

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041847.D
 Acq On : 07 Jan 2025 16:59
 Operator : SY/MD
 Sample : Q1031-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 03:55:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jan 08 03:26:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	83947	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	185037	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	157066	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	129360	9.616	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	5328	0.387	ppbv	96
3) Chlorodifluoromethane	1.479	51	5658	0.430	ppbv #	85
4) Chloromethane	1.538	50	2740	0.484	ppbv	96
9) Propene	1.489	41	4659	1.017	ppbv	88
11) Trichlorofluoromethane	1.884	101	2829m	0.202	ppbv	
13) Ethanol	1.729	45	54981	91.346	ppbv	100
15) Acetone	1.842	43	33988	2.199	ppbv	95
20) Methylene Chloride	2.069	84	5712	1.293	ppbv	92
26) Hexane	2.839	57	2079	0.231	ppbv #	48
29) Chloroform	2.858	83	4282	0.256	ppbv	100
34) 2-Butanone	2.577	43	1609	0.110	ppbv	99
35) Carbon Tetrachloride	3.784	117	1009	0.072	ppbv #	72
36) Benzene	3.677	78	4280m	0.242	ppbv	
53) Toluene	6.956	91	4096m	0.260	ppbv	
59) m/p-Xylene	9.539	91	1985m	0.105	ppbv	

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

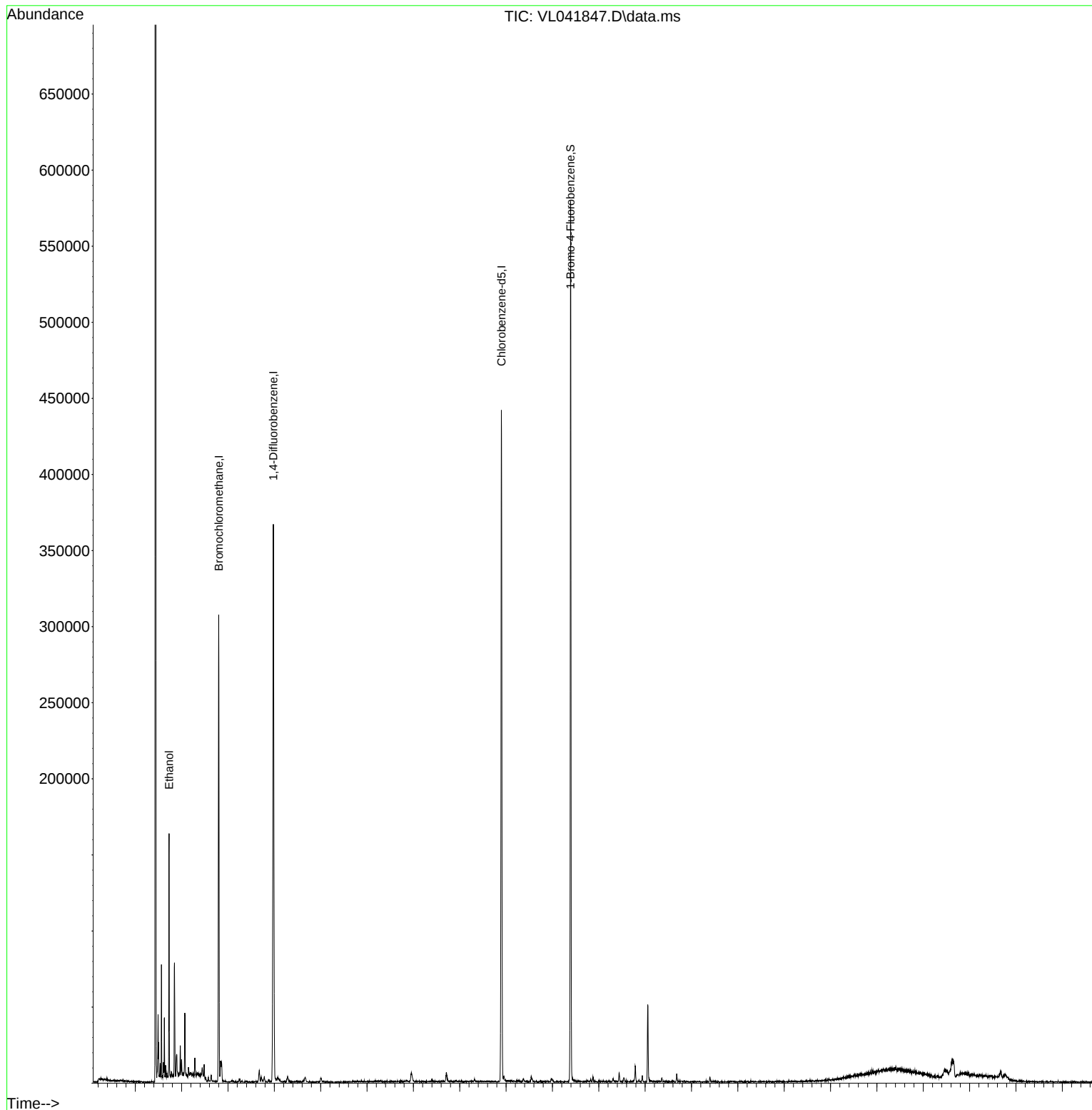
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041847.D
Acq On : 07 Jan 2025 16:59
Operator : SY/MD
Sample : Q1031-02
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ALS Vial : 1 Sample Multiplier: 1

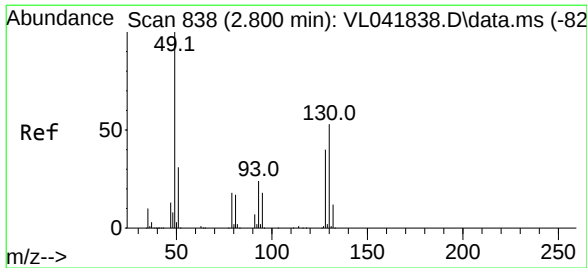
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 08 03:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

