

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039339.D
 Acq On : 05 Nov 2025 16:35
 Operator : SY/MD
 Sample : Q3552-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-9

Quant Time: Nov 06 00:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Mahesh Dadoda 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.600	168	677683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1221893	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1164477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	566941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	521425	54.149	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.300%			
35) Dibromofluoromethane	4.500	113	473047	49.134	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 98.260%			
50) Toluene-d8	7.236	98	1469972	44.881	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.760%			
62) 4-Bromofluorobenzene	9.998	95	533515	45.738	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.480%			
Target Compounds					Qvalue	
6) Chloroethane	1.564	64	25937	2.480	ug/l	96
8) Diethyl Ether	1.921	74	28894	5.145	ug/l	99
11) Tert butyl alcohol	2.564	59	322362	172.741	ug/l	97
19) Methyl tert-butyl Ether	2.715	73	19561	0.711	ug/l #	76
22) Diisopropyl ether	3.223	45	9609m	0.369	ug/l	
29) Tetrahydrofuran	4.243	42	98616	26.190	ug/l	95
40) Benzene	5.011	78	587138	15.132	ug/l	99
52) Toluene	7.320	92	11156	0.476	ug/l	89
65) Chlorobenzene	8.802	112	744107	26.993	ug/l	99
68) m/p-Xylenes	9.079	106	6057	0.376	ug/l	94
69) o-Xylene	9.474	106	14029	0.986	ug/l	96
73) Isopropylbenzene	9.857	105	45797	1.330	ug/l	99
78) n-propylbenzene	10.284	91	24208	0.580	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	108124	5.118	ug/l	93

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

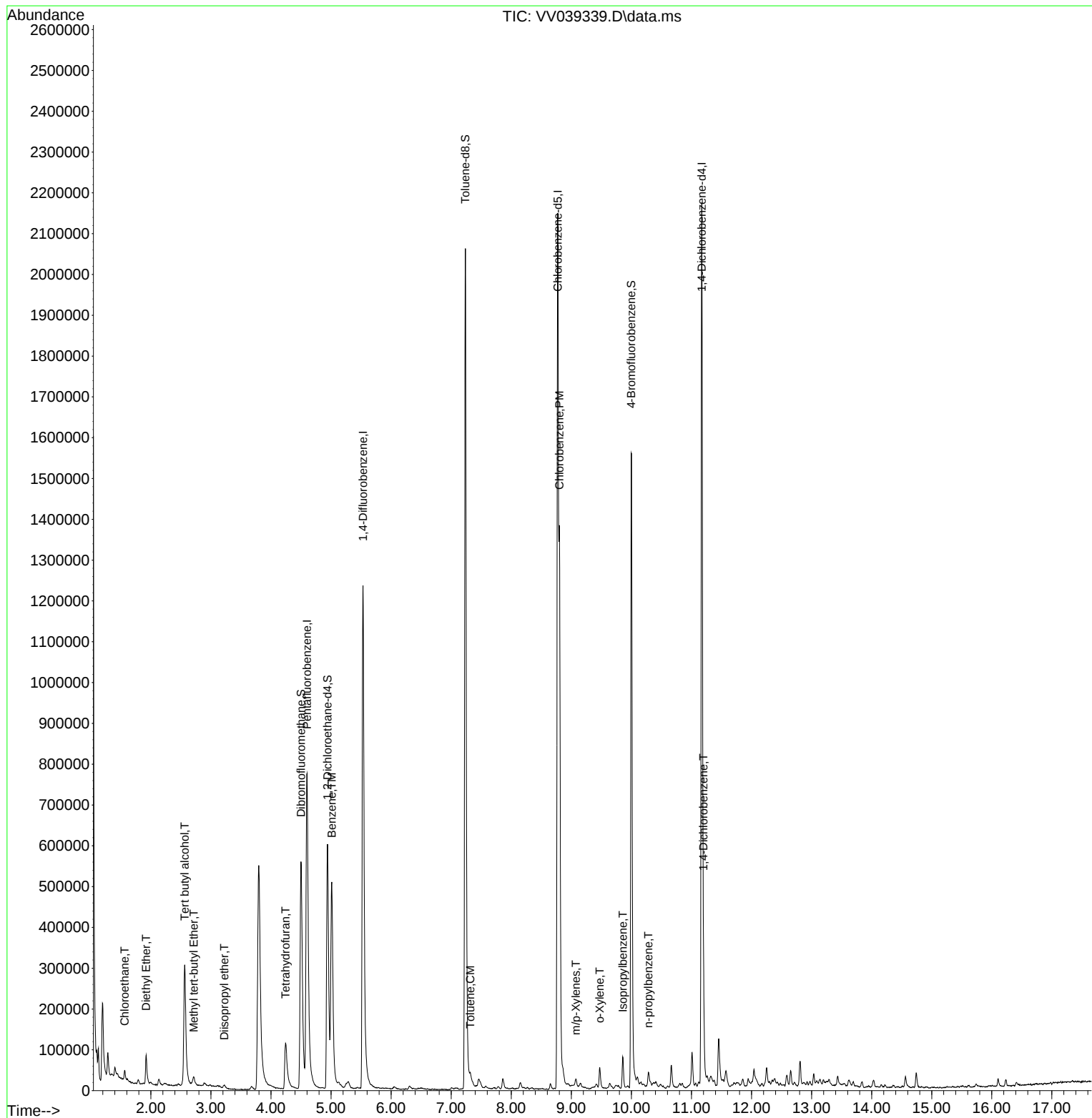
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
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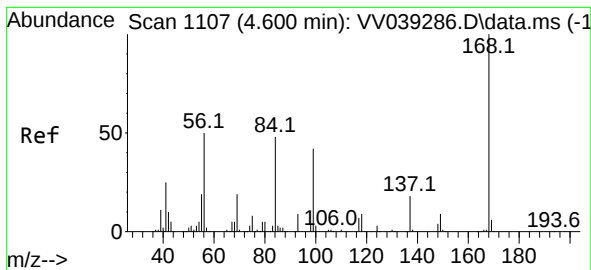
Instrument :
MSVOA_V
ClientSampleId :
MW-9

Quant Time: Nov 06 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
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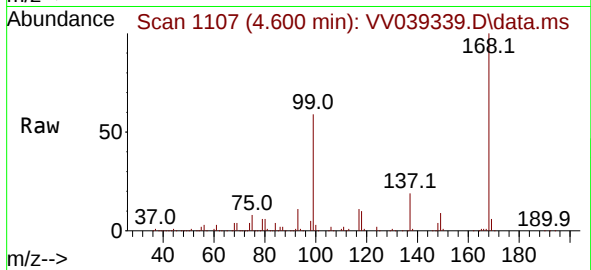
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

