

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042451.D
 Acq On : 29 Apr 2025 17:37
 Operator : SY/MD
 Sample : Q1665-07DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-1-3242025DL

Quant Time: Apr 30 01:23:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	116268	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	307149	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	260772	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	230005	10.733	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.300%
Target Compounds						
2) Dichlorodifluoromethane	1.502	85	2557	0.124	ppbv	93
9) Propene	1.492	41	3728	0.418	ppbv	89
13) Ethanol	1.725	45	99875	70.537	ppbv	75
15) Acetone	1.842	43	81145m	4.263	ppbv	
17) tert-Butyl alcohol	2.049	59	16691	0.708	ppbv #	88
19) Isopropyl Alcohol	1.894	45	84766	8.017	ppbv #	36
26) Hexane	2.839	57	7600	0.400	ppbv #	41
34) 2-Butanone	2.570	43	5426	0.223	ppbv	96
36) Benzene	3.671	78	3299	0.100	ppbv	95
44) 2,2,4-Trimethylpentane	4.658	57	6925m	0.121	ppbv	
53) Toluene	6.956	91	32058	0.806	ppbv	99
59) m/p-Xylene	9.548	91	7657m	0.184	ppbv	

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

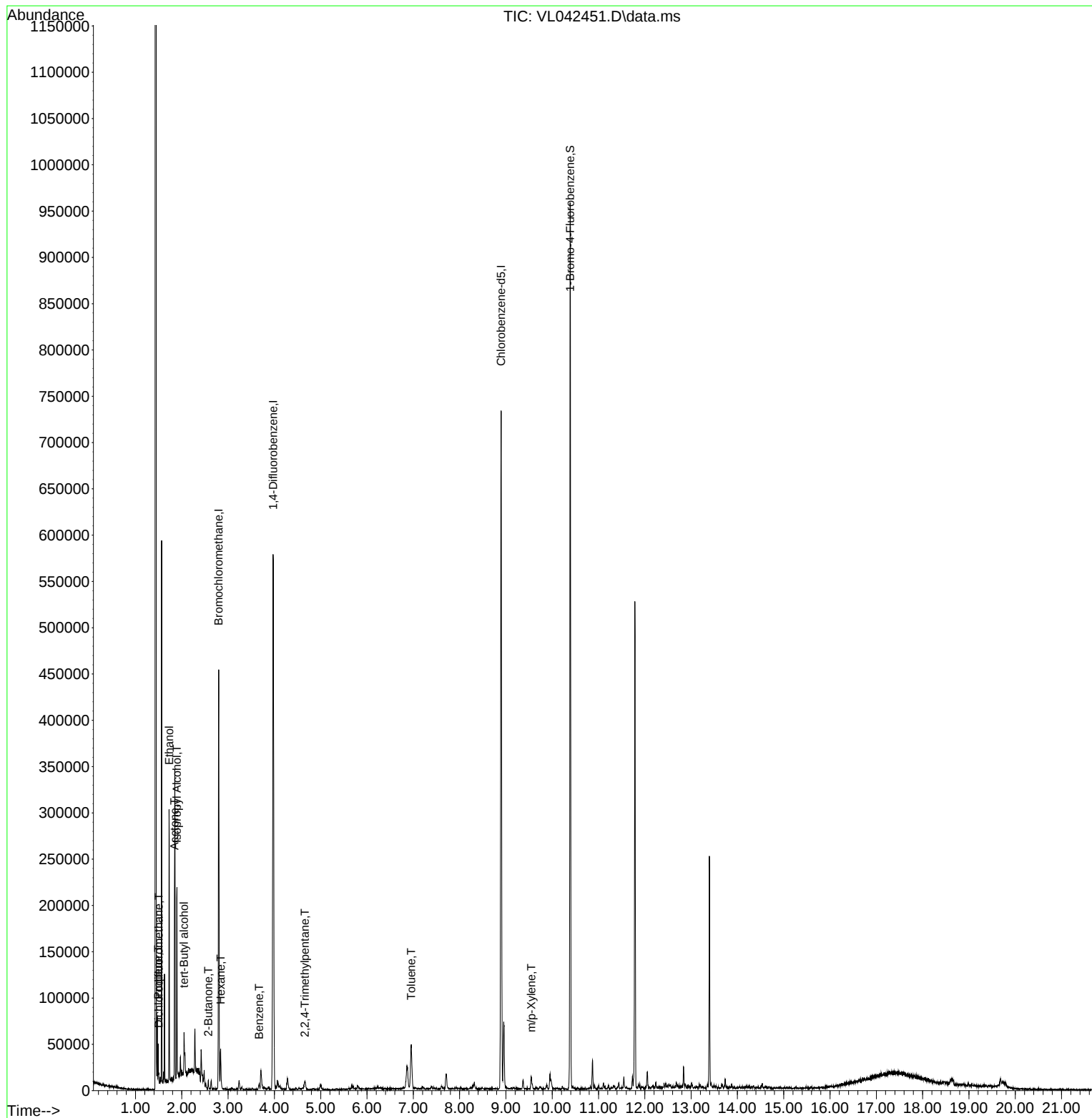
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
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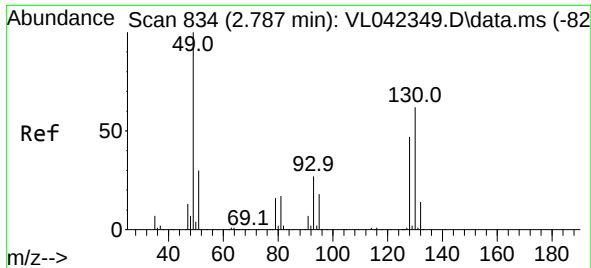
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025DL