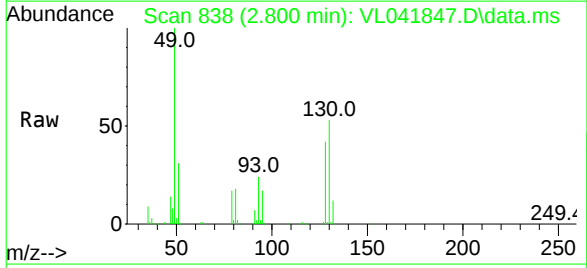
Reviewed By : Semsettin Yesilyurt 01/09/2025
Supervised By : Mahesh Dadoda 01/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

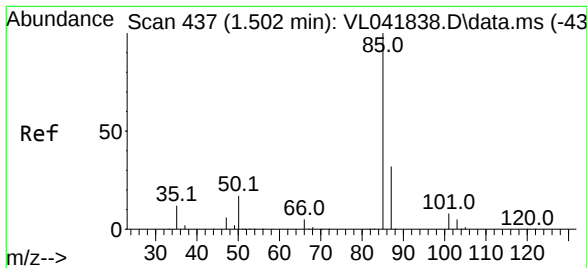
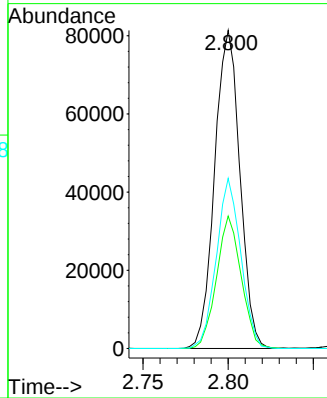
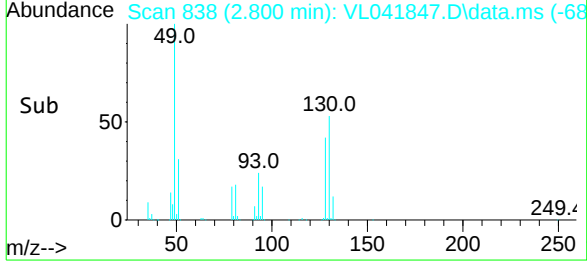
Instrument :
MSVOA_L
ClientSampleId :
IA1



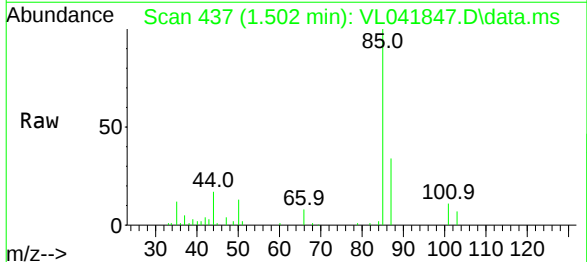
Tgt Ion: 49 Resp: 83947
Ion Ratio Lower Upper
49 100
128 40.6 19.7 59.1
130 51.8 26.4 79.2

Manual Integrations
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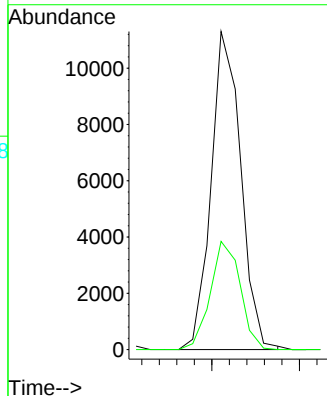
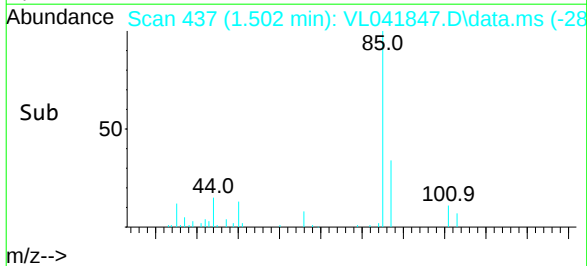
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

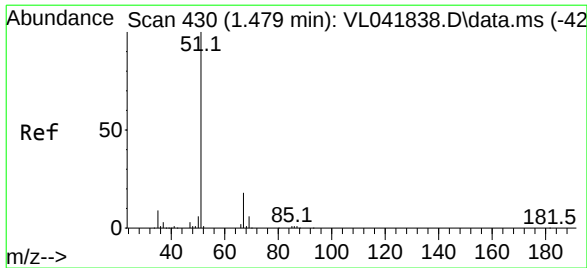


#2
Dichlorodifluoromethane
Concen: 0.387 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59



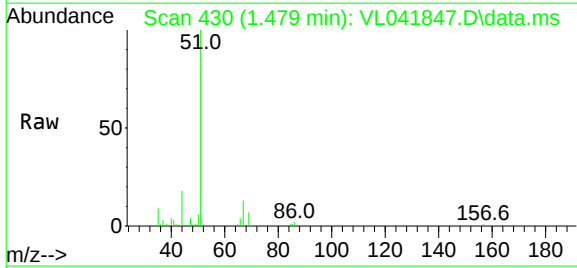
Tgt Ion: 85 Resp: 5328
Ion Ratio Lower Upper
85 100
87 34.0 25.6 38.4





#3
Chlorodifluoromethane
Concen: 0.430 ppbv
RT: 1.479 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

