

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042303.D
 Acq On : 10 Apr 2025 11:56
 Operator : SY/MD
 Sample : Q1772-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:56:48 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	193225	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	482161	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	409076	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	309434	9.211	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	10639	0.373	ppbv	99
3) Chlorodifluoromethane	1.473	51	12737m	0.437	ppbv	
4) Chloromethane	1.531	50	9157	0.785	ppbv	97
9) Propene	1.486	41	173135	12.960	ppbv #	62
11) Trichlorofluoromethane	1.877	101	7035	0.253	ppbv	100
13) Ethanol	1.732	45	3500698	2772.094	ppbv	81
15) Acetone	1.835	43	200683	7.426	ppbv	98
19) Isopropyl Alcohol	1.887	45	74380	4.878	ppbv #	47
20) Methylene Chloride	2.059	84	5015	0.498	ppbv #	90
25) Ethyl Acetate	2.836	43	96942	1.382	ppbv #	93
29) Chloroform	2.845	83	18198	0.459	ppbv	96
34) 2-Butanone	2.560	43	27194	0.778	ppbv	100
35) Carbon Tetrachloride	3.761	117	3102m	0.082	ppbv	
36) Benzene	3.648	78	14521	0.304	ppbv #	89
53) Toluene	6.923	91	14342	0.253	ppbv	99
59) m/p-Xylene	9.529	91	6113m	0.105	ppbv	
76) 1,4-Dichlorobenzene	11.672	146	7765	0.195	ppbv	90

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

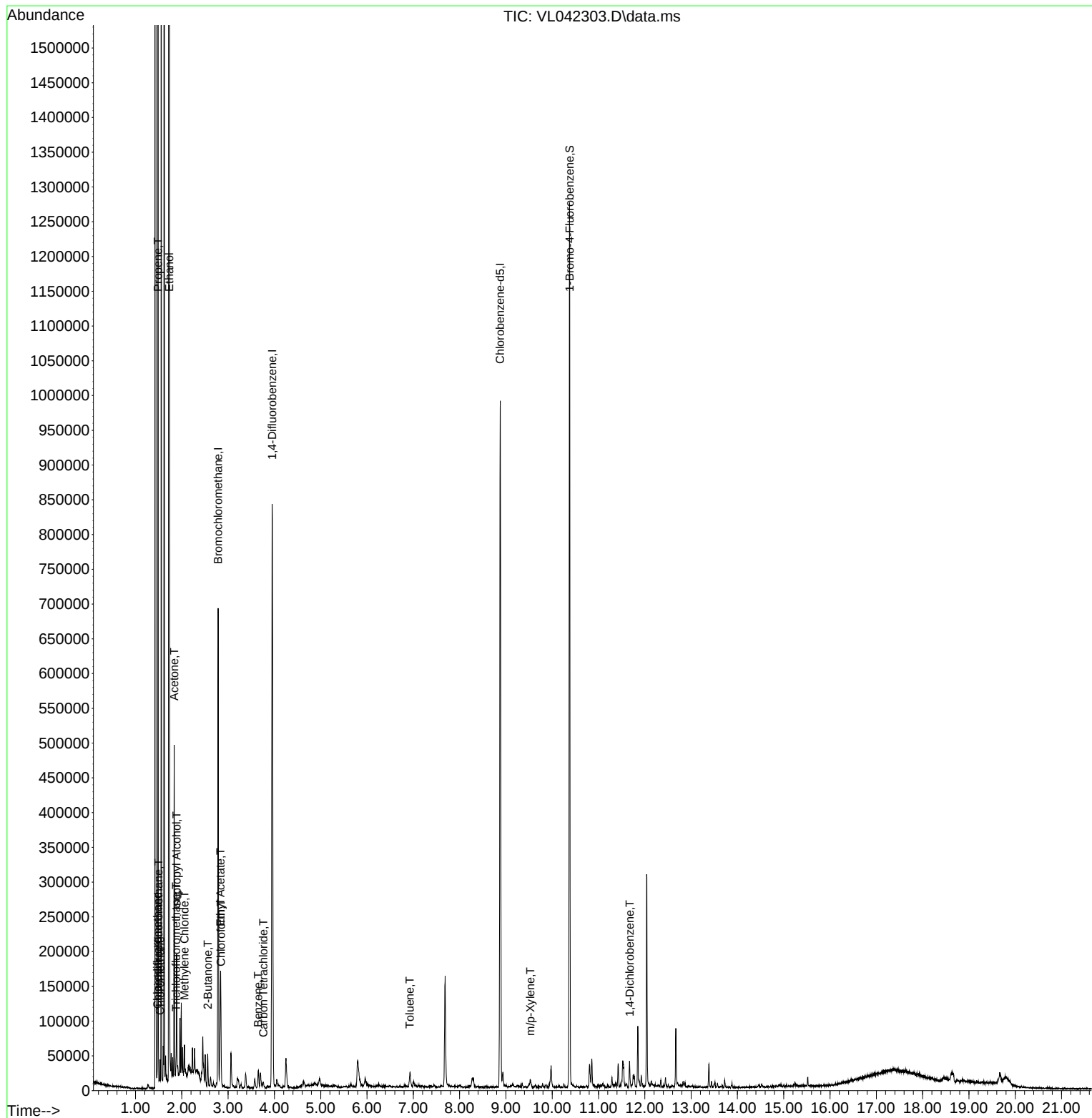
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042303.D
Acq On : 10 Apr 2025 11:56
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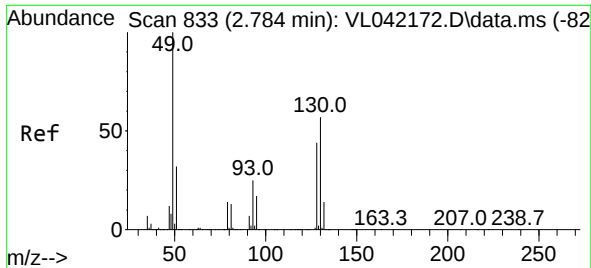
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 11 01:56:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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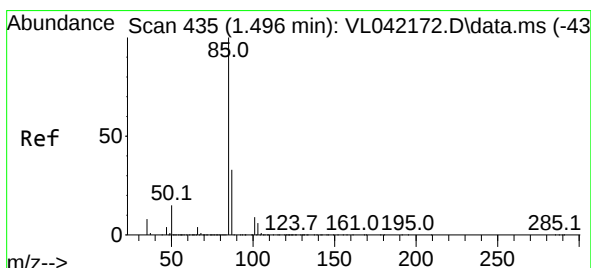
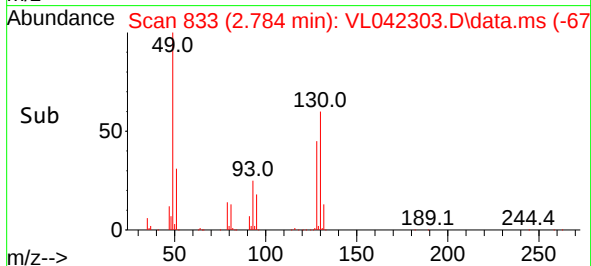
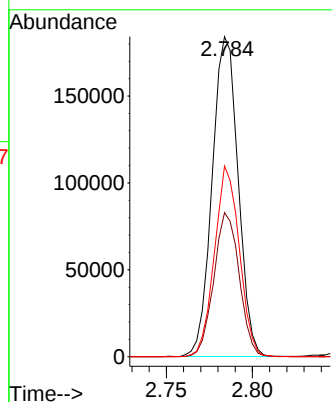
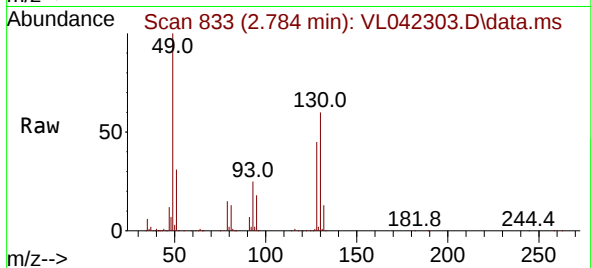
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 193225
Ion Ratio Lower Upper
49 100
128 44.1 22.9 68.5
130 57.1 28.8 86.4

