

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
 Data File : VL041834.D
 Acq On : 03 Jan 2025 19:30
 Operator : SY/MD
 Sample : P5395-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DUP

Manual Integrations
 APPROVED

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

Quant Time: Jan 03 19:56:08 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

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

Internal Standards						
1) Bromochloromethane	2.803	49	84162	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	198450	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.901	117	169491	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	142686	10.102	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	4654	0.311	ppbv	90
3) Chlorodifluoromethane	1.479	51	3656m	0.266	ppbv	
4) Chloromethane	1.538	50	2583	0.441	ppbv	97
9) Propene	1.492	41	10049	1.689	ppbv	85
11) Trichlorofluoromethane	1.887	101	2925	0.184	ppbv	95
13) Ethanol	1.729	45	55441	112.550	ppbv	96
15) Acetone	1.845	43	152837	9.333	ppbv	98
19) Isopropyl Alcohol	1.897	45	31786	3.235	ppbv #	1
20) Methylene Chloride	2.072	84	2660	0.570	ppbv	88
26) Hexane	2.845	57	1919m	0.166	ppbv	
29) Chloroform	2.865	83	5188	0.294	ppbv	85
34) 2-Butanone	2.573	43	3432	0.215	ppbv	92
35) Carbon Tetrachloride	3.784	117	960m	0.068	ppbv	
36) Benzene	3.677	78	9605	0.468	ppbv	97
44) 2,2,4-Trimethylpentane	4.674	57	4305m	0.123	ppbv	
52) Tetrachloroethene	8.250	164	408m	0.053	ppbv	
53) Toluene	6.965	91	9052	0.389	ppbv	98
59) m/p-Xylene	9.551	91	4820m	0.196	ppbv	

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

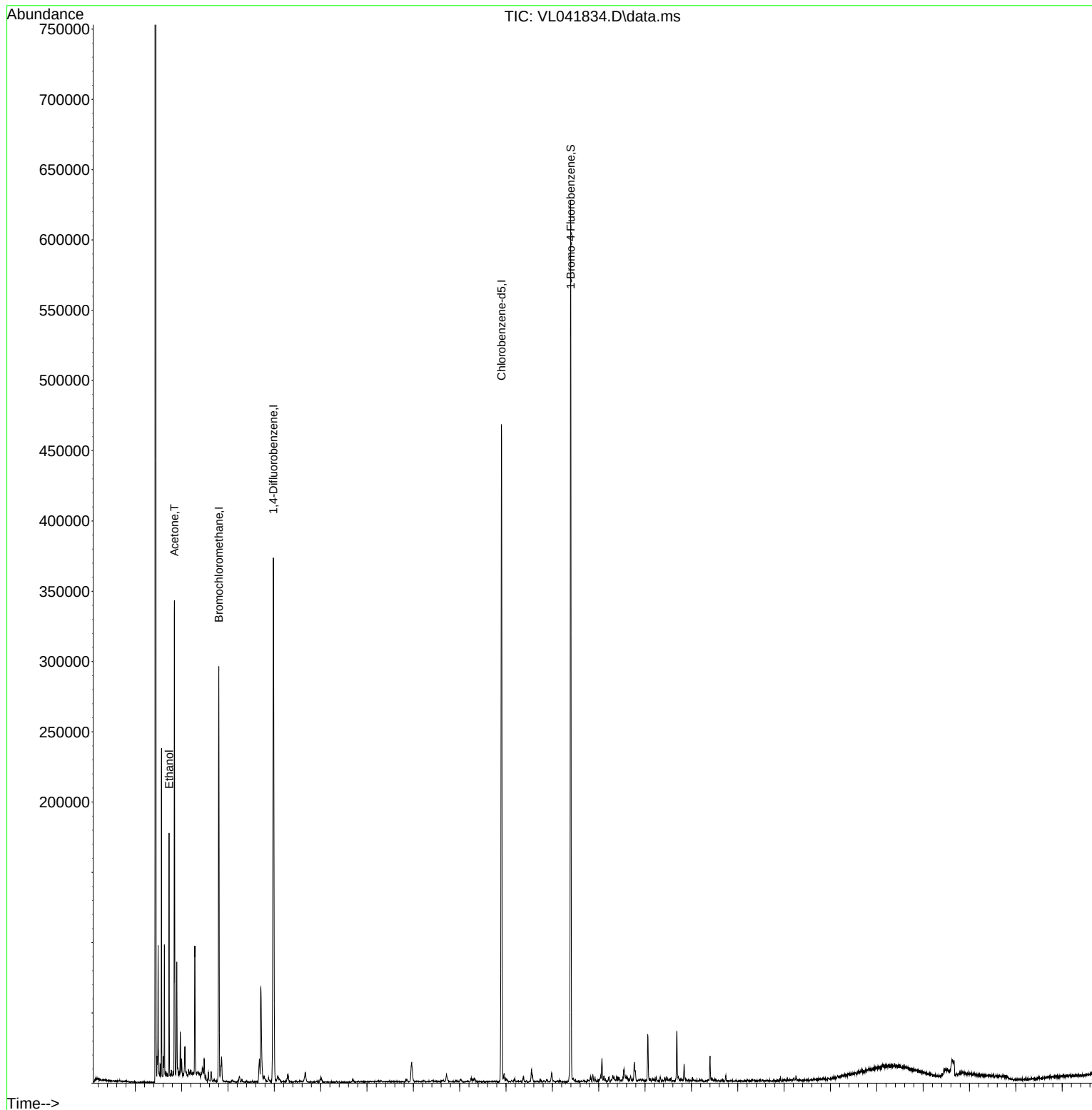
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
Data File : VL041834.D
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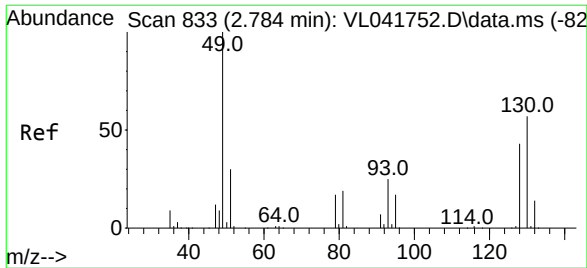
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Quant Time: Jan 03 19:56:08 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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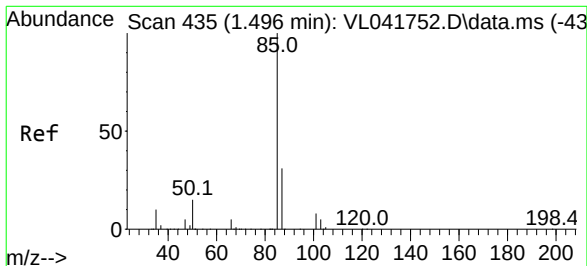
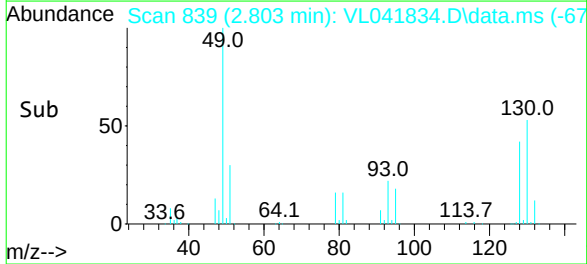
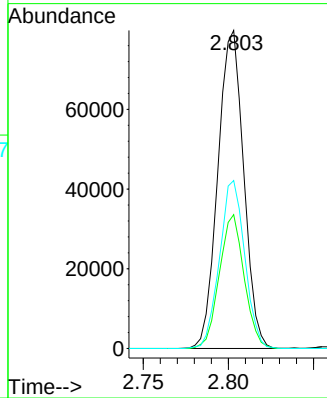
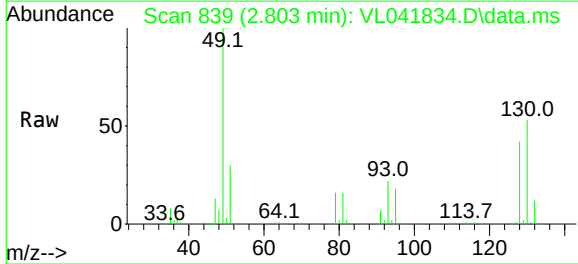
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 833
Delta R.T. 0.019 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion	Ratio	Lower	Upper
49	100		
128	40.4	21.6	64.6
130	51.6	28.3	85.0

