

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
 Data File : VL041832.D
 Acq On : 03 Jan 2025 17:25
 Operator : SY/MD
 Sample : P5395-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Jan 03 17:47:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/06/2025
 Supervised By : Mahesh Dadoda 01/06/2025

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

Internal Standards						
1) Bromochloromethane	2.803	49	83560	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	203898	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.904	117	178759	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	145121	9.742	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	5323	0.358	ppbv	98
3) Chlorodifluoromethane	1.483	51	3774m	0.277	ppbv	
4) Chloromethane	1.538	50	4114	0.707	ppbv #	87
9) Propene	1.492	41	9149	1.549	ppbv	91
11) Trichlorofluoromethane	1.887	101	3155	0.200	ppbv	96
15) Acetone	1.855	43	139145m	8.558	ppbv	
20) Methylene Chloride	2.072	84	1796	0.387	ppbv #	75
26) Hexane	2.839	57	2294	0.200	ppbv #	30
29) Chloroform	2.865	83	2681	0.153	ppbv #	81
36) Benzene	3.677	78	9545	0.453	ppbv	92
44) 2,2,4-Trimethylpentane	4.671	57	4678m	0.130	ppbv	
52) Tetrachloroethene	8.241	164	379m	0.048	ppbv	
53) Toluene	6.962	91	9598	0.401	ppbv	93
59) m/p-Xylene	9.548	91	4899m	0.189	ppbv	

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

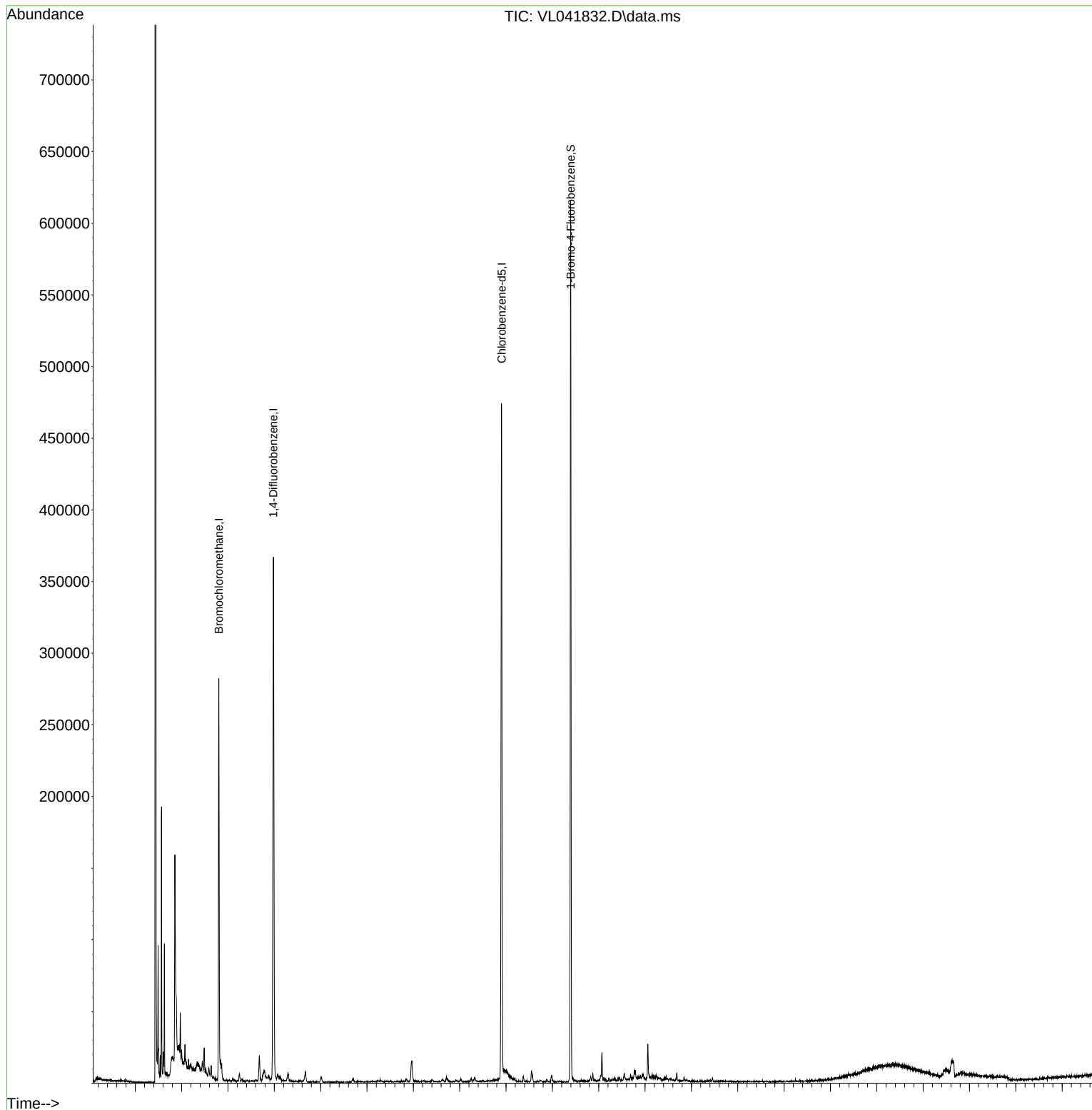
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
Data File : VL041832.D
Acq On : 03 Jan 2025 17:25
Operator : SY/MD
Sample : P5395-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

