

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039153.D
 Acq On : 24 Sep 2025 15:31
 Operator : SY/MD
 Sample : Q3175-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW2

Manual Integrations
 APPROVED

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

Quant Time: Sep 25 04:48:07 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	378275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	655768	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.779	117	600147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.178	152	318916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	244683	44.693	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	89.380%		
35) Dibromofluoromethane	4.503	113	205255	38.934	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	77.860%#		
50) Toluene-d8	7.239	98	737311	47.619	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	95.240%		
62) 4-Bromofluorobenzene	10.005	95	288262	45.224	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	90.440%		
Target Compounds					Qvalue	
17) Carbon Disulfide	2.262	76	26662	1.529	ug/l #	93
31) Cyclohexane	4.583	56	3994761	409.101	ug/l	96
39) Methylcyclohexane	6.046	83	2582048	268.253	ug/l	99
40) Benzene	5.008	78	11848259	456.496	ug/l	98
52) Toluene	7.307	92	1554151	103.275	ug/l	99
67) Ethyl Benzene	8.924	91	32943870m	1301.902	ug/l	
68) m/p-Xylenes	9.059	106	30412638m	3113.968	ug/l	
69) o-Xylene	9.471	106	1043936	120.719	ug/l	99
73) Isopropylbenzene	9.857	105	9939721	429.711	ug/l	99
78) n-propylbenzene	10.268	91	18384305m	652.664	ug/l	
80) 1,3,5-Trimethylbenzene	10.458	105	19445969m	1011.427	ug/l	
84) 1,2,4-Trimethylbenzene	10.831	105	29248488m	1566.967	ug/l	
85) sec-Butylbenzene	11.014	105	1244555	48.943	ug/l	100
86) p-Isopropyltoluene	11.172	119	718828m	33.964	ug/l	
89) n-Butylbenzene	11.574	91	2920675m	144.495	ug/l	
95) Naphthalene	13.413	128	22556658m	1072.874	ug/l	

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

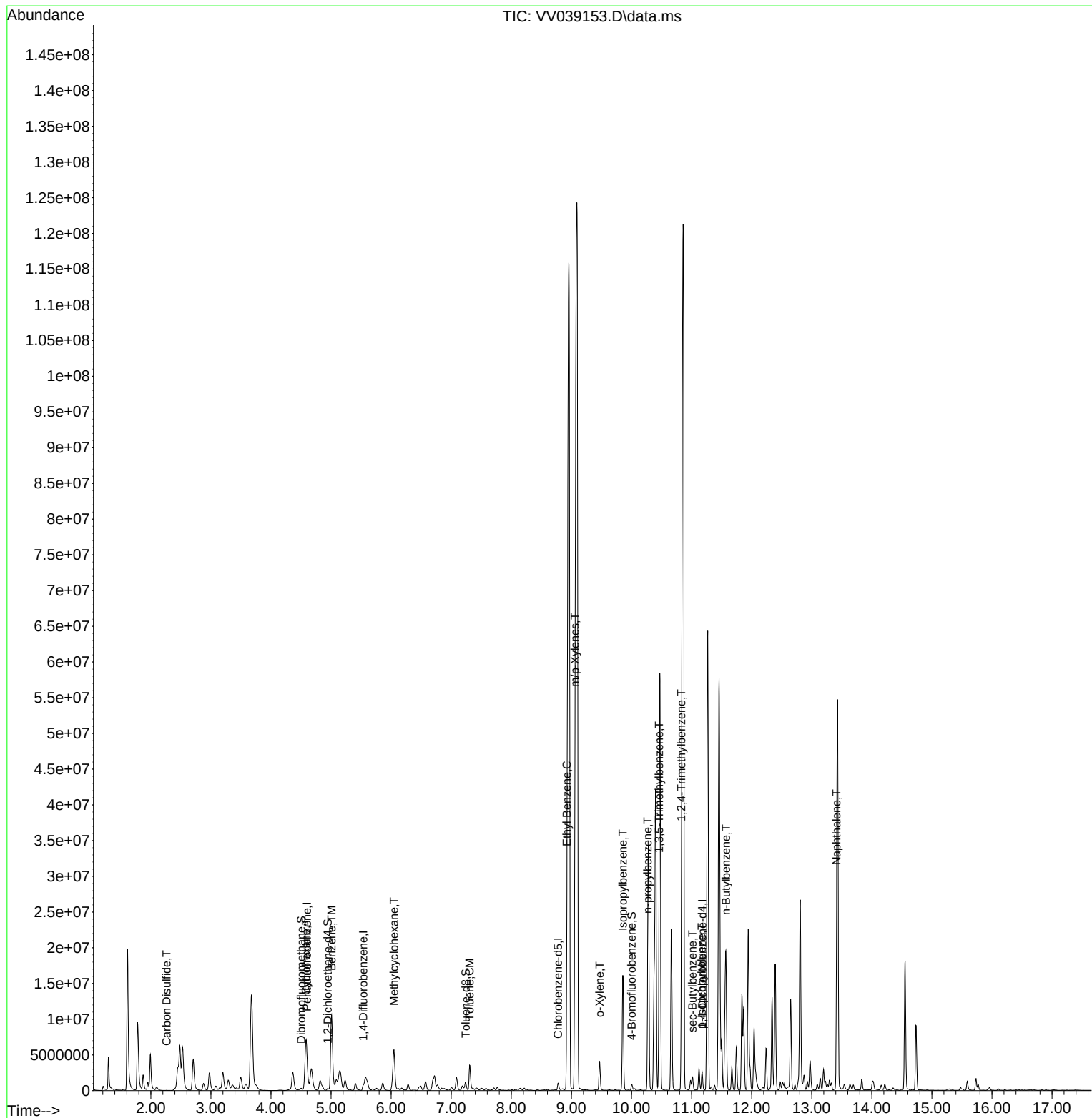
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
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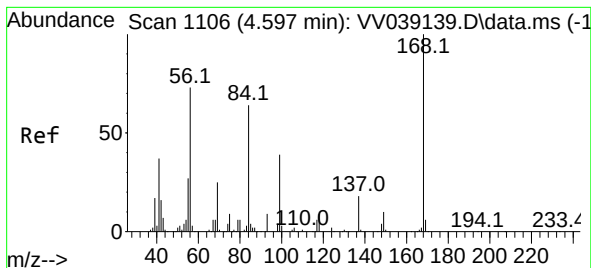
Instrument :
MSVOA_V
ClientSampleId :
MW2

Quant Time: Sep 25 04:48:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
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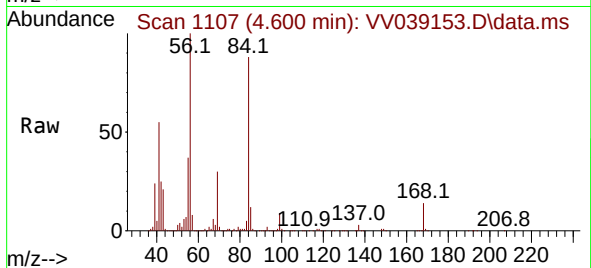
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

