

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042404.D
 Acq On : 21 Apr 2025 14:44
 Operator : SY/MD
 Sample : Q1844-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:54:42 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

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

Internal Standards						
1) Bromochloromethane	2.784	49	132427	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	368774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	315151	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	263653	10.181	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	309408m	30.494	ppbv	
13) Ethanol	1.729	45	2712814	1682.135	ppbv	99
15) Acetone	1.835	43	98175	4.529	ppbv #	86
17) tert-Butyl alcohol	2.046	59	28201	1.050	ppbv #	71
19) Isopropyl Alcohol	1.887	45	471563	39.157	ppbv #	39
20) Methylene Chloride	2.059	84	2138	0.252	ppbv #	93
26) Hexane	2.819	57	3436	0.159	ppbv	93
34) 2-Butanone	2.557	43	4166	0.143	ppbv	99
36) Benzene	3.654	78	100002	2.514	ppbv #	92
52) Tetrachloroethene	8.218	164	58798	3.824	ppbv	97
53) Toluene	6.933	91	17955m	0.376	ppbv	
59) m/p-Xylene	9.529	91	7691m	0.153	ppbv	

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

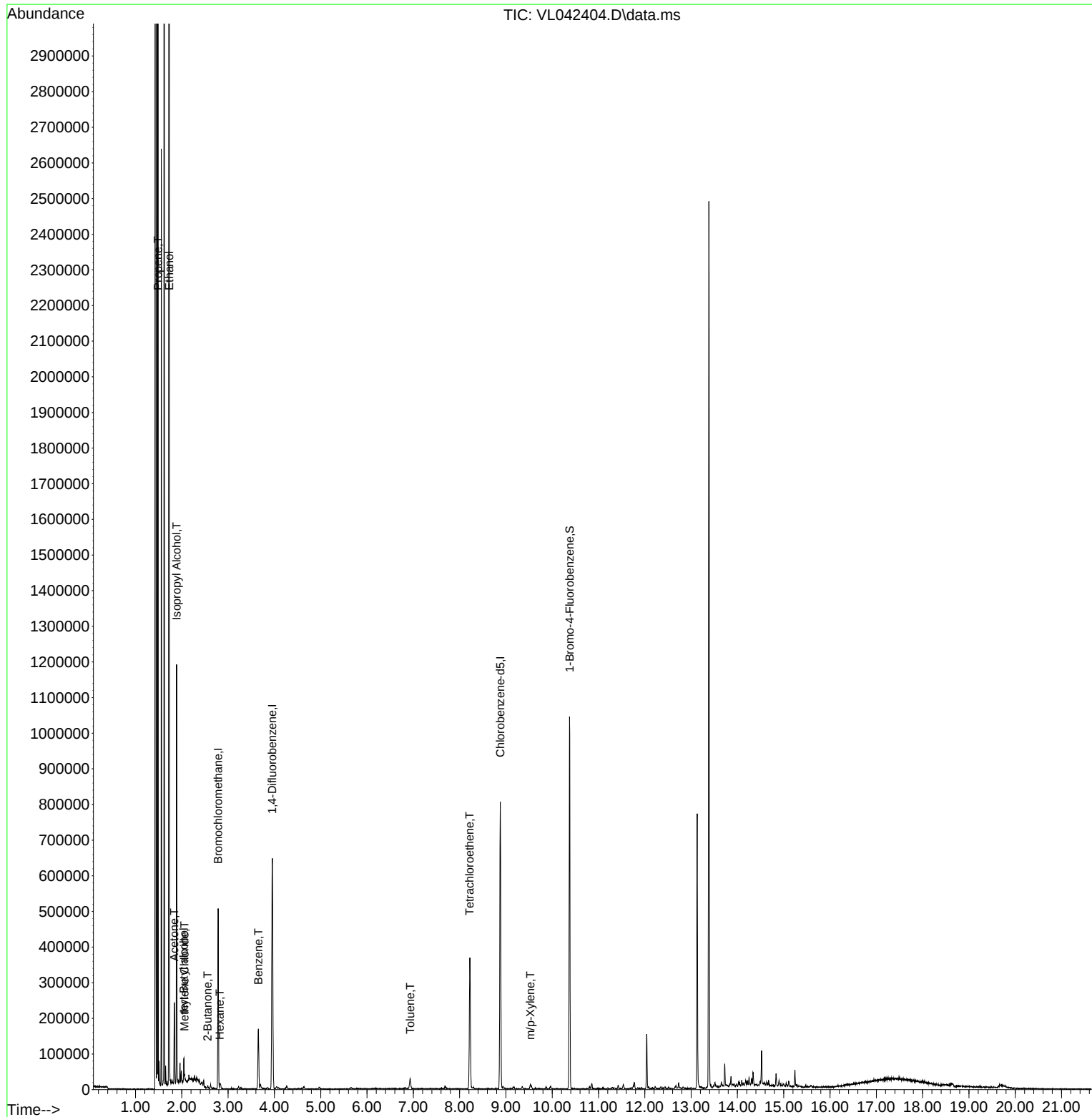
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042404.D
Acq On : 21 Apr 2025 14:44
Operator : SY/MD
Sample : Q1844-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

