

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036822.D
 Acq On : 20 Apr 2021 15:20
 Operator : SY/AP
 Sample : M2096-04 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/21/2021
 Supervised By : Mahesh Dadoda 04/21/2021

Quant Time: Apr 21 11:50:05 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	5.67	49	1292424	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3108820	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2639405	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1969410	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	32873	0.427	ppbv	92
13) Ethanol	3.61	45	698392	76.185	ppbv	91
15) Acetone	3.86	43	396825	3.120	ppbv #	86
20) Methylene Chloride	4.35	84	110162	1.850	ppbv	88
38) Trichloroethene	7.85	130	10257m	0.092	ppbv	
53) Toluene	9.82	91	40211m	0.132	ppbv	
59) m/p-Xylene	12.99	91	60800m	0.182	ppbv	

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

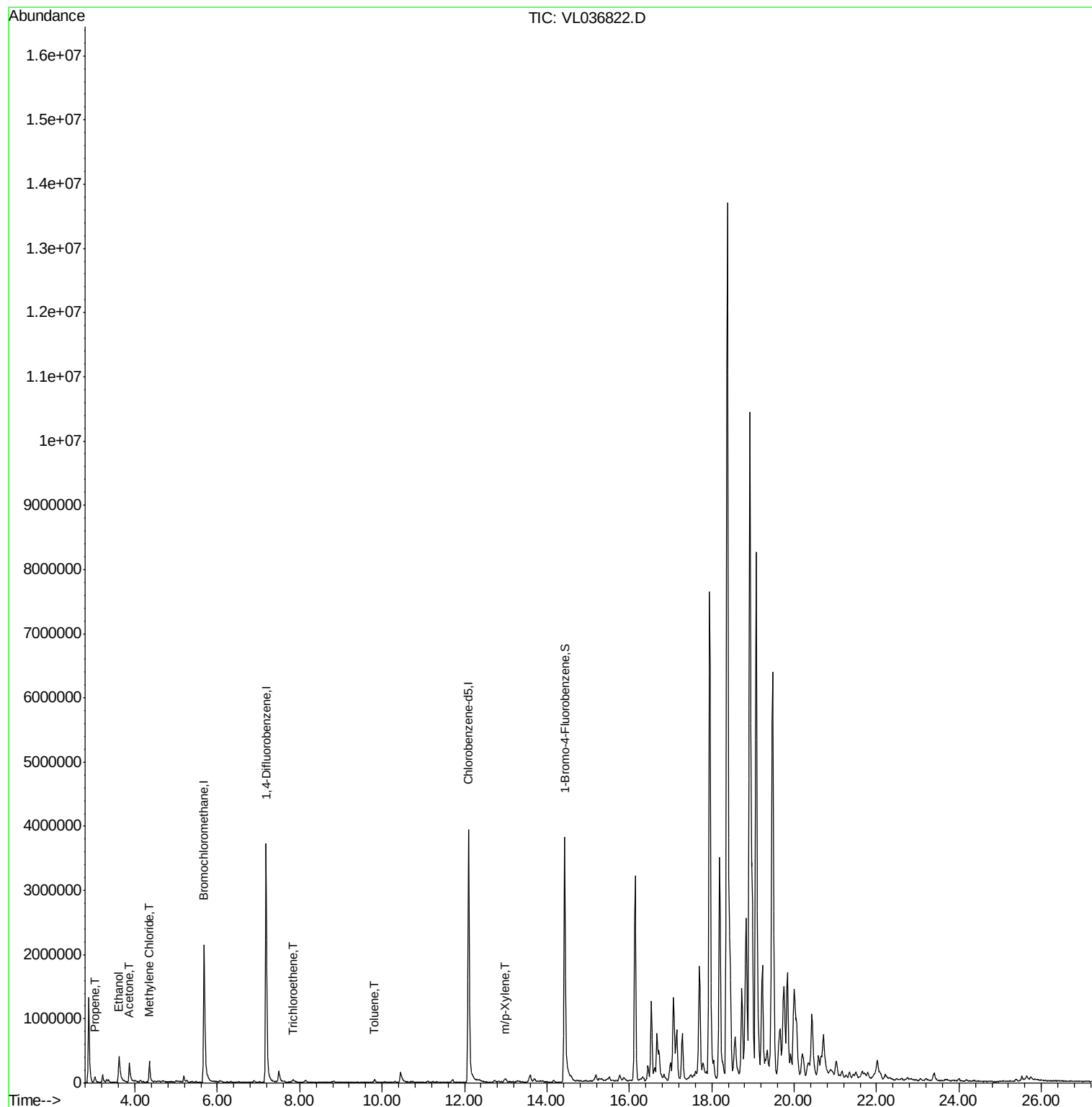
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042021\
Data File : VL036822.D
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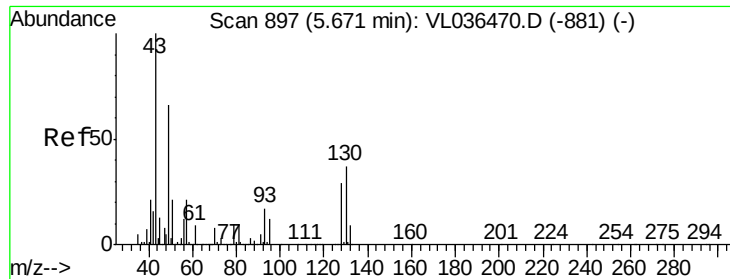
Instrument :
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Quant Time: Apr 21 11:50:05 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 20 Apr 2021 15:20