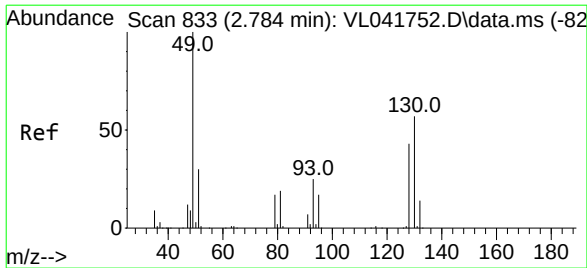
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 03 17:47:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

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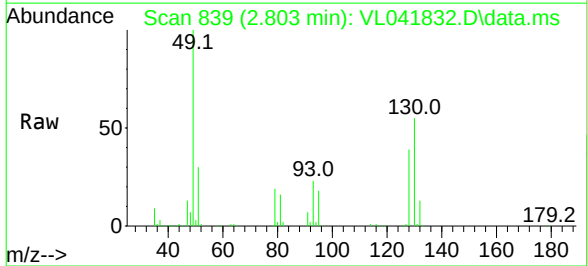
Reviewed By : Semsettin Yesilyurt 01/06/2025
Supervised By : Mahesh Dadoda 01/06/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 833
Delta R.T. 0.019 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

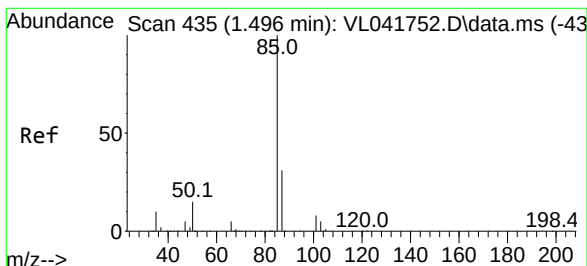
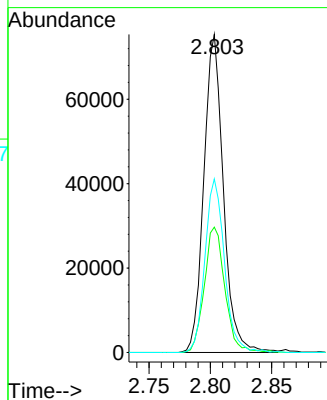
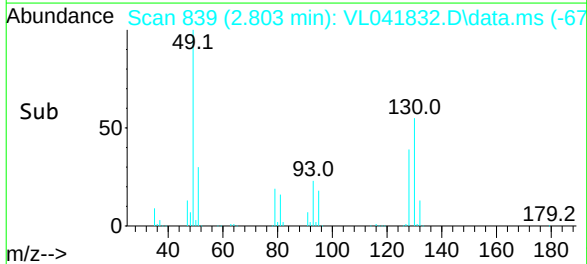
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 83560
Ion Ratio Lower Upper
49 100
128 41.6 21.6 64.6
130 54.7 28.3 85.0

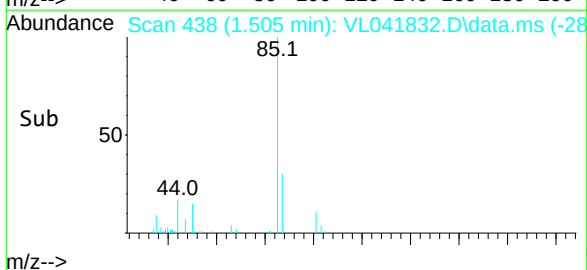
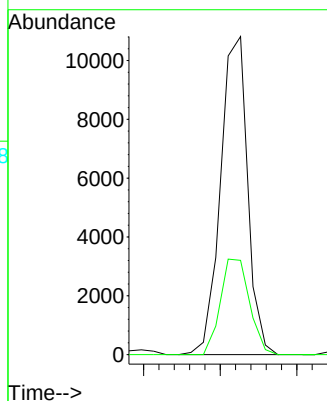
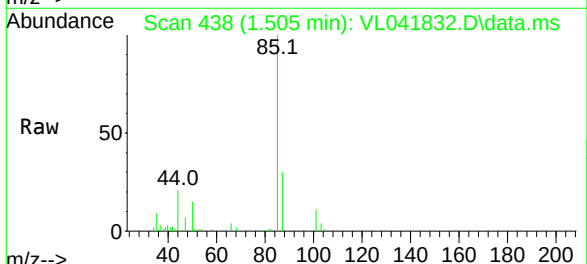
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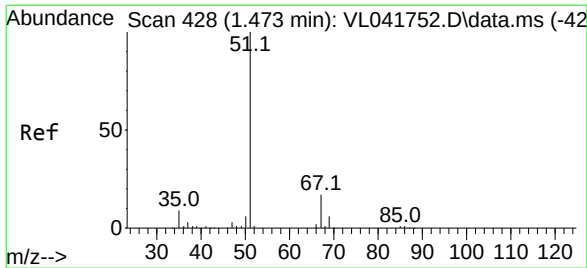
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#2
Dichlorodifluoromethane
Concen: 0.358 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

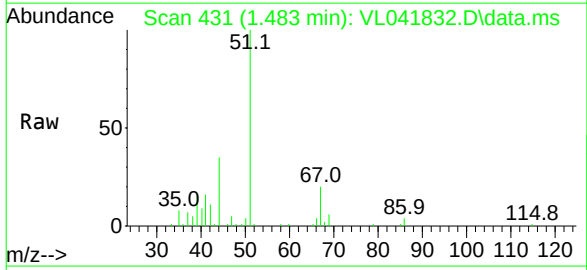
Tgt Ion: 85 Resp: 5323
Ion Ratio Lower Upper
85 100
87 29.6 24.5 36.7





#3
Chlorodifluoromethane
Concen: 0.277 ppbv m
RT: 1.483 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

