

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041872.D
 Acq On : 09 Jan 2025 18:37
 Operator : SY/MD
 Sample : Q1037-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:44:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	119153	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	358497	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	322381	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	262755	10.165	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7659	0.392	ppbv	99
3) Chlorodifluoromethane	1.479	51	5784m	0.269	ppbv	
4) Chloromethane	1.538	50	3460m	0.455	ppbv	
9) Propene	1.492	41	70203m	7.002	ppbv	
11) Trichlorofluoromethane	1.884	101	4882	0.243	ppbv	95
13) Ethanol	1.725	45	795184	1248.775	ppbv	87
15) Acetone	1.842	43	74735	3.719	ppbv	96
17) tert-Butyl alcohol	2.049	59	3585	0.157	ppbv #	72
19) Isopropyl Alcohol	1.894	45	23353	2.211	ppbv #	42
20) Methylene Chloride	2.068	84	2700	0.394	ppbv #	91
26) Hexane	2.835	57	10287	0.501	ppbv #	56
30) Cyclohexane	3.878	84	2540m	0.144	ppbv	
34) 2-Butanone	2.573	43	4652	0.156	ppbv	98
35) Carbon Tetrachloride	3.774	117	2003m	0.072	ppbv	
36) Benzene	3.674	78	9375	0.225	ppbv #	85
53) Toluene	6.959	91	14055m	0.284	ppbv	
59) m/p-Xylene	9.545	91	6719m	0.128	ppbv	

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

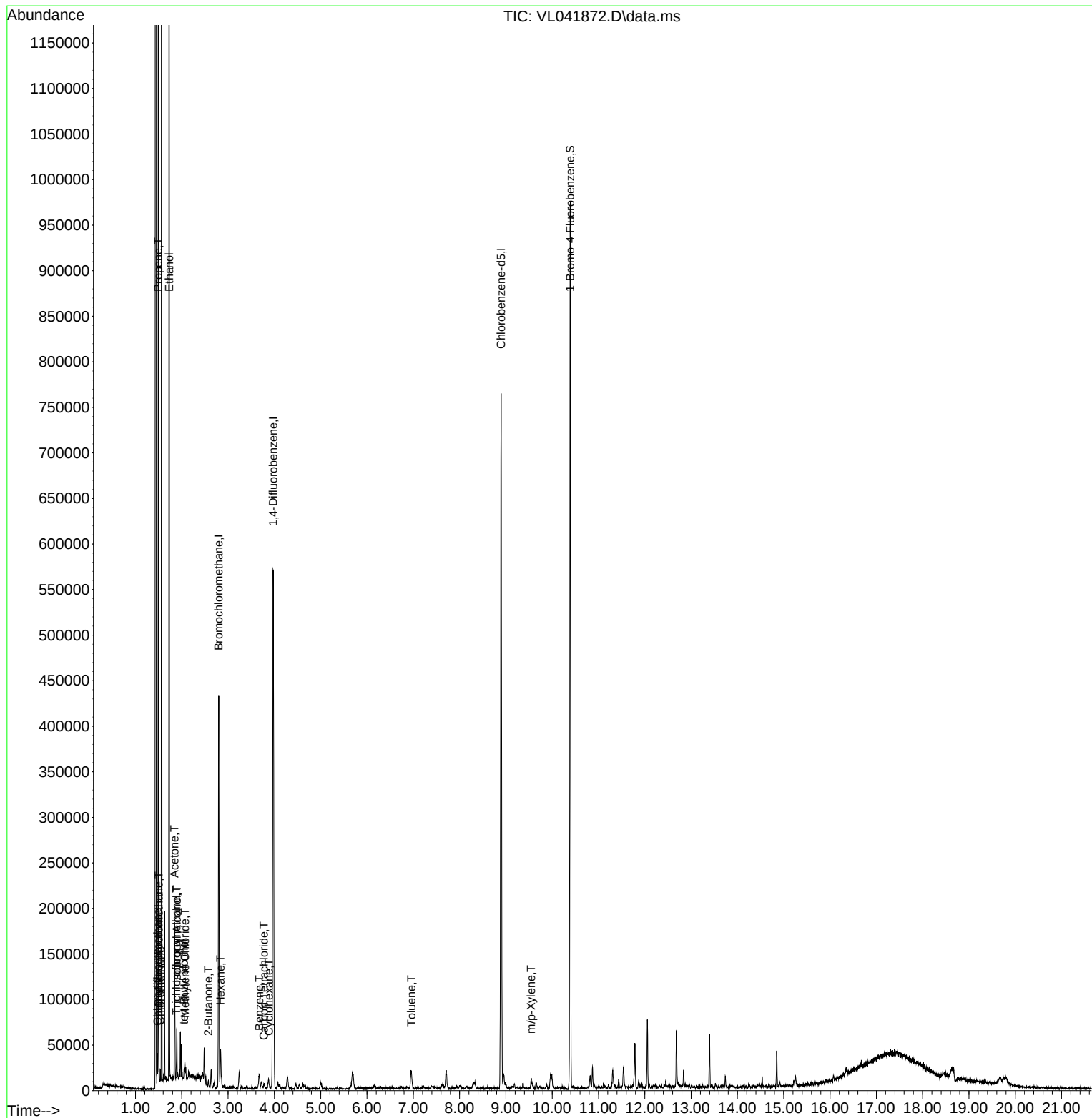
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041872.D
Acq On : 09 Jan 2025 18:37
Operator : SY/MD
Sample : Q1037-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

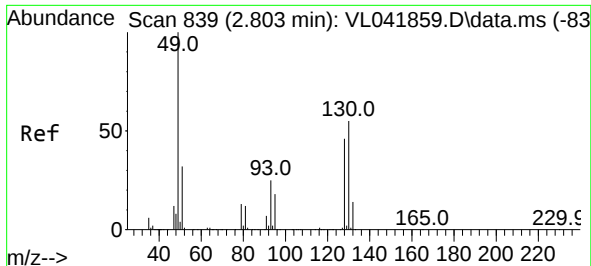
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

Quant Time: Jan 10 01:44:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

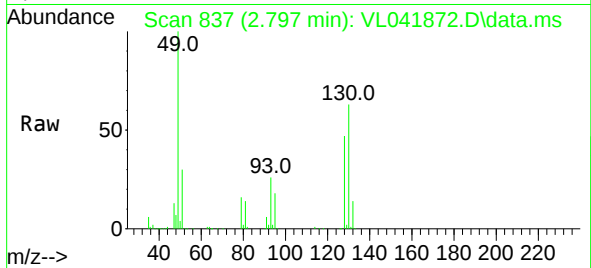
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

