

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042122.D
 Acq On : 10 Mar 2025 13:32
 Operator : SY/MD
 Sample : Q1532-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:24:26 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	2.800	49	163759	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	380274	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	322839	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	251994	10.146	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8547	0.502	ppbv	95
3) Chlorodifluoromethane	1.483	51	6279m	0.264	ppbv	
4) Chloromethane	1.538	50	3449	0.548	ppbv	90
9) Propene	1.492	41	8060m	0.831	ppbv	
11) Trichlorofluoromethane	1.887	101	4555	0.267	ppbv	95
13) Ethanol	1.729	45	30378	49.354	ppbv	89
15) Acetone	1.842	43	101724	7.034	ppbv	99
19) Isopropyl Alcohol	1.894	45	62582	7.534	ppbv #	35
20) Methylene Chloride	2.072	84	8455	1.546	ppbv	88
25) Ethyl Acetate	2.855	43	13851	0.239	ppbv #	93
34) 2-Butanone	2.573	43	20082	0.678	ppbv	94
35) Carbon Tetrachloride	3.784	117	2043m	0.078	ppbv	
36) Benzene	3.677	78	4996	0.125	ppbv	97
52) Tetrachloroethene	8.250	164	1940m	0.142	ppbv	
53) Toluene	6.965	91	17123m	0.385	ppbv	
59) m/p-Xylene	9.552	91	15948m	0.337	ppbv	
74) 1,2,4-Trimethylbenzene	11.549	105	2738	0.048	ppbv #	59

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

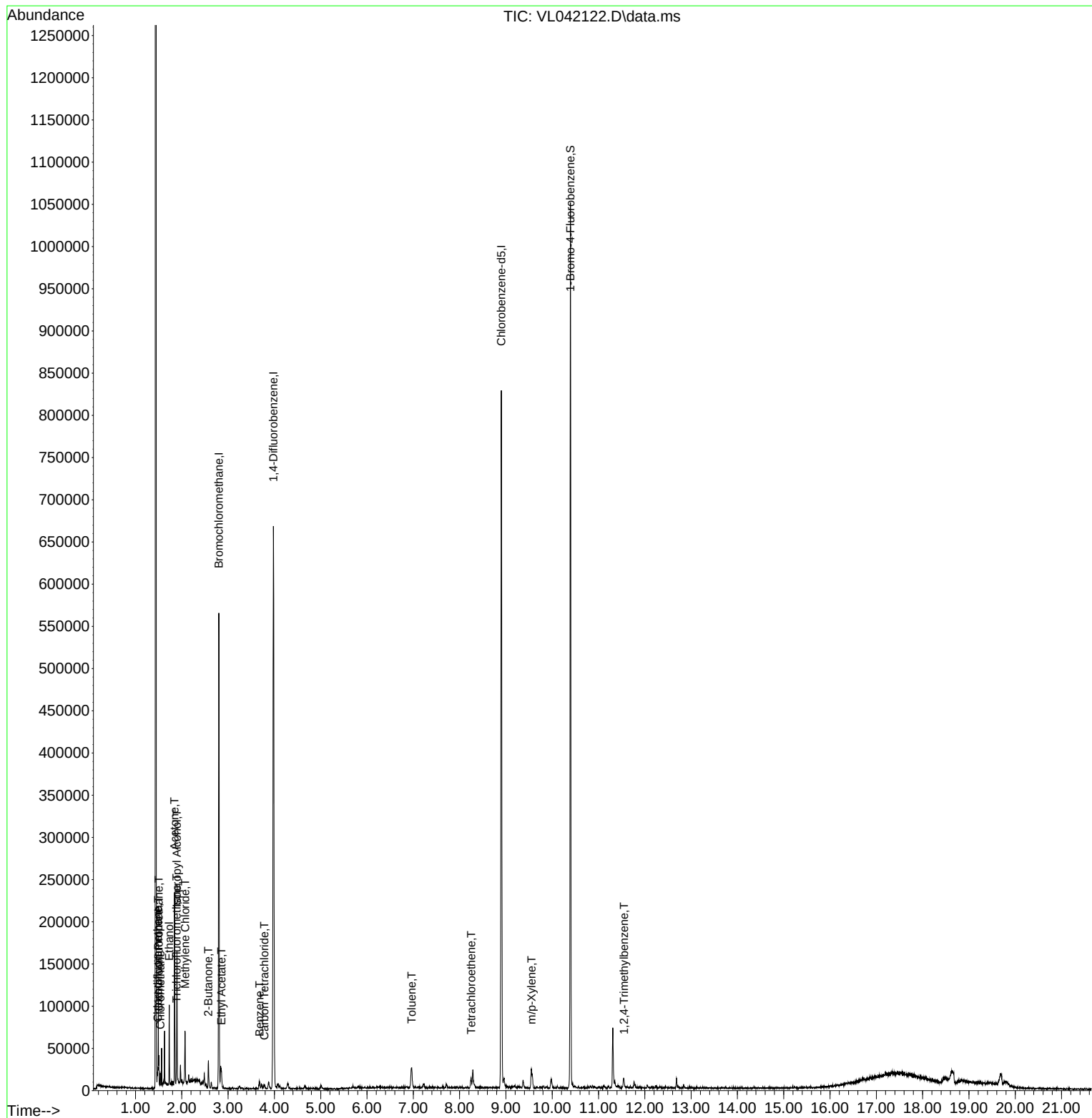
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042122.D
Acq On : 10 Mar 2025 13:32
Operator : SY/MD
Sample : Q1532-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

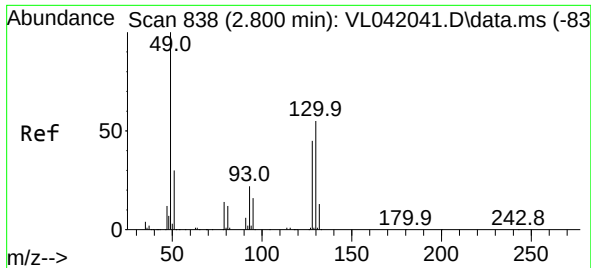
Instrument :
MSVOA_L
ClientSampleId :
1DUP

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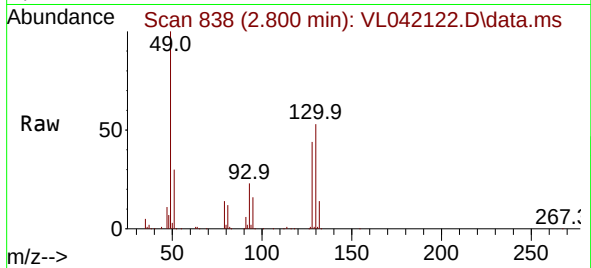
Quant Time: Mar 11 01:24:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

