

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041688.D
 Acq On : 7 Nov 2024 21:44
 Operator : SY/MD
 Sample : P4696-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 03:53:57 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	920081	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2493857	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2294846	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1689750	9.993	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	34120	0.205	ppbv	94
3) Chlorodifluoromethane	2.674	51	55510m	0.463	ppbv	
4) Chloromethane	2.812	50	27853	0.439	ppbv	100
9) Propene	2.703	41	38769	0.742	ppbv	86
11) Trichlorofluoromethane	3.558	101	30913	0.213	ppbv	93
13) Ethanol	3.240	45	2619322	818.930	ppbv	99
15) Acetone	3.459	43	2121677	18.737	ppbv	100
19) Isopropyl Alcohol	3.581	45	18570689	343.117	ppbv #	95
20) Methylene Chloride	3.928	84	20096	0.482	ppbv #	91
27) Carbon Disulfide	4.121	76	22947	0.227	ppbv #	71
29) Chloroform	5.266	83	48363	0.325	ppbv	95
34) 2-Butanone	4.783	43	50932	0.410	ppbv	94
35) Carbon Tetrachloride	6.481	117	9206m	0.070	ppbv	
36) Benzene	6.359	78	20597m	0.111	ppbv	
41) Tetrahydrofuran	5.565	42	11019m	0.155	ppbv	
53) Toluene	9.208	91	141574	0.729	ppbv	97
59) m/p-Xylene	12.339	91	26907m	0.119	ppbv	
60) o-Xylene	13.053	91	26641m	0.124	ppbv	
64) n-propylbenzene	14.905	120	18127m	0.209	ppbv	
72) 4-Ethyltoluene	15.182	105	115840	0.464	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.339	105	78872m	0.360	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	306589	1.204	ppbv #	66

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

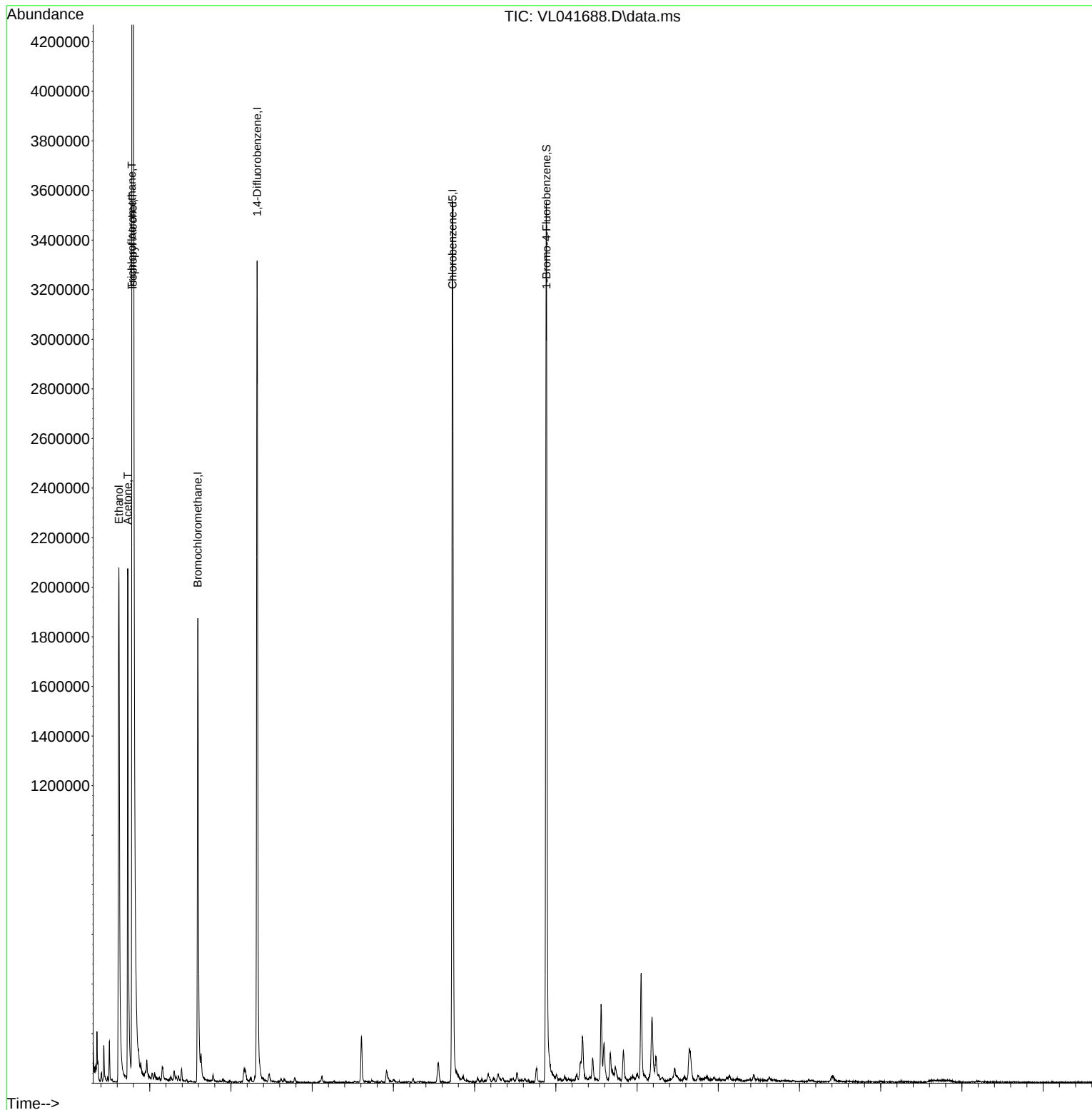
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041688.D
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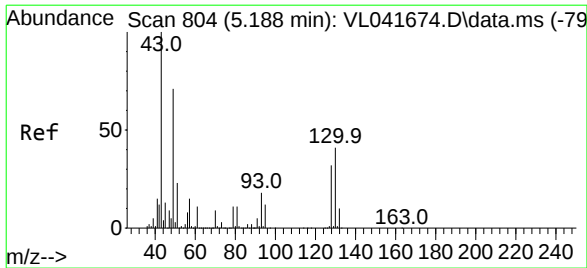
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 08 03:53:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration

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APPROVED

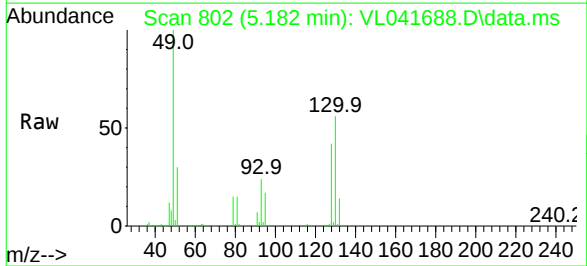
Reviewed By : Mahesh Dadoda 11/09/2024
Supervised By : Semsettin Yesilyurt 11/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 804
Delta R.T. -0.006 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

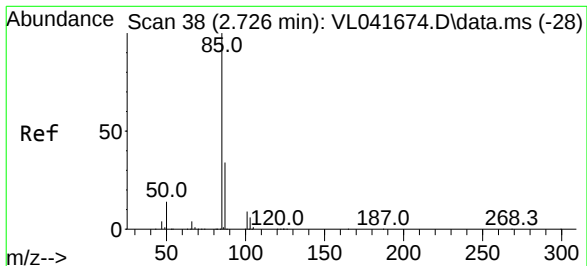
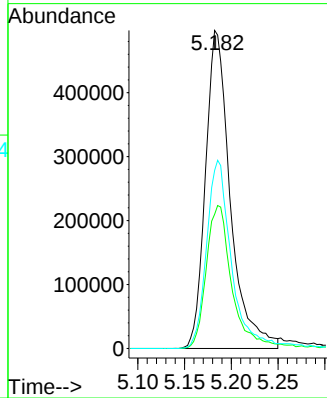
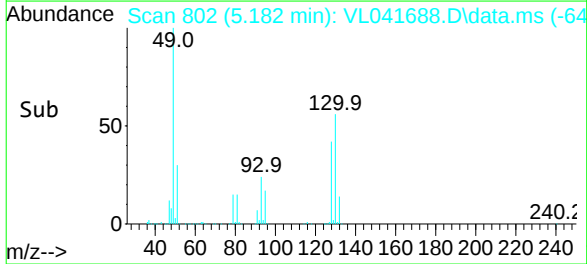
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 920081
Ion Ratio Lower Upper
49 100
128 47.7 23.8 71.2
130 61.0 30.1 90.5

