

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036815.D
 Acq On : 14 Apr 2021 00:00
 Operator : SY/AP
 Sample : M2018-03DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SG3DUP

Manual Integrations
 APPROVED

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

Quant Time: Apr 14 10:00:17 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	1232609	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3130045	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2436694	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1533748	7.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	28774	0.143	ppbv	94
3) Chlorodifluoromethane	2.98	51	58793	0.255	ppbv	93
4) Chloromethane	3.14	50	41958	0.516	ppbv	99
9) Propene	3.01	41	735051m	10.012	ppbv	
10) Heptane	8.12	43	30476m	0.163	ppbv	
11) Trichlorofluoromethane	3.94	101	41569	0.203	ppbv	95
13) Ethanol	3.62	45	216646	24.780	ppbv	91
15) Acetone	3.84	43	786803	6.485	ppbv	98
19) Isopropyl Alcohol	3.99	45	147980m	2.217	ppbv	
20) Methylene Chloride	4.34	84	1496543	26.347	ppbv	92
26) Hexane	5.68	57	1124010	8.398	ppbv #	47
30) Cyclohexane	7.17	84	22954m	0.211	ppbv	
35) Carbon Tetrachloride	7.02	117	13458m	0.056	ppbv	
36) Benzene	6.89	78	77509m	0.268	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	58512m	0.115	ppbv	
53) Toluene	9.80	91	287020m	0.934	ppbv	
59) m/p-Xylene	12.97	91	50784m	0.164	ppbv	

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

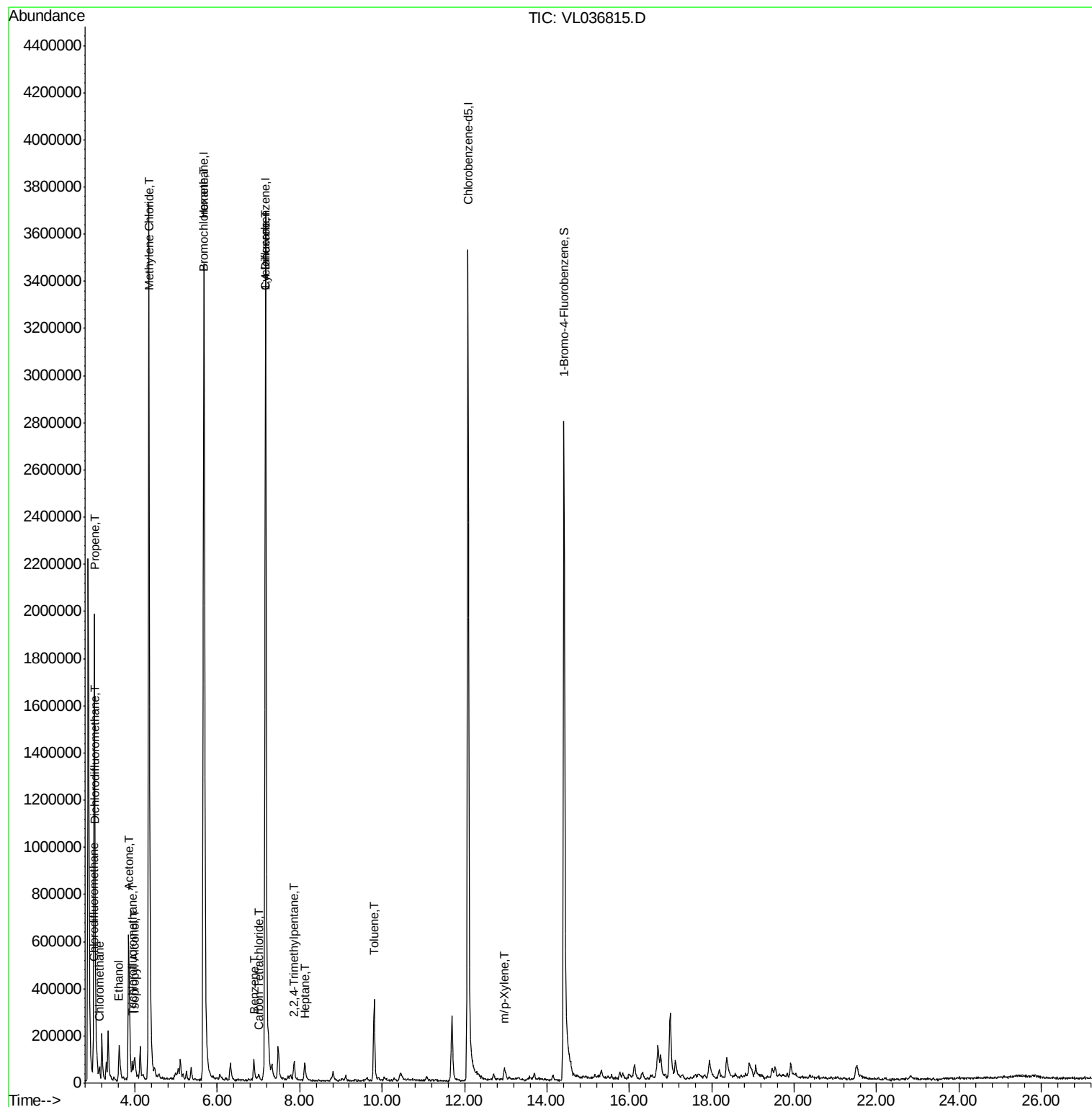
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041321\
Data File : VL036815.D
Acq On : 14 Apr 2021 00:00
Operator : SY/AP
Sample : M2018-03DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG3DUP

Quant Time: Apr 14 10:00:17 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
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Supervised By :Mahesh Dadoda 04/14/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2021 00:00 SG3DUP

Tot Ion:

Ion Ratio

49 100

128 47.

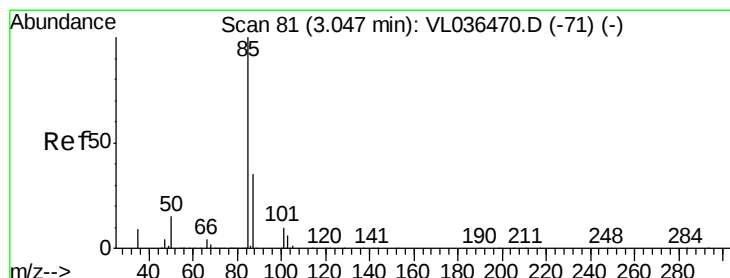
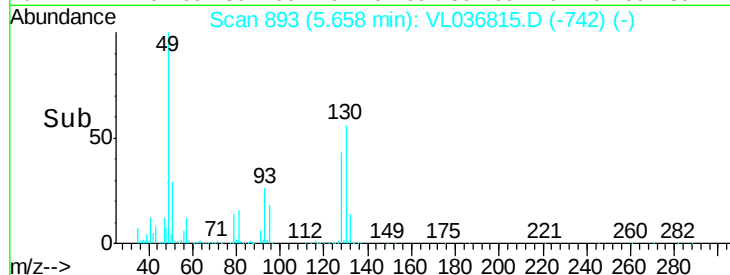
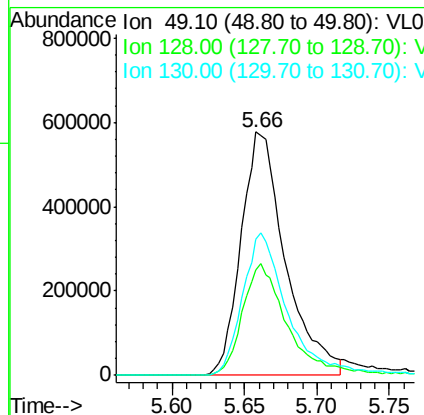
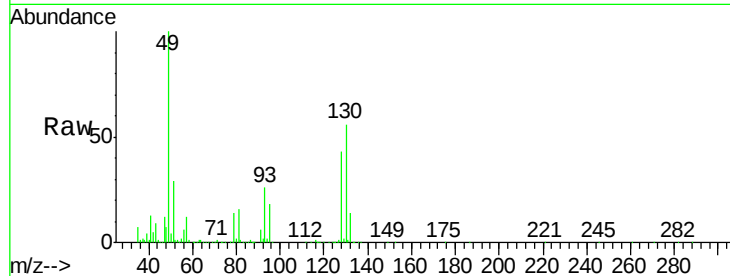
130 60.

