

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039179.D
 Acq On : 25 Sep 2025 14:25
 Operator : SY/MD
 Sample : Q3175-01DL2 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW2DL2

Manual Integrations
 APPROVED

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

Quant Time: Sep 26 01:28:35 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	4.603	168	457907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	814896	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	779302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	406825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	368510	55.605	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 111.220%			
35) Dibromofluoromethane	4.503	113	326916	49.902	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 99.800%			
50) Toluene-d8	7.239	98	872246	45.333	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 90.660%			
62) 4-Bromofluorobenzene	10.001	95	367137	46.351	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 92.700%			
Target Compounds					Qvalue	
31) Cyclohexane	4.590	56	36779	3.112	ug/l #	79
39) Methylcyclohexane	6.047	83	19339	1.617	ug/l	93
40) Benzene	5.018	78	114906	3.563	ug/l	97
52) Toluene	7.326	92	13136	0.702	ug/l	99
67) Ethyl Benzene	8.937	91	1804165	54.908	ug/l	100
68) m/p-Xylenes	9.062	106	895770	70.633	ug/l	98
69) o-Xylene	9.480	106	8550	0.761	ug/l	88
73) Isopropylbenzene	9.860	105	64305	2.179	ug/l	97
78) n-propylbenzene	10.281	91	211654	5.890	ug/l	100
80) 1,3,5-Trimethylbenzene	10.468	105	267764	10.918	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	1212989	50.943	ug/l	99
85) sec-Butylbenzene	11.014	105	11370m	0.351	ug/l	
86) p-Isopropyltoluene	11.172	119	6248m	0.231	ug/l	
89) n-Butylbenzene	11.580	91	22134m	0.858	ug/l	
95) Naphthalene	13.429	128	343331	12.801	ug/l	99

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

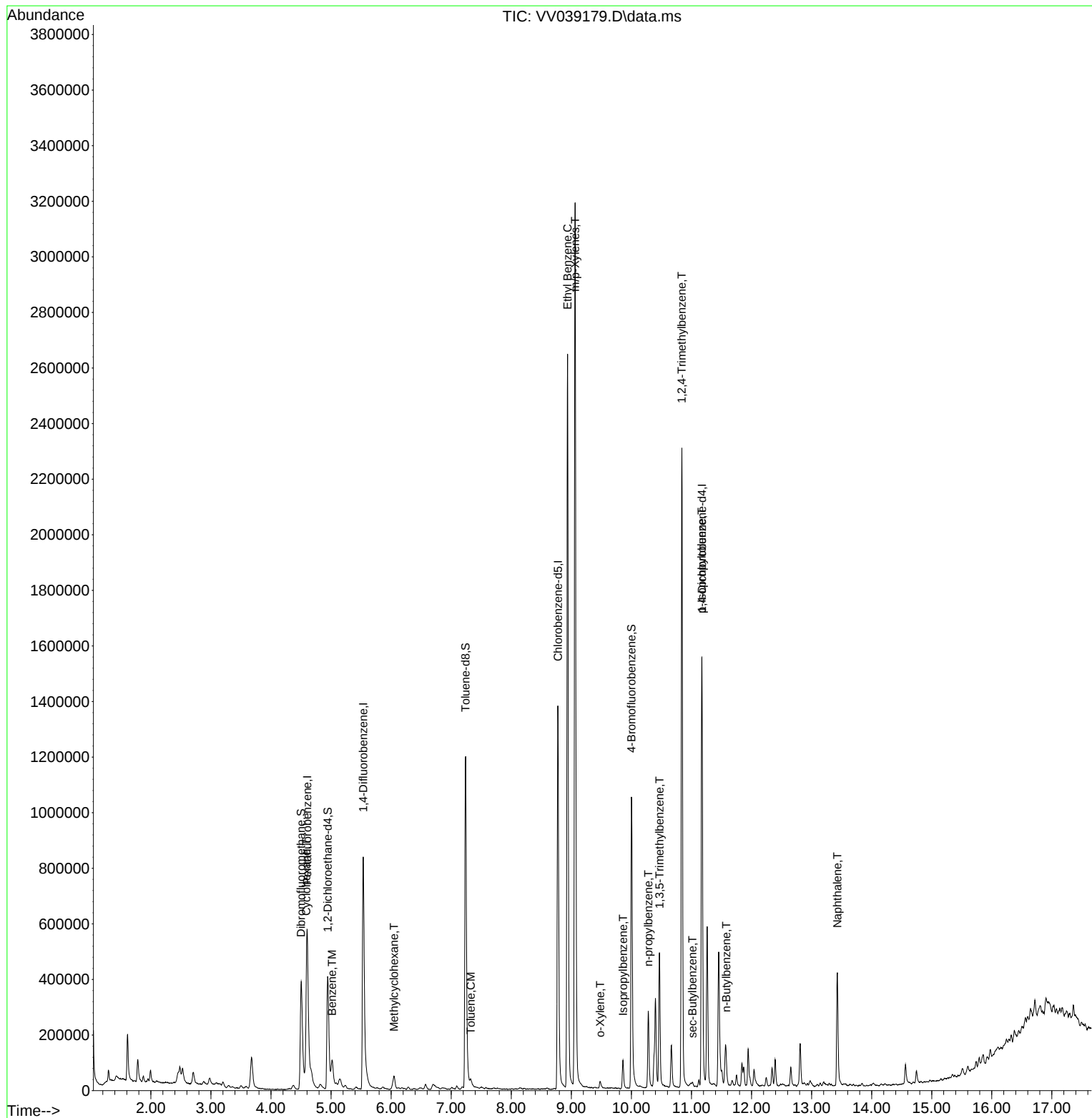
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039179.D
Acq On : 25 Sep 2025 14:25
Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
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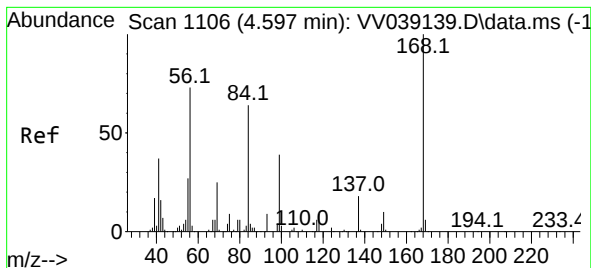
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV039179.D

Acq: 25 Sep 2025 14:25

Instrument :

MSVOA_V

ClientSampleId :

MW2DL2

Tgt Ion:168 Resp: 45790

Ion Ratio Lower Upper

168 100

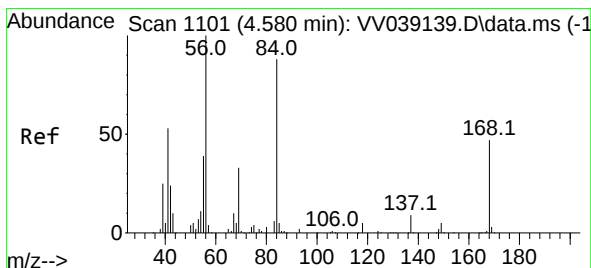
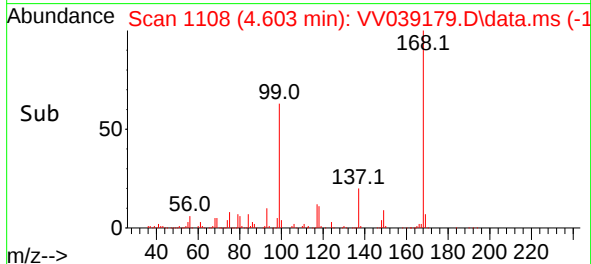
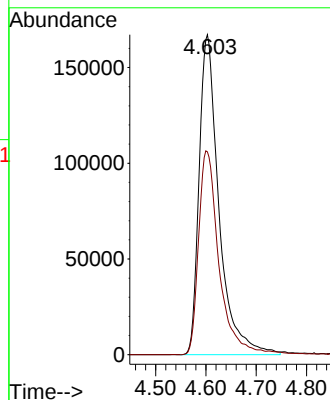
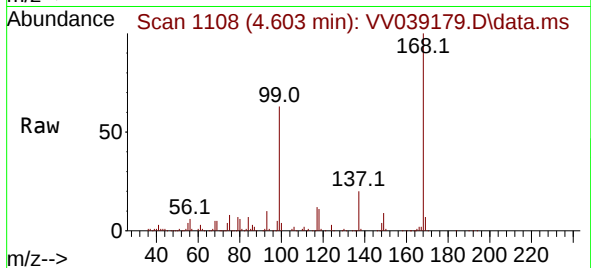
99 63.4 49.6 74.4

