

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039342.D
 Acq On : 05 Nov 2025 17:43
 Operator : SY/MD
 Sample : Q3552-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

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

Quant Time: Nov 06 00:19:07 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	698591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1269452	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1250476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	611666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	564955	56.913	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.820%			
35) Dibromofluoromethane	4.500	113	509320	50.920	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.840%			
50) Toluene-d8	7.236	98	1621615	47.656	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.320%			
62) 4-Bromofluorobenzene	9.998	95	679674	56.085	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 112.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.124	85	13937	1.578	ug/l	93
8) Diethyl Ether	1.921	74	55233	9.540	ug/l	96
11) Tert butyl alcohol	2.561	59	1178206	612.457	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	31713	1.119	ug/l #	87
29) Tetrahydrofuran	4.239	42	348572	89.803	ug/l	98
40) Benzene	5.008	78	1840462	45.655	ug/l	100
52) Toluene	7.320	92	13960	0.574	ug/l	99
65) Chlorobenzene	8.802	112	875724	29.583	ug/l	100
69) o-Xylene	9.471	106	25439	1.666	ug/l	99
73) Isopropylbenzene	9.853	105	2547351	68.582	ug/l	100
78) n-propylbenzene	10.281	91	127212	2.823	ug/l	100
79) 2-Chlorotoluene	10.352	91	20387m	0.733	ug/l	
87) 1,3-Dichlorobenzene	11.117	146	12328	0.605	ug/l	94
88) 1,4-Dichlorobenzene	11.197	146	169419	7.433	ug/l	98
89) n-Butylbenzene	11.580	91	21264m	0.679	ug/l	
91) 1,2-Dichlorobenzene	11.574	146	16468	0.850	ug/l	96

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

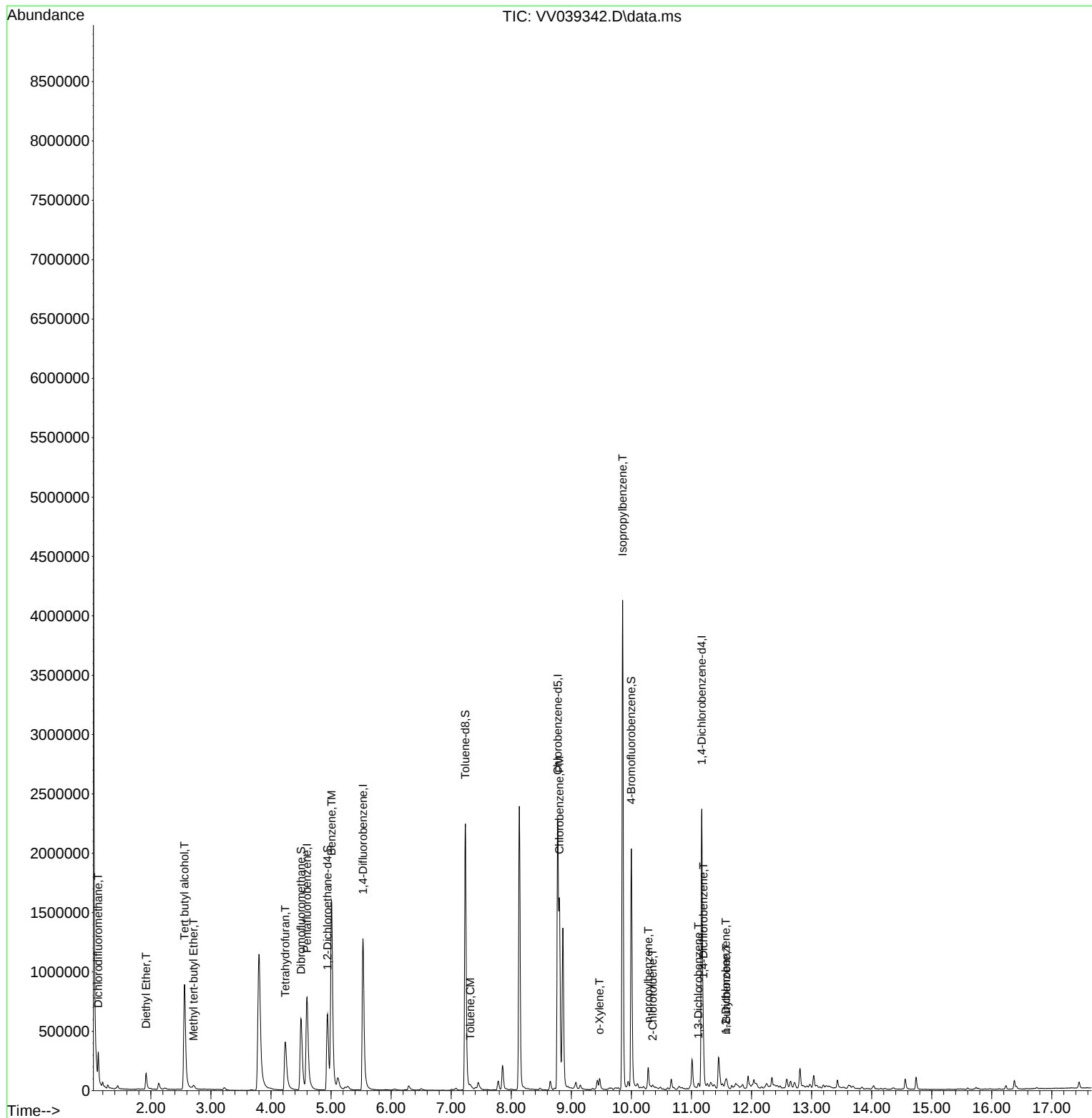
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

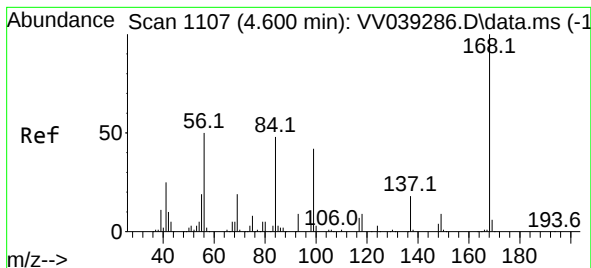
Instrument :
MSVOA_V
ClientSampleId :
MW-4

Quant Time: Nov 06 00:19:07 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

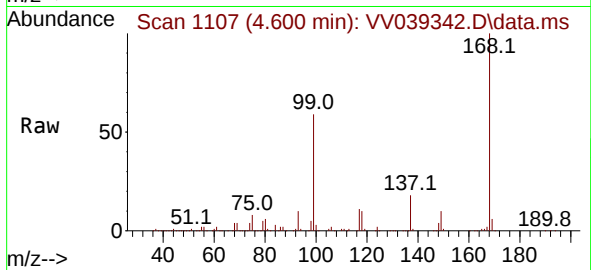
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