Quant Time: Apr 30 01:23:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

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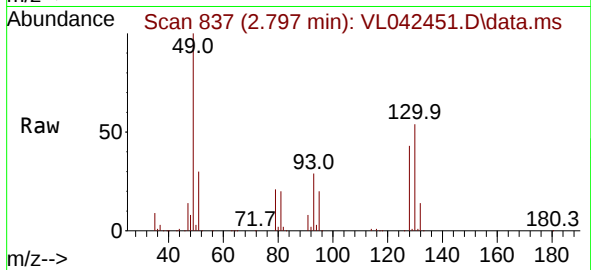
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

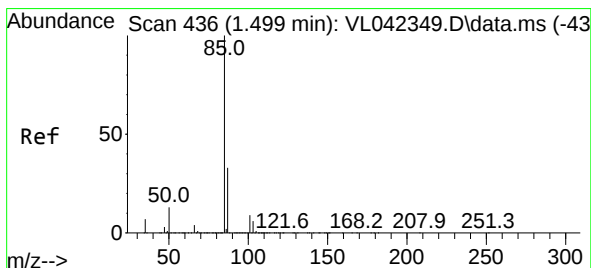
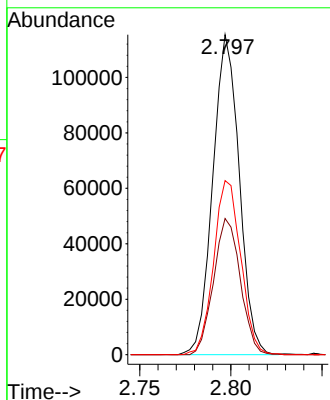
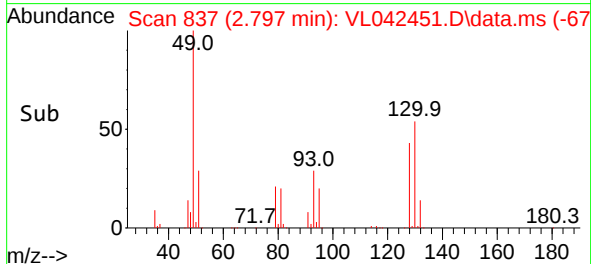
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025DL



Tgt Ion: 49 Resp: 116268
Ion Ratio Lower Upper
49 100
128 43.0 22.8 68.4
130 55.7 29.3 88.0

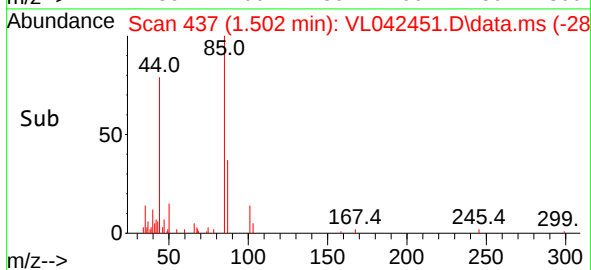
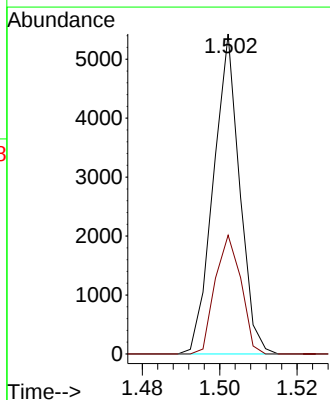
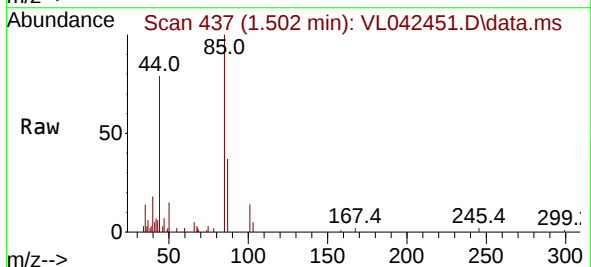
Manual Integrations
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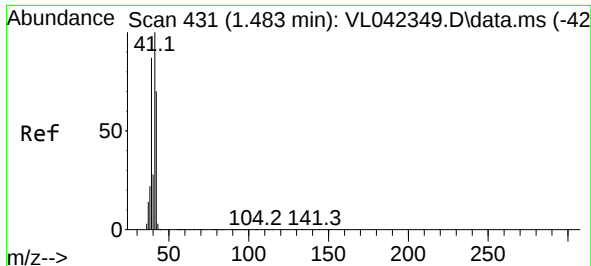
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

