

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038597.D
 Acq On : 14 Mar 2022 15:37
 Operator : SY/AP
 Sample : N1885-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/15/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 15 02:18:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	874223	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2280372	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1994868	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1469867	9.69	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	61264	1.13	ppbv #	81
10) Heptane	8.10	43	24234	0.19	ppbv	88
13) Ethanol	3.60	45	22412	3.59	ppbv	92
15) Acetone	3.84	43	313415	5.08	ppbv	93
20) Methylene Chloride	4.32	84	276794	7.46	ppbv	99
26) Hexane	5.66	57	133995	1.37	ppbv #	44
27) Carbon Disulfide	4.53	76	18335	0.19	ppbv #	87
34) 2-Butanone	5.24	43	25327m	0.43	ppbv	
53) Toluene	9.77	91	30616m	0.14	ppbv	

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

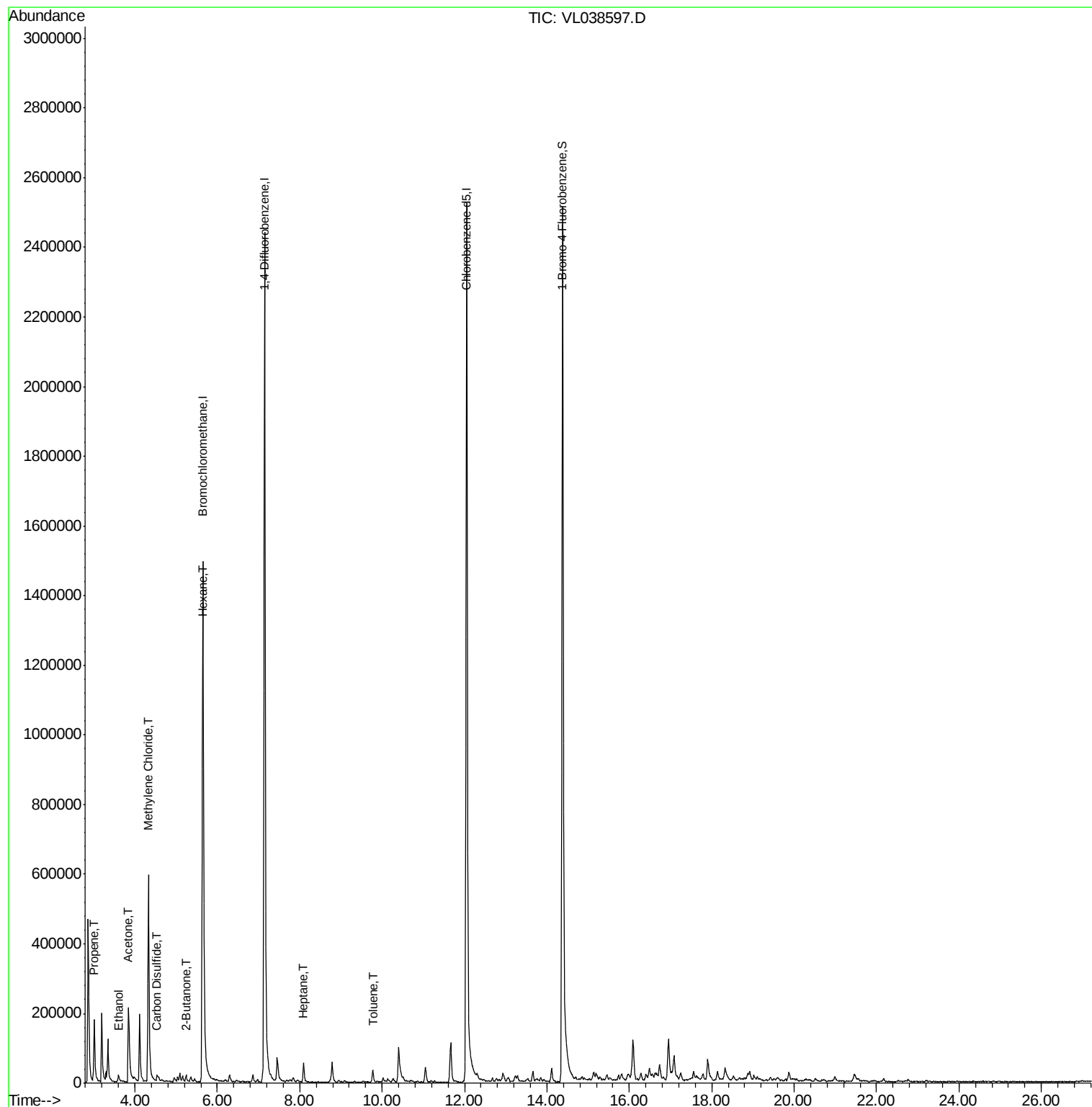
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038597.D
Acq On : 14 Mar 2022 15:37
Operator : SY/AP
Sample : N1885-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

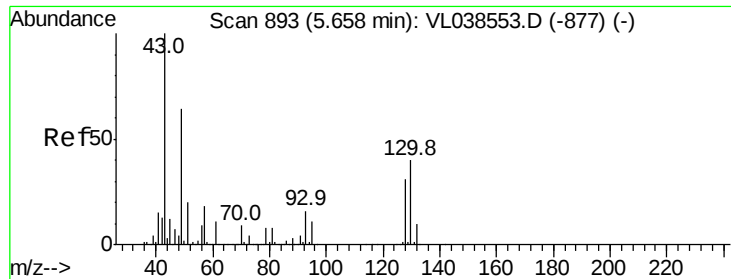
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Quant Time: Mar 15 02:18:13 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Manual Integrations
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Supervised By :Mahesh Dadoda 03/18/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 15:37

Tgt Ion:

Ion Ratio

49 100

128 52.