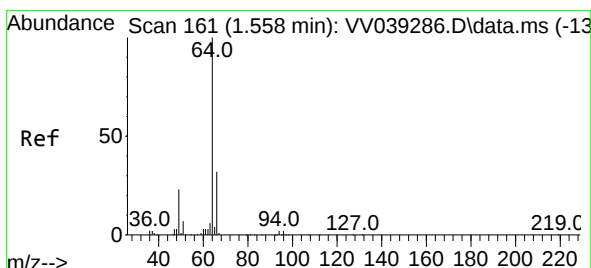
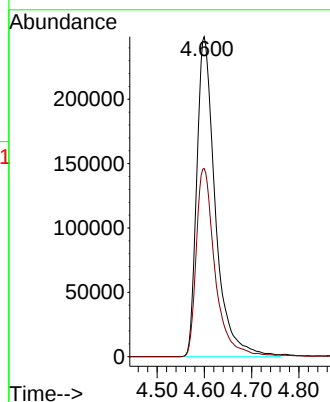
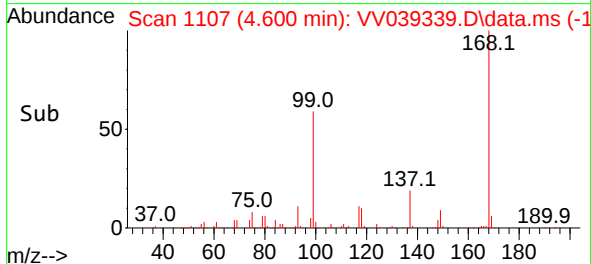
Instrument :
MSVOA_V
ClientSampleId :
MW-9



Tgt Ion:168 Resp: 67768
Ion Ratio Lower Upper
168 100
99 58.8 46.6 70.0

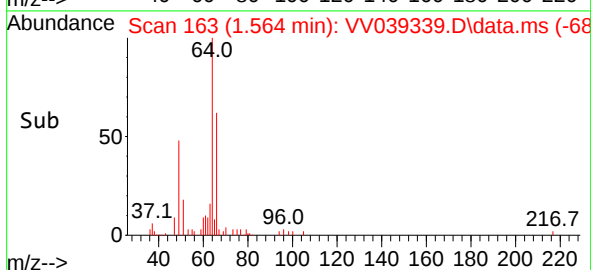
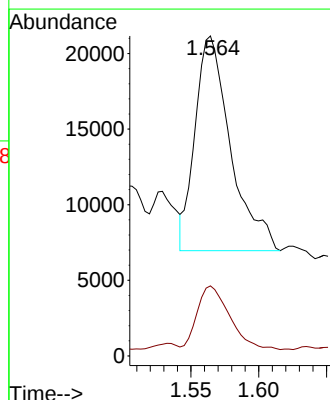
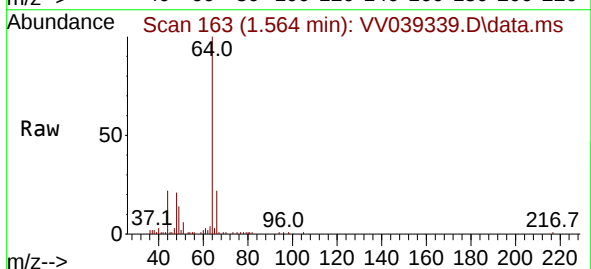
Manual Integrations
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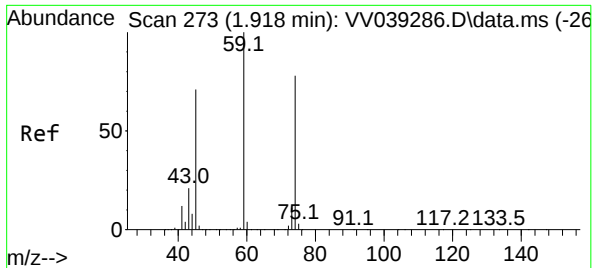
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#6
Chloroethane
Concen: 2.480 ug/l
RT: 1.564 min Scan# 163
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

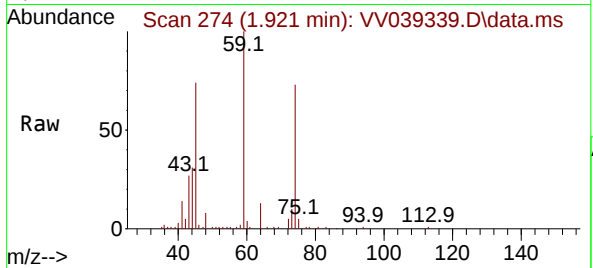
Tgt Ion: 64 Resp: 25937
Ion Ratio Lower Upper
64 100
66 29.7 25.7 38.5





#8
Diethyl Ether
Concen: 5.145 ug/l
RT: 1.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

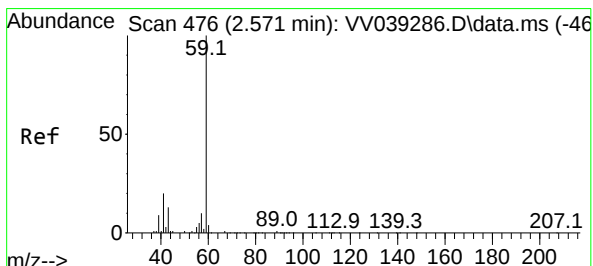
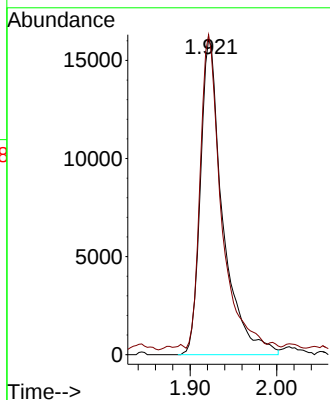
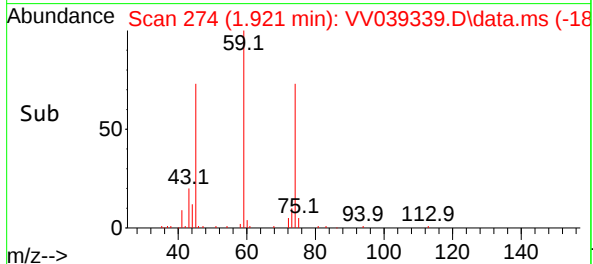
Instrument :
MSVOA_V
ClientSampleId :
MW-9



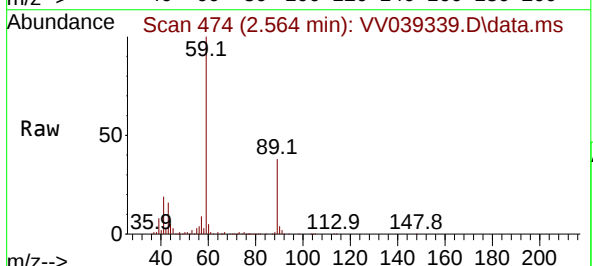
Tgt Ion: 74 Resp: 28894
Ion Ratio Lower Upper
74 100
45 92.7 45.9 137.7