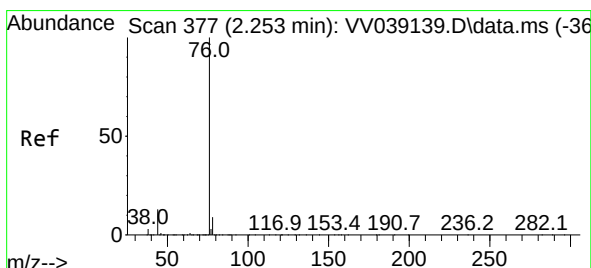
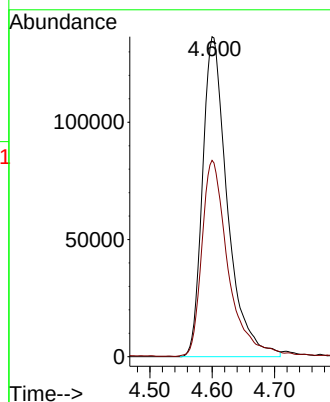
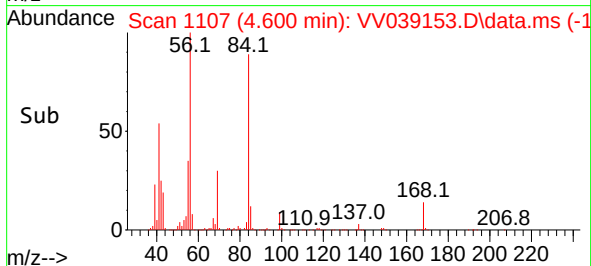
Instrument :
MSVOA_V
ClientSampleId :
MW2



Tgt Ion:168 Resp: 37827
Ion Ratio Lower Upper
168 100
99 61.1 49.6 74.4

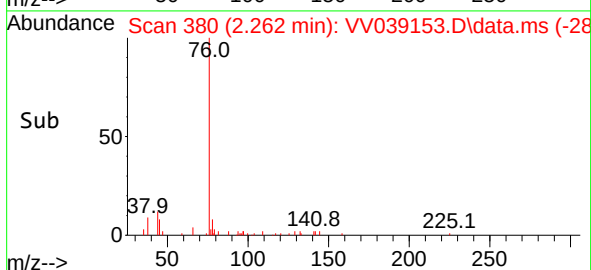
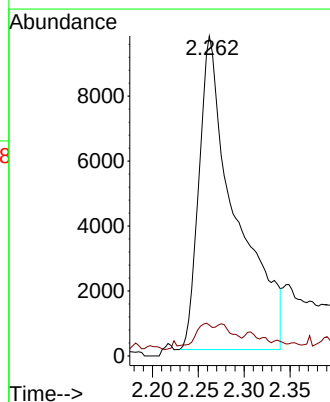
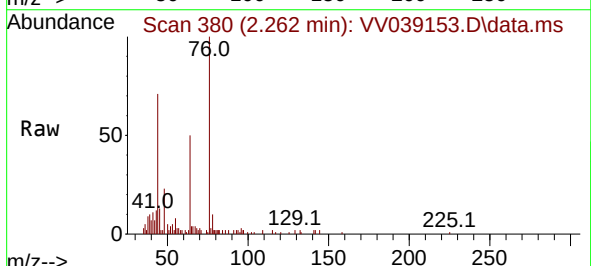
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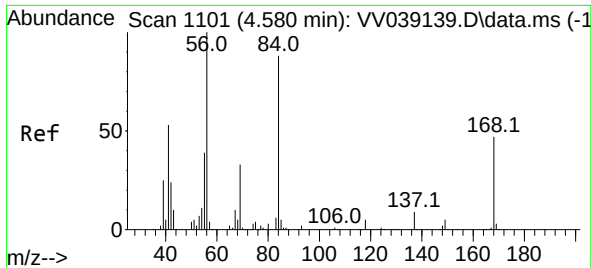
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#17
Carbon Disulfide
Concen: 1.529 ug/l
RT: 2.262 min Scan# 380
Delta R.T. 0.009 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

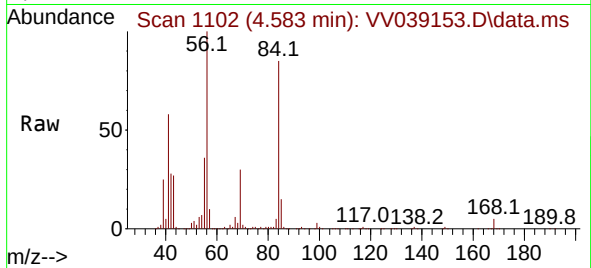
Tgt Ion: 76 Resp: 26662
Ion Ratio Lower Upper
76 100
78 6.5 7.4 11.0#





#31
Cyclohexane
Concen: 409.101 ug/l
RT: 4.583 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

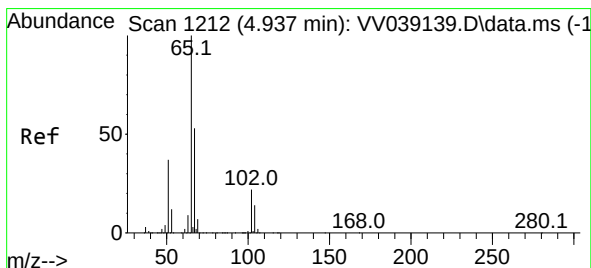
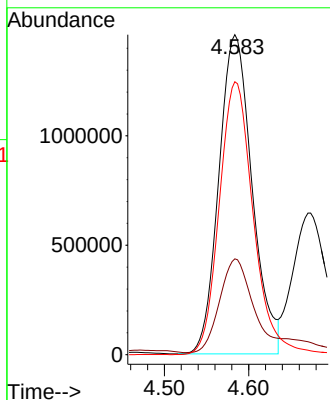
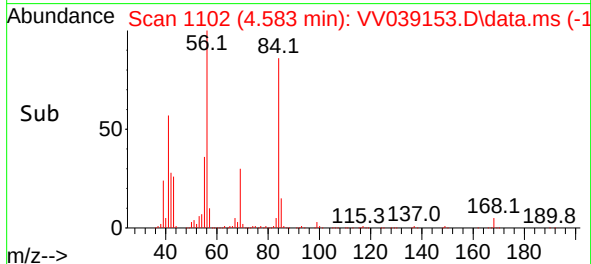
Instrument :
MSVOA_V
ClientSampleId :
MW2



Tgt Ion: 56 Resp: 399476
Ion Ratio Lower Upper
56 100
69 29.2 26.2 39.2
84 85.5 70.3 105.5

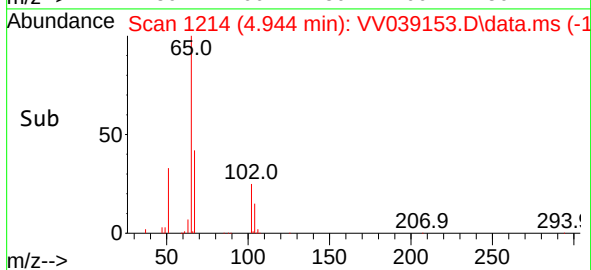
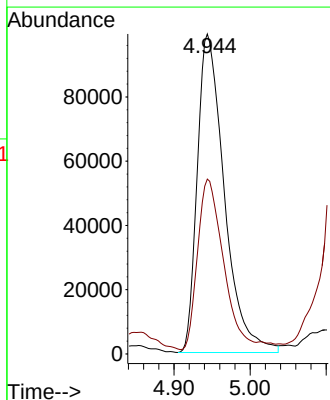
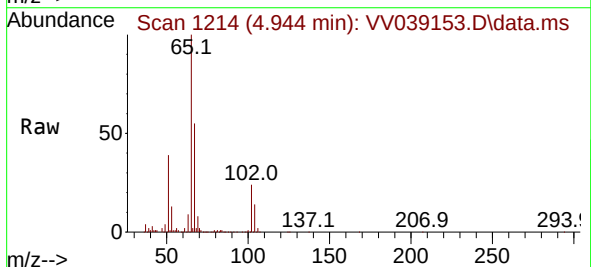
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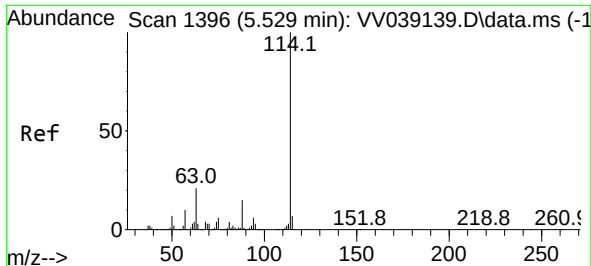
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#33
1,2-Dichloroethane-d4
Concen: 44.693 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 65 Resp: 244683
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 111

