

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
 Data File : VV039270.D
 Acq On : 06 Oct 2025 13:56
 Operator : SY/MD
 Sample : Q3201-05DL 40X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW1DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/07/2025
 Supervised By :Semsettin Yesilyurt 10/07/2025

Quant Time: Oct 07 03:34:03 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	525555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	878942	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	886561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	514429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	369180	48.536	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	97.080%		
35) Dibromofluoromethane	4.500	113	371074	52.516	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	105.040%		
50) Toluene-d8	7.236	98	903765	43.549	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	87.100%#		
62) 4-Bromofluorobenzene	10.001	95	466453	54.598	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	109.200%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.574	59	16068	9.995	ug/l	96
39) Methylcyclohexane	6.050	83	8457	0.656	ug/l	96
40) Benzene	5.011	78	351785	10.112	ug/l	99
52) Toluene	7.317	92	71741	3.557	ug/l	98
67) Ethyl Benzene	8.937	91	944302	25.262	ug/l	100
68) m/p-Xylenes	9.062	106	553320	38.352	ug/l	99
69) o-Xylene	9.477	106	16173	1.266	ug/l	81
73) Isopropylbenzene	9.857	105	294641	7.897	ug/l	99
78) n-propylbenzene	10.278	91	431195	9.490	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	221695	7.148	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	296085	9.834	ug/l	100
85) sec-Butylbenzene	11.017	105	11710	0.285	ug/l	94
89) n-Butylbenzene	11.580	91	13567m	0.416	ug/l	
95) Naphthalene	13.432	128	86115	2.539	ug/l	98

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

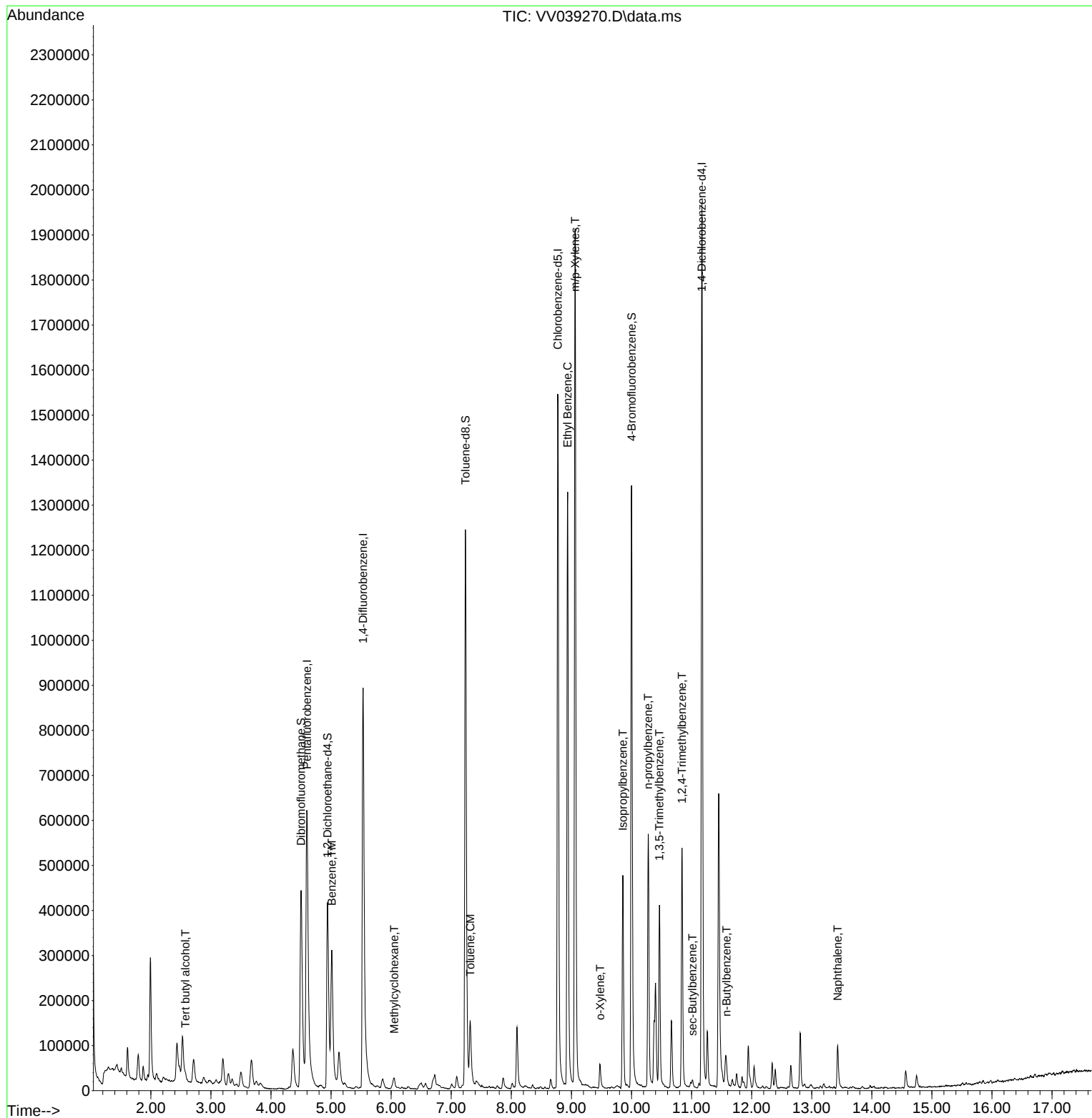
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
Data File : VV039270.D
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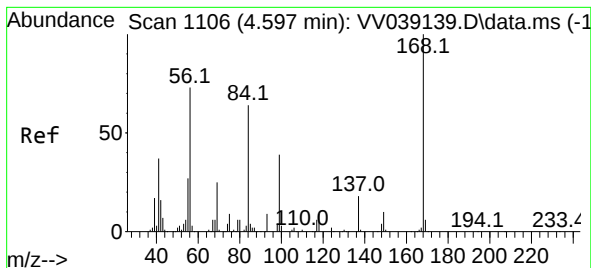
Instrument :
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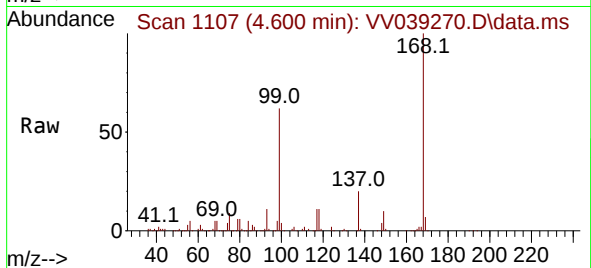
Quant Time: Oct 07 03:34:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

