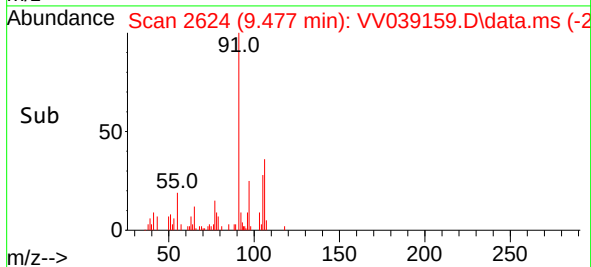
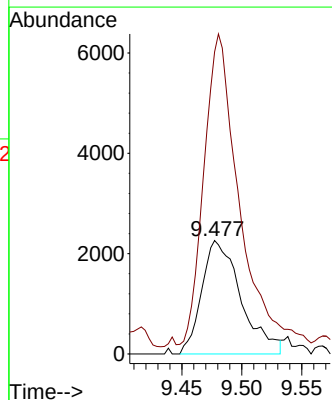
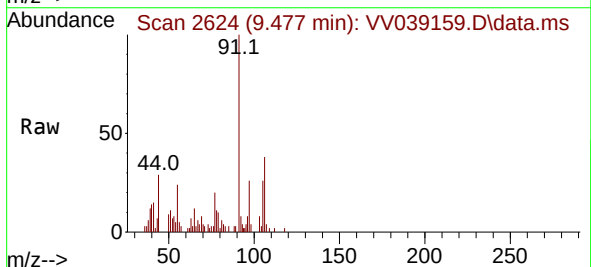
Manual Integrations
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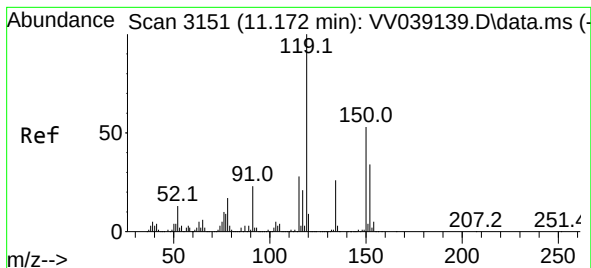
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#69
o-Xylene
Concen: 0.270 ug/l
RT: 9.477 min Scan# 2624
Delta R.T. 0.010 min
Lab File: VV039159.D
Acq: 24 Sep 2025 17:45

Tgt Ion:106 Resp: 5154
Ion Ratio Lower Upper
106 100
91 244.6 109.1 327.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039159.D

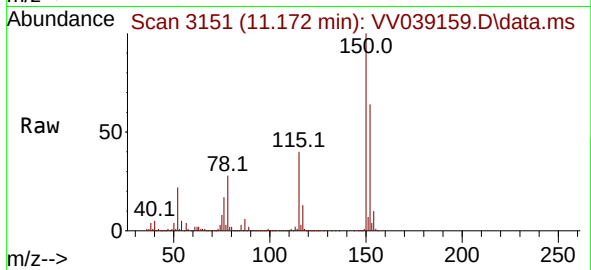
Acq: 24 Sep 2025 17:45

Instrument :

MSVOA_V

ClientSampleId :

GB3W



Tgt Ion:152 Resp: 633449

Ion Ratio Lower Upper

152 100

115 62.6 44.8 134.4

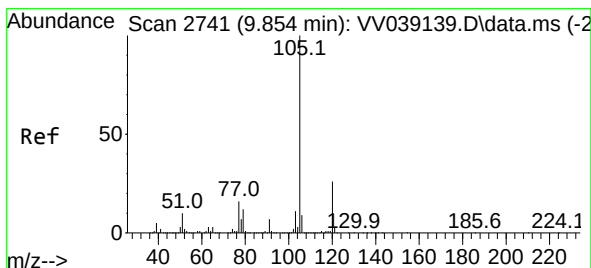
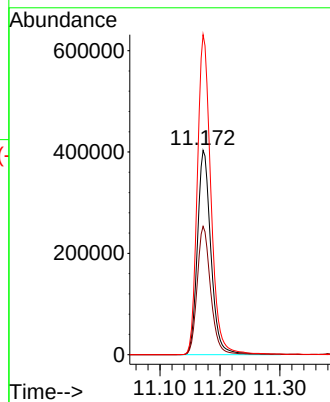
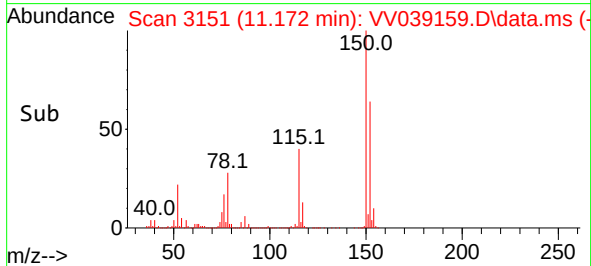
150 156.9 0.0 353.8

