

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042910.D
 Acq On : 08 Sep 2025 18:56
 Operator : SY/MD
 Sample : Q3052-01 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 00:59:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	133612	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	335875	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	297707	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	248461	11.128	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.300%
Target Compounds						
9) Propene	1.483	41	1644	0.176	ppbv	97
13) Ethanol	1.722	45	1691m	1.978	ppbv	
15) Acetone	1.836	43	30874	1.747	ppbv	98
19) Isopropyl Alcohol	1.884	45	16926	1.603	ppbv #	86
20) Methylene Chloride	2.059	84	1610	0.217	ppbv	87
26) Hexane	2.823	57	4408	0.223	ppbv #	40
29) Chloroform	2.845	83	19564	0.694	ppbv	88
34) 2-Butanone	2.561	43	2836	0.125	ppbv #	86
38) Trichloroethene	4.532	130	443m	0.030	ppbv	
52) Tetrachloroethene	8.218	164	476578	40.959	ppbv	90
53) Toluene	6.930	91	4428m	0.116	ppbv	
59) m/p-Xylene	9.523	91	5463m	0.133	ppbv	

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

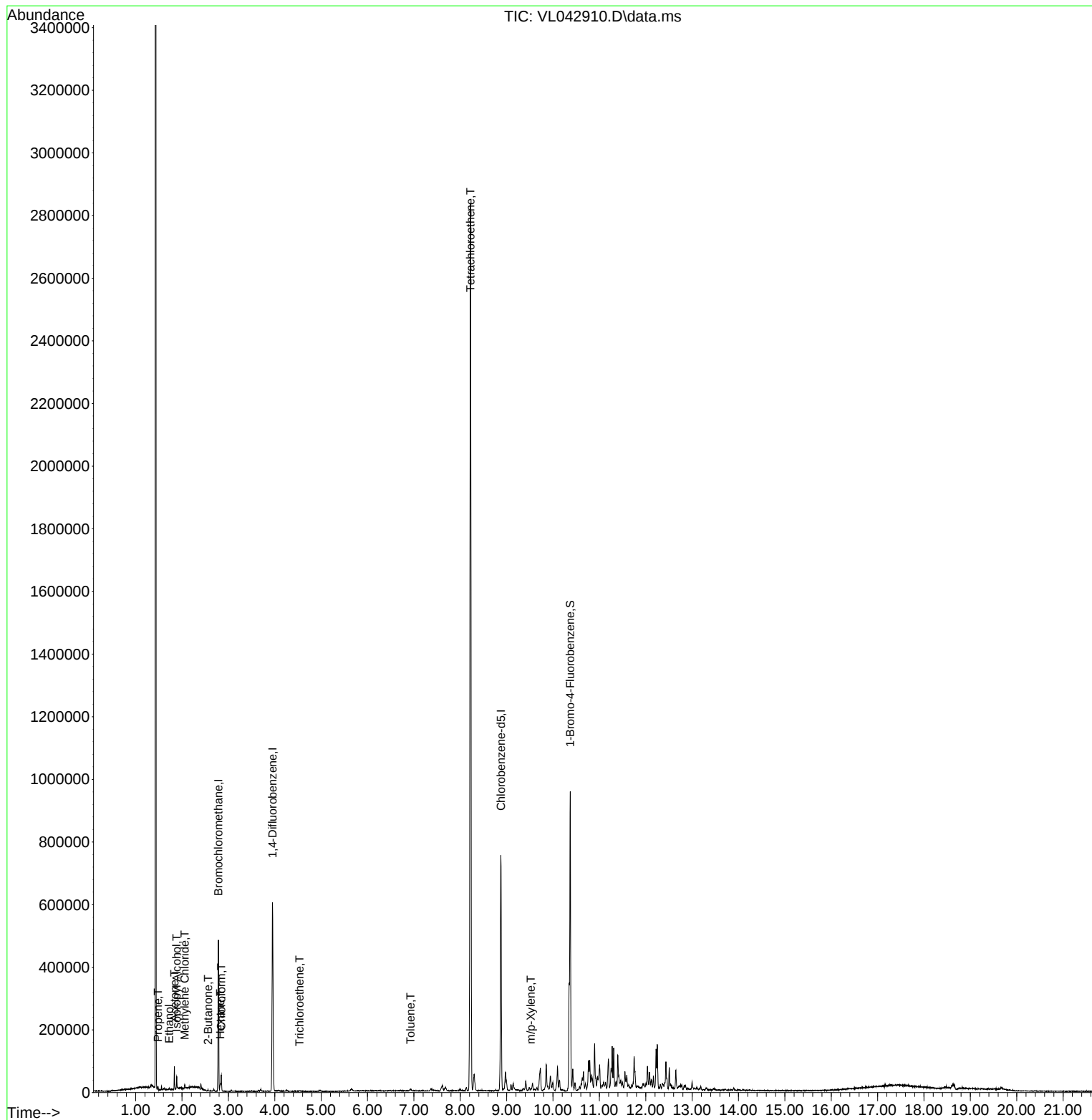
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042910.D
Acq On : 08 Sep 2025 18:56
Operator : SY/MD
Sample : Q3052-01 40X
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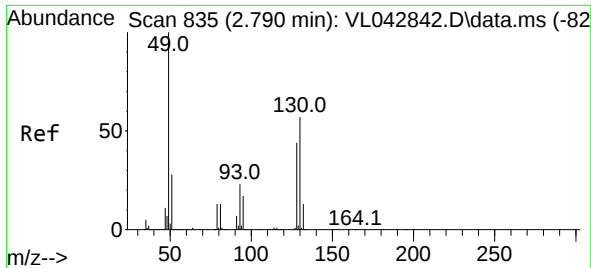
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Sep 09 00:59:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

