

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039318.D
 Acq On : 04 Nov 2025 16:39
 Operator : SY/MD
 Sample : Q3534-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-EB-1

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:39:05 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

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	968590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1722471	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1684073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	851194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	731249	53.131	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 106.260%			
35) Dibromofluoromethane	4.500	113	660297	48.652	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.300%			
50) Toluene-d8	7.236	98	2350488	50.909	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 101.820%			
62) 4-Bromofluorobenzene	9.998	95	876742	53.319	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 106.640%			
Target Compounds					Qvalue	
8) Diethyl Ether	1.918	74	374782	46.688	ug/l	100
11) Tert butyl alcohol	2.568	59	23276	8.727	ug/l	96
22) Diisopropyl ether	3.217	45	421610	11.342	ug/l #	34
29) Tetrahydrofuran	4.243	42	132147	24.555	ug/l	93
40) Benzene	5.014	78	262333	4.796	ug/l	97
65) Chlorobenzene	8.802	112	1309181	32.838	ug/l	99
68) m/p-Xylenes	9.082	106	6616	0.284	ug/l	89
69) o-Xylene	9.474	106	18747	0.911	ug/l	97
73) Isopropylbenzene	9.857	105	2508811	48.537	ug/l	100
78) n-propylbenzene	10.275	91	3093598	49.326	ug/l	100
79) 2-Chlorotoluene	10.349	91	149113	3.851	ug/l	91
82) 4-Chlorotoluene	10.474	91	28016m	0.629	ug/l	
83) tert-Butylbenzene	10.789	119	11392	0.265	ug/l	92
85) sec-Butylbenzene	11.014	105	95341	1.752	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	121605	3.834	ug/l	93
89) n-Butylbenzene	11.580	91	83827	1.924	ug/l	87
91) 1,2-Dichlorobenzene	11.574	146	12267	0.455	ug/l	95

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

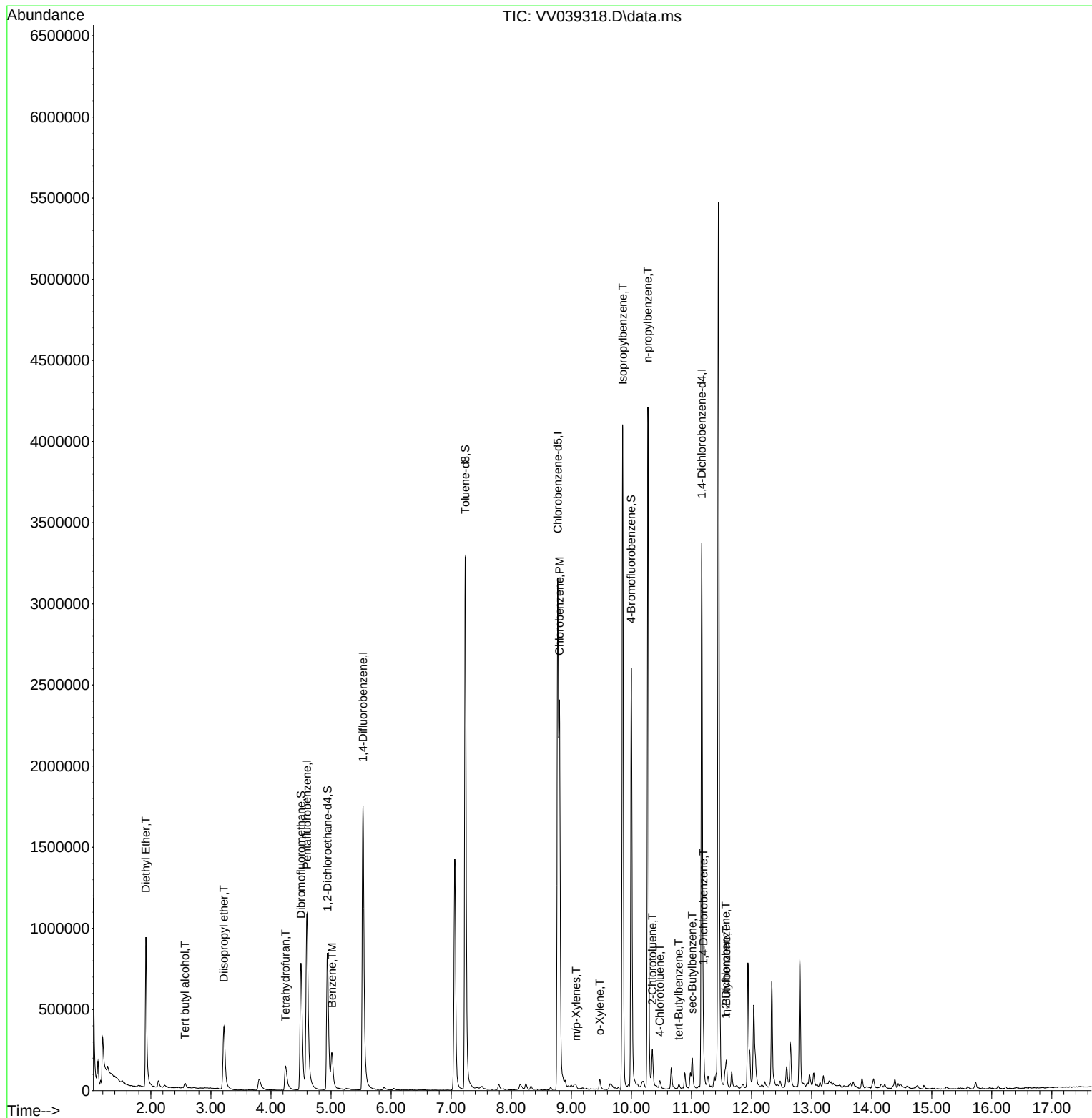
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
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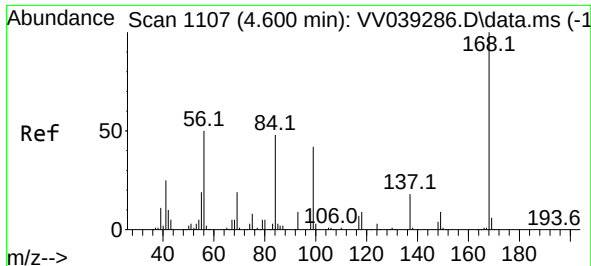
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Quant Time: Nov 05 00:39:05 2025
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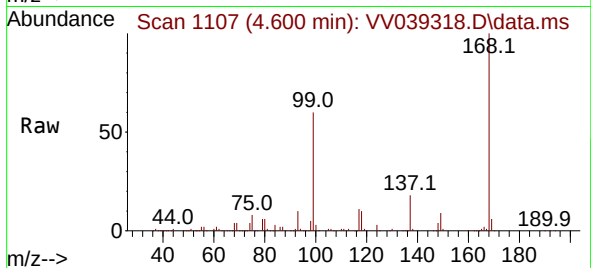
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

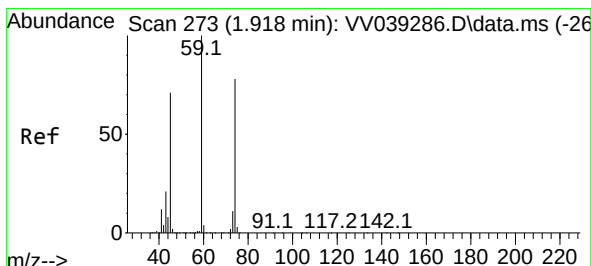
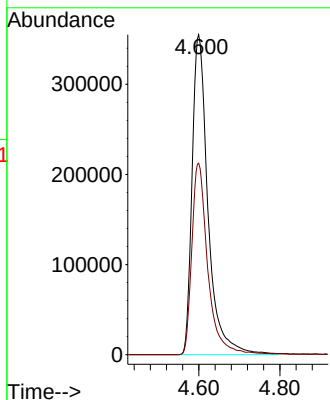
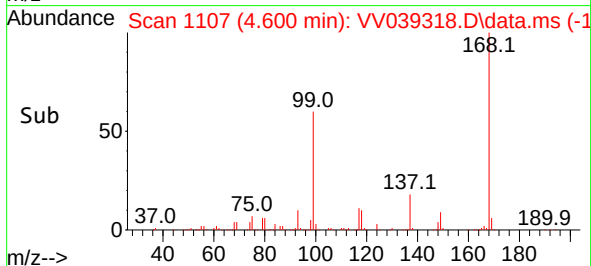
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1