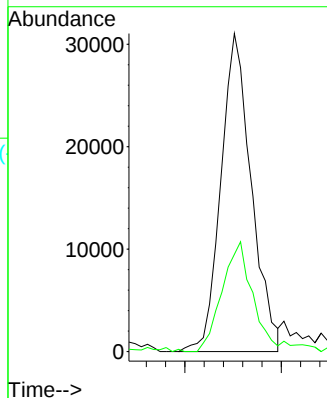
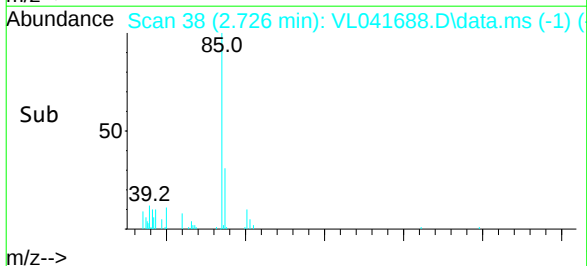
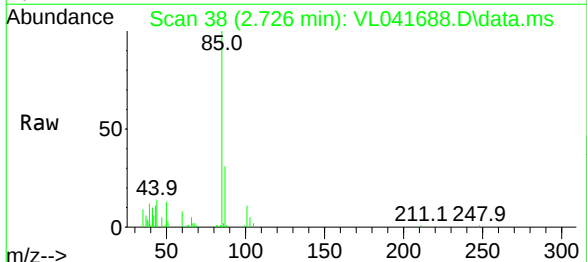
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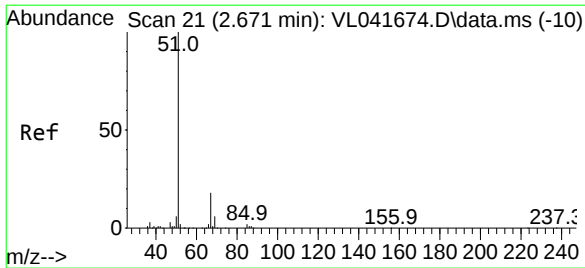
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 0.205 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

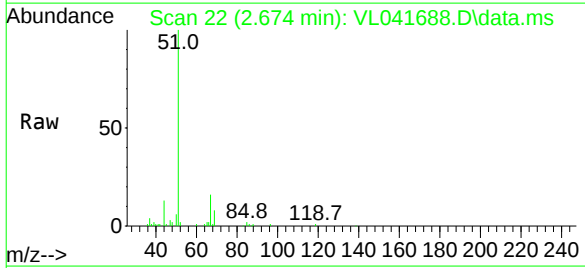
Tgt Ion: 85 Resp: 34120
Ion Ratio Lower Upper
85 100
87 29.8 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.463 ppbv m
RT: 2.674 min Scan# 22
Delta R.T. 0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

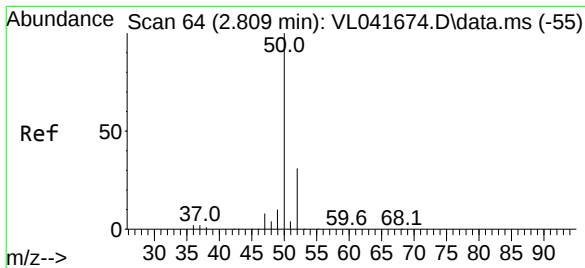
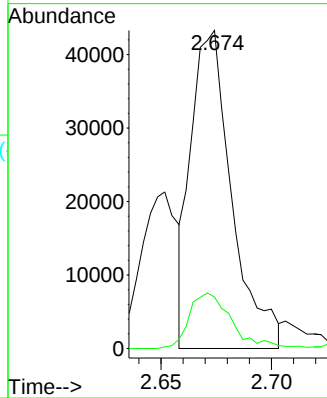
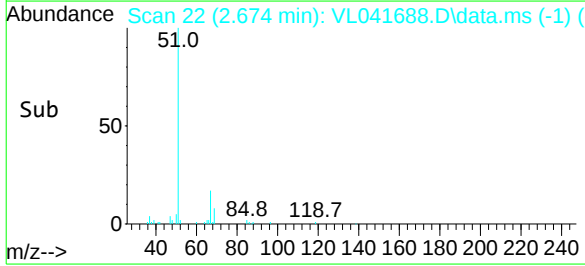
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 55510
Ion Ratio Lower Upper
51 100
67 18.8 13.9 20.9

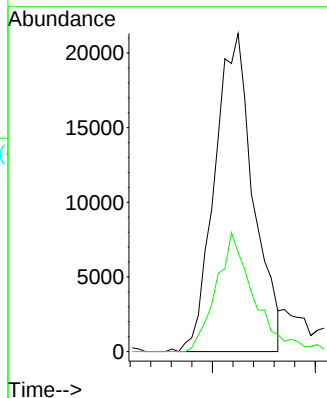
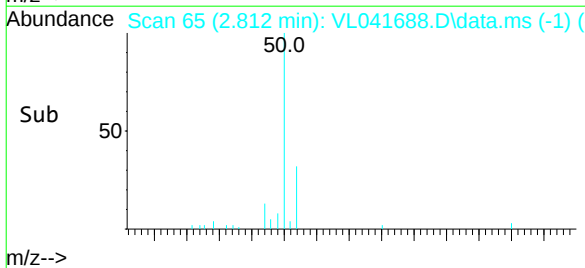
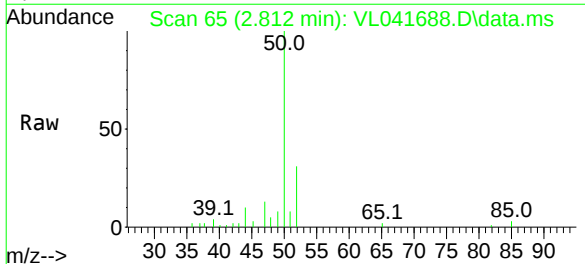
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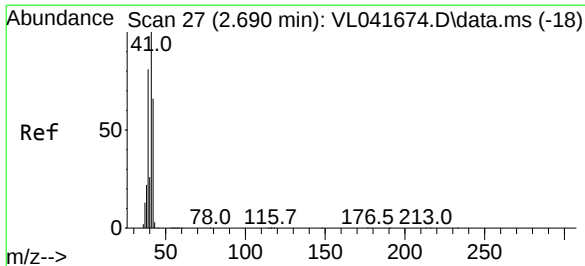
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 0.439 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Tgt Ion: 50 Resp: 27853
Ion Ratio Lower Upper
50 100
52 31.2 24.9 37.3





