

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041803.D
 Acq On : 18 Dec 2024 20:32
 Operator : SY/MD
 Sample : P5294-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AB7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024
 Supervised By :Mahesh Dadoda 12/19/2024

Quant Time: Dec 19 07:59:07 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	2.793	49	76658	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	187828	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	164998	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	139994	10.182	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	4836	0.355	ppbv	99
3) Chlorodifluoromethane	1.479	51	3460m	0.277	ppbv	
4) Chloromethane	1.534	50	3556	0.666	ppbv #	78
9) Propene	1.492	41	54201m	10.003	ppbv	
10) Heptane	4.994	43	1709m	0.123	ppbv	
11) Trichlorofluoromethane	1.884	101	2898	0.200	ppbv #	80
13) Ethanol	1.732	45	1977904	4408.380	ppbv	99
15) Acetone	1.839	43	128822	8.637	ppbv #	89
17) tert-Butyl alcohol	2.049	59	9710	0.656	ppbv #	71
19) Isopropyl Alcohol	1.890	45	155744	17.402	ppbv #	59
20) Methylene Chloride	2.065	84	1921	0.452	ppbv #	81
25) Ethyl Acetate	2.845	43	7001m	0.252	ppbv	
26) Hexane	2.835	57	3564	0.338	ppbv #	70
29) Chloroform	2.855	83	4772	0.297	ppbv #	82
30) Cyclohexane	3.865	84	971m	0.108	ppbv	
34) 2-Butanone	2.570	43	6833	0.452	ppbv	99
35) Carbon Tetrachloride	3.774	117	984m	0.074	ppbv	
36) Benzene	3.674	78	6297m	0.324	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	6046m	0.182	ppbv	
53) Toluene	6.949	91	13160	0.597	ppbv	99
59) m/p-Xylene	9.542	91	6469m	0.271	ppbv	
60) o-Xylene	9.976	91	2612	0.109	ppbv	97

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

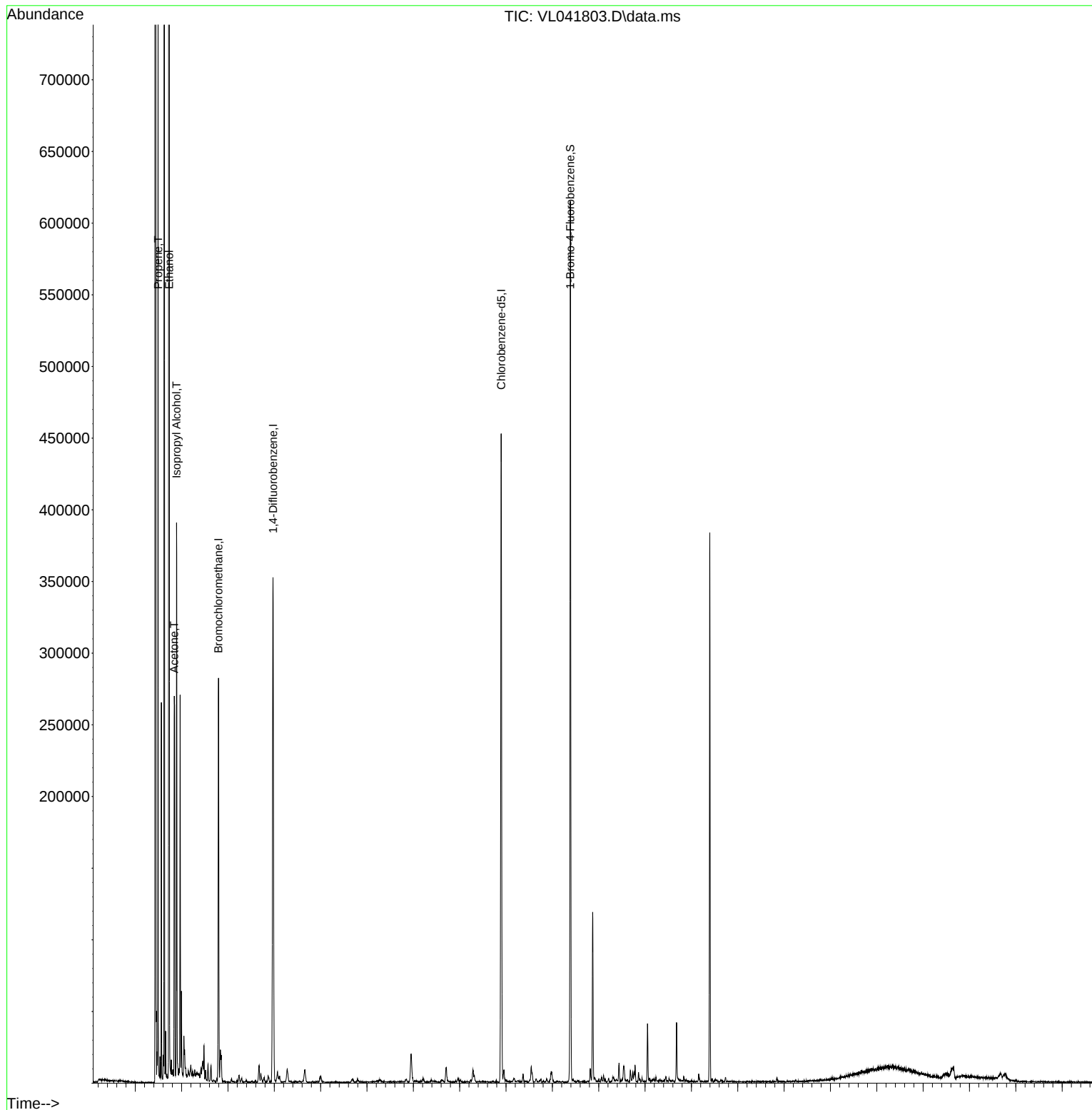
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041803.D
Acq On : 18 Dec 2024 20:32
Operator : SY/MD
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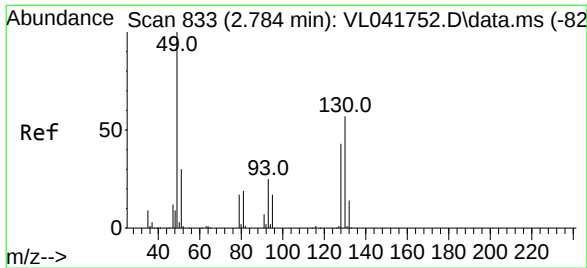
Instrument :
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ClientSampleId :
C0AB7

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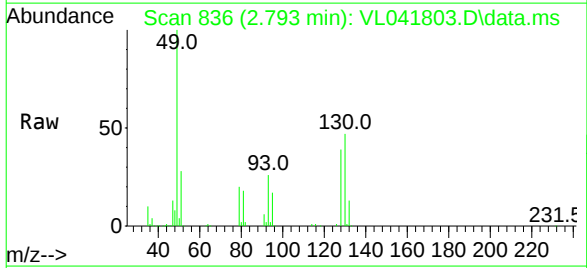
Quant Time: Dec 19 07:59:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

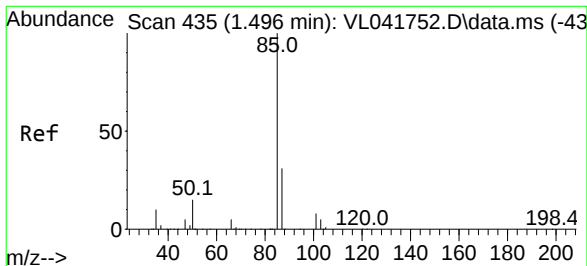
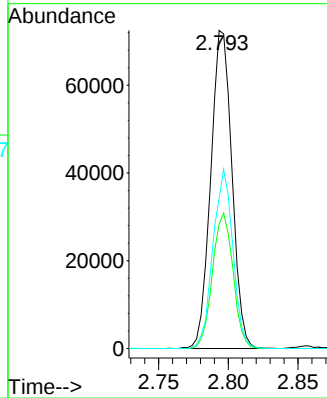
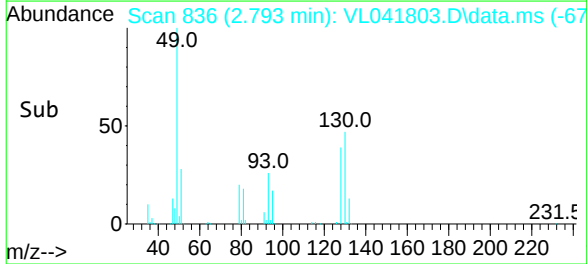
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion: 49 Resp: 76658
Ion Ratio Lower Upper
49 100
128 41.2 21.6 64.6
130 52.9 28.3 85.0