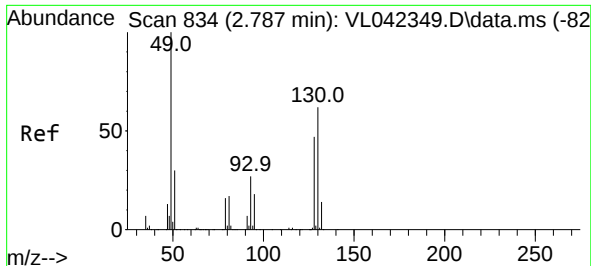
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Quant Time: Apr 22 02:54:42 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

Manual Integrations
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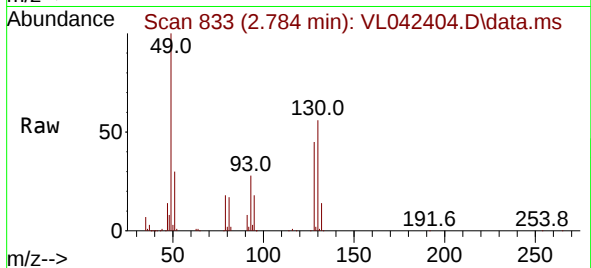
Reviewed By : Semsettin Yesilyurt 04/22/2025
Supervised By : Mahesh Dadoda 04/22/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

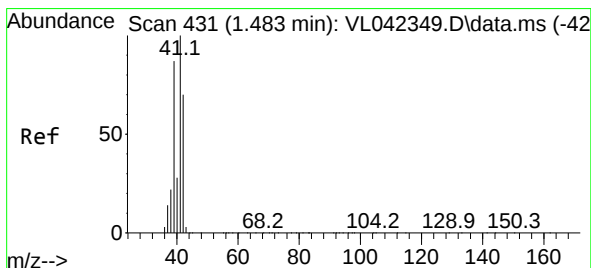
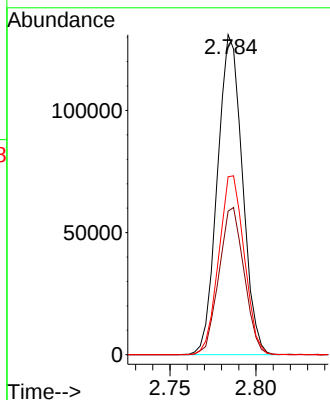
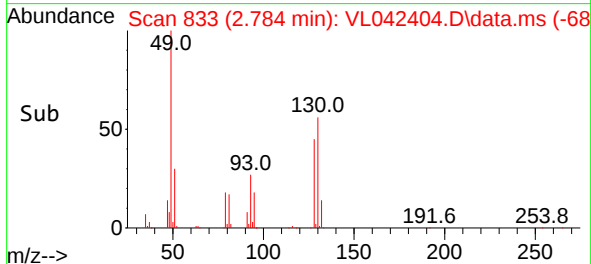
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



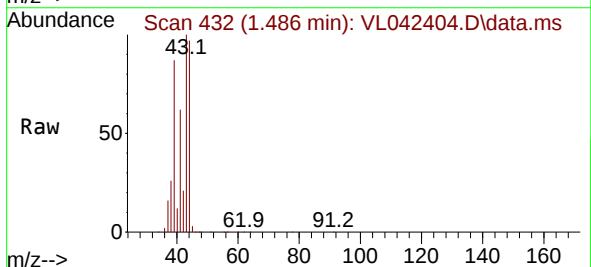
Tgt Ion: 49 Resp: 13242
Ion Ratio Lower Upper
49 100
128 46.4 22.8 68.4
130 57.2 29.3 88.0

Manual Integrations
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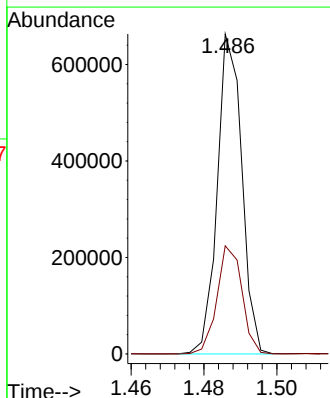
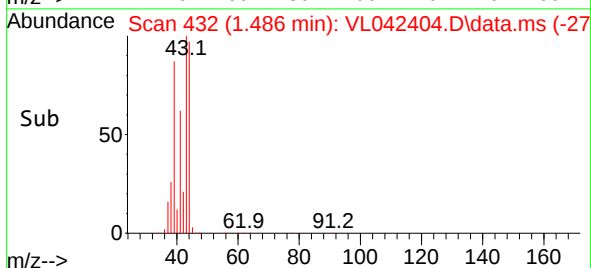
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

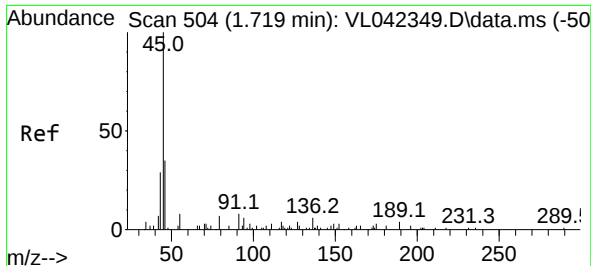


#9
Propene
Concen: 30.494 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44



