

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039174.D
 Acq On : 25 Sep 2025 12:33
 Operator : SY/MD
 Sample : Q3175-01DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW2DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 26 01:24:38 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	563178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	979530	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	954674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	558535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	427463	52.444	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 104.880%			
35) Dibromofluoromethane	4.503	113	384673	48.850	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.700%			
50) Toluene-d8	7.236	98	1117790	48.331	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 96.660%			
62) 4-Bromofluorobenzene	10.001	95	477673	50.170	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 100.340%			
Target Compounds						Qvalue
31) Cyclohexane	4.584	56	163390	11.239	ug/l	93
39) Methylcyclohexane	6.047	83	104560	7.272	ug/l	91
40) Benzene	5.015	78	516821	13.331	ug/l	98
52) Toluene	7.317	92	64289	2.860	ug/l	100
67) Ethyl Benzene	8.934	91	9765537	242.606	ug/l	97
68) m/p-Xylenes	9.063	106	4597374	295.919	ug/l	97
69) o-Xylene	9.474	106	38063	2.767	ug/l	89
73) Isopropylbenzene	9.857	105	331271	8.177	ug/l	100
78) n-propylbenzene	10.278	91	1203830	24.402	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1628348	48.359	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	6743997	206.300	ug/l	98
85) sec-Butylbenzene	11.014	105	52699m	1.183	ug/l	
86) p-Isopropyltoluene	11.169	119	28308m	0.764	ug/l	
89) n-Butylbenzene	11.574	91	112240m	3.171	ug/l	
95) Naphthalene	13.423	128	2104561	57.156	ug/l	100

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

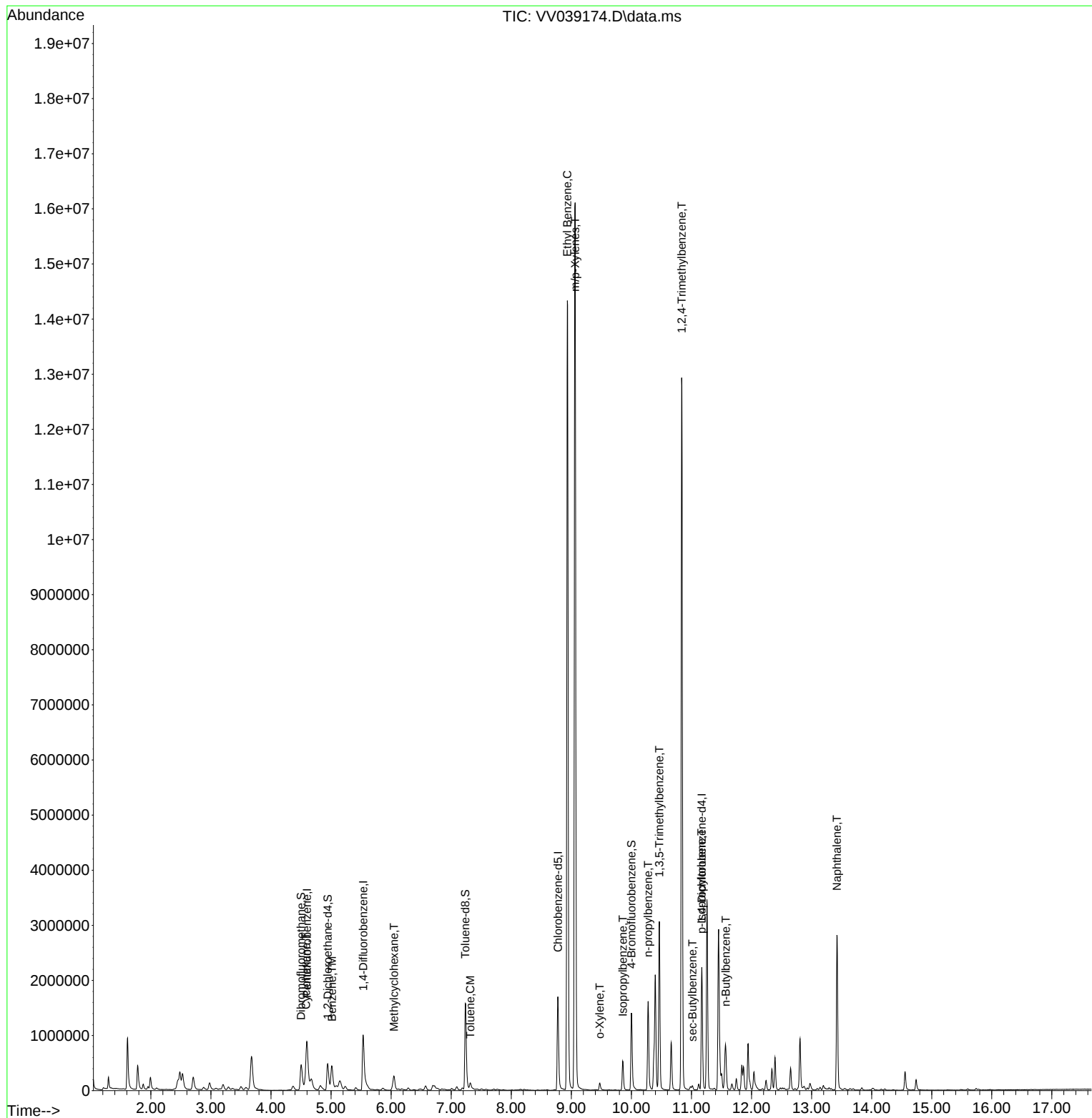
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039174.D
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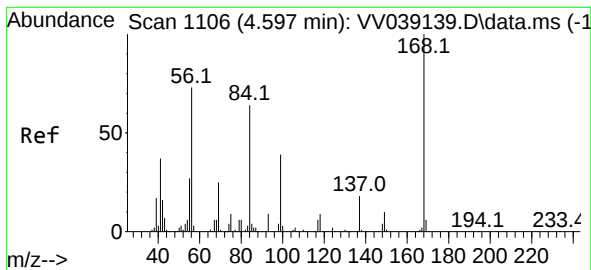
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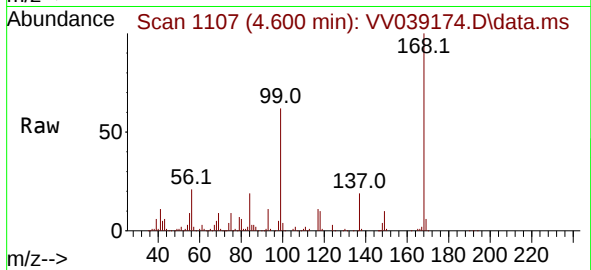
Quant Time: Sep 26 01:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

