

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
 Data File : VL041823.D
 Acq On : 19 Dec 2024 16:34
 Operator : SY/MD
 Sample : P5296-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 01:45:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	79340	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	176938	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	171967	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	140400	9.797	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	1595	0.113	ppbv	90
9) Propene	1.483	41	1344m	0.240	ppbv	
13) Ethanol	1.722	45	8825	19.004	ppbv #	34
15) Acetone	1.835	43	11754	0.761	ppbv	98
19) Isopropyl Alcohol	1.887	45	6216	0.671	ppbv #	41
20) Methylene Chloride	2.065	84	994	0.226	ppbv #	91
34) 2-Butanone	2.564	43	3011	0.212	ppbv	97
52) Tetrachloroethene	8.221	164	469m	0.069	ppbv	
53) Toluene	6.936	91	17581m	0.847	ppbv	
58) Ethyl Benzene	9.351	91	4756	0.154	ppbv #	89
59) m/p-Xylene	9.529	91	12716m	0.511	ppbv	
60) o-Xylene	9.963	91	5184	0.208	ppbv	100
61) Styrene	9.862	104	1668	0.155	ppbv	92

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

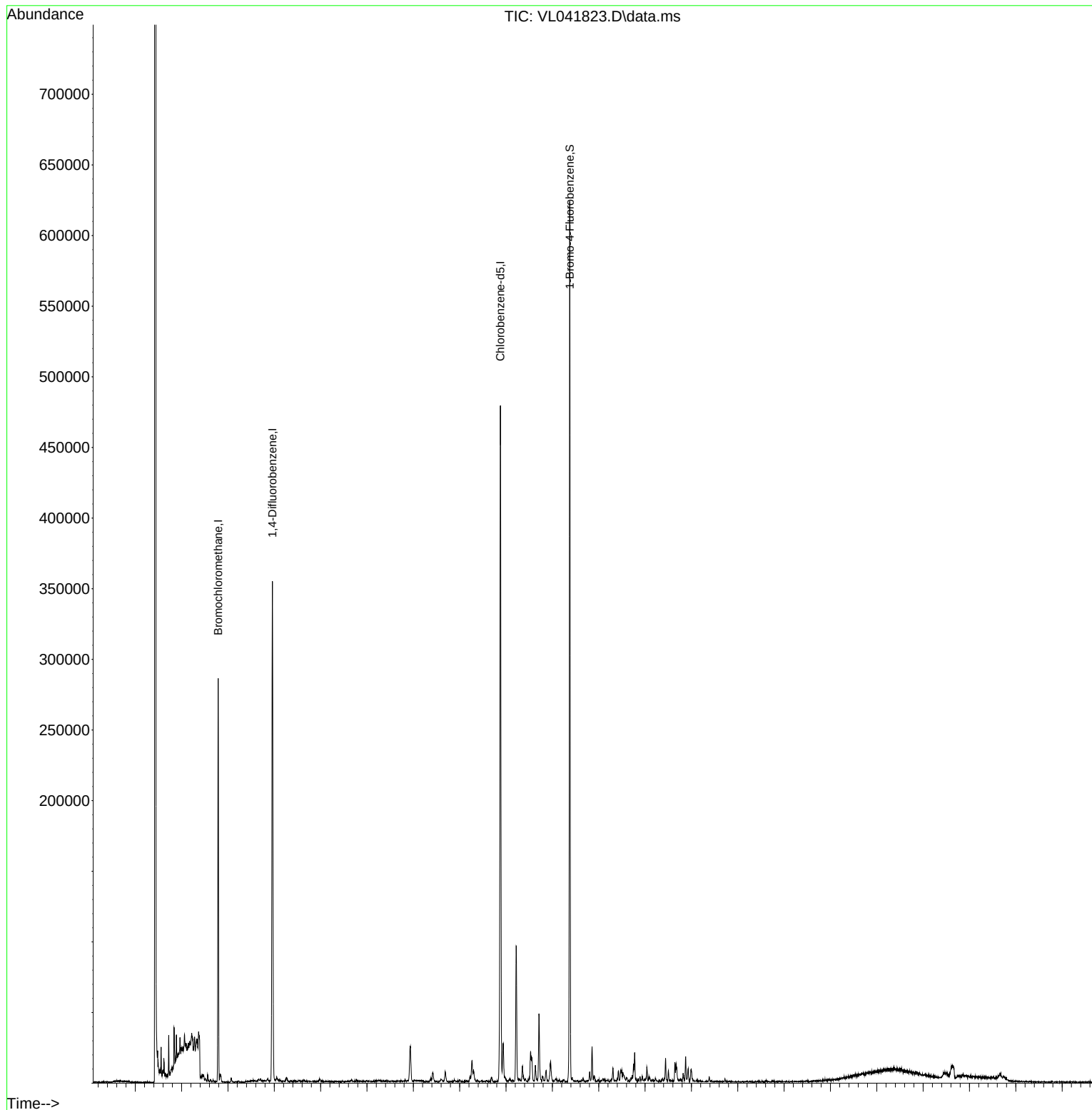
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
Data File : VL041823.D
Acq On : 19 Dec 2024 16:34
Operator : SY/MD
Sample : P5296-03 4X
Misc : 400mL/MSVOA_L
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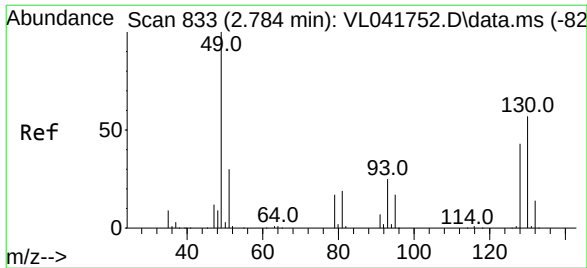
Instrument :
MSVOA_L
ClientSampleId :
C0AC4

