

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043098.D
 Acq On : 09 Oct 2025 21:14
 Operator : SY/MD
 Sample : Q3320-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 22:21:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	204982	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	521167	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.866	117	475558	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	400781	11.699	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	117.000%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	1.868	101	53062	1.495	ppbv	99
13) Ethanol	1.713	45	3851	6.616	ppbv #	31
15) Acetone	1.826	43	40043	1.395	ppbv	95
19) Isopropyl Alcohol	1.881	45	2579	0.188	ppbv #	1
20) Methylene Chloride	2.052	84	2635	0.210	ppbv #	79
26) Hexane	2.836	57	14629	0.528	ppbv #	30
27) Carbon Disulfide	2.137	76	5715	0.175	ppbv #	1
29) Chloroform	2.855	83	6862	0.145	ppbv	93
32) 1,1,1-Trichloroethane	3.373	97	4915	0.107	ppbv	98
34) 2-Butanone	2.551	43	5295	0.150	ppbv	97
38) Trichloroethene	4.545	130	859704	41.447	ppbv	95
52) Tetrachloroethene	8.209	164	396570	21.510	ppbv	99
53) Toluene	6.917	91	7813m	0.155	ppbv	

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

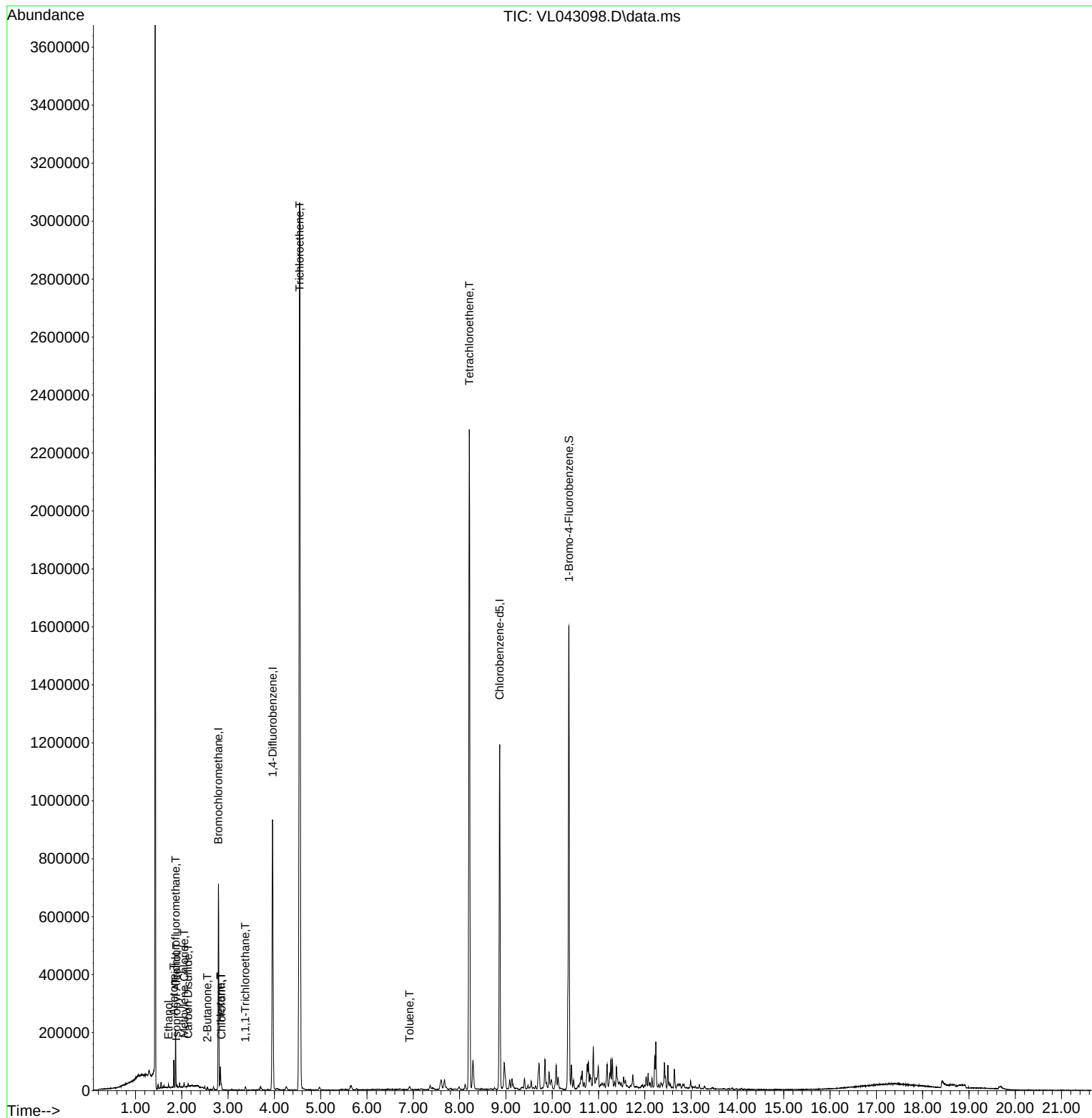
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043098.D
Acq On : 09 Oct 2025 21:14
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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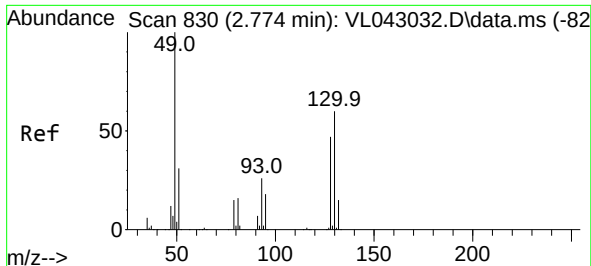
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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Supervised By :Mahesh Dadoda 10/10/2025