Manual Integrations

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#31

Cyclohexane

Concen: 3.112 ug/l

RT: 4.590 min Scan# 1104

Delta R.T. 0.010 min

Lab File: VV039179.D

Acq: 25 Sep 2025 14:25

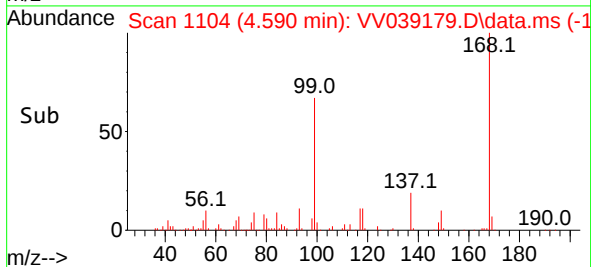
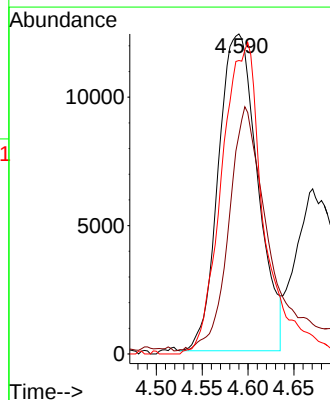
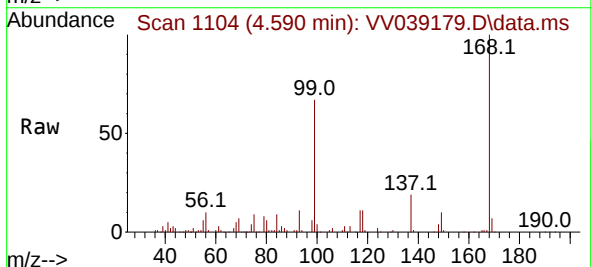
Tgt Ion: 56 Resp: 36779

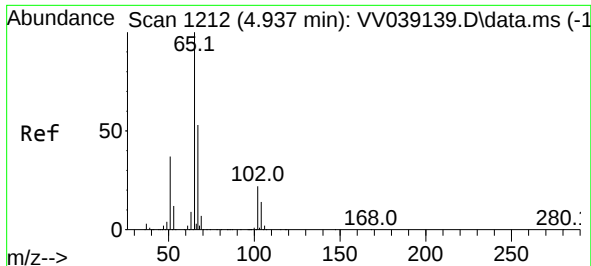
Ion Ratio Lower Upper

56 100

69 67.7 26.2 39.2#

84 92.6 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 55.605 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039179.D

Acq: 25 Sep 2025 14:25

Instrument :

MSVOA_V

ClientSampleId :

MW2DL2

Tgt Ion: 65 Resp: 368510

Ion Ratio Lower Upper

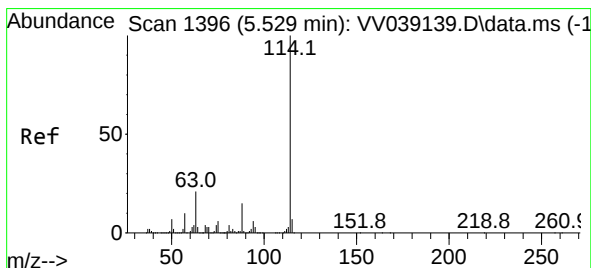
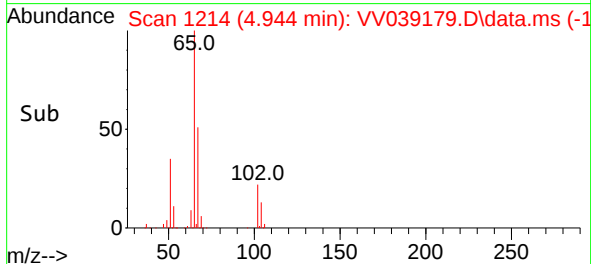
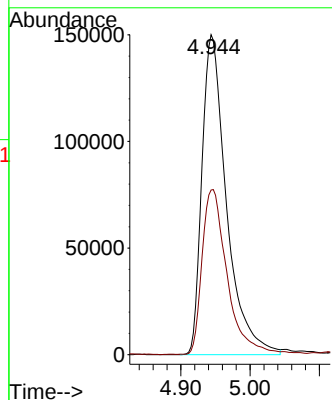
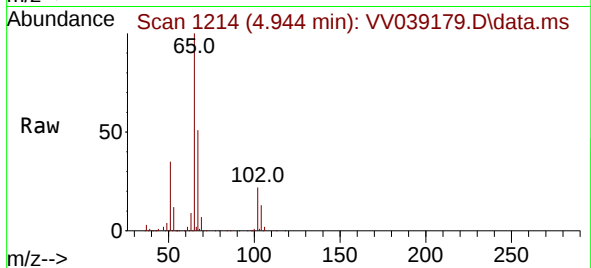
65 100

67 53.0 0.0 107.0

Manual Integrations

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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: VV039179.D

Acq: 25 Sep 2025 14:25

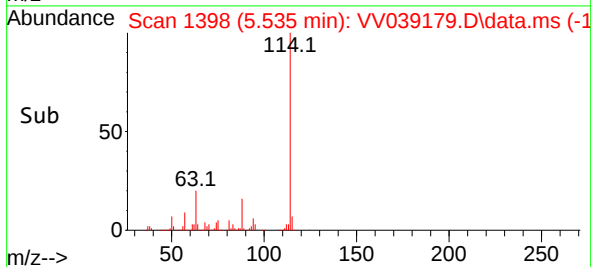
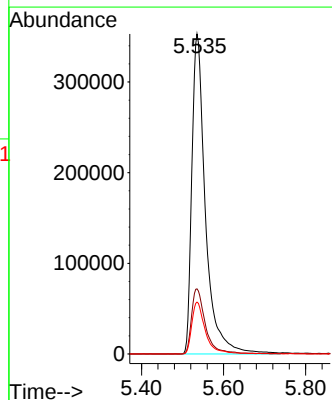
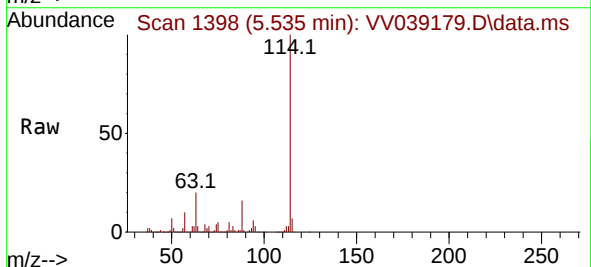
Tgt Ion:114 Resp: 814896