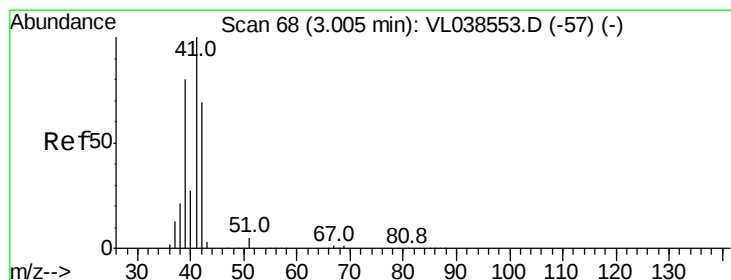
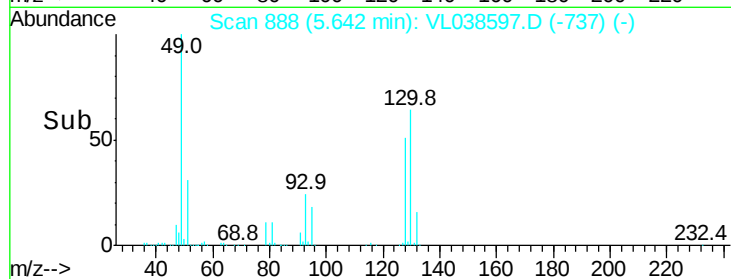
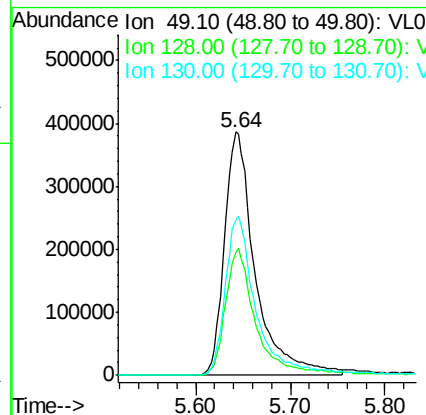
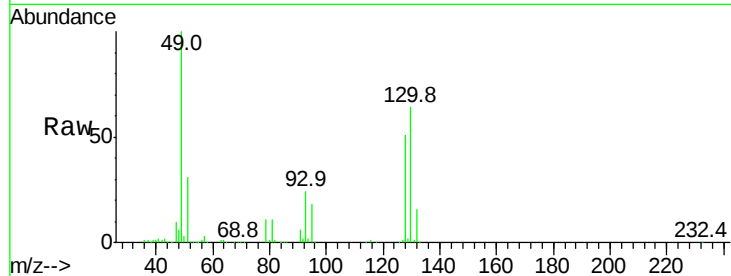
130 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/15/2022

Supervised By :Mahesh Dadoda 03/18/2022



#9

Propene

Concen: 1.13 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL038597.D

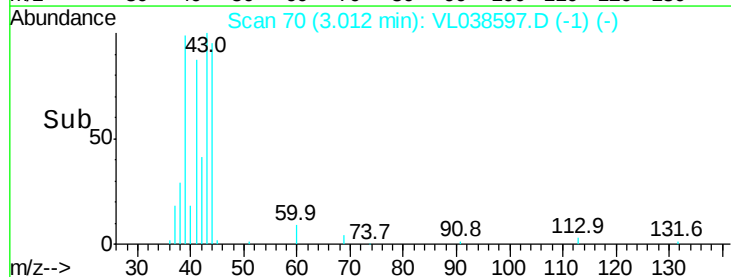
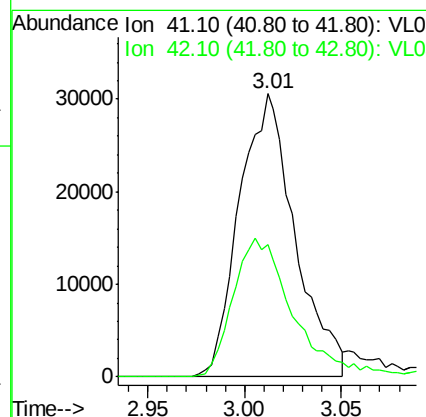
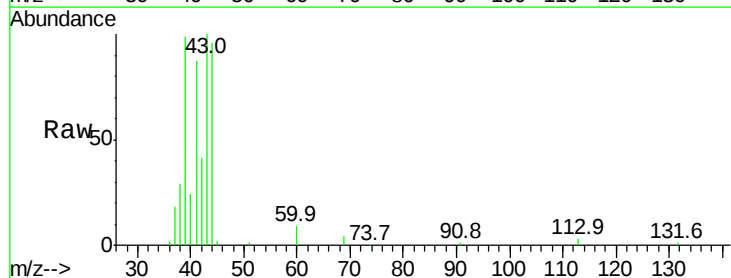
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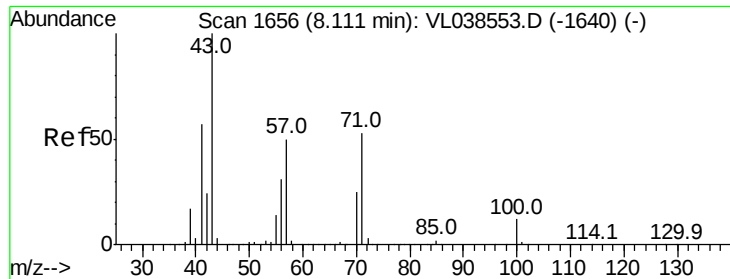
Tgt Ion: 41 Resp: 61264

