

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040767.D
 Acq On : 11 Oct 2023 22:28
 Operator : SY/MD
 Sample : 04827-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 12 00:29:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	890640	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2503660	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2313517	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1701612	9.996	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.764	85	88758	0.566	ppbv	96
3) Chlorodifluoromethane	2.710	51	74856m	0.572	ppbv	
4) Chloromethane	2.851	50	24493	0.474	ppbv	98
9) Propene	2.738	41	63143m	1.299	ppbv	
10) Heptane	7.594	43	24129m	0.198	ppbv	
11) Trichlorofluoromethane	3.591	101	31904	0.264	ppbv	92
13) Ethanol	3.269	45	787967	71.800	ppbv	98
15) Acetone	3.494	43	541987	5.886	ppbv	99
19) Isopropyl Alcohol	3.610	45	190873	3.220	ppbv #	39
20) Methylene Chloride	3.960	84	444189	11.582	ppbv	97
26) Hexane	5.230	57	435411	4.722	ppbv #	43
34) 2-Butanone	4.809	43	41760	0.368	ppbv #	88
35) Carbon Tetrachloride	6.510	117	11373	0.081	ppbv #	65
36) Benzene	6.381	78	54251	0.282	ppbv	99
38) Trichloroethene	7.298	130	4088m	0.048	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	36086m	0.111	ppbv	
52) Tetrachloroethene	10.616	164	10288m	0.132	ppbv	
53) Toluene	9.227	91	206900	0.903	ppbv	94
59) m/p-Xylene	12.352	91	60984m	0.254	ppbv	
60) o-Xylene	13.060	91	24401m	0.107	ppbv	
61) Styrene	12.902	104	31670	0.250	ppbv	91

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

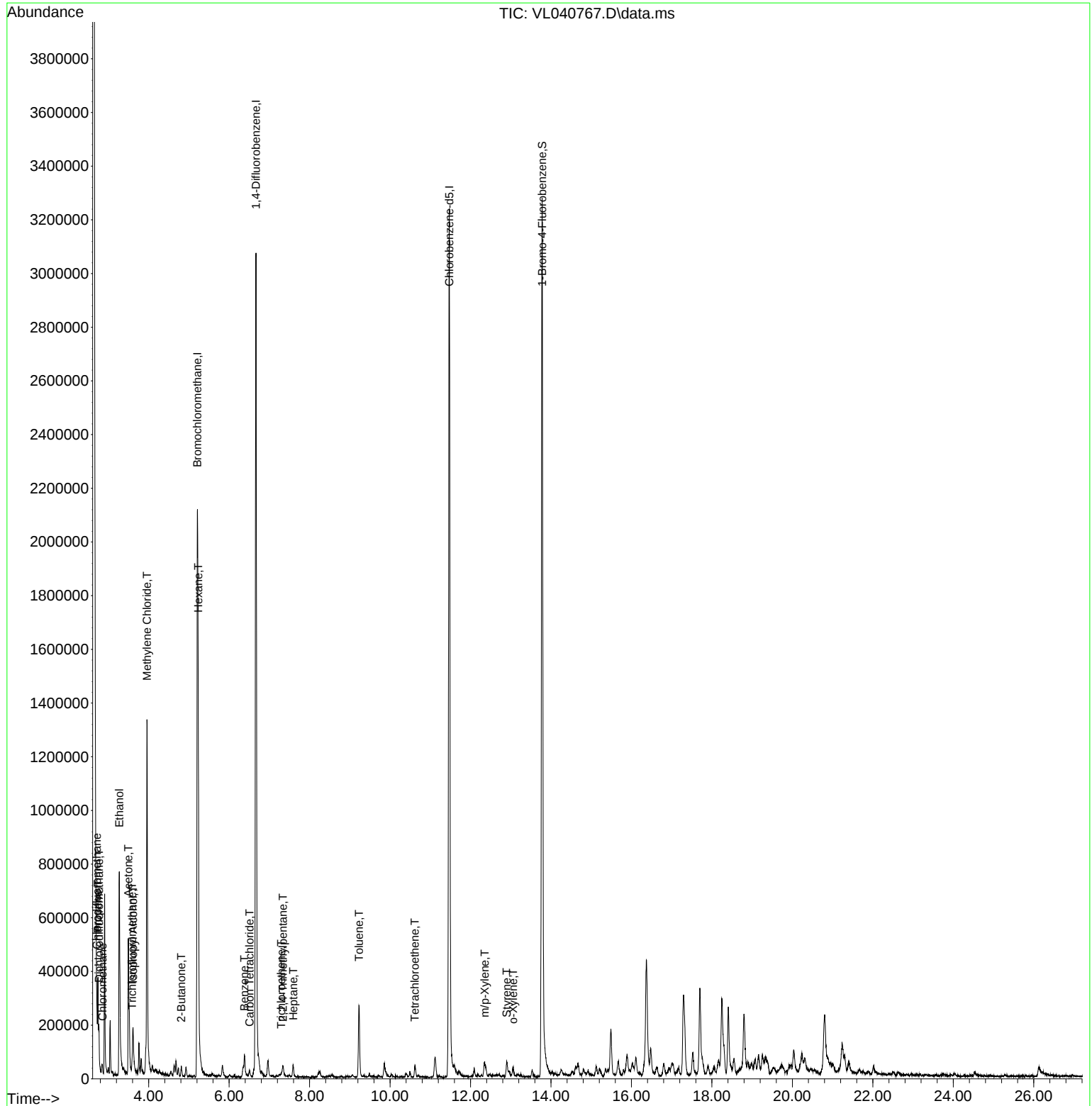
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
Data File : VL040767.D
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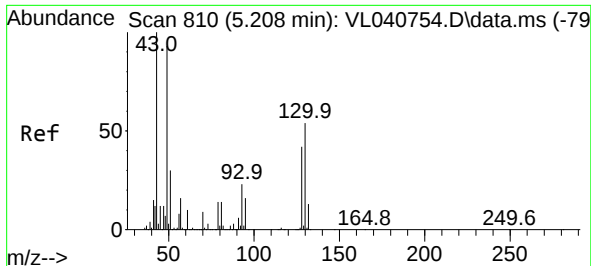
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Oct 12 00:29:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

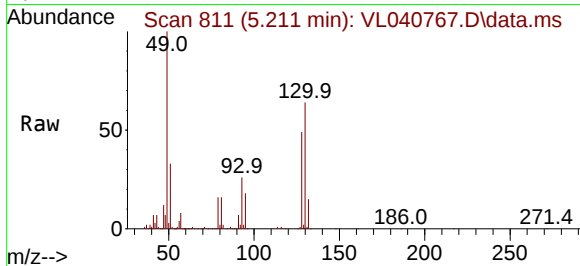
Reviewed By : Semsettin Yesilyurt 10/12/2023
Supervised By : Mahesh Dadoda 10/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

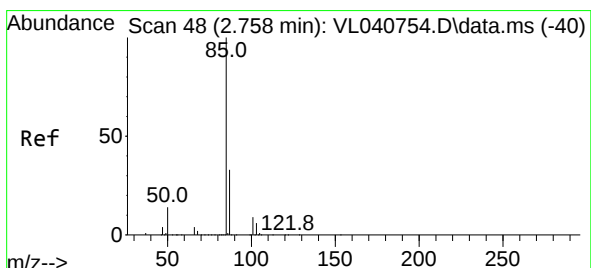
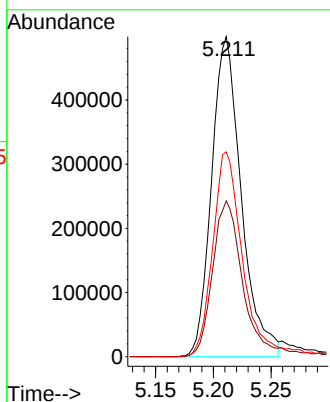
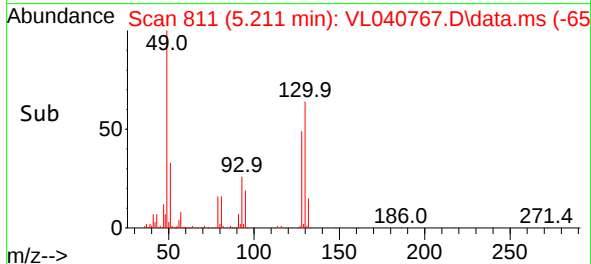
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 890640
Ion Ratio Lower Upper
49 100
128 51.9 23.9 71.7
130 65.9 30.7 92.1