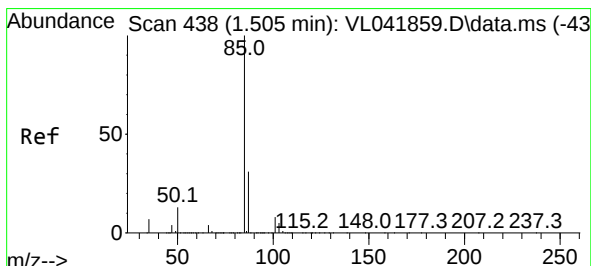
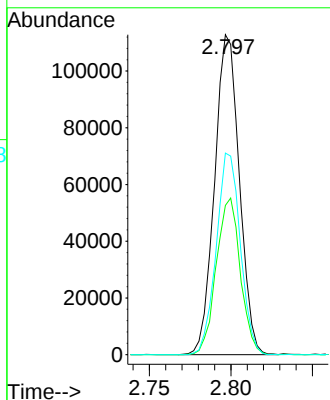
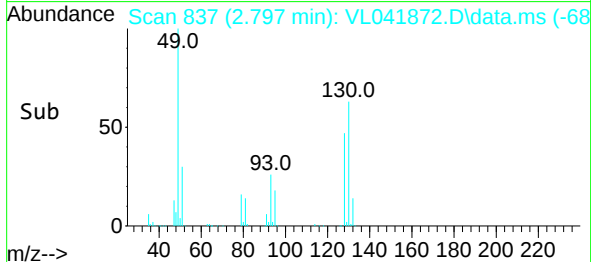
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



Tgt Ion: 49 Resp: 11915
Ion Ratio Lower Upper
49 100
128 47.7 23.2 69.5
130 61.2 29.9 89.8

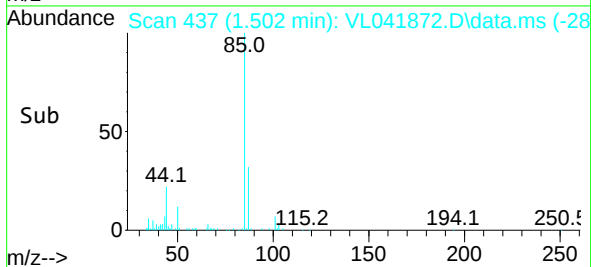
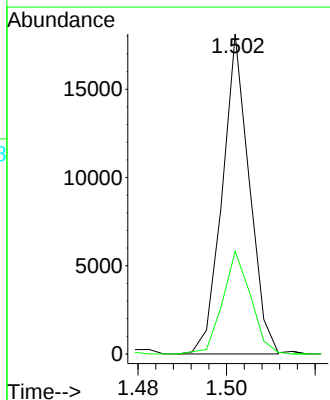
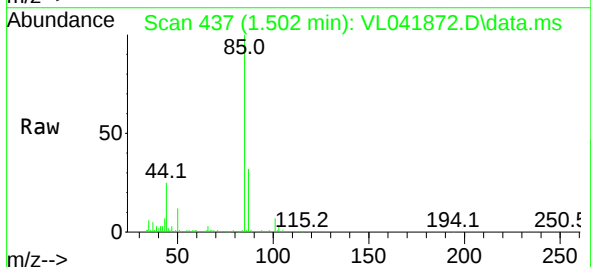
Manual Integrations
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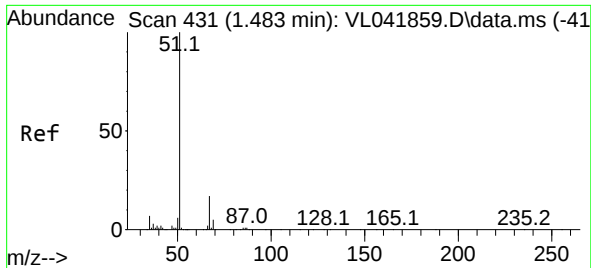
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.392 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 85 Resp: 7659
Ion Ratio Lower Upper
85 100
87 32.1 25.2 37.8





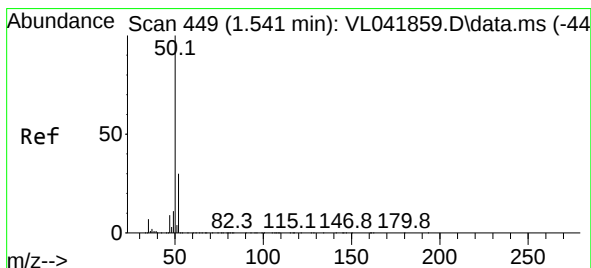
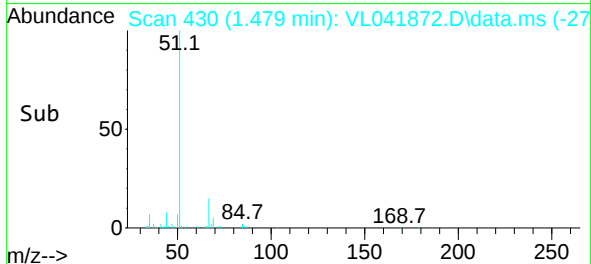
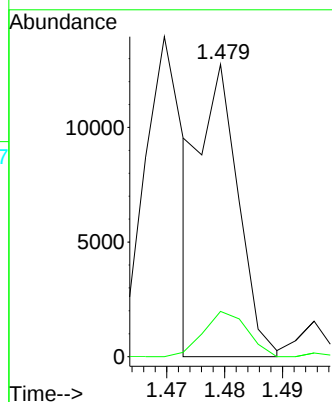
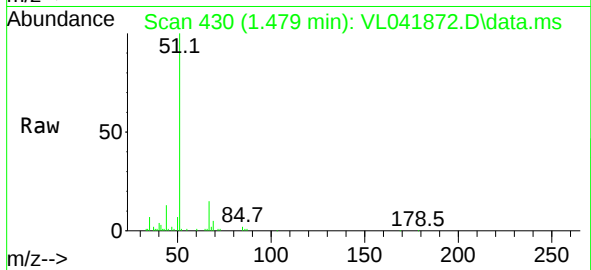
#3
Chlorodifluoromethane
Concen: 0.269 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Instrument :
MSVOA_L
ClientSampleId :
INDOOR