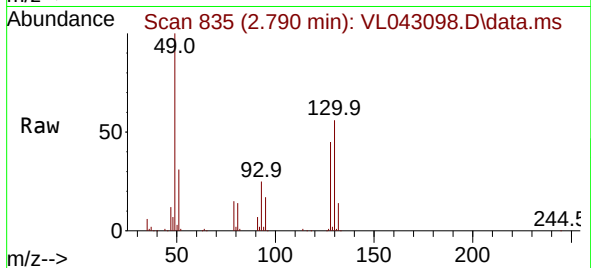
Quant Time: Oct 09 22:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

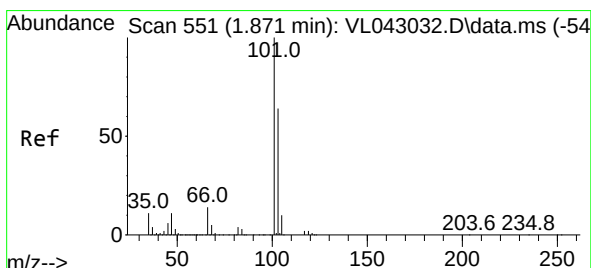
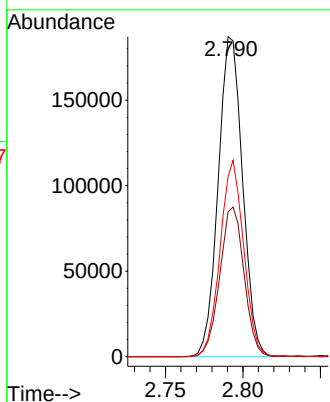
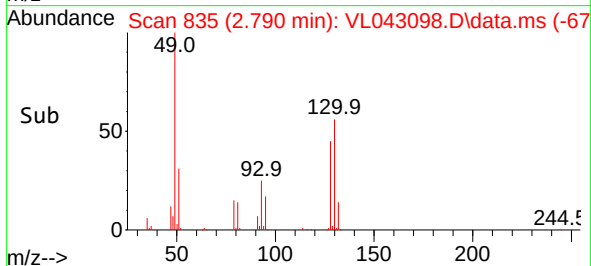
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 20498
Ion Ratio Lower Upper
49 100
128 46.6 24.1 72.2
130 59.4 31.4 94.3

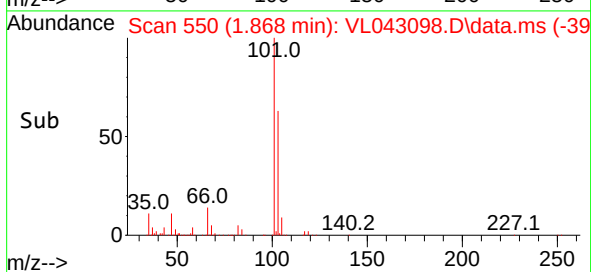
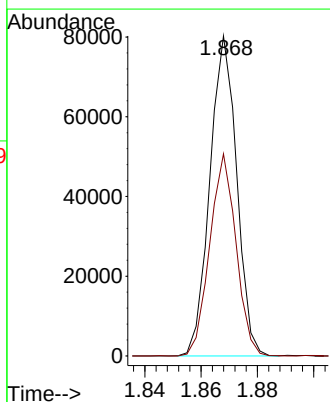
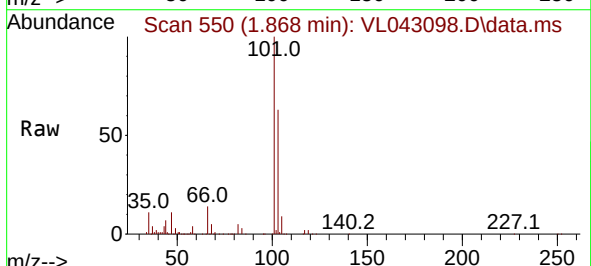
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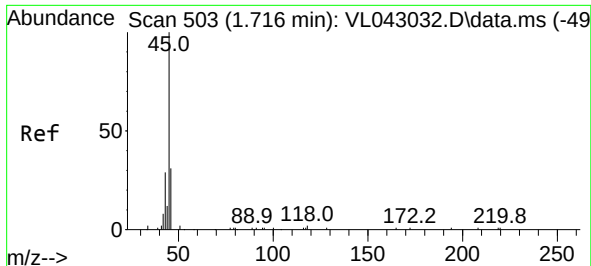
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 1.495 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.003 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

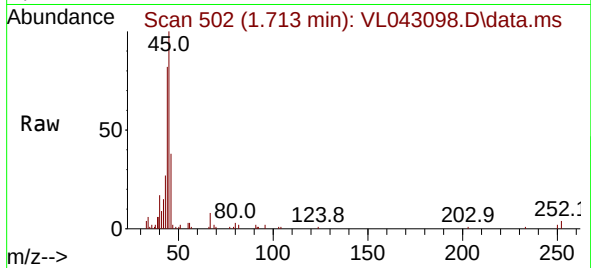
Tgt Ion:101 Resp: 53062
Ion Ratio Lower Upper
101 100
103 63.2 51.1 76.7





#13
Ethanol
Concen: 6.616 ppbv
RT: 1.713 min Scan# 503
Delta R.T. -0.003 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