Delta R.T. 0.006 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

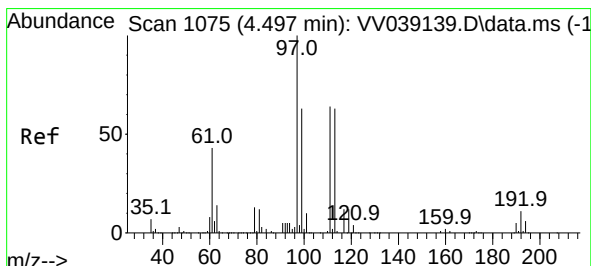
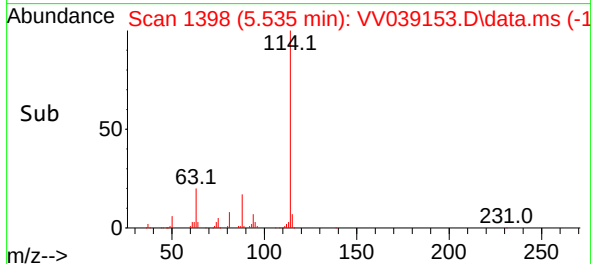
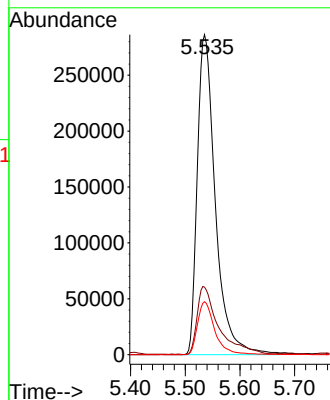
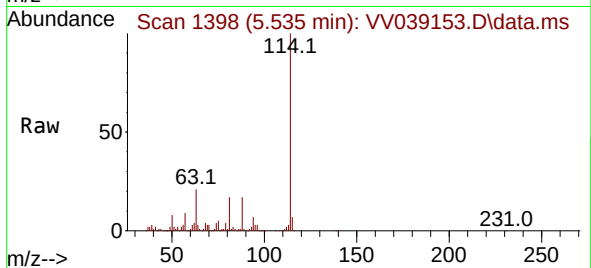
MW2

Tgt Ion:	114	Resp:	65576
Ion Ratio	Lower	Upper	
114	100		
63	20.9	0.0	42.6
88	16.5	0.0	30.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 38.934 ug/l

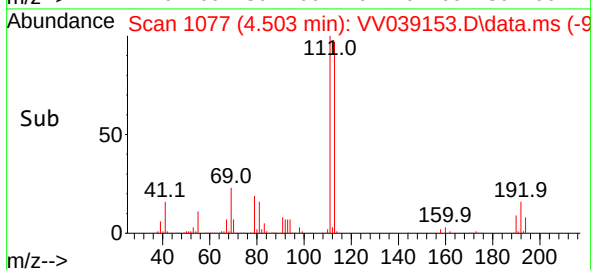
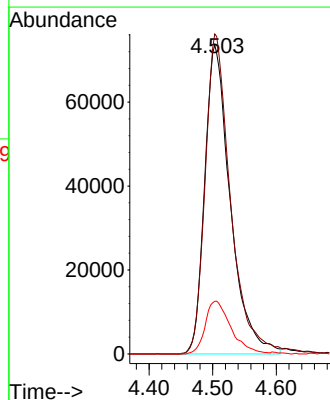
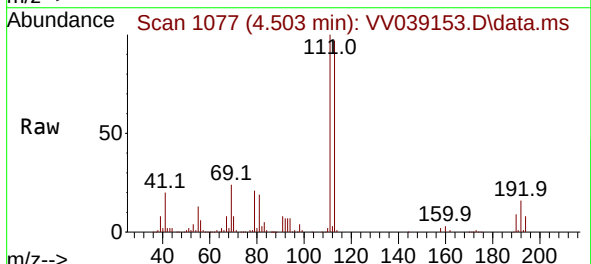
RT: 4.503 min Scan# 1077

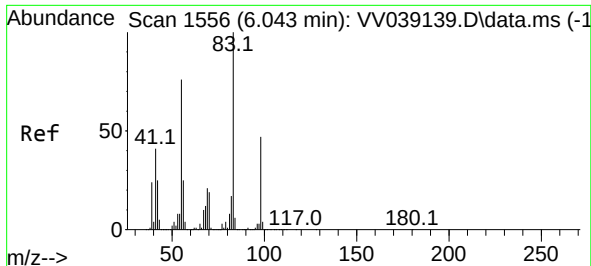
Delta R.T. 0.006 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

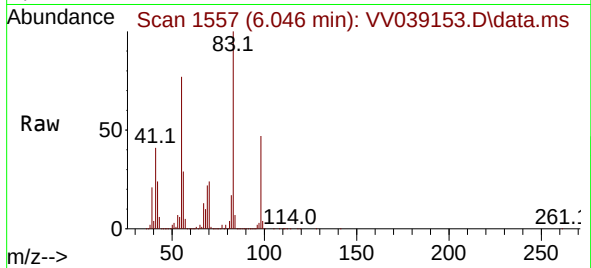
Tgt Ion:	113	Resp:	205255
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.4	123.6
192	17.3	13.8	20.8





#39
Methylcyclohexane
Concen: 268.253 ug/l
RT: 6.046 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

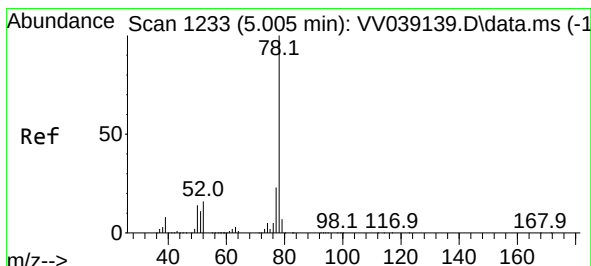
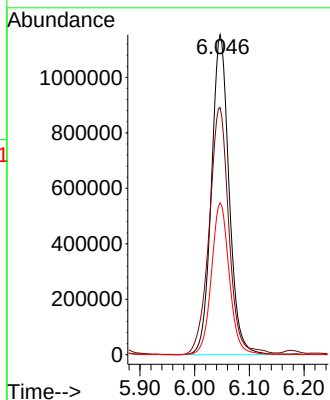
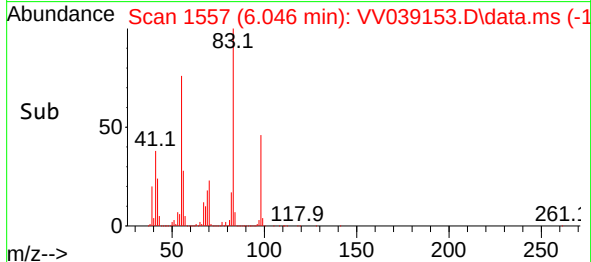
Instrument :
MSVOA_V
ClientSampleId :
MW2



Tgt Ion: 83 Resp: 2582048
Ion Ratio Lower Upper
83 100
55 77.2 60.5 90.7
98 47.4 37.8 56.6

