

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042452.D
 Acq On : 29 Apr 2025 18:09
 Operator : SY/MD
 Sample : Q1665-19DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-3242025DL

Quant Time: Apr 30 01:24:12 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	2.794	49	114403	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	305602	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	261578	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	242040	11.260	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2645	0.131	ppbv	99
9) Propene	1.489	41	8905m	1.016	ppbv	
13) Ethanol	1.726	45	110989	79.664	ppbv	76
15) Acetone	1.842	43	80971m	4.324	ppbv	
17) tert-Butyl alcohol	2.049	59	15817	0.681	ppbv #	92
19) Isopropyl Alcohol	1.891	45	80028	7.692	ppbv #	36
20) Methylene Chloride	2.069	84	3847	0.525	ppbv #	83
26) Hexane	2.836	57	8047	0.431	ppbv #	42
34) 2-Butanone	2.567	43	8758	0.362	ppbv	97
44) 2,2,4-Trimethylpentane	4.655	57	7159m	0.126	ppbv	
53) Toluene	6.943	91	27990m	0.708	ppbv	
59) m/p-Xylene	9.545	91	7293m	0.175	ppbv	

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

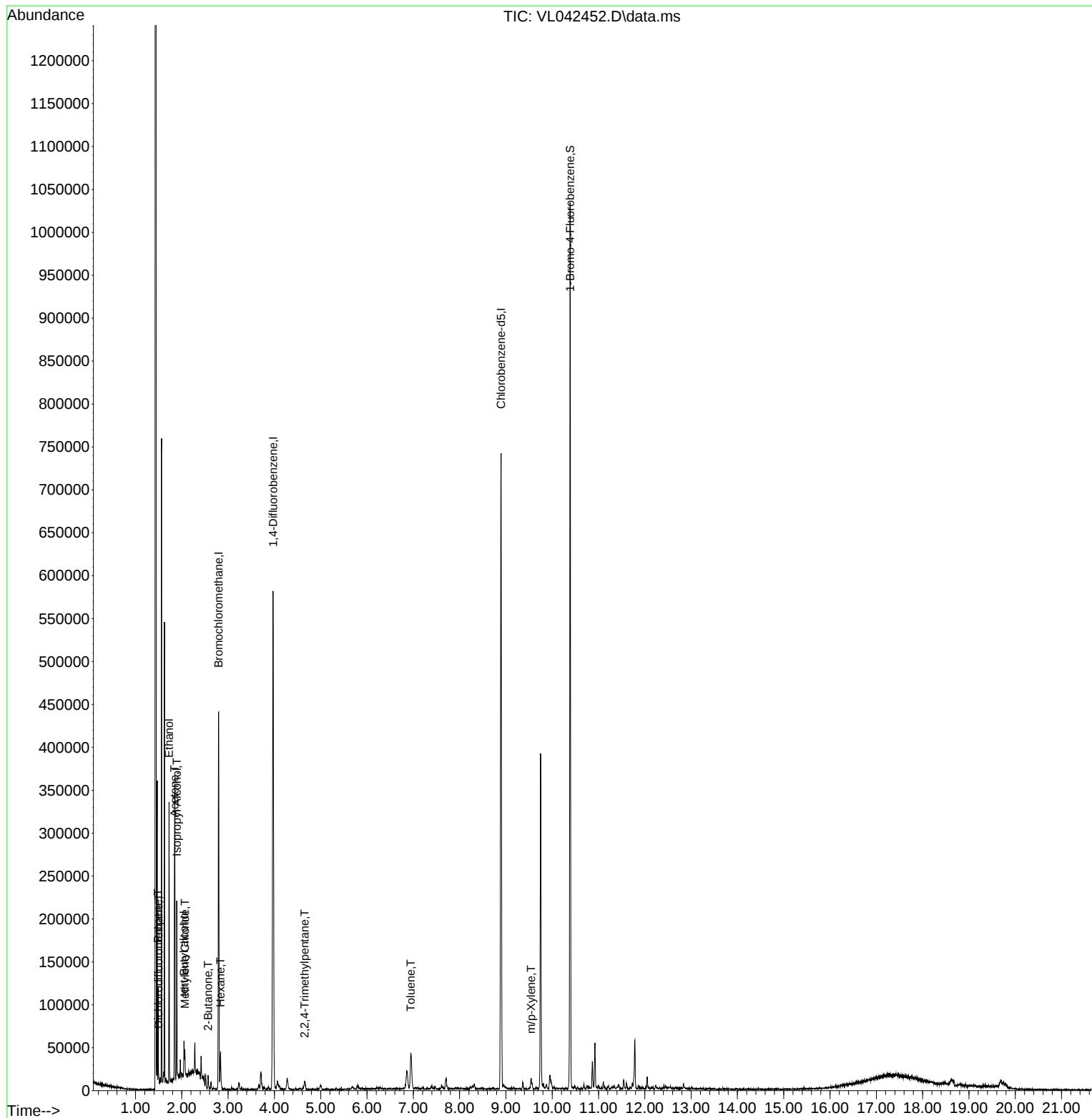
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042452.D
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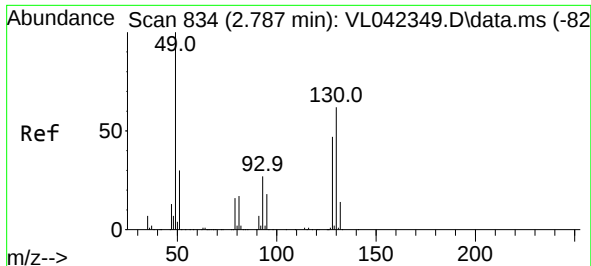
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025DL