Ion Ratio Lower Upper

41 100

42 54.1 55.7 83.5#





#10

Heptane

Concen: 0.19 ppbv

RT: 8.10 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 15:37

Tgt Ion:

Ion Ratio

43 100

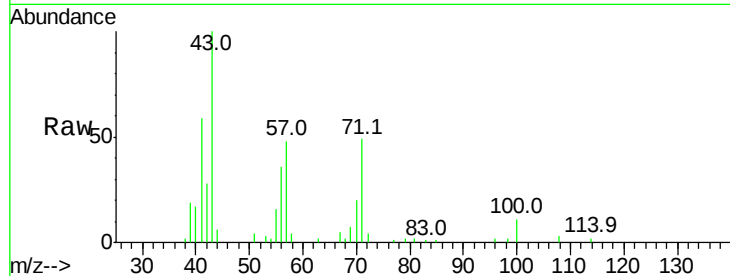
57 57.

Manual Integrations

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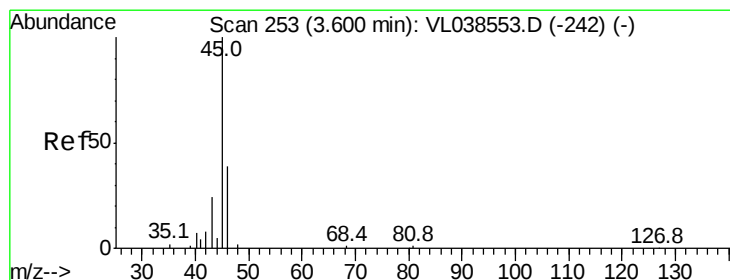
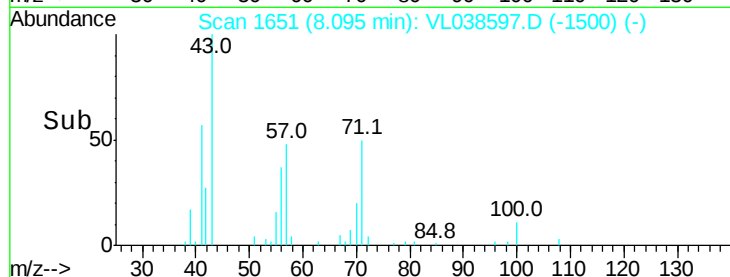
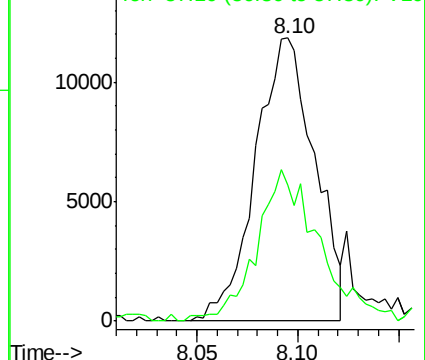
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Supervised By :Mahesh Dadoda 03/18/2022



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#13

Ethanol

Concen: 3.59 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL038597.D

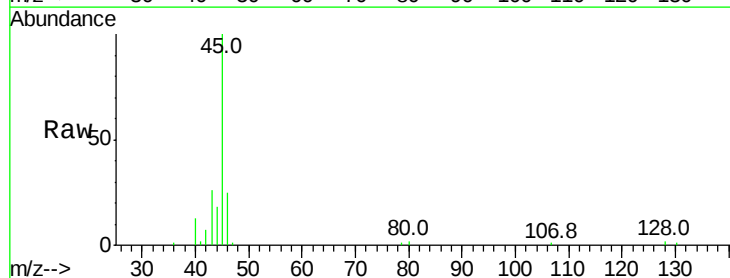
Acq: 14 Mar 2022 15:37

Tgt Ion: 45 Resp: 22412

Ion Ratio Lower Upper

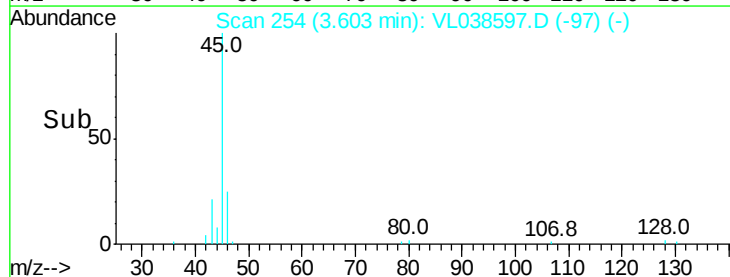
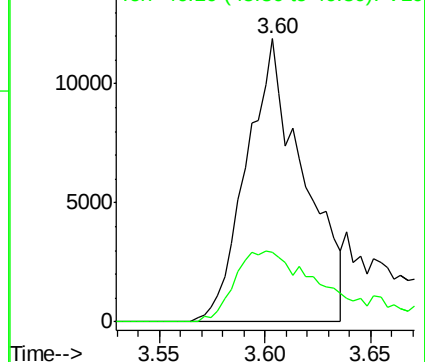
45 100