Manual Integrations

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#73

Isopropylbenzene

Concen: 0.834 ug/l

RT: 9.860 min Scan# 2743

Delta R.T. 0.006 min

Lab File: VV039159.D

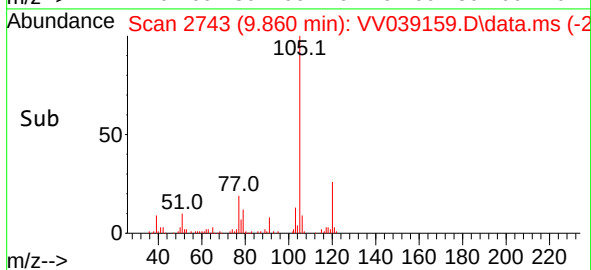
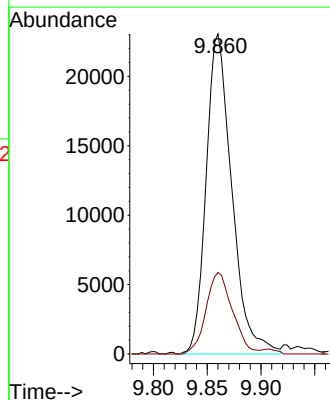
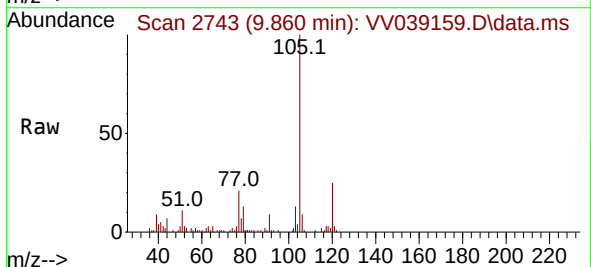
Acq: 24 Sep 2025 17:45

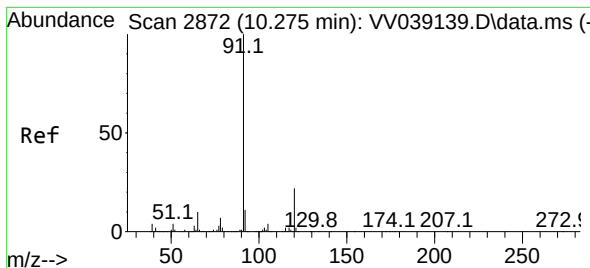
Tgt Ion:105 Resp: 38307

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1





#78

n-propylbenzene

Concen: 0.596 ug/l

RT: 10.284 min Scan# 2875

Delta R.T. 0.010 min

Lab File: VV039159.D

Acq: 24 Sep 2025 17:45

Instrument :

MSVOA_V

ClientSampleId :

GB3W

Tgt Ion: 91 Resp: 3333

Ion Ratio Lower Upper

91 100

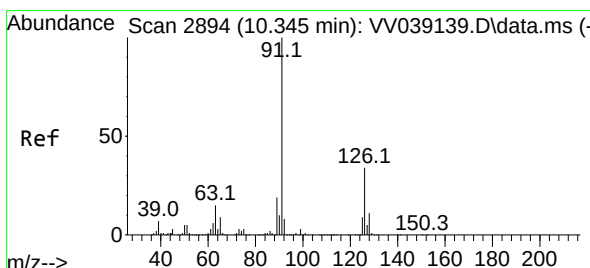
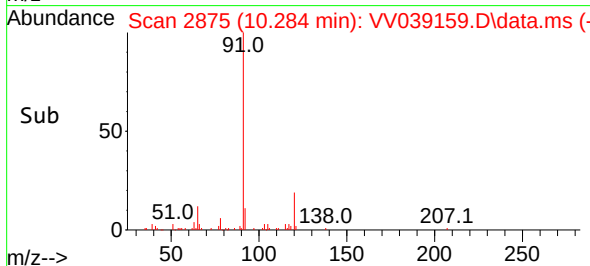
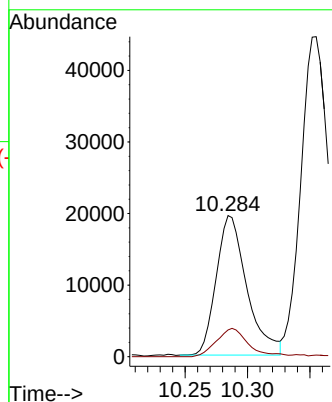
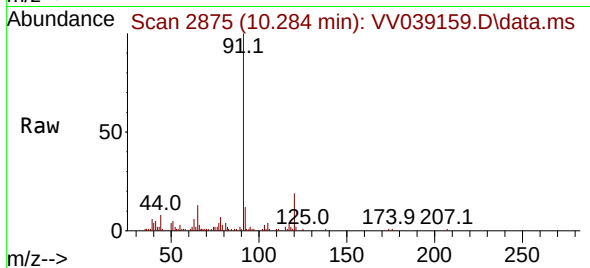
120 21.0 11.1 33.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#79

