

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042272.D
 Acq On : 08 Apr 2025 20:30
 Operator : SY/MD
 Sample : Q1728-07 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-1-04012025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025

Quant Time: Apr 09 02:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	160928	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.975	114	398547	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	347731	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	274979	9.629	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	2800	0.118	ppbv	89
3) Chlorodifluoromethane	1.476	51	2506m	0.103	ppbv	
13) Ethanol	1.729	45	3033m	2.884	ppbv	
15) Acetone	1.842	43	20683	0.919	ppbv	94
20) Methylene Chloride	2.068	84	3032	0.362	ppbv #	87
26) Hexane	2.835	57	3283	0.146	ppbv #	41
29) Chloroform	2.861	83	9086	0.275	ppbv #	84
34) 2-Butanone	2.573	43	2976m	0.103	ppbv	
53) Toluene	6.956	91	36094	0.771	ppbv	100
59) m/p-Xylene	9.542	91	13334	0.270	ppbv	96
60) o-Xylene	9.972	91	5213m	0.105	ppbv	

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

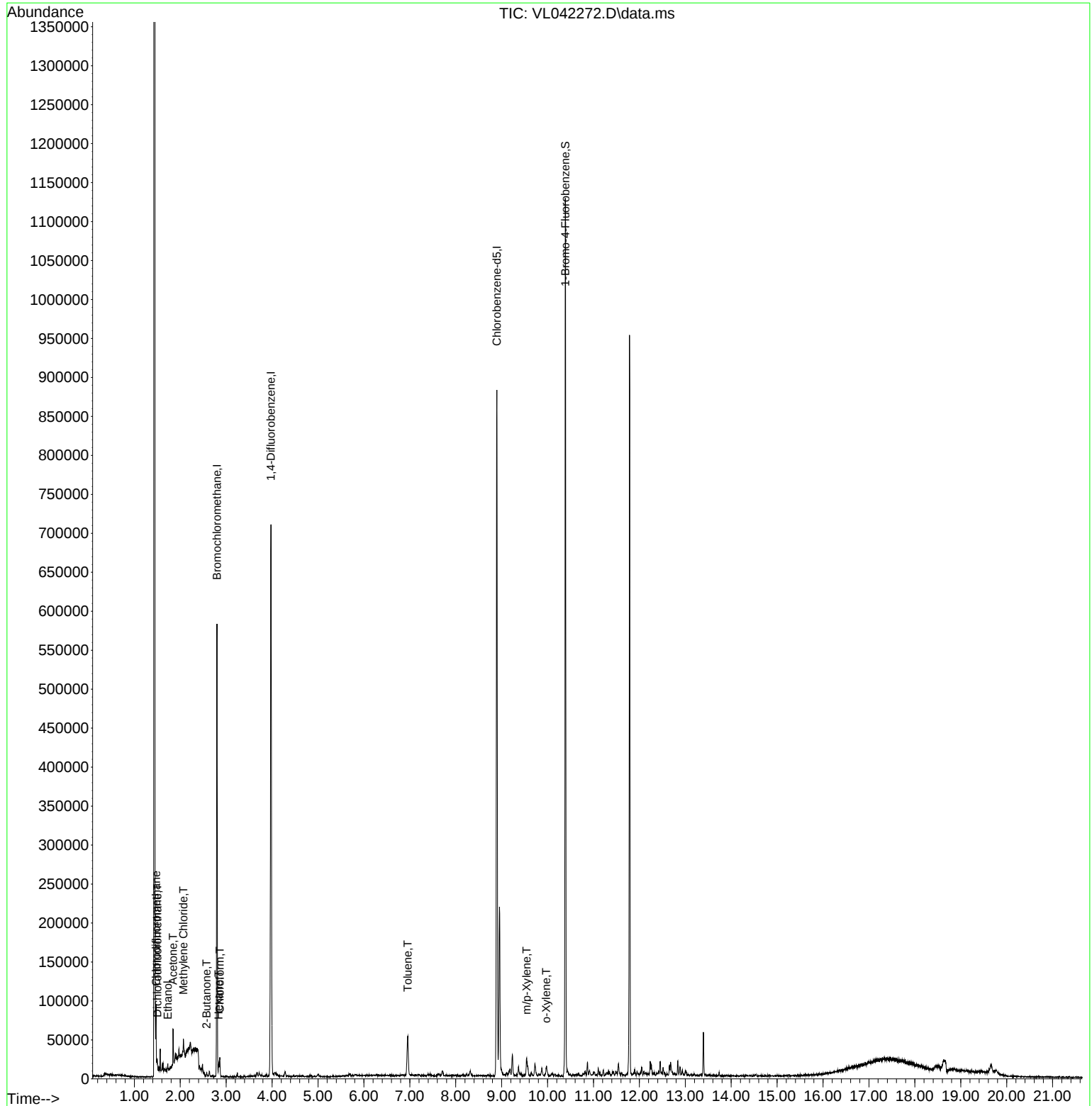
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042272.D
Acq On : 08 Apr 2025 20:30
Operator : SY/MD
Sample : Q1728-07 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

