

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036805.D
 Acq On : 13 Apr 2021 16:18
 Operator : SY/AP
 Sample : M2018-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG5DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 14 09:57:36 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	1357388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3309196	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2647996	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1863535	8.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.12	43	118778m	0.577	ppbv	
13) Ethanol	3.63	45	31766m	3.299	ppbv	
15) Acetone	3.85	43	330335	2.473	ppbv	90
19) Isopropyl Alcohol	4.00	45	58421m	0.795	ppbv	
20) Methylene Chloride	4.34	84	250819	4.010	ppbv	91
26) Hexane	5.69	57	153340	1.040	ppbv #	44
53) Toluene	9.81	91	58337m	0.179	ppbv	
59) m/p-Xylene	12.98	91	57444m	0.171	ppbv	
62) Isopropylbenzene	14.67	105	621703	1.421	ppbv	100

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

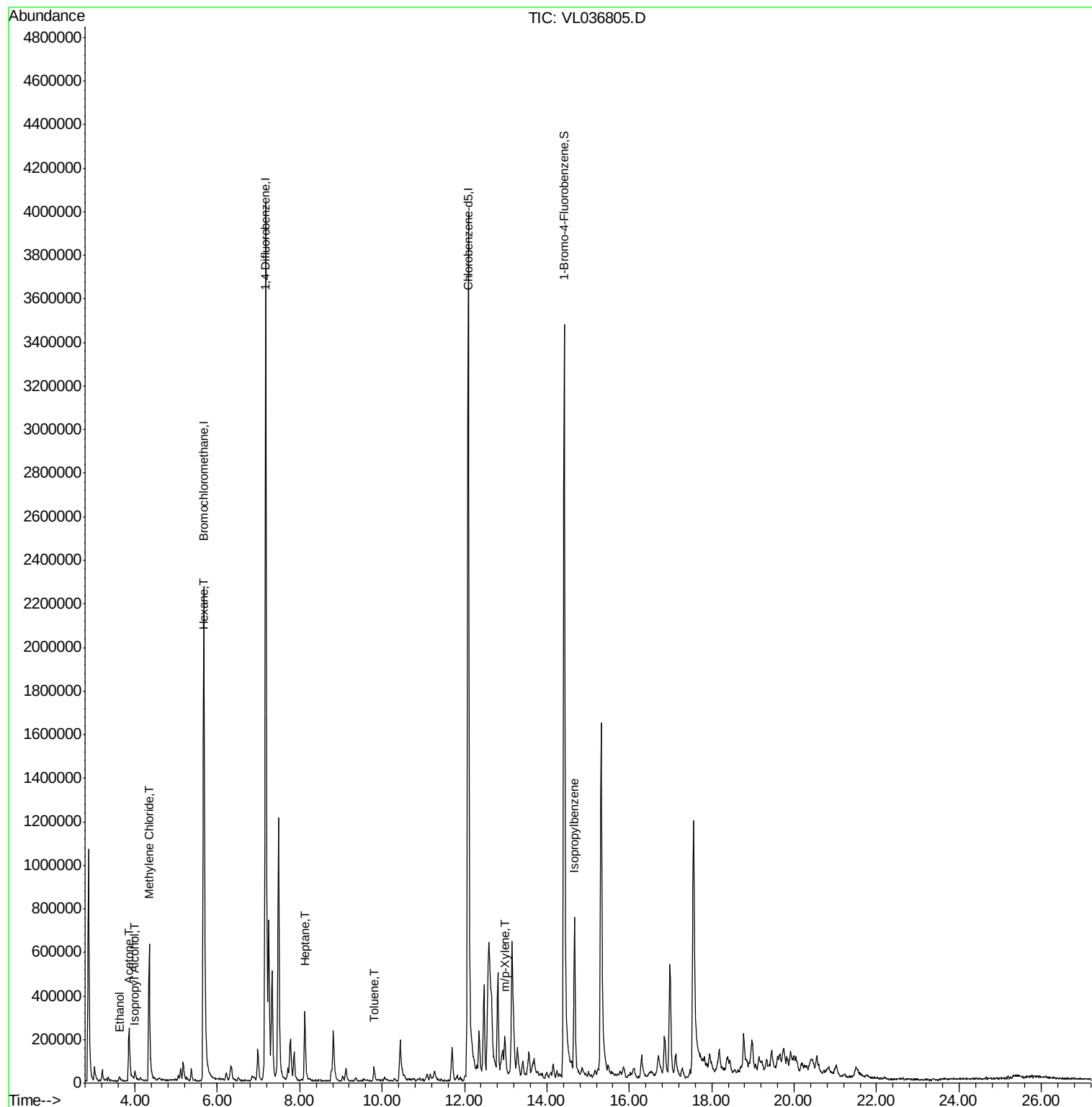
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041321\
Data File : VL036805.D
Acq On : 13 Apr 2021 16:18
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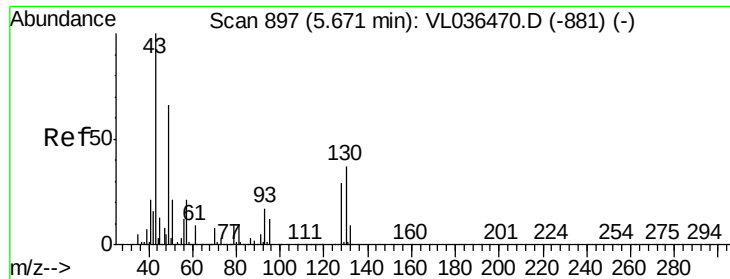
Instrument :
MSVOA_L
ClientSampleId :
SG5DL

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Quant Time: Apr 14 09:57:36 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

Reviewed By :Semsettin Yesilyurt 04/14/2021
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: SG5DL

Acq: 13 Apr 2021 16:18

Tot Ion:

Ion Ratio

49 100

128 46.