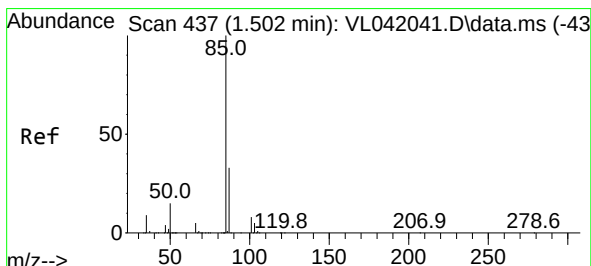
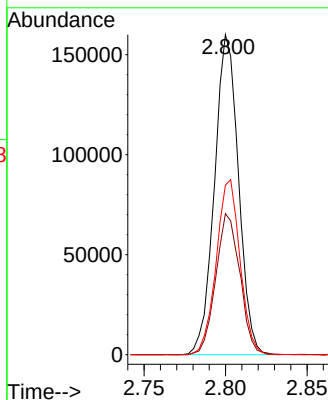
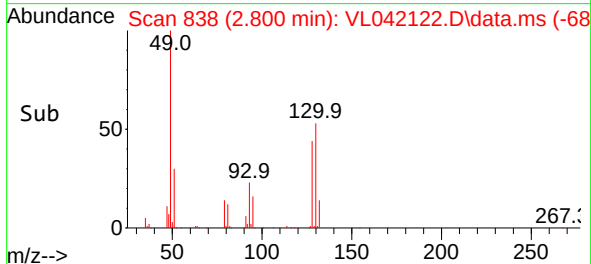
Instrument :
MSVOA_L
ClientSampleId :
1DUP



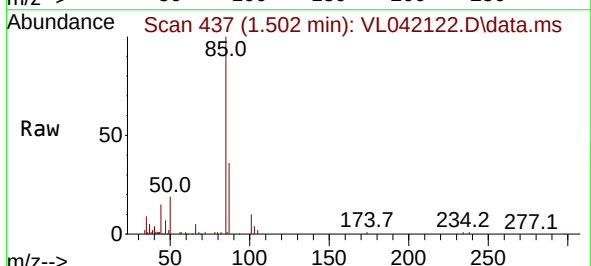
Tgt Ion: 49 Resp: 163759
Ion Ratio Lower Upper
49 100
128 44.2 21.6 64.8
130 54.2 27.8 83.4

Manual Integrations
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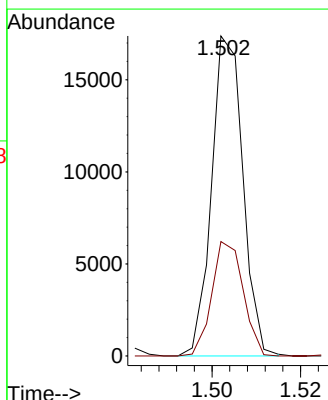
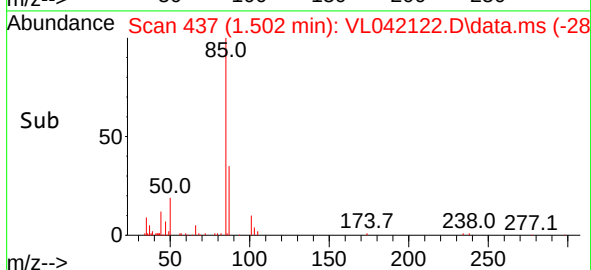
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

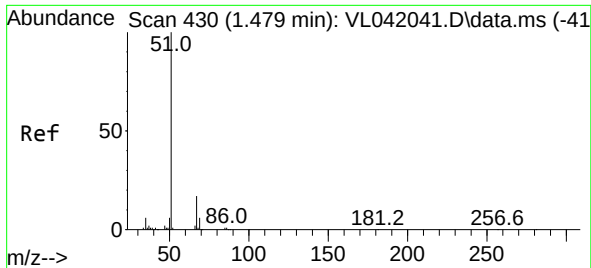


#2
Dichlorodifluoromethane
Concen: 0.502 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32



Tgt Ion: 85 Resp: 8547
Ion Ratio Lower Upper
85 100
87 35.7 26.4 39.6





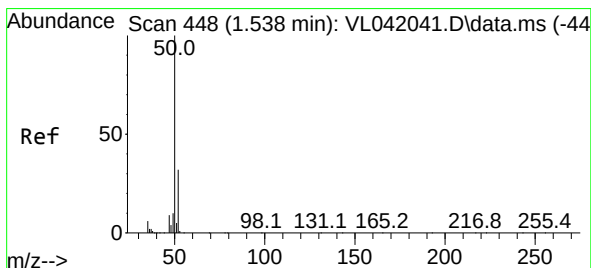
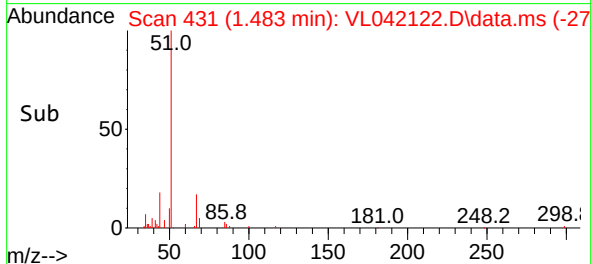
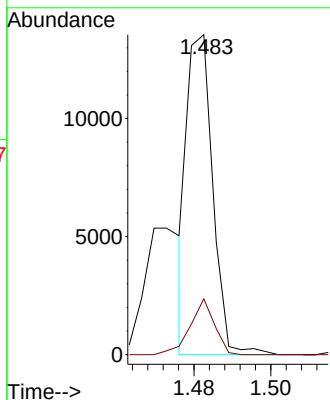
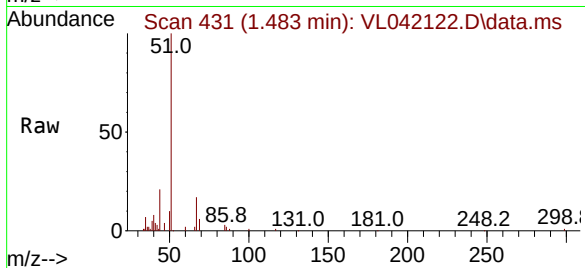
#3
Chlorodifluoromethane
Concen: 0.264 ppbv m
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Instrument :
MSVOA_L
ClientSampleId :
1DUP