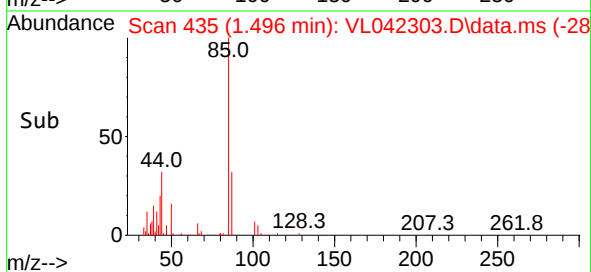
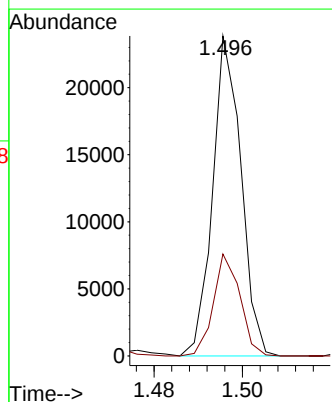
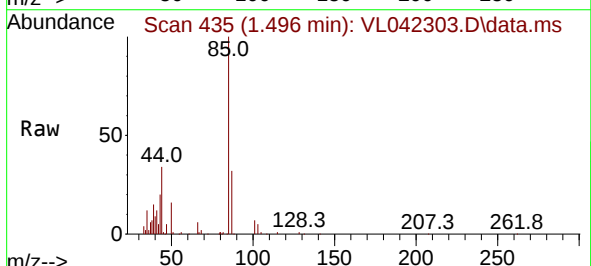
Manual Integrations
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Supervised By :Mahesh Dadoda 04/11/2025



#2
Dichlorodifluoromethane
Concen: 0.373 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

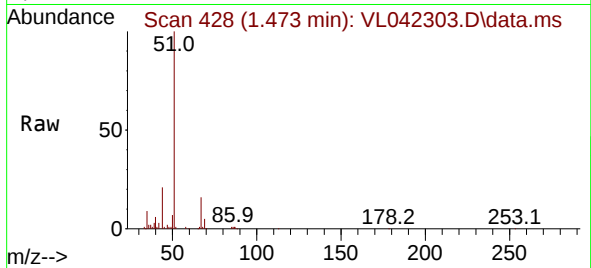
Tgt Ion: 85 Resp: 10639
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.437 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

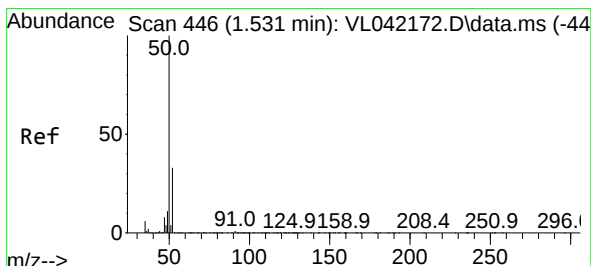
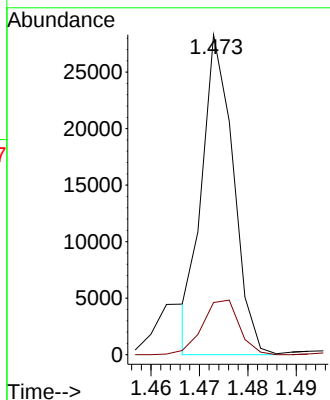
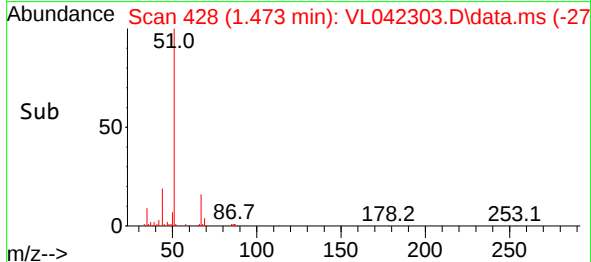
Instrument :
MSVOA_L
ClientSampleId :
IA1



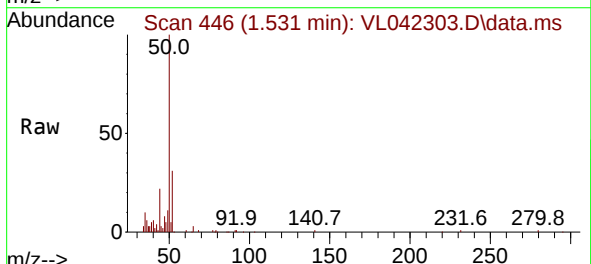
Tgt Ion: 51 Resp: 1273
Ion Ratio Lower Upper
51 100
67 20.7 15.0 22.6

