

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038398.D
 Acq On : 22 Feb 2022 21:32
 Operator : SY/AP
 Sample : N1607-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-12DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Mar 03 06:10:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	893936	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2143942	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	1958359	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1616148	9.97	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

						Qvalue
9) Propene	3.03	41	17946m	0.34	ppbv	
10) Heptane	8.12	43	29972m	0.24	ppbv	
13) Ethanol	3.63	45	24675	4.74	ppbv	86
15) Acetone	3.87	43	55328	0.73	ppbv	95
20) Methylene Chloride	4.35	84	54027	1.43	ppbv	95
26) Hexane	5.69	57	101330	1.10	ppbv #	44
30) Cyclohexane	7.14	84	19864m	0.26	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	61411	0.19	ppbv #	59
53) Toluene	9.81	91	1335321	6.52	ppbv	99
58) Ethyl Benzene	12.71	91	37888m	0.14	ppbv	
59) m/p-Xylene	12.97	91	100933m	0.44	ppbv	
60) o-Xylene	13.69	91	37124	0.17	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	47359	0.21	ppbv #	70

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

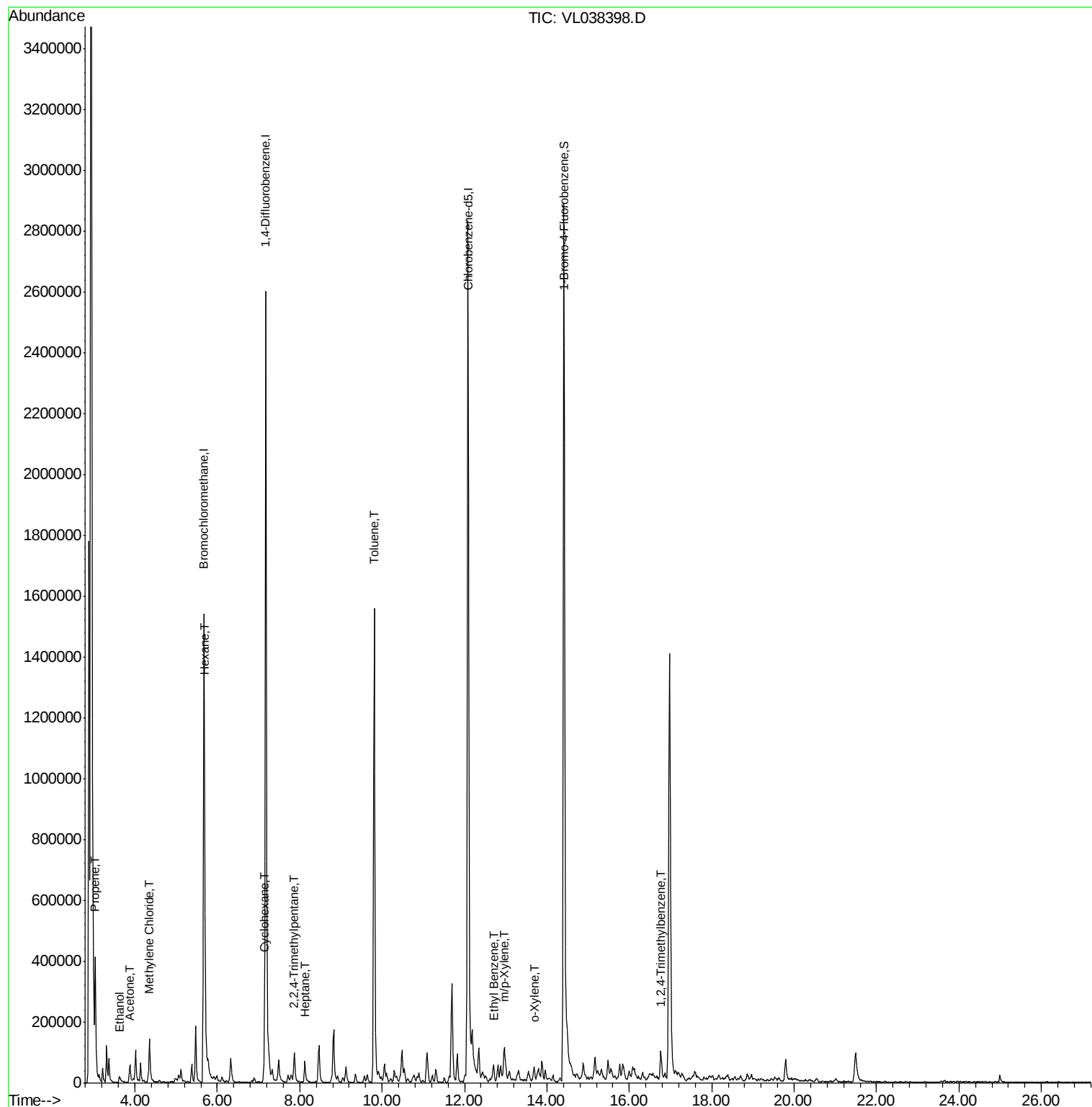
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038398.D
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Operator : SY/AP
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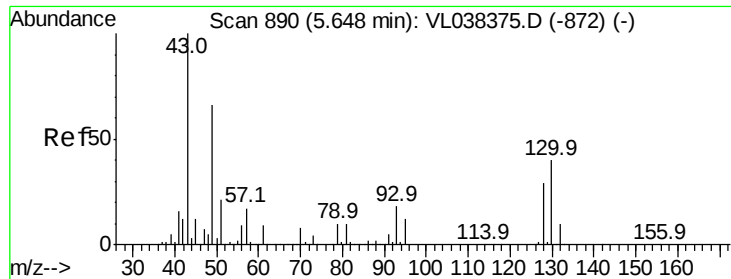
Instrument :
MSVOA_L
ClientSampleId :
MP-12DL

Quant Time: Mar 03 06:10:55 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Manual Integrations
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Supervised By :Mahesh Dadoda 02/25/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 21:32 MP-12DL

Tgt Ion:

Ion Ratio

49 100

128 47.