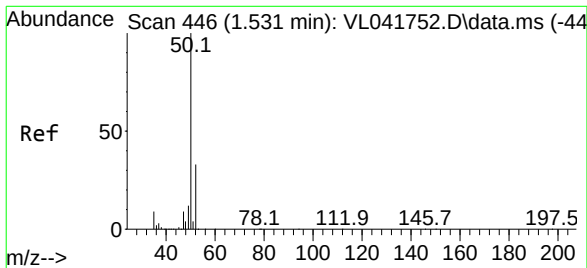
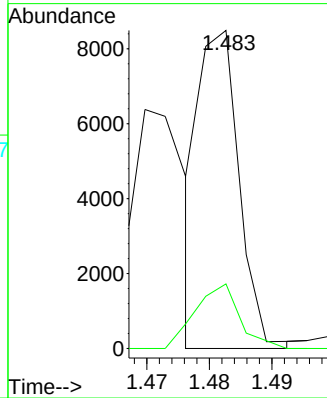
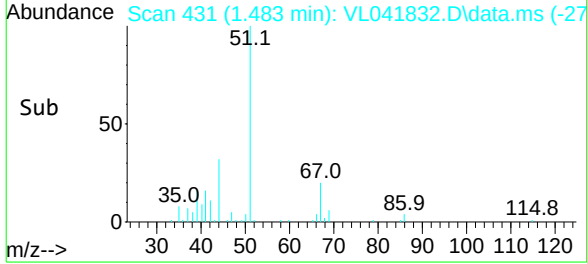
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 3774
Ion Ratio Lower Upper
51 100
67 2.2 15.0 22.4#

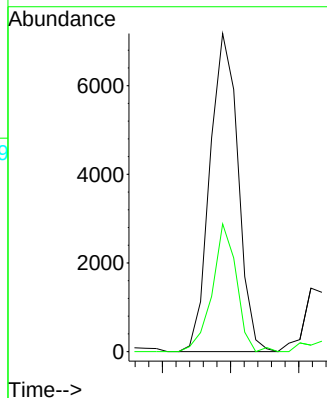
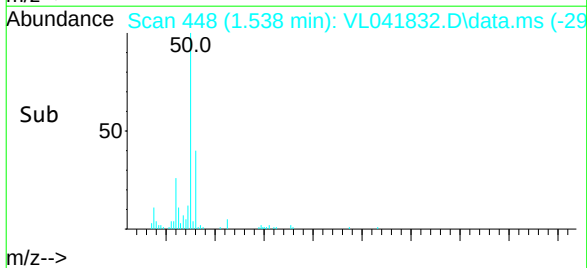
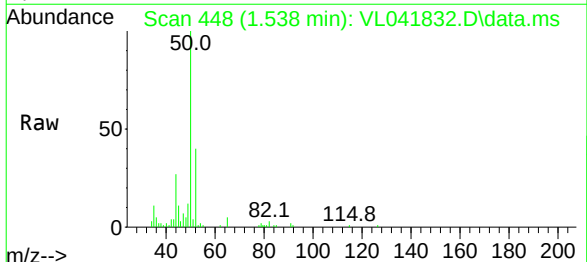
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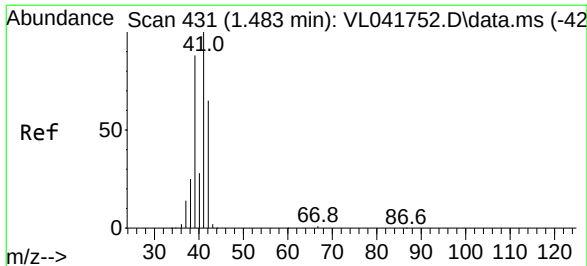
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#4
Chloromethane
Concen: 0.707 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

Tgt Ion: 50 Resp: 4114
Ion Ratio Lower Upper
50 100
52 40.2 26.2 39.2#





#9

Propene

Concen: 1.549 ppbv

RT: 1.492 min Scan# 431

Delta R.T. 0.009 min

Lab File: VL041832.D

Acq: 03 Jan 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 9149

Ion Ratio Lower Upper

41 100

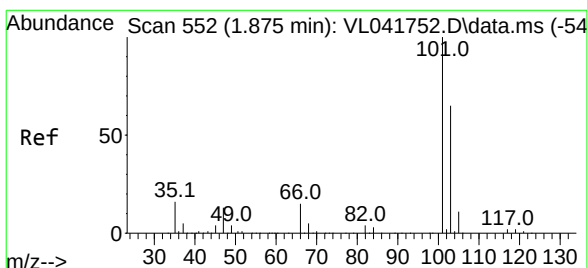
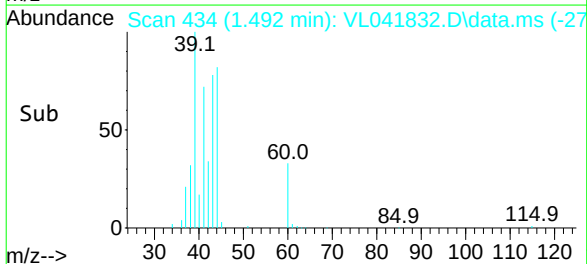
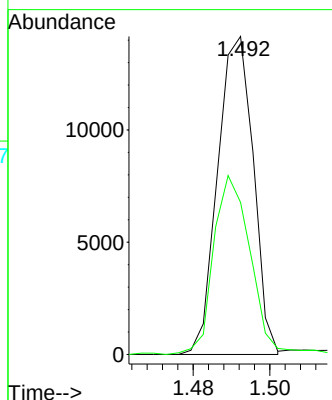
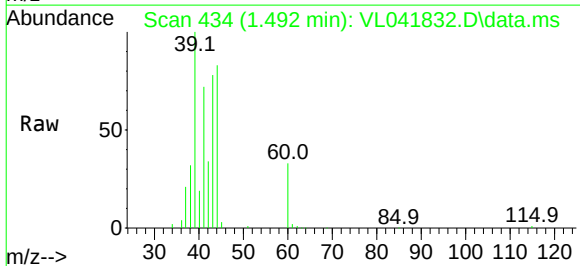
42 58.7 52.4 78.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#11