Manual Integrations
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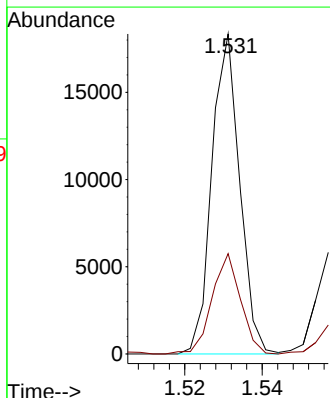
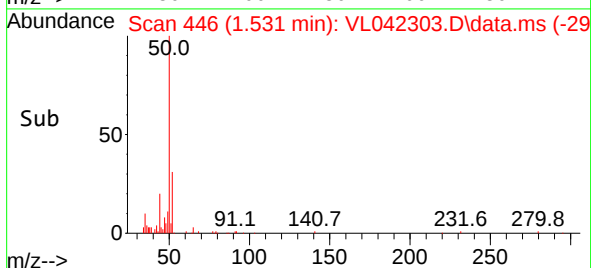
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

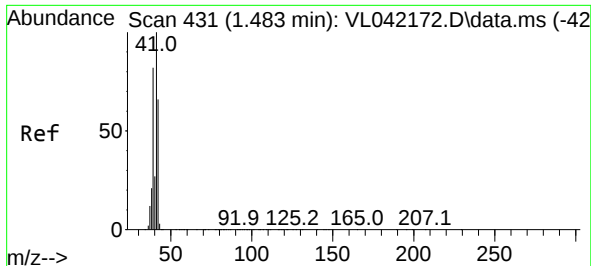


#4
Chloromethane
Concen: 0.785 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56



Tgt Ion: 50 Resp: 9157
Ion Ratio Lower Upper
50 100
52 31.0 26.1 39.1





#9

Propene

Concen: 12.960 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042303.D

Acq: 10 Apr 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 17313

Ion Ratio Lower Upper

41 100

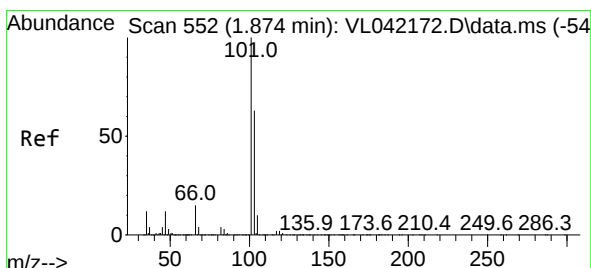
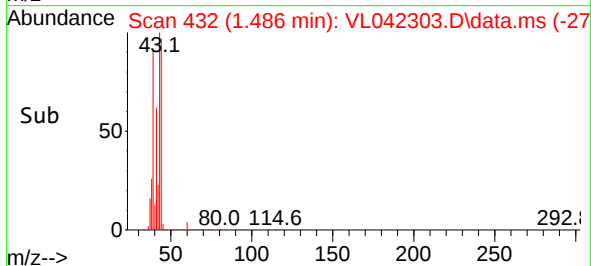
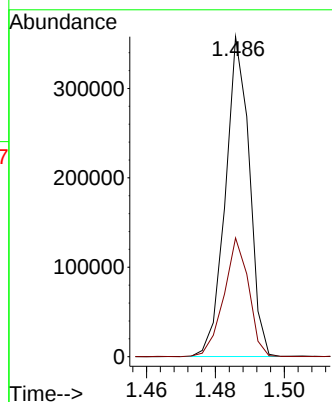
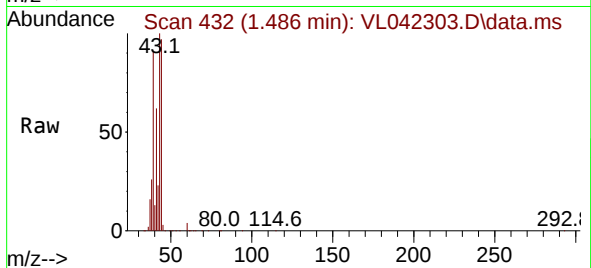
42 38.7 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#11

Trichlorofluoromethane

Concen: 0.253 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042303.D

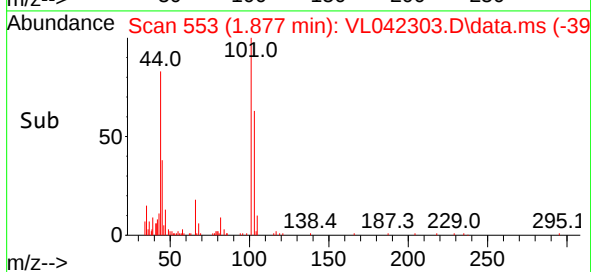
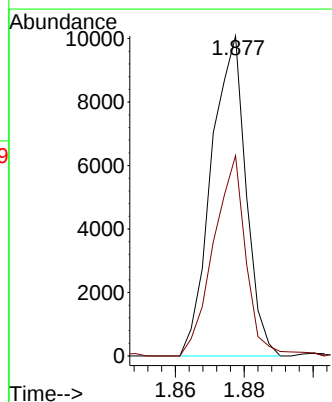
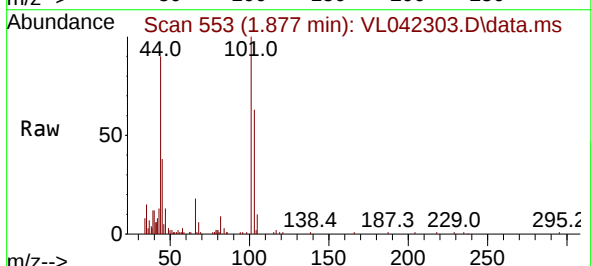
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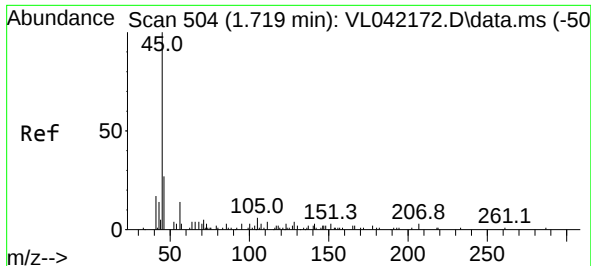
Tgt Ion:101 Resp: 7035

Ion Ratio Lower Upper

101 100

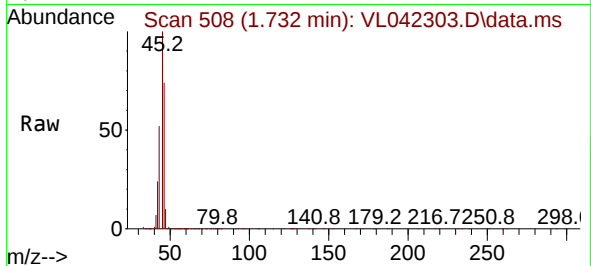
103 62.6 50.2 75.2





#13
Ethanol
Concen: 2772.094 ppbv
RT: 1.732 min Scan# 50
Delta R.T. 0.013 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