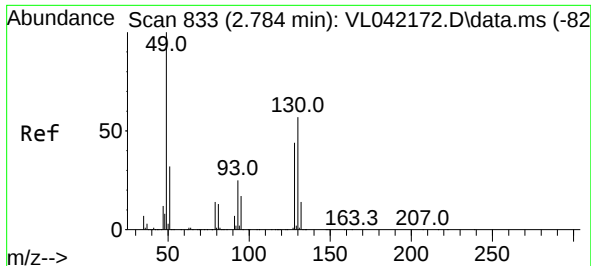
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-1-04012025

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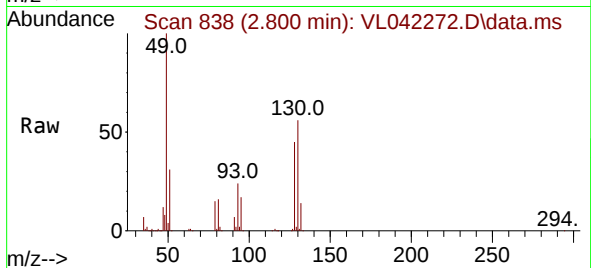
Quant Time: Apr 09 02:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

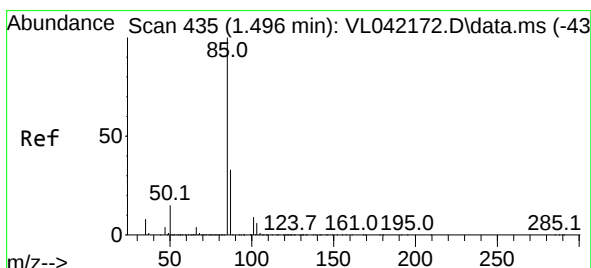
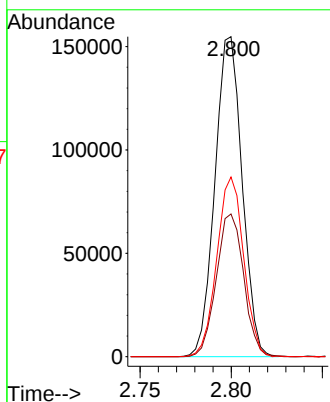
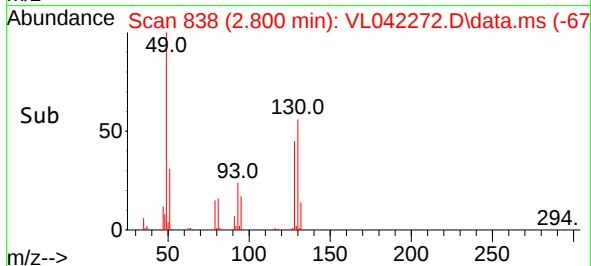
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-1-04012025



Tgt Ion: 49 Resp: 160928
Ion Ratio Lower Upper
49 100
128 44.8 22.9 68.5
130 55.4 28.8 86.4

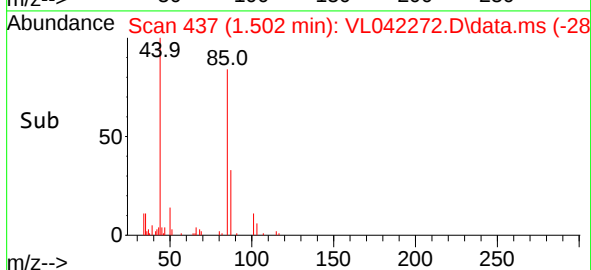
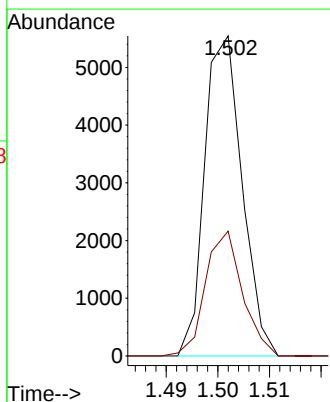
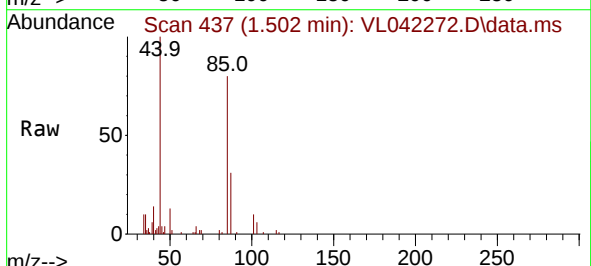
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Supervised By :Semsettin Yesilyurt 04/10/2025