Tgt Ion: 85 Resp: 2557
Ion Ratio Lower Upper
85 100
87 37.1 26.6 39.8





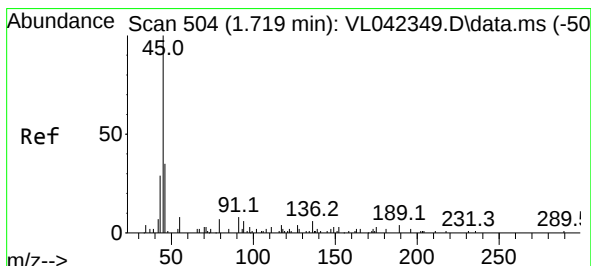
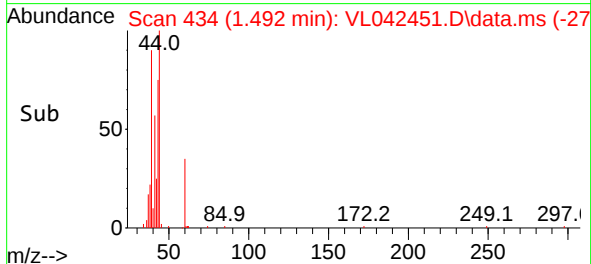
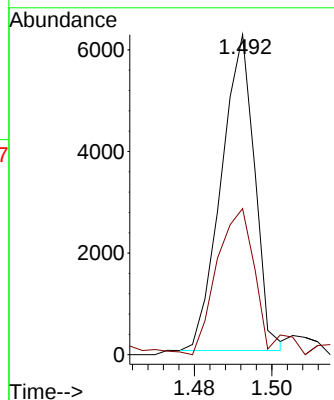
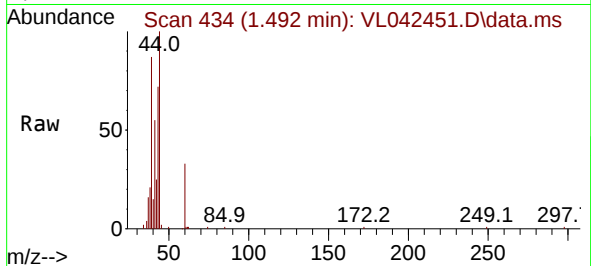
#9
Propene
Concen: 0.418 ppbv
RT: 1.492 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025DL

Tgt Ion: 41 Resp: 3728
Ion Ratio Lower Upper
41 100
42 61.4 56.2 84.4

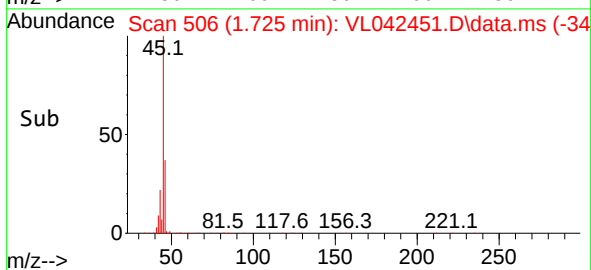
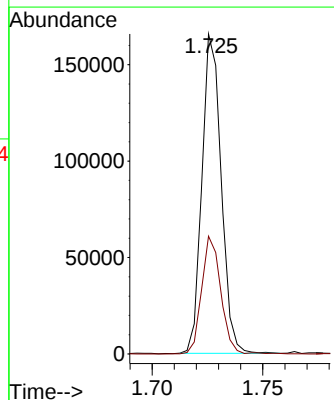
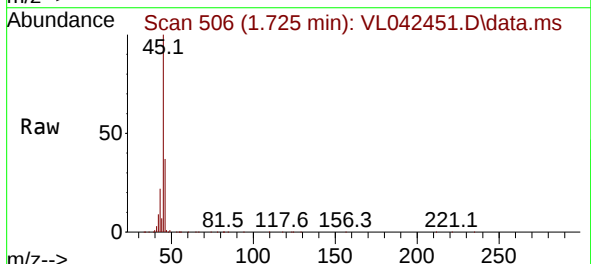
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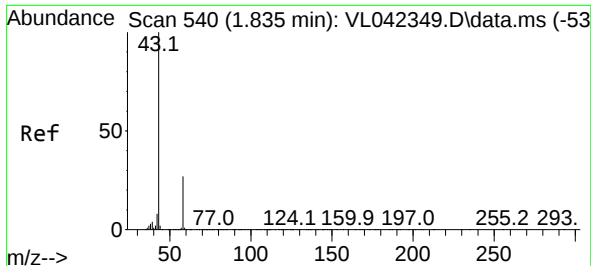
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#13
Ethanol
Concen: 70.537 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.007 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

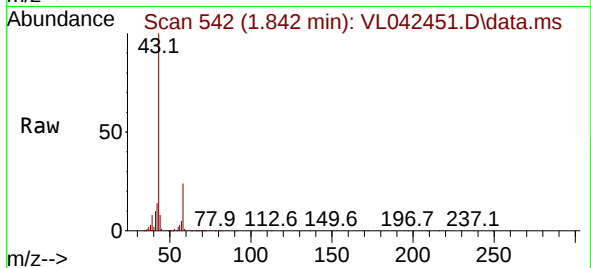
Tgt Ion: 45 Resp: 99875
Ion Ratio Lower Upper
45 100
46 36.8 21.9 87.7





#15
Acetone
Concen: 4.263 ppbv m
RT: 1.842 min Scan# 54
Delta R.T. 0.007 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