Quant Time: Dec 20 01:45:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 12/20/2024





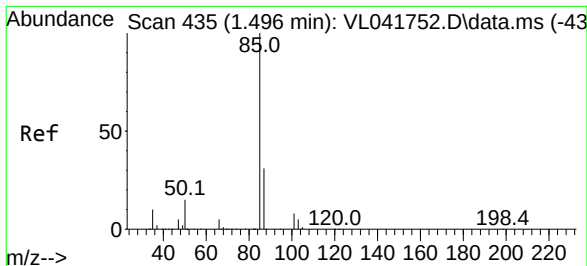
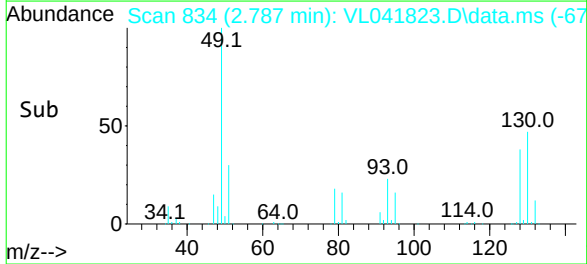
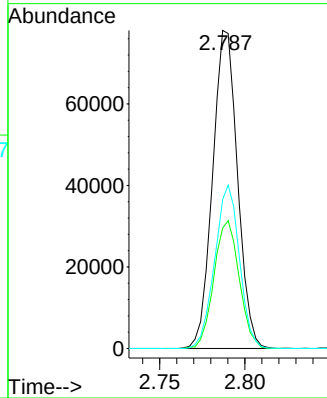
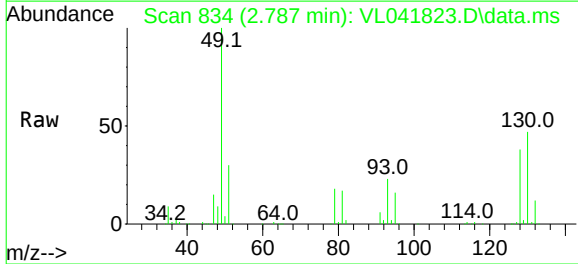
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
C0AC4

Tgt Ion: 49 Resp: 79340
Ion Ratio Lower Upper
49 100
128 40.8 21.6 64.6
130 50.9 28.3 85.0

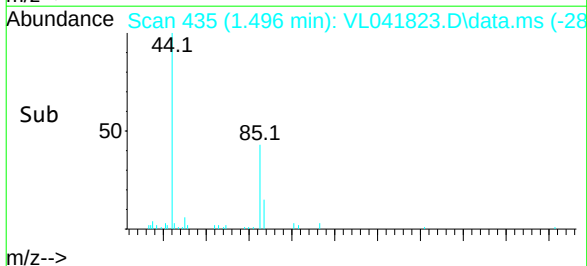
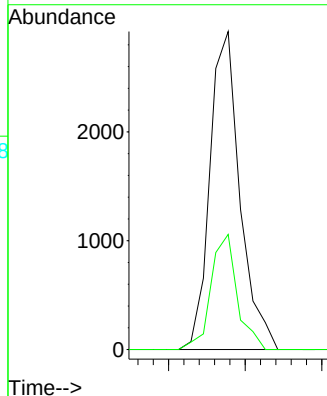
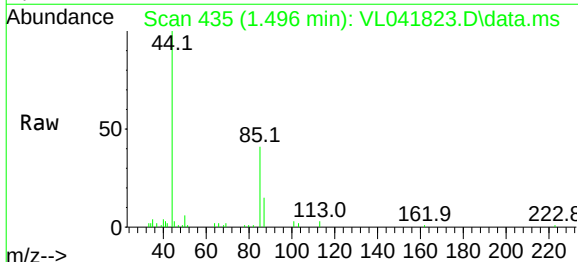
Manual Integrations
APPROVED

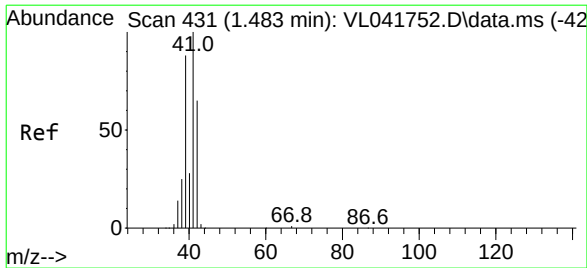
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

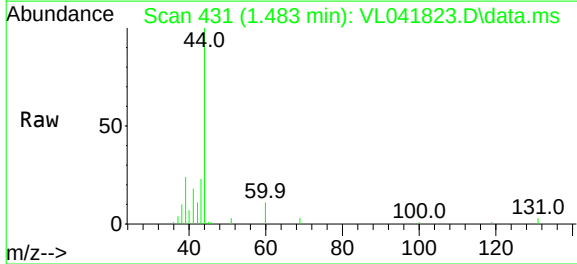
Tgt Ion: 85 Resp: 1595
Ion Ratio Lower Upper
85 100
87 36.2 24.5 36.7





