

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042290.D
 Acq On : 09 Apr 2025 13:25
 Operator : SY/MD
 Sample : Q1665-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-DUP-1-3242025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

Quant Time: Apr 10 01:43:08 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

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	2.784	49	159221	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	408039	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	345931	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	258960	9.116	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.496	85	9289	0.395	ppbv	96
3) Chlorodifluoromethane	1.473	51	7907m	0.329	ppbv	
4) Chloromethane	1.531	50	5425	0.565	ppbv	93
9) Propene	1.486	41	9320	0.847	ppbv #	80
10) Heptane	4.972	43	3212m	0.110	ppbv	
11) Trichlorofluoromethane	1.874	101	4760	0.208	ppbv	94
13) Ethanol	1.719	45	13916	13.373	ppbv	84
15) Acetone	1.835	43	79179	3.556	ppbv	93
19) Isopropyl Alcohol	1.884	45	22614	1.800	ppbv #	35
20) Methylene Chloride	2.059	84	7901	0.953	ppbv	93
26) Hexane	2.823	57	34660	1.553	ppbv #	37
34) 2-Butanone	2.561	43	10562	0.357	ppbv	99
35) Carbon Tetrachloride	3.761	117	2251m	0.071	ppbv	
36) Benzene	3.651	78	9975m	0.247	ppbv	
53) Toluene	6.930	91	15442m	0.322	ppbv	
59) m/p-Xylene	9.529	91	6464m	0.132	ppbv	

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

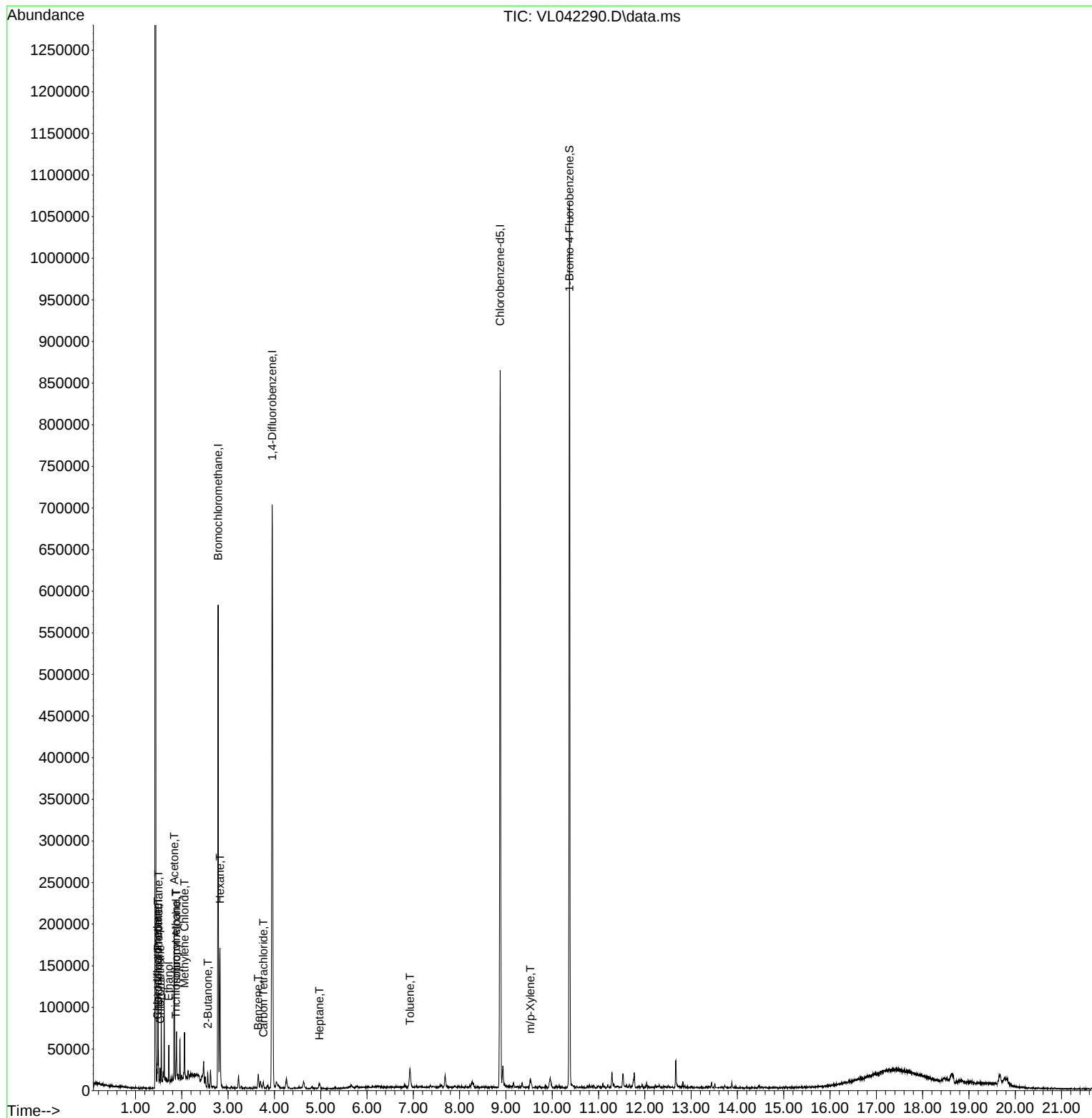
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
Data File : VL042290.D
Acq On : 09 Apr 2025 13:25
Operator : SY/MD
Sample : Q1665-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

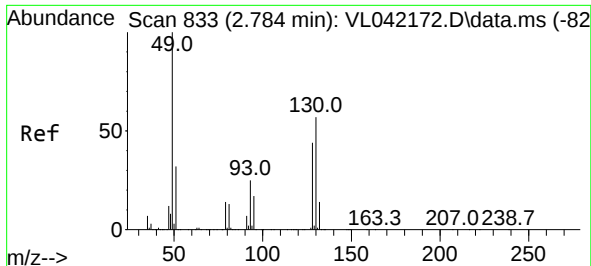
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025

Quant Time: Apr 10 01:43:08 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