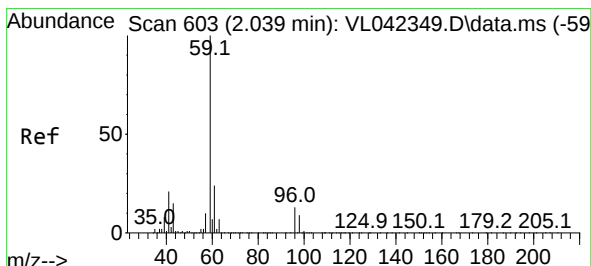
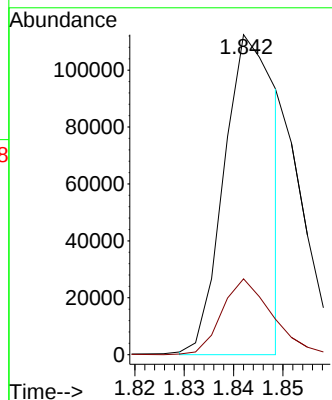
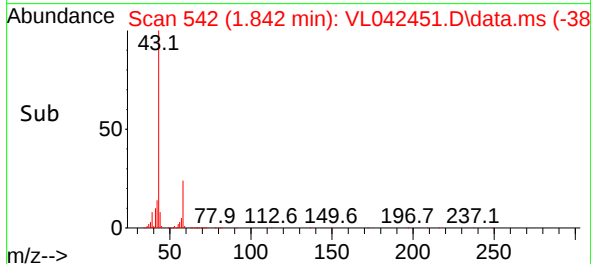
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025DL



Tgt Ion: 43 Resp: 81145
Ion Ratio Lower Upper
43 100
58 23.7 22.4 33.6

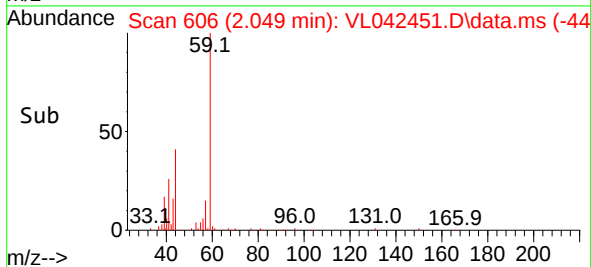
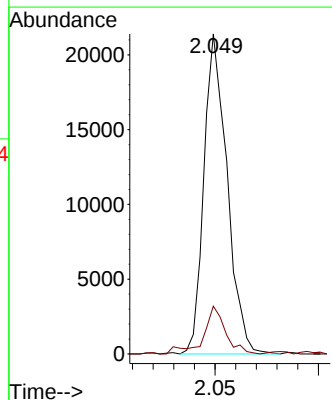
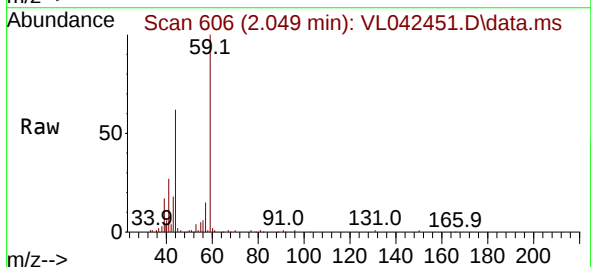
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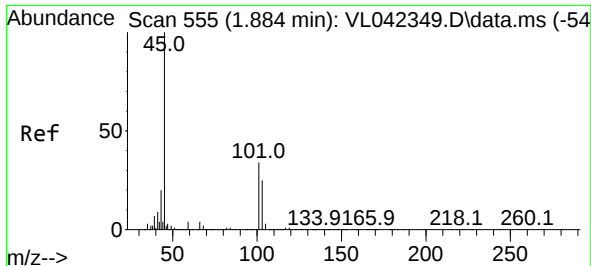
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#17
tert-Butyl alcohol
Concen: 0.708 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

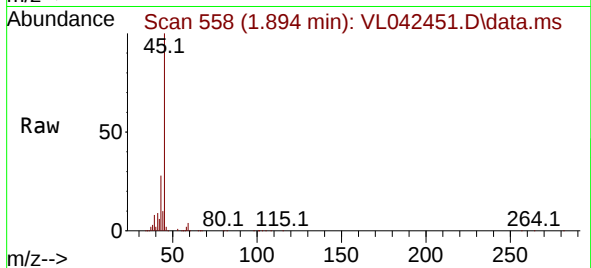
Tgt Ion: 59 Resp: 16691
Ion Ratio Lower Upper
59 100
57 15.5 8.7 13.1#





#19
Isopropyl Alcohol
Concen: 8.017 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