Manual Integrations

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Supervised By :Mahesh Dadoda 04/14/2021



#2

Dichlorodifluoromethane

Concen: 0.143 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036815.D

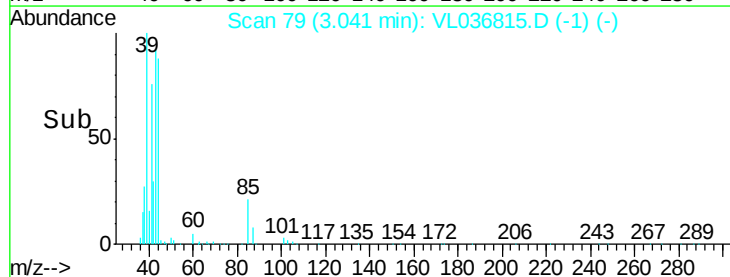
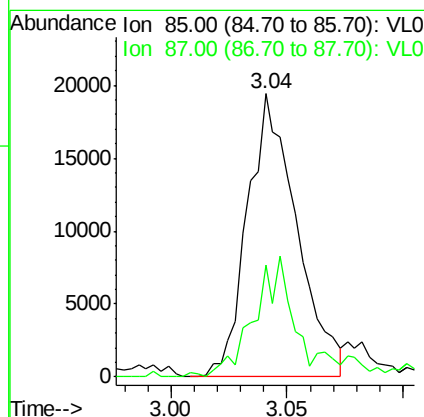
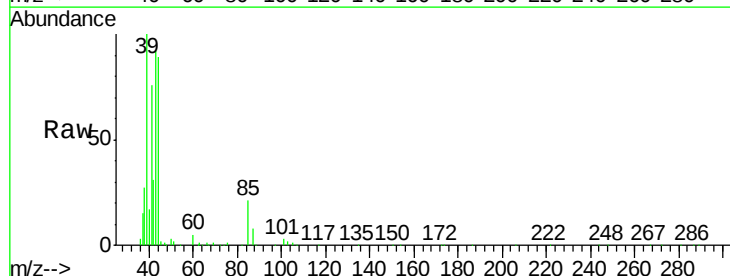
Acq: 14 Apr 2021 00:00

Tgt Ion: 85 Resp: 28774

Ion Ratio Lower Upper

85 100

87 38.1 27.8 41.8





#3

Chlorodifluoromethane

Concen: 0.255 ppbv

RT: 2.98 Instrument: MSVOA_L

Delta R.T. -0.00

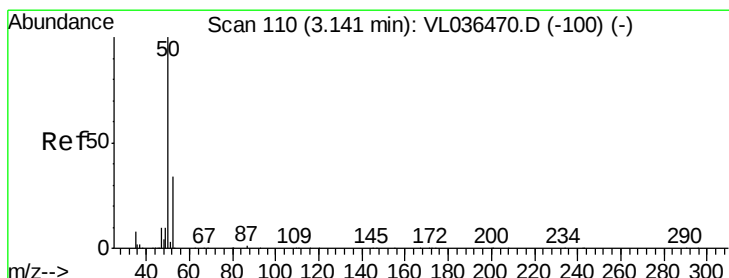
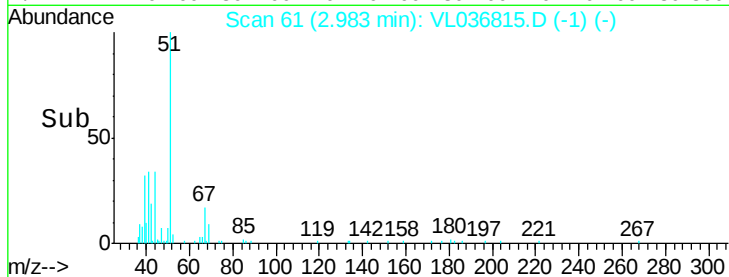
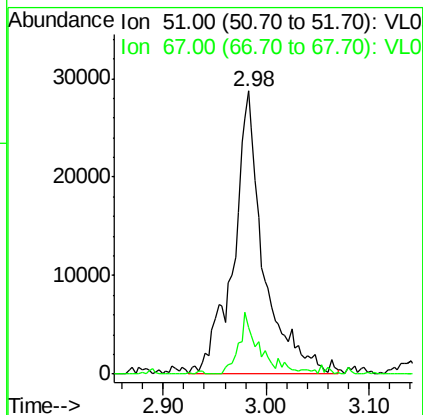
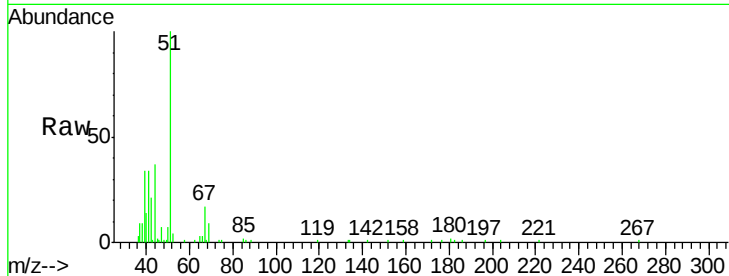
Lab File: ClientSampleId :

Acq: 14 Apr 2021 00:00

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Supervised By :Mahesh Dadoda 04/14/2021

Tot Ion:
Ion Ratio
51 100
67 15.



#4

Chloromethane

Concen: 0.516 ppbv

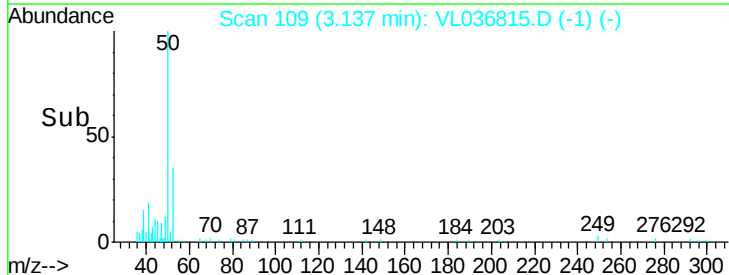
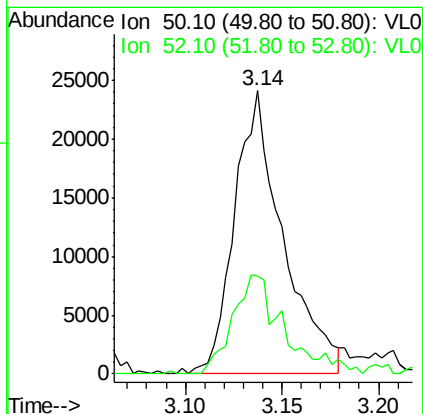
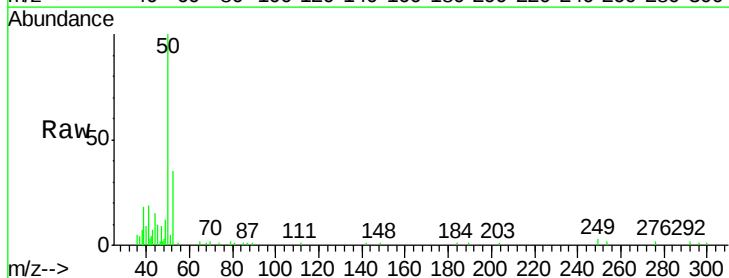
RT: 3.14 min Scan# 109