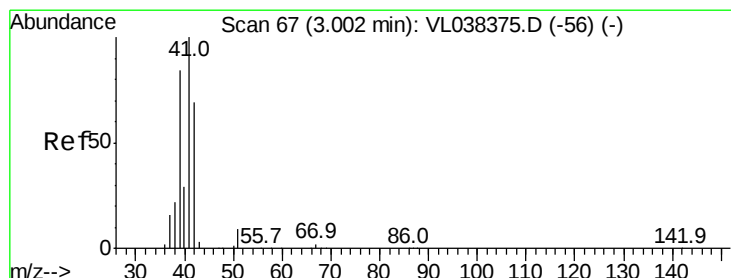
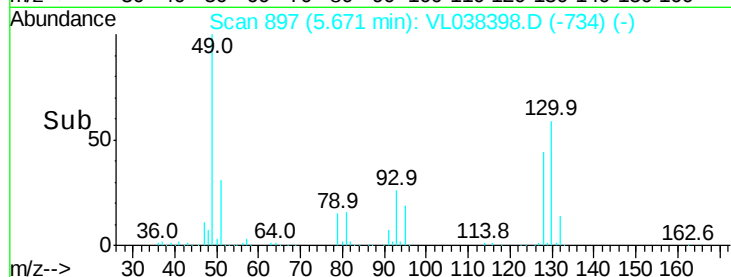
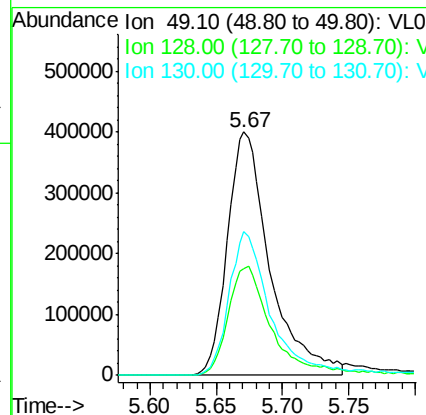
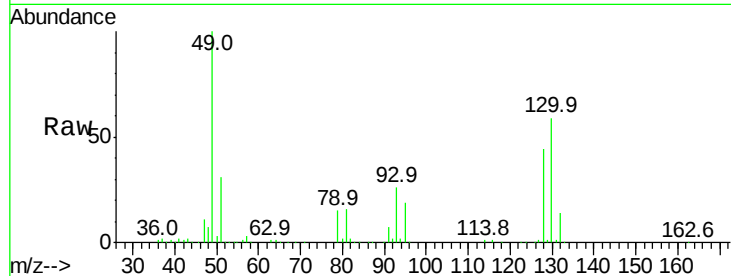
130 59.

Manual Integrations

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#9

Propene

Concen: 0.34 ppbv m

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL038398.D

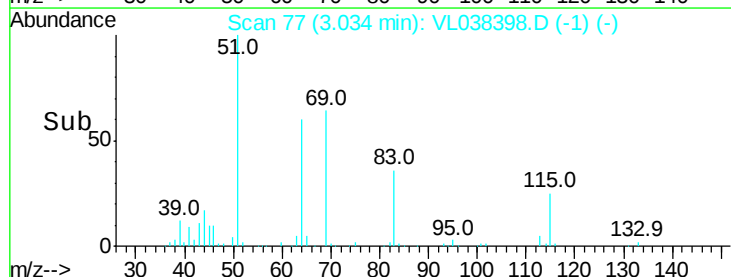
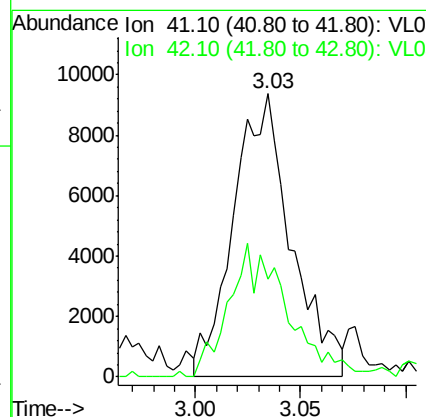
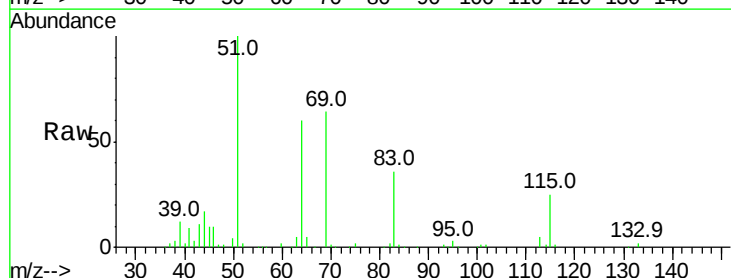
Acq: 22 Feb 2022 21:32

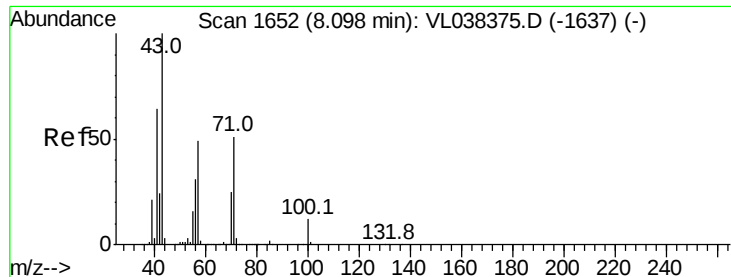
Tgt Ion: 41 Resp: 17946

Ion Ratio Lower Upper

41 100

42 62.2 54.6 82.0





#10

Heptane

Concen: 0.24 ppbv m

RT: 8.12 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 21:32 MP-12DL

Tgt Ion:

Ion Ratio

43 100

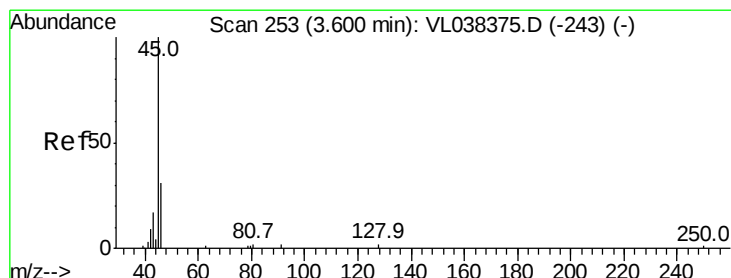
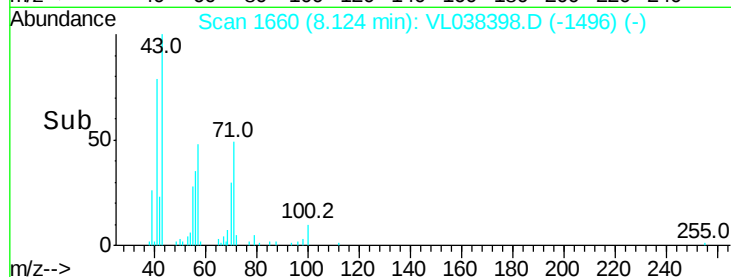
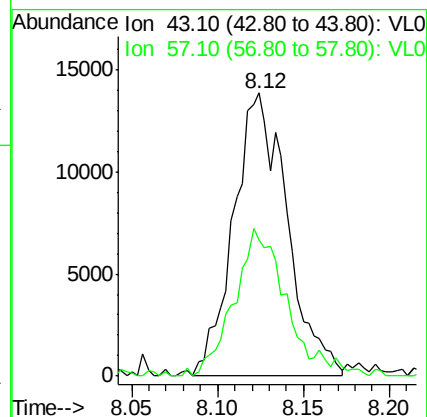
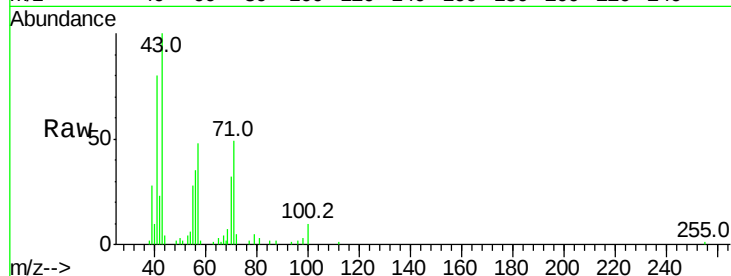
57 0.