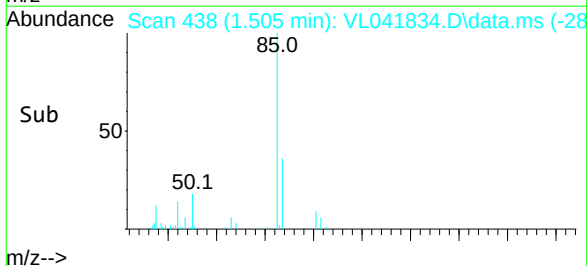
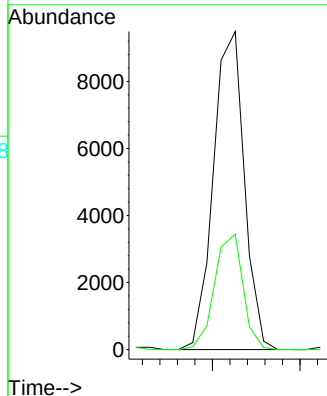
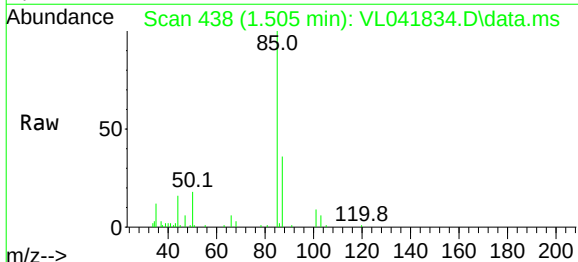
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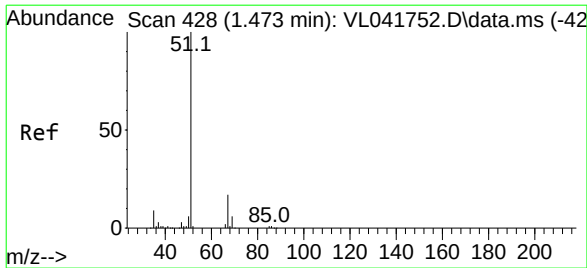
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#2
Dichlorodifluoromethane
Concen: 0.311 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.3	24.5	36.7





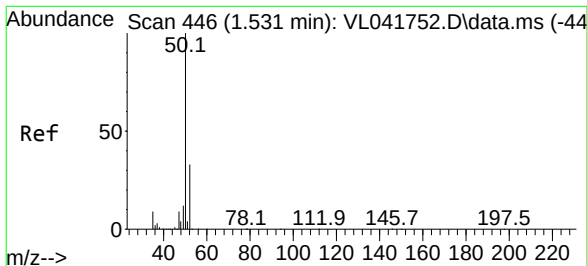
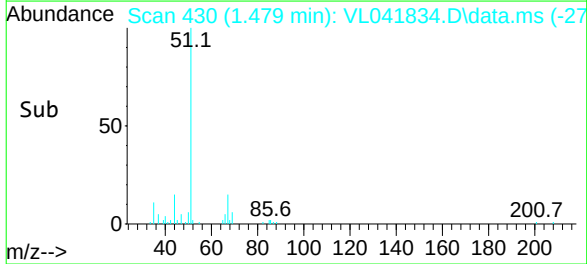
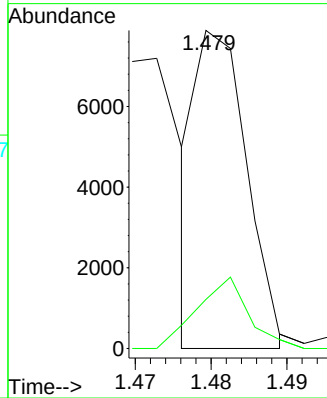
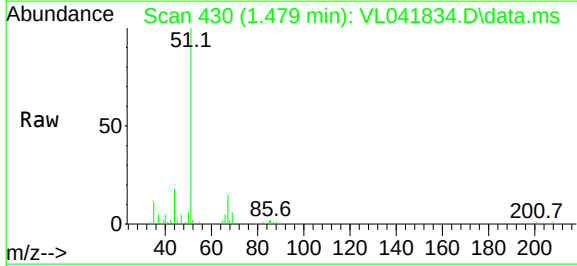
#3
Chlorodifluoromethane
Concen: 0.266 ppbv m
RT: 1.479 min Scan# 43
Delta R.T. 0.006 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 51 Resp: 3656
Ion Ratio Lower Upper
51 100
67 1.8 15.0 22.4#