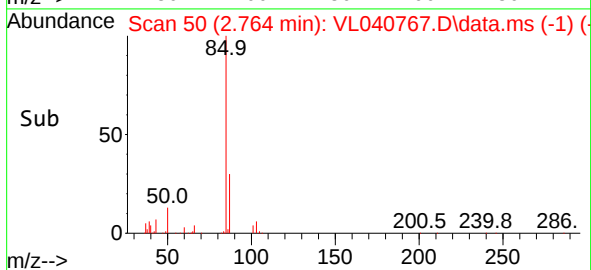
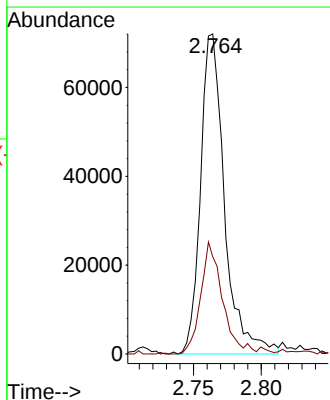
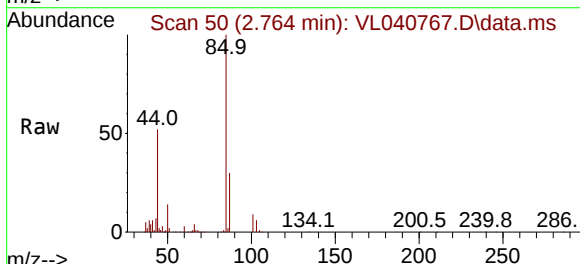
Manual Integrations
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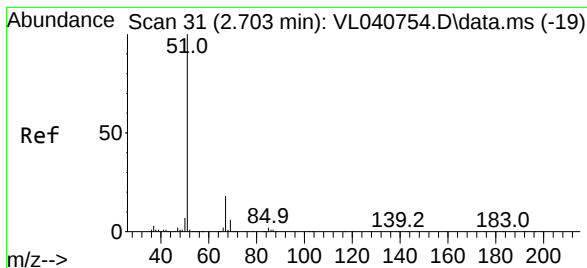
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#2
Dichlorodifluoromethane
Concen: 0.566 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

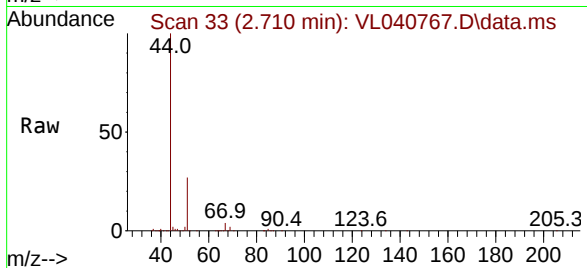
Tgt Ion: 85 Resp: 88758
Ion Ratio Lower Upper
85 100
87 30.4 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.572 ppbv m
RT: 2.710 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

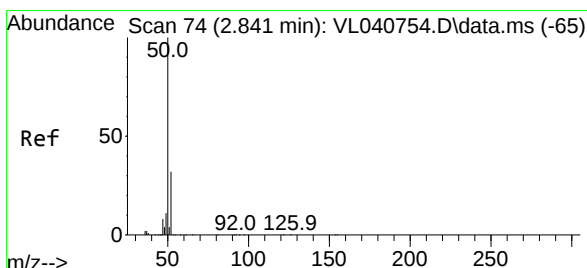
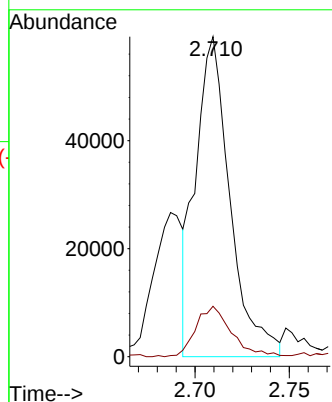
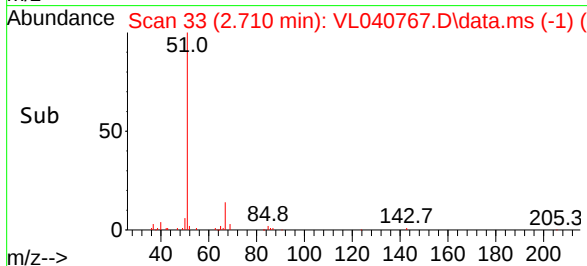
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



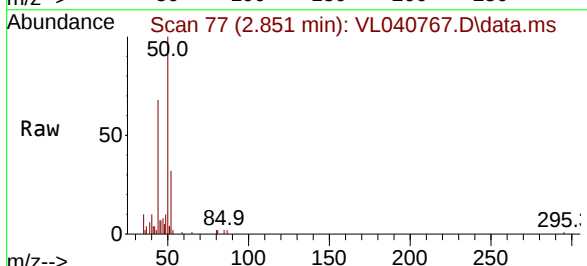
Tgt Ion: 51 Resp: 74850
Ion Ratio Lower Upper
51 100
67 17.1 13.8 20.6

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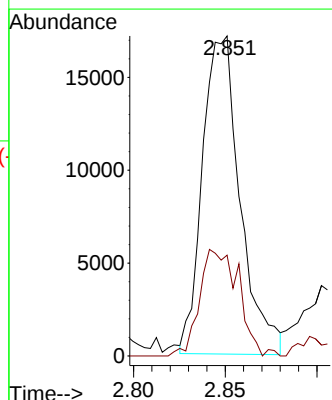
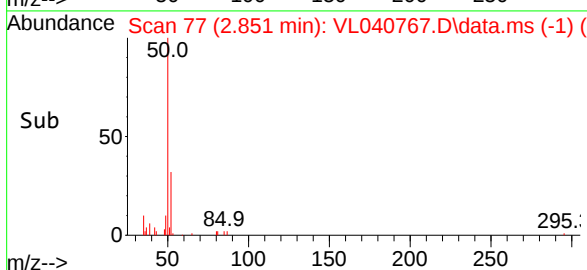
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

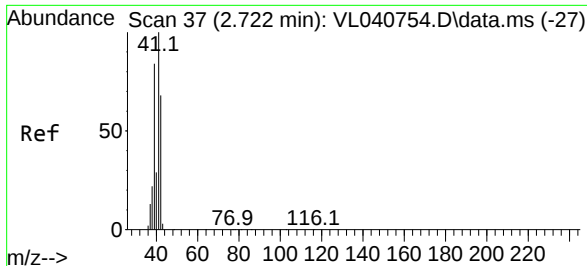


#4
Chloromethane
Concen: 0.474 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.010 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28



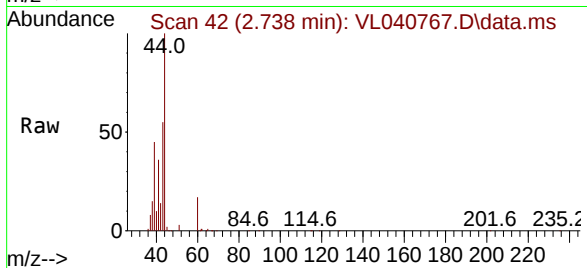
Tgt Ion: 50 Resp: 24493
Ion Ratio Lower Upper
50 100
52 32.6 25.3 37.9





