

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042084.D
 Acq On : 03 Mar 2025 18:57
 Operator : SY/MD
 Sample : Q1430-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:21:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	159302	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	356251	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.875	117	299448	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	218112	9.468	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
13) Ethanol	1.719	45	8831	14.749	ppbv	99
15) Acetone	1.835	43	9225	0.656	ppbv #	75
19) Isopropyl Alcohol	1.887	45	1947m	0.241	ppbv	
34) 2-Butanone	2.560	43	19550	0.704	ppbv	92
53) Toluene	6.933	91	5608m	0.135	ppbv	

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

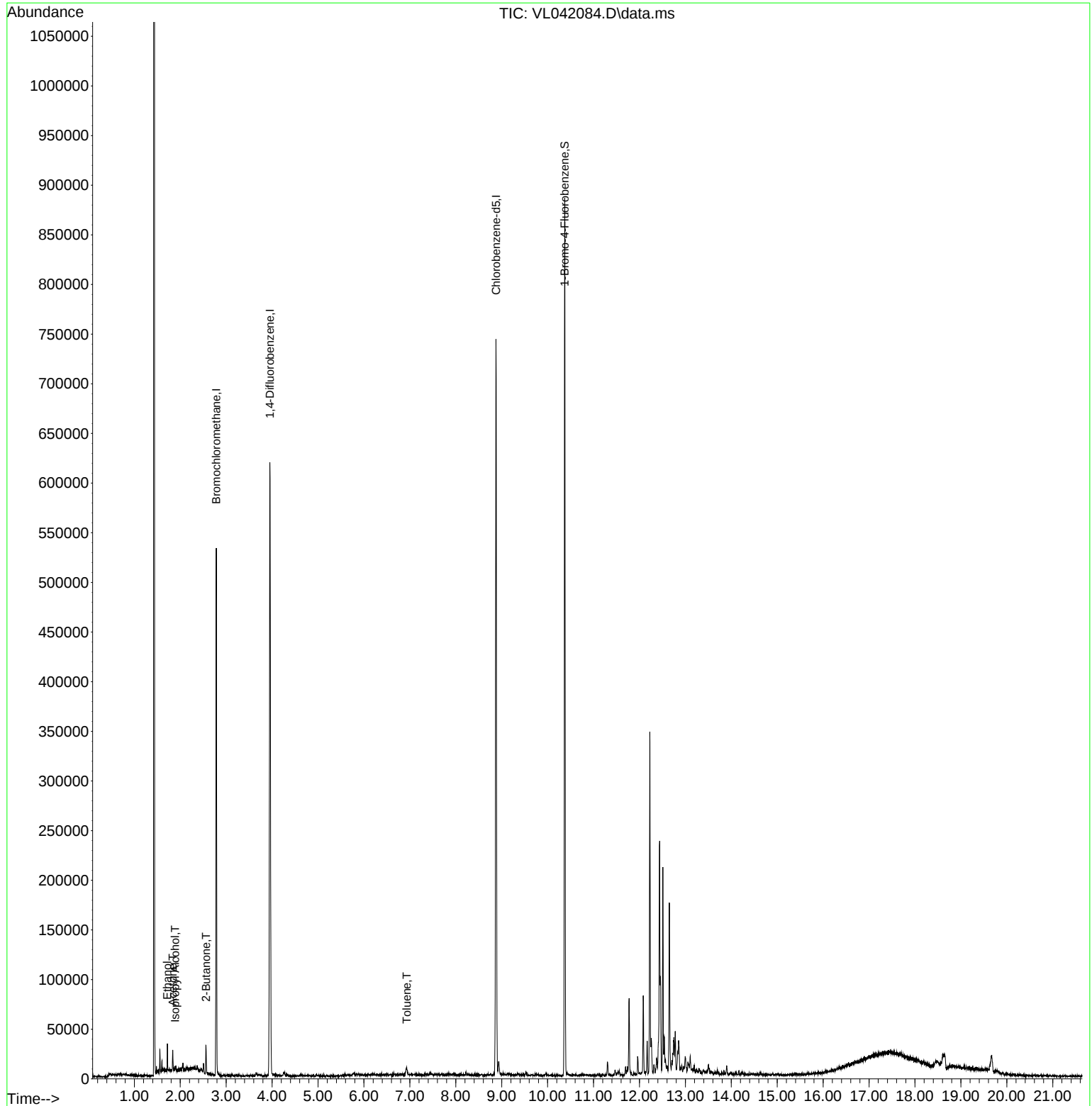
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042084.D
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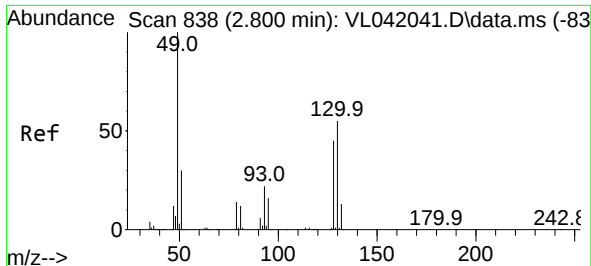
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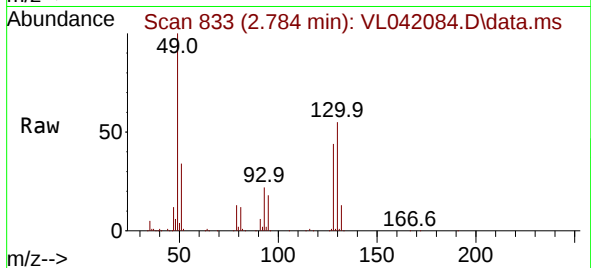
Quant Time: Mar 04 00:21:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL042084.D
Acq: 03 Mar 2025 18:57