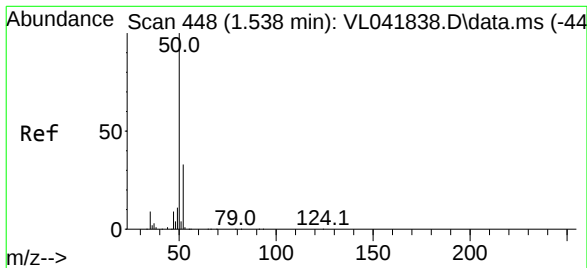
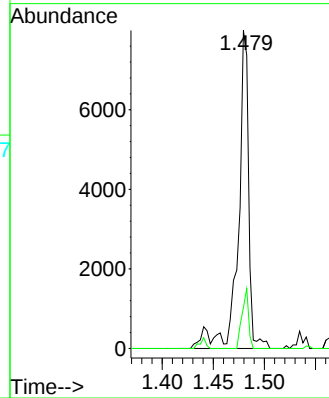
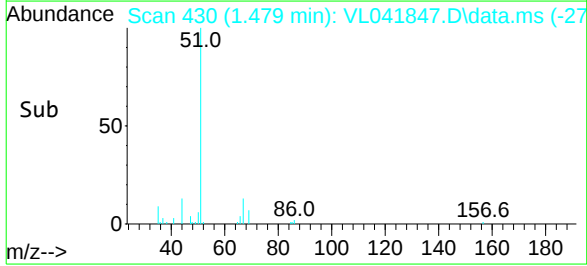
Instrument : MSVOA_L
ClientSampleId : IA1



Tgt Ion: 51 Resp: 5658
Ion Ratio Lower Upper
51 100
67 11.8 14.6 22.0

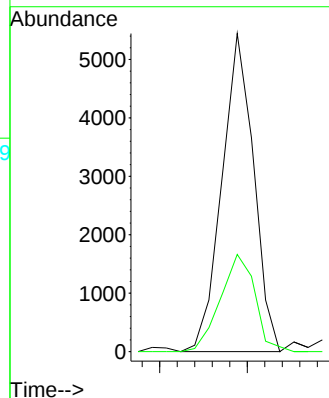
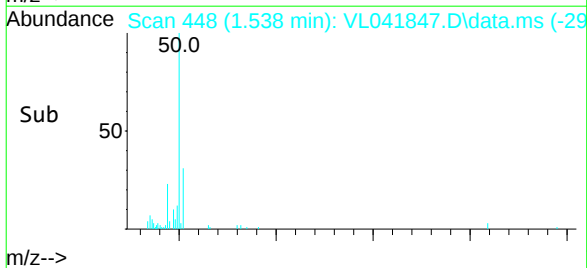
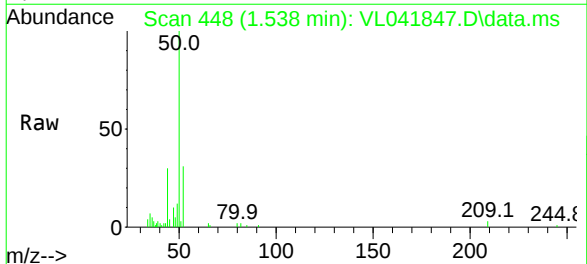
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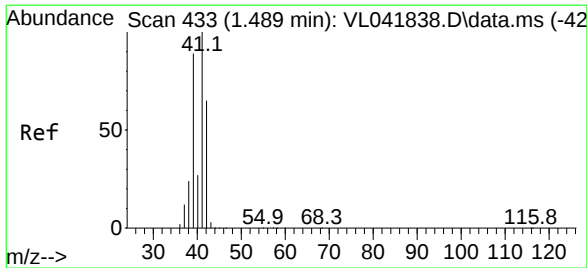
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#4
Chloromethane
Concen: 0.484 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

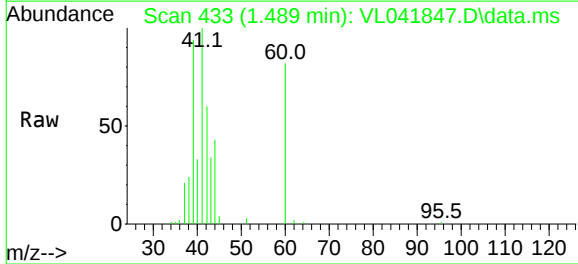
Tgt Ion: 50 Resp: 2740
Ion Ratio Lower Upper
50 100
52 30.5 26.1 39.1





#9
Propene
Concen: 1.017 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

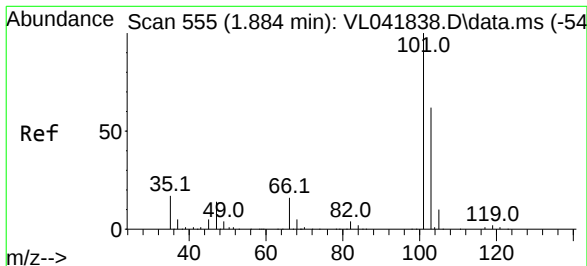
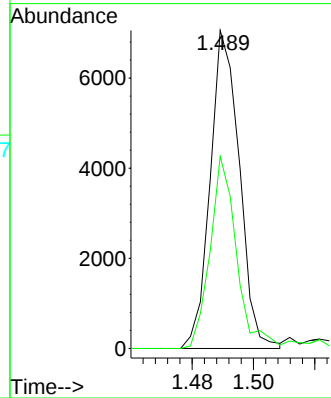
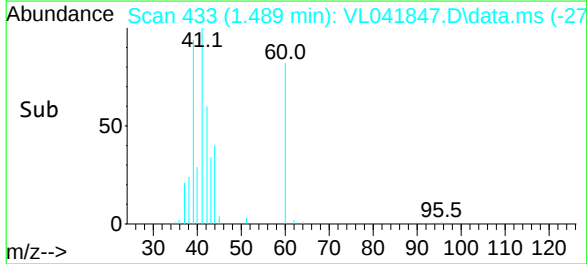
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 41 Resp: 4659
Ion Ratio Lower Upper
41 100
42 57.4 53.9 80.9