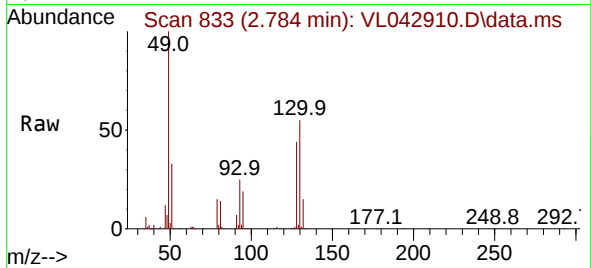
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

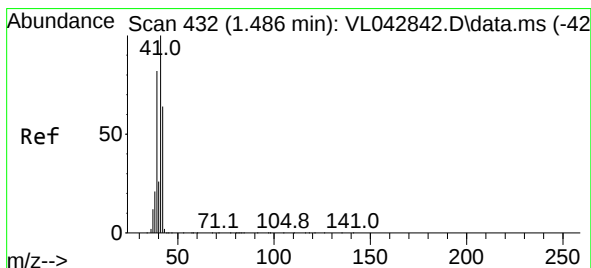
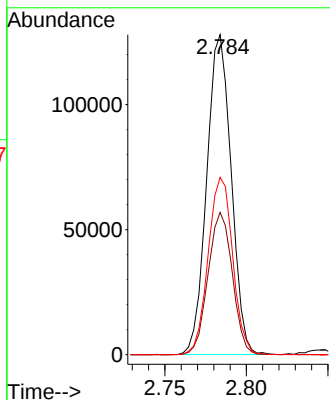
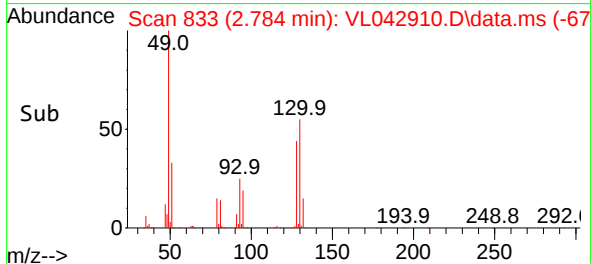
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 133612
Ion Ratio Lower Upper
49 100
128 44.2 23.7 71.1
130 55.6 30.6 91.6

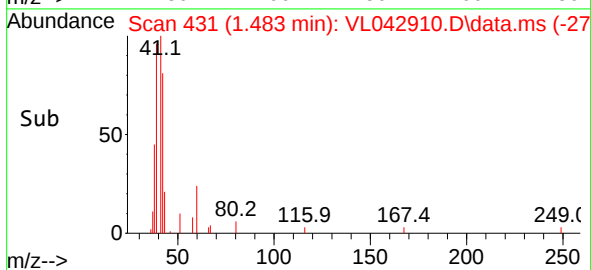
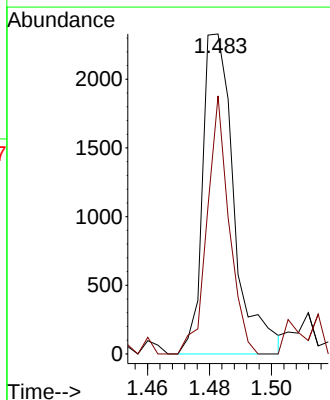
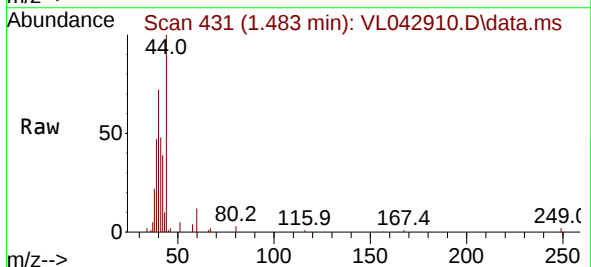
Manual Integrations
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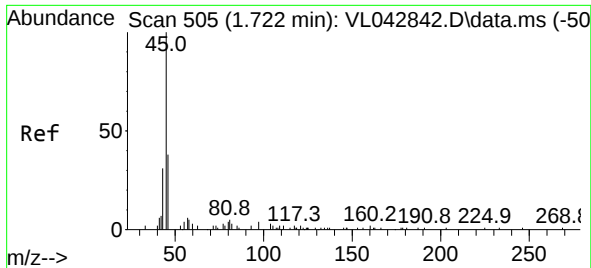
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#9
Propene
Concen: 0.176 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