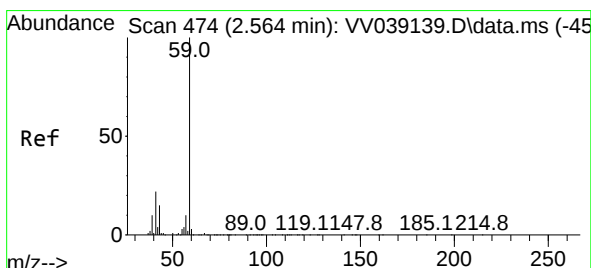
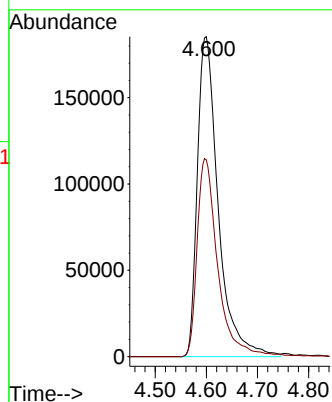
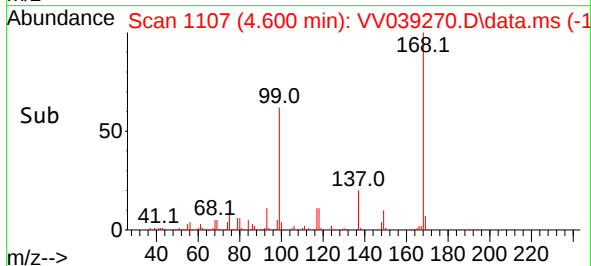
Instrument :
MSVOA_V
ClientSampleId :
MW1DL



Tgt Ion:168 Resp: 52555
Ion Ratio Lower Upper
168 100
99 61.5 49.6 74.4

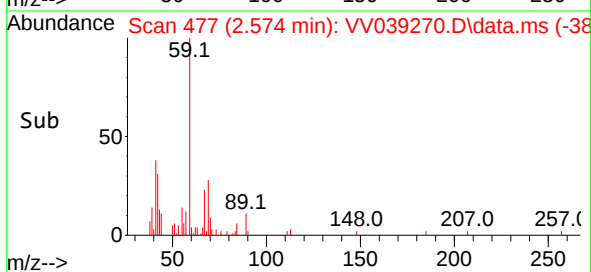
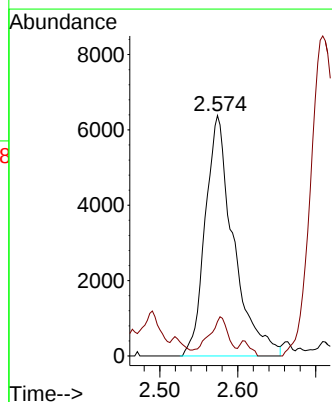
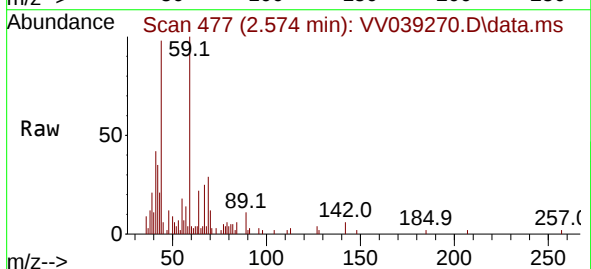
Manual Integrations
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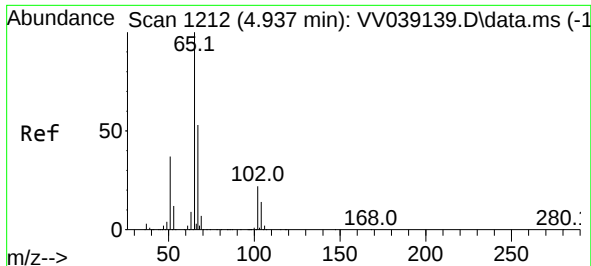
Reviewed By :Mahesh Dadoda 10/07/2025
Supervised By :Semsettin Yesilyurt 10/07/2025



#11
Tert butyl alcohol
Concen: 9.995 ug/l
RT: 2.574 min Scan# 477
Delta R.T. 0.010 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

Tgt Ion: 59 Resp: 16068
Ion Ratio Lower Upper
59 100
57 11.4 7.8 11.8





#33

1,2-Dichloroethane-d4

Concen: 48.536 ug/l

RT: 4.940 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MW1DL

Tgt Ion: 65 Resp: 369180

Ion Ratio Lower Upper

65 100

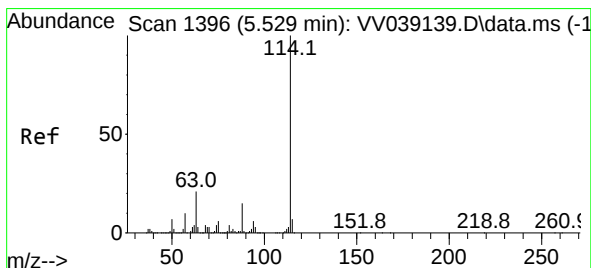
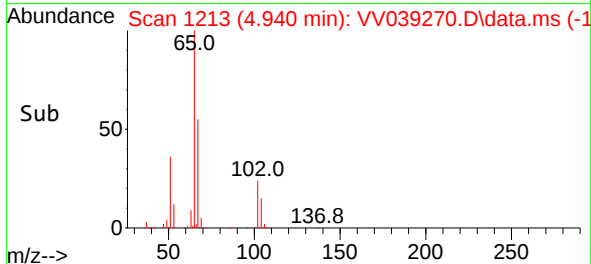
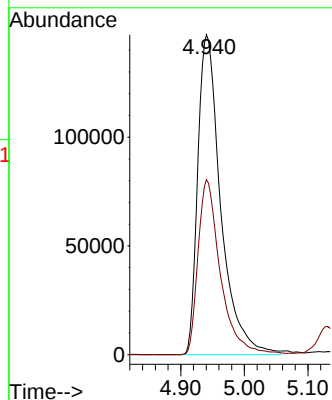
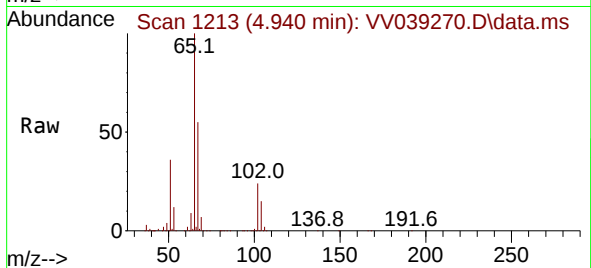
67 53.3 0.0 107.0

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: VV039270.D

Acq: 06 Oct 2025 13:56

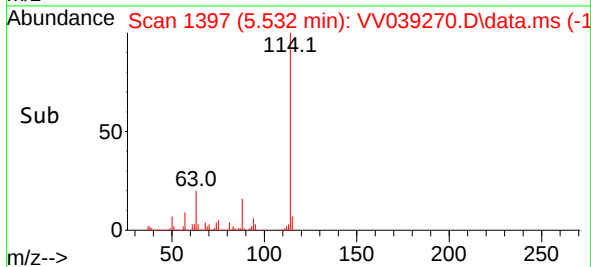
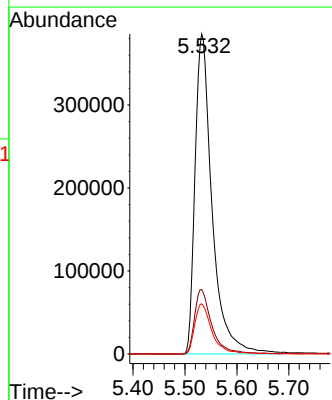
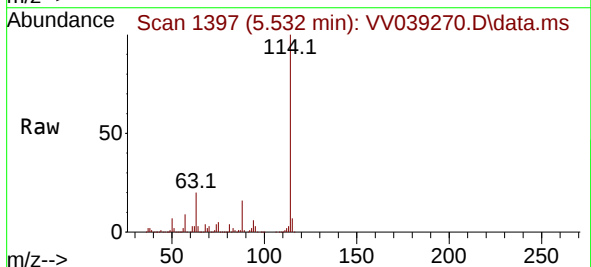
Tgt Ion:114 Resp: 878942