Manual Integrations

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#13

Ethanol

Concen: 4.74 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL038398.D

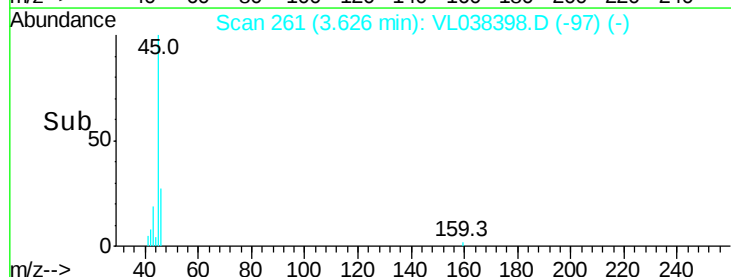
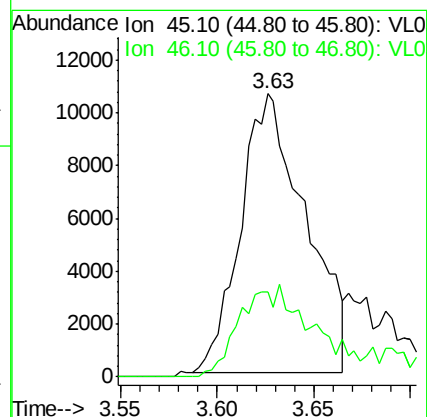
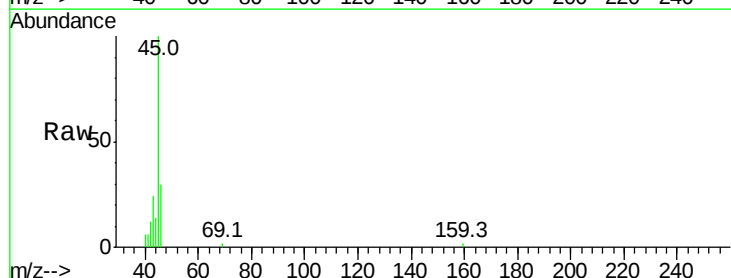
Acq: 22 Feb 2022 21:32

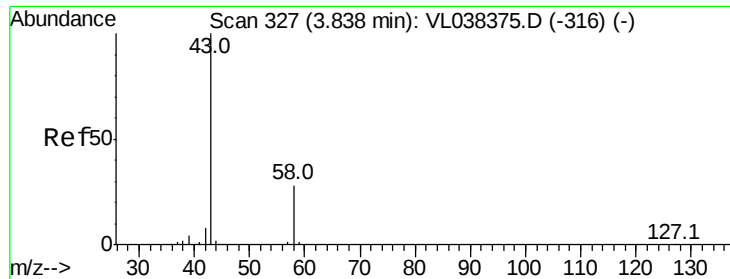
Tgt Ion: 45 Resp: 24675

Ion Ratio Lower Upper

45 100

46 36.3 18.2 72.8





#15

Acetone

Concen: 0.73 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 21:32

Tgt Ion:

Ion Ratio

43 100

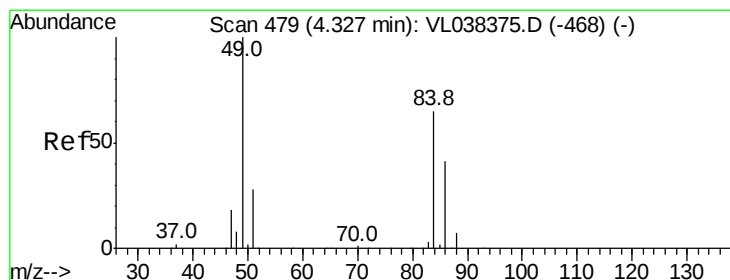
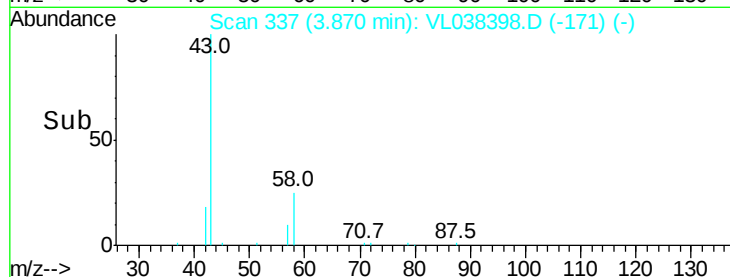
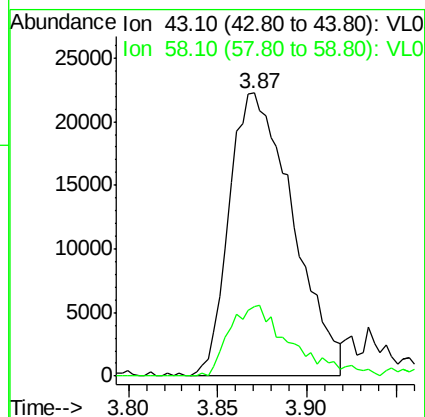
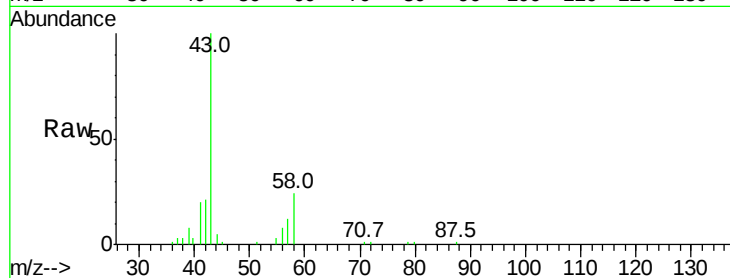
58 24.