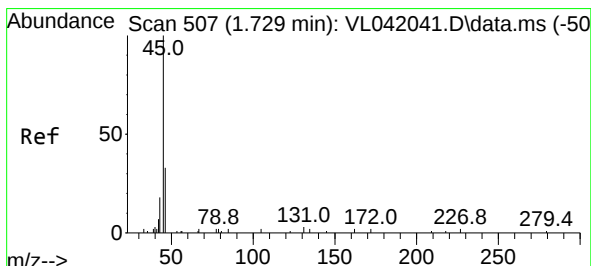
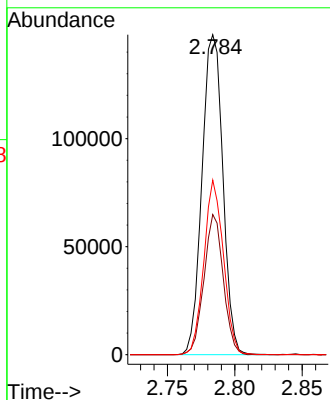
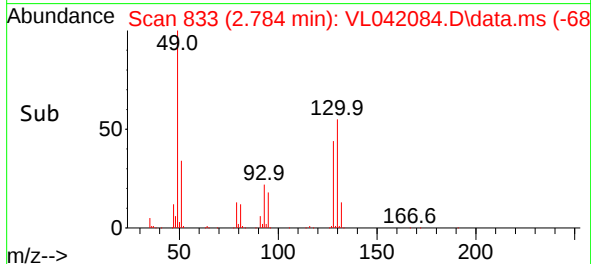
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 49 Resp: 15930
Ion Ratio Lower Upper
49 100
128 40.7 21.6 64.8
130 51.2 27.8 83.4