#9
 Propene
 Concen: 0.240 ppbv m
 RT: 1.483 min Scan# 431
 Delta R.T. -0.000 min
 Lab File: VL041823.D
 Acq: 19 Dec 2024 16:34

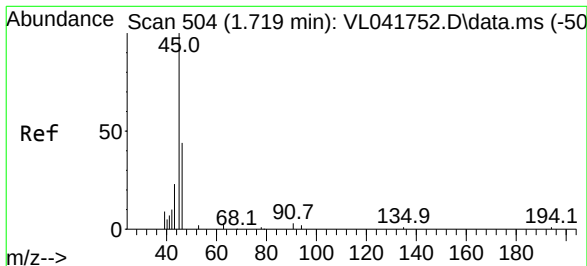
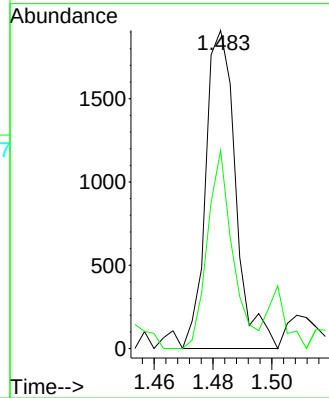
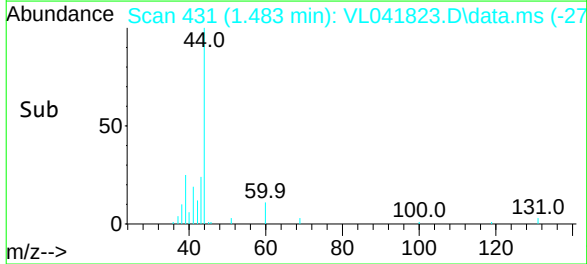
Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC4



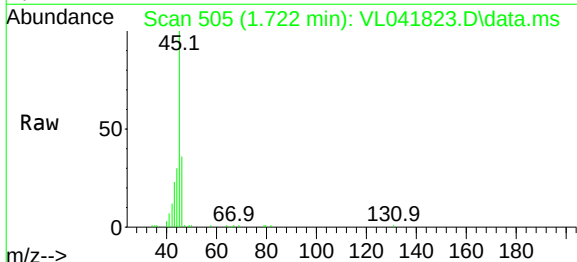
Tgt Ion: 41 Resp: 1344
 Ion Ratio Lower Upper
 41 100
 42 86.3 52.4 78.6#

Manual Integrations
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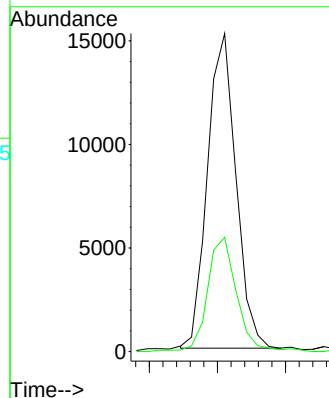
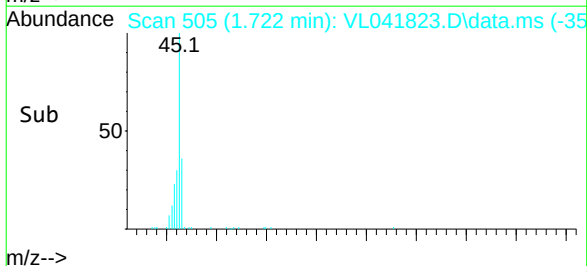
Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

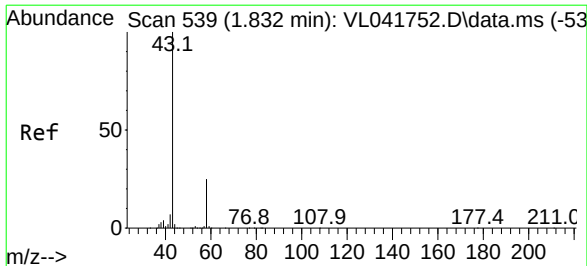


#13
 Ethanol
 Concen: 19.004 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL041823.D
 Acq: 19 Dec 2024 16:34



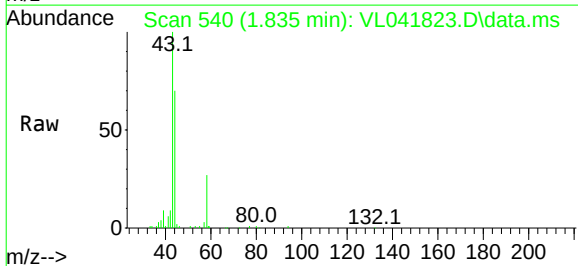
Tgt Ion: 45 Resp: 8825
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.4 65.8#





