

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042673.D
 Acq On : 27 Jun 2025 10:43
 Operator : SY/MD
 Sample : Q2432-01 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:39:03 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	115885	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	288301	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	258367	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	204936	10.581	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.800%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.470	51	2883	0.147	ppbv #	92
9) Propene	1.479	41	2494	0.316	ppbv #	81
10) Heptane	4.975	43	4572m	0.205	ppbv	
13) Ethanol	1.719	45	753m	0.800	ppbv	
15) Acetone	1.835	43	16858	1.208	ppbv	92
20) Methylene Chloride	2.059	84	1025	0.223	ppbv #	79
26) Hexane	2.823	57	18819	1.084	ppbv #	40
29) Chloroform	2.845	83	5087	0.225	ppbv	98
34) 2-Butanone	2.557	43	15694	0.763	ppbv	92
36) Benzene	3.645	78	4064m	0.143	ppbv	
52) Tetrachloroethene	8.218	164	241443	22.759	ppbv	96
53) Toluene	6.917	91	9031m	0.275	ppbv	
59) m/p-Xylene	9.526	91	7890m	0.229	ppbv	
60) o-Xylene	9.953	91	4511m	0.131	ppbv	

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

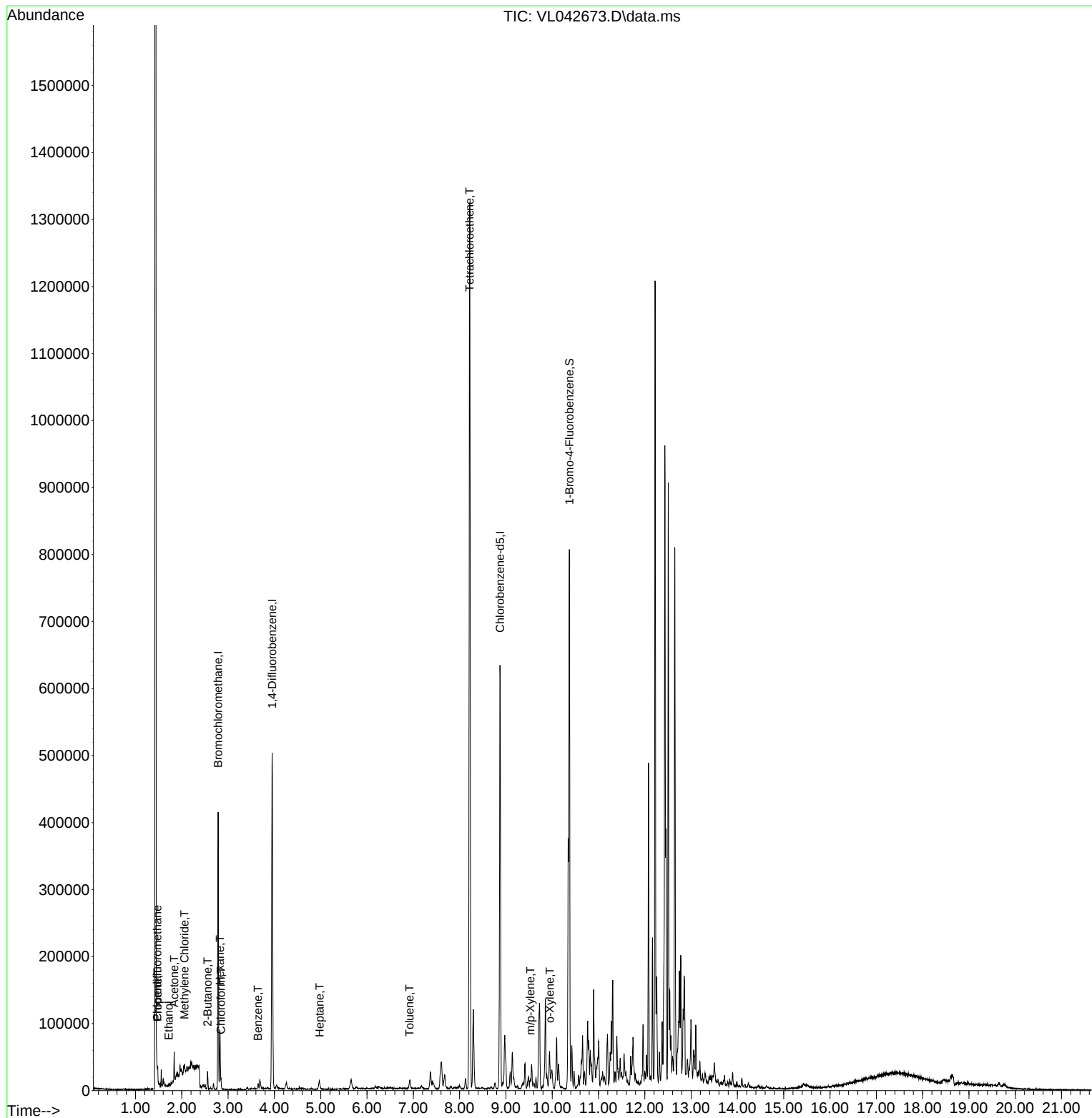
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
Data File : VL042673.D
Acq On : 27 Jun 2025 10:43
Operator : SY/MD
Sample : Q2432-01 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

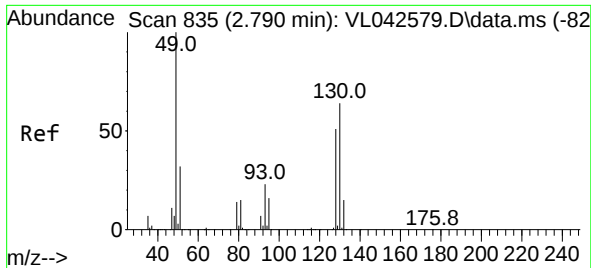
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 27 23:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