Quant Time: Apr 30 01:24:12 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
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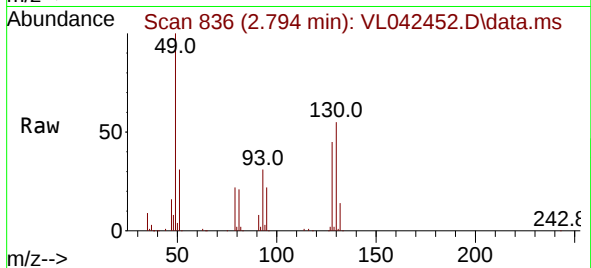
Reviewed By : Semsettin Yesilyurt 04/30/2025
Supervised By : Mahesh Dadoda 04/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

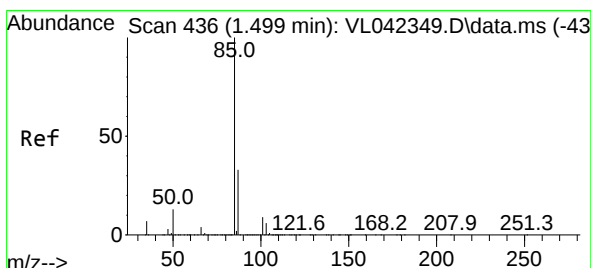
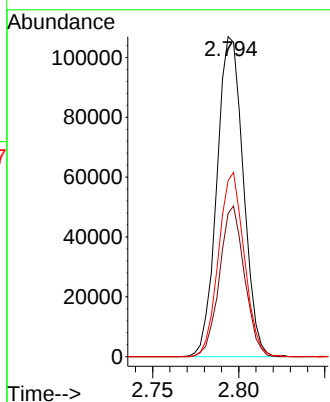
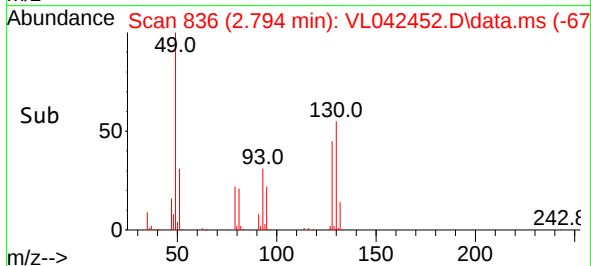
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025DL



Tgt Ion: 49 Resp: 11440
Ion Ratio Lower Upper
49 100
128 44.4 22.8 68.4
130 55.9 29.3 88.0

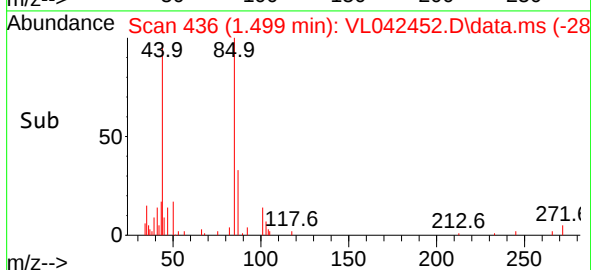
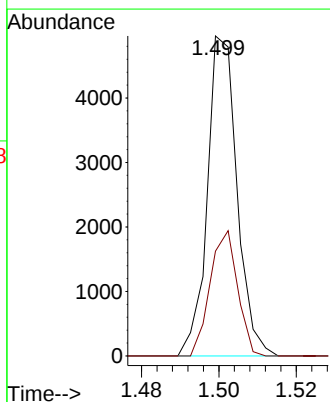
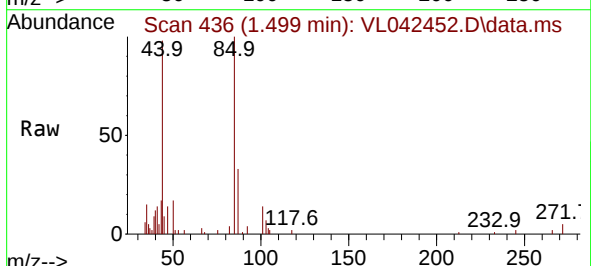
Manual Integrations
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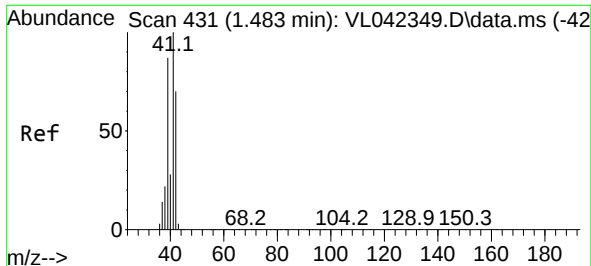
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.131 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