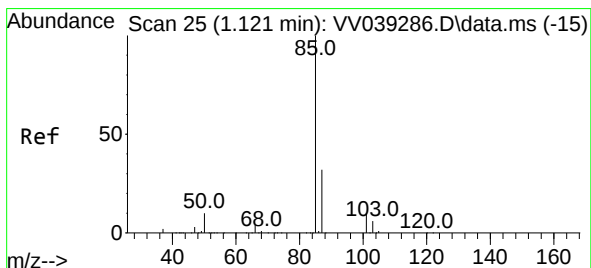
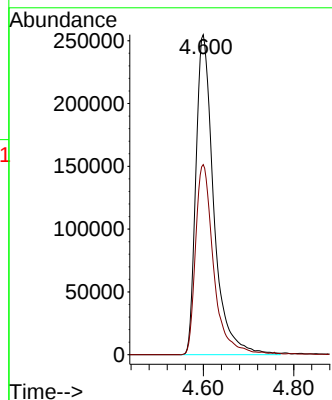
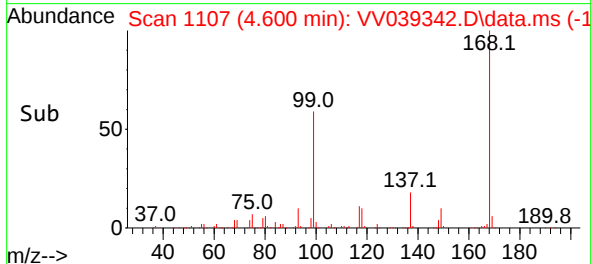
Instrument :
MSVOA_V
ClientSampleId :
MW-4



Tgt Ion:168 Resp: 69859
Ion Ratio Lower Upper
168 100
99 59.4 46.6 70.0

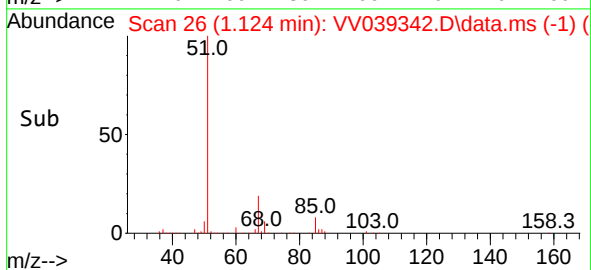
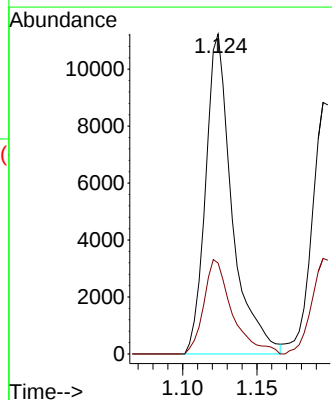
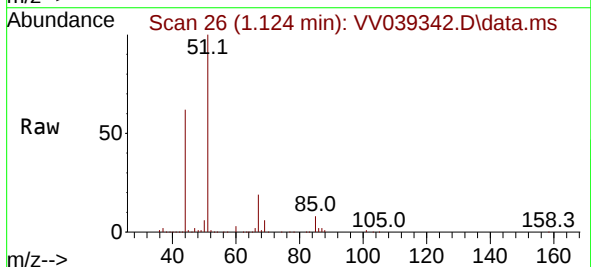
Manual Integrations
APPROVED

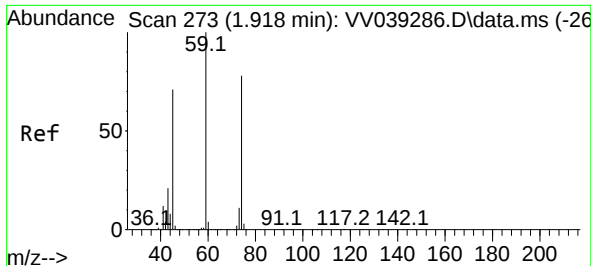
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#2
Dichlorodifluoromethane
Concen: 1.578 ug/l
RT: 1.124 min Scan# 26
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

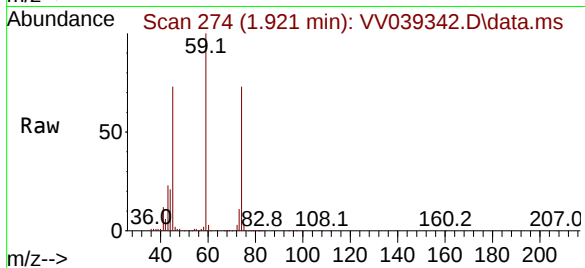
Tgt Ion: 85 Resp: 13937
Ion Ratio Lower Upper
85 100
87 28.4 16.1 48.2





#8
Diethyl Ether
Concen: 9.540 ug/l
RT: 1.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

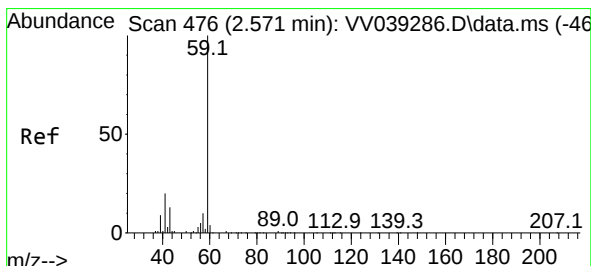
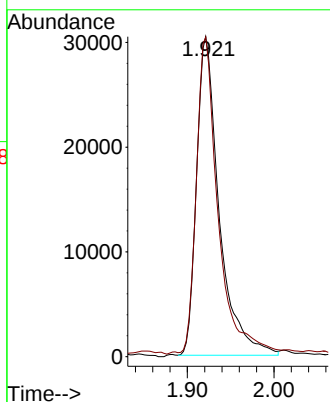
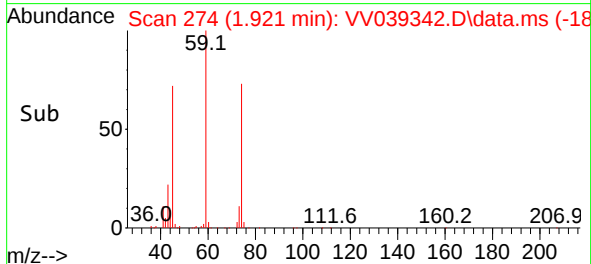
Instrument :
MSVOA_V
ClientSampleId :
MW-4



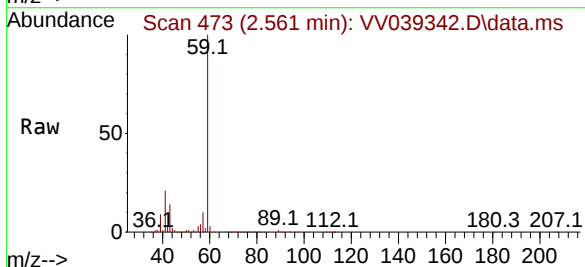
Tgt Ion: 74 Resp: 5523
Ion Ratio Lower Upper
74 100
45 95.8 45.9 137.7

Manual Integrations
APPROVED

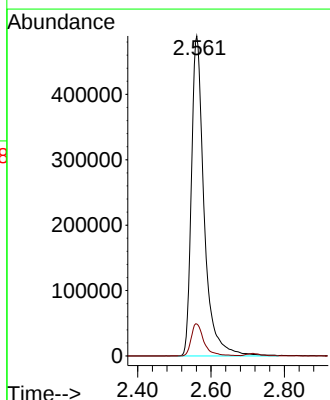
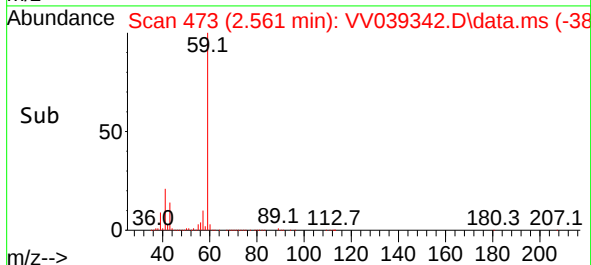
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