Tgt Ion: 51 Resp: 6279
Ion Ratio Lower Upper
51 100
67 1.4 13.7 20.5

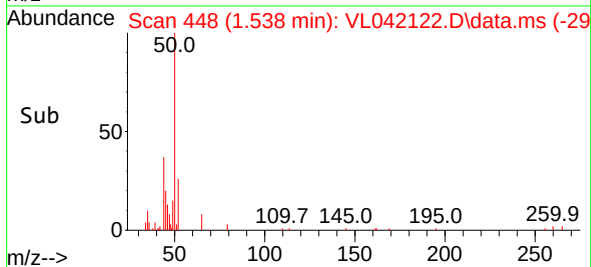
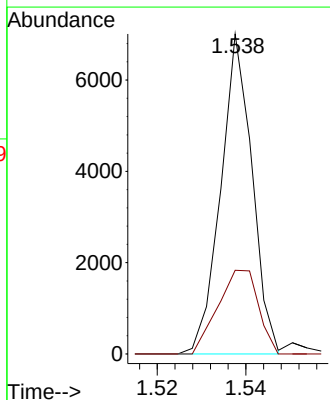
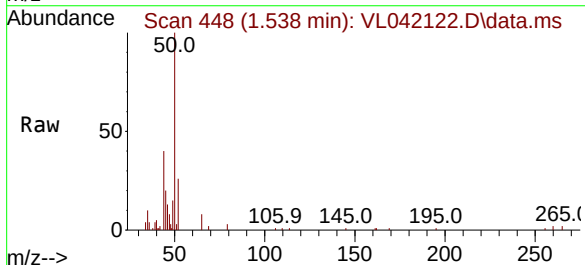
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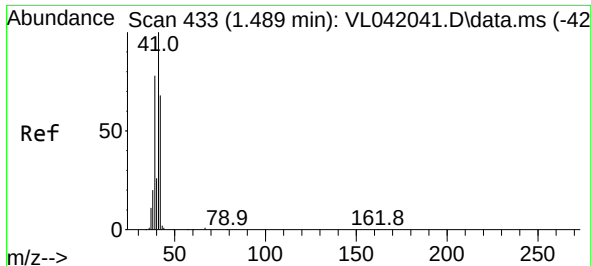
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#4
Chloromethane
Concen: 0.548 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Tgt Ion: 50 Resp: 3449
Ion Ratio Lower Upper
50 100
52 26.1 25.4 38.0





#9

Propene

Concen: 0.831 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042122.D

Acq: 10 Mar 2025 13:32

Instrument :

MSVOA_L

ClientSampleId :

1DUP

Tgt Ion: 41 Resp: 8060

Ion Ratio Lower Upper

41 100

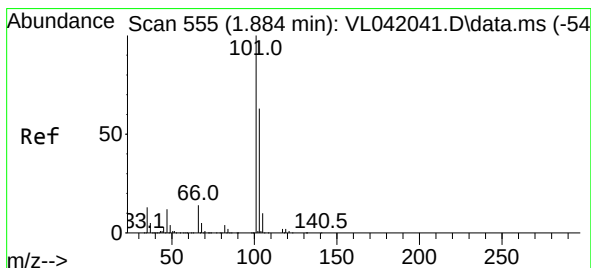
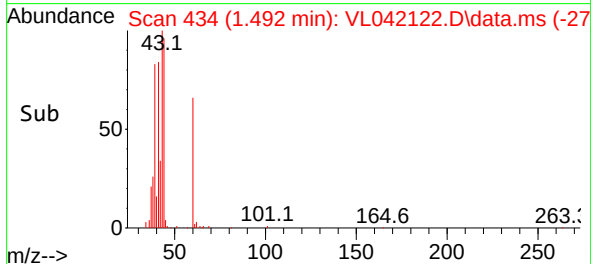
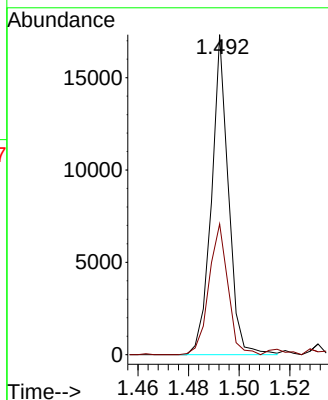
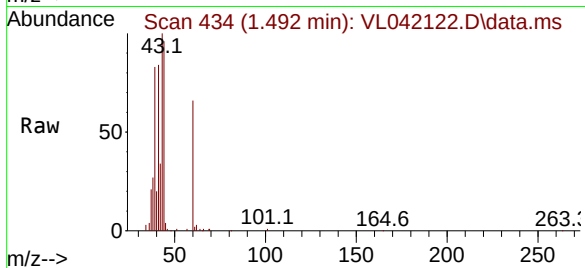
42 47.3 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#11

Trichlorofluoromethane

Concen: 0.267 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042122.D

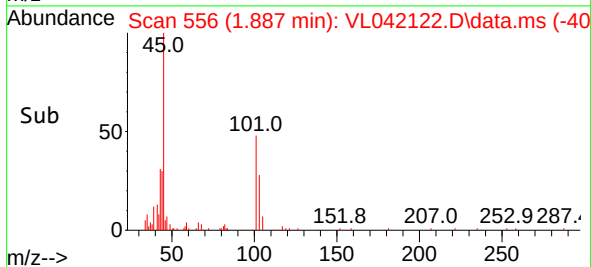
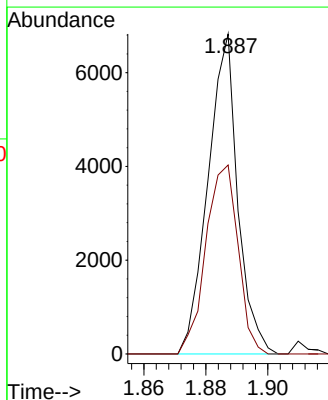
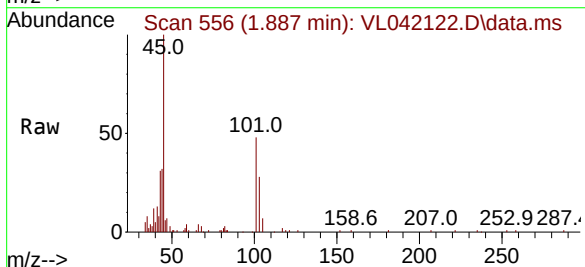
Acq: 10 Mar 2025 13:32