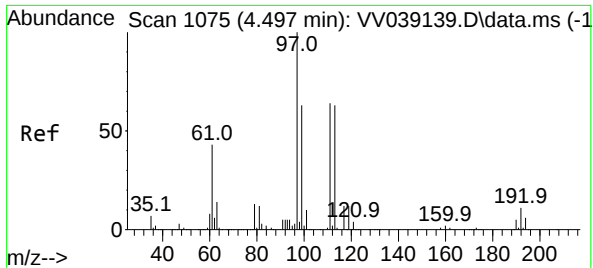
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

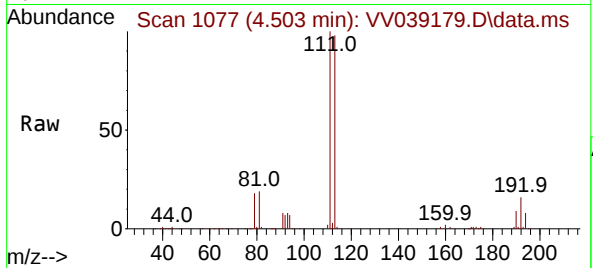
88 16.2 0.0 30.8





#35
 Dibromofluoromethane
 Concen: 49.902 ug/l
 RT: 4.503 min Scan# 1075
 Delta R.T. 0.006 min
 Lab File: VV039179.D
 Acq: 25 Sep 2025 14:25

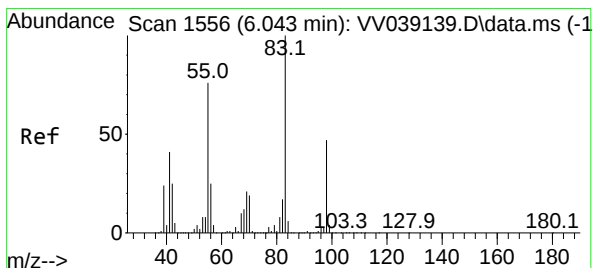
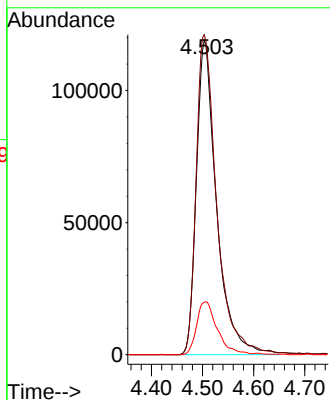
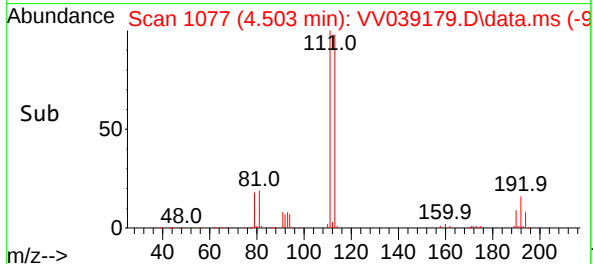
Instrument :
 MSVOA_V
 ClientSampleId :
 MW2DL2



Tgt Ion: 113 Resp: 326910
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 17.2 13.8 20.8

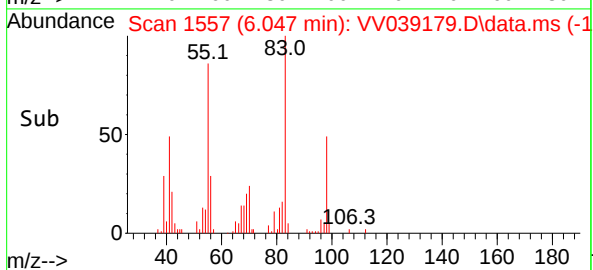
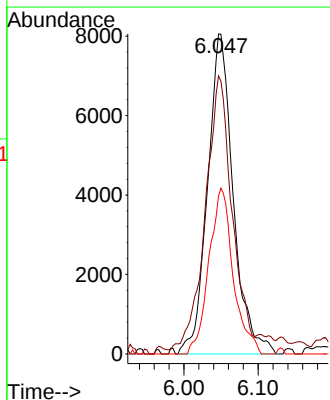
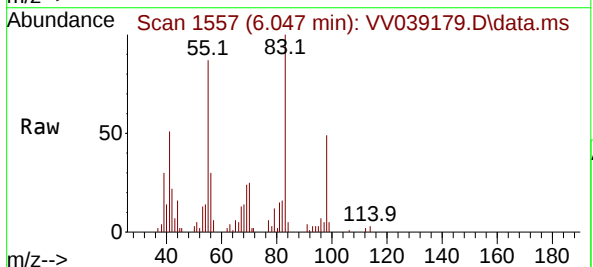
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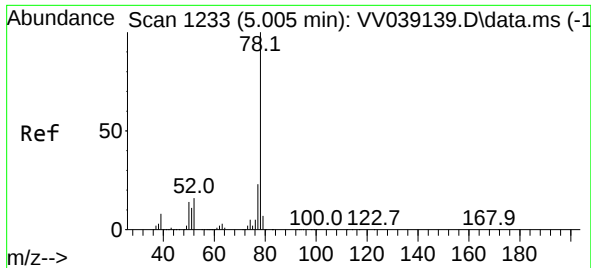
Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025



#39
 Methylcyclohexane
 Concen: 1.617 ug/l
 RT: 6.047 min Scan# 1557
 Delta R.T. 0.004 min
 Lab File: VV039179.D
 Acq: 25 Sep 2025 14:25

Tgt Ion: 83 Resp: 19339
 Ion Ratio Lower Upper
 83 100
 55 83.8 60.5 90.7
 98 49.3 37.8 56.6





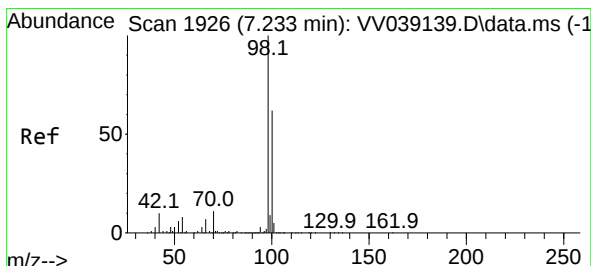
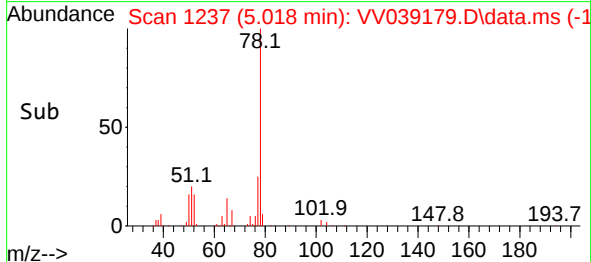
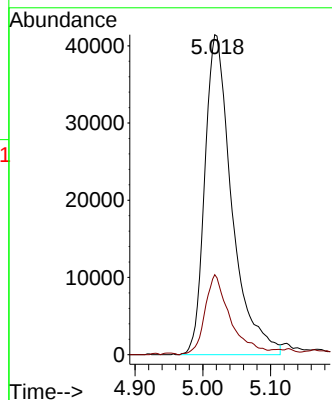
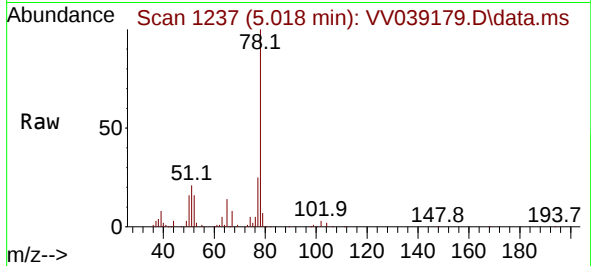
#40
Benzene
Concen: 3.563 ug/l
RT: 5.018 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