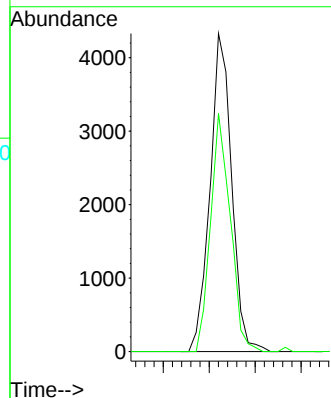
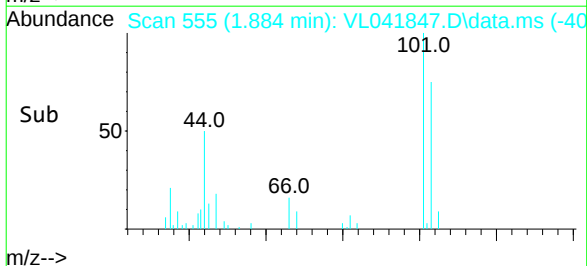
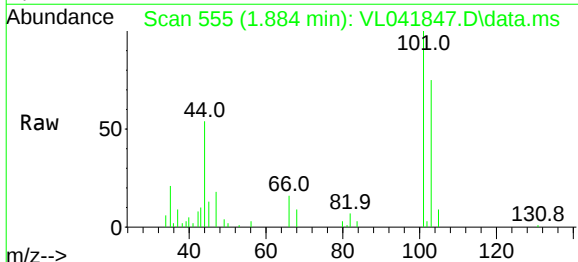
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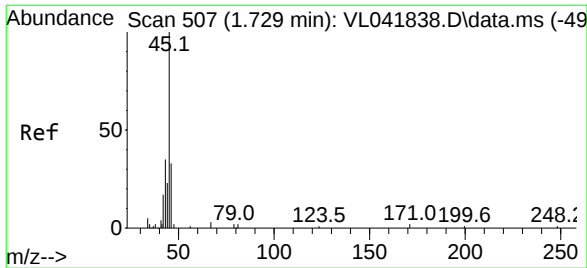
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#11
Trichlorofluoromethane
Concen: 0.202 ppbv m
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

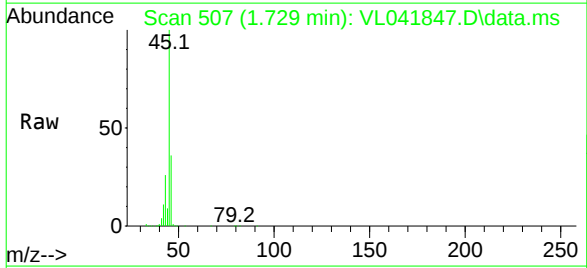
Tgt Ion:101 Resp: 2829
Ion Ratio Lower Upper
101 100
103 74.9 49.4 74.0#





#13
Ethanol
Concen: 91.346 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

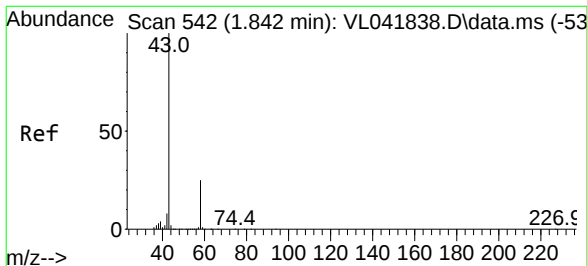
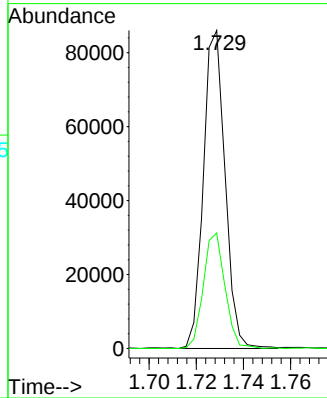
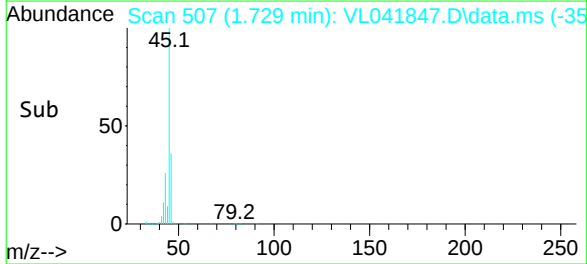
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 54981
Ion Ratio Lower Upper
45 100
46 36.5 14.6 58.2

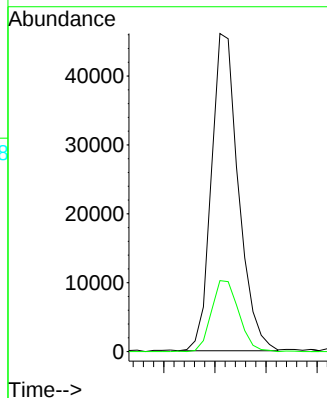
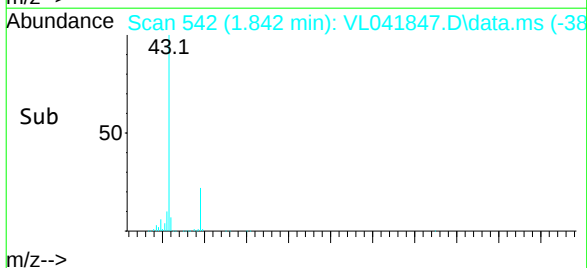
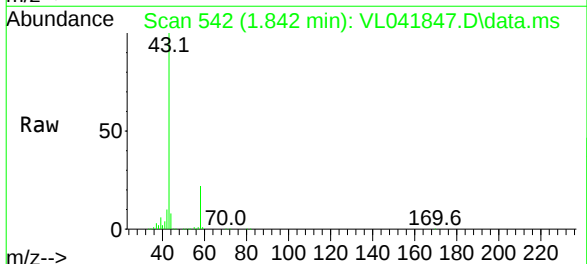
Manual Integrations
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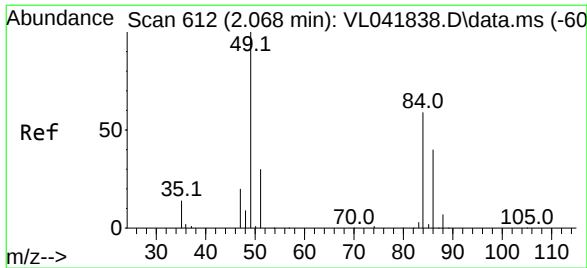
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#15
Acetone
Concen: 2.199 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