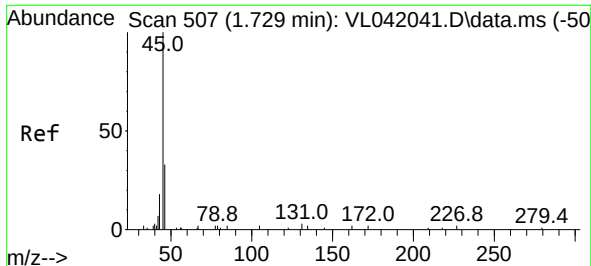
Tgt Ion:101 Resp: 4555

Ion Ratio Lower Upper

101 100

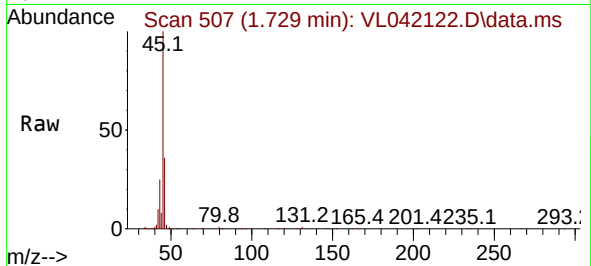
103 59.0 50.6 75.8





#13
Ethanol
Concen: 49.354 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

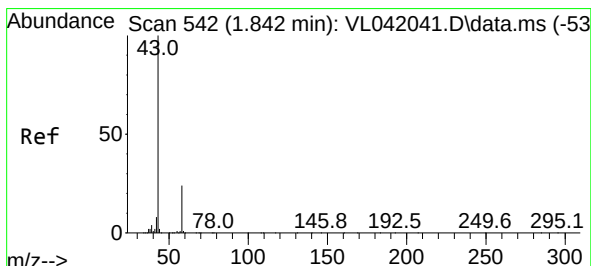
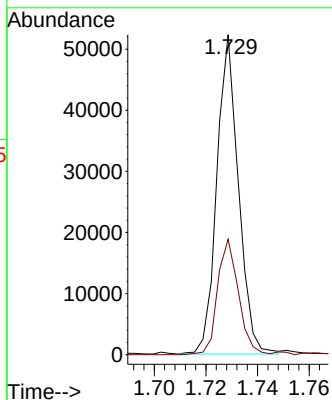
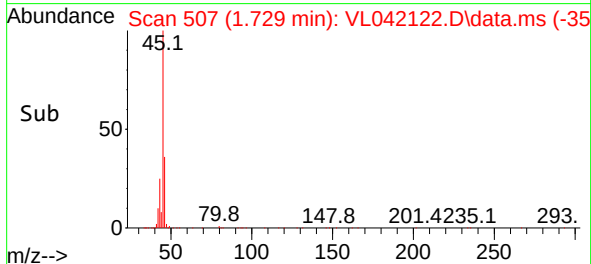
Instrument :
MSVOA_L
ClientSampleId :
1DUP



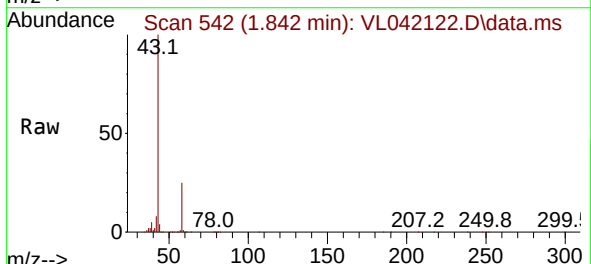
Tgt Ion: 45 Resp: 30378
Ion Ratio Lower Upper
45 100
46 35.4 17.1 68.3

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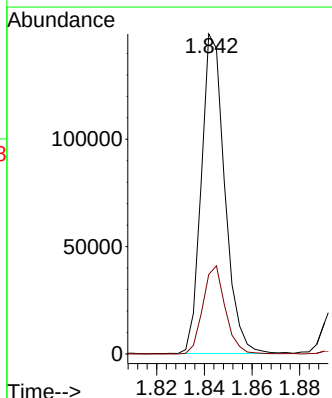
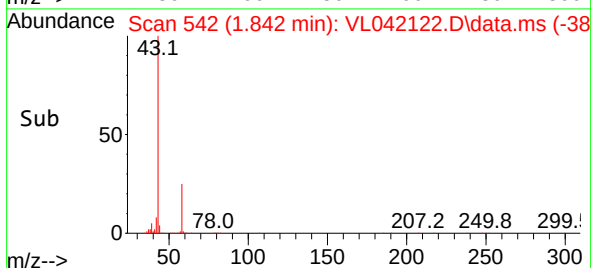
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

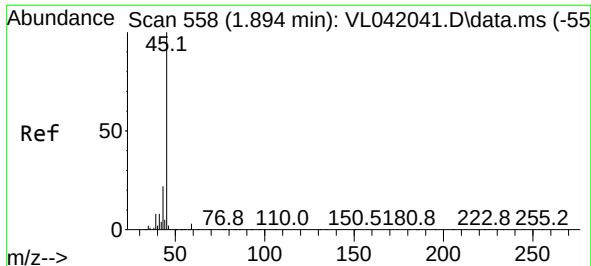


#15
Acetone
Concen: 7.034 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32



Tgt Ion: 43 Resp: 101724
Ion Ratio Lower Upper
43 100
58 26.4 20.7 31.1





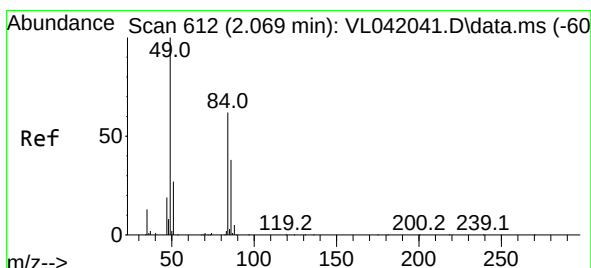
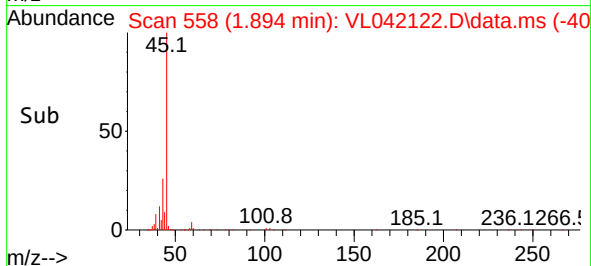
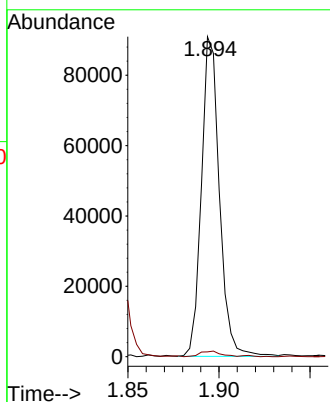
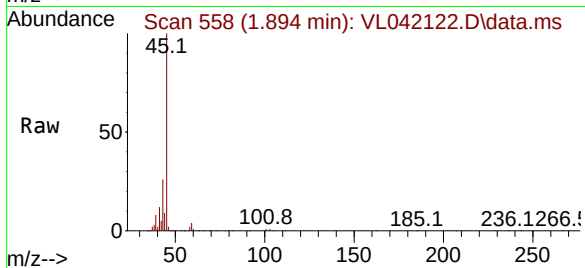
#19
Isopropyl Alcohol
Concen: 7.534 ppbv
RT: 1.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Instrument :
MSVOA_L
ClientSampleId :
1DUP

