

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039175.D
 Acq On : 25 Sep 2025 12:55
 Operator : SY/MD
 Sample : Q3175-02DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW4DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 01:25:29 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	560555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1013068	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	987441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	548334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	442857	54.587	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.180%			
35) Dibromofluoromethane	4.503	113	397640	48.825	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.640%			
50) Toluene-d8	7.236	98	1138170	47.583	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	10.001	95	477707	48.512	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.020%			
Target Compounds					Qvalue	
31) Cyclohexane	4.590	56	88730	6.132	ug/l #	85
39) Methylcyclohexane	6.050	83	106117	7.136	ug/l	96
40) Benzene	5.011	78	2259910	56.362	ug/l	99
52) Toluene	7.320	92	56174	2.416	ug/l	94
67) Ethyl Benzene	8.937	91	1097863	26.369	ug/l	100
68) m/p-Xylenes	9.063	106	1299190	80.850	ug/l	100
69) o-Xylene	9.471	106	82647	5.809	ug/l	99
73) Isopropylbenzene	9.860	105	102681	2.582	ug/l	99
78) n-propylbenzene	10.281	91	321661	6.642	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	387119	11.711	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	1210229	37.710	ug/l	99
85) sec-Butylbenzene	11.017	105	25782m	0.590	ug/l	
86) p-Isopropyltoluene	11.172	119	14766m	0.406	ug/l	
89) n-Butylbenzene	11.574	91	38955m	1.121	ug/l	
95) Naphthalene	13.429	128	248885	6.885	ug/l	100

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

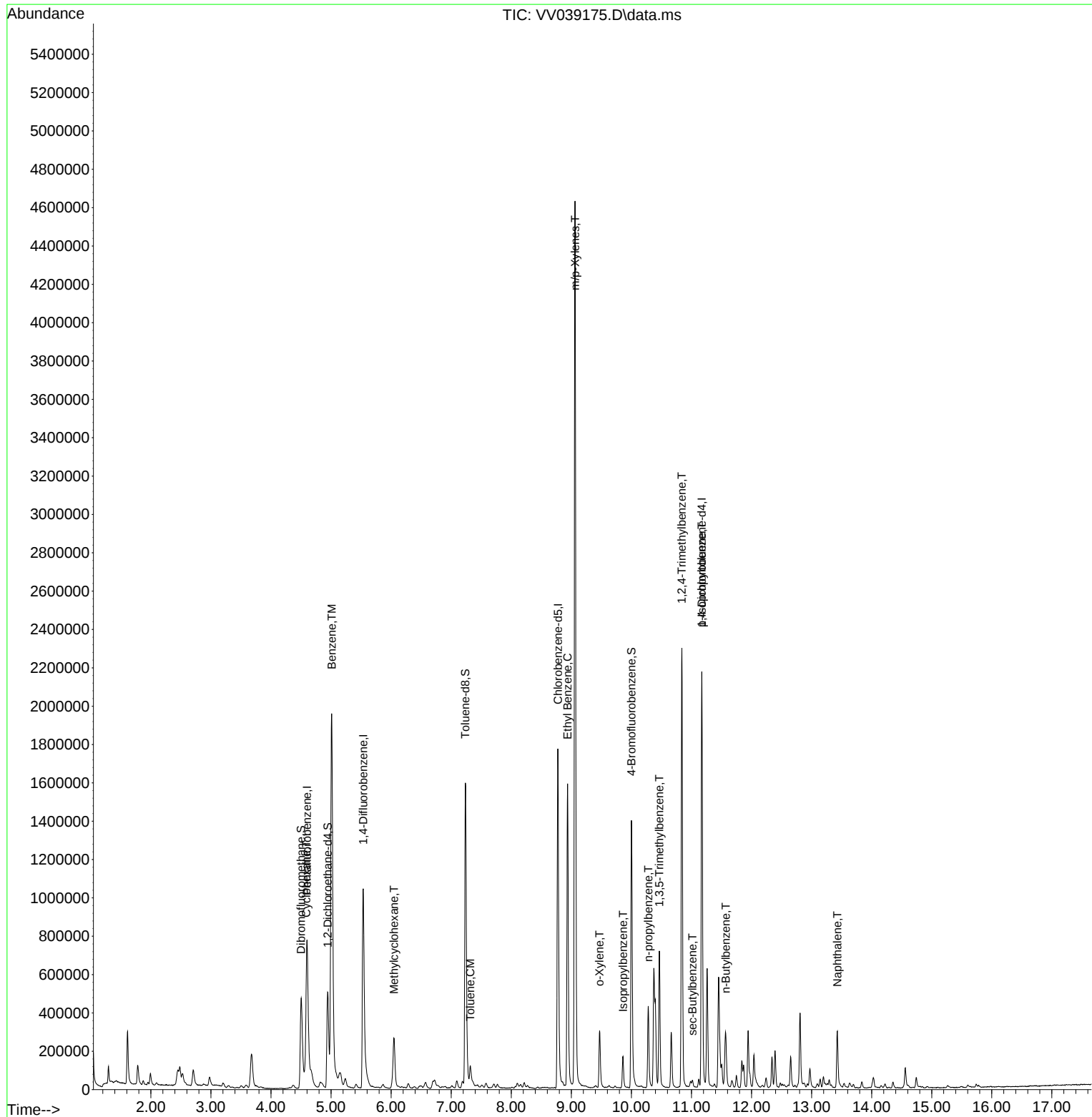
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039175.D
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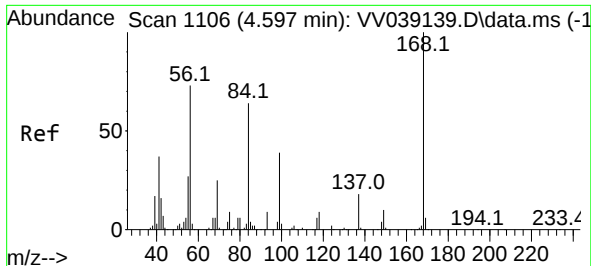
Instrument :
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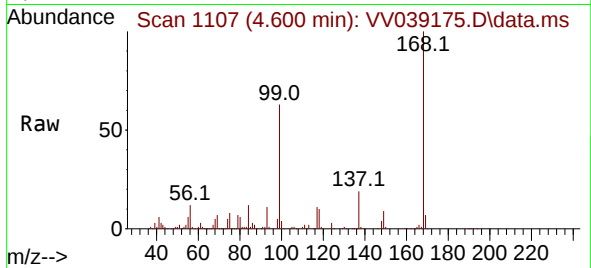
Quant Time: Sep 26 01:25:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