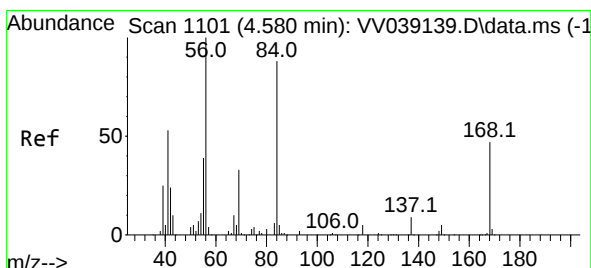
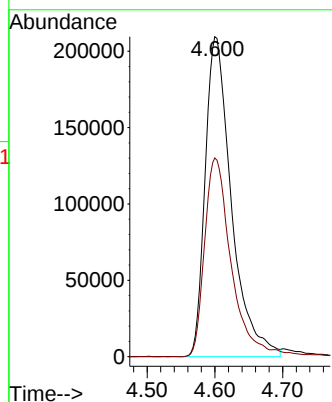
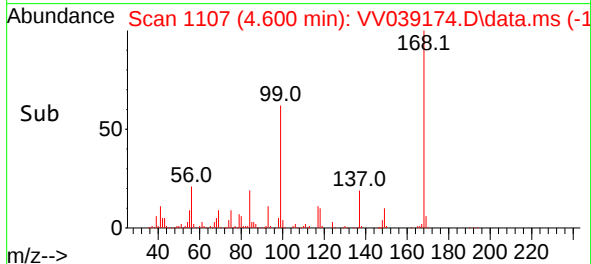
Instrument :
MSVOA_V
ClientSampleId :
MW2DL



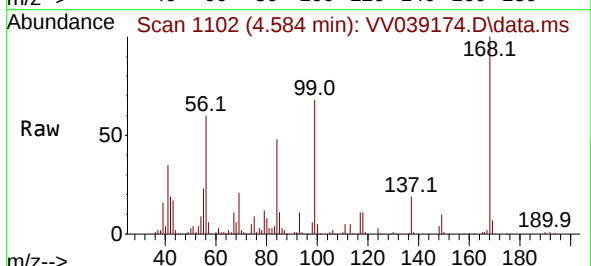
Tgt Ion:168 Resp: 563178
Ion Ratio Lower Upper
168 100
99 62.1 49.6 74.4

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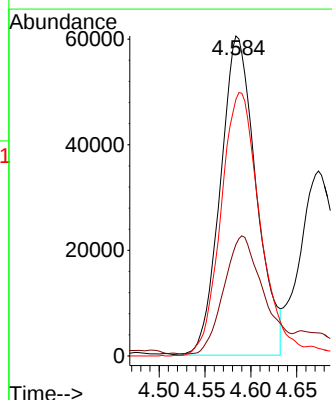
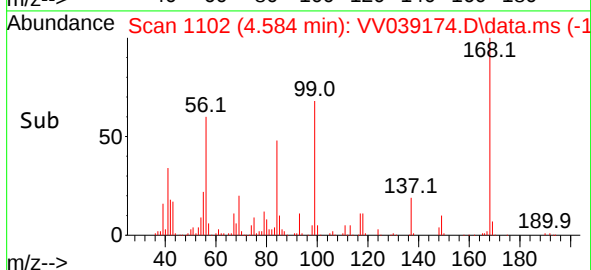
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

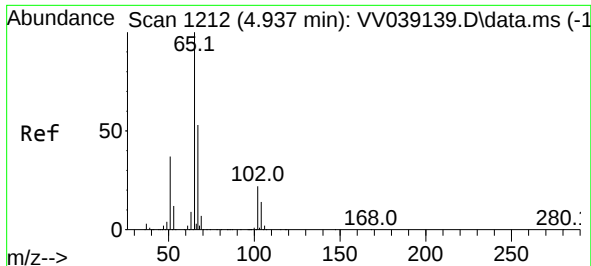


#31
Cyclohexane
Concen: 11.239 ug/l
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33



Tgt Ion: 56 Resp: 163390
Ion Ratio Lower Upper
56 100
69 34.2 26.2 39.2
84 80.2 70.3 105.5





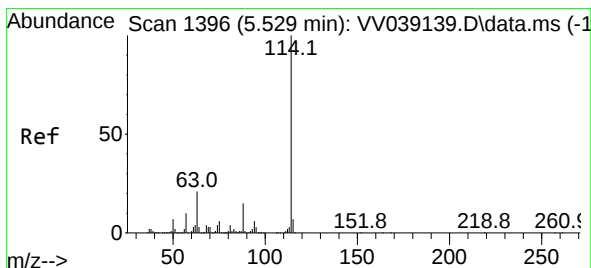
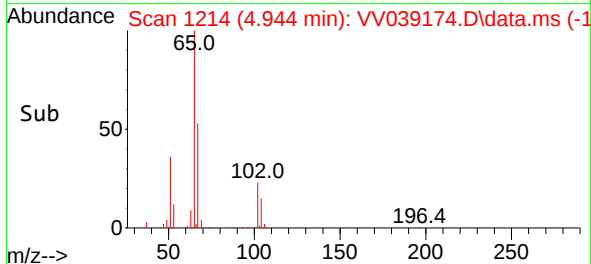
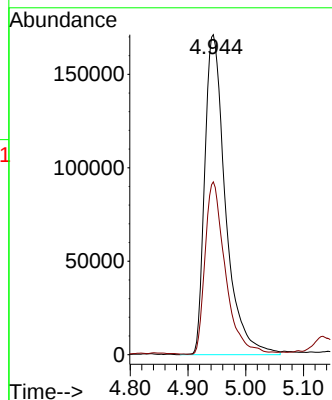
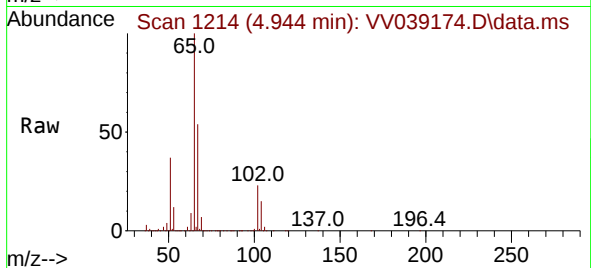
#33
1,2-Dichloroethane-d4
Concen: 52.444 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

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Tgt Ion: 65 Resp: 427463
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.0

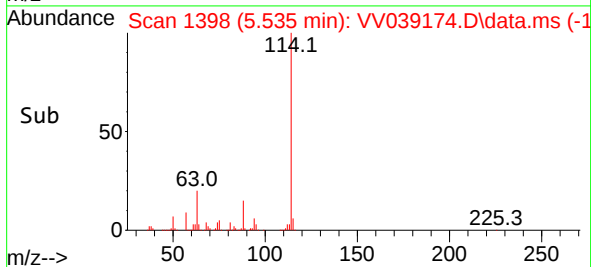
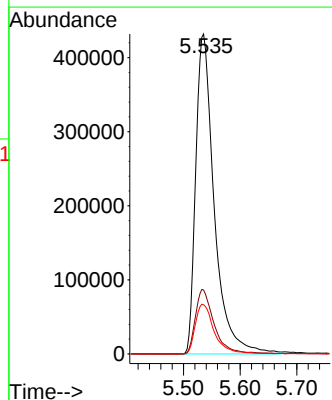
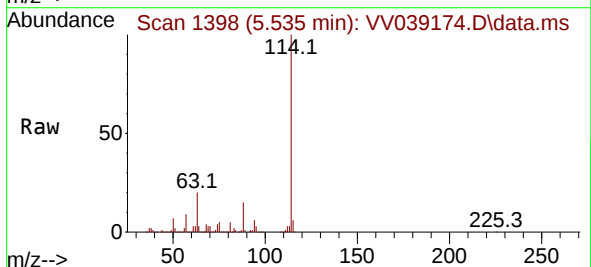
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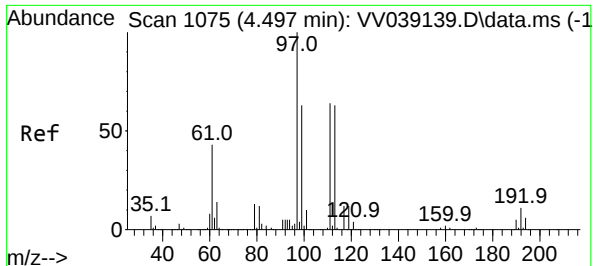
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