Tot Ion:

Ion Ratio

49 100

128 46.

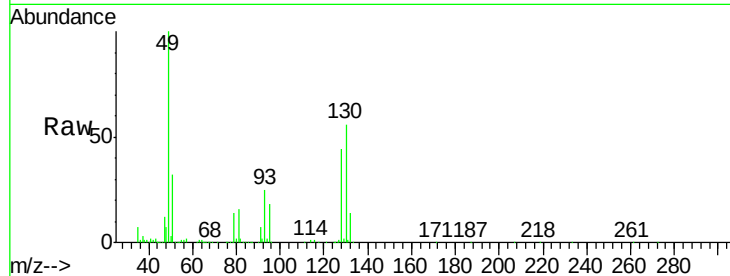
130 58.

Manual Integrations

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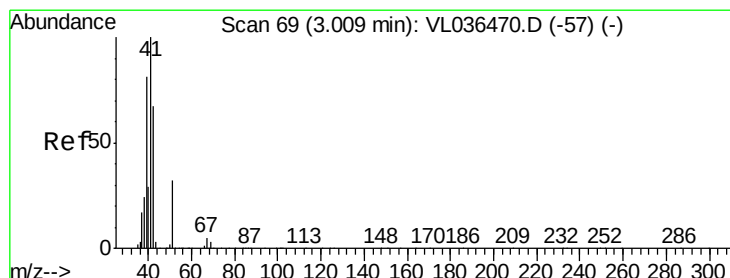
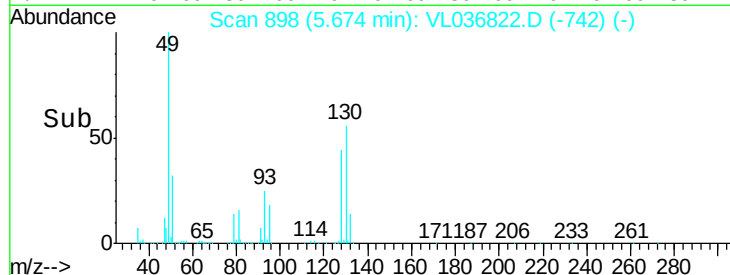
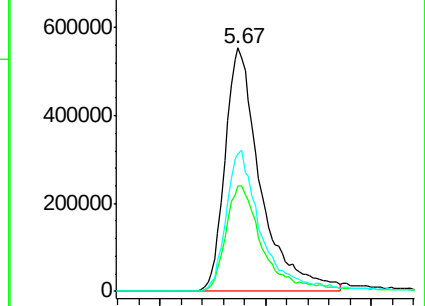
Supervised By :Mahesh Dadoda 04/21/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.427 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL036822.D

