

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042245.D
 Acq On : 07 Apr 2025 22:40
 Operator : SY/MD
 Sample : Q1725-05 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B14-3-04012025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:37:28 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

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	2.803	49	191155	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	493918	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.908	117	441320	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	357099	9.853	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.506	85	6425	0.228	ppbv	93
3) Chlorodifluoromethane	1.483	51	5063m	0.176	ppbv	
4) Chloromethane	1.541	50	2684	0.233	ppbv	100
9) Propene	1.493	41	6073m	0.460	ppbv	
11) Trichlorofluoromethane	1.887	101	2858	0.104	ppbv #	75
13) Ethanol	1.729	45	9102m	7.286	ppbv	
15) Acetone	1.845	43	590313	22.081	ppbv	96
19) Isopropyl Alcohol	1.897	45	1101017	72.993	ppbv #	32
20) Methylene Chloride	2.072	84	3195	0.321	ppbv #	94
26) Hexane	2.842	57	3476	0.130	ppbv #	33
29) Chloroform	2.865	83	4102	0.105	ppbv	91
34) 2-Butanone	2.577	43	12837	0.358	ppbv	97
35) Carbon Tetrachloride	3.791	117	1389m	0.036	ppbv	
52) Tetrachloroethene	8.254	164	816m	0.042	ppbv	
53) Toluene	6.972	91	22311	0.384	ppbv	97
58) Ethyl Benzene	9.377	91	35929	0.458	ppbv	96
59) m/p-Xylene	9.555	91	125540	2.006	ppbv	99
60) o-Xylene	9.986	91	25937	0.413	ppbv	100
61) Styrene	9.895	104	6211	0.200	ppbv	92

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

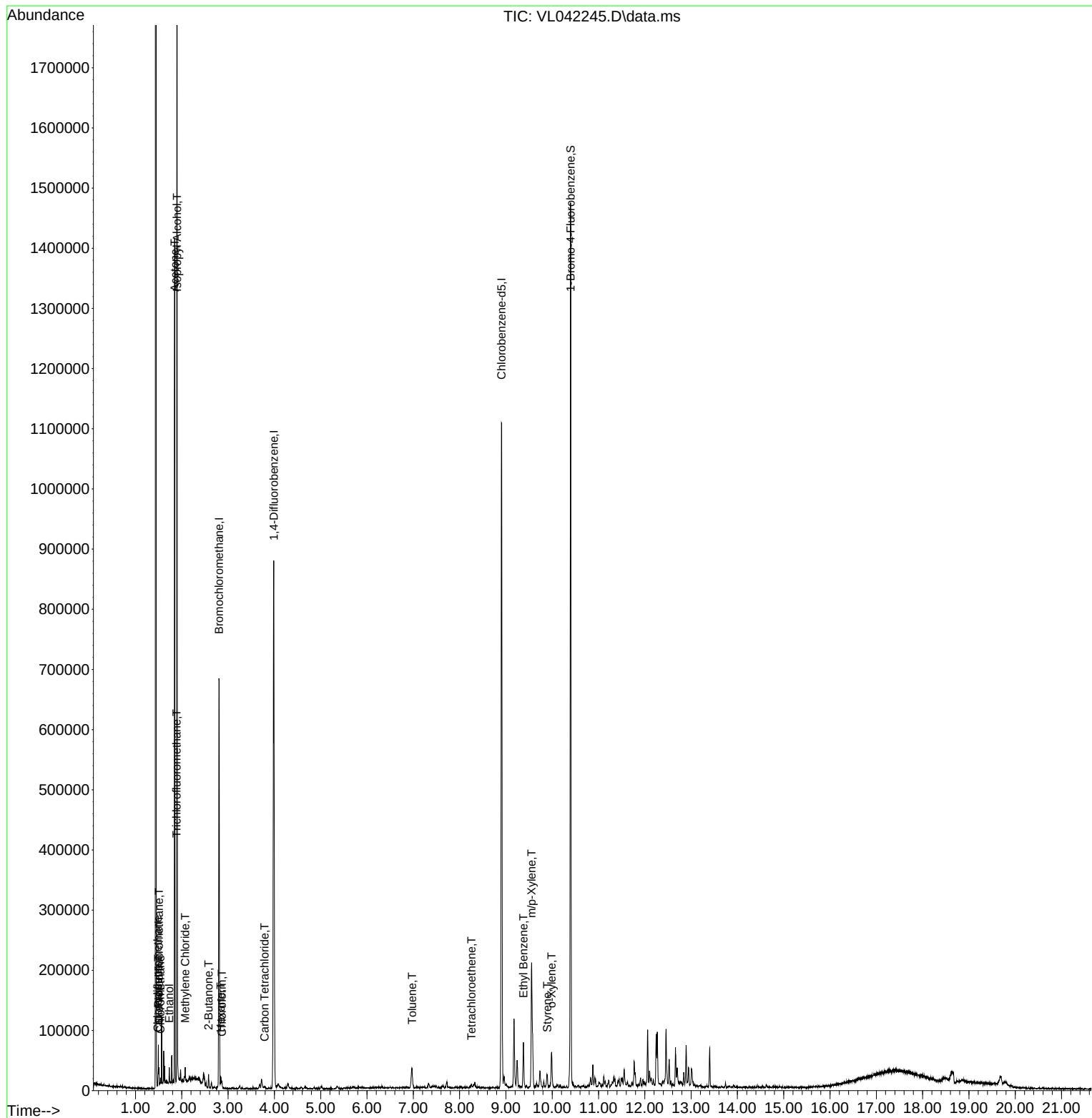
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
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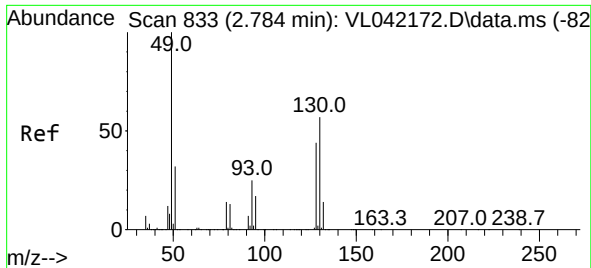
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Quant Time: Apr 08 01:37:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

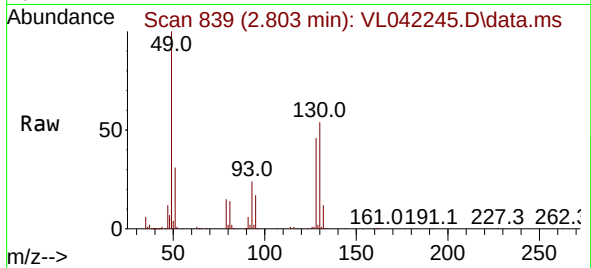
Reviewed By : Semsettin Yesilyurt 04/08/2025
Supervised By : Mahesh Dadoda 04/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