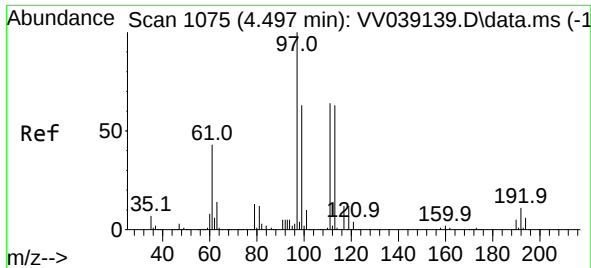
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

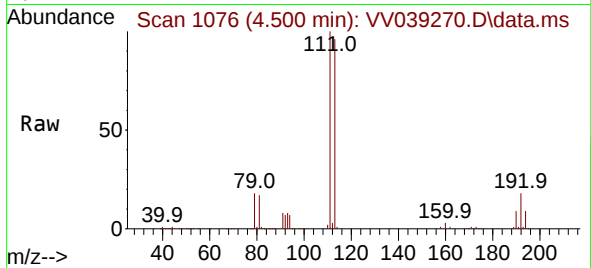
88 15.7 0.0 30.8





#35
Dibromofluoromethane
Concen: 52.516 ug/l
RT: 4.500 min Scan# 1075
Delta R.T. 0.003 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

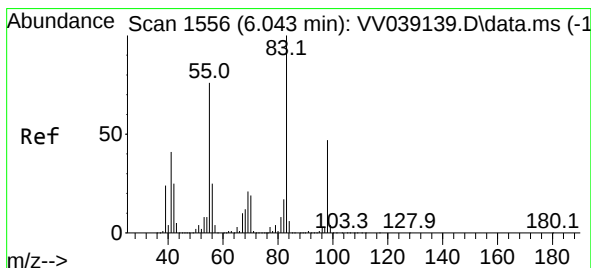
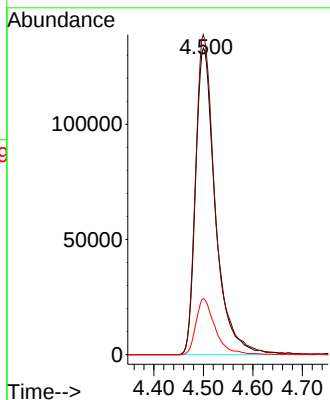
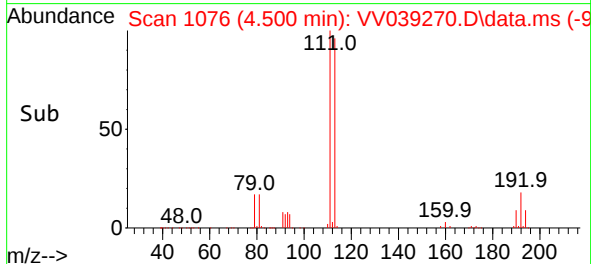
Instrument :
MSVOA_V
ClientSampleId :
MW1DL



Tgt Ion: 113 Resp: 371074
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 17.8 13.8 20.8

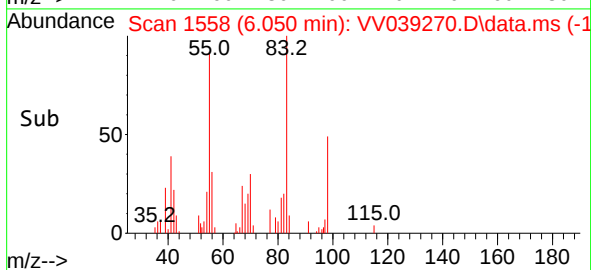
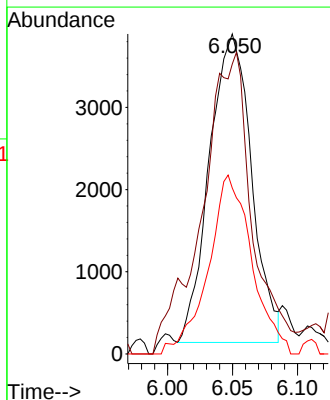
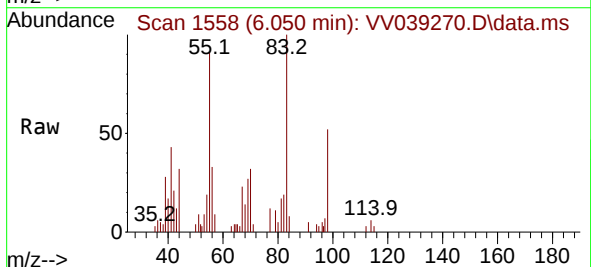
Manual Integrations
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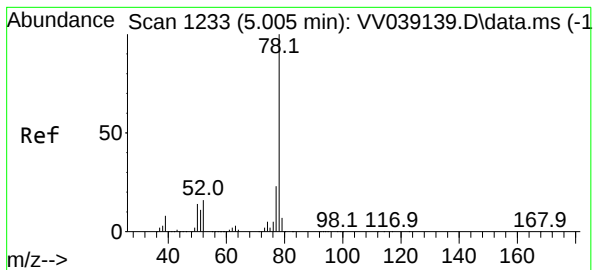
Reviewed By :Mahesh Dadoda 10/07/2025
Supervised By :Semsettin Yesilyurt 10/07/2025



#39
Methylcyclohexane
Concen: 0.656 ug/l
RT: 6.050 min Scan# 1558
Delta R.T. 0.007 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

Tgt Ion: 83 Resp: 8457
Ion Ratio Lower Upper
83 100
55 79.3 60.5 90.7
98 49.7 37.8 56.6





#40

Benzene

Concen: 10.112 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.006 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MW1DL