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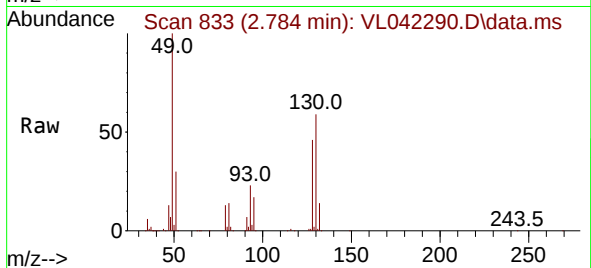
Reviewed By : Semsettin Yesilyurt 04/10/2025
Supervised By : Mahesh Dadoda 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

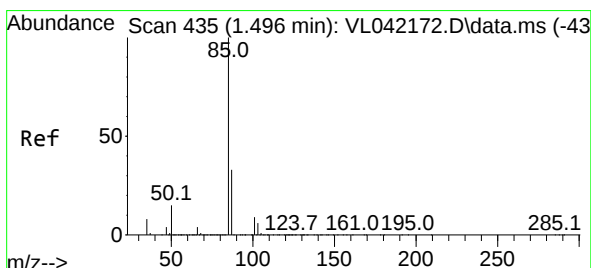
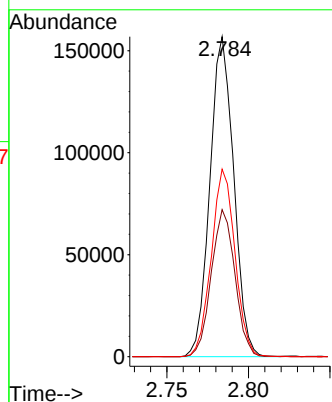
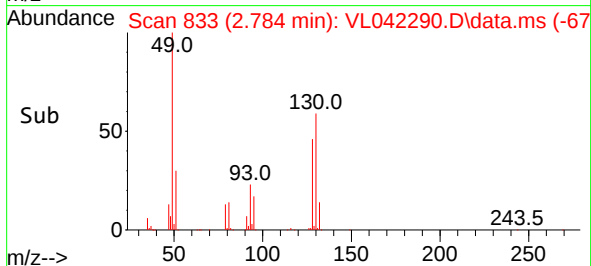
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025



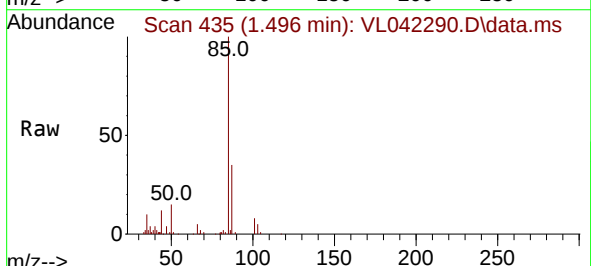
Tgt Ion: 49 Resp: 15922
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 58.4 28.8 86.4

Manual Integrations
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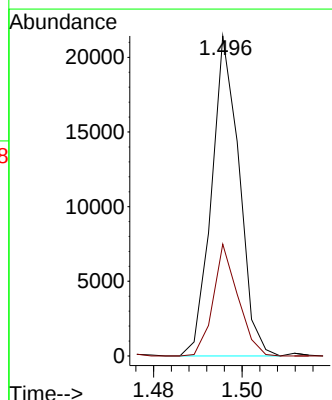
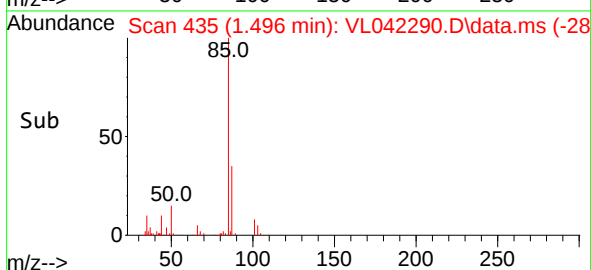
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#2
Dichlorodifluoromethane
Concen: 0.395 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25



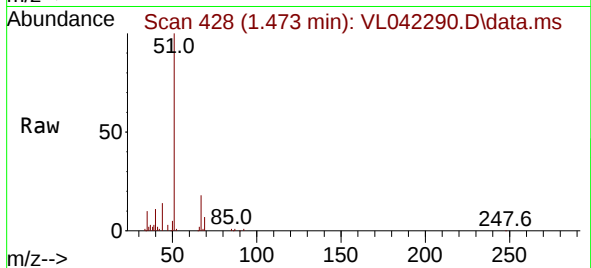
Tgt Ion: 85 Resp: 9289
Ion Ratio Lower Upper
85 100
87 34.9 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.329 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

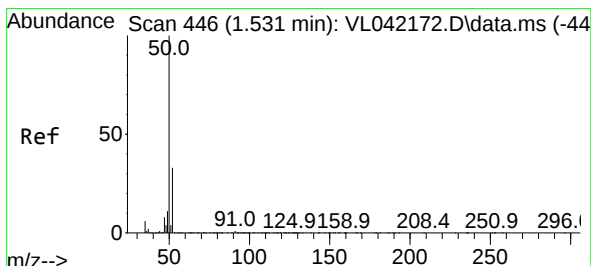
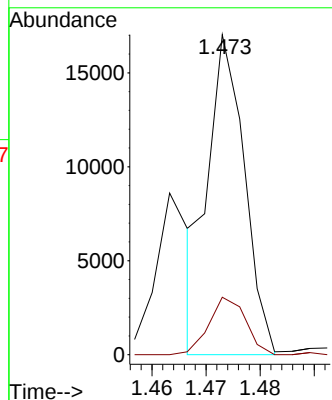
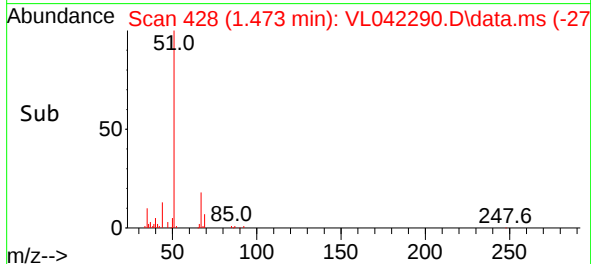
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025