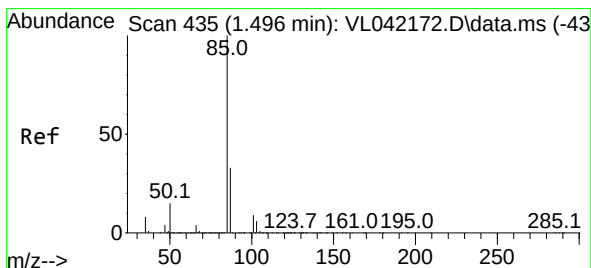
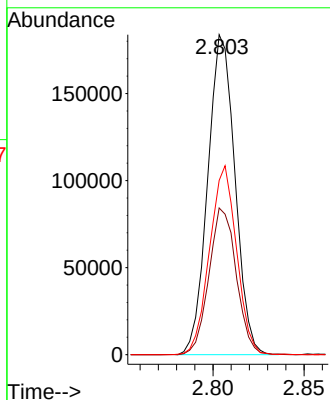
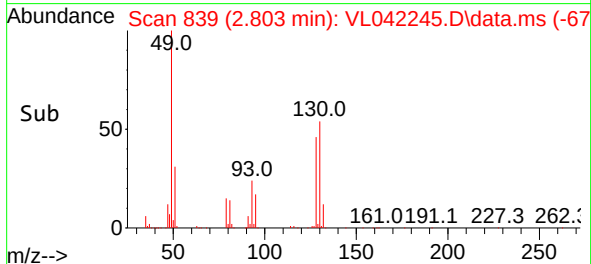
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025



Tgt Ion: 49 Resp: 19115
Ion Ratio Lower Upper
49 100
128 46.0 22.9 68.5
130 58.6 28.8 86.4

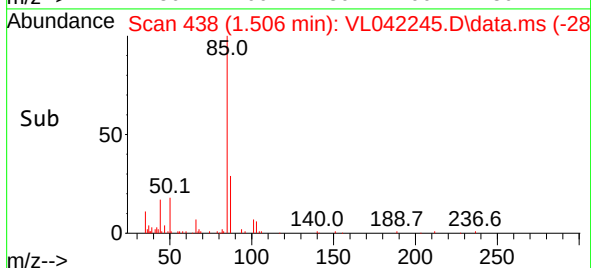
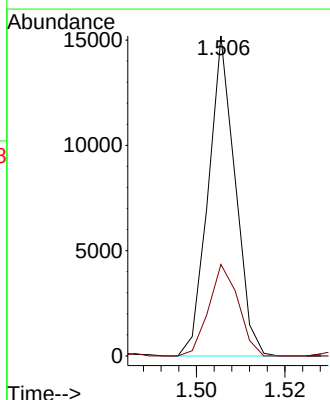
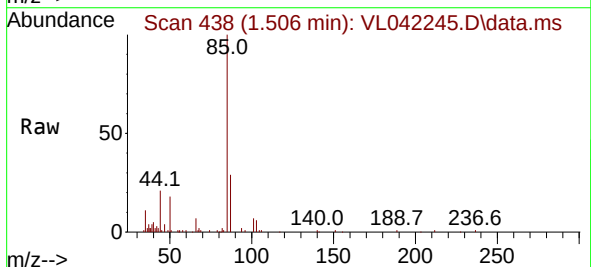
Manual Integrations
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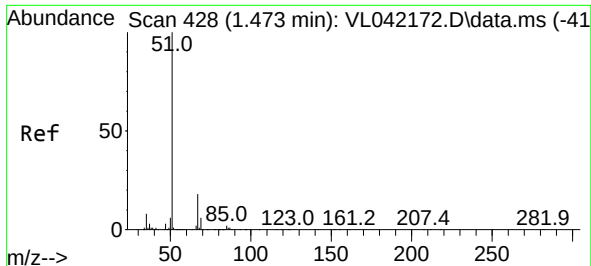
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#2
Dichlorodifluoromethane
Concen: 0.228 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

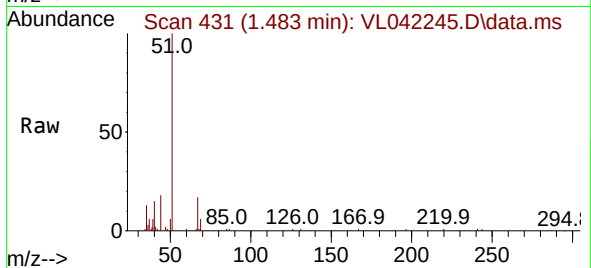
Tgt Ion: 85 Resp: 6425
Ion Ratio Lower Upper
85 100
87 28.6 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.176 ppbv m
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

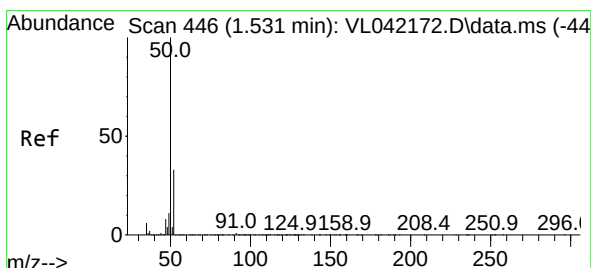
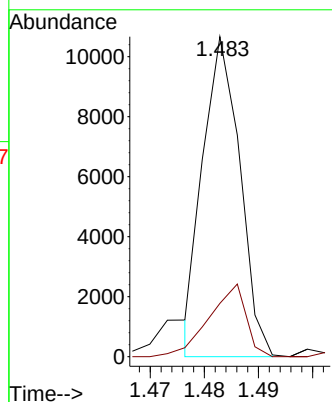
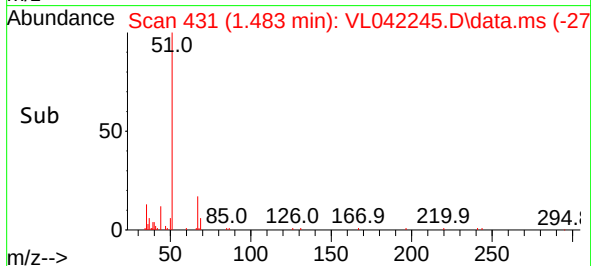
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025



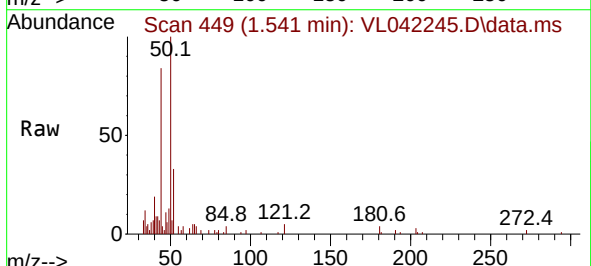
Tgt Ion: 51 Resp: 506
Ion Ratio Lower Upper
51 100
67 24.3 15.0 22.6

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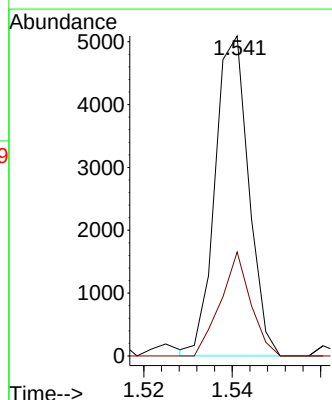
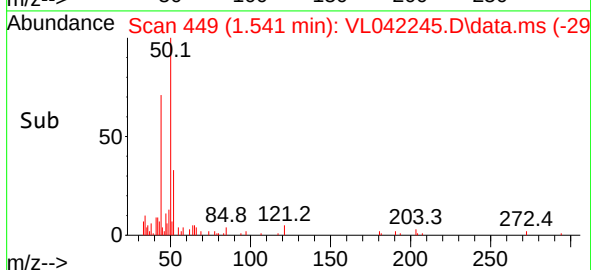
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