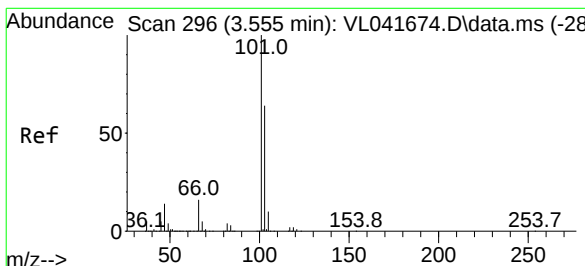
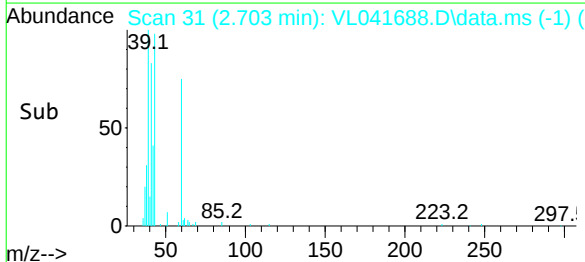
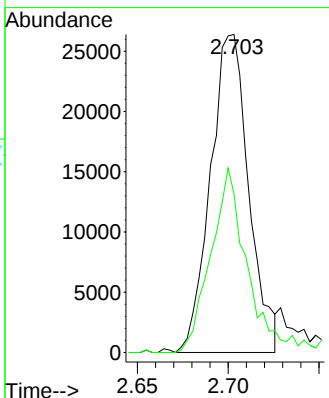
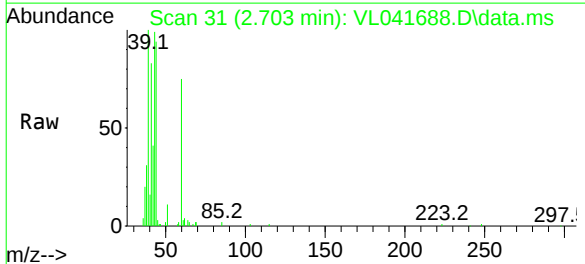
#9
Propene
Concen: 0.742 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 38769
Ion Ratio Lower Upper
41 100
42 57.4 55.0 82.4

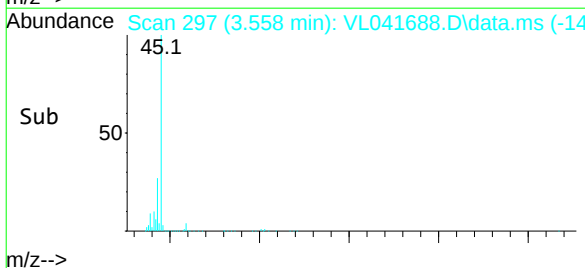
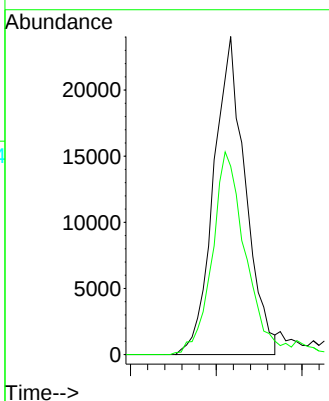
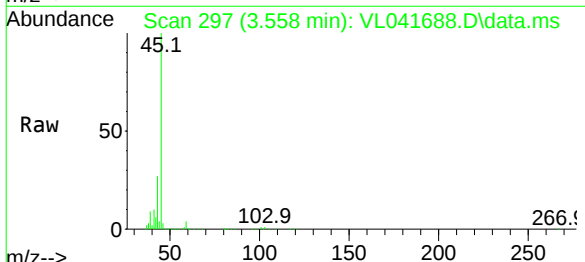
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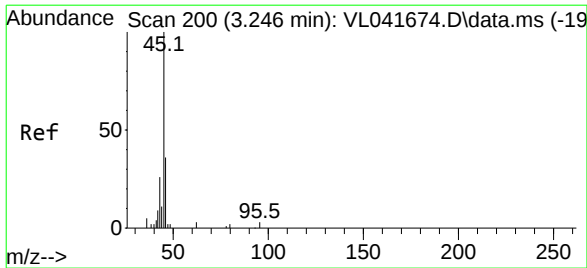
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 3.558 min Scan# 297
Delta R.T. 0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

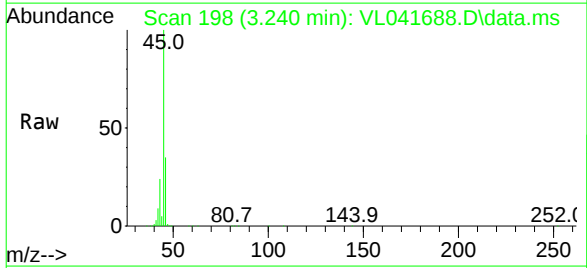
Tgt Ion:101 Resp: 30913
Ion Ratio Lower Upper
101 100
103 58.6 51.0 76.6





#13
Ethanol
Concen: 818.930 ppbv
RT: 3.240 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

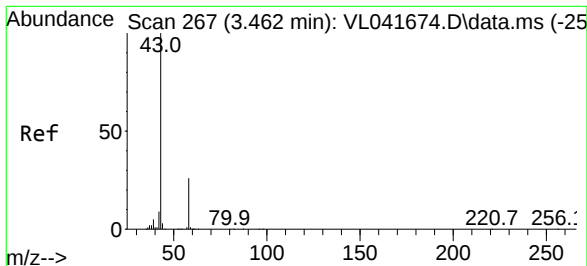
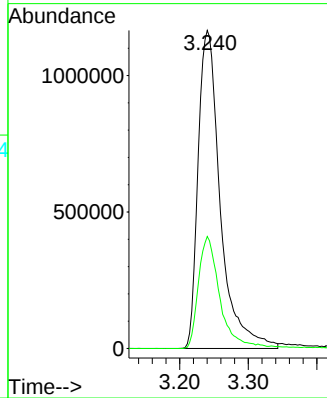
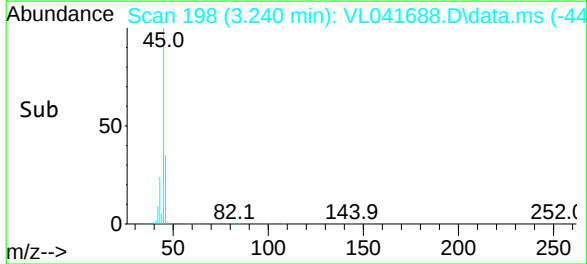
Instrument :
MSVOA_L
ClientSampleId :
IA1



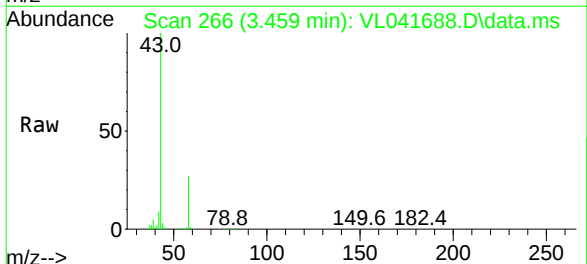
Tgt Ion: 45 Resp: 2619322
Ion Ratio Lower Upper
45 100
46 35.0 13.8 55.2

Manual Integrations
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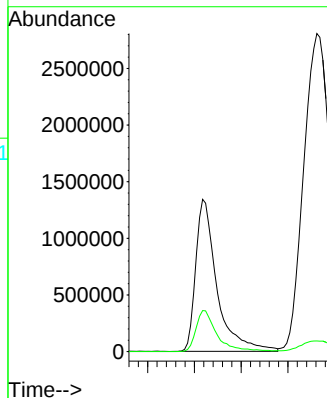
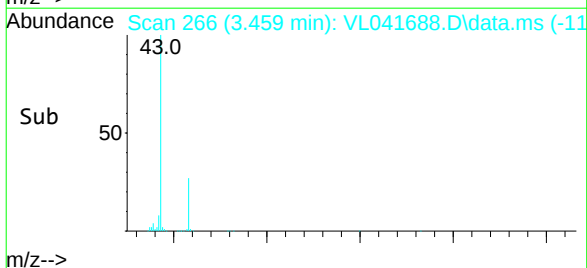
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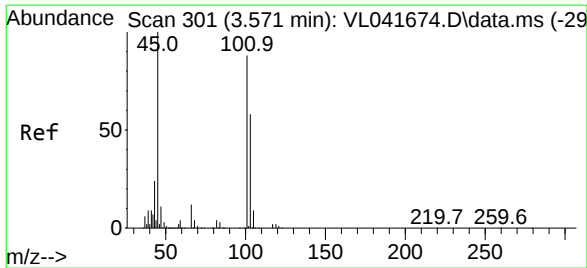