Tgt Ion: 51 Resp: 5784
Ion Ratio Lower Upper
51 100
67 19.8 13.8 20.8

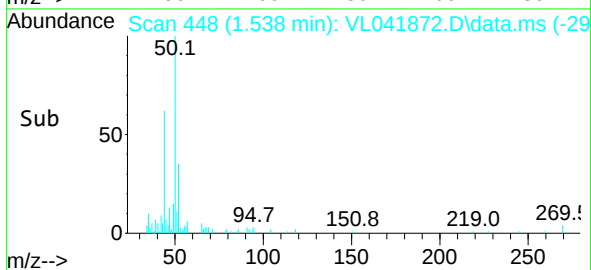
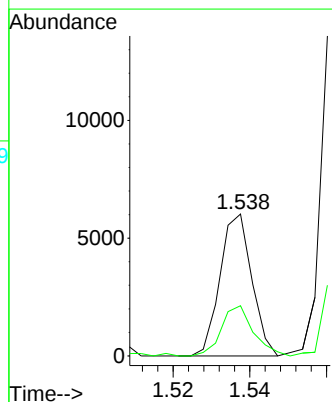
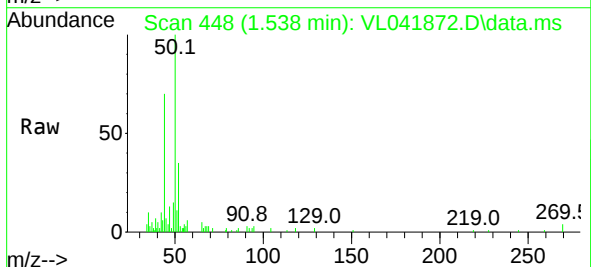
Manual Integrations
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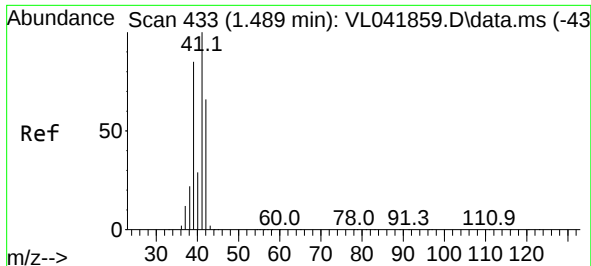
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 0.455 ppbv m
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 50 Resp: 3460
Ion Ratio Lower Upper
50 100
52 35.4 23.9 35.9





#9

Propene

Concen: 7.002 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

Tgt Ion: 41 Resp: 7020

Ion Ratio Lower Upper

41 100

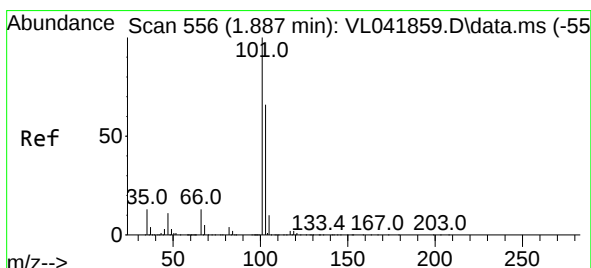
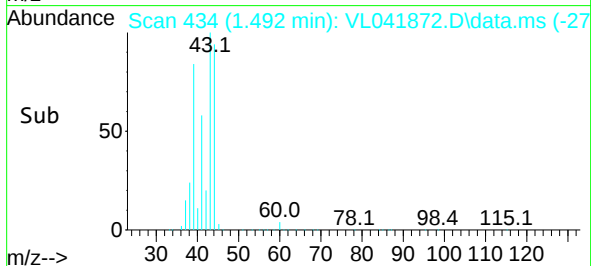
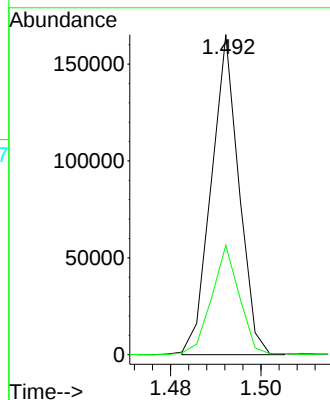
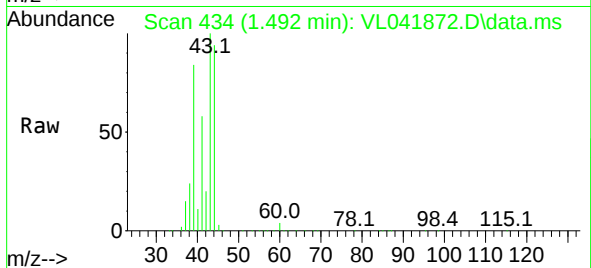
42 451.4 53.0 79.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#11

Trichlorofluoromethane

Concen: 0.243 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041872.D

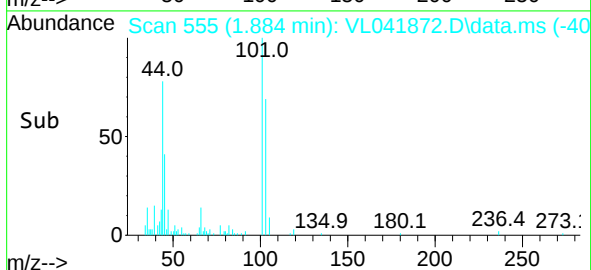
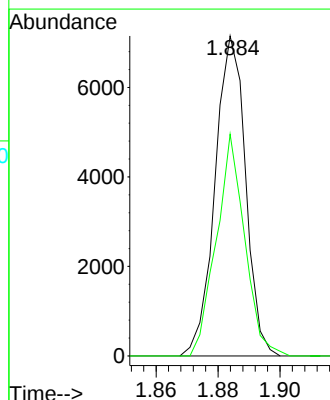
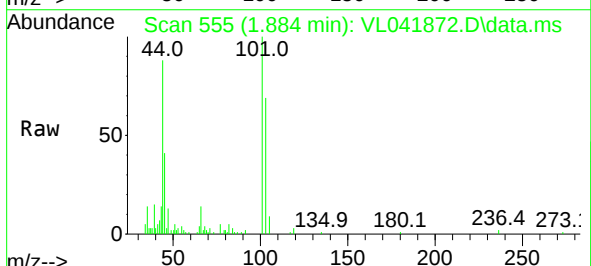
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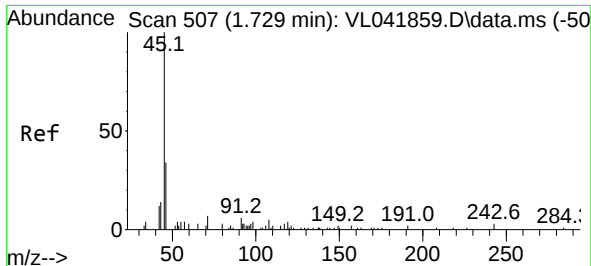
Tgt Ion:101 Resp: 4882