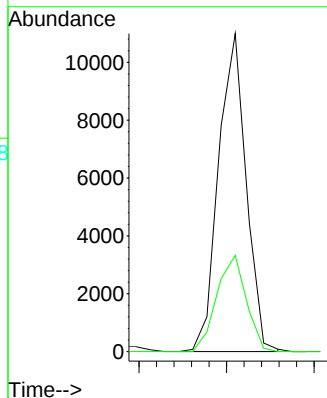
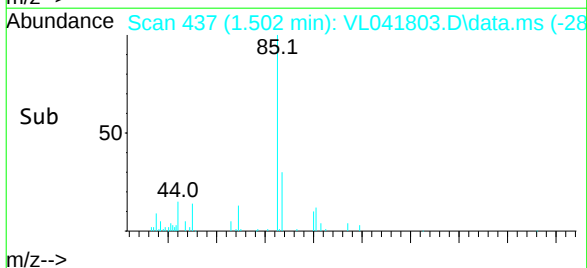
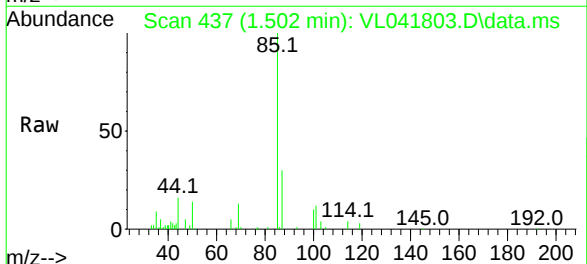
Manual Integrations
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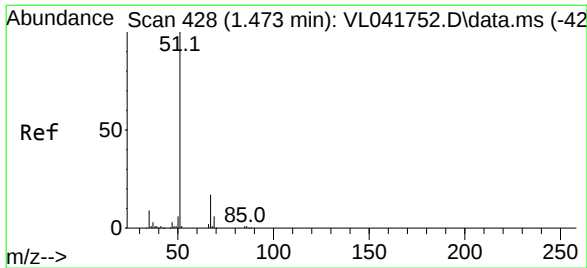
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#2
Dichlorodifluoromethane
Concen: 0.355 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

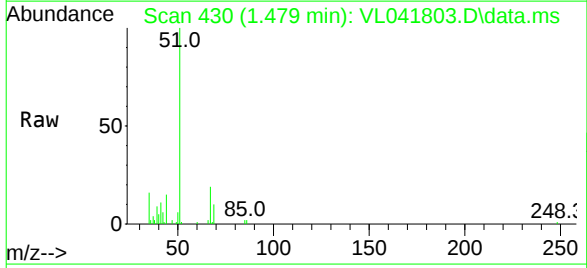
Tgt Ion: 85 Resp: 4836
Ion Ratio Lower Upper
85 100
87 30.2 24.5 36.7





#3
Chlorodifluoromethane
Concen: 0.277 ppbv m
RT: 1.479 min Scan# 43
Delta R.T. 0.006 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

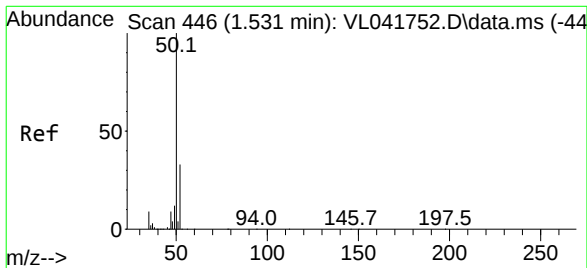
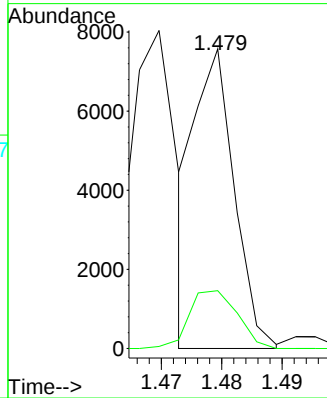
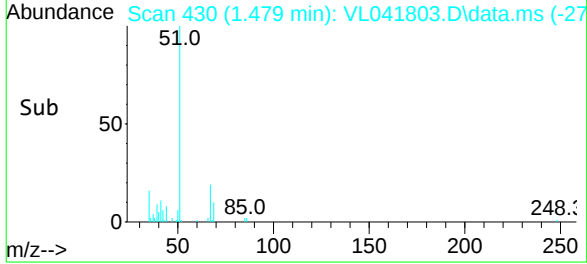
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



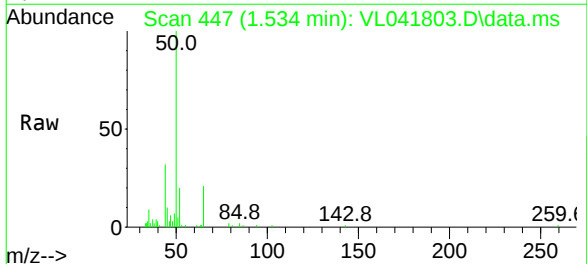
Tgt Ion: 51 Resp: 3460
Ion Ratio Lower Upper
51 100
67 23.6 15.0 22.4#

Manual Integrations
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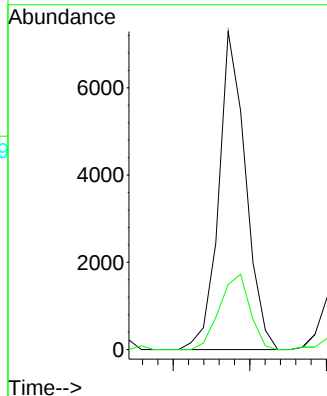
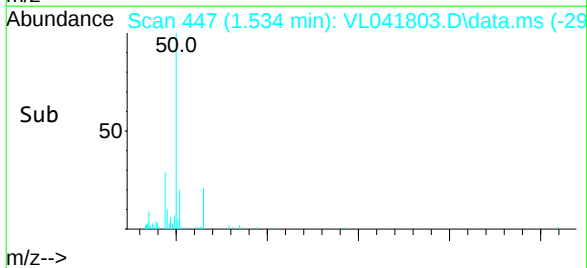
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

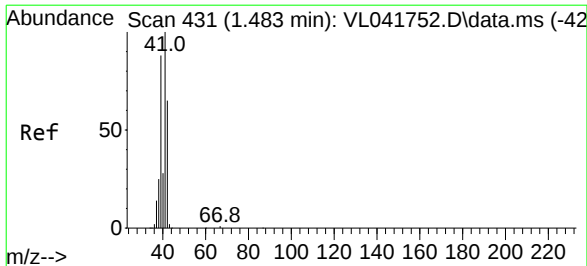


#4
Chloromethane
Concen: 0.666 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32



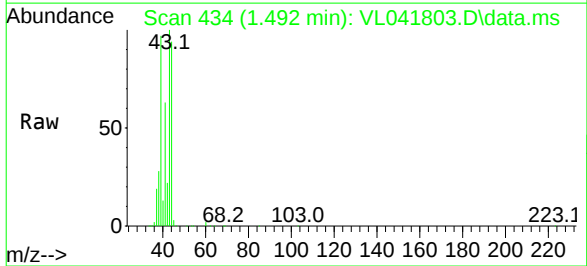
Tgt Ion: 50 Resp: 3556
Ion Ratio Lower Upper
50 100
52 20.5 26.2 39.2#





#9
Propene
Concen: 10.003 ppbv m
RT: 1.492 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

