

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036804.D
 Acq On : 13 Apr 2021 15:40
 Operator : SY/AP
 Sample : M2018-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SG4DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2021
 Supervised By : Mahesh Dadoda 04/14/2021

Quant Time: Apr 14 09:43:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1347165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3282266	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2691027	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1883871	8.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	67512	0.841	ppbv #	78
10) Heptane	8.12	43	108361m	0.530	ppbv	
13) Ethanol	3.62	45	37877m	3.964	ppbv	
15) Acetone	3.85	43	1355216	10.221	ppbv	98
19) Isopropyl Alcohol	3.99	45	93839m	1.287	ppbv	
20) Methylene Chloride	4.35	84	134423	2.165	ppbv	95
26) Hexane	5.68	57	89308	0.611	ppbv #	45
27) Carbon Disulfide	4.55	76	33041	0.229	ppbv #	59
53) Toluene	9.81	91	77515	0.240	ppbv	96
59) m/p-Xylene	12.96	91	89875m	0.263	ppbv	
61) Styrene	13.54	104	27890m	0.168	ppbv	
62) Isopropylbenzene	14.67	105	874980	1.968	ppbv	100

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

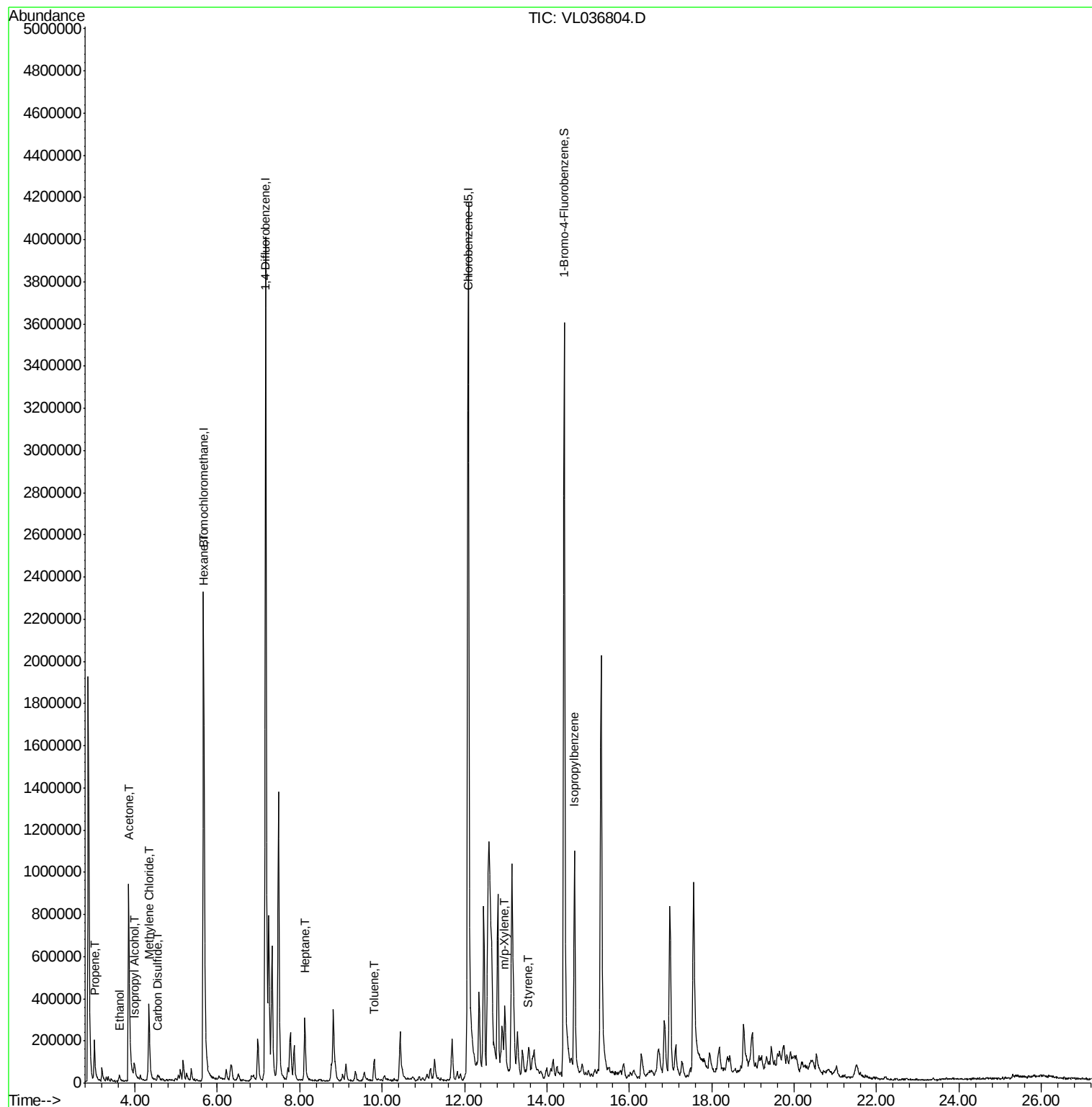
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041321\
Data File : VL036804.D
Acq On : 13 Apr 2021 15:40
Operator : SY/AP
Sample : M2018-04DL 10X
Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :
SG4DL

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Quant Time: Apr 14 09:43:59 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 04/14/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: SG4DL

Acq: 13 Apr 2021 15:40

Tot Ion:

Ion Ratio

49 100

128 46.