Manual Integrations
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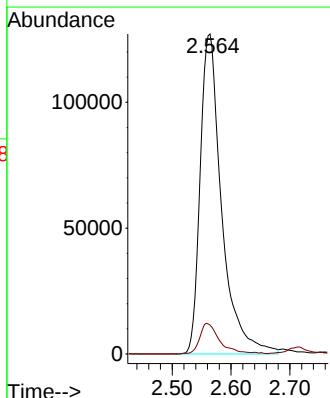
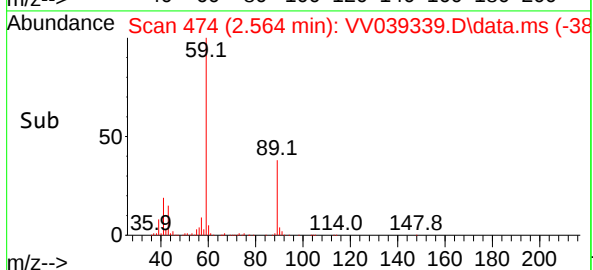
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

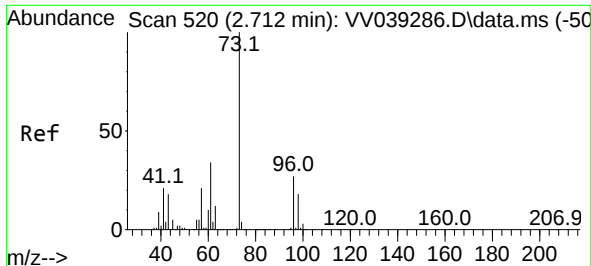


#11
Tert butyl alcohol
Concen: 172.741 ug/l
RT: 2.564 min Scan# 474
Delta R.T. -0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35



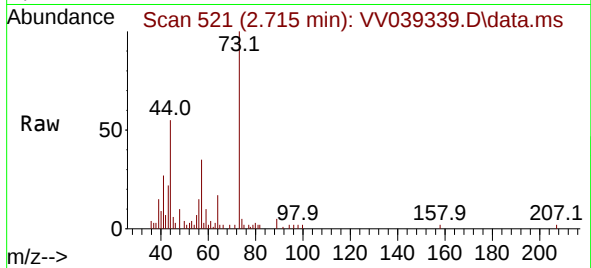
Tgt Ion: 59 Resp: 322362
Ion Ratio Lower Upper
59 100
57 8.8 8.1 12.1





#19
Methyl tert-butyl Ether
Concen: 0.711 ug/l
RT: 2.715 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

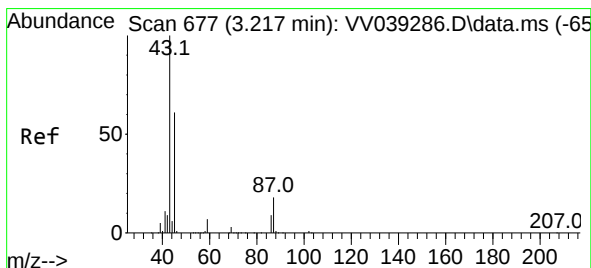
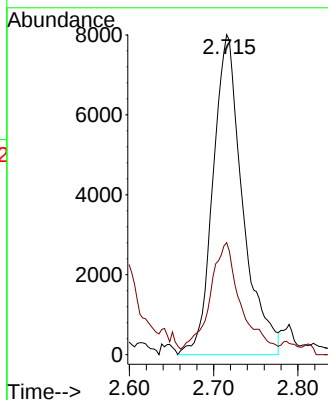
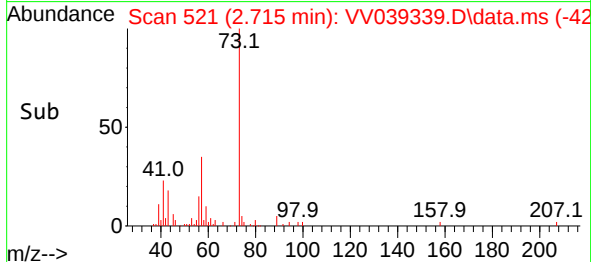
Instrument :
MSVOA_V
ClientSampleId :
MW-9



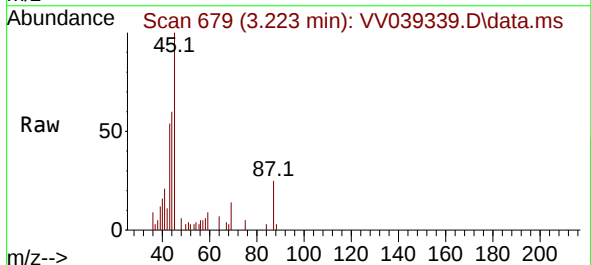
Tgt Ion: 73 Resp: 1956
Ion Ratio Lower Upper
73 100
57 32.4 17.0 25.6

Manual Integrations
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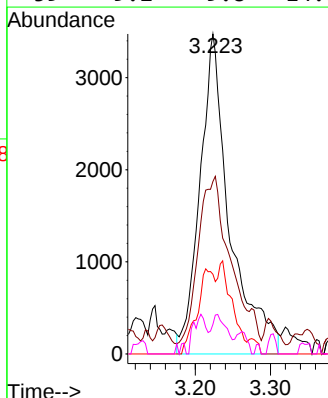
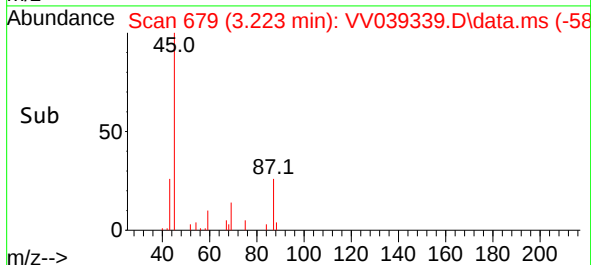
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

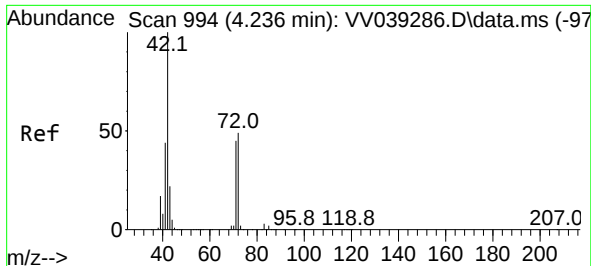


#22
Diisopropyl ether
Concen: 0.369 ug/l m
RT: 3.223 min Scan# 679
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35



Tgt Ion: 45 Resp: 9609
Ion Ratio Lower Upper
45 100
43 53.9 130.8 196.2#
87 24.9 23.8 35.8
59 9.2 9.8 14.8#





#29

Tetrahydrofuran

Concen: 26.190 ug/l

RT: 4.243 min Scan# 994

Delta R.T. 0.006 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

Instrument :

MSVOA_V

ClientSampleId :