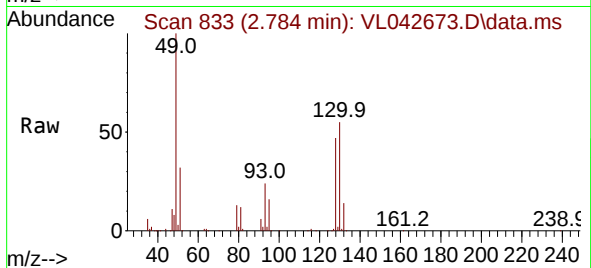
Reviewed By : Semsettin Yesilyurt 06/30/2025
Supervised By : Mahesh Dadoda 06/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

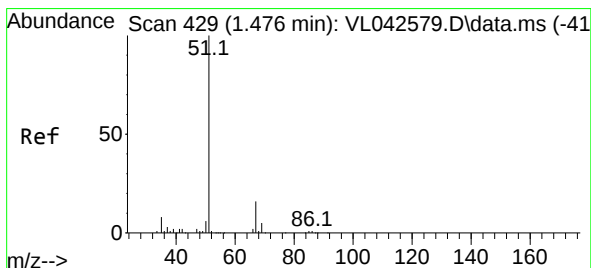
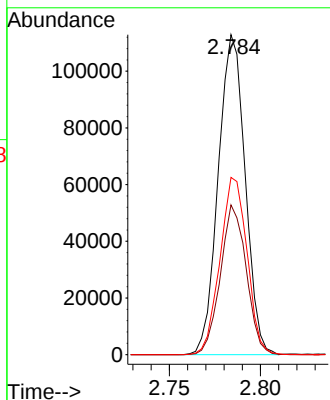
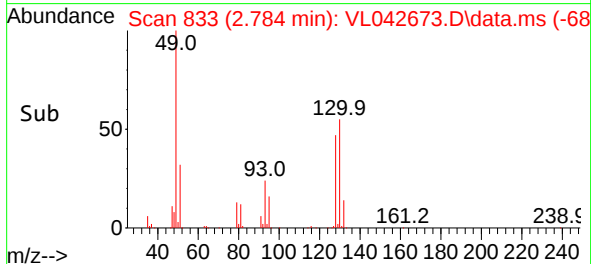
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 11588
Ion Ratio Lower Upper
49 100
128 45.1 24.2 72.6
130 55.8 30.4 91.2

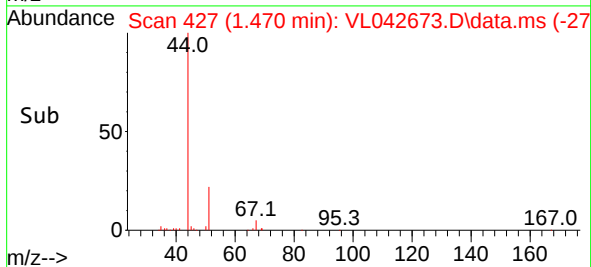
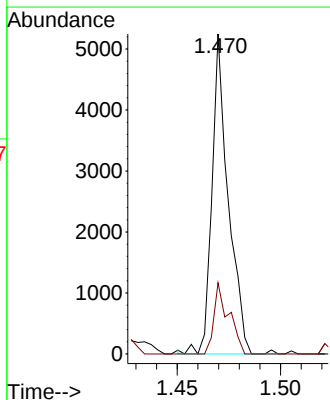
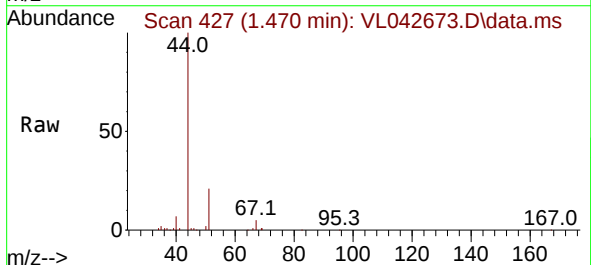
Manual Integrations
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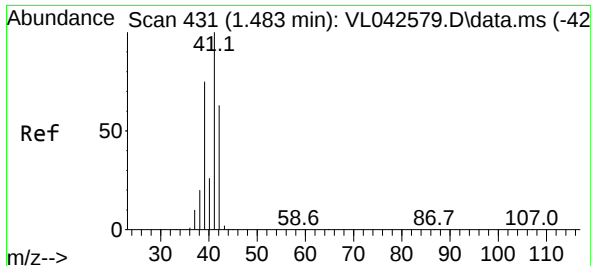
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#3
Chlorodifluoromethane
Concen: 0.147 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.006 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

Tgt Ion: 51 Resp: 2883
Ion Ratio Lower Upper
51 100
67 20.2 13.4 20.2#





#9

Propene

Concen: 0.316 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

Instrument :

MSVOA_L

ClientSampleId :

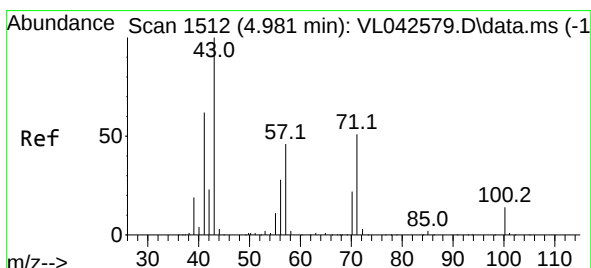
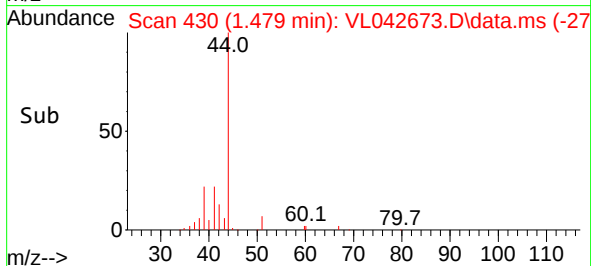
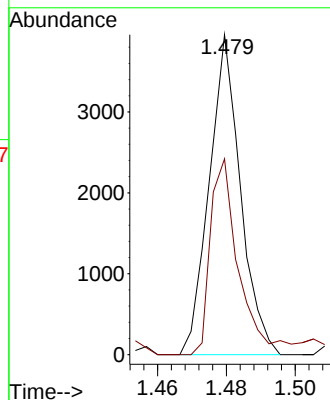
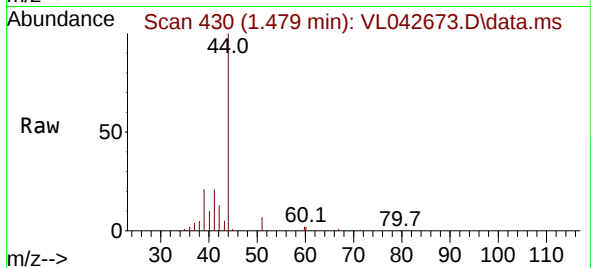
SV1