Tgt Ion: 45 Resp: 6258
Ion Ratio Lower Upper
45 100
58 2.3 35.3 52.9

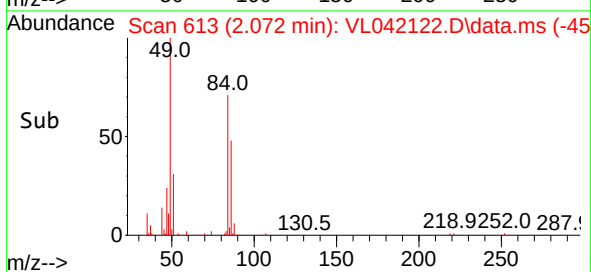
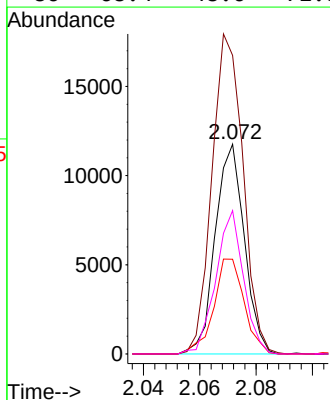
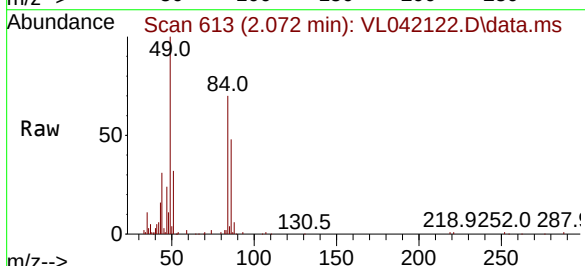
Manual Integrations
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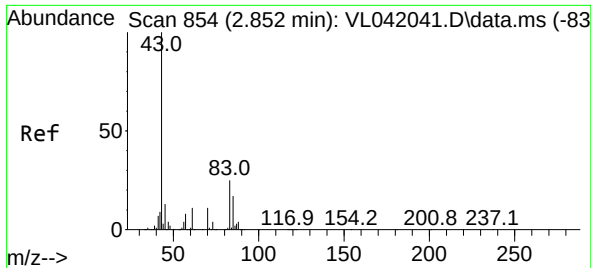
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#20
Methylene Chloride
Concen: 1.546 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Tgt Ion: 84 Resp: 8455
Ion Ratio Lower Upper
84 100
49 142.3 130.0 195.0
51 45.2 37.4 56.0
86 68.4 48.6 72.8





#25
Ethyl Acetate
Concen: 0.239 ppbv
RT: 2.855 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

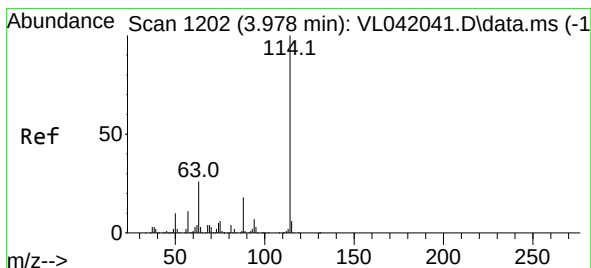
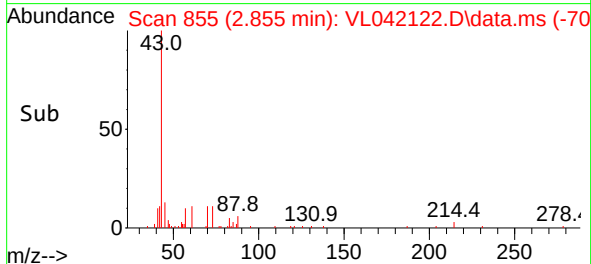
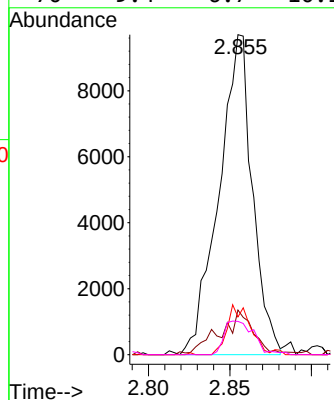
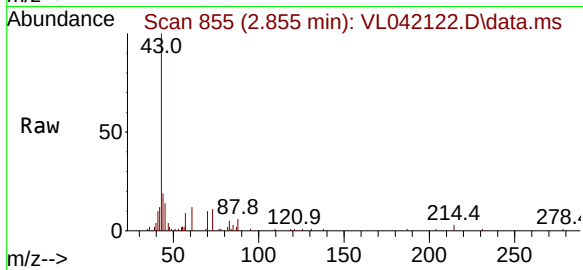
Instrument :
MSVOA_L
ClientSampleId :
1DUP

Tgt Ion: 43 Resp: 1385

Ion	Ratio	Lower	Upper
43	100		
45	14.4	8.1	12.1
61	11.1	7.2	10.8
70	9.4	6.7	10.1

Manual Integrations
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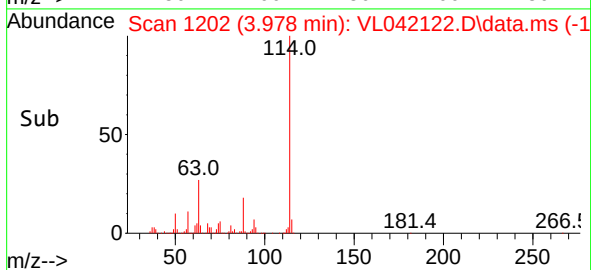
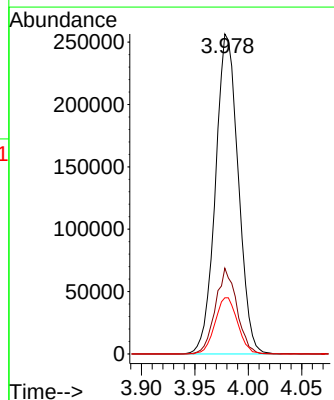
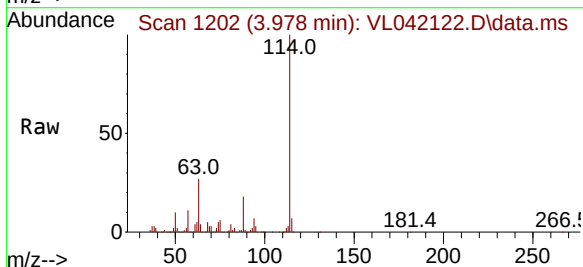
Reviewed By :Semsettin Yesilyurt 03/11/2025
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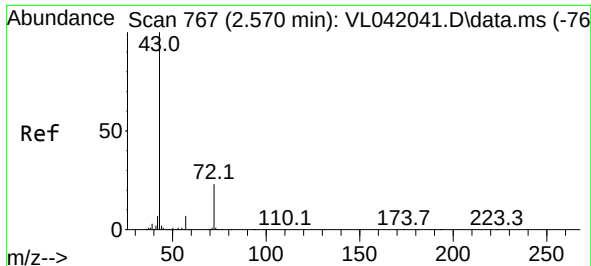