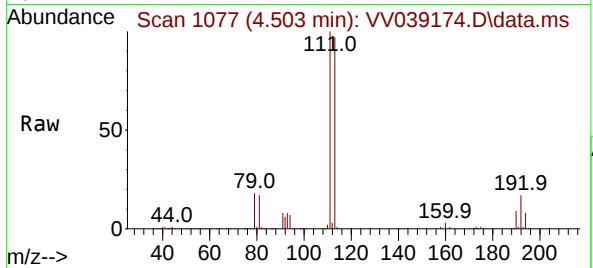
Tgt Ion:114 Resp: 979530
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.6
88 15.4 0.0 30.8





#35
Dibromofluoromethane
Concen: 48.850 ug/l
RT: 4.503 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

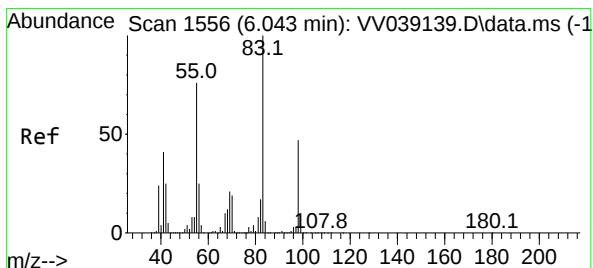
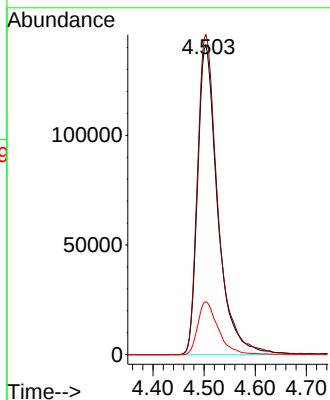
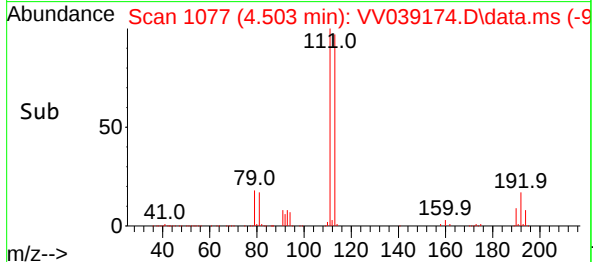
Instrument :
MSVOA_V
ClientSampleId :
MW2DL



Tgt Ion: 113 Resp: 38467
Ion Ratio Lower Upper
113 100
111 105.2 82.4 123.6
192 17.3 13.8 20.8

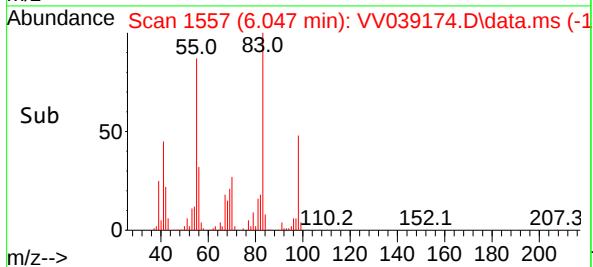
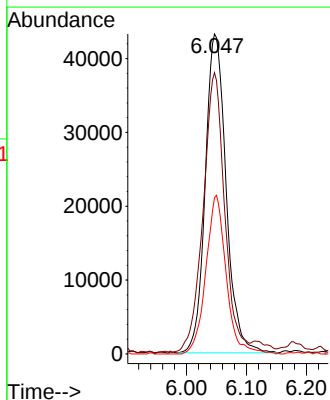
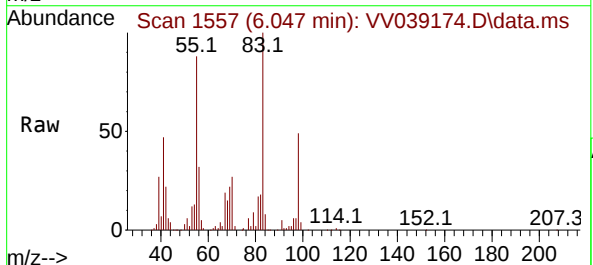
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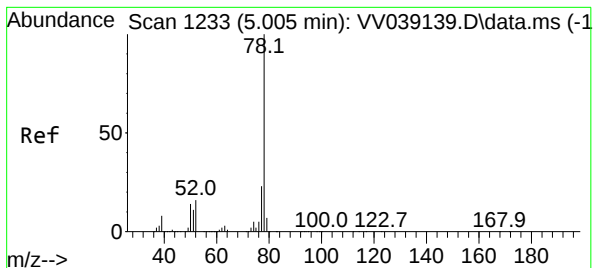
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#39
Methylcyclohexane
Concen: 7.272 ug/l
RT: 6.047 min Scan# 1557
Delta R.T. 0.004 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

Tgt Ion: 83 Resp: 104560
Ion Ratio Lower Upper
83 100
55 87.3 60.5 90.7
98 48.8 37.8 56.6





#40

Benzene

Concen: 13.331 ug/l

RT: 5.015 min Scan# 1233

Delta R.T. 0.010 min

Lab File: VV039174.D

Acq: 25 Sep 2025 12:33

Instrument :

MSVOA_V

ClientSampleId :

MW2DL

Tgt Ion: 78 Resp: 51682

Ion Ratio Lower Upper

78 100

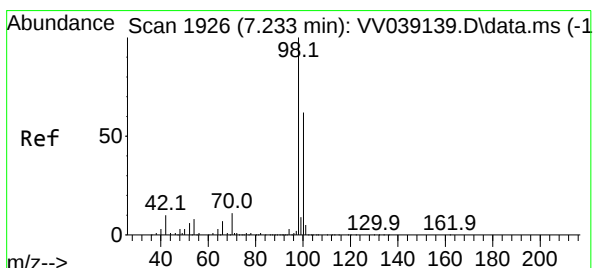
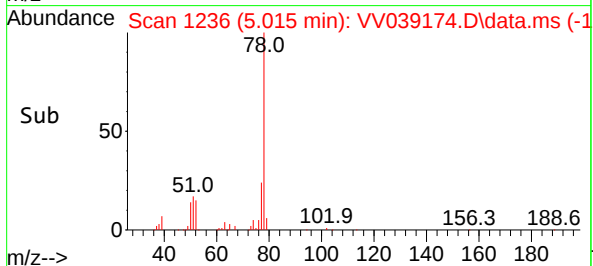
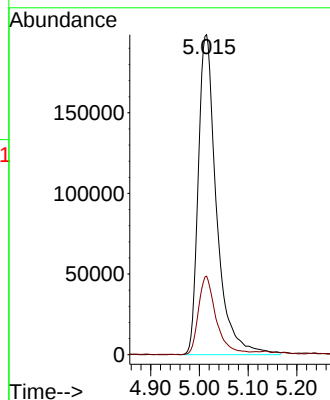
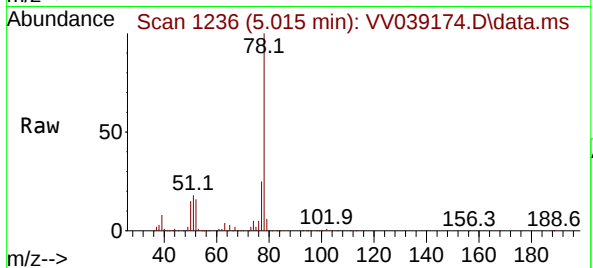
77 24.5 18.7 28.1