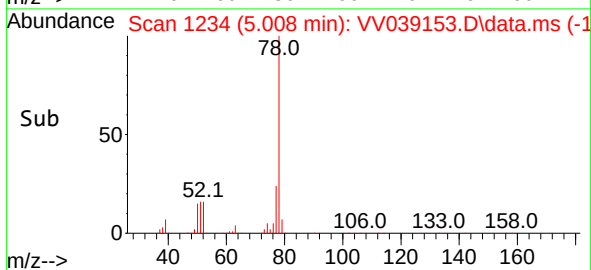
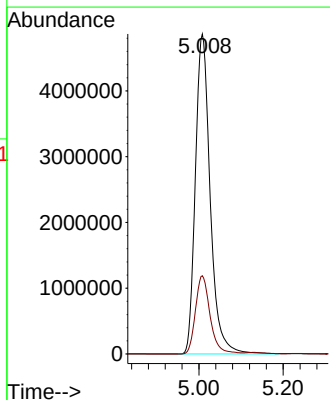
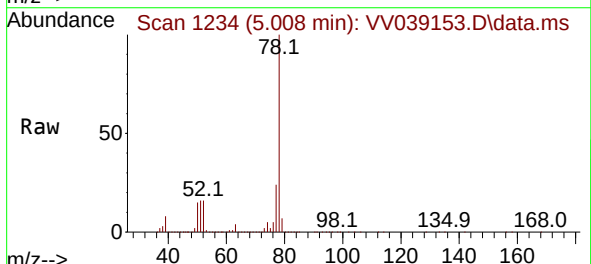
Manual Integrations
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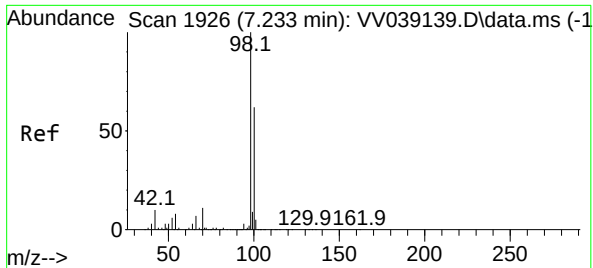
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#40
Benzene
Concen: 456.496 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

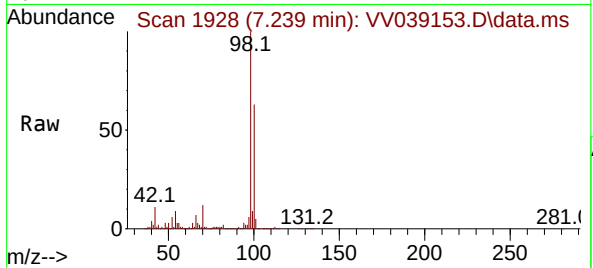
Tgt Ion: 78 Resp:11848259
Ion Ratio Lower Upper
78 100
77 24.4 18.7 28.1





#50
Toluene-d8
Concen: 47.619 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

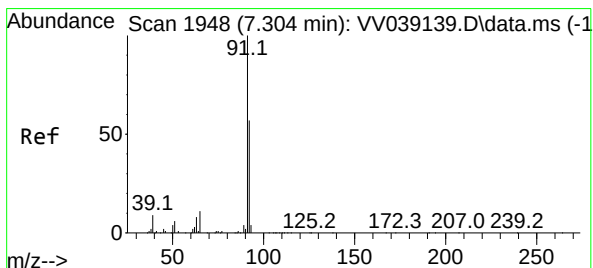
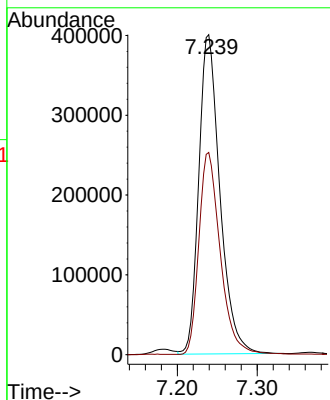
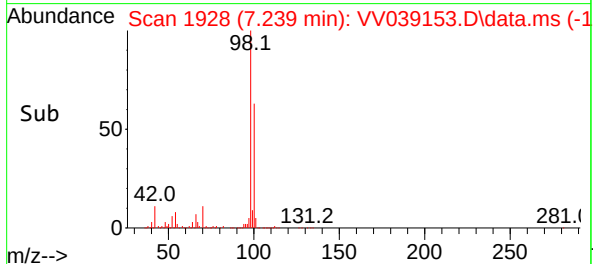
Instrument :
MSVOA_V
ClientSampleId :
MW2



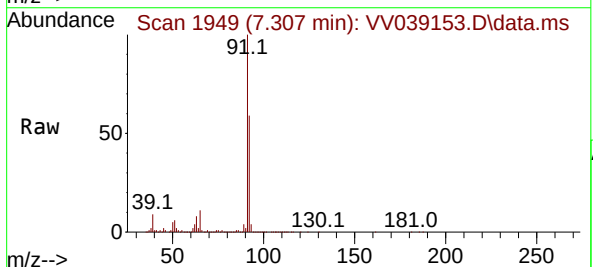
Tgt Ion: 98 Resp: 73731
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

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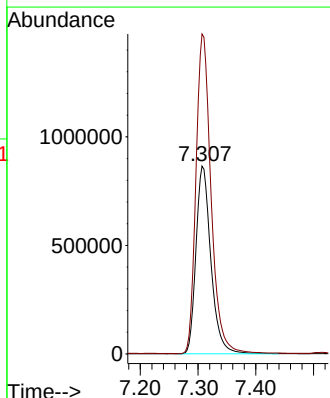
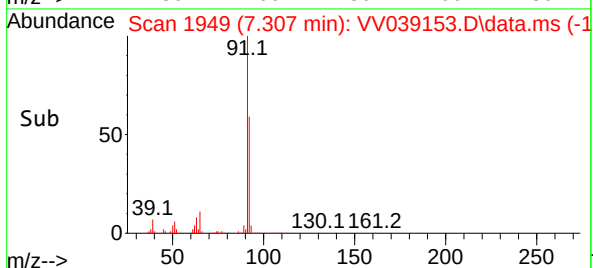
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

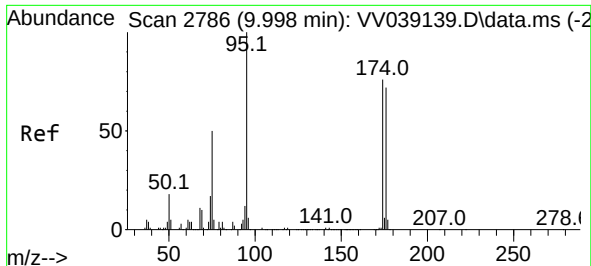


#52
Toluene
Concen: 103.275 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31