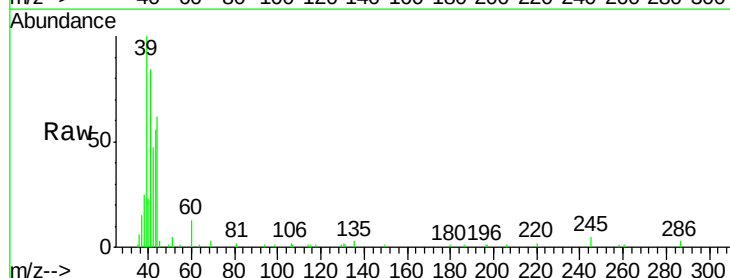
Acq: 20 Apr 2021 15:20

Tgt Ion: 41 Resp: 32873

Ion Ratio Lower Upper

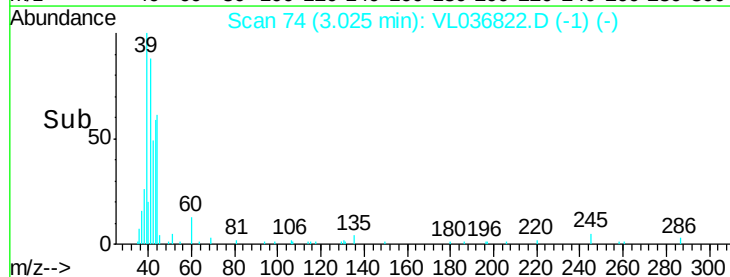
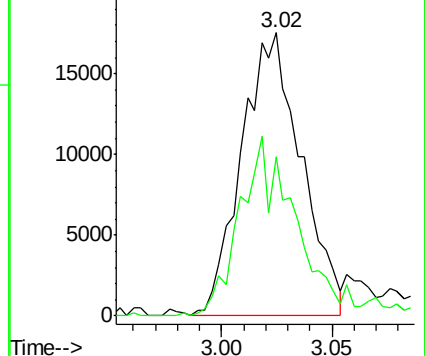
41 100

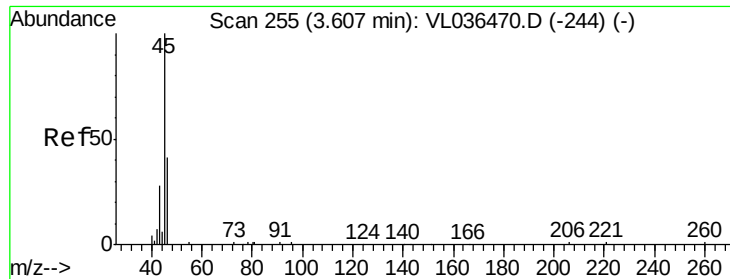
42 64.7 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



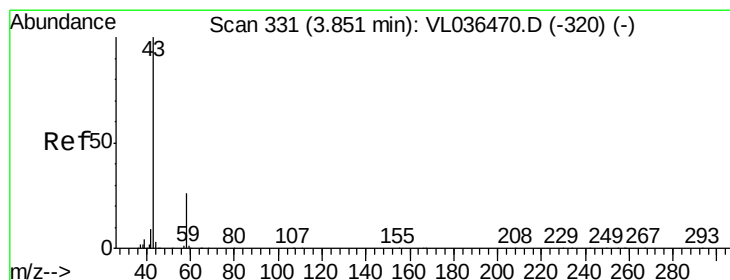
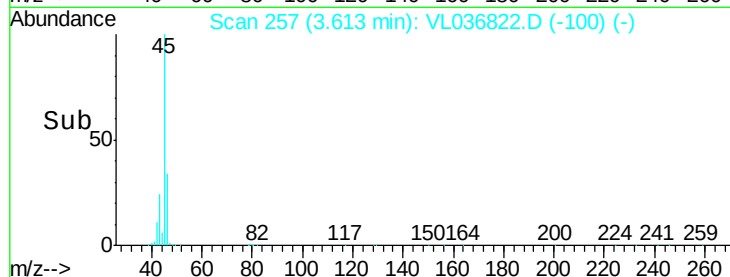
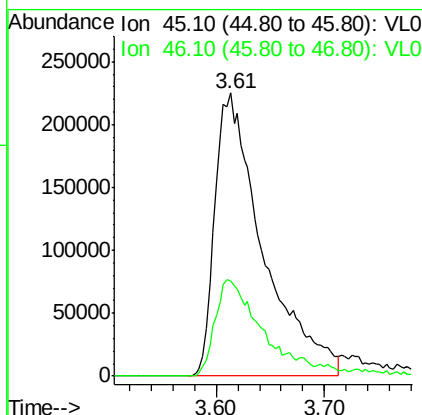
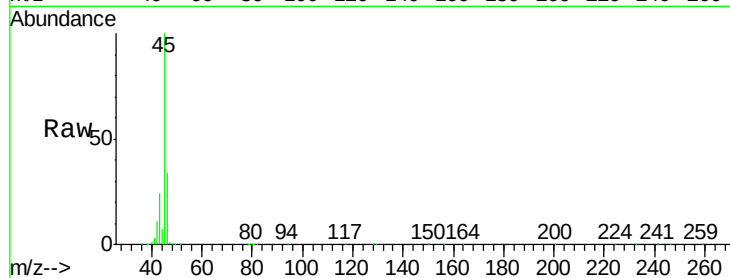


#13
Ethanol
Concen: 76.185 ppbv
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1
Acq: 20 Apr 2021 15:20

Tot Ion:
Ion Ratio
45 100
46 35.