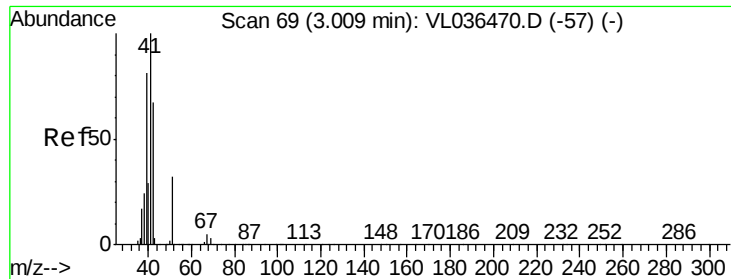
Delta R.T. -0.00 min

Lab File: VL036815.D

Acq: 14 Apr 2021 00:00

Tgt Ion: 50 Resp: 41958
Ion Ratio Lower Upper
50 100
52 34.6 27.0 40.6



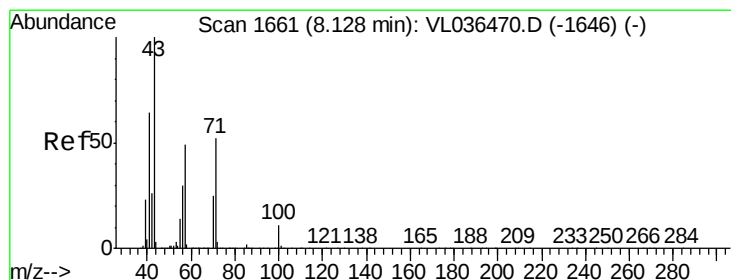
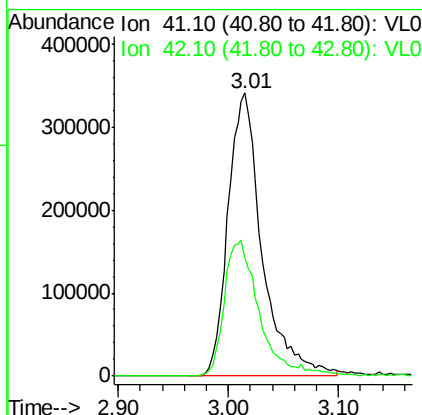
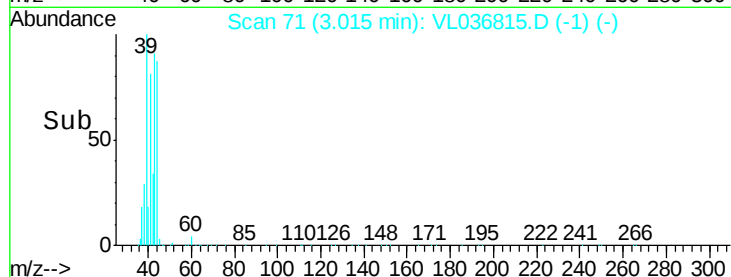
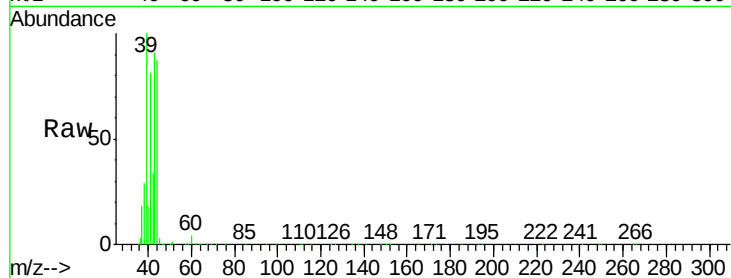


#9
 Propene
 Concen: 10.012 ppbv m
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2021 00:00

Tot Ion:
 Ion Ratio
 41 100
 42 5.

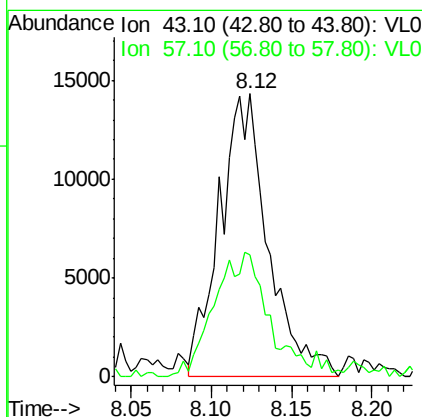
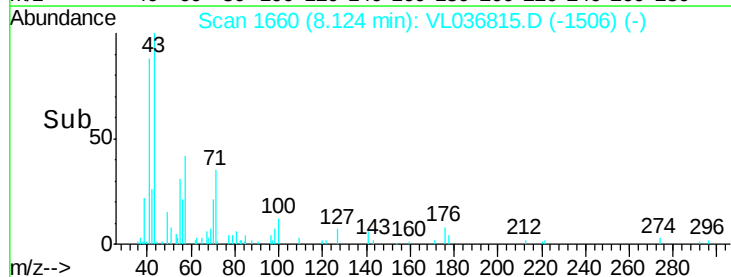
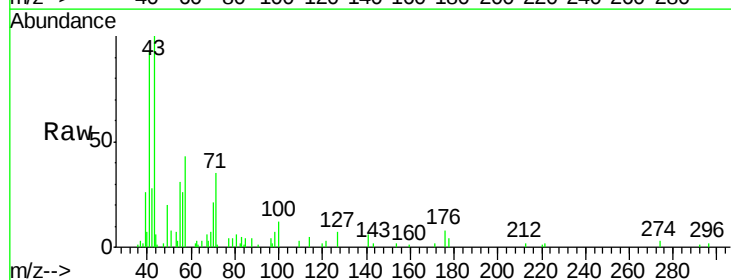
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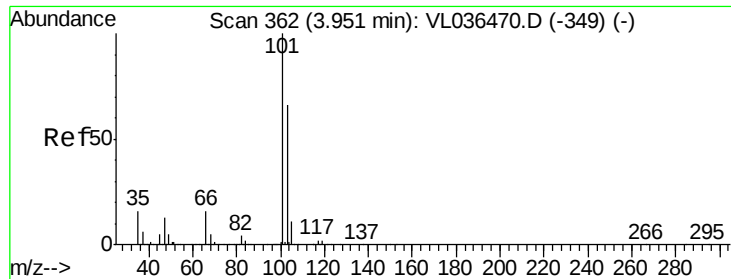
Reviewed By :Semsettin Yesilyurt 04/14/2021
 Supervised By :Mahesh Dadoda 04/14/2021



#10
 Heptane
 Concen: 0.163 ppbv m
 RT: 8.12 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VL036815.D
 Acq: 14 Apr 2021 00:00