Tgt Ion: 92 Resp: 1554151
Ion Ratio Lower Upper
92 100
91 172.2 139.2 208.8





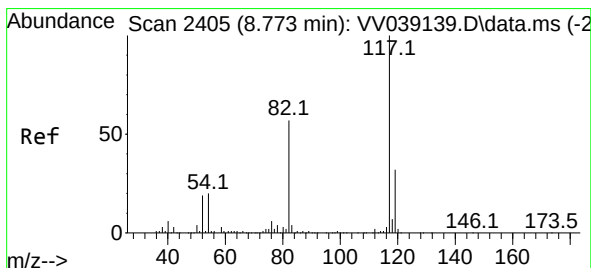
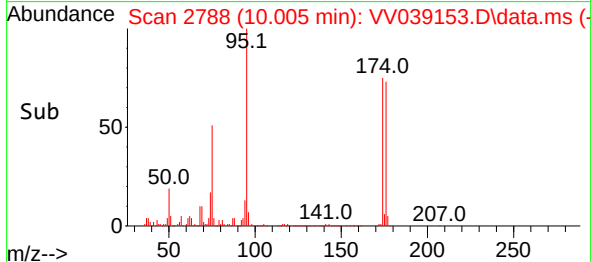
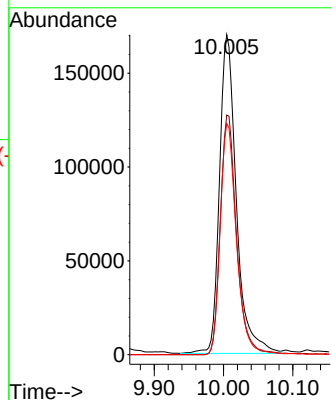
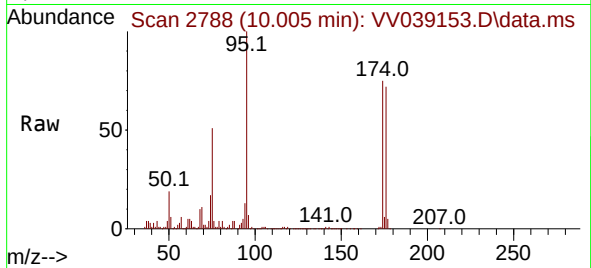
#62
4-Bromofluorobenzene
Concen: 45.224 ug/l
RT: 10.005 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Instrument :
MSVOA_V
ClientSampleId :
MW2

Tgt Ion: 95 Resp: 28826
Ion Ratio Lower Upper
95 100
174 72.3 0.0 150.4
176 70.2 0.0 144.2

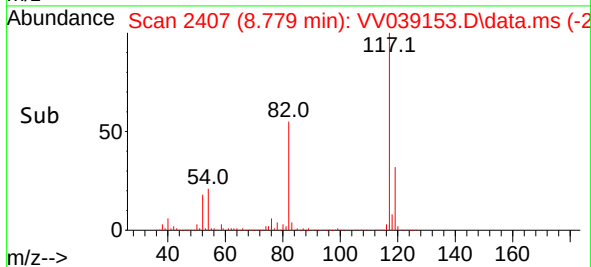
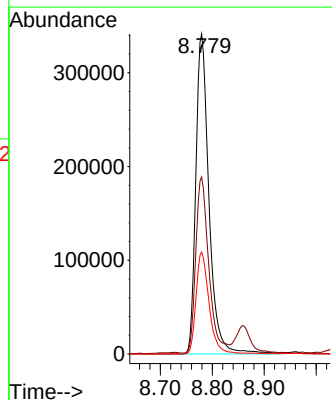
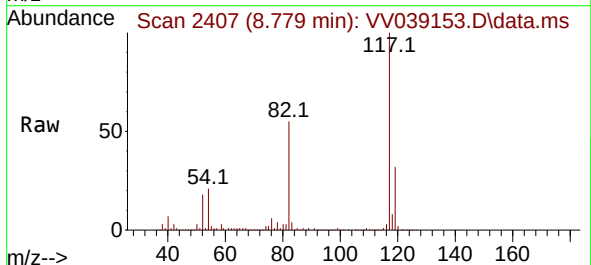
Manual Integrations
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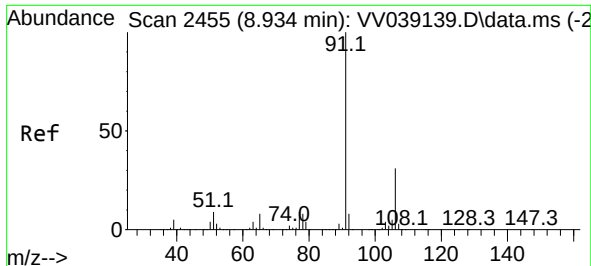
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.779 min Scan# 2407
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:117 Resp: 600147
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.2
119 31.8 25.6 38.4





#67

Ethyl Benzene

Concen: 1301.902 ug/l m

RT: 8.924 min Scan# 2455

Delta R.T. -0.010 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

Tgt Ion: 91 Resp:32943870

Ion Ratio Lower Upper

91 100

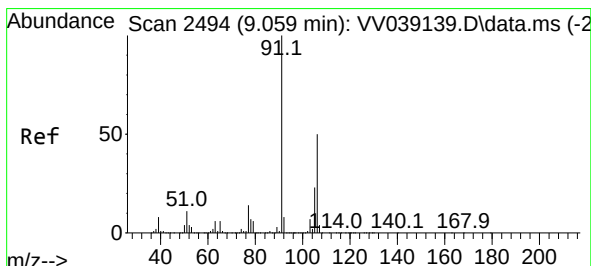
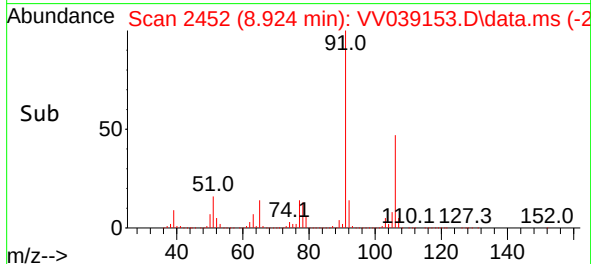
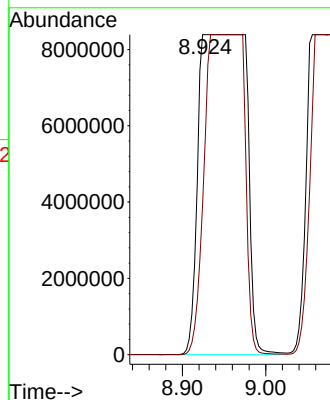
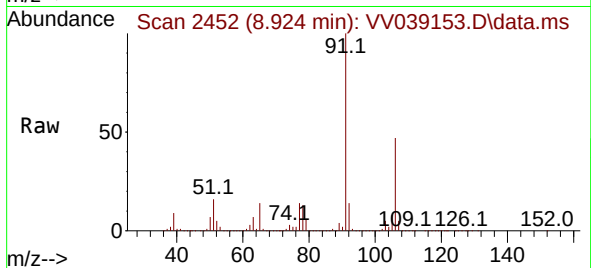
106 47.0 24.6 37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#68

m/p-Xylenes

Concen: 3113.968 ug/l m

RT: 9.059 min Scan# 2494

Delta R.T. 0.000 min

Lab File: VV039153.D

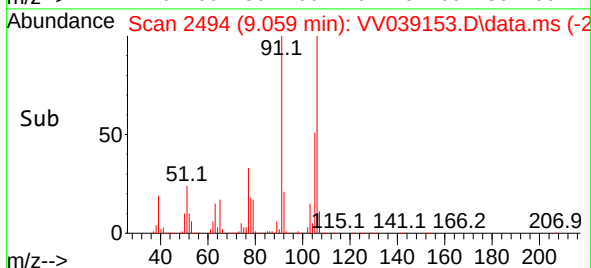
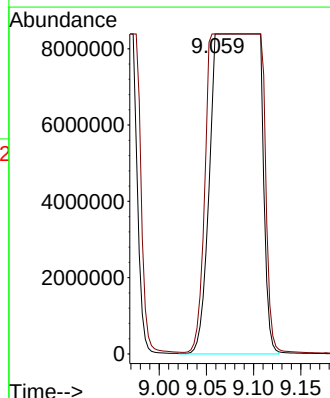
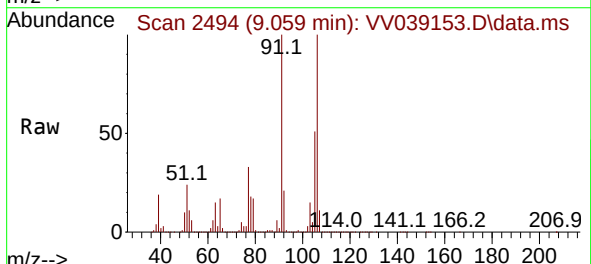
Acq: 24 Sep 2025 15:31