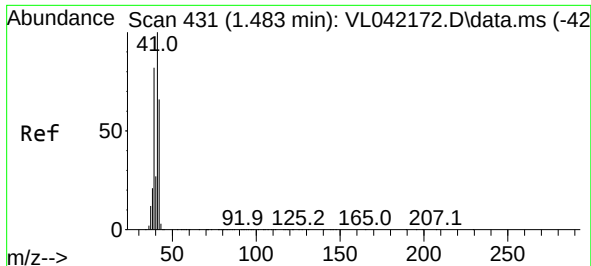


#4
Chloromethane
Concen: 0.233 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40



Tgt Ion: 50 Resp: 2684
Ion Ratio Lower Upper
50 100
52 32.5 26.1 39.1





#9

Propene

Concen: 0.460 ppbv m

RT: 1.493 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042245.D

Acq: 07 Apr 2025 22:40

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B14-3-04012025

Tgt Ion: 41 Resp: 607

Ion Ratio Lower Upper

41 100

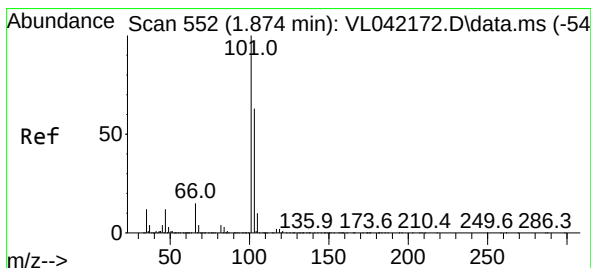
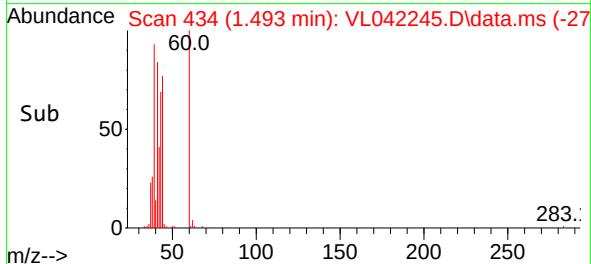
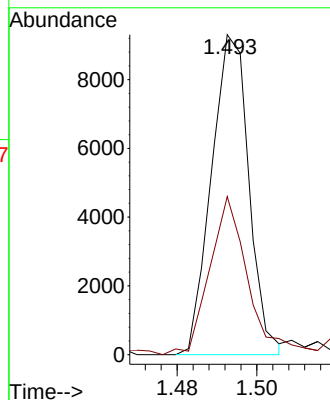
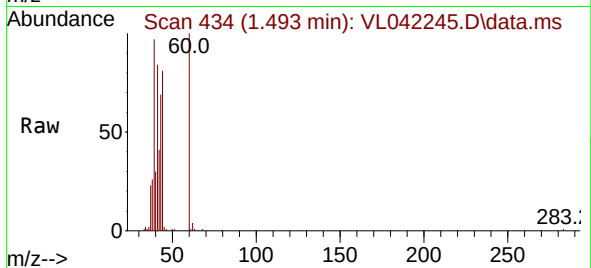
42 1108.9 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#11

Trichlorofluoromethane

Concen: 0.104 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.013 min

Lab File: VL042245.D

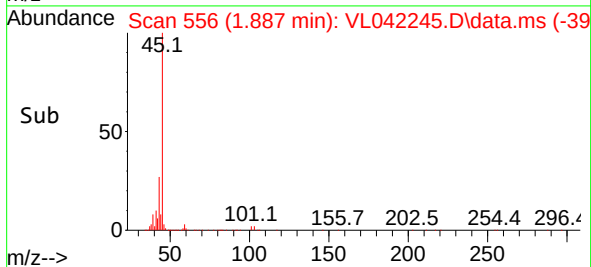
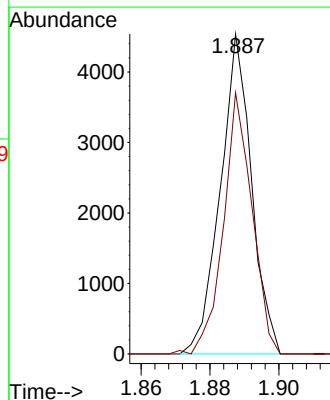
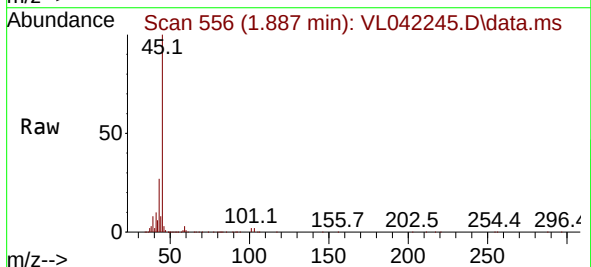
Acq: 07 Apr 2025 22:40

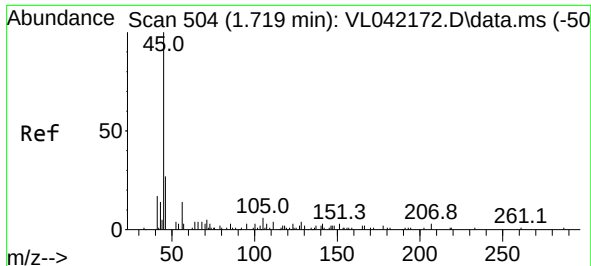
Tgt Ion:101 Resp: 2858

Ion Ratio Lower Upper

101 100

103 81.7 50.2 75.2#





#13

Ethanol

Concen: 7.286 ppbv m

RT: 1.729 min Scan# 504

Delta R.T. 0.010 min

Lab File: VL042245.D

Acq: 07 Apr 2025 22:40

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B14-3-04012025

Tgt Ion: 45 Resp: 910

Ion Ratio Lower Upper

45 100

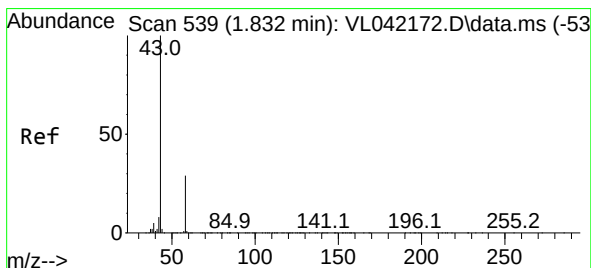
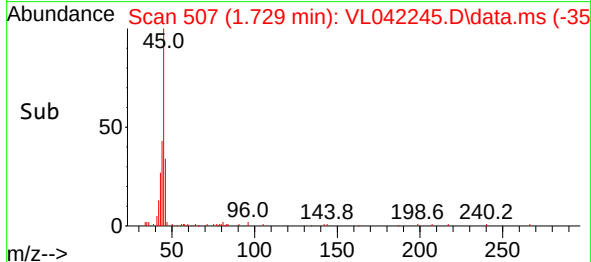
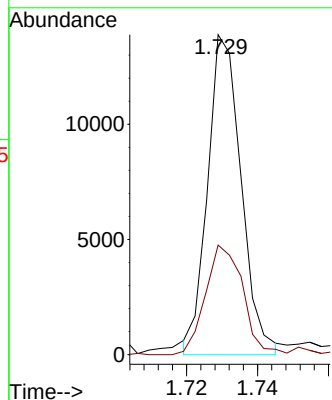
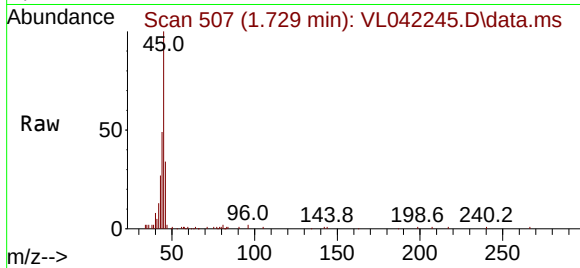
46 302.7 20.2 80.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#15