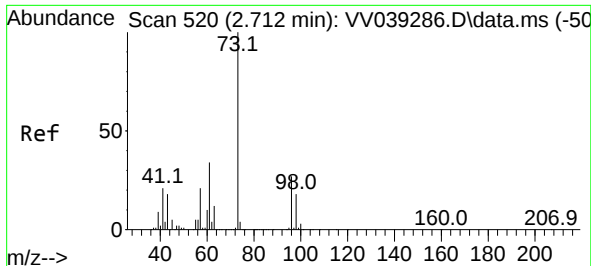


#11
Tert butyl alcohol
Concen: 612.457 ug/l
RT: 2.561 min Scan# 473
Delta R.T. -0.010 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43



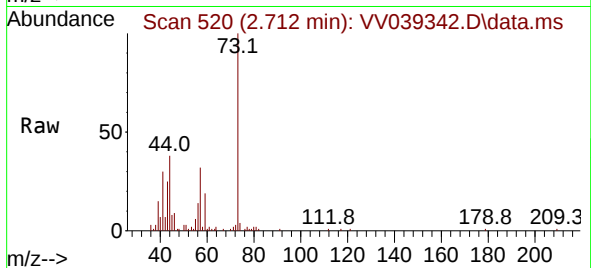
Tgt Ion: 59 Resp: 1178206
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1





#19
Methyl tert-butyl Ether
Concen: 1.119 ug/l
RT: 2.712 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

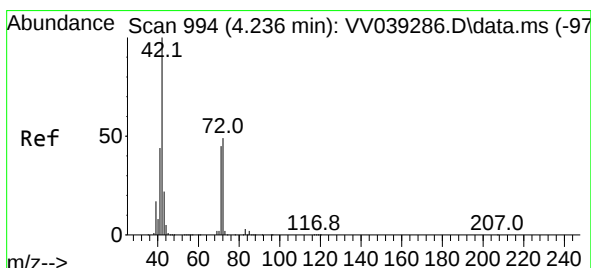
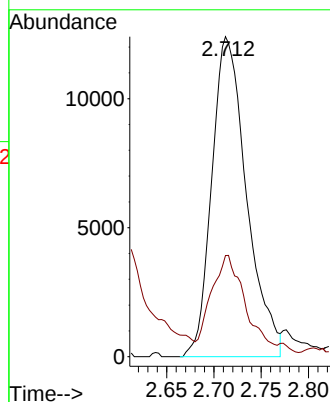
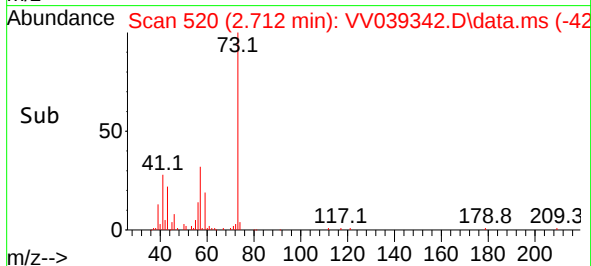
Instrument :
MSVOA_V
ClientSampleId :
MW-4



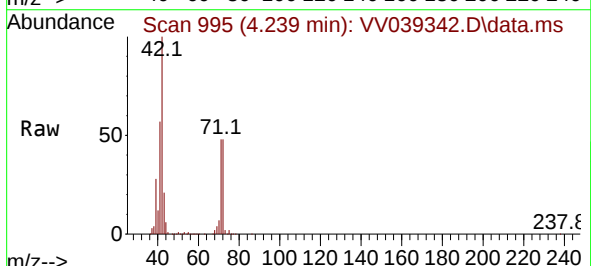
Tgt Ion: 73 Resp: 3171
Ion Ratio Lower Upper
73 100
57 27.5 17.0 25.6

Manual Integrations
APPROVED

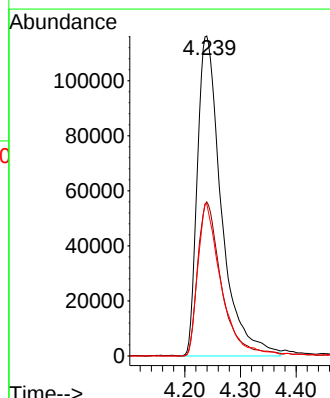
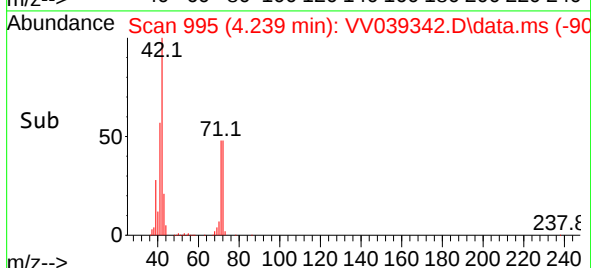
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

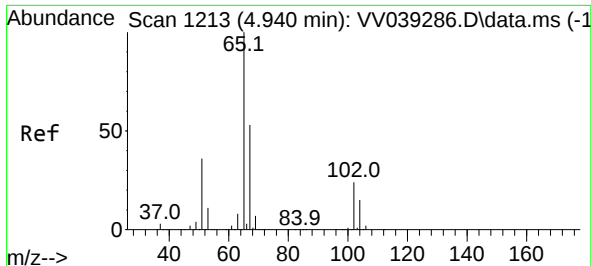


#29
Tetrahydrofuran
Concen: 89.803 ug/l
RT: 4.239 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43



Tgt Ion: 42 Resp: 348572
Ion Ratio Lower Upper
42 100
72 47.6 39.8 59.8
71 46.2 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 56.913 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

Instrument :

MSVOA_V

ClientSampleId :

MW-4

Tgt Ion: 65 Resp: 564952

Ion Ratio Lower Upper

65 100

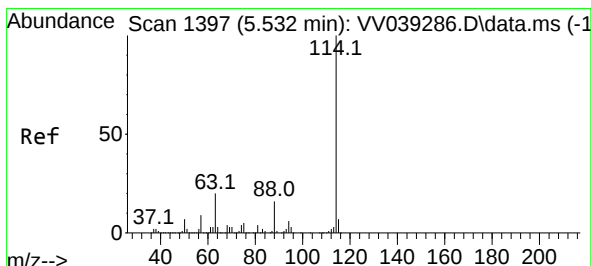
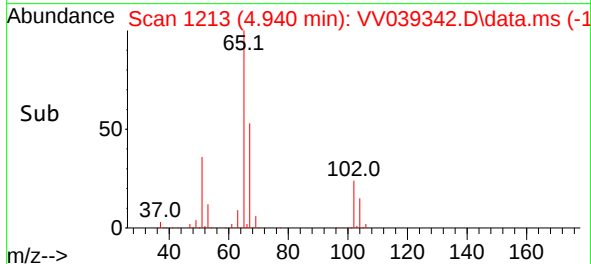
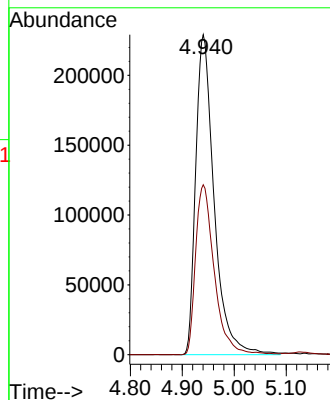
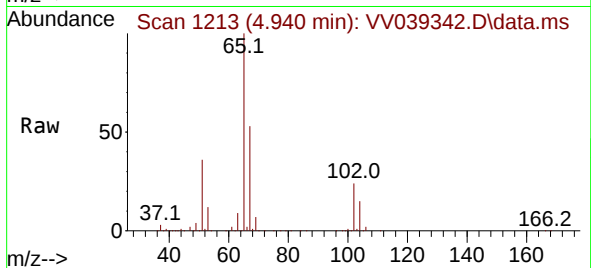
67 53.5 0.0 108.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Mahesh Dadoda 11/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