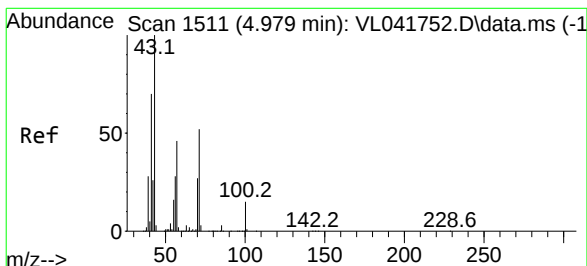
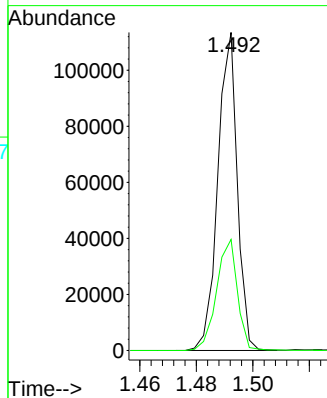
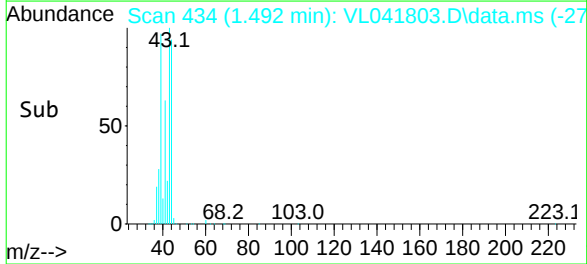
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion: 41 Resp: 54201
Ion Ratio Lower Upper
41 100
42 34.0 52.4 78.6#

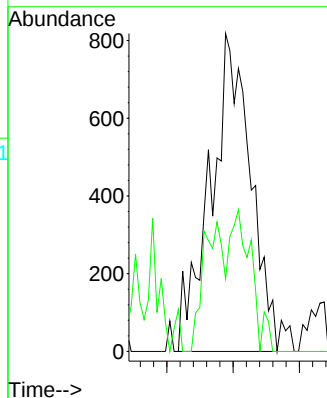
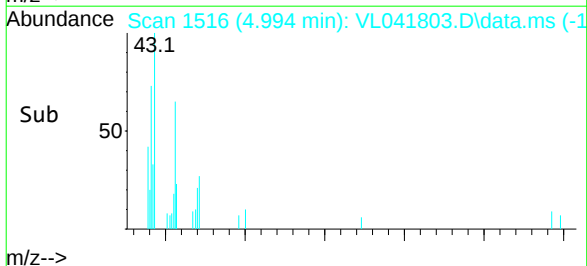
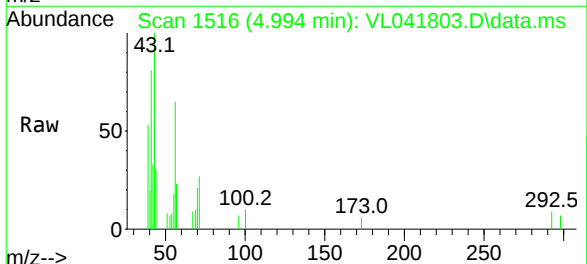
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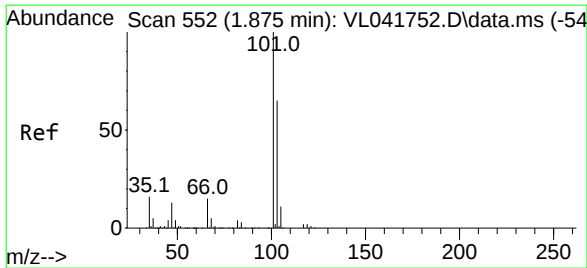
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#10
Heptane
Concen: 0.123 ppbv m
RT: 4.994 min Scan# 1516
Delta R.T. 0.016 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
57 0.0 38.5 57.7#





#11

Trichlorofluoromethane

Concen: 0.200 ppbv

RT: 1.884 min Scan# 55

Delta R.T. 0.009 min

Lab File: VL041803.D

Acq: 18 Dec 2024 20:32

Instrument :

MSVOA_L

ClientSampleId :

C0AB7

Tgt Ion:101 Resp: 2898

Ion Ratio Lower Upper

101 100

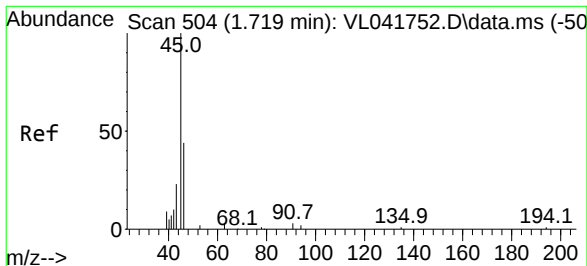
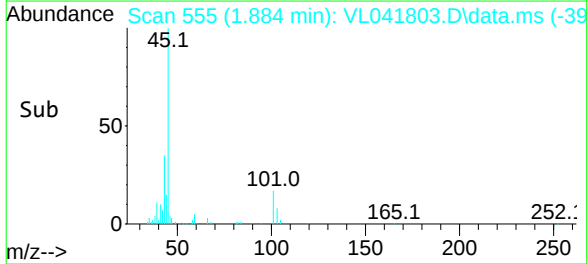
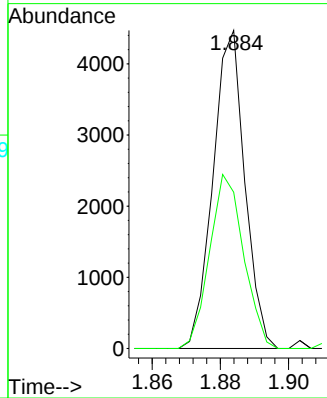
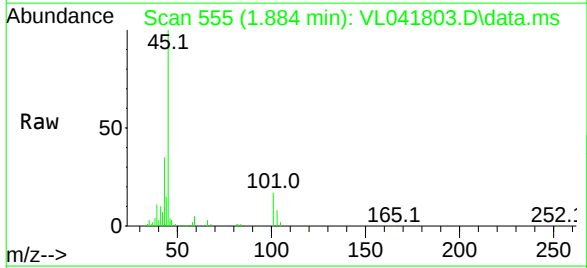
103 49.1 51.8 77.8#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/19/2024

Supervised By :Mahesh Dadoda 12/19/2024



#13

Ethanol

Concen: 4408.380 ppbv

RT: 1.732 min Scan# 508

Delta R.T. 0.013 min

Lab File: VL041803.D

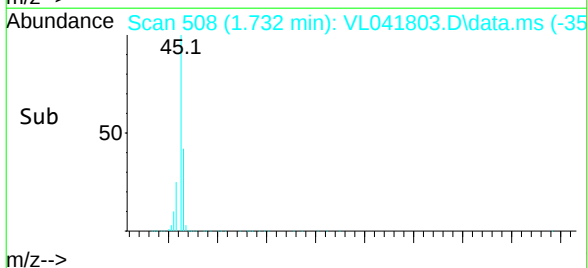
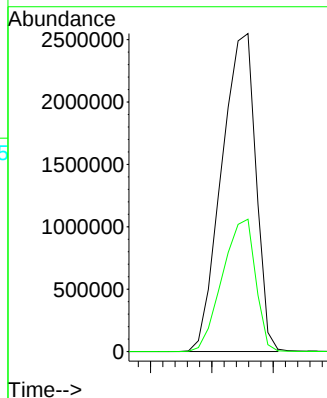
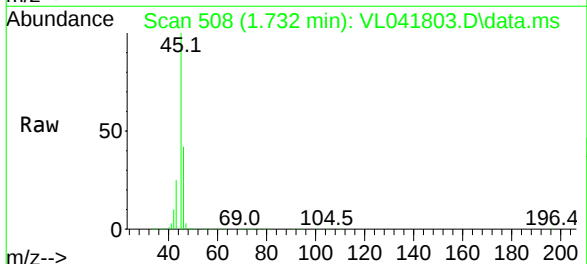
Acq: 18 Dec 2024 20:32