Tgt Ion: 43 Resp: 30476
 Ion Ratio Lower Upper
 43 100
 57 51.4 39.0 58.6



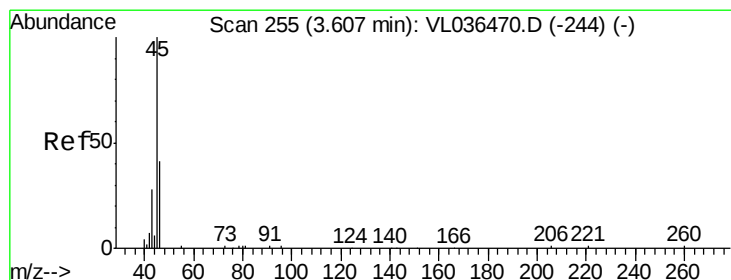
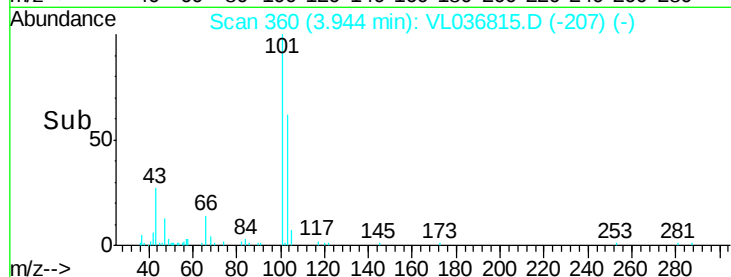
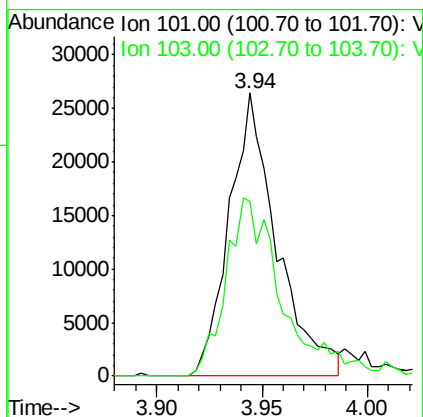
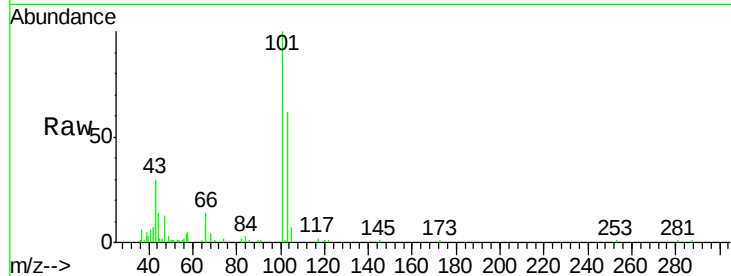


#11
 Trichlorofluoromethane
 Concen: 0.203 ppbv
 RT: 3.94
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 14 Apr 2021 00:00

Tot Ion:1
 Ion Rati
 101 100
 103 61.

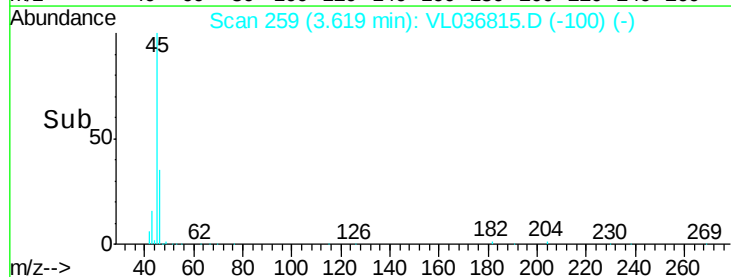
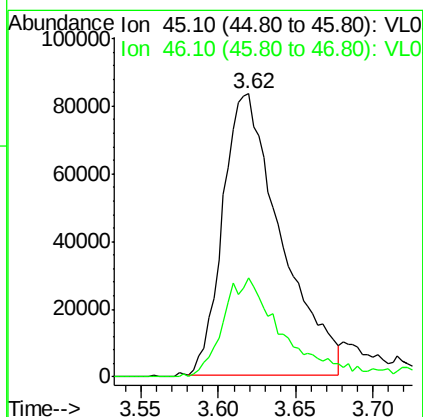
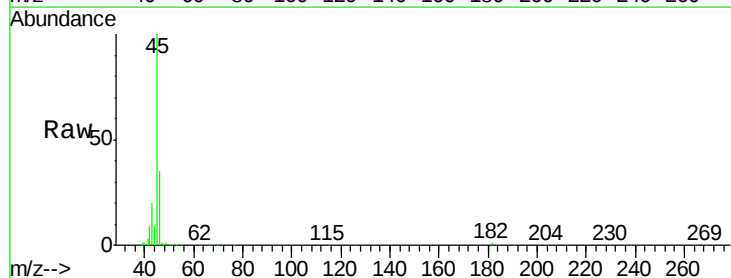
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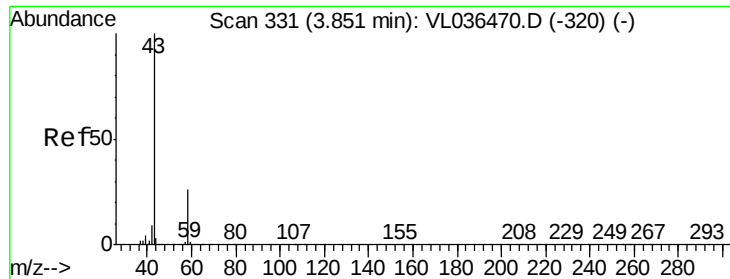
Reviewed By :Semsettin Yesilyurt 04/14/2021
 Supervised By :Mahesh Dadoda 04/14/2021



#13
 Ethanol
 Concen: 24.780 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL036815.D
 Acq: 14 Apr 2021 00:00

Tgt Ion: 45 Resp: 216646
 Ion Ratio Lower Upper
 45 100
 46 35.6 16.6 66.2



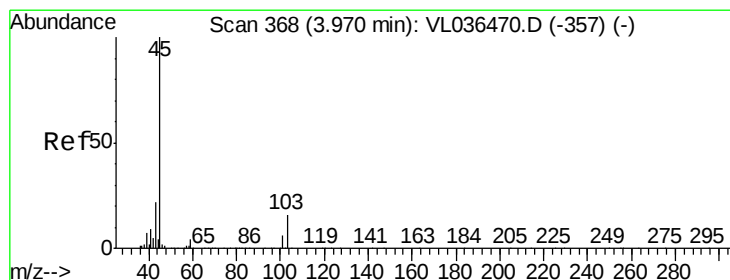
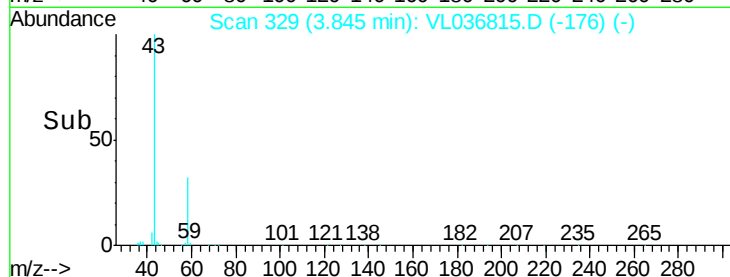
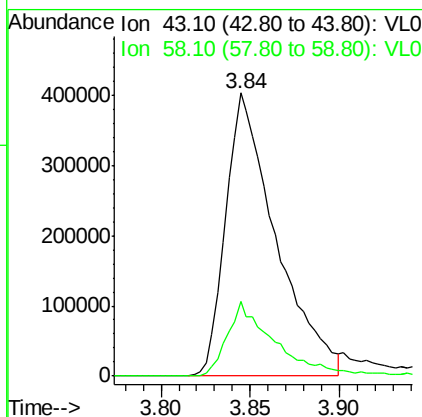
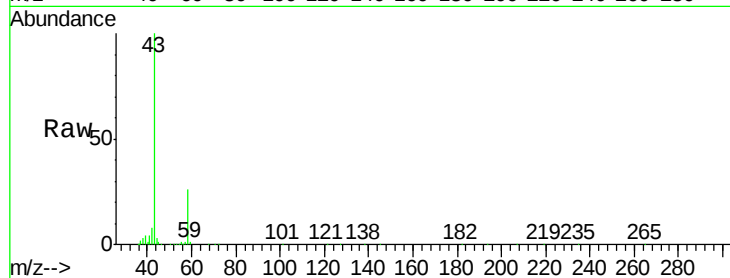


#15
Acetone
Concen: 6.485 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2021 00:00

Tot Ion:
Ion Ratio
43 100
58 25.