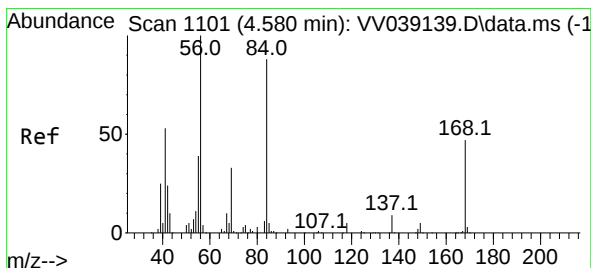
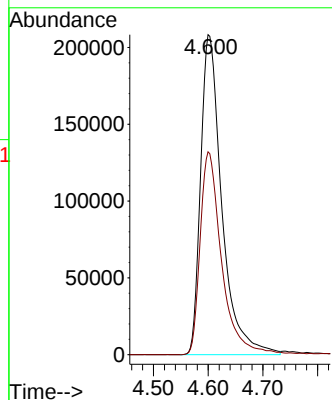
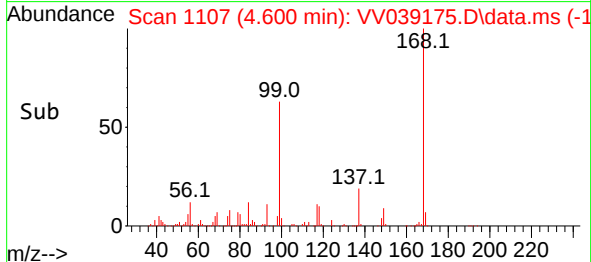
Instrument :
MSVOA_V
ClientSampleId :
MW4DL



Tgt Ion:168 Resp: 56055
Ion Ratio Lower Upper
168 100
99 63.4 49.6 74.4

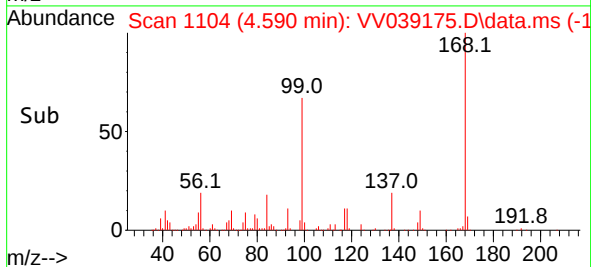
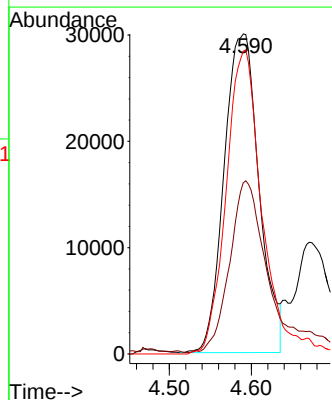
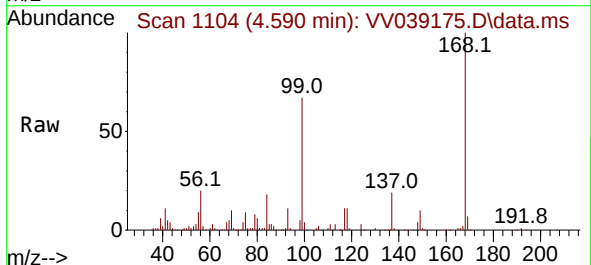
Manual Integrations
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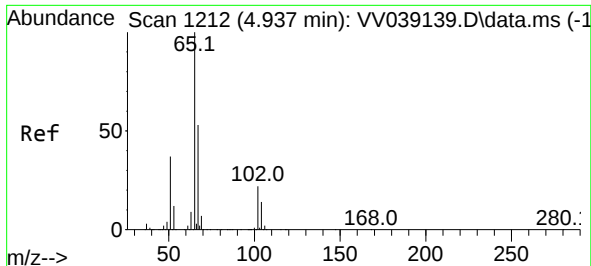
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#31
Cyclohexane
Concen: 6.132 ug/l
RT: 4.590 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

Tgt Ion: 56 Resp: 88730
Ion Ratio Lower Upper
56 100
69 52.9 26.2 39.2#
84 95.1 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 54.587 ug/l

RT: 4.944 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

Instrument :

MSVOA_V

ClientSampleId :

MW4DL

Tgt Ion: 65 Resp: 44285

Ion Ratio Lower Upper

65 100

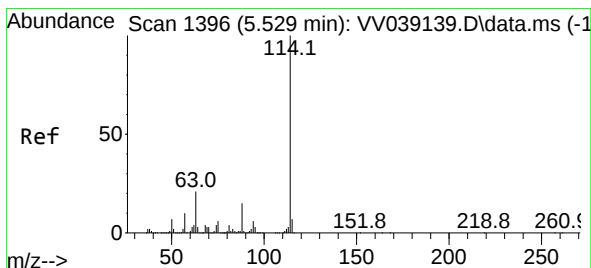
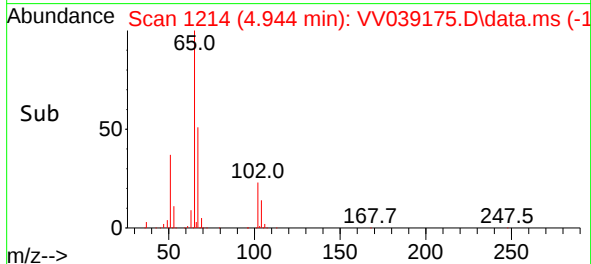
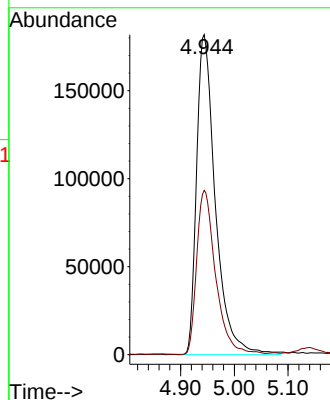
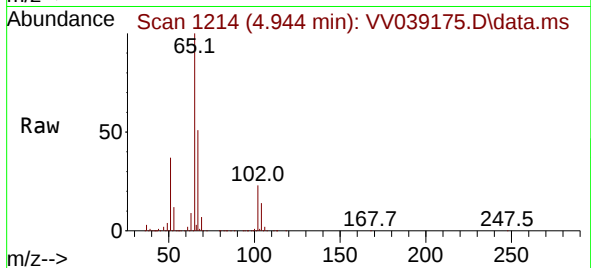
67 51.6 0.0 107.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

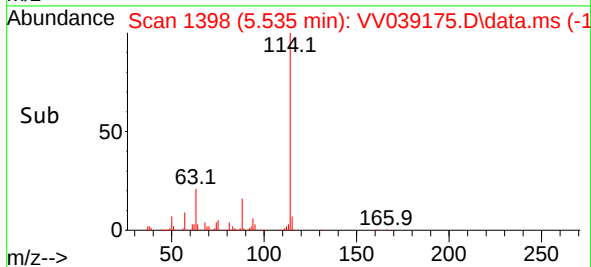
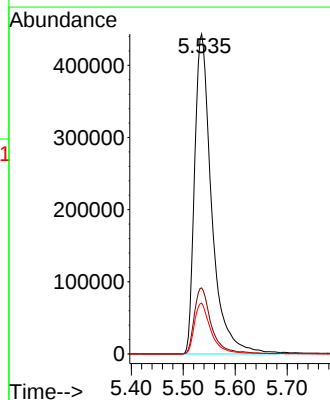
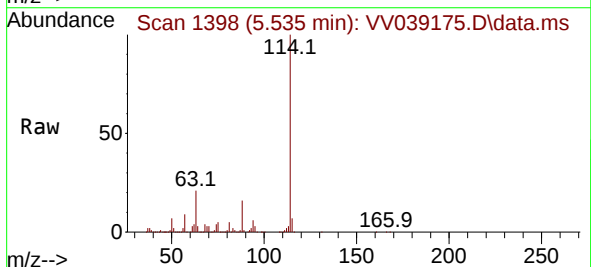
Tgt Ion:114 Resp: 1013068