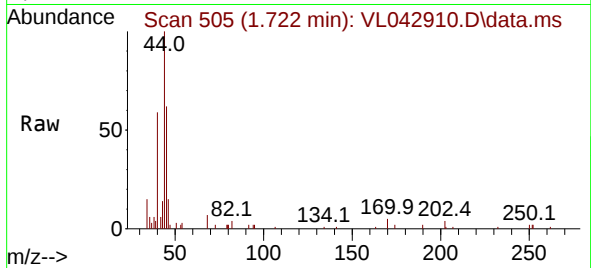
Tgt Ion: 41 Resp: 1644
Ion Ratio Lower Upper
41 100
42 63.7 53.0 79.4





#13
Ethanol
Concen: 1.978 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

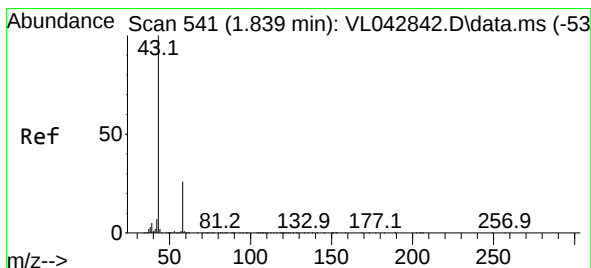
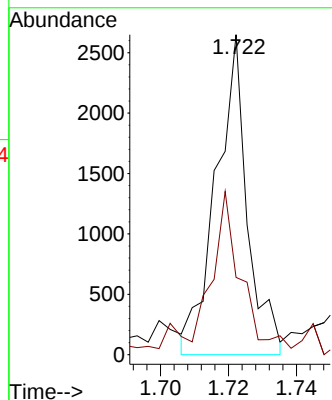
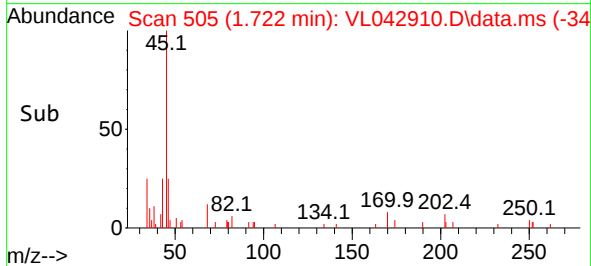
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 169
Ion Ratio Lower Upper
45 100
46 0.0 17.5 69.9

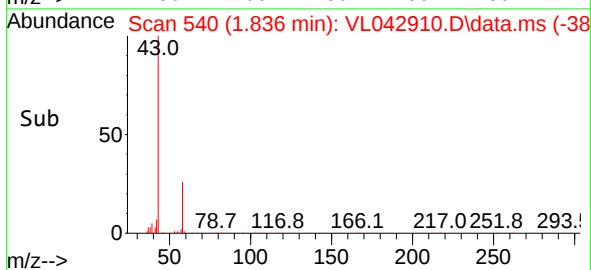
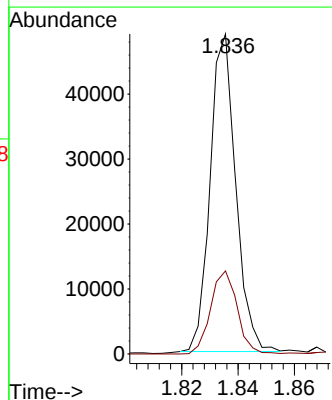
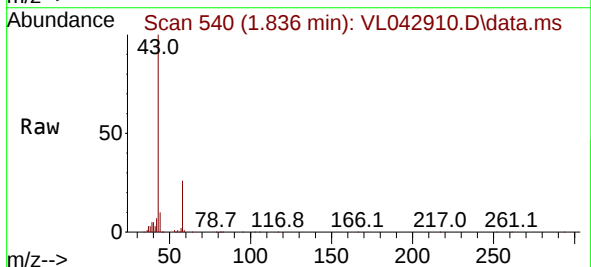
Manual Integrations
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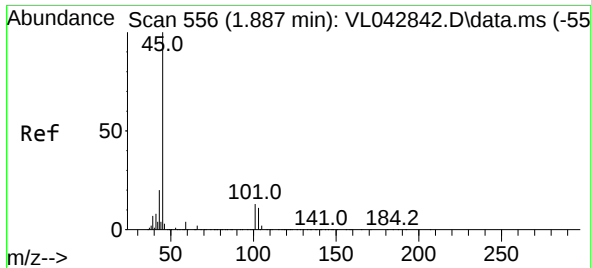
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#15
Acetone
Concen: 1.747 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