Tgt Ion:168 Resp: 968590
Ion Ratio Lower Upper
168 100
99 59.8 46.6 70.0

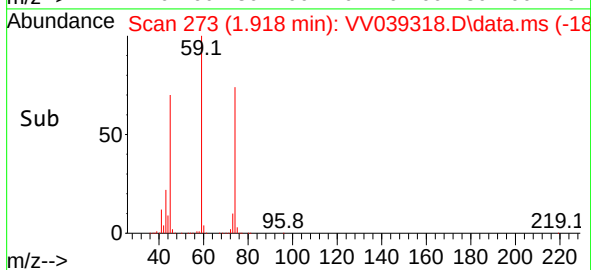
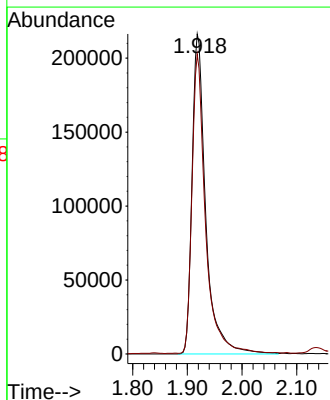
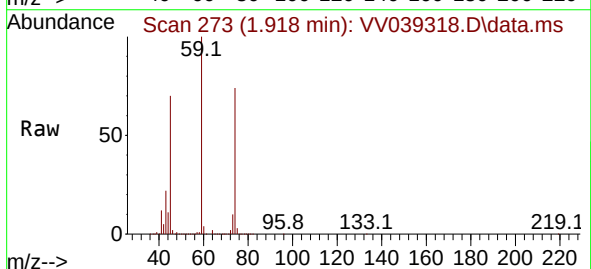
Manual Integrations
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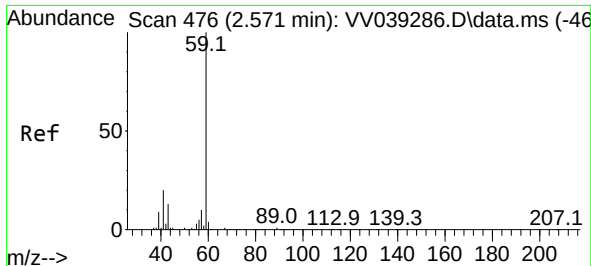
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 46.688 ug/l
RT: 1.918 min Scan# 273
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

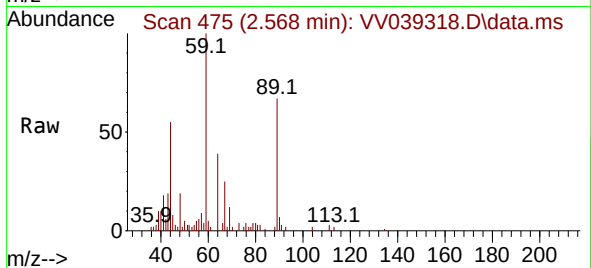
Tgt Ion: 74 Resp: 374782
Ion Ratio Lower Upper
74 100
45 92.3 45.9 137.7





#11
Tert butyl alcohol
Concen: 8.727 ug/l
RT: 2.568 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

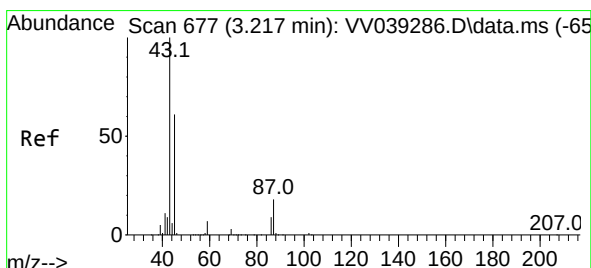
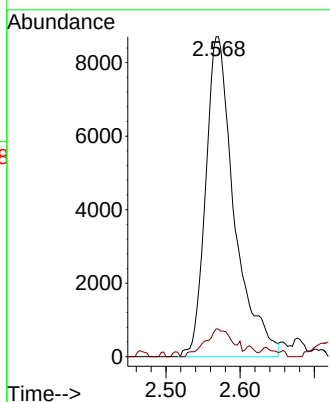
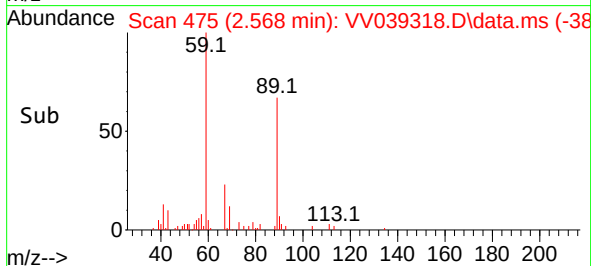
Instrument :
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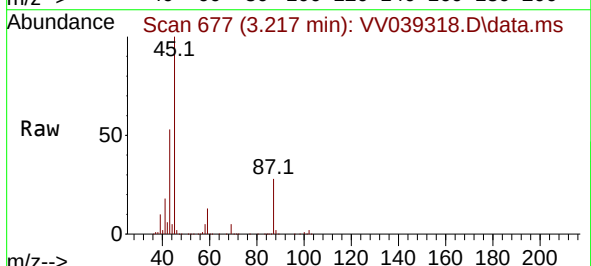
Tgt Ion: 59 Resp: 23270
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1

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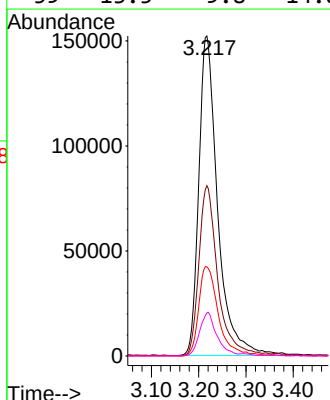
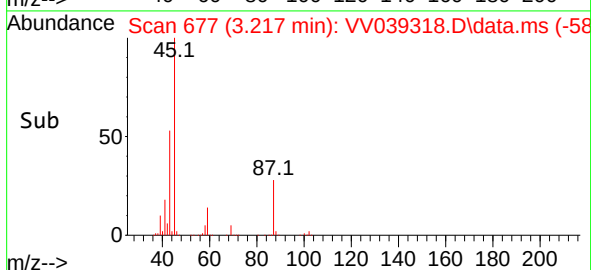
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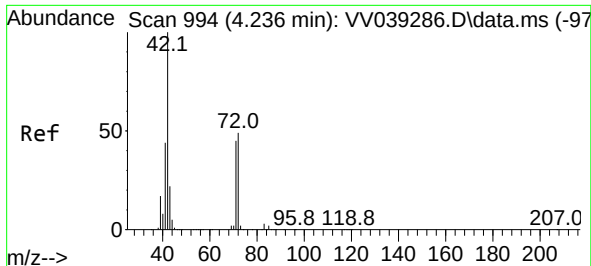


#22
Diisopropyl ether
Concen: 11.342 ug/l
RT: 3.217 min Scan# 677
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39