MW-9

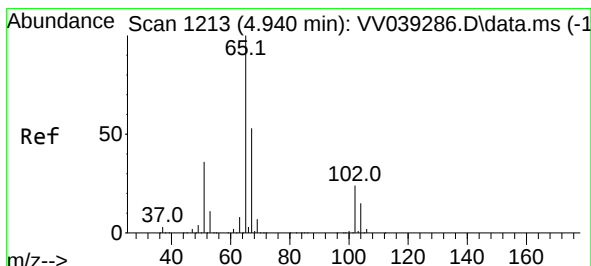
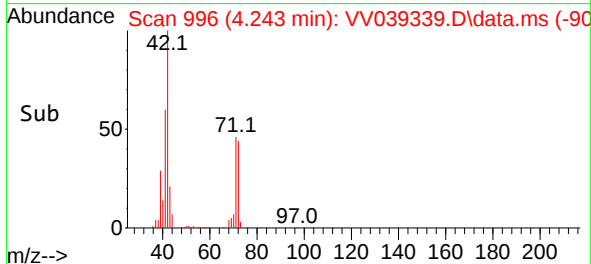
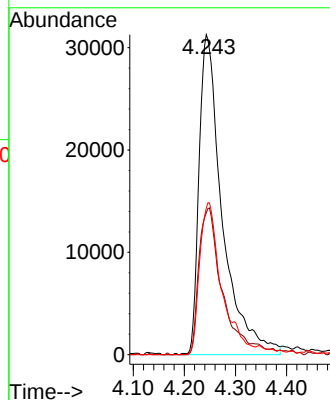
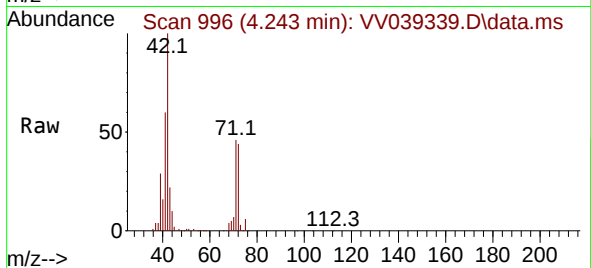
Tgt Ion:	42	Resp:	98610
Ion Ratio	Lower	Upper	
42	100		
72	44.5	39.8	59.8
71	44.9	36.5	54.7

Manual Integrations

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Supervised By :Mahesh Dadoda 11/06/2025



#33

1,2-Dichloroethane-d4

Concen: 54.149 ug/l

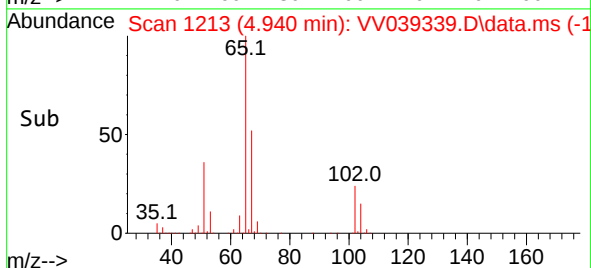
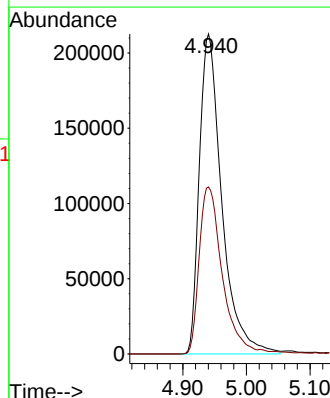
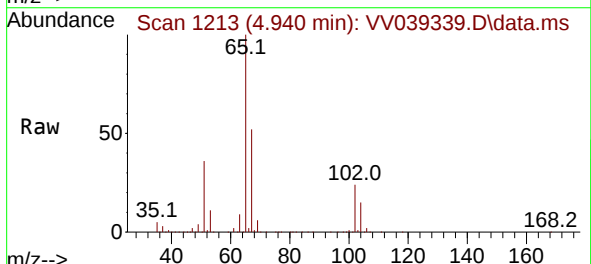
RT: 4.940 min Scan# 1213

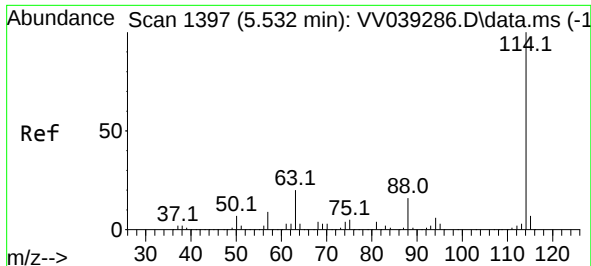
Delta R.T. -0.000 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

Tgt Ion:	65	Resp:	521425
Ion Ratio	Lower	Upper	
65	100		
67	53.6	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

Instrument :

MSVOA_V

ClientSampleId :

MW-9

Tgt Ion:114 Resp: 122189

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

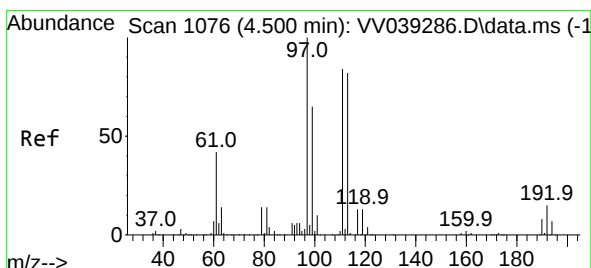
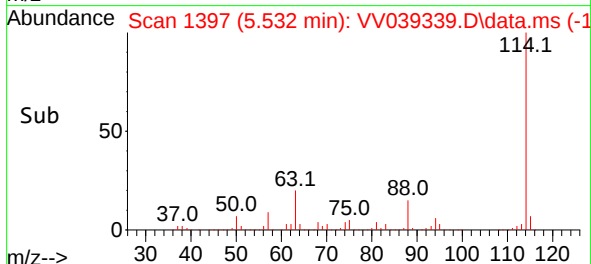
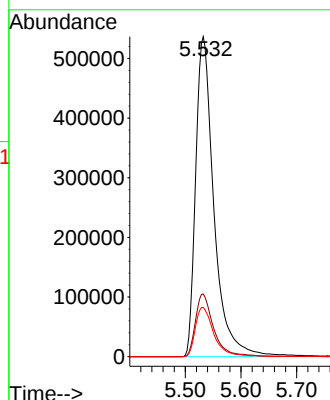
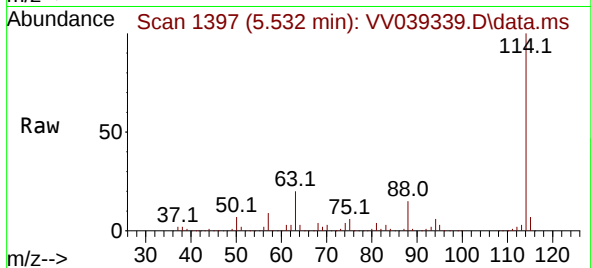
88 15.4 0.0 31.6

Manual Integrations

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Supervised By :Mahesh Dadoda 11/06/2025