Tgt Ion: 43 Resp: 30874
Ion Ratio Lower Upper
43 100
58 27.2 22.4 33.6





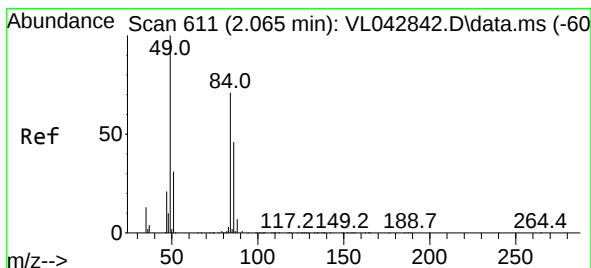
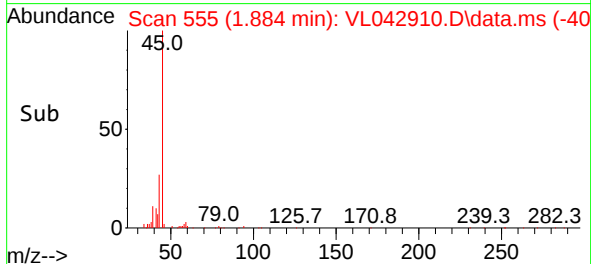
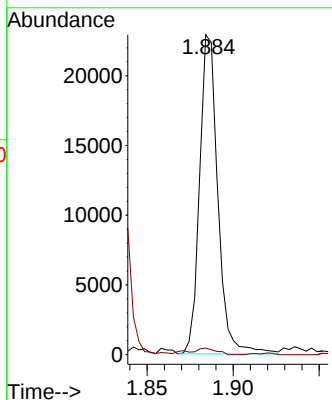
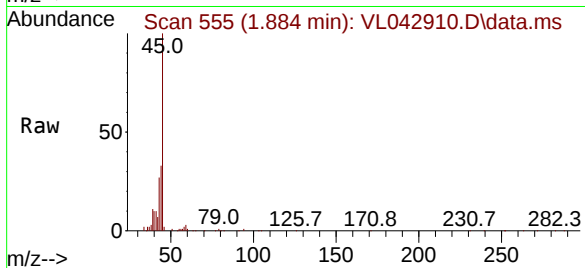
#19
Isopropyl Alcohol
Concen: 1.603 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 16920
Ion Ratio Lower Upper
45 100
58 49.7 32.7 49.1

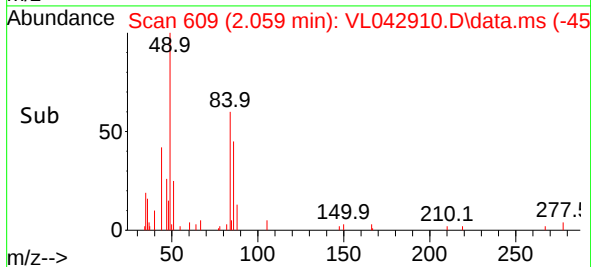
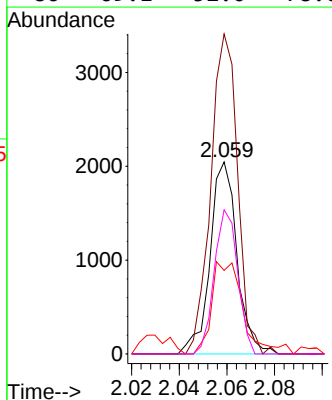
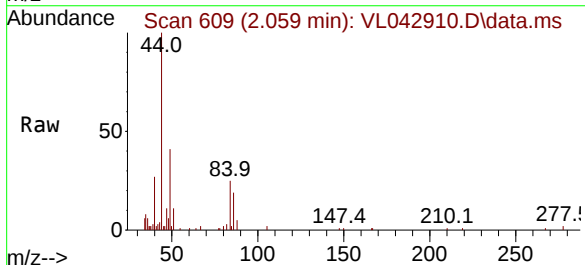
Manual Integrations
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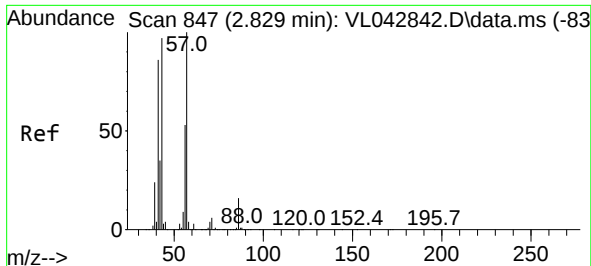
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#20
Methylene Chloride
Concen: 0.217 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

Tgt Ion: 84 Resp: 1610
Ion Ratio Lower Upper
84 100
49 161.8 112.3 168.5
51 37.4 36.0 54.0
86 69.1 52.0 78.0





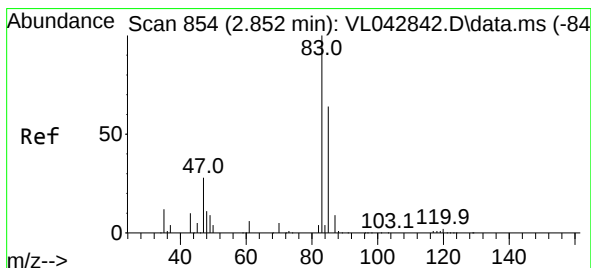
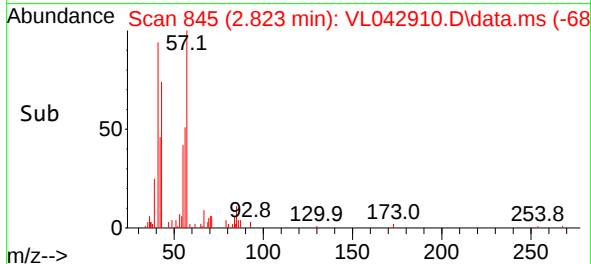
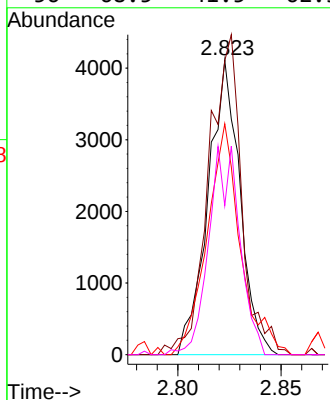
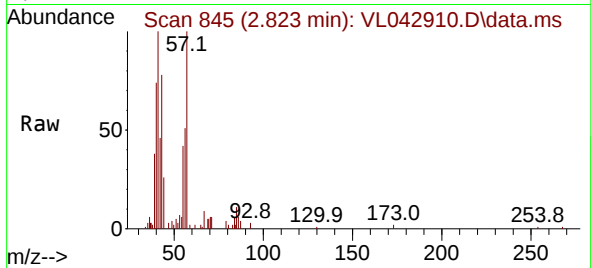
#26
Hexane
Concen: 0.223 ppbv
RT: 2.823 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 57 Resp: 4408
Ion Ratio Lower Upper
57 100
41 113.8 68.6 103.0
43 85.1 168.5 252.7
56 68.5 41.5 62.3