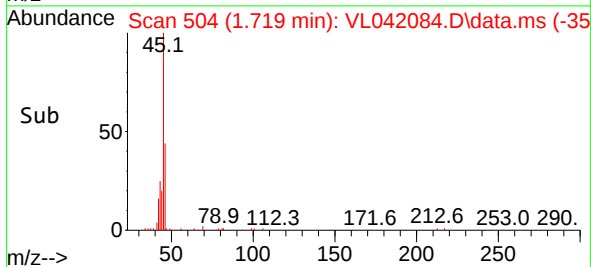
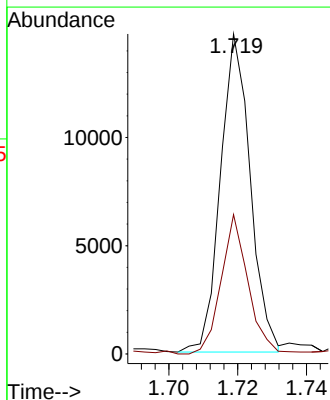
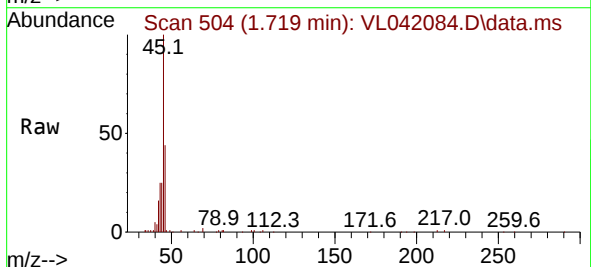
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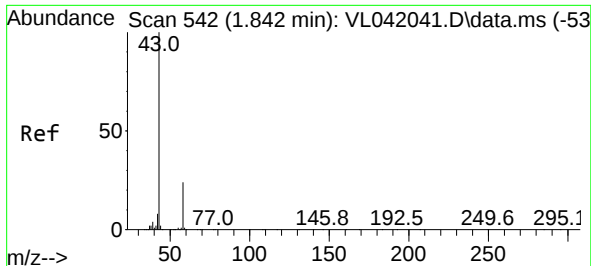
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#13
Ethanol
Concen: 14.749 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.010 min
Lab File: VL042084.D
Acq: 03 Mar 2025 18:57

Tgt Ion: 45 Resp: 8831
Ion Ratio Lower Upper
45 100
46 41.9 17.1 68.3





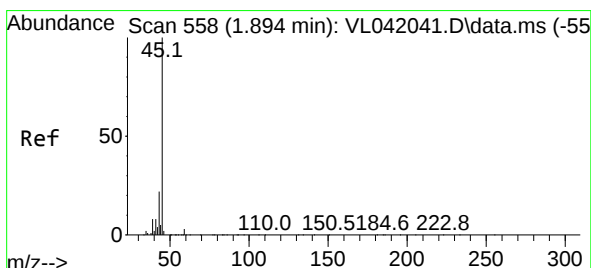
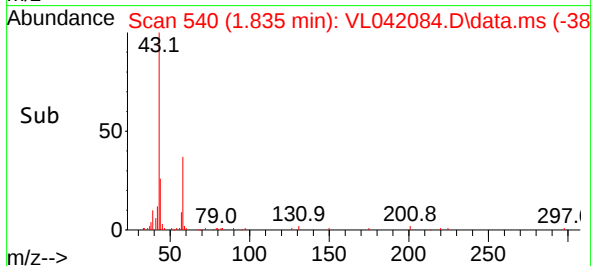
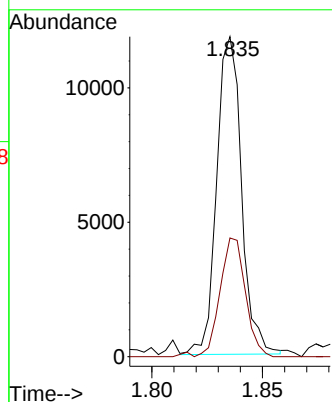
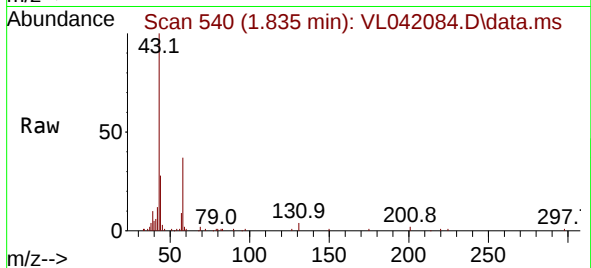
#15
Acetone
Concen: 0.656 ppbv
RT: 1.835 min Scan# 542
Delta R.T. -0.007 min
Lab File: VL042084.D
Acq: 03 Mar 2025 18:57

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tgt Ion: 43 Resp: 9225
Ion Ratio Lower Upper
43 100
58 38.5 20.7 31.1