Tgt Ion: 78 Resp: 35178

Ion Ratio Lower Upper

78 100

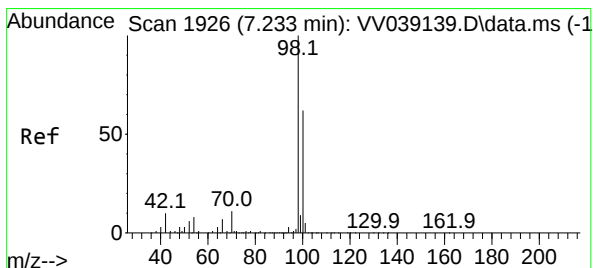
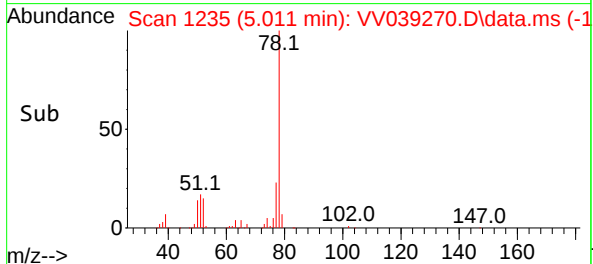
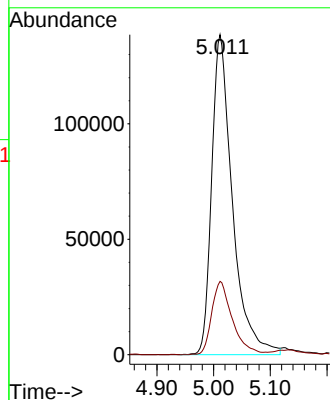
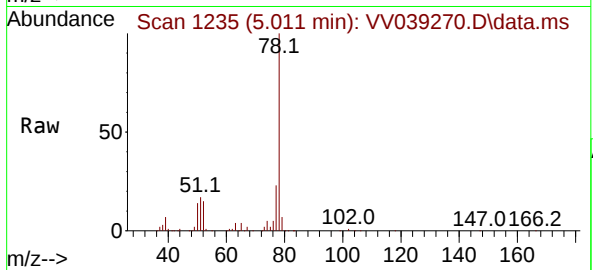
77 22.9 18.7 28.1

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/07/2025



#50

Toluene-d8

Concen: 43.549 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039270.D

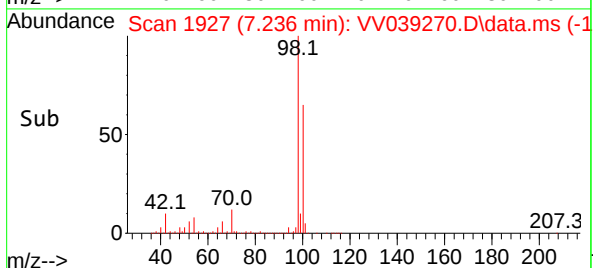
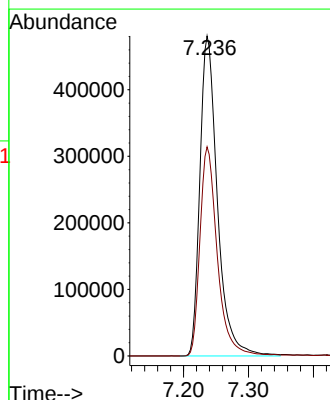
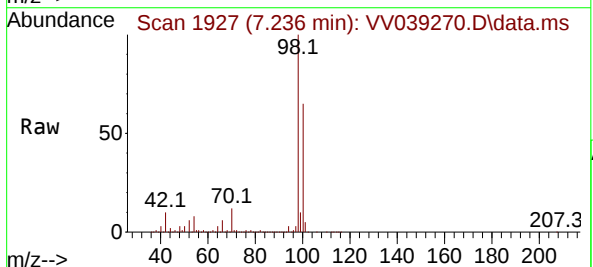
Acq: 06 Oct 2025 13:56

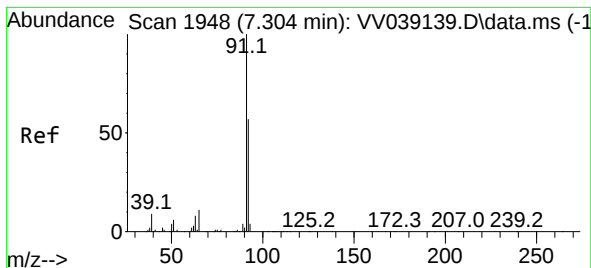
Tgt Ion: 98 Resp: 903765

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2





#52

Toluene

Concen: 3.557 ug/l

RT: 7.317 min Scan# 1948

Delta R.T. 0.013 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MW1DL

Tgt Ion: 92 Resp: 7174

Ion Ratio Lower Upper

92 100

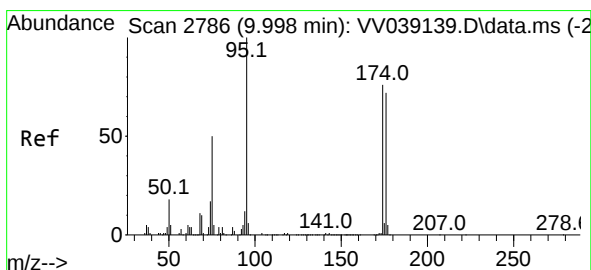
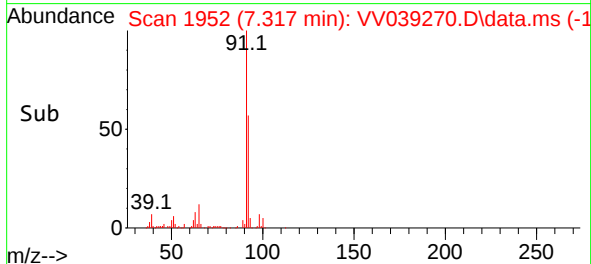
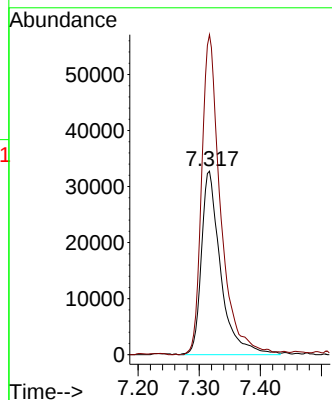
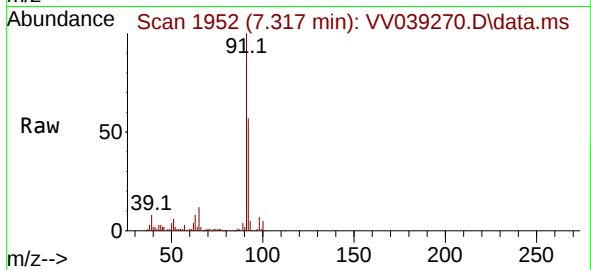
91 170.9 139.2 208.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/07/2025