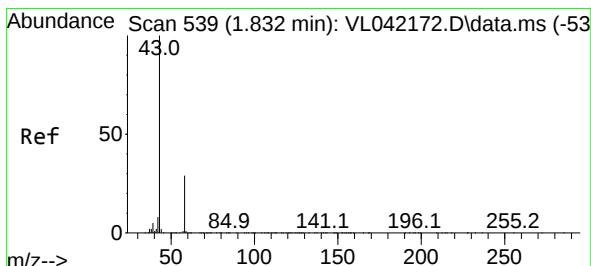
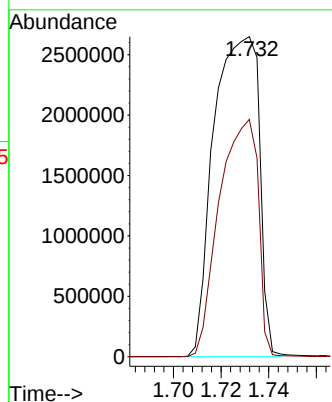
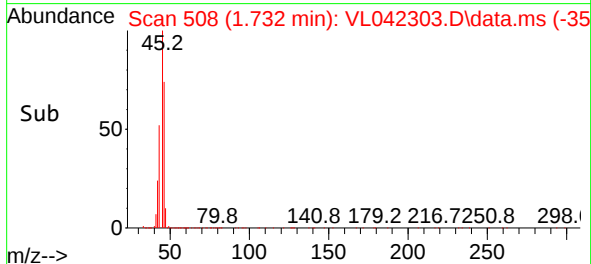
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 3500698
Ion Ratio Lower Upper
45 100
46 63.6 20.2 80.8

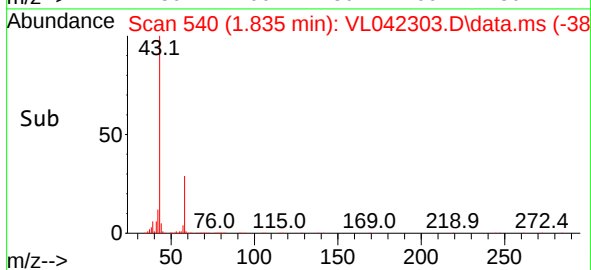
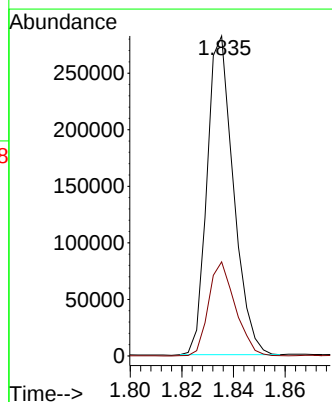
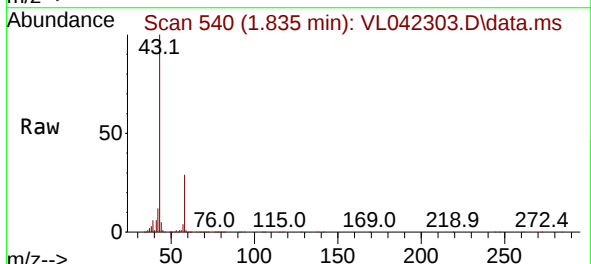
Manual Integrations
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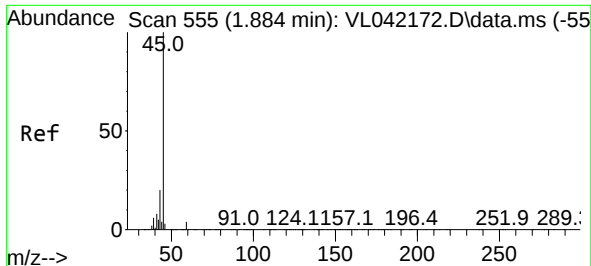
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#15
Acetone
Concen: 7.426 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

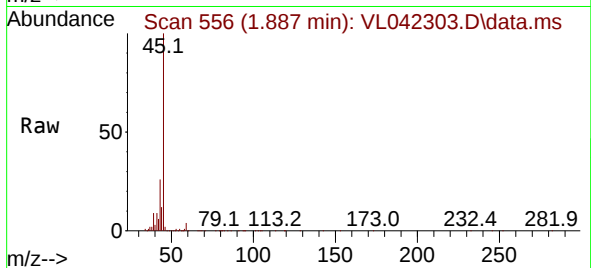
Tgt Ion: 43 Resp: 200683
Ion Ratio Lower Upper
43 100
58 30.1 23.2 34.8





#19
Isopropyl Alcohol
Concen: 4.878 ppbv
RT: 1.887 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

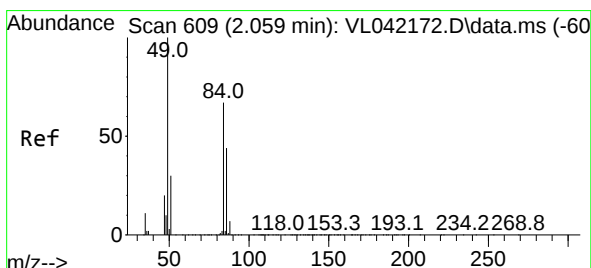
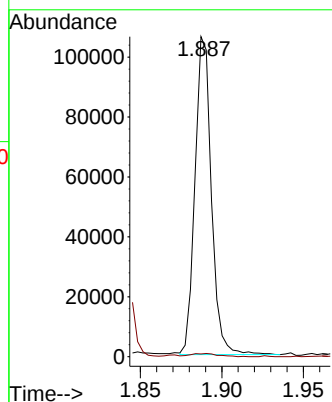
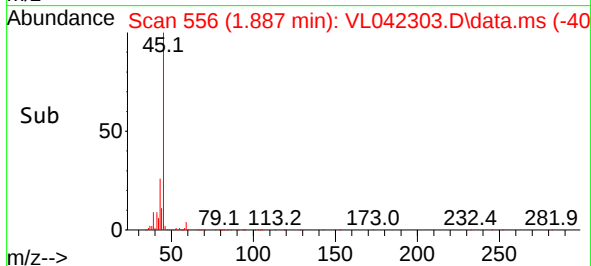
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 74380
Ion Ratio Lower Upper
45 100
58 81.1 36.9 55.3