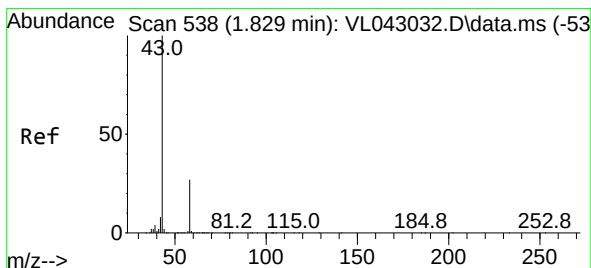
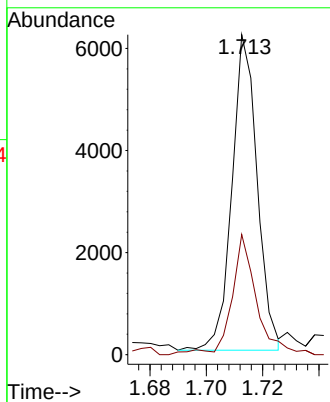
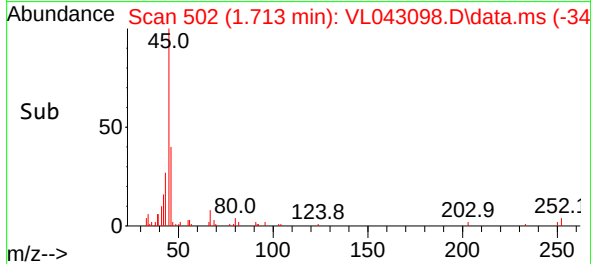
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 385
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

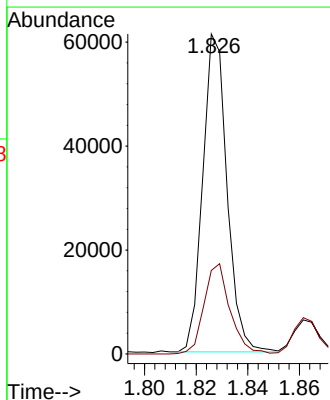
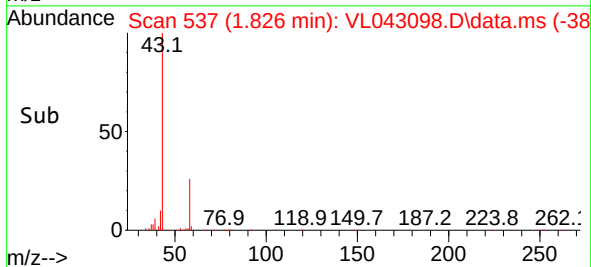
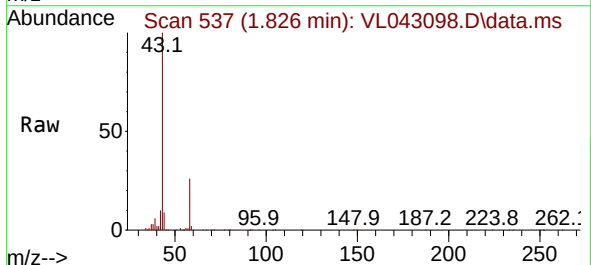
Manual Integrations
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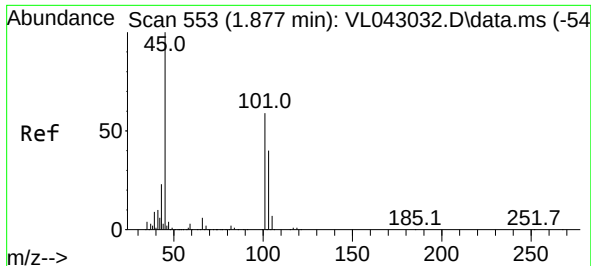
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#15
Acetone
Concen: 1.395 ppbv
RT: 1.826 min Scan# 537
Delta R.T. -0.003 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

Tgt Ion: 43 Resp: 40043
Ion Ratio Lower Upper
43 100
58 30.4 22.2 33.4





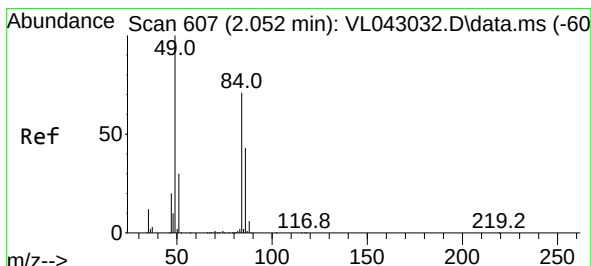
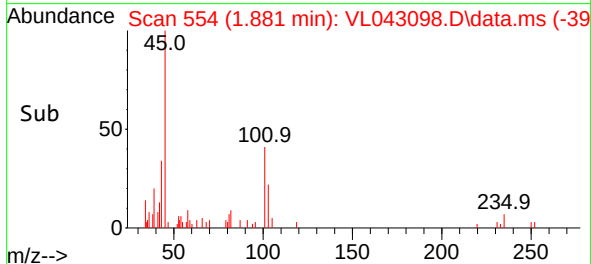
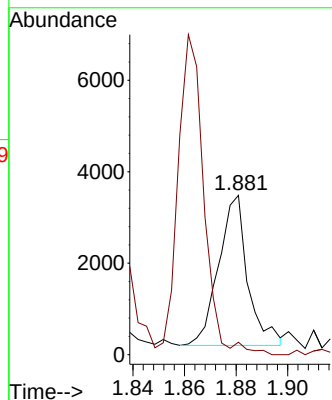
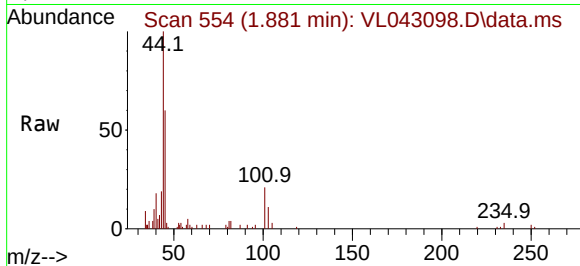
#19
Isopropyl Alcohol
Concen: 0.188 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 2579
Ion Ratio Lower Upper
45 100
58 186.2 42.3 63.5