#9
Propene
Concen: 1.299 ppbv m
RT: 2.738 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

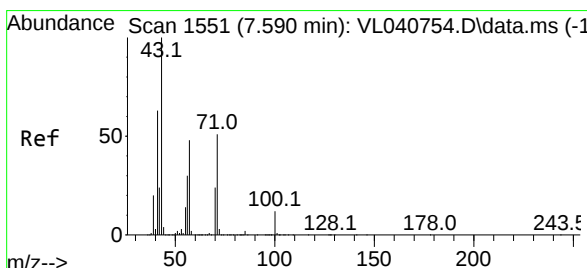
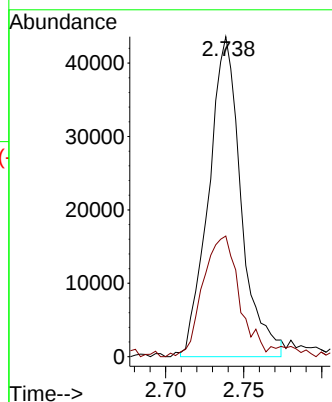
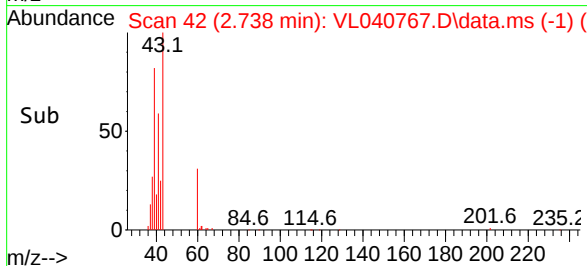
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



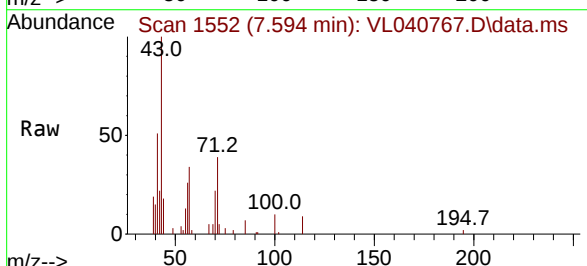
Tgt Ion: 41 Resp: 6314
Ion Ratio Lower Upper
41 100
42 190.0 57.1 85.7

Manual Integrations
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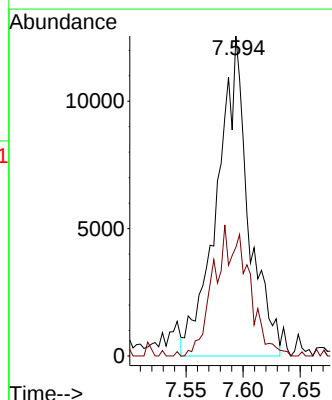
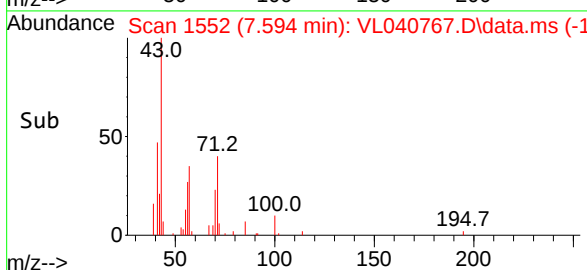
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

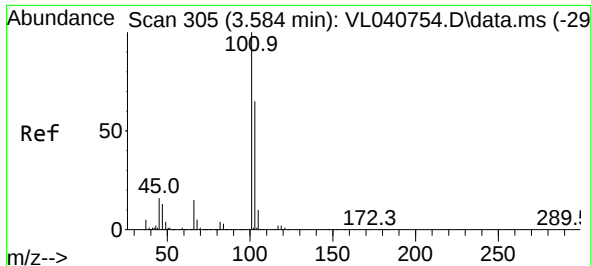


#10
Heptane
Concen: 0.198 ppbv m
RT: 7.594 min Scan# 1552
Delta R.T. 0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28



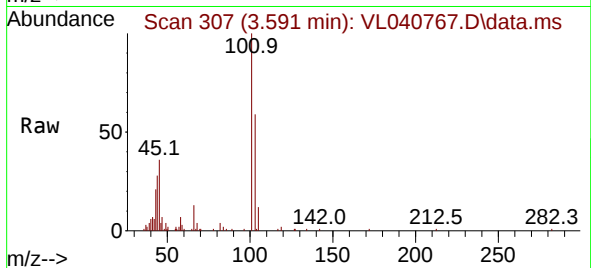
Tgt Ion: 43 Resp: 24129
Ion Ratio Lower Upper
43 100
57 0.0 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.264 ppbv
RT: 3.591 min Scan# 305
Delta R.T. 0.006 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

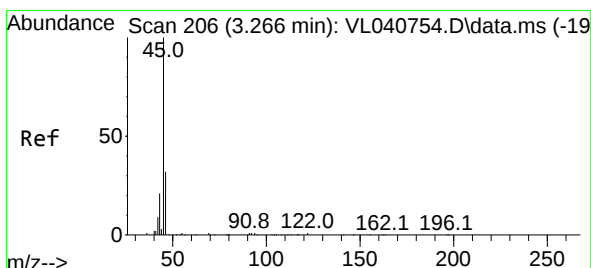
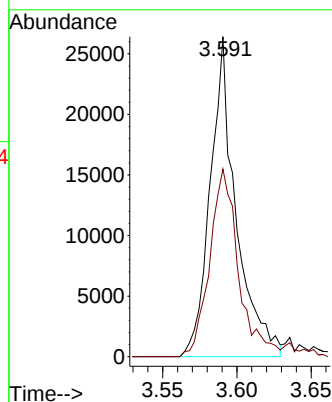
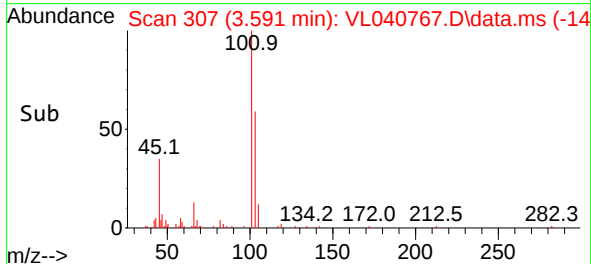
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:101 Resp: 31904
Ion Ratio Lower Upper
101 100
103 58.7 52.2 78.2

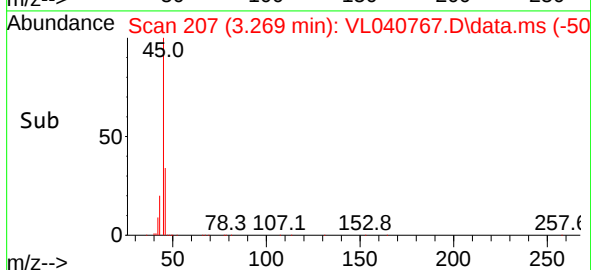
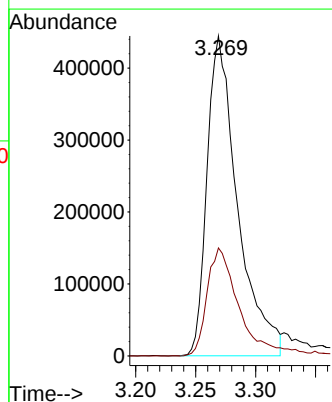
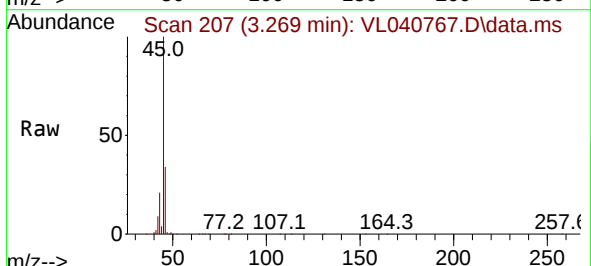
Manual Integrations
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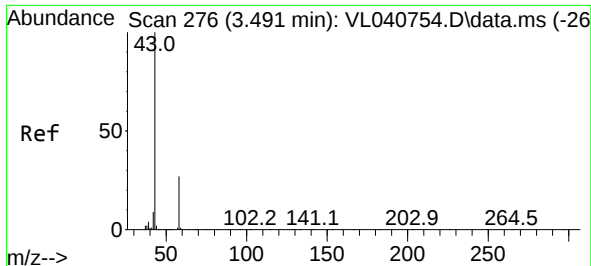
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#13
Ethanol
Concen: 71.800 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