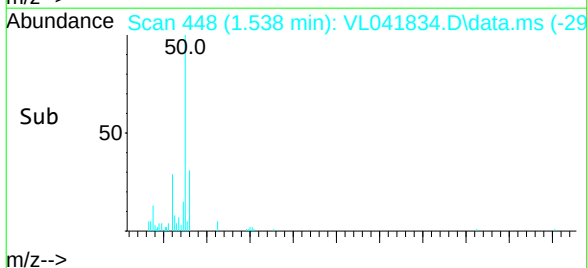
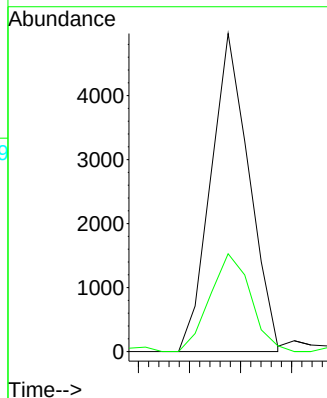
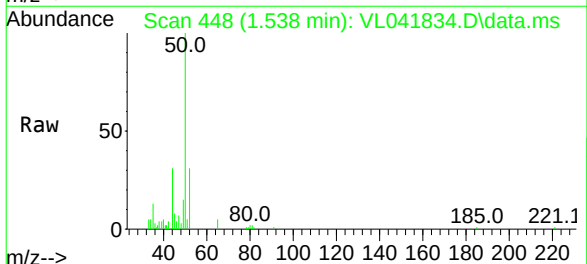
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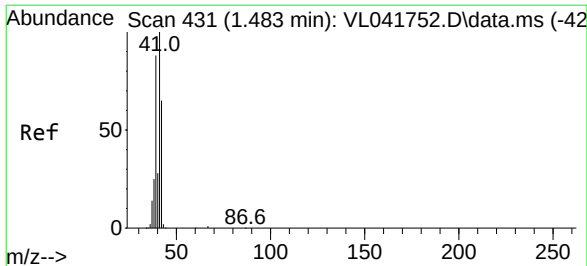
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#4
Chloromethane
Concen: 0.441 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

Tgt Ion: 50 Resp: 2583
Ion Ratio Lower Upper
50 100
52 30.8 26.2 39.2





#9

Propene

Concen: 1.689 ppbv

RT: 1.492 min Scan# 43

Delta R.T. 0.009 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

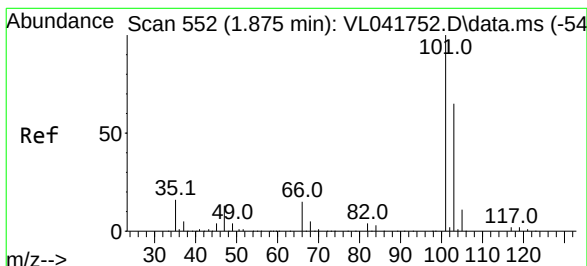
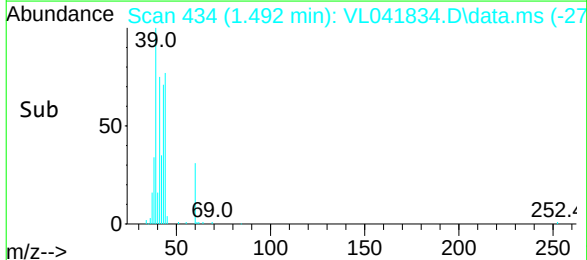
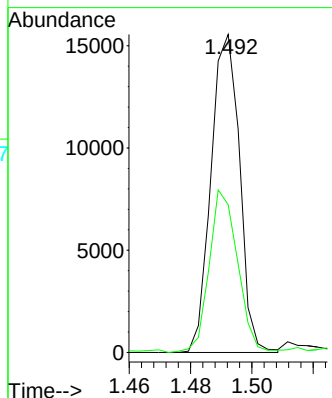
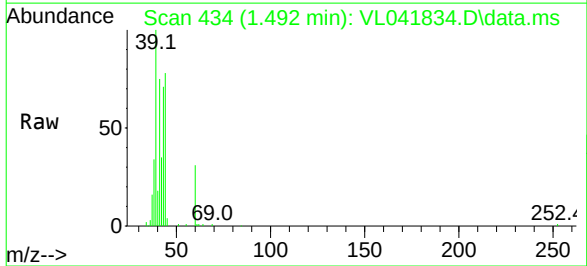
IA2DUP

Tgt Ion: 41 Resp: 10049

Ion	Ratio	Lower	Upper
41	100		
42	53.3	52.4	78.6

Manual Integrations
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Supervised By :Mahesh Dadoda 01/06/2025



#11

Trichlorofluoromethane

Concen: 0.184 ppbv

RT: 1.887 min Scan# 556

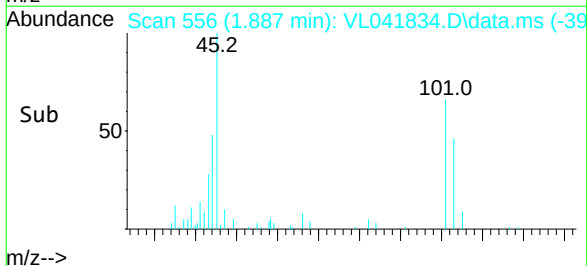
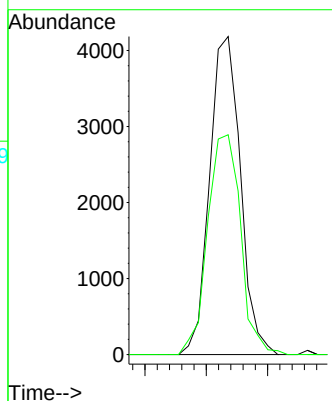
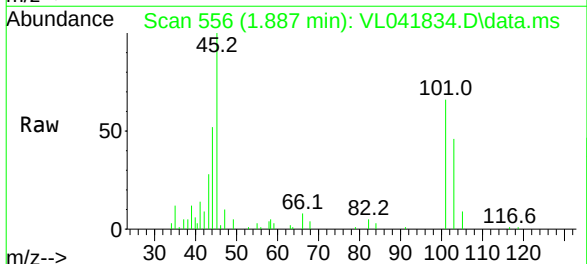
Delta R.T. 0.013 min

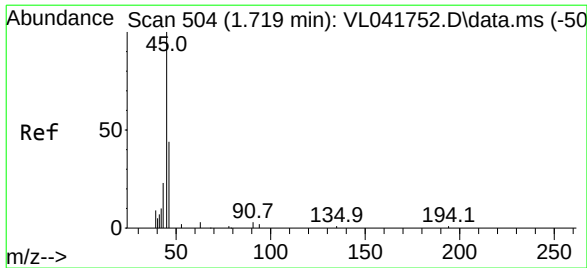
Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Tgt Ion:101 Resp: 2925

Ion	Ratio	Lower	Upper
101	100		
103	69.1	51.8	77.8





#13

Ethanol

Concen: 112.550 ppbv

RT: 1.729 min Scan# 50

Delta R.T. 0.009 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tgt Ion: 45 Resp: 55441