#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

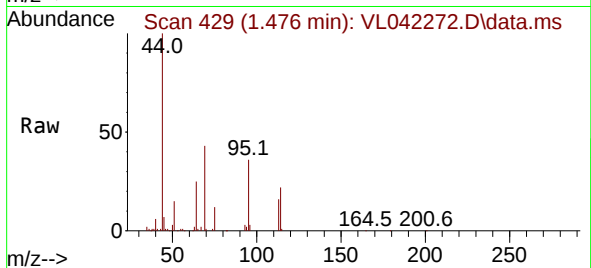
Tgt Ion: 85 Resp: 2800
Ion Ratio Lower Upper
85 100
87 39.0 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.103 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

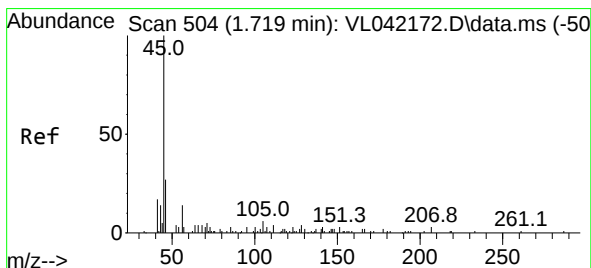
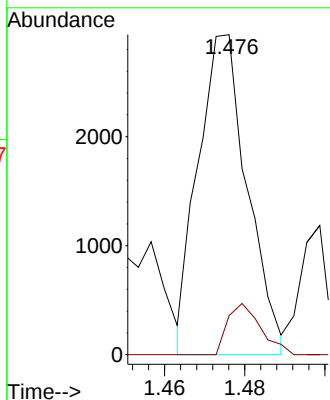
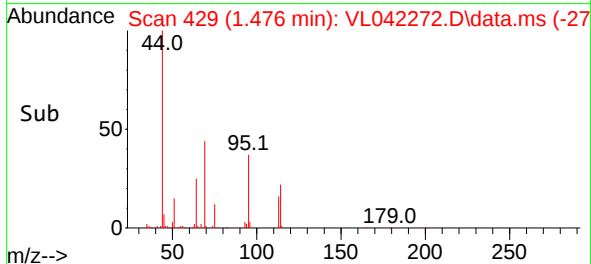
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-1-04012025



Tgt Ion: 51 Resp: 2500
Ion Ratio Lower Upper
51 100
67 4.2 15.0 22.6

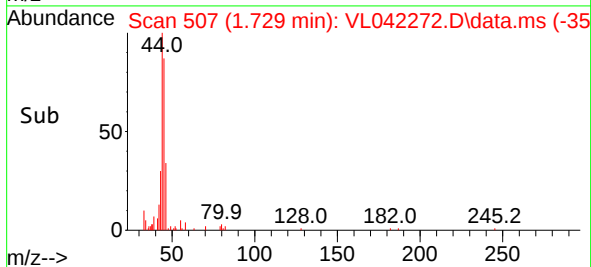
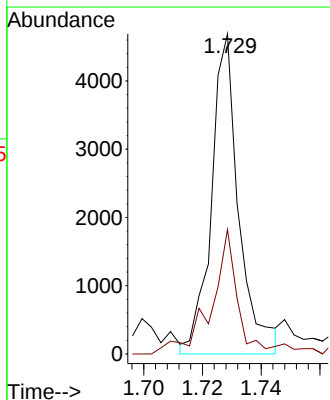
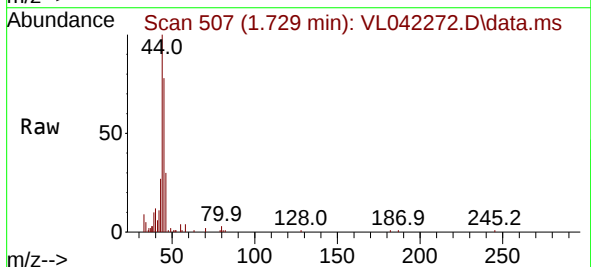
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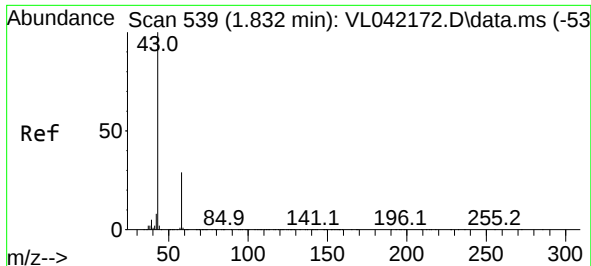
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#13
Ethanol
Concen: 2.884 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.009 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

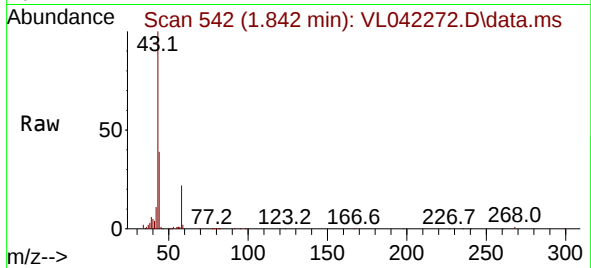
Tgt Ion: 45 Resp: 3033
Ion Ratio Lower Upper
45 100
46 8243.4 20.2 80.8#