Manual Integrations

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Supervised By :Mahesh Dadoda 02/25/2022



#20

Methylene Chloride

Concen: 1.43 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL038398.D

Acq: 22 Feb 2022 21:32

Tgt Ion: 84 Resp: 54027

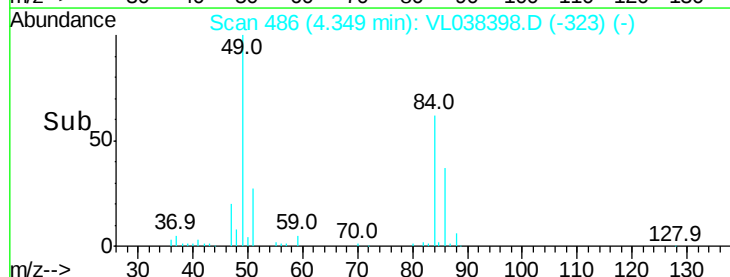
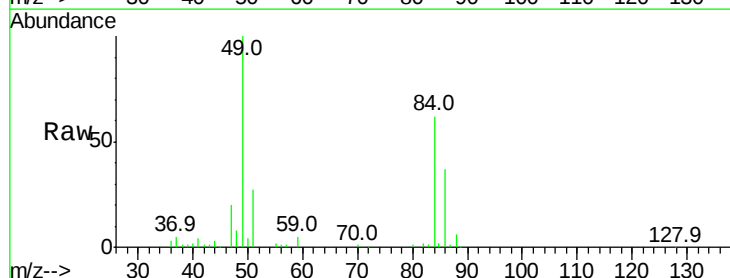
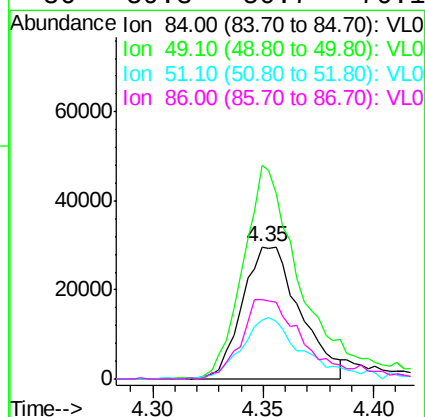
Ion Ratio Lower Upper

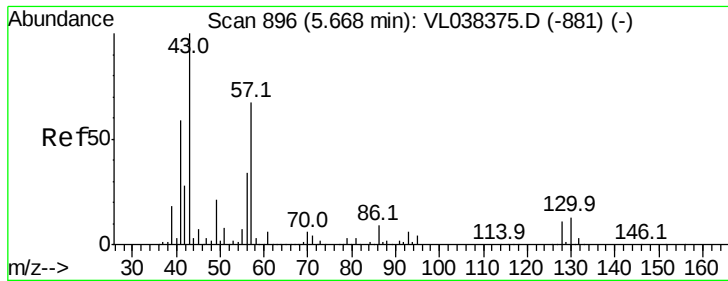
84 100

49 160.1 122.4 183.6

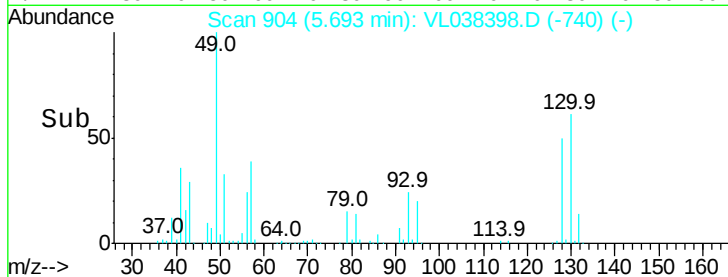
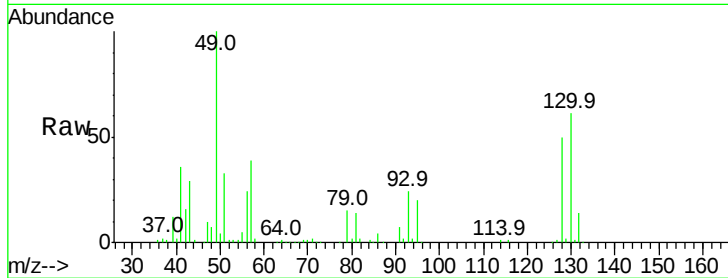
51 43.4 33.3 49.9

86 59.3 50.7 76.1





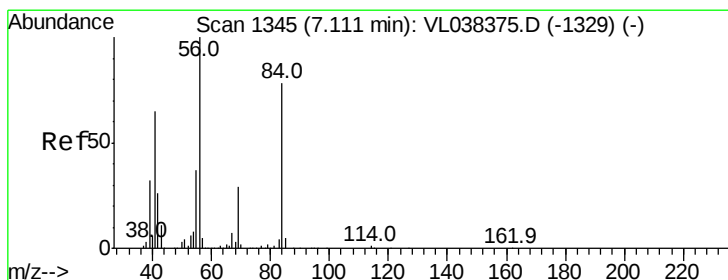
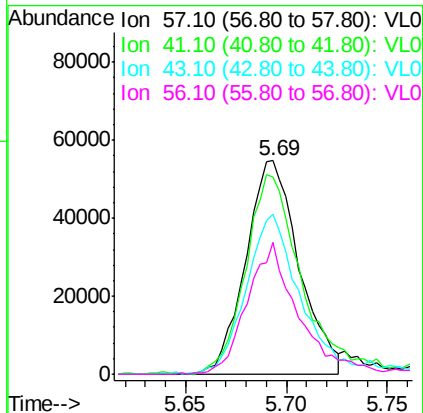
#26
Hexane
Concen: 1.10 ppbv
RT: 5.69
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Feb 2022 21:32



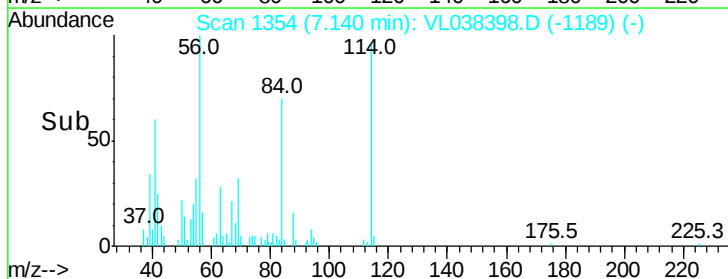
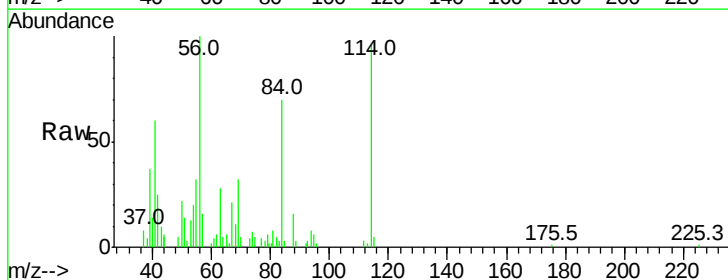
Tgt Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 100
57 100
41 99.
43 82.
56 59.0 43.4 65.0