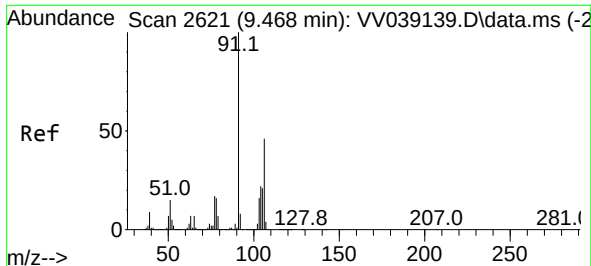
Tgt Ion:106 Resp:30412638

Ion Ratio Lower Upper

106 100

91 0.0 162.5 243.7





#69

o-Xylene

Concen: 120.719 ug/l

RT: 9.471 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

Tgt Ion:106 Resp: 1043930

Ion Ratio Lower Upper

106 100

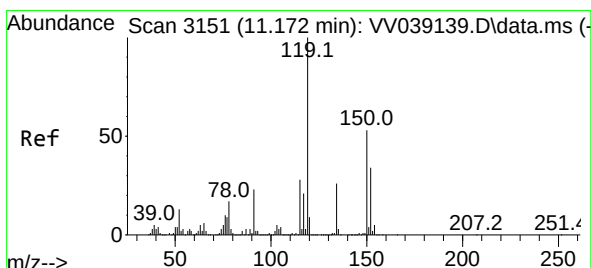
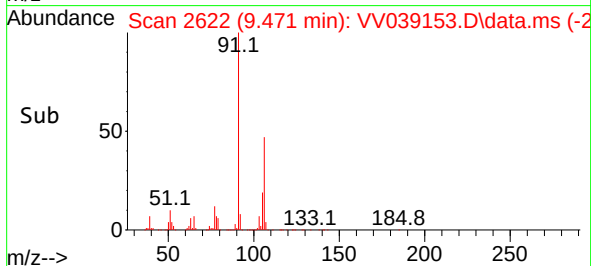
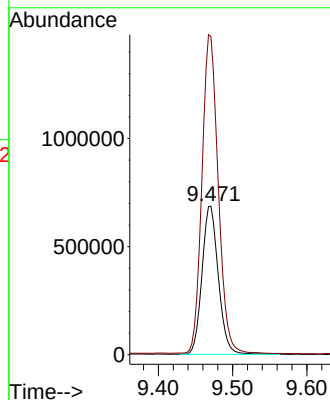
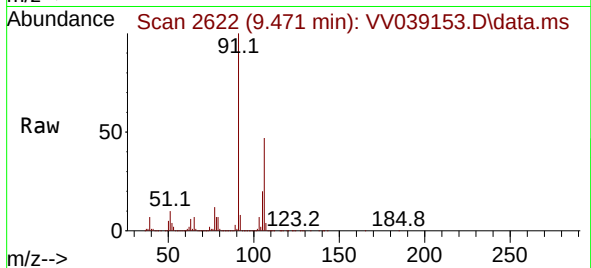
91 215.9 109.1 327.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.178 min Scan# 3153

Delta R.T. 0.006 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

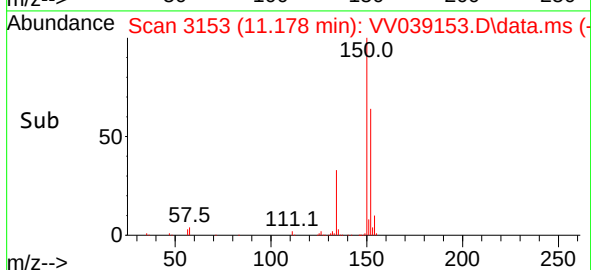
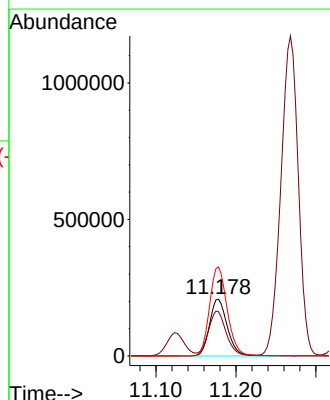
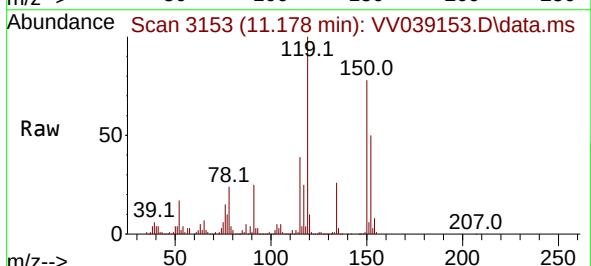
Tgt Ion:152 Resp: 318916

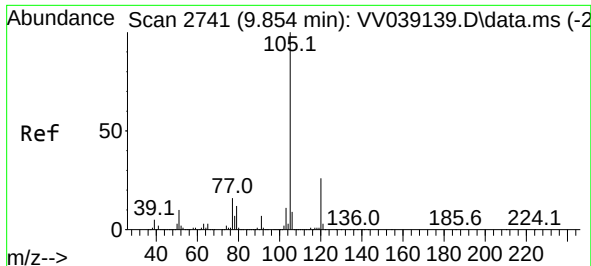
Ion Ratio Lower Upper

152 100

115 77.3 44.8 134.4

150 157.7 0.0 353.8





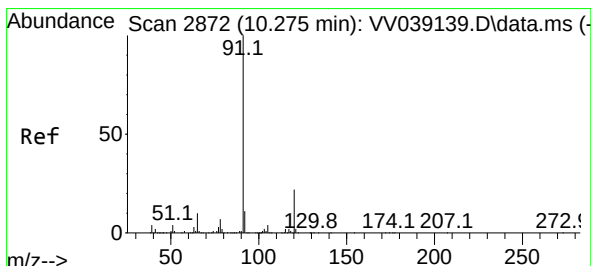
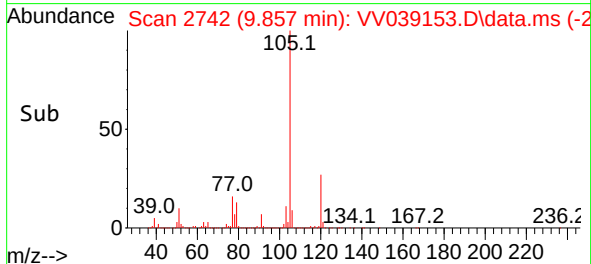
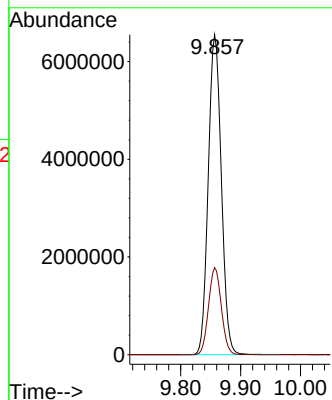
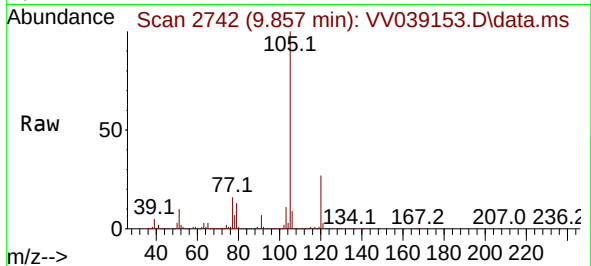
#73
Isopropylbenzene
Concen: 429.711 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Instrument :
MSVOA_V
ClientSampleId :
MW2

