

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042072.D
 Acq On : 27 Feb 2025 14:00
 Operator : SY/MD
 Sample : Q1450-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:27:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-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	2.806	49	174112	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.988	114	404465	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.908	117	341294	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	277042	10.551	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.500%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	6581	0.638	ppbv	88
15) Acetone	1.848	43	15080	0.981	ppbv	96
26) Hexane	2.842	57	12058	0.485	ppbv #	34
34) 2-Butanone	2.583	43	7735	0.245	ppbv	97
52) Tetrachloroethene	8.250	164	5231m	0.361	ppbv	
53) Toluene	6.969	91	7683m	0.162	ppbv	
59) m/p-Xylene	9.558	91	6088m	0.122	ppbv	

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

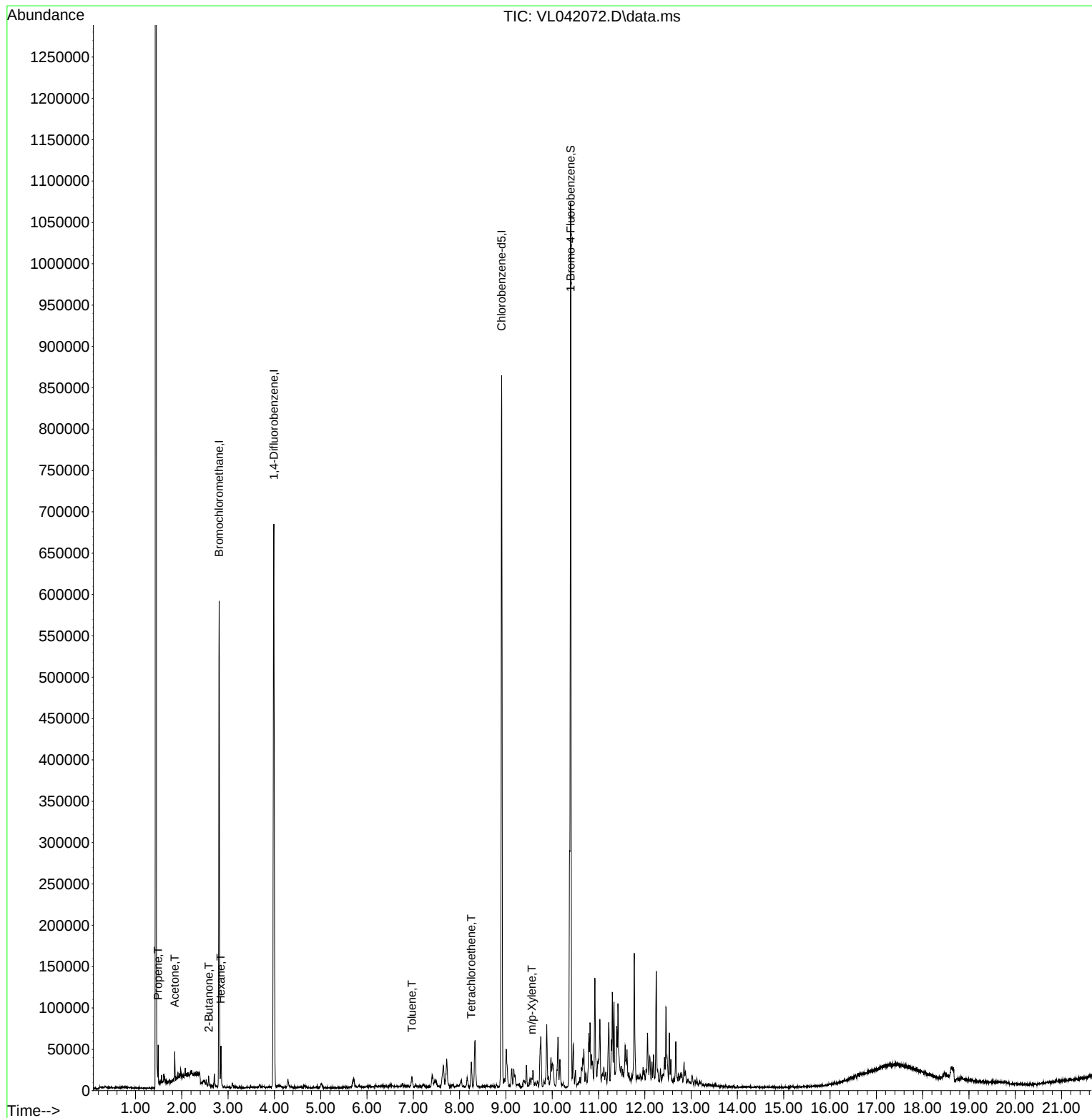
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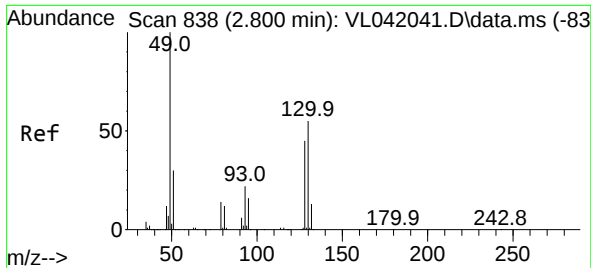
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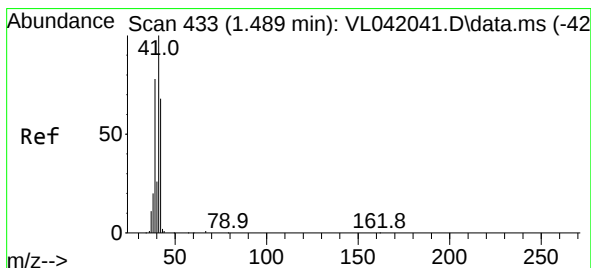
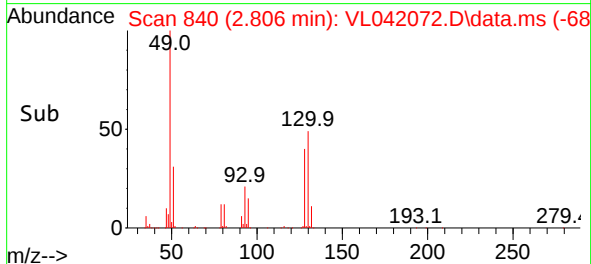
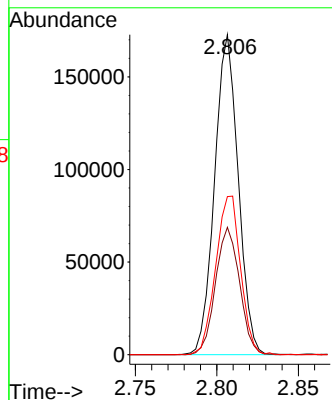
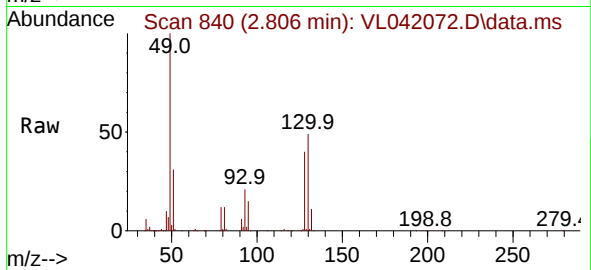
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 840
Delta R.T. 0.006 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 17411
Ion Ratio Lower Upper
49 100
128 40.6 21.6 64.8
130 52.2 27.8 83.4