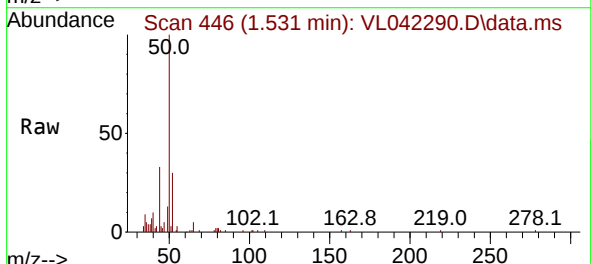
Tgt Ion: 51 Resp: 790
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.6

Manual Integrations
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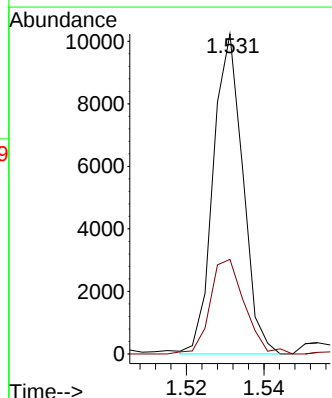
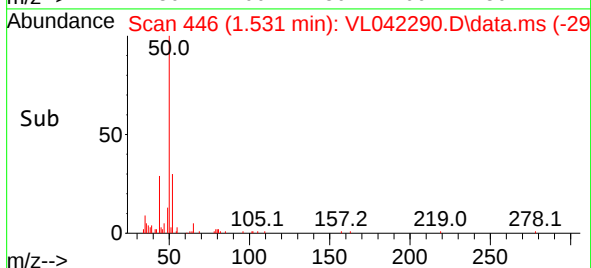
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

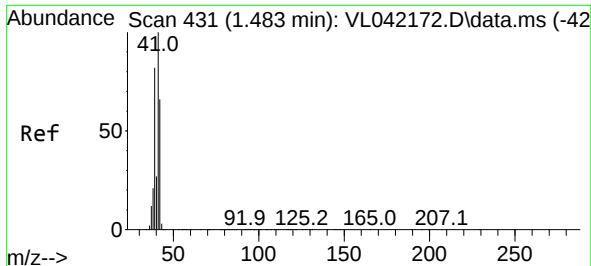


#4
Chloromethane
Concen: 0.565 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25



Tgt Ion: 50 Resp: 5425
Ion Ratio Lower Upper
50 100
52 28.9 26.1 39.1





#9

Propene

Concen: 0.847 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042290.D

Acq: 09 Apr 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

AA-DUP-1-3242025

Tgt Ion: 41 Resp: 9320

Ion Ratio Lower Upper

41 100

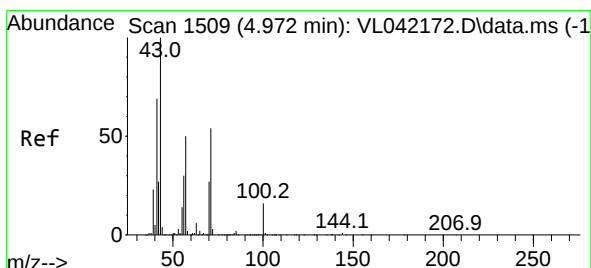
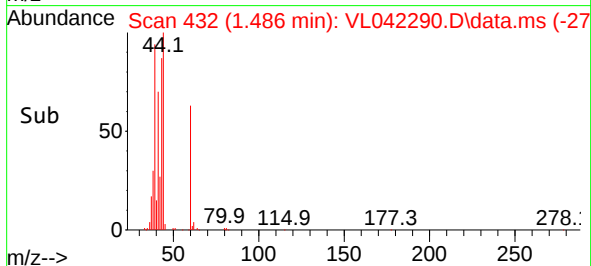
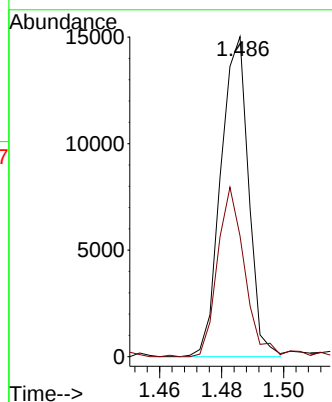
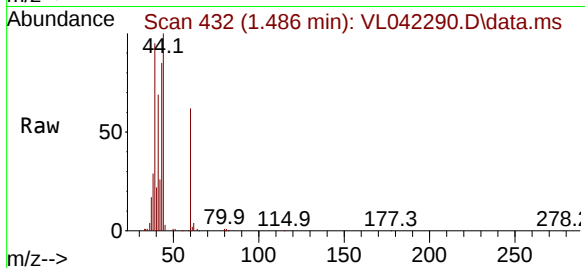
42 52.7 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#10

Heptane

Concen: 0.110 ppbv m

RT: 4.972 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VL042290.D

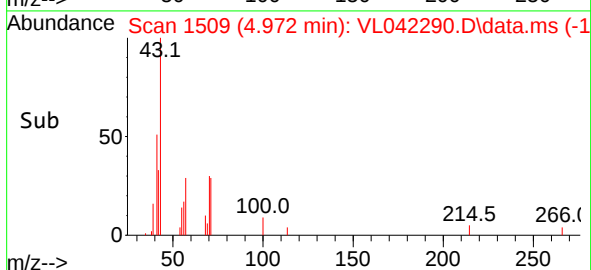
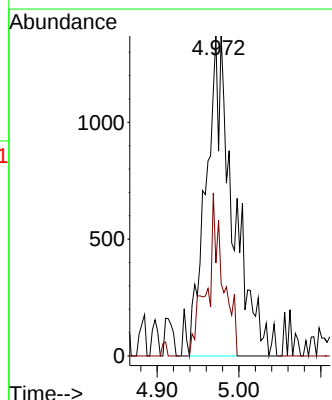
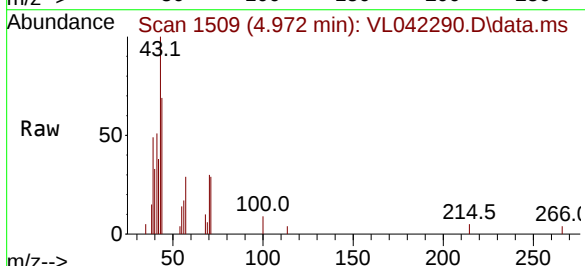
Acq: 09 Apr 2025 13:25