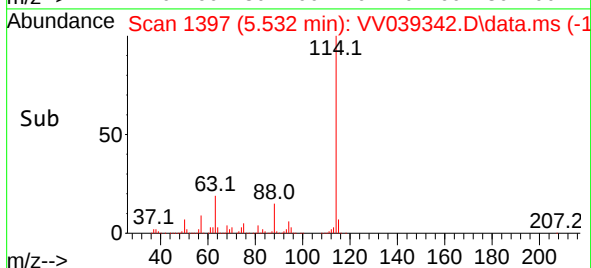
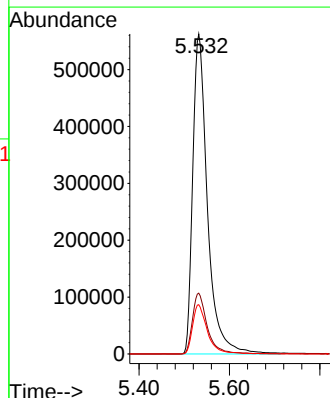
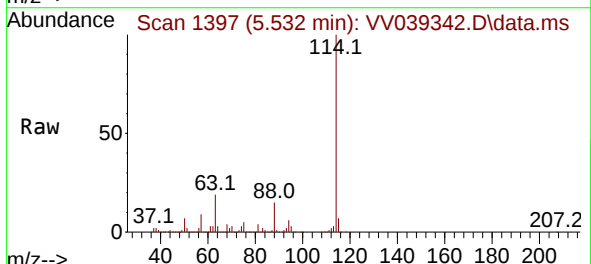
Tgt Ion:114 Resp: 1269452

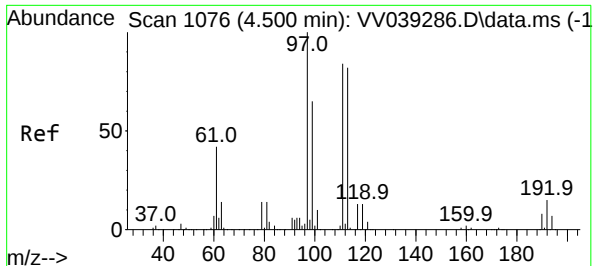
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.920 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

Instrument :

MSVOA_V

ClientSampleId :

MW-4

Tgt Ion:113 Resp: 509320

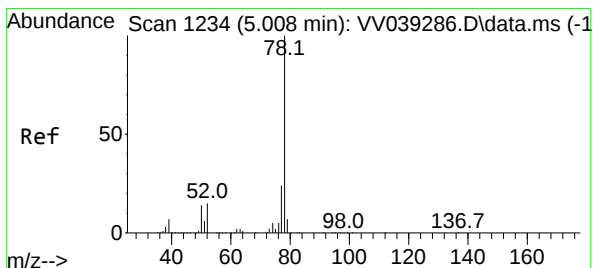
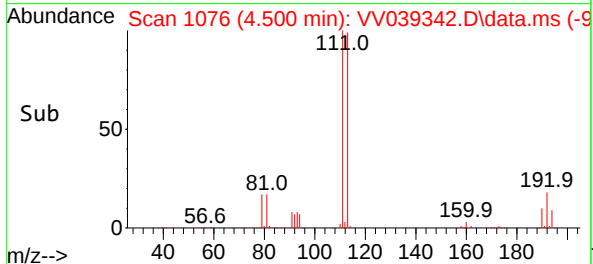
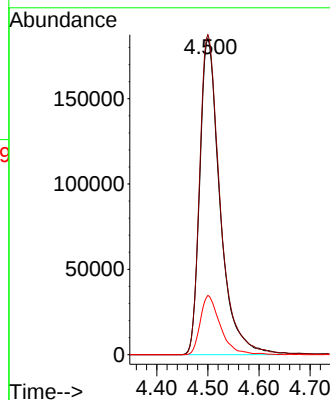
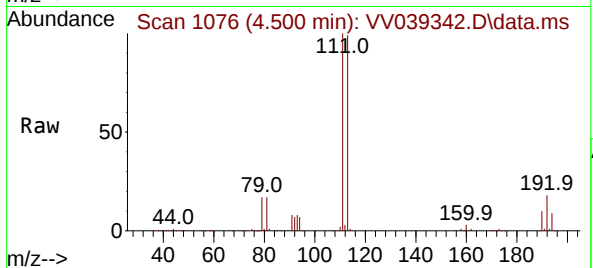
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	18.4	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Mahesh Dadoda 11/06/2025



#40

Benzene

Concen: 45.655 ug/l

RT: 5.008 min Scan# 1234

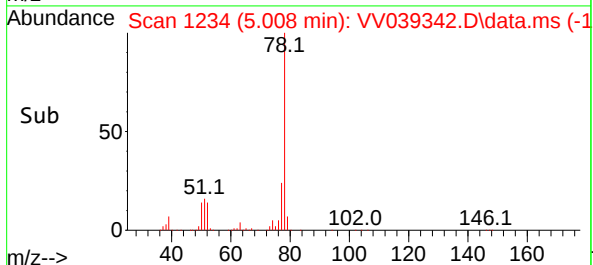
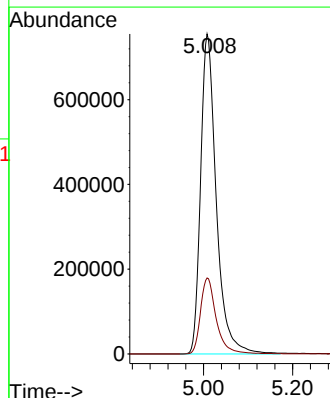
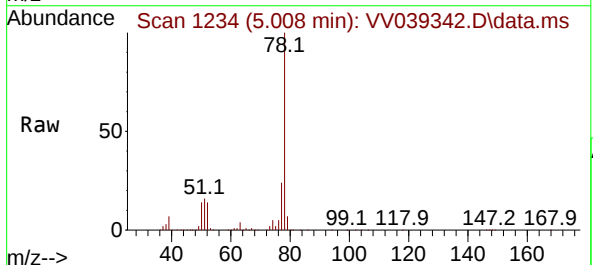
Delta R.T. -0.000 min

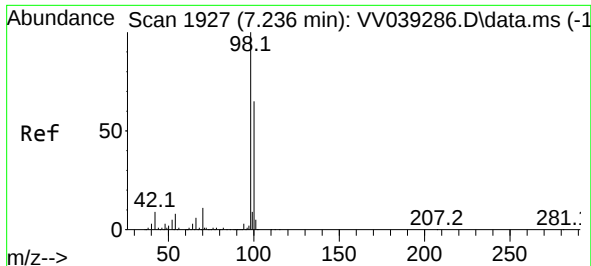
Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

Tgt Ion: 78 Resp: 1840462

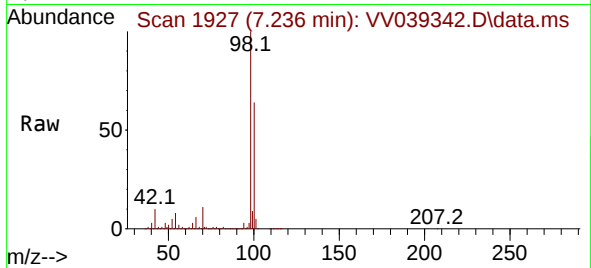
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#50
Toluene-d8
Concen: 47.656 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