2-Chlorotoluene

Concen: 2.208 ug/l

RT: 10.355 min Scan# 2897

Delta R.T. 0.010 min

Lab File: VV039159.D

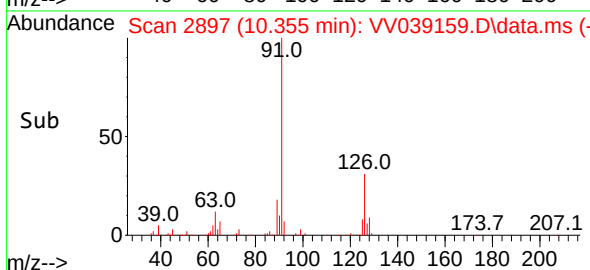
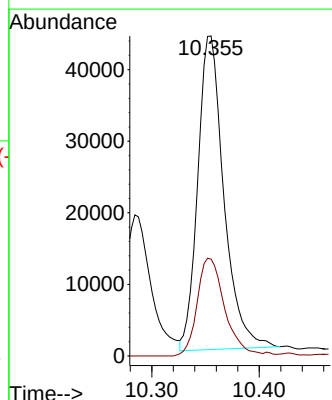
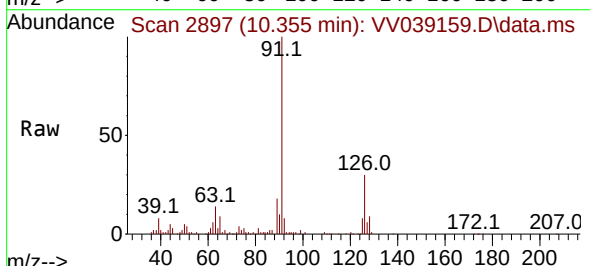
Acq: 24 Sep 2025 17:45

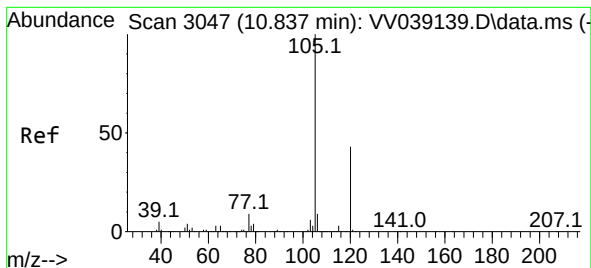
Tgt Ion: 91 Resp: 73921

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.0





#84

1,2,4-Trimethylbenzene

Concen: 0.288 ug/l

RT: 10.853 min Scan# 3047

Delta R.T. 0.016 min

Lab File: VV039159.D

Acq: 24 Sep 2025 17:45

Instrument :

MSVOA_V

ClientSampleId :