#15
Acetone
Concen: 0.919 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

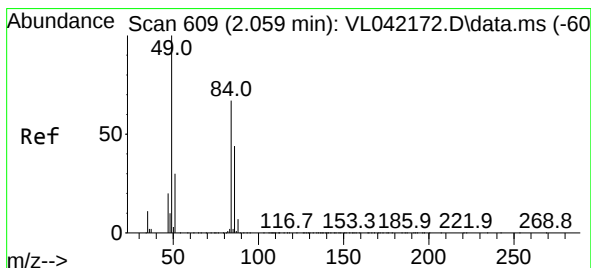
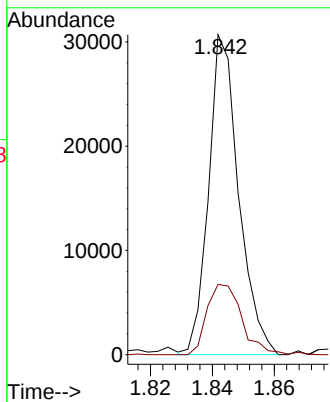
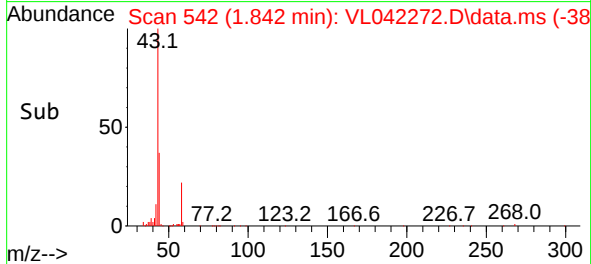
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-1-04012025



Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
58 25.8 23.2 34.8

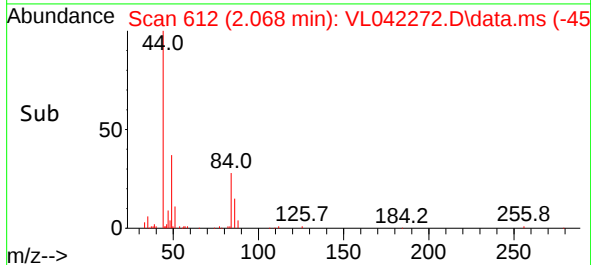
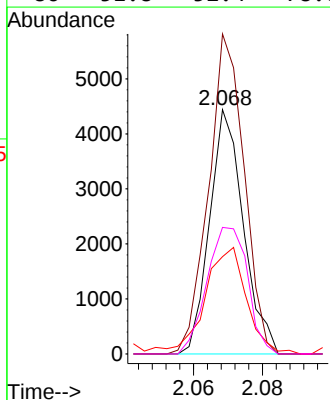
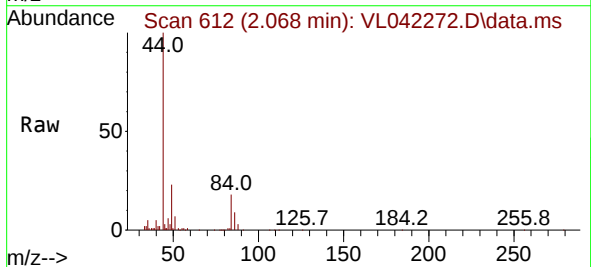
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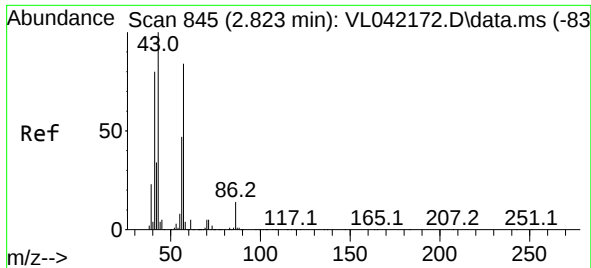
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#20
Methylene Chloride
Concen: 0.362 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

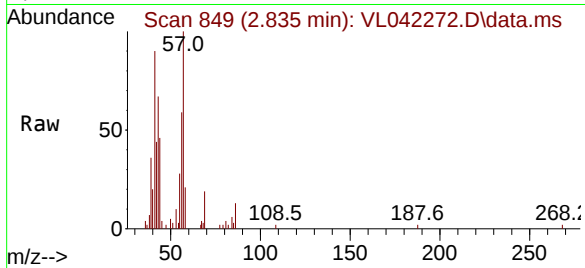
Tgt Ion: 84 Resp: 3032
Ion Ratio Lower Upper
84 100
49 135.2 120.2 180.4
51 38.6 37.4 56.0
86 51.8 52.4 78.6#