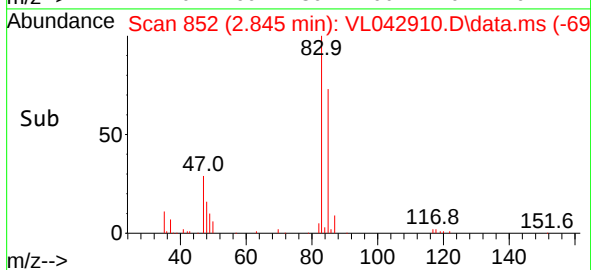
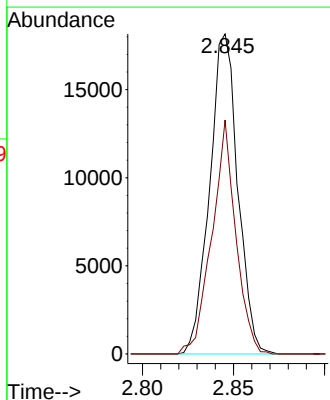
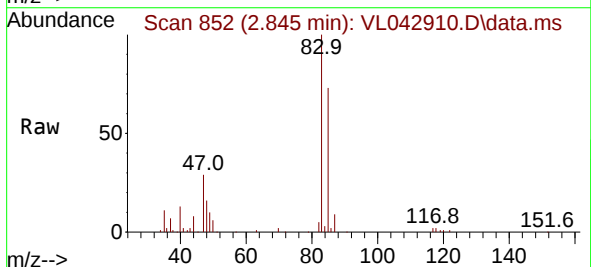
Manual Integrations
APPROVED

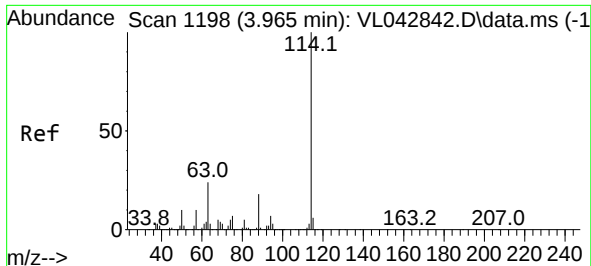
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#29
Chloroform
Concen: 0.694 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.006 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

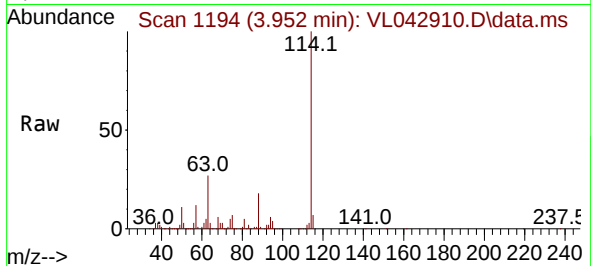
Tgt Ion: 83 Resp: 19564
Ion Ratio Lower Upper
83 100
85 73.1 51.1 76.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.010 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

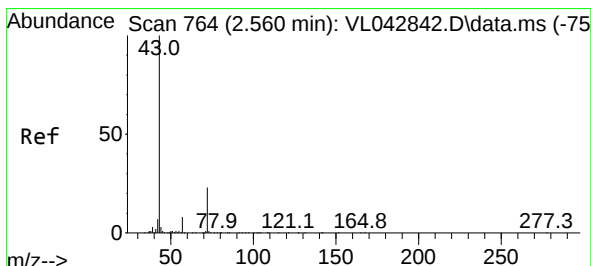
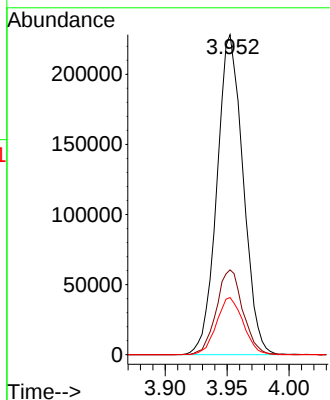
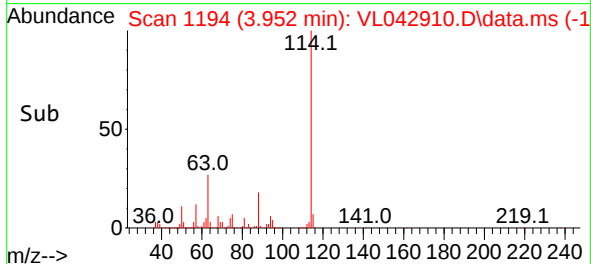
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 114 Resp: 33587
Ion Ratio Lower Upper
114 100
63 26.9 19.7 29.5
88 18.2 14.4 21.6