Ion Ratio Lower Upper

45 100

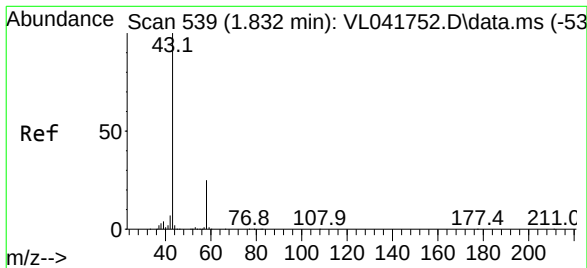
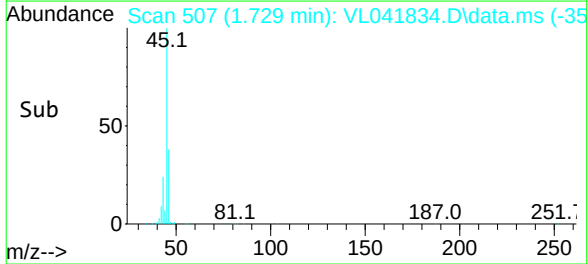
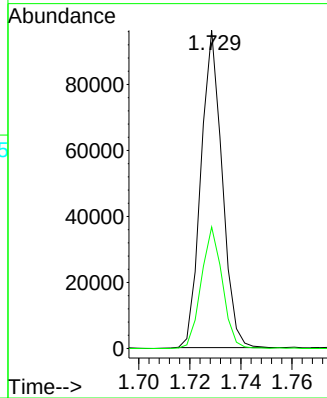
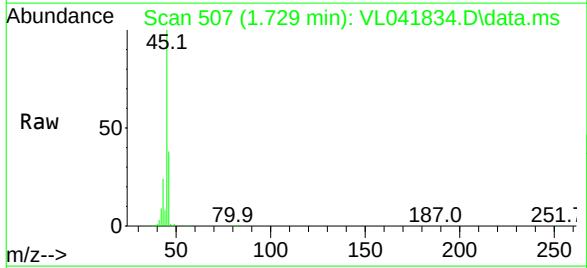
46 38.3 16.4 65.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#15

Acetone

Concen: 9.333 ppbv

RT: 1.845 min Scan# 543

Delta R.T. 0.013 min

Lab File: VL041834.D

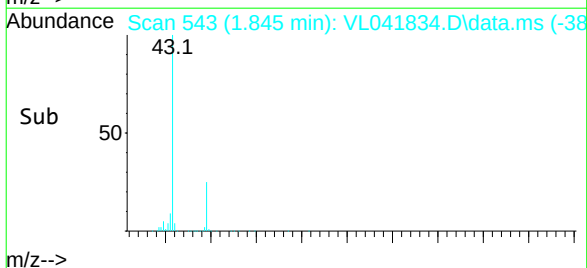
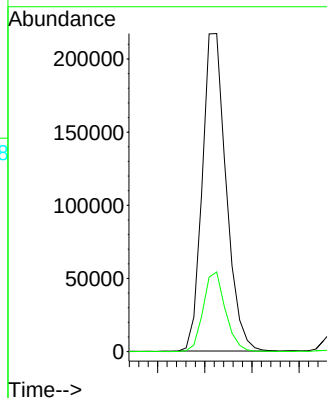
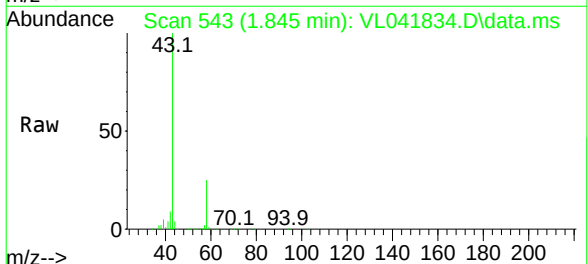
Acq: 03 Jan 2025 19:30

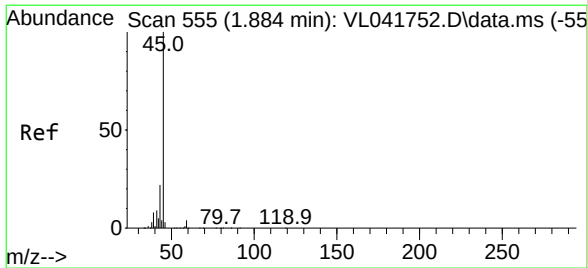
Tgt Ion: 43 Resp: 152837

Ion Ratio Lower Upper

43 100

58 23.4 19.7 29.5





#19

Isopropyl Alcohol

Concen: 3.235 ppbv

RT: 1.897 min Scan# 555

Delta R.T. 0.013 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tgt Ion: 45 Resp: 31786

Ion Ratio Lower Upper

45 100

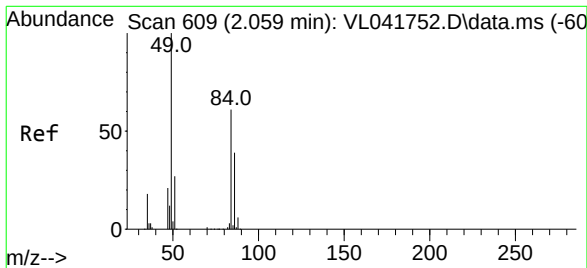
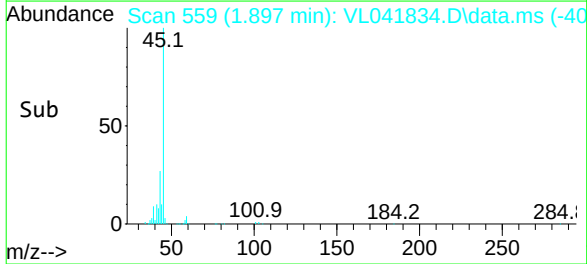
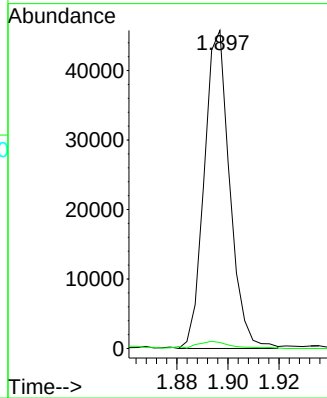
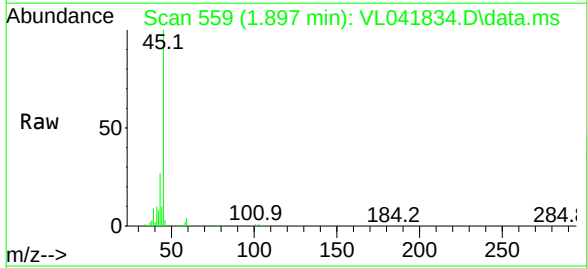
58 112.7 33.3 49.9#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#20

Methylene Chloride

Concen: 0.570 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.013 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Tgt Ion: 84 Resp: 2660