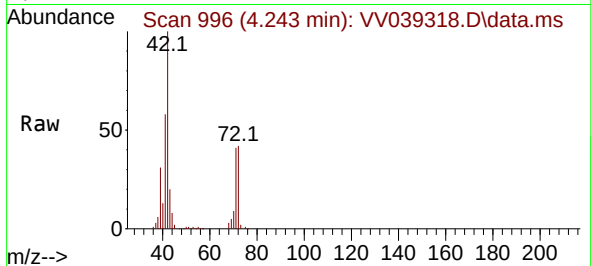
Tgt Ion: 45 Resp: 421610
Ion Ratio Lower Upper
45 100
43 53.2 130.8 196.2#
87 28.0 23.8 35.8
59 13.5 9.8 14.8





#29
Tetrahydrofuran
Concen: 24.555 ug/l
RT: 4.243 min Scan# 994
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

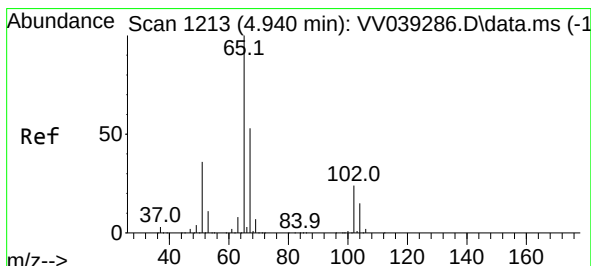
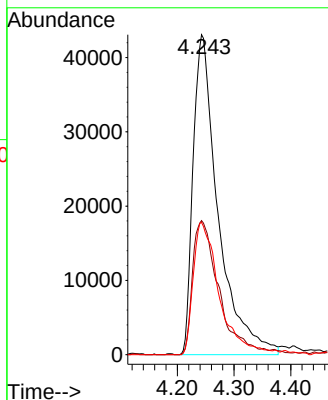
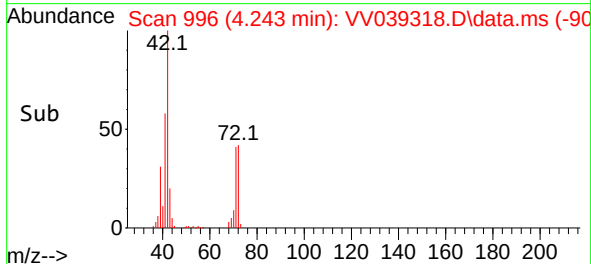
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1



Tgt Ion: 42 Resp: 13214
Ion Ratio Lower Upper
42 100
72 43.5 39.8 59.8
71 42.9 36.5 54.7

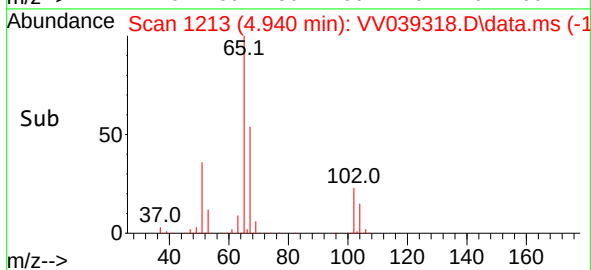
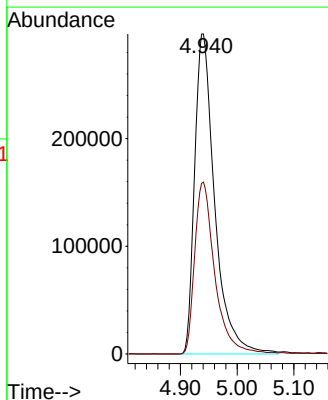
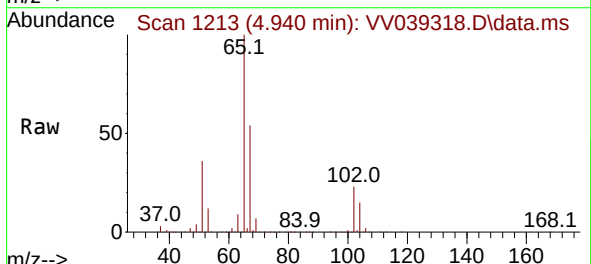
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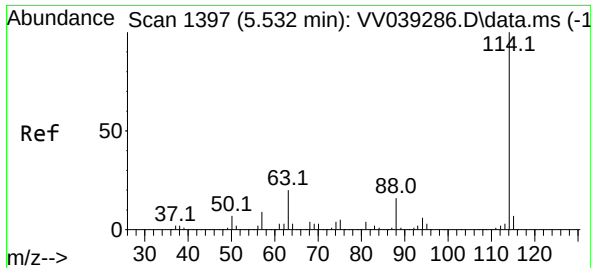
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#33
1,2-Dichloroethane-d4
Concen: 53.131 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 65 Resp: 731249
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.4





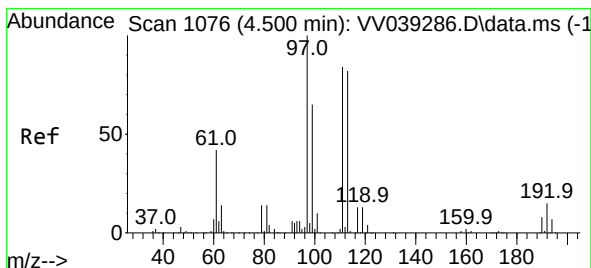
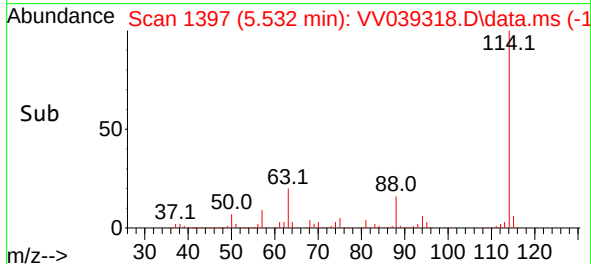
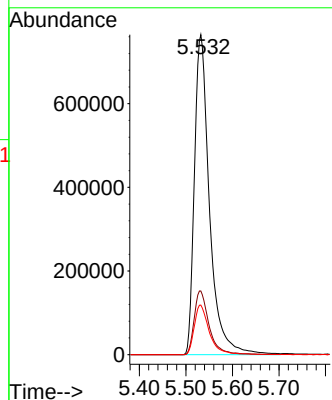
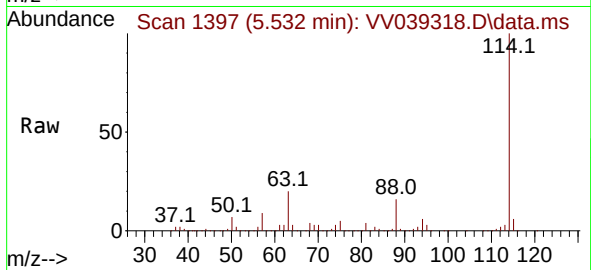
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion:114 Resp: 172247
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.6
88 15.5 0.0 31.6