Instrument :
MSVOA_V
ClientSampleId :
MW2DL2

Tgt Ion: 78 Resp: 114900
Ion Ratio Lower Upper
78 100
77 25.0 18.7 28.1

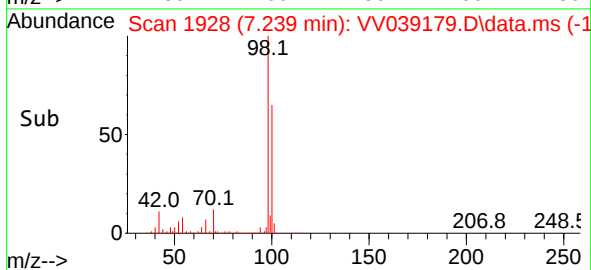
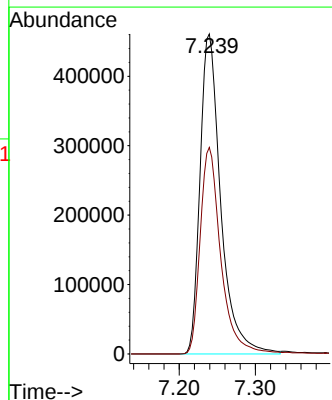
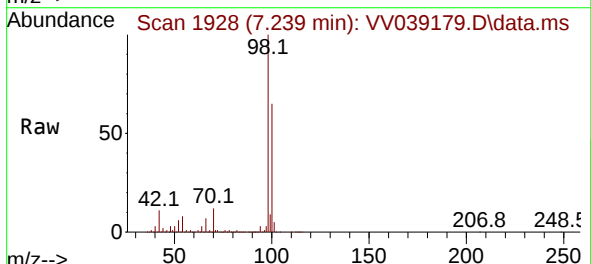
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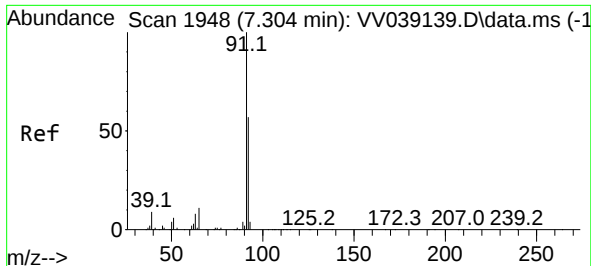
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#50
Toluene-d8
Concen: 45.333 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

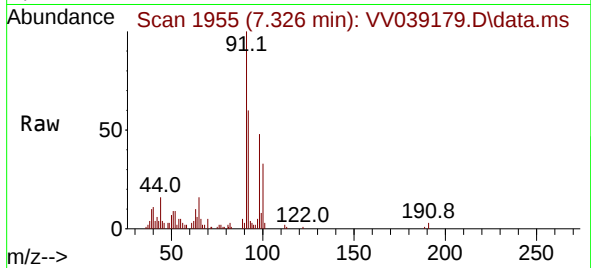
Tgt Ion: 98 Resp: 872246
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2





#52
Toluene
Concen: 0.702 ug/l
RT: 7.326 min Scan# 1948
Delta R.T. 0.022 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

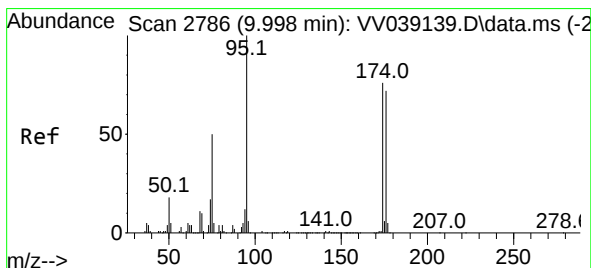
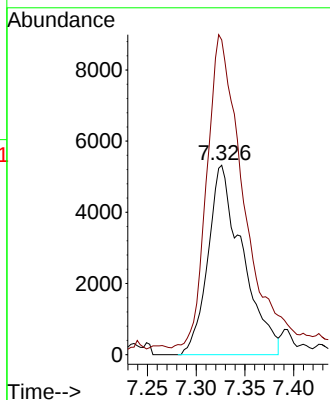
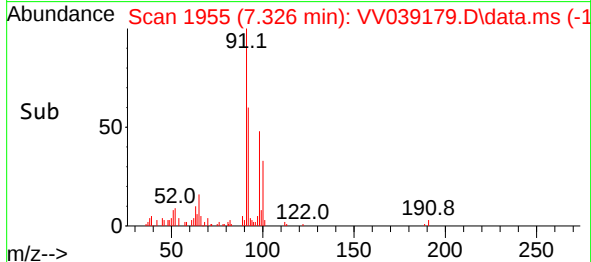
Instrument :
MSVOA_V
ClientSampleId :
MW2DL2



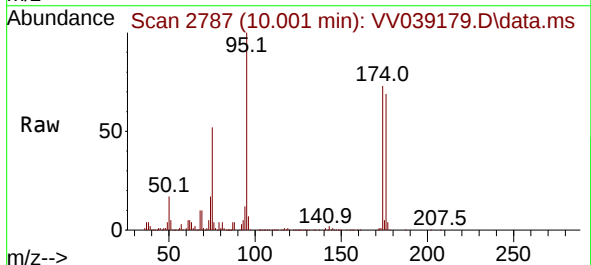
Tgt Ion: 92 Resp: 13130
Ion Ratio Lower Upper
92 100
91 174.9 139.2 208.8

Manual Integrations
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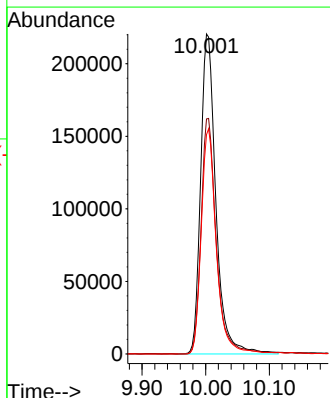
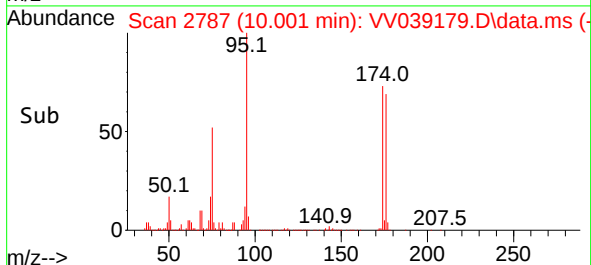
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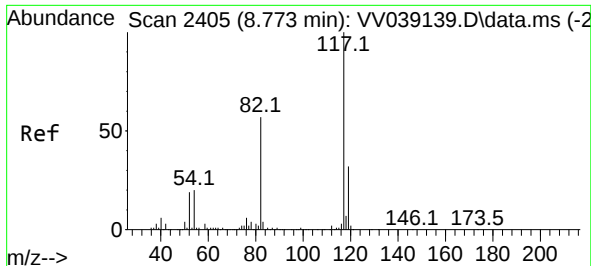