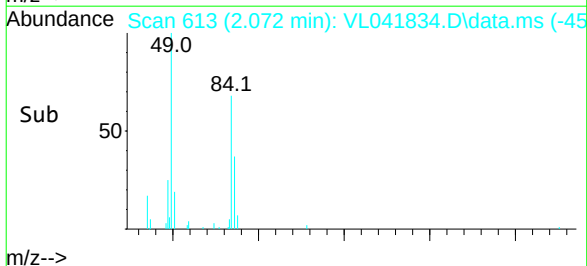
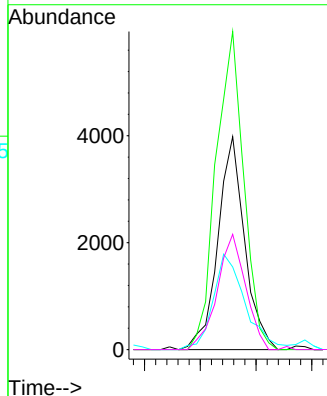
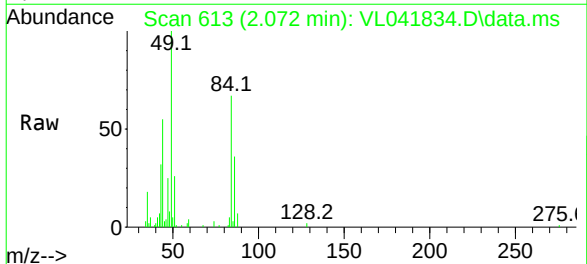
Ion Ratio Lower Upper

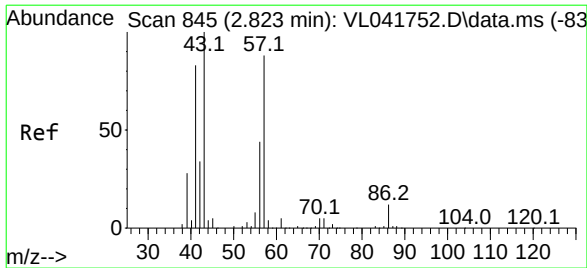
84 100

49 149.4 132.6 198.8

51 38.8 37.6 56.4

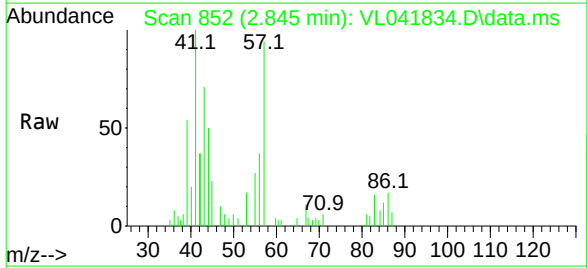
86 54.1 51.4 77.0





#26
Hexane
Concen: 0.166 ppbv m
RT: 2.845 min Scan# 851
Delta R.T. 0.022 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

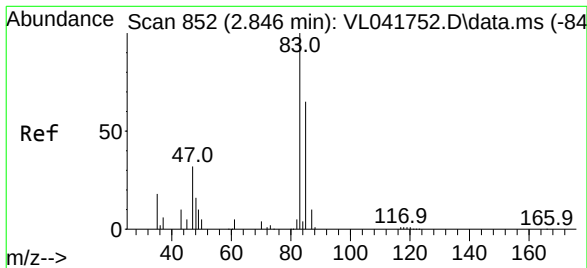
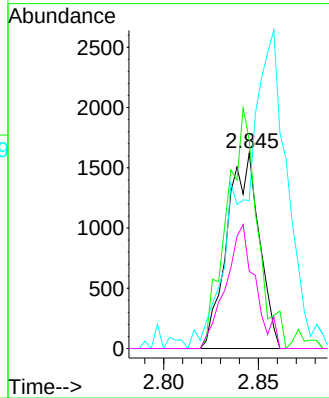
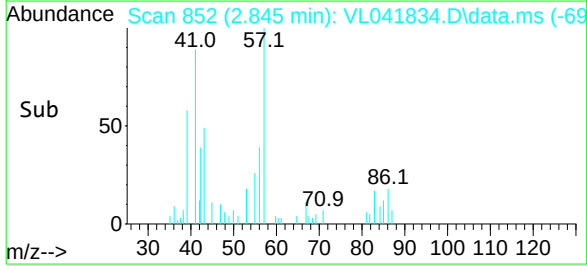
Instrument : MSVOA_L
ClientSampleId : IA2DUP



Tgt Ion: 57 Resp: 1919
Ion Ratio Lower Upper
57 100
41 121.4 79.6 119.4#
43 234.0 211.0 316.6
56 57.8 42.6 63.8

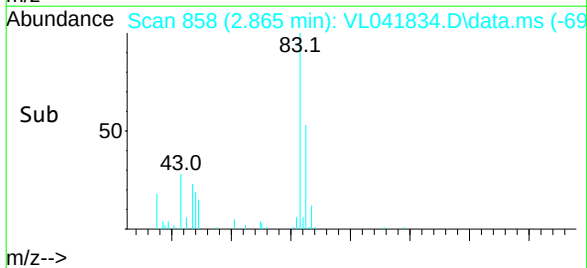
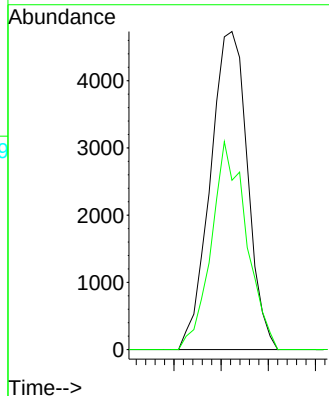
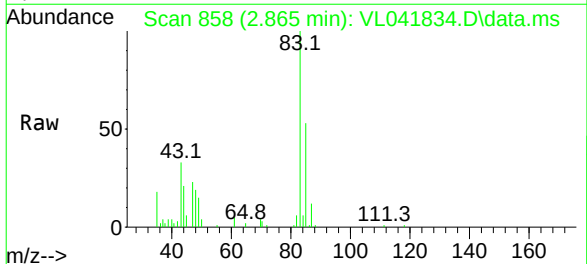
Manual Integrations
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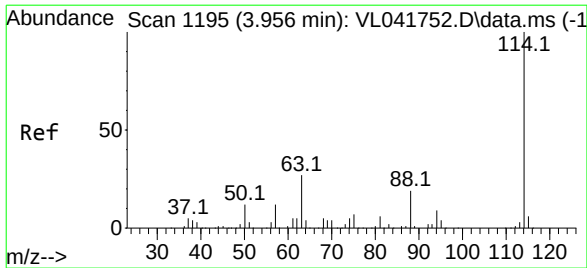
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#29
Chloroform
Concen: 0.294 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

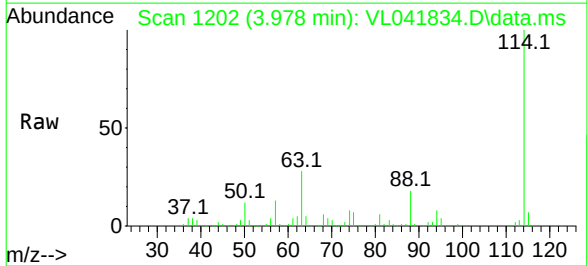
Tgt Ion: 83 Resp: 5188
Ion Ratio Lower Upper
83 100
85 53.2 51.8 77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 12
Delta R.T. 0.022 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