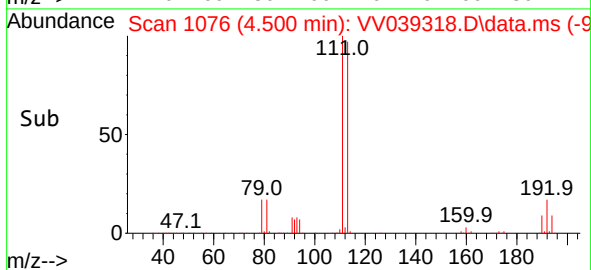
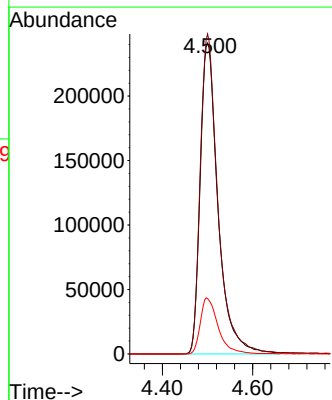
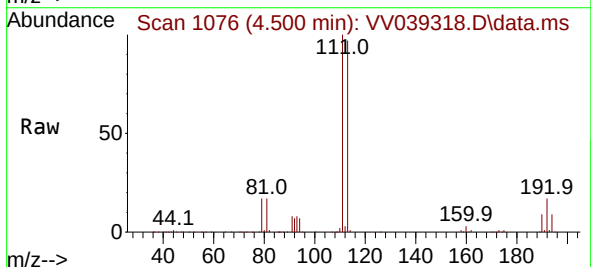
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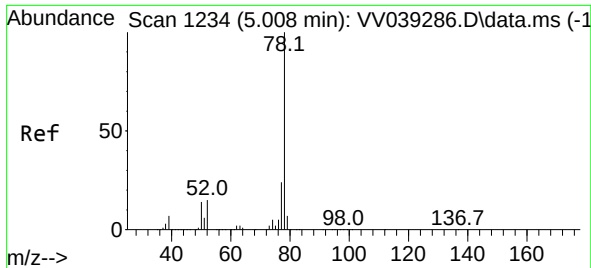
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#35
Dibromofluoromethane
Concen: 48.652 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:113 Resp: 660297
Ion Ratio Lower Upper
113 100
111 102.1 82.0 123.0
192 18.0 14.3 21.5





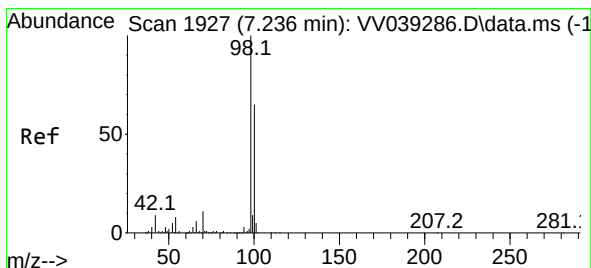
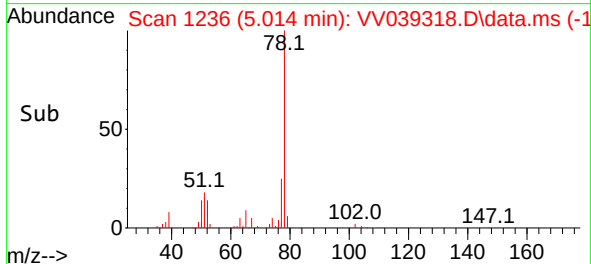
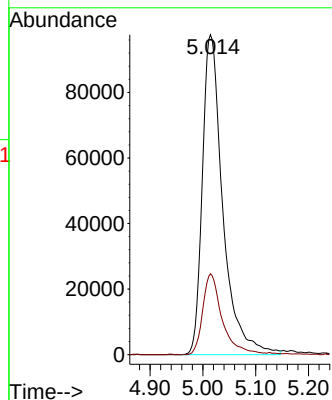
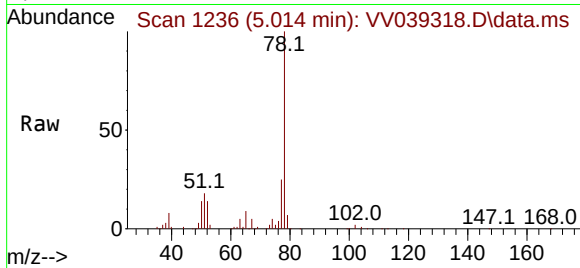
#40
Benzene
Concen: 4.796 ug/l
RT: 5.014 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion: 78 Resp: 26233
Ion Ratio Lower Upper
78 100
77 25.3 18.9 28.3

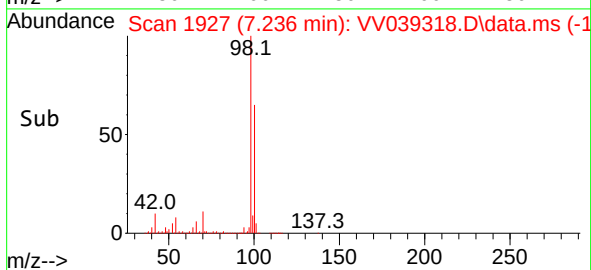
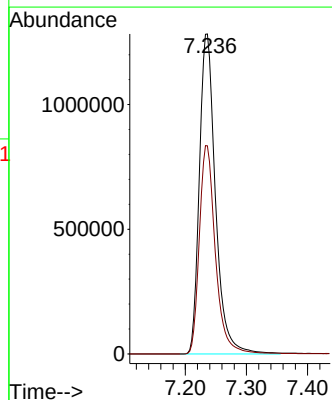
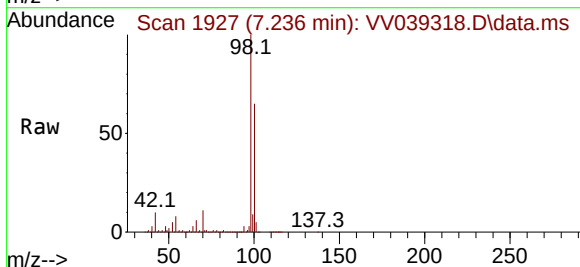
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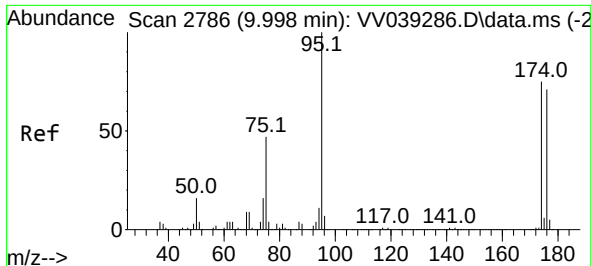
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#50
Toluene-d8
Concen: 50.909 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

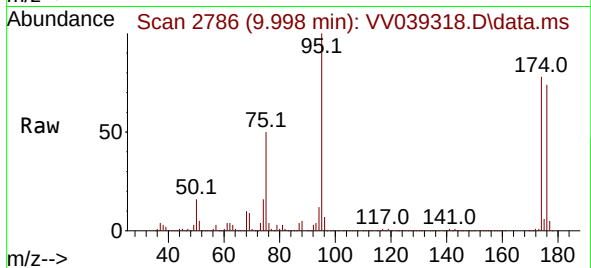
Tgt Ion: 98 Resp: 2350488
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2





#62
4-Bromofluorobenzene
Concen: 53.319 ug/l
RT: 9.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

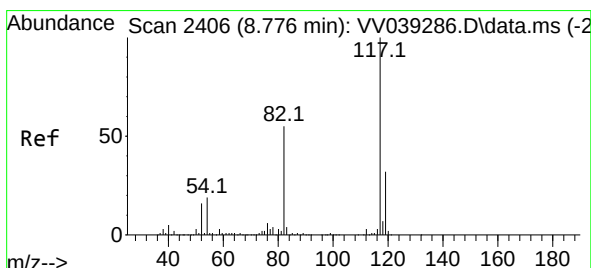
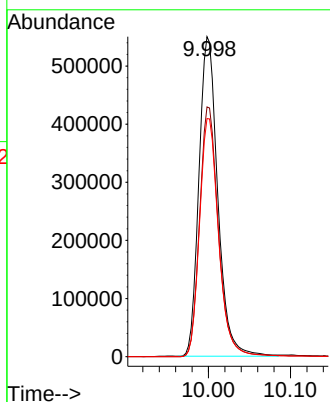
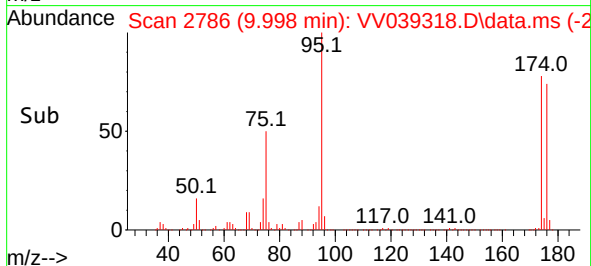
Instrument :
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ClientSampleId :
MW-EB-1