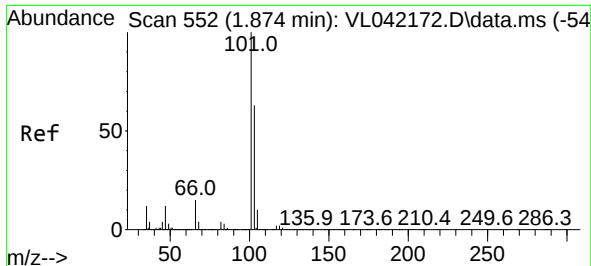
Tgt Ion: 43 Resp: 3212

Ion Ratio Lower Upper

43 100

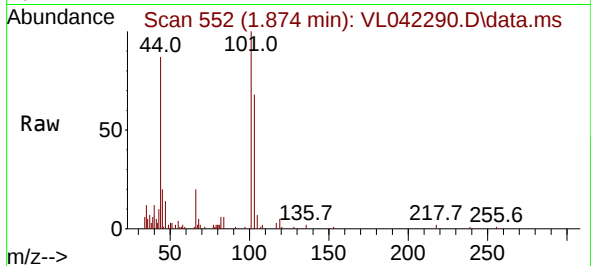
57 29.6 39.4 59.2





#11
Trichlorofluoromethane
Concen: 0.208 ppbv
RT: 1.874 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

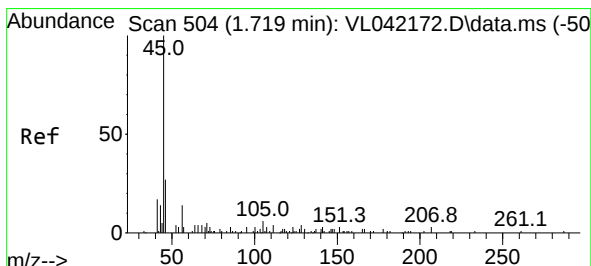
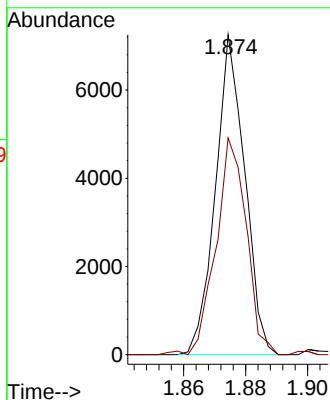
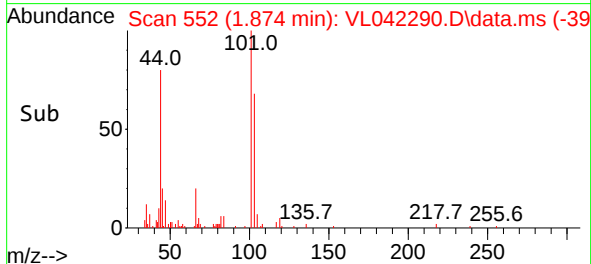
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025



Tgt Ion:101 Resp: 4760
Ion Ratio Lower Upper
101 100
103 67.7 50.2 75.2

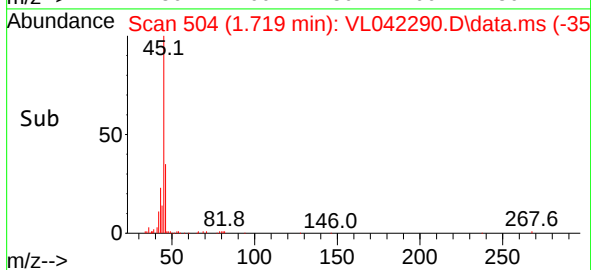
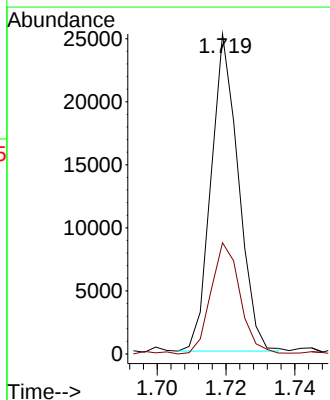
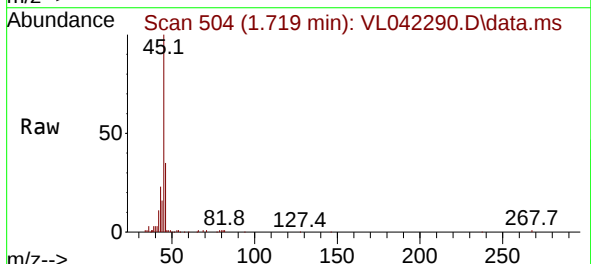
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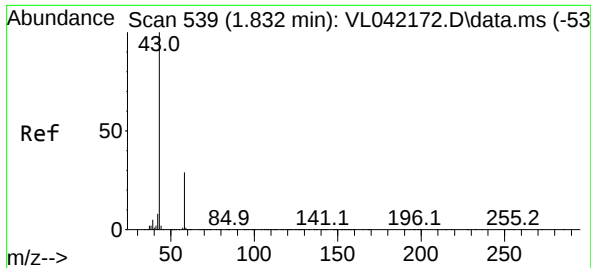
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#13
Ethanol
Concen: 13.373 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

Tgt Ion: 45 Resp: 13916
Ion Ratio Lower Upper
45 100
46 39.5 20.2 80.8





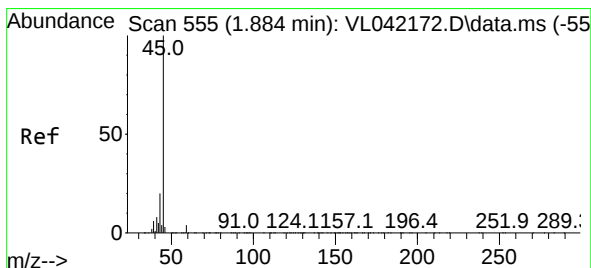
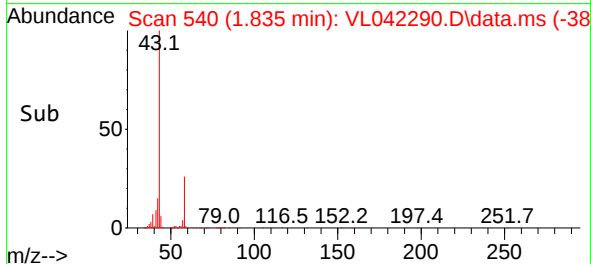
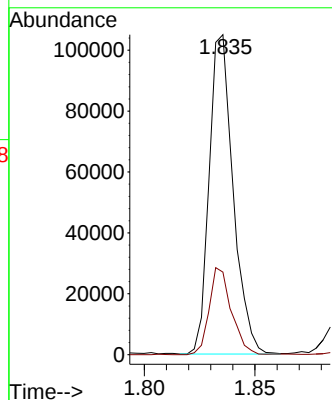
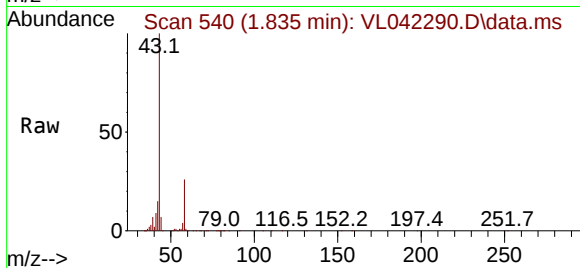
#15
Acetone
Concen: 3.556 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025