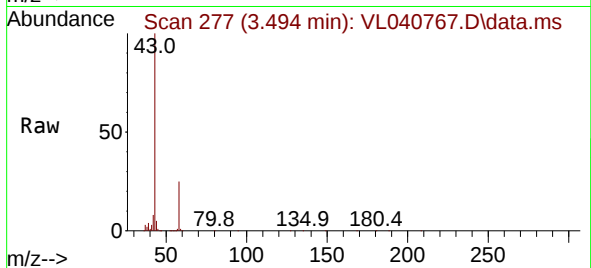
Tgt Ion: 45 Resp: 787967
Ion Ratio Lower Upper
45 100
46 37.5 14.6 58.2





#15
Acetone
Concen: 5.886 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

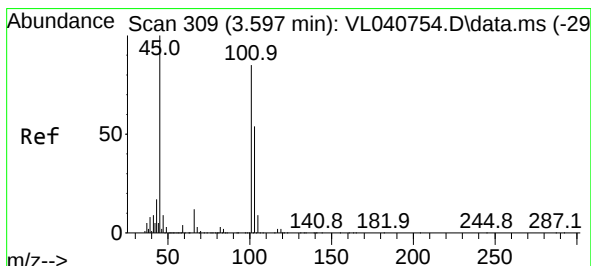
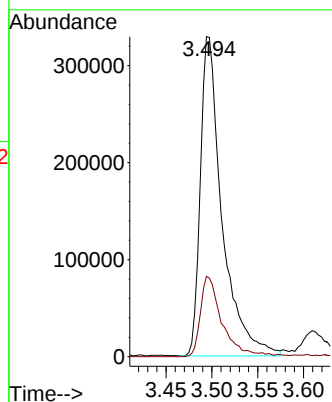
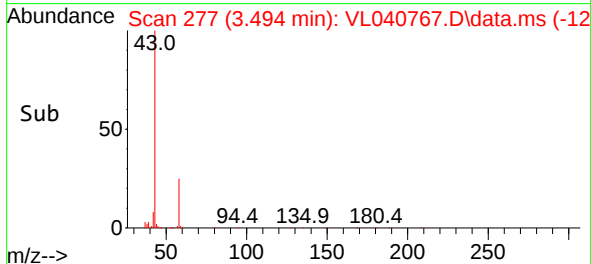
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 54198
Ion Ratio Lower Upper
43 100
58 26.3 21.6 32.4

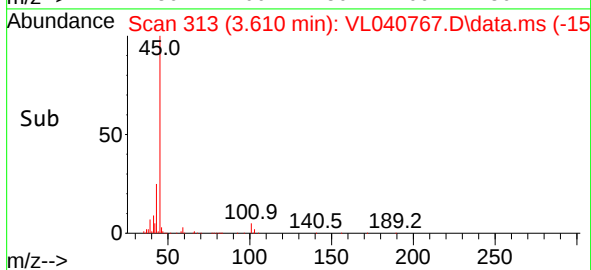
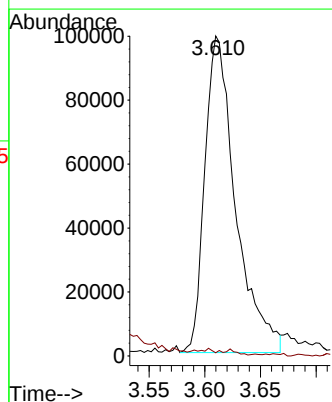
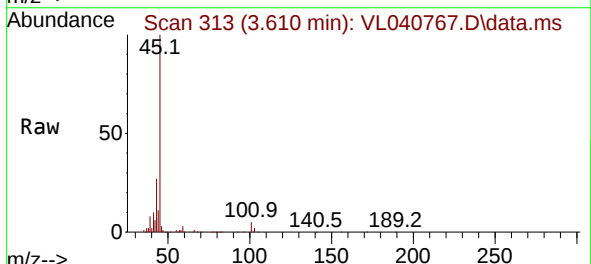
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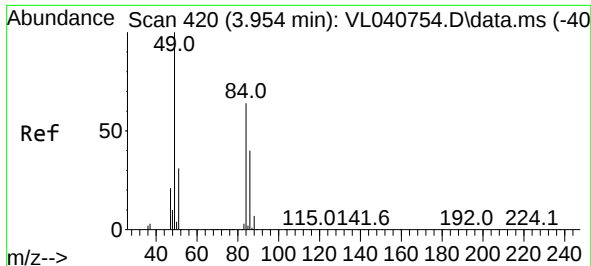
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#19
Isopropyl Alcohol
Concen: 3.220 ppbv
RT: 3.610 min Scan# 313
Delta R.T. 0.013 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

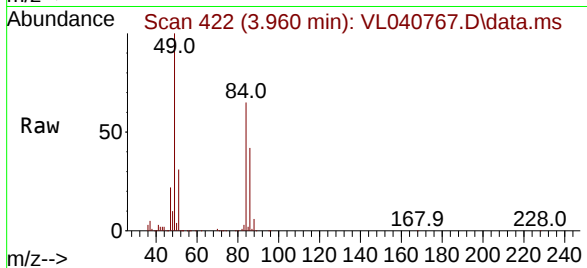
Tgt Ion: 45 Resp: 190873
Ion Ratio Lower Upper
45 100
58 74.6 30.3 45.5#





#20
Methylene Chloride
Concen: 11.582 ppbv
RT: 3.960 min Scan# 418
Delta R.T. 0.006 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

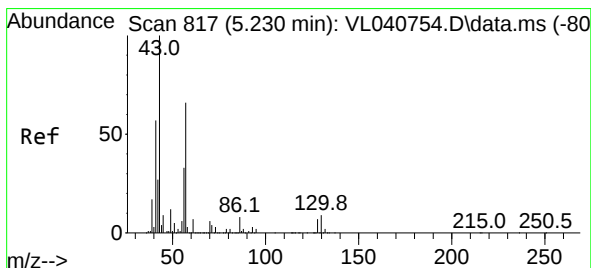
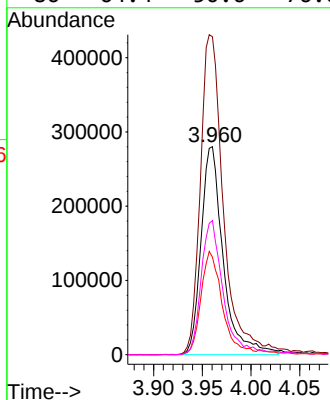
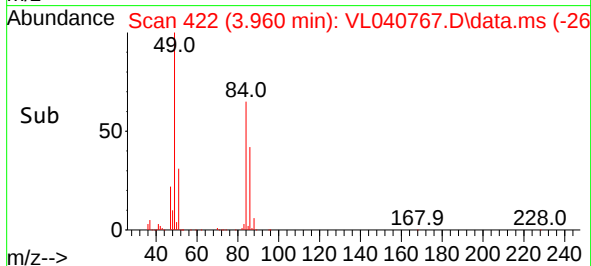
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 84 Resp: 444189
Ion Ratio Lower Upper
84 100
49 152.7 125.6 188.4
51 46.8 38.9 58.3
86 64.4 50.6 76.0