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Tgt Ion:114 Resp: 380274

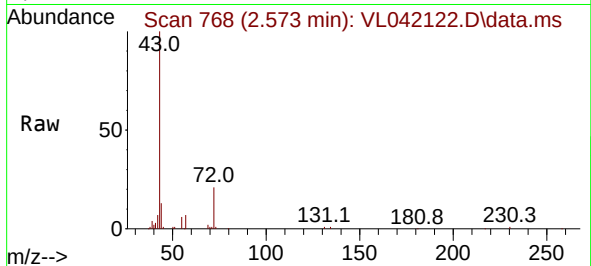
Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.5	14.3	21.5





#34
2-Butanone
Concen: 0.678 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

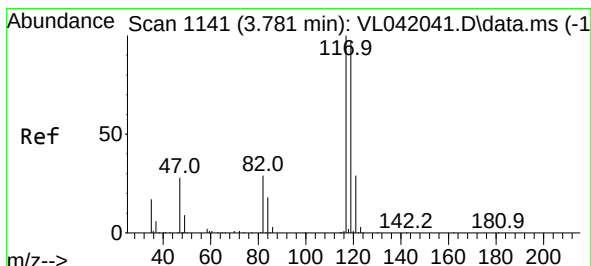
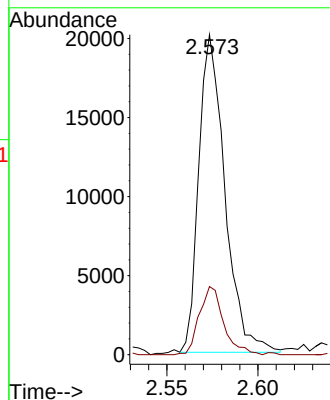
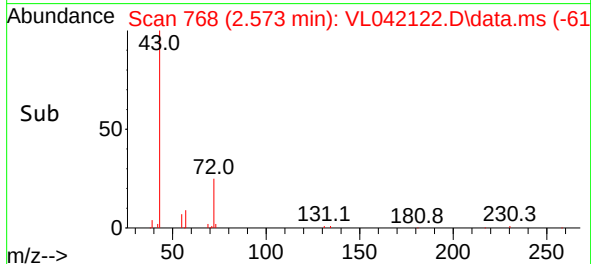
Instrument :
MSVOA_L
ClientSampleId :
1DUP



Tgt Ion: 43 Resp: 2008
Ion Ratio Lower Upper
43 100
72 20.1 18.5 27.7

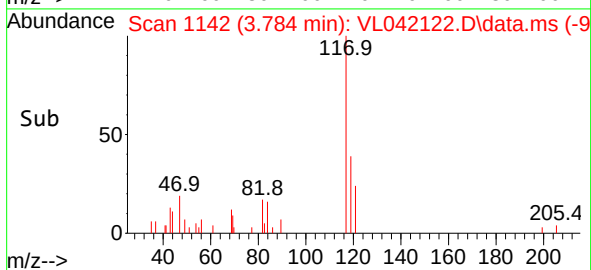
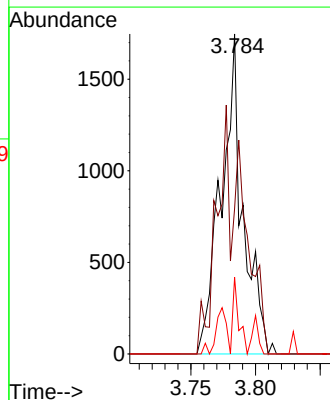
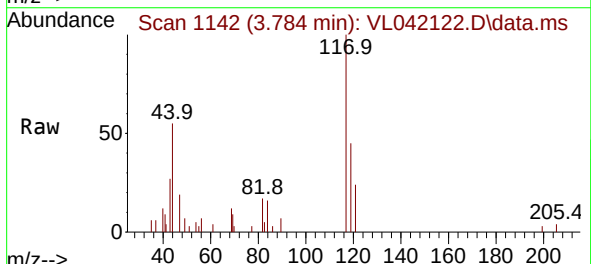
Manual Integrations
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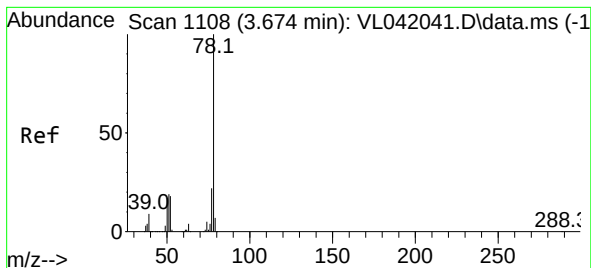
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 3.784 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Tgt Ion:117 Resp: 2043
Ion Ratio Lower Upper
117 100
119 45.4 77.8 116.8#
121 24.0 23.4 35.0





#36

Benzene

Concen: 0.125 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VL042122.D

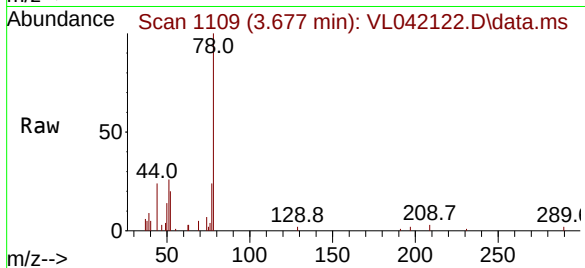
Acq: 10 Mar 2025 13:32

Instrument :

MSVOA_L

ClientSampleId :

1DUP

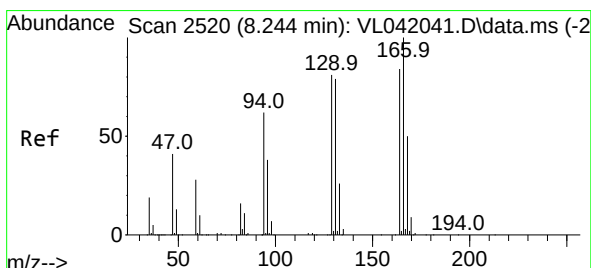
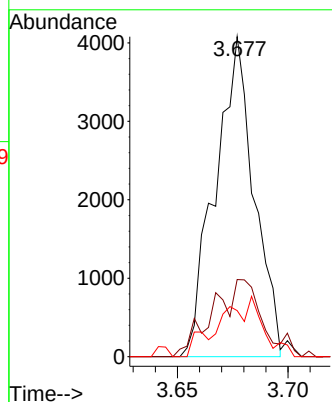
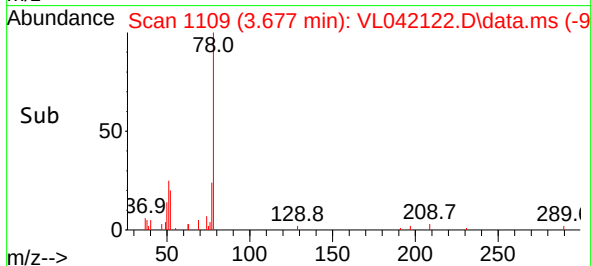