Manual Integrations

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#50

Toluene-d8

Concen: 48.331 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039174.D

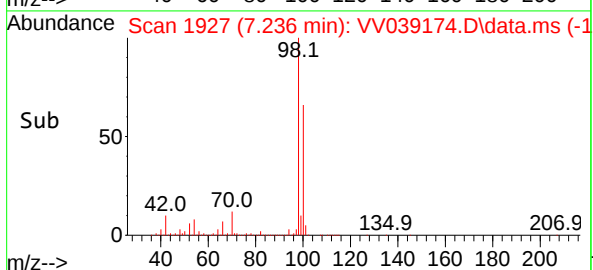
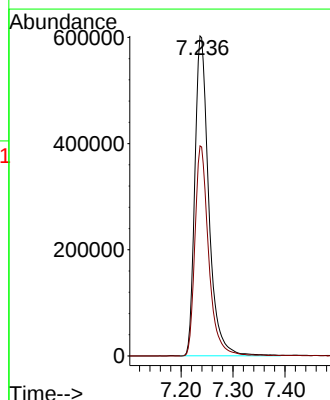
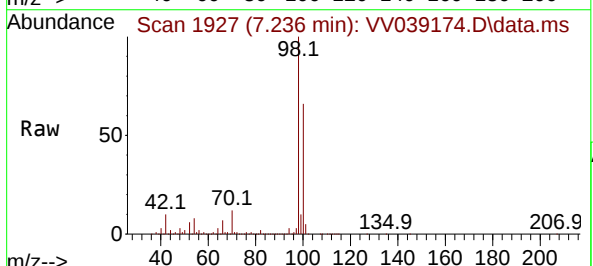
Acq: 25 Sep 2025 12:33

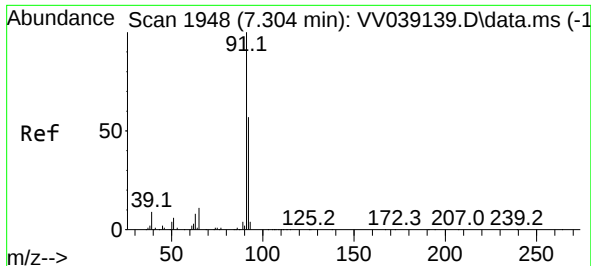
Tgt Ion: 98 Resp: 1117790

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2





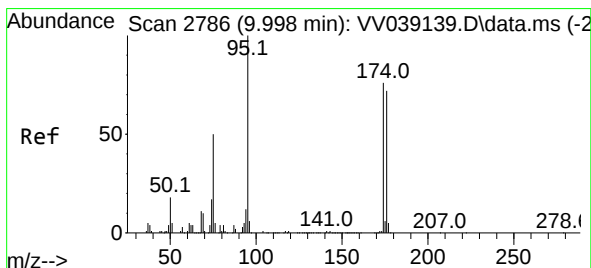
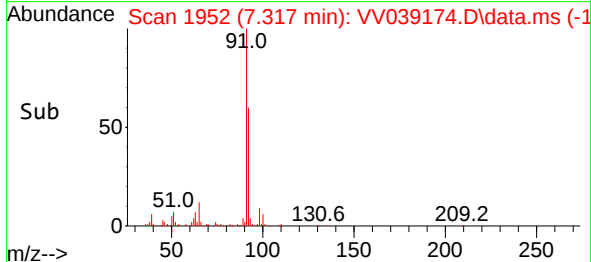
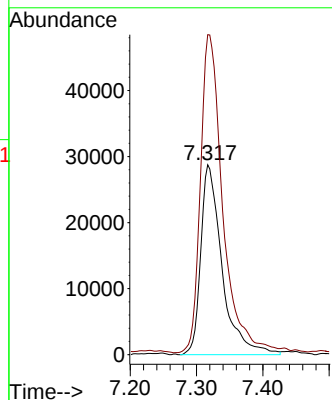
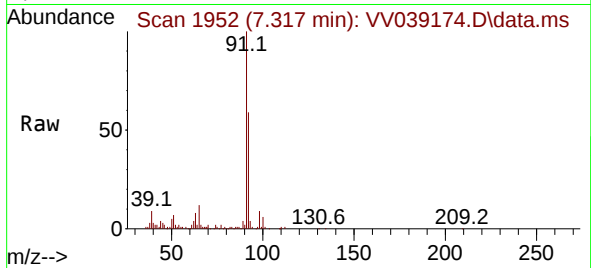
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Toluene
Concen: 2.860 ug/l
RT: 7.317 min Scan# 1948
Delta R.T. 0.013 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

Instrument :
MSVOA_V
ClientSampleId :
MW2DL

Tgt Ion: 92 Resp: 64289
Ion Ratio Lower Upper
92 100
91 174.3 139.2 208.8

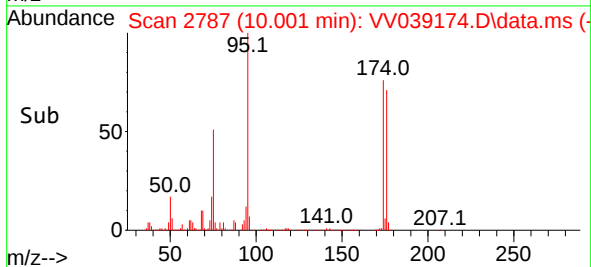
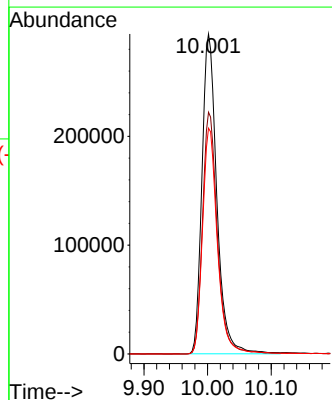
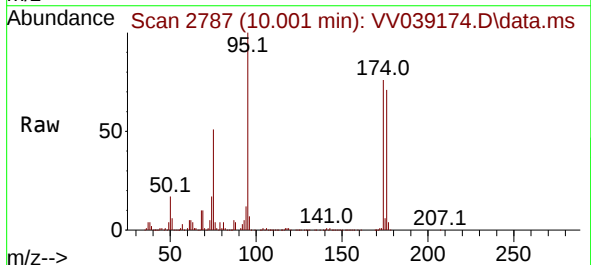
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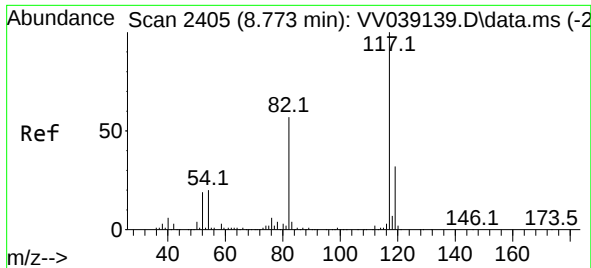
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#62
4-Bromofluorobenzene
Concen: 50.170 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