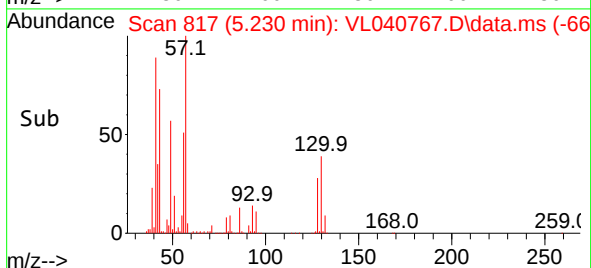
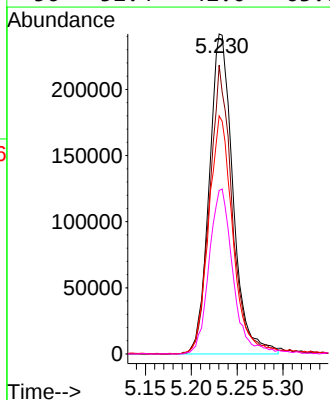
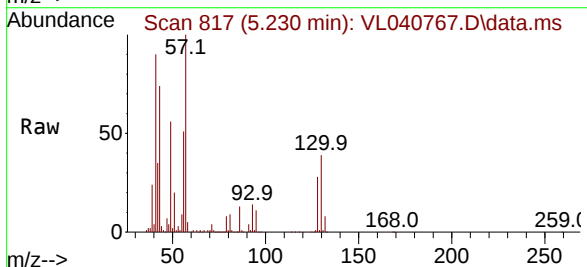
Manual Integrations
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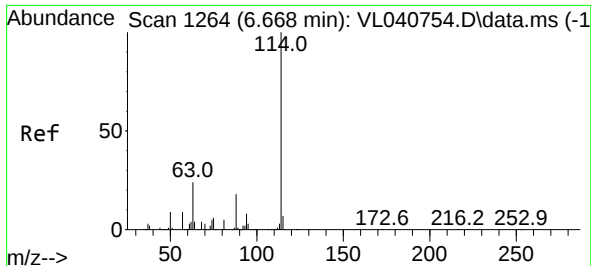
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#26
Hexane
Concen: 4.722 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

Tgt Ion: 57 Resp: 435411
Ion Ratio Lower Upper
57 100
41 87.4 71.4 107.2
43 76.7 182.3 273.5#
56 52.4 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040767.D

Acq: 11 Oct 2023 22:28

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion:114 Resp: 250366

Ion Ratio Lower Upper

114 100

63 23.7 19.8 29.6

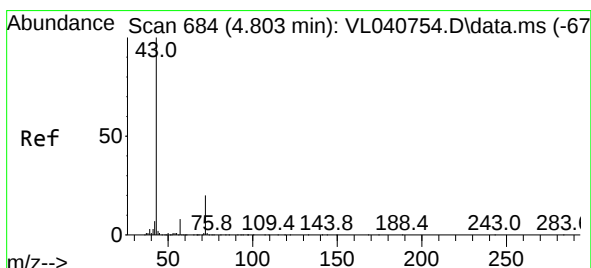
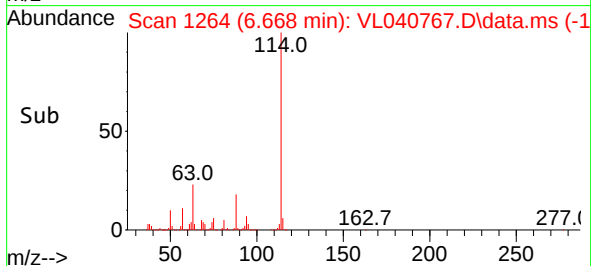
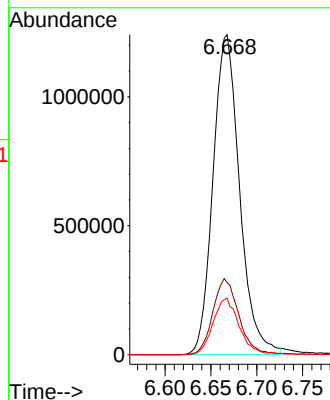
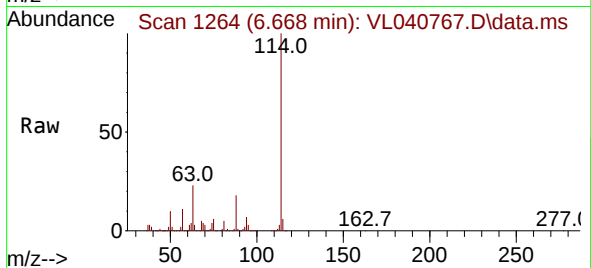
88 17.5 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#34

2-Butanone

Concen: 0.368 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.006 min

Lab File: VL040767.D

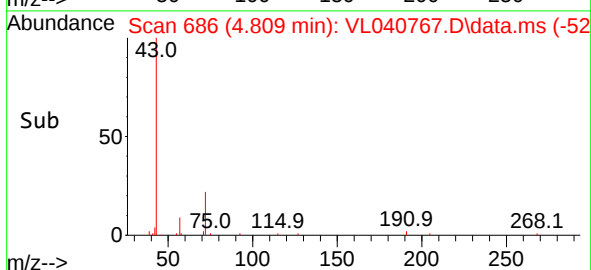
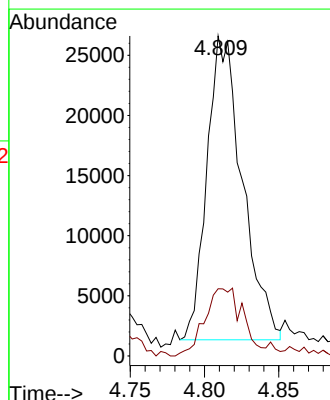
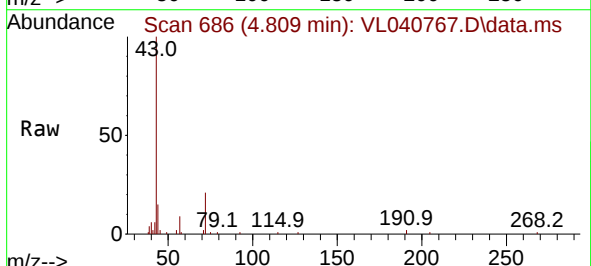
Acq: 11 Oct 2023 22:28

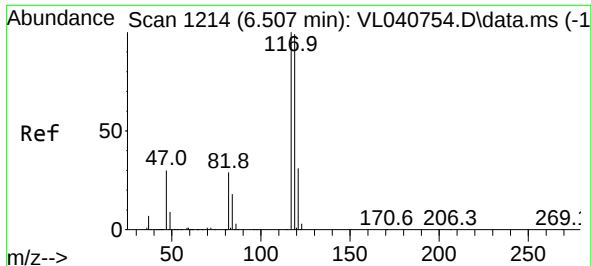
Tgt Ion: 43 Resp: 41760

Ion Ratio Lower Upper

43 100

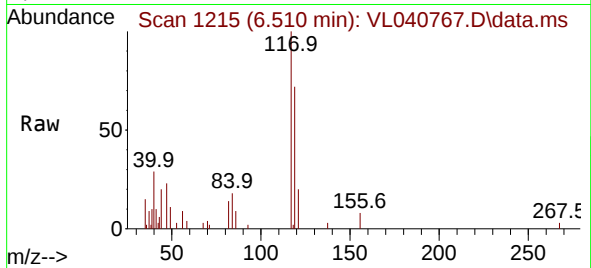
72 26.4 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.081 ppbv
RT: 6.510 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