#15
Acetone
Concen: 0.761 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

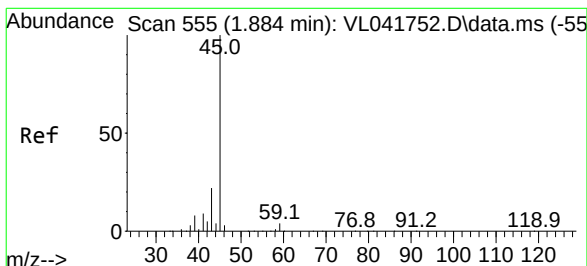
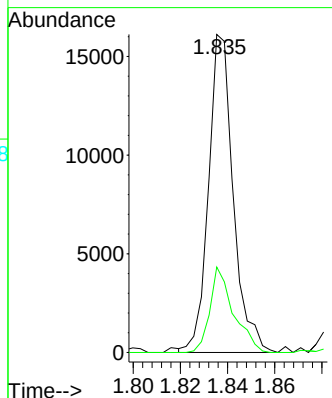
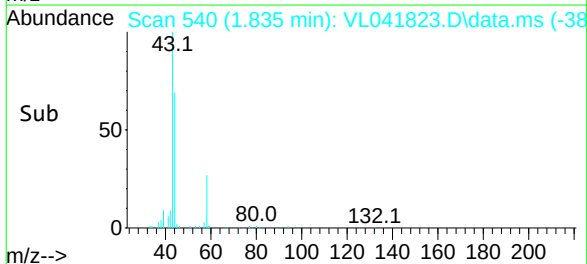
Instrument :
MSVOA_L
ClientSampleId :
C0AC4



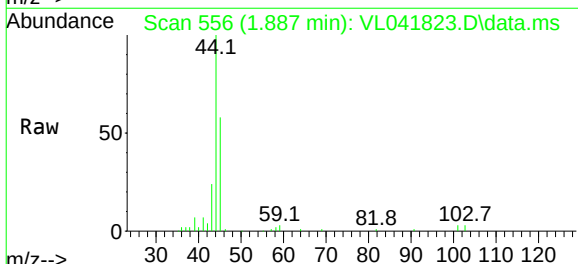
Tgt Ion: 43 Resp: 11754
Ion Ratio Lower Upper
43 100
58 25.7 19.7 29.5

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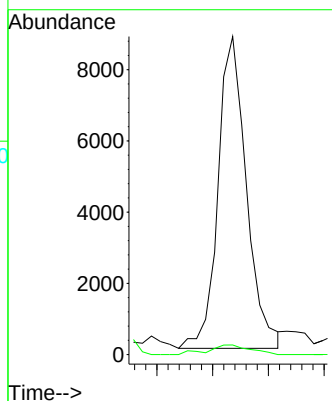
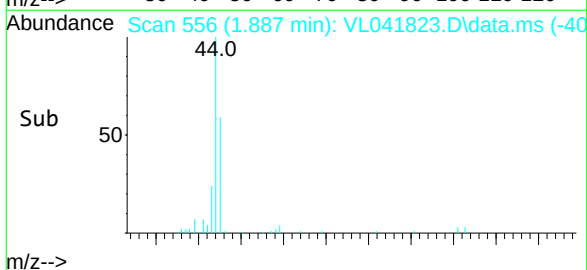
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

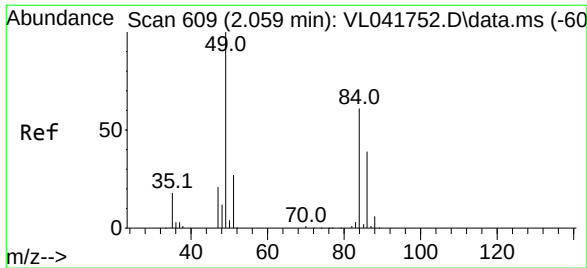


#19
Isopropyl Alcohol
Concen: 0.671 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34



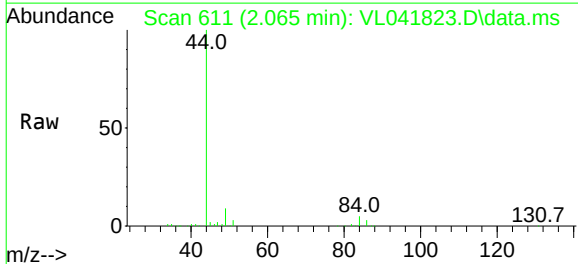
Tgt Ion: 45 Resp: 6216
Ion Ratio Lower Upper
45 100
58 4.2 33.3 49.9#





#20
Methylene Chloride
Concen: 0.226 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

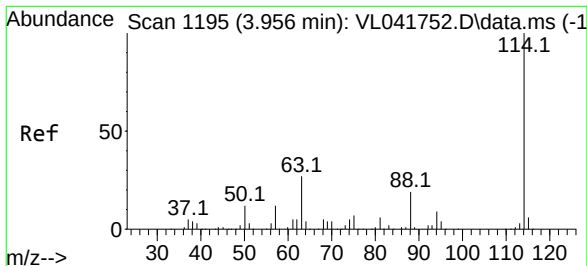
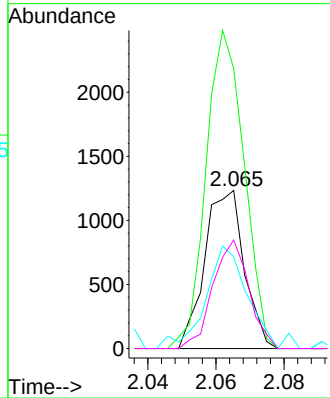
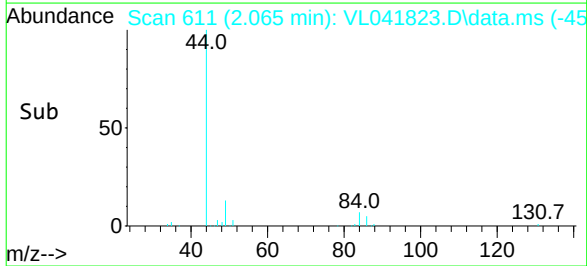
Instrument :
MSVOA_L
ClientSampleId :
C0AC4