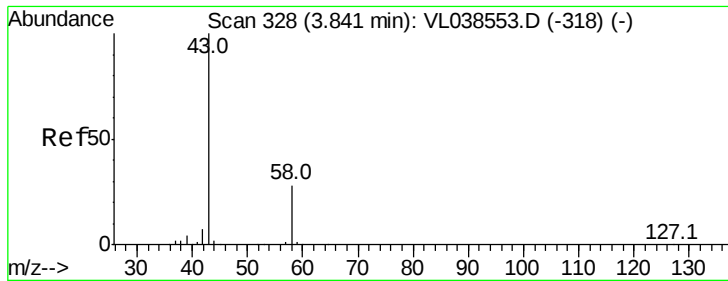
46 46.9 16.8 67.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



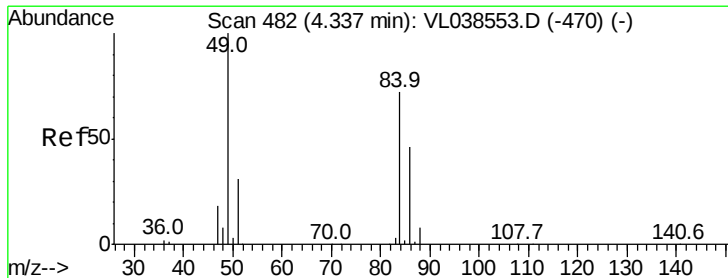
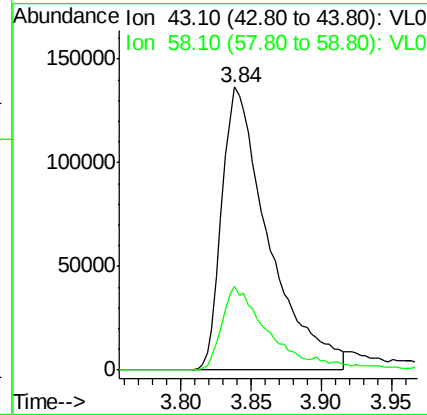
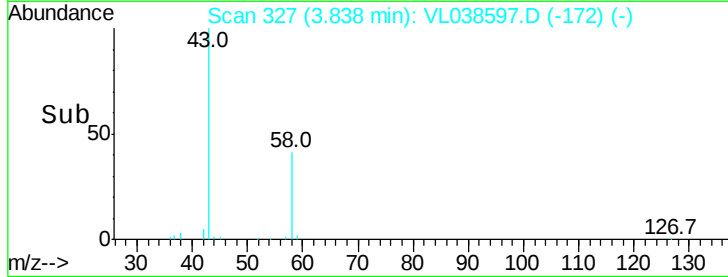
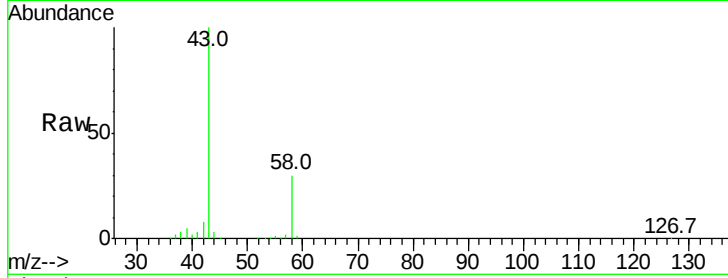


#15
Acetone
Concen: 5.08 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 15:37

Tgt Ion:
Ion Ratio
43 100
58 32.