Trichlorofluoromethane

Concen: 0.200 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.013 min

Lab File: VL041832.D

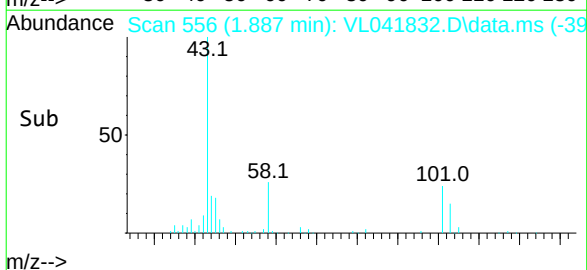
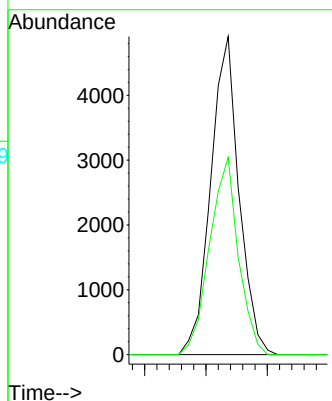
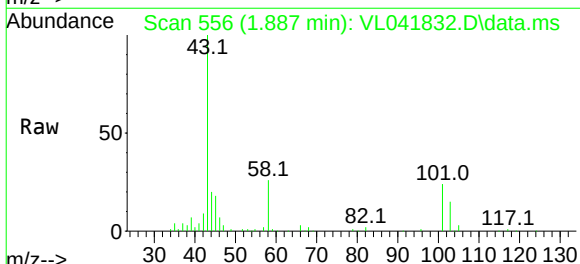
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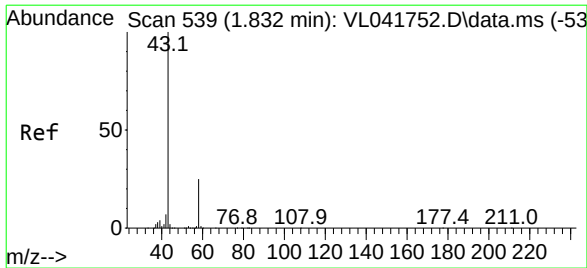
Tgt Ion:101 Resp: 3155

Ion Ratio Lower Upper

101 100

103 62.0 51.8 77.8





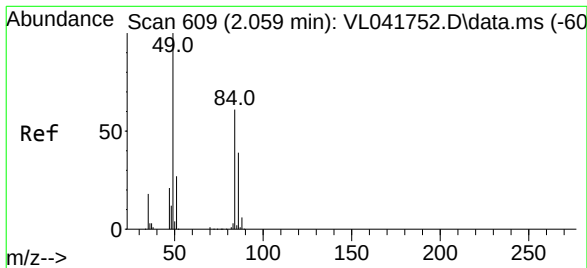
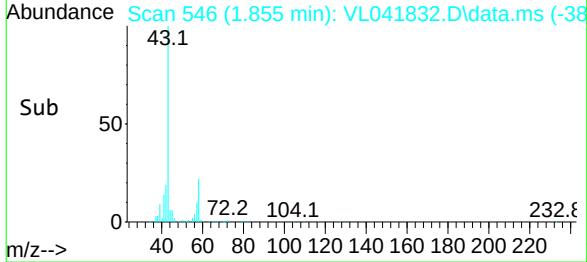
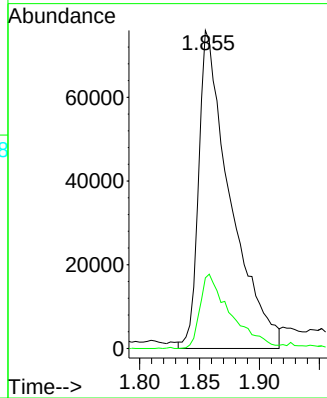
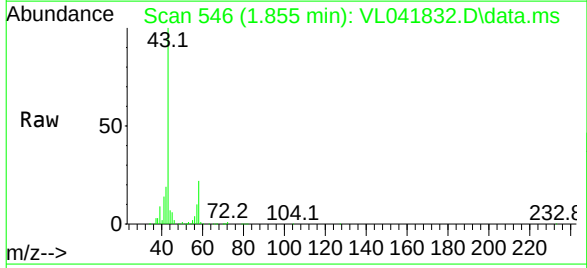
#15
Acetone
Concen: 8.558 ppbv m
RT: 1.855 min Scan# 541
Delta R.T. 0.022 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 139145
Ion Ratio Lower Upper
43 100
58 23.4 19.7 29.5