#62

4-Bromofluorobenzene

Concen: 54.598 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

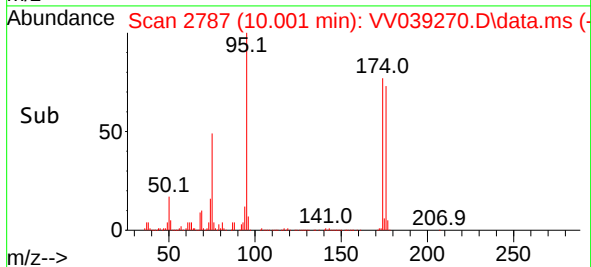
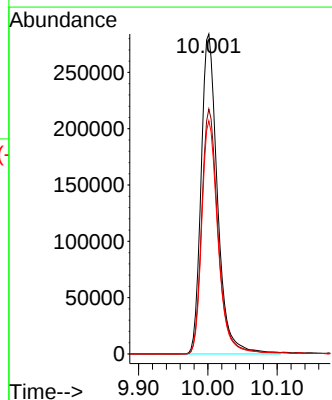
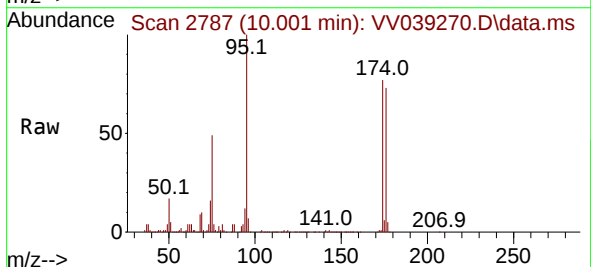
Tgt Ion: 95 Resp: 466453

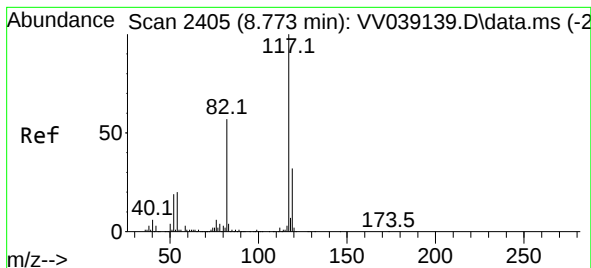
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

176 72.7 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

Instrument :

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ClientSampleId :

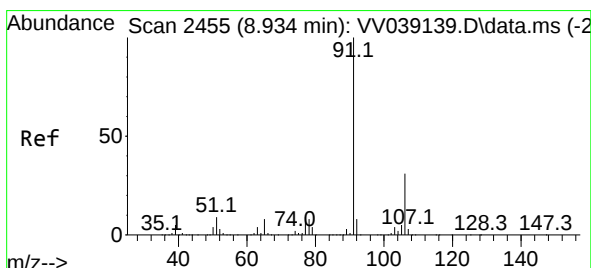
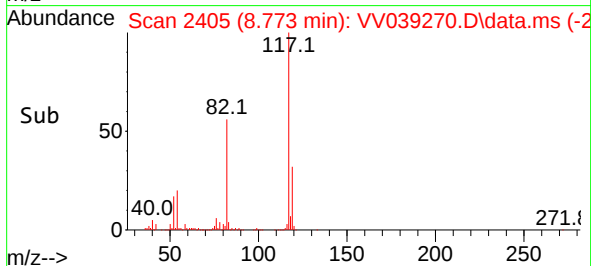
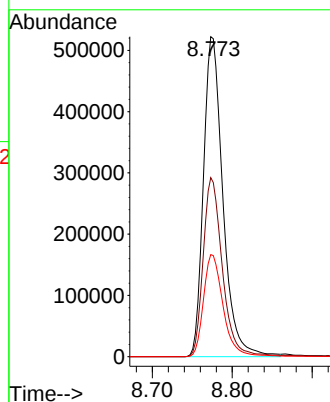
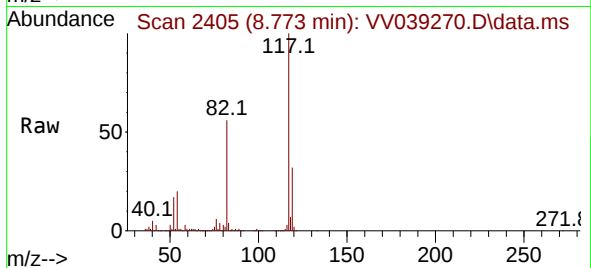
MW1DL

Tgt Ion:	117	Resp:	88656
Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.4	68.2
119	31.9	25.6	38.4

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/07/2025



#67

Ethyl Benzene

Concen: 25.262 ug/l

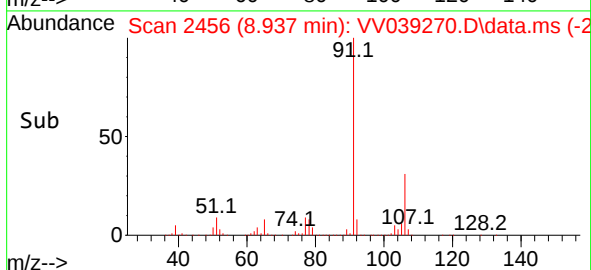
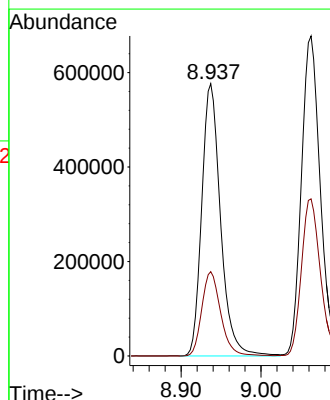
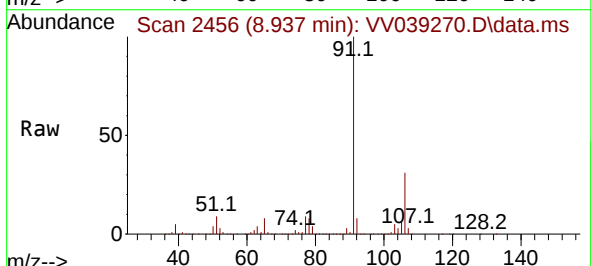
RT: 8.937 min Scan# 2456

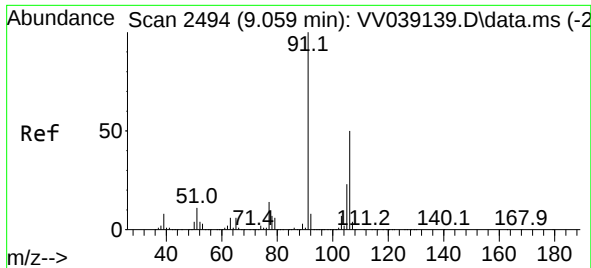
Delta R.T. 0.003 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

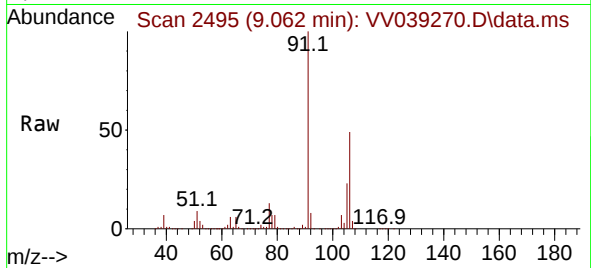
Tgt Ion:	91	Resp:	944302
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	37.0





#68
m/p-Xylenes
Concen: 38.352 ug/l
RT: 9.062 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