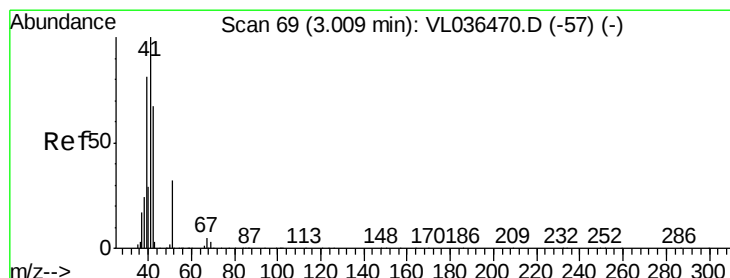
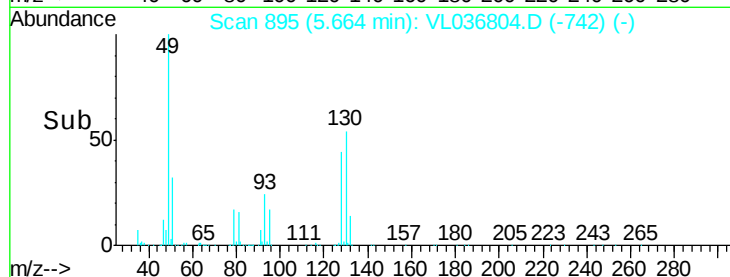
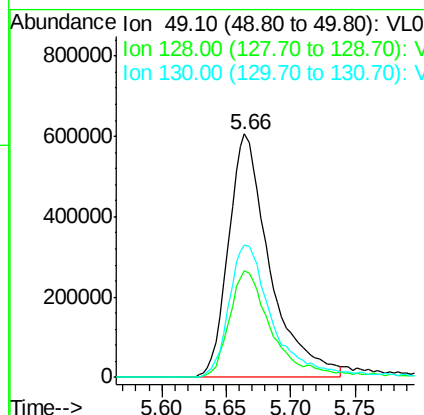
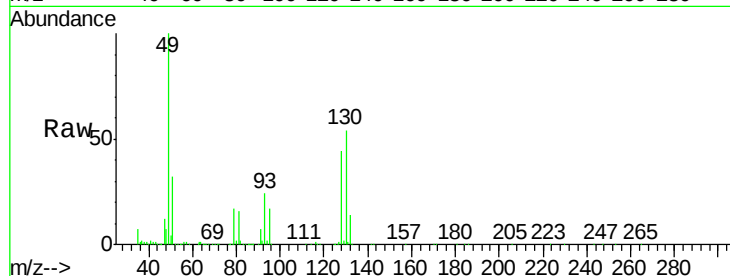
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#9

Propene

Concen: 0.841 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036804.D

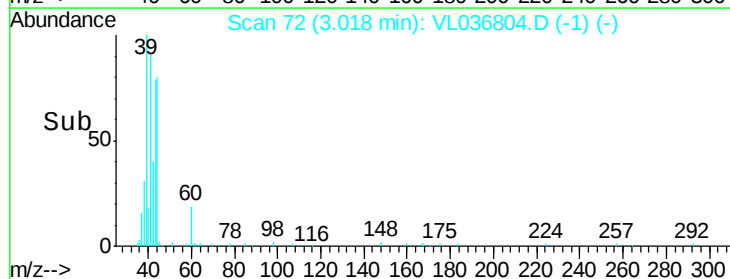
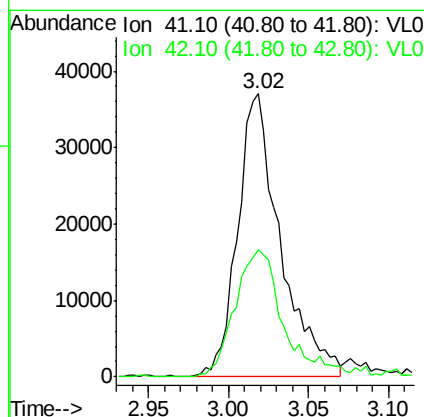
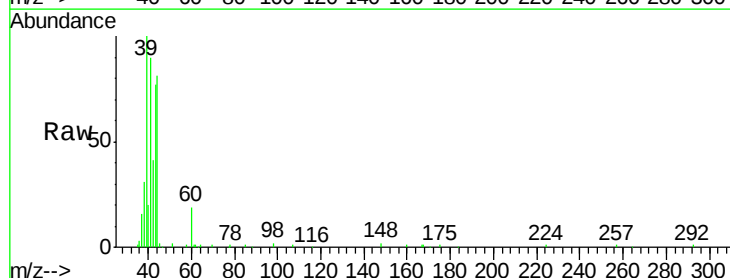
Acq: 13 Apr 2021 15:40

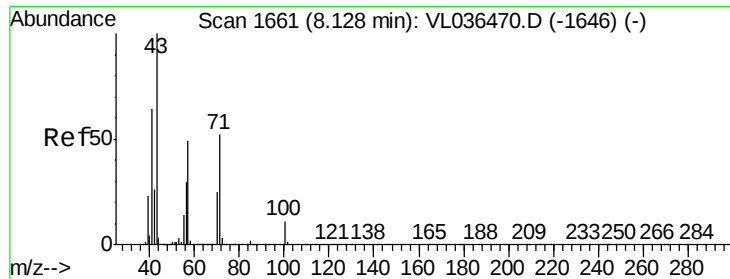
Tgt Ion: 41 Resp: 67512

Ion Ratio Lower Upper

41 100

42 53.0 57.0 85.4#





#10

Heptane

Concen: 0.530 ppbv m

RT: 8.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 15:40

Tot Ion:

Ion Ratio

43 100

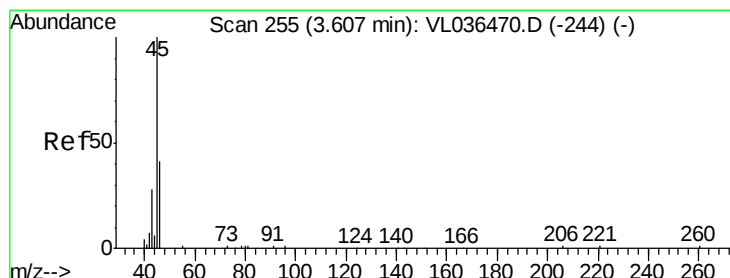
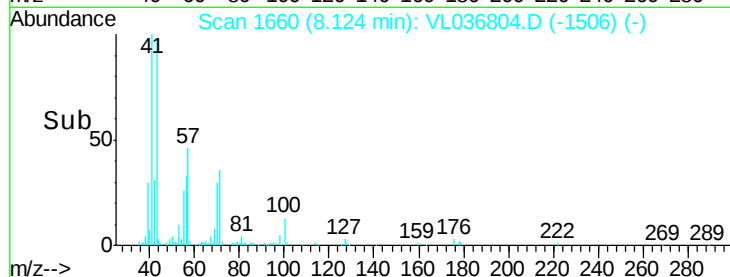
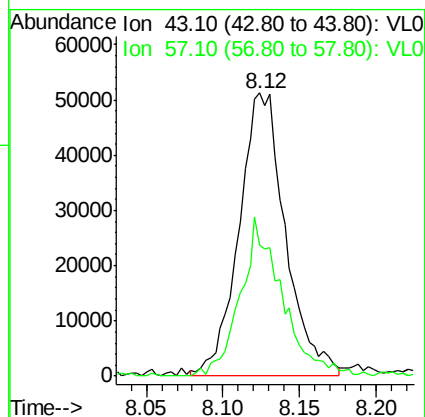
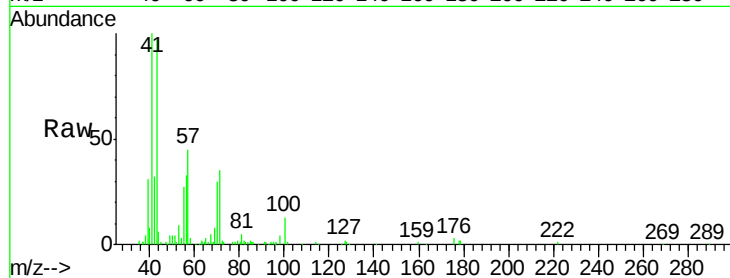
57 50.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#13

Ethanol

Concen: 3.964 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036804.D

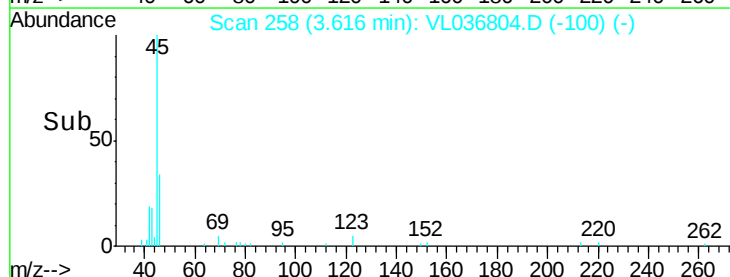
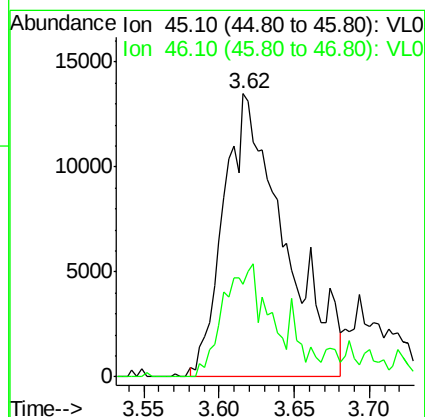
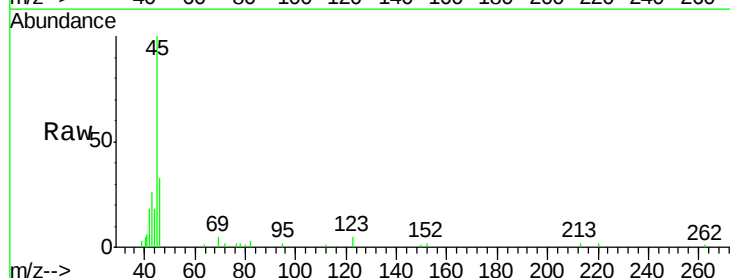
Acq: 13 Apr 2021 15:40

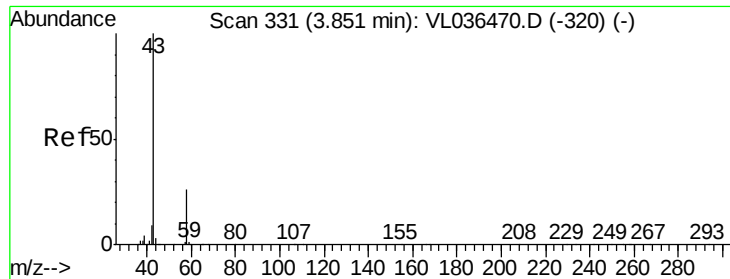
Tgt Ion: 45 Resp: 37877

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#





#15

Acetone

Concen: 10.221 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 15:40

Tot Ion:

Ion Ratio

43 100

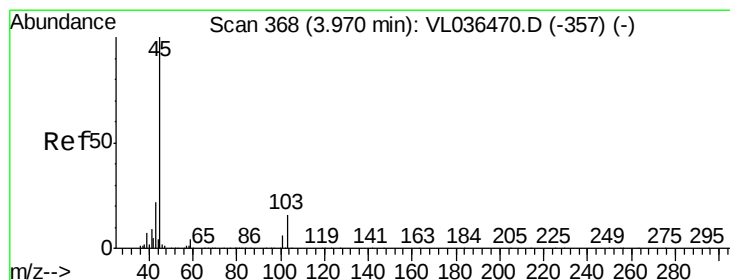
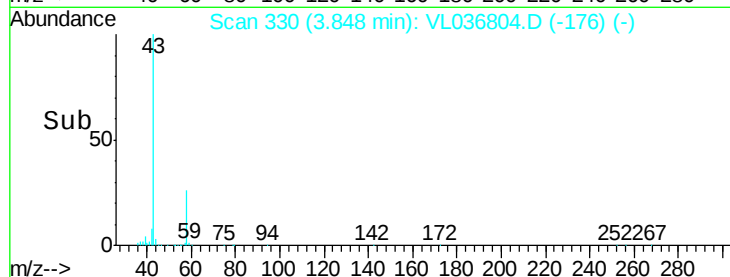
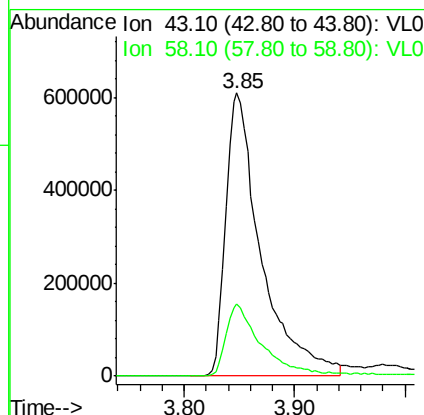
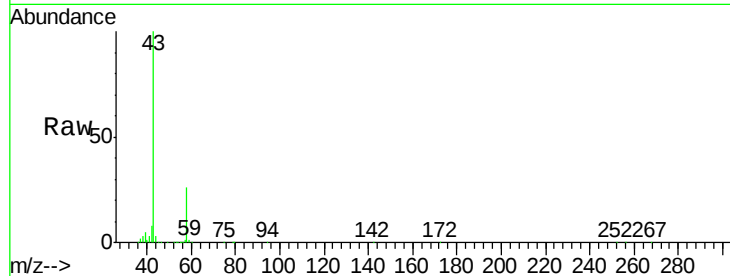
58 27.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#19