Ion Ratio Lower Upper

101 100

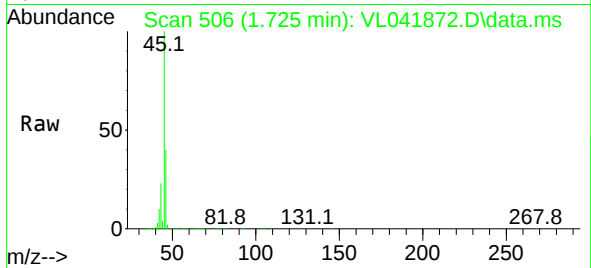
103 69.3 52.6 78.8





#13
Ethanol
Concen: 1248.775 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

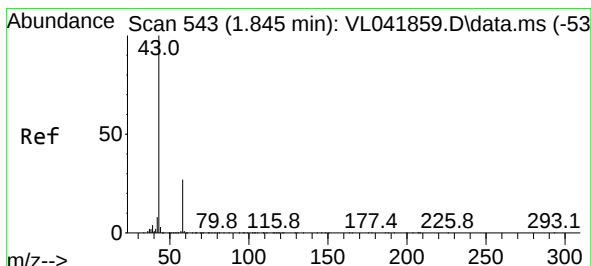
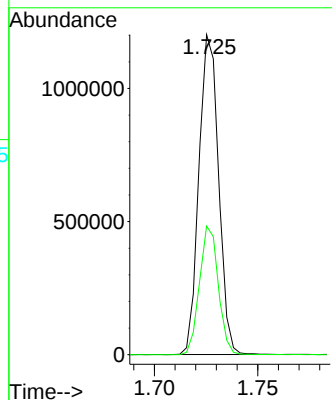
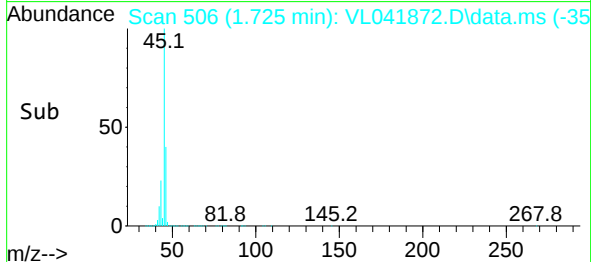
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



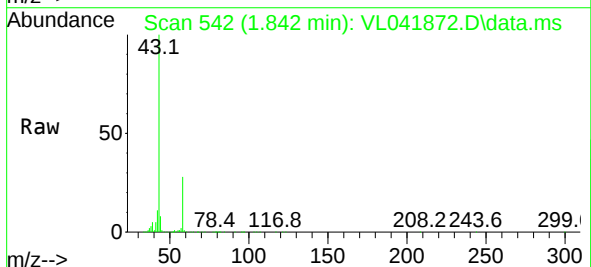
Tgt Ion: 45 Resp: 795184
Ion Ratio Lower Upper
45 100
46 38.6 19.0 76.0

Manual Integrations
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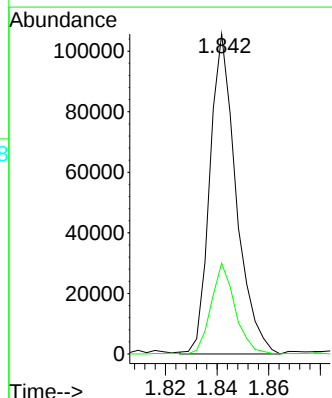
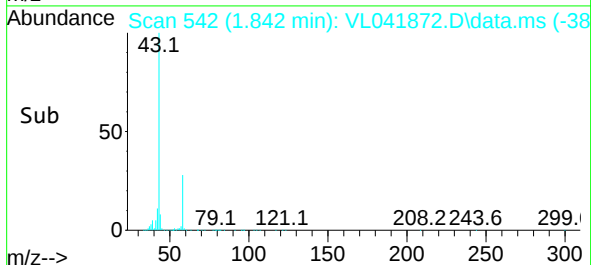
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

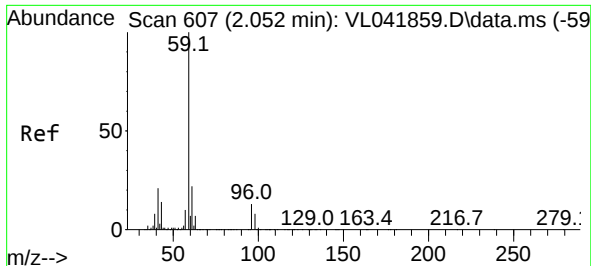


#15
Acetone
Concen: 3.719 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



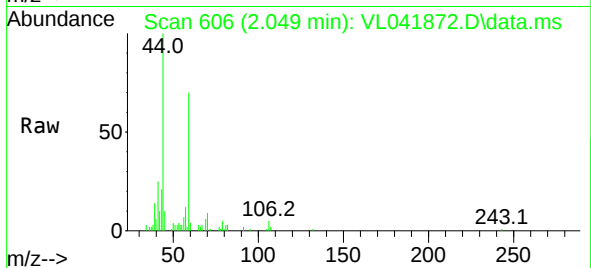
Tgt Ion: 43 Resp: 74735
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1





#17
tert-Butyl alcohol
Concen: 0.157 ppbv
RT: 2.049 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

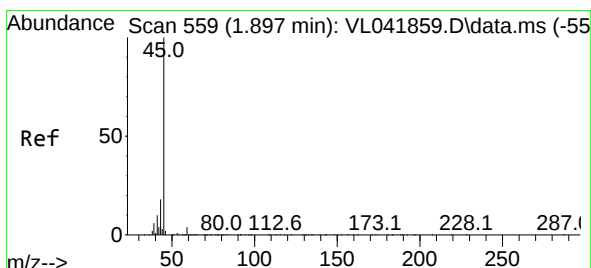
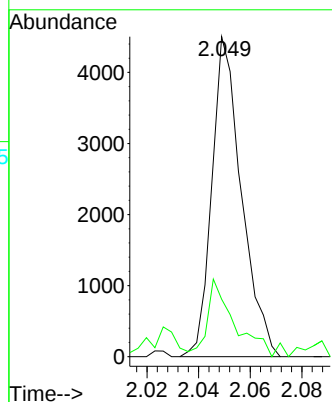
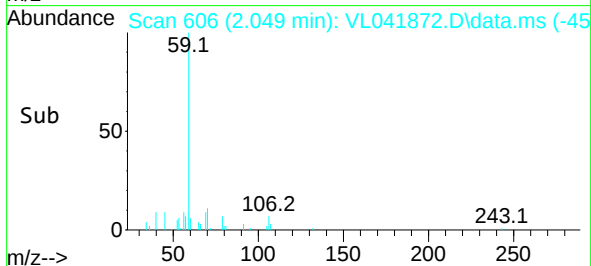
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