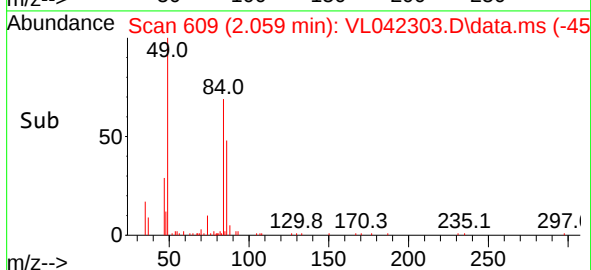
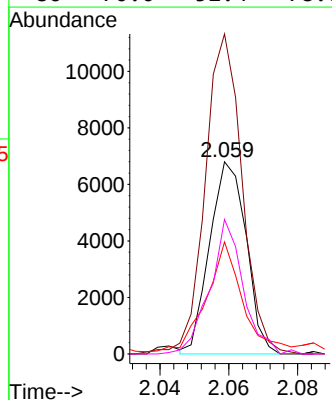
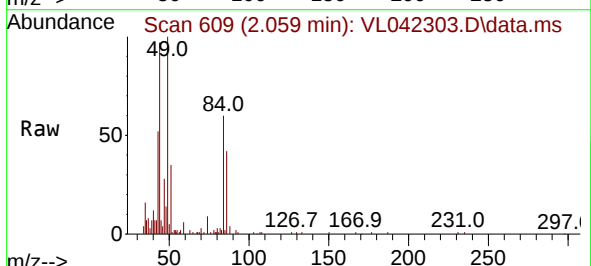
Manual Integrations
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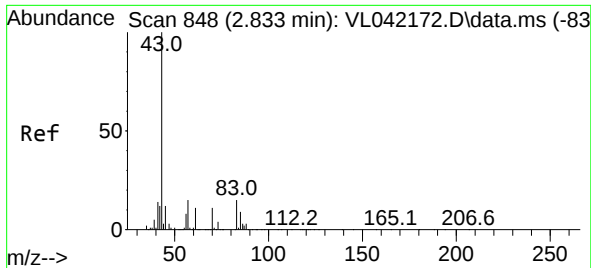
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#20
Methylene Chloride
Concen: 0.498 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

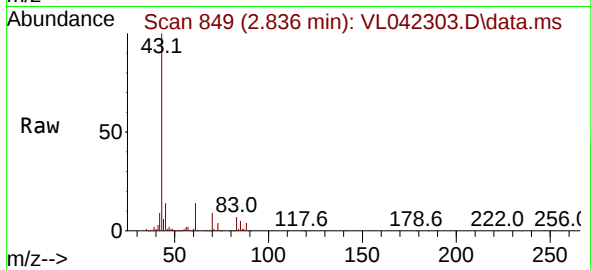
Tgt Ion: 84 Resp: 5015
Ion Ratio Lower Upper
84 100
49 164.4 120.2 180.4
51 56.6 37.4 56.0
86 70.0 52.4 78.6





#25
Ethyl Acetate
Concen: 1.382 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

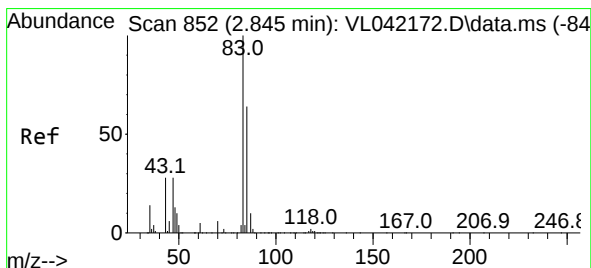
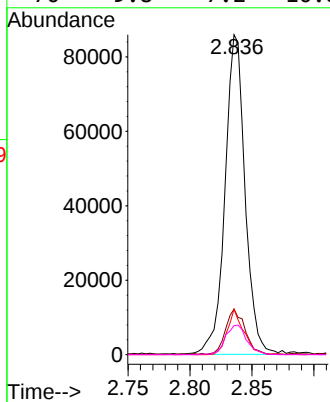
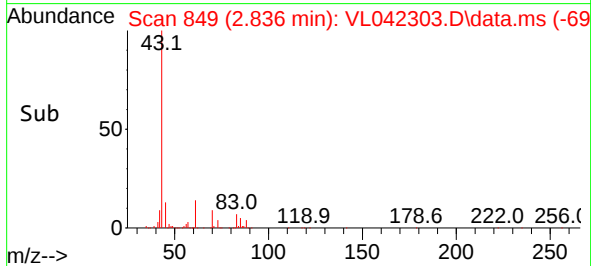
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 9694
Ion Ratio Lower Upper
43 100
45 14.4 8.2 12.2
61 11.8 7.3 10.9
70 9.8 7.2 10.8

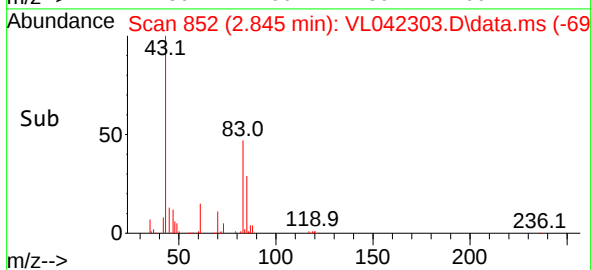
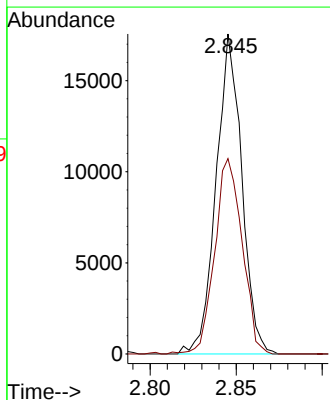
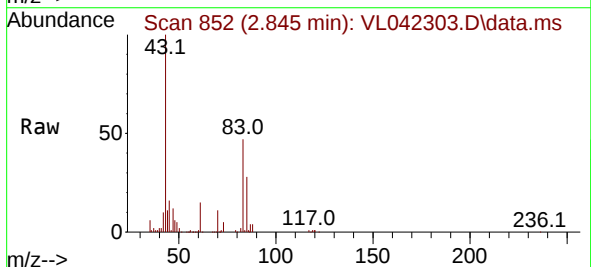
Manual Integrations
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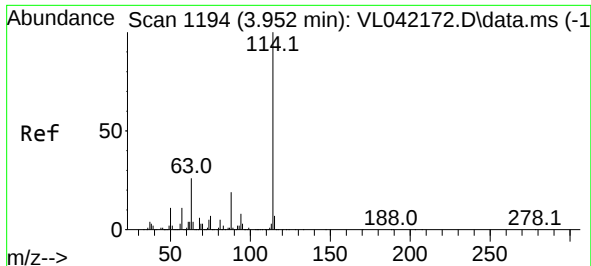
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#29
Chloroform
Concen: 0.459 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