#62
4-Bromofluorobenzene
Concen: 46.351 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25



Tgt Ion: 95 Resp: 367137
Ion Ratio Lower Upper
95 100
174 73.4 0.0 150.4
176 69.4 0.0 144.2





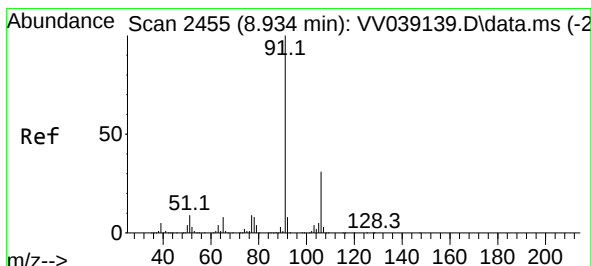
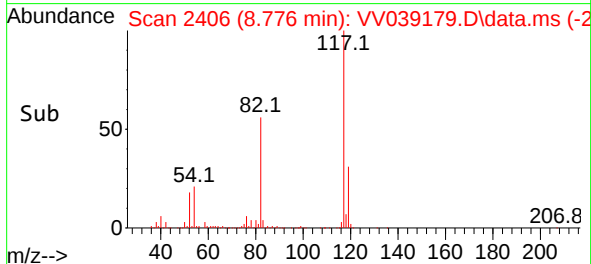
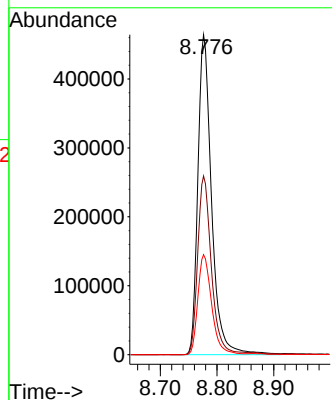
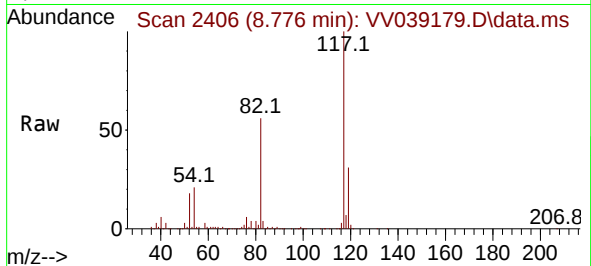
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

Instrument :
MSVOA_V
ClientSampleId :
MW2DL2

Tgt Ion: 117 Resp: 779302
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 31.3 25.6 38.4

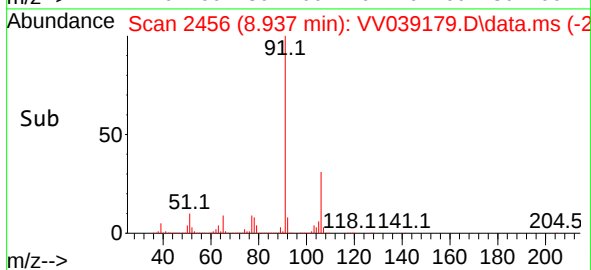
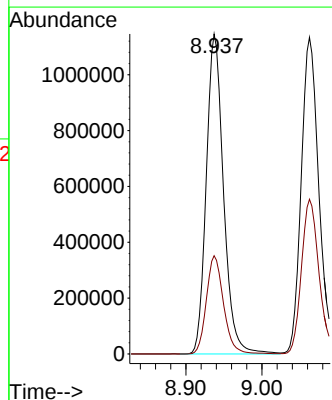
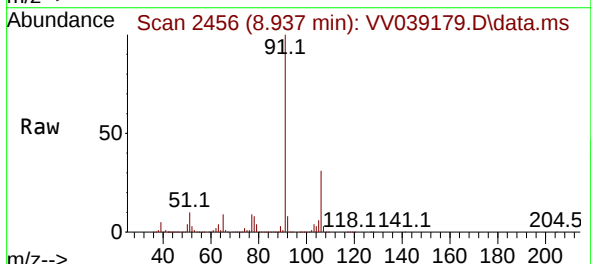
Manual Integrations
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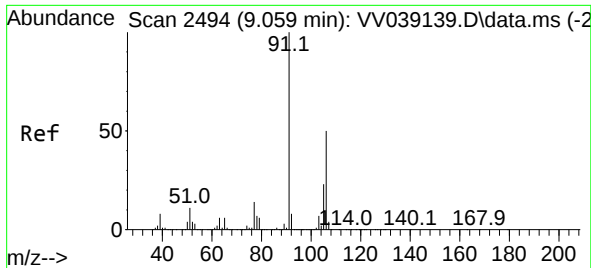
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#67
Ethyl Benzene
Concen: 54.908 ug/l
RT: 8.937 min Scan# 2456
Delta R.T. 0.003 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

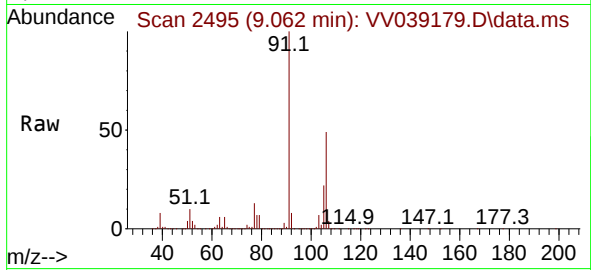
Tgt Ion: 91 Resp: 1804165
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0





#68
m/p-Xylenes
Concen: 70.633 ug/l
RT: 9.062 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

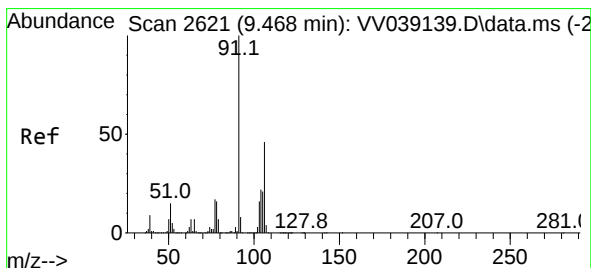
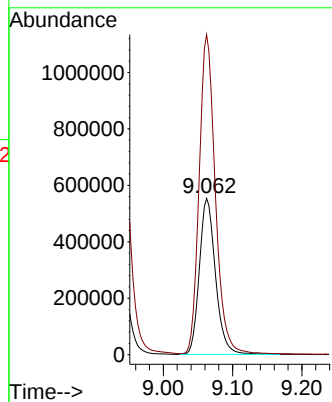
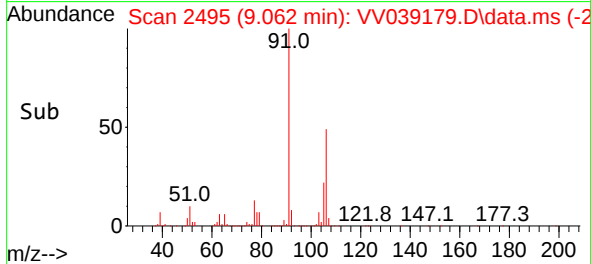
Instrument :
MSVOA_V
ClientSampleId :
MW2DL2