Tgt Ion: 43 Resp: 79179
Ion Ratio Lower Upper
43 100
58 25.4 23.2 34.8

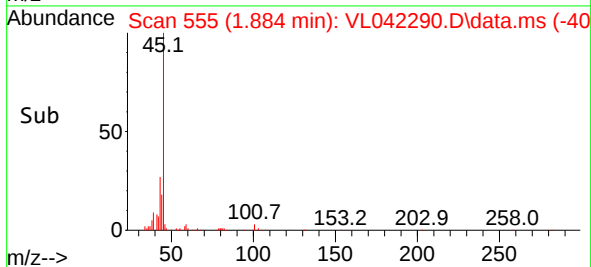
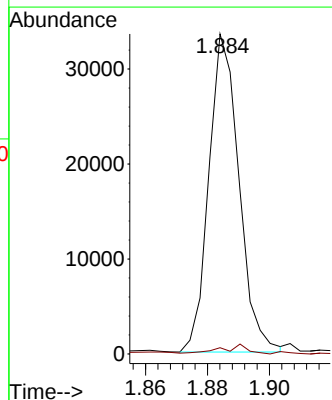
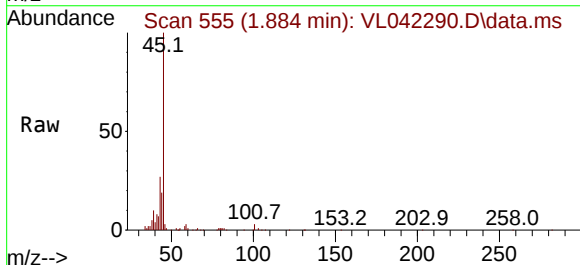
Manual Integrations
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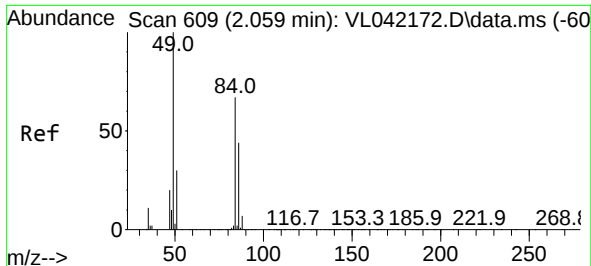
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#19
Isopropyl Alcohol
Concen: 1.800 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

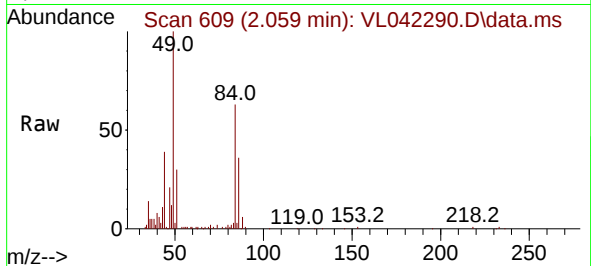
Tgt Ion: 45 Resp: 22614
Ion Ratio Lower Upper
45 100
58 89.0 36.9 55.3#





#20
Methylene Chloride
Concen: 0.953 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

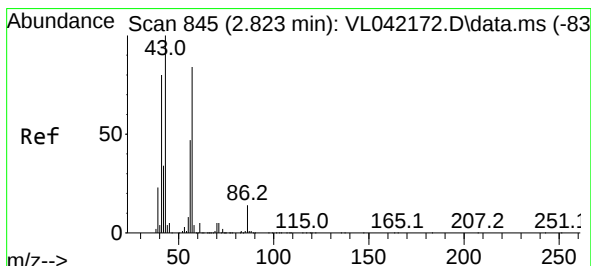
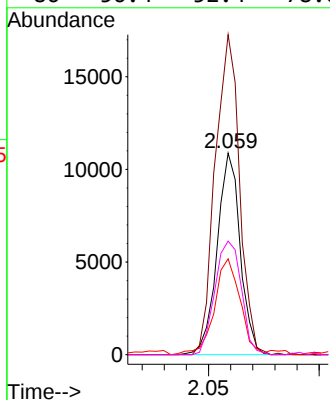
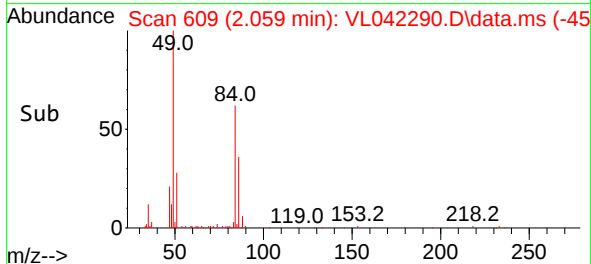
Instrument : MSVOA_L
ClientSampleId : AA-DUP-1-3242025



Tgt Ion:	84	Resp:	790
Ion	Ratio	Lower	Upper
84	100		
49	158.8	120.2	180.4
51	47.0	37.4	56.0
86	56.4	52.4	78.6