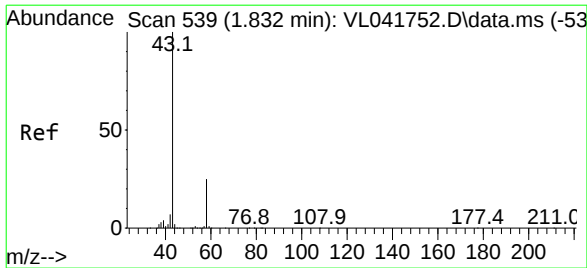
Tgt Ion: 45 Resp: 1977904

Ion Ratio Lower Upper

45 100

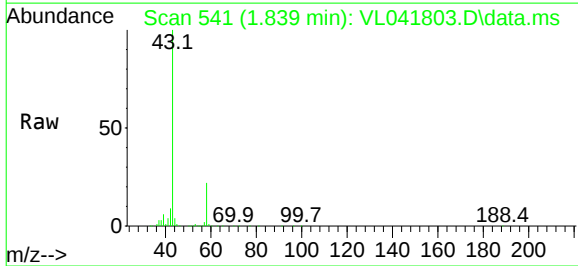
46 40.3 16.4 65.8





#15
Acetone
Concen: 8.637 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

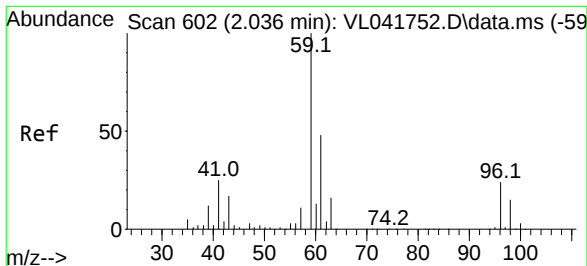
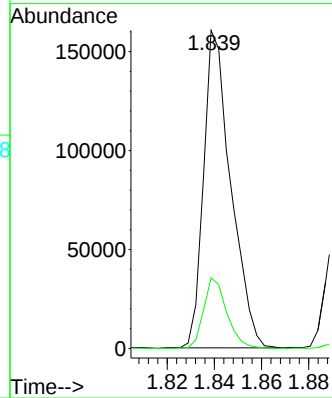
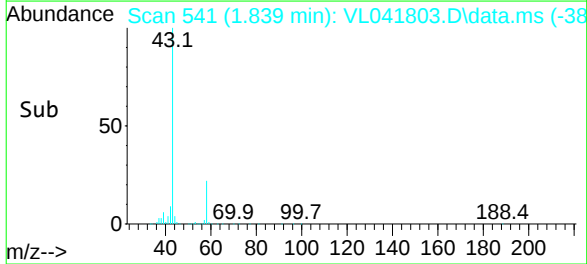
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion: 43 Resp: 128822
Ion Ratio Lower Upper
43 100
58 19.0 19.7 29.5#

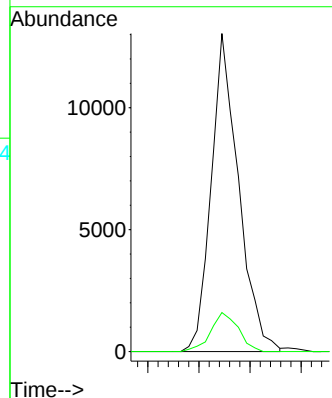
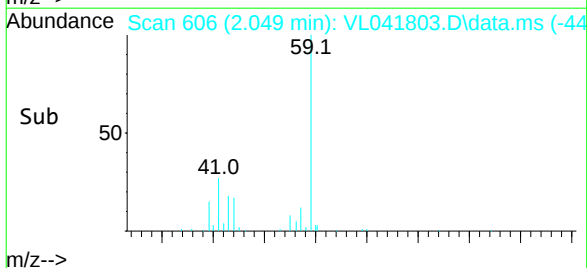
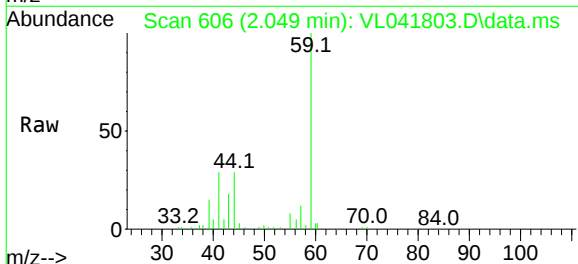
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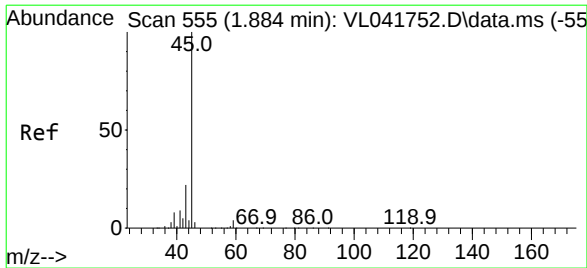
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#17
tert-Butyl alcohol
Concen: 0.656 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.013 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

Tgt Ion: 59 Resp: 9710
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#19

Isopropyl Alcohol

Concen: 17.402 ppbv

RT: 1.890 min Scan# 555

Delta R.T. 0.006 min

Lab File: VL041803.D

Acq: 18 Dec 2024 20:32

Instrument :

MSVOA_L

ClientSampleId :

C0AB7

Tgt Ion: 45 Resp: 155744

Ion Ratio Lower Upper

45 100

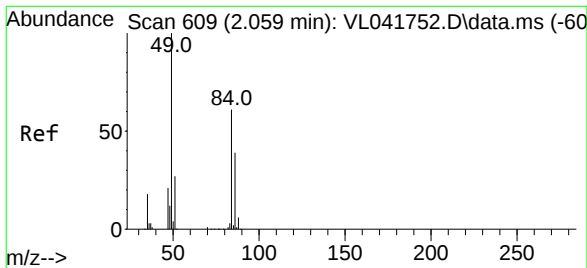
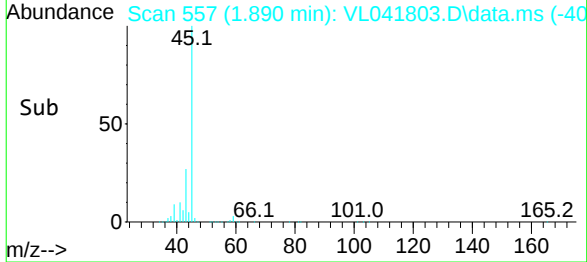
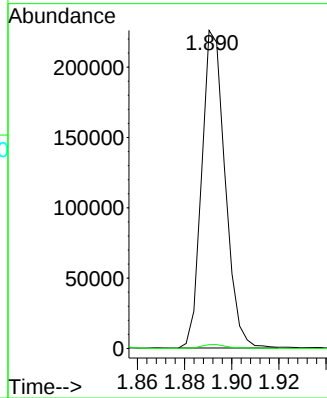
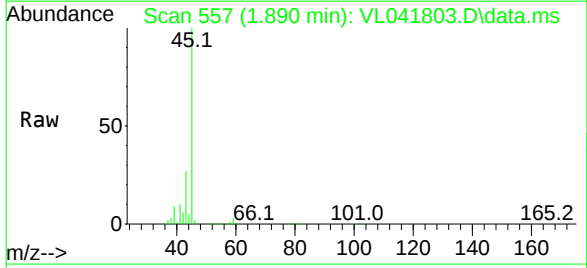
58 15.7 33.3 49.9#

Manual Integrations

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Supervised By :Mahesh Dadoda 12/19/2024