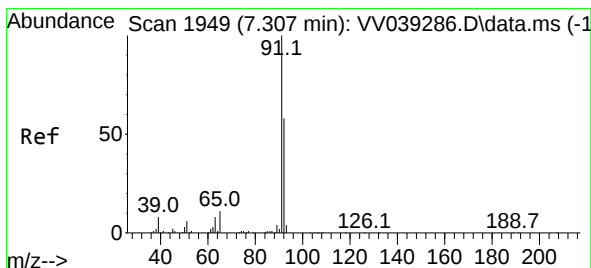
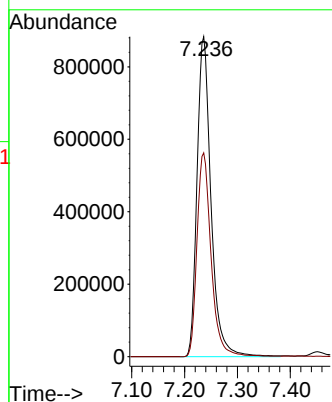
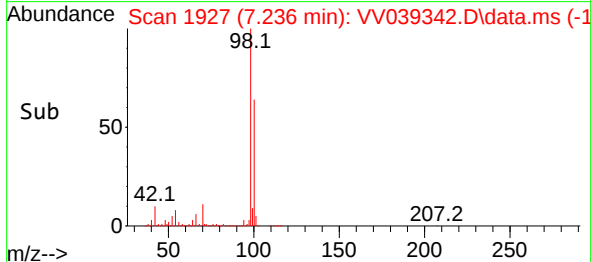
Instrument :
MSVOA_V
ClientSampleId :
MW-4



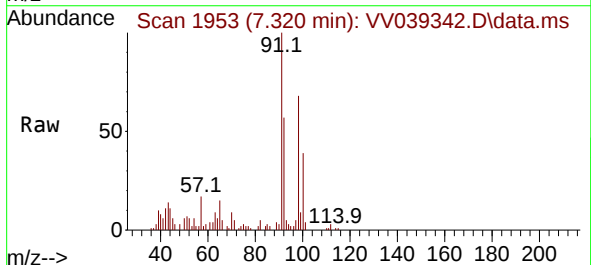
Tgt Ion: 98 Resp: 162161
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

Manual Integrations
APPROVED

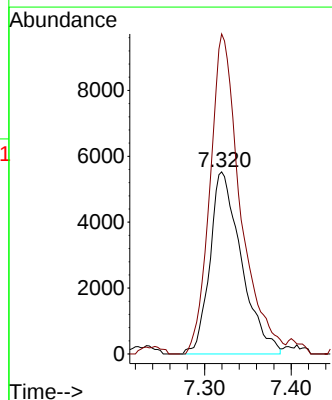
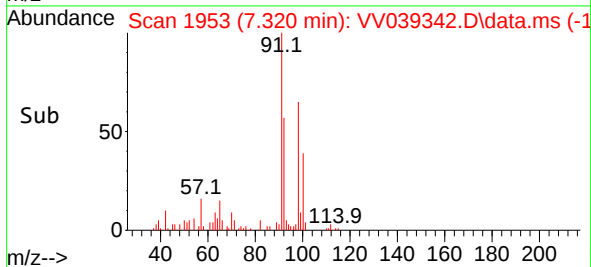
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

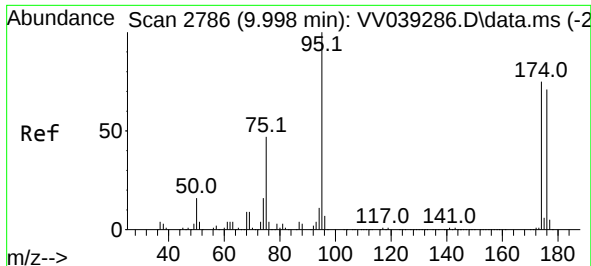


#52
Toluene
Concen: 0.574 ug/l
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43



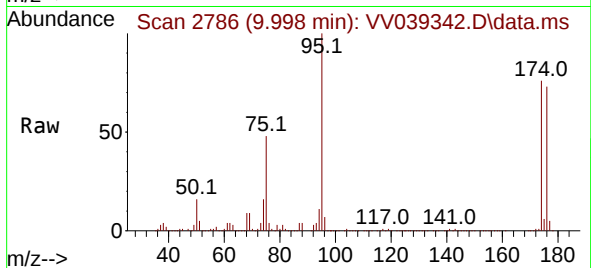
Tgt Ion: 92 Resp: 13960
Ion Ratio Lower Upper
92 100
91 169.8 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 56.085 ug/l
RT: 9.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

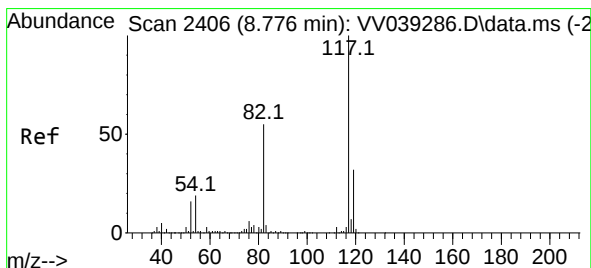
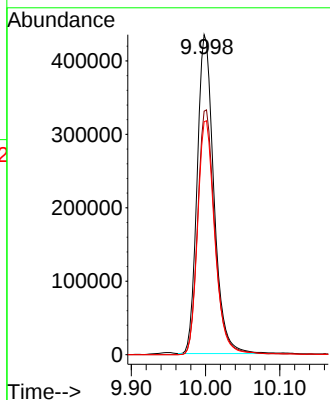
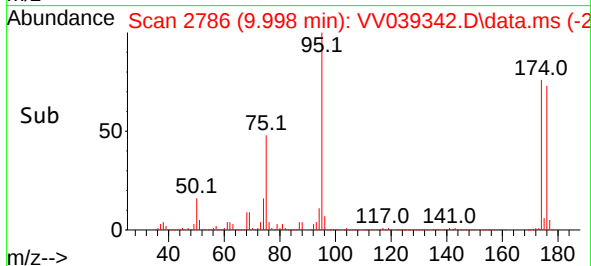
Instrument :
MSVOA_V
ClientSampleId :
MW-4



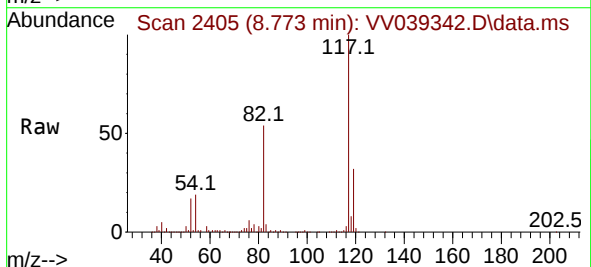
Tgt Ion: 95 Resp: 679674
Ion Ratio Lower Upper
95 100
174 78.9 0.0 153.6
176 75.3 0.0 146.0

Manual Integrations
APPROVED

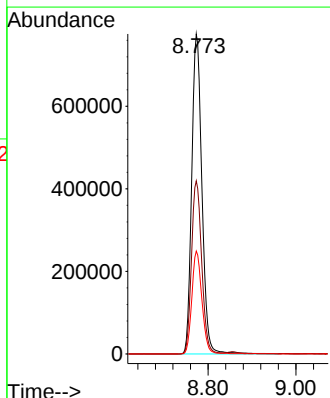
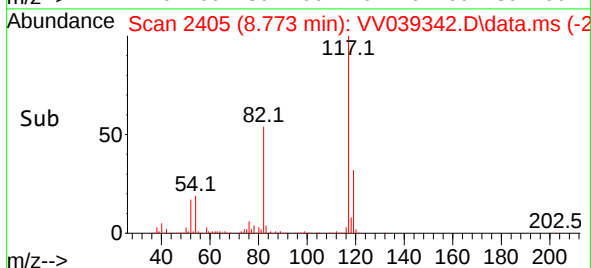
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

