

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036811.D
 Acq On : 13 Apr 2021 20:14
 Operator : SY/AP
 Sample : M2018-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SG3

Manual Integrations
 APPROVED

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

Quant Time: Apr 14 09:36:24 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	1444908	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3594030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2769015	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1798192	8.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	38136m	0.162	ppbv	
3) Chlorodifluoromethane	2.98	51	63205	0.234	ppbv #	90
4) Chloromethane	3.14	50	42945	0.450	ppbv	99
9) Propene	3.01	41	974727m	11.326	ppbv	
10) Heptane	8.12	43	38882m	0.177	ppbv	
11) Trichlorofluoromethane	3.94	101	40439	0.168	ppbv	88
13) Ethanol	3.61	45	229460	22.389	ppbv	94
15) Acetone	3.85	43	826452	5.811	ppbv	98
19) Isopropyl Alcohol	3.98	45	167745m	2.144	ppbv	
20) Methylene Chloride	4.34	84	1703924	25.590	ppbv	92
26) Hexane	5.68	57	1187648	7.569	ppbv #	46
30) Cyclohexane	7.16	84	25465m	0.200	ppbv	
35) Carbon Tetrachloride	7.01	117	14064m	0.051	ppbv	
36) Benzene	6.89	78	93120m	0.281	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	60988m	0.105	ppbv	
53) Toluene	9.81	91	330152	0.935	ppbv	98
59) m/p-Xylene	12.97	91	56034m	0.159	ppbv	

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

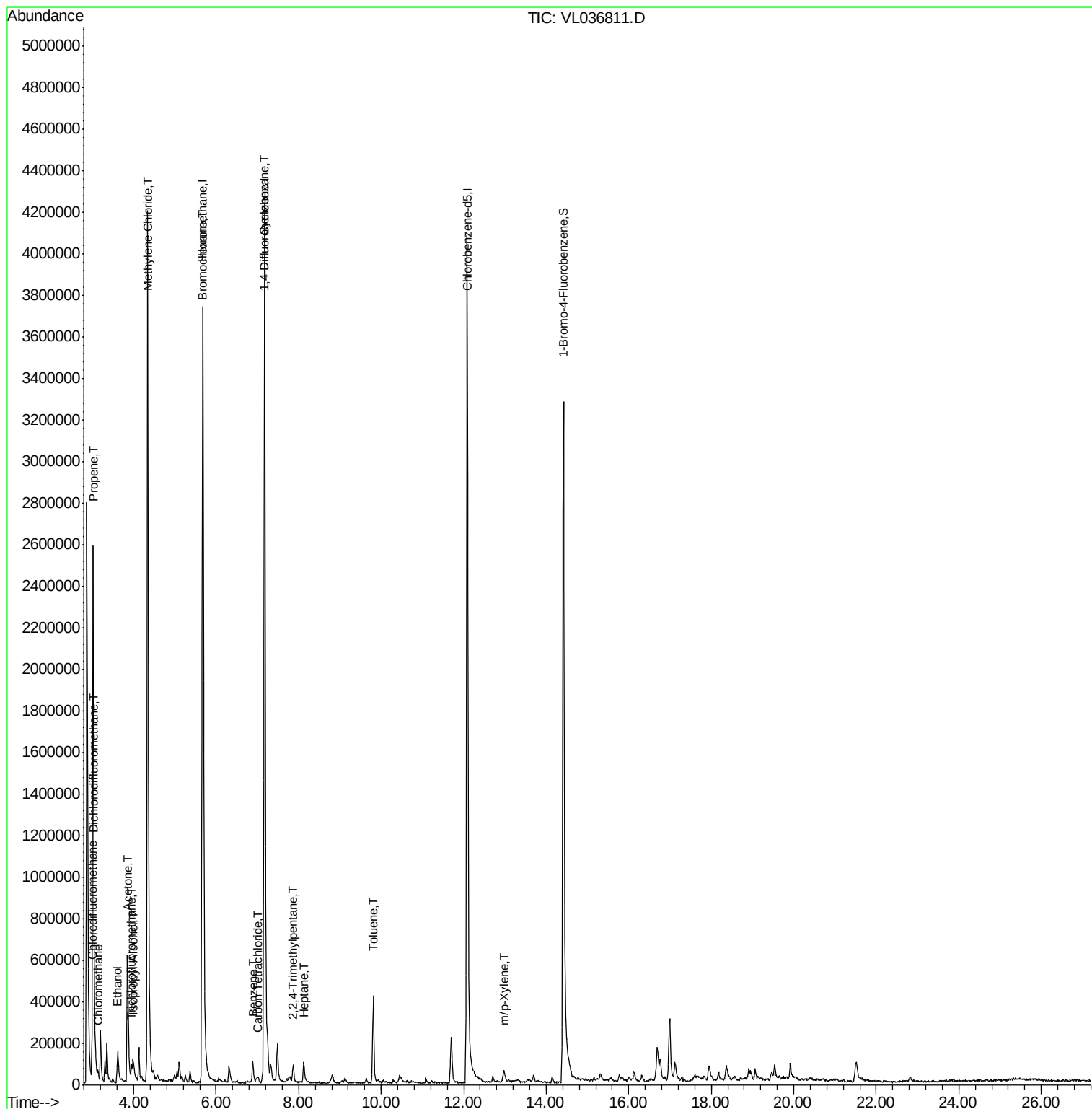
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
Data File : VL036811.D
Acq On : 13 Apr 2021 20:14
Operator : SY/AP
Sample : M2018-03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