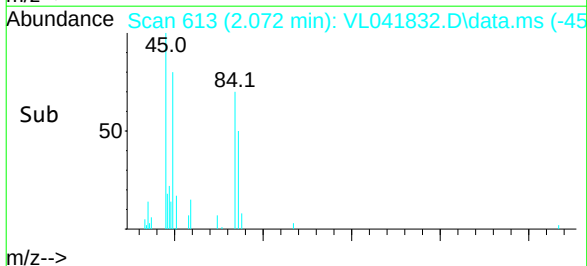
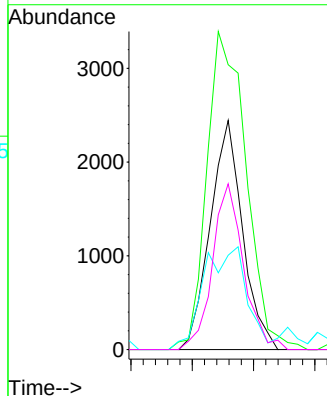
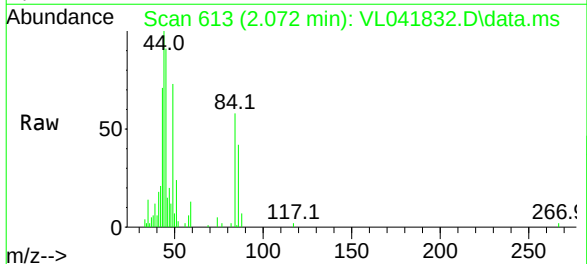
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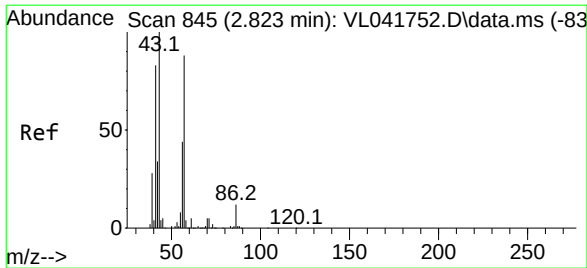
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#20
Methylene Chloride
Concen: 0.387 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

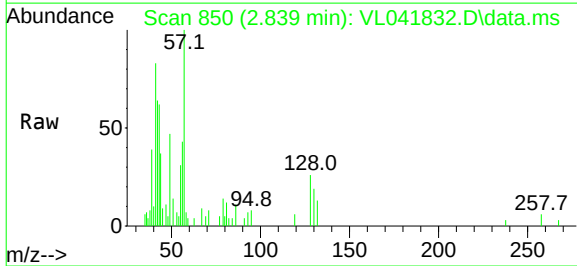
Tgt Ion: 84 Resp: 1796
Ion Ratio Lower Upper
84 100
49 121.0 132.6 198.8#
51 37.6 37.6 56.4#
86 72.3 51.4 77.0





#26
Hexane
Concen: 0.200 ppbv
RT: 2.839 min Scan# 851
Delta R.T. 0.016 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

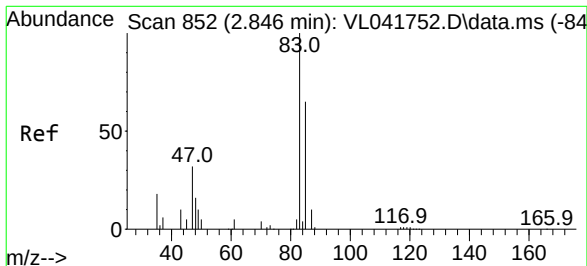
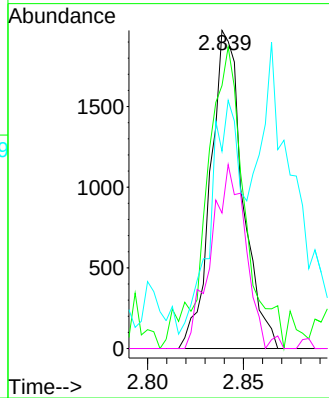
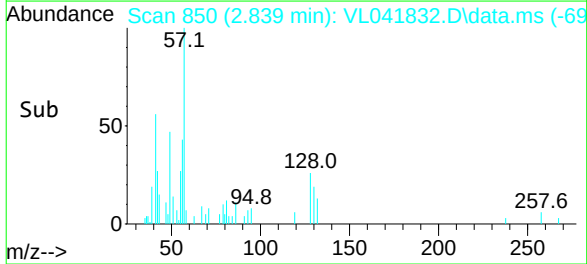
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 2294
Ion Ratio Lower Upper
57 100
41 116.8 79.6 119.4
43 80.0 211.0 316.6#
56 62.4 42.6 63.8

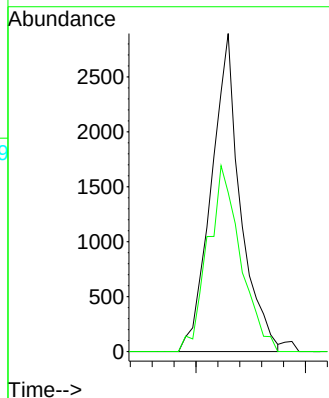
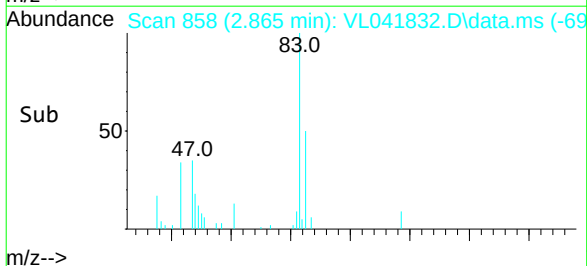
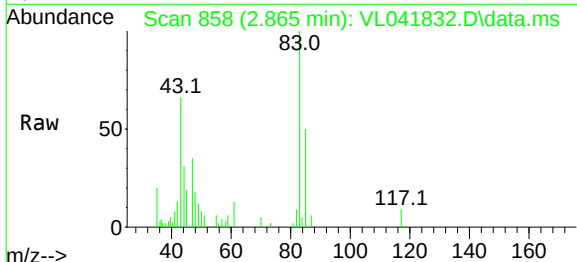
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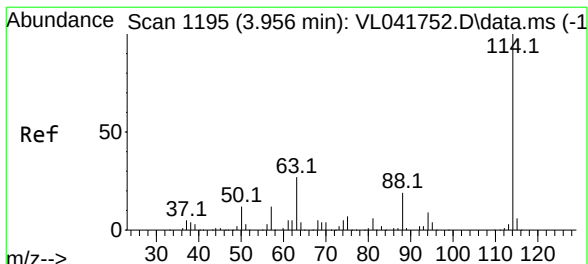
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#29
Chloroform
Concen: 0.153 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