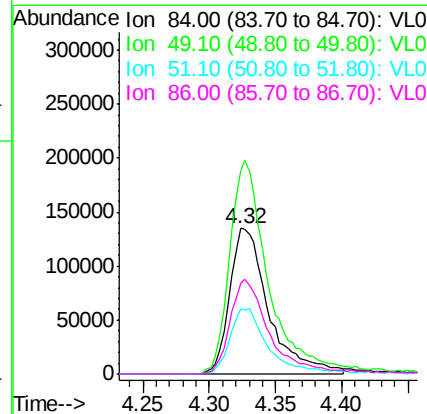
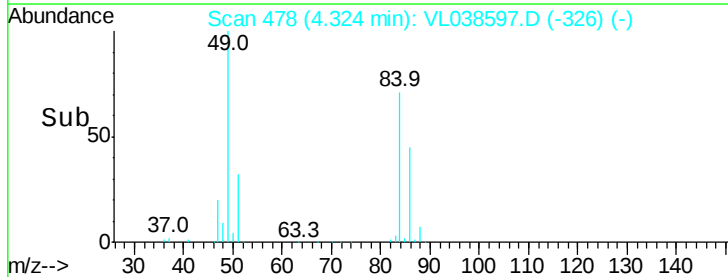
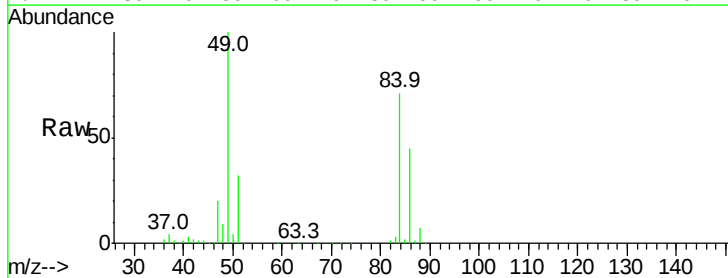
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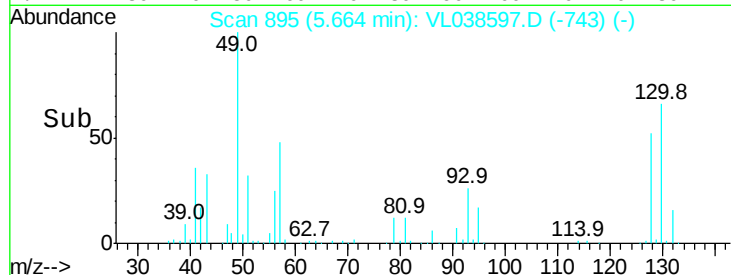
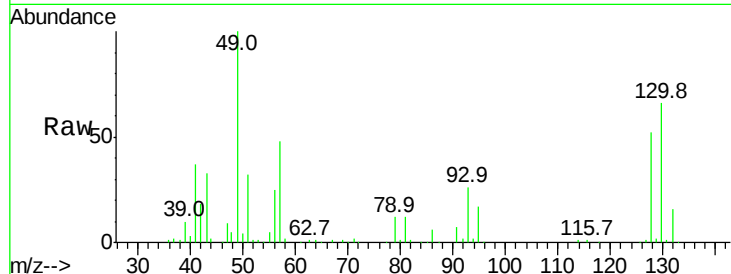
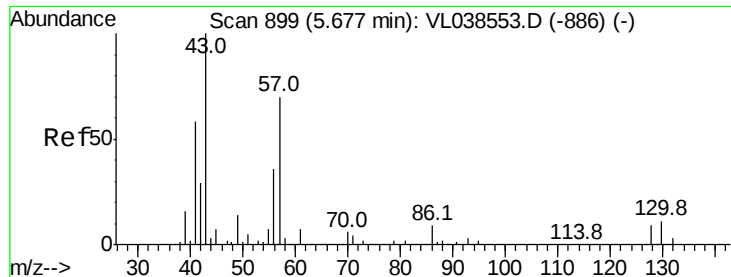
Reviewed By :Semsettin Yesilyurt 03/15/2022
Supervised By :Mahesh Dadoda 03/18/2022



#20
Methylene Chloride
Concen: 7.46 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL038597.D
Acq: 14 Mar 2022 15:37

Tgt Ion: 84 Resp: 276794
Ion Ratio Lower Upper
84 100
49 139.8 111.1 166.7
51 44.5 34.0 51.0
86 62.3 50.9 76.3





#26

Hexane

Concen: 1.37 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Mar 2022 15:37

Tgt Ion: 57.10 (56.80 to 57.80): VL0

Ion Ratio 41.10 (40.80 to 41.80): VL0

43.10 (42.80 to 43.80): VL0

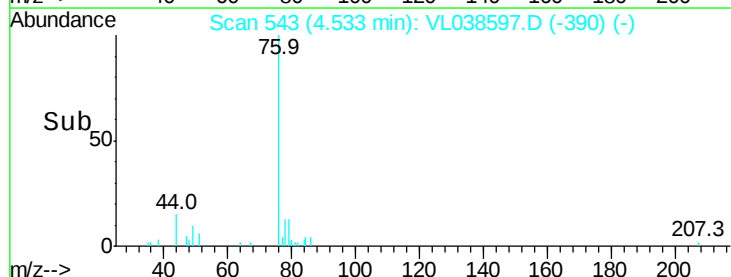
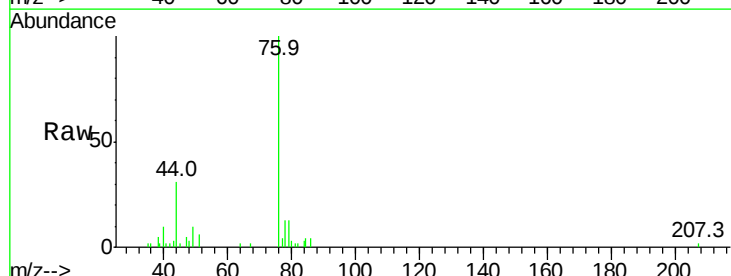
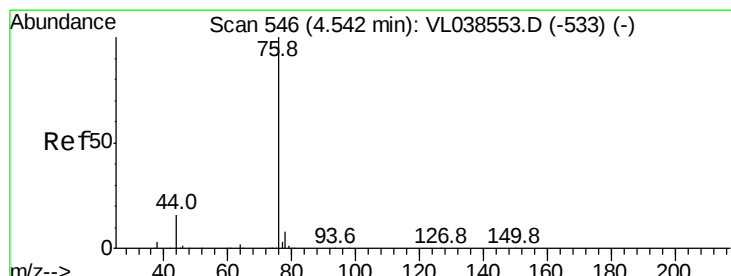
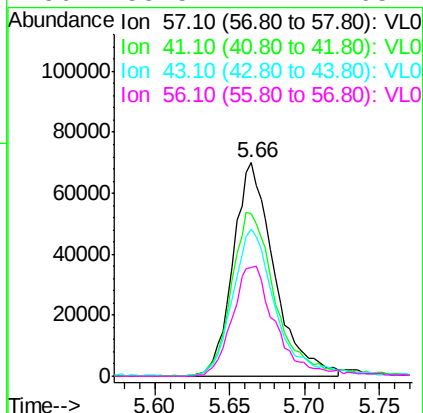
56.10 (55.80 to 56.80): VL0