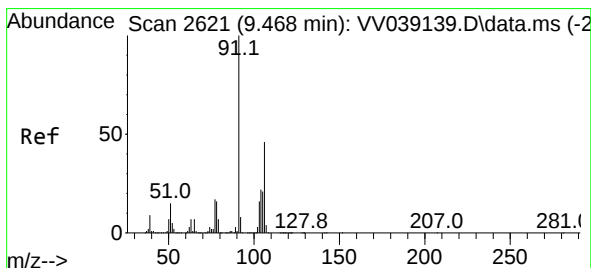
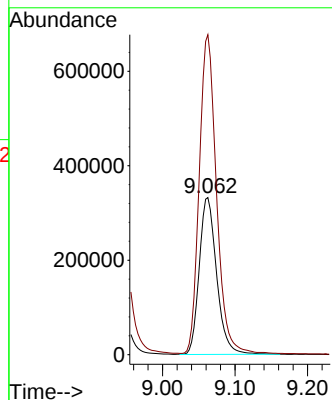
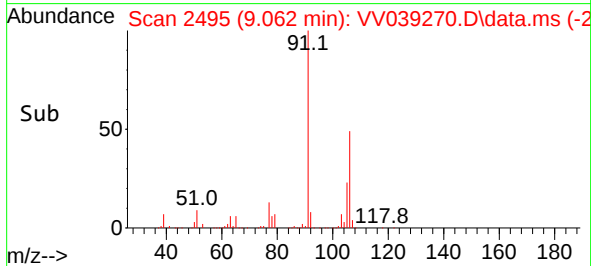
Instrument :
MSVOA_V
ClientSampleId :
MW1DL



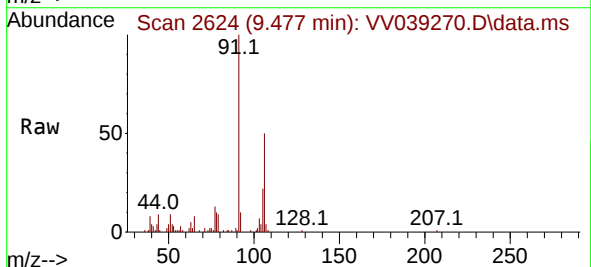
Tgt Ion:106 Resp: 553320
Ion Ratio Lower Upper
106 100
91 204.4 162.5 243.7

Manual Integrations
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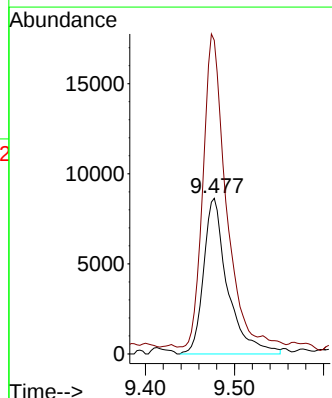
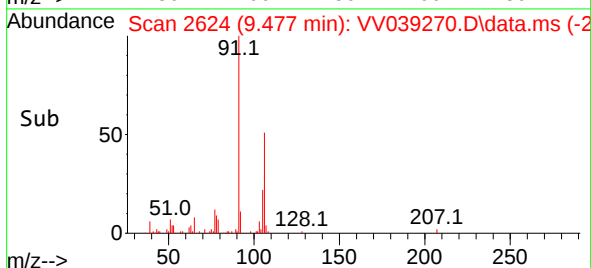
Reviewed By :Mahesh Dadoda 10/07/2025
Supervised By :Semsettin Yesilyurt 10/07/2025

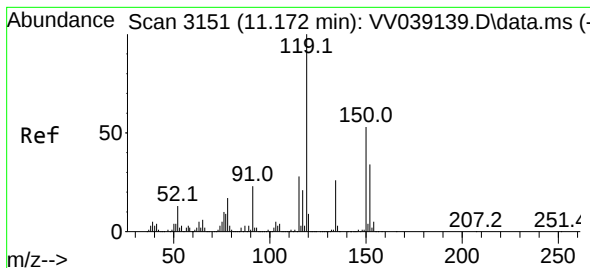


#69
o-Xylene
Concen: 1.266 ug/l
RT: 9.477 min Scan# 2624
Delta R.T. 0.010 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56



Tgt Ion:106 Resp: 16173
Ion Ratio Lower Upper
106 100
91 187.7 109.1 327.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MW1DL

Tgt Ion:152 Resp: 514429

Ion Ratio Lower Upper

152 100

115 61.9 44.8 134.4

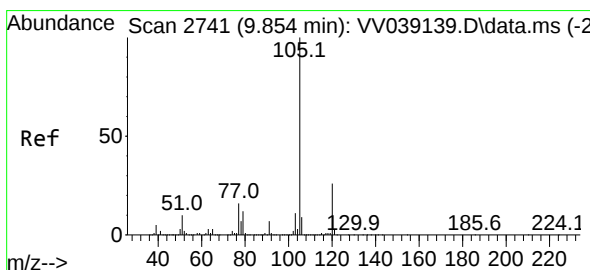
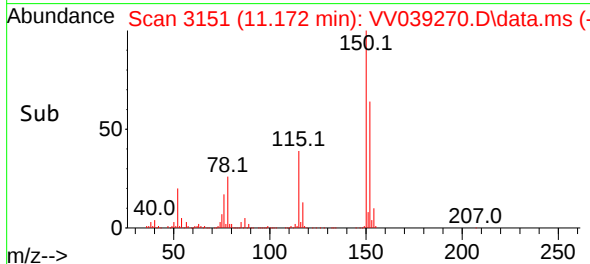
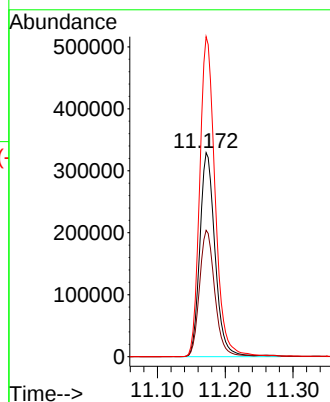
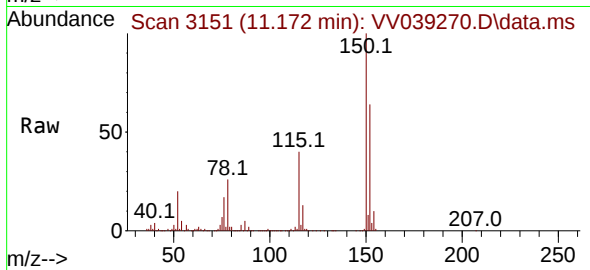
150 158.1 0.0 353.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/07/2025