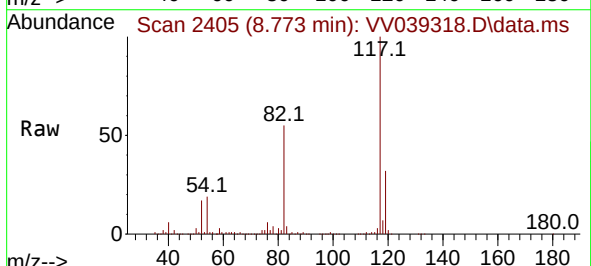
Tgt Ion: 95 Resp: 87674
Ion Ratio Lower Upper
95 100
174 78.3 0.0 153.6
176 75.5 0.0 146.0

Manual Integrations
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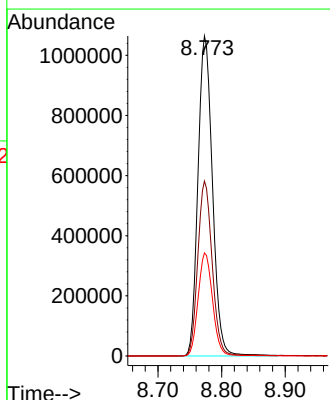
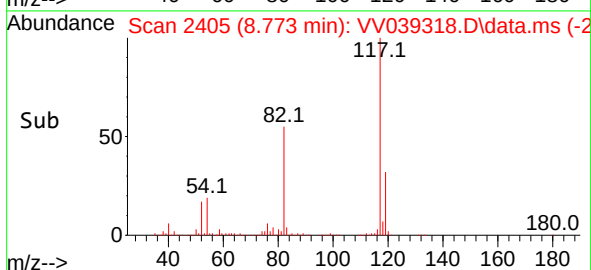
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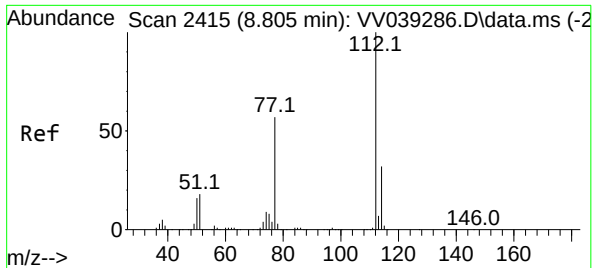


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39



Tgt Ion:117 Resp: 1684073
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 32.2 25.8 38.6





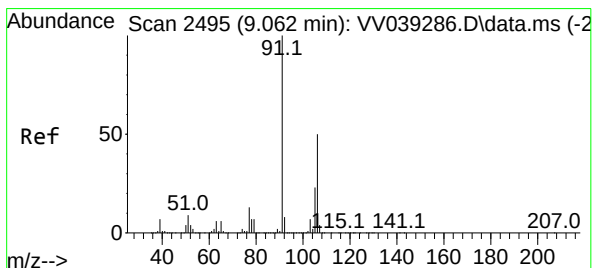
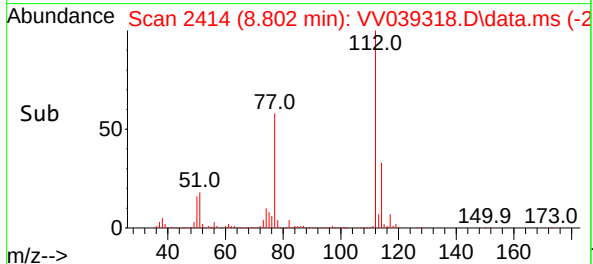
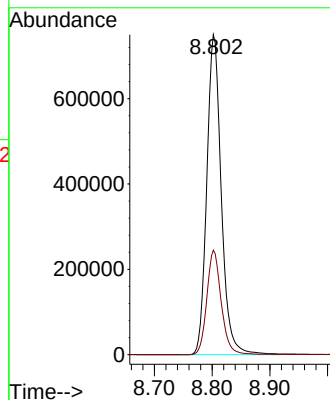
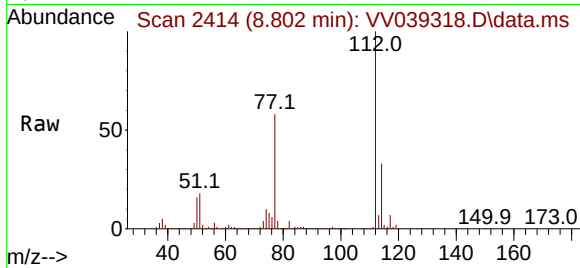
#65
Chlorobenzene
Concen: 32.838 ug/l
RT: 8.802 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion:112 Resp: 130918
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5

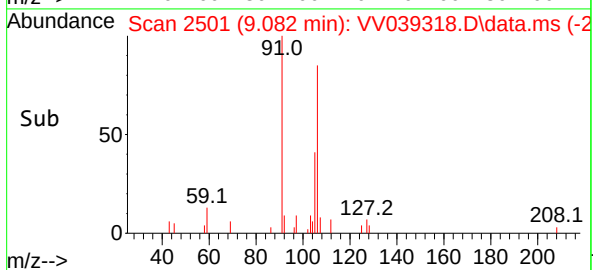
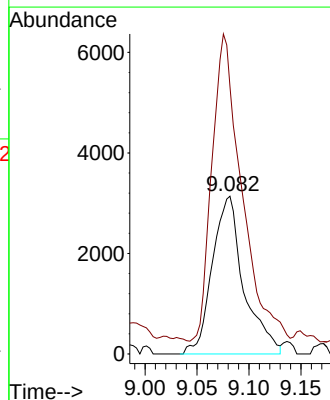
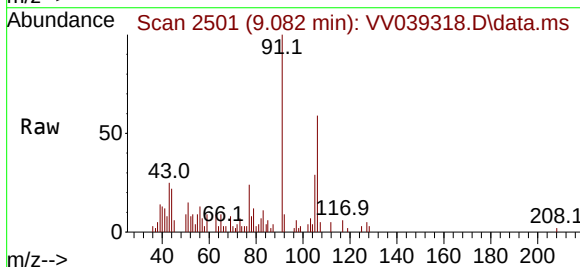
Manual Integrations
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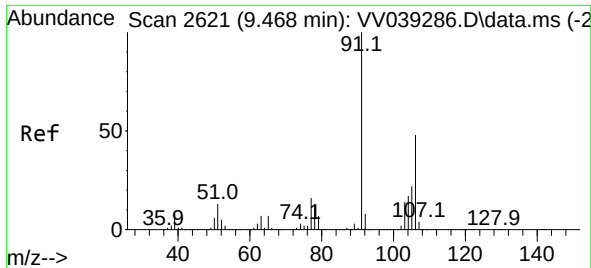
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 9.082 min Scan# 2501
Delta R.T. 0.019 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:106 Resp: 6616
Ion Ratio Lower Upper
106 100
91 183.9 160.2 240.2