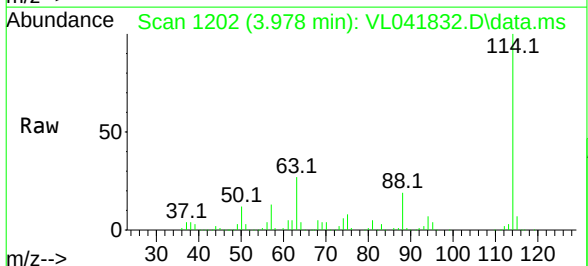
Tgt Ion: 83 Resp: 2681
Ion Ratio Lower Upper
83 100
85 50.0 51.8 77.6#





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.978 min Scan# 1202
 Delta R.T. 0.022 min
 Lab File: VL041832.D
 Acq: 03 Jan 2025 17:25

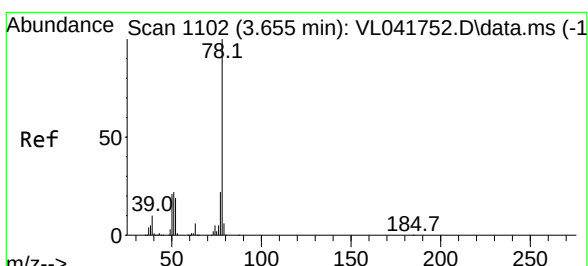
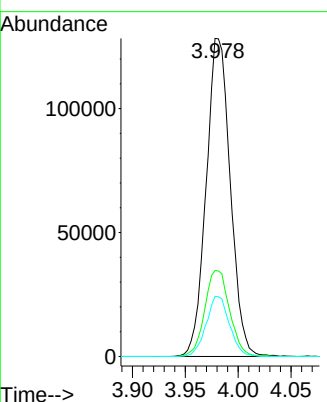
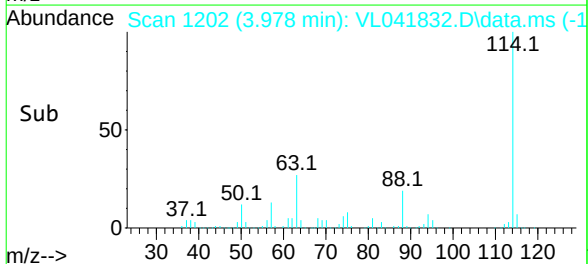
Instrument : MSVOA_L
 ClientSampleId : IA1



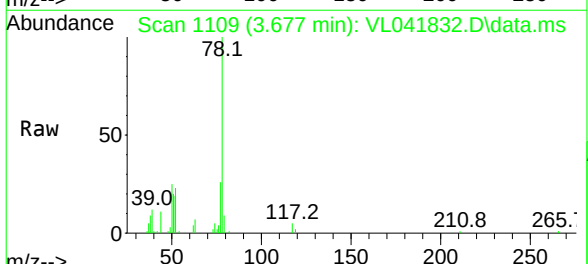
Tgt Ion: 114 Resp: 203898

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.8	32.8
88	18.2	14.8	22.2

Manual Integrations
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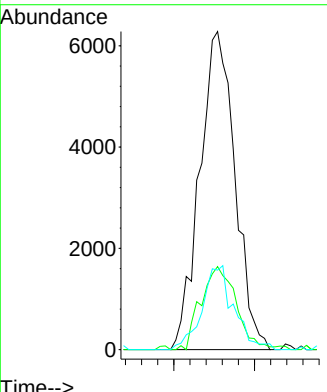
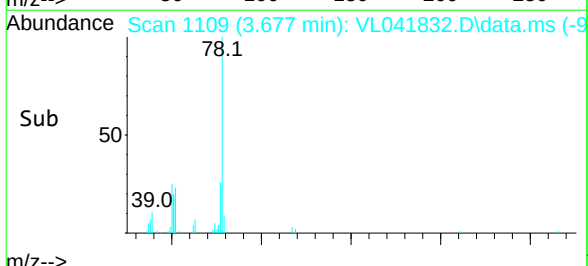


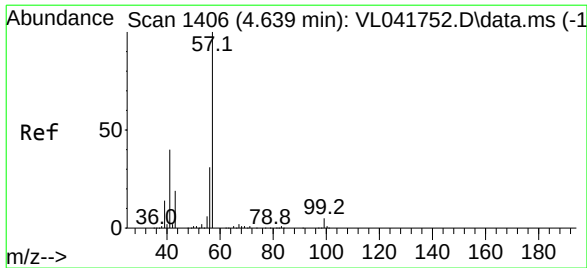
#36
 Benzene
 Concen: 0.453 ppbv
 RT: 3.677 min Scan# 1109
 Delta R.T. 0.022 min
 Lab File: VL041832.D
 Acq: 03 Jan 2025 17:25



Tgt Ion: 78 Resp: 9545

Ion	Ratio	Lower	Upper
78	100		
77	26.1	17.8	26.6
50	25.0	17.2	25.8





#44

2,2,4-Trimethylpentane

Concen: 0.130 ppbv m

RT: 4.671 min Scan# 14

Delta R.T. 0.032 min

Lab File: VL041832.D

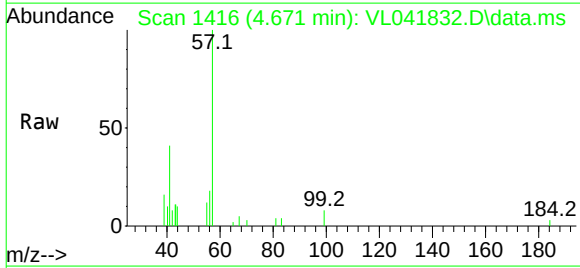
Acq: 03 Jan 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion: 57 Resp: 4678