Supervised By :Semsettin Yesilyurt 10/07/2025



#73

Isopropylbenzene

Concen: 7.897 ug/l

RT: 9.857 min Scan# 2742

Delta R.T. 0.003 min

Lab File: VV039270.D

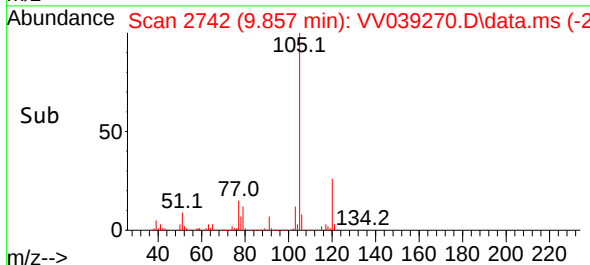
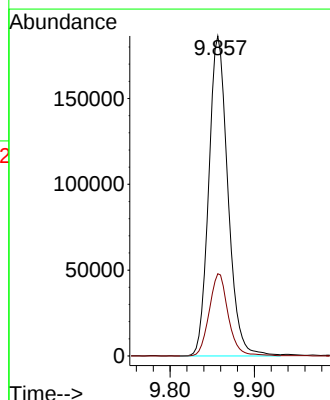
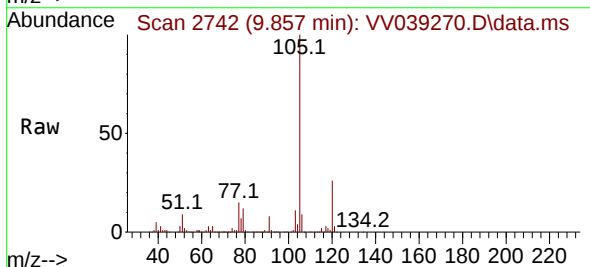
Acq: 06 Oct 2025 13:56

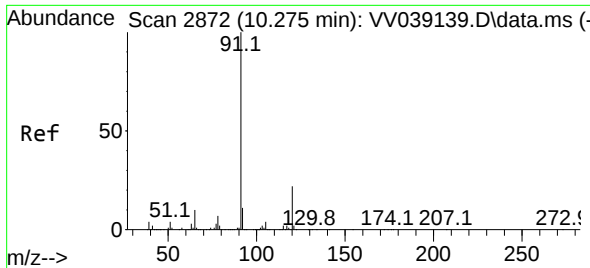
Tgt Ion:105 Resp: 294641

Ion Ratio Lower Upper

105 100

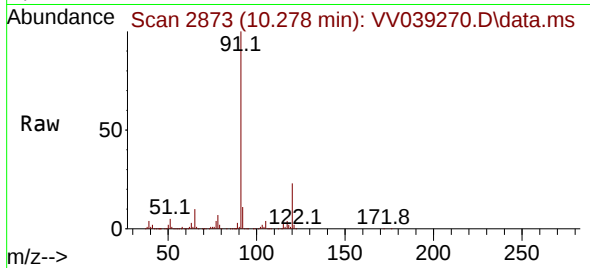
120 25.5 13.1 39.1





#78
n-propylbenzene
Concen: 9.490 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.003 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

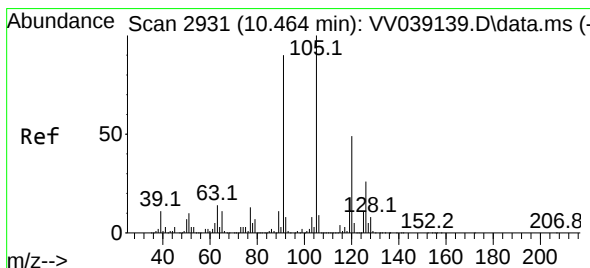
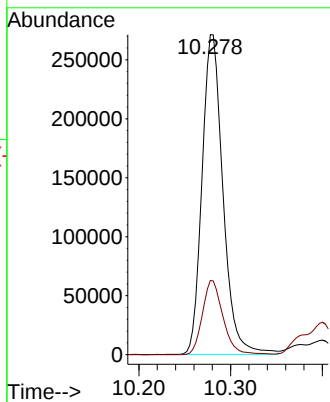
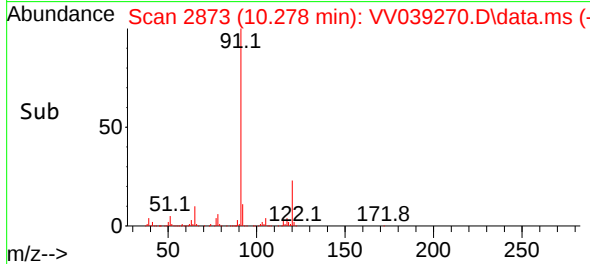
Instrument :
MSVOA_V
ClientSampleId :
MW1DL



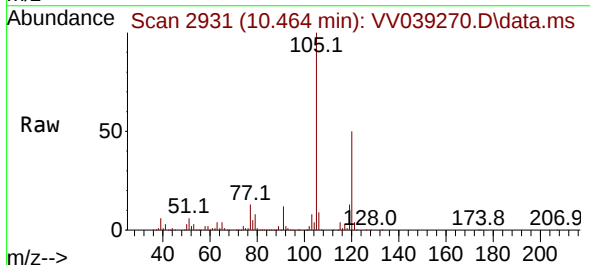
Tgt Ion: 91 Resp: 431195
Ion Ratio Lower Upper
91 100
120 22.8 11.1 33.3

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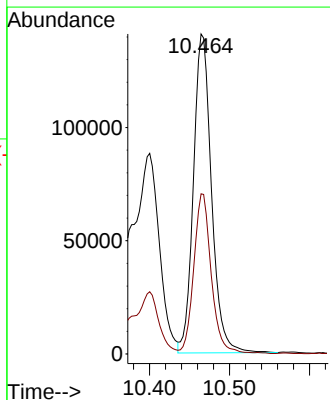
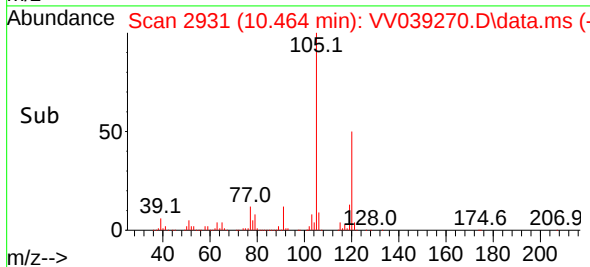
Reviewed By :Mahesh Dadoda 10/07/2025
Supervised By :Semsettin Yesilyurt 10/07/2025

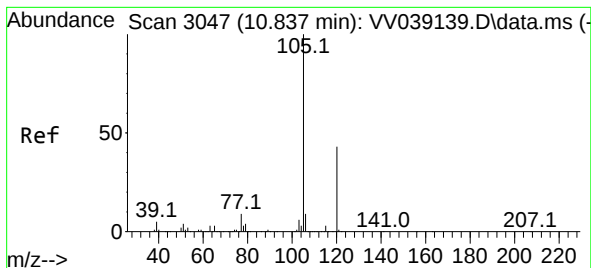


#80
1,3,5-Trimethylbenzene
Concen: 7.148 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56



Tgt Ion:105 Resp: 221695
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 9.834 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV039270.D