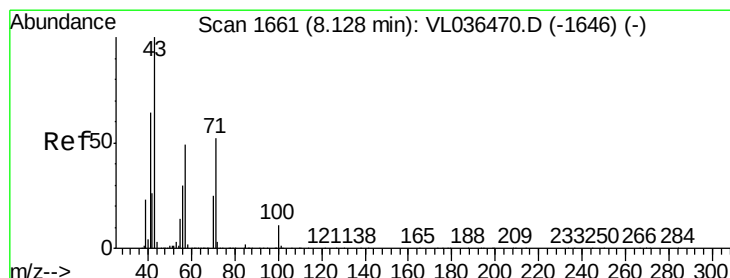
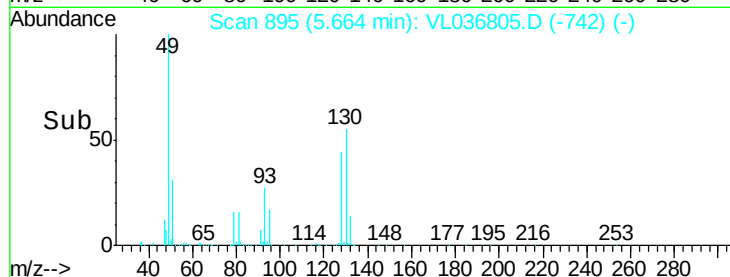
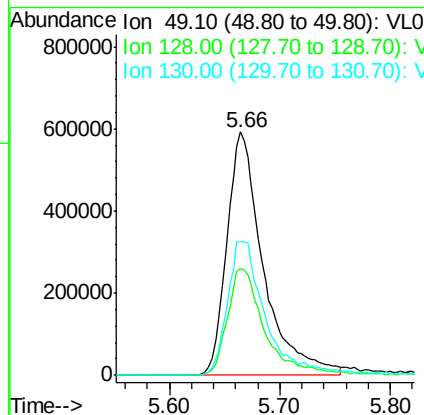
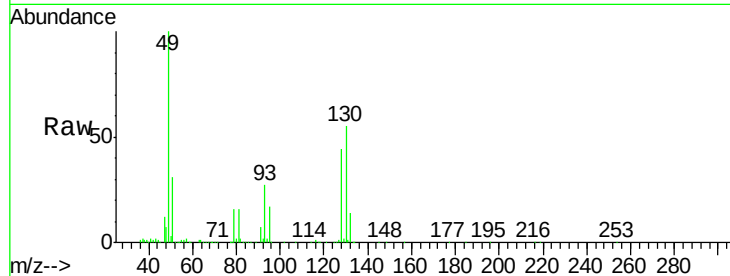
130 58.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#10

Heptane

Concen: 0.577 ppbv m

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036805.D

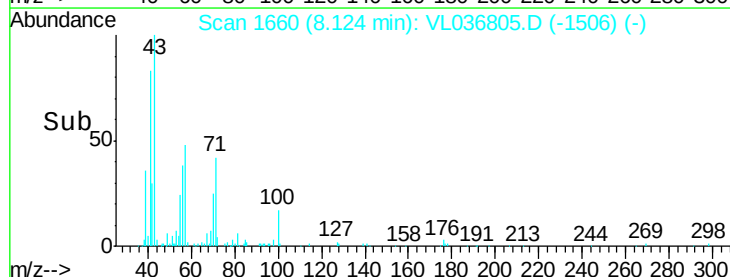
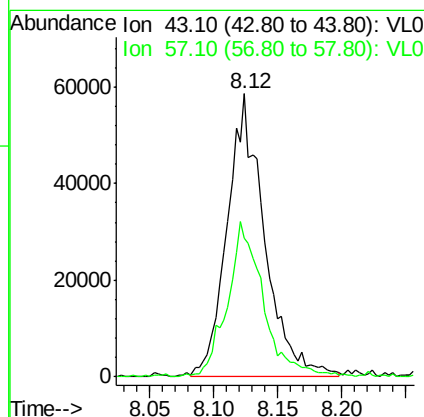
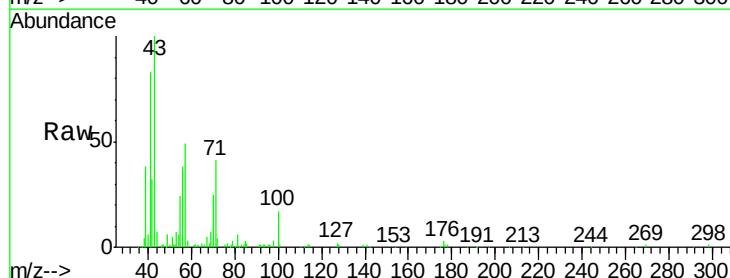
Acq: 13 Apr 2021 16:18