Tgt Ion: 78	Resp: 4990
Ion Ratio	Lower Upper
78 100	
77 21.7	17.7 26.5
50 14.4	13.9 20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#52

Tetrachloroethene

Concen: 0.142 ppbv m

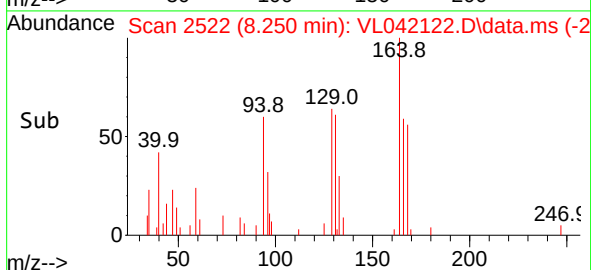
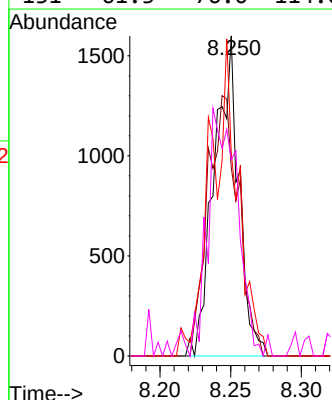
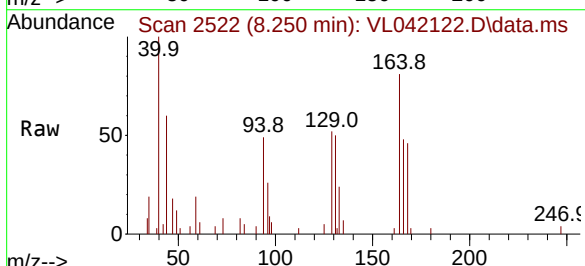
RT: 8.250 min Scan# 2522

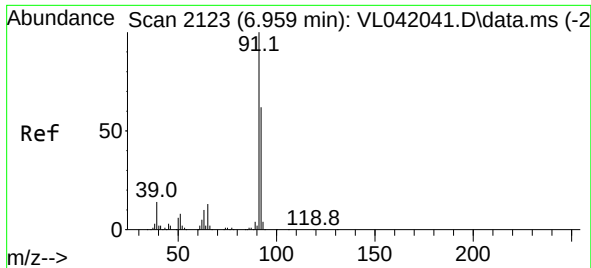
Delta R.T. 0.006 min

Lab File: VL042122.D

Acq: 10 Mar 2025 13:32

Tgt Ion:164	Resp: 1940
Ion Ratio	Lower Upper
164 100	
166 59.0	95.7 143.5#
129 63.6	77.1 115.7#
131 61.3	76.0 114.0#





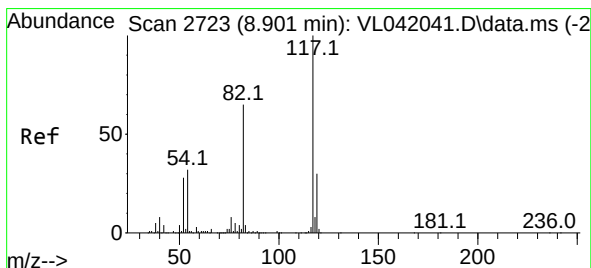
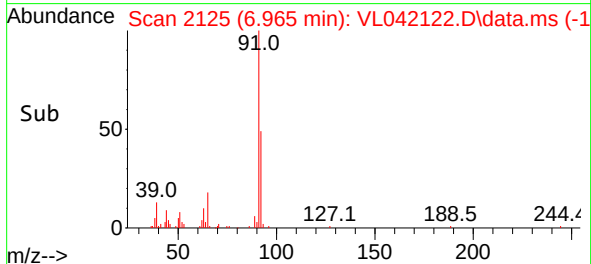
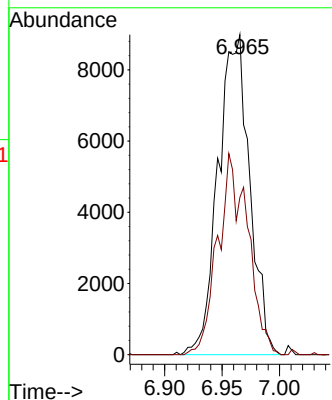
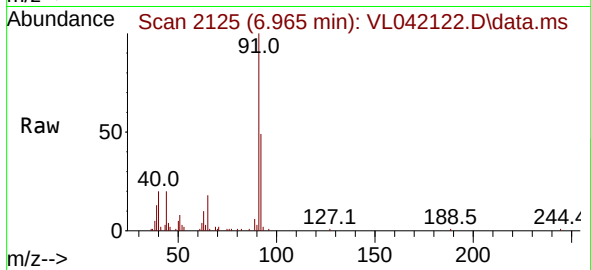
#53
Toluene
Concen: 0.385 ppbv m
RT: 6.965 min Scan# 2123
Delta R.T. 0.006 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Instrument :
MSVOA_L
ClientSampleId :
1DUP