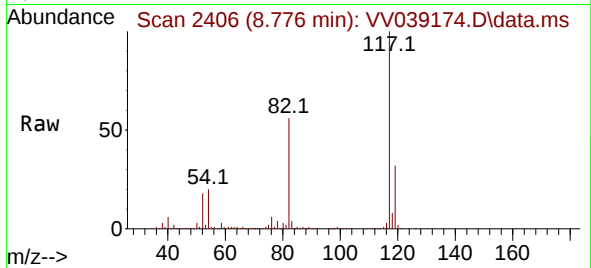
Tgt Ion: 95 Resp: 477673
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.4
176 70.6 0.0 144.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

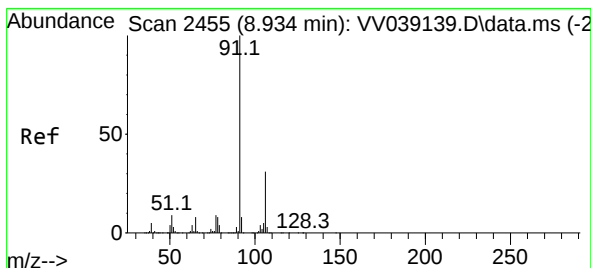
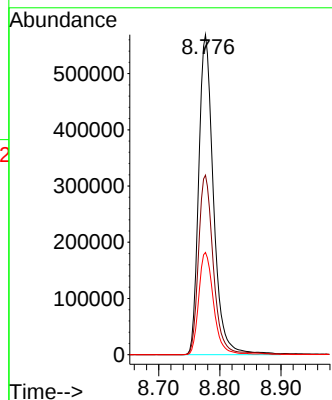
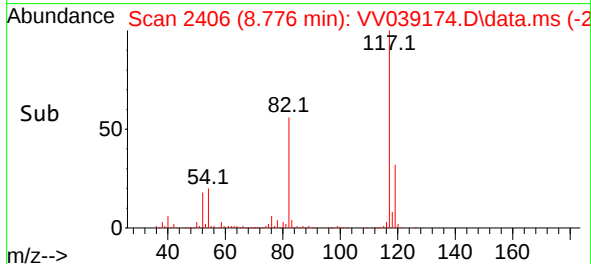
Instrument :
MSVOA_V
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Tgt Ion:117 Resp: 954674
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.0 25.6 38.4

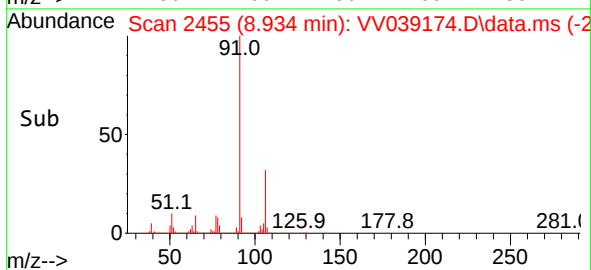
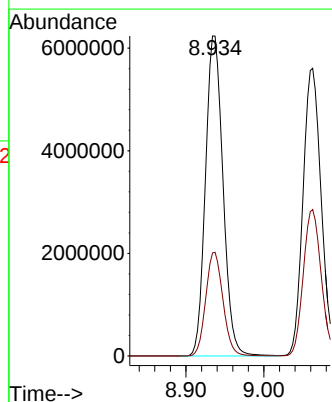
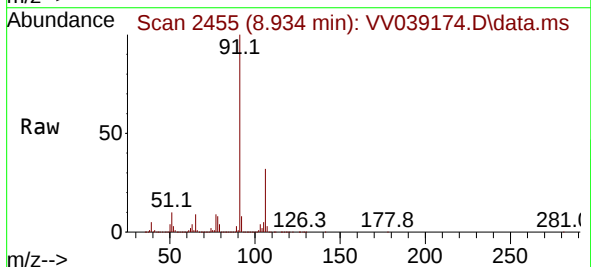
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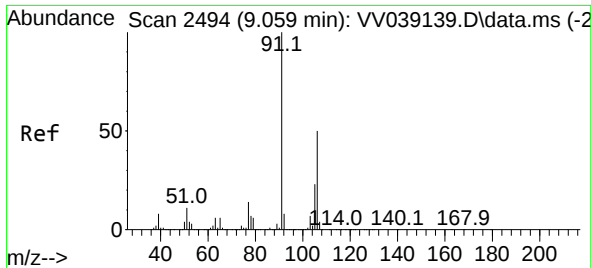
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#67
Ethyl Benzene
Concen: 242.606 ug/l
RT: 8.934 min Scan# 2455
Delta R.T. -0.000 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

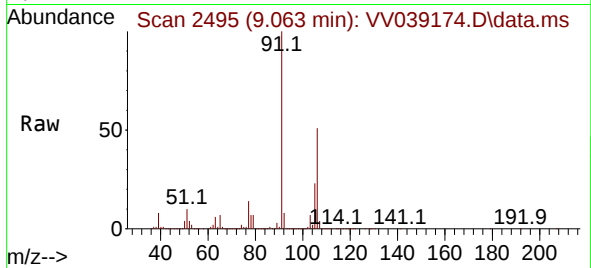
Tgt Ion: 91 Resp: 9765537
Ion Ratio Lower Upper
91 100
106 32.2 24.6 37.0





#68
m/p-Xylenes
Concen: 295.919 ug/l
RT: 9.063 min Scan# 2494
Delta R.T. 0.004 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

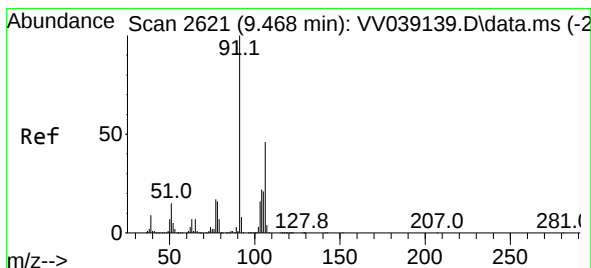
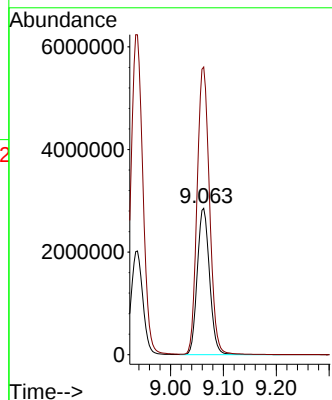
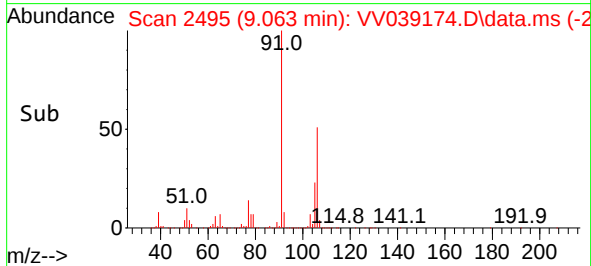
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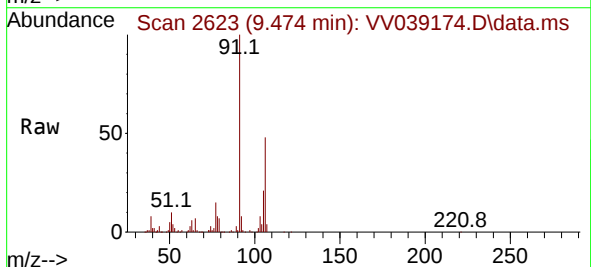
Tgt Ion:106 Resp: 4597374
Ion Ratio Lower Upper
106 100
91 198.5 162.5 243.7