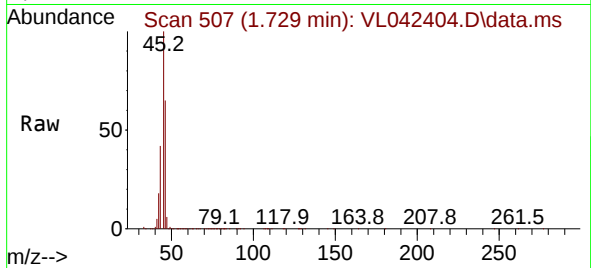
Tgt Ion: 41 Resp: 309408
Ion Ratio Lower Upper
41 100
42 68.5 56.2 84.4





#13
Ethanol
Concen: 1682.135 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

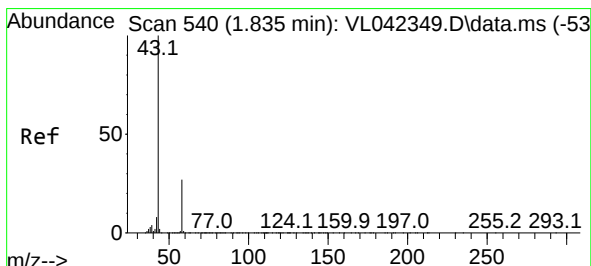
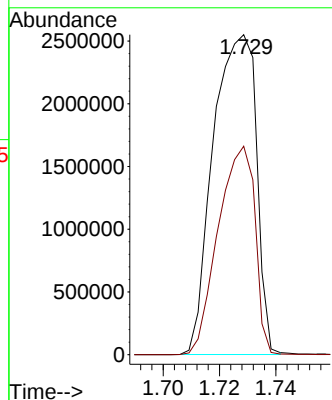
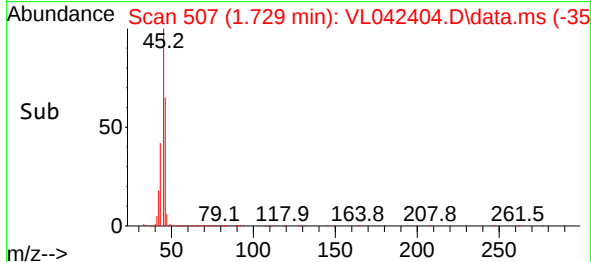
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 45 Resp: 2712814
Ion Ratio Lower Upper
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46 55.7 21.9 87.7

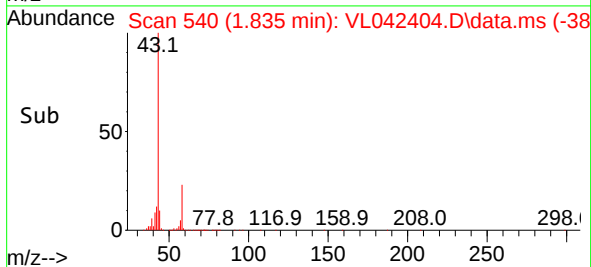
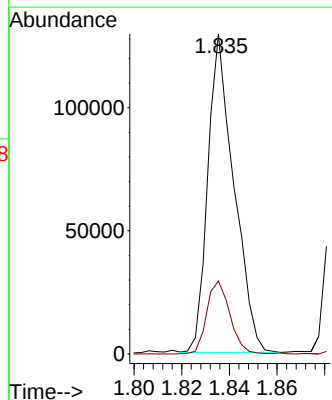
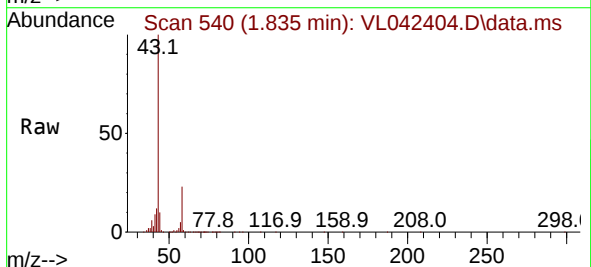
Manual Integrations
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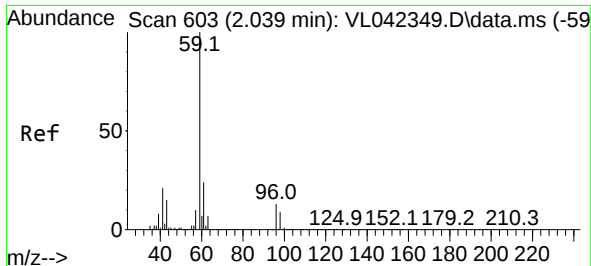
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#15
Acetone
Concen: 4.529 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 43 Resp: 98175
Ion Ratio Lower Upper
43 100
58 20.5 22.4 33.6#





#17

tert-Butyl alcohol

Concen: 1.050 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 59 Resp: 2820