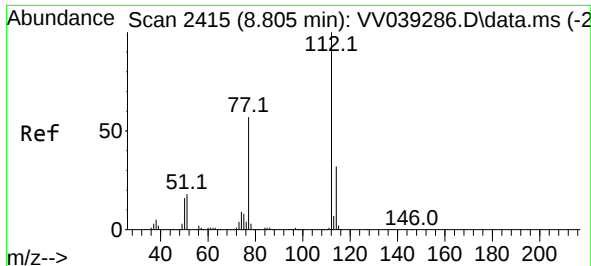


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43



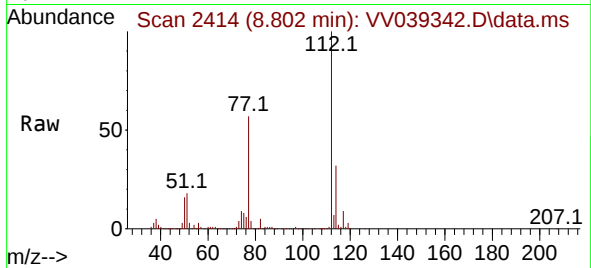
Tgt Ion:117 Resp: 1250476
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.8
119 32.1 25.8 38.6





#65
Chlorobenzene
Concen: 29.583 ug/l
RT: 8.802 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

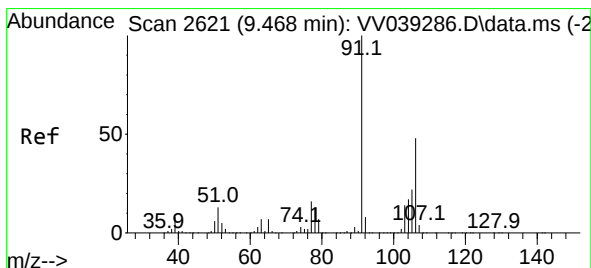
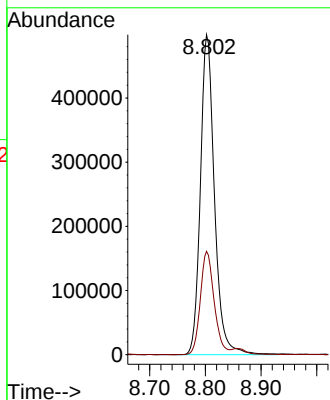
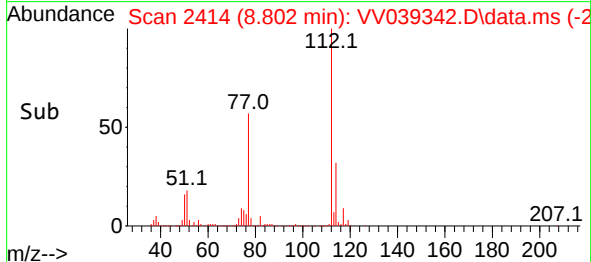
Instrument :
MSVOA_V
ClientSampleId :
MW-4



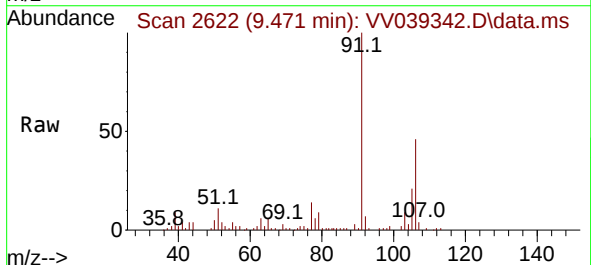
Tgt Ion:112 Resp: 875724
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

Manual Integrations
APPROVED

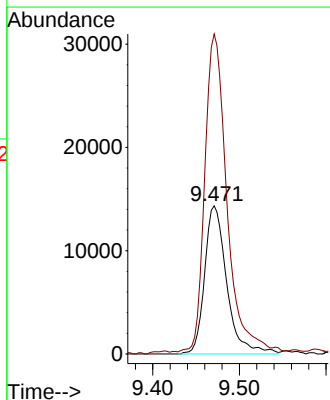
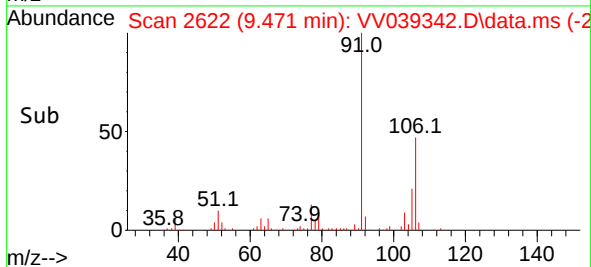
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

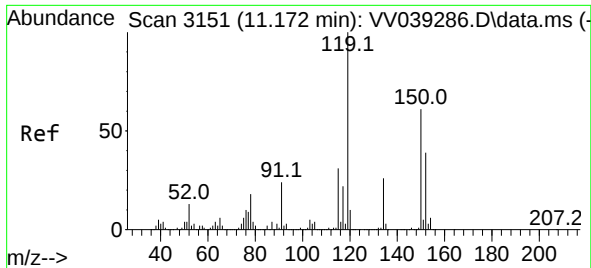


#69
o-Xylene
Concen: 1.666 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43



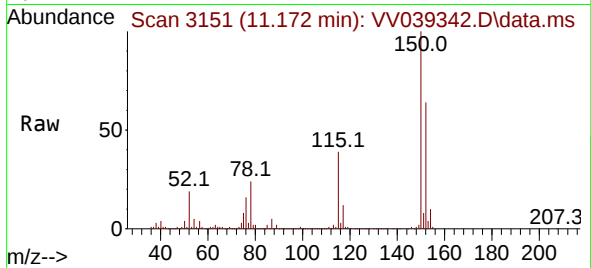
Tgt Ion:106 Resp: 25439
Ion Ratio Lower Upper
106 100
91 213.5 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

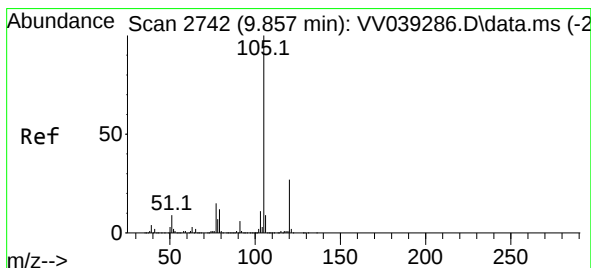
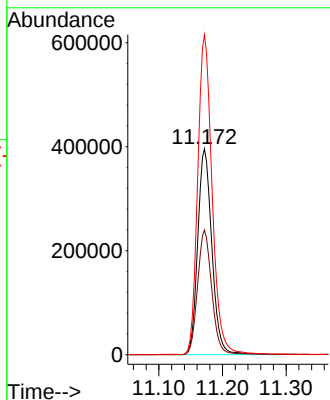
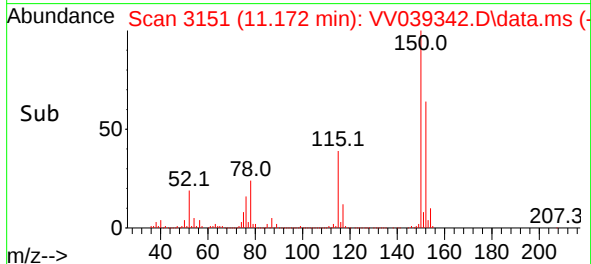
Instrument :
MSVOA_V
ClientSampleId :
MW-4