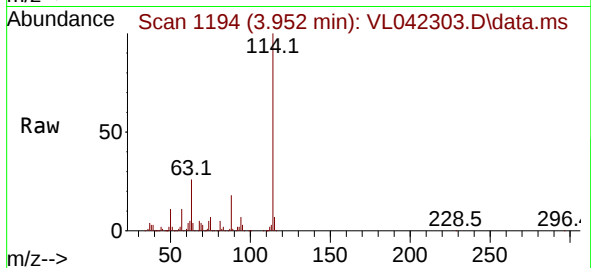
Tgt Ion: 83 Resp: 18198
Ion Ratio Lower Upper
83 100
85 61.1 51.4 77.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

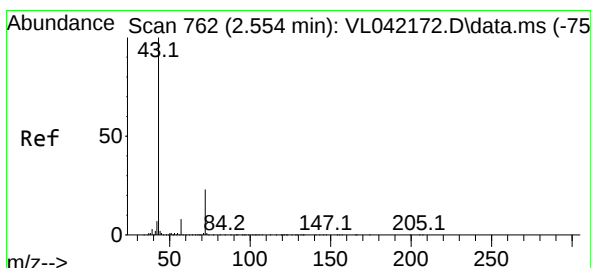
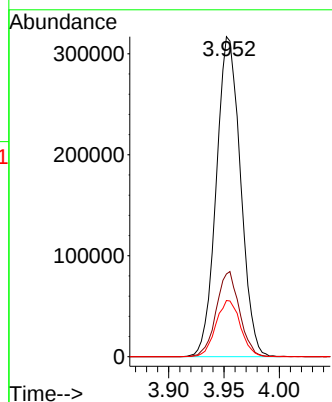
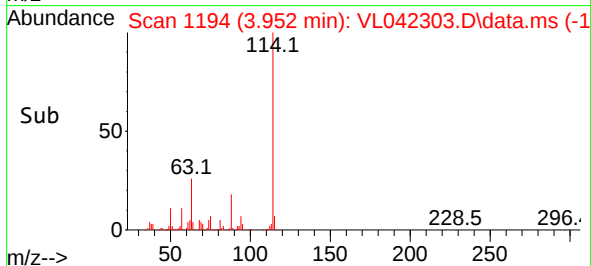
Instrument :
MSVOA_L
ClientSampleId :
IA1



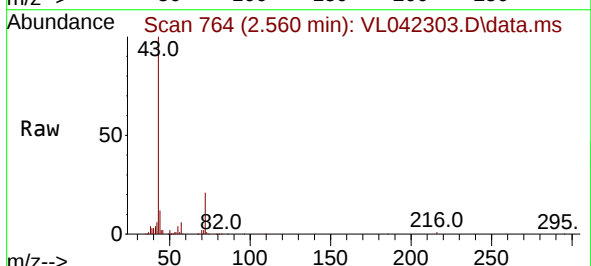
Tgt Ion:114 Resp: 48216
Ion Ratio Lower Upper
114 100
63 25.7 20.7 31.1
88 17.8 15.0 22.4

Manual Integrations
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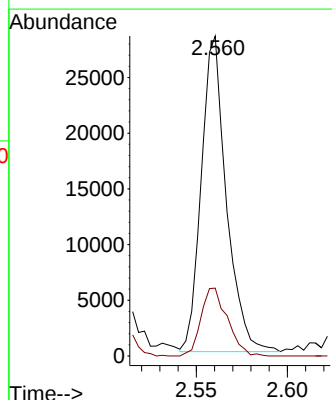
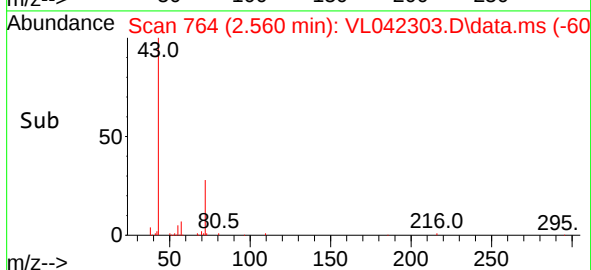
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

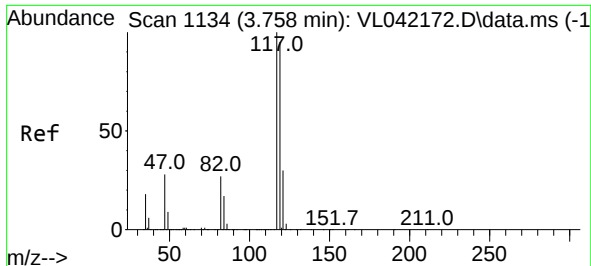


#34
2-Butanone
Concen: 0.778 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56



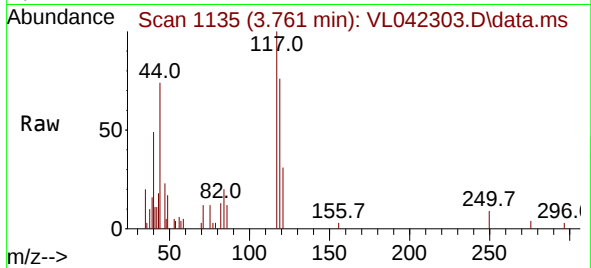
Tgt Ion: 43 Resp: 27194
Ion Ratio Lower Upper
43 100
72 22.6 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

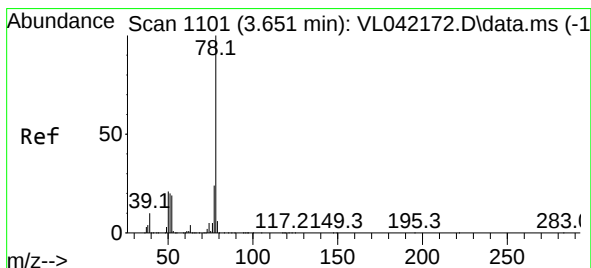
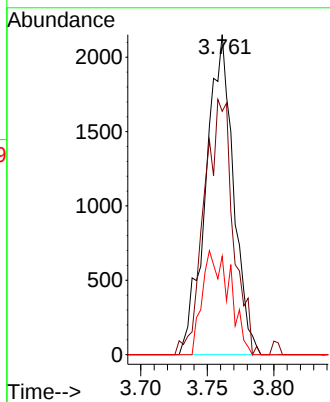
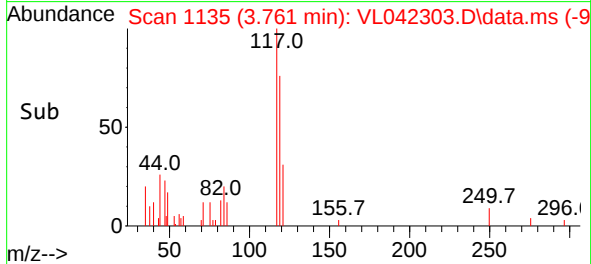
Instrument :
MSVOA_L
ClientSampleId :
IA1