Tgt Ion: 85 Resp: 2645
Ion Ratio Lower Upper
85 100
87 32.8 26.6 39.8





#9

Propene

Concen: 1.016 ppbv m

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042452.D

Acq: 29 Apr 2025 18:09

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-3242025DL

Tgt Ion: 41 Resp: 890

Ion Ratio Lower Upper

41 100

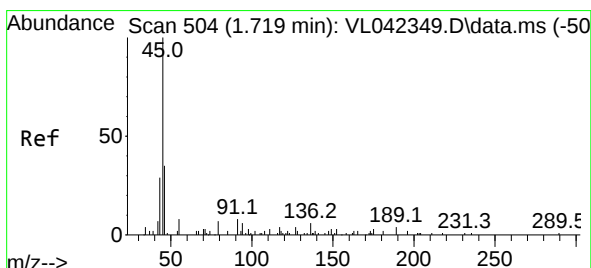
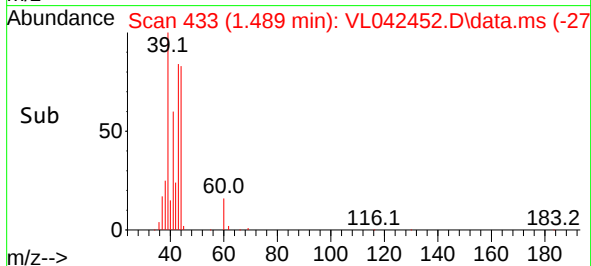
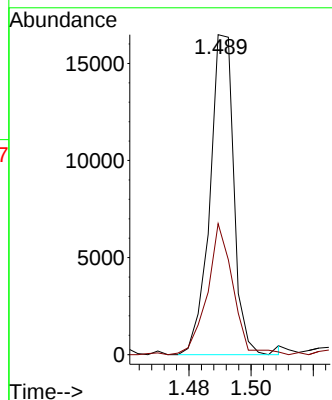
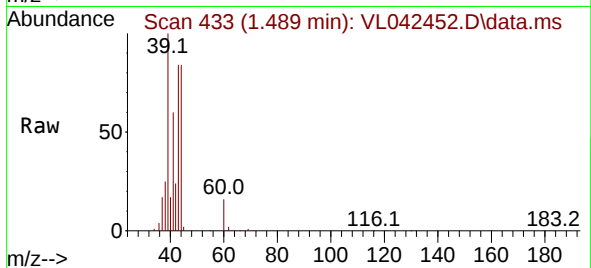
42 661.6 56.2 84.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025

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#13

Ethanol

Concen: 79.664 ppbv

RT: 1.726 min Scan# 506

Delta R.T. 0.007 min

Lab File: VL042452.D

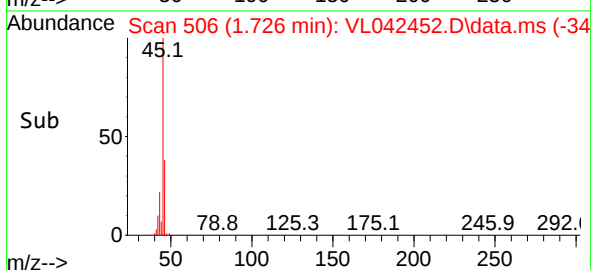
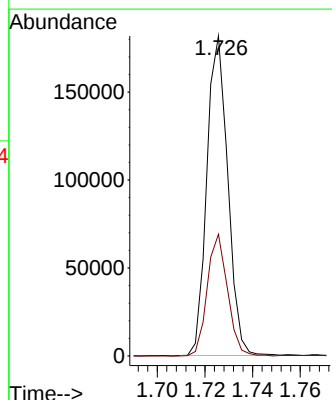
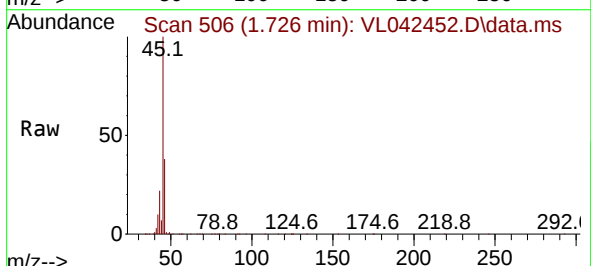
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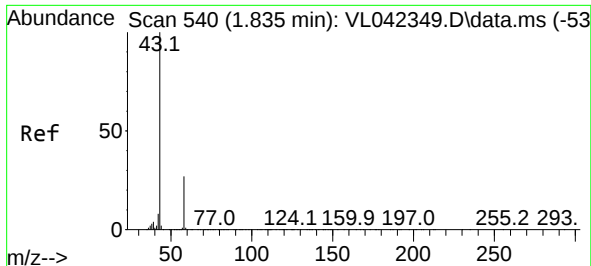
Tgt Ion: 45 Resp: 110989

Ion Ratio Lower Upper

45 100

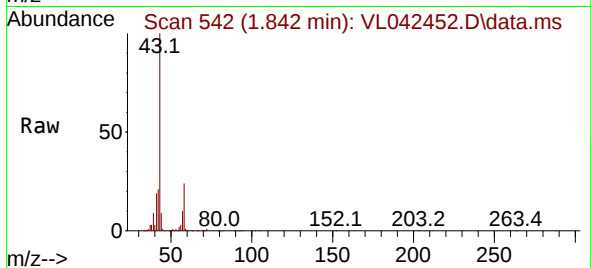
46 37.3 21.9 87.7





#15
Acetone
Concen: 4.324 ppbv m
RT: 1.842 min Scan# 540
Delta R.T. 0.007 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