Isopropyl Alcohol

Concen: 1.287 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL036804.D

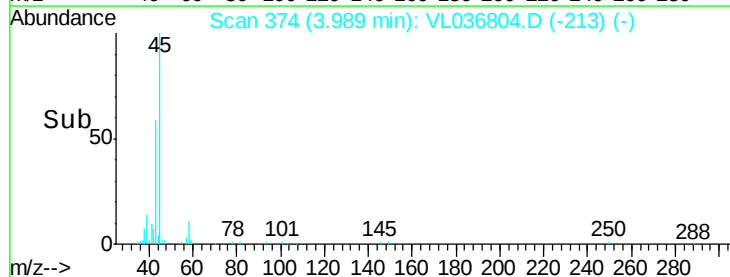
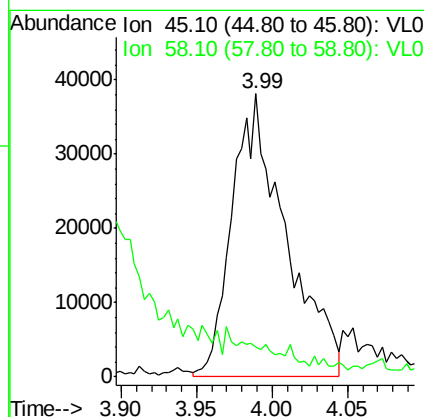
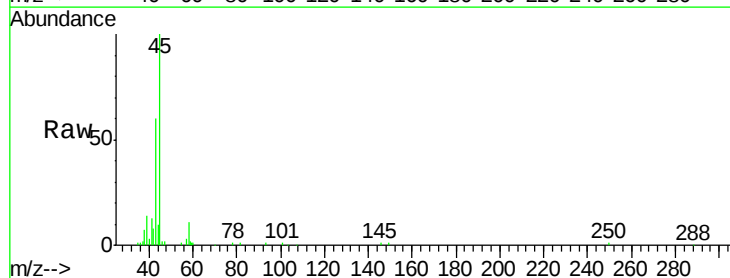
Acq: 13 Apr 2021 15:40

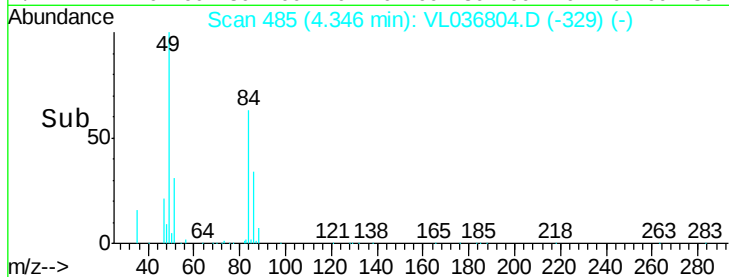
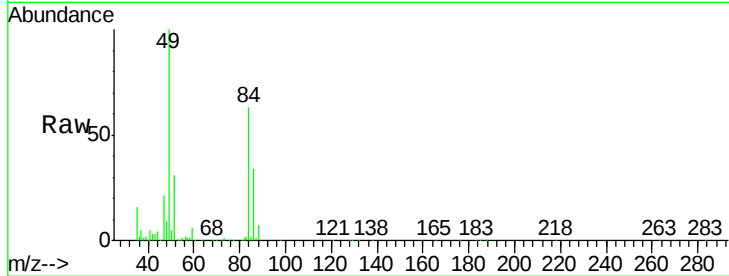
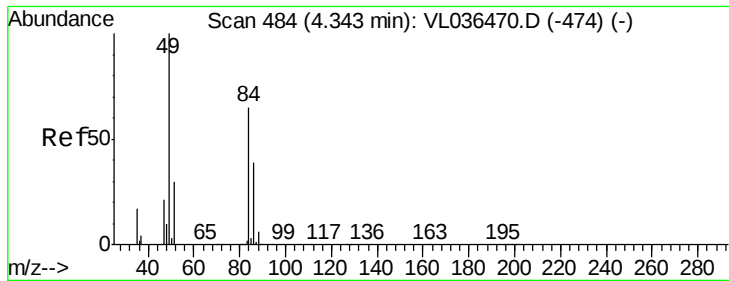
Tgt Ion: 45 Resp: 93839