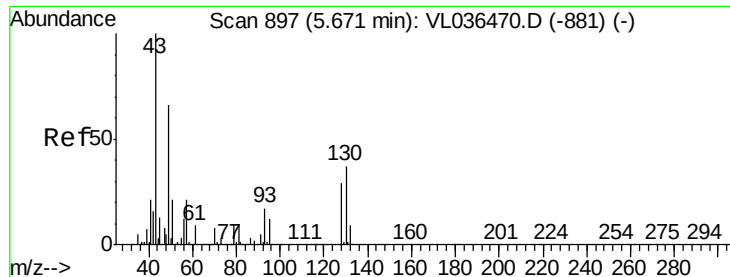
Instrument :
MSVOA_L
ClientSampleId :
SG3

Quant Time: Apr 14 09:36:24 2021
Quant Method : Z:\VOASRV\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

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021
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: 13 Apr 2021 20:14

Tot Ion:

Ion Ratio

49 100

128 47.

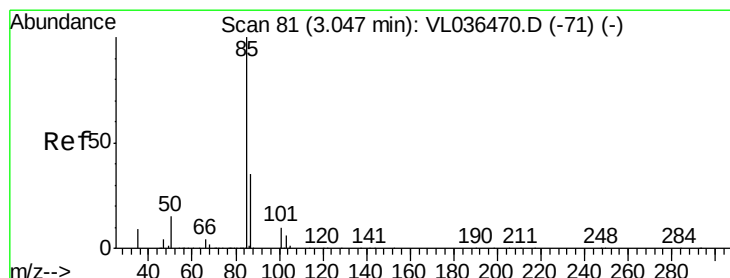
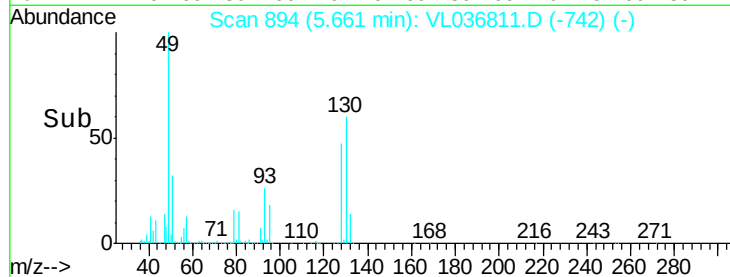
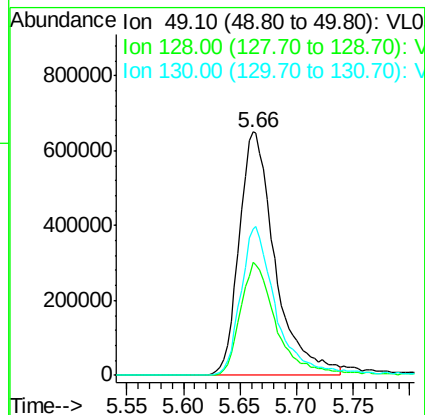
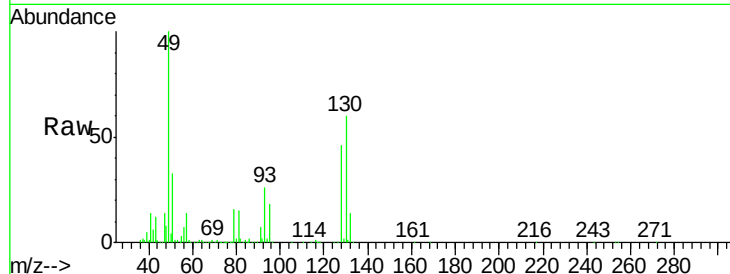
130 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#2