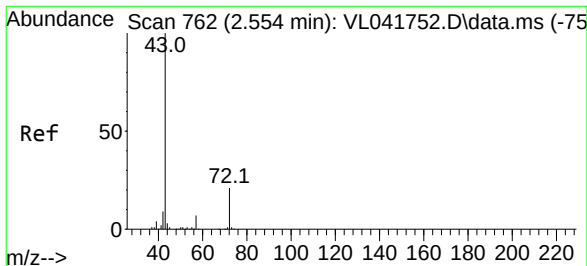
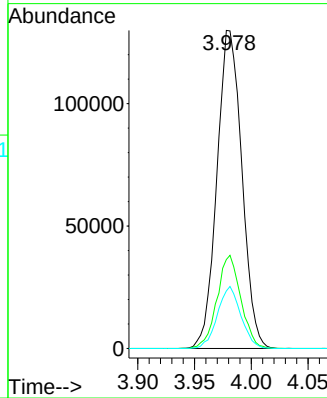
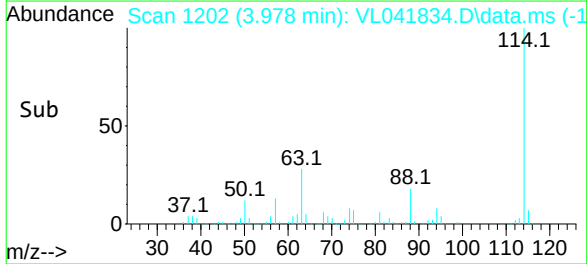
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP



Tgt Ion: 114 Resp: 198450
Ion Ratio Lower Upper
114 100
63 28.0 21.8 32.8
88 18.3 14.8 22.2

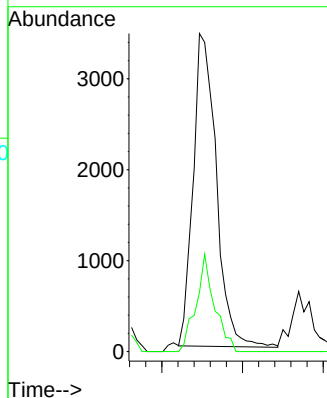
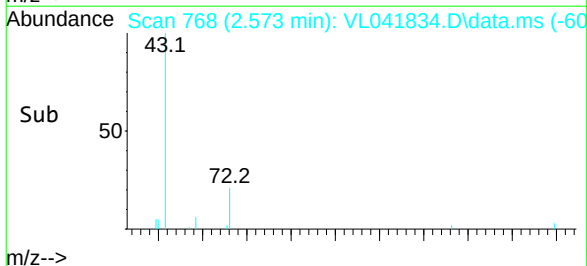
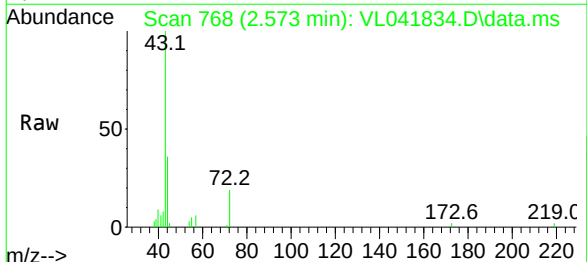
Manual Integrations
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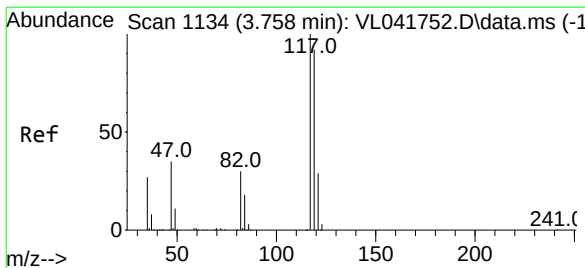
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#34
2-Butanone
Concen: 0.215 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.019 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

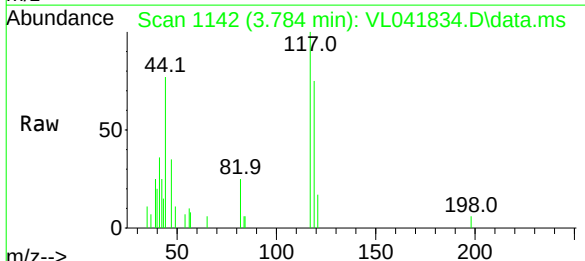
Tgt Ion: 43 Resp: 3432
Ion Ratio Lower Upper
43 100
72 24.9 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.784 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

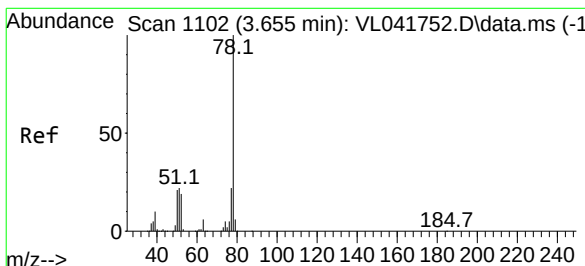
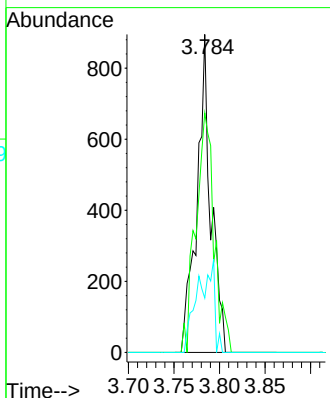
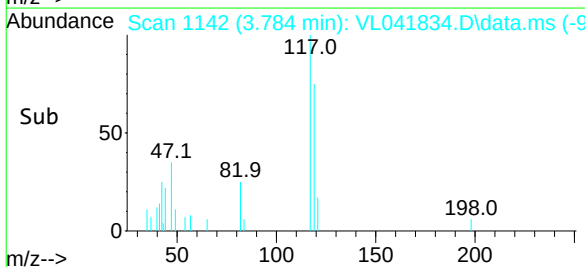
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP



Tgt	Ion: 117	Resp:	960
Ion	Ratio	Lower	Upper
117	100		
119	75.3	73.7	110.5
121	17.1	23.0	34.4