Tgt Ion: 41 Resp: 2494
 Ion Ratio Lower Upper
 41 100
 42 81.6 53.3 79.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#10

Heptane

Concen: 0.205 ppbv m

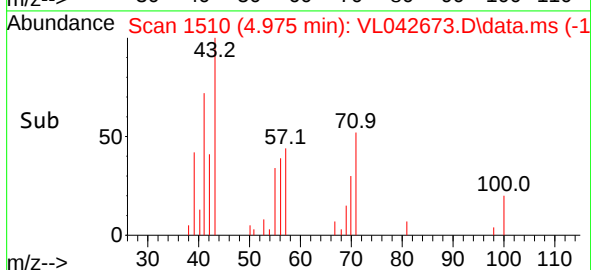
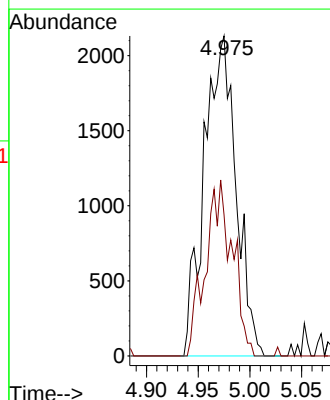
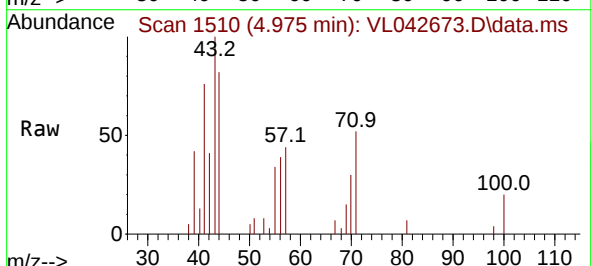
RT: 4.975 min Scan# 1510

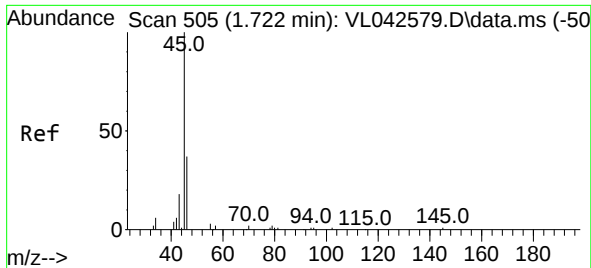
Delta R.T. -0.006 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

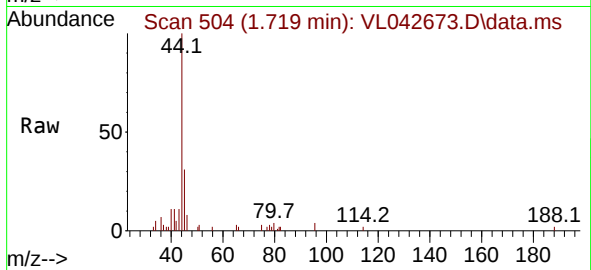
Tgt Ion: 43 Resp: 4572
 Ion Ratio Lower Upper
 43 100
 57 46.4 38.9 58.3





#13
Ethanol
Concen: 0.800 ppbv m
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

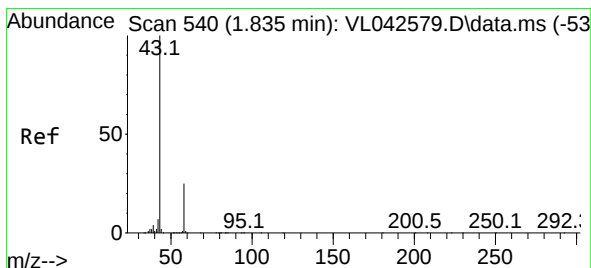
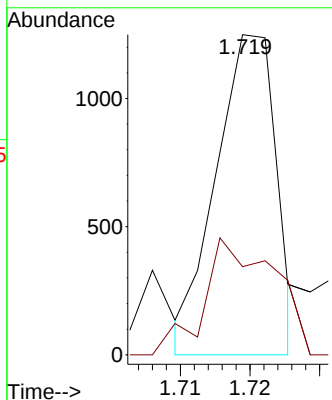
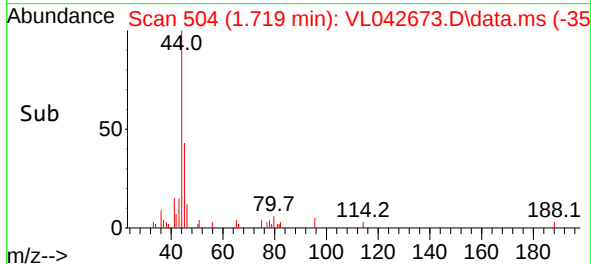
Instrument :
MSVOA_L
ClientSampleId :
SV1