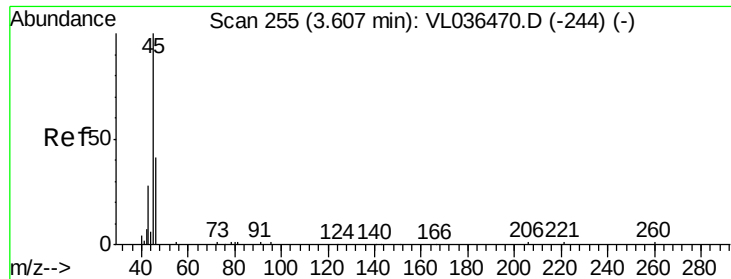
Tgt Ion: 43 Resp: 118778

Ion Ratio Lower Upper

43 100

57 54.1 39.0 58.6



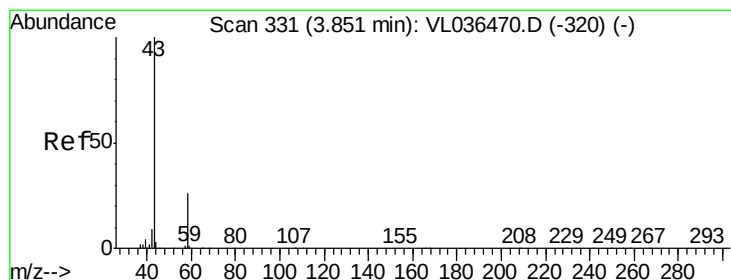
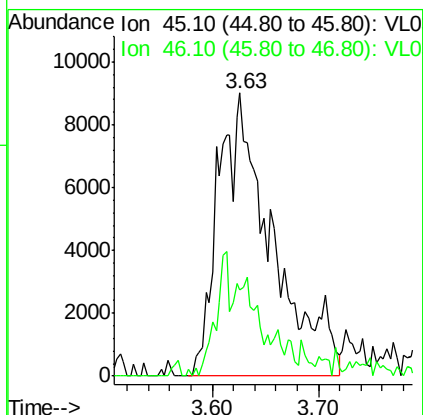
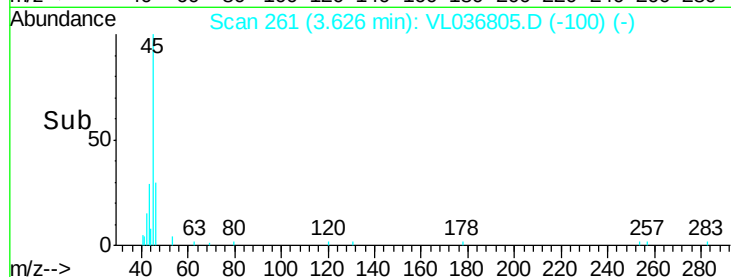
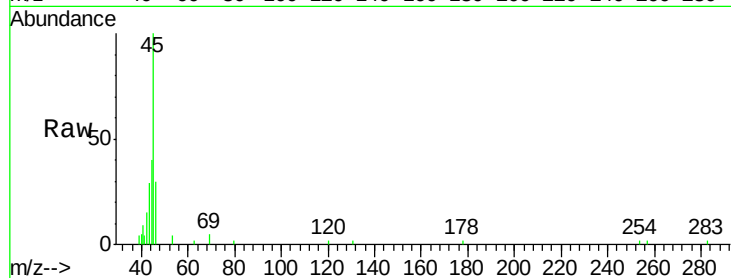


#13
Ethanol
Concen: 3.299 ppbv m
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 16:18 SG5DL

Tot Ion:
Ion Ratio
45 100
46 0.