Ion Ratio Lower Upper

59 100

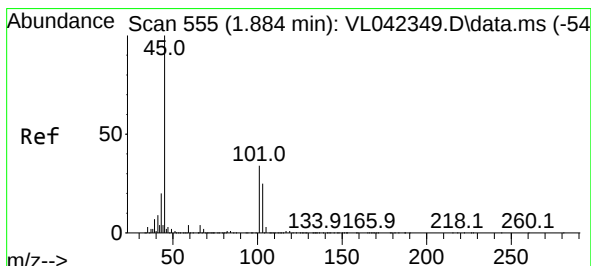
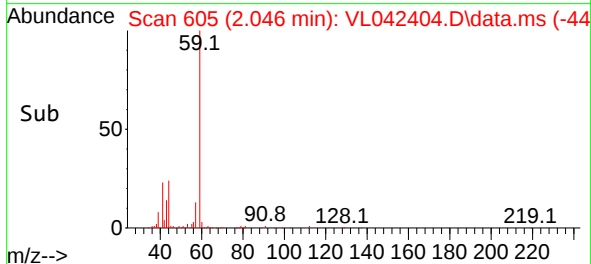
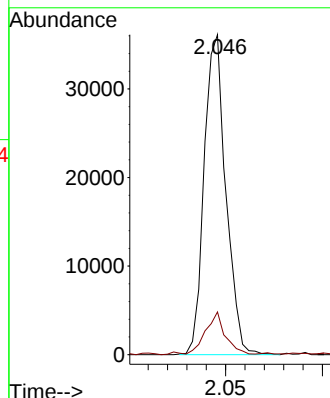
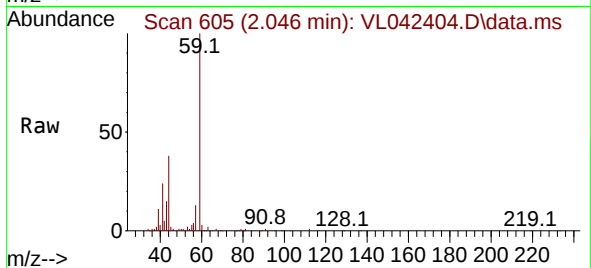
57 0.0 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#19

Isopropyl Alcohol

Concen: 39.157 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042404.D

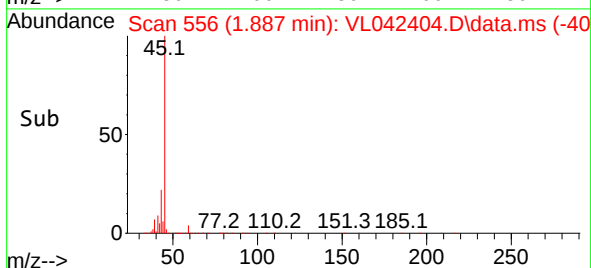
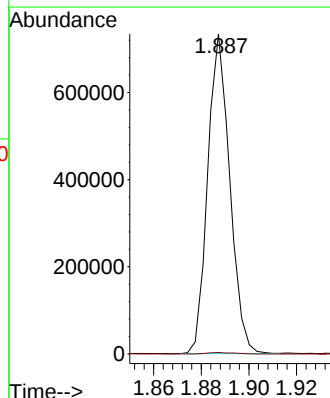
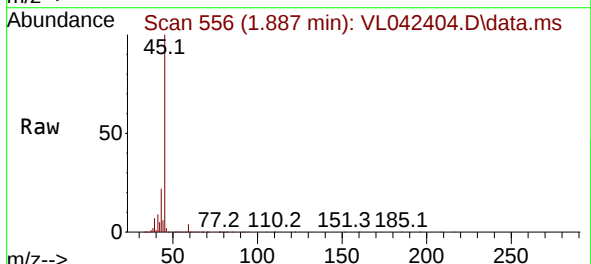
Acq: 21 Apr 2025 14:44

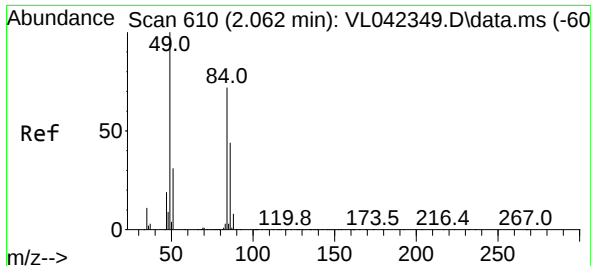
Tgt Ion: 45 Resp: 471563

Ion Ratio Lower Upper

45 100

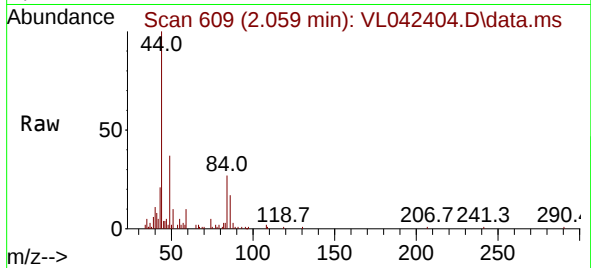
58 4.3 34.5 51.7





#20
Methylene Chloride
Concen: 0.252 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