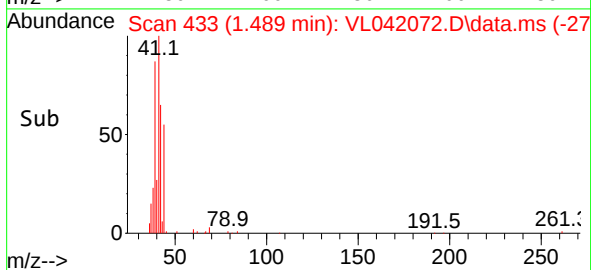
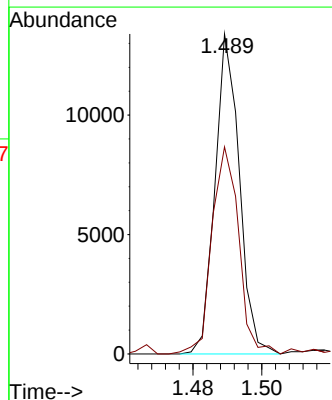
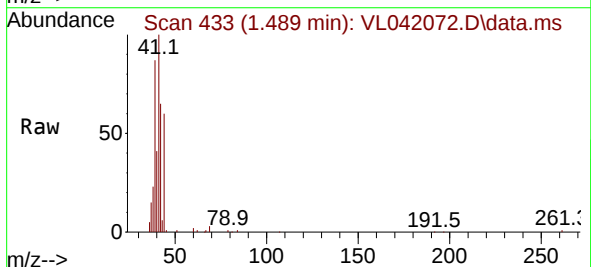
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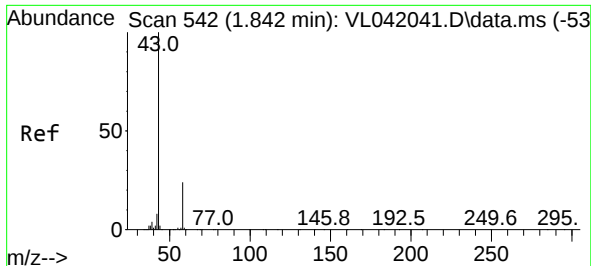
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#9
Propene
Concen: 0.638 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