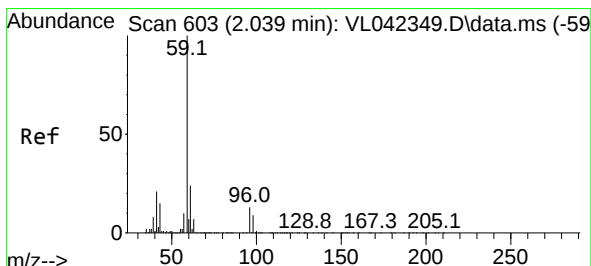
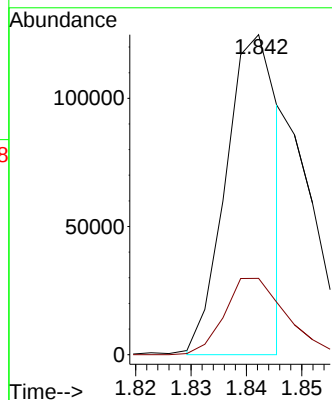
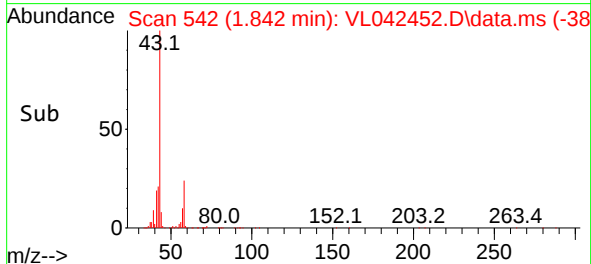
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025DL



Tgt Ion: 43 Resp: 8097
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6

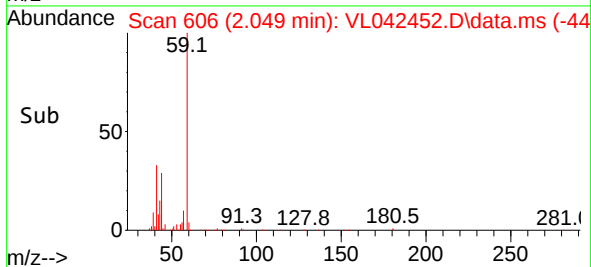
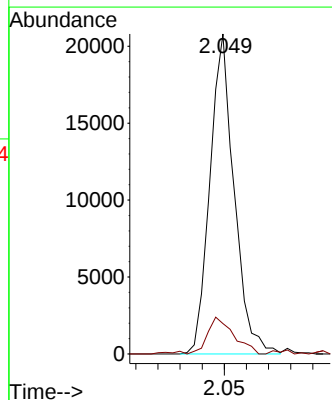
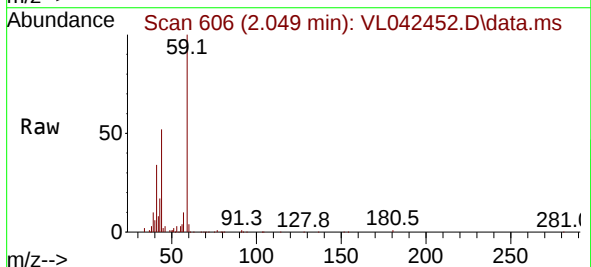
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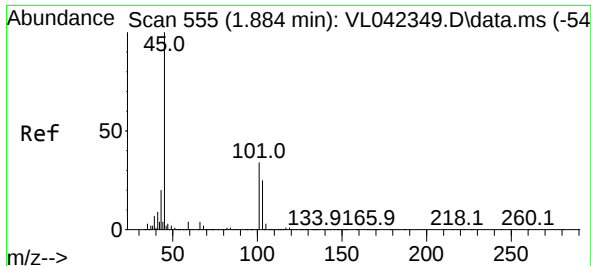
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#17
tert-Butyl alcohol
Concen: 0.681 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