#26
Hexane
Concen: 0.146 ppbv
RT: 2.835 min Scan# 845
Delta R.T. 0.013 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

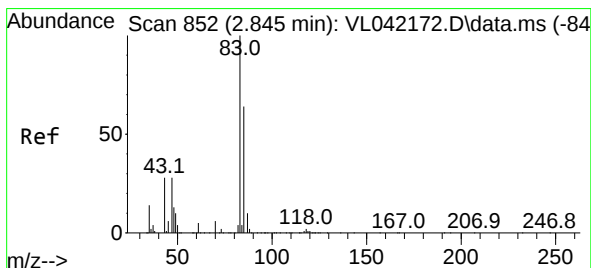
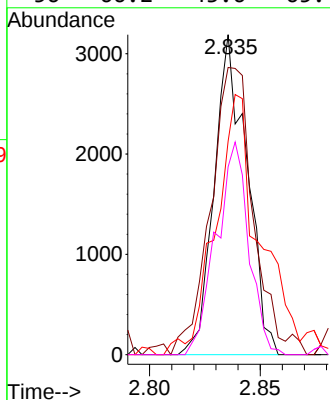
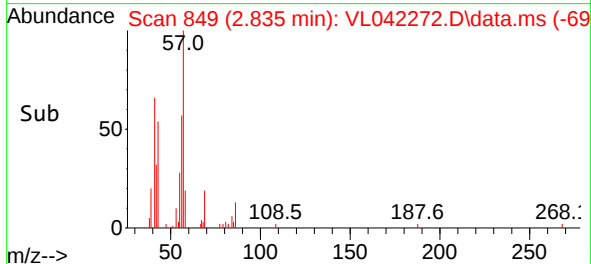
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-1-04012025



Tgt Ion: 57 Resp: 3283
Ion Ratio Lower Upper
57 100
41 120.7 76.6 114.8
43 115.5 207.8 311.8
56 66.2 43.6 65.4#

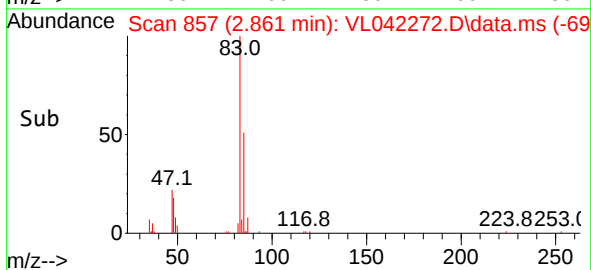
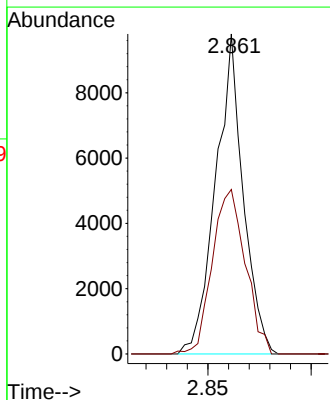
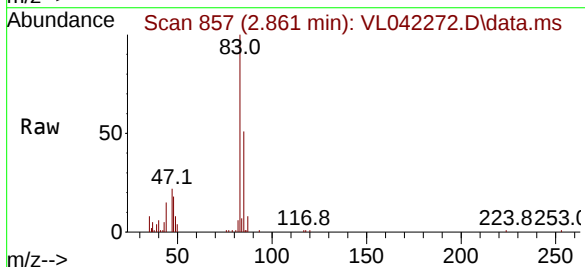
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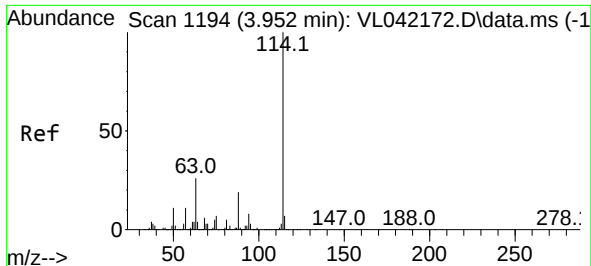
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#29
Chloroform
Concen: 0.275 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

Tgt Ion: 83 Resp: 9086
Ion Ratio Lower Upper
83 100
85 51.4 51.4 77.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1194