Tgt Ion:105 Resp: 993972
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.1

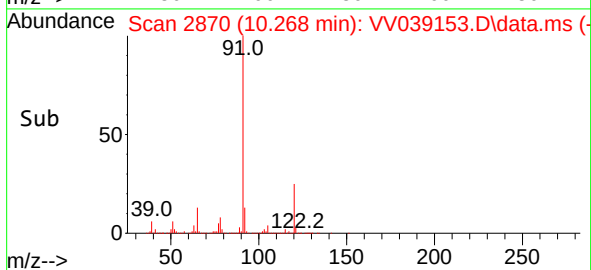
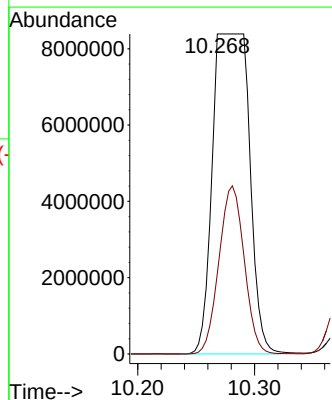
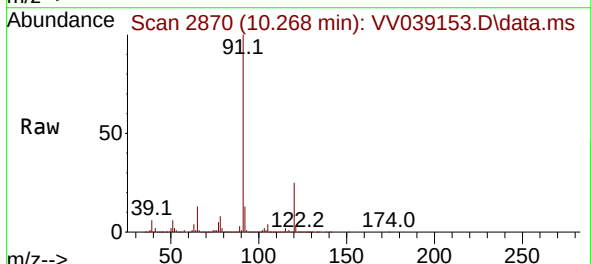
Manual Integrations
APPROVED

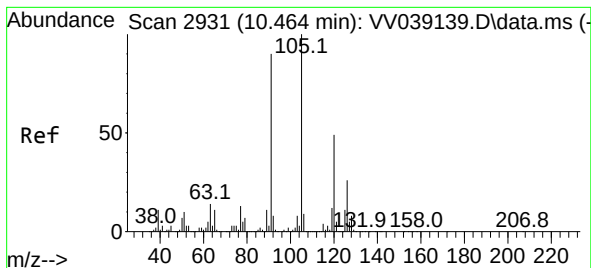
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#78
n-propylbenzene
Concen: 652.664 ug/l m
RT: 10.268 min Scan# 2870
Delta R.T. -0.007 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 91 Resp:18384305
Ion Ratio Lower Upper
91 100
120 59.9 11.1 33.3#





#80

1,3,5-Trimethylbenzene

Concen: 1011.427 ug/l m

RT: 10.458 min Scan# 2931

Delta R.T. -0.007 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

Tgt Ion:105 Resp:19445969

Ion Ratio Lower Upper

105 100

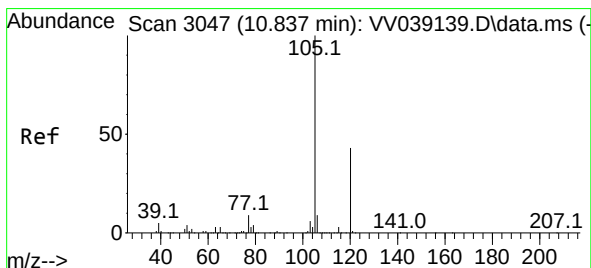
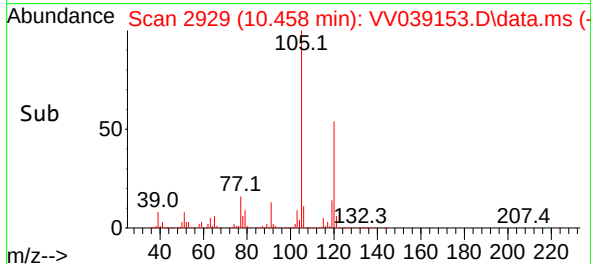
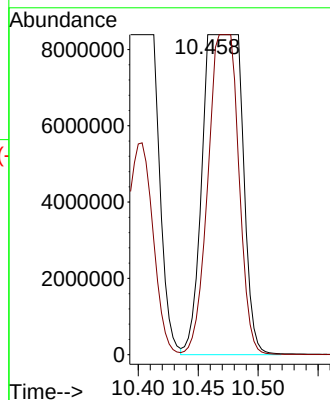
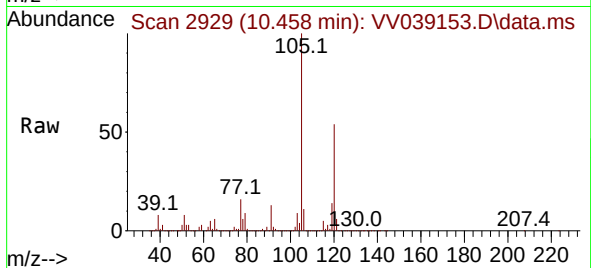
120 21.1 24.3 72.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#84

1,2,4-Trimethylbenzene

Concen: 1566.967 ug/l m

RT: 10.831 min Scan# 3045

Delta R.T. -0.007 min

Lab File: VV039153.D

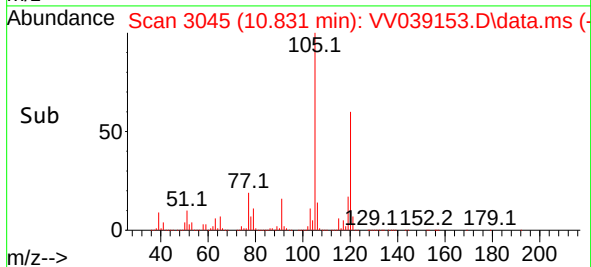
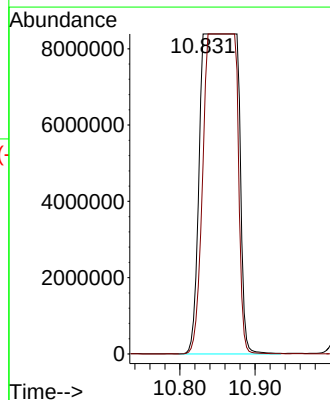
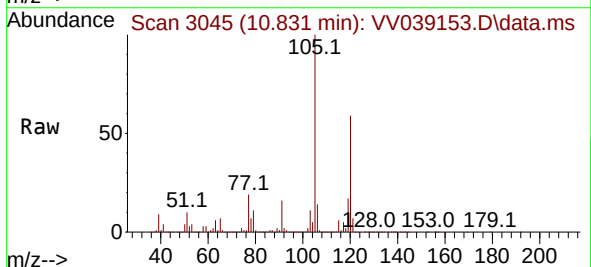
Acq: 24 Sep 2025 15:31

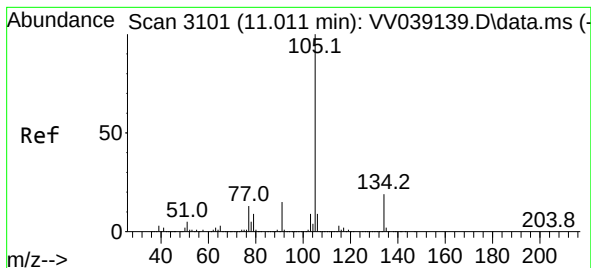
Tgt Ion:105 Resp:29248488

Ion Ratio Lower Upper

105 100

120 14.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.943 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