Ion Ratio Lower Upper

57 100

41 62.9 30.7 46.1

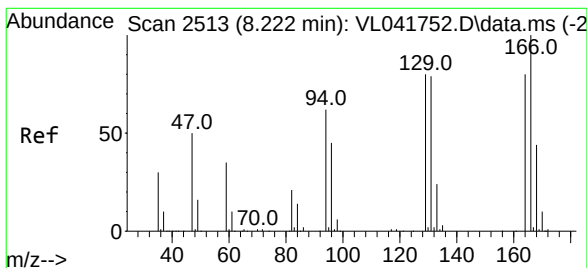
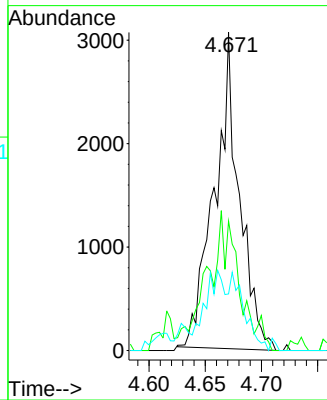
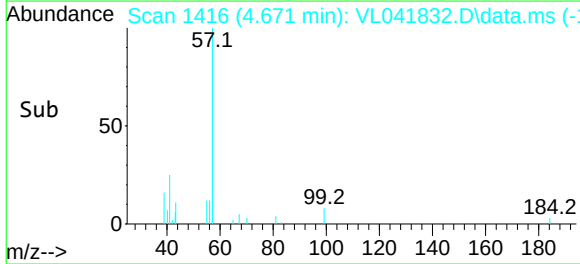
56 44.7 25.4 38.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#52

Tetrachloroethene

Concen: 0.048 ppbv m

RT: 8.241 min Scan# 2519

Delta R.T. 0.019 min

Lab File: VL041832.D

Acq: 03 Jan 2025 17:25

Tgt Ion:164 Resp: 379

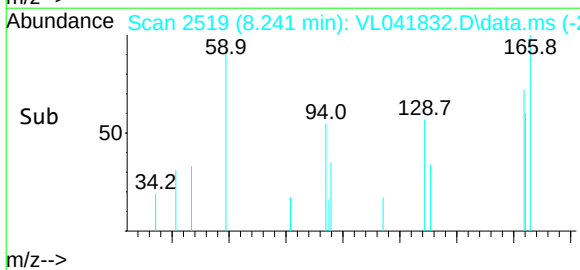
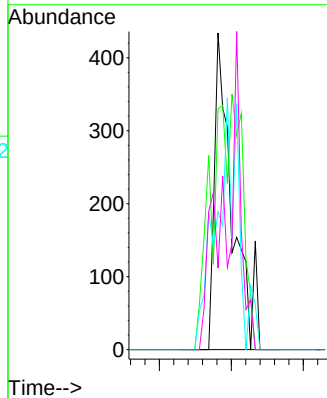
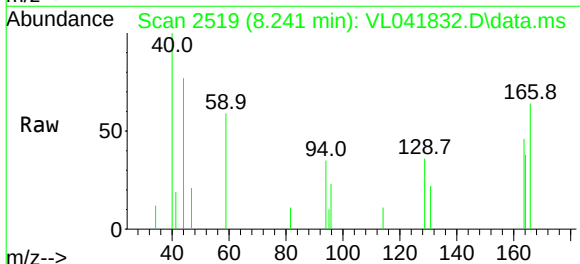
Ion Ratio Lower Upper

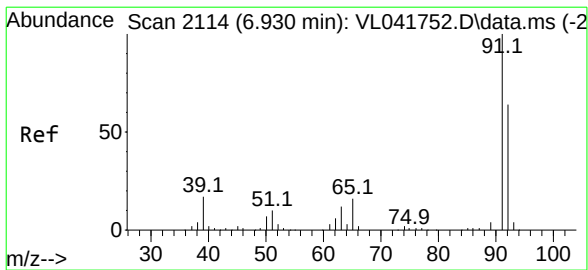
164 100

166 139.8 99.8 149.6

129 80.1 79.6 119.4

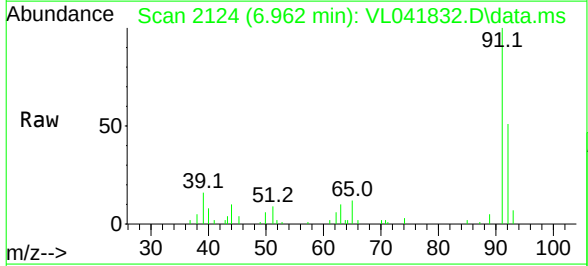
131 47.5 78.6 117.8





#53
Toluene
Concen: 0.401 ppbv
RT: 6.962 min Scan# 2114
Delta R.T. 0.032 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