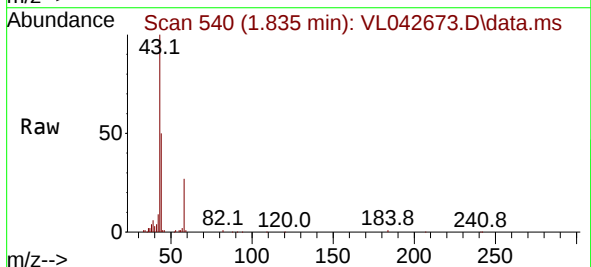
Tgt Ion: 45 Resp: 75
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1

Manual Integrations
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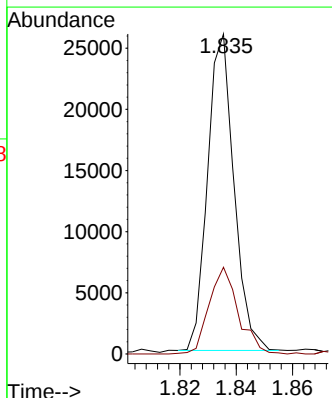
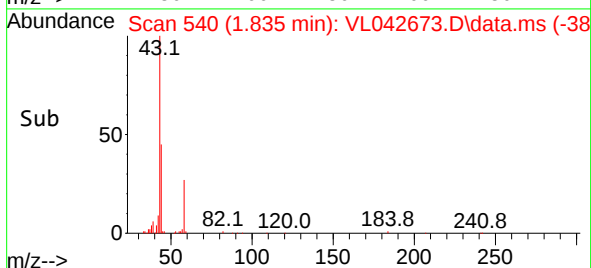
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

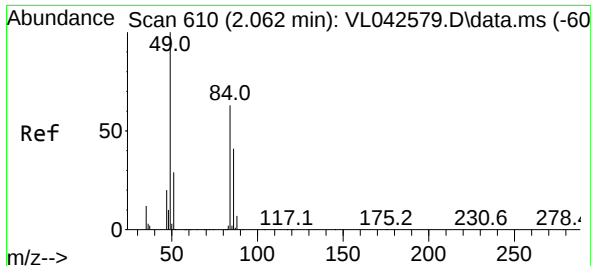


#15
Acetone
Concen: 1.208 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43



Tgt Ion: 43 Resp: 16858
Ion Ratio Lower Upper
43 100
58 30.3 21.0 31.4





#20

Methylene Chloride

Concen: 0.223 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.003 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

Instrument :

MSVOA_L

ClientSampleId :

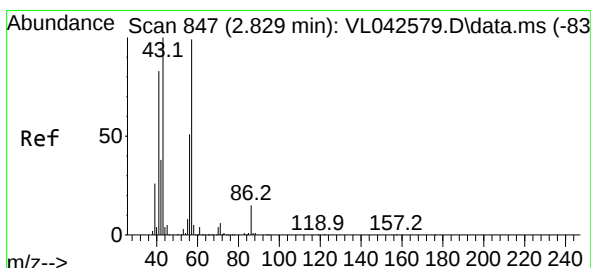
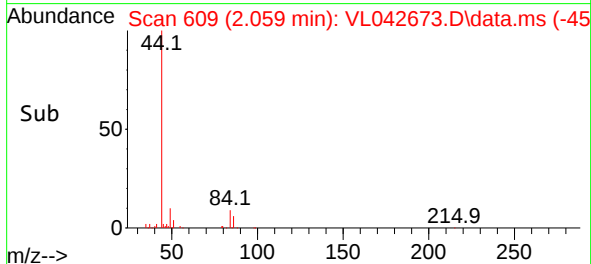
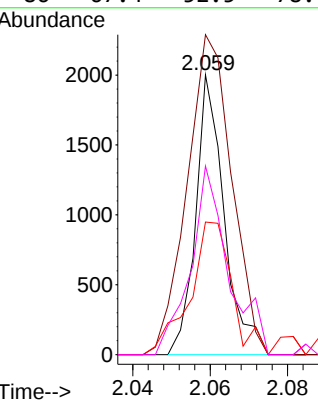
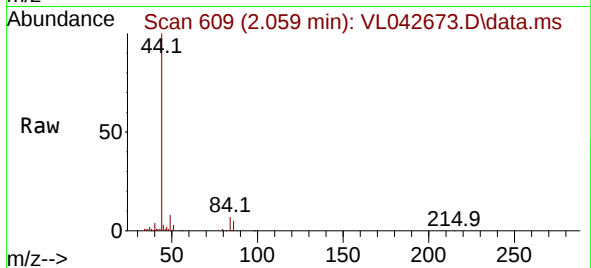
SV1

Tgt Ion:	84	Resp:	1025
Ion	Ratio	Lower	Upper
84	100		
49	114.3	128.8	193.2
51	47.4	38.6	57.8
86	67.4	52.5	78.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#26

Hexane

Concen: 1.084 ppbv

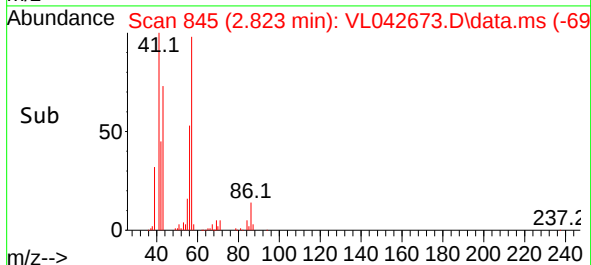
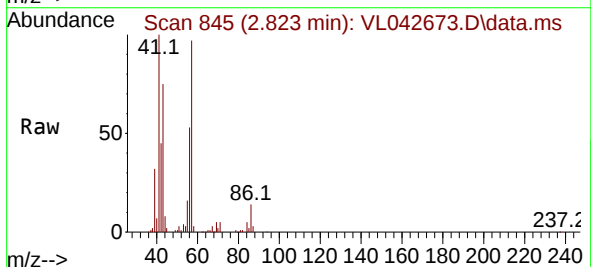
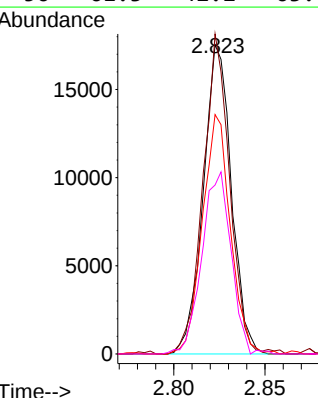
RT: 2.823 min Scan# 845