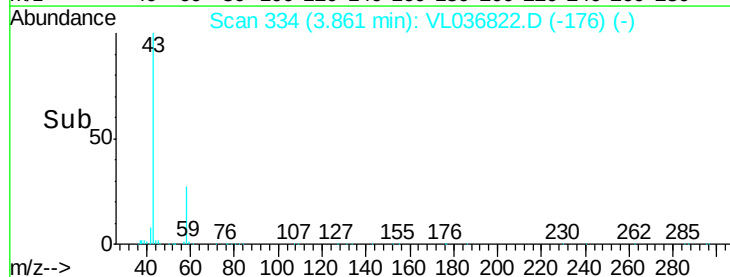
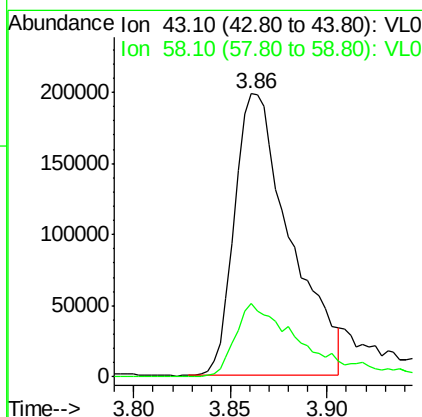
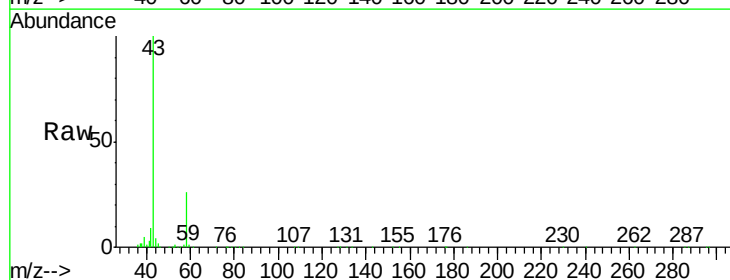
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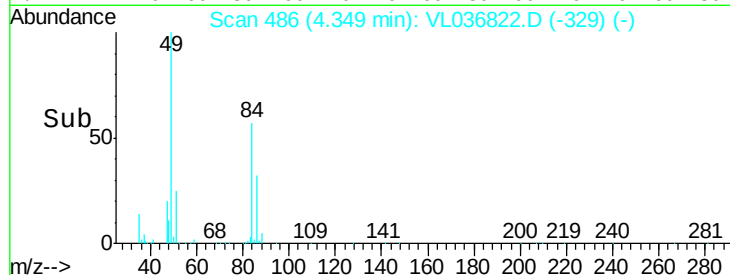
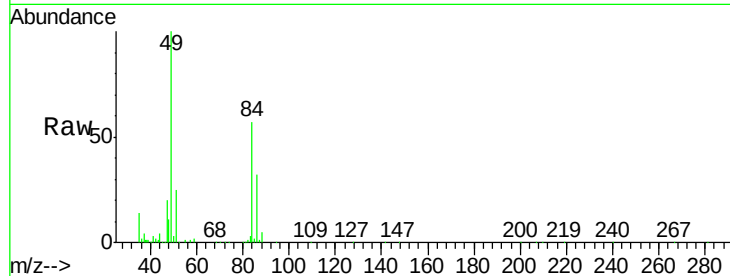
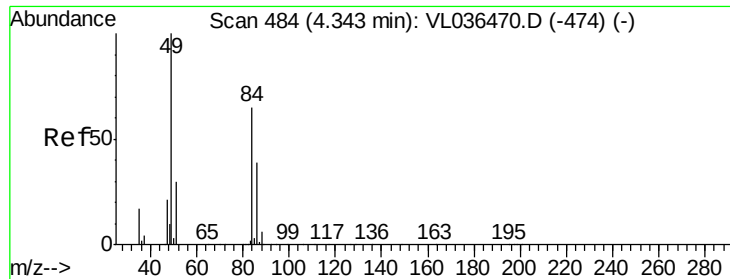
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#15
Acetone
Concen: 3.120 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036822.D
Acq: 20 Apr 2021 15:20