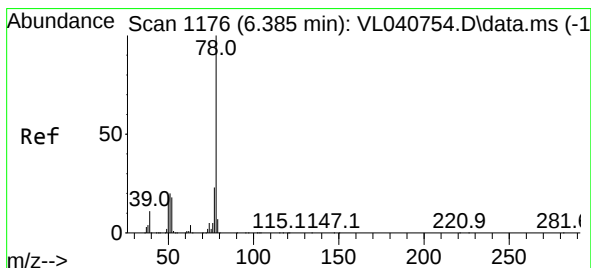
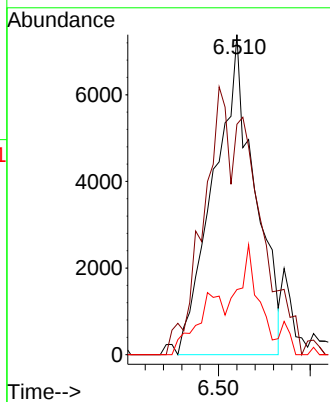
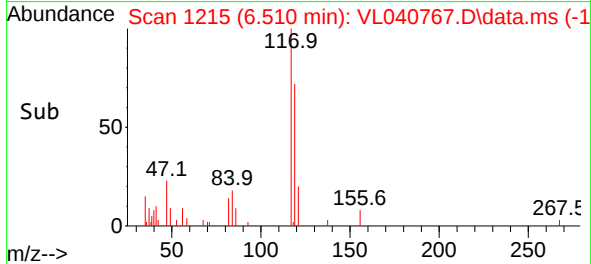
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



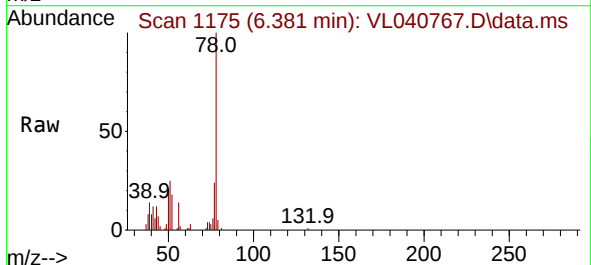
Tgt Ion: 117 Resp: 1137
Ion Ratio Lower Upper
117 100
119 62.2 79.4 119.0
121 15.6 25.0 37.4

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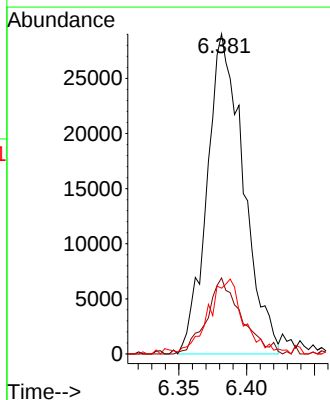
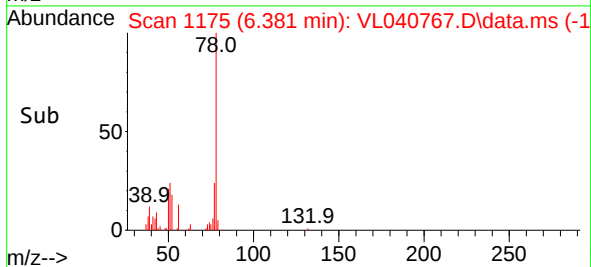
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

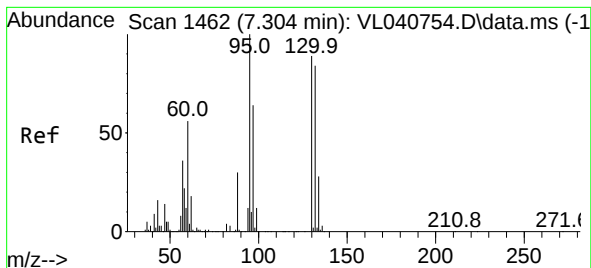


#36
Benzene
Concen: 0.282 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28



Tgt Ion: 78 Resp: 54251
Ion Ratio Lower Upper
78 100
77 23.2 18.4 27.6
50 19.9 15.0 22.4





#38

Trichloroethene

Concen: 0.048 ppbv m

RT: 7.298 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VL040767.D

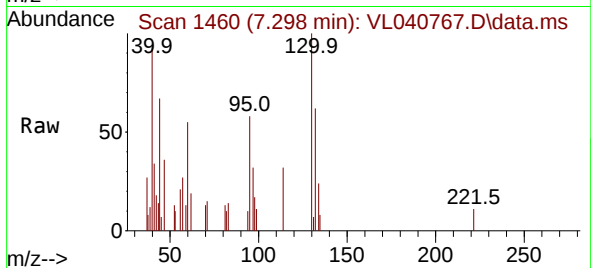
Acq: 11 Oct 2023 22:28

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP



Tgt Ion:130 Resp: 4088

Ion Ratio Lower Upper

130 100

95 57.8 89.4 134.2

132 62.3 74.8 112.2

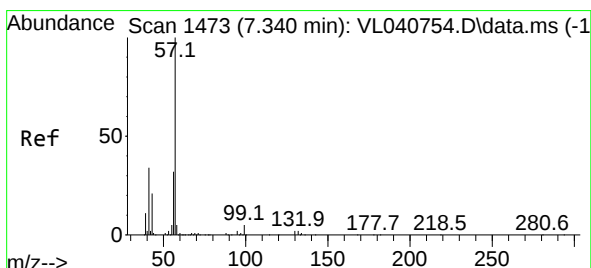
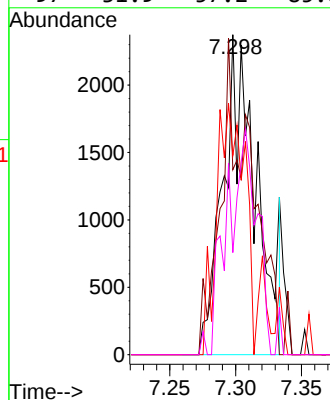
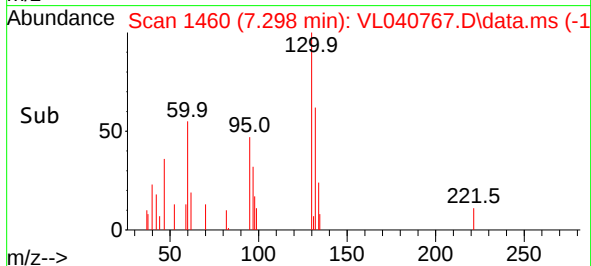
97 31.9 57.2 85.8

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APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#44

2,2,4-Trimethylpentane

Concen: 0.111 ppbv m

RT: 7.336 min Scan# 1472

Delta R.T. -0.003 min

Lab File: VL040767.D

Acq: 11 Oct 2023 22:28

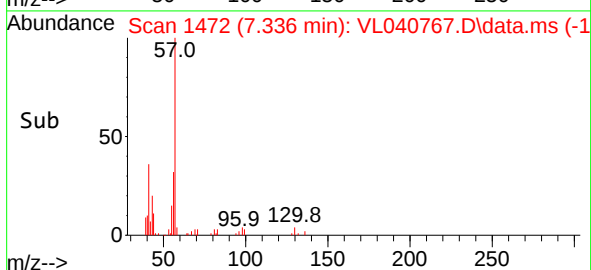
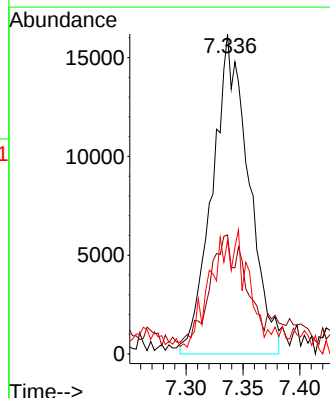
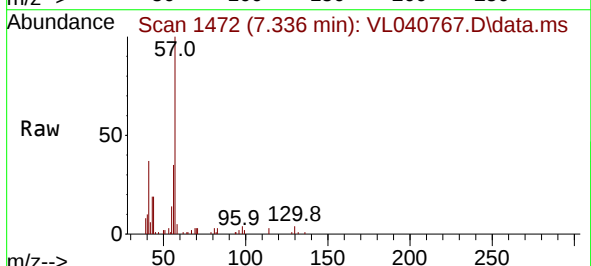
Tgt Ion: 57 Resp: 36086