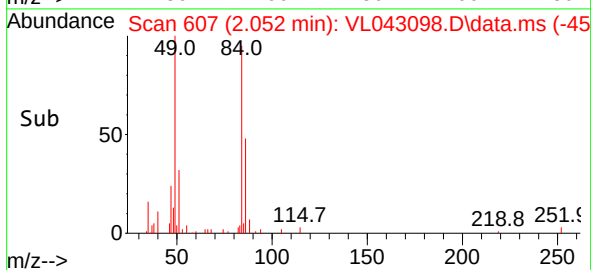
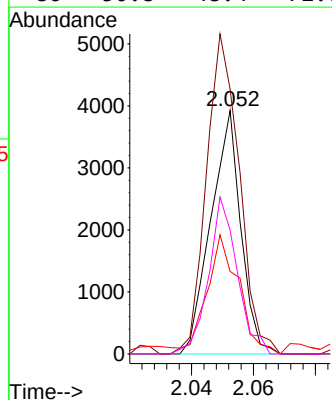
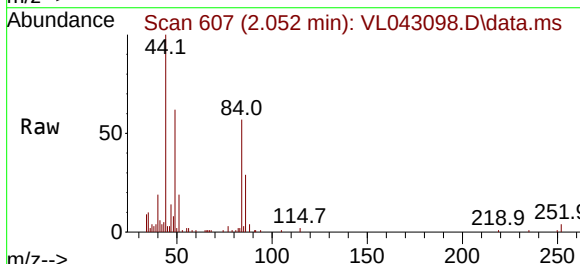
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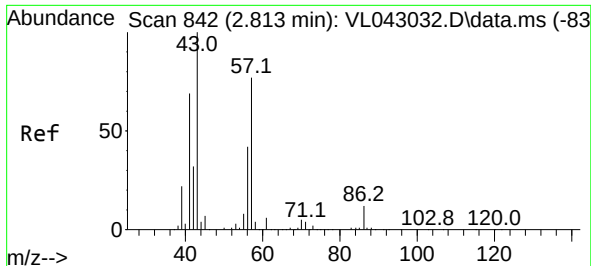
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.210 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

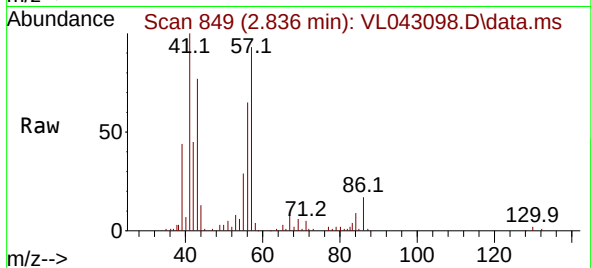
Tgt Ion: 84 Resp: 2635
Ion Ratio Lower Upper
84 100
49 108.7 112.5 168.7#
51 33.9 34.2 51.2#
86 50.8 48.4 72.6





#26
Hexane
Concen: 0.528 ppbv
RT: 2.836 min Scan# 842
Delta R.T. 0.023 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

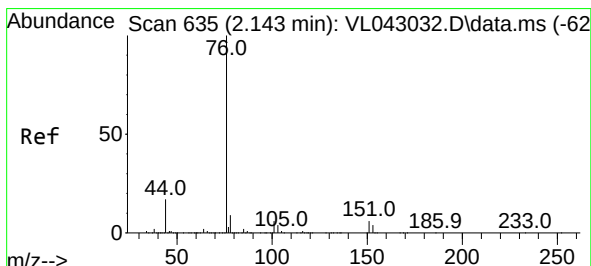
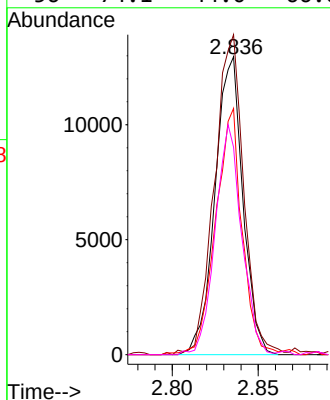
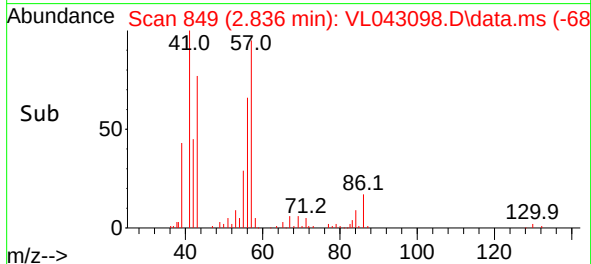
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 14629
Ion Ratio Lower Upper
57 100
41 114.4 76.1 114.1
43 79.3 201.4 302.0
56 74.1 44.0 66.0