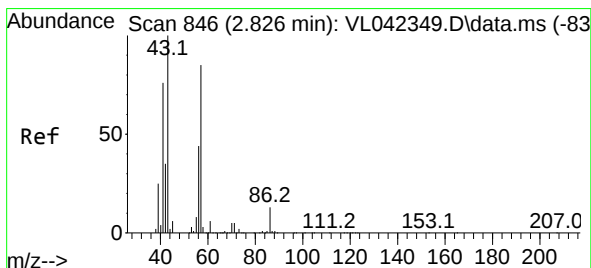
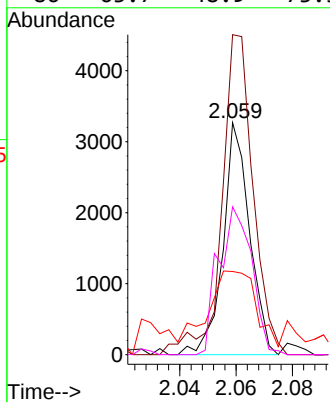
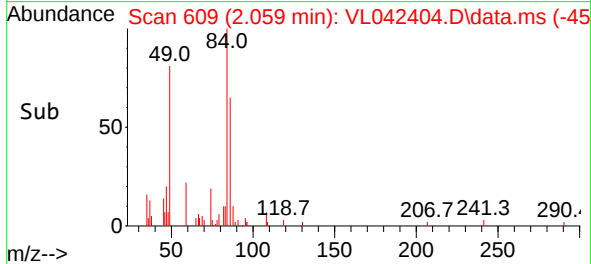
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



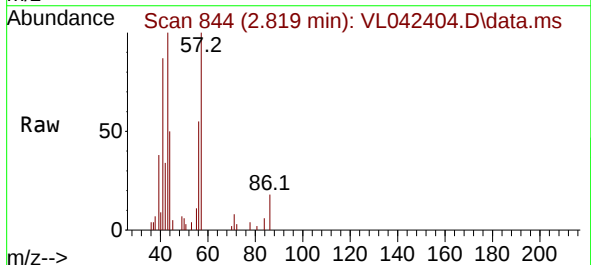
Tgt Ion: 84 Resp: 2138
Ion Ratio Lower Upper
84 100
49 133.3 111.6 167.4
51 32.4 35.1 52.7
86 63.7 48.9 73.3

Manual Integrations
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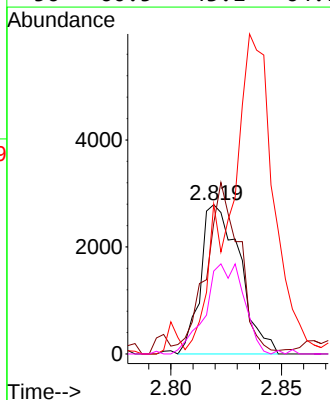
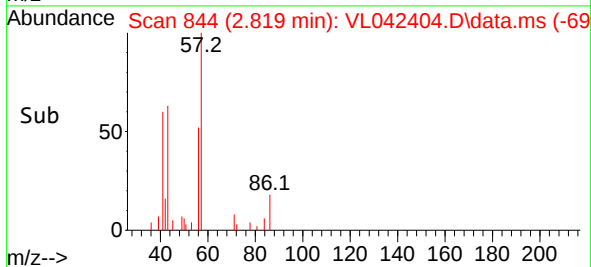
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

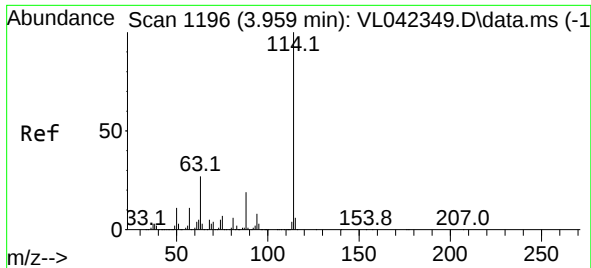


#26
Hexane
Concen: 0.159 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44



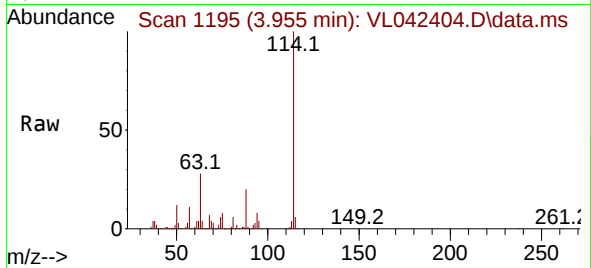
Tgt Ion: 57 Resp: 3436
Ion Ratio Lower Upper
57 100
41 108.4 77.9 116.9
43 250.6 208.4 312.6
56 60.5 43.1 64.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