#15
Acetone
Concen: 18.737 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44



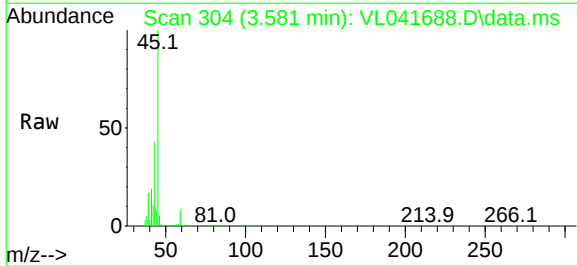
Tgt Ion: 43 Resp: 2121677
Ion Ratio Lower Upper
43 100
58 26.7 21.4 32.0





#19
Isopropyl Alcohol
Concen: 343.117 ppbv
RT: 3.581 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

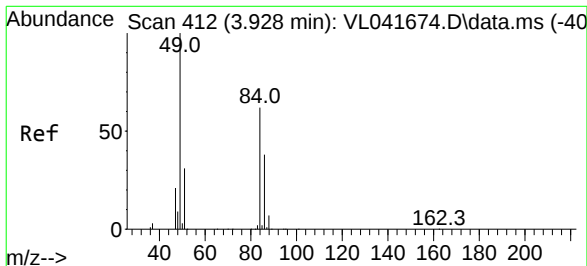
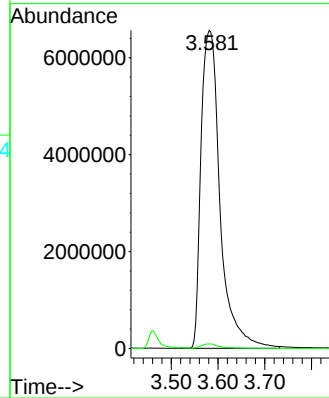
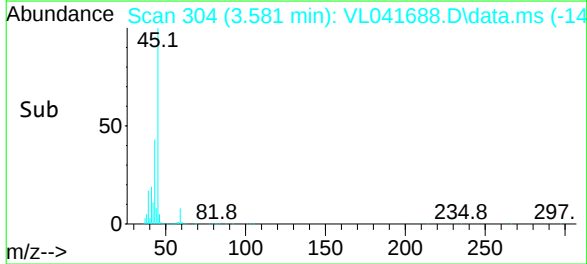
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp:18570689
Ion Ratio Lower Upper
45 100
58 1.5 2.5 3.7#

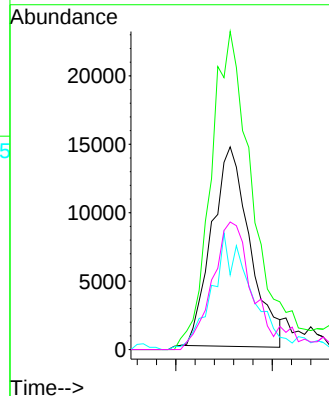
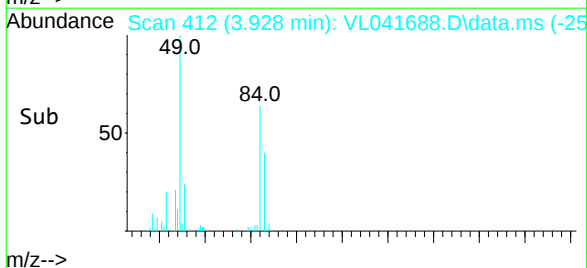
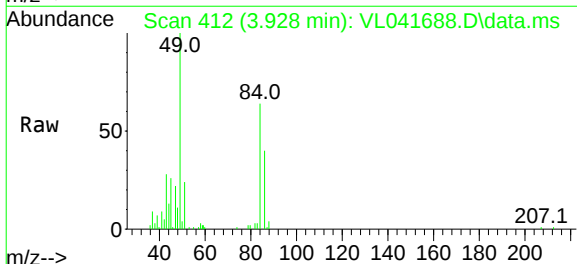
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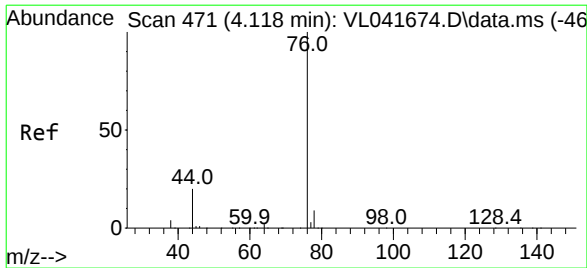
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#20
Methylene Chloride
Concen: 0.482 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

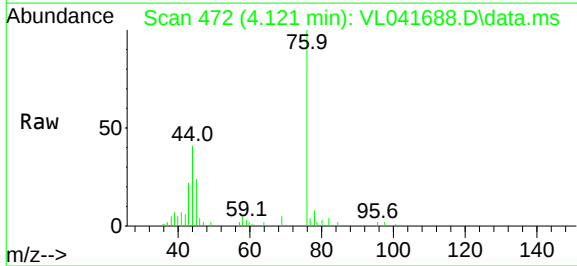
Tgt Ion: 84 Resp: 20096
Ion Ratio Lower Upper
84 100
49 152.1 129.7 194.5
51 36.1 39.8 59.6#
86 63.1 49.1 73.7





#27
Carbon Disulfide
Concen: 0.227 ppbv
RT: 4.121 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

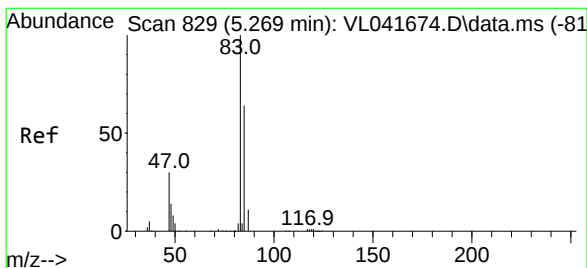
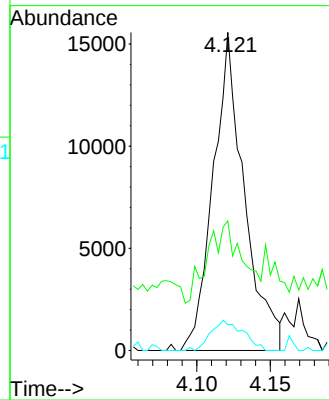
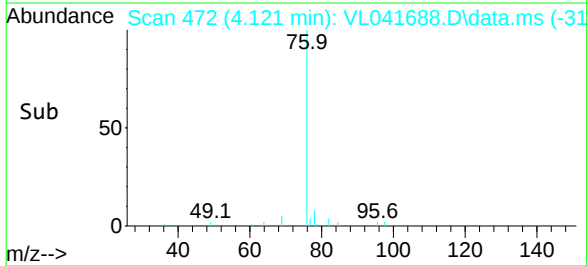
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 76 Resp: 22947
Ion Ratio Lower Upper
76 100
44 39.3 15.8 23.8#
78 9.8 7.5 11.3