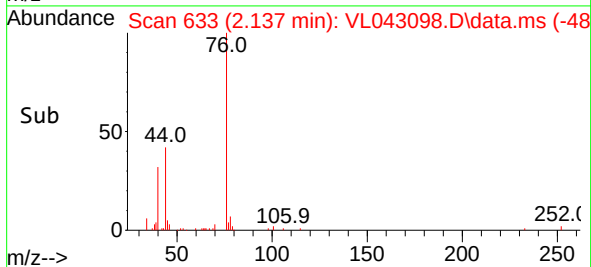
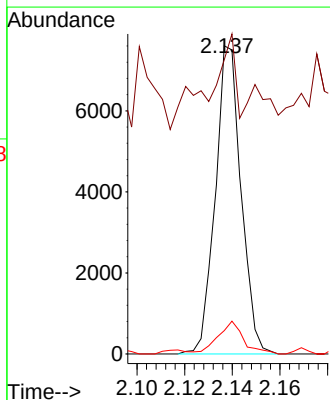
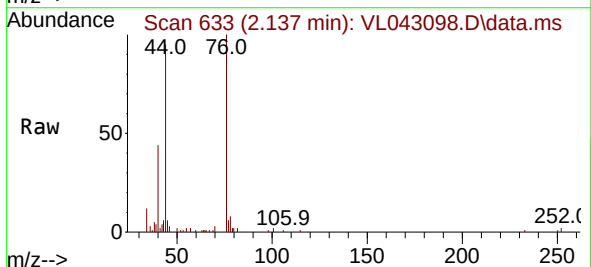
Manual Integrations
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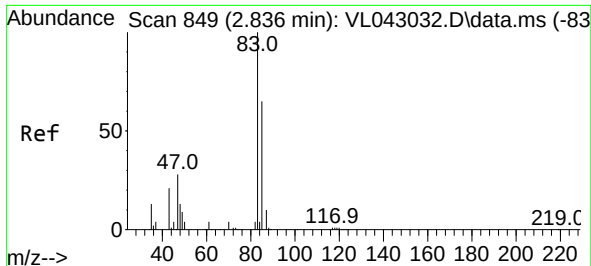
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#27
Carbon Disulfide
Concen: 0.175 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.006 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

Tgt Ion: 76 Resp: 5715
Ion Ratio Lower Upper
76 100
44 236.3 14.0 21.0
78 12.7 9.4 14.0





#29

Chloroform

Concen: 0.145 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.020 min

Lab File: VL043098.D

Acq: 09 Oct 2025 21:14

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 83 Resp: 686

Ion Ratio Lower Upper

83 100

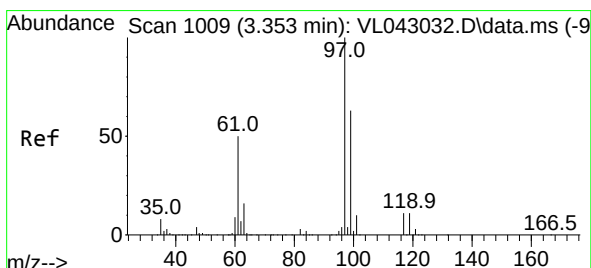
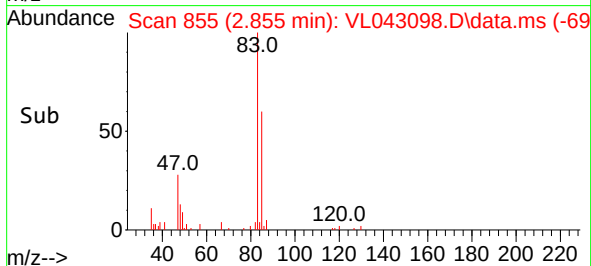
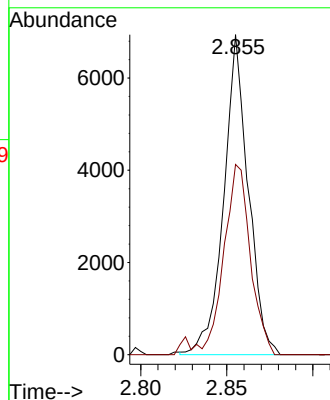
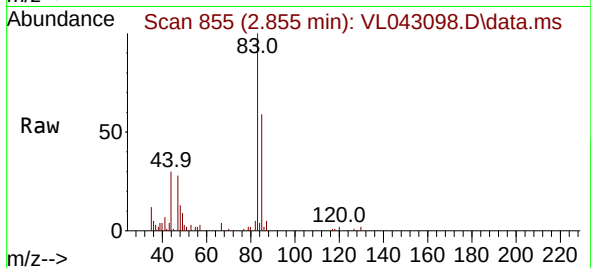
85 59.4 52.0 78.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 0.107 ppbv

RT: 3.373 min Scan# 1015

Delta R.T. 0.020 min

Lab File: VL043098.D

Acq: 09 Oct 2025 21:14

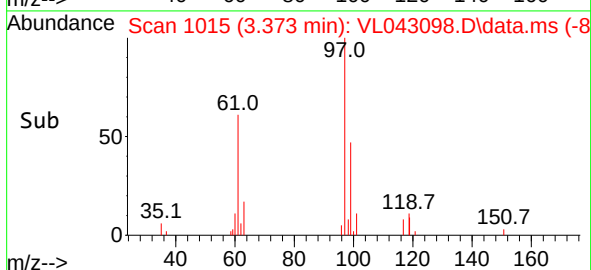
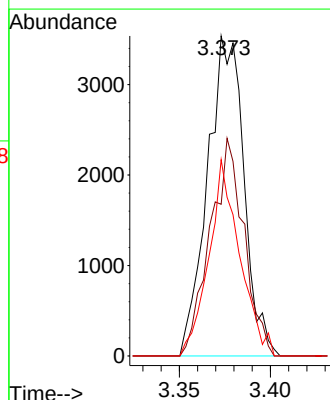
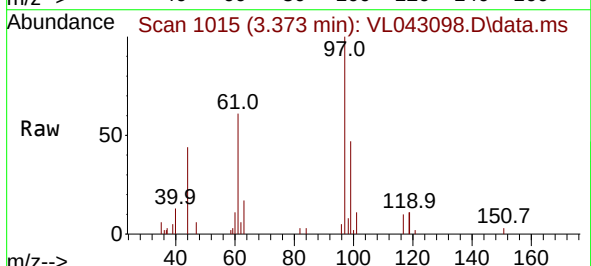
Tgt Ion: 97 Resp: 4915