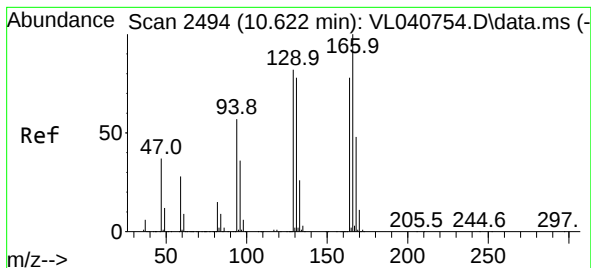
Ion Ratio Lower Upper

57 100

41 0.0 27.4 41.0#

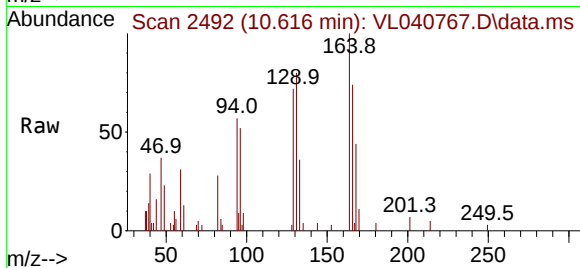
56 0.0 25.0 37.6#





#52
Tetrachloroethene
Concen: 0.132 ppbv m
RT: 10.616 min Scan# 2494
Delta R.T. -0.006 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

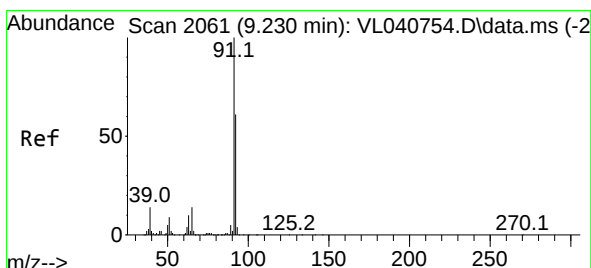
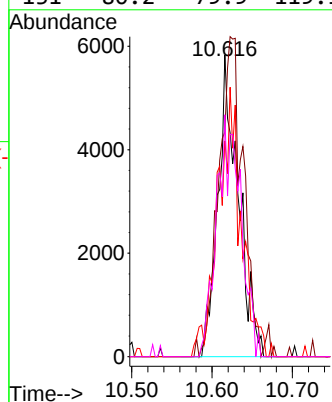
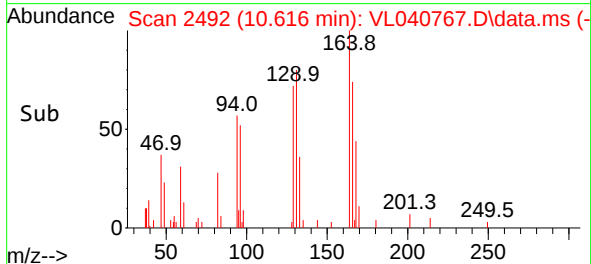
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:164 Resp: 10288
Ion Ratio Lower Upper
164 100
166 74.5 102.4 153.6
129 71.6 84.2 126.4
131 80.2 79.9 119.9

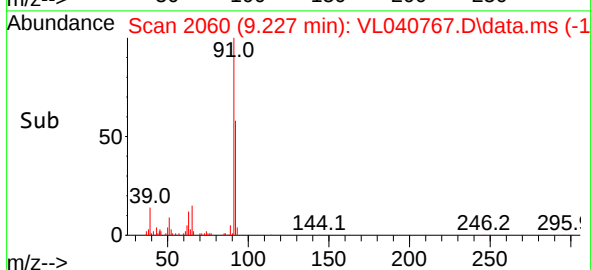
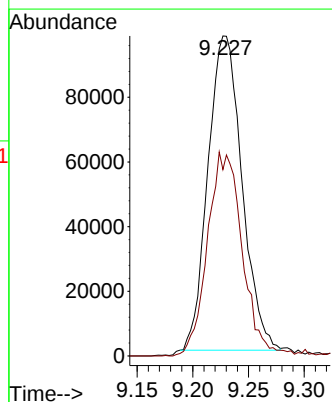
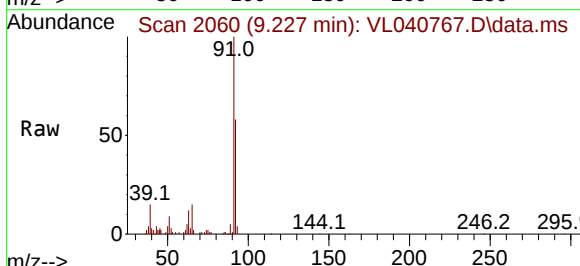
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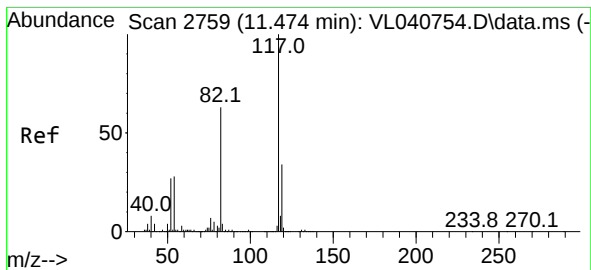
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#53
Toluene
Concen: 0.903 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

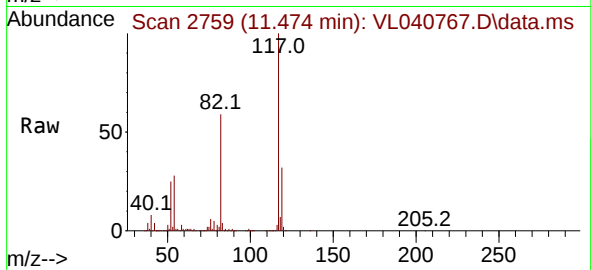
Tgt Ion: 91 Resp: 206900
Ion Ratio Lower Upper
91 100
92 67.0 50.2 75.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

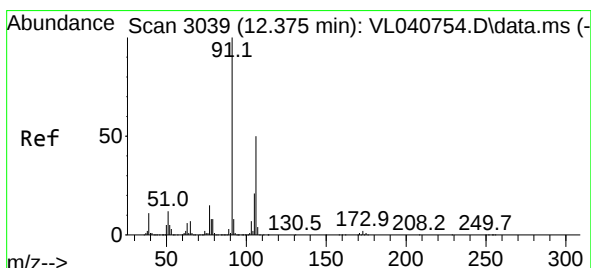
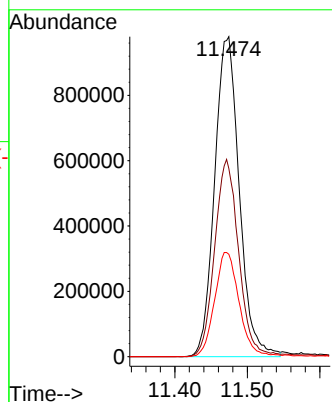
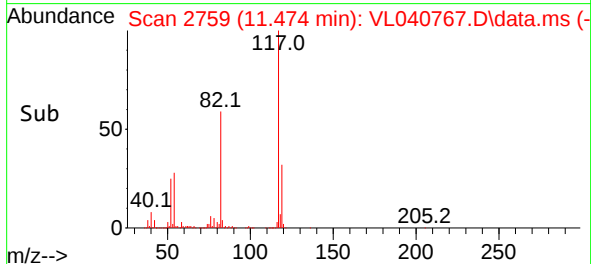
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 117 Resp: 231351
Ion Ratio Lower Upper
117 100
82 61.6 46.6 70.0
119 32.7 26.0 39.0