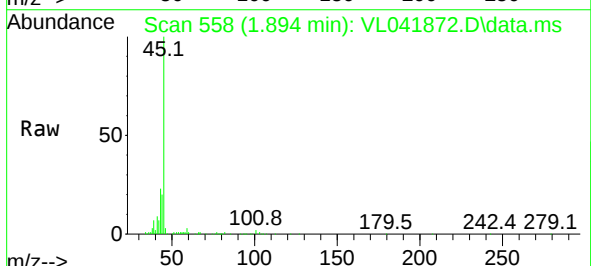
Tgt Ion: 59 Resp: 3589
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4

Manual Integrations
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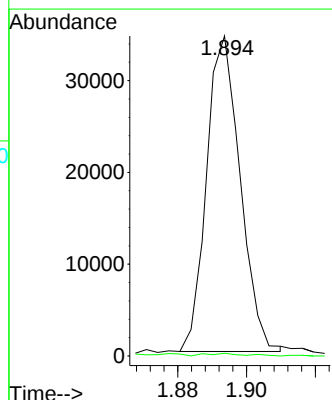
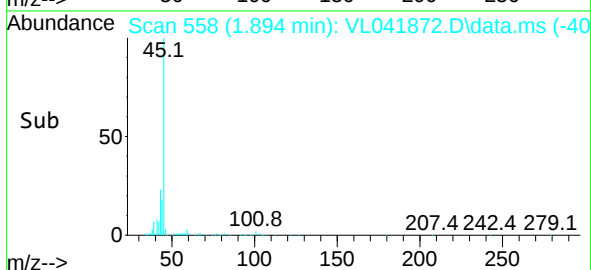
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

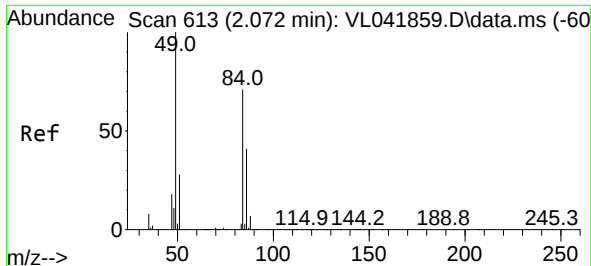


#19
Isopropyl Alcohol
Concen: 2.211 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



Tgt Ion: 45 Resp: 23353
Ion Ratio Lower Upper
45 100
58 84.9 37.0 55.6





#20

Methylene Chloride

Concen: 0.394 ppbv

RT: 2.068 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

Tgt Ion: 84 Resp: 2700

Ion Ratio Lower Upper

84 100

49 140.4 113.8 170.8

51 50.1 33.5 50.3

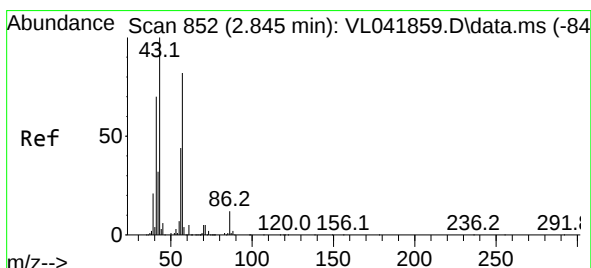
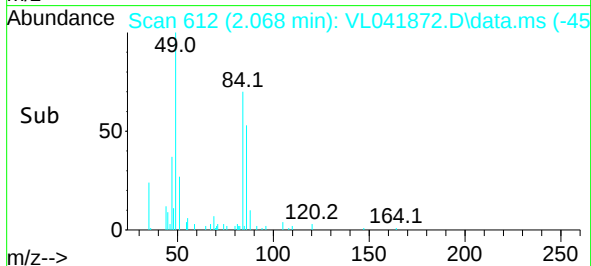
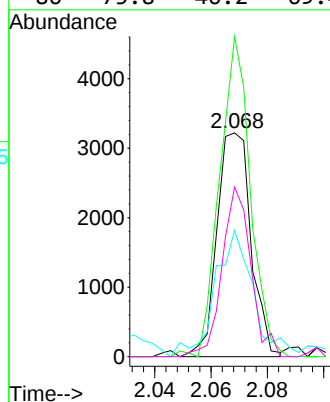
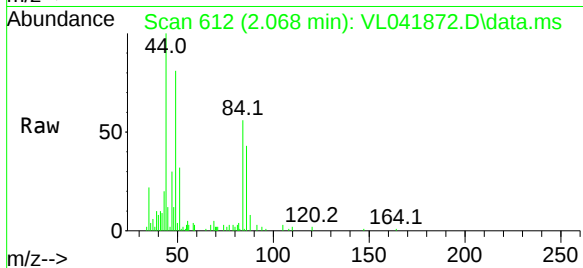
86 75.8 46.2 69.4#

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#26

Hexane

Concen: 0.501 ppbv

RT: 2.835 min Scan# 849

Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Tgt Ion: 57 Resp: 10287

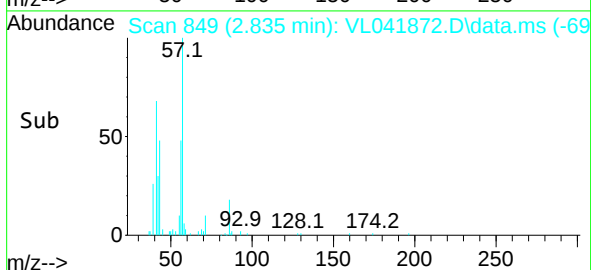
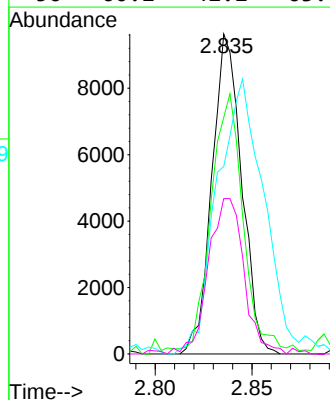
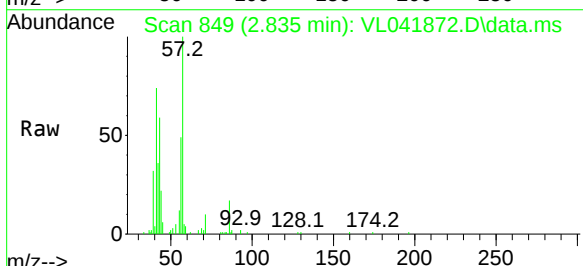
Ion Ratio Lower Upper