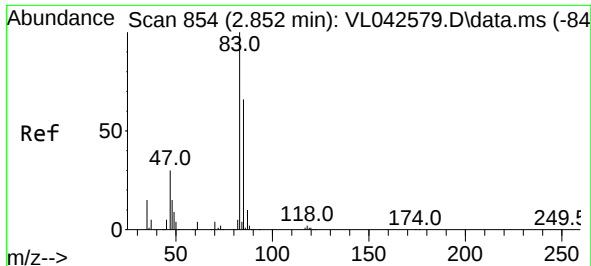
Delta R.T. -0.006 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

Tgt Ion:	57	Resp:	18819
Ion	Ratio	Lower	Upper
57	100		
41	99.3	70.6	106.0
43	77.8	181.1	271.7#
56	61.3	42.2	63.4





#29

Chloroform

Concen: 0.225 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 508

Ion Ratio Lower Upper

83 100

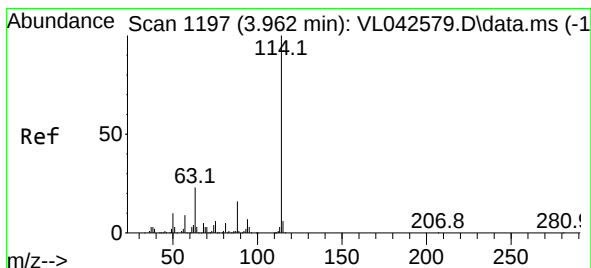
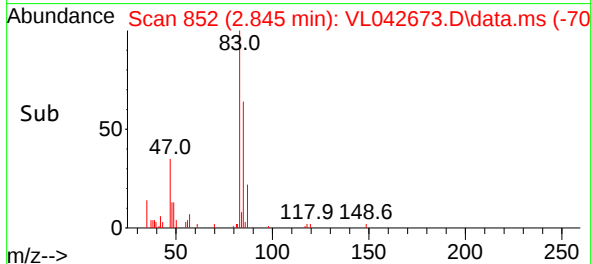
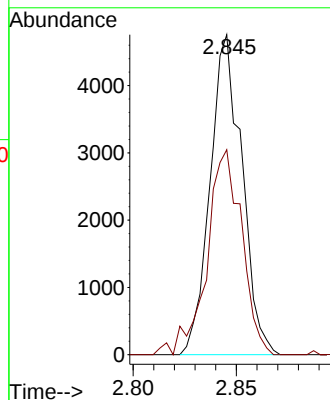
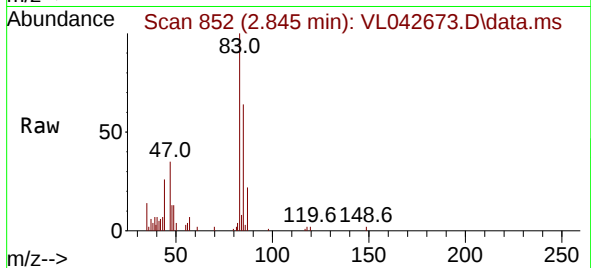
85 64.1 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.010 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

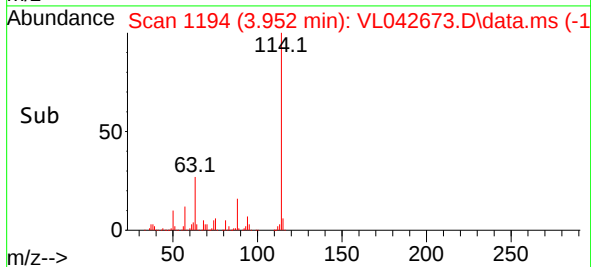
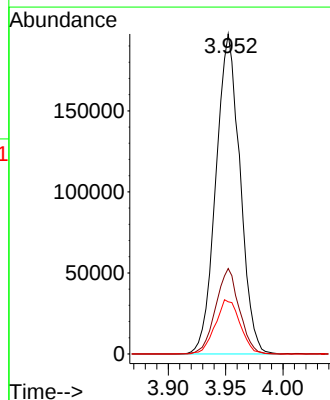
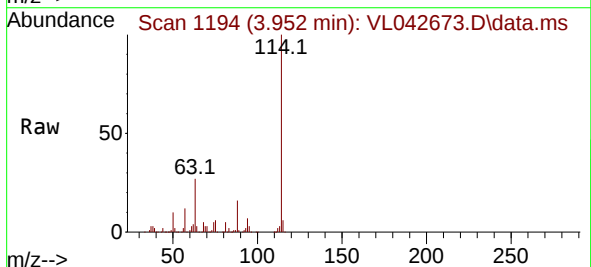
Tgt Ion:114 Resp: 288301