#20

Methylene Chloride

Concen: 0.452 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041803.D

Acq: 18 Dec 2024 20:32

Tgt Ion: 84 Resp: 1921

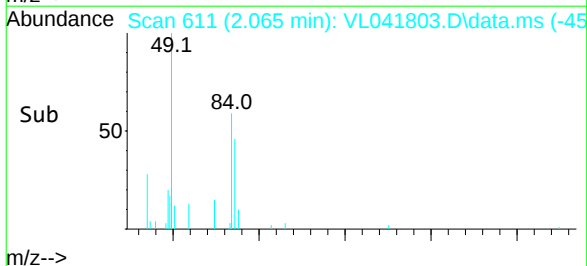
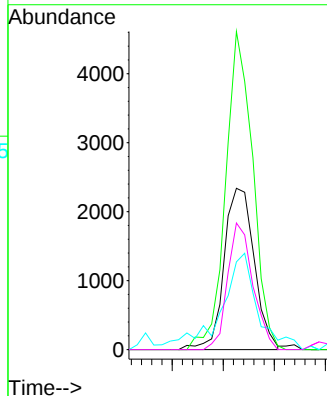
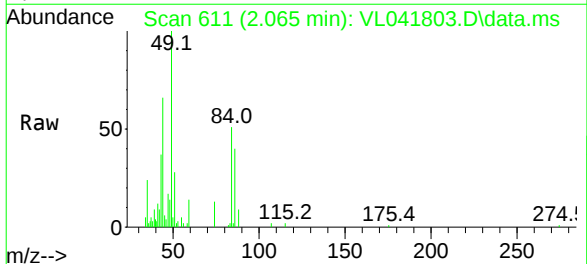
Ion Ratio Lower Upper

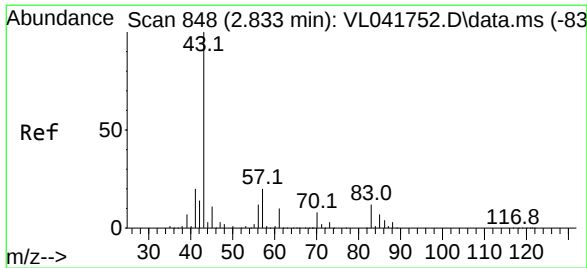
84 100

49 197.2 132.6 198.8

51 48.5 37.6 56.4

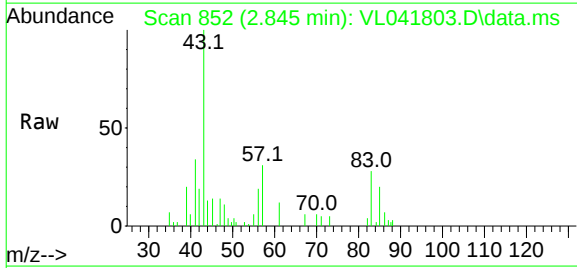
86 78.5 51.4 77.0#





#25
Ethyl Acetate
Concen: 0.252 ppbv m
RT: 2.845 min Scan# 851
Delta R.T. 0.013 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

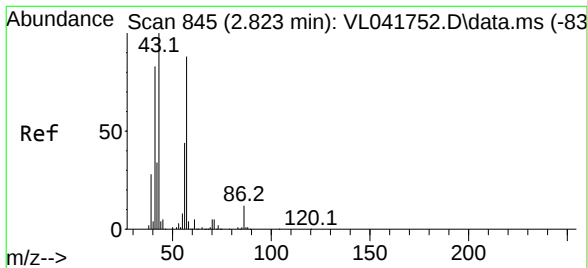
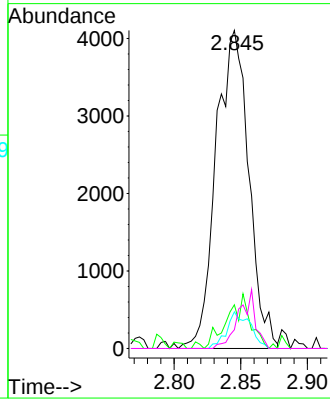
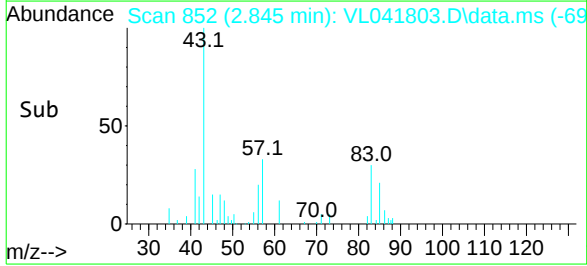
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C0AB7



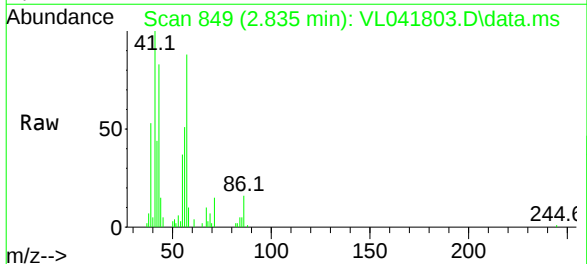
Tgt Ion	Ratio	Lower	Upper
43	100		
45	13.2	8.1	12.1#
61	8.3	7.0	10.6
70	9.5	6.5	9.7

Manual Integrations
APPROVED

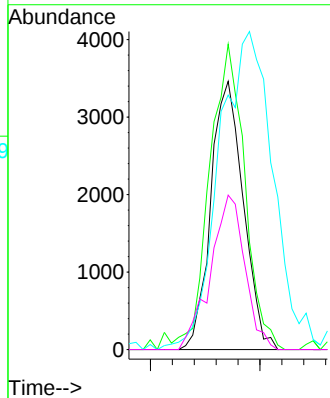
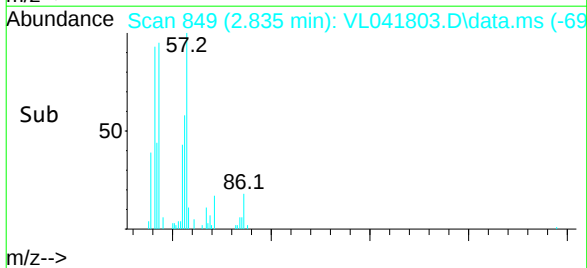
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

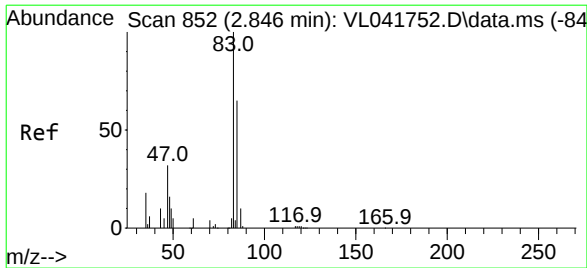


#26
Hexane
Concen: 0.338 ppbv
RT: 2.835 min Scan# 849
Delta R.T. 0.013 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32



Tgt Ion	Ratio	Lower	Upper
57	100		
41	126.2	79.6	119.4#
43	200.4	211.0	316.6#
56	60.8	42.6	63.8





#29

Chloroform

Concen: 0.297 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.009 min

Lab File: VL041803.D

Acq: 18 Dec 2024 20:32

Instrument :

MSVOA_L

ClientSampleId :

C0AB7

Tgt Ion: 83 Resp: 4772

Ion Ratio Lower Upper

83 100

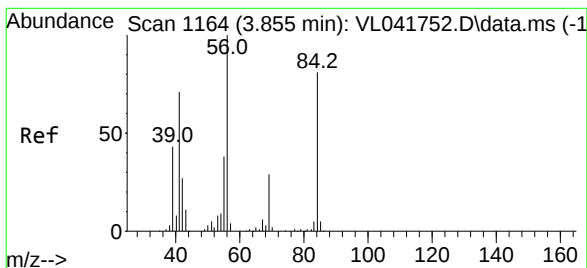
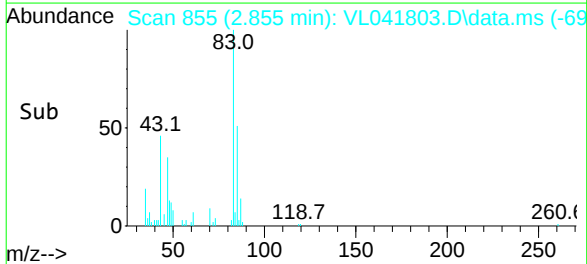
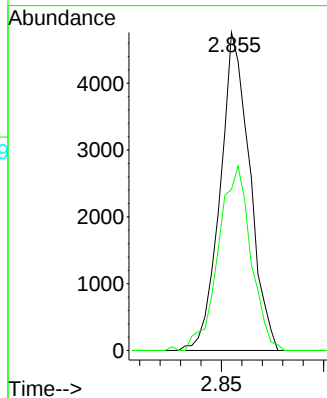
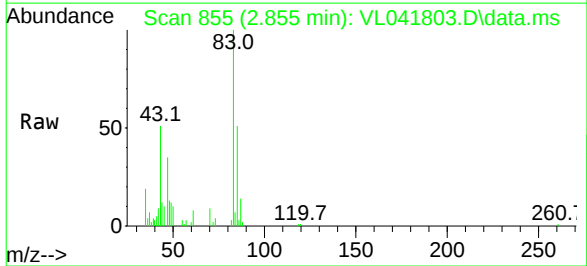
85 50.7 51.8 77.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024