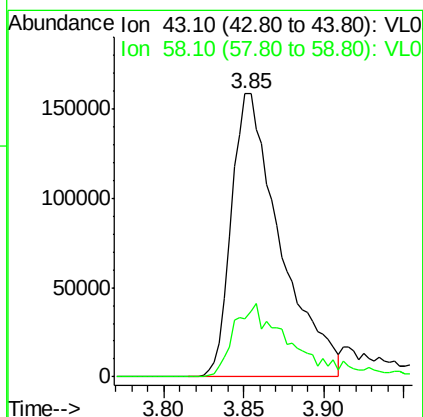
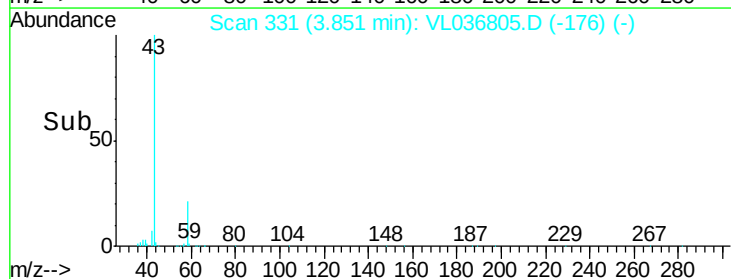
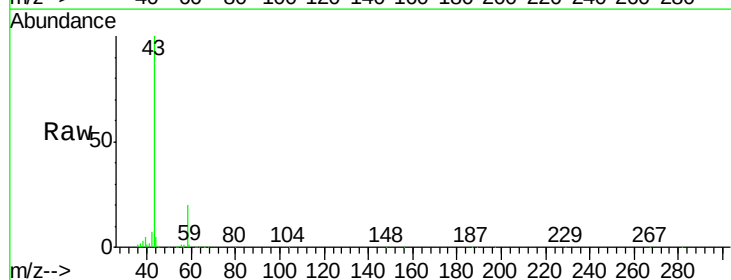
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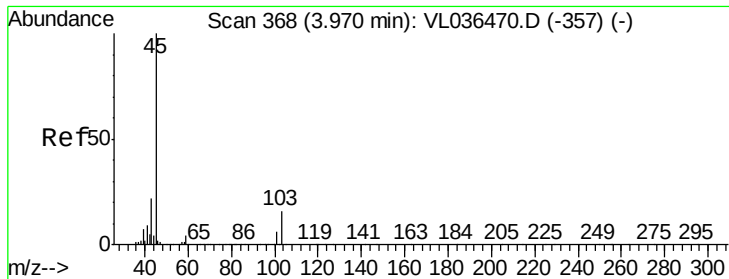
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#15
Acetone
Concen: 2.473 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036805.D
Acq: 13 Apr 2021 16:18

Tgt Ion: 43 Resp: 330335
Ion Ratio Lower Upper
43 100
58 31.7 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.795 ppbv m

RT: 4.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 16:18

Tot Ion:

Ion Ratio

45 100

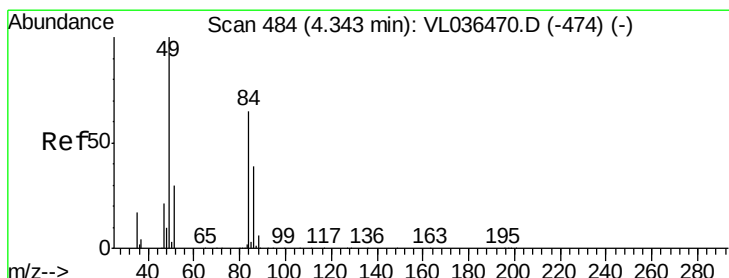
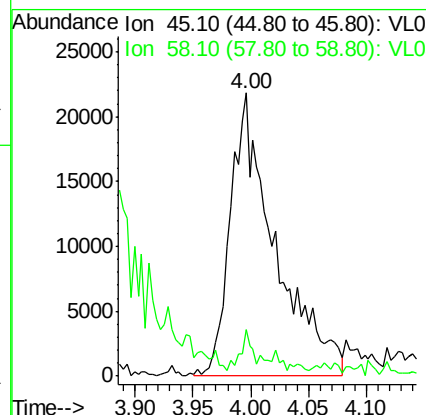
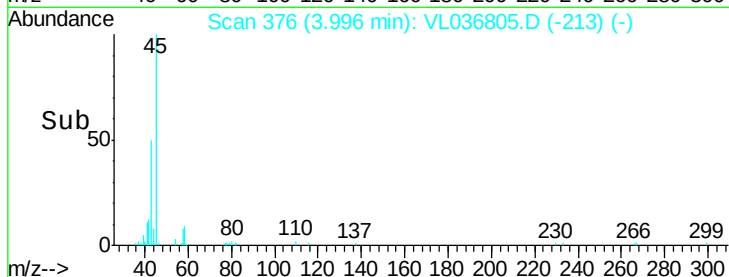
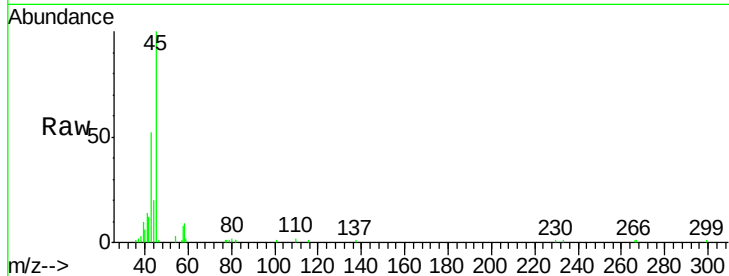
58 7.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#20