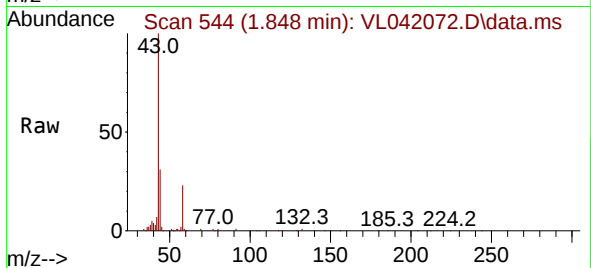
Tgt Ion: 41 Resp: 6581
Ion Ratio Lower Upper
41 100
42 79.1 55.8 83.6





#15
Acetone
Concen: 0.981 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

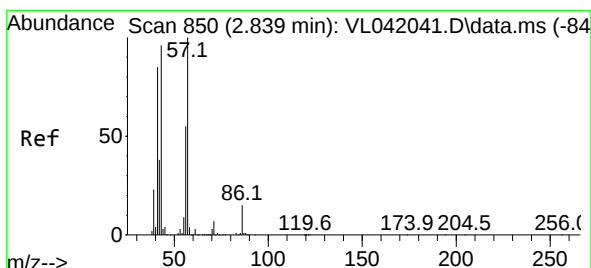
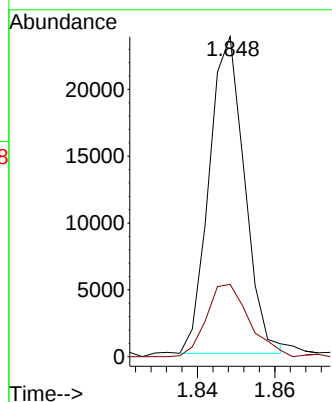
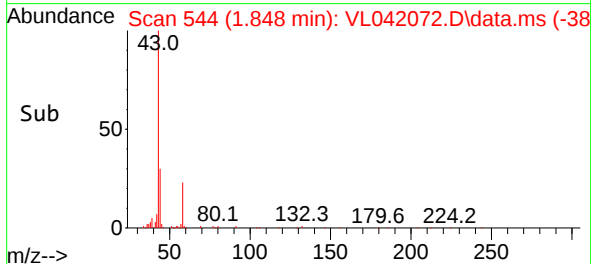
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



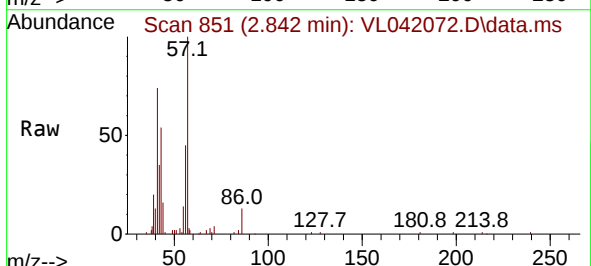
Tgt Ion: 43 Resp: 15080
Ion Ratio Lower Upper
43 100
58 27.9 20.7 31.1