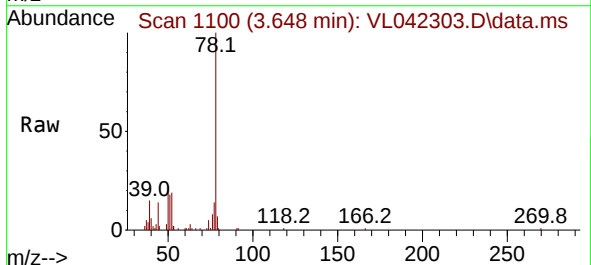
Tgt Ion: 117 Resp: 3102
Ion Ratio Lower Upper
117 100
119 76.0 76.2 114.2
121 30.7 24.2 36.4

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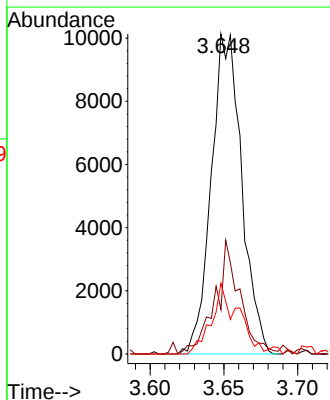
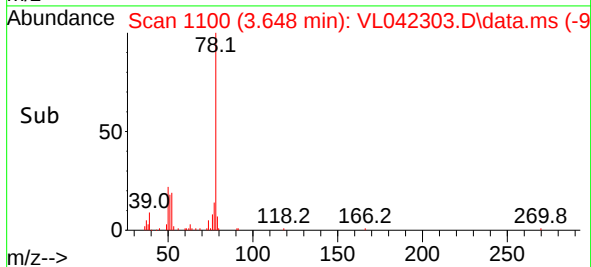
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

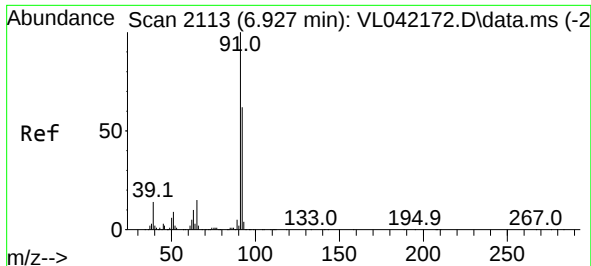


#36
Benzene
Concen: 0.304 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56



Tgt Ion: 78 Resp: 14521
Ion Ratio Lower Upper
78 100
77 13.9 19.1 28.7#
50 21.1 16.6 24.8





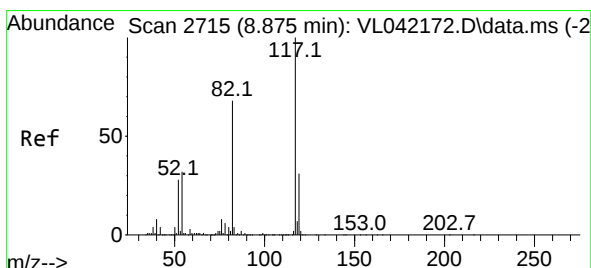
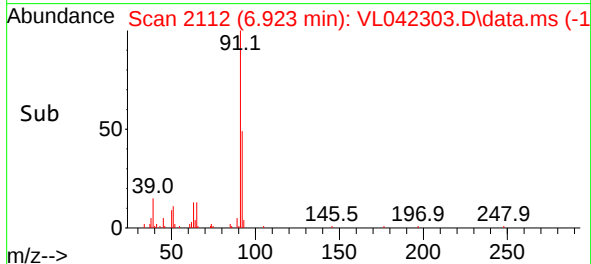
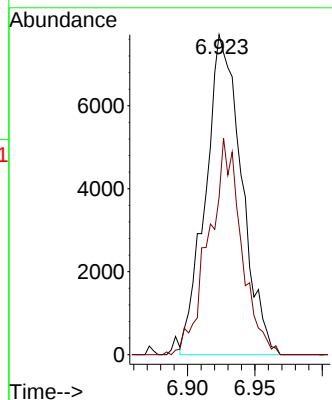
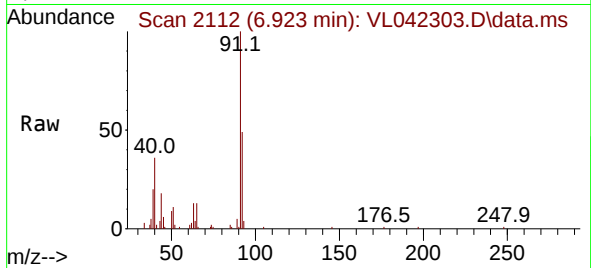
#53
Toluene
Concen: 0.253 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 1434
Ion Ratio Lower Upper
91 100
92 61.2 48.4 72.6