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



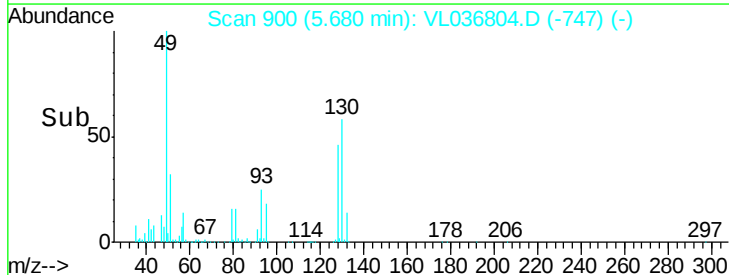
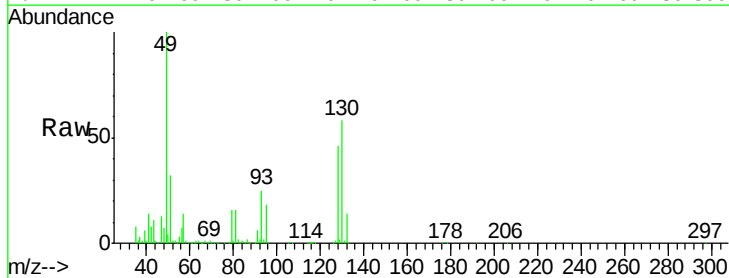
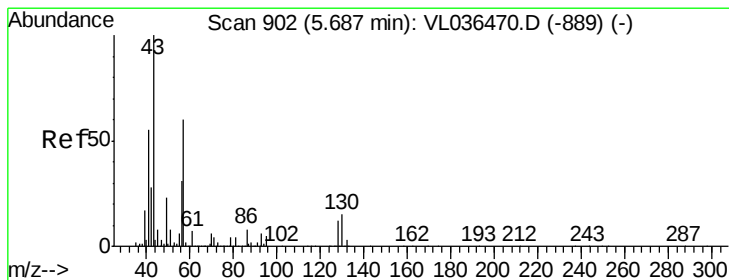
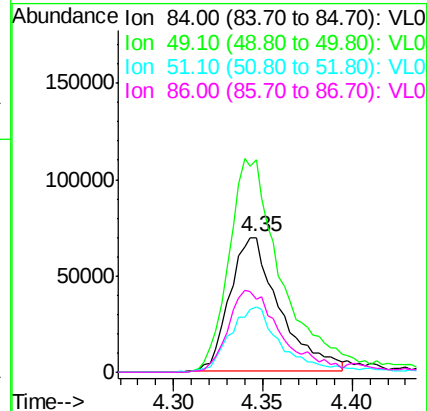


#20
Methvlene Chloride
Concen: 2.165 ppbv
RT: 4.35
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : SG4DL
Acq: 13 Apr 2021 15:40

Tot Ion:
Ion Ratio
84 100
49 158.
51 48.
86 53.8 48.2 72.4

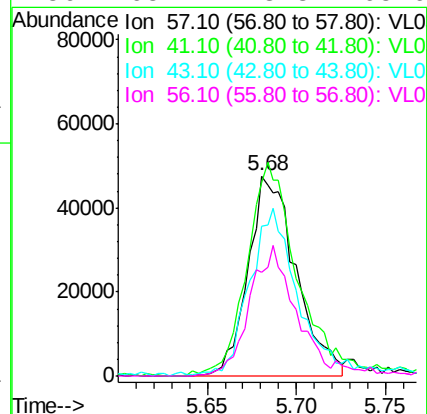
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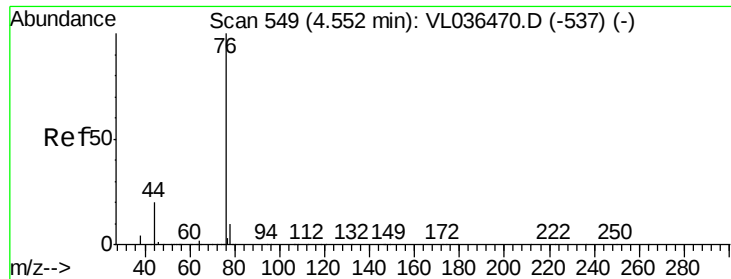
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#26
Hexane
Concen: 0.611 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 57 Resp: 89308
Ion Ratio Lower Upper
57 100
41 119.0 77.2 115.8#
43 91.3 173.8 260.6#
56 65.1 43.8 65.6





#27

Carbon Disulfide

Concen: 0.229 ppbv

RT: 4.55 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: SG4DL

Acq: 13 Apr 2021 15:40

Tot Ion:

Ion Ratio

76 100

44 50.

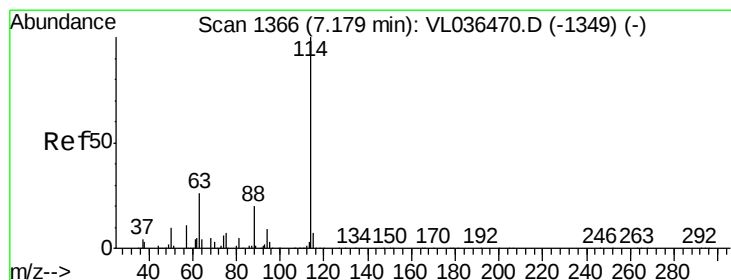
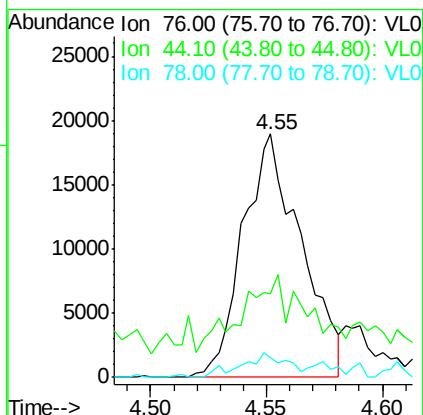
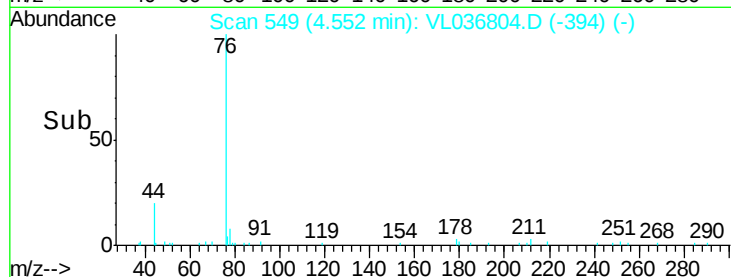
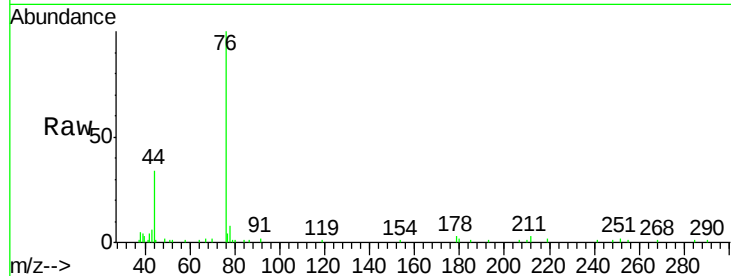
78 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL036804.D