Tgt Ion: 43 Resp: 396825
Ion Ratio Lower Upper
43 100
58 33.7 21.2 31.8#



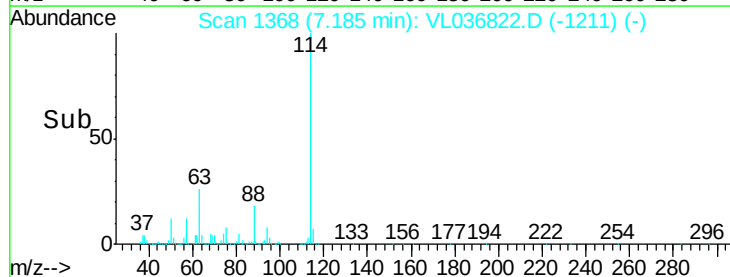
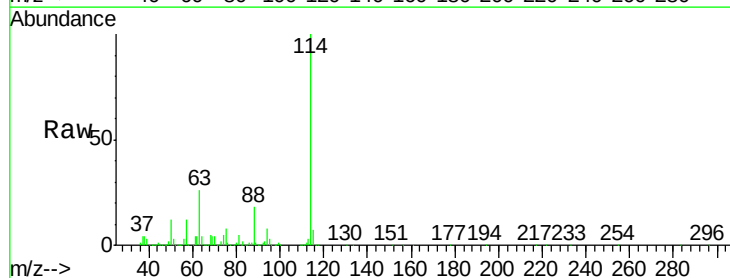
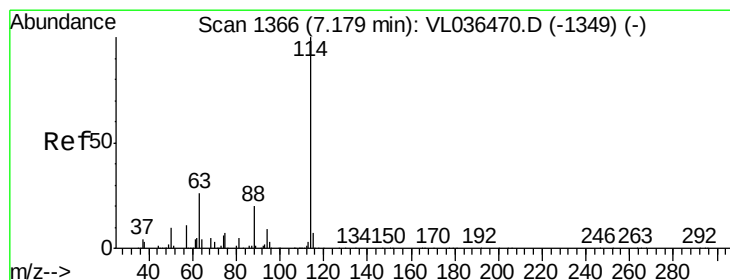
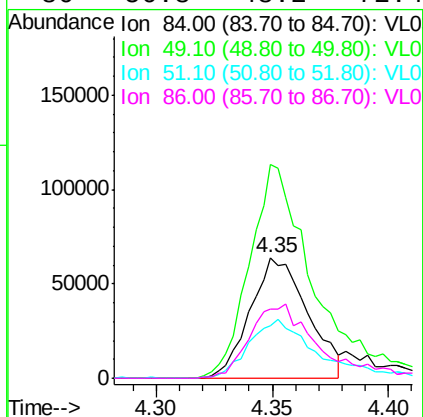


#20
Methvlene Chloride
Concen: 1.850 ppbv
RT: 4.35
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 20 Apr 2021 15:20

Tot Ion:
Ion Ratio
84 100
49 176.
51 43.
86 56.8 48.2 72.4

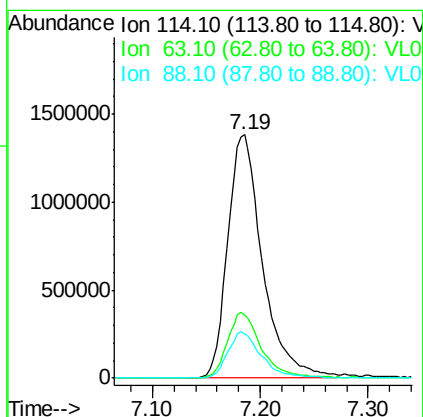
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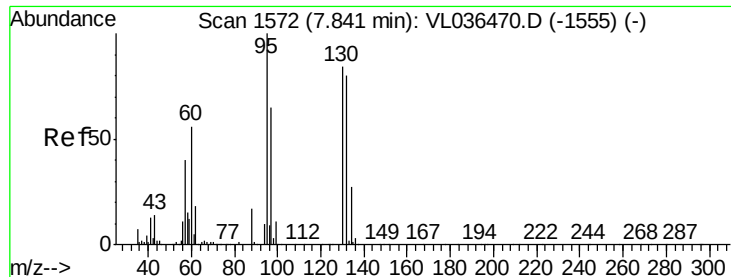
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL036822.D
Acq: 20 Apr 2021 15:20

Tgt Ion:114 Resp: 3108820
Ion Ratio Lower Upper
114 100
63 26.9 22.4 33.6
88 18.6 15.4 23.0





#38

Trichloroethene

Concen: 0.092 ppbv m

RT: 7.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 15:20

Tot Ion:1

Ion Ratio

130 100

95 135.