Tgt Ion: 91 Resp: 1712
Ion Ratio Lower Upper
91 100
92 60.5 49.0 73.6

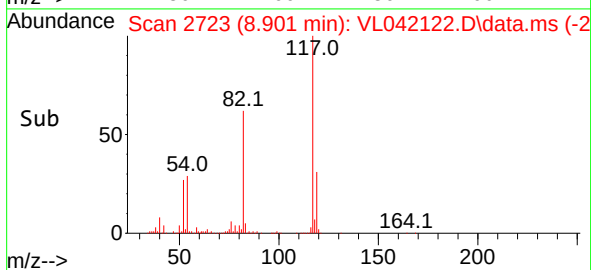
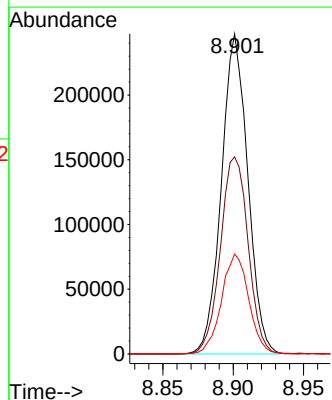
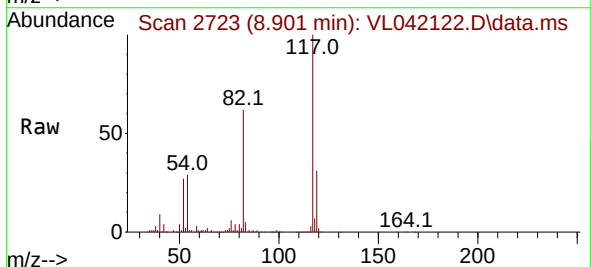
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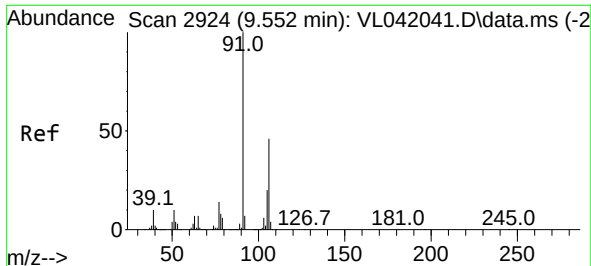
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Tgt Ion:117 Resp: 322839
Ion Ratio Lower Upper
117 100
82 65.0 55.0 82.6
119 32.4 25.9 38.9





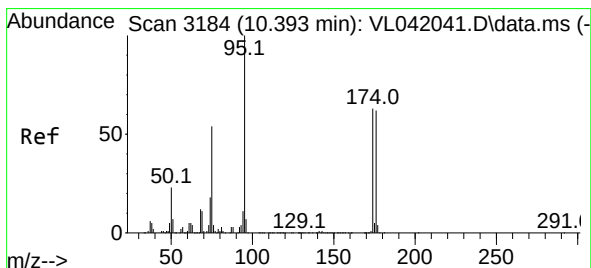
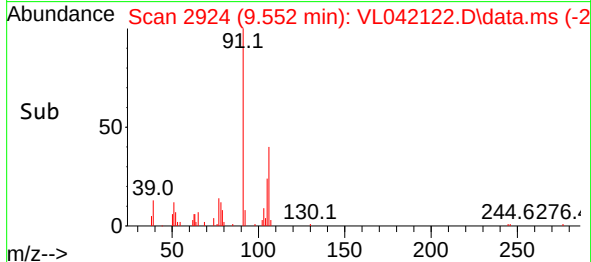
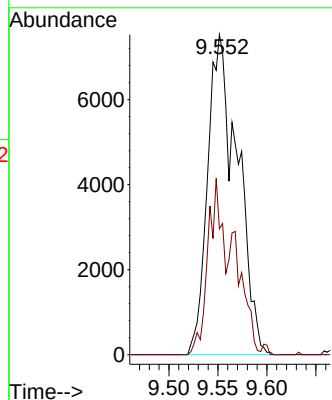
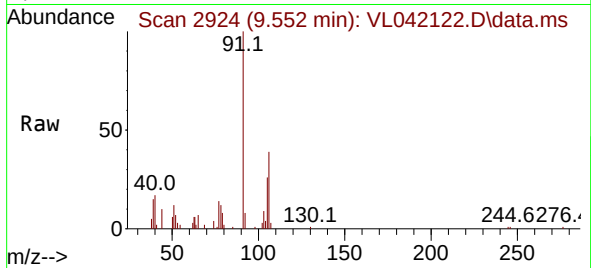
#59
m/p-Xylene
Concen: 0.337 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Instrument :
MSVOA_L
ClientSampleId :
1DUP

Tgt Ion: 91 Resp: 15948
Ion Ratio Lower Upper
91 100
106 47.2 0.0 0.0

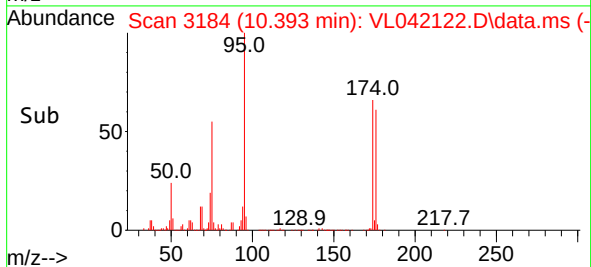
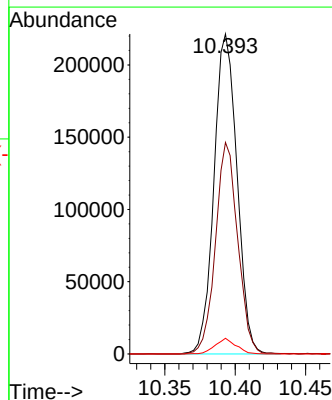
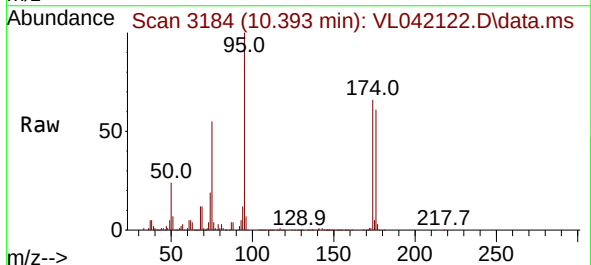
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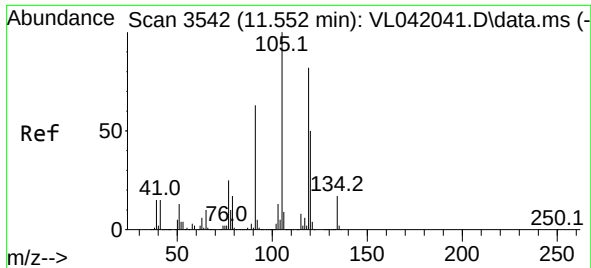
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.146 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

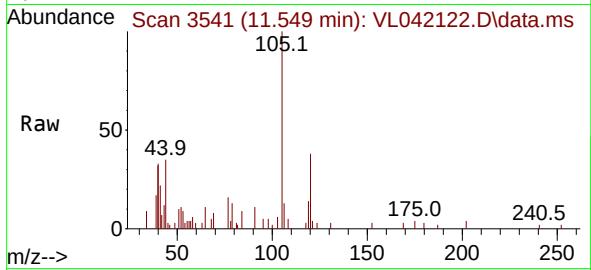
Tgt Ion: 95 Resp: 251994
Ion Ratio Lower Upper
95 100
174 64.1 51.8 77.6
175 4.5 3.9 5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.048 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042122.D
Acq: 10 Mar 2025 13:32

Instrument : MSVOA_L
ClientSampleId : 1DUP



Tgt Ion:	105	Resp:	2738
Ion	Ratio	Lower	Upper
105	100		
120	38.0	40.2	60.2
91	10.8	51.4	77.2
77	16.4	20.1	30.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