Acq: 13 Apr 2021 15:40

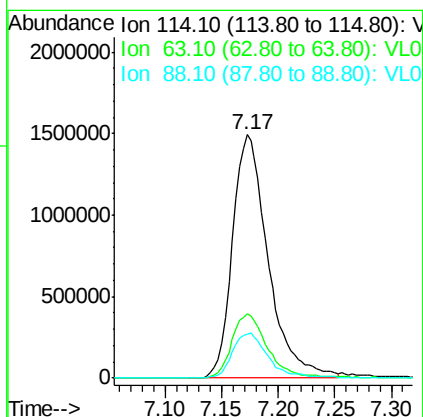
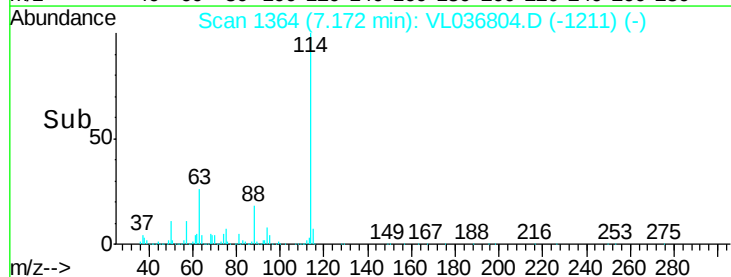
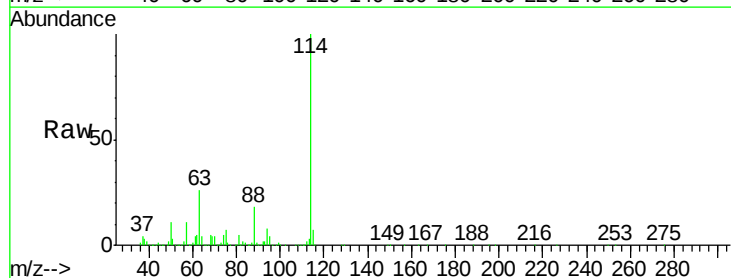
Tgt Ion:114 Resp: 3282266

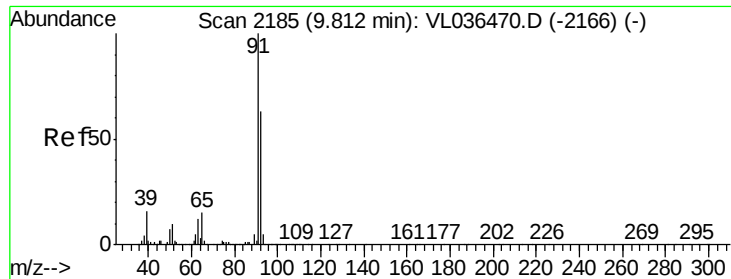
Ion Ratio Lower Upper

114 100

63 27.0 22.4 33.6

88 18.8 15.4 23.0





#53

Toluene

Concen: 0.240 ppbv

RT: 9.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 15:40

Tot Ion:

Ion Ratio

91 100

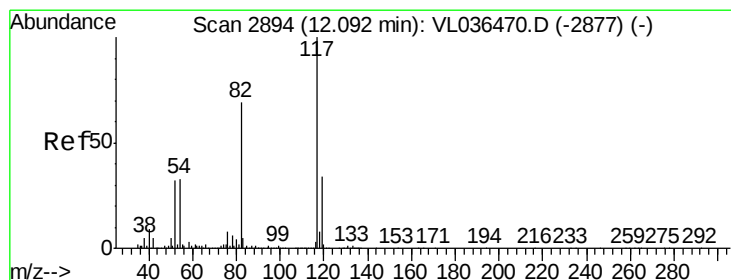
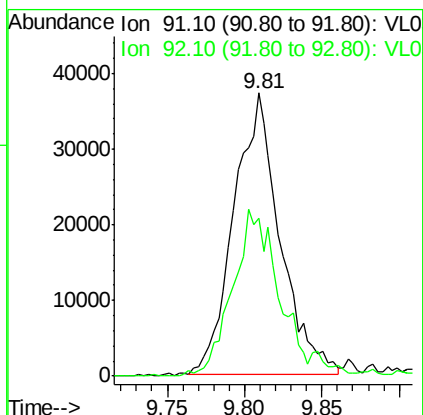
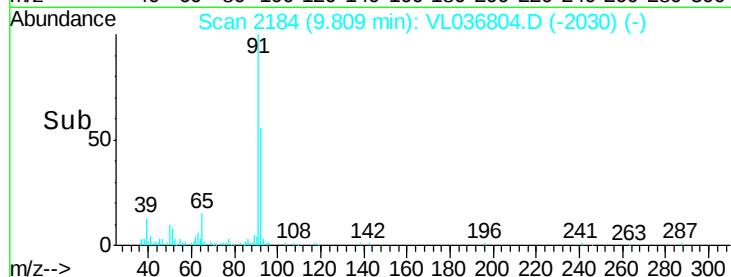
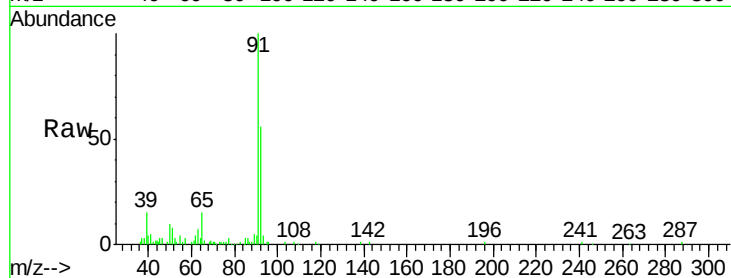
92 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036804.D