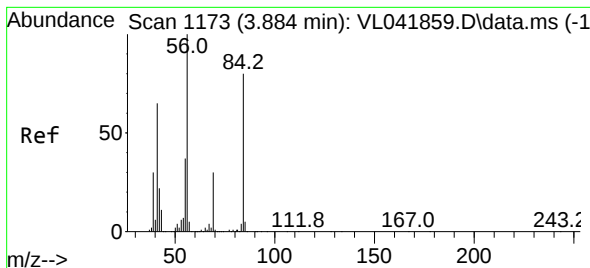
57 100

41 90.9 71.5 107.3

43 135.4 200.2 300.4#

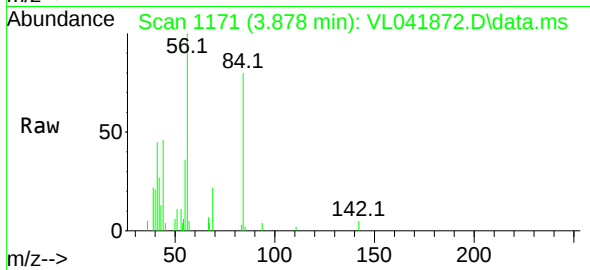
56 60.2 42.2 63.4





#30
Cyclohexane
Concen: 0.144 ppbv m
RT: 3.878 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

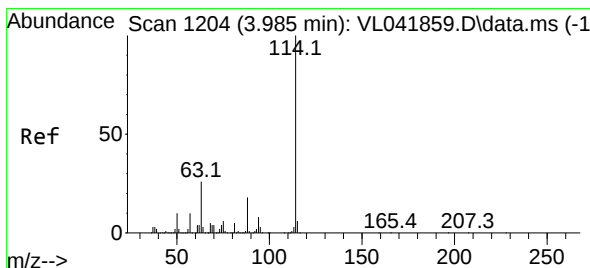
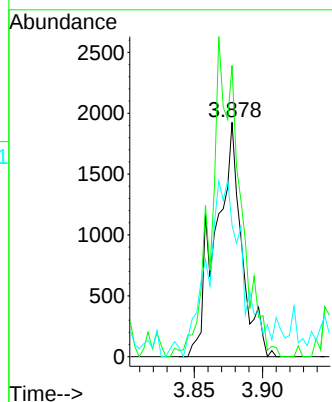
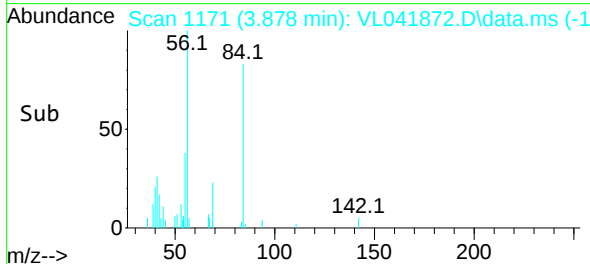
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



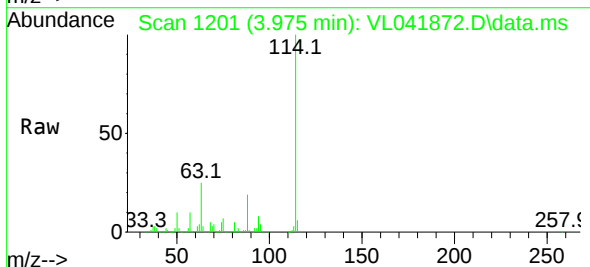
Tgt Ion: 84 Resp: 2540
Ion Ratio Lower Upper
84 100
56 148.9 100.7 151.1
41 123.5 62.8 94.2

Manual Integrations
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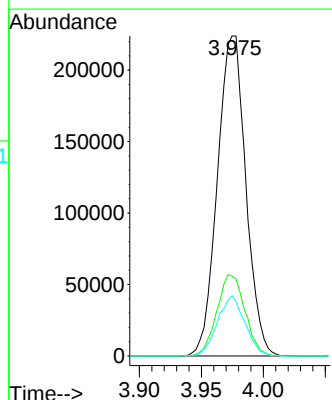
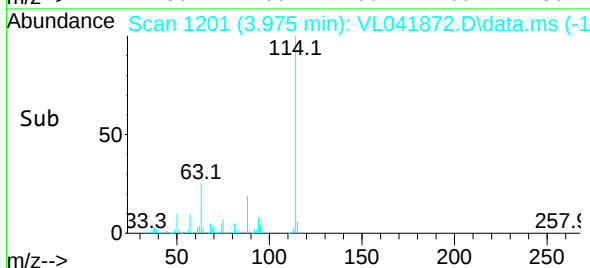
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

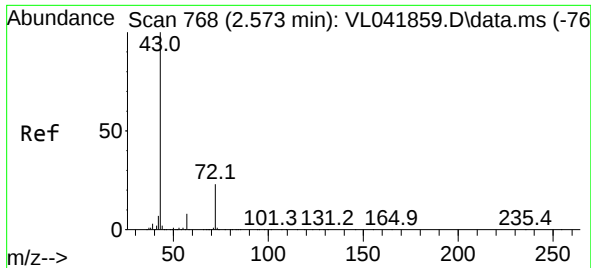


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



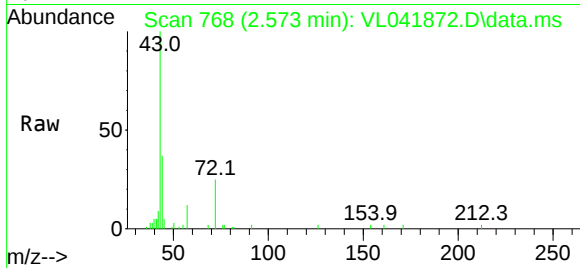
Tgt Ion:114 Resp: 358497
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.1 14.6 21.8





#34
2-Butanone
Concen: 0.156 ppbv
RT: 2.573 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