Tgt Ion: 59 Resp: 15817
Ion Ratio Lower Upper
59 100
57 14.1 8.7 13.1#





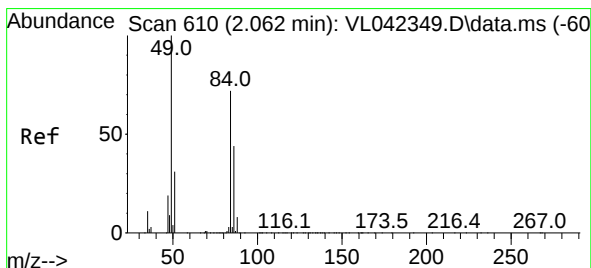
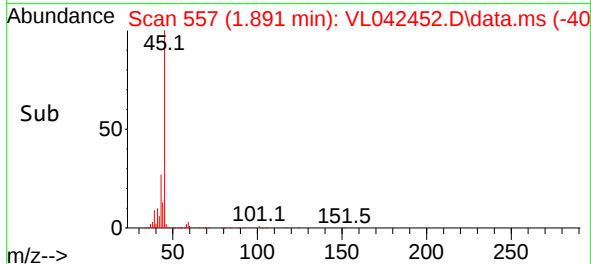
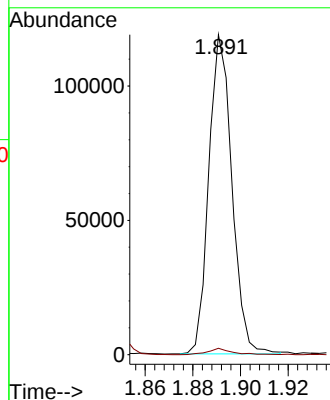
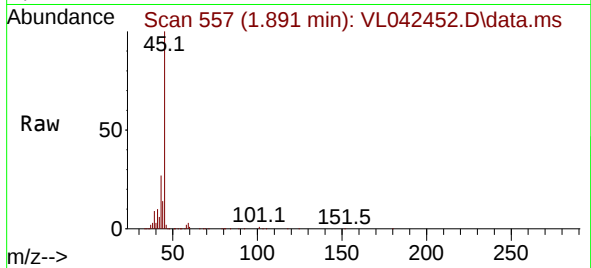
#19
Isopropyl Alcohol
Concen: 7.692 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025DL

Tgt Ion: 45 Resp: 80028
Ion Ratio Lower Upper
45 100
58 2.3 34.5 51.7

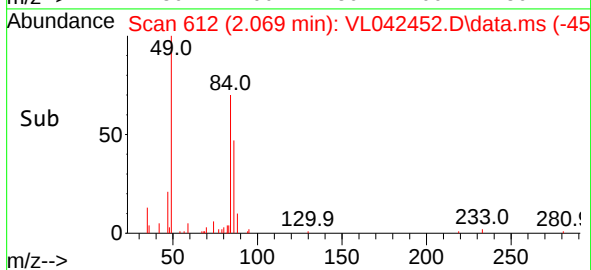
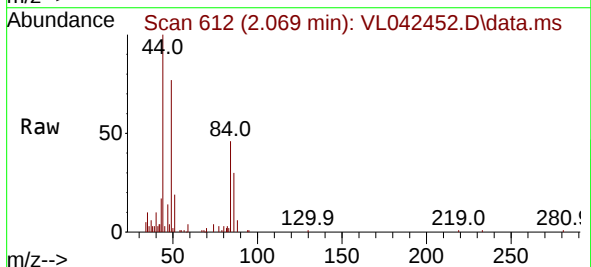
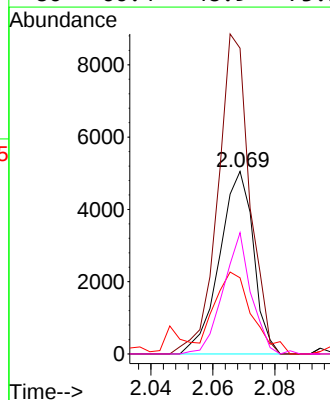
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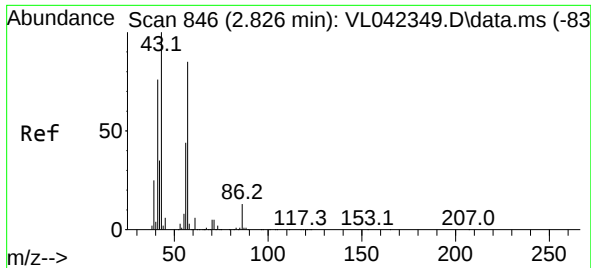
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#20
Methylene Chloride
Concen: 0.525 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.007 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

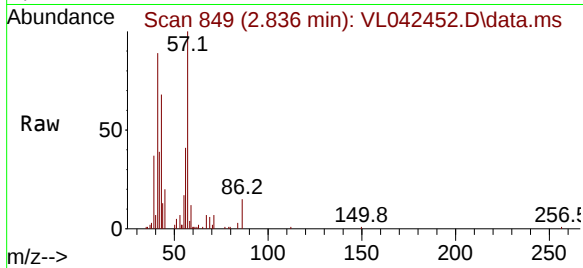
Tgt Ion: 84 Resp: 3847
Ion Ratio Lower Upper
84 100
49 167.5 111.6 167.4#
51 35.0 35.1 52.7#
86 66.4 48.9 73.3





#26
Hexane
Concen: 0.431 ppbv
RT: 2.836 min Scan# 846
Delta R.T. 0.010 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