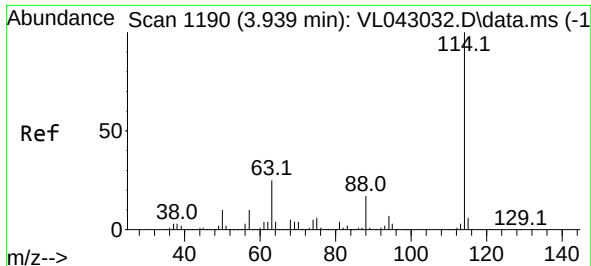
Ion Ratio Lower Upper

97 100

99 63.0 51.2 76.8

61 52.0 40.1 60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1190

Delta R.T. 0.023 min

Lab File: VL043098.D

Acq: 09 Oct 2025 21:14

Instrument :

MSVOA_L

ClientSampleId :

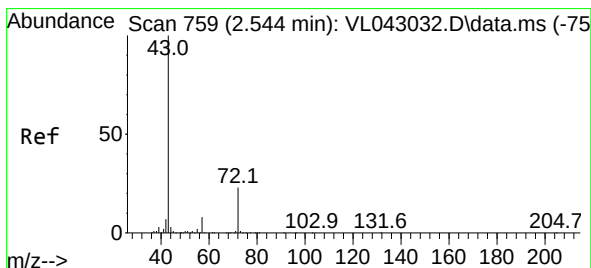
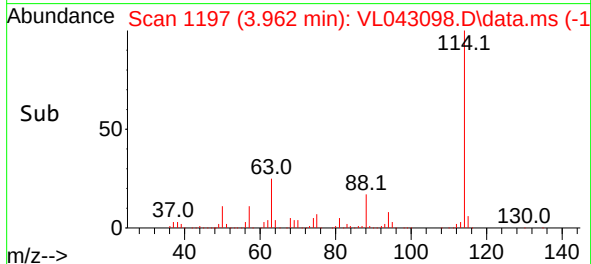
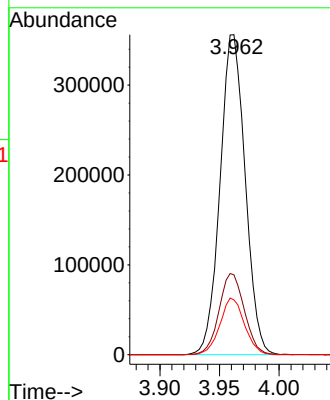
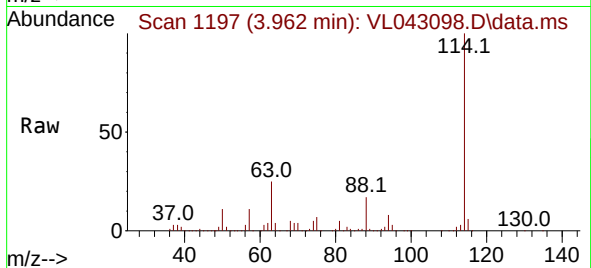
SV1DL

Tgt Ion:114	Resp: 52116
Ion Ratio	Lower Upper
114 100	
63 25.6	19.4 29.2
88 17.3	13.9 20.9

Manual Integrations

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Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.150 ppbv

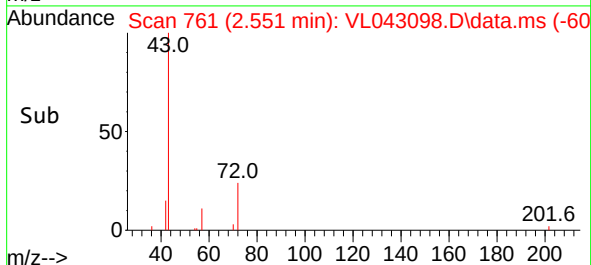
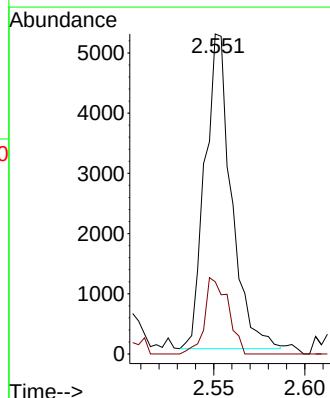
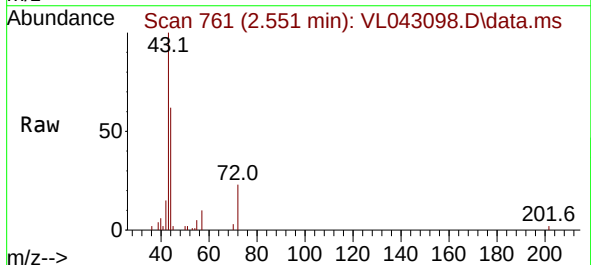
RT: 2.551 min Scan# 761