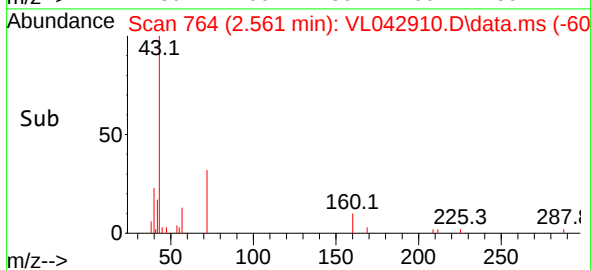
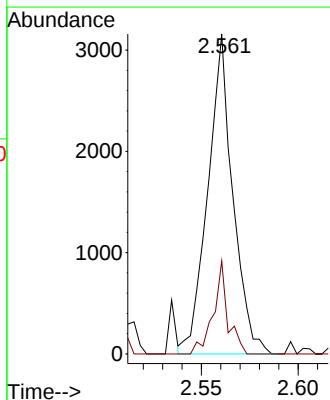
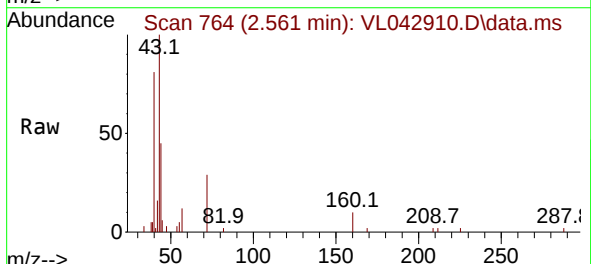
Manual Integrations
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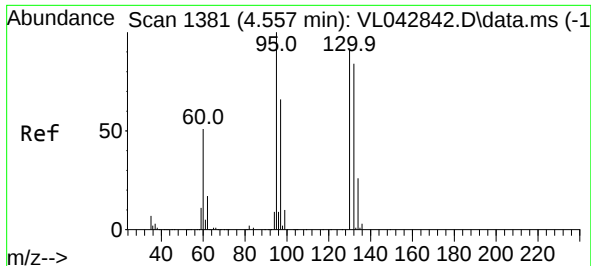
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#34
2-Butanone
Concen: 0.125 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.013 min
Lab File: VL042910.D
Acq: 08 Sep 2025 18:56

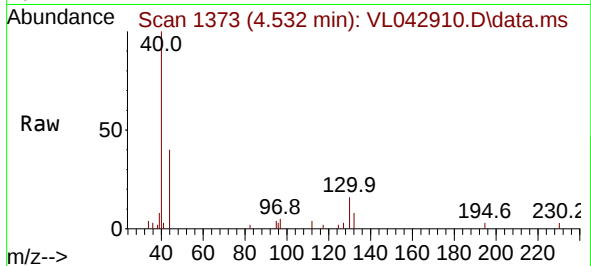
Tgt Ion: 43 Resp: 2836
Ion Ratio Lower Upper
43 100
72 16.7 18.6 28.0#





#38
 Trichloroethene
 Concen: 0.030 ppbv m
 RT: 4.532 min Scan# 1373
 Delta R.T. -0.000 min
 Lab File: VL042910.D
 Acq: 08 Sep 2025 18:56

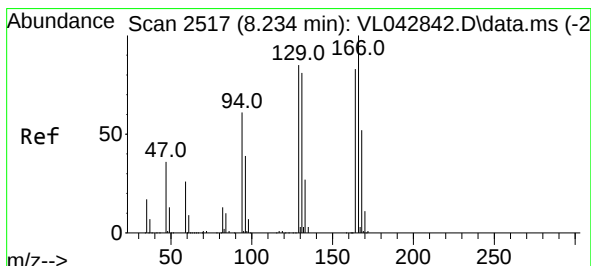
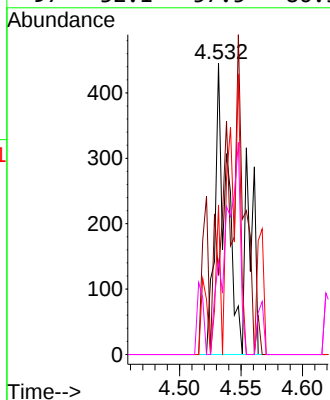
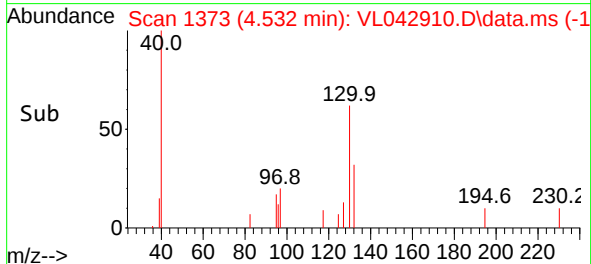
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:130 Resp: 44
 Ion Ratio Lower Upper
 130 100
 95 27.2 87.6 131.4
 132 51.2 73.8 110.8
 97 32.1 57.5 86.3