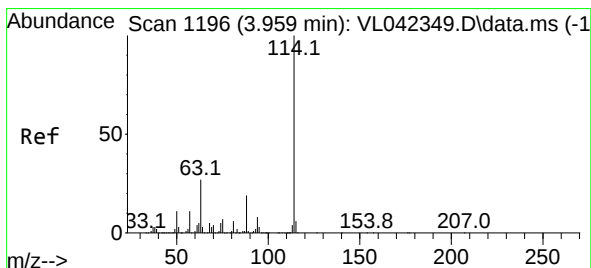
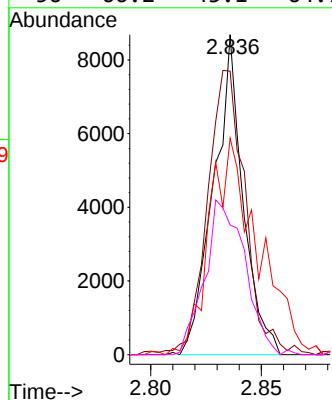
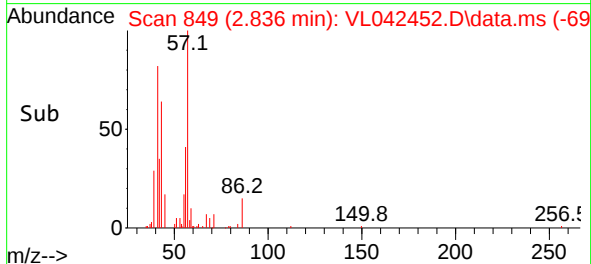
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025DL



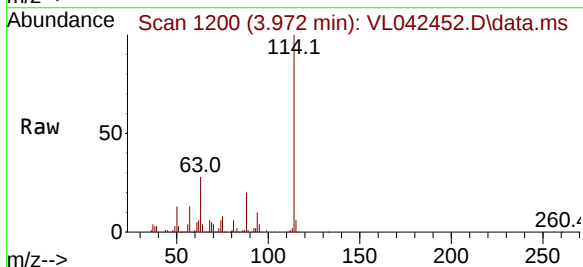
Tgt Ion: 57 Resp: 804
Ion Ratio Lower Upper
57 100
41 114.0 77.9 116.9
43 112.8 208.4 312.6
56 66.2 43.1 64.7#

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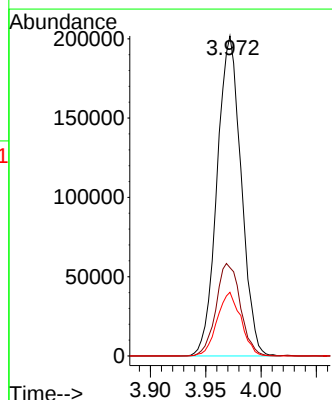
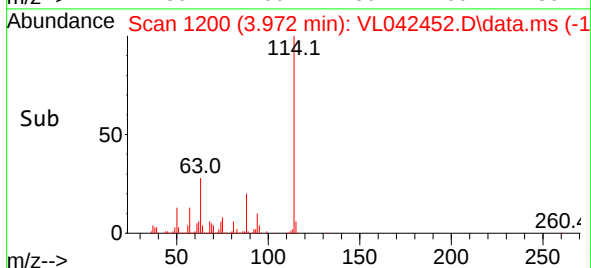
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

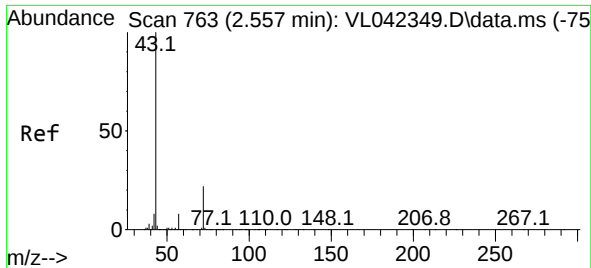


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.013 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09



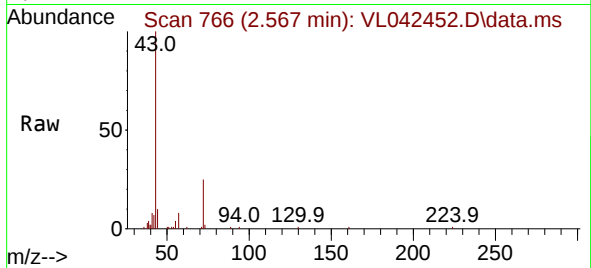
Tgt Ion:114 Resp: 305602
Ion Ratio Lower Upper
114 100
63 29.3 21.8 32.6
88 19.7 15.5 23.3





#34
2-Butanone
Concen: 0.362 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

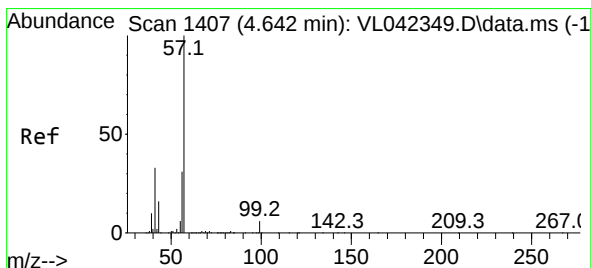
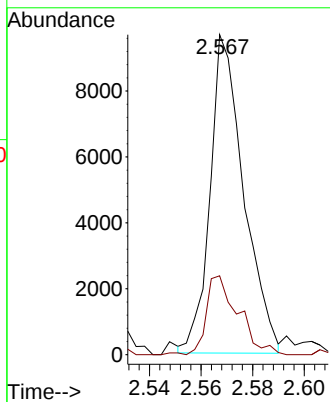
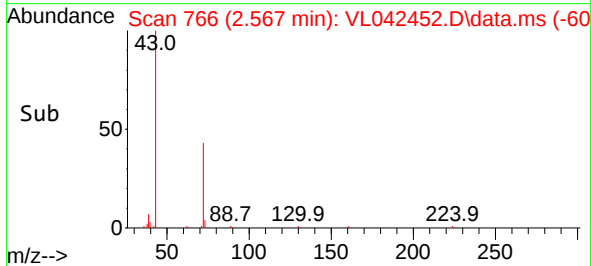
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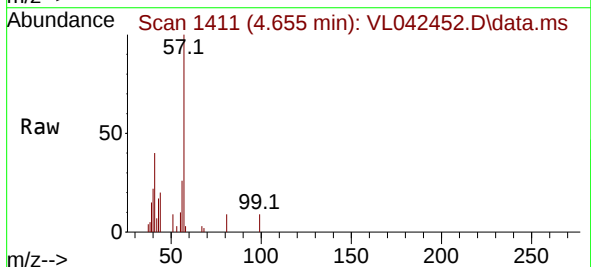
Tgt Ion: 43 Resp: 8758
Ion Ratio Lower Upper
43 100
72 24.0 18.2 27.2