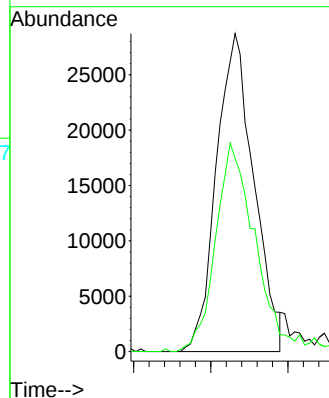
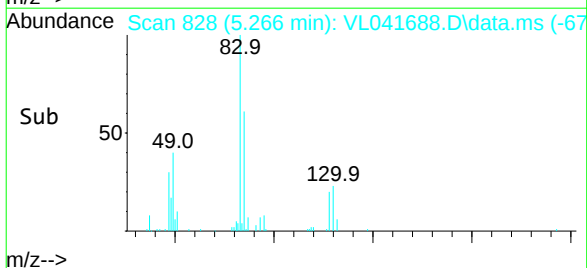
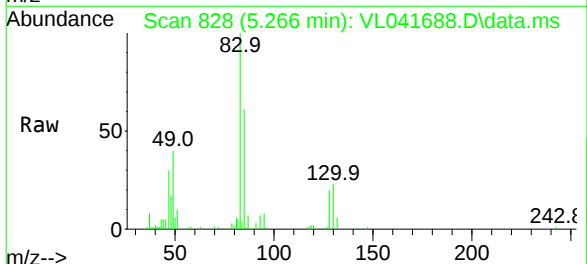
Manual Integrations
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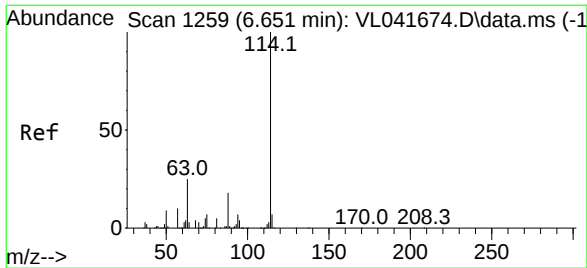
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#29
Chloroform
Concen: 0.325 ppbv
RT: 5.266 min Scan# 828
Delta R.T. -0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Tgt Ion: 83 Resp: 48363
Ion Ratio Lower Upper
83 100
85 60.1 51.1 76.7





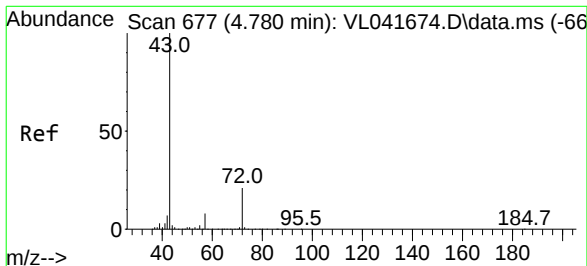
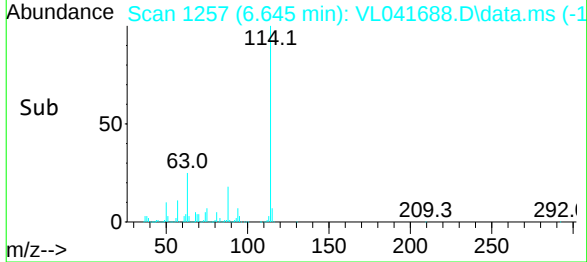
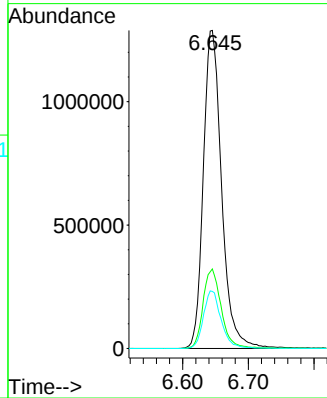
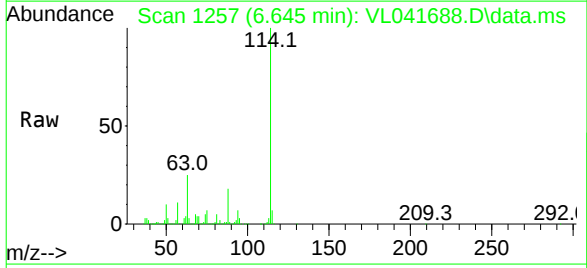
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 114 Resp: 2493857
Ion Ratio Lower Upper
114 100
63 24.9 20.3 30.5
88 17.6 14.2 21.4

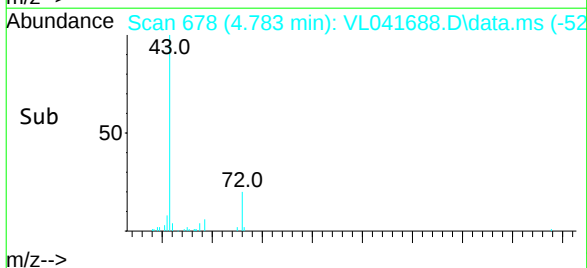
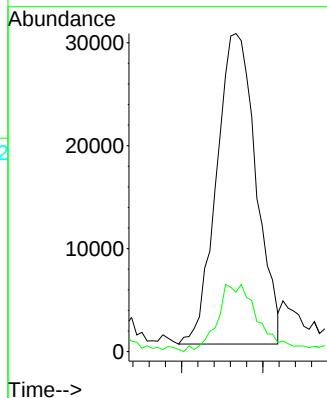
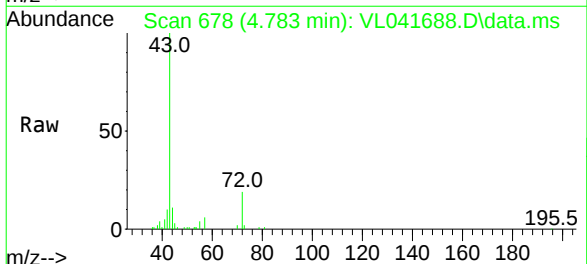
Manual Integrations
APPROVED

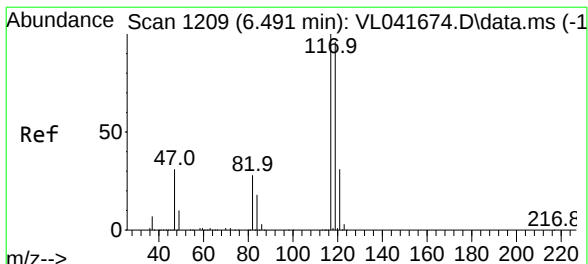
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#34
2-Butanone
Concen: 0.410 ppbv
RT: 4.783 min Scan# 678
Delta R.T. 0.003 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Tgt Ion: 43 Resp: 50932
Ion Ratio Lower Upper
43 100
72 24.7 17.4 26.0





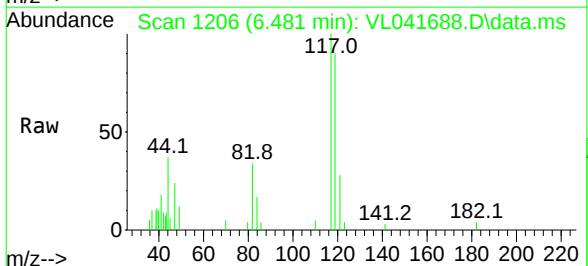
#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.481 min Scan# 1206
Delta R.T. -0.010 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Instrument :

MSVOA_L

ClientSampleId :

IA1

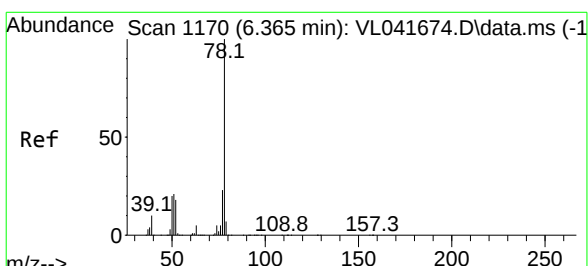
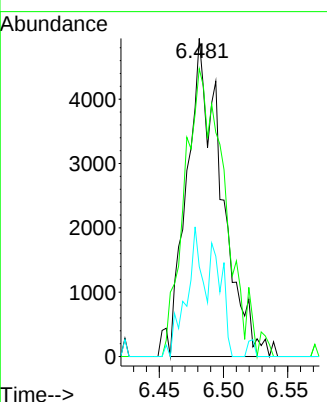
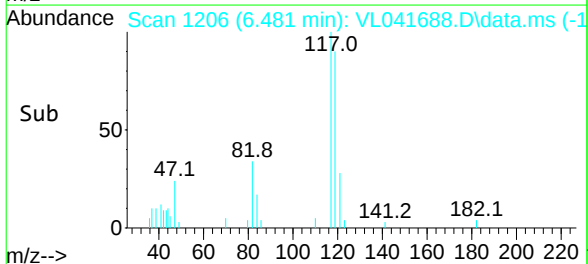