Acetone

Concen: 22.081 ppbv

RT: 1.845 min Scan# 543

Delta R.T. 0.013 min

Lab File: VL042245.D

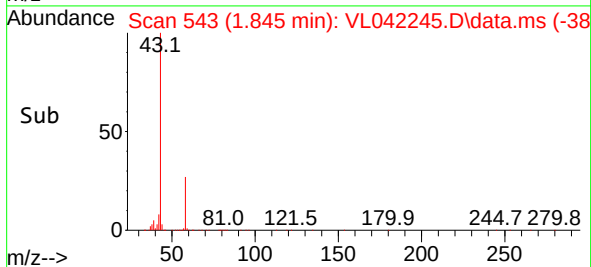
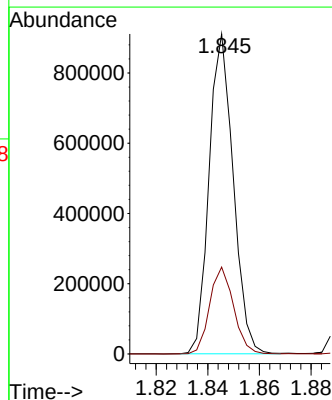
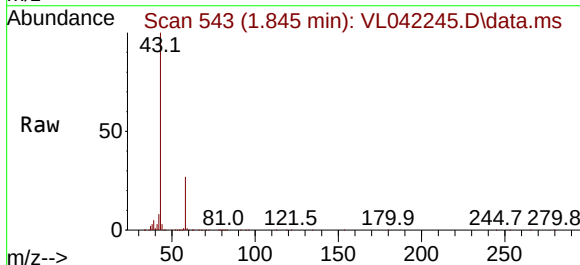
Acq: 07 Apr 2025 22:40

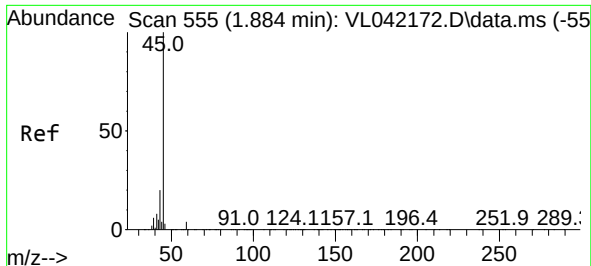
Tgt Ion: 43 Resp: 590313

Ion Ratio Lower Upper

43 100

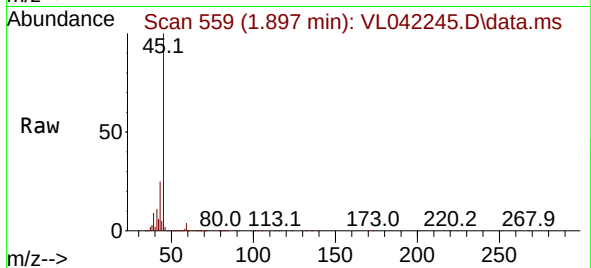
58 27.0 23.2 34.8





#19
Isopropyl Alcohol
Concen: 72.993 ppbv
RT: 1.897 min Scan# 511
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

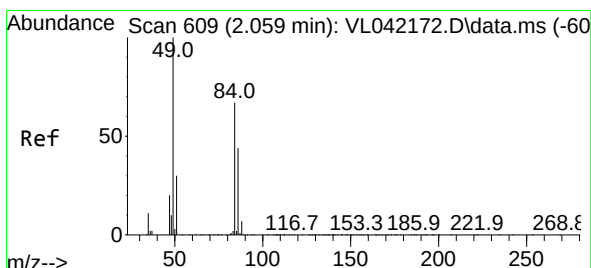
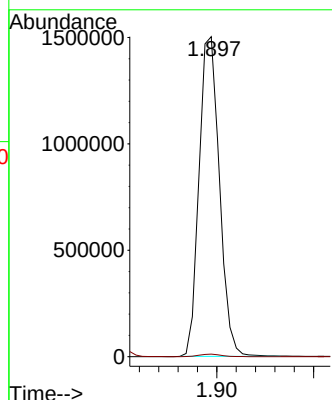
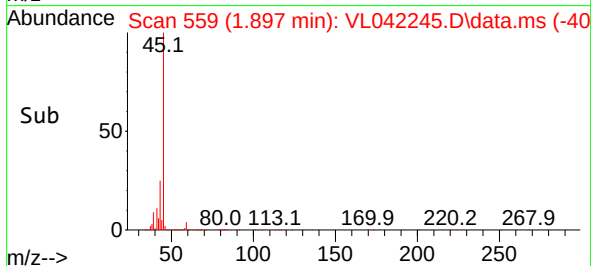
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025



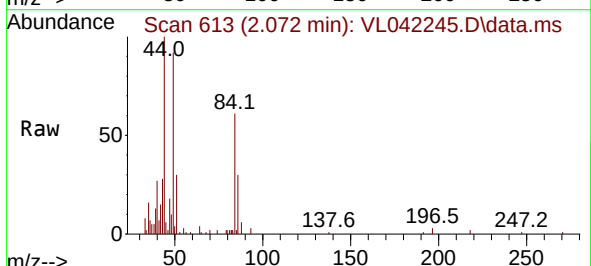
Tgt Ion: 45 Resp: 110101
Ion Ratio Lower Upper
45 100
58 0.9 36.9 55.3

Manual Integrations
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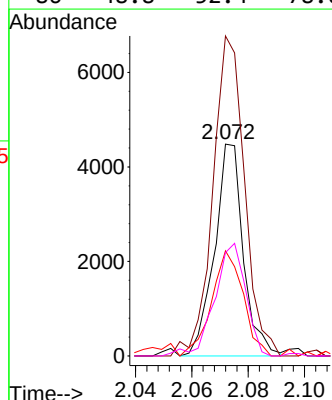
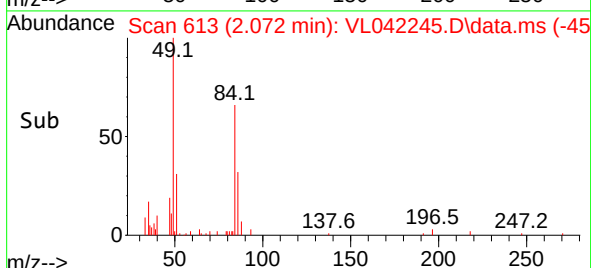
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

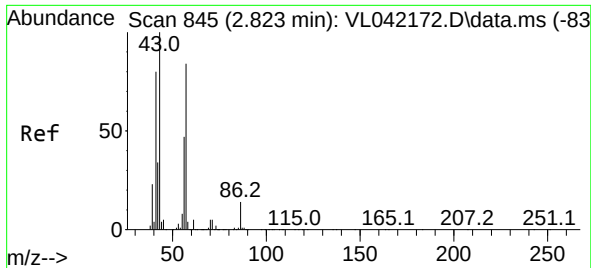


#20
Methylene Chloride
Concen: 0.321 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40