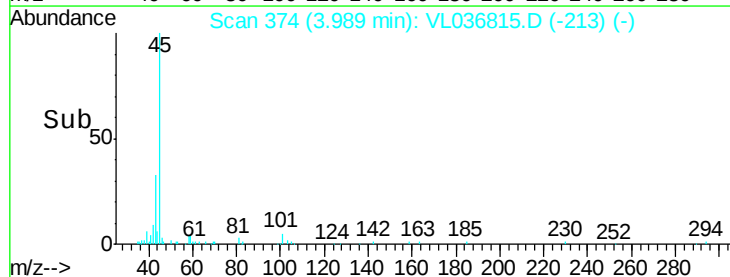
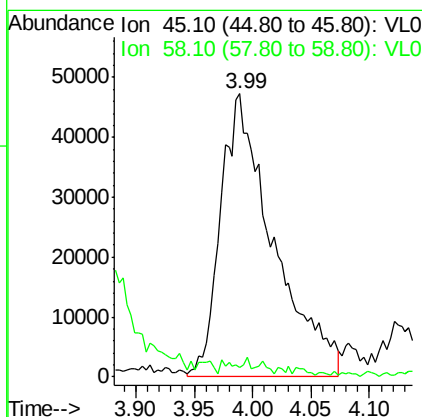
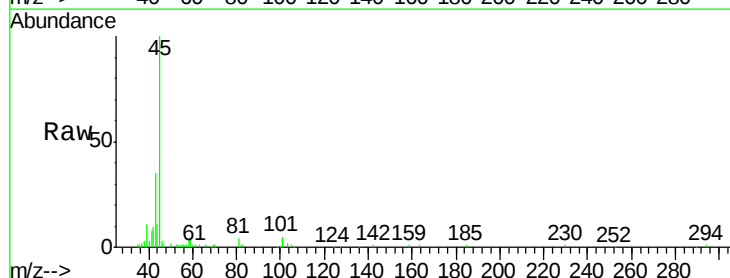
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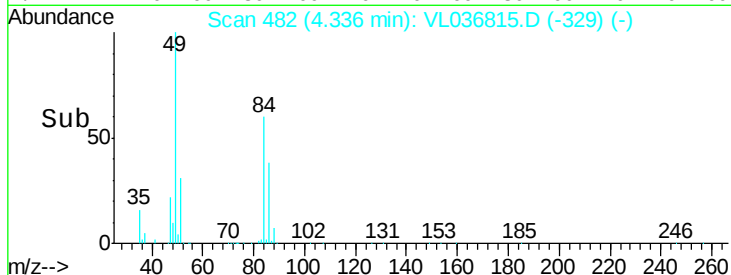
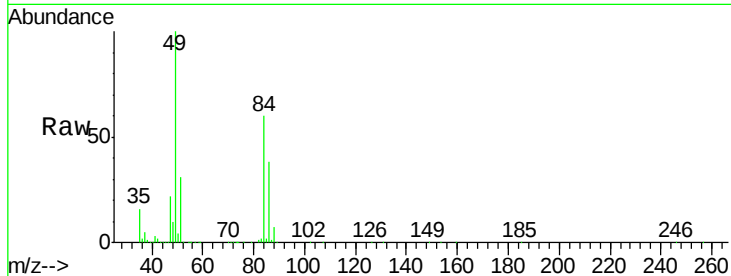
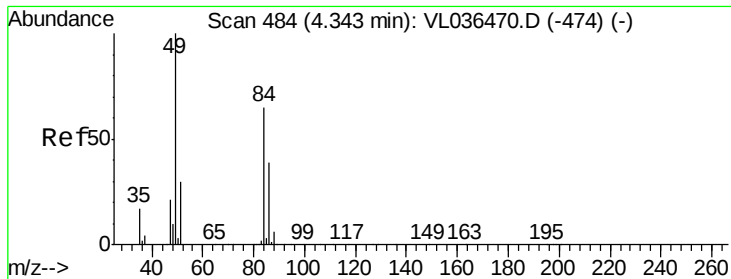
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#19
Isopropyl Alcohol
Concen: 2.217 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036815.D
Acq: 14 Apr 2021 00:00

Tgt Ion: 45 Resp: 147980
Ion Ratio Lower Upper
45 100
58 7.9 2.9 4.3#



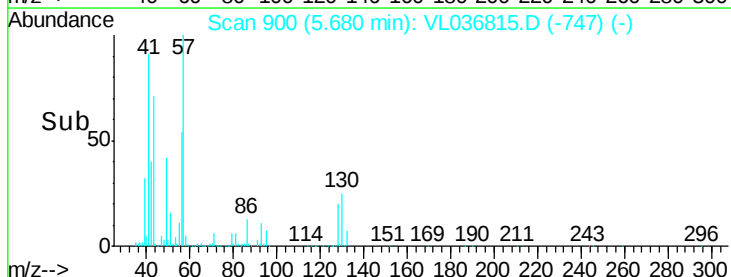
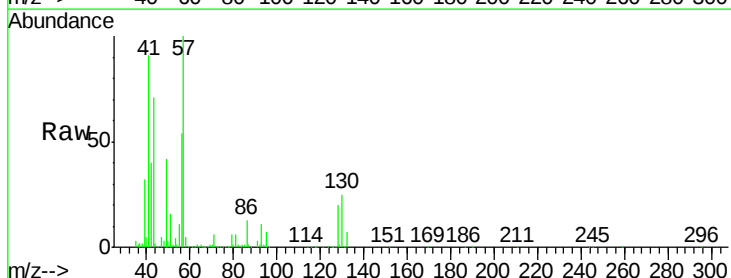
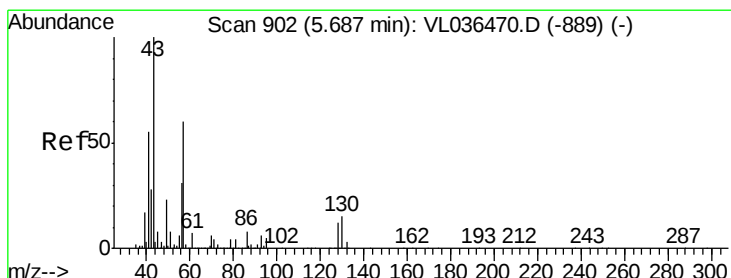
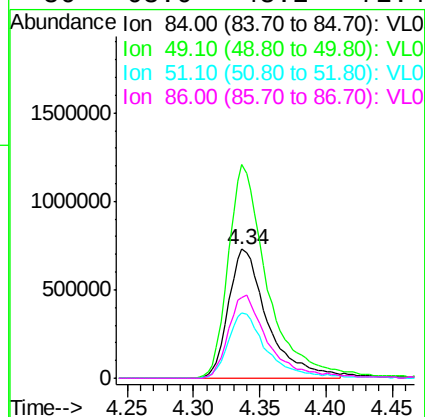


#20
Methvlene Chloride
Concen: 26.347 ppbv
RT: 4.34
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 14 Apr 2021 00:00

Tot Ion:
Ion Ratio
84 100
49 165.
51 50.
86 63.0 48.2 72.4

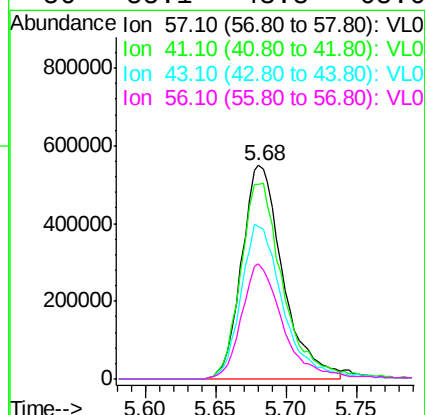
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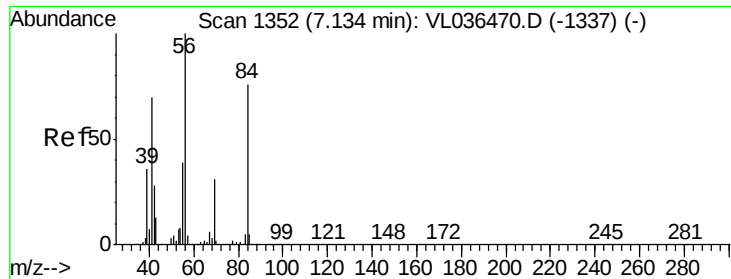
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#26
Hexane
Concen: 8.398 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036815.D
Acq: 14 Apr 2021 00:00