Delta R.T. 0.022 min

Lab File: VL042272.D

Acq: 08 Apr 2025 20:30

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B1-1-04012025

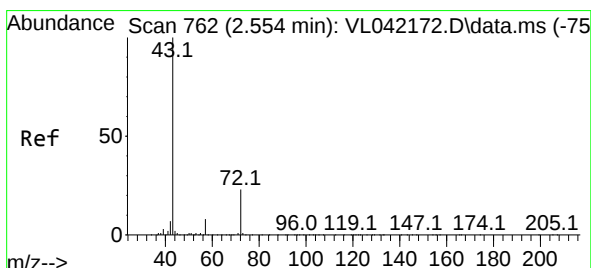
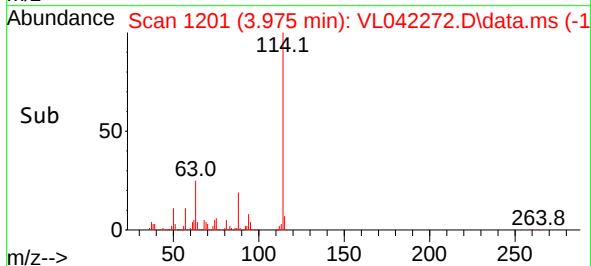
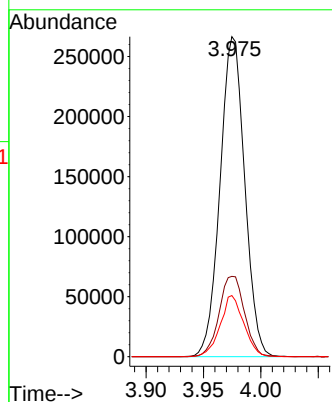
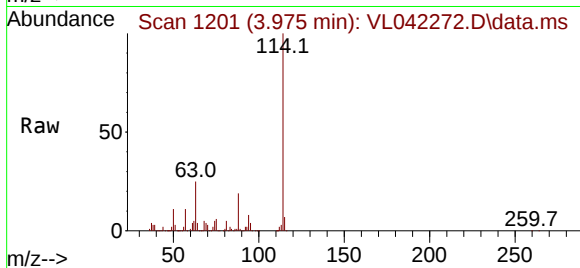
Tgt Ion:114 Resp: 39854

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.3	15.0	22.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#34

2-Butanone

Concen: 0.103 ppbv m

RT: 2.573 min Scan# 768

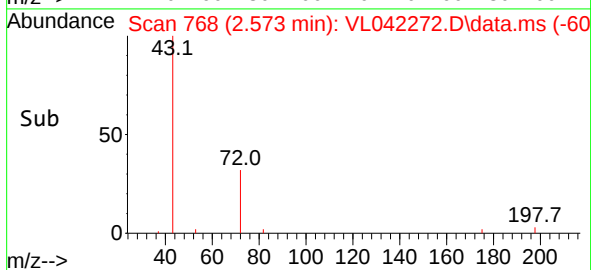
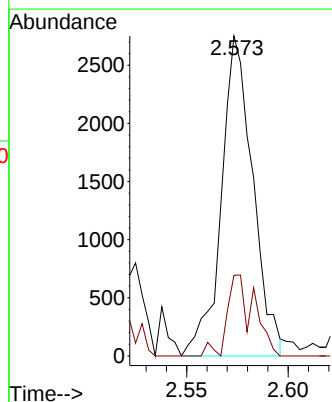
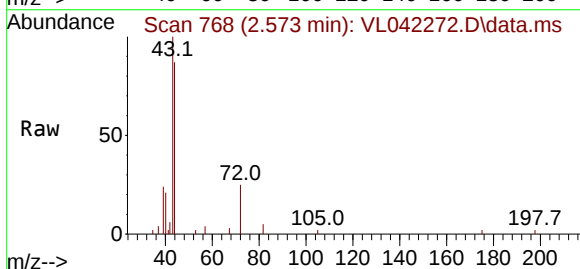
Delta R.T. 0.019 min