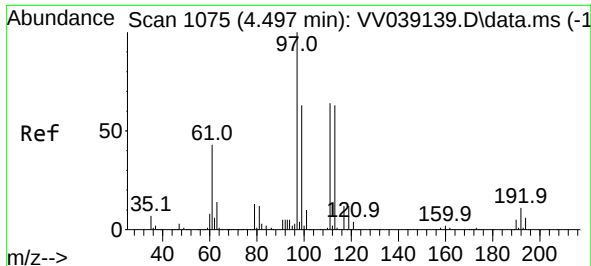
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

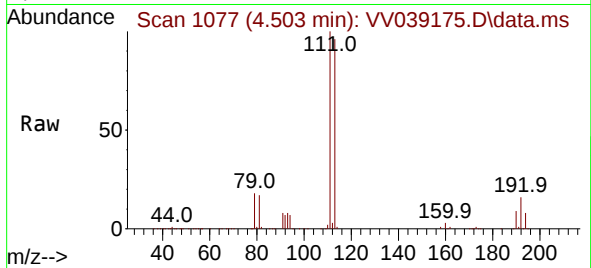
88 15.9 0.0 30.8





#35
Dibromofluoromethane
Concen: 48.825 ug/l
RT: 4.503 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

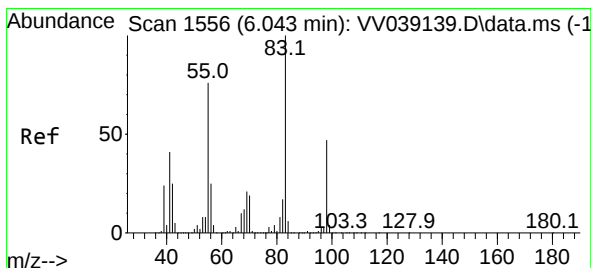
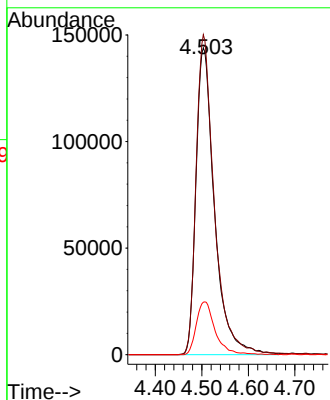
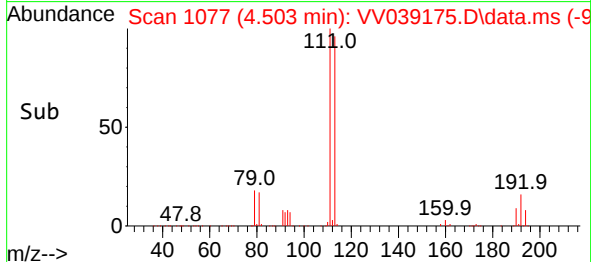
Instrument :
MSVOA_V
ClientSampleId :
MW4DL



Tgt Ion: 113 Resp: 397640
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 17.2 13.8 20.8

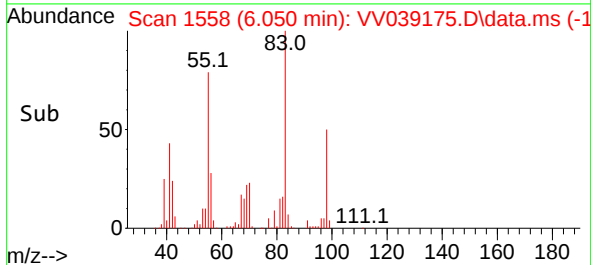
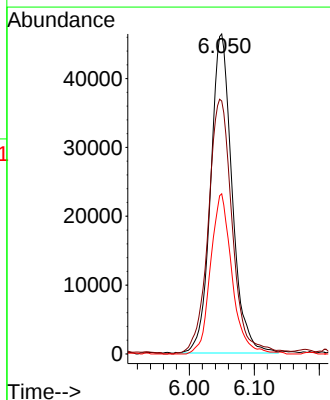
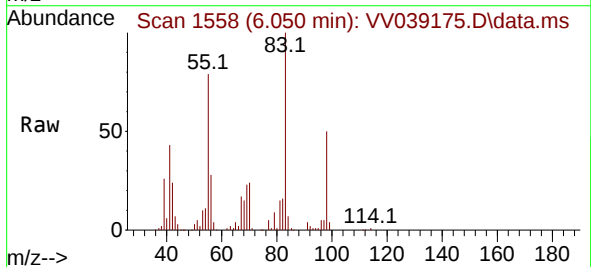
Manual Integrations
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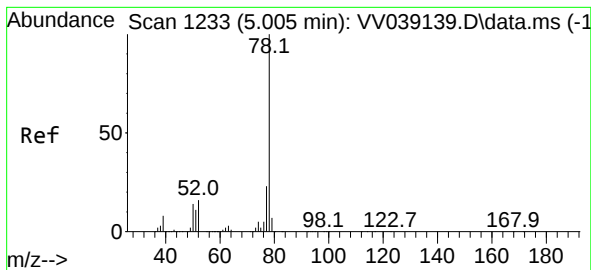
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#39
Methylcyclohexane
Concen: 7.136 ug/l
RT: 6.050 min Scan# 1558
Delta R.T. 0.007 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

Tgt Ion: 83 Resp: 106117
Ion Ratio Lower Upper
83 100
55 78.9 60.5 90.7
98 50.2 37.8 56.6





#40

Benzene

Concen: 56.362 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.006 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

Instrument :

MSVOA_V

ClientSampleId :

MW4DL

Tgt Ion: 78 Resp: 2259910

Ion Ratio Lower Upper

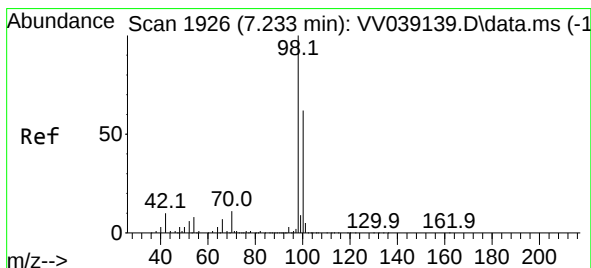
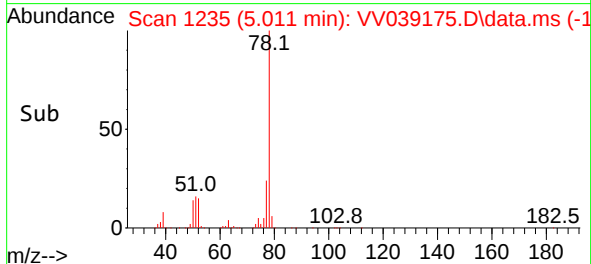
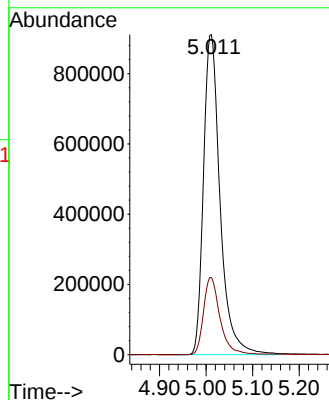
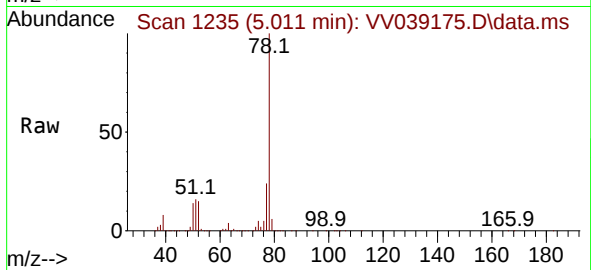
78 100