Methylene Chloride

Concen: 4.010 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036805.D

Acq: 13 Apr 2021 16:18

Tgt Ion: 84 Resp: 250819

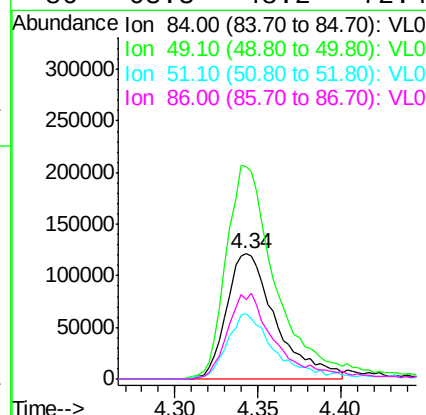
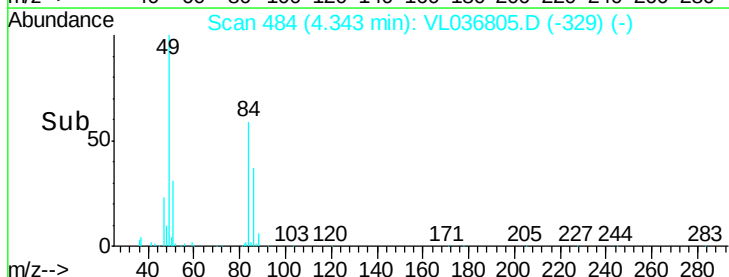
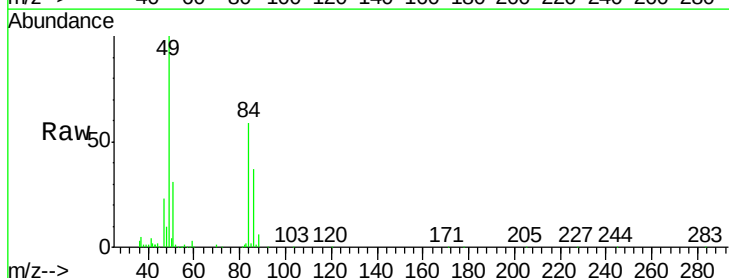
Ion Ratio Lower Upper

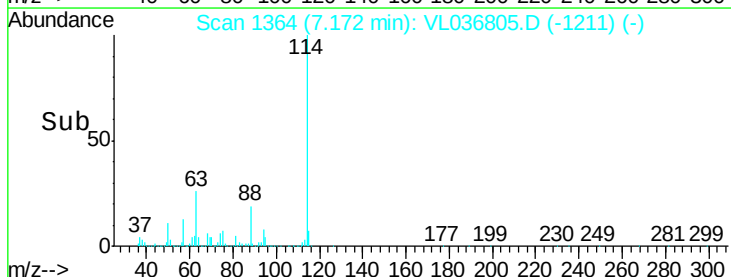
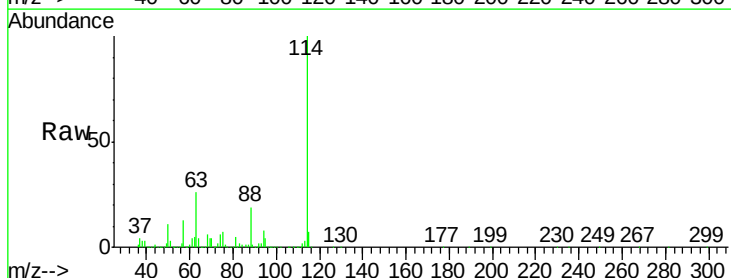
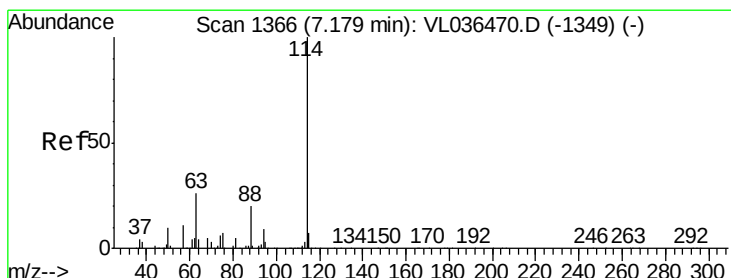
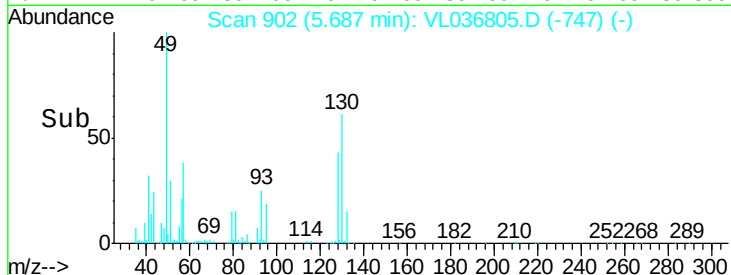
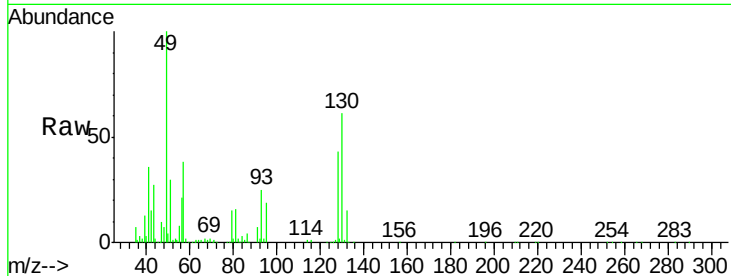
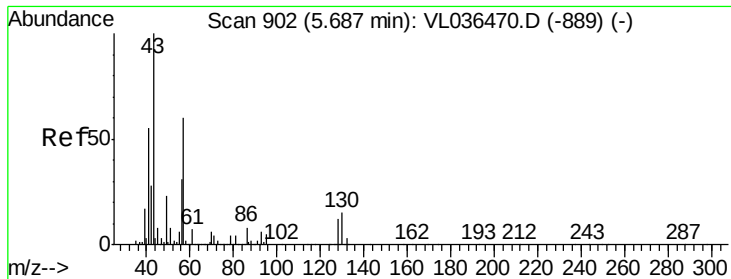
84 100