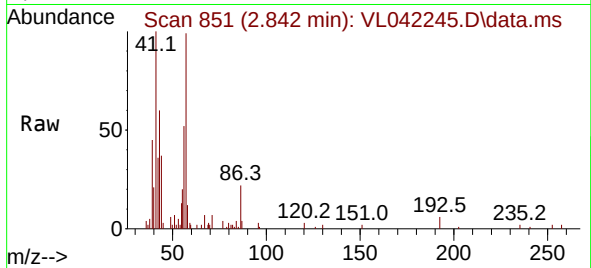
Tgt Ion: 84 Resp: 3195
Ion Ratio Lower Upper
84 100
49 151.1 120.2 180.4
51 49.6 37.4 56.0
86 48.8 52.4 78.6





#26
Hexane
Concen: 0.130 ppbv
RT: 2.842 min Scan# 845
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

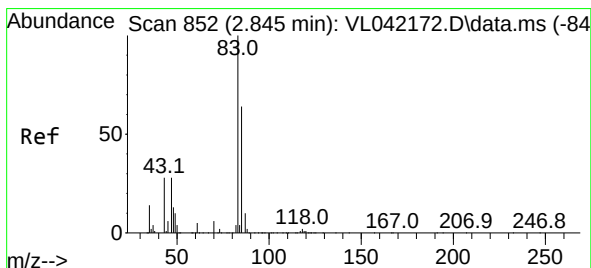
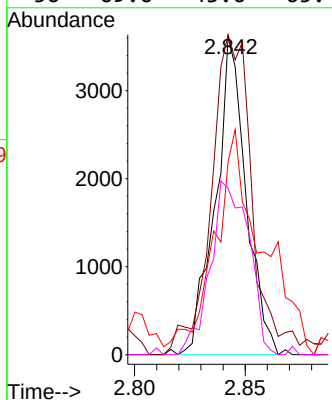
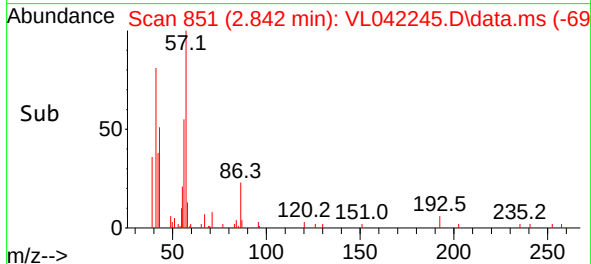
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025



Tgt Ion: 57 Resp: 3470
Ion Ratio Lower Upper
57 100
41 138.7 76.6 114.8
43 107.4 207.8 311.8
56 69.6 43.6 65.4

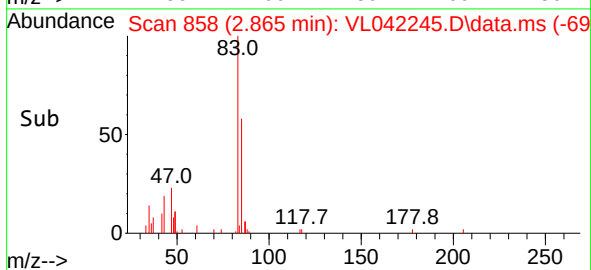
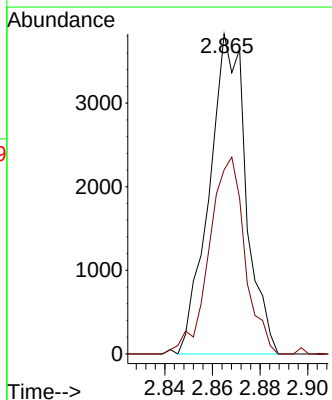
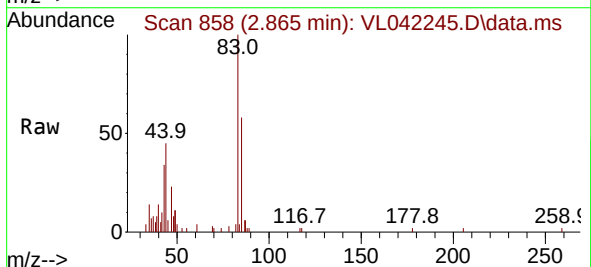
Manual Integrations
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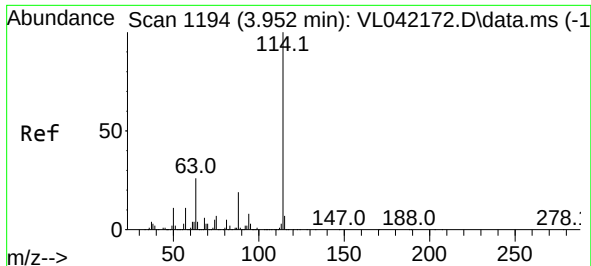
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#29
Chloroform
Concen: 0.105 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 83 Resp: 4102
Ion Ratio Lower Upper
83 100
85 57.6 51.4 77.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 1194

Delta R.T. 0.036 min

Lab File: VL042245.D

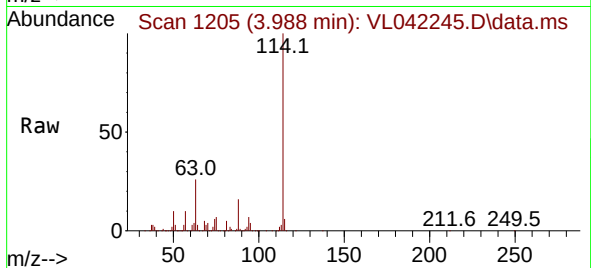
Acq: 07 Apr 2025 22:40

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B14-3-04012025



Tgt Ion:114 Resp: 493918

Ion Ratio Lower Upper

114 100

63 26.3 20.7 31.1

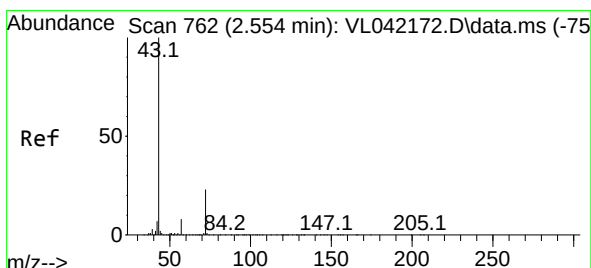
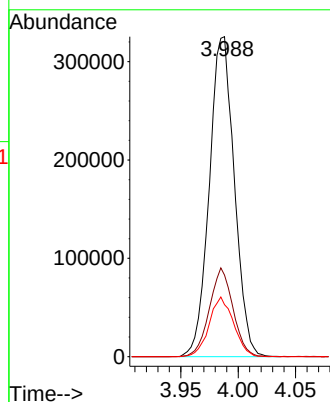
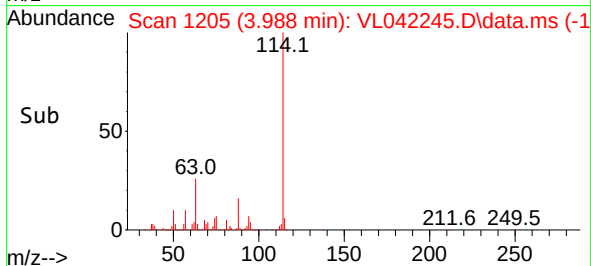
88 18.2 15.0 22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#34