Tgt Ion: 117 Resp: 9206

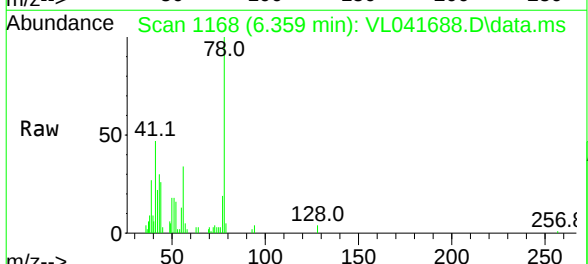
Ion	Ratio	Lower	Upper
117	100		
119	90.5	77.2	115.8
121	28.3	25.0	37.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

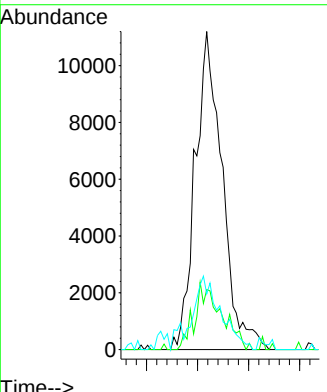
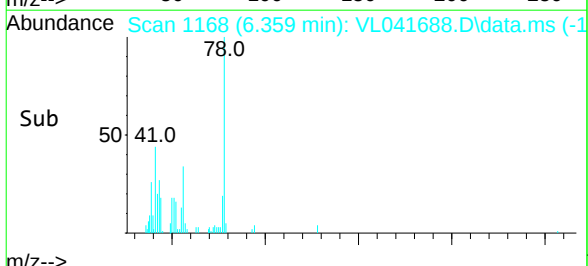


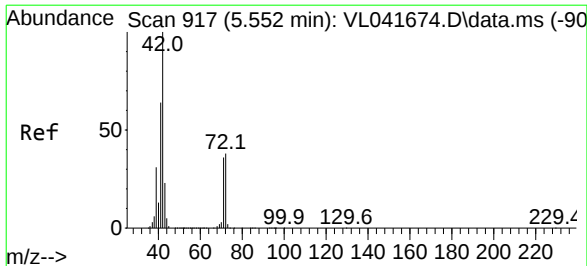
#36
Benzene
Concen: 0.111 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44



Tgt Ion: 78 Resp: 20597

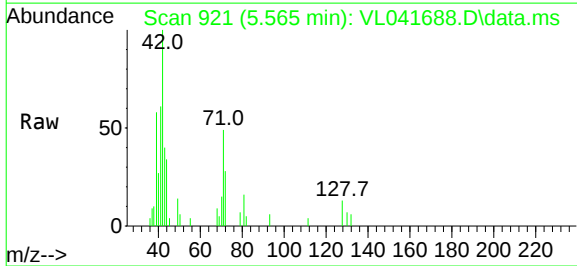
Ion	Ratio	Lower	Upper
78	100		
77	18.9	18.5	27.7
50	17.5	15.6	23.4





#41
Tetrahydrofuran
Concen: 0.155 ppbv m
RT: 5.565 min Scan# 92
Delta R.T. 0.013 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

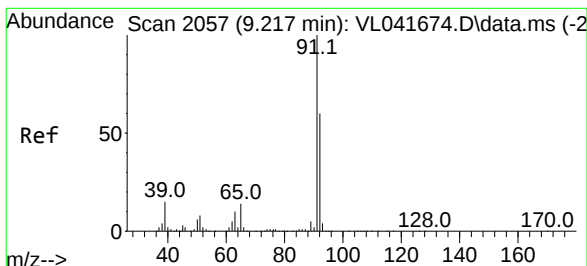
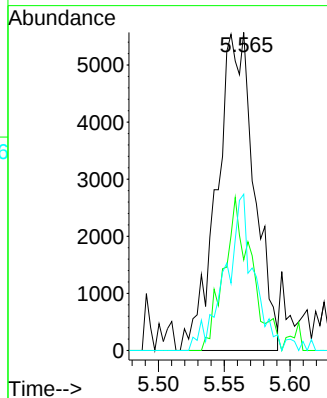
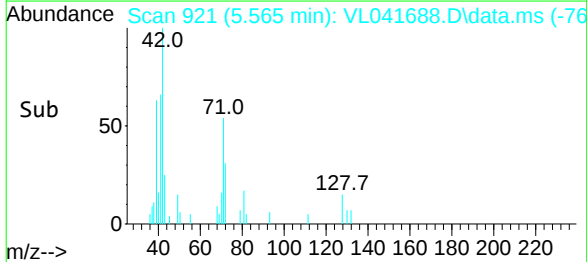
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 42 Resp: 11019
Ion Ratio Lower Upper
42 100
72 38.0 29.8 44.6
71 0.0 29.4 44.2#

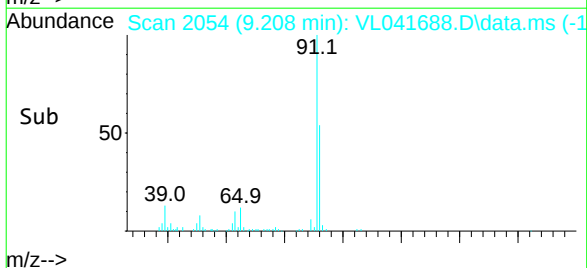
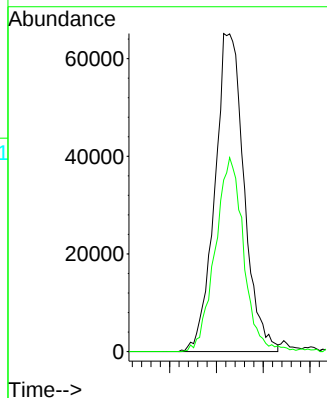
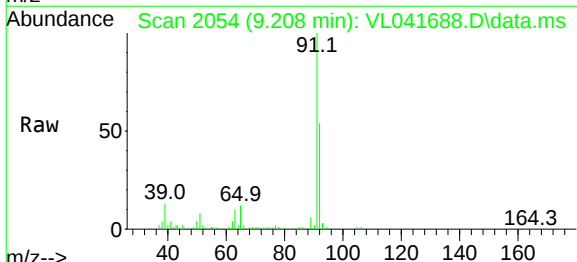
Manual Integrations
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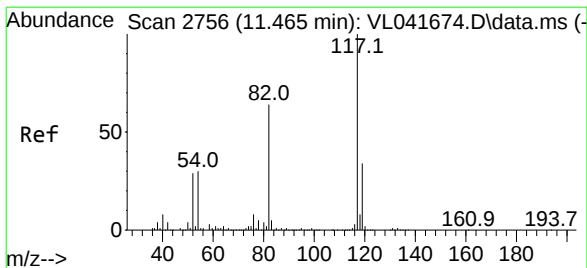
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#53
Toluene
Concen: 0.729 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. -0.010 min
Lab File: VL041688.D
Acq: 7 Nov 2024 21:44

Tgt Ion: 91 Resp: 141574
Ion Ratio Lower Upper
91 100
92 59.2 49.0 73.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 27