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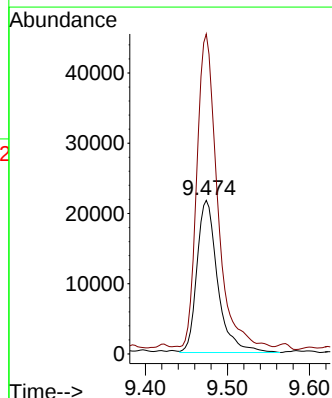
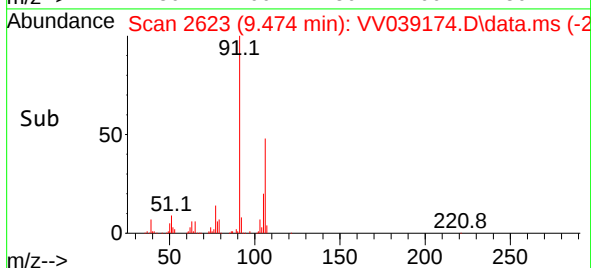
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

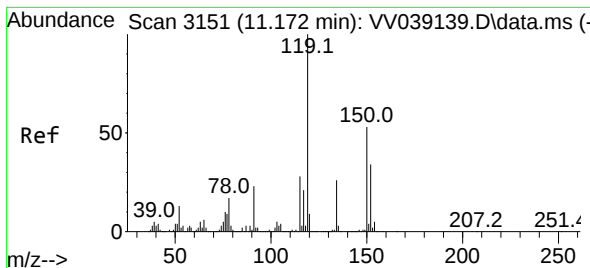


#69
o-Xylene
Concen: 2.767 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33



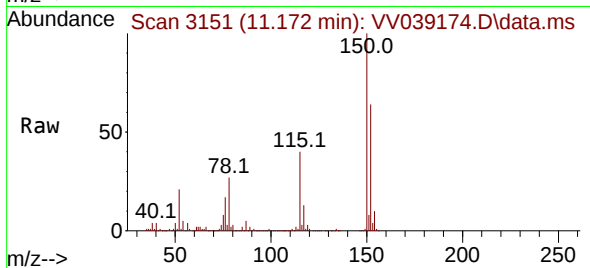
Tgt Ion:106 Resp: 38063
Ion Ratio Lower Upper
106 100
91 200.5 109.1 327.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.172 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: VV039174.D
 Acq: 25 Sep 2025 12:33

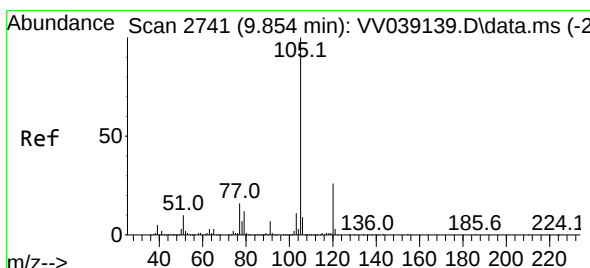
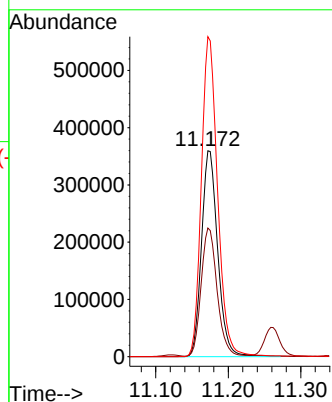
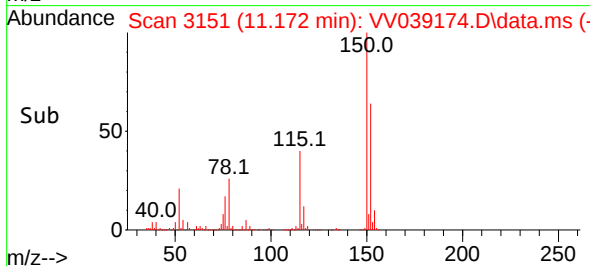
Instrument :
 MSVOA_V
 ClientSampleId :
 MW2DL



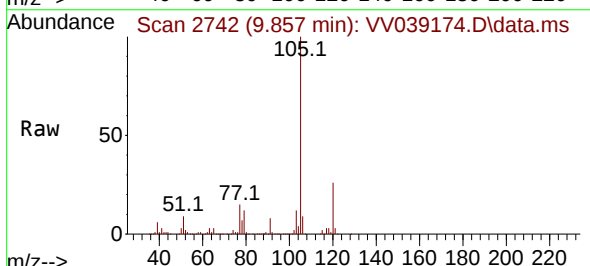
Tgt Ion:152 Resp: 558538
 Ion Ratio Lower Upper
 152 100
 115 61.1 44.8 134.4
 150 155.7 0.0 353.8

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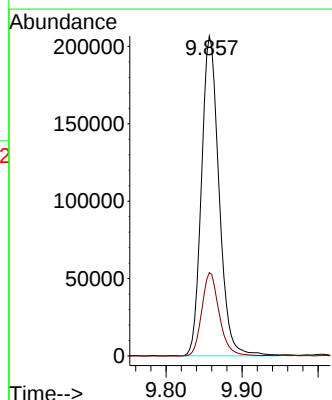
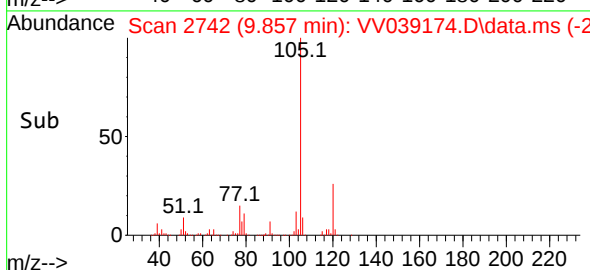
Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

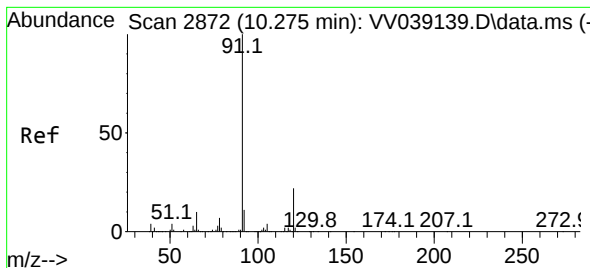


#73
 Isopropylbenzene
 Concen: 8.177 ug/l
 RT: 9.857 min Scan# 2742
 Delta R.T. 0.003 min
 Lab File: VV039174.D
 Acq: 25 Sep 2025 12:33



Tgt Ion:105 Resp: 331271
 Ion Ratio Lower Upper
 105 100
 120 25.9 13.1 39.1





#78

n-propylbenzene

Concen: 24.402 ug/l

RT: 10.278 min Scan# 2872

Delta R.T. 0.003 min

Lab File: VV039174.D

Acq: 25 Sep 2025 12:33

Instrument :

MSVOA_V

ClientSampleId :