77 24.1 18.7 28.1

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/29/2025



#50

Toluene-d8

Concen: 47.583 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039175.D

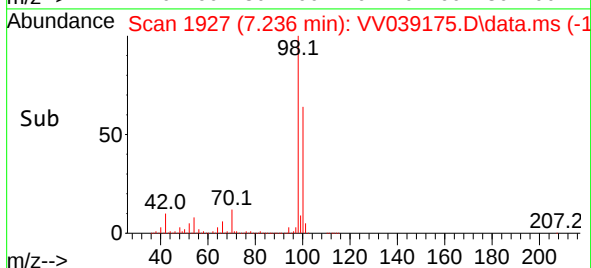
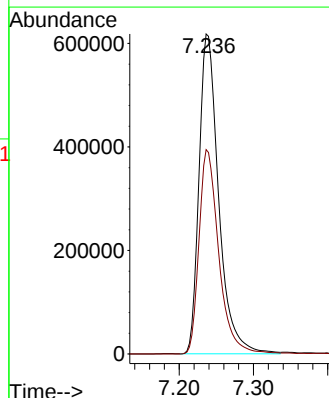
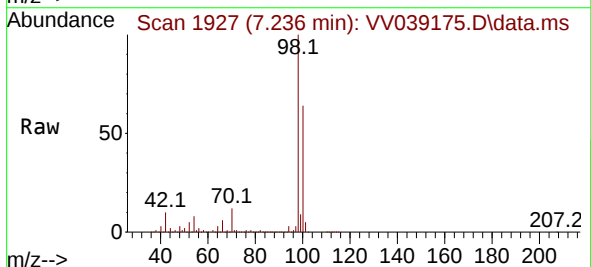
Acq: 25 Sep 2025 12:55

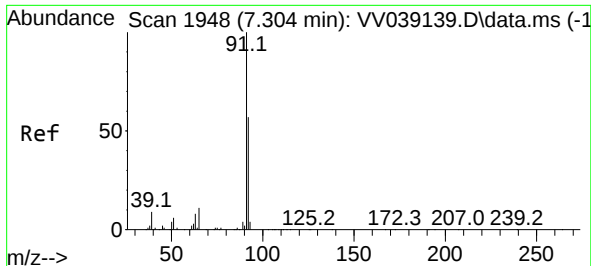
Tgt Ion: 98 Resp: 1138170

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2





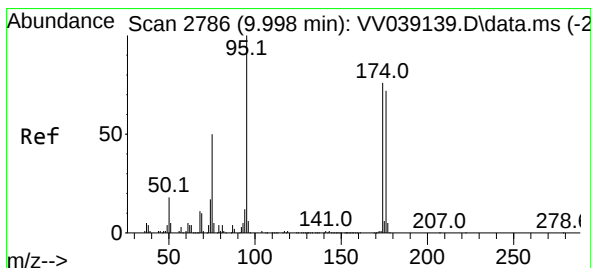
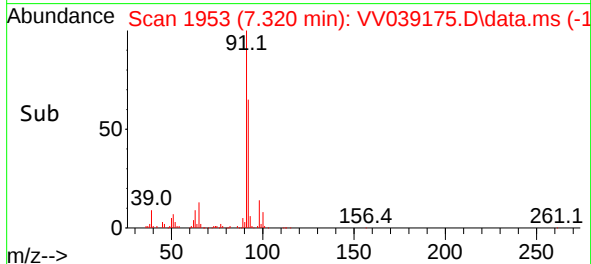
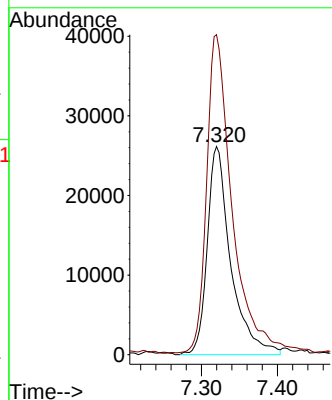
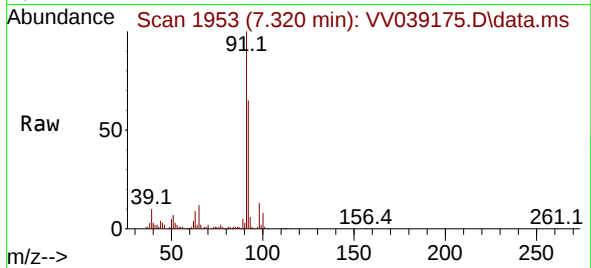
#52
Toluene
Concen: 2.416 ug/l
RT: 7.320 min Scan# 1948
Delta R.T. 0.016 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

Instrument :
MSVOA_V
ClientSampleId :
MW4DL

Tgt Ion: 92 Resp: 56174
Ion Ratio Lower Upper
92 100
91 166.1 139.2 208.8

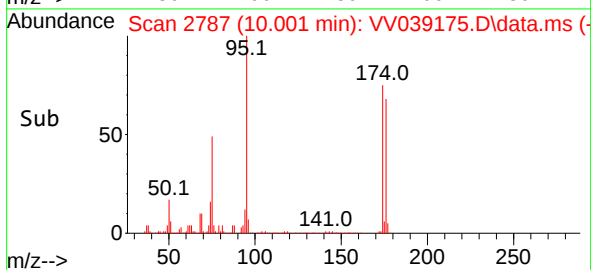
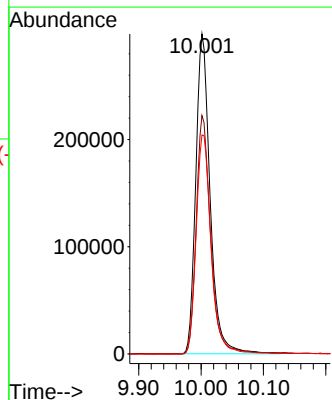
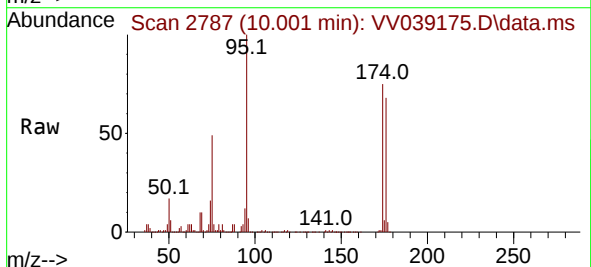
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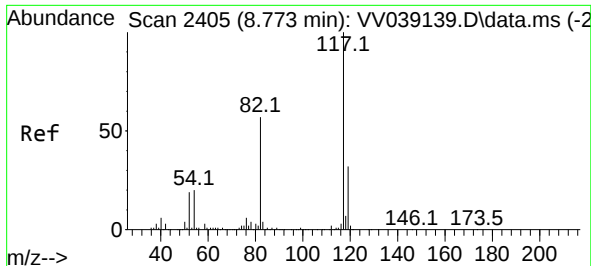
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#62
4-Bromofluorobenzene
Concen: 48.512 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