Acq: 13 Apr 2021 15:40

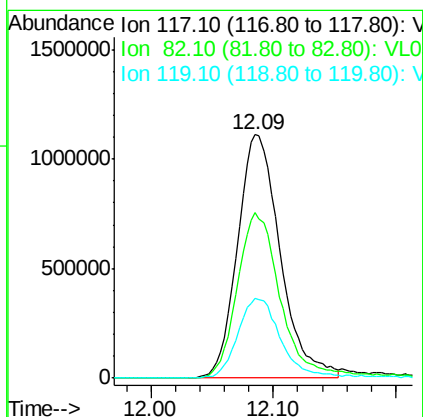
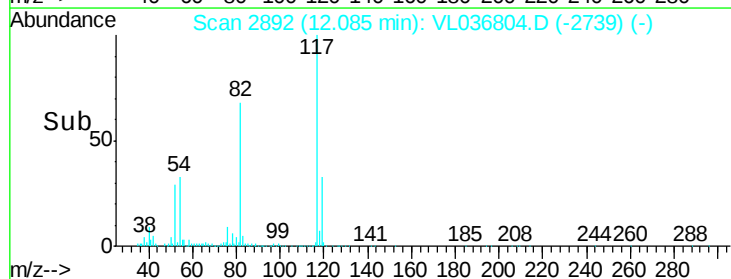
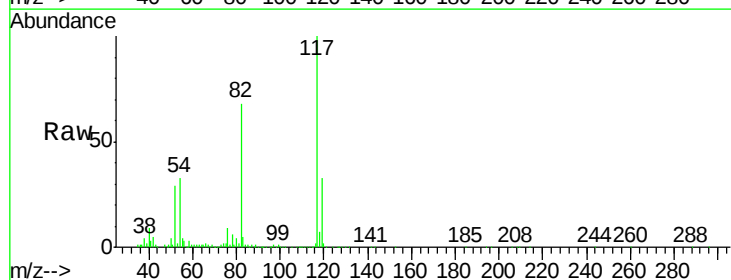
Tgt Ion:117 Resp: 2691027

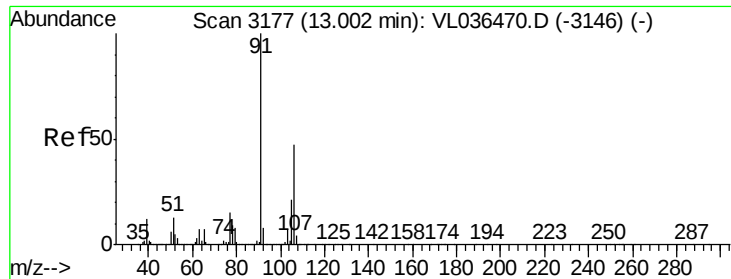
Ion Ratio Lower Upper

117 100

82 71.2 57.4 86.0

119 33.9 47.4 71.0#



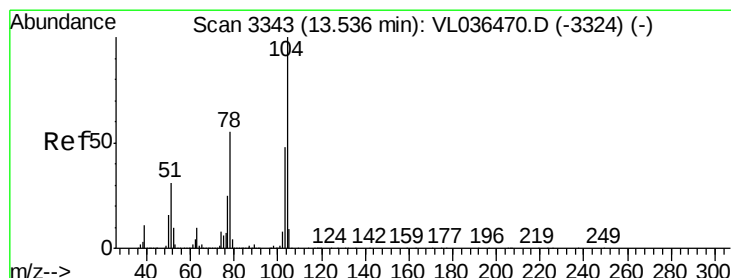
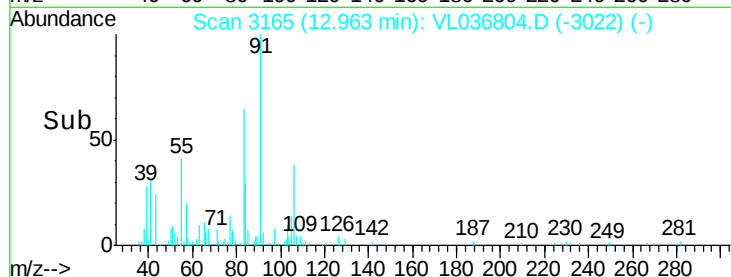
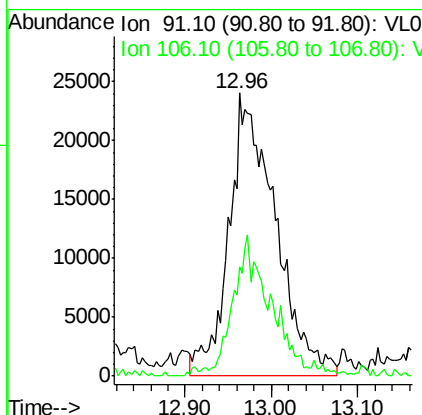
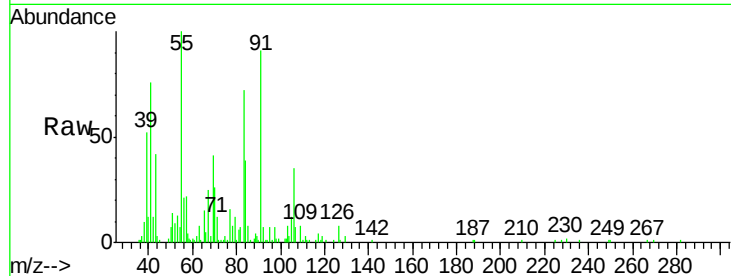


#59
m/p-Xylene
Concen: 0.263 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 13 Apr 2021 15:40

Tot Ion:
Ion Ratio
91 100
106 0.