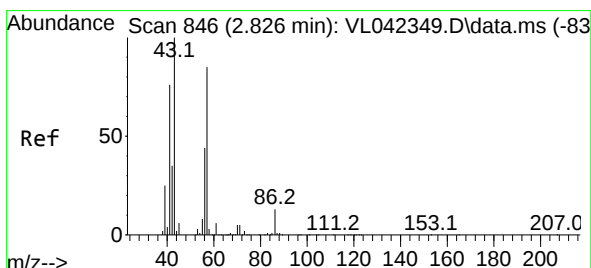
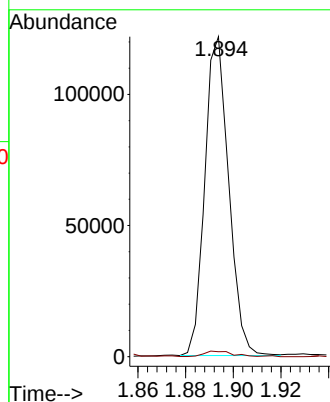
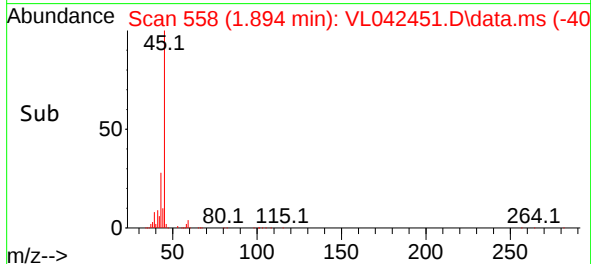
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025DL



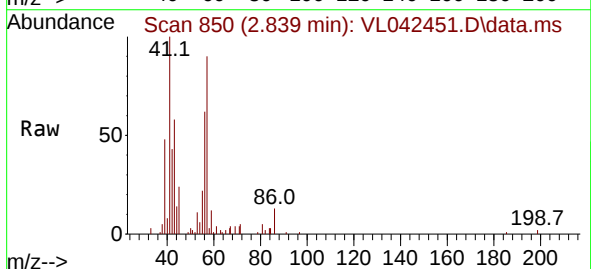
Tgt Ion: 45 Resp: 84760
Ion Ratio Lower Upper
45 100
58 2.1 34.5 51.7

Manual Integrations
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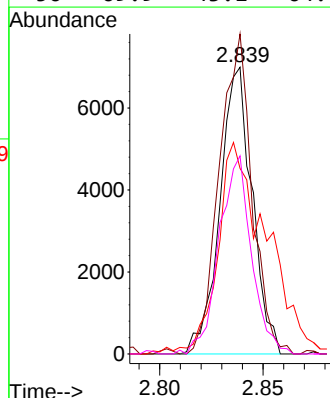
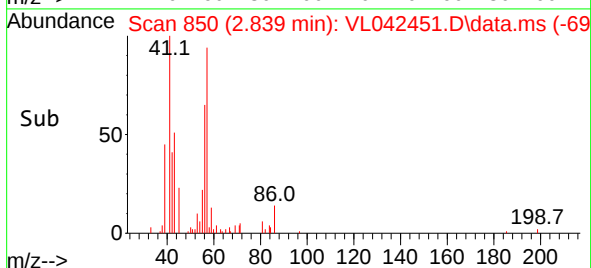
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

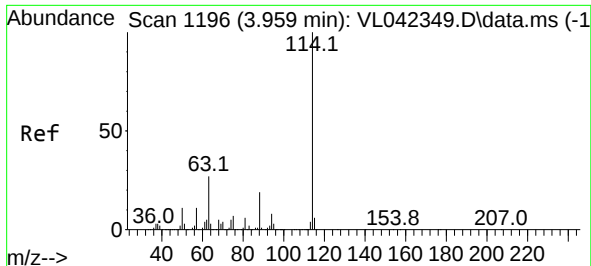


#26
Hexane
Concen: 0.400 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.013 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37



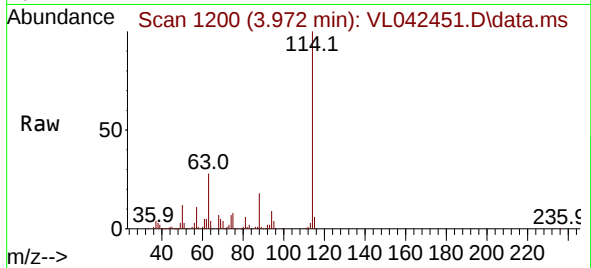
Tgt Ion: 57 Resp: 7600
Ion Ratio Lower Upper
57 100
41 113.7 77.9 116.9
43 111.5 208.4 312.6#
56 69.9 43.1 64.7#





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.972 min Scan# 1196
 Delta R.T. 0.013 min
 Lab File: VL042451.D
 Acq: 29 Apr 2025 17:37

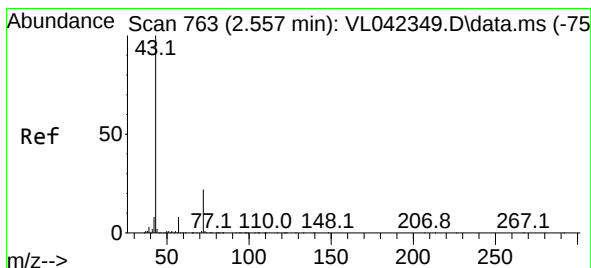
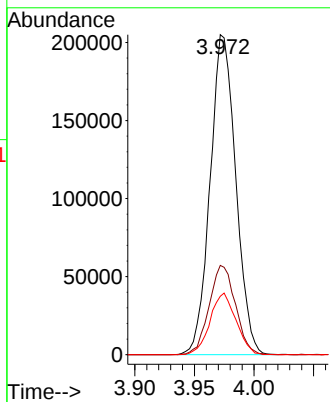
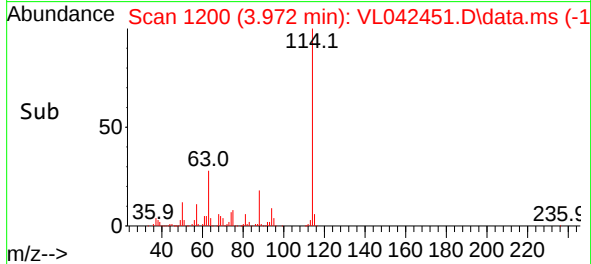
Instrument : MSVOA_L
 ClientSampleId : IA-DUP-1-3242025DL