Delta R.T. -0.010 min

Lab File: VL041688.D

Acq: 7 Nov 2024 21:44

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:117 Resp: 2294846

Ion Ratio Lower Upper

117 100

82 64.1 49.8 74.8

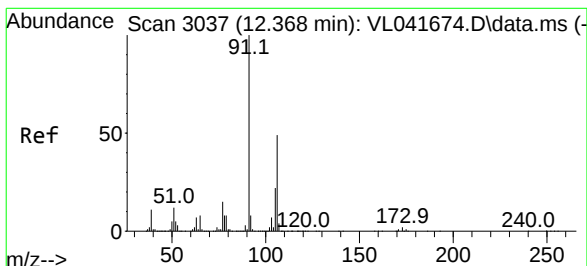
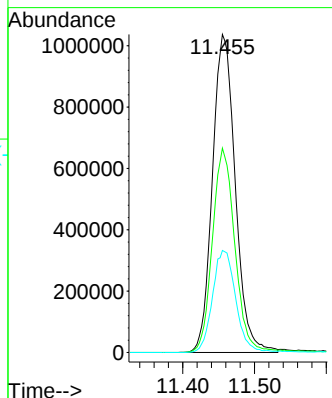
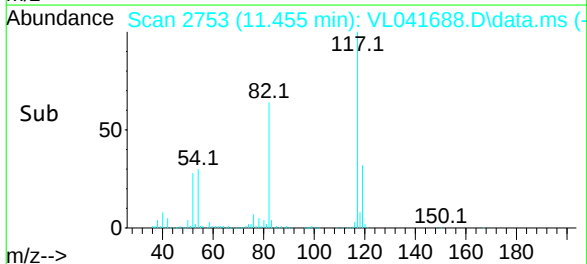
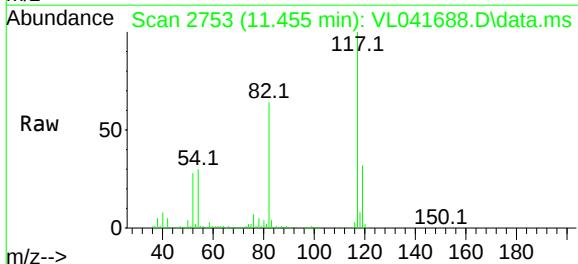
119 32.8 24.2 36.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#59

m/p-Xylene

Concen: 0.119 ppbv m

RT: 12.339 min Scan# 3028

Delta R.T. -0.029 min

Lab File: VL041688.D

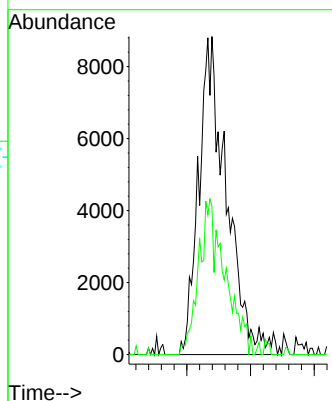
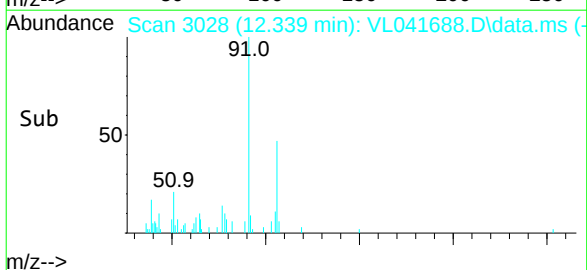
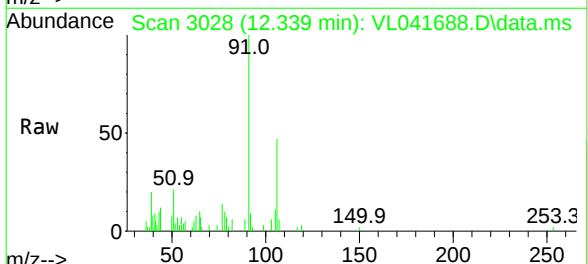
Acq: 7 Nov 2024 21:44

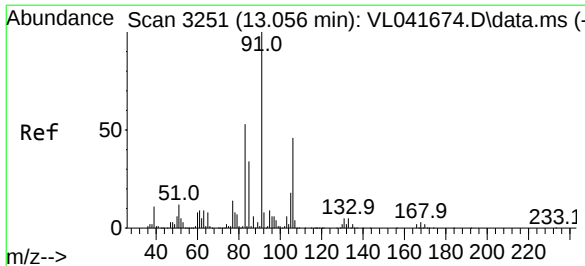
Tgt Ion: 91 Resp: 26907

Ion Ratio Lower Upper

91 100

106 0.0 36.9 55.3#





#60

o-Xylene

Concen: 0.124 ppbv m

RT: 13.053 min Scan# 32

Delta R.T. -0.003 min

Lab File: VL041688.D

Acq: 7 Nov 2024 21:44

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 26641

Ion Ratio Lower Upper

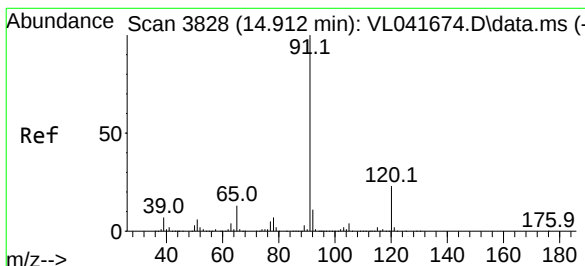
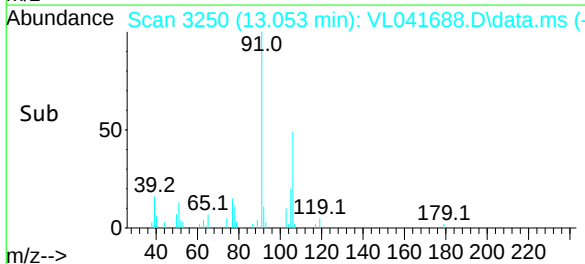
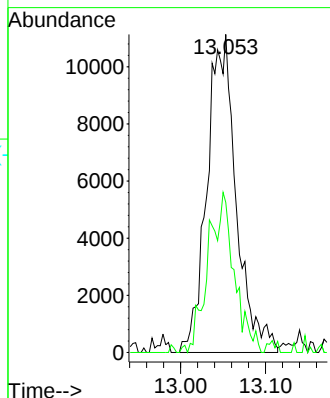
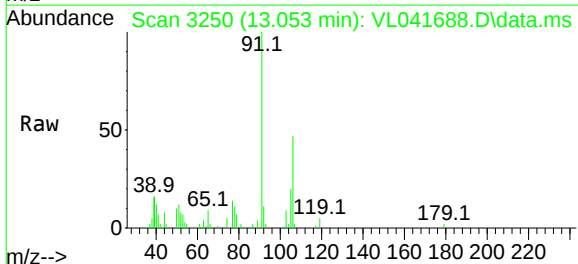
91 100

106 0.0 23.2 69.6#

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#64

n-propylbenzene

Concen: 0.209 ppbv m

RT: 14.905 min Scan# 3826

Delta R.T. -0.006 min

Lab File: VL041688.D

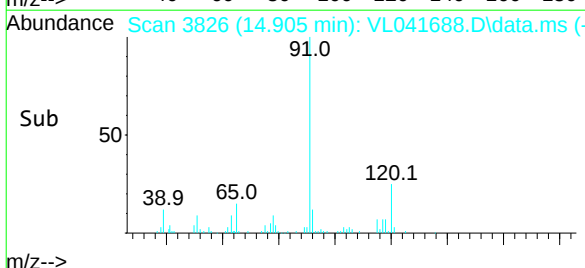
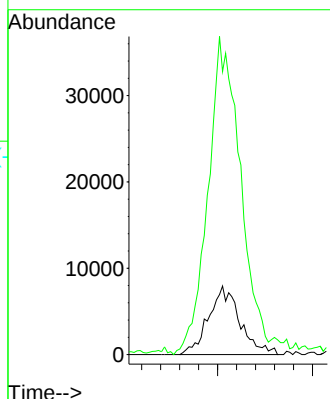
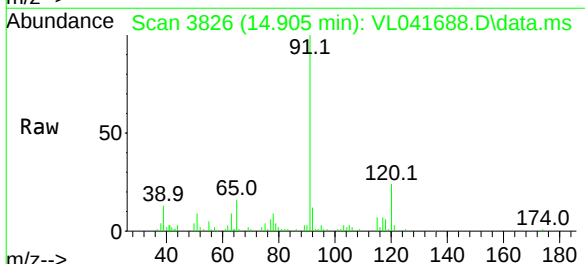
Acq: 7 Nov 2024 21:44