Tgt Ion: 43 Resp: 33988
Ion Ratio Lower Upper
43 100
58 22.6 20.2 30.4





#20

Methylene Chloride

Concen: 1.293 ppbv

RT: 2.069 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL041847.D

Acq: 07 Jan 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 84 Resp: 5712

Ion Ratio Lower Upper

84 100

49 187.6 137.8 206.8

51 56.4 43.9 65.9

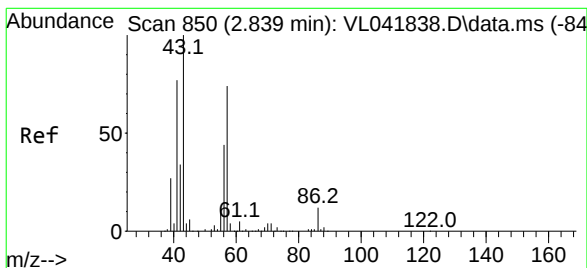
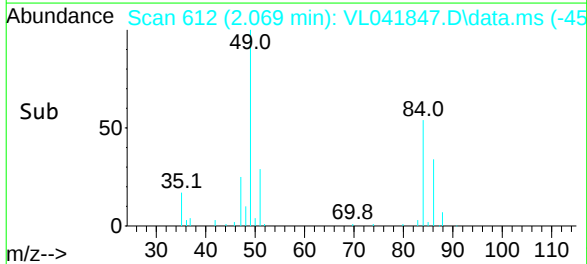
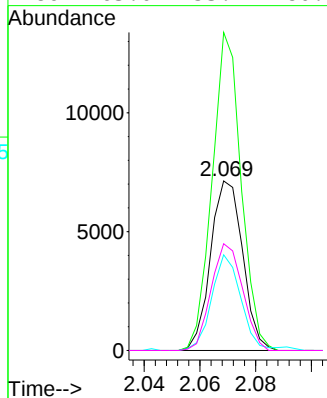
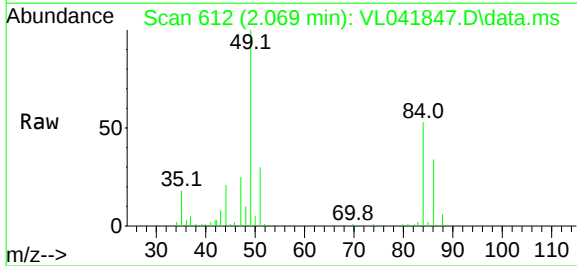
86 63.0 53.9 80.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#26

Hexane

Concen: 0.231 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.000 min

Lab File: VL041847.D

Acq: 07 Jan 2025 16:59

Tgt Ion: 57 Resp: 2079

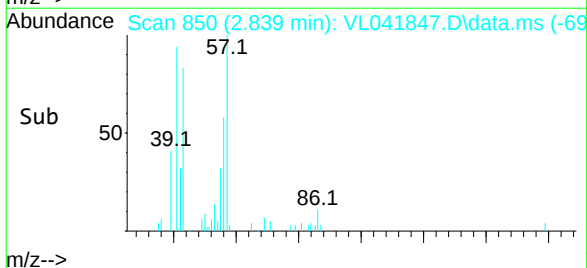
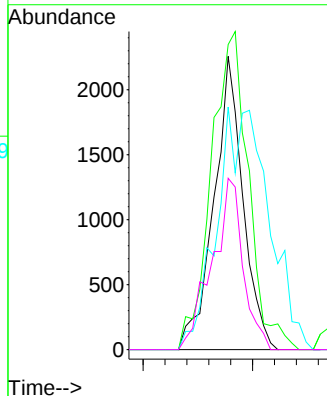
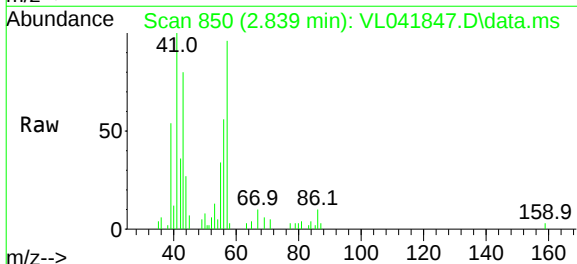
Ion Ratio Lower Upper