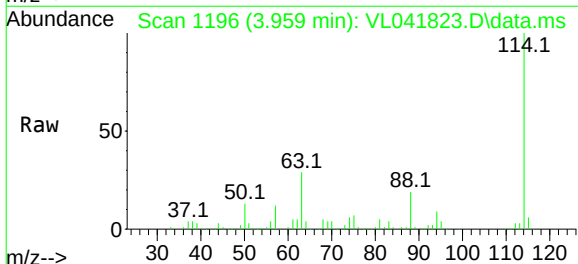
Tgt Ion:	84	Resp:	994
Ion	Ratio	Lower	Upper
84	100		
49	177.1	132.6	198.8
51	58.0	37.6	56.4
86	68.6	51.4	77.0

Manual Integrations
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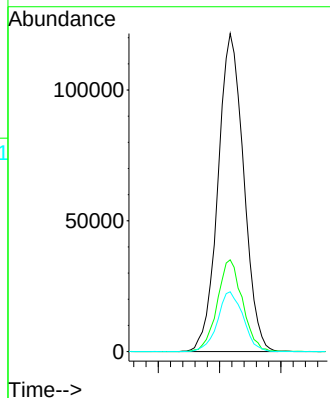
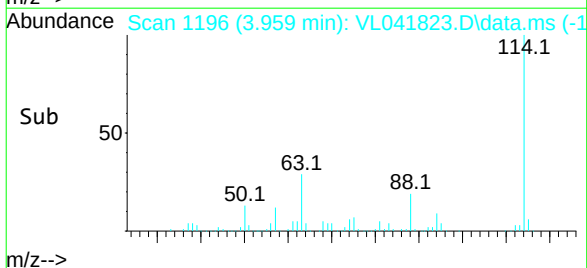
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

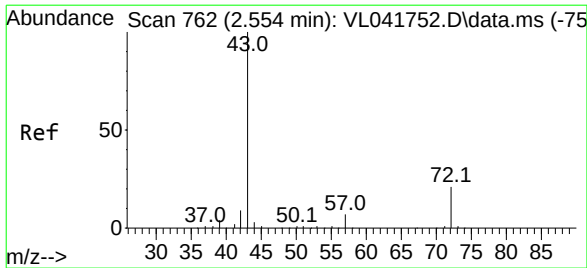


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34



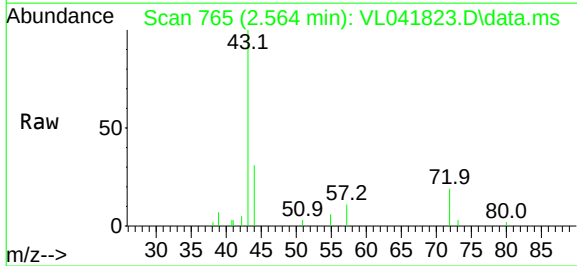
Tgt Ion:	114	Resp:	176938
Ion	Ratio	Lower	Upper
114	100		
63	28.4	21.8	32.8
88	18.8	14.8	22.2





#34
2-Butanone
Concen: 0.212 ppbv
RT: 2.564 min Scan# 762
Delta R.T. 0.009 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

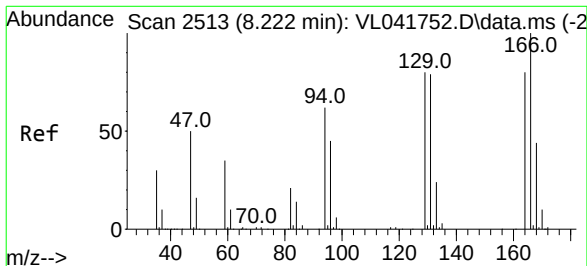
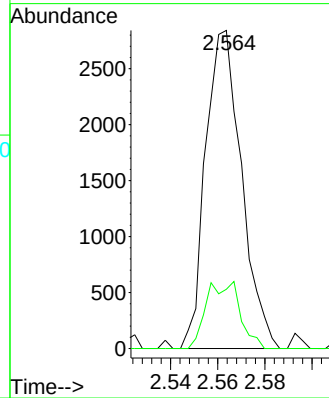
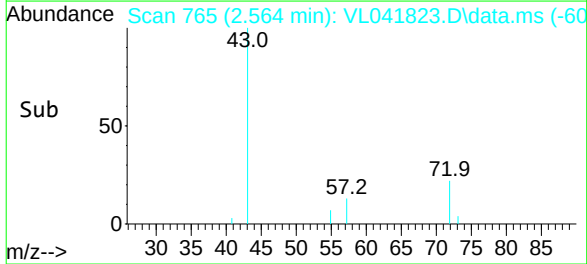
Instrument :
MSVOA_L
ClientSampleId :
C0AC4



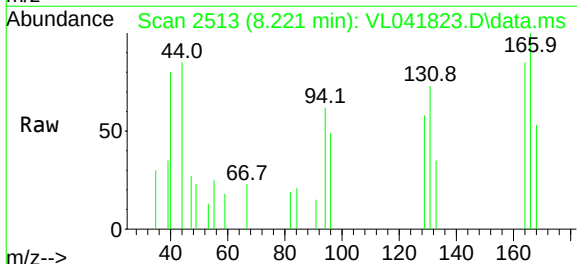
Tgt Ion: 43 Resp: 3011
Ion Ratio Lower Upper
43 100
72 19.7 16.8 25.2