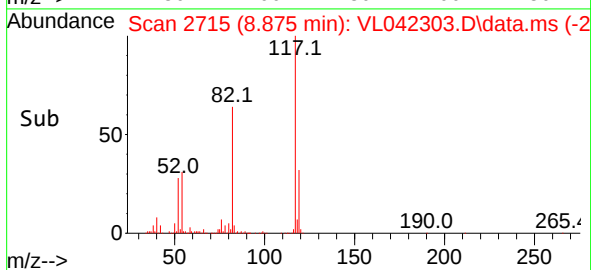
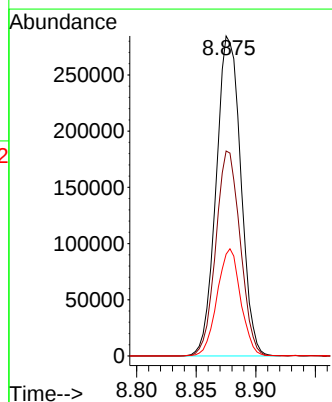
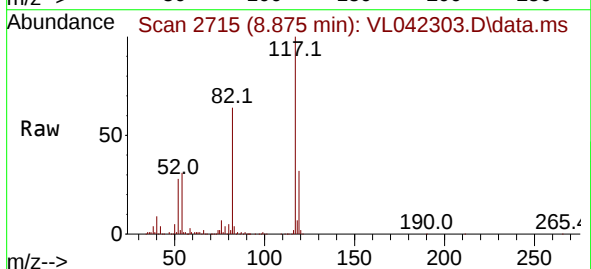
Manual Integrations
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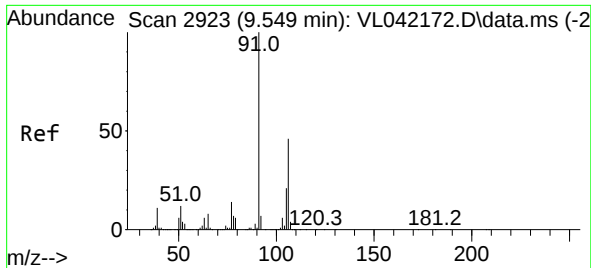
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Tgt Ion:117 Resp: 409076
Ion Ratio Lower Upper
117 100
82 63.6 55.8 83.6
119 32.2 25.5 38.3





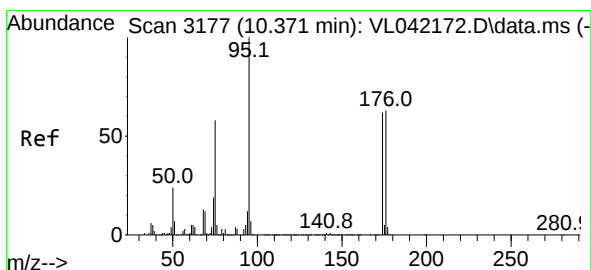
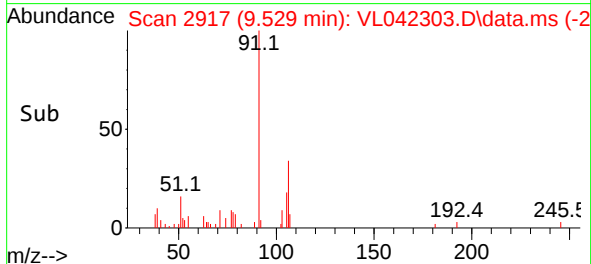
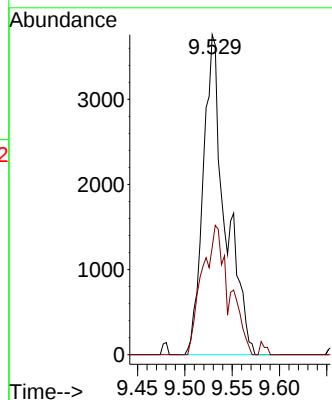
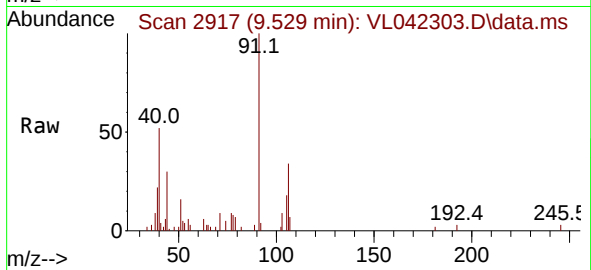
#59
m/p-Xylene
Concen: 0.105 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.020 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 611
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

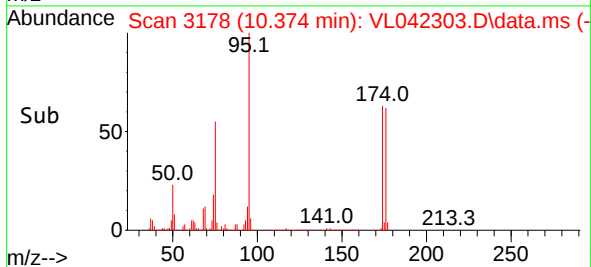
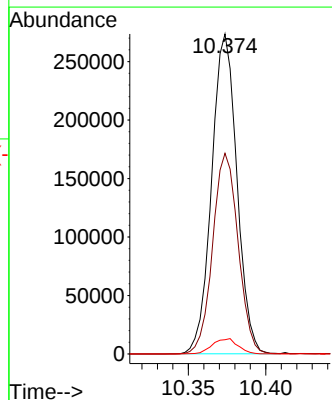
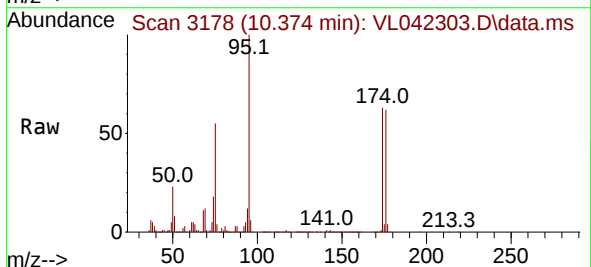
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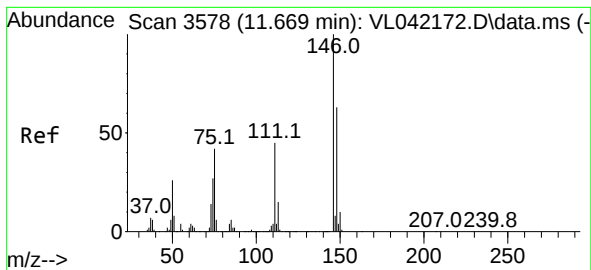
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.211 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

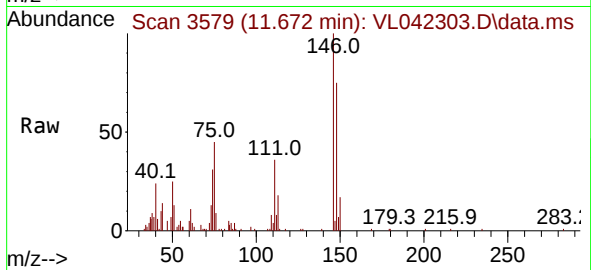
Tgt Ion: 95 Resp: 309434
Ion Ratio Lower Upper
95 100
174 63.6 50.6 76.0
175 4.9 3.8 5.6





#76
 1,4-Dichlorobenzene
 Concen: 0.195 ppbv
 RT: 11.672 min Scan# 3579
 Delta R.T. 0.003 min
 Lab File: VL042303.D
 Acq: 10 Apr 2025 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion:146 Resp: 7768
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.0 69.0
 148 76.7 31.9 95.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