49 168.3 122.9 184.3

51 51.3 36.9 55.3

86 63.3 48.2 72.4



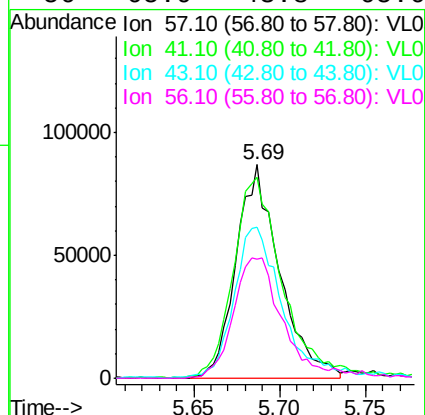


#26
Hexane
Concen: 1.040 ppbv
RT: 5.69
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 16:18

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 57 100
41 109.
43 80.
56 65.9 43.8 65.6#

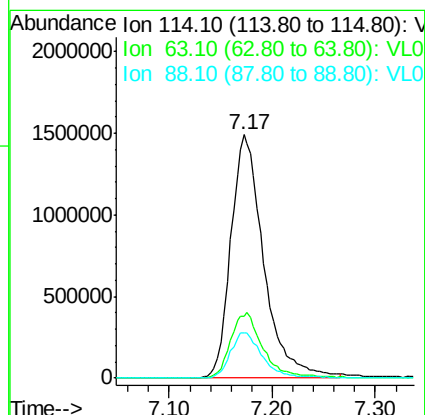
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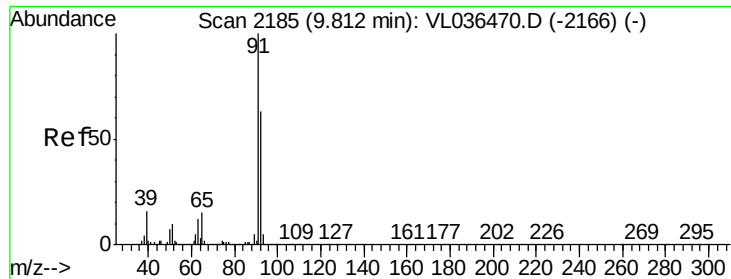
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036805.D
Acq: 13 Apr 2021 16:18

Tgt Ion:114 Resp: 3309196
Ion Ratio Lower Upper
114 100
63 26.8 22.4 33.6
88 18.6 15.4 23.0





#53

Toluene

Concen: 0.179 ppbv m

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 16:18 SG5DL

Tot Ion:

Ion Ratio

91 100

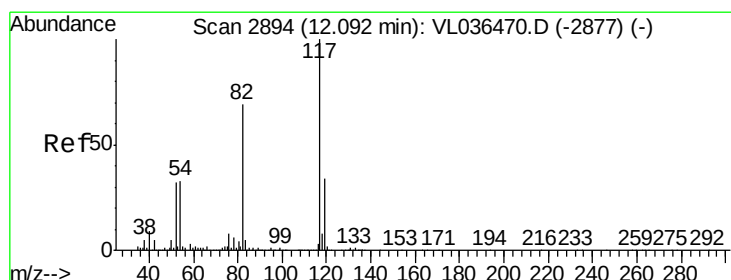
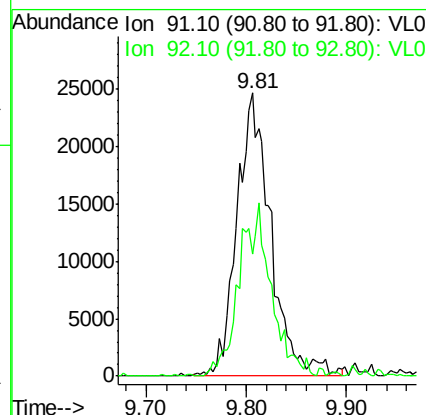
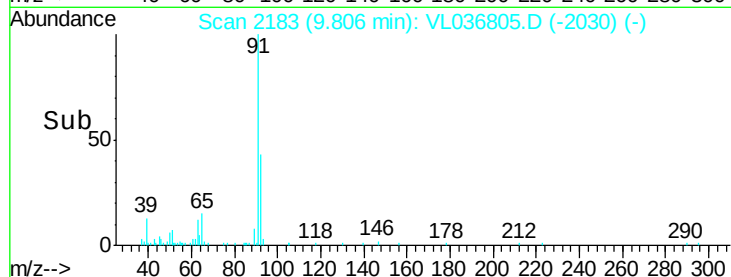
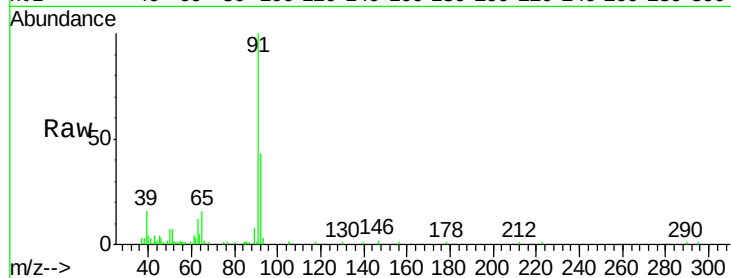
92 0.