2-Butanone

Concen: 0.358 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.023 min

Lab File: VL042245.D

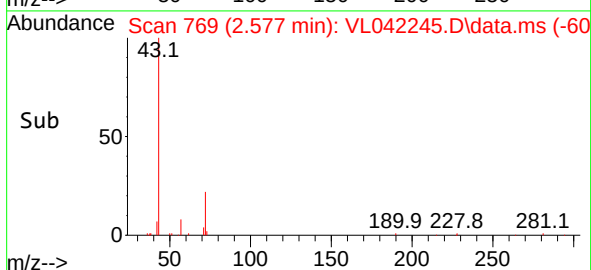
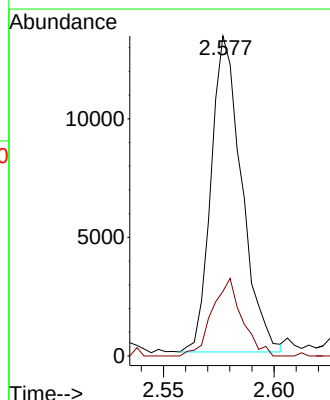
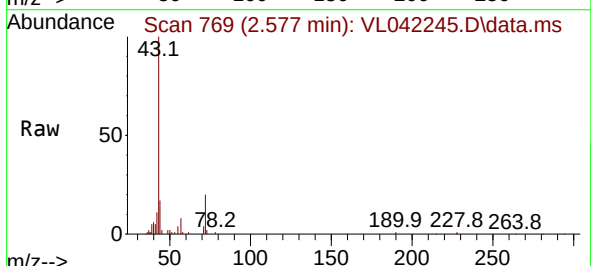
Acq: 07 Apr 2025 22:40

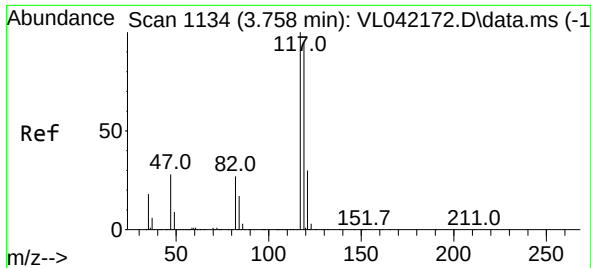
Tgt Ion: 43 Resp: 12837

Ion Ratio Lower Upper

43 100

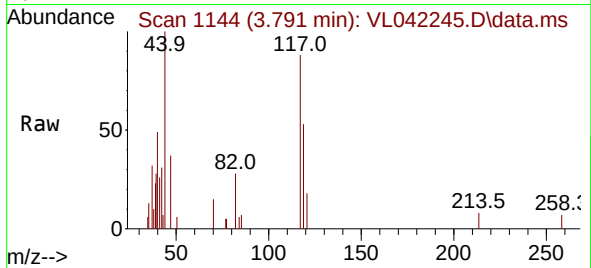
72 24.0 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 3.791 min Scan# 1134
Delta R.T. 0.032 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

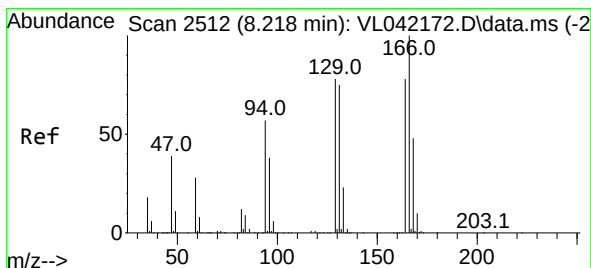
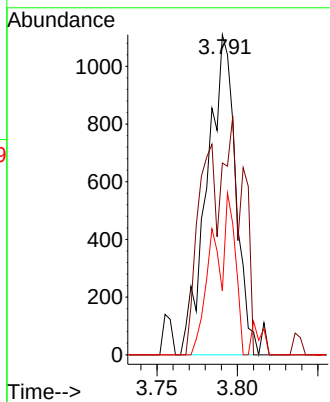
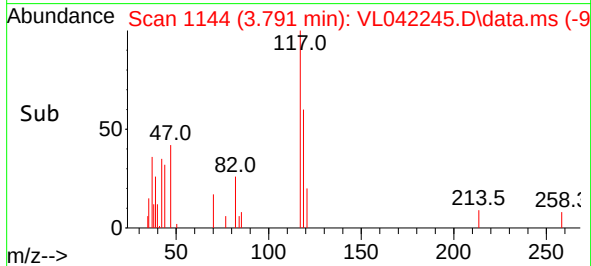
Instrument : MSVOA_L
ClientSampleId : SSSG-B14-3-04012025



Tgt Ion:117 Resp: 1389
Ion Ratio Lower Upper
117 100
119 59.9 76.2 114.2
121 19.9 24.2 36.4

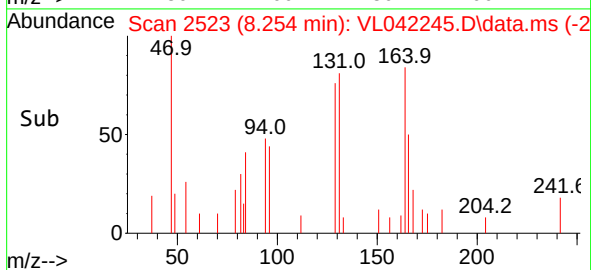
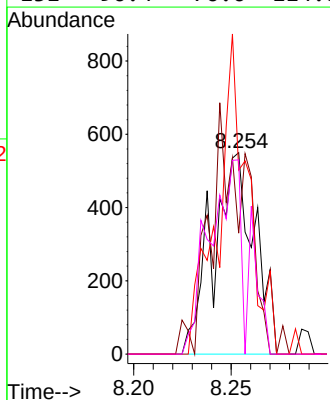
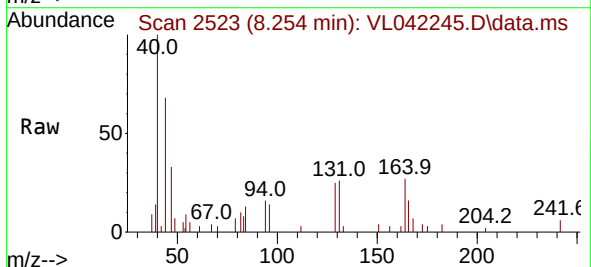
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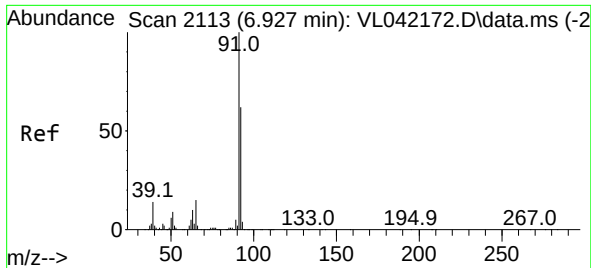
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#52
Tetrachloroethene
Concen: 0.042 ppbv m
RT: 8.254 min Scan# 2523
Delta R.T. 0.036 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:164 Resp: 816
Ion Ratio Lower Upper
164 100
166 60.0 102.5 153.7#
129 91.3 79.8 119.8
131 96.4 76.6 114.8