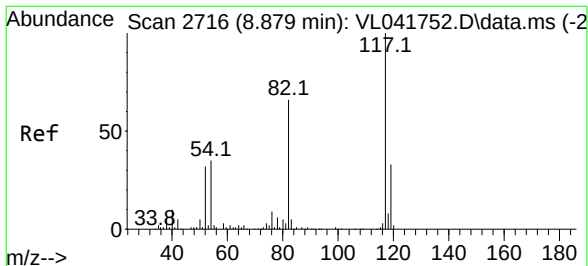
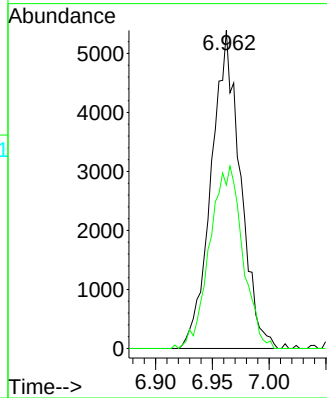
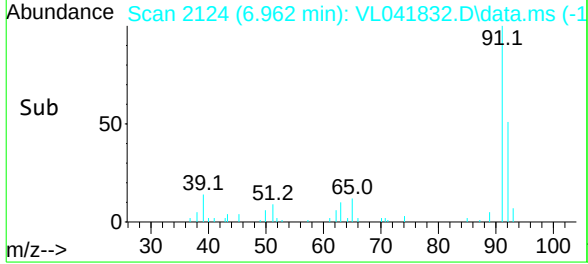
Instrument :
MSVOA_L
ClientSampleId :
IA1



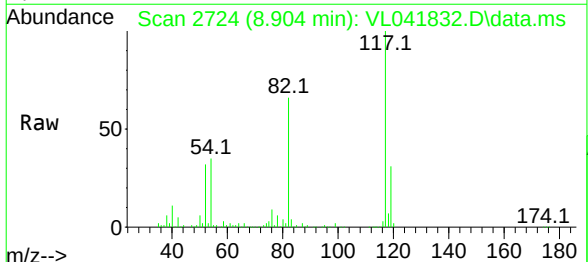
Tgt Ion: 91 Resp: 9598
Ion Ratio Lower Upper
91 100
92 64.9 47.9 71.9

Manual Integrations
APPROVED

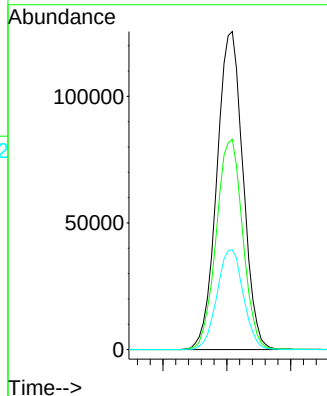
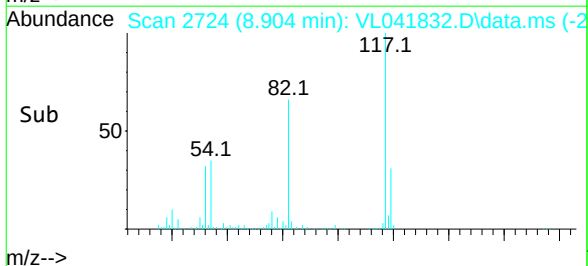
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025

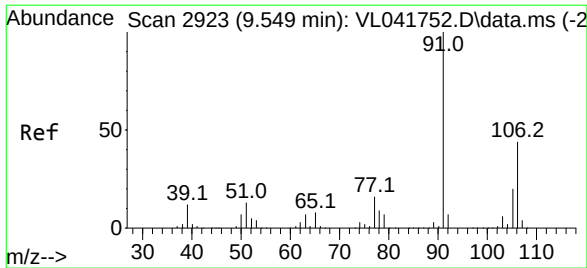


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.026 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25



Tgt Ion:117 Resp: 178759
Ion Ratio Lower Upper
117 100
82 67.0 53.8 80.8
119 31.6 26.7 40.1





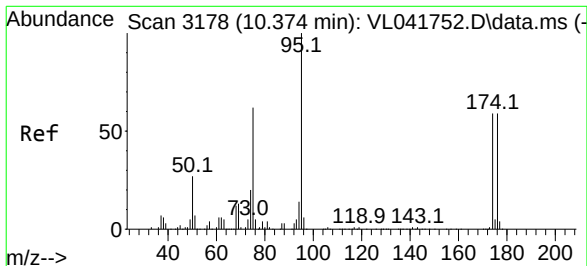
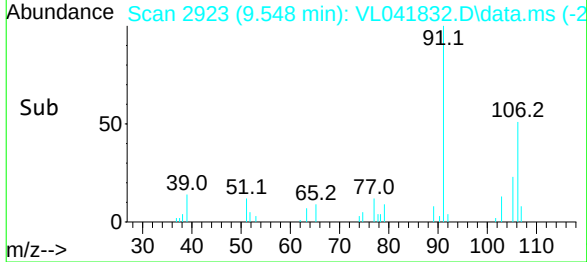
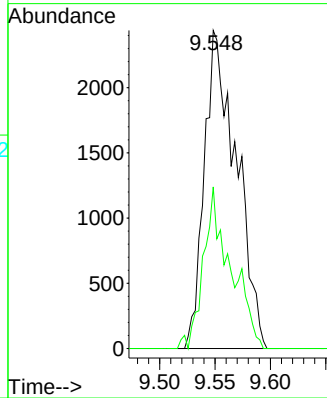
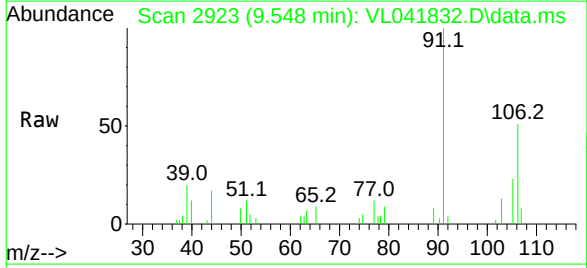
#59
m/p-Xylene
Concen: 0.189 ppbv m
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 4899
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.742 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.019 min
Lab File: VL041832.D
Acq: 03 Jan 2025 17:25

Tgt Ion: 95 Resp: 145121
Ion Ratio Lower Upper
95 100
174 58.3 47.6 71.4
175 4.5 3.7 5.5