#35

Dibromofluoromethane

Concen: 49.134 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

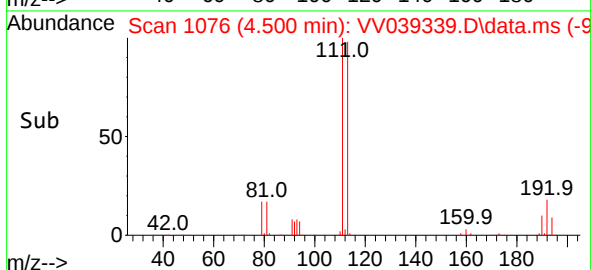
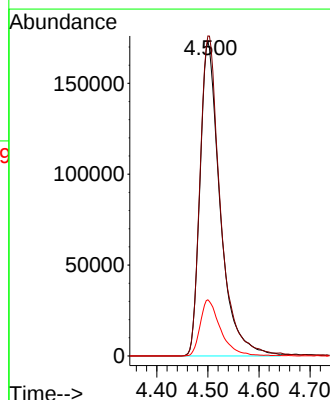
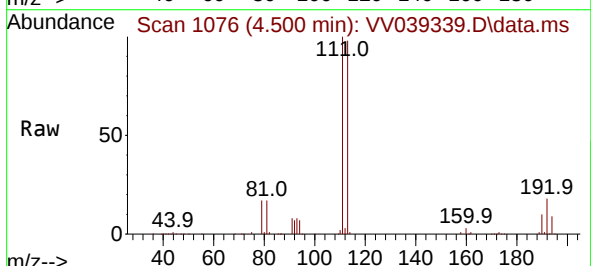
Tgt Ion:113 Resp: 473047

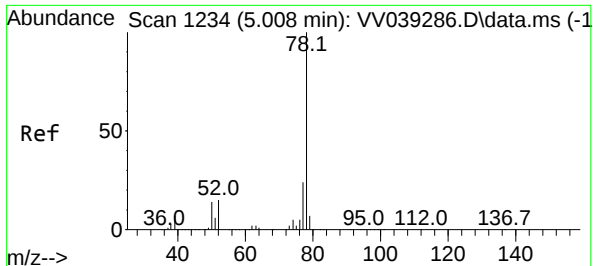
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.0 14.3 21.5





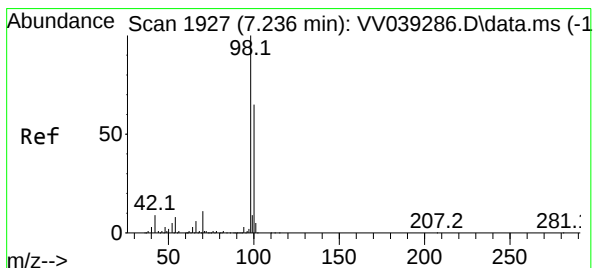
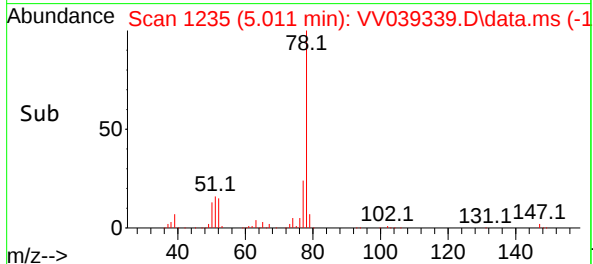
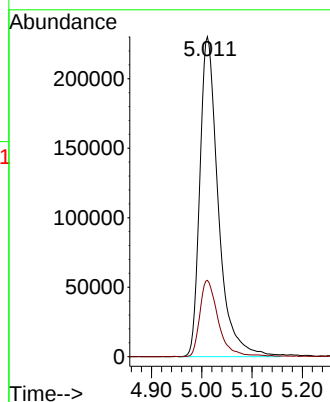
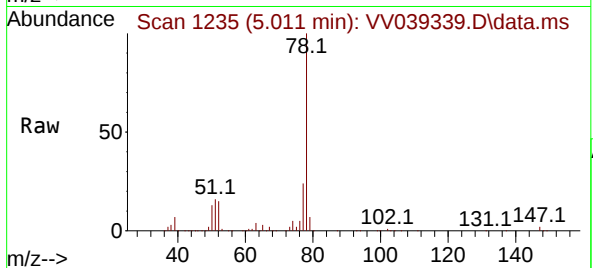
#40
Benzene
Concen: 15.132 ug/l
RT: 5.011 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 78 Resp: 587138
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3

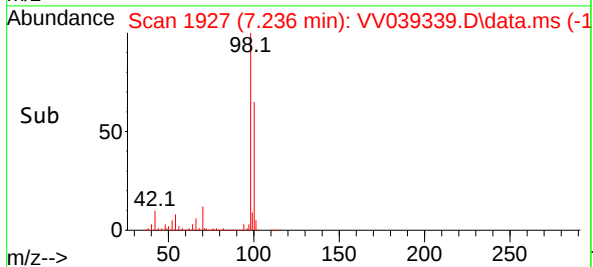
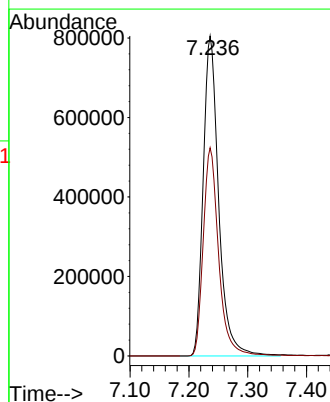
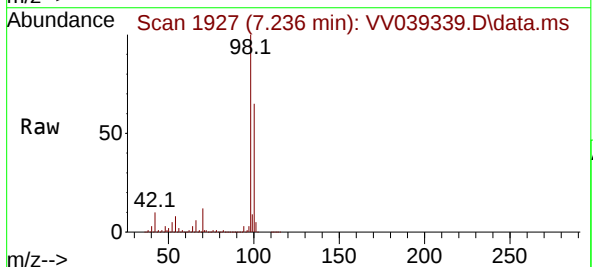
Manual Integrations
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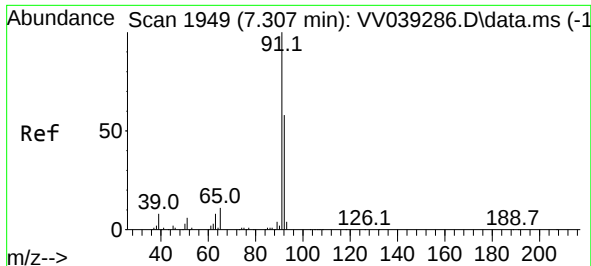
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#50
Toluene-d8
Concen: 44.881 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

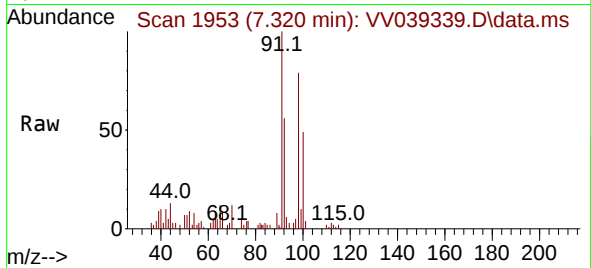
Tgt Ion: 98 Resp: 1469972
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2