Supervised By :Mahesh Dadoda 12/19/2024



#30

Cyclohexane

Concen: 0.108 ppbv m

RT: 3.865 min Scan# 1167

Delta R.T. 0.009 min

Lab File: VL041803.D

Acq: 18 Dec 2024 20:32

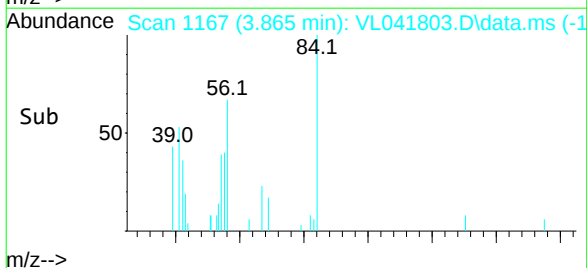
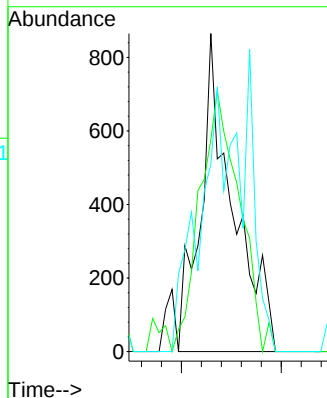
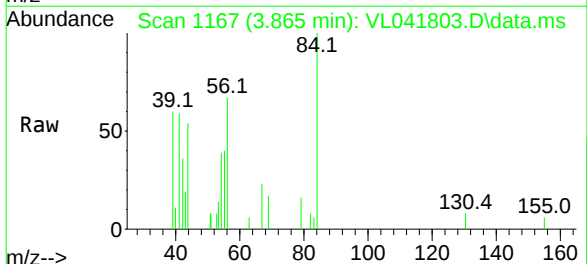
Tgt Ion: 84 Resp: 971

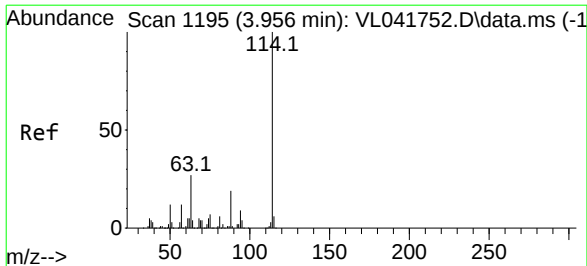
Ion Ratio Lower Upper

84 100

56 106.3 102.3 153.5

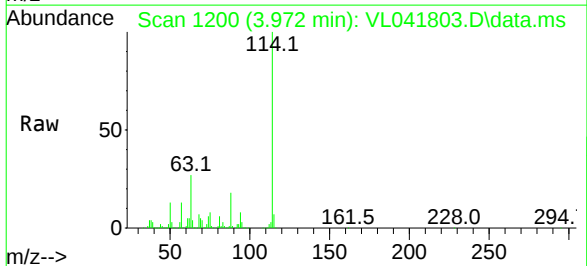
41 0.0 74.0 111.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 12
Delta R.T. 0.016 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

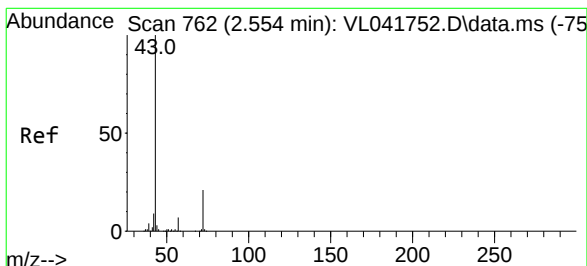
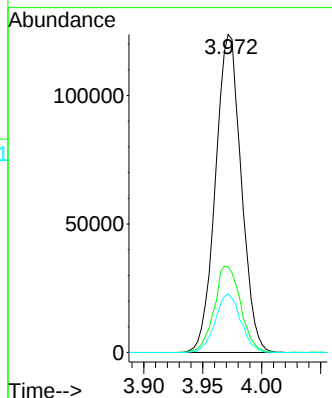
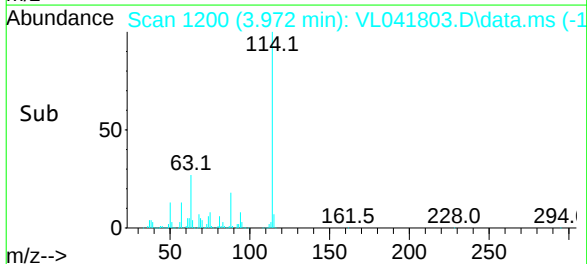
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion: 114 Resp: 187828
Ion Ratio Lower Upper
114 100
63 27.8 21.8 32.8
88 18.2 14.8 22.2

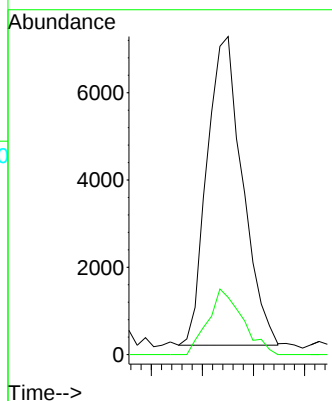
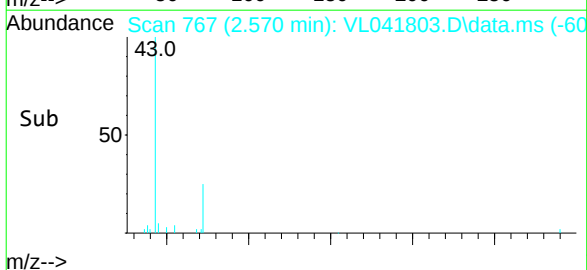
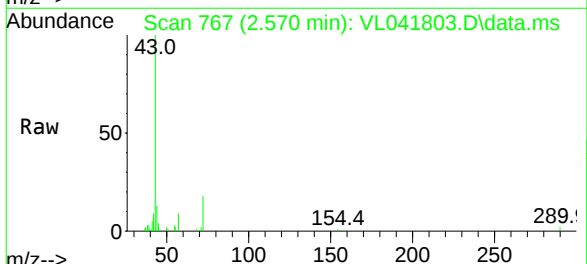
Manual Integrations
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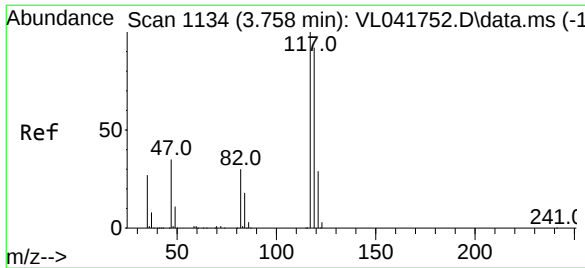
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#34
2-Butanone
Concen: 0.452 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

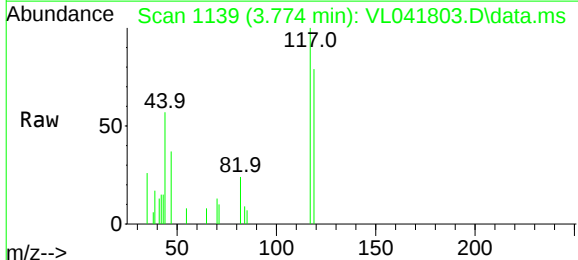
Tgt Ion: 43 Resp: 6833
Ion Ratio Lower Upper
43 100
72 20.6 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 3.774 min Scan# 1134
Delta R.T. 0.016 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