Manual Integrations
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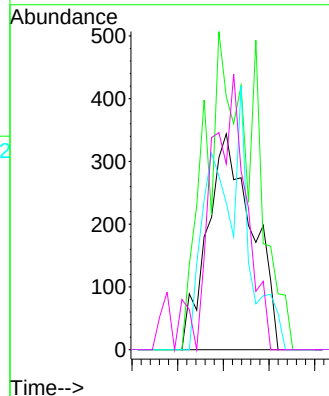
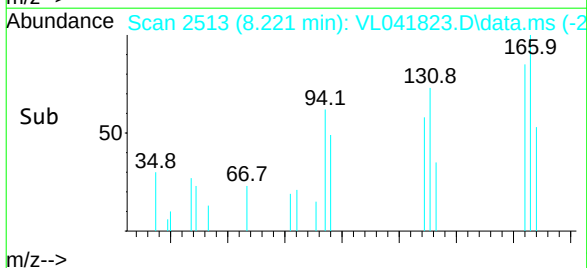
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

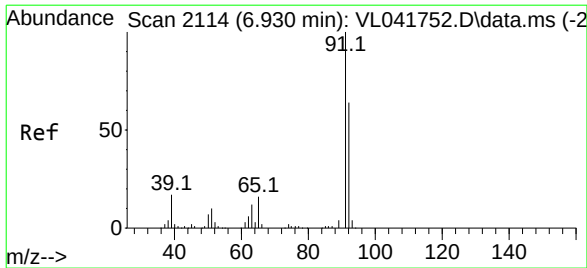


#52
Tetrachloroethene
Concen: 0.069 ppbv m
RT: 8.221 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34



Tgt Ion:164 Resp: 469
Ion Ratio Lower Upper
164 100
166 117.2 99.8 149.6
129 68.0 79.6 119.4#
131 86.0 78.6 117.8





#53

Toluene

Concen: 0.847 ppbv m

RT: 6.936 min Scan# 2114

Delta R.T. 0.006 min

Lab File: VL041823.D

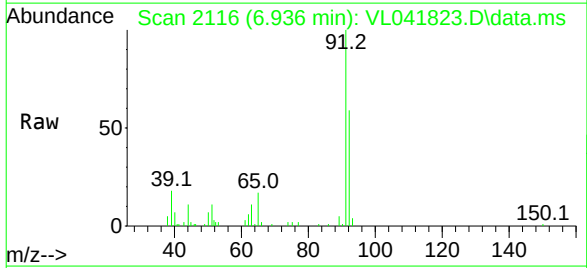
Acq: 19 Dec 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

C0AC4



Tgt Ion: 91 Resp: 17581

Ion Ratio Lower Upper

91 100

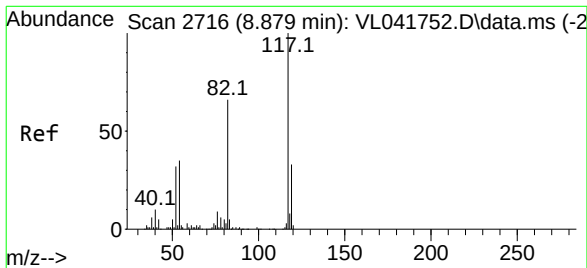
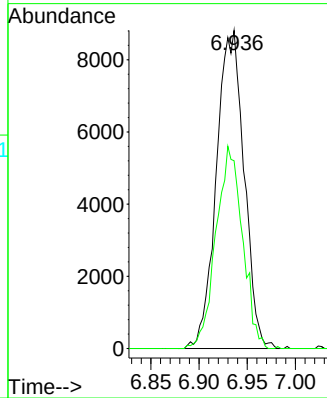
92 0.0 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.000 min

Lab File: VL041823.D

Acq: 19 Dec 2024 16:34

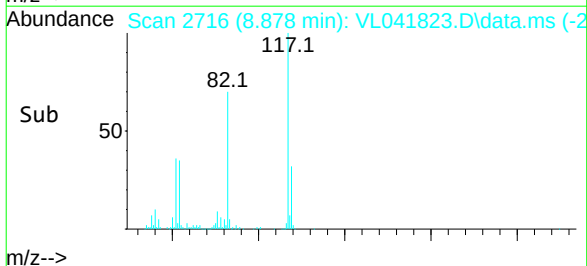
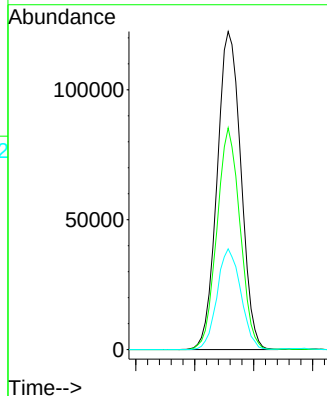
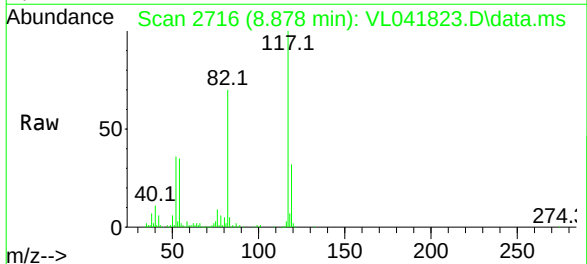
Tgt Ion:117 Resp: 171967