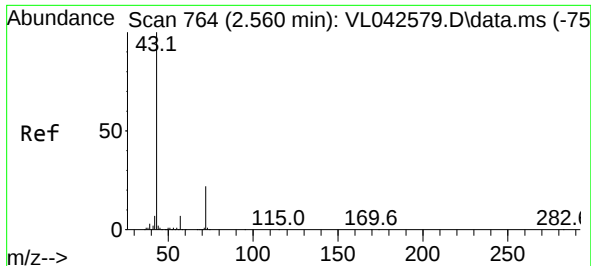
Ion Ratio Lower Upper

114 100

63 26.2 19.0 28.6

88 17.5 13.6 20.4





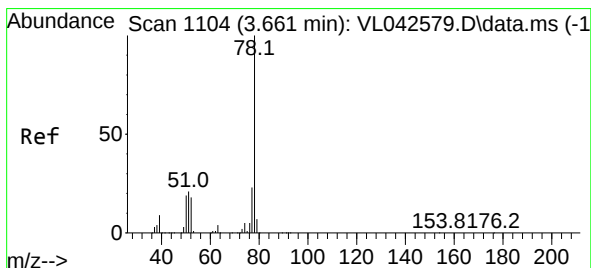
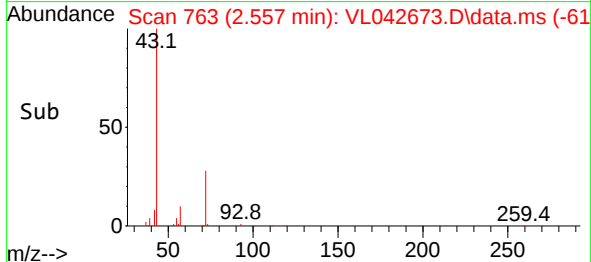
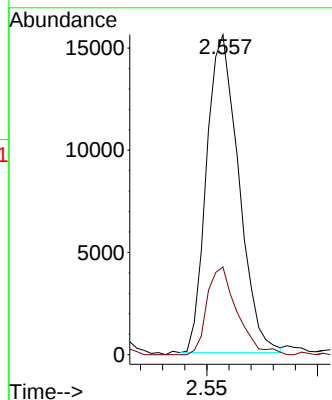
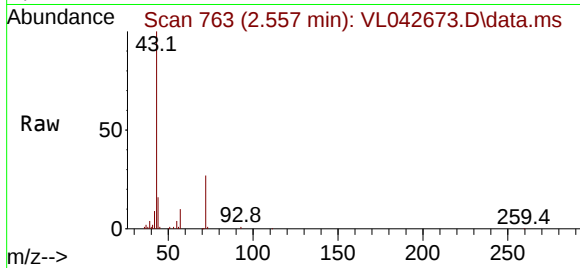
#34
2-Butanone
Concen: 0.763 ppbv
RT: 2.557 min Scan# 70
Delta R.T. -0.003 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 15694
Ion Ratio Lower Upper
43 100
72 26.0 17.7 26.5

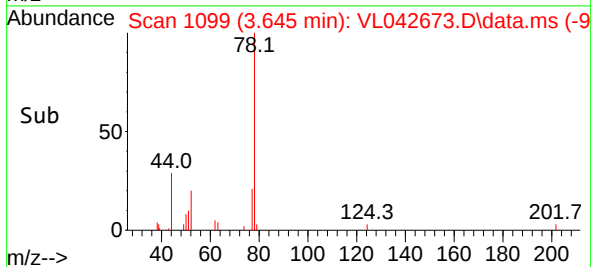
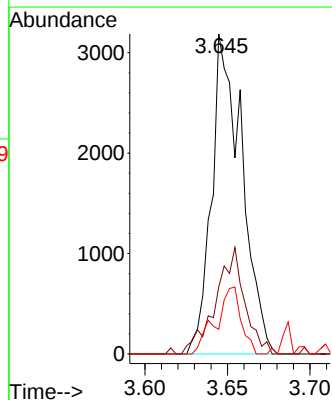
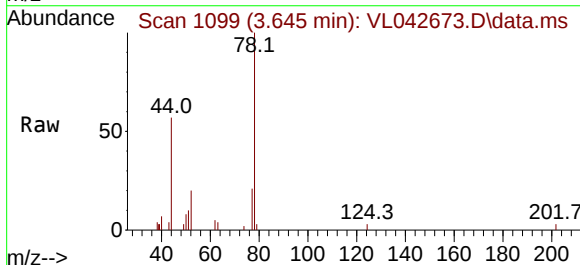
Manual Integrations
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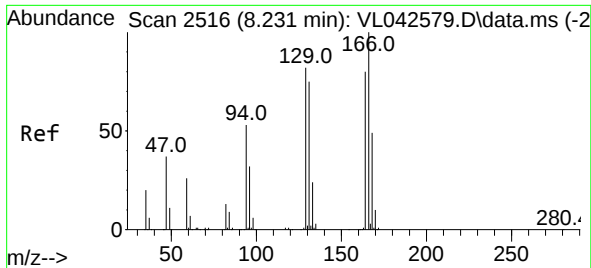
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#36
Benzene
Concen: 0.143 ppbv m
RT: 3.645 min Scan# 1099
Delta R.T. -0.016 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

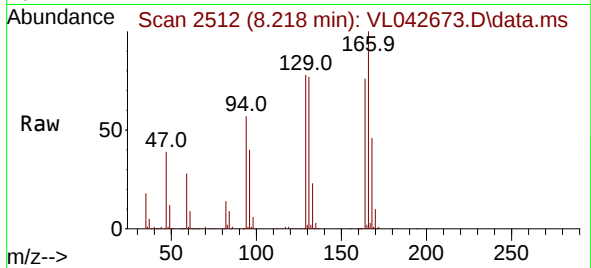
Tgt Ion: 78 Resp: 4064
Ion Ratio Lower Upper
78 100
77 21.0 18.2 27.2
50 7.7 15.2 22.8#





#52
Tetrachloroethene
Concen: 22.759 ppbv
RT: 8.218 min Scan# 2110
Delta R.T. -0.013 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