GB3W

Tgt Ion:105 Resp: 1068

Ion Ratio Lower Upper

105 100

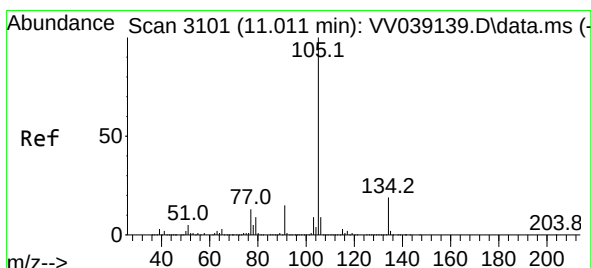
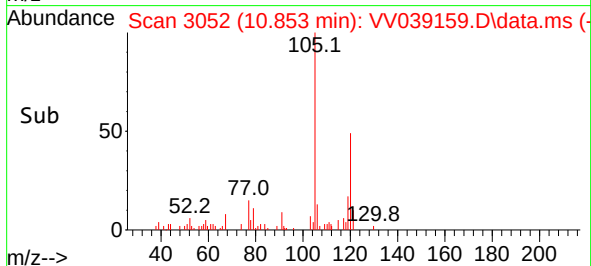
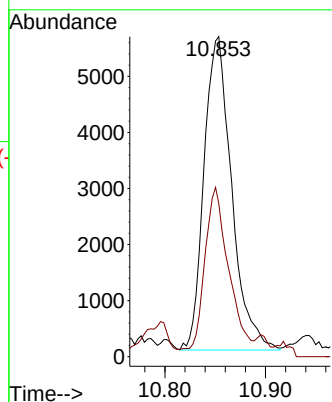
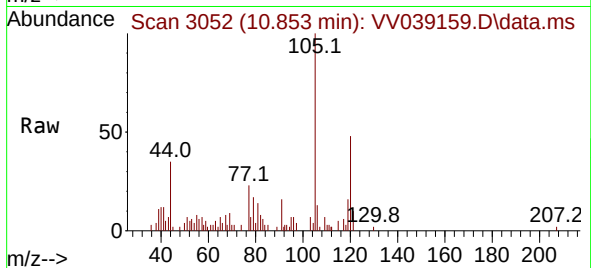
120 42.6 22.4 67.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#85

sec-Butylbenzene

Concen: 0.407 ug/l

RT: 11.014 min Scan# 3102

Delta R.T. 0.003 min

Lab File: VV039159.D

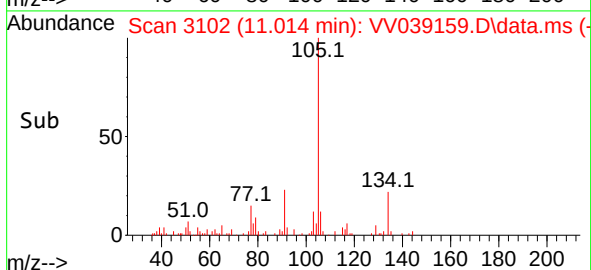
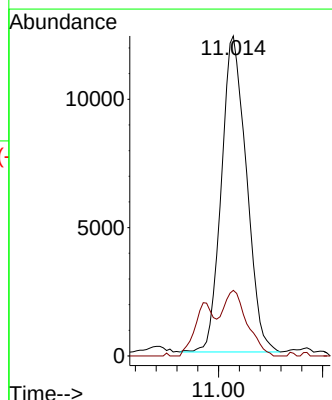
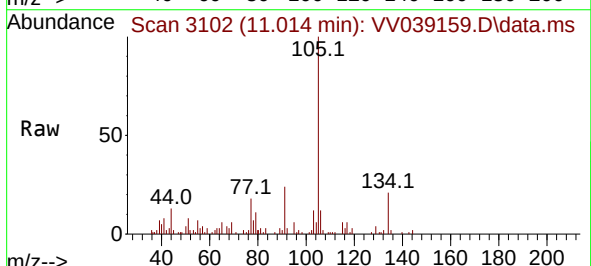
Acq: 24 Sep 2025 17:45

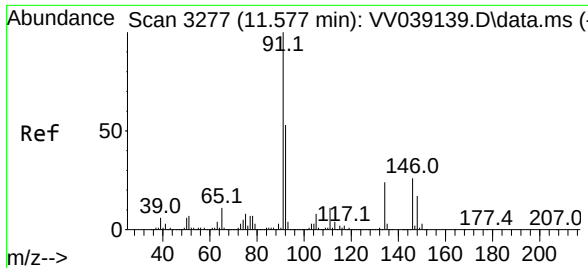
Tgt Ion:105 Resp: 20567

Ion Ratio Lower Upper

105 100

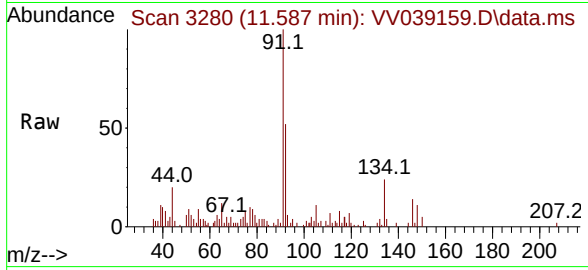
134 20.3 9.6 28.8





#89
 n-Butylbenzene
 Concen: 0.324 ug/l m
 RT: 11.587 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VV039159.D
 Acq: 24 Sep 2025 17:45

Instrument :
 MSVOA_V
 ClientSampleId :
 GB3W



Tgt Ion:	91	Resp:	1301
Ion Ratio	Lower	Upper	
91	100		
92	68.6	26.6	79.8
134	25.6	12.1	36.3

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