55.5 42.2 63.2

Manual Integrations
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Supervised By :Mahesh Dadoda 03/18/2022



#27

Carbon Disulfide

Concen: 0.19 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL038597.D

Acq: 14 Mar 2022 15:37

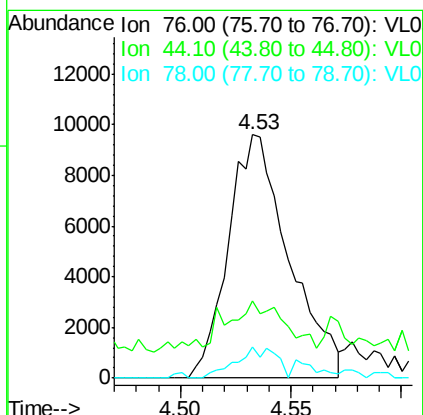
Tgt Ion: 76 Resp: 18335

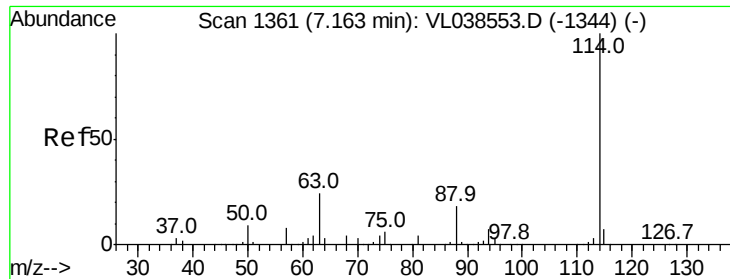
Ion Ratio Lower Upper

76 100

44 22.7 12.9 19.3#

78 13.4 7.8 11.6#



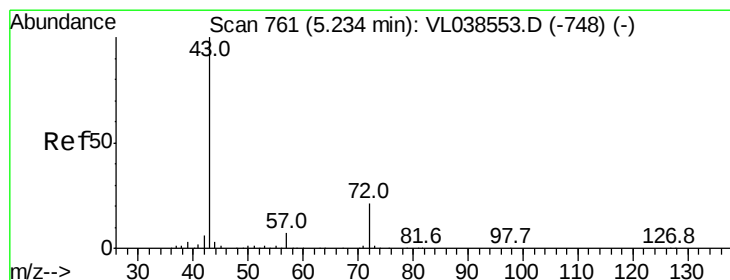
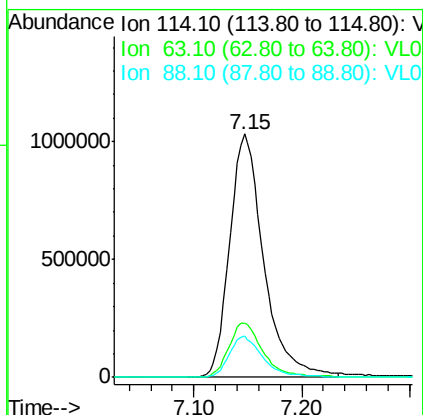
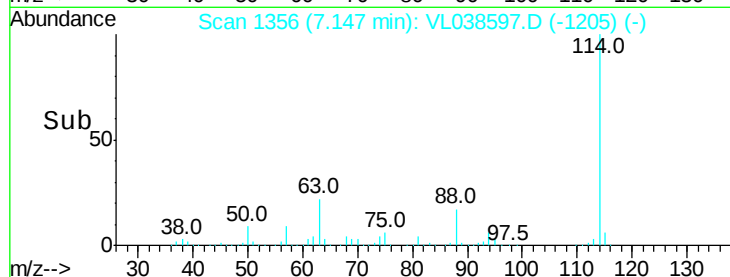
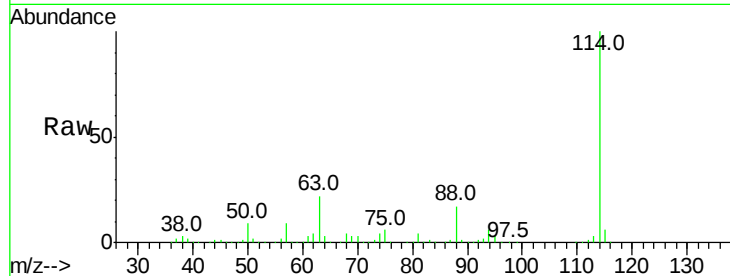


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SS-2DL
 Acq: 14 Mar 2022 15:37

Tgt Ion: 1
 Ion Ratio
 114 100
 63 23.
 88 17.