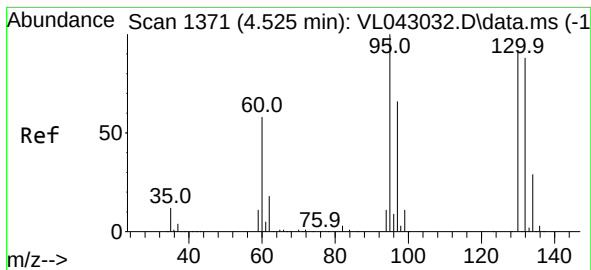
Delta R.T. 0.007 min

Lab File: VL043098.D

Acq: 09 Oct 2025 21:14

Tgt Ion: 43	Resp: 5295
Ion Ratio	Lower Upper
43 100	
72 21.5	18.4 27.6





#38

Trichloroethene

Concen: 41.447 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. 0.020 min

Lab File: VL043098.D

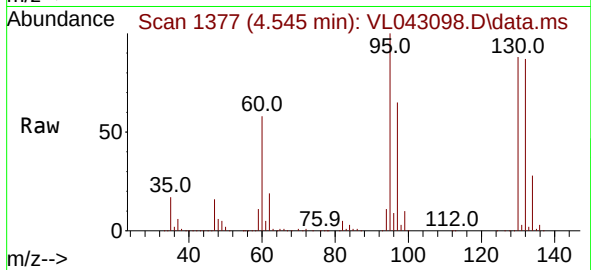
Acq: 09 Oct 2025 21:14

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion:130 Resp: 859704

Ion Ratio Lower Upper

130 100

95 114.2 86.4 129.6

132 99.2 75.7 113.5

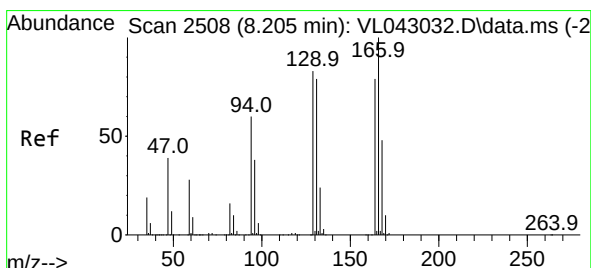
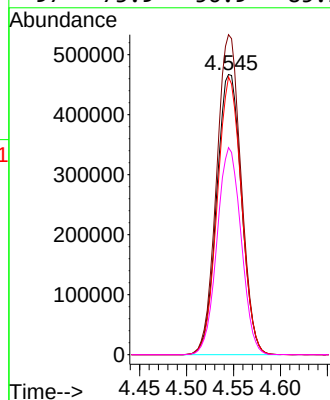
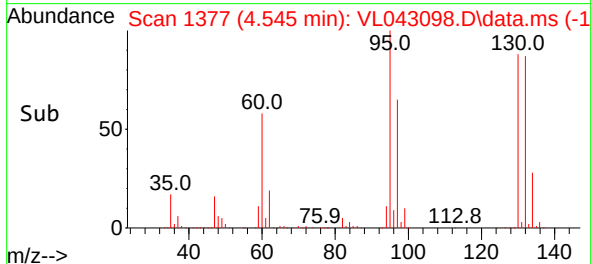
97 73.9 56.9 85.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Tetrachloroethene

Concen: 21.510 ppbv

RT: 8.209 min Scan# 2509

Delta R.T. 0.003 min

Lab File: VL043098.D

Acq: 09 Oct 2025 21:14

Tgt Ion:164 Resp: 396570

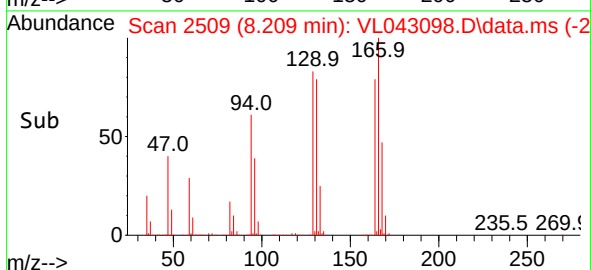
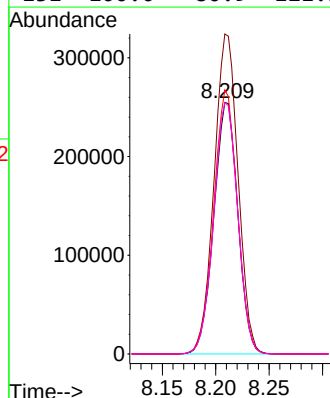
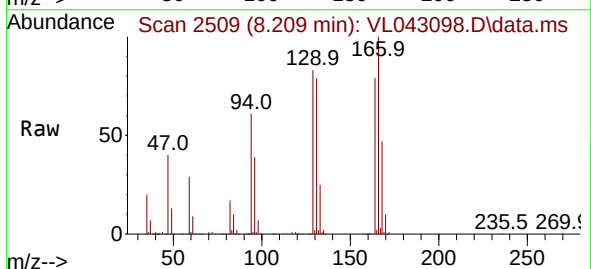
Ion Ratio Lower Upper

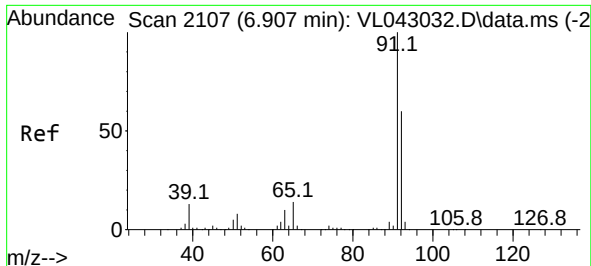
164 100

166 127.2 101.8 152.8

129 105.0 84.5 126.7

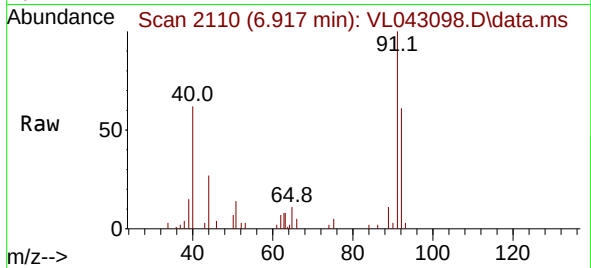
131 100.0 80.9 121.3





#53
Toluene
Concen: 0.155 ppbv m
RT: 6.917 min Scan# 2107
Delta R.T. 0.010 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