Tgt Ion: 114 Resp: 307149
 Ion Ratio Lower Upper
 114 100
 63 28.6 21.8 32.6
 88 19.5 15.5 23.3

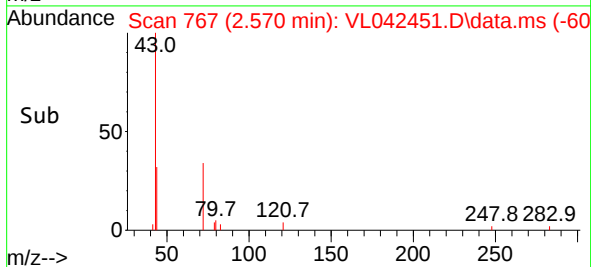
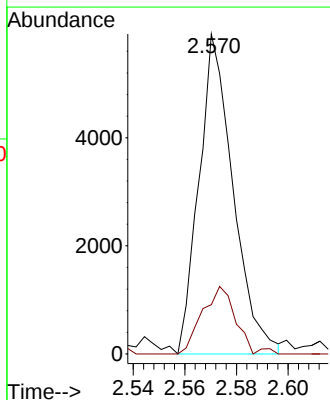
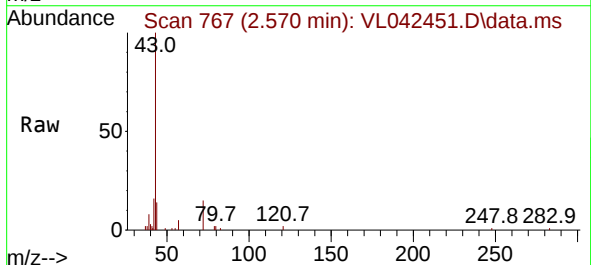
Manual Integrations
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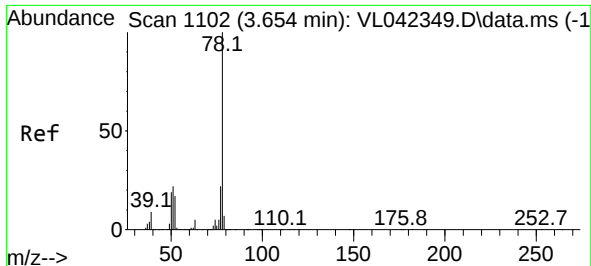
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#34
 2-Butanone
 Concen: 0.223 ppbv
 RT: 2.570 min Scan# 767
 Delta R.T. 0.013 min
 Lab File: VL042451.D
 Acq: 29 Apr 2025 17:37

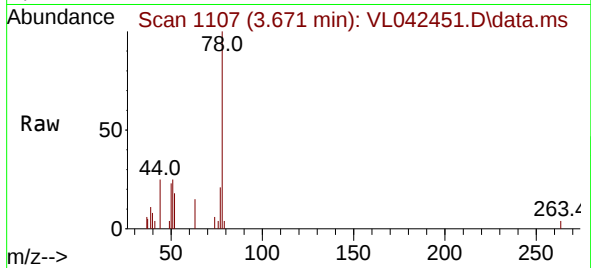
Tgt Ion: 43 Resp: 5426
 Ion Ratio Lower Upper
 43 100
 72 20.8 18.2 27.2





#36
Benzene
Concen: 0.100 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

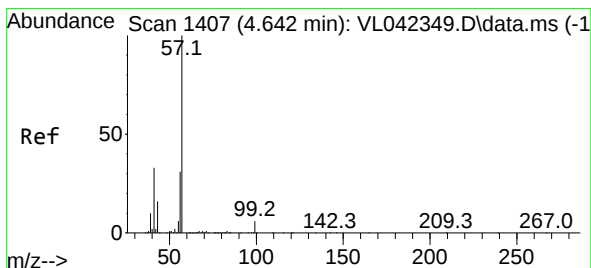
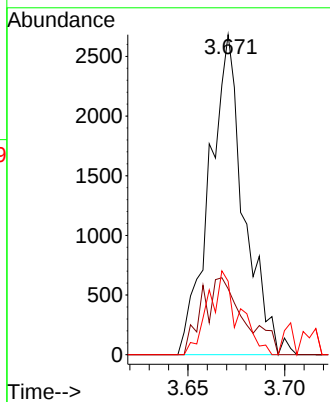
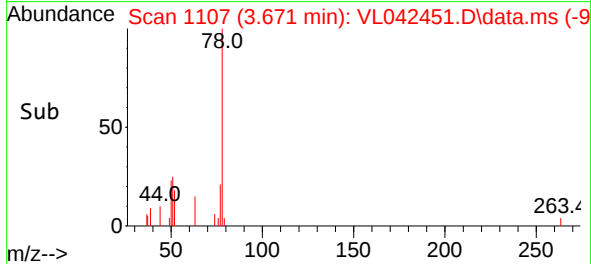
Instrument : MSVOA_L
ClientSampleId : IA-DUP-1-3242025DL