Manual Integrations
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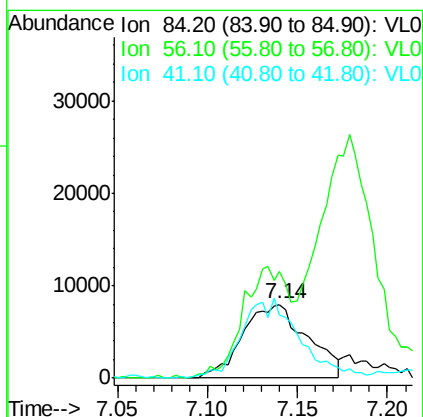
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

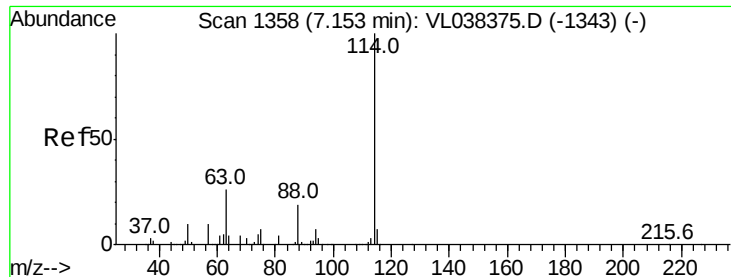


#30
Cyclohexane
Concen: 0.26 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL038398.D
Acq: 22 Feb 2022 21:32



Tgt Ion: 84 Resp: 19864
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 97.6 74.3 111.5



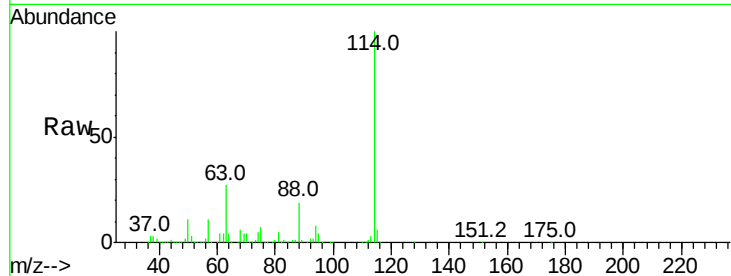


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 22 Feb 2022 21:32

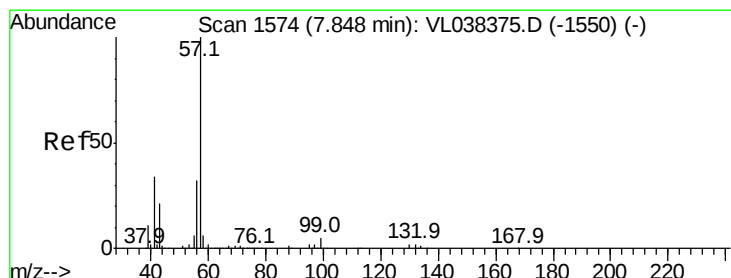
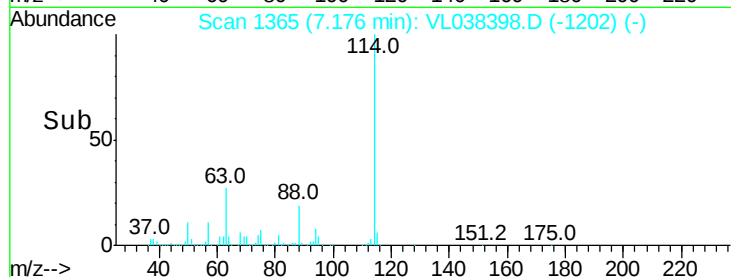
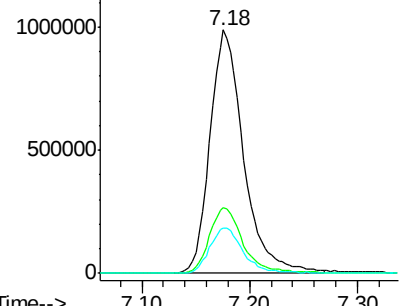
Tgt Ion: 1
 Ion Ratio
 114 100
 63 27.
 88 18.

Manual Integrations
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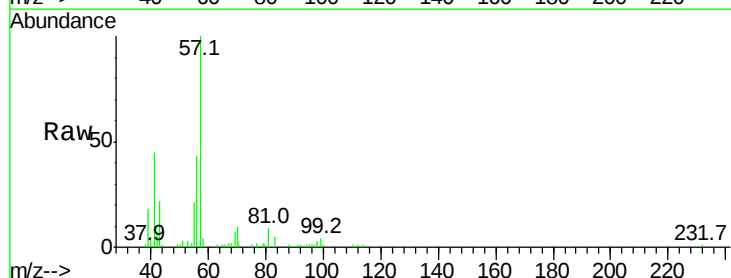


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

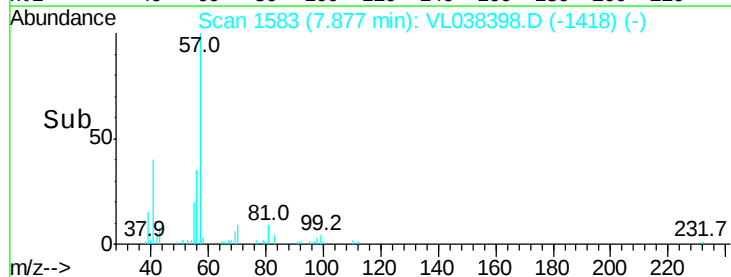
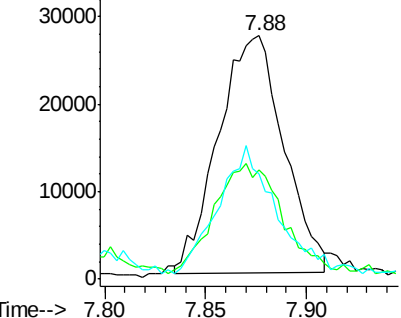