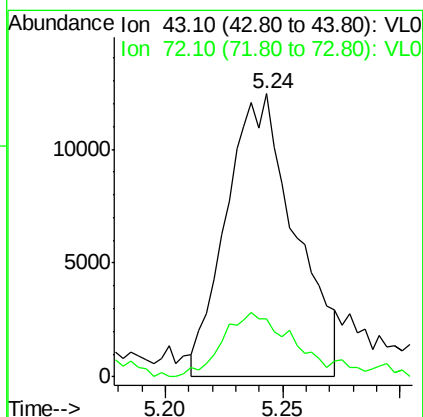
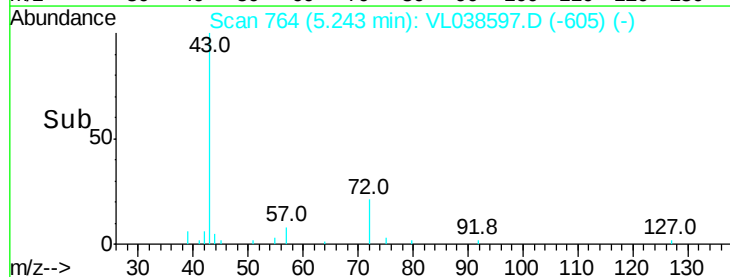
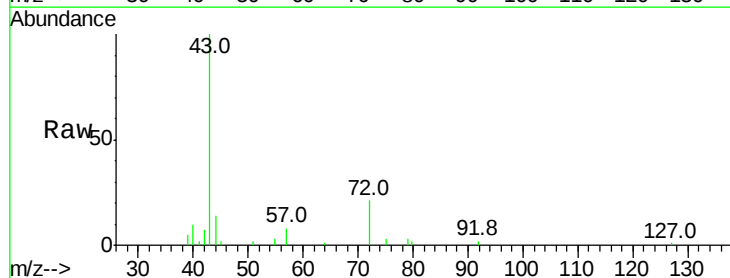
Manual Integrations
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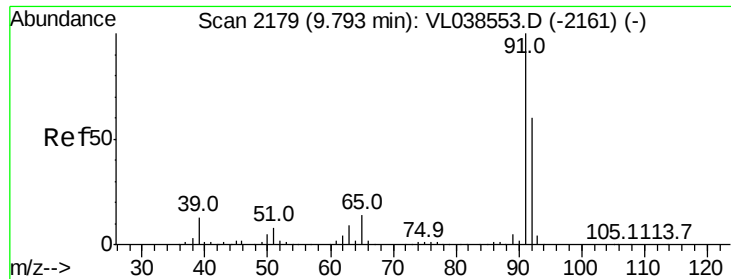
Reviewed By : Semsettin Yesilyurt 03/15/2022
 Supervised By : Mahesh Dadoda 03/18/2022



#34
 2-Butanone
 Concen: 0.43 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL038597.D
 Acq: 14 Mar 2022 15:37

Tgt Ion: 43 Resp: 25327
 Ion Ratio Lower Upper
 43 100
 72 27.4 17.8 26.6#





#53

Toluene

Concen: 0.14 ppbv m

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 15:37

Tgt Ion:

Ion Ratio

91 100

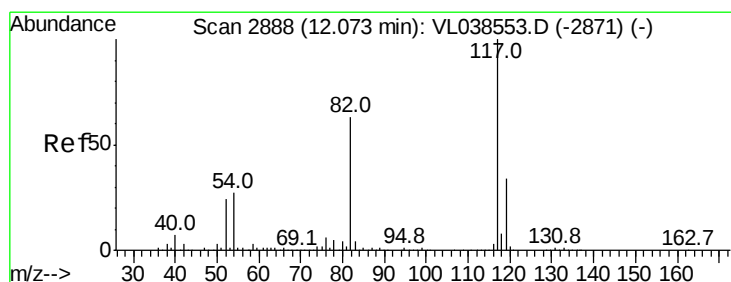
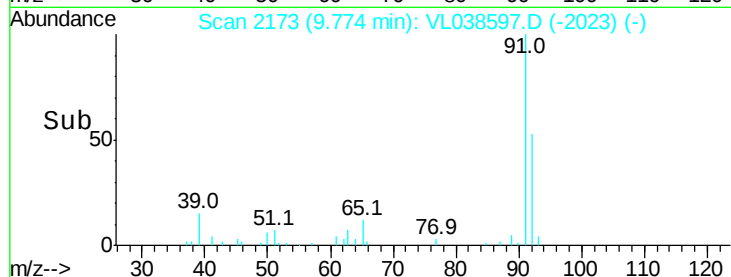
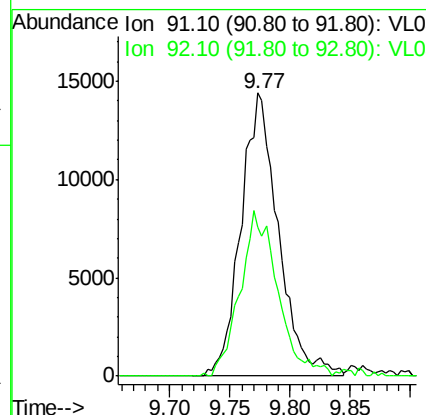
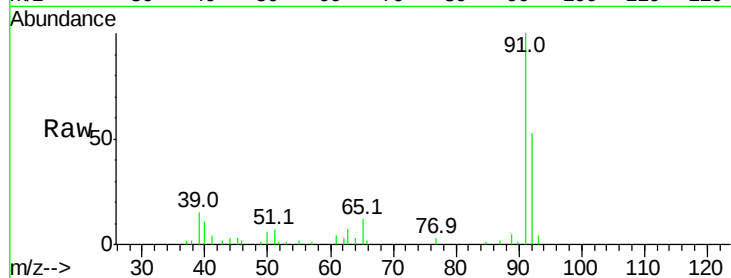
92 59.