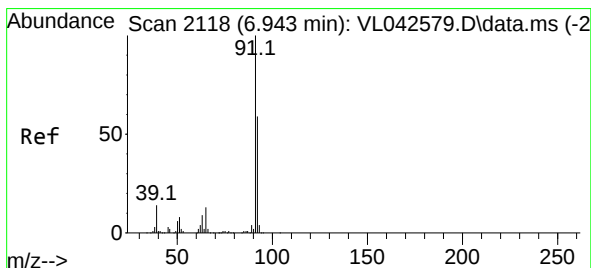
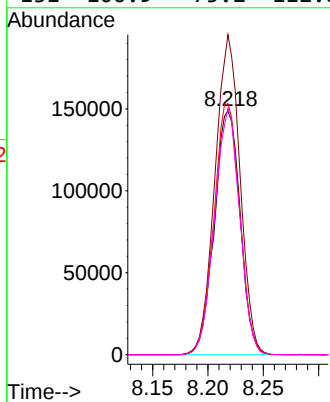
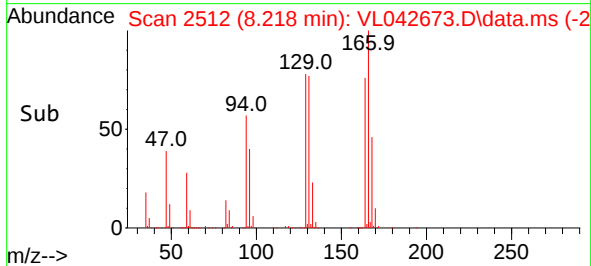
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 24144
Ion Ratio Lower Upper
164 100
166 131.2 100.0 150.0
129 102.9 82.2 123.4
131 100.9 75.2 112.8

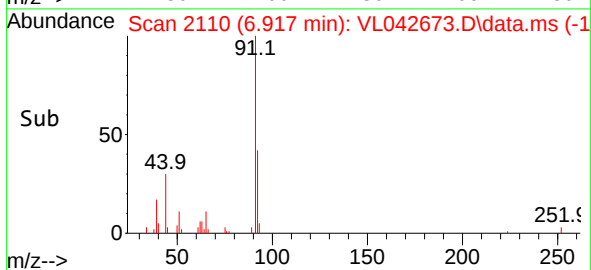
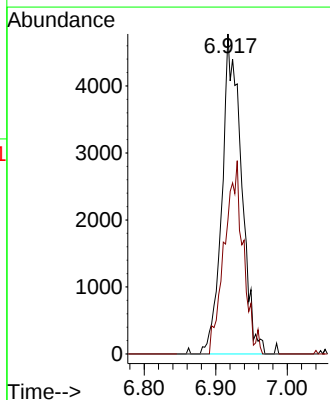
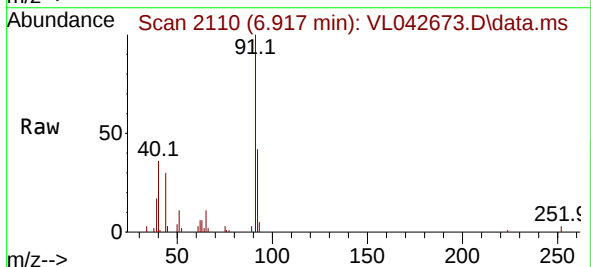
Manual Integrations
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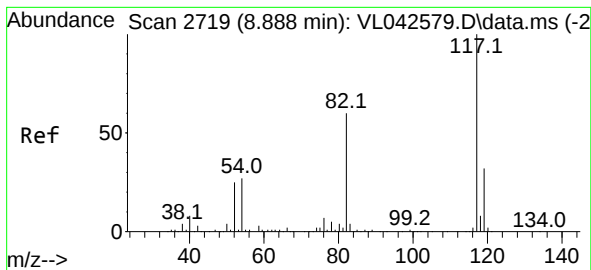
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#53
Toluene
Concen: 0.275 ppbv m
RT: 6.917 min Scan# 2110
Delta R.T. -0.026 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

Tgt Ion: 91 Resp: 9031
Ion Ratio Lower Upper
91 100
92 58.3 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

Instrument :

MSVOA_L

ClientSampleId :

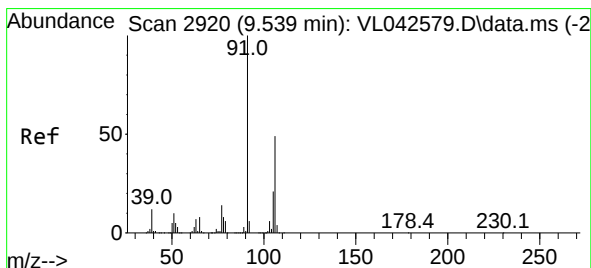
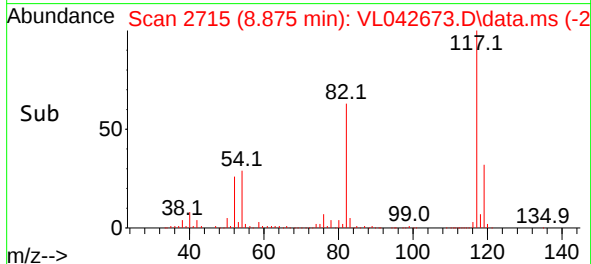
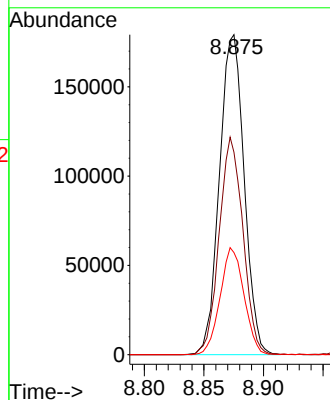
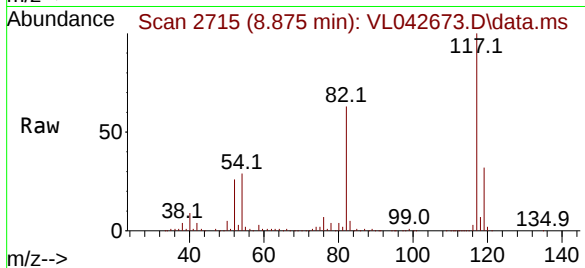
SV1