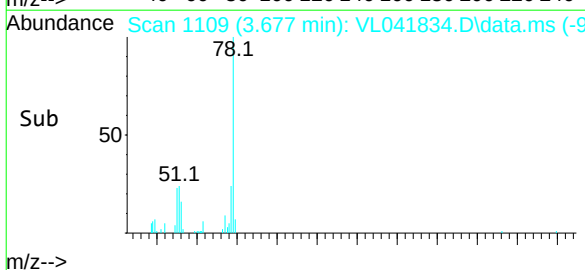
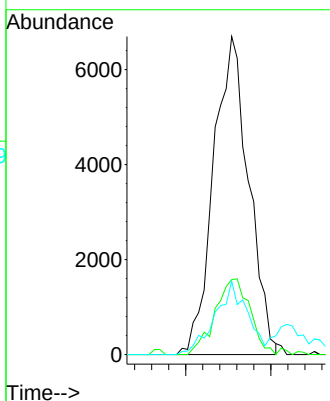
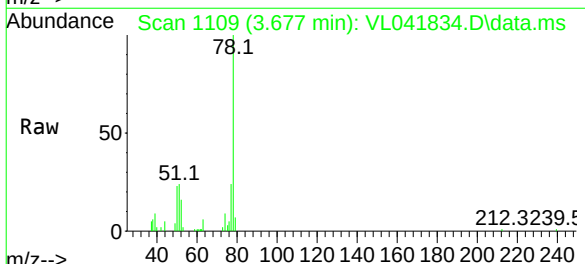
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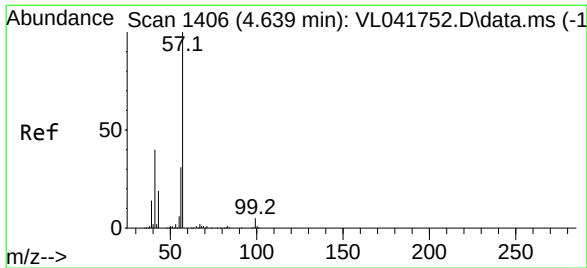
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#36
Benzene
Concen: 0.468 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.022 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

Tgt	Ion: 78	Resp:	9605
Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.8	26.6
50	23.1	17.2	25.8





#44

2,2,4-Trimethylpentane

Concen: 0.123 ppbv m

RT: 4.674 min Scan# 14

Delta R.T. 0.035 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

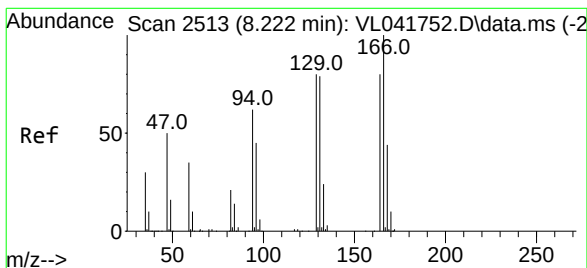
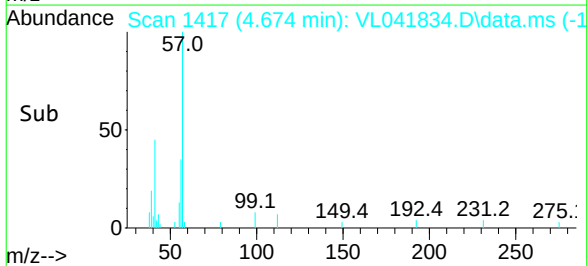
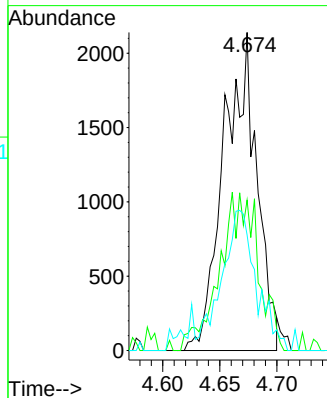
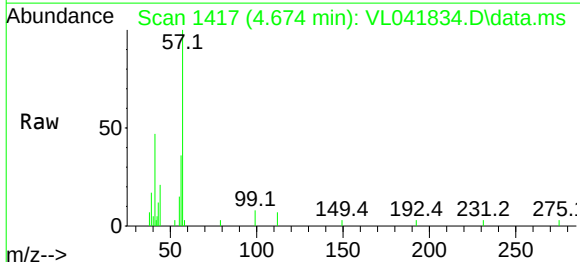
IA2DUP

Tgt Ion:	57	Resp:	4305
Ion	Ratio	Lower	Upper
57	100		
41	57.9	30.7	46.1#
56	51.2	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: 0.053 ppbv m

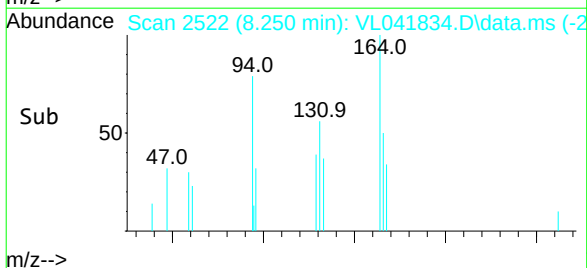
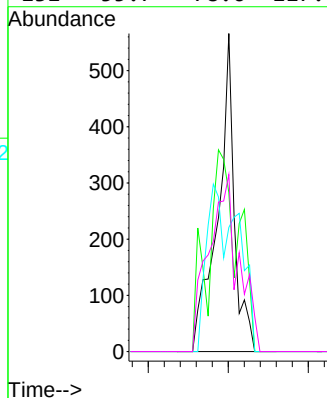
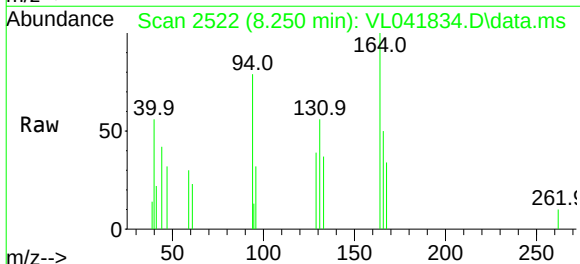
RT: 8.250 min Scan# 2522

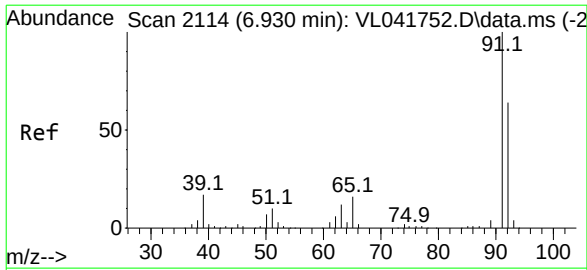
Delta R.T. 0.029 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Tgt Ion:	164	Resp:	408
Ion	Ratio	Lower	Upper
164	100		
166	50.0	99.8	149.6#
129	39.0	79.6	119.4#
131	55.7	78.6	117.8#





#53

Toluene

Concen: 0.389 ppbv

RT: 6.965 min Scan# 2114

Delta R.T. 0.035 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tgt Ion: 91 Resp: 9052