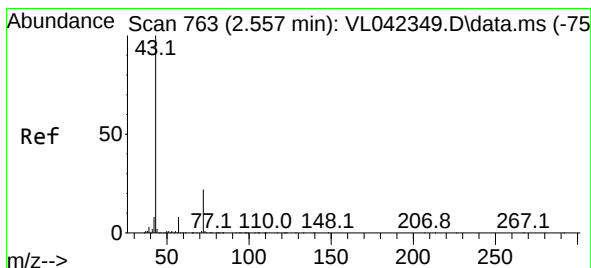
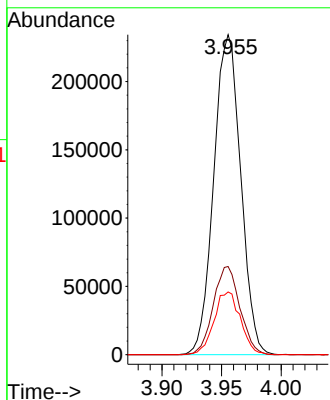
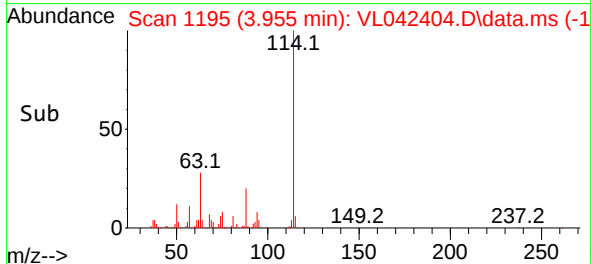
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:114 Resp: 368774
Ion Ratio Lower Upper
114 100
63 27.3 21.8 32.6
88 19.2 15.5 23.3

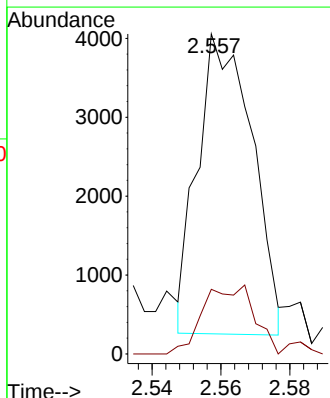
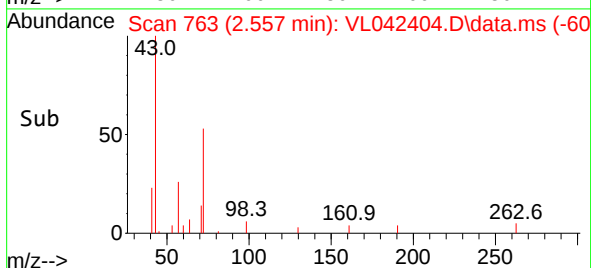
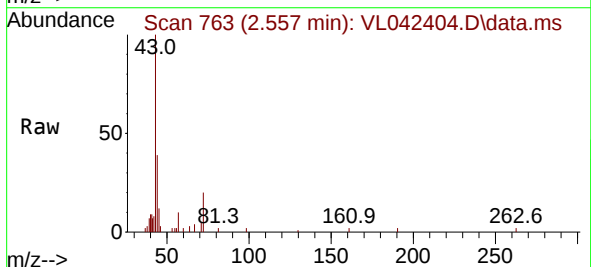
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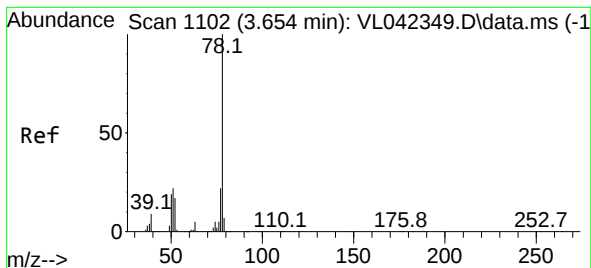
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#34
2-Butanone
Concen: 0.143 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 43 Resp: 4166
Ion Ratio Lower Upper
43 100
72 23.0 18.2 27.2





#36

Benzene

Concen: 2.514 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

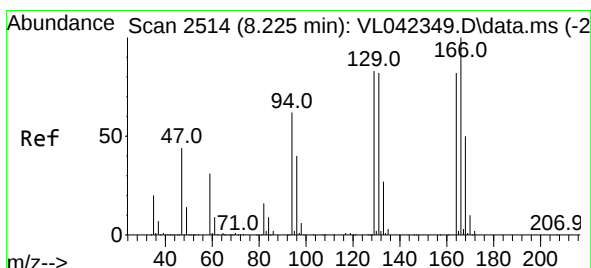
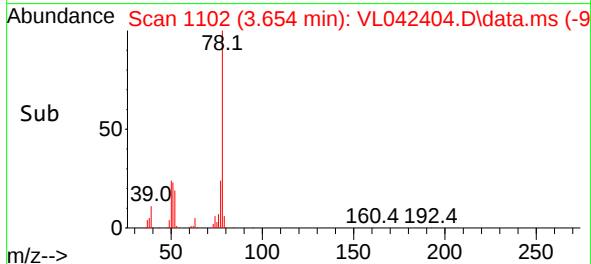
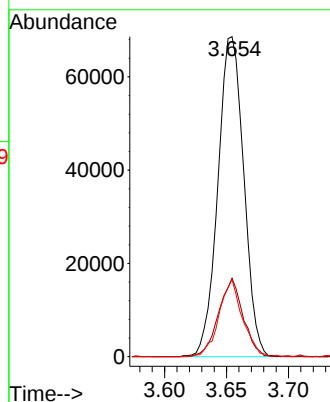
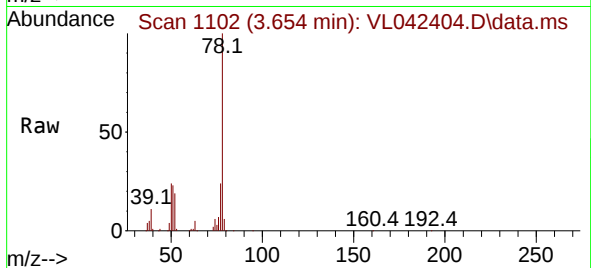
Tgt Ion: 78 Resp: 10000