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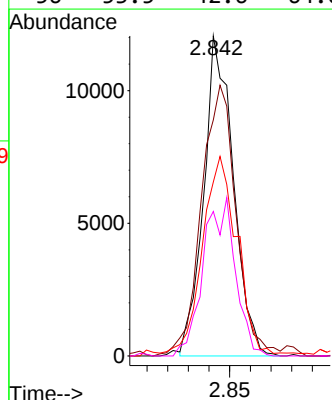
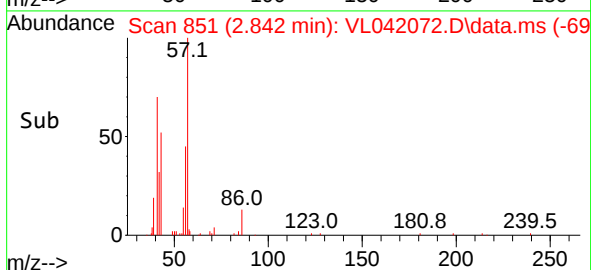
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

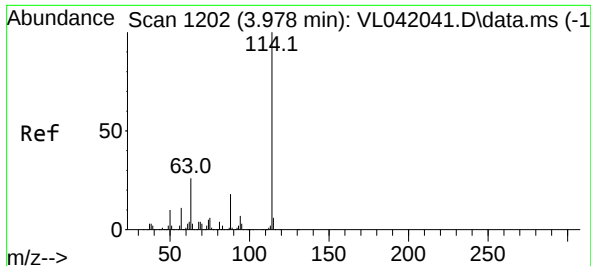


#26
Hexane
Concen: 0.485 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00



Tgt Ion: 57 Resp: 12058
Ion Ratio Lower Upper
57 100
41 99.8 70.6 106.0
43 75.9 199.4 299.0#
56 53.5 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL042072.D

Acq: 27 Feb 2025 14:00

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 40446

Ion Ratio Lower Upper

114 100

63 26.8 20.1 30.1

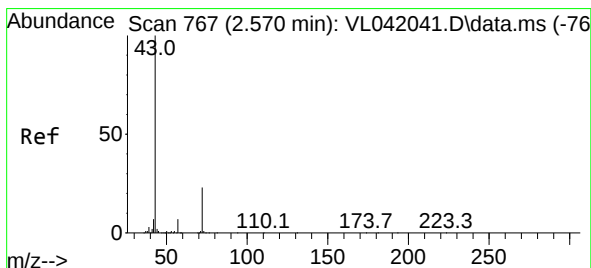
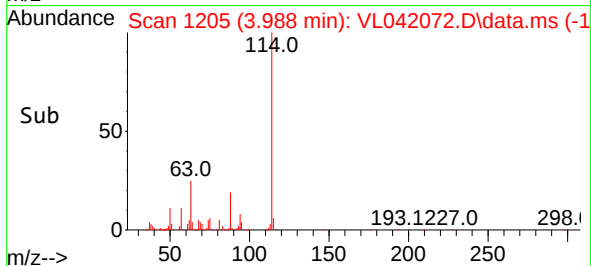
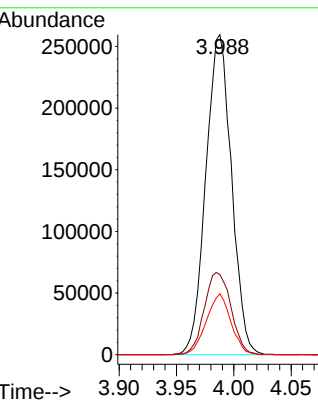
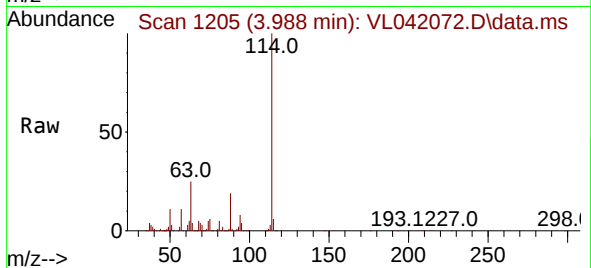
88 18.3 14.3 21.5