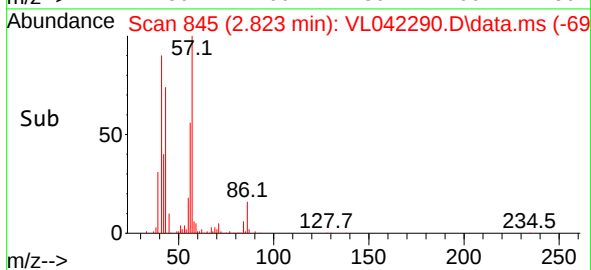
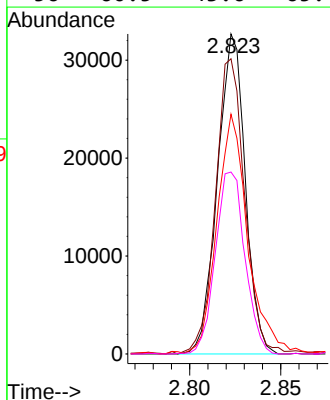
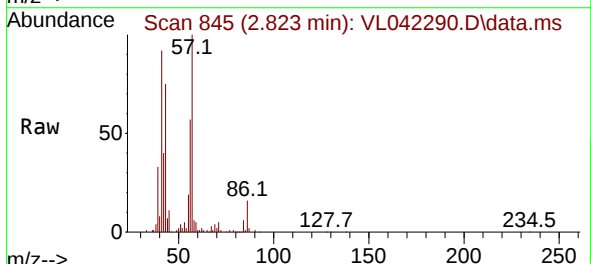
Manual Integrations
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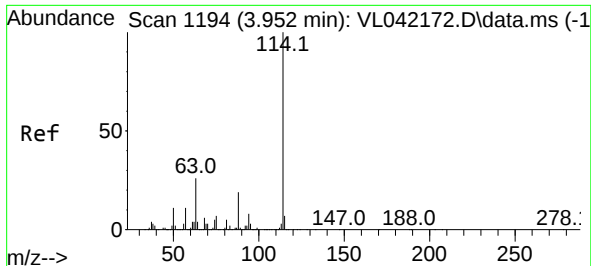
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#26
Hexane
Concen: 1.553 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

Tgt Ion:	57	Resp:	34660
Ion	Ratio	Lower	Upper
57	100		
41	96.0	76.6	114.8
43	85.4	207.8	311.8#
56	60.5	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VL042290.D

Acq: 09 Apr 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

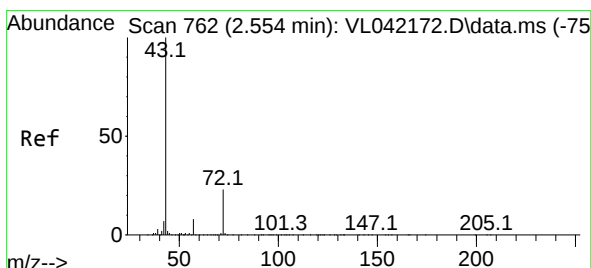
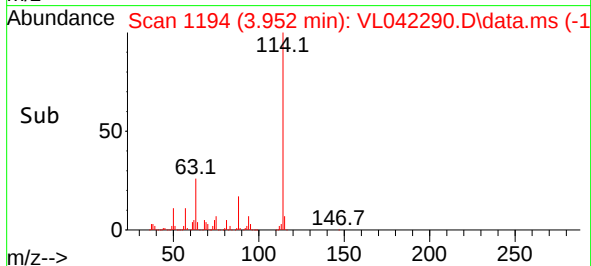
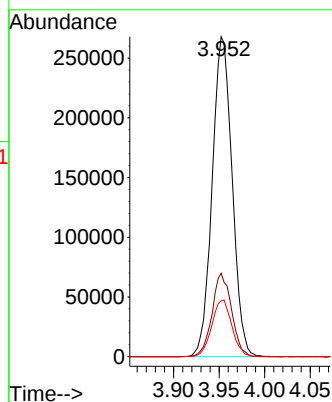
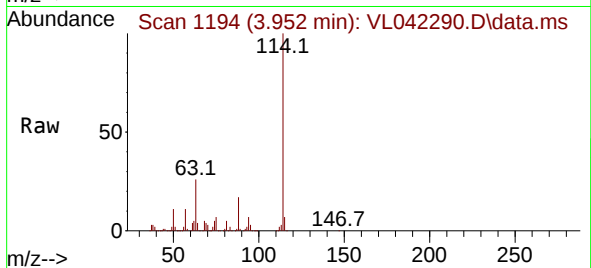
AA-DUP-1-3242025

Tgt Ion:	114	Resp:	408039
Ion Ratio	Lower	Upper	
114	100		
63	25.4	20.7	31.1
88	17.8	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#34

2-Butanone

Concen: 0.357 ppbv

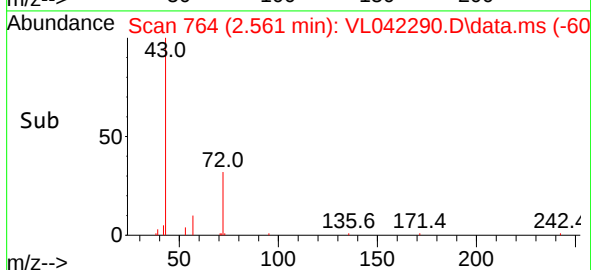
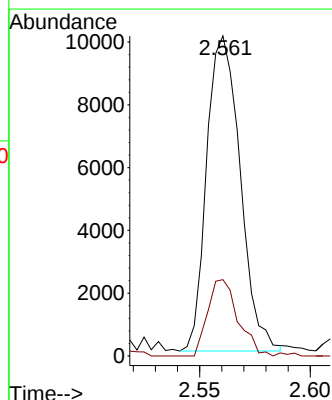
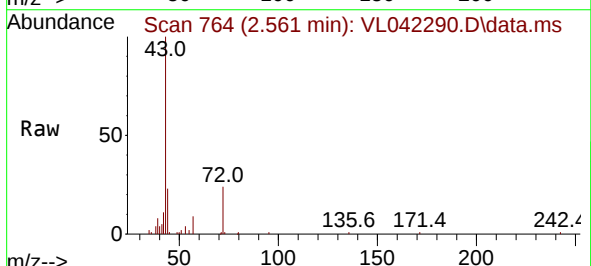
RT: 2.561 min Scan# 764