Ion	Ratio	Lower	Upper
78	100		
77	24.5	17.4	26.0
50	24.1	15.5	23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#52

Tetrachloroethene

Concen: 3.824 ppbv

RT: 8.218 min Scan# 2512

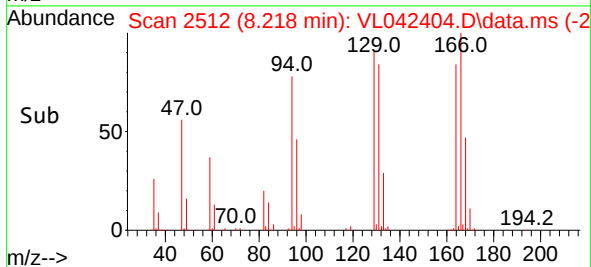
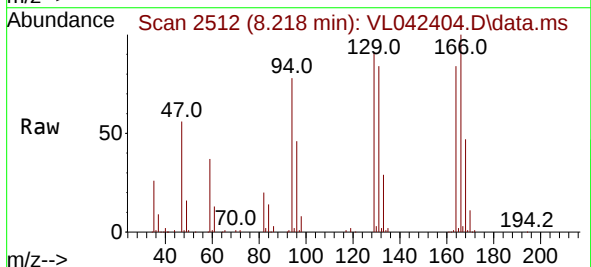
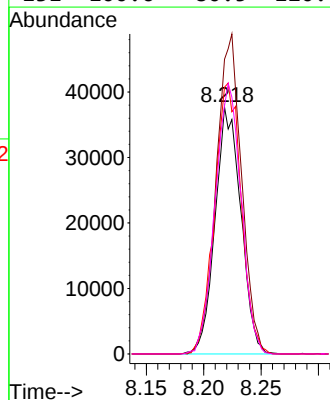
Delta R.T. -0.006 min

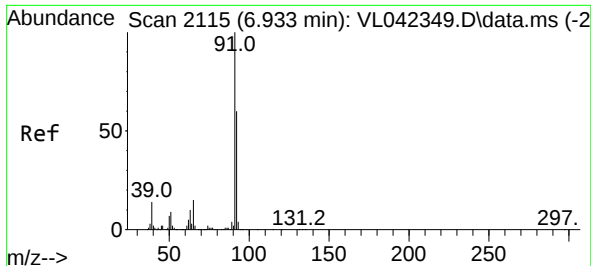
Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Tgt Ion:164 Resp: 58798

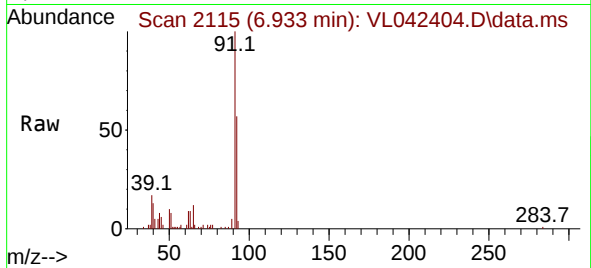
Ion	Ratio	Lower	Upper
164	100		
166	119.4	98.2	147.2
129	108.1	81.8	122.8
131	100.6	80.5	120.7





#53
Toluene
Concen: 0.376 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

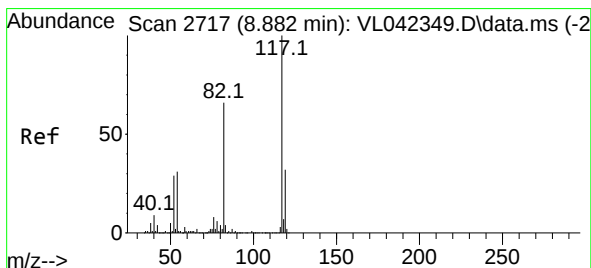
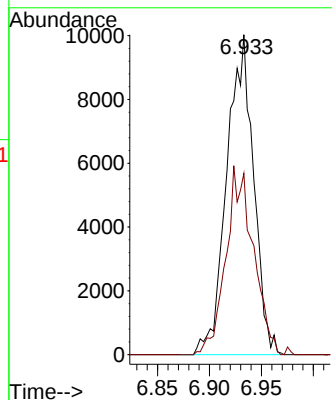
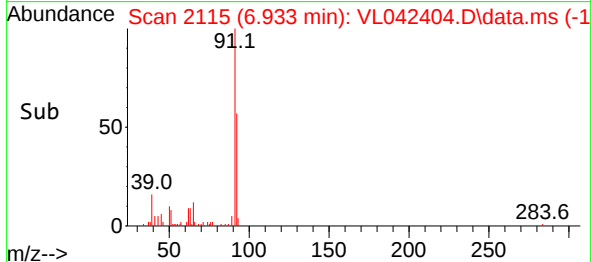
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 91 Resp: 17958
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.4