132 87.

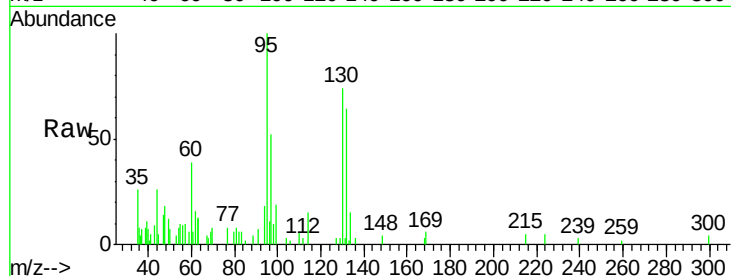
97 69.8 61.8 92.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021

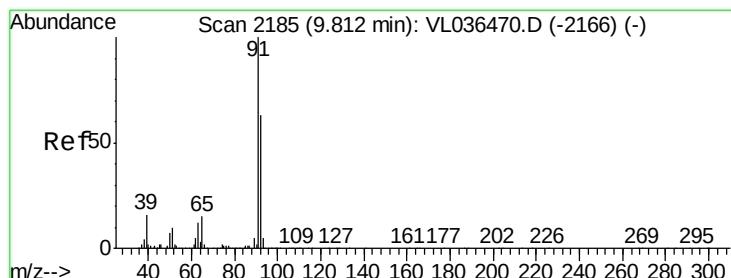
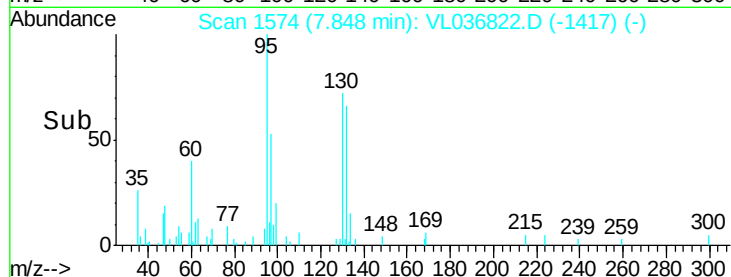
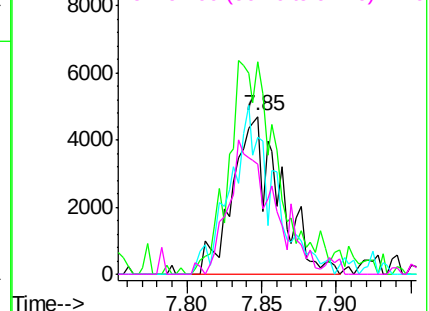