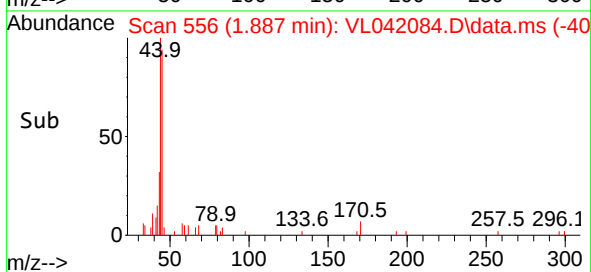
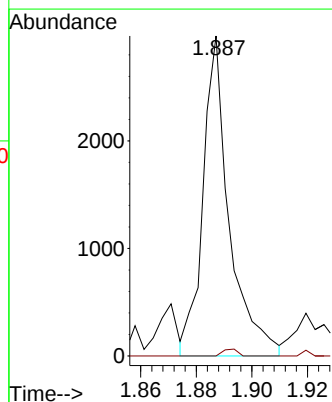
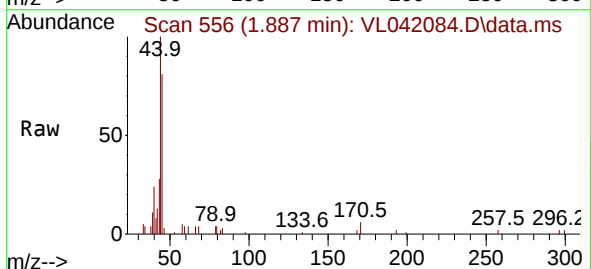
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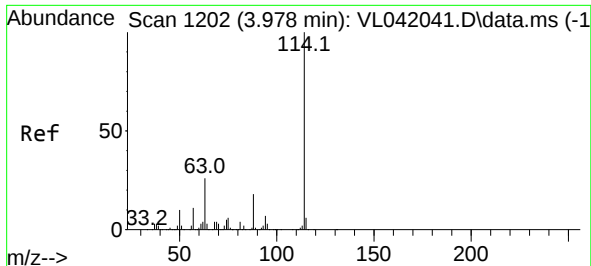
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#19
Isopropyl Alcohol
Concen: 0.241 ppbv m
RT: 1.887 min Scan# 556
Delta R.T. -0.007 min
Lab File: VL042084.D
Acq: 03 Mar 2025 18:57

Tgt Ion: 45 Resp: 1947
Ion Ratio Lower Upper
45 100
58 182.6 35.3 52.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.026 min

Lab File: VL042084.D

Acq: 03 Mar 2025 18:57

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tgt Ion:114 Resp: 35625

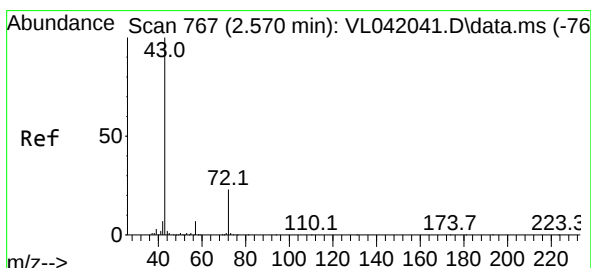
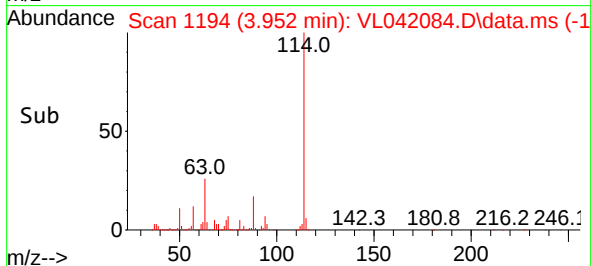
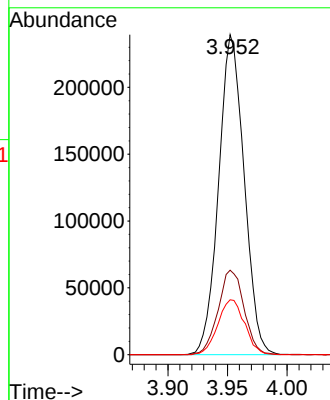
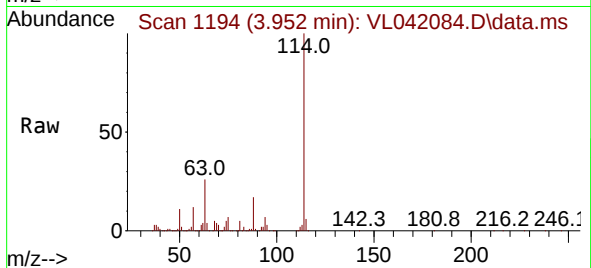
Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.1	30.1
88	18.0	14.3	21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025