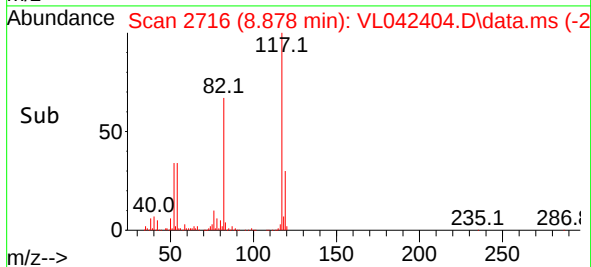
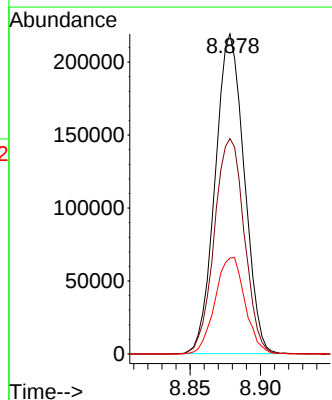
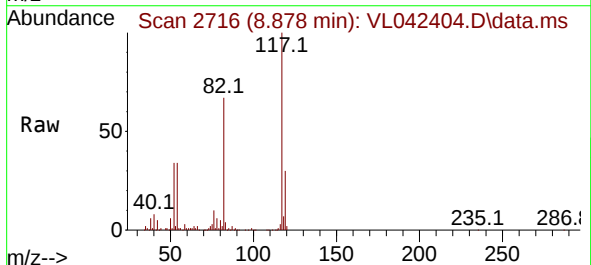
Manual Integrations
APPROVED

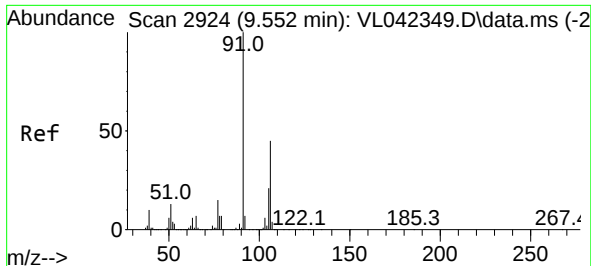
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042404.D
Acq: 21 Apr 2025 14:44

Tgt Ion:117 Resp: 315151
Ion Ratio Lower Upper
117 100
82 69.6 57.8 86.6
119 31.2 25.2 37.8





#59

m/p-Xylene

Concen: 0.153 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. -0.023 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 91 Resp: 769

Ion Ratio Lower Upper

91 100

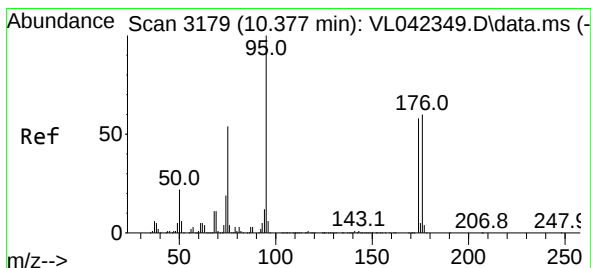
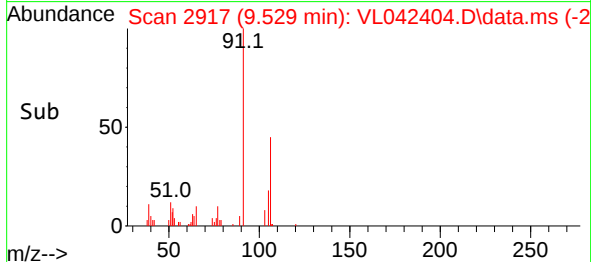
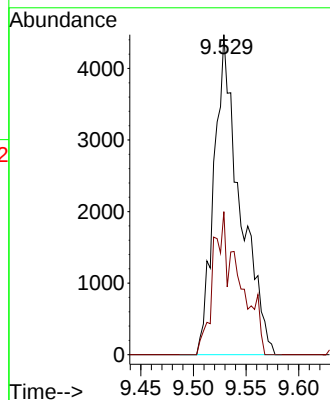
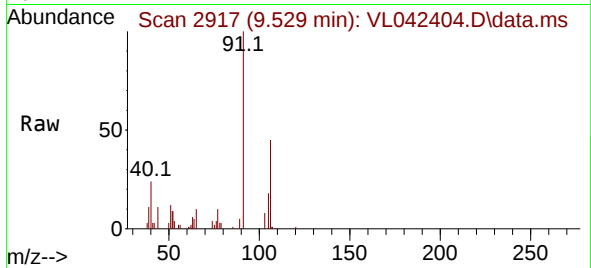
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.181 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Tgt Ion: 95 Resp: 263653

Ion Ratio Lower Upper

95 100

174 55.0 48.5 72.7

175 4.2 3.7 5.5