Manual Integrations

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#34

2-Butanone

Concen: 0.245 ppbv

RT: 2.583 min Scan# 771

Delta R.T. 0.013 min

Lab File: VL042072.D

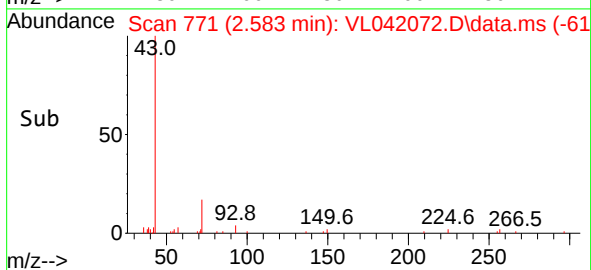
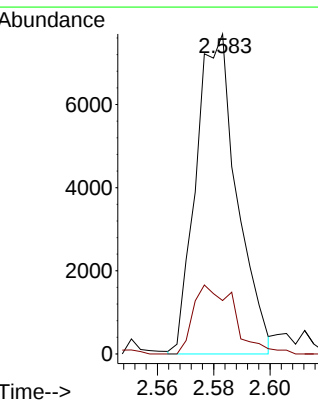
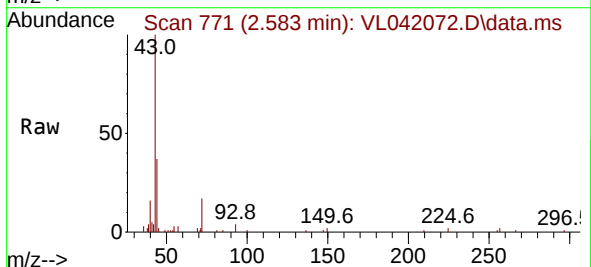
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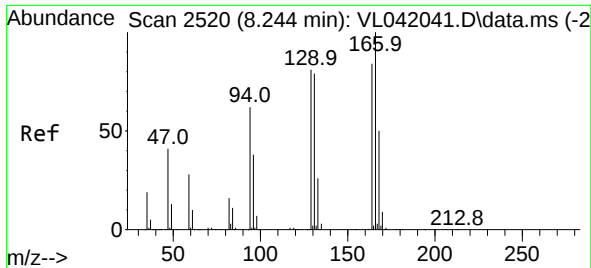
Tgt Ion: 43 Resp: 7735

Ion Ratio Lower Upper

43 100

72 21.8 18.5 27.7





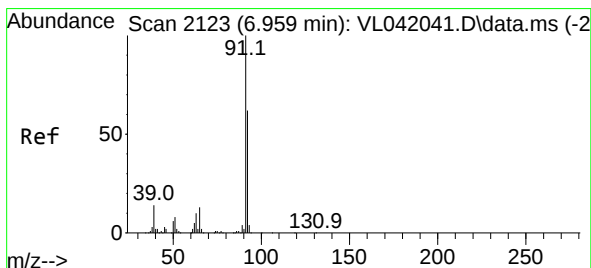
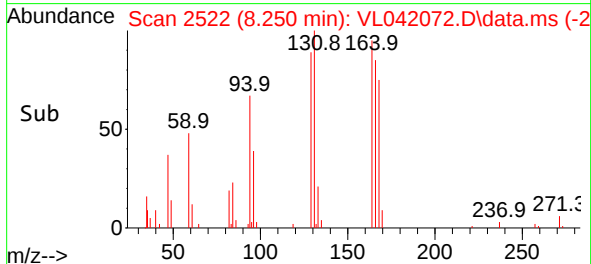
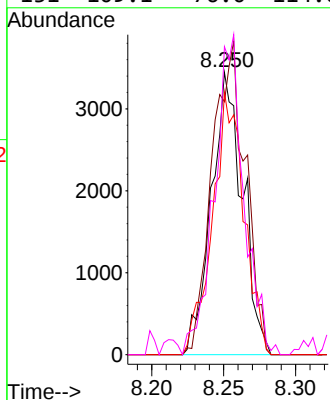
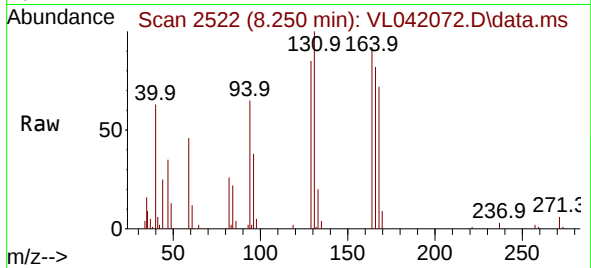
#52
Tetrachloroethene
Concen: 0.361 ppbv m
RT: 8.250 min Scan# 2126
Delta R.T. 0.006 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:164 Resp: 523
Ion Ratio Lower Upper
164 100
166 89.6 95.7 143.5
129 93.0 77.1 115.7
131 109.1 76.0 114.0