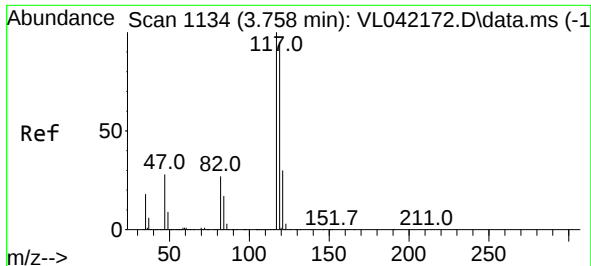
Delta R.T. 0.006 min

Lab File: VL042290.D

Acq: 09 Apr 2025 13:25

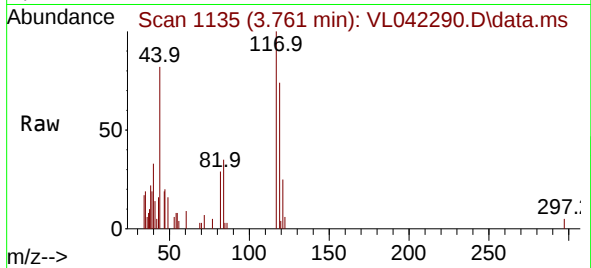
Tgt Ion:	43	Resp:	10562
Ion Ratio	Lower	Upper	
43	100		
72	22.3	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

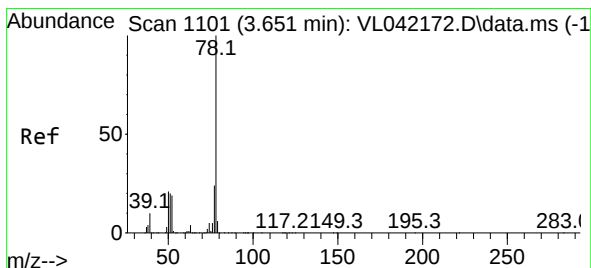
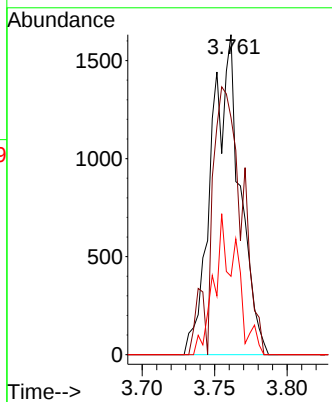
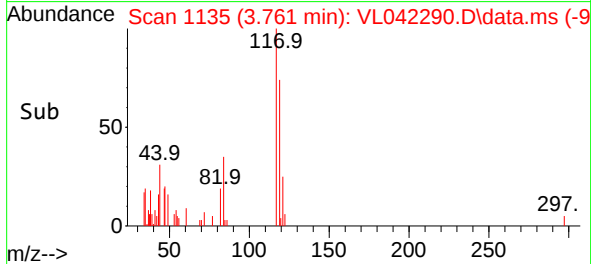
Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025



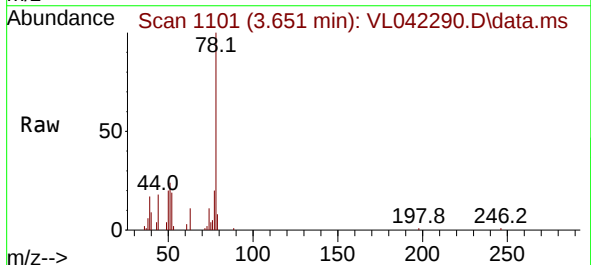
Tgt Ion: 117 Resp: 225
Ion Ratio Lower Upper
117 100
119 74.1 76.2 114.2
121 24.5 24.2 36.4

Manual Integrations
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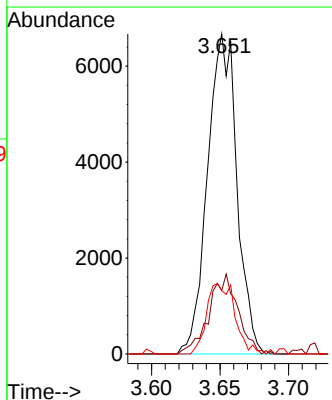
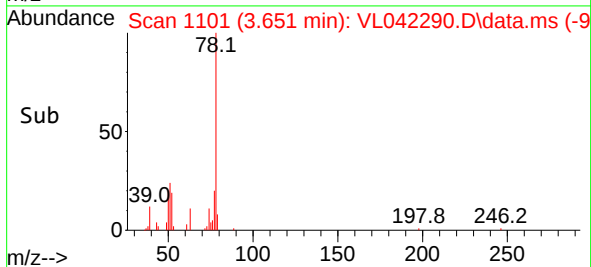
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

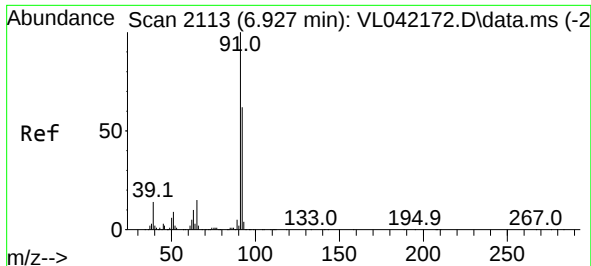


#36
Benzene
Concen: 0.247 ppbv m
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25



Tgt Ion: 78 Resp: 9975
Ion Ratio Lower Upper
78 100
77 19.9 19.1 28.7
50 19.8 16.6 24.8