Tgt Ion: 57 Resp: 1124010
Ion Ratio Lower Upper
57 100
41 96.3 77.2 115.8
43 75.0 173.8 260.6#
56 55.1 43.8 65.6



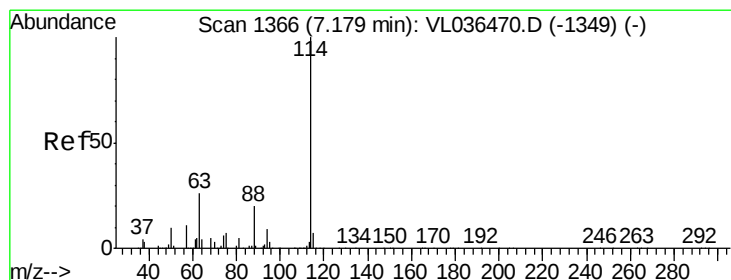
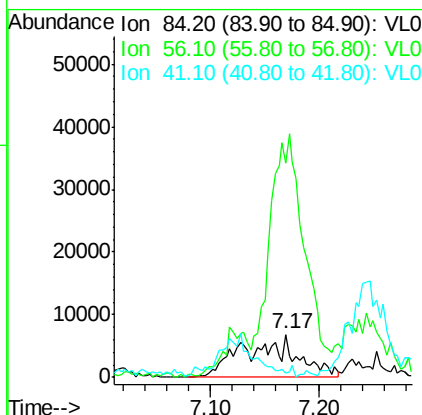
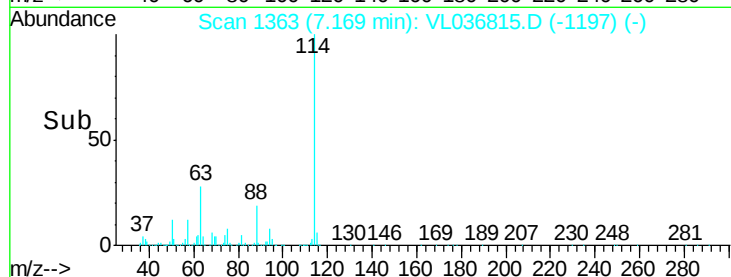
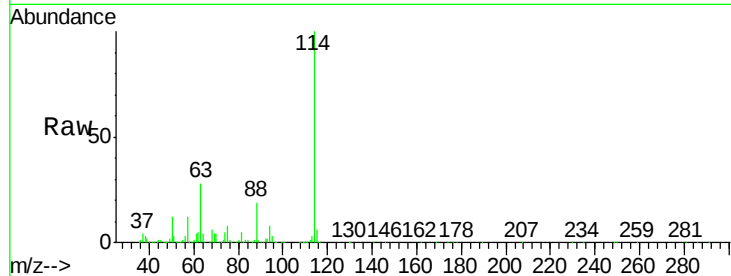


#30
Cyclohexane
Concen: 0.211 ppbv m
RT: 7.17 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2021 00:00 SG3DUP

Tot Ion:
Ion Ratio
84 100
56 0.
41 0.

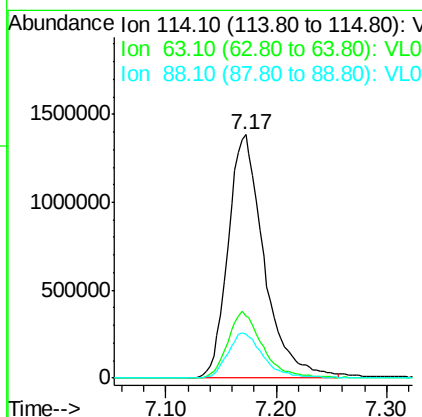
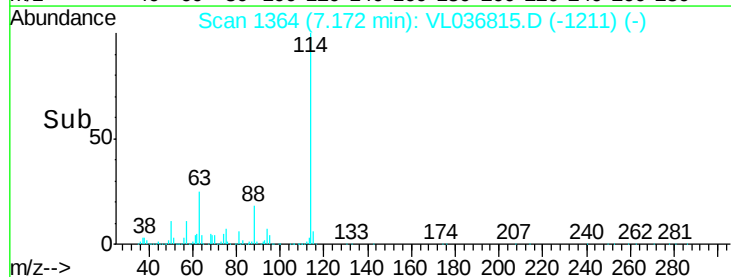
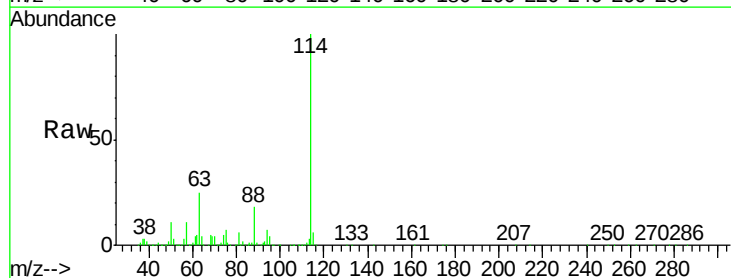
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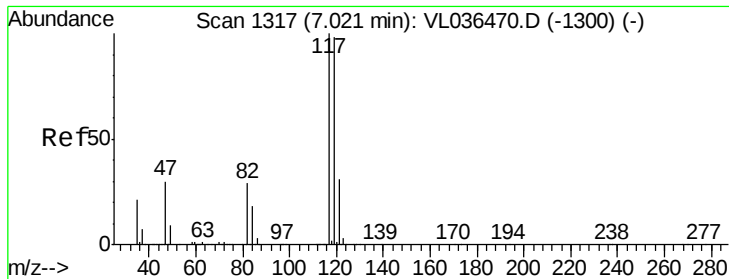
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036815.D
Acq: 14 Apr 2021 00:00

Tgt Ion:114 Resp: 3130045
Ion Ratio Lower Upper
114 100
63 26.8 22.4 33.6
88 18.8 15.4 23.0





#35

Carbon Tetrachloride

Concen: 0.056 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2021 00:00 SG3DUP

Tot Ion:1

Ion Rati

117 100

119 80.

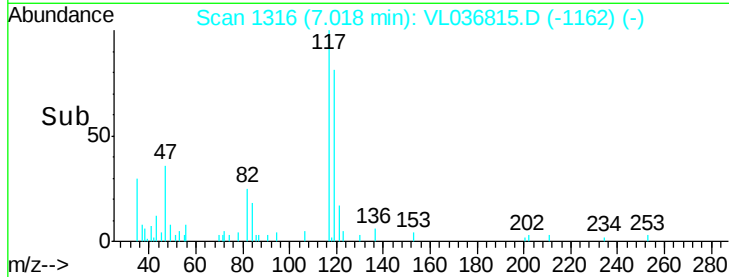
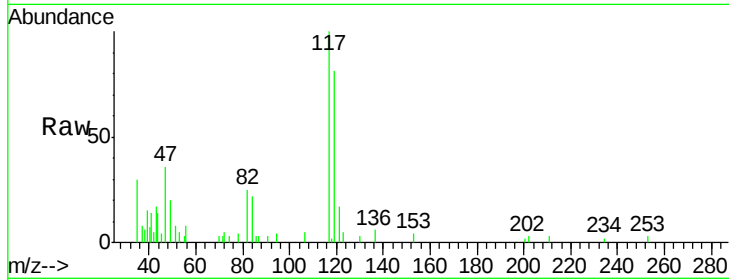
121 16.