Tgt Ion:105 Resp: 124455

Ion Ratio Lower Upper

105 100

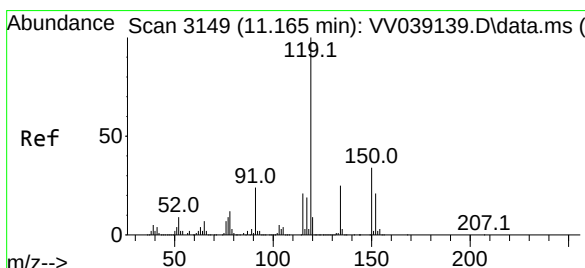
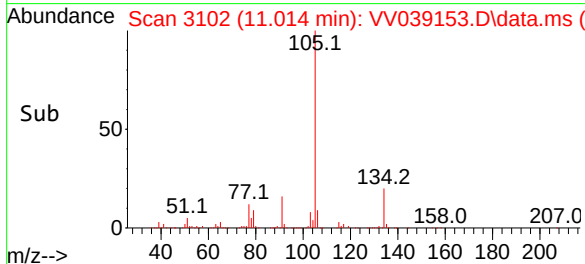
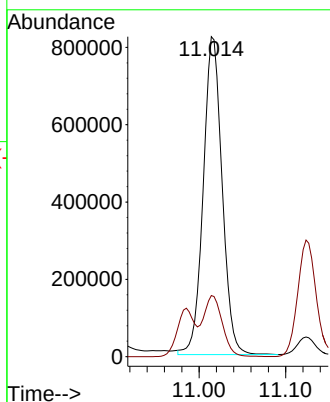
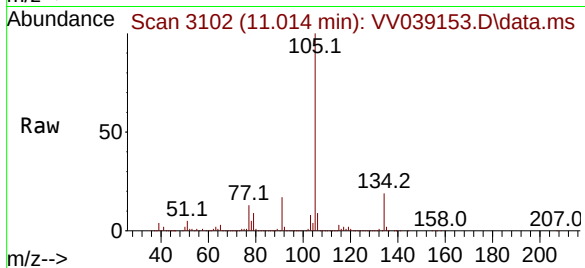
134 19.4 9.6 28.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#86

p-Isopropyltoluene

Concen: 33.964 ug/l m

RT: 11.172 min Scan# 3151

Delta R.T. 0.006 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

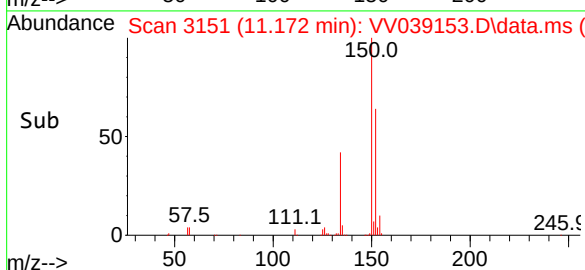
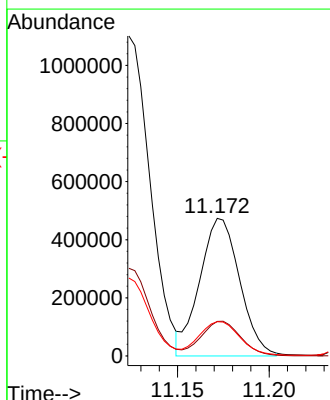
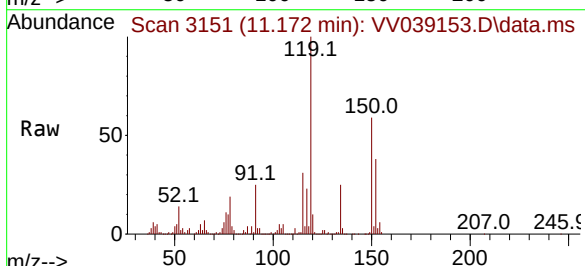
Tgt Ion:119 Resp: 718828

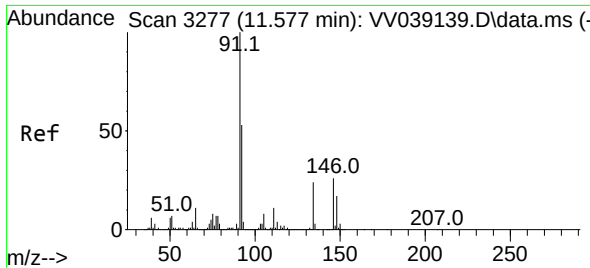
Ion Ratio Lower Upper

119 100

134 61.8 12.7 38.0#

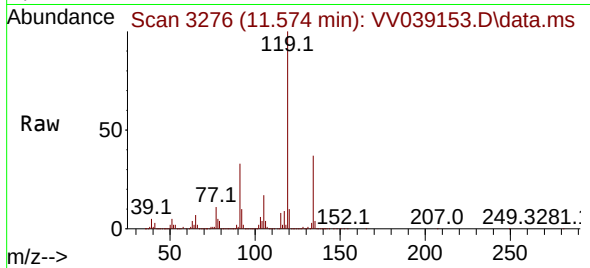
91 55.4 12.0 36.1#





#89
n-Butylbenzene
Concen: 144.495 ug/l m
RT: 11.574 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

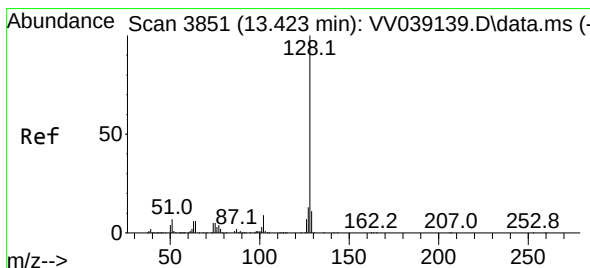
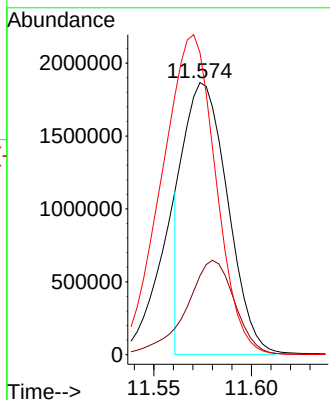
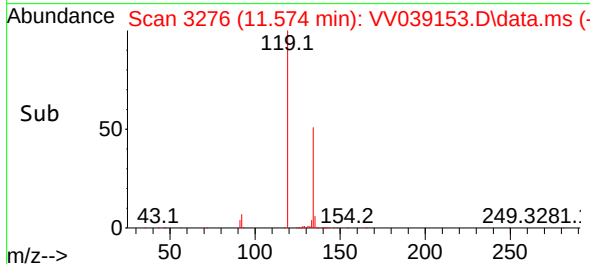
Instrument :
MSVOA_V
ClientSampleId :
MW2



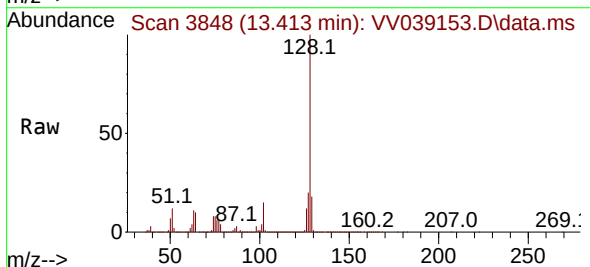
Tgt Ion: 91 Resp: 292067
Ion Ratio Lower Upper
91 100
92 38.4 26.6 79.8
134 144.8 12.1 36.3

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 1072.874 ug/l m
RT: 13.413 min Scan# 3848
Delta R.T. -0.010 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31



Tgt Ion:128 Resp:22556658
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