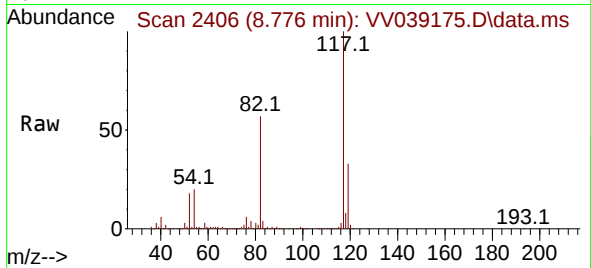
Tgt Ion: 95 Resp: 477707
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.4
176 70.8 0.0 144.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

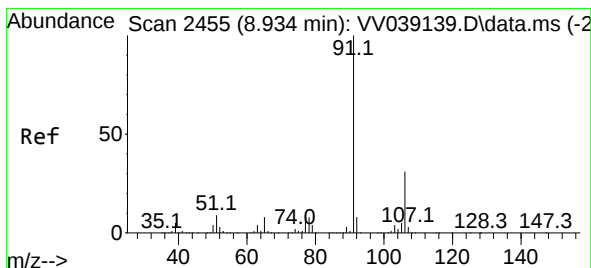
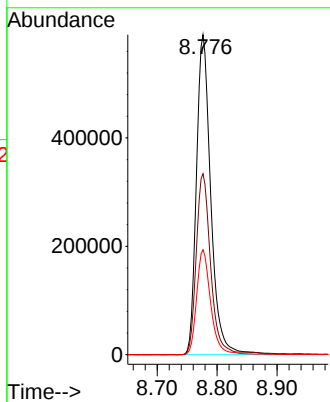
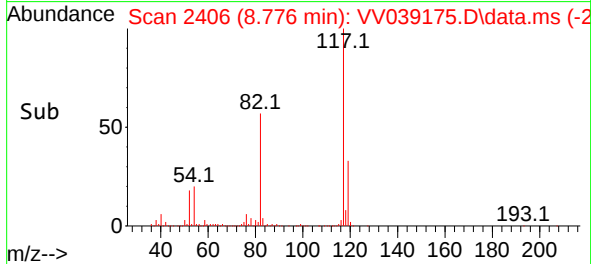
Instrument :
MSVOA_V
ClientSampleId :
MW4DL



Tgt Ion: 117 Resp: 98744
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.2
119 32.8 25.6 38.4

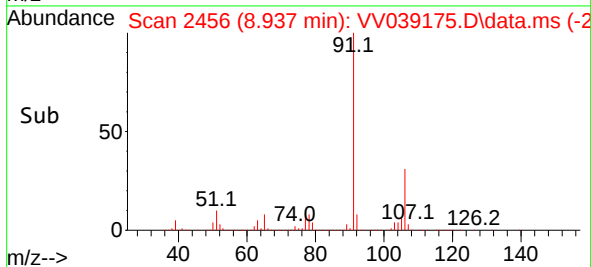
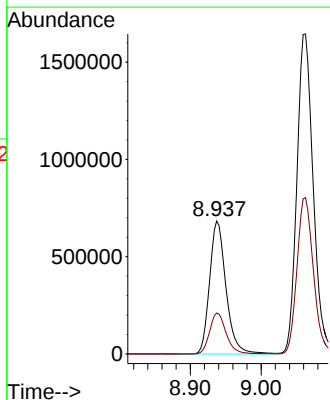
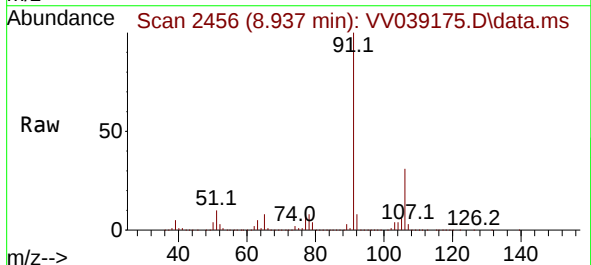
Manual Integrations
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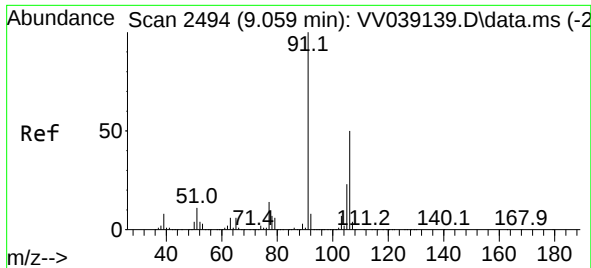
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#67
Ethyl Benzene
Concen: 26.369 ug/l
RT: 8.937 min Scan# 2456
Delta R.T. 0.003 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

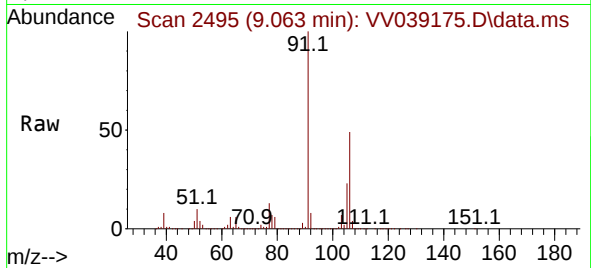
Tgt Ion: 91 Resp: 1097863
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0





#68
m/p-Xylenes
Concen: 80.850 ug/l
RT: 9.063 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

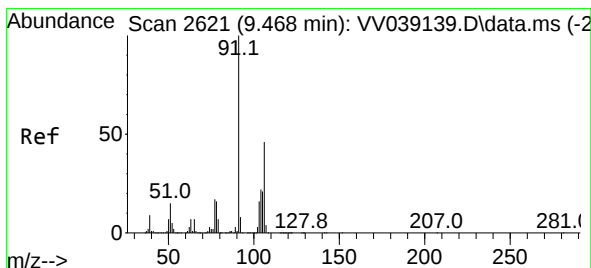
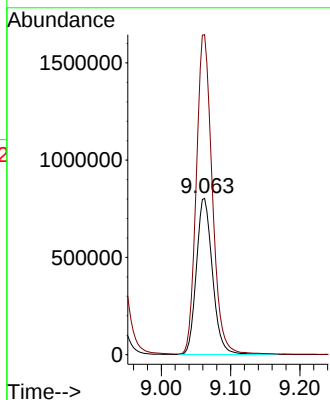
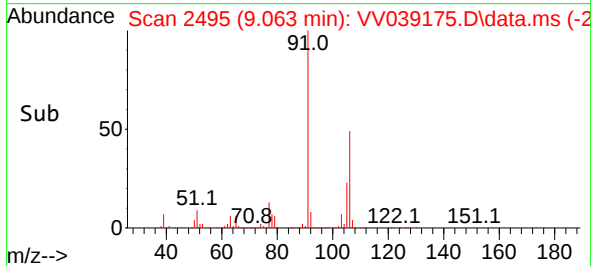
Instrument :
MSVOA_V
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MW4DL



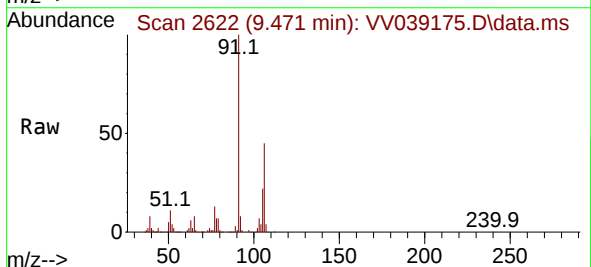
Tgt Ion:106 Resp: 1299190
Ion Ratio Lower Upper
106 100
91 202.8 162.5 243.7