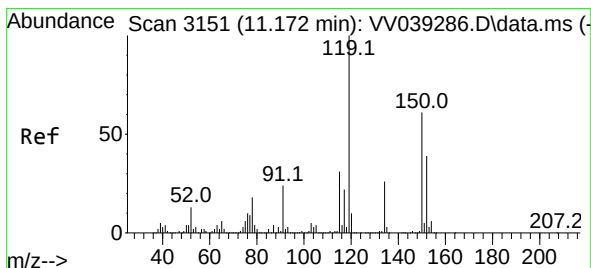
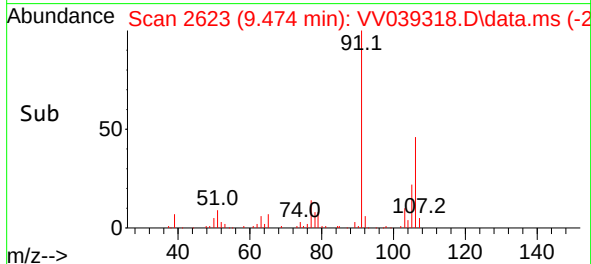
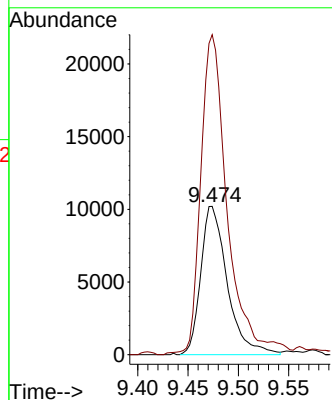
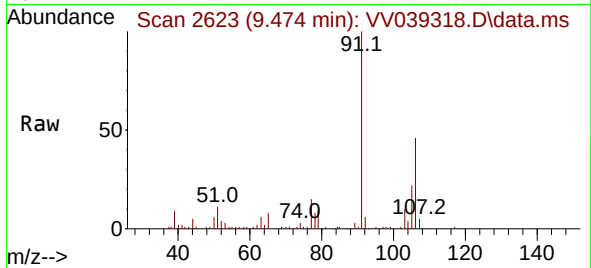
#69
o-Xylene
Concen: 0.911 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion:106 Resp: 1874
Ion Ratio Lower Upper
106 100
91 216.0 105.8 317.3

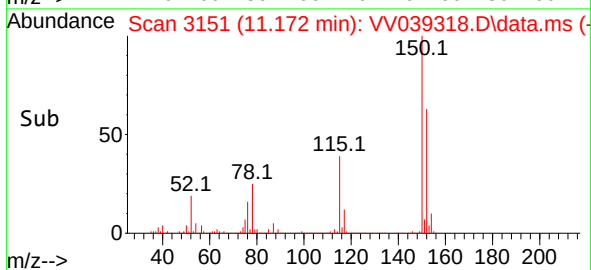
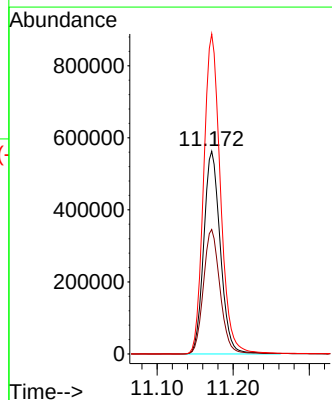
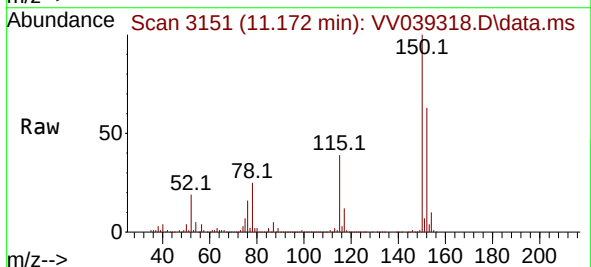
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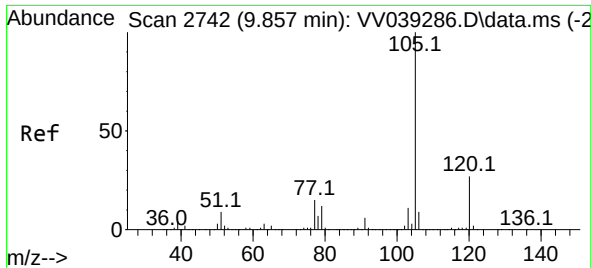
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:152 Resp: 851194
Ion Ratio Lower Upper
152 100
115 61.4 42.3 126.8
150 159.9 0.0 348.0





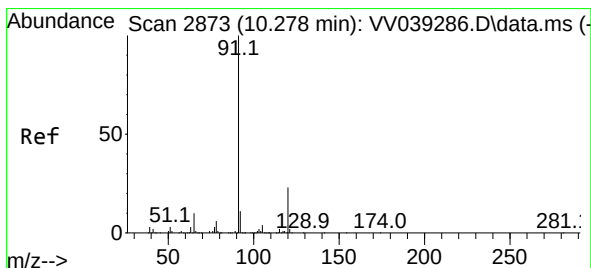
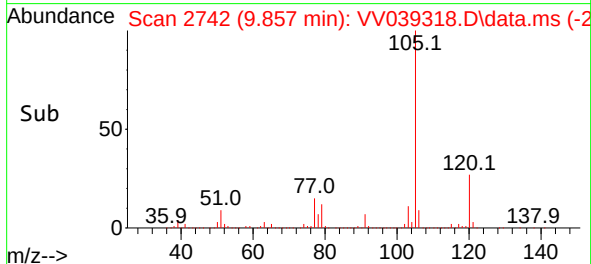
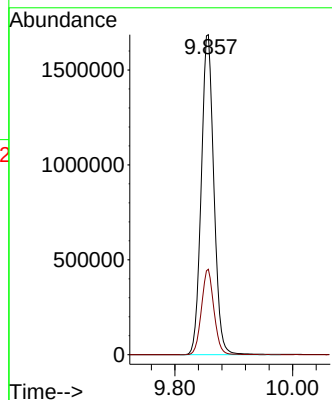
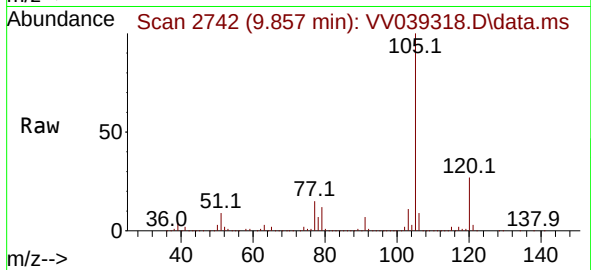
#73
Isopropylbenzene
Concen: 48.537 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion:105 Resp: 250881
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

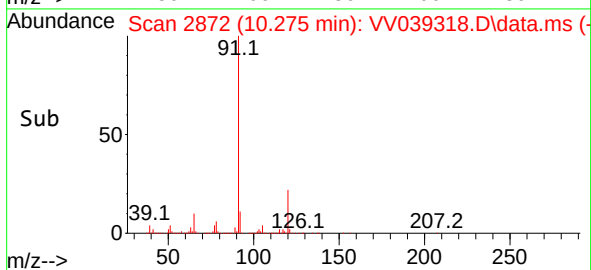
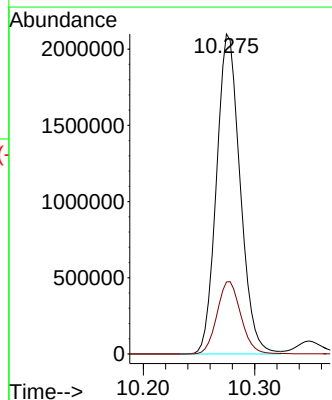
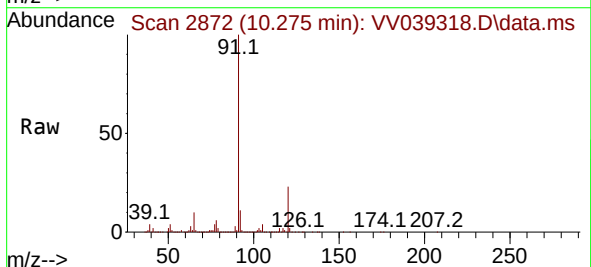
Manual Integrations
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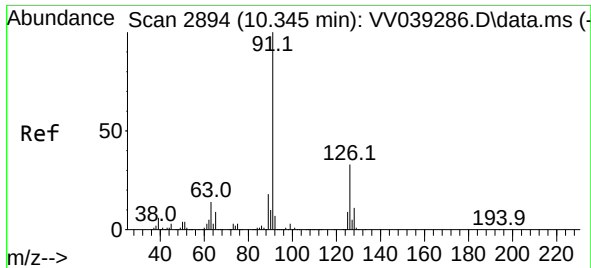
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 49.326 ug/l
RT: 10.275 min Scan# 2872
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 3093598
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5