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# 2893

Delta R.T. -0.00 min

Lab File: VL036805.D

Acq: 13 Apr 2021 16:18

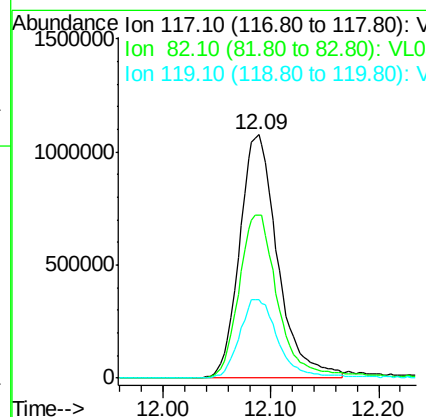
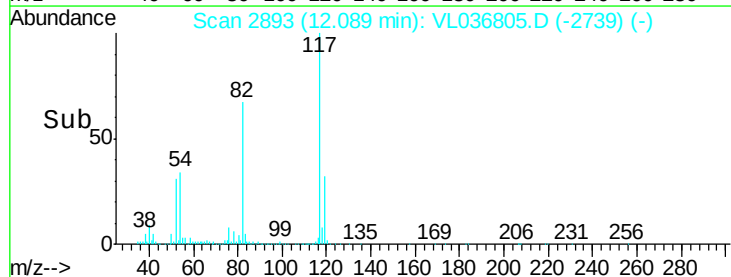
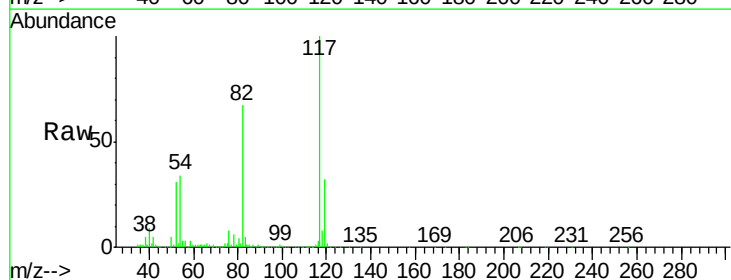
Tgt Ion:117 Resp: 2647996

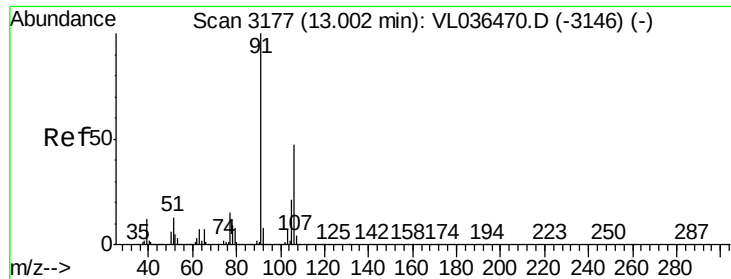
Ion Ratio Lower Upper

117 100

82 70.6 57.4 86.0

119 33.6 47.4 71.0#



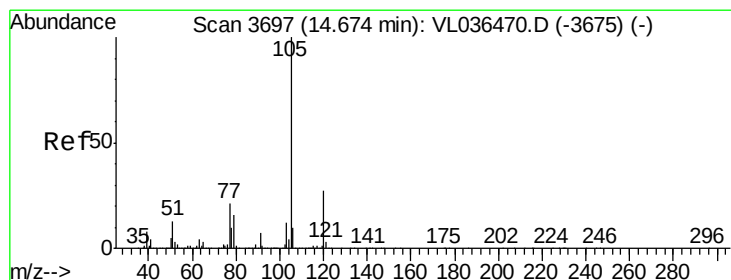
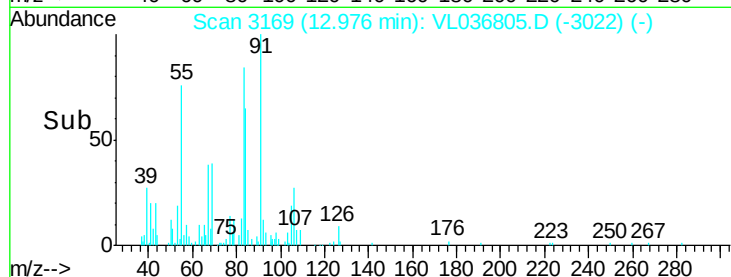
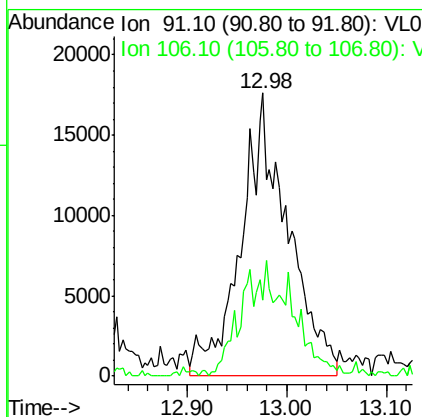
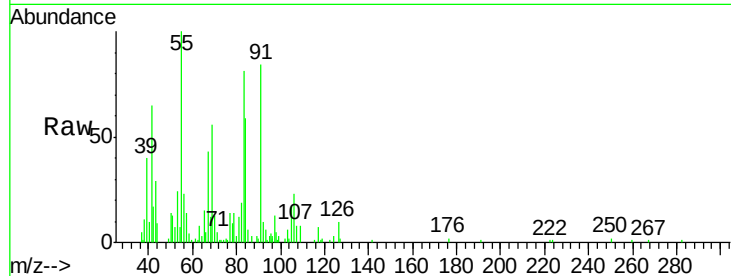


#59
m/p-Xylene
Concen: 0.171 ppbv m
RT: 12.98
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 16:18

Tot Ion:
Ion Ratio
91 100
106 0.