#52
Toluene
Concen: 0.476 ug/l
RT: 7.320 min Scan# 1949
Delta R.T. 0.013 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

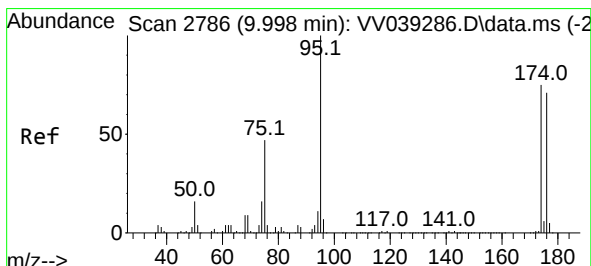
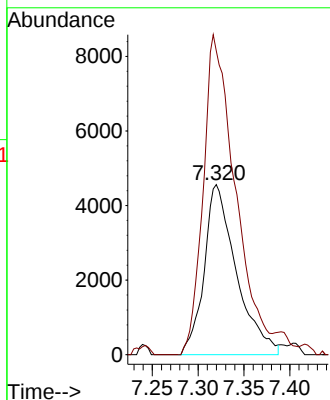
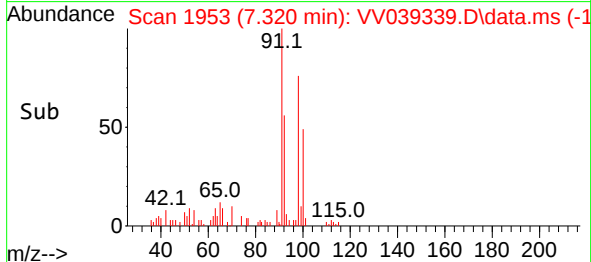
Instrument :
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MW-9



Tgt Ion: 92 Resp: 11150
Ion Ratio Lower Upper
92 100
91 187.3 137.3 205.9

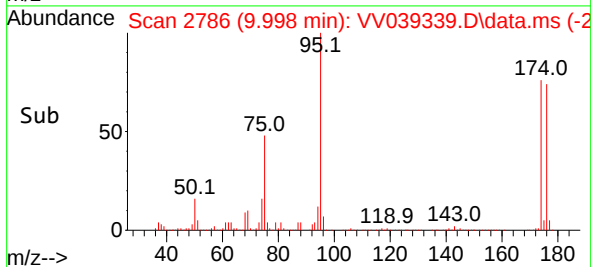
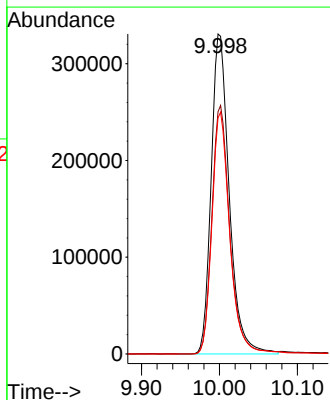
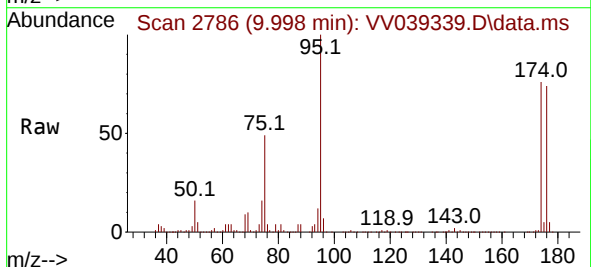
Manual Integrations
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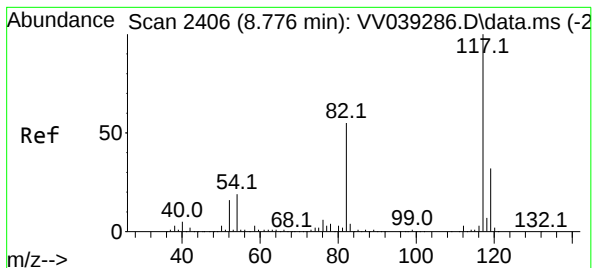
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#62
4-Bromofluorobenzene
Concen: 45.738 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 95 Resp: 533515
Ion Ratio Lower Upper
95 100
174 78.0 0.0 153.6
176 74.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

Instrument :

MSVOA_V

ClientSampleId :

MW-9

Tgt Ion:117 Resp: 116447

Ion Ratio Lower Upper

117 100

82 55.5 43.8 65.8

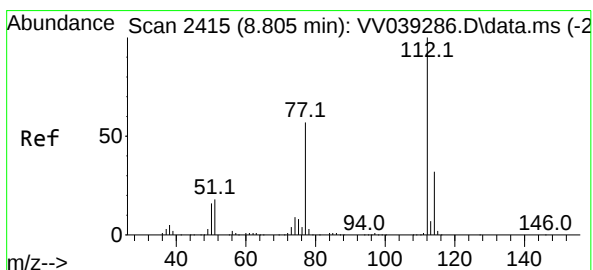
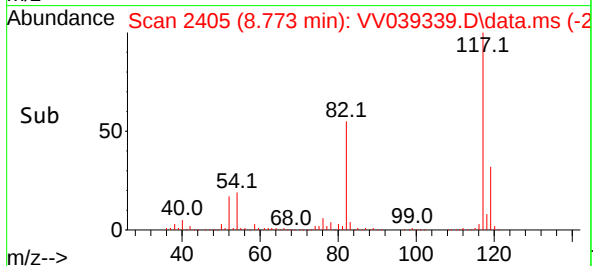
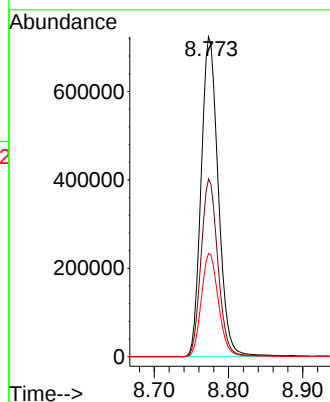
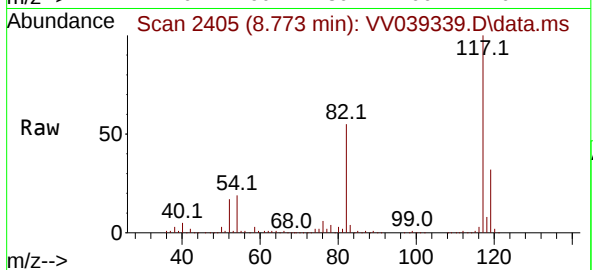
119 32.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Mahesh Dadoda 11/06/2025