Tgt Ion:106 Resp: 895770
Ion Ratio Lower Upper
106 100
91 206.7 162.5 243.7

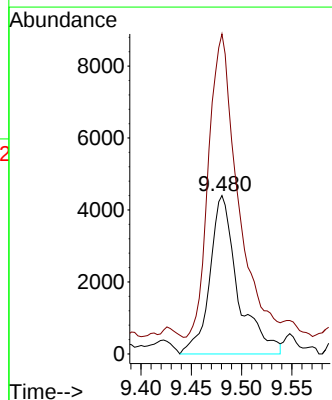
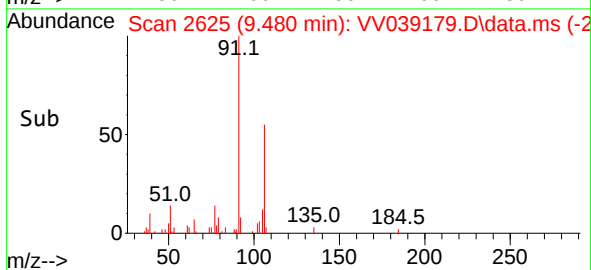
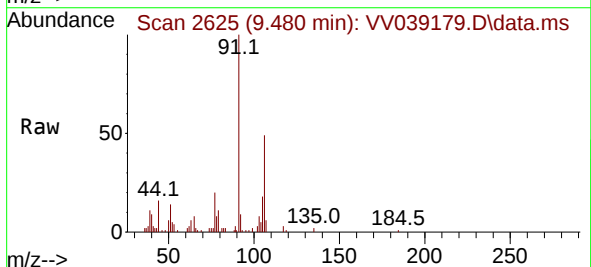
Manual Integrations
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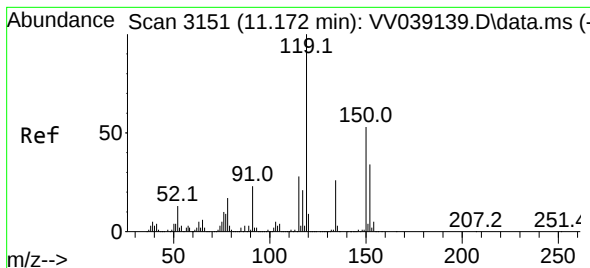
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#69
o-Xylene
Concen: 0.761 ug/l
RT: 9.480 min Scan# 2625
Delta R.T. 0.013 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

Tgt Ion:106 Resp: 8550
Ion Ratio Lower Upper
106 100
91 198.5 109.1 327.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV039179.D

Acq: 25 Sep 2025 14:25

Instrument :

MSVOA_V

ClientSampleId :

MW2DL2

Tgt Ion:152 Resp: 406825

Ion Ratio Lower Upper

152 100

115 62.4 44.8 134.4

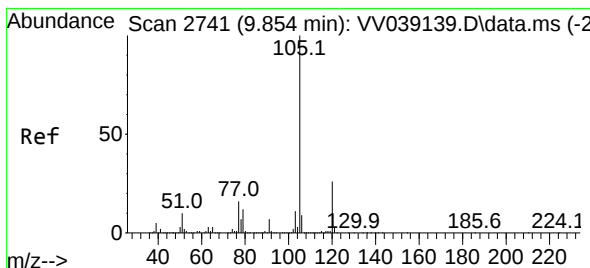
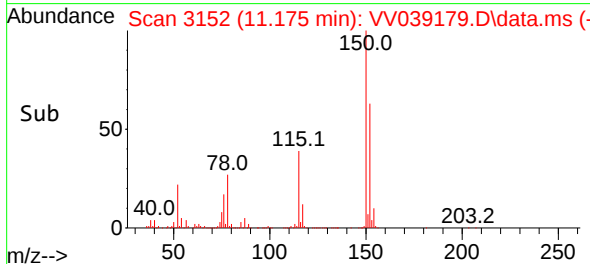
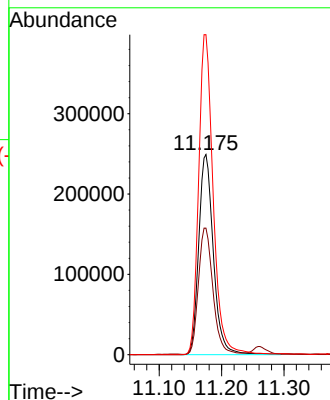
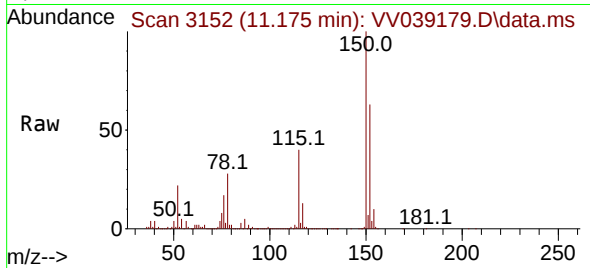
150 158.5 0.0 353.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#73

Isopropylbenzene

Concen: 2.179 ug/l

RT: 9.860 min Scan# 2743

Delta R.T. 0.006 min

Lab File: VV039179.D

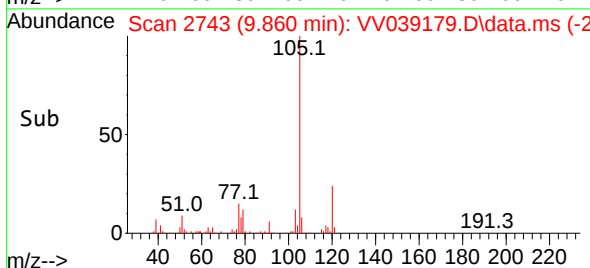
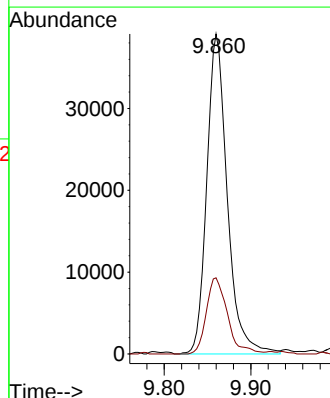
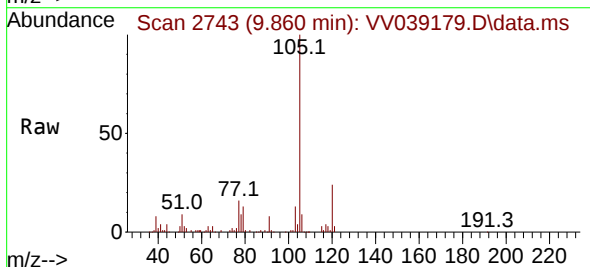
Acq: 25 Sep 2025 14:25

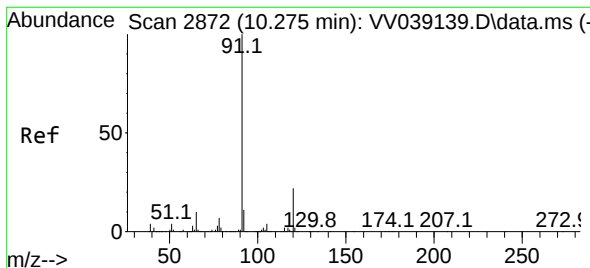
Tgt Ion:105 Resp: 64305

Ion Ratio Lower Upper

105 100

120 24.6 13.1 39.1





#78

n-propylbenzene

Concen: 5.890 ug/l

RT: 10.281 min Scan# 211654

Delta R.T. 0.006 min

Lab File: VV039179.D

Acq: 25 Sep 2025 14:25

Instrument :

MSVOA_V

ClientSampleId :