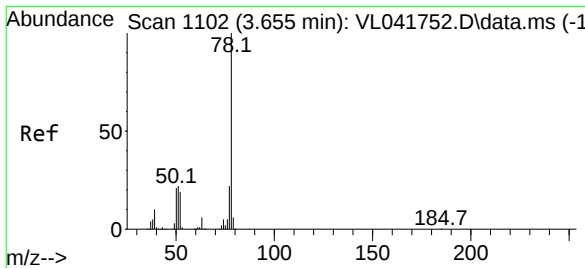
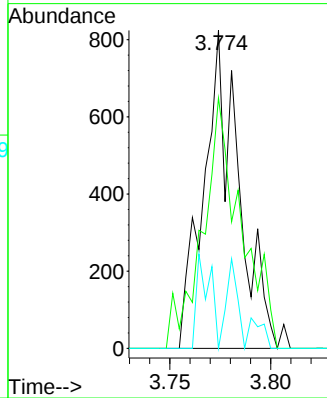
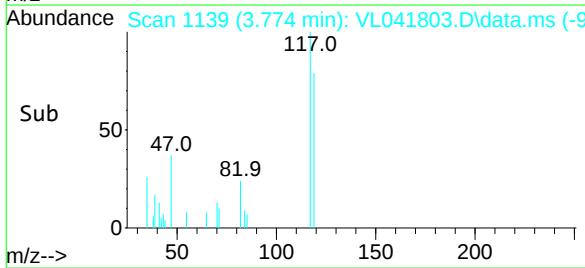
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.8	73.7	110.5
121	0.0	23.0	34.4

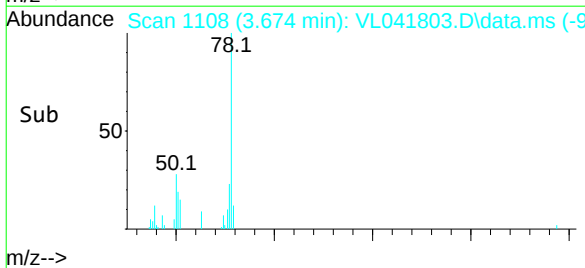
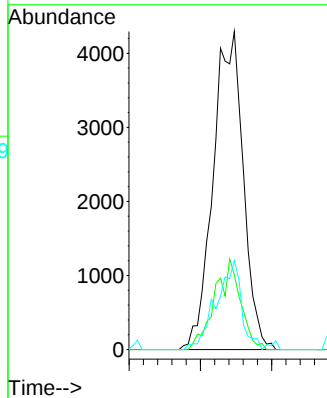
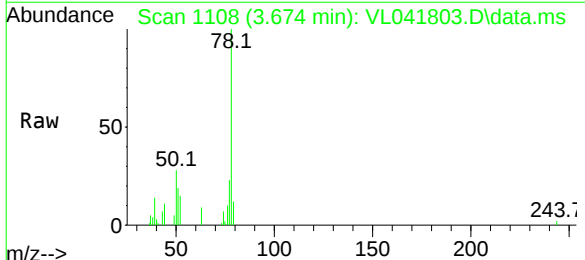
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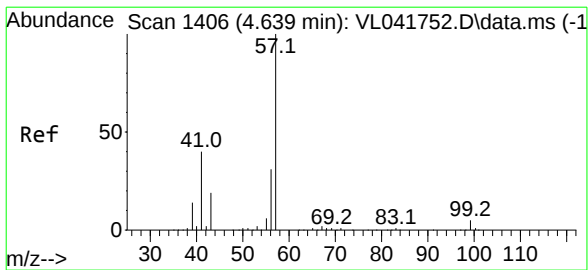
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#36
Benzene
Concen: 0.324 ppbv m
RT: 3.674 min Scan# 1108
Delta R.T. 0.019 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

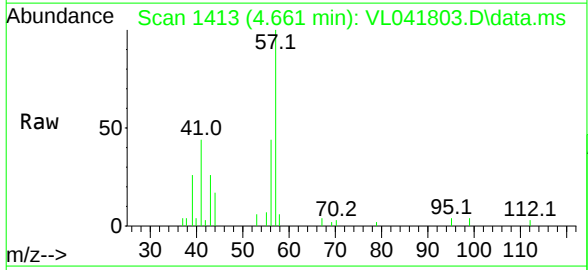
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.8	26.6
50	28.1	17.2	25.8





#44
2,2,4-Trimethylpentane
Concen: 0.182 ppbv m
RT: 4.661 min Scan# 1406
Delta R.T. 0.022 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

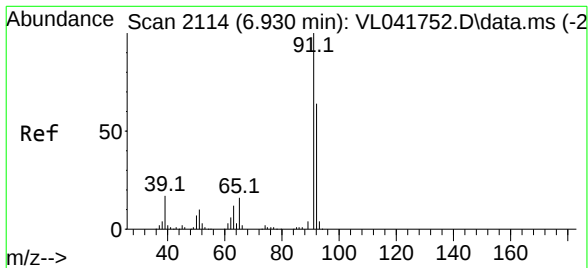
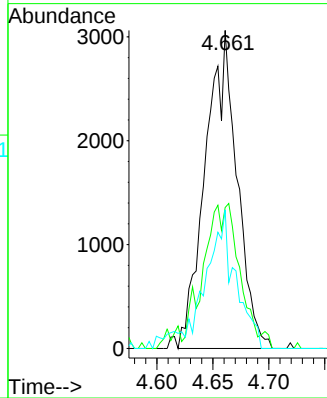
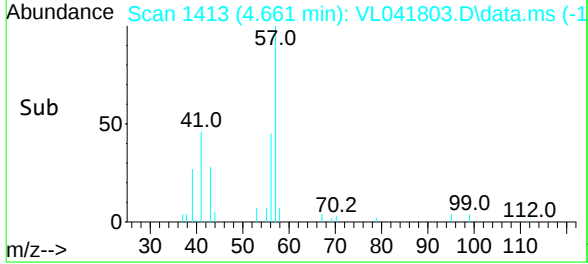
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion: 57 Resp: 6046
Ion Ratio Lower Upper
57 100
41 0.0 30.7 46.1#
56 0.0 25.4 38.0#

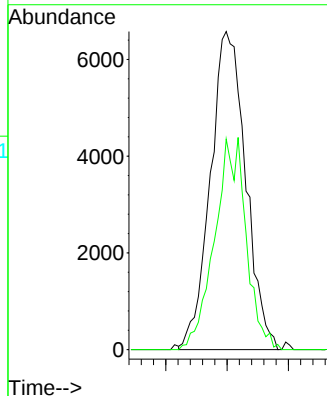
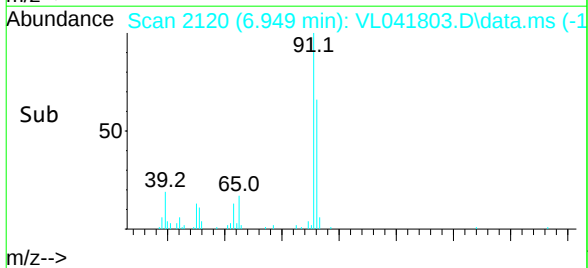
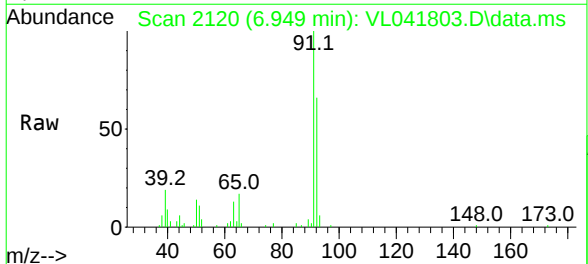
Manual Integrations
APPROVED