Manual Integrations
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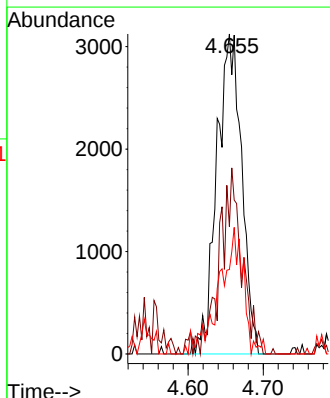
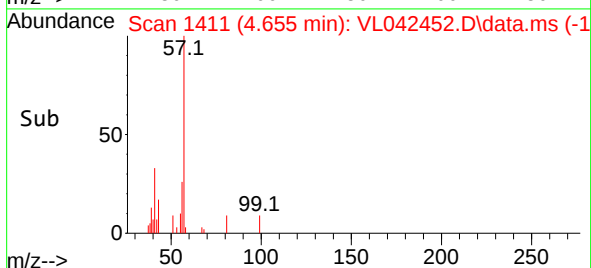
Reviewed By :Semsettin Yesilyurt 04/30/2025
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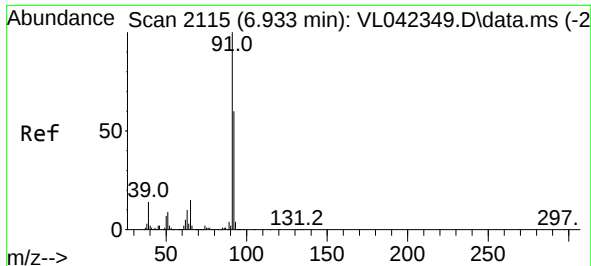


#44
2,2,4-Trimethylpentane
Concen: 0.126 ppbv m
RT: 4.655 min Scan# 1411
Delta R.T. 0.013 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09



Tgt Ion: 57 Resp: 7159
Ion Ratio Lower Upper
57 100
41 53.0 27.2 40.8#
56 0.0 25.7 38.5#





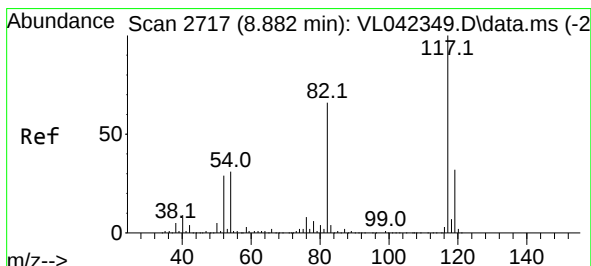
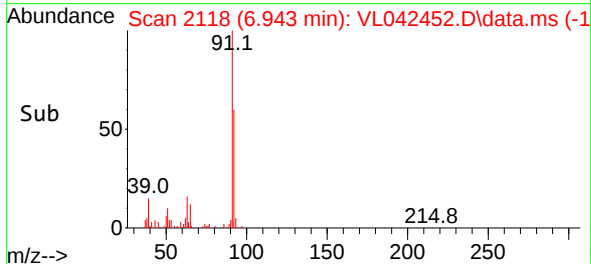
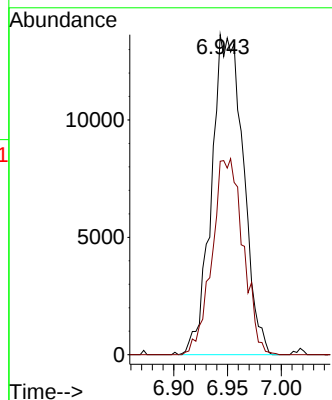
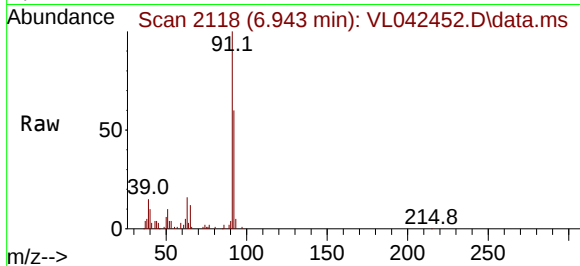
#53
Toluene
Concen: 0.708 ppbv m
RT: 6.943 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-3242025DL