Supervised By :Mahesh Dadoda 03/05/2025



#34

2-Butanone

Concen: 0.704 ppbv

RT: 2.560 min Scan# 764

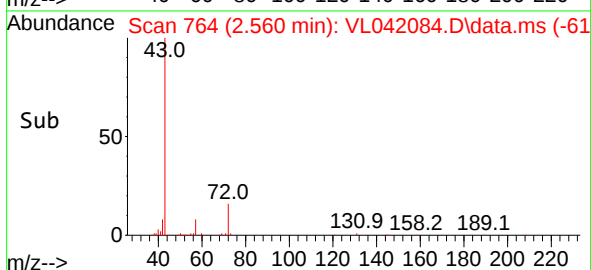
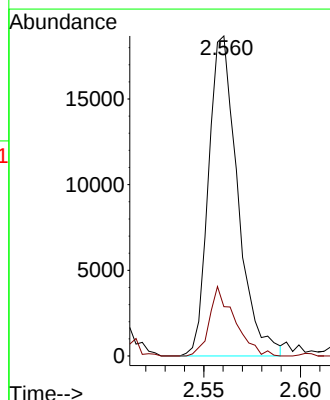
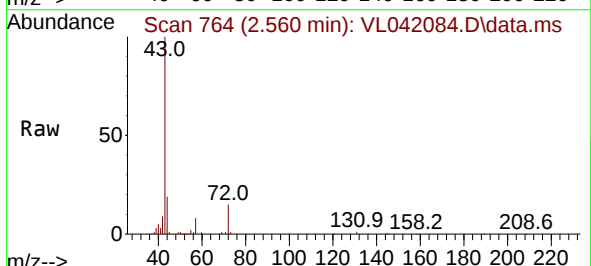
Delta R.T. -0.010 min

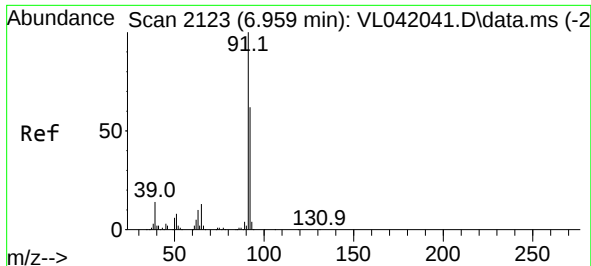
Lab File: VL042084.D

Acq: 03 Mar 2025 18:57

Tgt Ion: 43 Resp: 19550

Ion	Ratio	Lower	Upper
43	100		
72	19.1	18.5	27.7





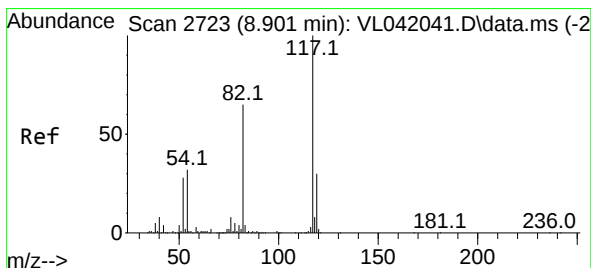
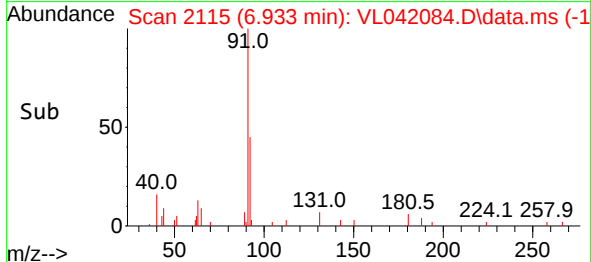
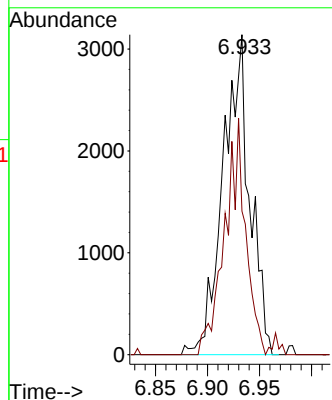
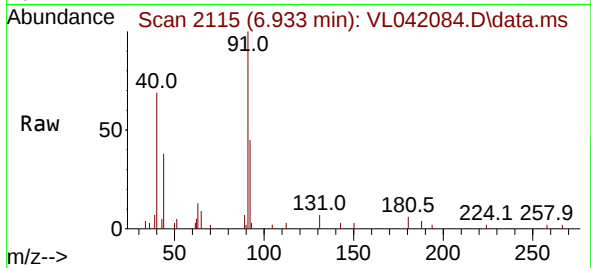
#53
Toluene
Concen: 0.135 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. -0.026 min
Lab File: VL042084.D
Acq: 03 Mar 2025 18:57