Tgt Ion:152 Resp: 611660
Ion Ratio Lower Upper
152 100
115 60.5 42.3 126.8
150 158.2 0.0 348.0

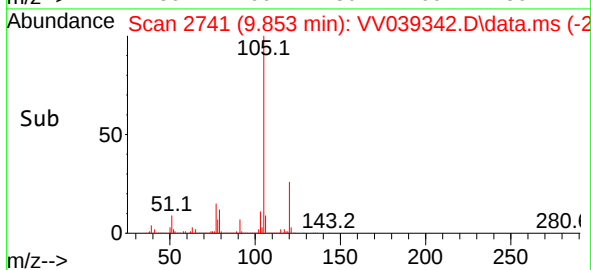
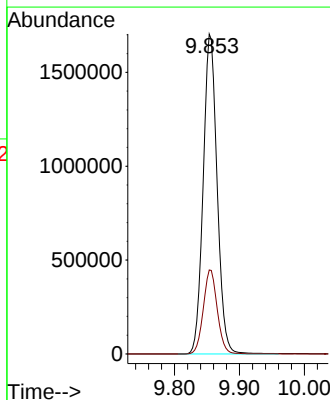
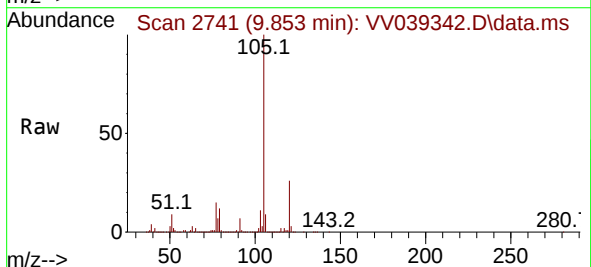
Manual Integrations
APPROVED

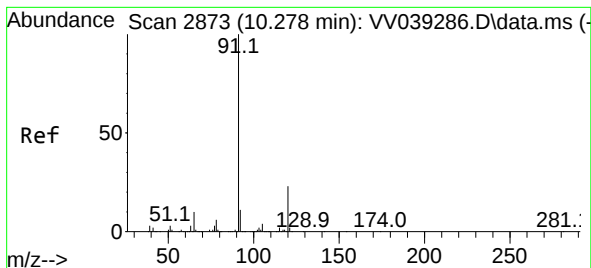
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#73
Isopropylbenzene
Concen: 68.582 ug/l
RT: 9.853 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:105 Resp: 2547351
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5





#78

n-propylbenzene

Concen: 2.823 ug/l

RT: 10.281 min Scan# 2874

Delta R.T. 0.003 min

Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

Instrument :

MSVOA_V

ClientSampleId :

MW-4

Tgt Ion: 91 Resp: 12721

Ion Ratio Lower Upper

91 100

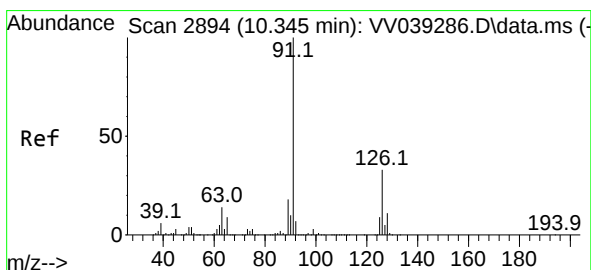
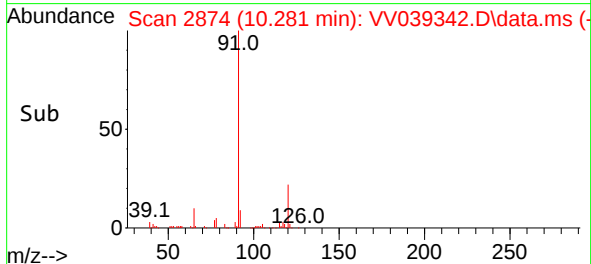
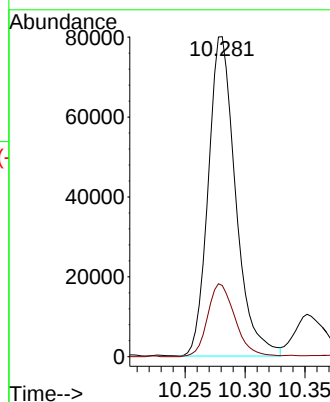
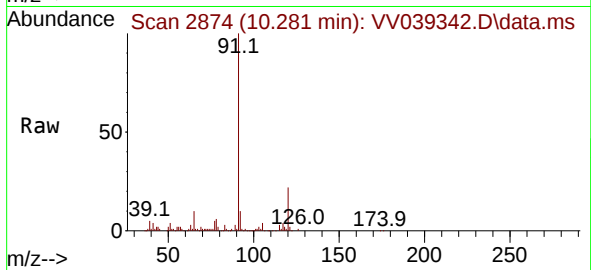
120 22.9 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Mahesh Dadoda 11/06/2025



#79

2-Chlorotoluene

Concen: 0.733 ug/l m

RT: 10.352 min Scan# 2896

Delta R.T. 0.006 min

Lab File: VV039342.D

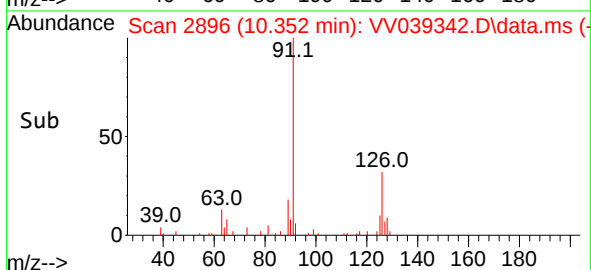
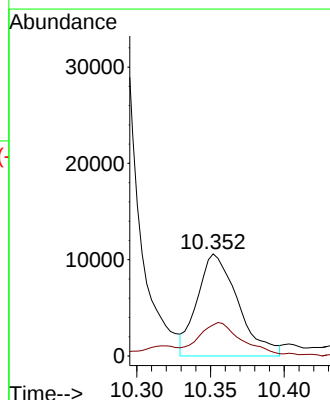
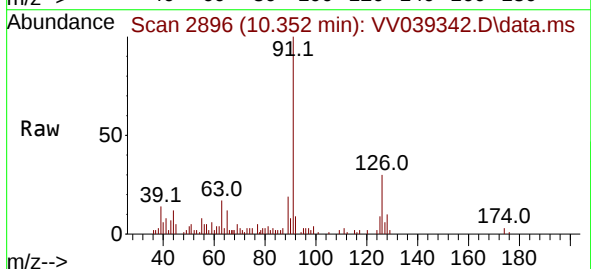
Acq: 05 Nov 2025 17:43