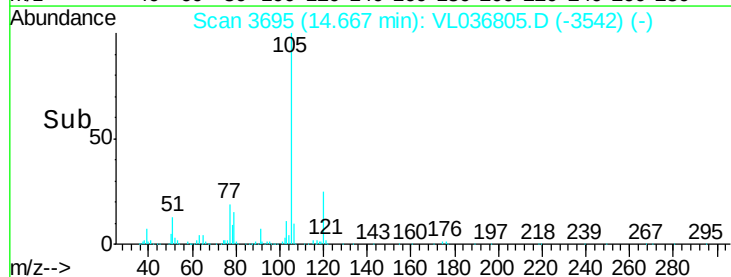
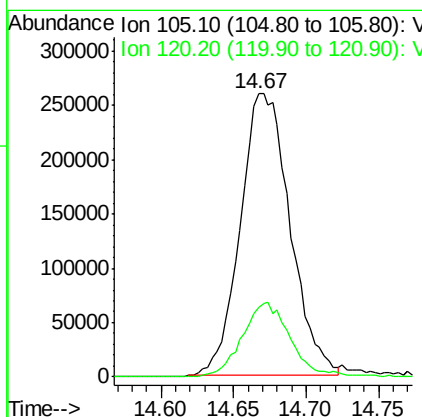
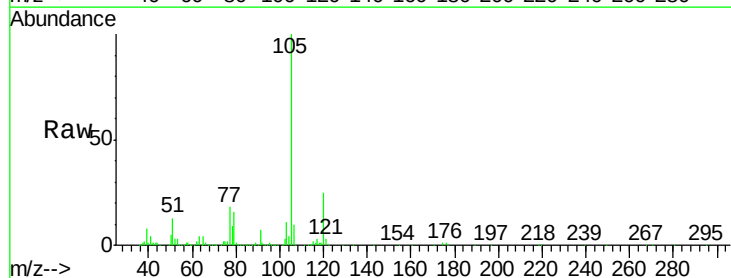
Manual Integrations
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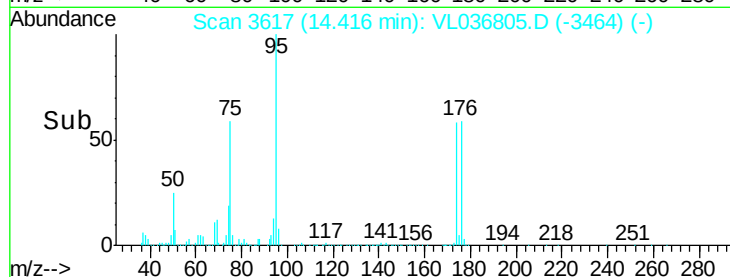
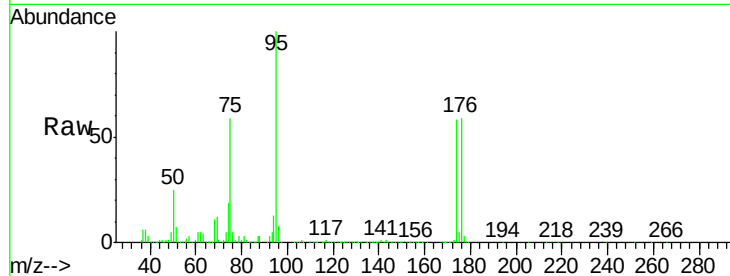
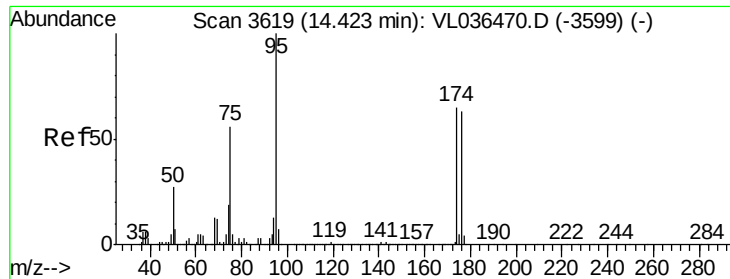
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#62
Isopropylbenzene
Concen: 1.421 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL036805.D
Acq: 13 Apr 2021 16:18

Tgt Ion:105 Resp: 621703
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





#68

1-Bromo-4-Fluorobenzene

Concen: 8.830 ppbv

RT: 14.42

Delta R.T

Lab File: ClientSampleId :

Acq: 13 Apr 2021 10:18

Tot Ion:

Ion Ratio

95 100

174 65.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021