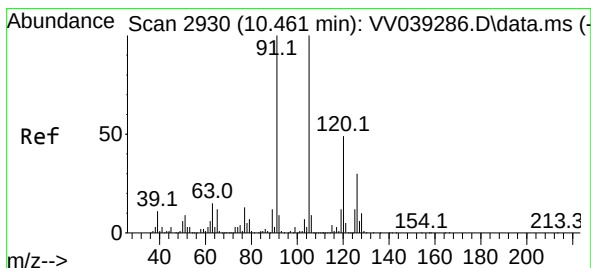
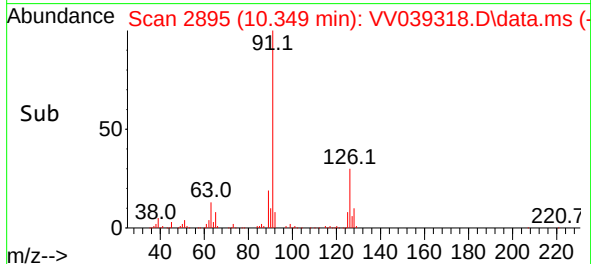
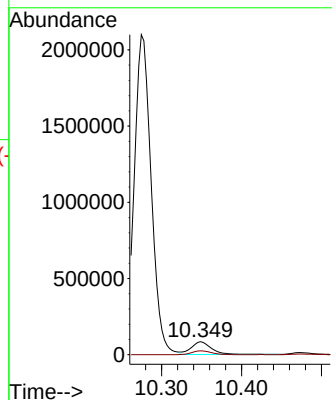
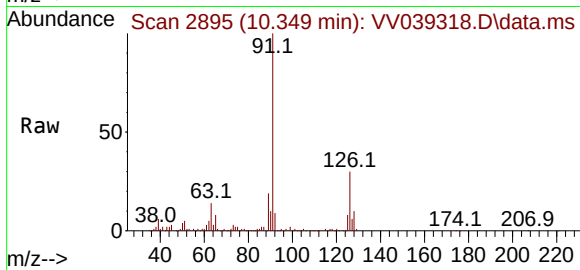
#79
2-Chlorotoluene
Concen: 3.851 ug/l
RT: 10.349 min Scan# 2894
Delta R.T. 0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion: 91 Resp: 14911
Ion Ratio Lower Upper
91 100
126 28.8 16.9 50.6

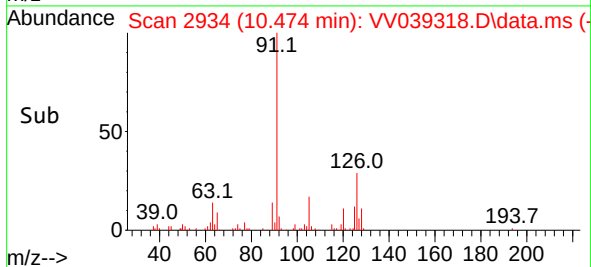
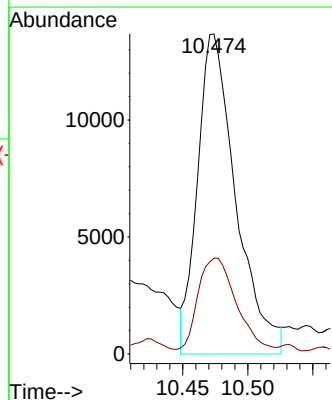
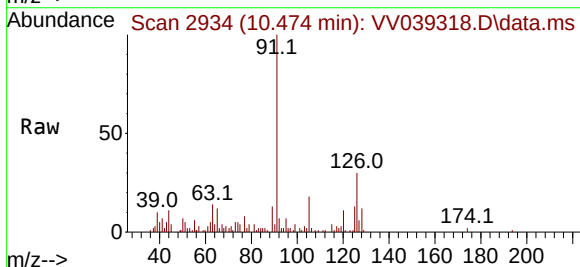
Manual Integrations
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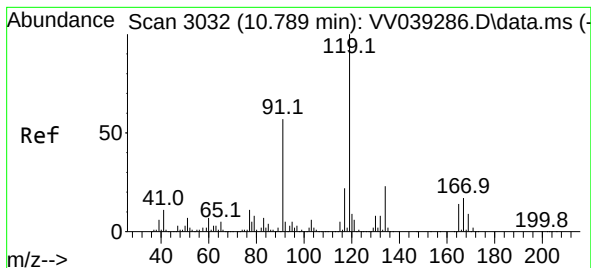
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 0.629 ug/l m
RT: 10.474 min Scan# 2934
Delta R.T. 0.013 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 28016
Ion Ratio Lower Upper
91 100
126 153.4 14.8 44.4#





#83

tert-Butylbenzene

Concen: 0.265 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

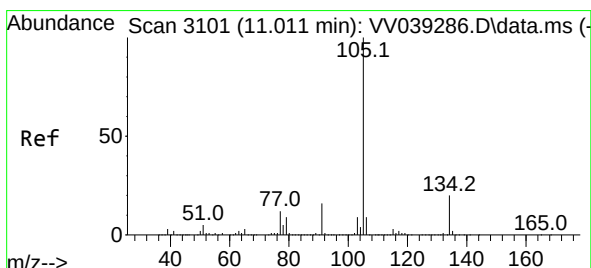
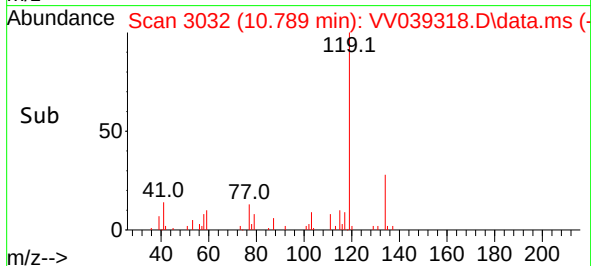
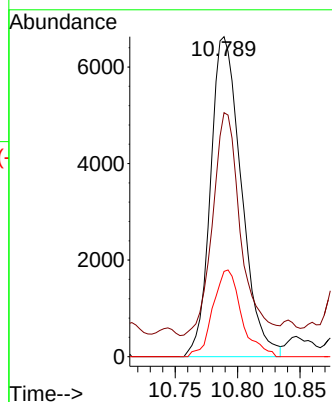
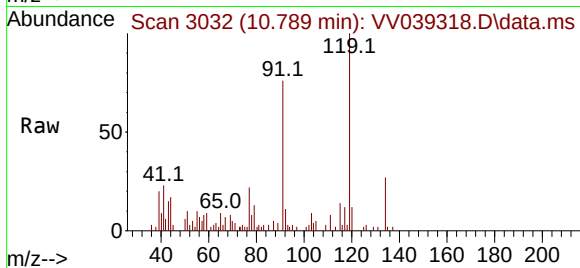
Tgt Ion:	119	Resp:	1139
Ion Ratio	Lower	Upper	
119	100		
91	63.3	28.2	84.7
134	25.2	11.5	34.4