#65

Chlorobenzene

Concen: 26.993 ug/l

RT: 8.802 min Scan# 2414

Delta R.T. -0.003 min

Lab File: VV039339.D

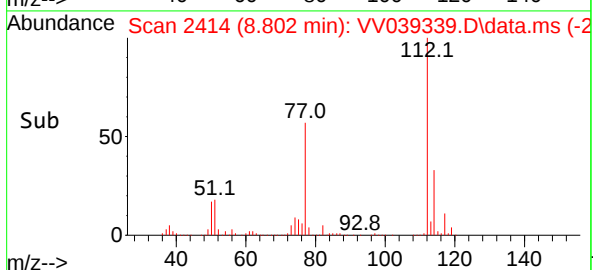
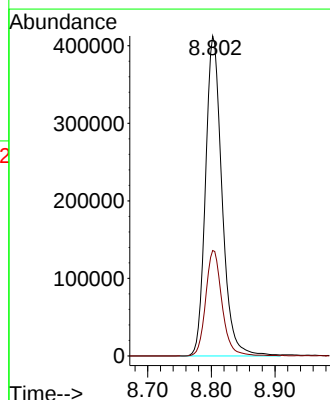
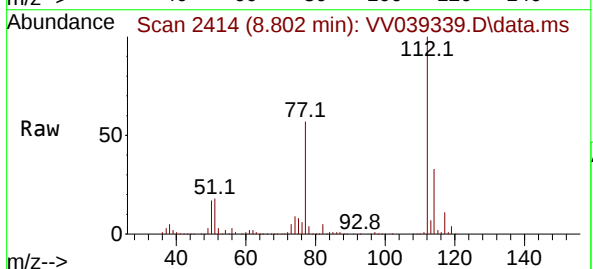
Acq: 05 Nov 2025 16:35

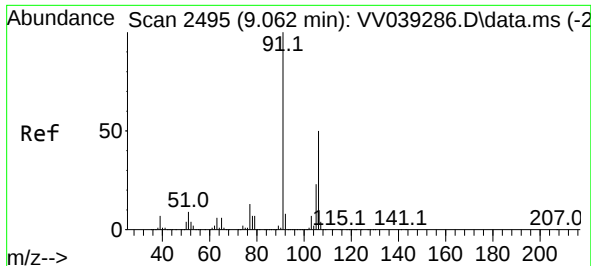
Tgt Ion:112 Resp: 744107

Ion Ratio Lower Upper

112 100

114 32.9 25.7 38.5





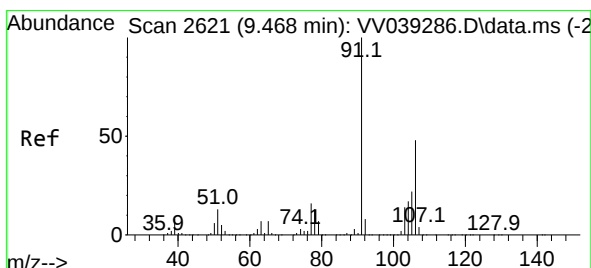
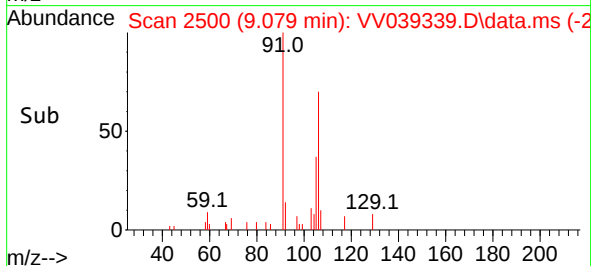
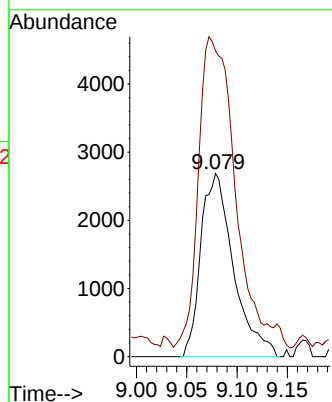
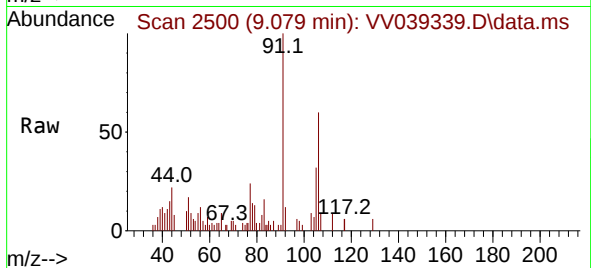
#68
m/p-Xylenes
Concen: 0.376 ug/l
RT: 9.079 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Tgt Ion:106 Resp: 605
Ion Ratio Lower Upper
106 100
91 191.3 160.2 240.2

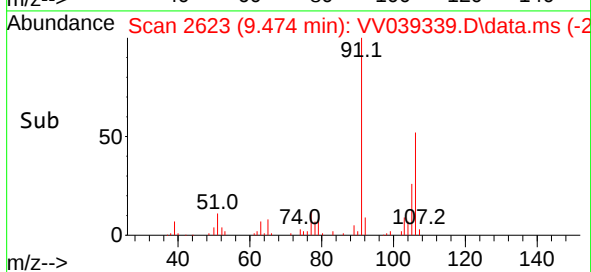
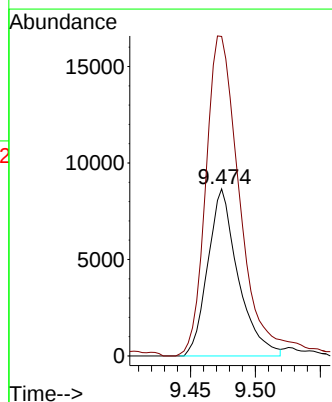
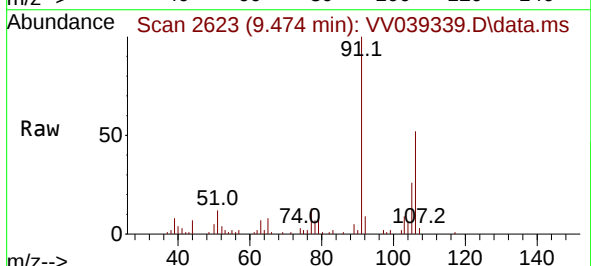
Manual Integrations
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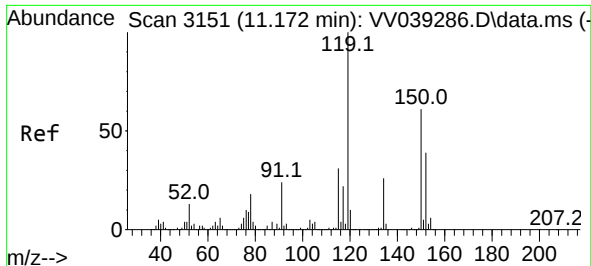
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#69
o-Xylene
Concen: 0.986 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

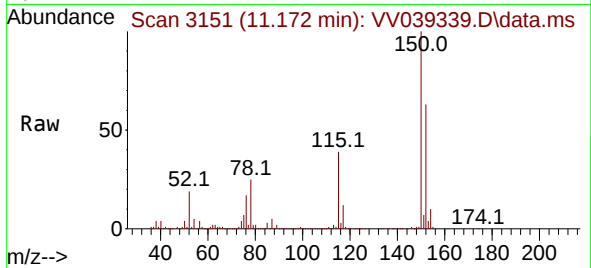
Tgt Ion:106 Resp: 14029
Ion Ratio Lower Upper
106 100
91 217.7 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