Manual Integrations

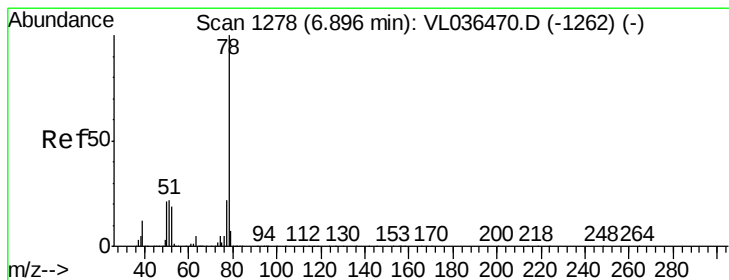
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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



Time-->



#36

Benzene

Concen: 0.268 ppbv m

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL036815.D

Acq: 14 Apr 2021 00:00

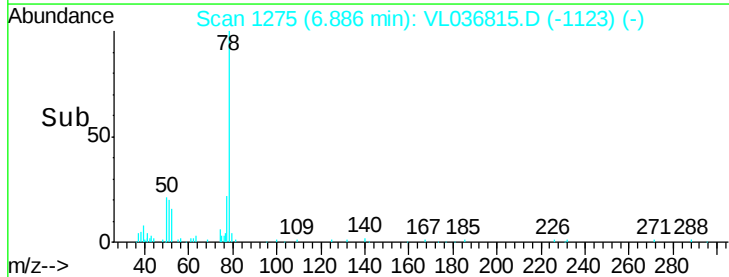
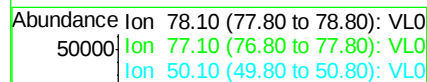
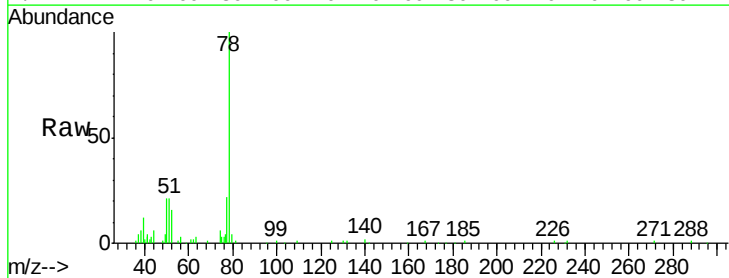
Tgt Ion: 78 Resp: 77509

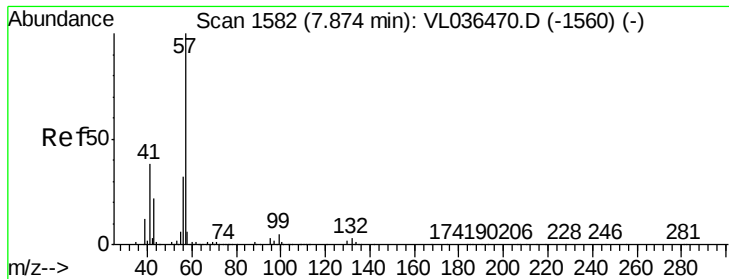
Ion Ratio Lower Upper

78 100

77 21.5 18.0 27.0

50 20.7 16.5 24.7





#44

2,2,4-Trimethylpentane

Concen: 0.115 ppbv m

RT: 7.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2021 00:00 SG3DUP

Tot Ion:

Ion Ratio

57 100

41 52.

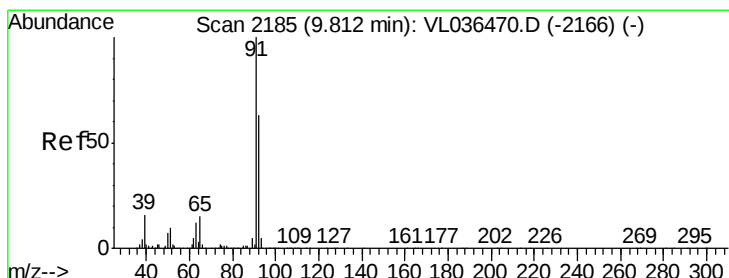
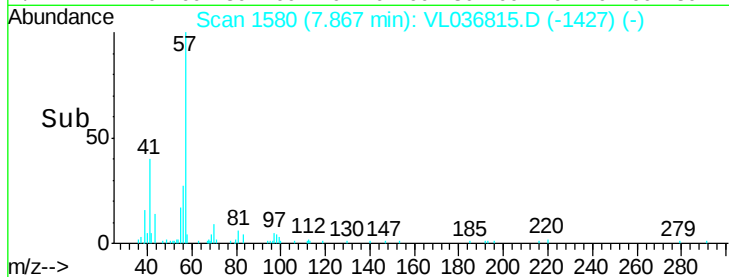
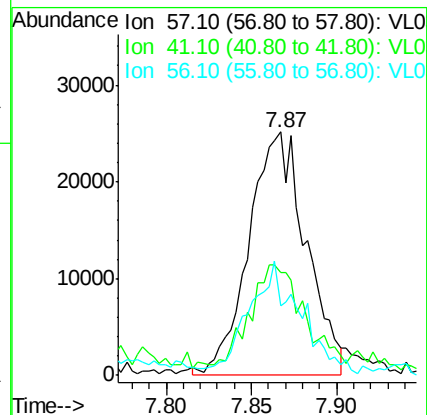
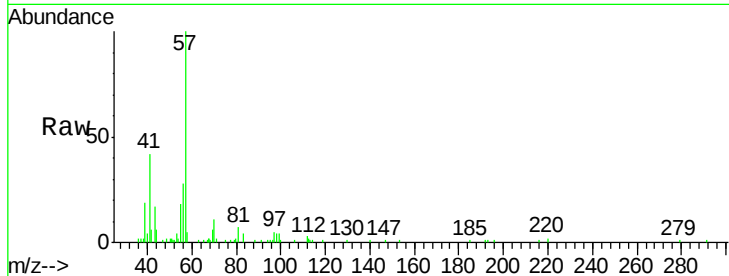
56 47.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#53

Toluene

Concen: 0.934 ppbv m

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036815.D

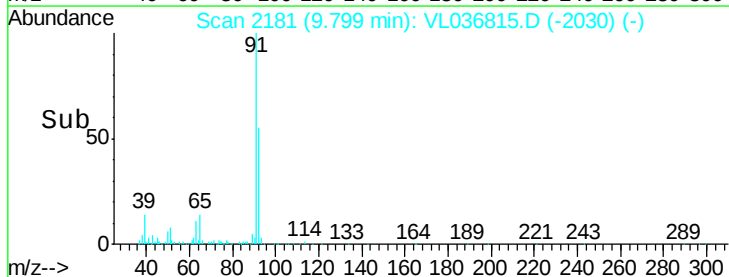
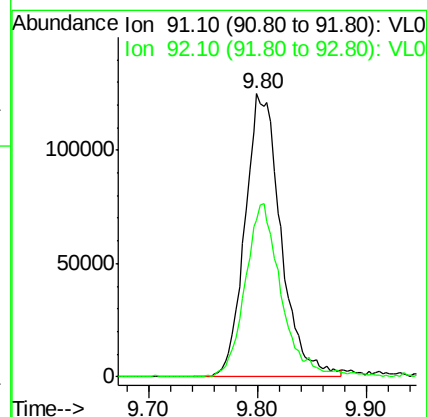
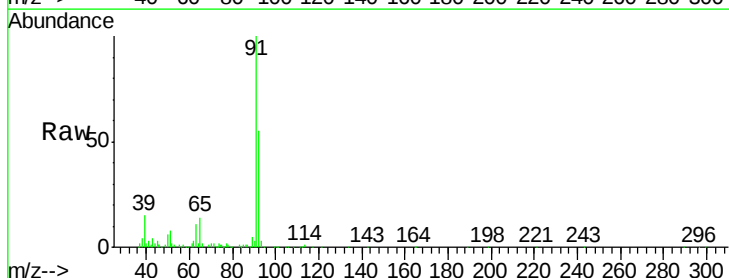
Acq: 14 Apr 2021 00:00

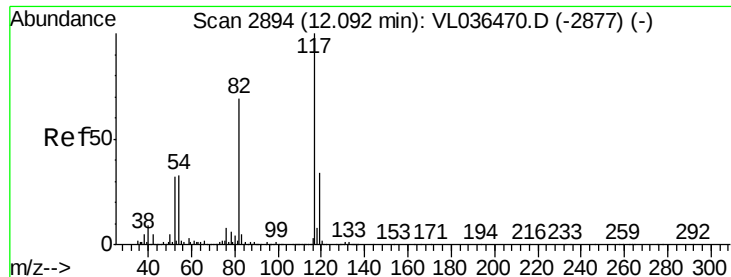
Tgt Ion: 91 Resp: 287020

Ion Ratio Lower Upper

91 100

92 0.0 48.8 73.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2021 00:00

Tot Ion:1

Ion Rati

117 100

82 69.