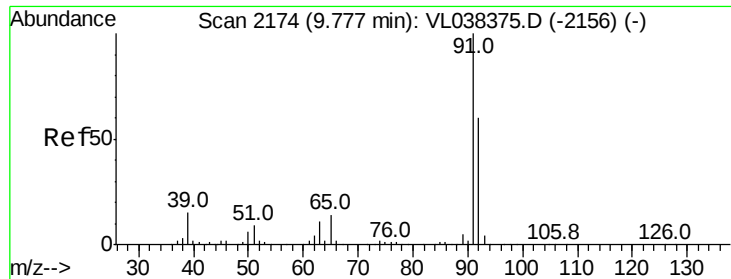
#44
 2,2,4-Trimethylpentane
 Concen: 0.19 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.03 min
 Lab File: VL038398.D
 Acq: 22 Feb 2022 21:32

Tgt Ion: 57 Resp: 61411
 Ion Ratio Lower Upper
 57 100
 41 53.2 26.6 39.8#
 56 57.1 25.0 37.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 6.52 ppbv

RT: 9.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 21:32

Tgt Ion:

Ion Ratio

91 100

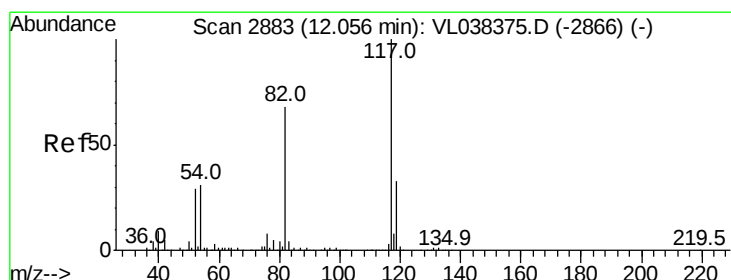
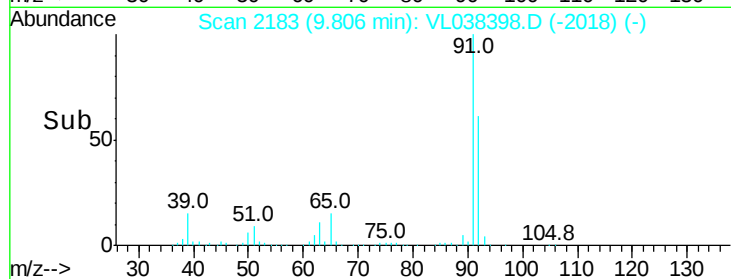
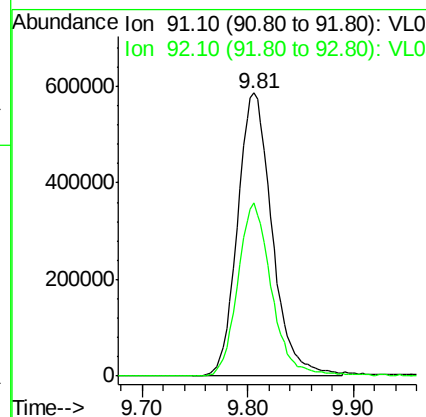
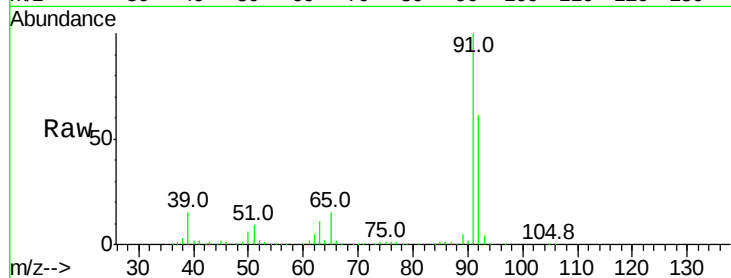
92 59.

Manual Integrations

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Supervised By :Mahesh Dadoda 02/25/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.03 min

Lab File: VL038398.D

Acq: 22 Feb 2022 21:32

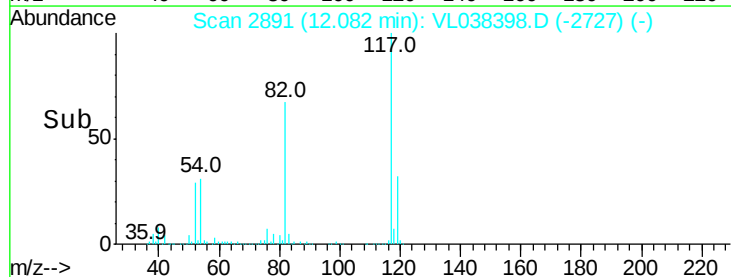
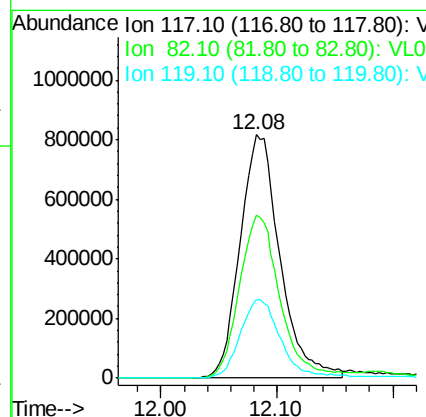
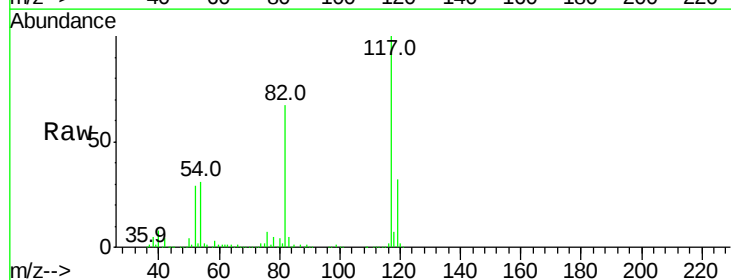
Tgt Ion:117 Resp: 1958359

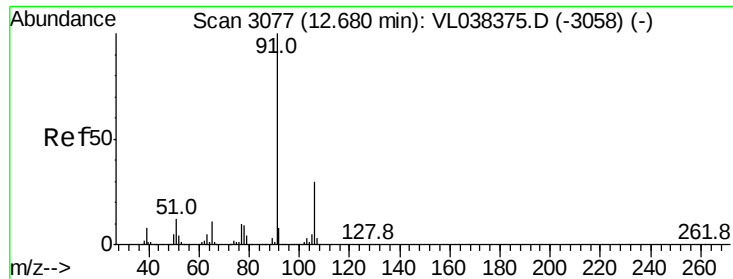
Ion Ratio Lower Upper

117 100

82 68.8 54.9 82.3

119 33.6 46.1 69.1#





#58

Ethyl Benzene

Concen: 0.14 ppbv m

RT: 12.71

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 21:32

Tgt Ion:

Ion Ratio

91 100

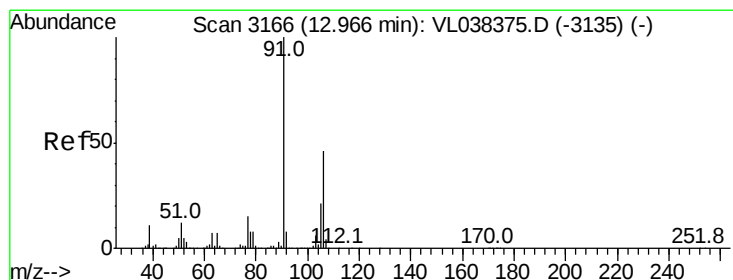
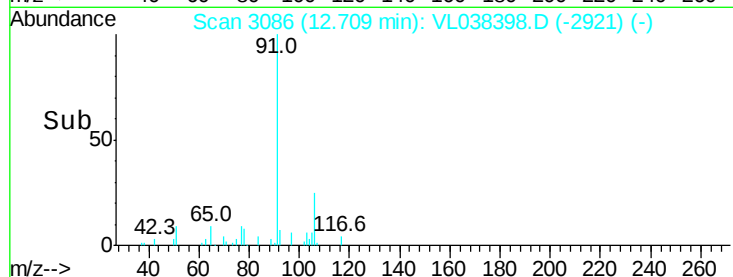
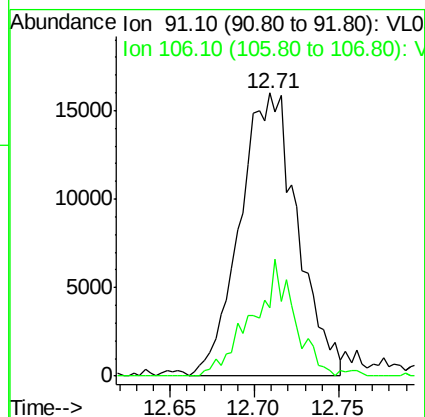
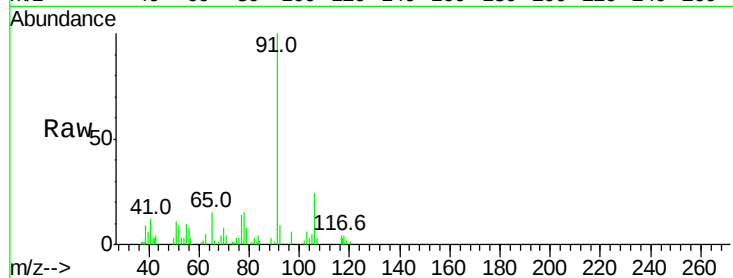
106 24.

Manual Integrations

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Supervised By :Mahesh Dadoda 02/25/2022



#59

m/p-Xylene

Concen: 0.44 ppbv m

RT: 12.97 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VL038398.D

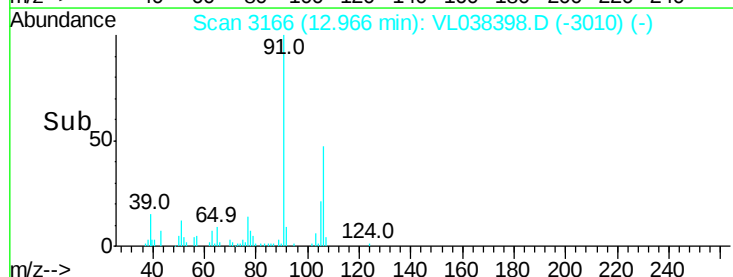
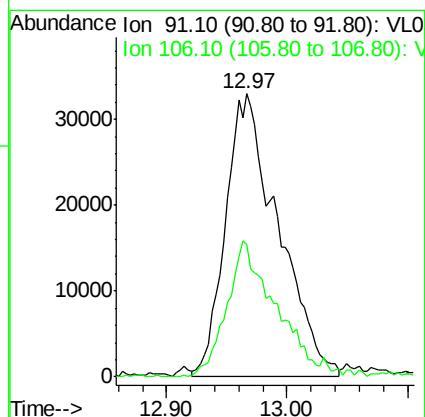
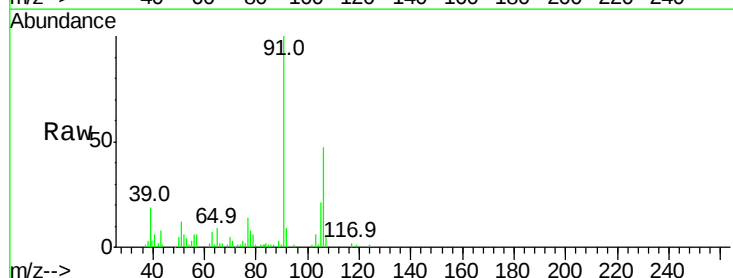
Acq: 22 Feb 2022 21:32