MW2DL2

Tgt Ion: 91 Resp: 211654

Ion Ratio Lower Upper

91 100

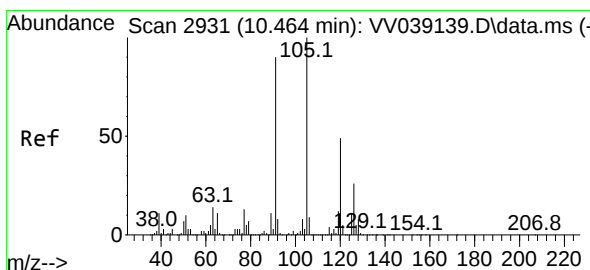
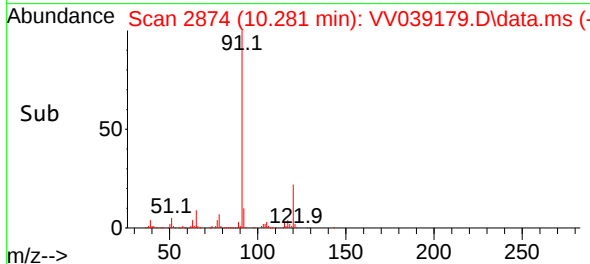
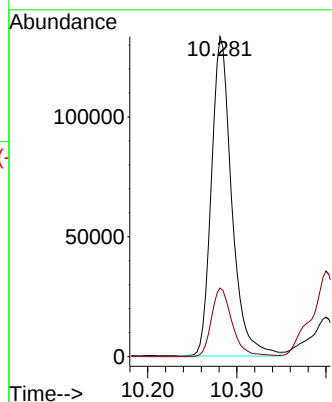
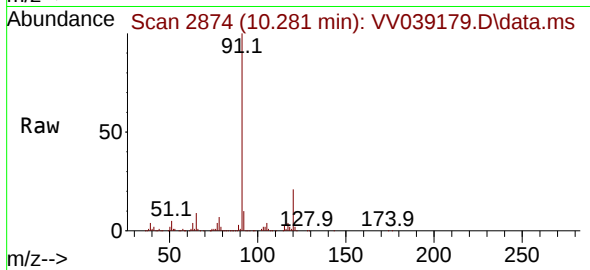
120 22.0 11.1 33.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 10.918 ug/l

RT: 10.468 min Scan# 2932

Delta R.T. 0.003 min

Lab File: VV039179.D

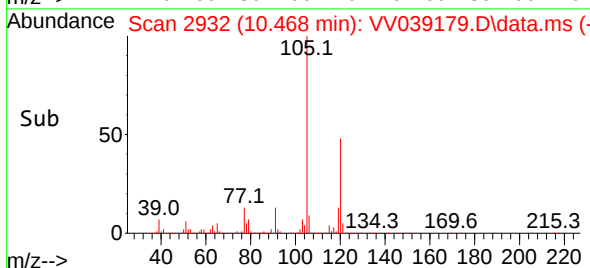
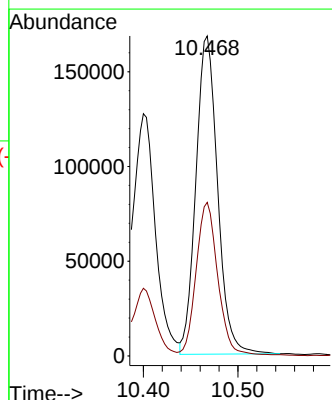
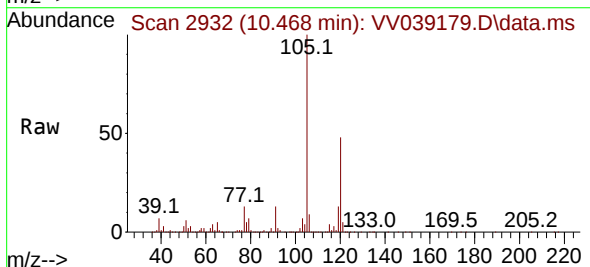
Acq: 25 Sep 2025 14:25

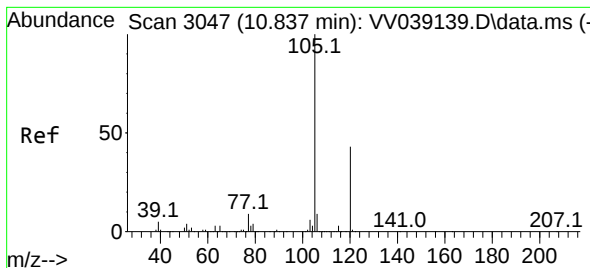
Tgt Ion:105 Resp: 267764

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 50.943 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV039179.D

Acq: 25 Sep 2025 14:25

Instrument :

MSVOA_V

ClientSampleId :

MW2DL2

Tgt Ion:105 Resp: 121298

Ion Ratio Lower Upper

105 100

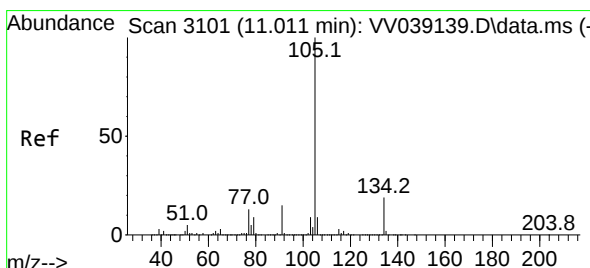
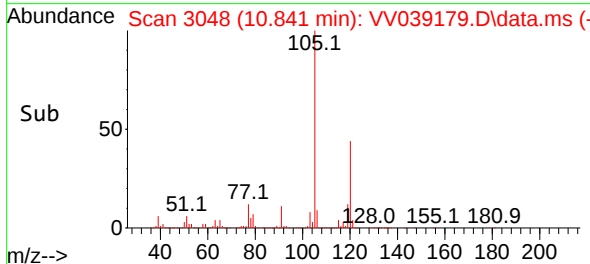
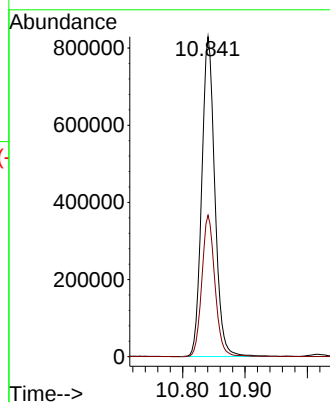
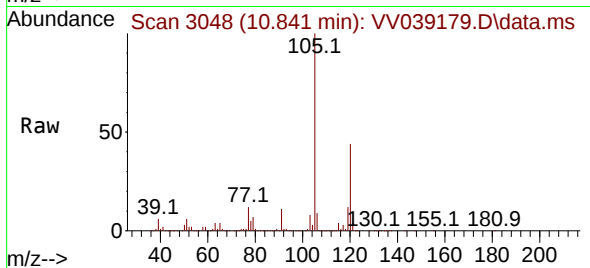
120 44.3 22.4 67.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025