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#53

Toluene

Concen: 0.132 ppbv m

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL036822.D

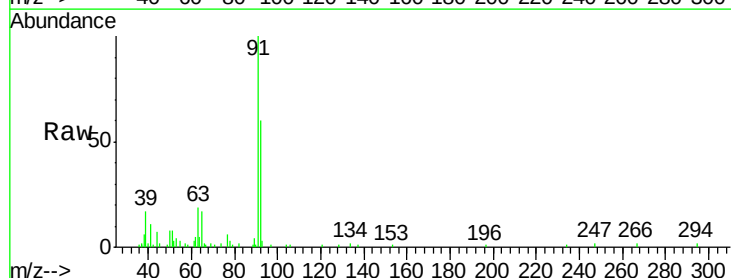
Acq: 20 Apr 2021 15:20

Tgt Ion: 91 Resp: 40211

Ion Ratio Lower Upper

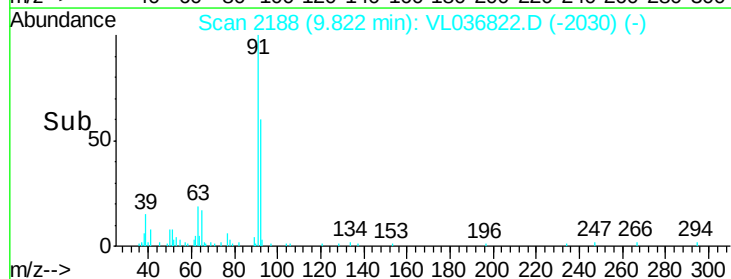
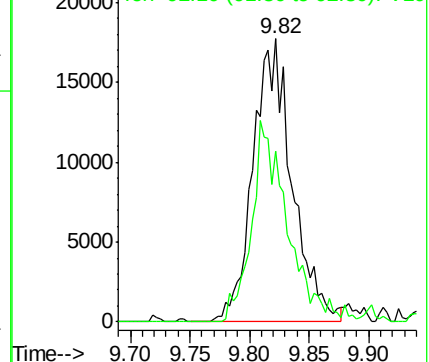
91 100

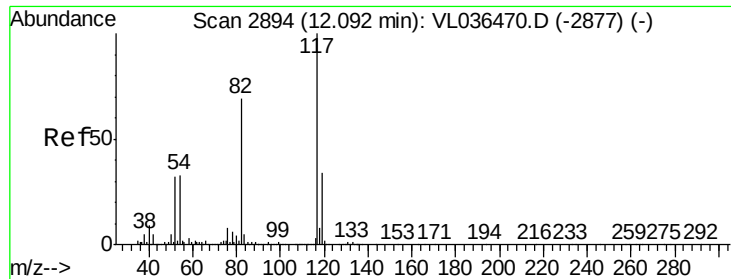
92 0.0 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 15:20

Tot Ion:1

Ion Rati

117 100

82 70.

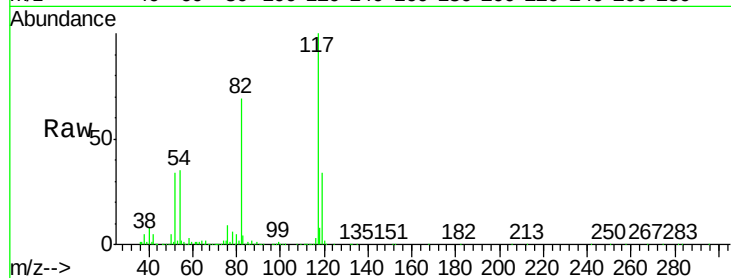
119 33.

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Reviewed By :Semsettin Yesilyurt 04/21/2021

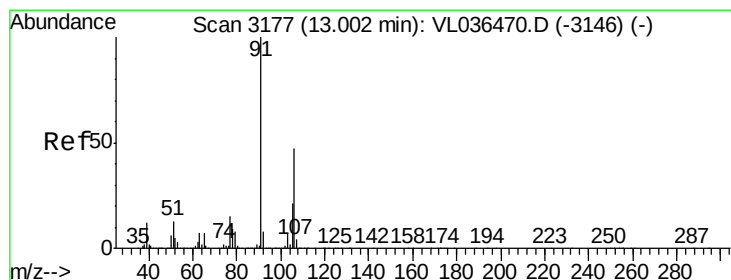
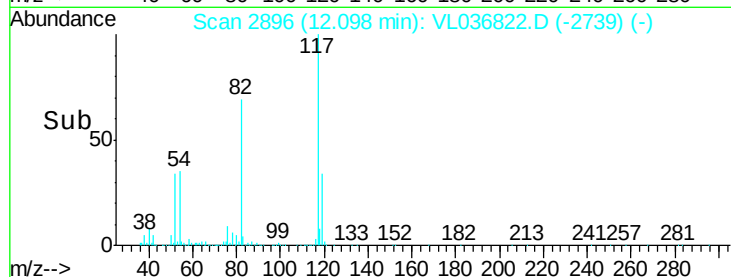
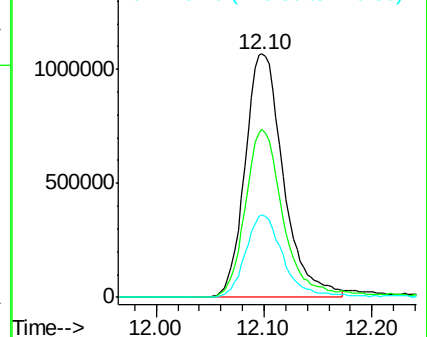
Supervised By :Mahesh Dadoda 04/21/2021