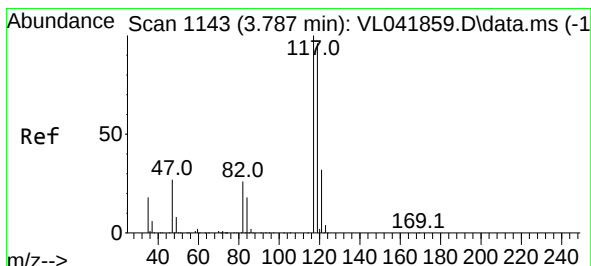
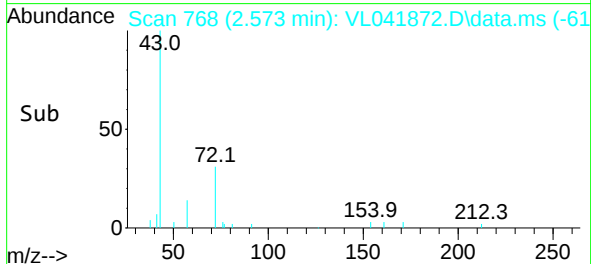
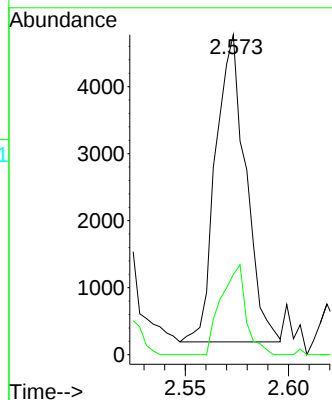
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



Tgt Ion: 43 Resp: 4652
Ion Ratio Lower Upper
43 100
72 24.2 18.5 27.7

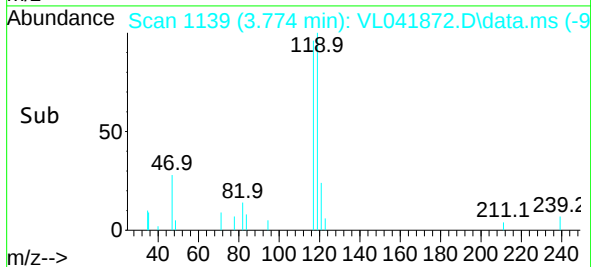
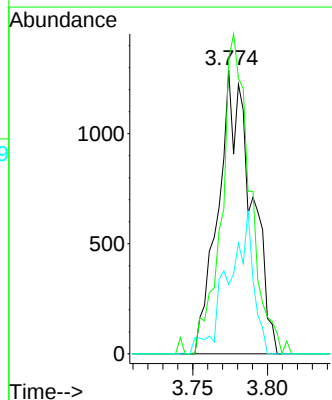
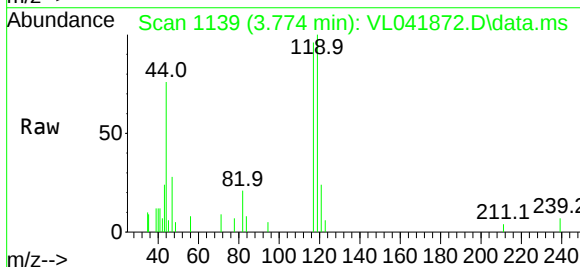
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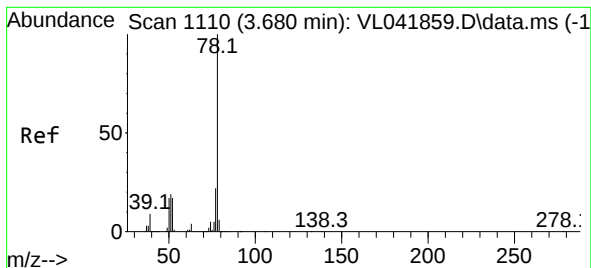
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:117 Resp: 2003
Ion Ratio Lower Upper
117 100
119 103.8 76.9 115.3
121 24.5 25.9 38.9#





#36

Benzene

Concen: 0.225 ppbv

RT: 3.674 min Scan# 1110

Delta R.T. -0.007 min

Lab File: VL041872.D

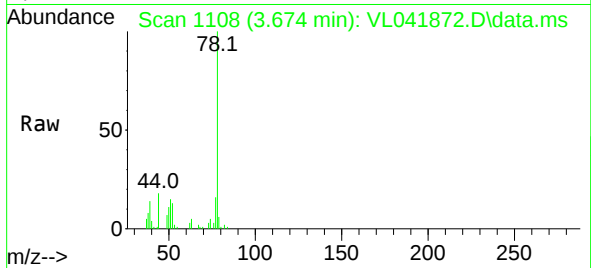
Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

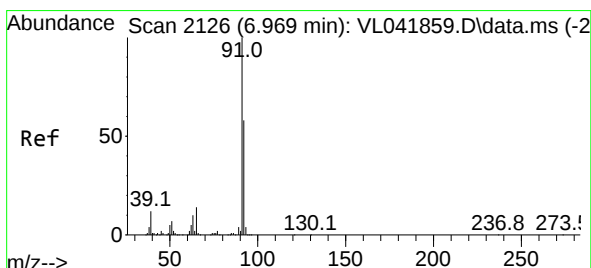
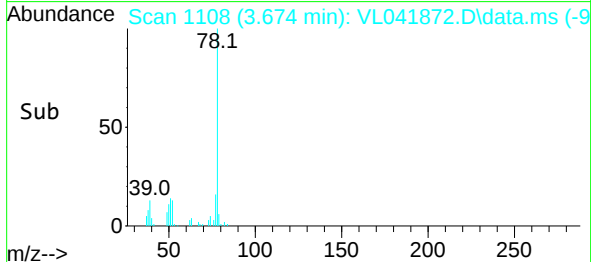
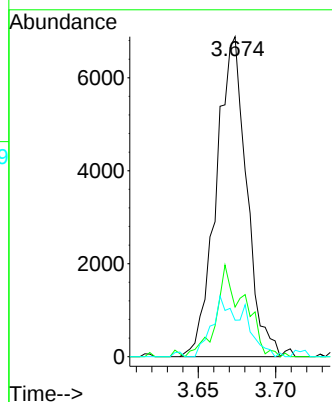


Tgt Ion: 78	Resp: 937
Ion Ratio	Lower Upper
78	100
77	15.5 17.9 26.9
50	10.3 13.7 20.5

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#53

Toluene

Concen: 0.284 ppbv m

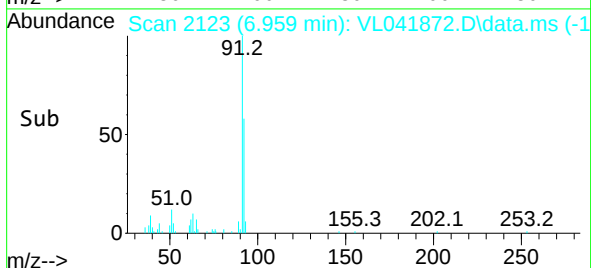
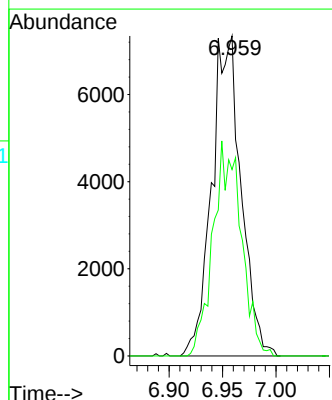
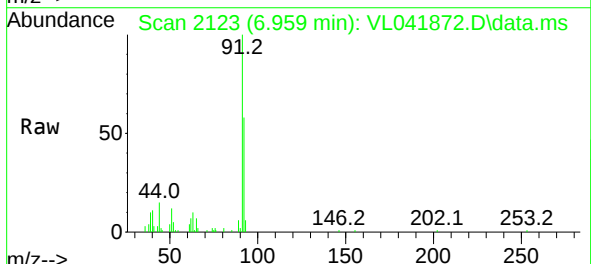
RT: 6.959 min Scan# 2123