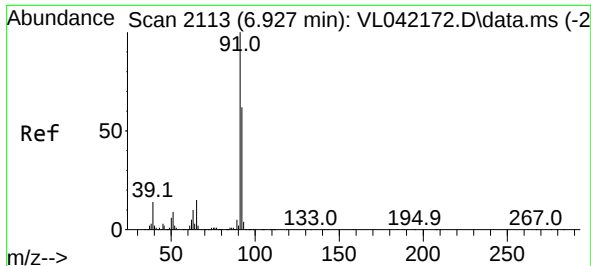
Lab File: VL042272.D

Acq: 08 Apr 2025 20:30

Tgt Ion: 43 Resp: 2976

Ion	Ratio	Lower	Upper
43	100		
72	21.4	18.2	27.2





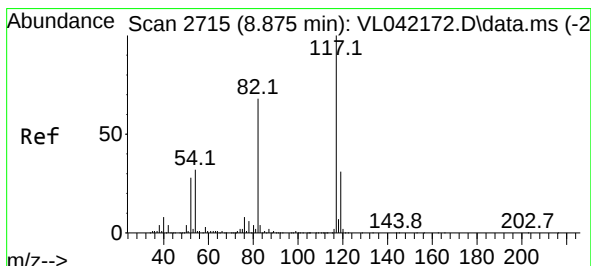
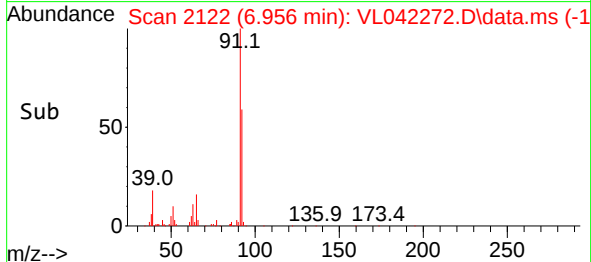
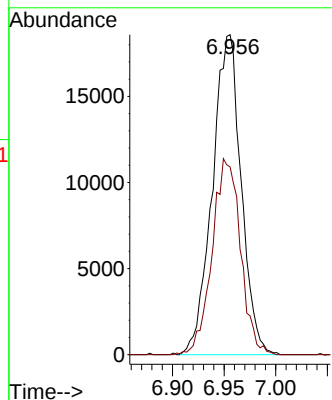
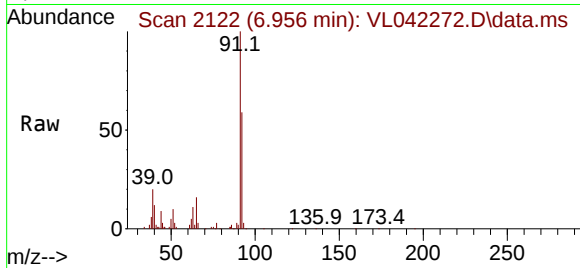
#53
Toluene
Concen: 0.771 ppbv
RT: 6.956 min Scan# 2113
Delta R.T. 0.029 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-1-04012025

Tgt Ion: 91 Resp: 36094
Ion Ratio Lower Upper
91 100
92 60.2 48.4 72.6

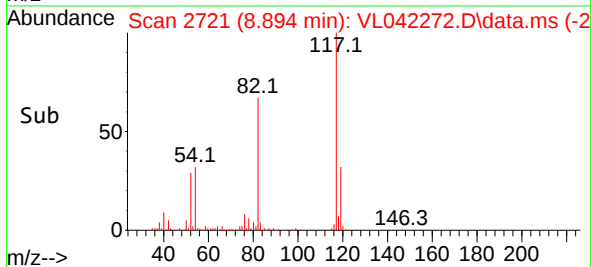
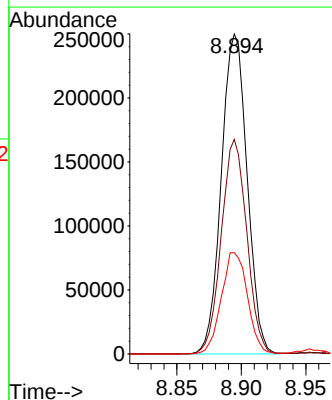
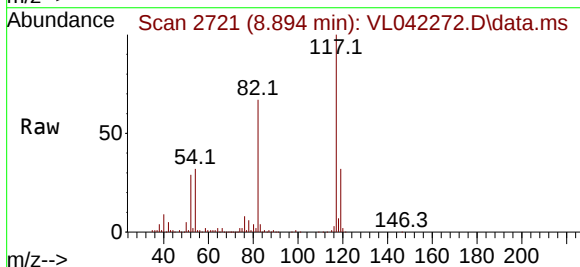
Manual Integrations
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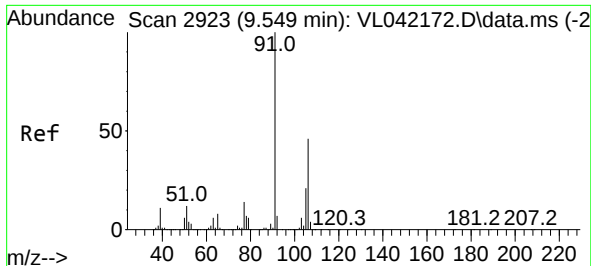
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.019 min
Lab File: VL042272.D
Acq: 08 Apr 2025 20:30

Tgt Ion:117 Resp: 347731
Ion Ratio Lower Upper
117 100
82 66.2 55.8 83.6
119 32.2 25.5 38.3