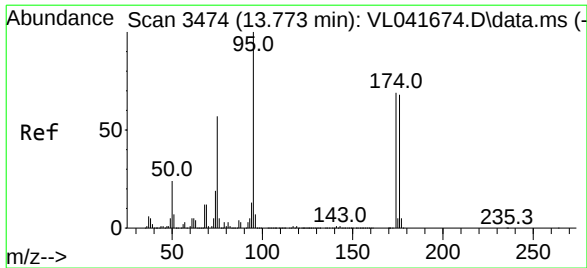
Tgt Ion:120 Resp: 18127

Ion Ratio Lower Upper

120 100

91 498.5 362.4 543.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.993 ppbv

RT: 13.767 min Scan# 3474

Delta R.T. -0.006 min

Lab File: VL041688.D

Acq: 7 Nov 2024 21:44

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 95 Resp: 1689750

Ion Ratio Lower Upper

95 100

174 70.2 55.6 83.4

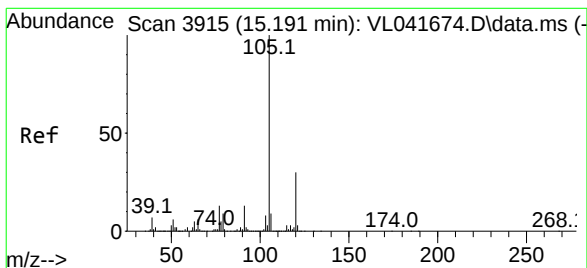
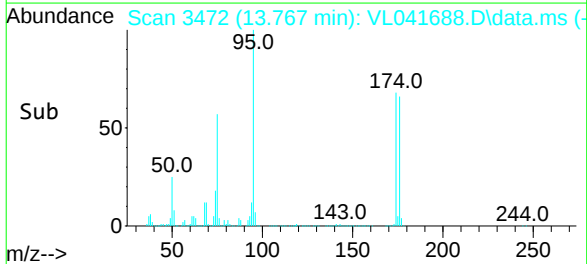
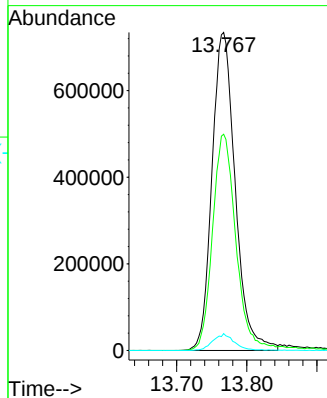
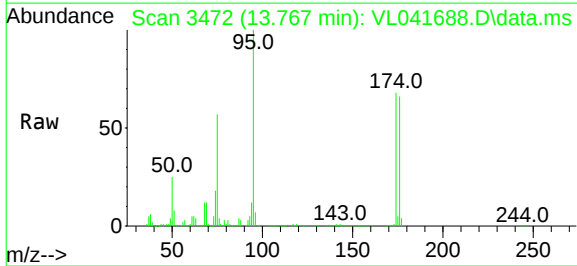
175 5.0 4.2 6.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#72

4-Ethyltoluene

Concen: 0.464 ppbv

RT: 15.182 min Scan# 3912

Delta R.T. -0.010 min

Lab File: VL041688.D

Acq: 7 Nov 2024 21:44

Tgt Ion:105 Resp: 115840

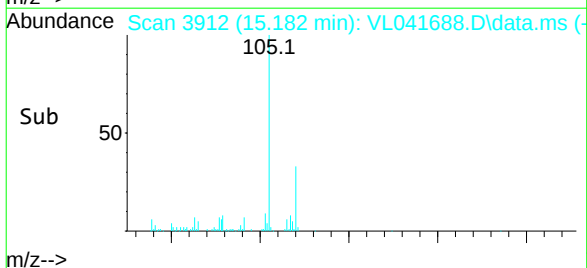
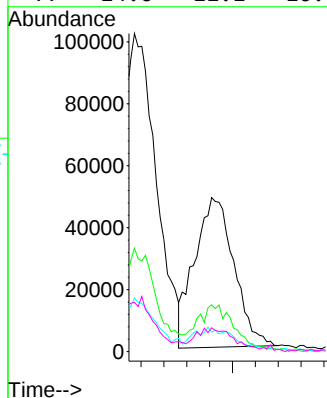
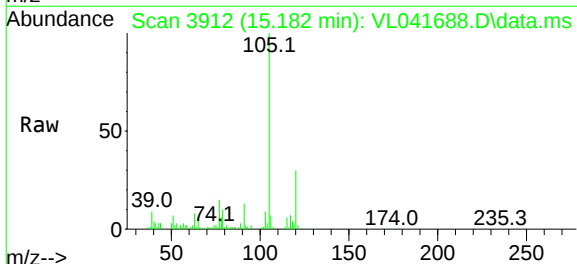
Ion Ratio Lower Upper

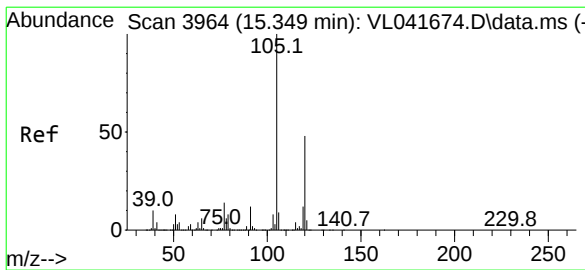
105 100

120 31.6 25.0 37.4

91 16.3 10.6 15.8#

77 14.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.360 ppbv m

RT: 15.339 min Scan# 39

Delta R.T. -0.010 min

Lab File: VL041688.D

Acq: 7 Nov 2024 21:44

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:105 Resp: 78872

Ion Ratio Lower Upper

105 100

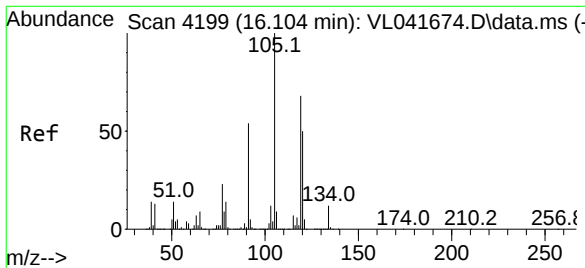
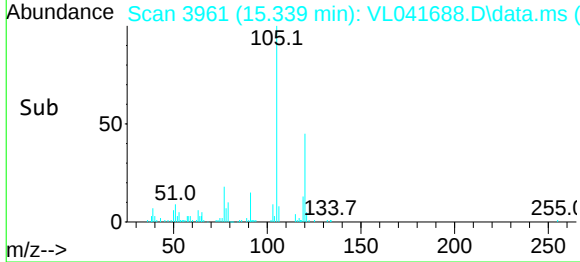
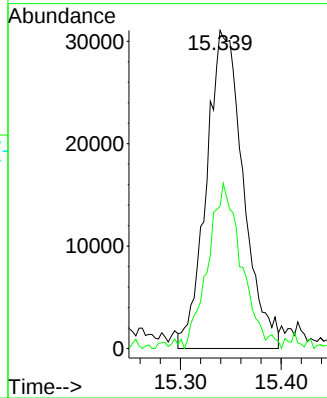
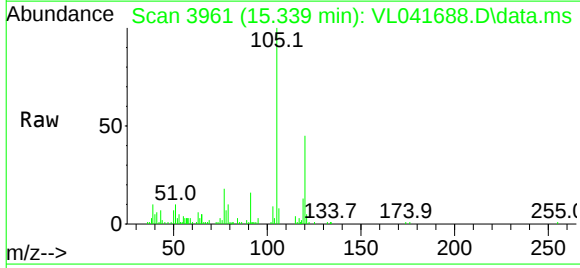
120 44.8 38.4 57.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 1.204 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.006 min

Lab File: VL041688.D

Acq: 7 Nov 2024 21:44

Tgt Ion:105 Resp: 306589

Ion Ratio Lower Upper

105 100

120 40.7 39.8 59.8

91 11.0 43.2 64.8#

77 13.9 18.5 27.7#