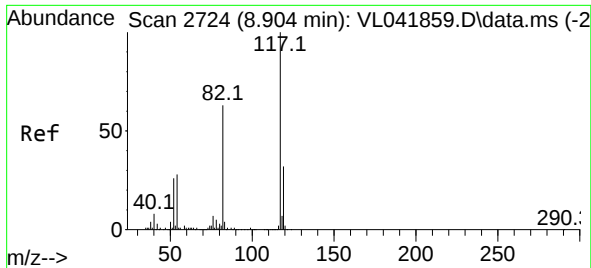
Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

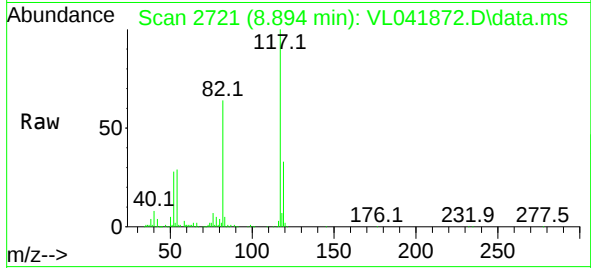
Tgt Ion: 91	Resp: 14055
Ion Ratio	Lower Upper
91	100
92	64.3 47.2 70.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

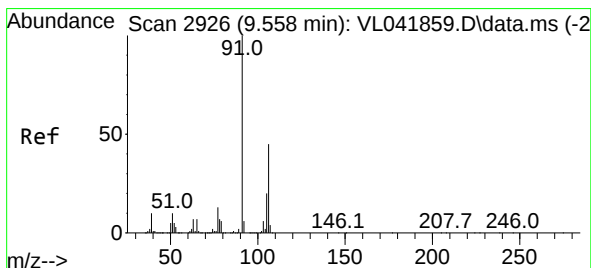
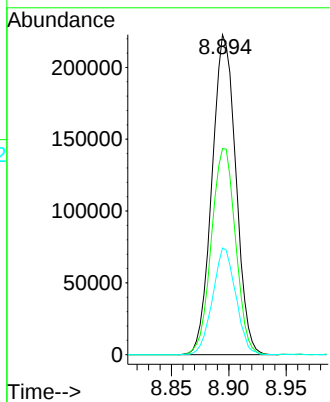
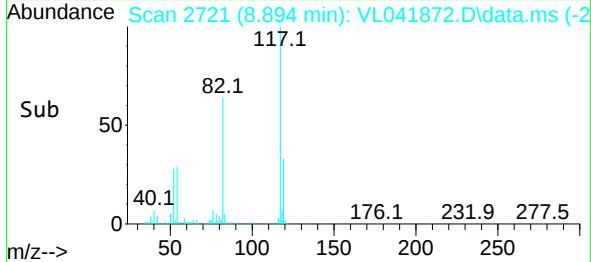
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



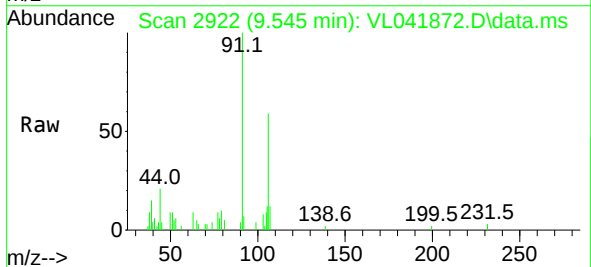
Tgt Ion:117 Resp: 32238
Ion Ratio Lower Upper
117 100
82 65.1 54.5 81.7
119 32.5 24.6 37.0

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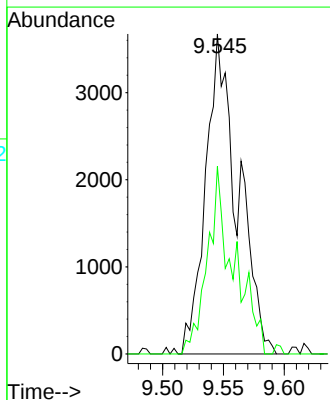
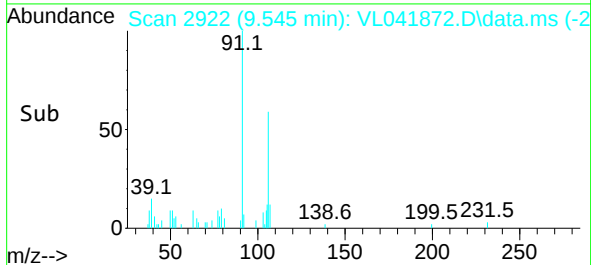
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

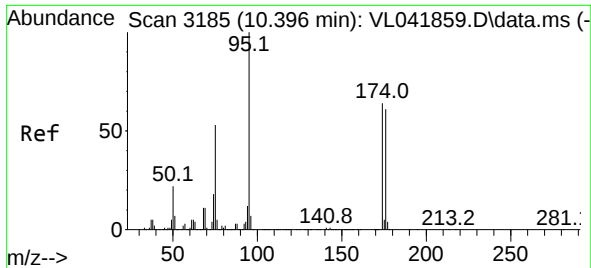


#59
m/p-Xylene
Concen: 0.128 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



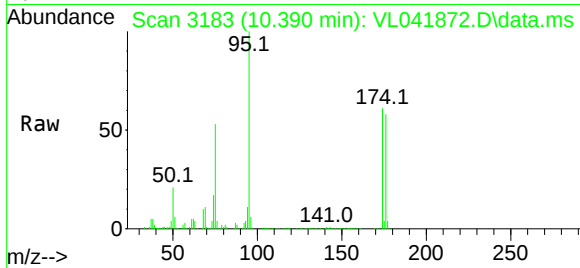
Tgt Ion: 91 Resp: 6719
Ion Ratio Lower Upper
91 100
106 48.8 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.165 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.007 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR



Tgt Ion: 95 Resp: 262758
 Ion Ratio Lower Upper
 95 100
 174 61.4 51.1 76.7
 175 5.0 3.8 5.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