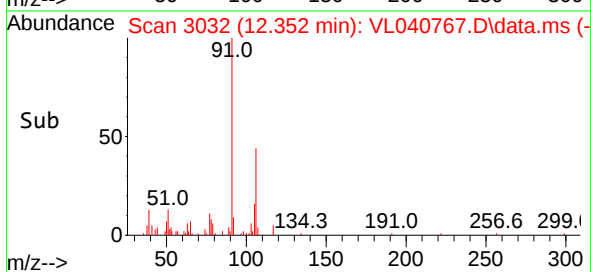
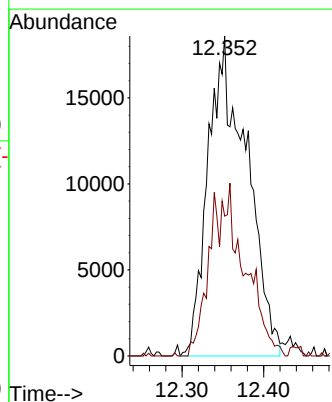
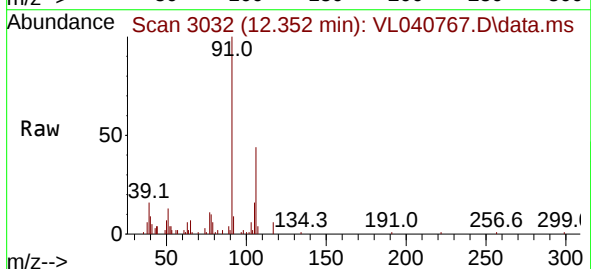
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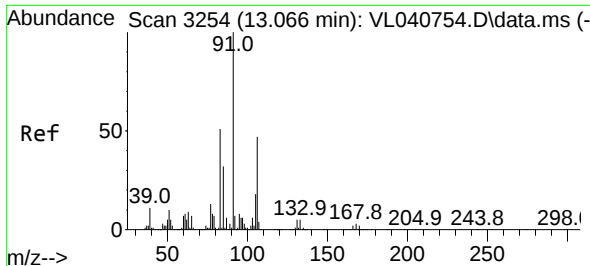
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#59
m/p-Xylene
Concen: 0.254 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. -0.022 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

Tgt Ion: 91 Resp: 60984
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5#





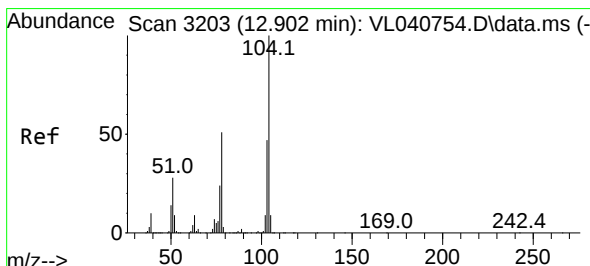
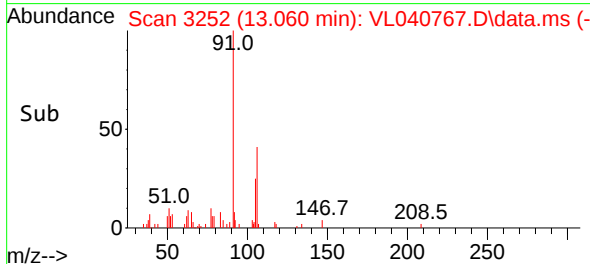
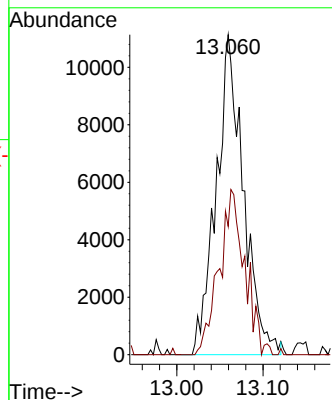
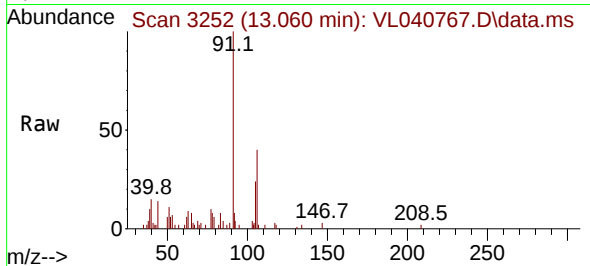
#60
o-Xylene
Concen: 0.107 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 2440
Ion Ratio Lower Upper
91 100
106 48.8 23.5 70.5

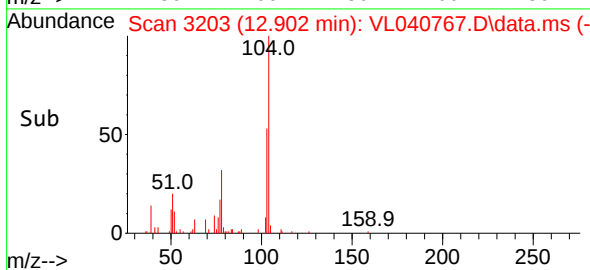
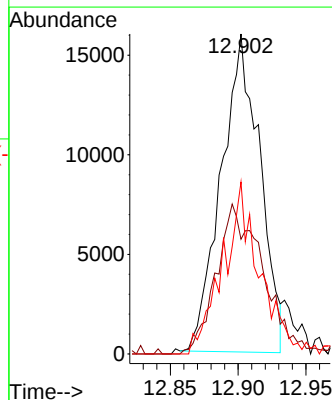
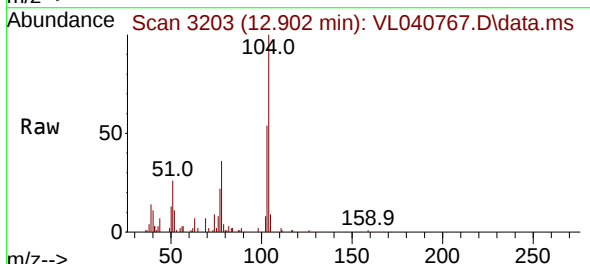
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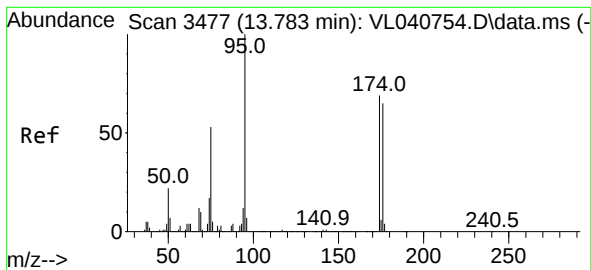
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#61
Styrene
Concen: 0.250 ppbv
RT: 12.902 min Scan# 3203
Delta R.T. 0.000 min
Lab File: VL040767.D
Acq: 11 Oct 2023 22:28

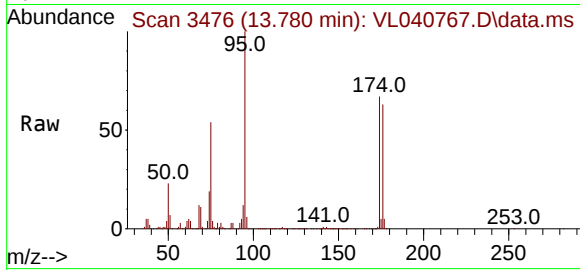
Tgt Ion:104 Resp: 31670
Ion Ratio Lower Upper
104 100
78 56.7 39.8 59.6
103 52.7 37.5 56.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.996 ppbv
 RT: 13.780 min Scan# 3476
 Delta R.T. -0.003 min
 Lab File: VL040767.D
 Acq: 11 Oct 2023 22:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 95 Resp: 170161
 Ion Ratio Lower Upper
 95 100
 174 68.9 54.7 82.1
 175 5.1 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