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.02 min

Lab File: VL038597.D

Acq: 14 Mar 2022 15:37

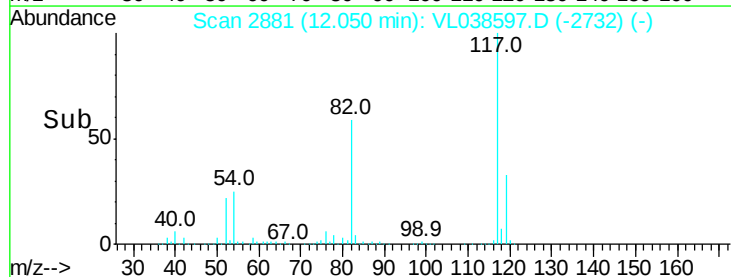
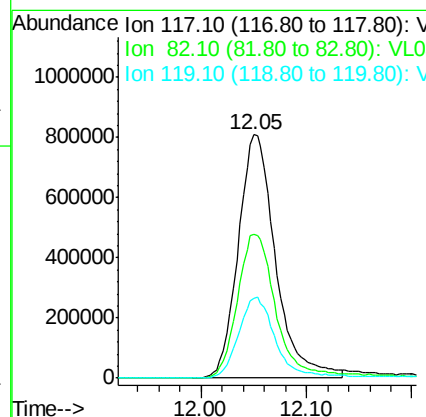
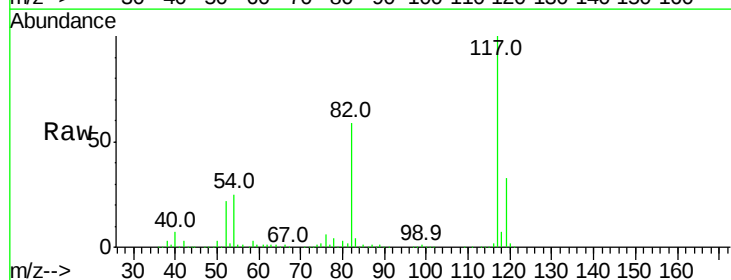
Tgt Ion:117 Resp: 1994868

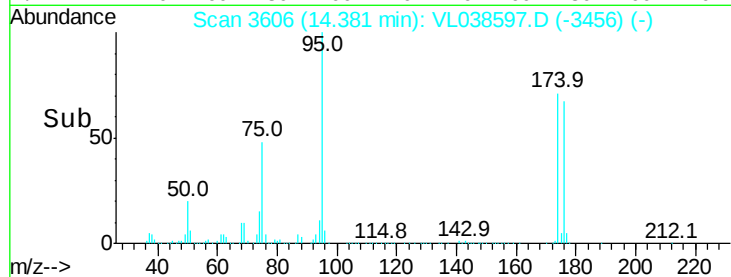
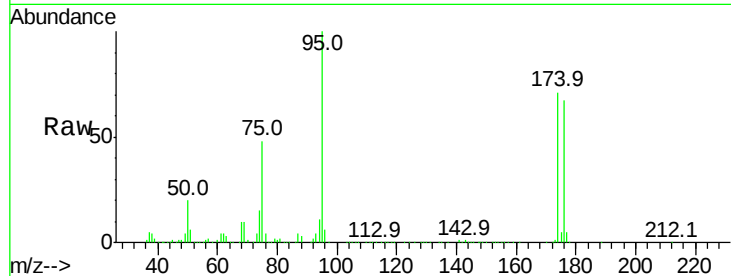
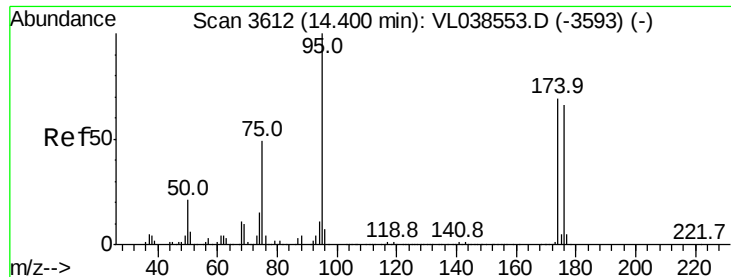
Ion Ratio Lower Upper

117 100

82 63.0 52.5 78.7

119 34.0 46.4 69.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.69 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Mar 2022 15:57

Tgt Ion:

Ion Ratio

95 100

174 74.

175 5.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/18/2022