Manual Integrations
APPROVED

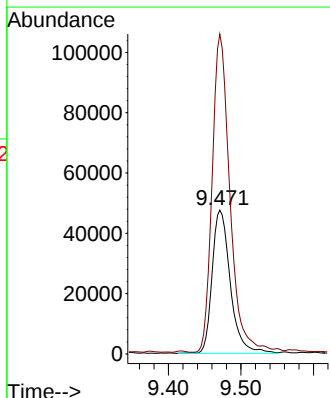
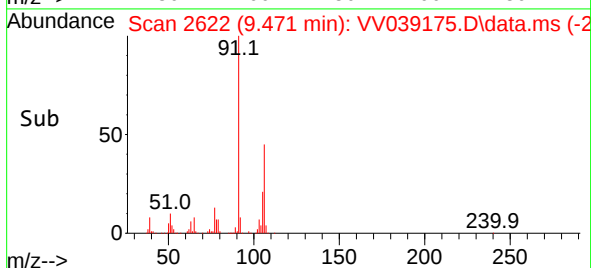
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

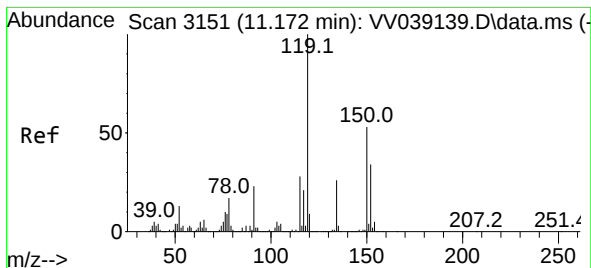


#69
o-Xylene
Concen: 5.809 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55



Tgt Ion:106 Resp: 82647
Ion Ratio Lower Upper
106 100
91 216.7 109.1 327.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

Instrument :

MSVOA_V

ClientSampleId :

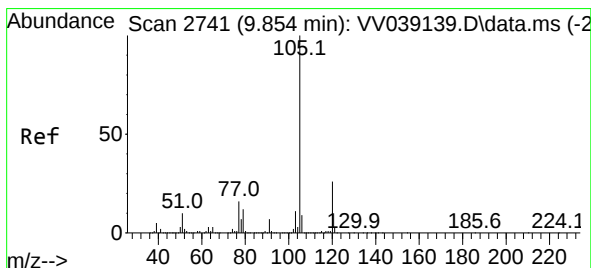
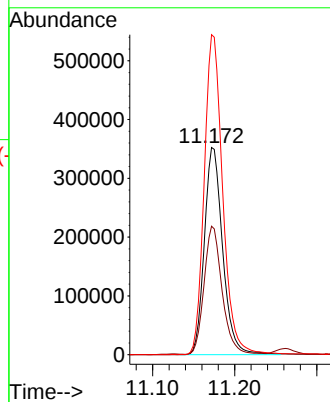
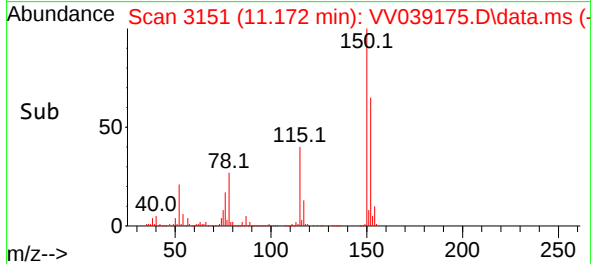
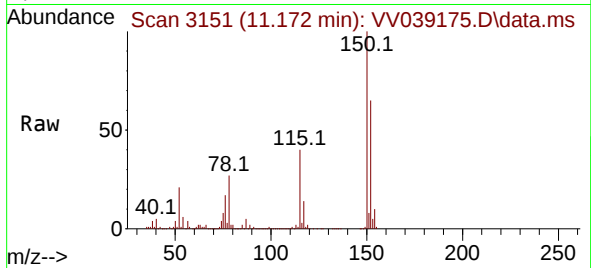
MW4DL

Tgt Ion:	152	Resp:	548334
Ion Ratio	Lower	Upper	
152	100		
115	60.5	44.8	134.4
150	156.2	0.0	353.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#73

Isopropylbenzene

Concen: 2.582 ug/l

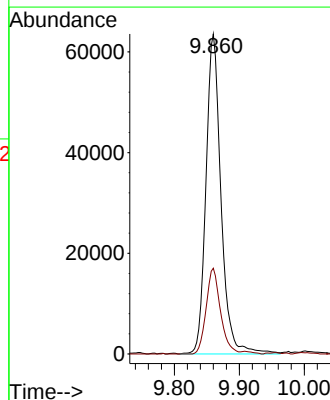
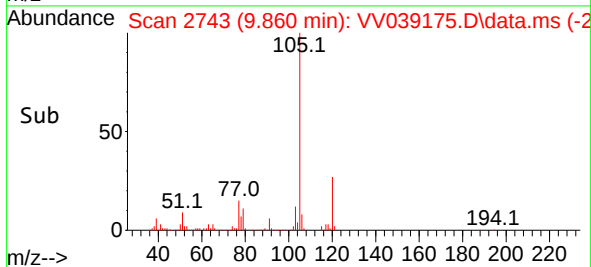
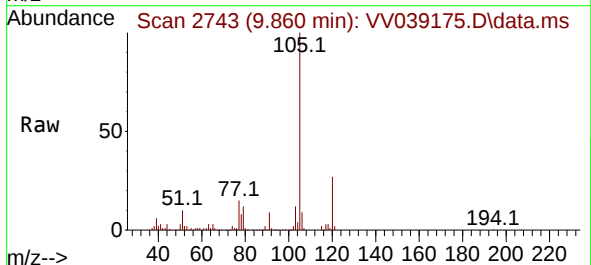
RT: 9.860 min Scan# 2743

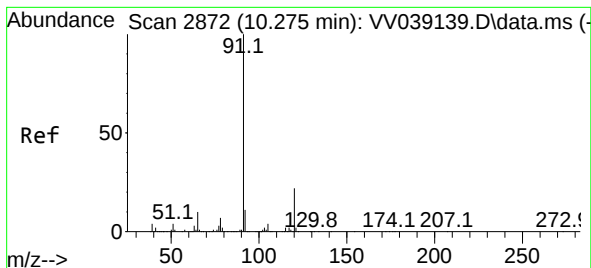
Delta R.T. 0.006 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

Tgt Ion:	105	Resp:	102681
Ion Ratio	Lower	Upper	
105	100		
120	25.5	13.1	39.1





#78

n-propylbenzene

Concen: 6.642 ug/l

RT: 10.281 min Scan# 2874

Delta R.T. 0.006 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

Instrument :

MSVOA_V

ClientSampleId :