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#85

sec-Butylbenzene

Concen: 1.752 ug/l

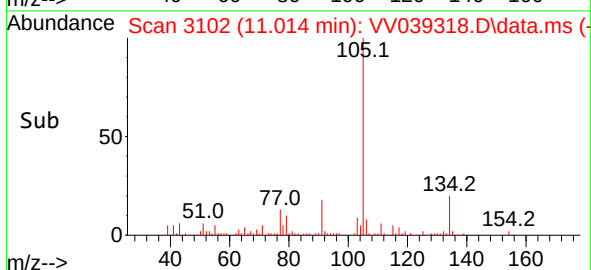
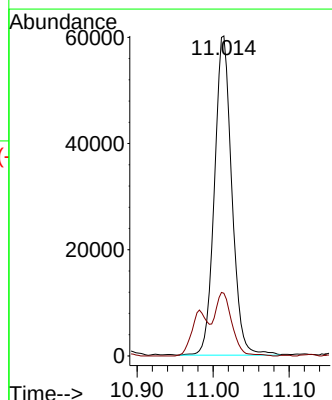
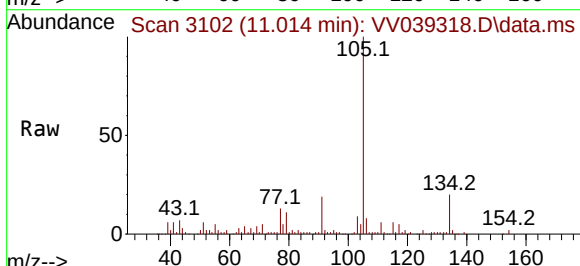
RT: 11.014 min Scan# 3102

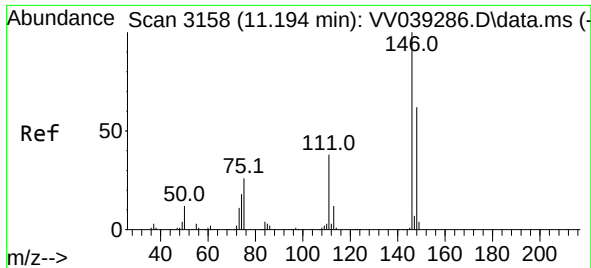
Delta R.T. 0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Tgt Ion:	105	Resp:	95341
Ion Ratio	Lower	Upper	
105	100		
134	18.8	9.8	29.5





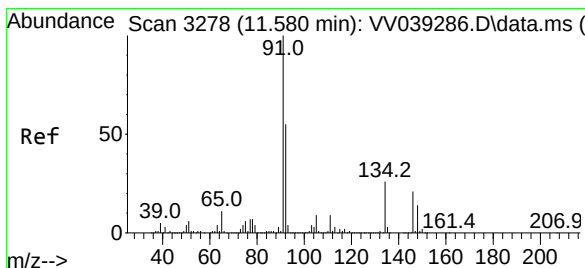
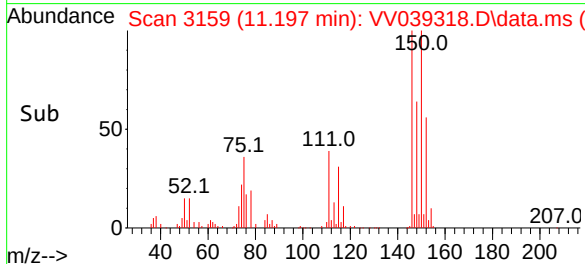
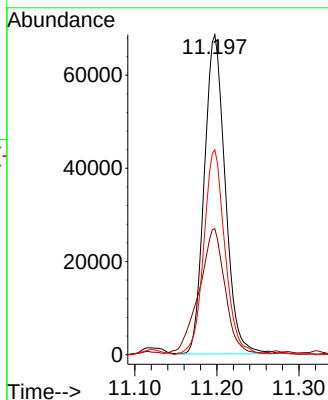
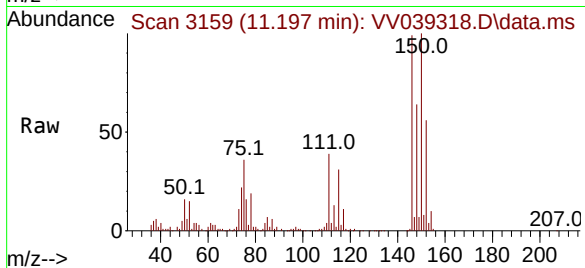
#88
1,4-Dichlorobenzene
Concen: 3.834 ug/l
RT: 11.197 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion:146 Resp: 12160
Ion Ratio Lower Upper
146 100
111 48.1 19.7 59.0
148 65.4 31.5 94.5

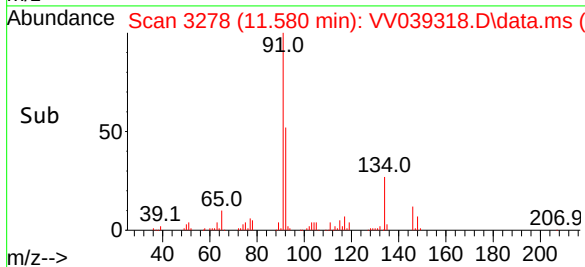
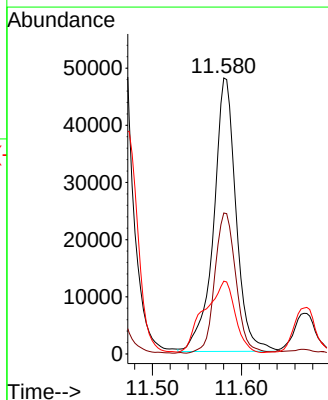
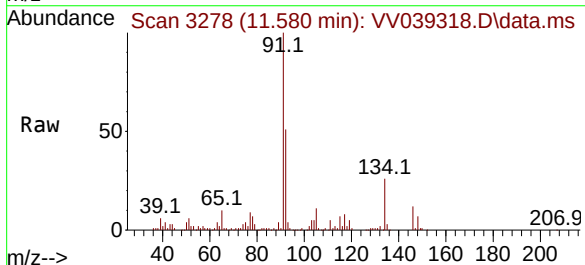
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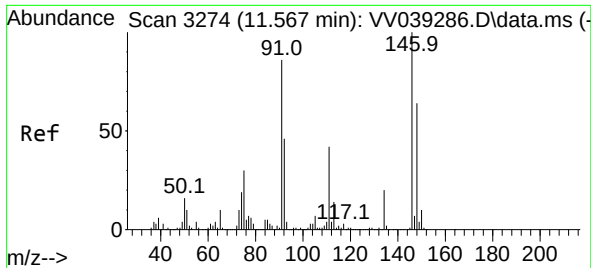
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#89
n-Butylbenzene
Concen: 1.924 ug/l
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

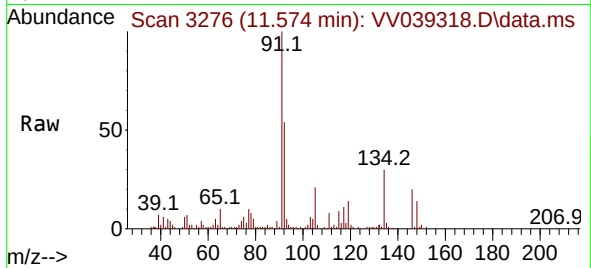
Tgt Ion: 91 Resp: 83827
Ion Ratio Lower Upper
91 100
92 48.4 26.9 80.6
134 37.4 12.6 37.8





#91
 1,2-Dichlorobenzene
 Concen: 0.455 ug/l
 RT: 11.574 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VV039318.D
 Acq: 04 Nov 2025 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-EB-1



Tgt Ion:	146	Resp:	1226
Ion Ratio	Lower	Upper	
146	100		
111	47.8	21.3	64.0
148	66.3	31.9	95.7

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