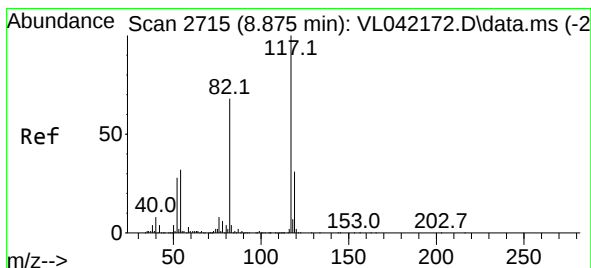
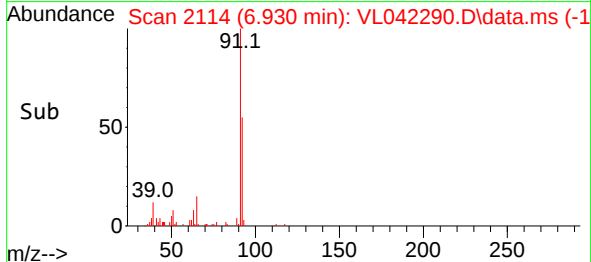
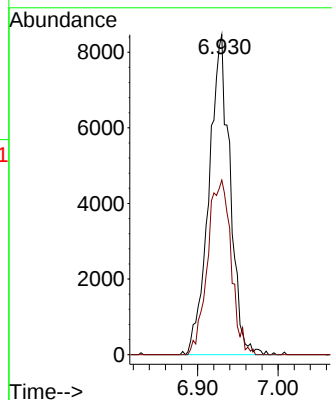
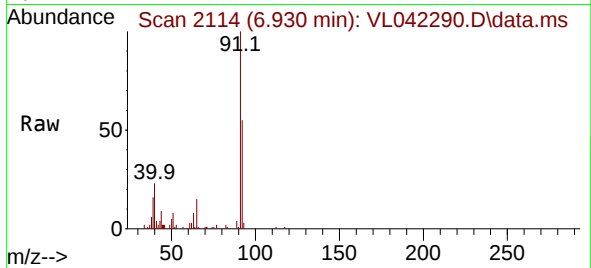
#53
Toluene
Concen: 0.322 ppbv m
RT: 6.930 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
AA-DUP-1-3242025

Tgt Ion: 91 Resp: 1544
Ion Ratio Lower Upper
91 100
92 60.7 48.4 72.6

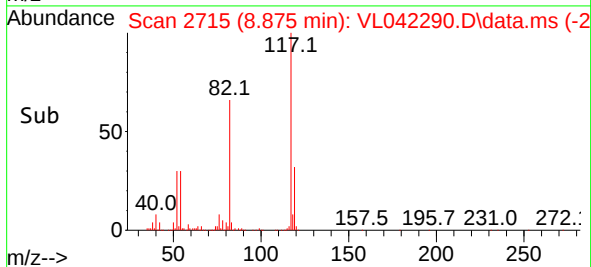
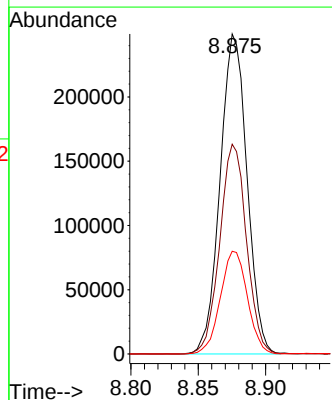
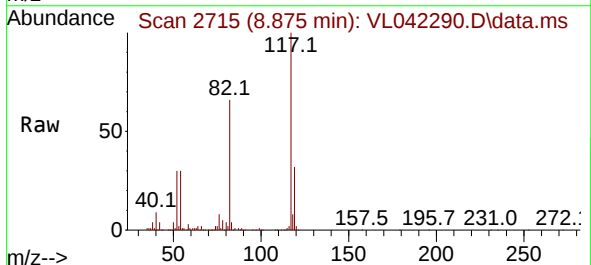
Manual Integrations
APPROVED

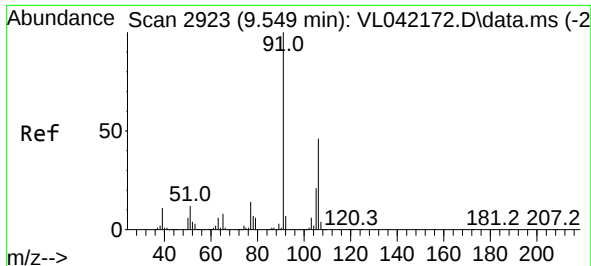
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042290.D
Acq: 09 Apr 2025 13:25

Tgt Ion:117 Resp: 345931
Ion Ratio Lower Upper
117 100
82 65.1 55.8 83.6
119 32.4 25.5 38.3





#59

m/p-Xylene

Concen: 0.132 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. -0.020 min

Lab File: VL042290.D

Acq: 09 Apr 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

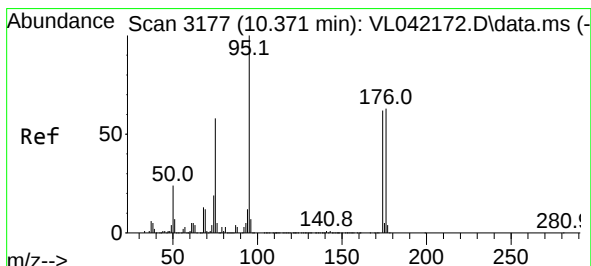
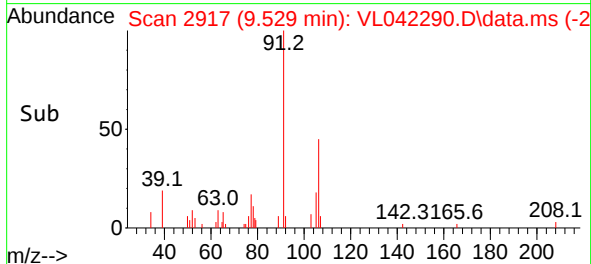
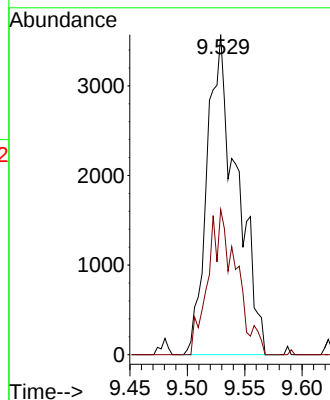
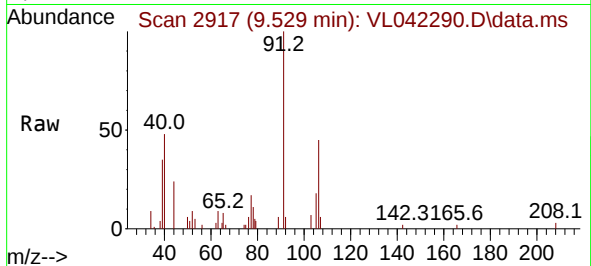
AA-DUP-1-3242025

Tgt Ion: 91 Resp: 6464
 Ion Ratio Lower Upper
 91 100
 106 0.0 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.116 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042290.D

Acq: 09 Apr 2025 13:25

Tgt Ion: 95 Resp: 258960
 Ion Ratio Lower Upper
 95 100
 174 63.3 50.6 76.0
 175 4.8 3.8 5.6