MW4DL

Tgt Ion: 91 Resp: 32166

Ion Ratio Lower Upper

91 100

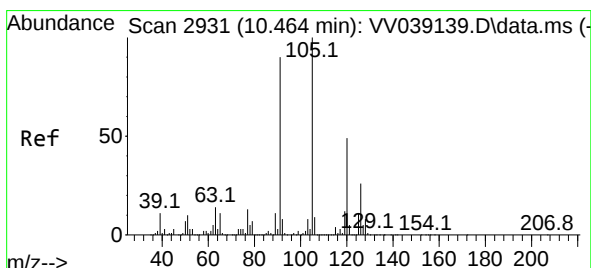
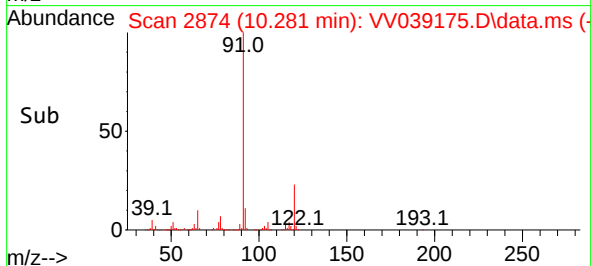
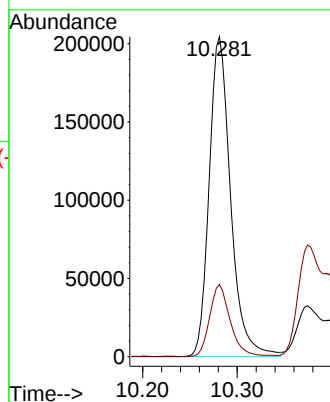
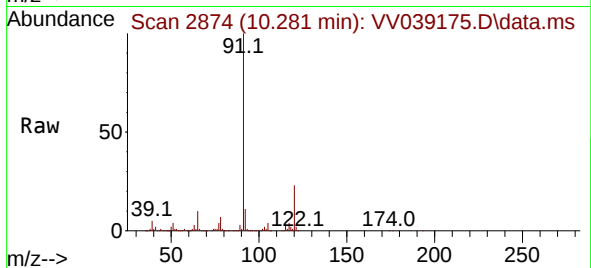
120 21.8 11.1 33.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 11.711 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. -0.000 min

Lab File: VV039175.D

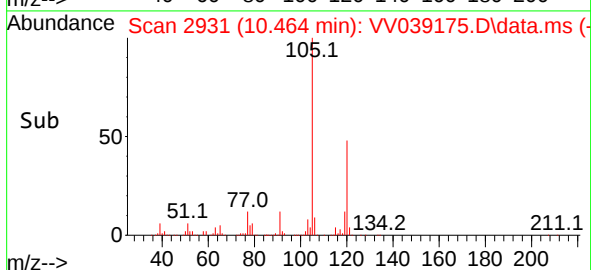
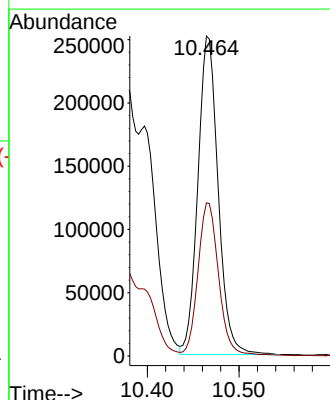
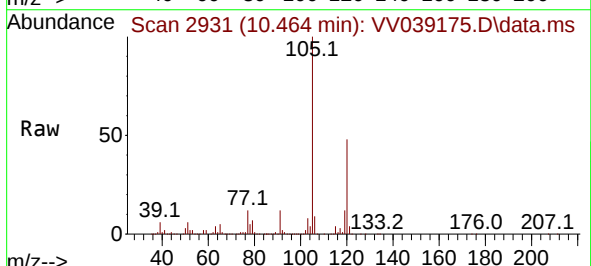
Acq: 25 Sep 2025 12:55

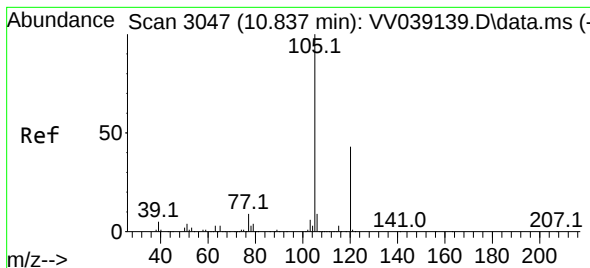
Tgt Ion:105 Resp: 387119

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 37.710 ug/l

RT: 10.841 min Scan# 3047

Delta R.T. 0.003 min

Lab File: VV039175.D

Acq: 25 Sep 2025 12:55

Instrument :

MSVOA_V

ClientSampleId :

MW4DL

Tgt Ion:105 Resp: 1210229

Ion Ratio Lower Upper

105 100

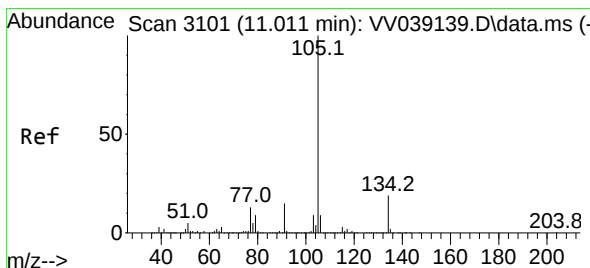
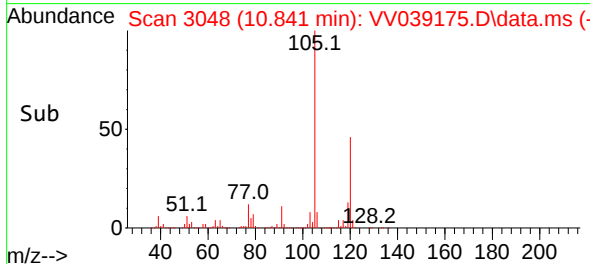
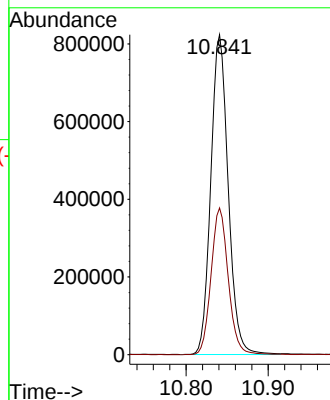
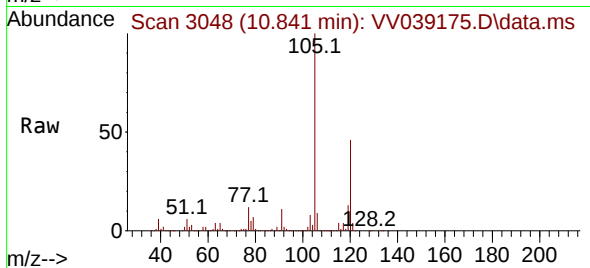
120 45.3 22.4 67.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#85

sec-Butylbenzene

Concen: 0.590 ug/l m

RT: 11.017 min Scan# 3103

Delta R.T. 0.006 min

Lab File: VV039175.D

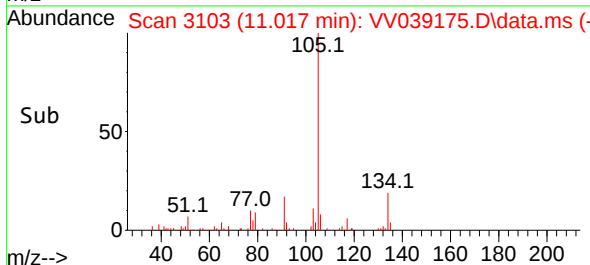
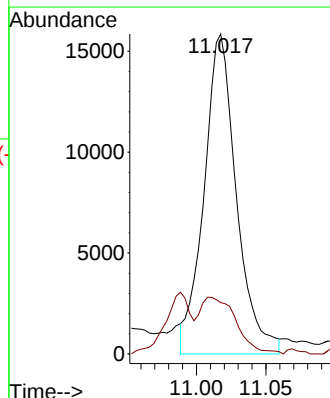
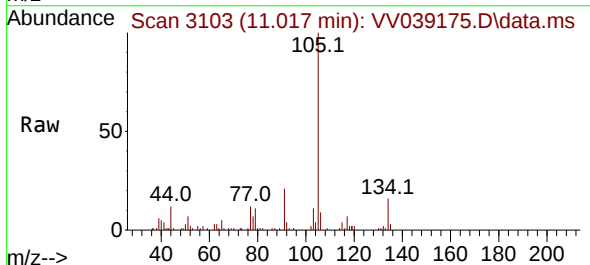
Acq: 25 Sep 2025 12:55