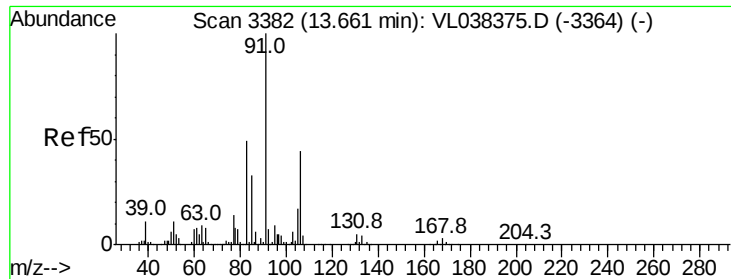
Tgt Ion: 91 Resp: 100933

Ion Ratio Lower Upper

91 100

106 0.0 34.4 51.6#



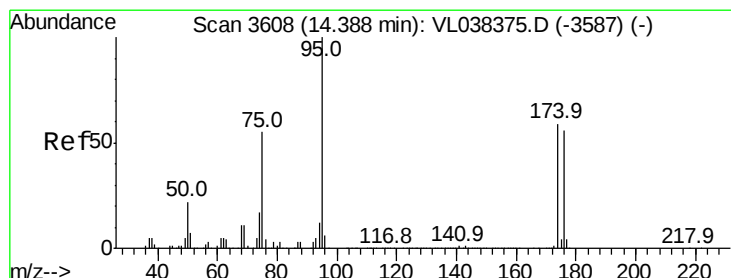
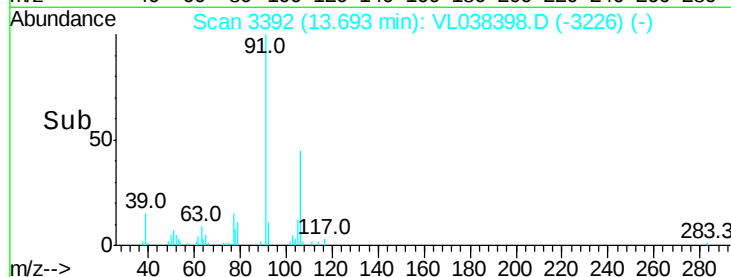
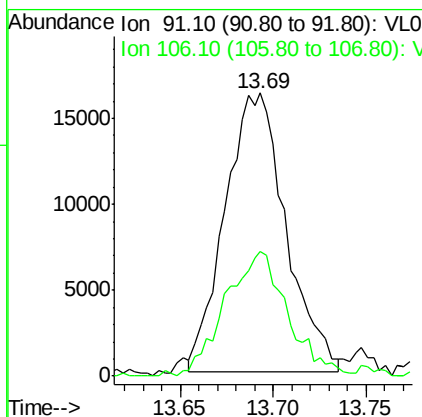
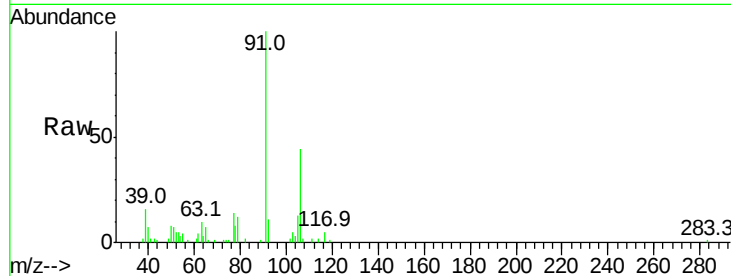


#60
o-Xylene
Concen: 0.17 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 21:32

Tgt Ion:
Ion Ratio
91 100
106 47.

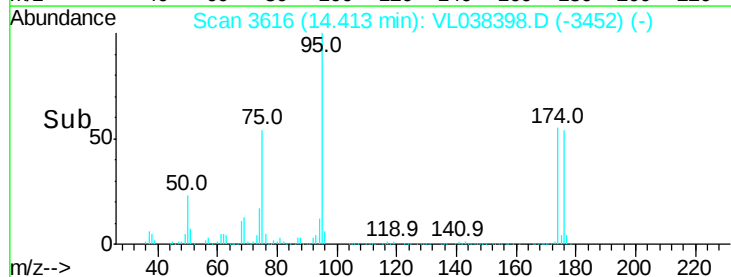
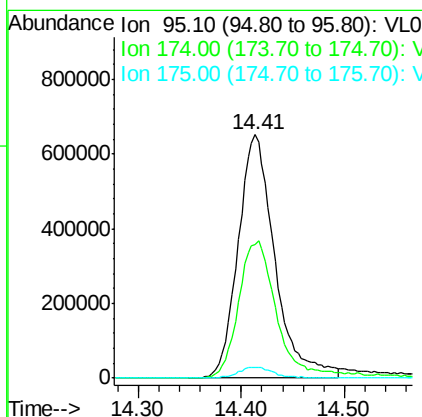
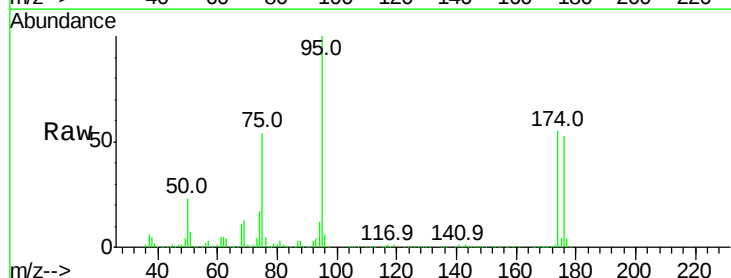
Manual Integrations
APPROVED

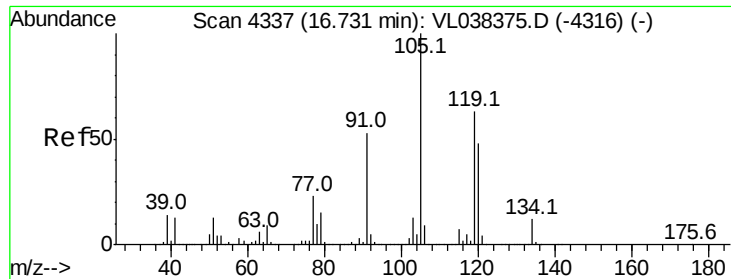
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



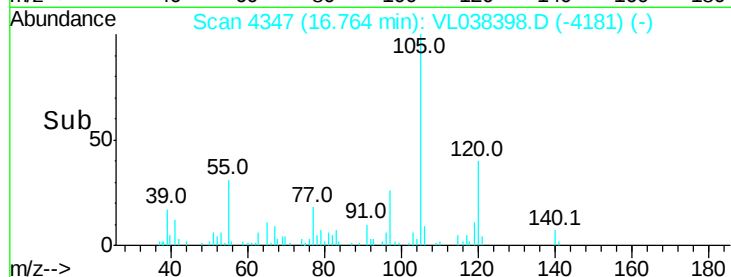
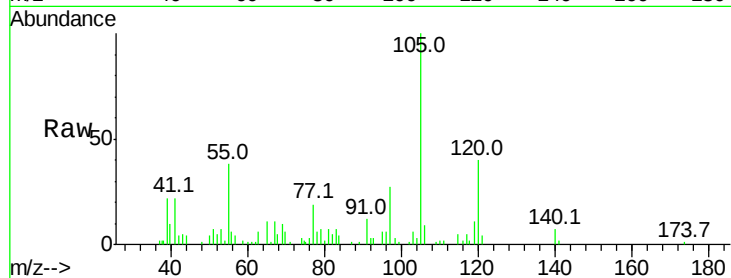
#68
1-Bromo-4-Fluorobenzene
Concen: 9.97 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.03 min
Lab File: VL038398.D
Acq: 22 Feb 2022 21:32

Tgt Ion: 95 Resp: 1616148
Ion Ratio Lower Upper
95 100
174 61.3 49.0 73.4
175 4.4 3.6 5.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.21 ppbv
 RT: 16.76
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Feb 2022 21:32



Tgt Ion:1
 Ion Rati
 105 100
 120 43.
 91 11.
 77 18.9 18.5 27.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