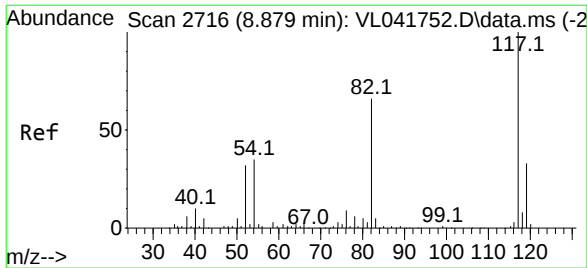
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#53
Toluene
Concen: 0.597 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. 0.019 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

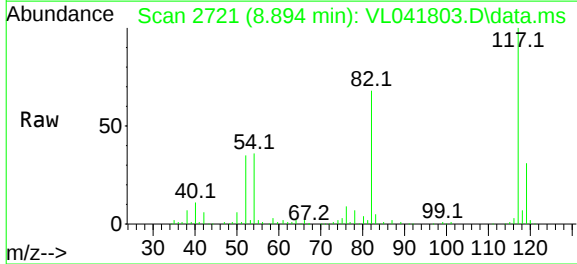
Tgt Ion: 91 Resp: 13160
Ion Ratio Lower Upper
91 100
92 59.3 47.9 71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2716
Delta R.T. 0.016 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

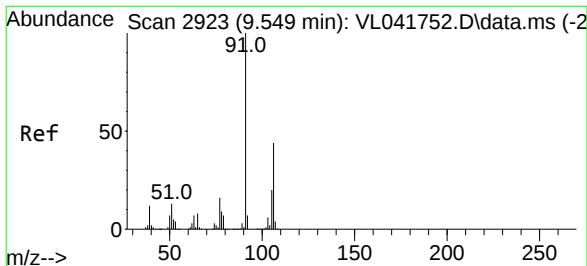
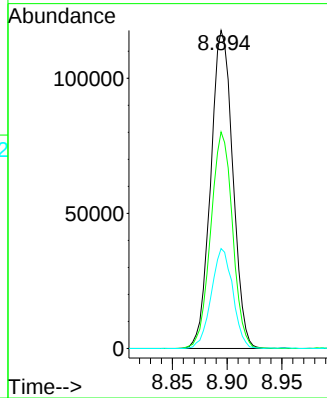
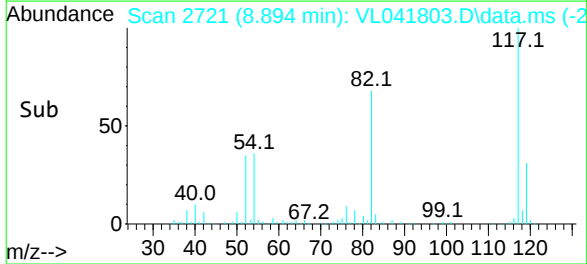
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



Tgt Ion: 117 Resp: 164998
Ion Ratio Lower Upper
117 100
82 67.3 53.8 80.8
119 30.9 26.7 40.1

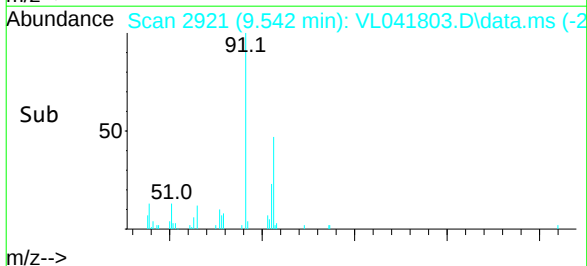
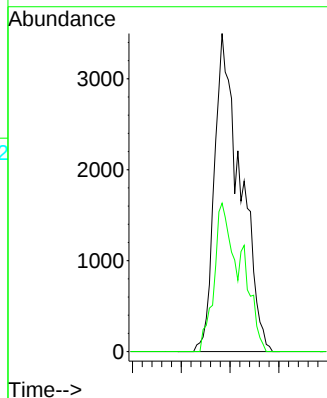
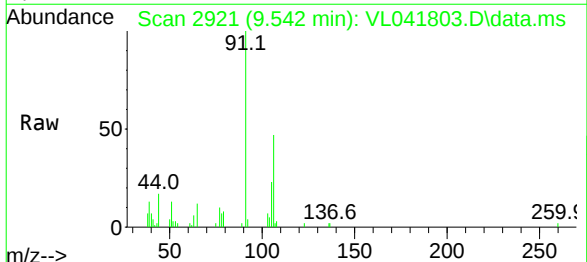
Manual Integrations
APPROVED

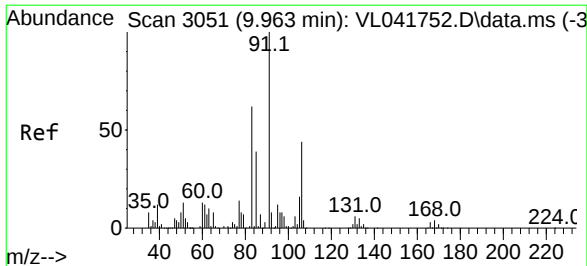
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#59
m/p-Xylene
Concen: 0.271 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. -0.007 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

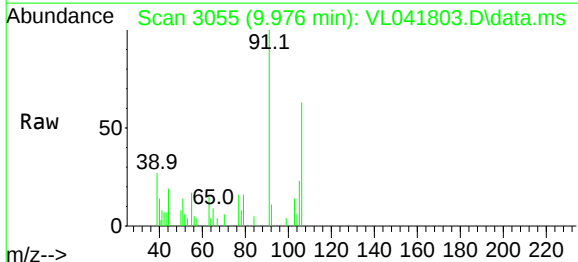
Tgt Ion: 91 Resp: 6469
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#60
o-Xylene
Concen: 0.109 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32

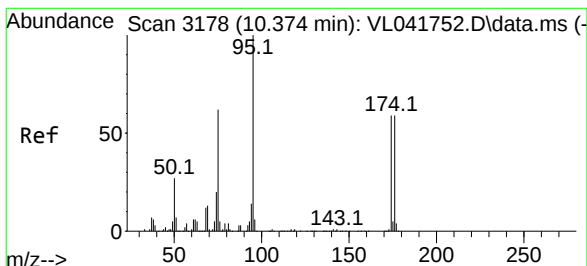
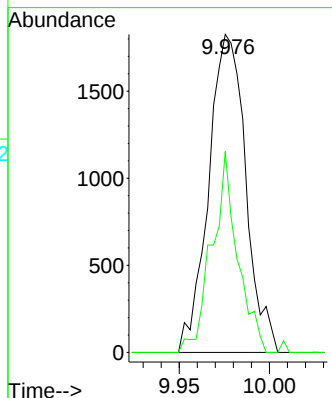
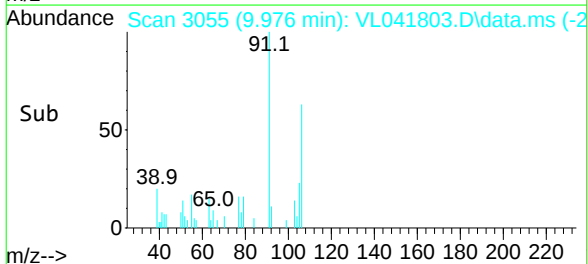
Instrument :
MSVOA_L
ClientSampleId :
C0AB7



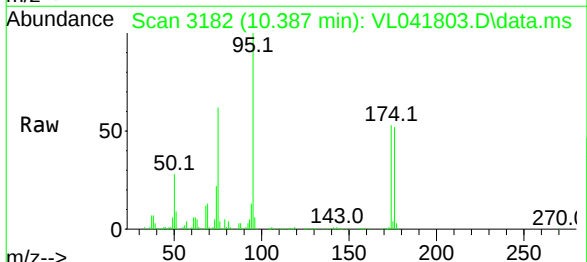
Tgt Ion: 91 Resp: 2612
Ion Ratio Lower Upper
91 100
106 44.4 21.1 63.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.182 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL041803.D
Acq: 18 Dec 2024 20:32



Tgt Ion: 95 Resp: 139994
Ion Ratio Lower Upper
95 100
174 56.8 47.6 71.4
175 4.3 3.7 5.5