MW2DL

Tgt Ion: 91 Resp: 1203830

Ion Ratio Lower Upper

91 100

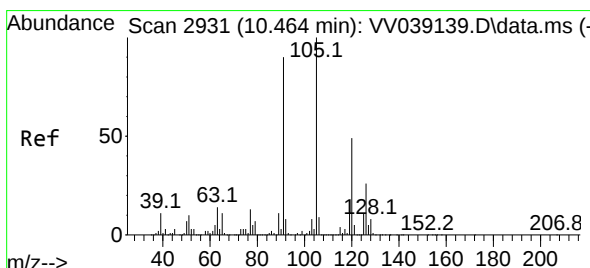
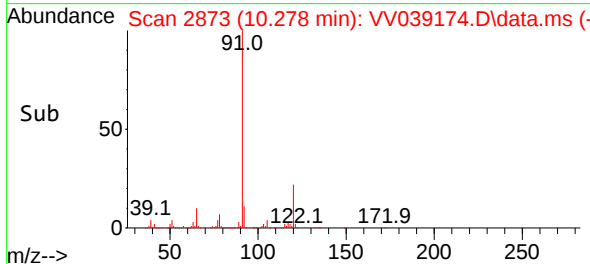
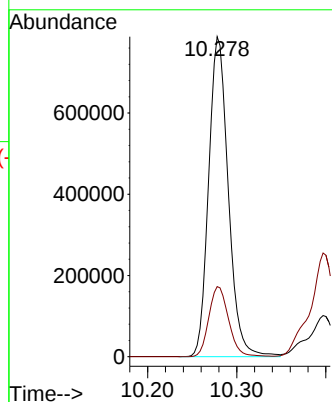
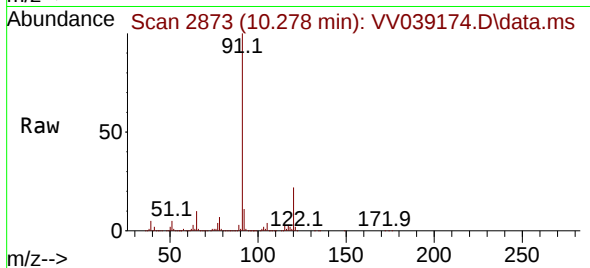
120 22.1 11.1 33.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 48.359 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. 0.000 min

Lab File: VV039174.D

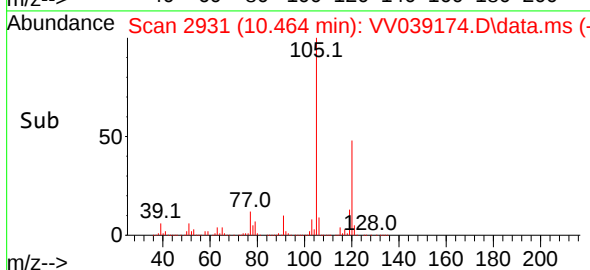
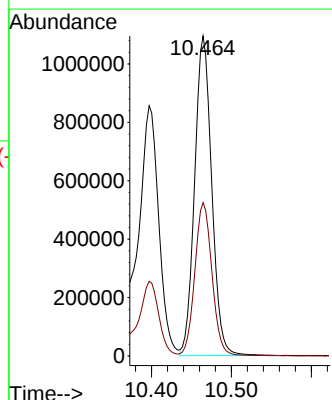
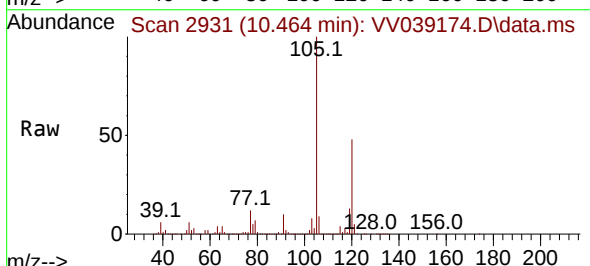
Acq: 25 Sep 2025 12:33

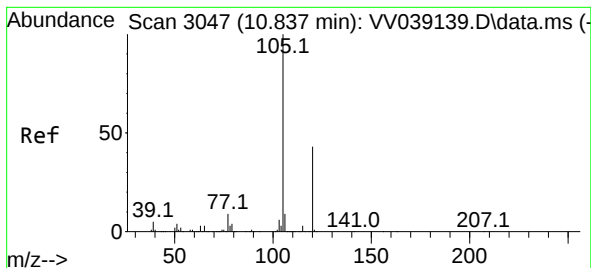
Tgt Ion:105 Resp: 1628348

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 206.300 ug/l

RT: 10.837 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VV039174.D

Acq: 25 Sep 2025 12:33

Instrument :

MSVOA_V

ClientSampleId :

MW2DL

Tgt Ion:105 Resp: 674399

Ion Ratio Lower Upper

105 100

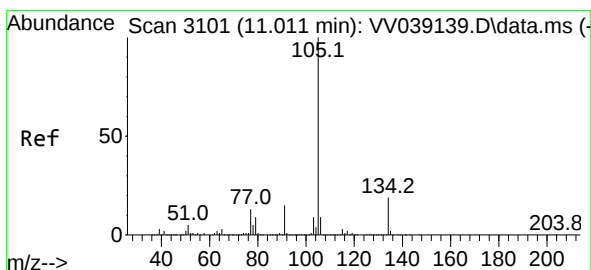
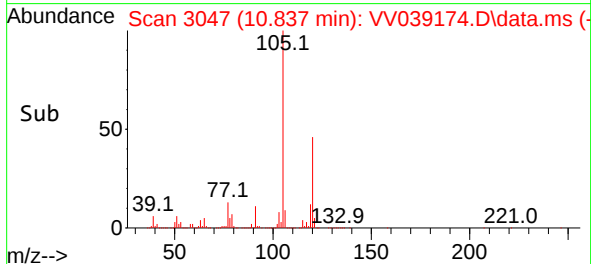
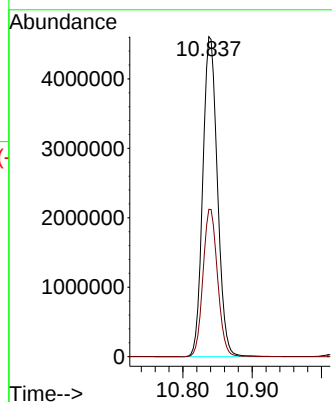
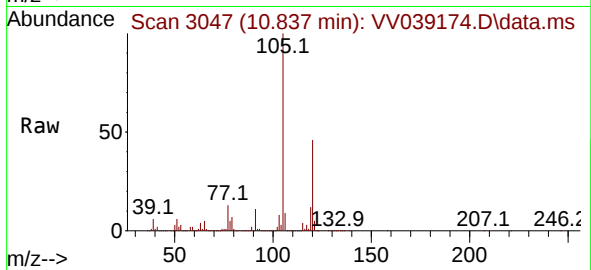
120 45.9 22.4 67.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#85

sec-Butylbenzene

Concen: 1.183 ug/l m

RT: 11.014 min Scan# 3102

Delta R.T. 0.003 min

Lab File: VV039174.D

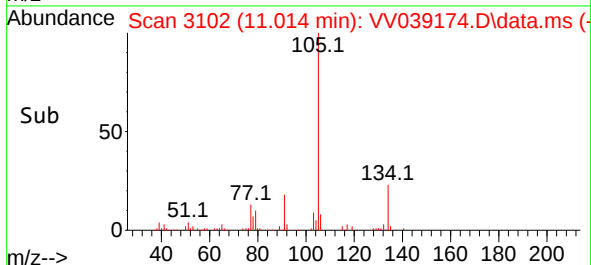
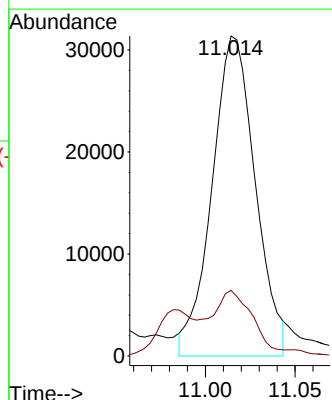
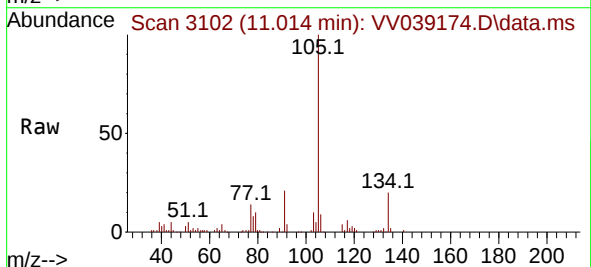
Acq: 25 Sep 2025 12:33