Dichlorodifluoromethane

Concen: 0.162 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036811.D

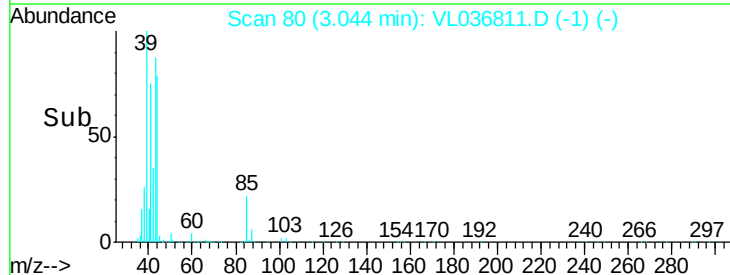
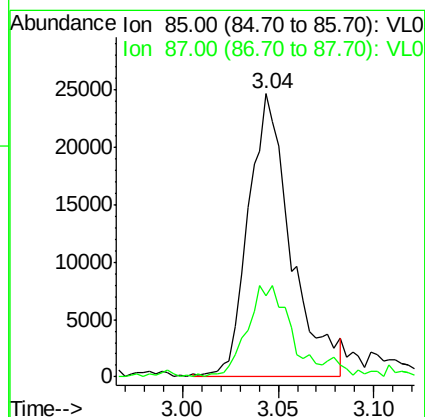
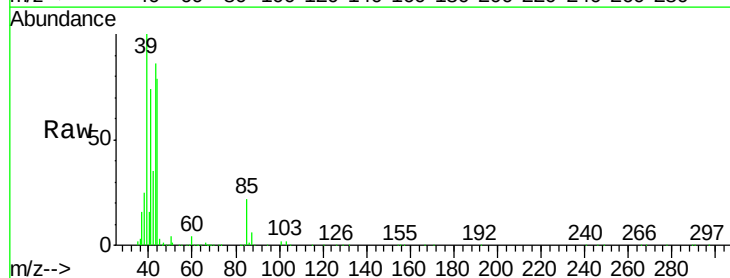
Acq: 13 Apr 2021 20:14

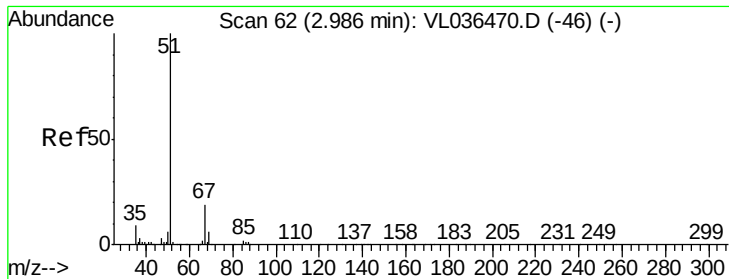
Tgt Ion: 85 Resp: 38136

Ion Ratio Lower Upper

85 100

87 28.6 27.8 41.8





#3

Chlorodifluoromethane

Concen: 0.234 ppbv

RT: 2.98 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:14

Tot Ion:

Ion Ratio

51 100

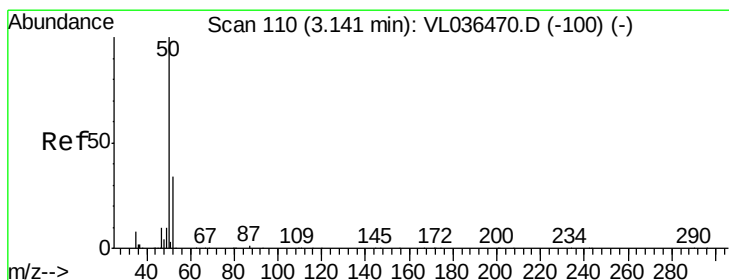
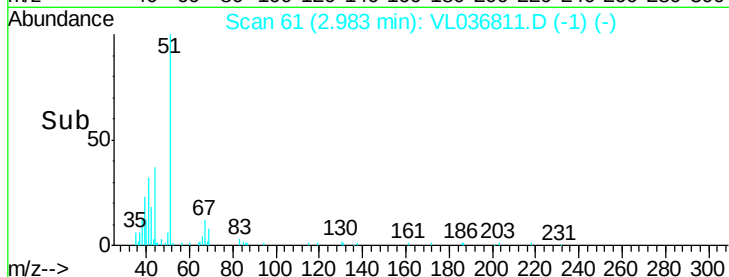
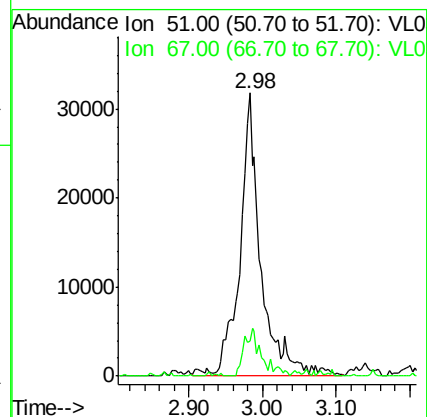
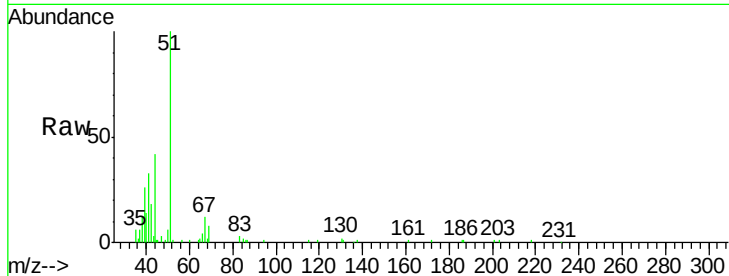
67 13.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#4