Supervised By :Semsettin Yesilyurt 09/29/2025



#85

sec-Butylbenzene

Concen: 0.351 ug/l m

RT: 11.014 min Scan# 3102

Delta R.T. 0.003 min

Lab File: VV039179.D

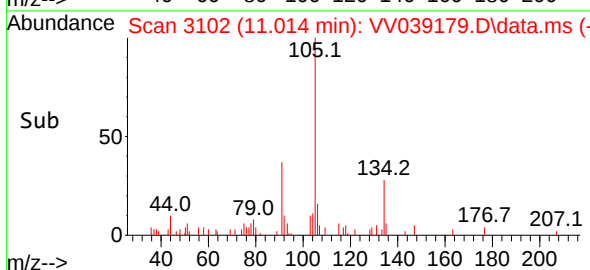
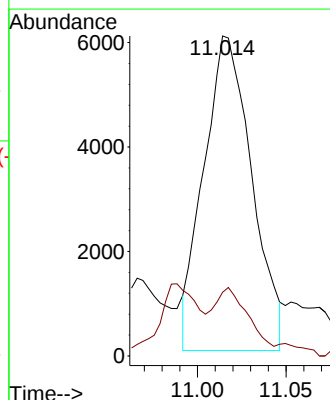
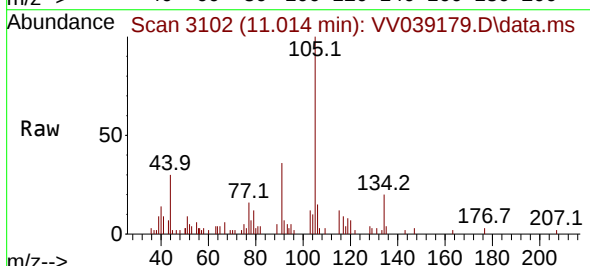
Acq: 25 Sep 2025 14:25

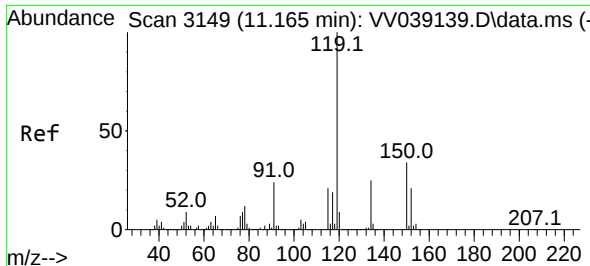
Tgt Ion:105 Resp: 11370

Ion Ratio Lower Upper

105 100

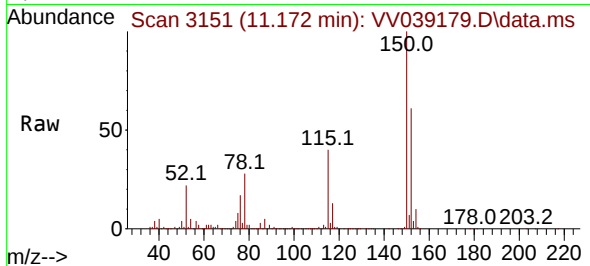
134 3.4 9.6 28.8#





#86
p-Isopropyltoluene
Concen: 0.231 ug/l m
RT: 11.172 min Scan# 3149
Delta R.T. 0.006 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

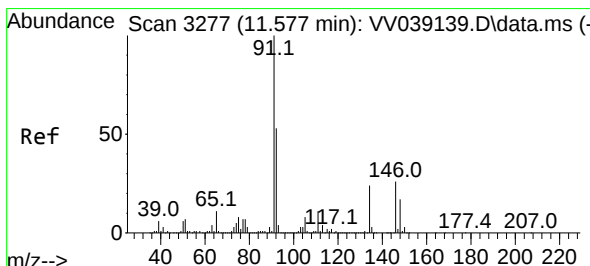
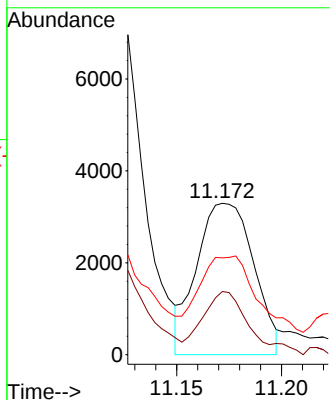
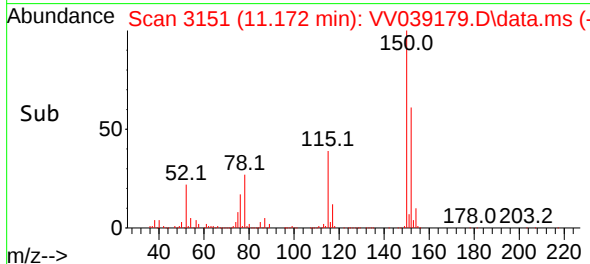
Instrument :
MSVOA_V
ClientSampleId :
MW2DL2



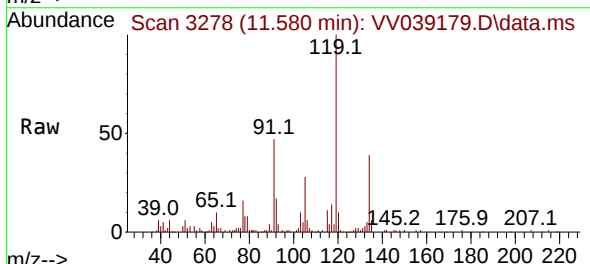
Tgt Ion: 119 Resp: 6248
Ion Ratio Lower Upper
119 100
134 51.4 12.7 38.0
91 61.4 12.0 36.1

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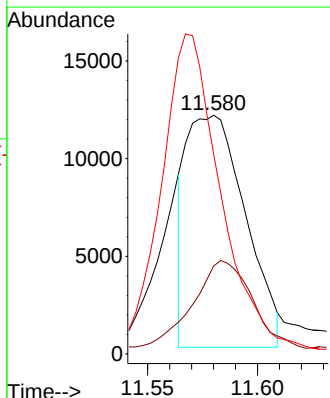
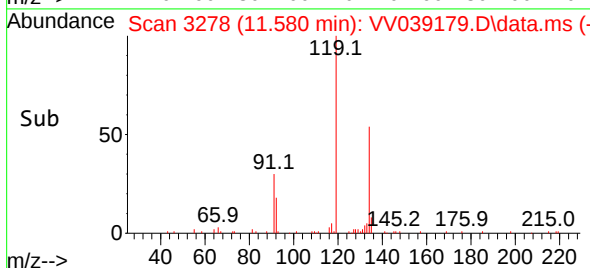
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

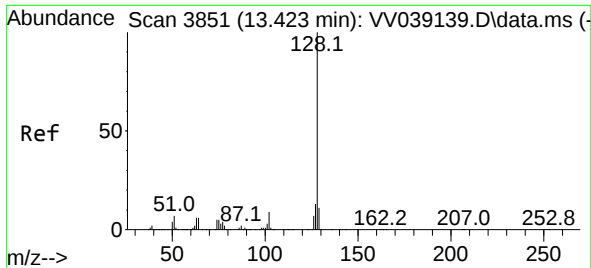


#89
n-Butylbenzene
Concen: 0.858 ug/l m
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25



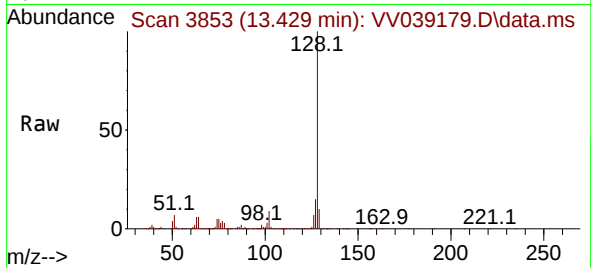
Tgt Ion: 91 Resp: 22134
Ion Ratio Lower Upper
91 100
92 44.1 26.6 79.8
134 135.1 12.1 36.3





#95
Naphthalene
Concen: 12.801 ug/l
RT: 13.429 min Scan# 3853
Delta R.T. 0.006 min
Lab File: VV039179.D
Acq: 25 Sep 2025 14:25

Instrument :
MSVOA_V
ClientSampleId :
MW2DL2



Tgt Ion:128 Resp: 34333
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.9 8.6 13.0

Manual Integrations
APPROVED

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