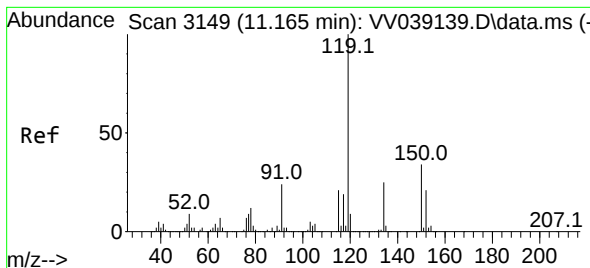
Tgt Ion:105 Resp: 52699

Ion Ratio Lower Upper

105 100

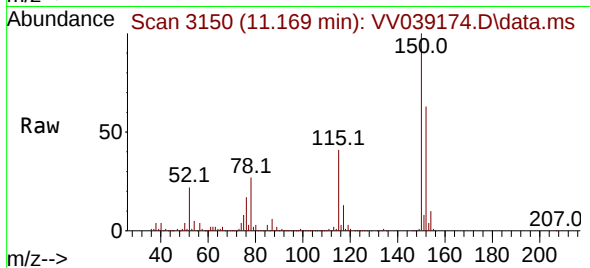
134 0.0 9.6 28.8#





#86
p-Isopropyltoluene
Concen: 0.764 ug/l m
RT: 11.169 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

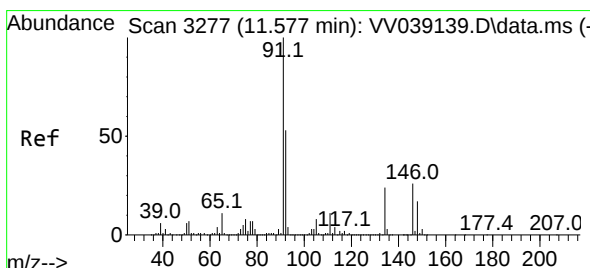
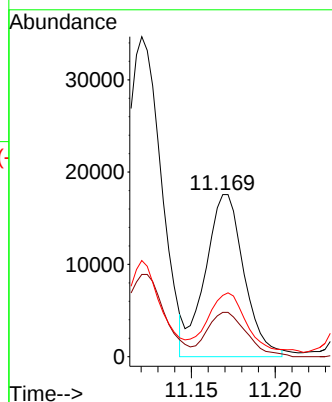
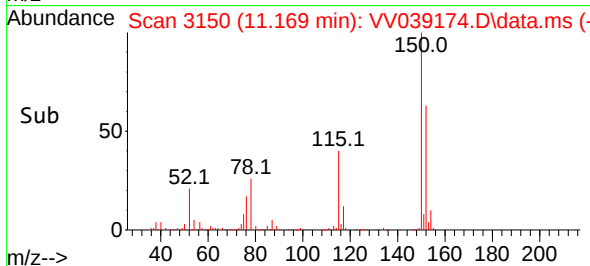
Instrument :
MSVOA_V
ClientSampleId :
MW2DL



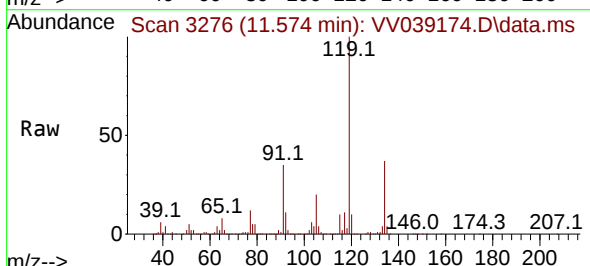
Tgt Ion:119 Resp: 28308
Ion Ratio Lower Upper
119 100
134 51.6 12.7 38.0
91 49.5 12.0 36.1

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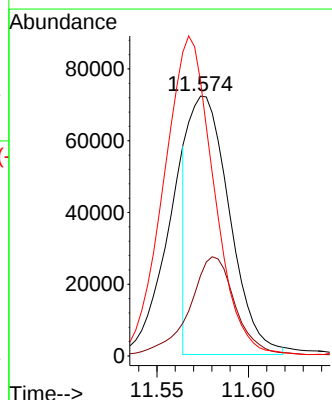
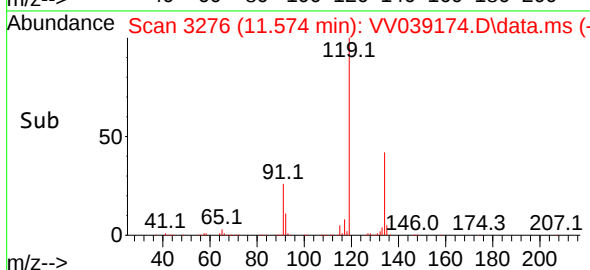
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

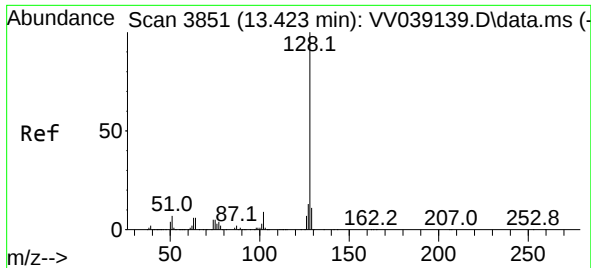


#89
n-Butylbenzene
Concen: 3.171 ug/l m
RT: 11.574 min Scan# 3276
Delta R.T. -0.003 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33



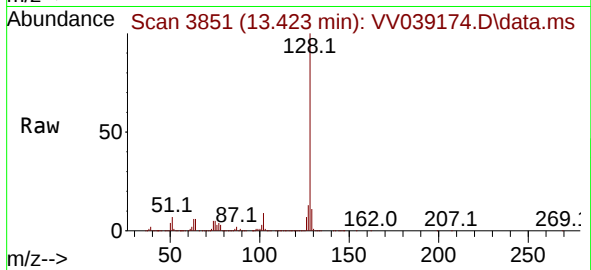
Tgt Ion: 91 Resp: 112240
Ion Ratio Lower Upper
91 100
92 43.0 26.6 79.8
134 149.1 12.1 36.3





#95
Naphthalene
Concen: 57.156 ug/l
RT: 13.423 min Scan# 3851
Delta R.T. -0.000 min
Lab File: VV039174.D
Acq: 25 Sep 2025 12:33

Instrument :
MSVOA_V
ClientSampleId :
MW2DL



Tgt Ion:128 Resp: 210456
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.1 8.6 13.0

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