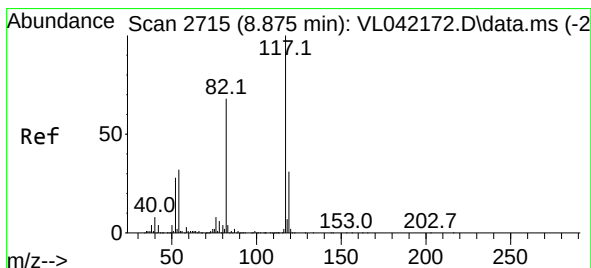
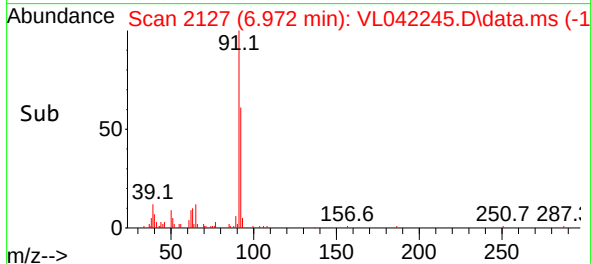
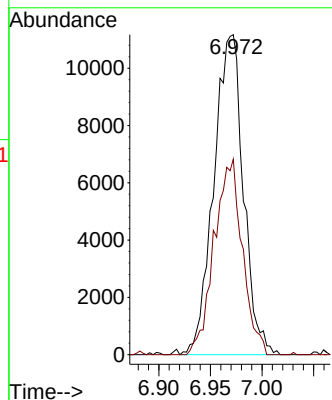
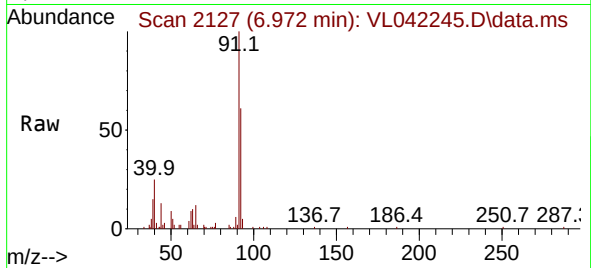
#53
Toluene
Concen: 0.384 ppbv
RT: 6.972 min Scan# 2113
Delta R.T. 0.045 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 91 Resp: 2231
Ion Ratio Lower Upper
91 100
92 57.9 48.4 72.6

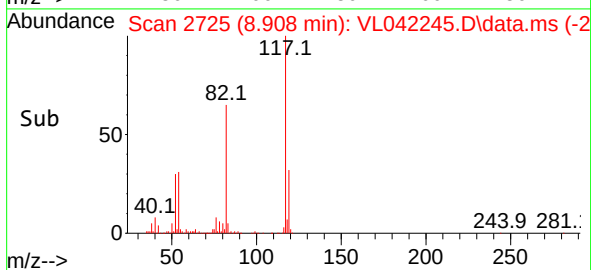
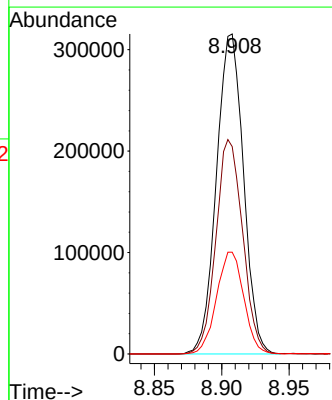
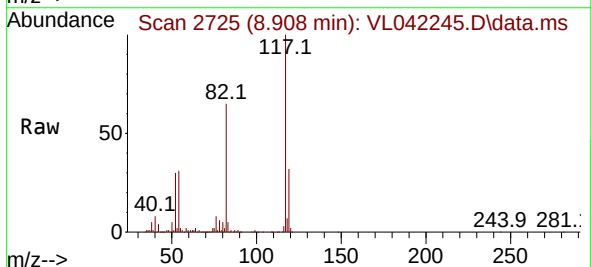
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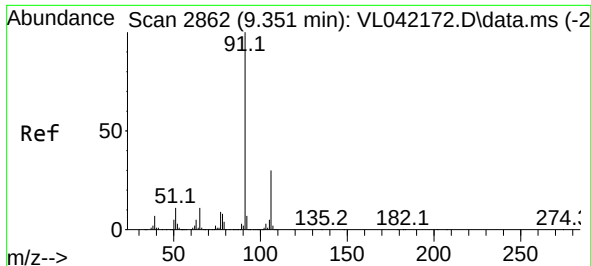
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:117 Resp: 441320
Ion Ratio Lower Upper
117 100
82 66.1 55.8 83.6
119 32.1 25.5 38.3





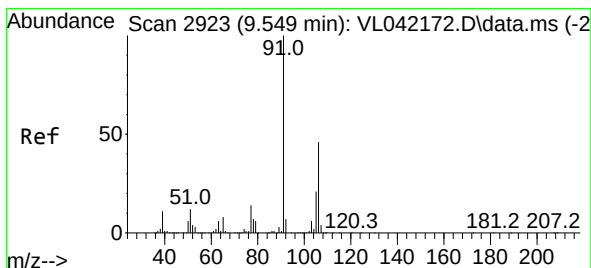
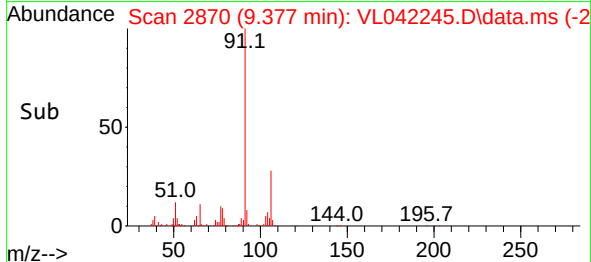
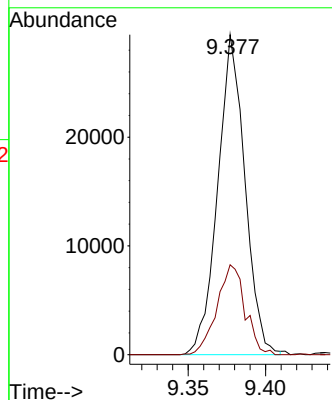
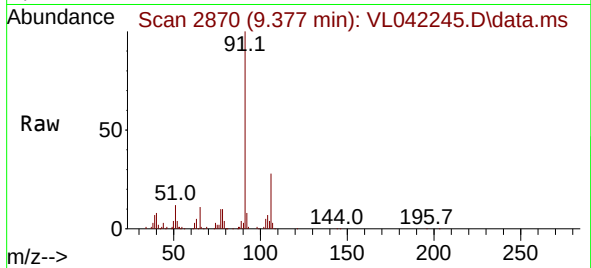
#58
Ethyl Benzene
Concen: 0.458 ppbv
RT: 9.377 min Scan# 2862
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument : MSVOA_L
ClientSampleId : SSSG-B14-3-04012025