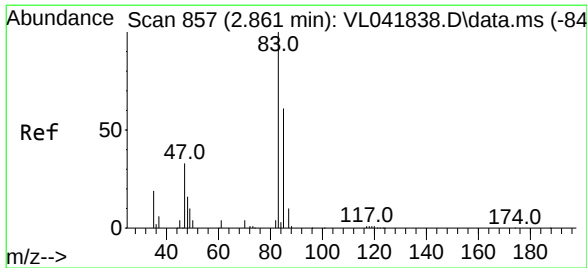
57 100

41 142.7 84.0 126.0#

43 147.7 218.4 327.6#

56 62.0 45.7 68.5





#29

Chloroform

Concen: 0.256 ppbv

RT: 2.858 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL041847.D

Acq: 07 Jan 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

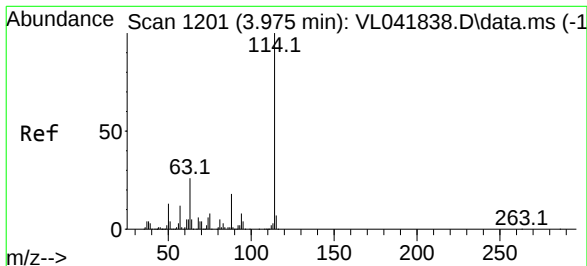
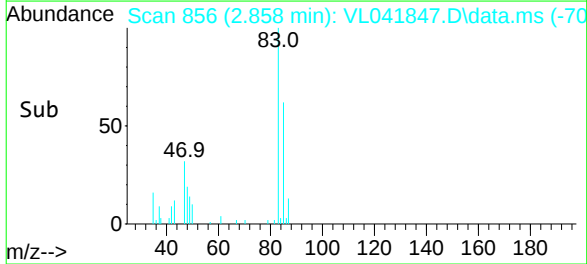
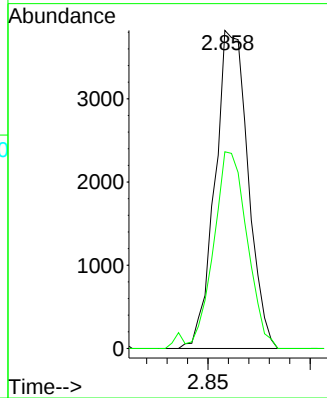
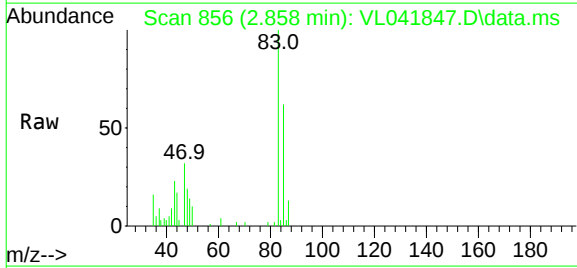
IA1

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.6	74.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/09/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

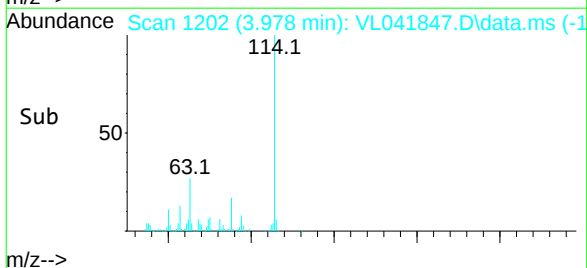
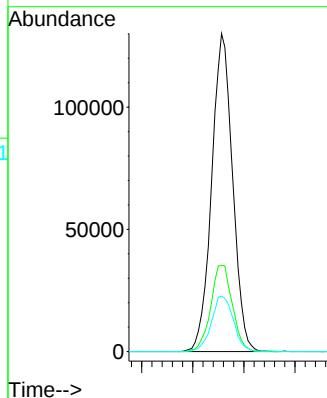
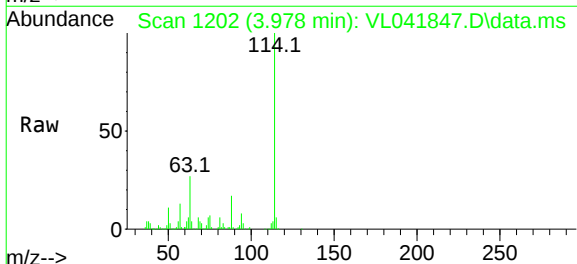
RT: 3.978 min Scan# 1202

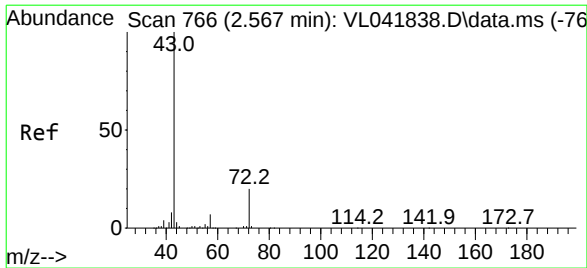
Delta R.T. 0.003 min

Lab File: VL041847.D

Acq: 07 Jan 2025 16:59

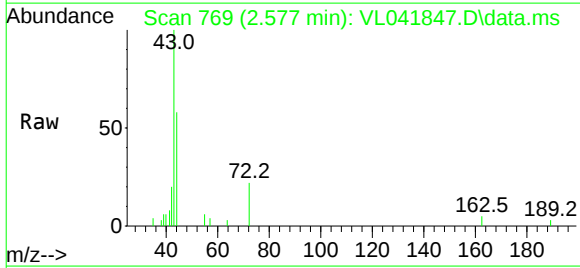
Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.3	33.5
88	18.3	14.9	22.3





#34
2-Butanone
Concen: 0.110 ppbv
RT: 2.577 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

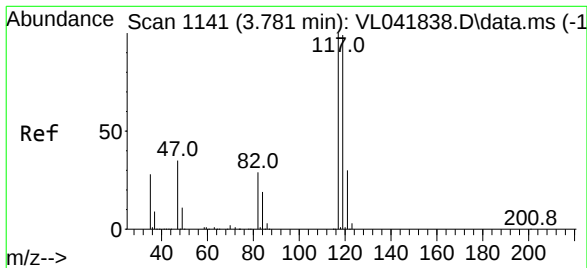
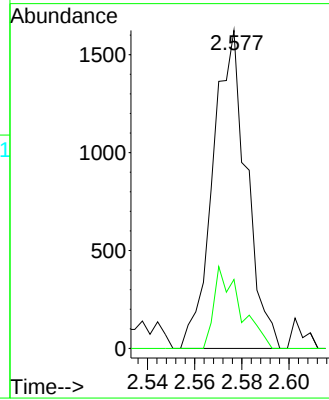
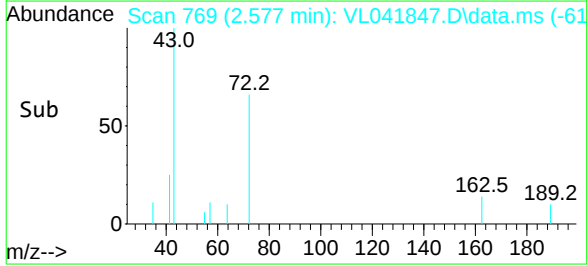
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 20.1 16.6 25.0