Acq: 06 Oct 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MW1DL

Tgt Ion:105 Resp: 29608

Ion Ratio Lower Upper

105 100

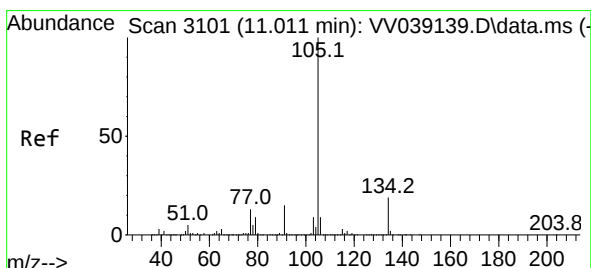
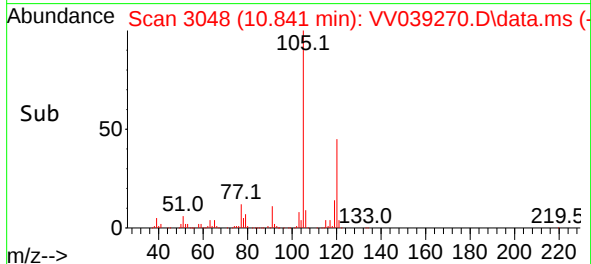
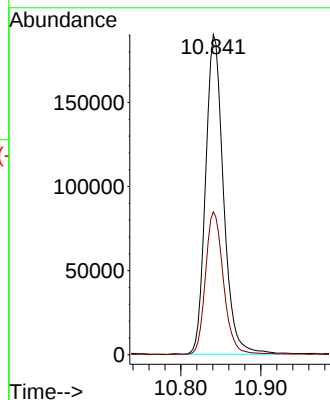
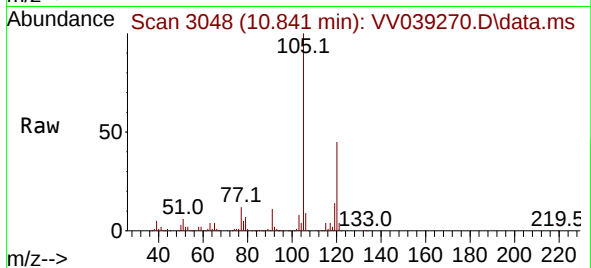
120 44.7 22.4 67.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/07/2025

Supervised By :Semsettin Yesilyurt 10/07/2025



#85

sec-Butylbenzene

Concen: 0.285 ug/l

RT: 11.017 min Scan# 3103

Delta R.T. 0.006 min

Lab File: VV039270.D

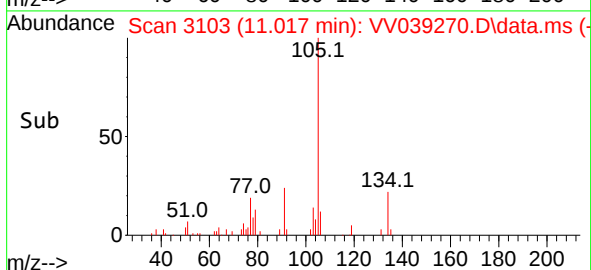
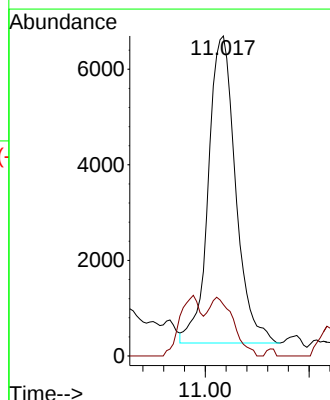
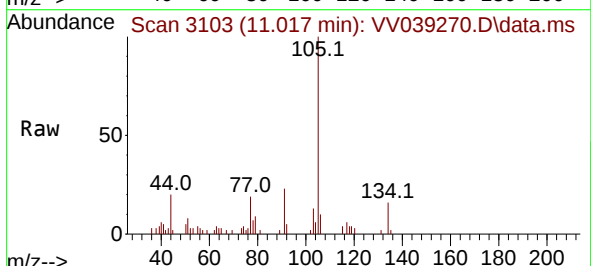
Acq: 06 Oct 2025 13:56

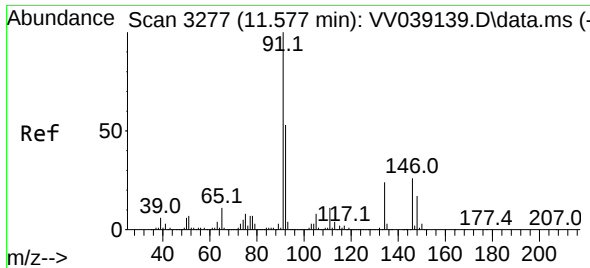
Tgt Ion:105 Resp: 11710

Ion Ratio Lower Upper

105 100

134 16.4 9.6 28.8





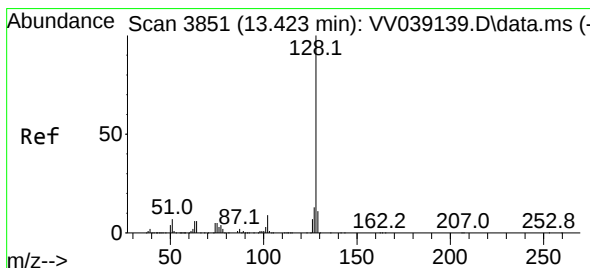
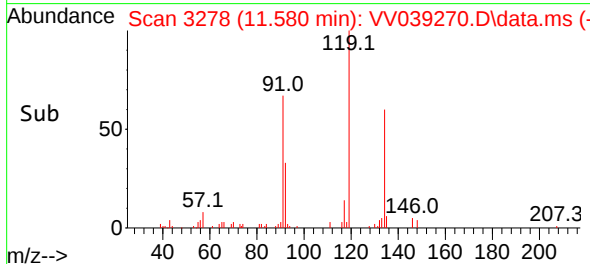
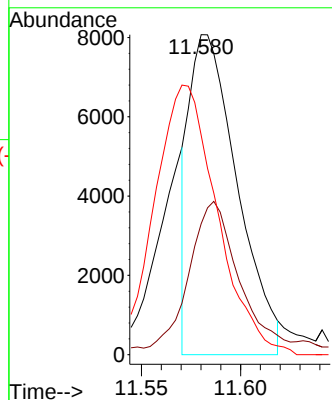
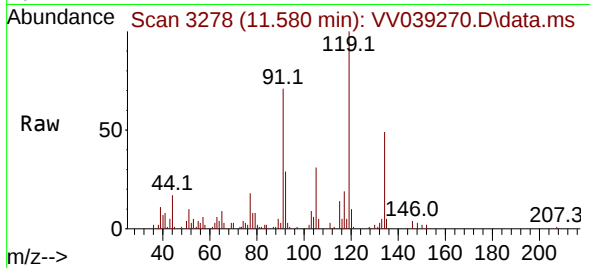
#89
n-Butylbenzene
Concen: 0.416 ug/l m
RT: 11.580 min Scan# 3277
Delta R.T. 0.003 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

Instrument :
MSVOA_V
ClientSampleId :
MW1DL

Tgt Ion: 91 Resp: 1356
Ion Ratio Lower Upper
91 100
92 54.9 26.6 79.8
134 110.4 12.1 36.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/07/2025
Supervised By :Semsettin Yesilyurt 10/07/2025



#95
Naphthalene
Concen: 2.539 ug/l
RT: 13.432 min Scan# 3854
Delta R.T. 0.009 min
Lab File: VV039270.D
Acq: 06 Oct 2025 13:56

Tgt Ion:128 Resp: 86115
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 10.2 8.6 13.0