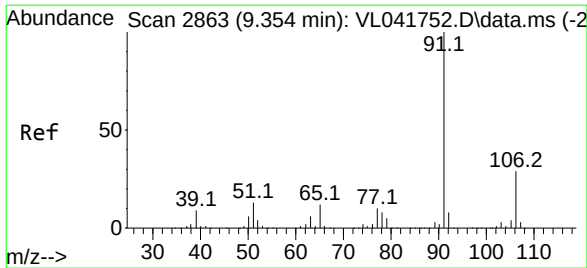
Ion Ratio Lower Upper

117 100

82 67.8 53.8 80.8

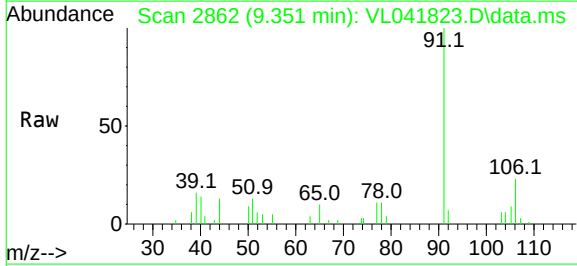
119 31.6 26.7 40.1





#58
Ethyl Benzene
Concen: 0.154 ppbv
RT: 9.351 min Scan# 2863
Delta R.T. -0.004 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

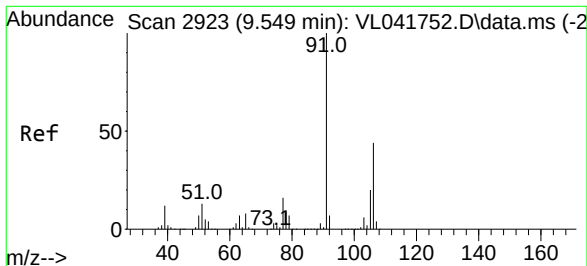
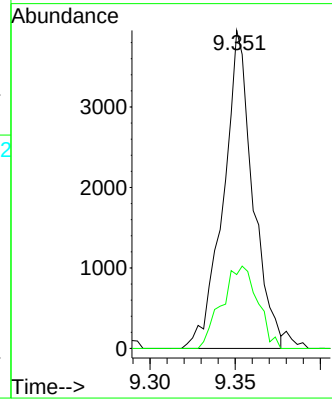
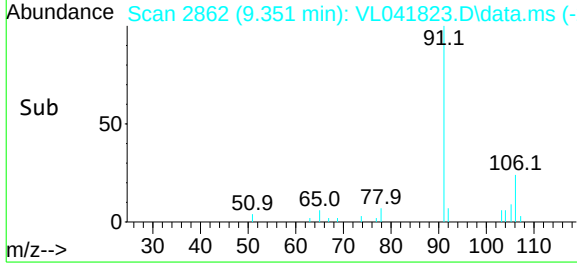
Instrument : MSVOA_L
ClientSampleId : C0AC4



Tgt Ion: 91 Resp: 4756
Ion Ratio Lower Upper
91 100
106 23.2 23.5 35.3

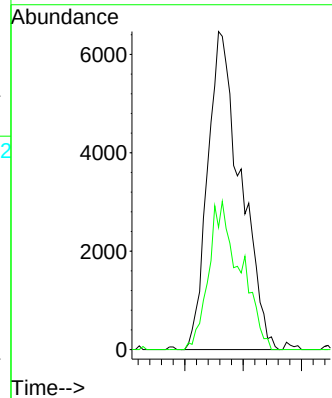
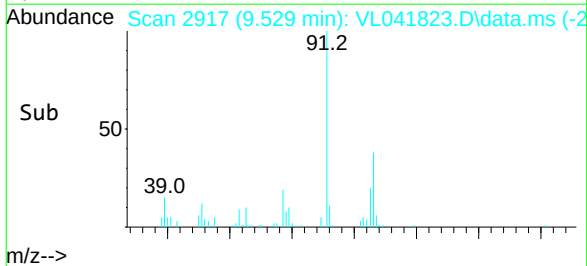
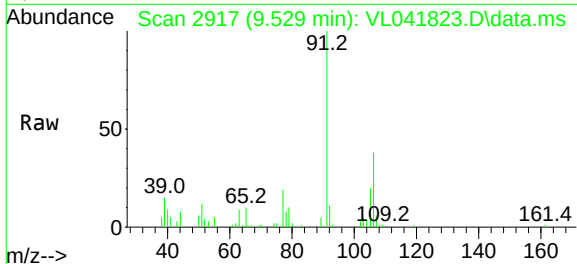
Manual Integrations
APPROVED

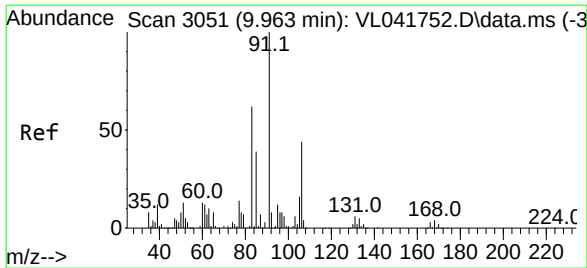
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#59
m/p-Xylene
Concen: 0.511 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.020 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