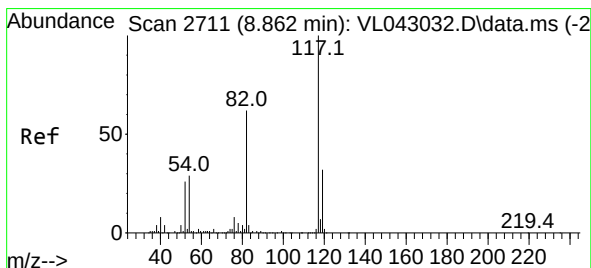
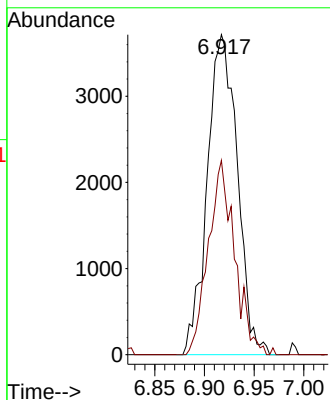
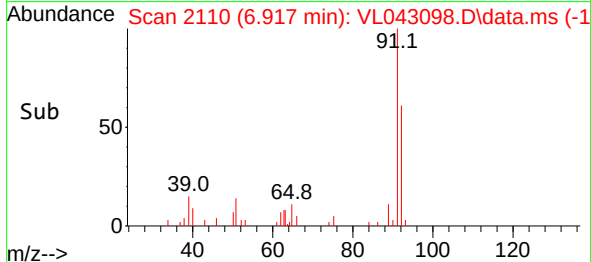
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 91 Resp: 781
Ion Ratio Lower Upper
91 100
92 53.2 47.8 71.6

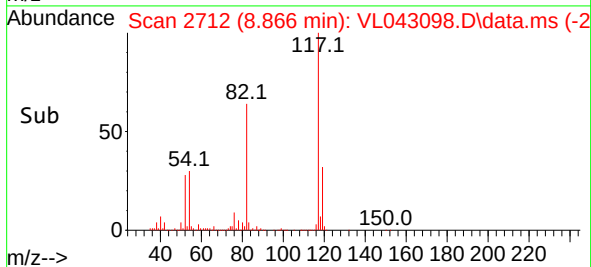
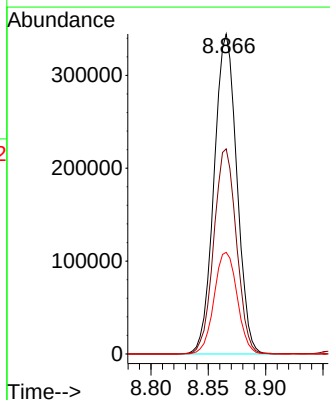
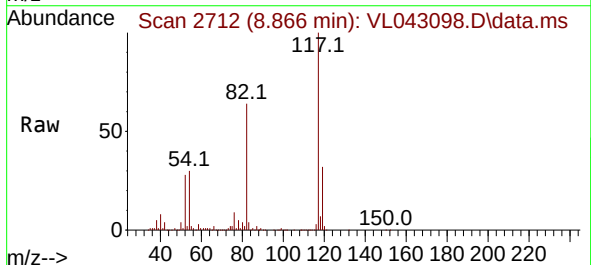
Manual Integrations
APPROVED

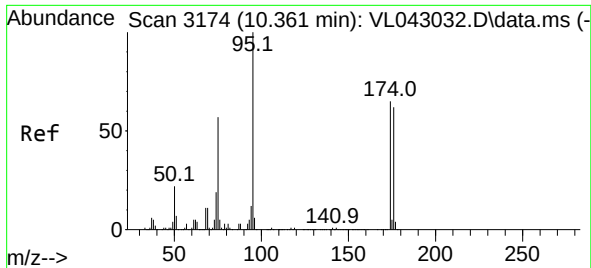
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 2712
Delta R.T. 0.003 min
Lab File: VL043098.D
Acq: 09 Oct 2025 21:14

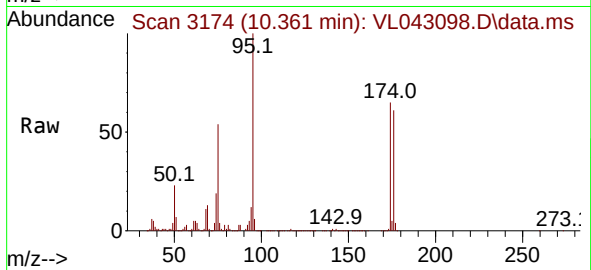
Tgt Ion:117 Resp: 475558
Ion Ratio Lower Upper
117 100
82 64.0 53.0 79.6
119 32.3 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.699 ppbv
 RT: 10.361 min Scan# 3174
 Delta R.T. 0.000 min
 Lab File: VL043098.D
 Acq: 09 Oct 2025 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 40078
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.3 78.5
 175 4.6 3.8 5.8

Manual Integrations
 APPROVED

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