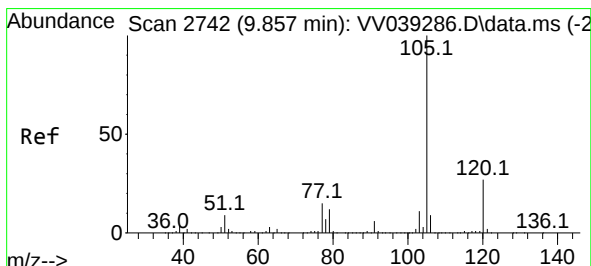
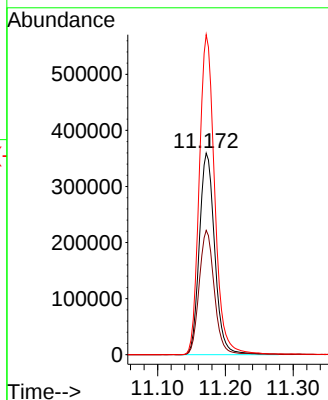
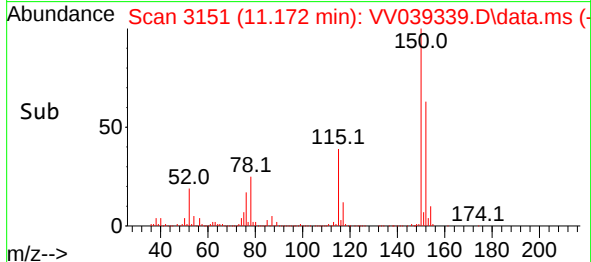
Instrument :
MSVOA_V
ClientSampleId :
MW-9



Tgt Ion:152 Resp: 56694
Ion Ratio Lower Upper
152 100
115 60.5 42.3 126.8
150 159.2 0.0 348.0

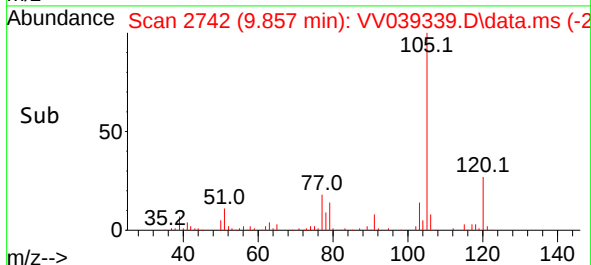
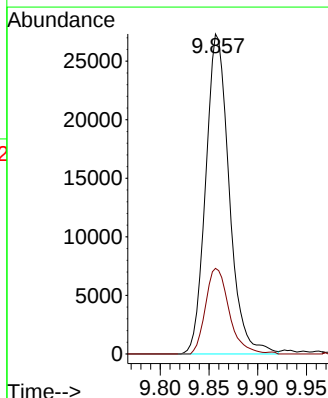
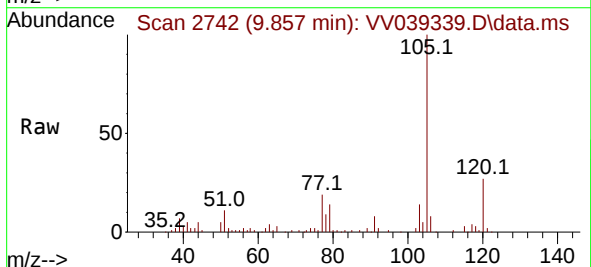
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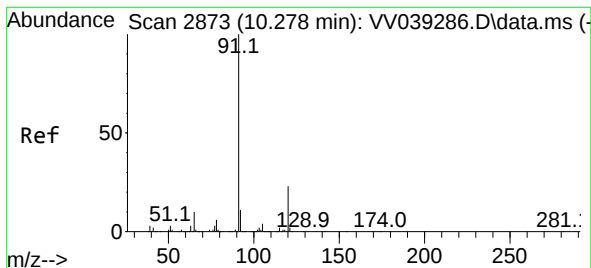
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#73
Isopropylbenzene
Concen: 1.330 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:105 Resp: 45797
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.5





#78

n-propylbenzene

Concen: 0.580 ug/l

RT: 10.284 min Scan# 2875

Delta R.T. 0.006 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

Instrument :

MSVOA_V

ClientSampleId :

MW-9

Tgt Ion: 91 Resp: 24208

Ion Ratio Lower Upper

91 100

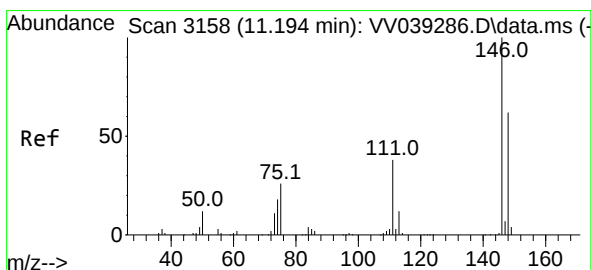
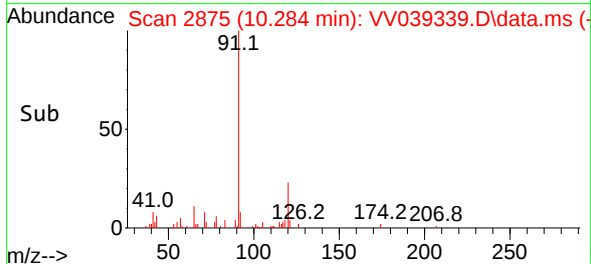
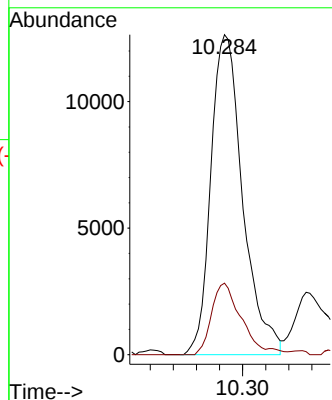
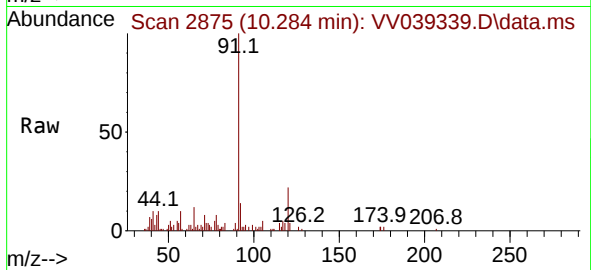
120 21.0 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Mahesh Dadoda 11/06/2025



#88

1,4-Dichlorobenzene

Concen: 5.118 ug/l

RT: 11.197 min Scan# 3159

Delta R.T. 0.003 min

Lab File: VV039339.D

Acq: 05 Nov 2025 16:35

Tgt Ion:146 Resp: 108124

Ion Ratio Lower Upper

146 100

111 47.6 19.7 59.0

148 65.6 31.5 94.5