Tgt Ion: 78 Resp: 3298
Ion Ratio Lower Upper
78 100
77 20.6 17.4 26.0
50 23.0 15.5 23.3

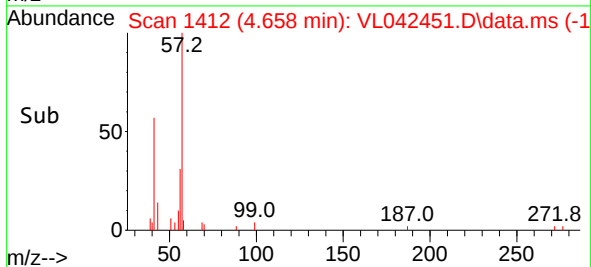
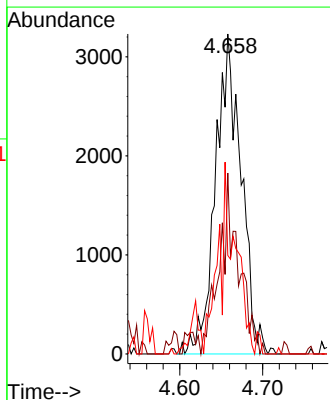
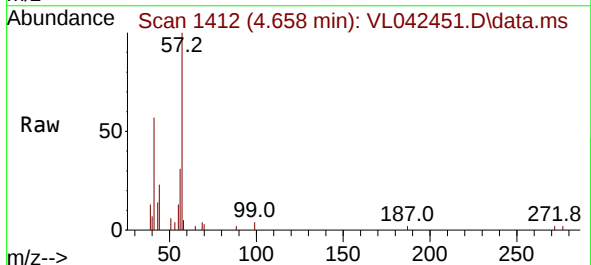
Manual Integrations
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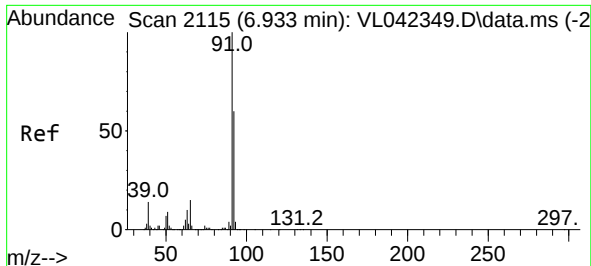
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#44
2,2,4-Trimethylpentane
Concen: 0.121 ppbv m
RT: 4.658 min Scan# 1412
Delta R.T. 0.016 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

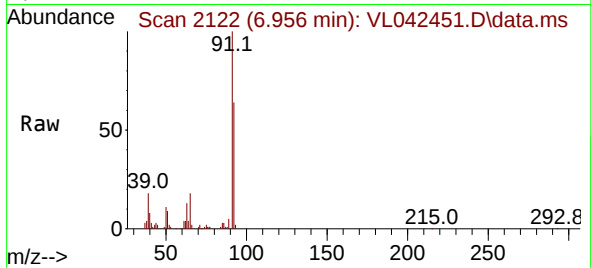
Tgt Ion: 57 Resp: 6925
Ion Ratio Lower Upper
57 100
41 45.6 27.2 40.8#
56 46.2 25.7 38.5#





#53
Toluene
Concen: 0.806 ppbv
RT: 6.956 min Scan# 2115
Delta R.T. 0.023 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

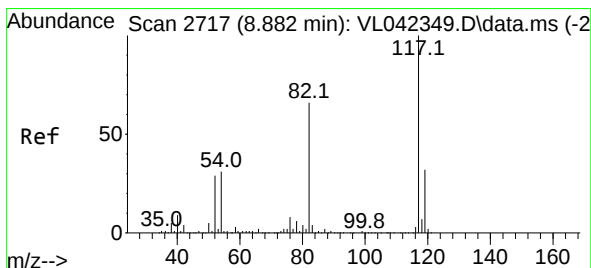
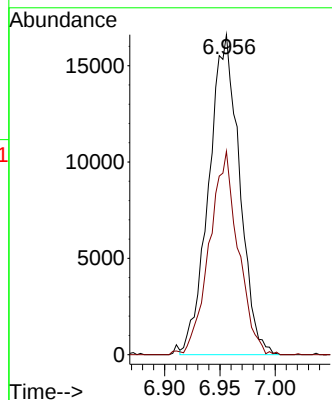
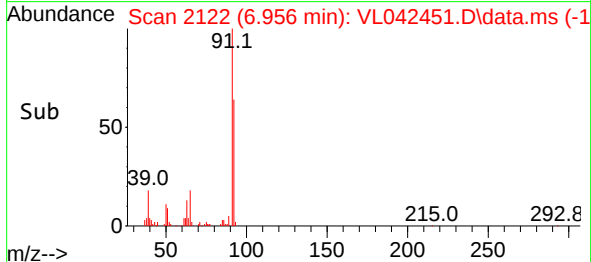
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025DL