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#59

m/p-Xylene

Concen: 0.182 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. -0.02 min

Lab File: VL036822.D

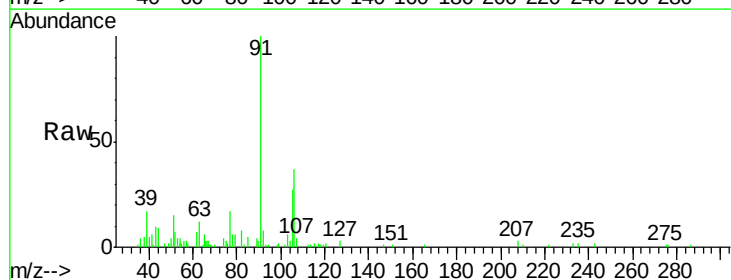
Acq: 20 Apr 2021 15:20

Tgt Ion: 91 Resp: 60800

Ion Ratio Lower Upper

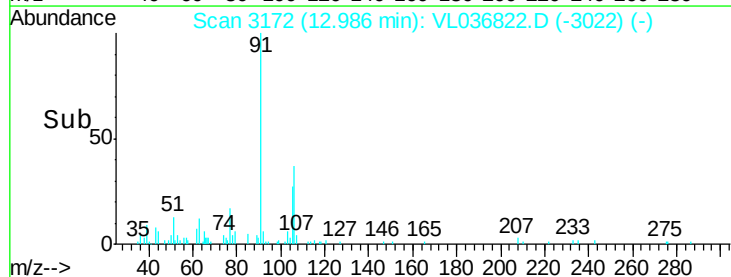
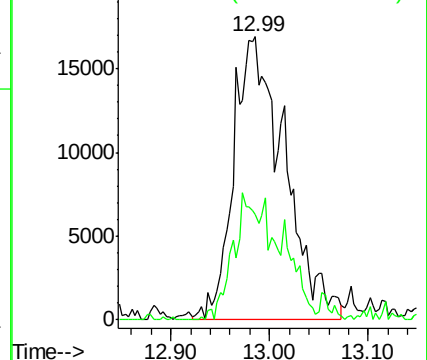
91 100

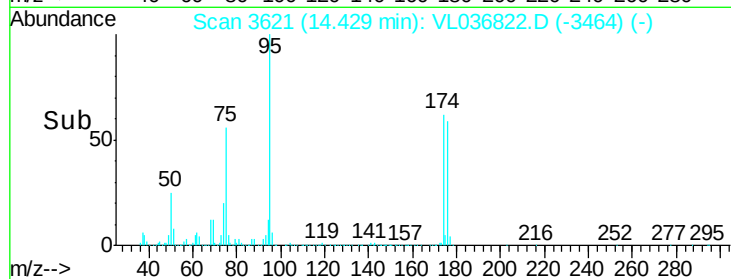
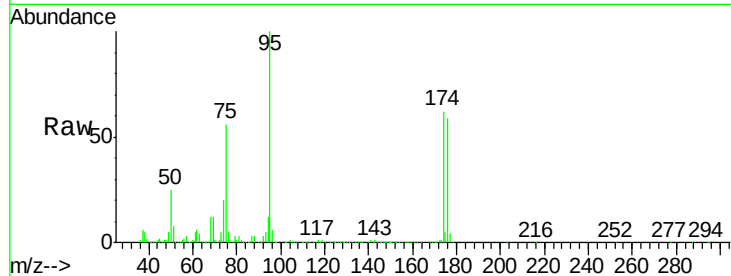
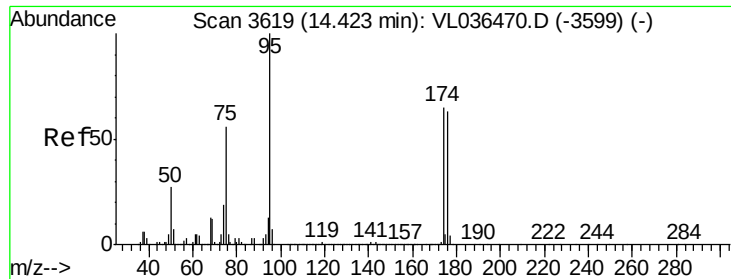
106 0.0 35.3 52.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.362 ppbv

RT: 14.43

Delta R.T

Lab File: ClientSampleId :

Acq: 20 Apr 2021 15:20

Tot Ion:

Ion Rati

95 100

174 68.

175 5.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 04/21/2021