#59

m/p-Xylene

Concen: 0.270 ppbv

RT: 9.542 min Scan# 2923

Delta R.T. -0.007 min

Lab File: VL042272.D

Acq: 08 Apr 2025 20:30

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B1-1-04012025

Tgt Ion: 91 Resp: 13334

Ion Ratio Lower Upper

91 100

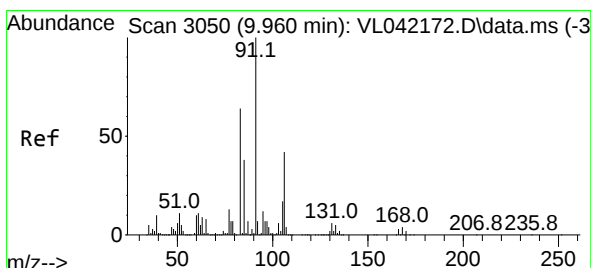
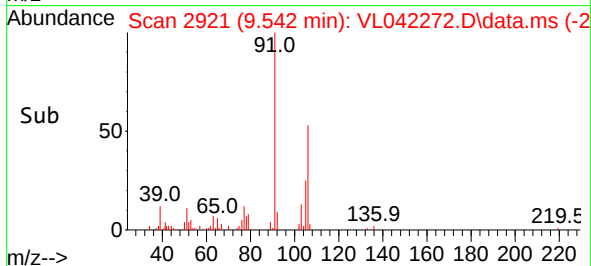
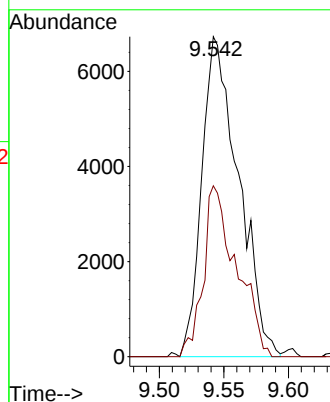
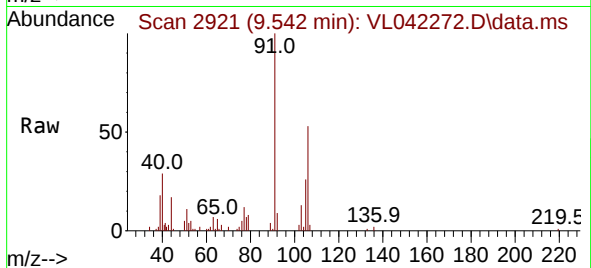
106 48.2 36.4 54.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/09/2025

Supervised By :Semsettin Yesilyurt 04/10/2025



#60

o-Xylene

Concen: 0.105 ppbv m

RT: 9.972 min Scan# 3054

Delta R.T. 0.013 min

Lab File: VL042272.D

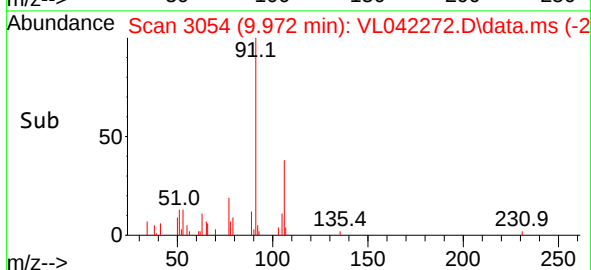
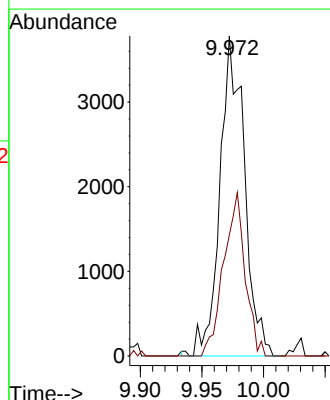
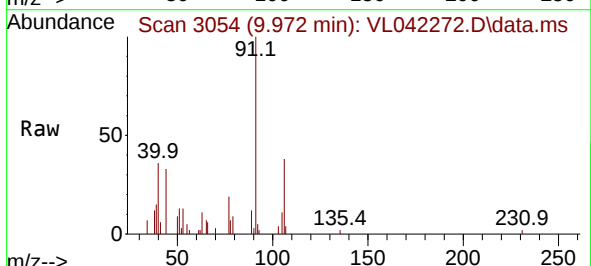
Acq: 08 Apr 2025 20:30

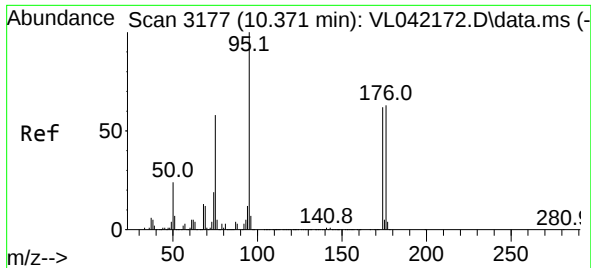
Tgt Ion: 91 Resp: 5213

Ion Ratio Lower Upper

91 100

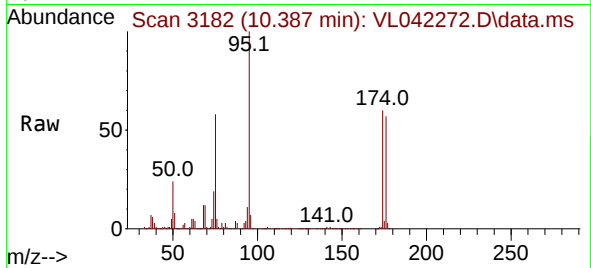
106 123.2 20.8 62.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.629 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VL042272.D
 Acq: 08 Apr 2025 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-1-04012025



Tgt Ion: 95 Resp: 274979
 Ion Ratio Lower Upper
 95 100
 174 62.4 50.6 76.0
 175 4.7 3.8 5.6

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025