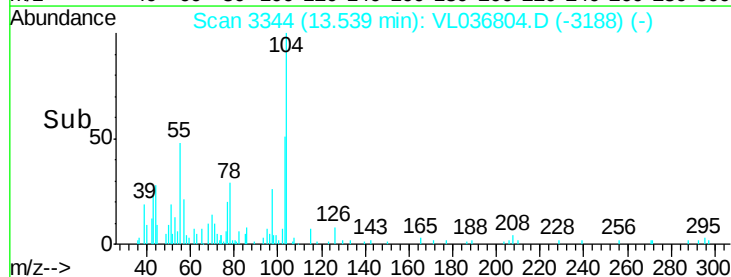
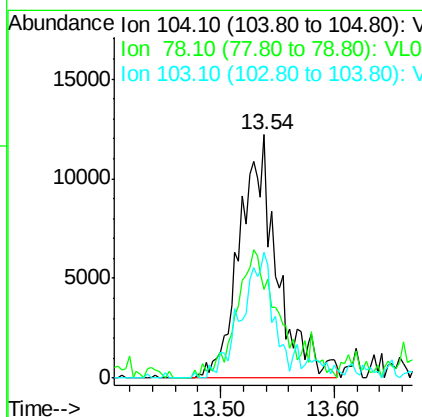
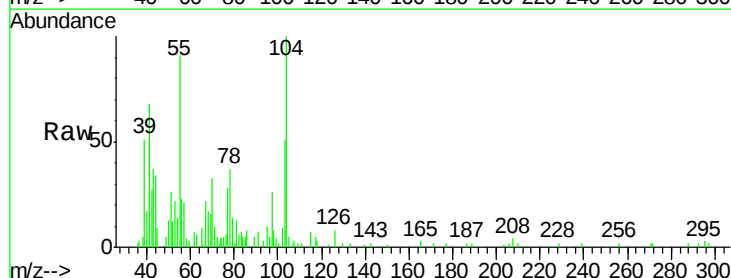
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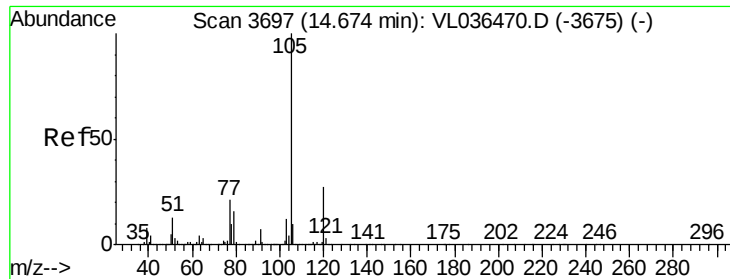
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#61
Styrene
Concen: 0.168 ppbv m
RT: 13.54 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion:104 Resp: 27890
Ion Ratio Lower Upper
104 100
78 61.2 43.8 65.8
103 0.0 38.3 57.5#





#62

Isopropylbenzene

Concen: 1.968 ppbv

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 15:40

Tot Ion:1

Ion Ratio

105 100

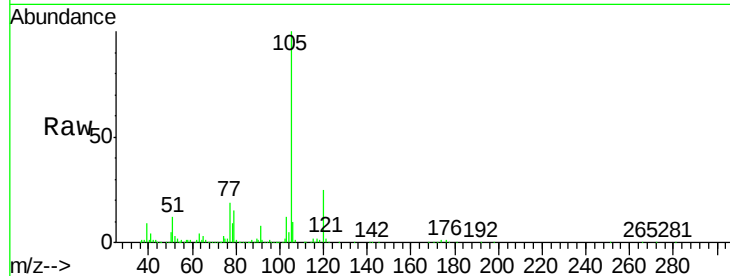
120 25.

Manual Integrations

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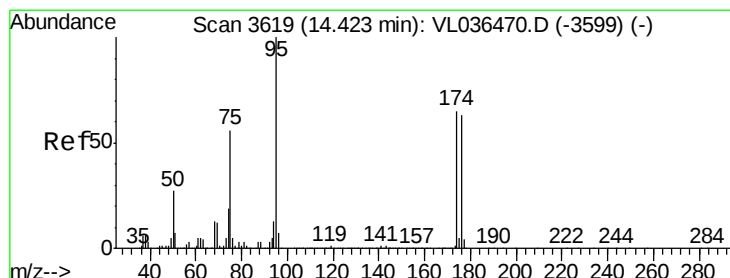
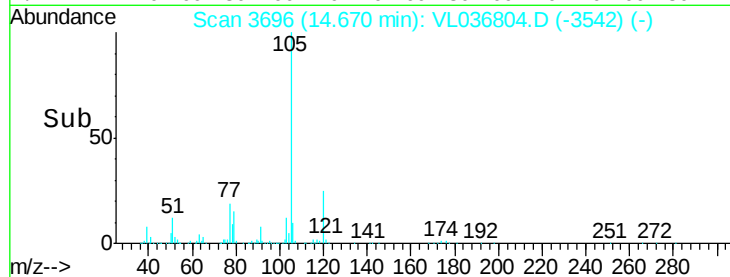
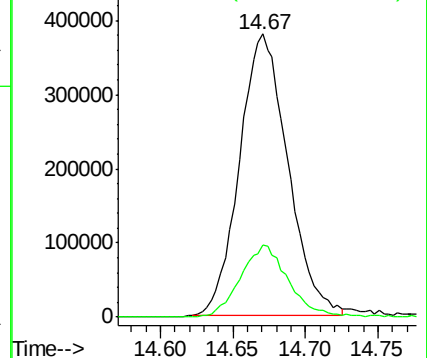
Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.784 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036804.D

Acq: 13 Apr 2021 15:40

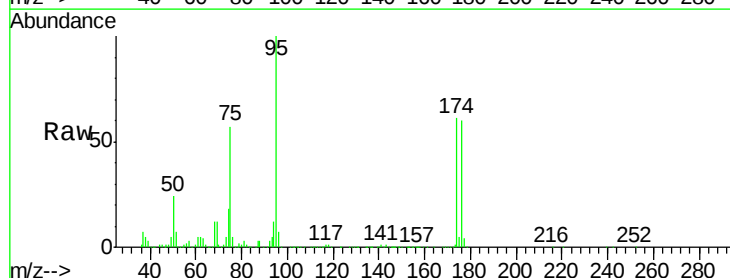
Tgt Ion: 95 Resp: 1883871

Ion Ratio Lower Upper

95 100

174 66.3 51.0 76.6

175 4.6 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