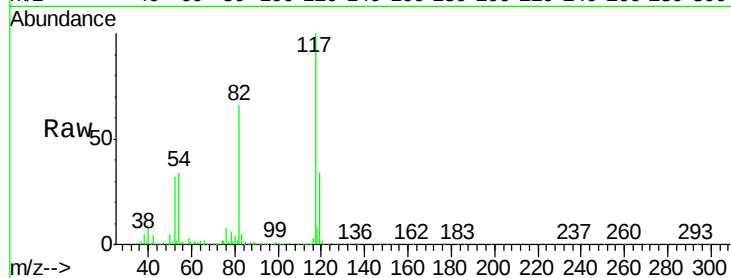
119 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

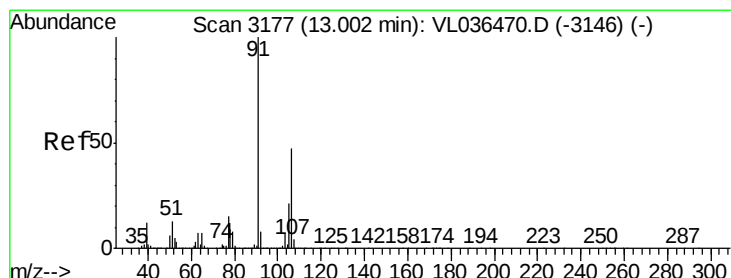
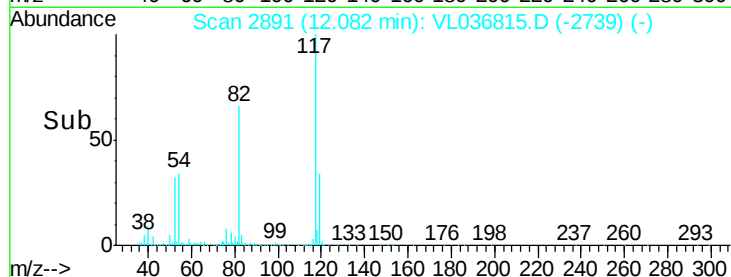
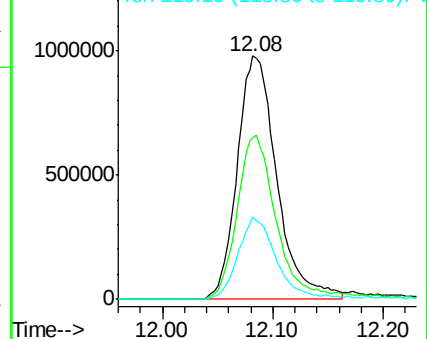
Supervised By :Mahesh Dadoda 04/14/2021



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: 0.164 ppbv m

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036815.D

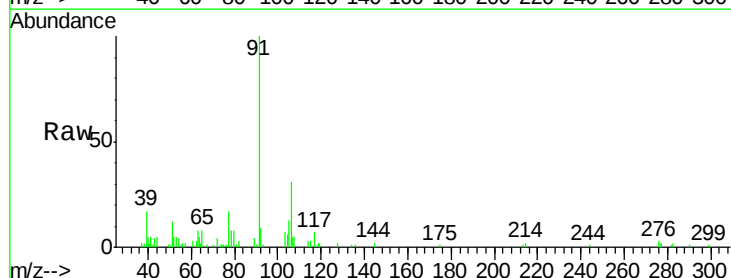
Acq: 14 Apr 2021 00:00

Tgt Ion: 91 Resp: 50784

Ion Ratio Lower Upper

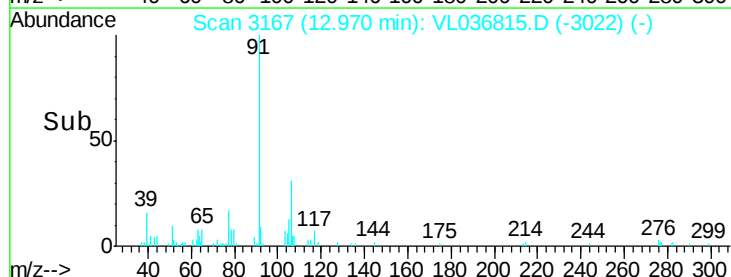
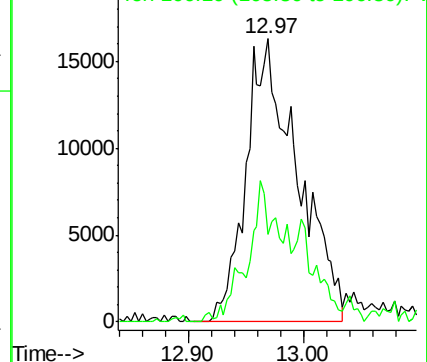
91 100

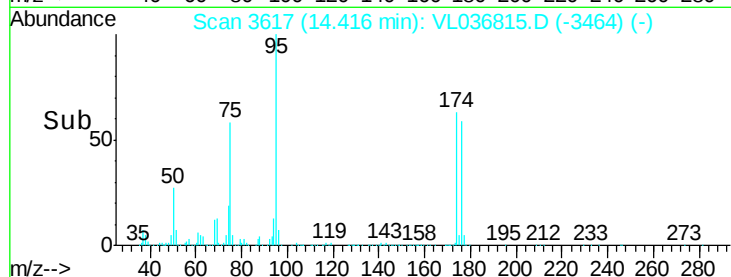
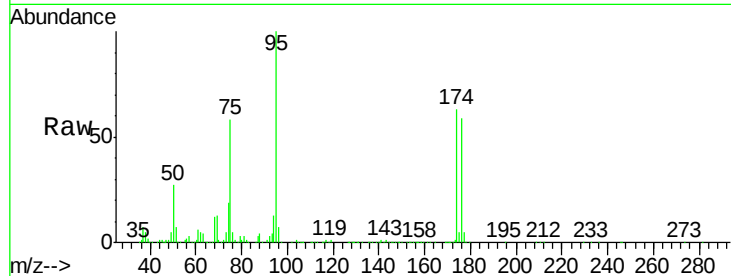
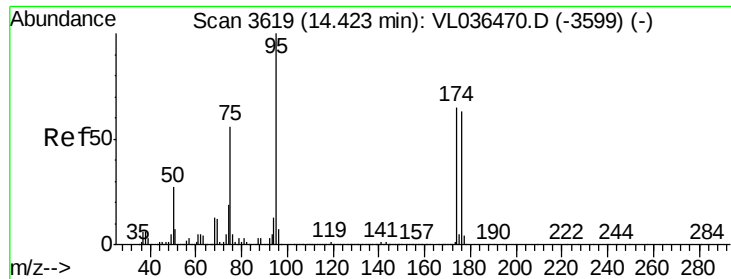
106 0.0 35.3 52.9#



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: 7.898 ppbv

RT: 14.42

Delta R.T

Lab File: ClientSampleId :

SG3DUP

Acq: 14 Apr 2021 00:00

Tot Ion:

Ion Ratio

95 100

174 70.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021