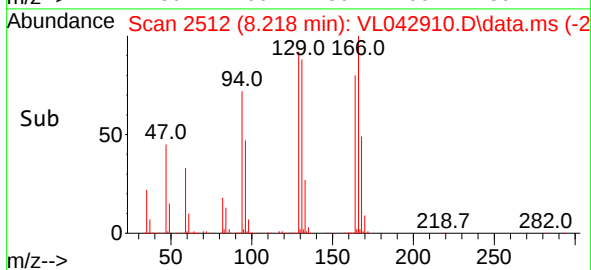
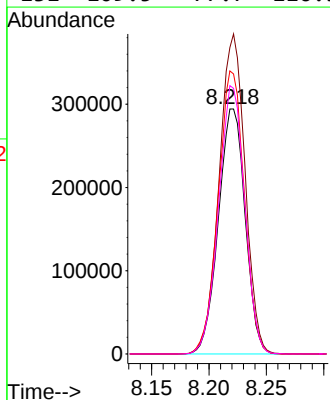
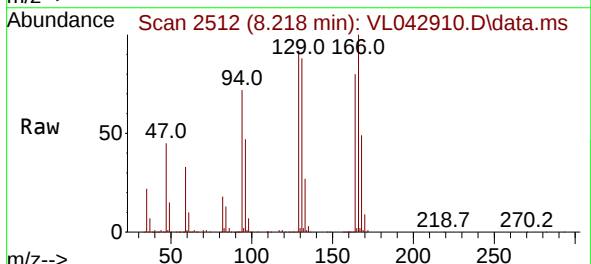
Manual Integrations
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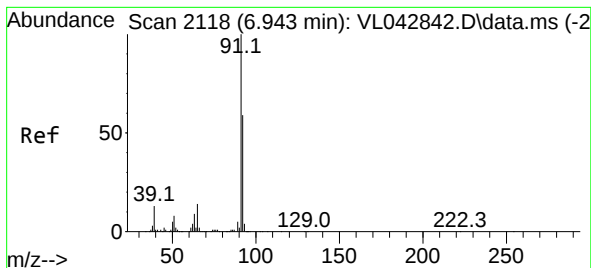
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#52
 Tetrachloroethene
 Concen: 40.959 ppbv
 RT: 8.218 min Scan# 2512
 Delta R.T. 0.006 min
 Lab File: VL042910.D
 Acq: 08 Sep 2025 18:56

Tgt Ion:164 Resp: 476578
 Ion Ratio Lower Upper
 164 100
 166 125.1 96.5 144.7
 129 115.6 81.8 122.6
 131 109.5 77.7 116.5





#53

Toluene

Concen: 0.116 ppbv m

RT: 6.930 min Scan# 2118

Delta R.T. 0.016 min

Lab File: VL042910.D

Acq: 08 Sep 2025 18:56

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 4428

Ion Ratio Lower Upper

91 100

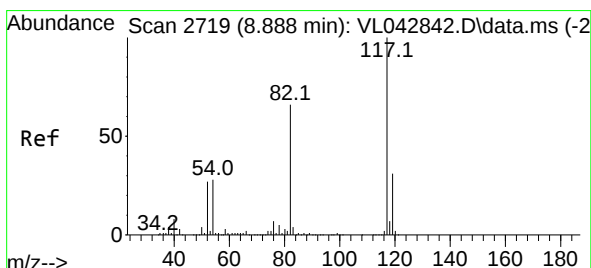
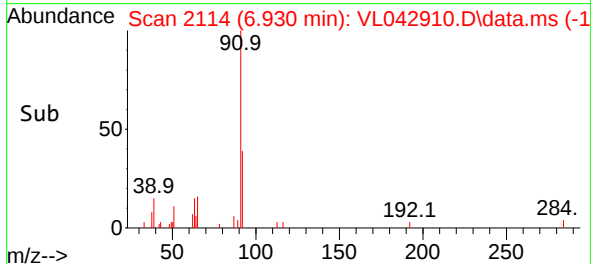
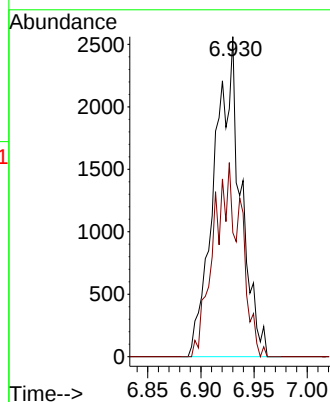
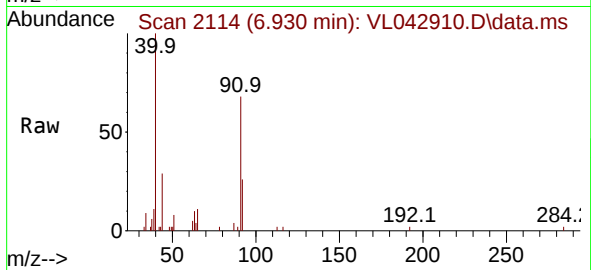
92 63.2 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. 0.006 min