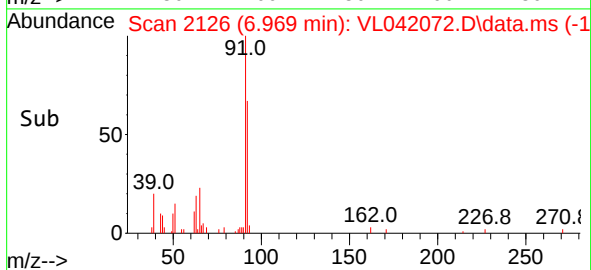
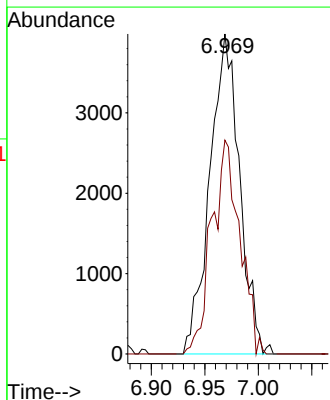
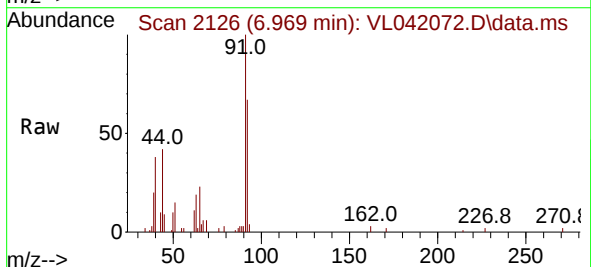
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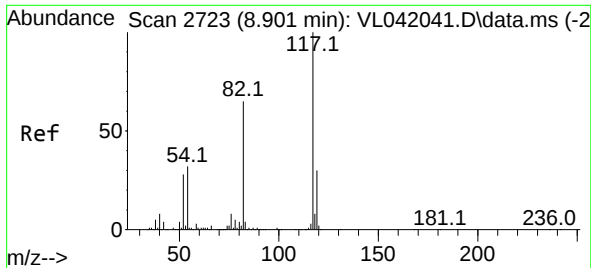
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#53
Toluene
Concen: 0.162 ppbv m
RT: 6.969 min Scan# 2126
Delta R.T. 0.010 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

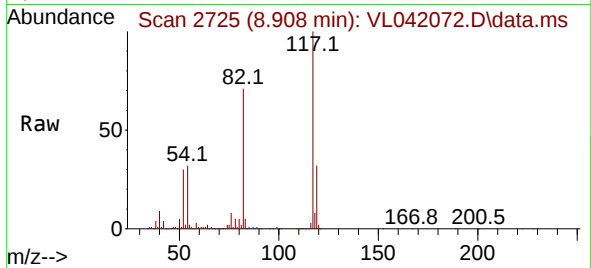
Tgt Ion: 91 Resp: 7683
Ion Ratio Lower Upper
91 100
92 63.2 49.0 73.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