Tgt Ion:117 Resp: 25836
 Ion Ratio Lower Upper
 117 100
 82 65.3 51.2 76.8
 119 32.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#59

m/p-Xylene

Concen: 0.229 ppbv m

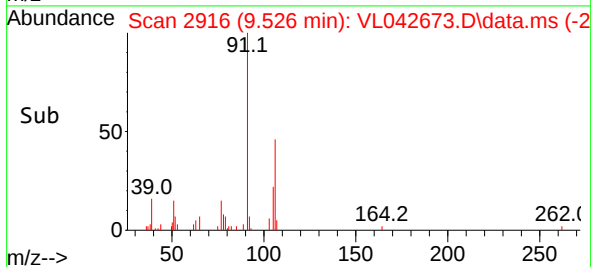
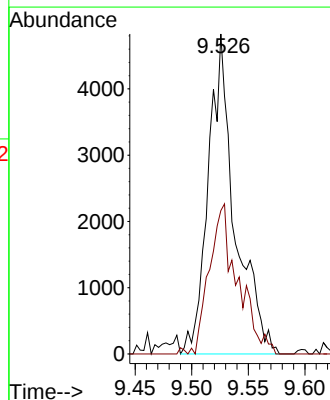
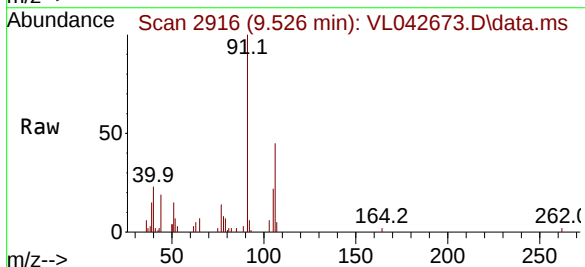
RT: 9.526 min Scan# 2916

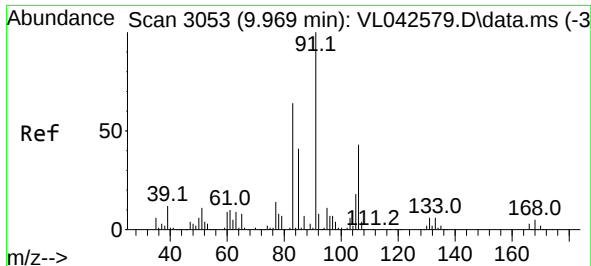
Delta R.T. -0.013 min

Lab File: VL042673.D

Acq: 27 Jun 2025 10:43

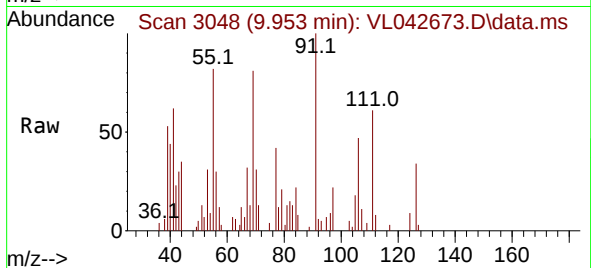
Tgt Ion: 91 Resp: 7890
 Ion Ratio Lower Upper
 91 100
 106 50.5 38.8 58.2





#60
o-Xylene
Concen: 0.131 ppbv m
RT: 9.953 min Scan# 3053
Delta R.T. -0.016 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43

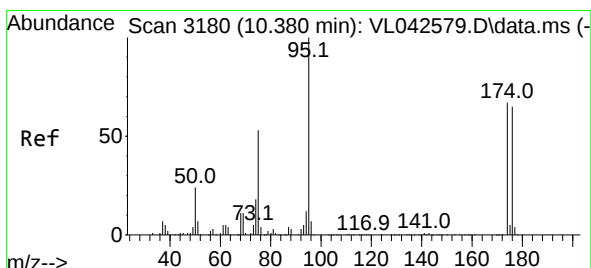
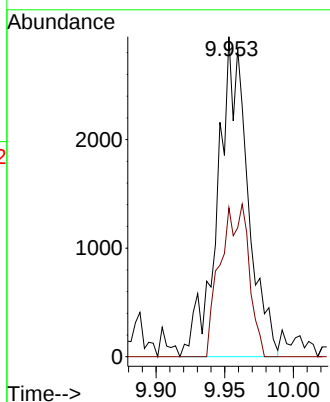
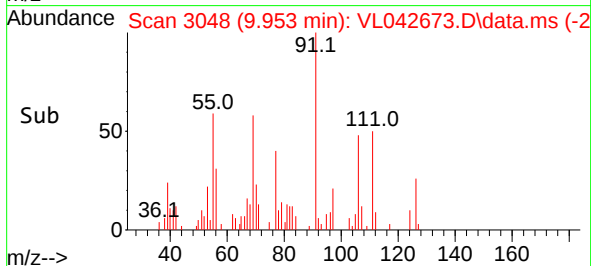
Instrument :
MSVOA_L
ClientSampleId :
SV1



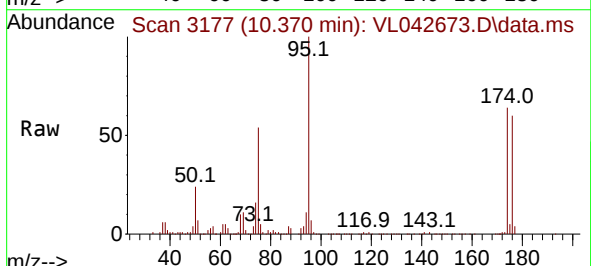
Tgt Ion: 91 Resp: 451
Ion Ratio Lower Upper
91 100
106 0.0 22.9 68.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.581 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL042673.D
Acq: 27 Jun 2025 10:43



Tgt Ion: 95 Resp: 204936
Ion Ratio Lower Upper
95 100
174 63.3 53.1 79.7
175 4.7 4.2 6.2