Tgt Ion: 91 Resp: 27990
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.4

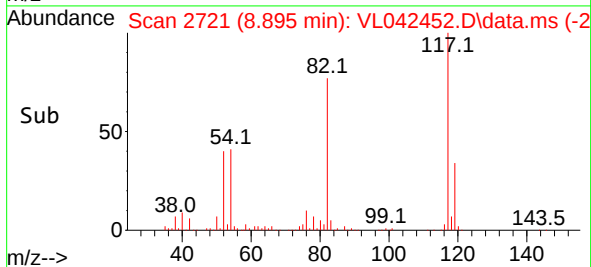
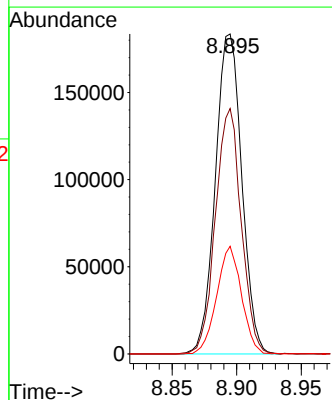
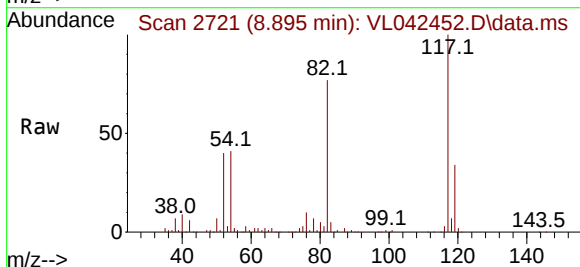
Manual Integrations
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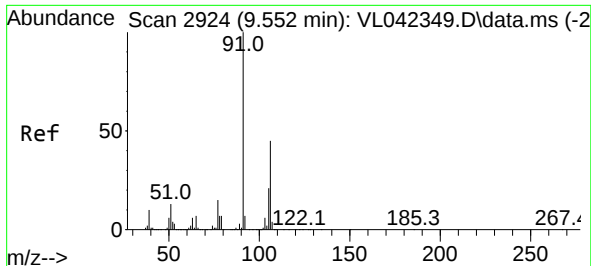
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.013 min
Lab File: VL042452.D
Acq: 29 Apr 2025 18:09

Tgt Ion:117 Resp: 261578
Ion Ratio Lower Upper
117 100
82 74.7 57.8 86.6
119 31.6 25.2 37.8





#59

m/p-Xylene

Concen: 0.175 ppbv m

RT: 9.545 min Scan# 2924

Delta R.T. -0.006 min

Lab File: VL042452.D

Acq: 29 Apr 2025 18:09

Instrument :

MSVOA_L

ClientSampleId :

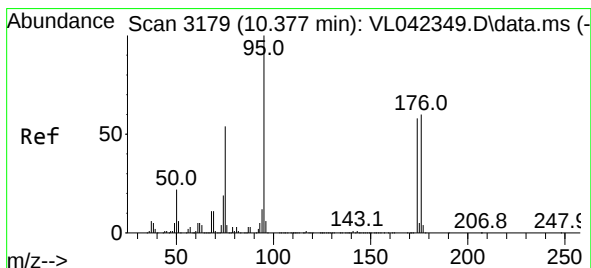
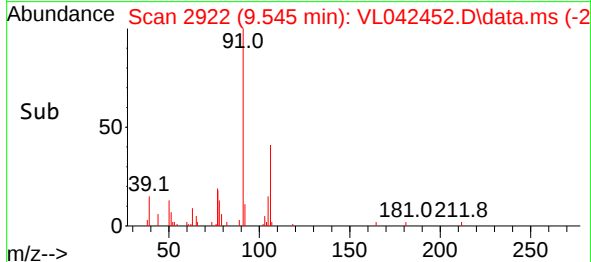
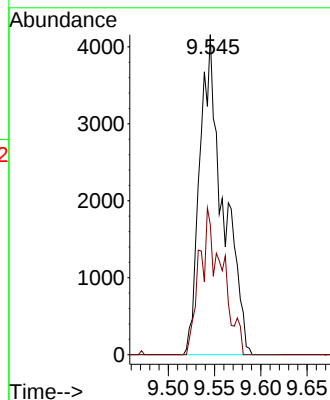
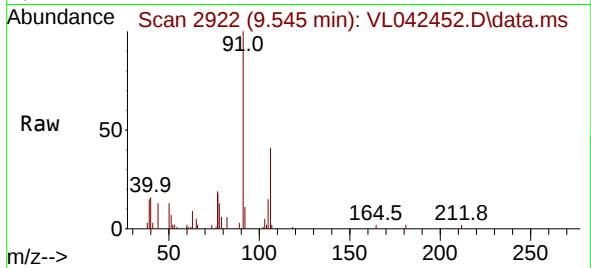
IA-B2-2-3242025DL

Tgt Ion: 91 Resp: 729
 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: 11.260 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.010 min

Lab File: VL042452.D

Acq: 29 Apr 2025 18:09

Tgt Ion: 95 Resp: 242040
 Ion Ratio Lower Upper
 95 100
 174 51.1 48.5 72.7
 175 3.5 3.7 5.5