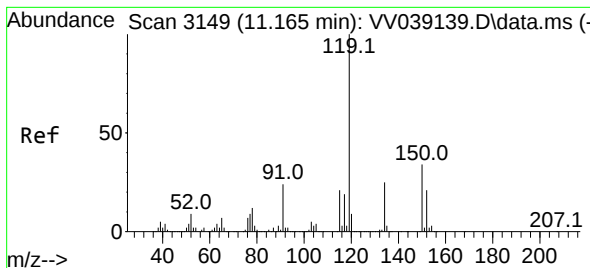
Tgt Ion:105 Resp: 25782

Ion Ratio Lower Upper

105 100

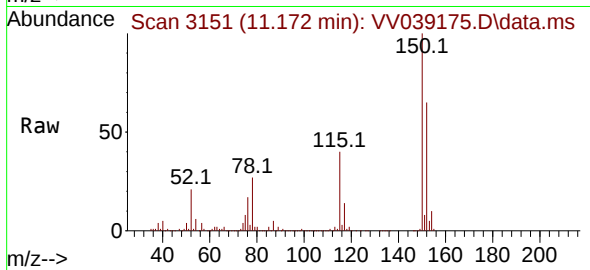
134 0.0 9.6 28.8#





#86
p-Isopropyltoluene
Concen: 0.406 ug/l m
RT: 11.172 min Scan# 3149
Delta R.T. 0.006 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

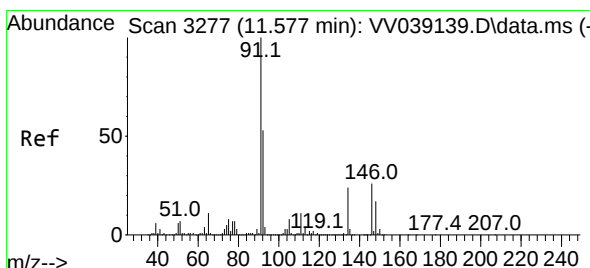
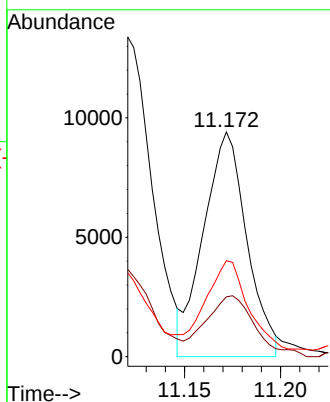
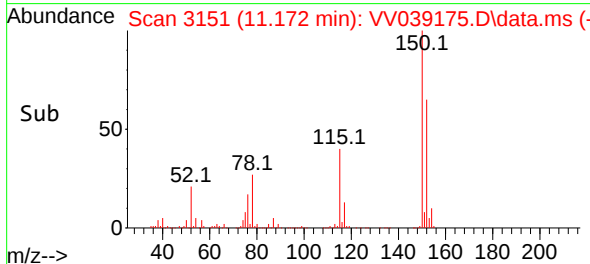
Instrument :
MSVOA_V
ClientSampleId :
MW4DL



Tgt Ion: 119 Resp: 14760
Ion Ratio Lower Upper
119 100
134 39.6 12.7 38.0
91 28.2 12.0 36.1

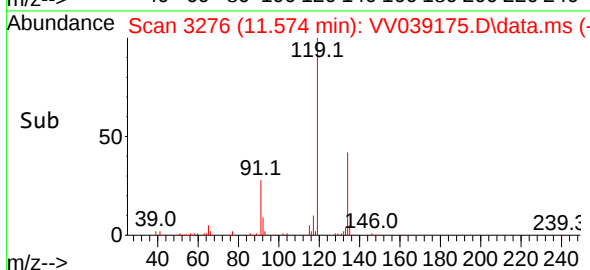
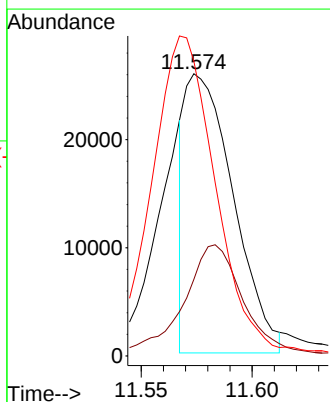
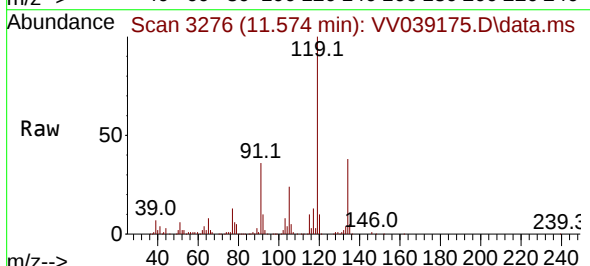
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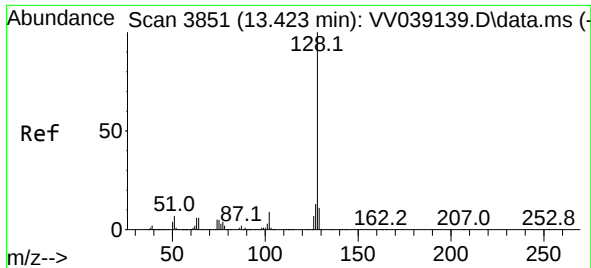
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#89
n-Butylbenzene
Concen: 1.121 ug/l m
RT: 11.574 min Scan# 3276
Delta R.T. -0.003 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

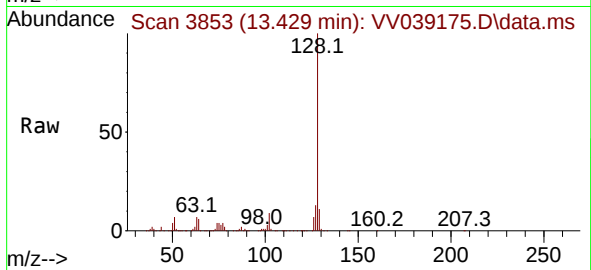
Tgt Ion: 91 Resp: 38955
Ion Ratio Lower Upper
91 100
92 47.7 26.6 79.8
134 149.8 12.1 36.3#





#95
Naphthalene
Concen: 6.885 ug/l
RT: 13.429 min Scan# 3853
Delta R.T. 0.006 min
Lab File: VV039175.D
Acq: 25 Sep 2025 12:55

Instrument : MSVOA_V
ClientSampleId : MW4DL



Tgt Ion:128 Resp: 248885
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