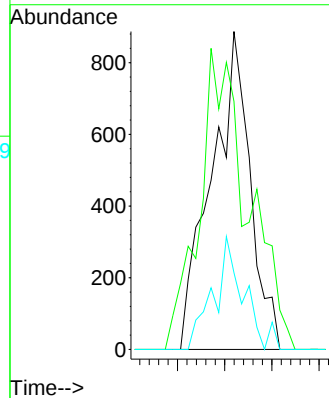
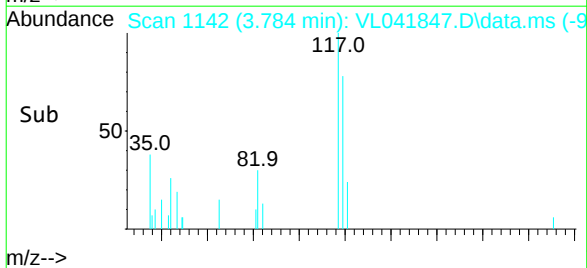
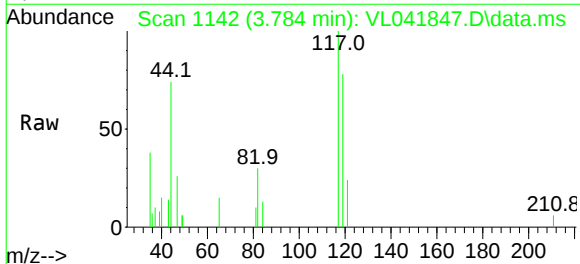
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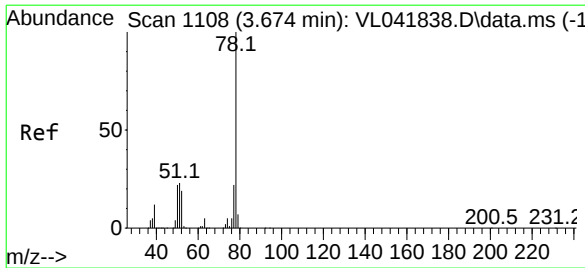
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#35
Carbon Tetrachloride
Concen: 0.072 ppbv
RT: 3.784 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

Tgt Ion:117 Resp: 1009
Ion Ratio Lower Upper
117 100
119 65.6 79.1 118.7#
121 24.1 24.2 36.2#





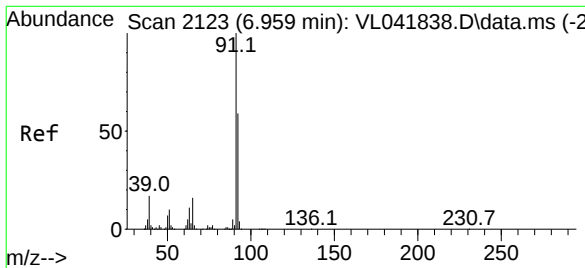
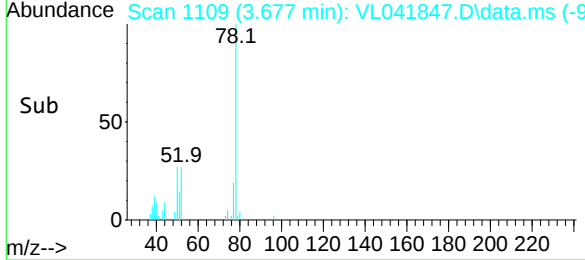
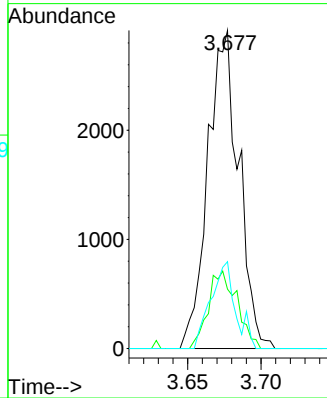
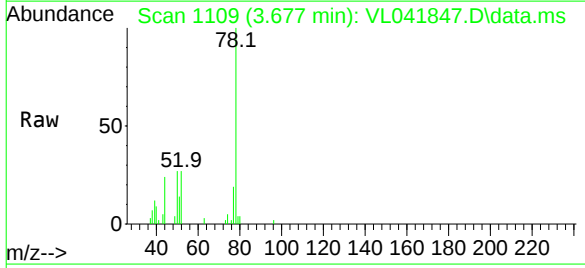
#36
Benzene
Concen: 0.242 ppbv m
RT: 3.677 min Scan# 1108
Delta R.T. 0.003 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.7	17.4	26.0
50	27.3	17.3	25.9

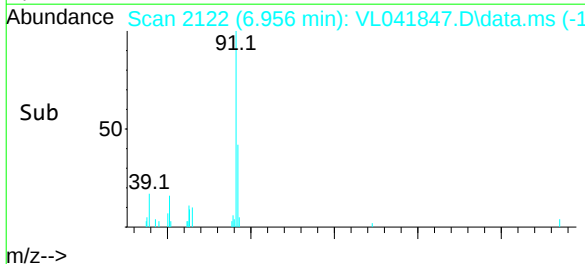
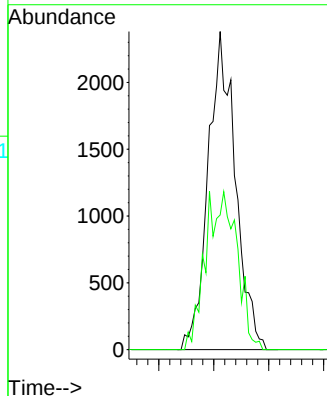
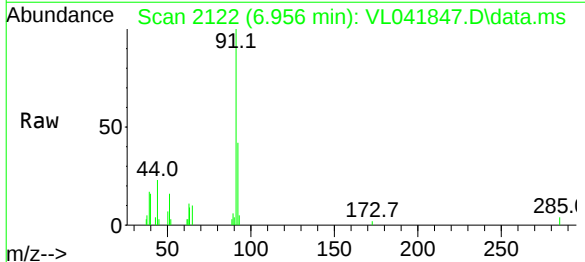
Manual Integrations
APPROVED