Ion Ratio Lower Upper

91 100

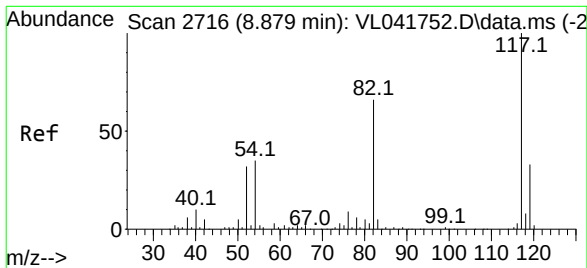
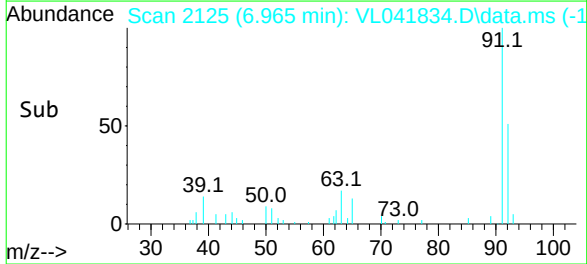
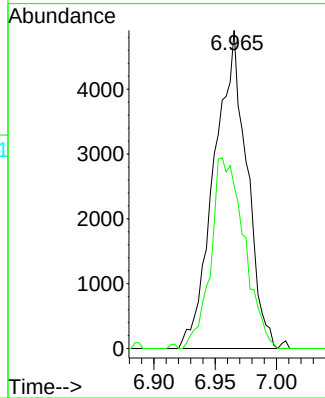
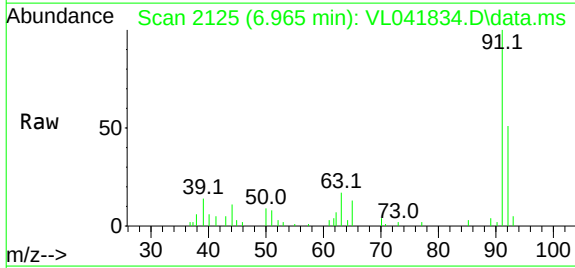
92 61.7 47.9 71.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2723

Delta R.T. 0.022 min

Lab File: VL041834.D

Acq: 03 Jan 2025 19:30

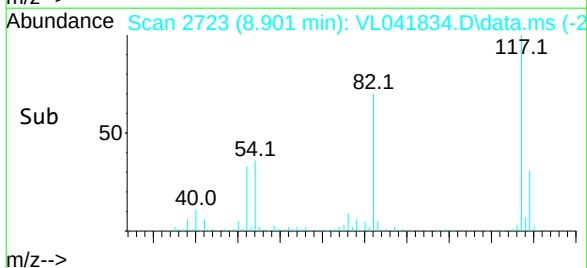
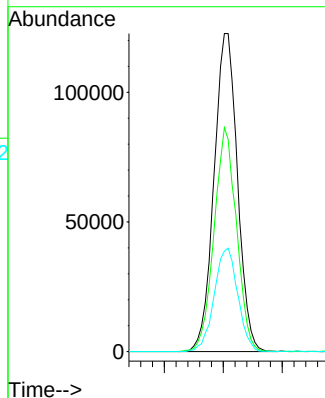
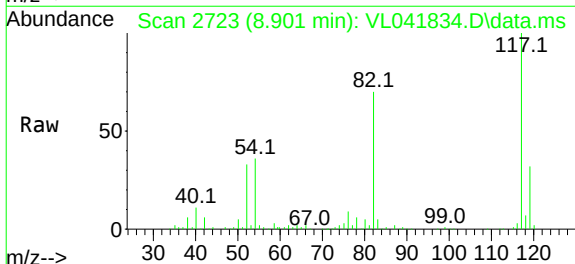
Tgt Ion:117 Resp: 169491

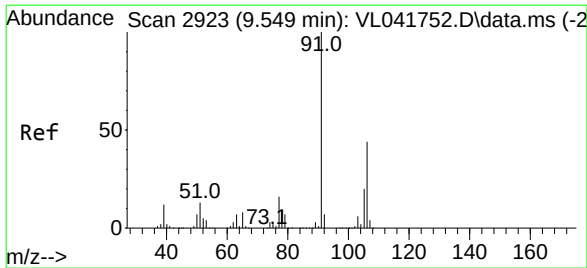
Ion Ratio Lower Upper

117 100

82 67.4 53.8 80.8

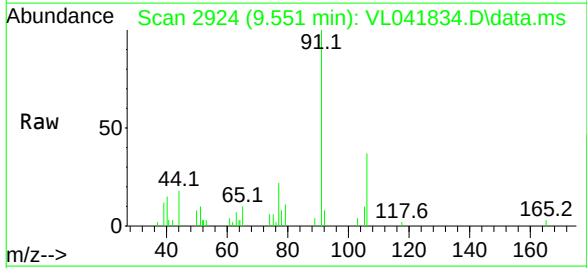
119 32.7 26.7 40.1





#59
m/p-Xylene
Concen: 0.196 ppbv m
RT: 9.551 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30

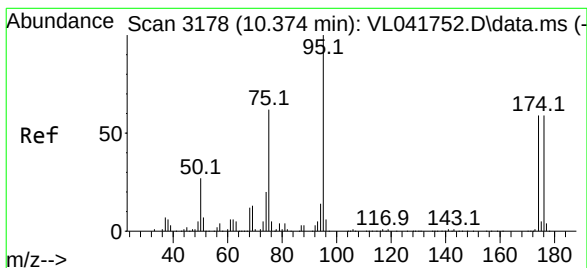
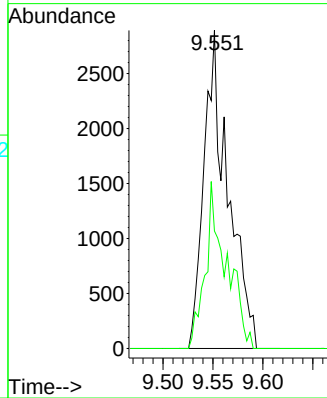
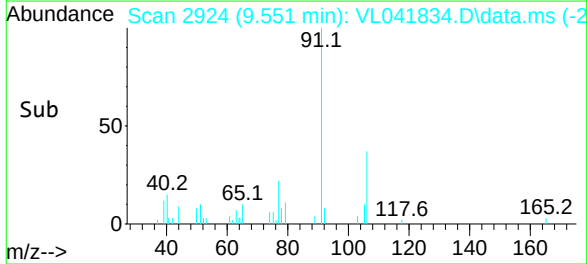
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP



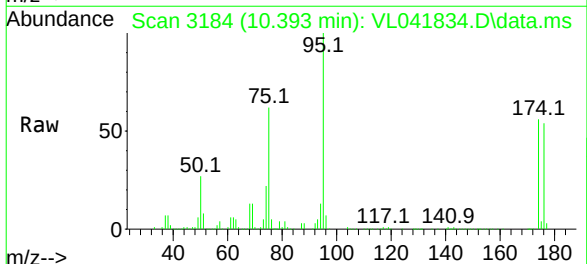
Tgt Ion: 91 Resp: 4820
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.102 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.019 min
Lab File: VL041834.D
Acq: 03 Jan 2025 19:30



Tgt Ion: 95 Resp: 142686
Ion Ratio Lower Upper
95 100
174 57.9 47.6 71.4
175 4.6 3.7 5.5