Tgt Ion: 91 Resp: 12716
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#60

o-Xylene

Concen: 0.208 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041823.D

Acq: 19 Dec 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

C0AC4

Tgt Ion: 91 Resp: 5184

Ion Ratio Lower Upper

91 100

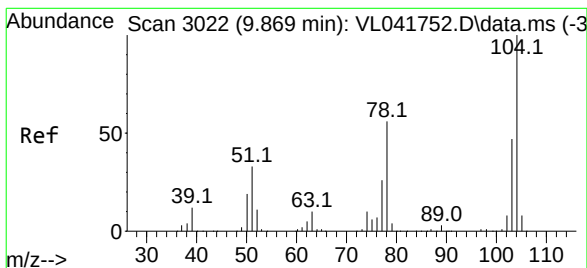
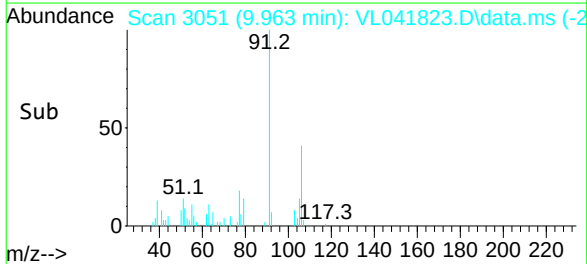
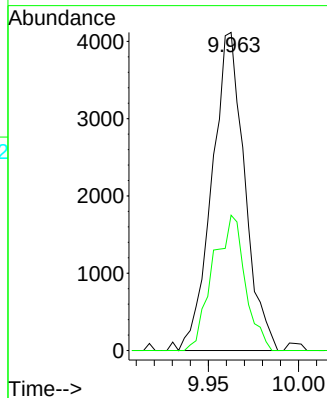
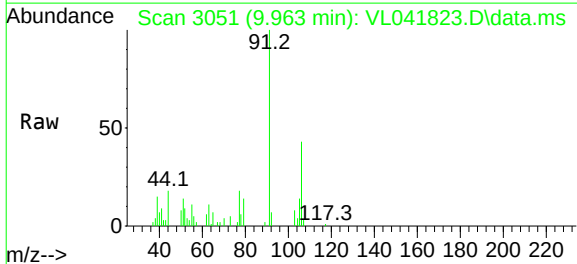
106 42.0 21.1 63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#61

Styrene

Concen: 0.155 ppbv

RT: 9.862 min Scan# 3020

Delta R.T. -0.007 min

Lab File: VL041823.D

Acq: 19 Dec 2024 16:34

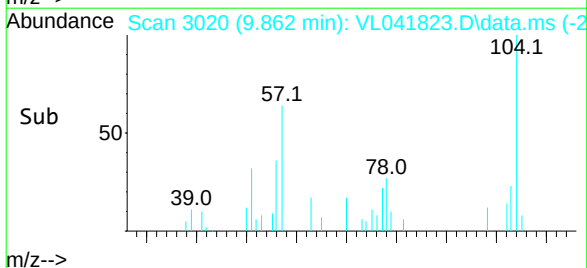
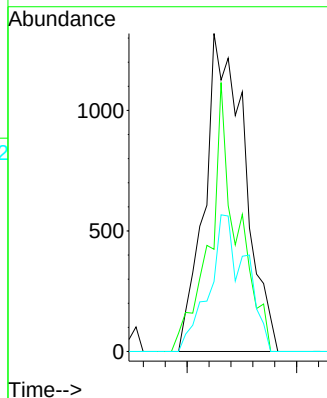
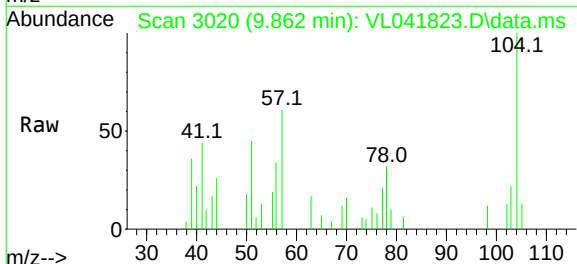
Tgt Ion:104 Resp: 1668

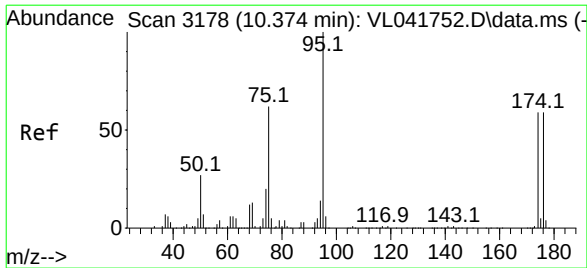
Ion Ratio Lower Upper

104 100

78 58.4 43.8 65.6

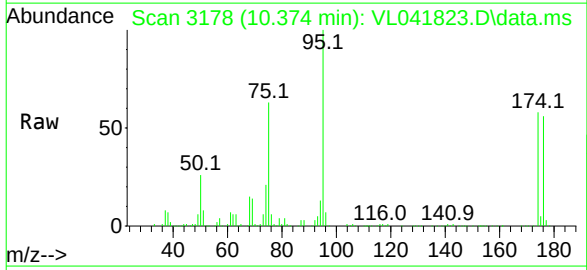
103 39.5 37.8 56.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.797 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VL041823.D
Acq: 19 Dec 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
C0AC4



Tgt Ion:	95	Resp:	140400
Ion	Ratio	Lower	Upper
95	100		
174	58.6	47.6	71.4
175	4.7	3.7	5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