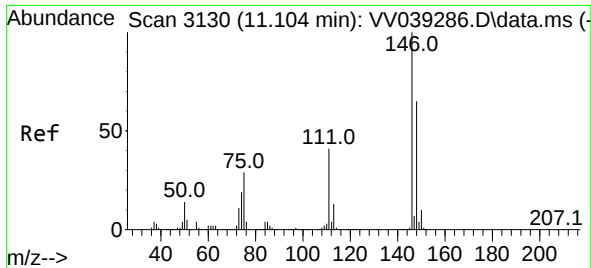
Tgt Ion: 91 Resp: 20387

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.6#





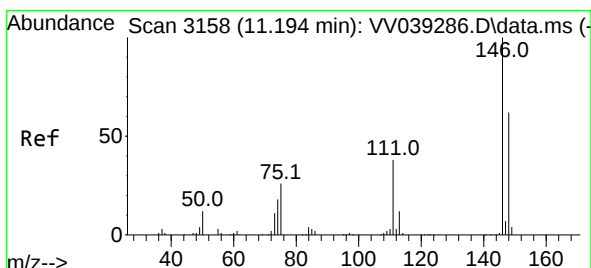
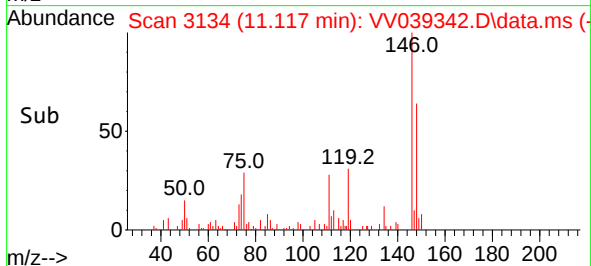
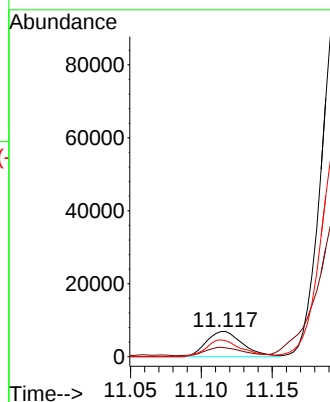
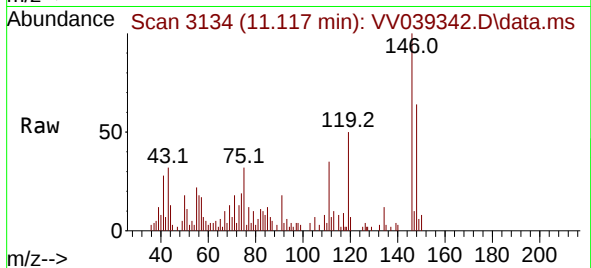
#87
1,3-Dichlorobenzene
Concen: 0.605 ug/l
RT: 11.117 min Scan# 3134
Delta R.T. 0.013 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Instrument :
MSVOA_V
ClientSampleId :
MW-4

Tgt Ion:146 Resp: 12328
Ion Ratio Lower Upper
146 100
111 33.5 20.6 61.8
148 64.9 31.9 95.9

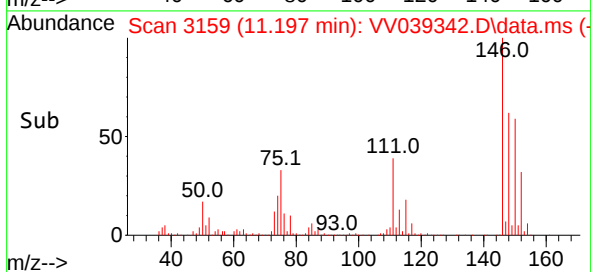
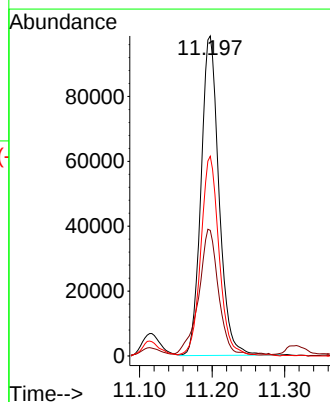
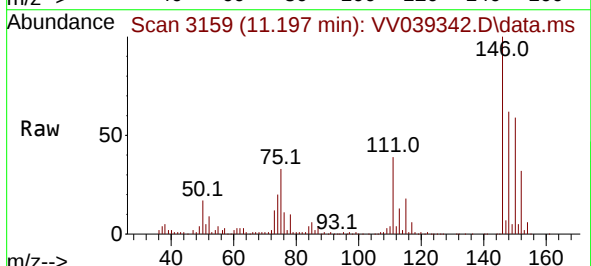
Manual Integrations
APPROVED

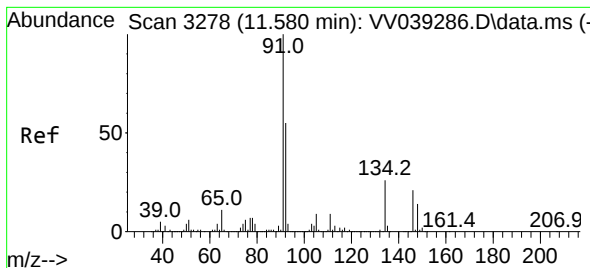
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#88
1,4-Dichlorobenzene
Concen: 7.433 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 169419
Ion Ratio Lower Upper
146 100
111 42.7 19.7 59.0
148 62.9 31.5 94.5





#89

n-Butylbenzene

Concen: 0.679 ug/l m

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

Instrument :

MSVOA_V

ClientSampleId :

MW-4

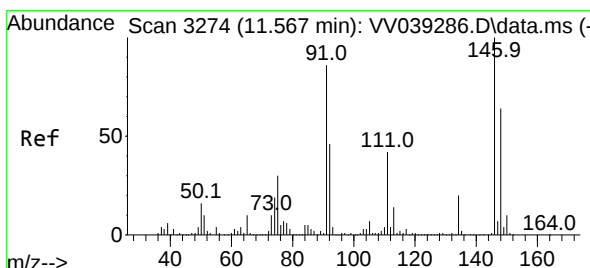
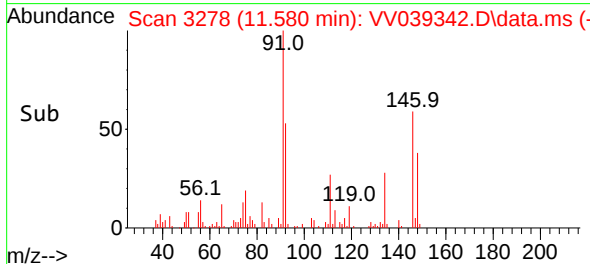
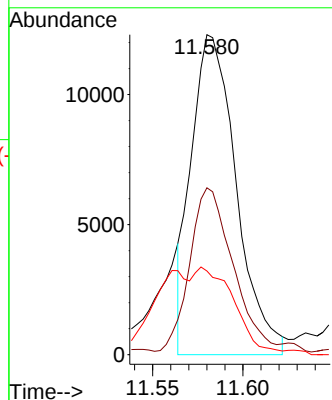
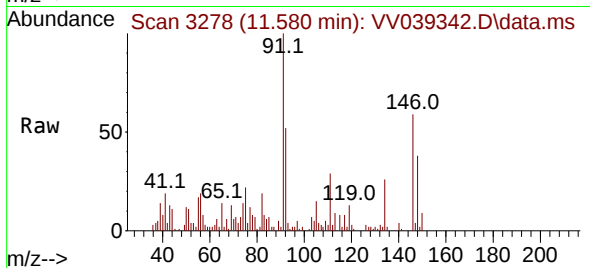
Tgt Ion:	91	Resp:	21264
Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.9	80.6
134	20.1	12.6	37.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Mahesh Dadoda 11/06/2025



#91

1,2-Dichlorobenzene

Concen: 0.850 ug/l

RT: 11.574 min Scan# 3276

Delta R.T. 0.006 min

Lab File: VV039342.D

Acq: 05 Nov 2025 17:43

Tgt Ion:	146	Resp:	16468
Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.3	64.0
148	62.9	31.9	95.7