Tgt Ion: 91 Resp: 32058
Ion Ratio Lower Upper
91 100
92 59.8 48.2 72.4

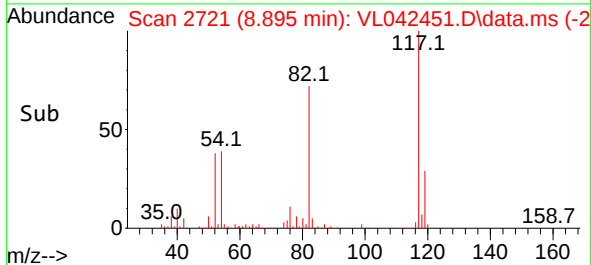
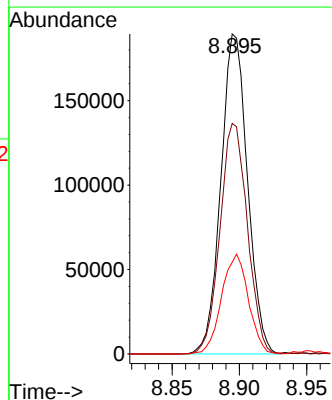
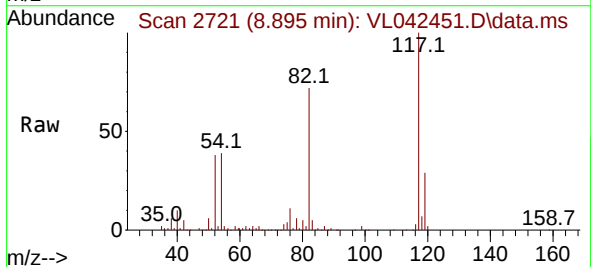
Manual Integrations
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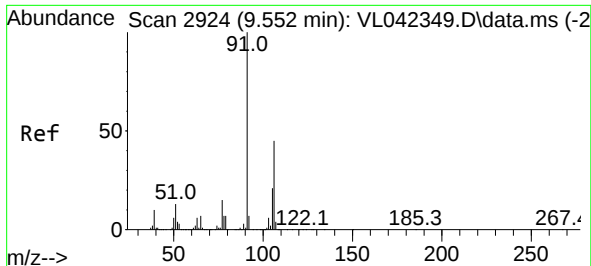
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.013 min
Lab File: VL042451.D
Acq: 29 Apr 2025 17:37

Tgt Ion:117 Resp: 260772
Ion Ratio Lower Upper
117 100
82 74.0 57.8 86.6
119 31.5 25.2 37.8





#59

m/p-Xylene

Concen: 0.184 ppbv m

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042451.D

Acq: 29 Apr 2025 17:37

Instrument :

MSVOA_L

ClientSampleId :

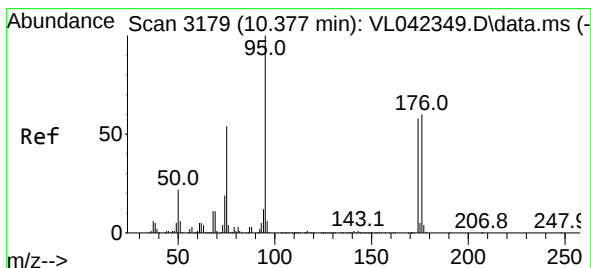
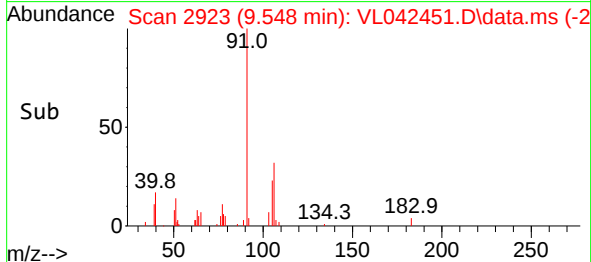
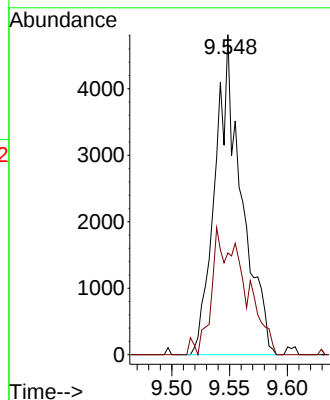
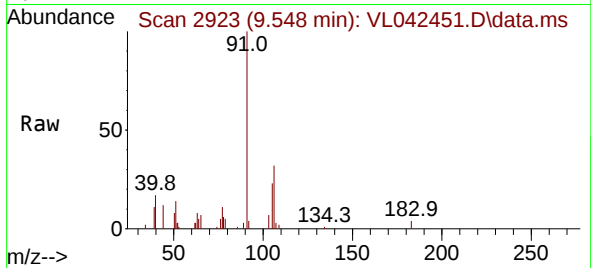
IA-DUP-1-3242025DL

Tgt Ion: 91 Resp: 765
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.733 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.013 min

Lab File: VL042451.D

Acq: 29 Apr 2025 17:37

Tgt Ion: 95 Resp: 230005
 Ion Ratio Lower Upper
 95 100
 174 52.2 48.5 72.7
 175 3.8 3.7 5.5