Tgt Ion: 91 Resp: 35929
Ion Ratio Lower Upper
91 100
106 28.1 24.2 36.2

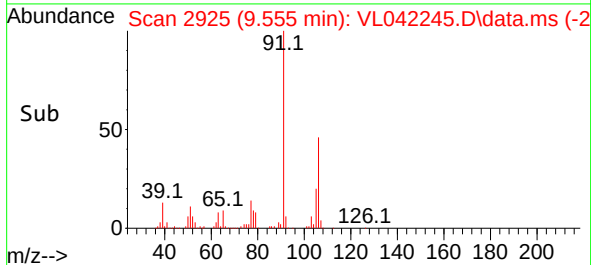
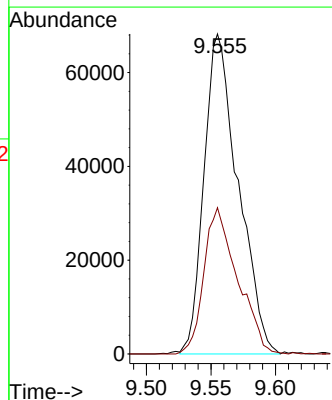
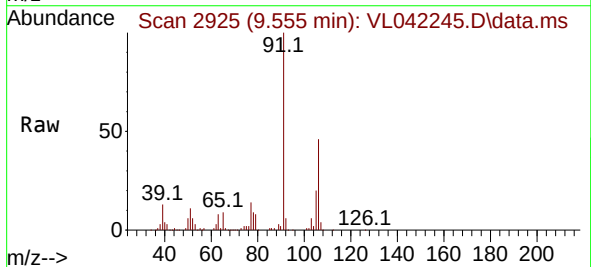
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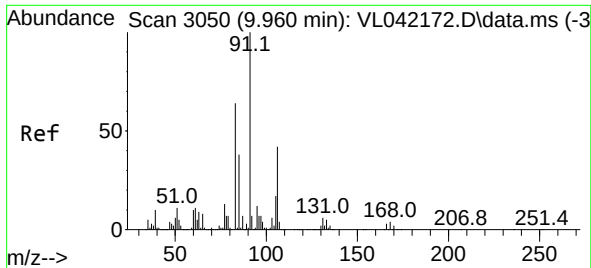
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#59
m/p-Xylene
Concen: 2.006 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.007 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

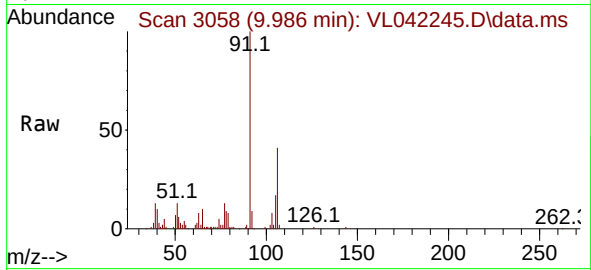
Tgt Ion: 91 Resp: 125540
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6





#60
o-Xylene
Concen: 0.413 ppbv
RT: 9.986 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

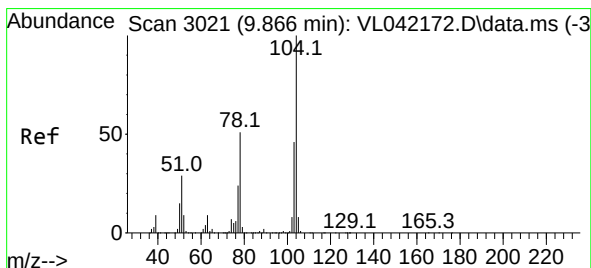
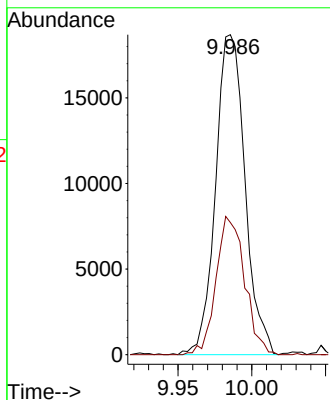
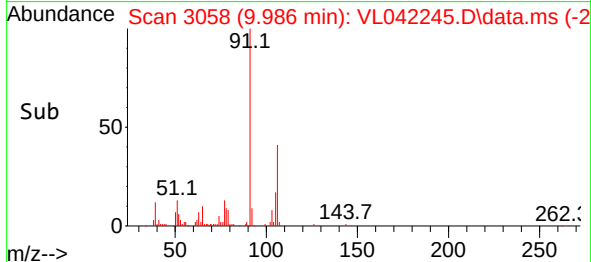
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025



Tgt Ion: 91 Resp: 2593
Ion Ratio Lower Upper
91 100
106 41.9 20.8 62.5

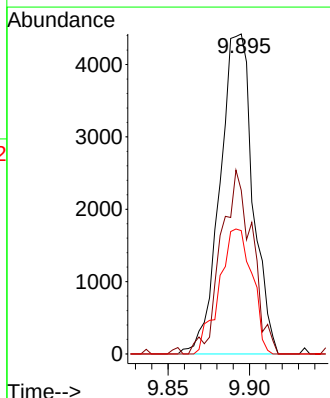
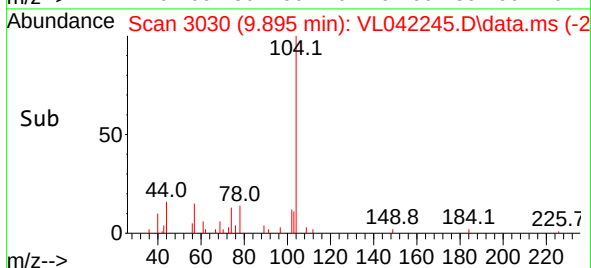
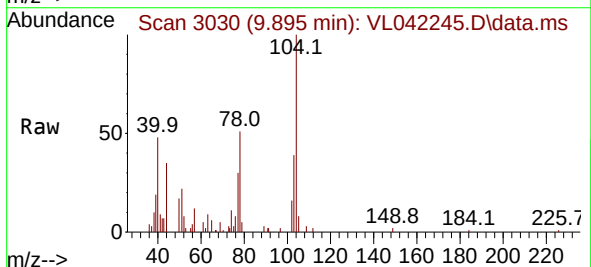
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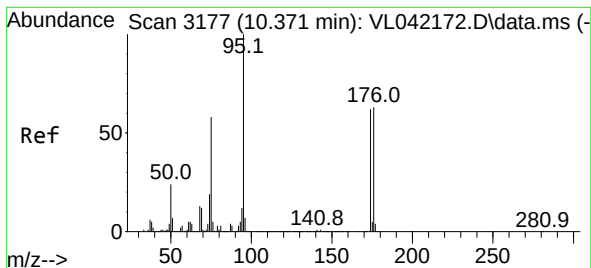
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#61
Styrene
Concen: 0.200 ppbv
RT: 9.895 min Scan# 3030
Delta R.T. 0.029 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

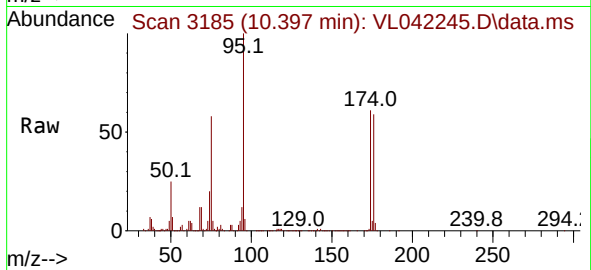
Tgt Ion:104 Resp: 6211
Ion Ratio Lower Upper
104 100
78 55.5 41.8 62.6
103 38.8 37.0 55.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.853 ppbv
 RT: 10.397 min Scan# 3177
 Delta R.T. 0.026 min
 Lab File: VL042245.D
 Acq: 07 Apr 2025 22:40

Instrument : MSVOA_L
 ClientSampleId : SSSG-B14-3-04012025



Tgt Ion: 95 Resp: 357099
 Ion Ratio Lower Upper
 95 100
 174 61.9 50.6 76.0
 175 4.6 3.8 5.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