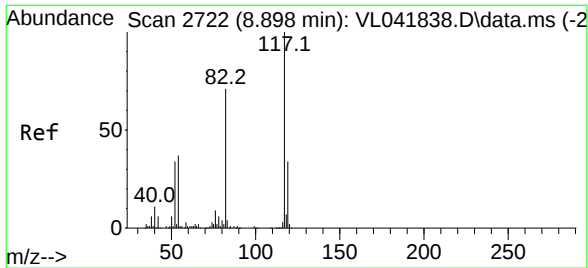
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#53
Toluene
Concen: 0.260 ppbv m
RT: 6.956 min Scan# 2122
Delta R.T. -0.003 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

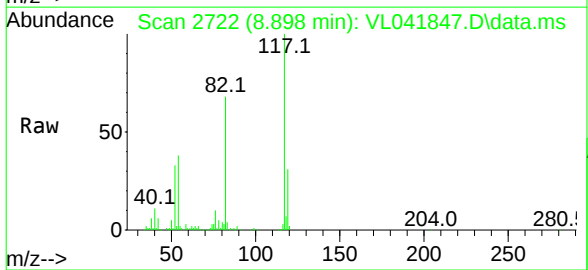
Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.8	71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.000 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

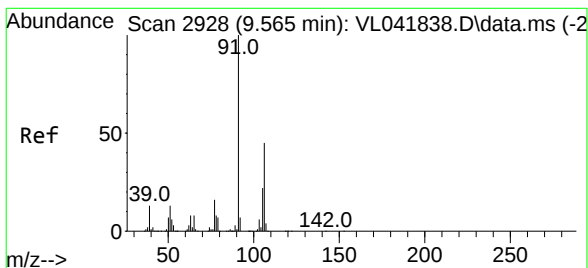
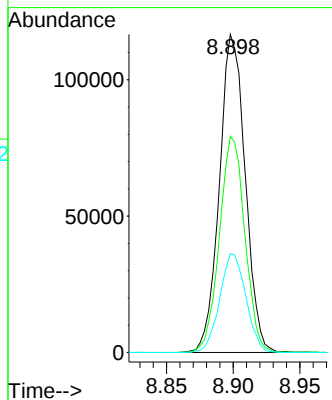
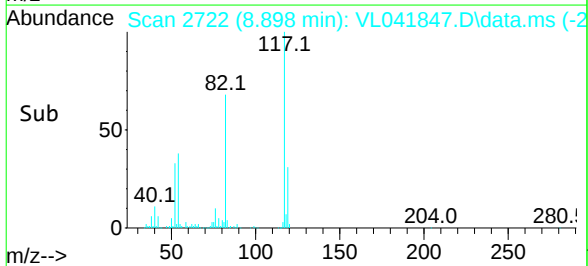
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 117 Resp: 157066
Ion Ratio Lower Upper
117 100
82 67.1 59.1 88.7
119 31.5 27.3 40.9

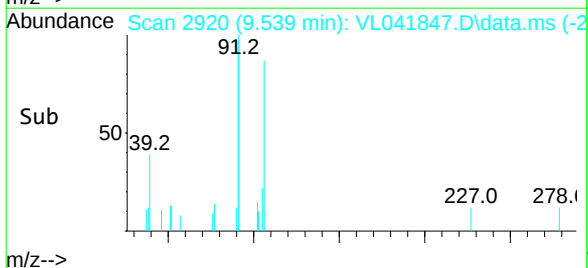
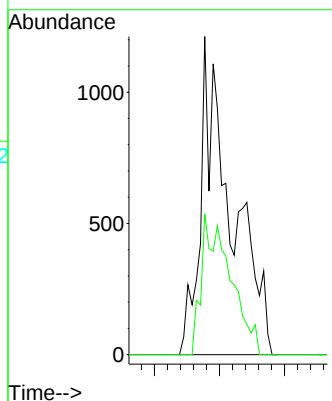
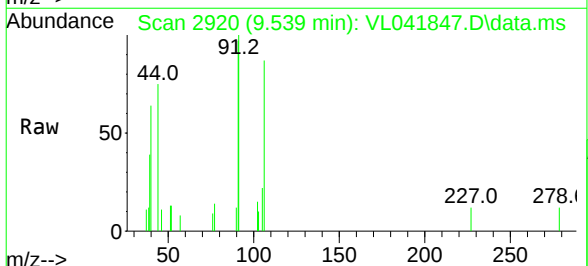
Manual Integrations
APPROVED

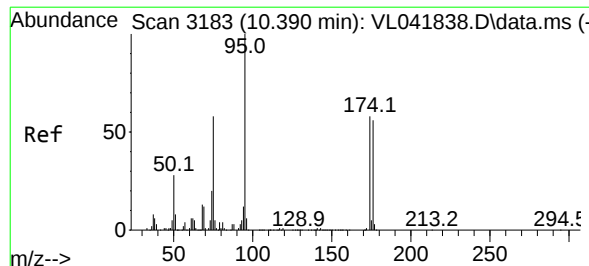
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#59
m/p-Xylene
Concen: 0.105 ppbv m
RT: 9.539 min Scan# 2920
Delta R.T. -0.026 min
Lab File: VL041847.D
Acq: 07 Jan 2025 16:59

Tgt Ion: 91 Resp: 1985
Ion Ratio Lower Upper
91 100
106 0.0 36.7 55.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.616 ppbv

RT: 10.390 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041847.D

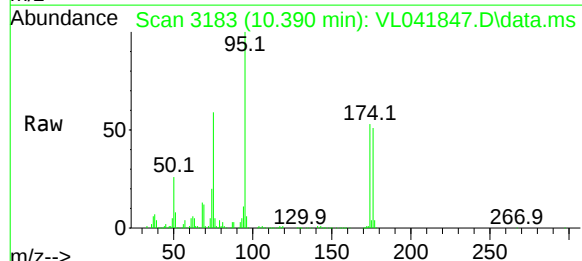
Acq: 07 Jan 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion: 95 Resp: 129360

Ion Ratio Lower Upper

95 100

174 57.4 47.6 71.4

175 4.4 3.8 5.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025