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tgt Ion: 91 Resp: 5608
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6

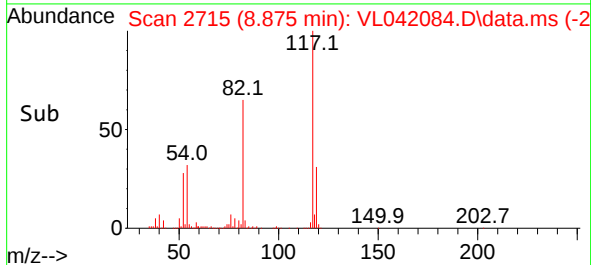
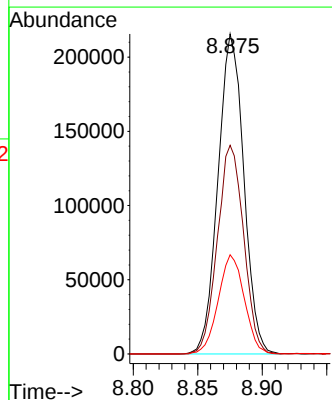
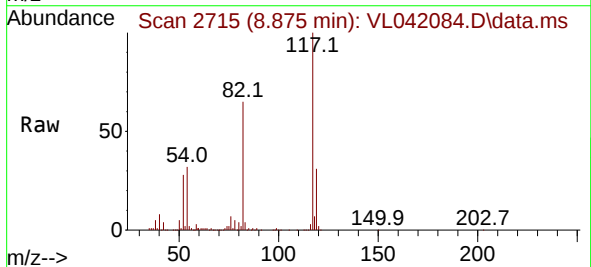
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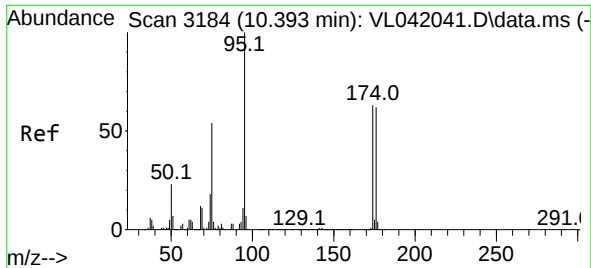
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.026 min
Lab File: VL042084.D
Acq: 03 Mar 2025 18:57

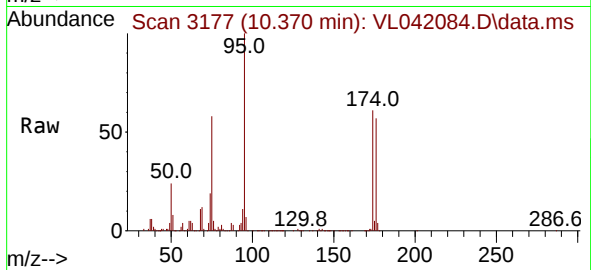
Tgt Ion:117 Resp: 299448
Ion Ratio Lower Upper
117 100
82 66.4 55.0 82.6
119 31.3 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.468 ppbv
 RT: 10.370 min Scan# 3184
 Delta R.T. -0.023 min
 Lab File: VL042084.D
 Acq: 03 Mar 2025 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL



Tgt Ion: 95 Resp: 21811

Ion	Ratio	Lower	Upper
95	100		
174	62.8	51.8	77.6
175	4.5	3.9	5.9

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