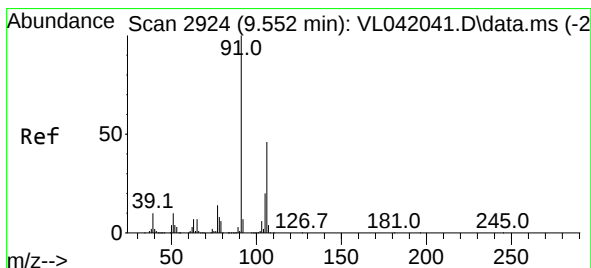
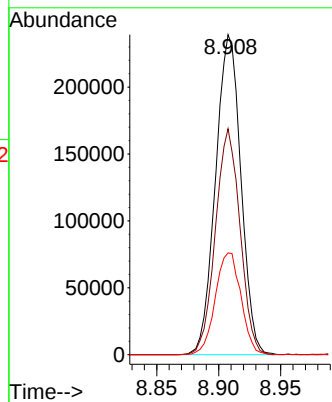
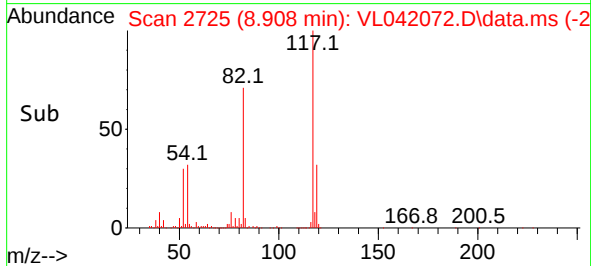
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 341294
Ion Ratio Lower Upper
117 100
82 68.5 55.0 82.6
119 32.2 25.9 38.9

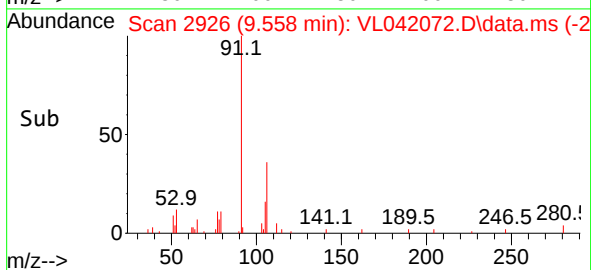
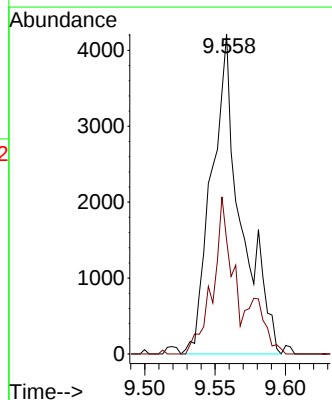
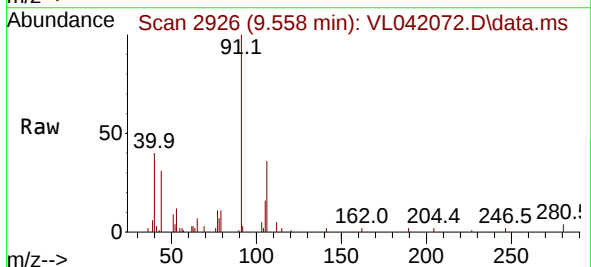
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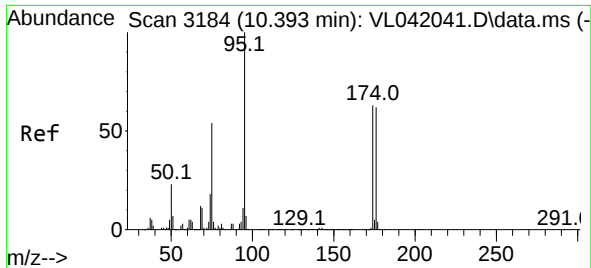
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#59
m/p-Xylene
Concen: 0.122 ppbv m
RT: 9.558 min Scan# 2926
Delta R.T. 0.006 min
Lab File: VL042072.D
Acq: 27 Feb 2025 14:00

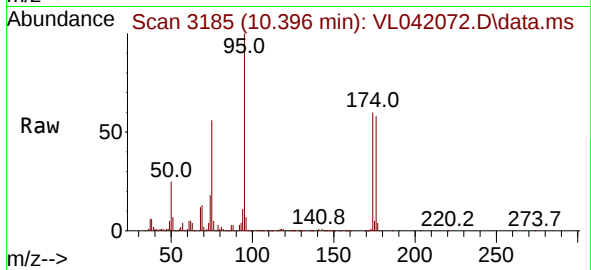
Tgt Ion: 91 Resp: 6088
Ion Ratio Lower Upper
91 100
106 43.6 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.551 ppbv
 RT: 10.396 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL042072.D
 Acq: 27 Feb 2025 14:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 277042
 Ion Ratio Lower Upper
 95 100
 174 62.2 51.8 77.6
 175 4.6 3.9 5.9

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