Lab File: VL042910.D

Acq: 08 Sep 2025 18:56

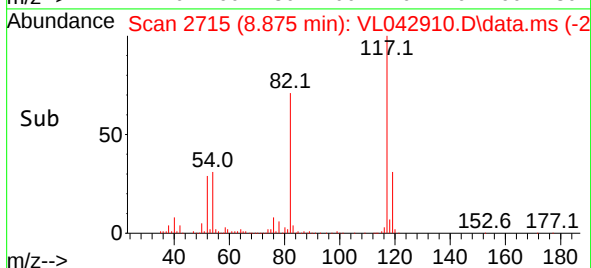
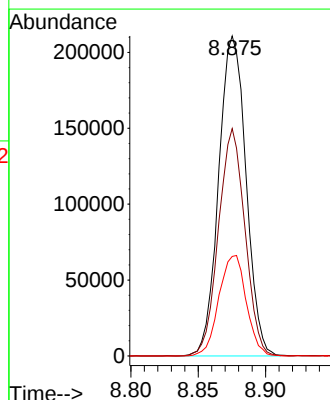
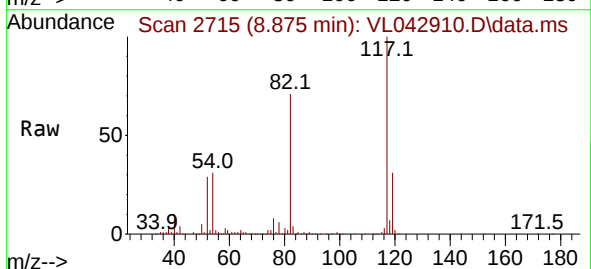
Tgt Ion:117 Resp: 297707

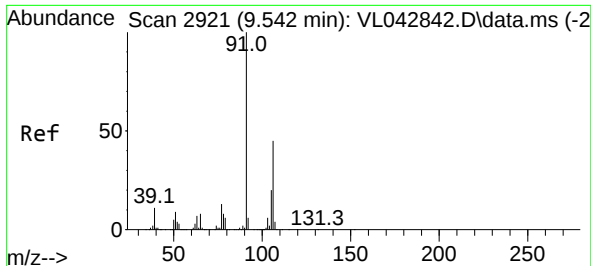
Ion Ratio Lower Upper

117 100

82 68.8 54.6 81.8

119 31.5 25.9 38.9





#59

m/p-Xylene

Concen: 0.133 ppbv m

RT: 9.523 min Scan# 2915

Delta R.T. -0.016 min

Lab File: VL042910.D

Acq: 08 Sep 2025 18:56

Instrument :

MSVOA_L

ClientSampleId :

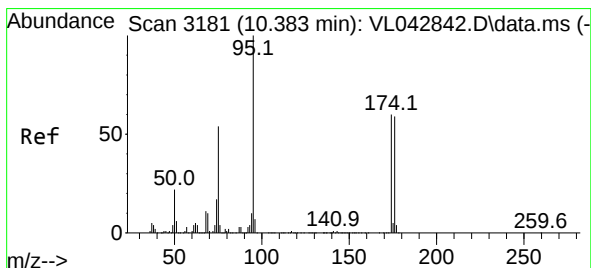
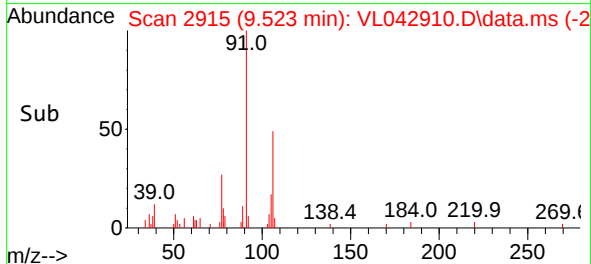
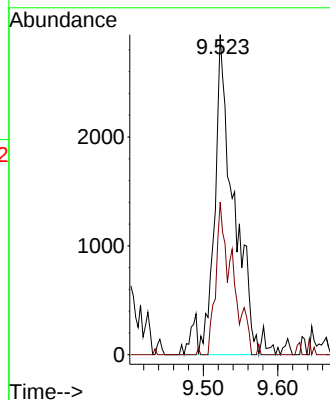
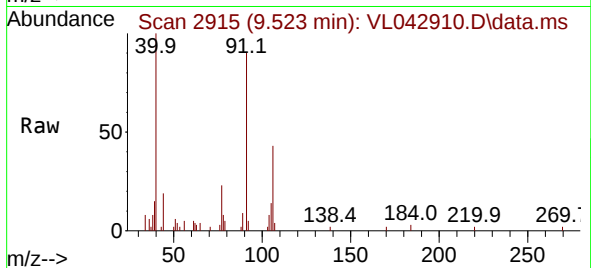
SV1

Tgt Ion: 91 Resp: 546
 Ion Ratio Lower Upper
 91 100
 106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 11.128 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. 0.006 min

Lab File: VL042910.D

Acq: 08 Sep 2025 18:56

Tgt Ion: 95 Resp: 248461
 Ion Ratio Lower Upper
 95 100
 174 56.0 48.4 72.6
 175 4.1 3.8 5.8