Chloromethane

Concen: 0.450 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036811.D

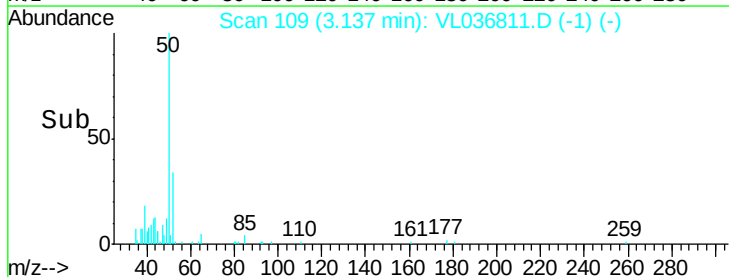
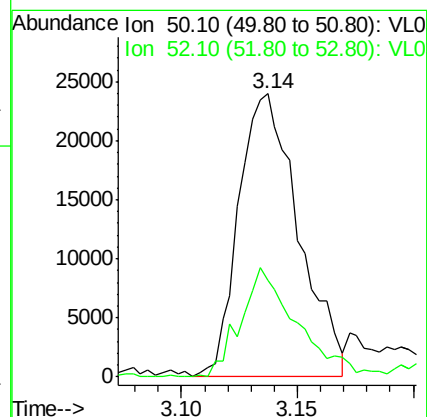
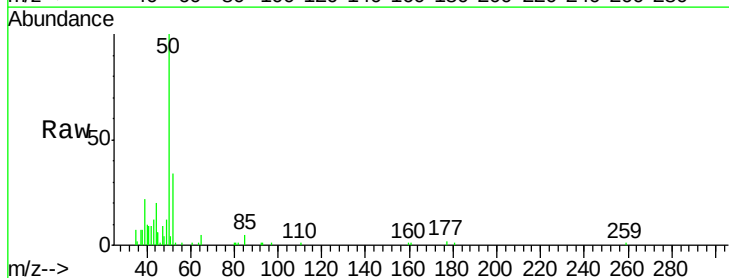
Acq: 13 Apr 2021 20:14

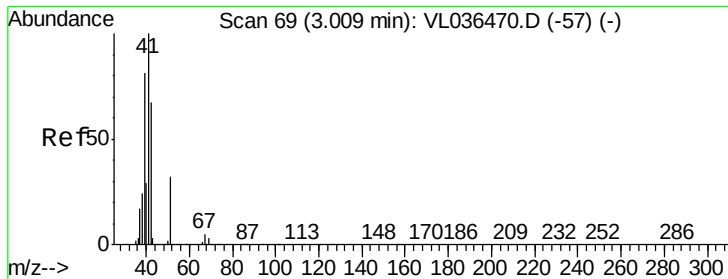
Tgt Ion: 50 Resp: 42945

Ion Ratio Lower Upper

50 100

52 34.2 27.0 40.6





#9

Propene

Concen: 11.326 ppbv m

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:14

Tot Ion:

Ion Ratio

41 100

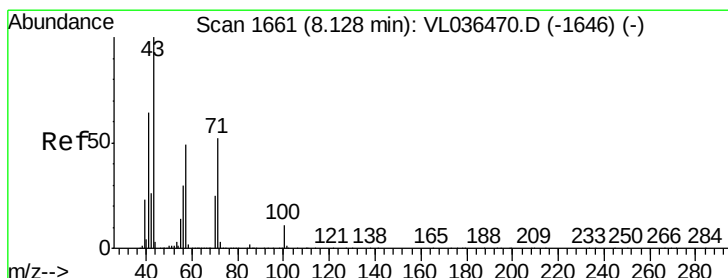
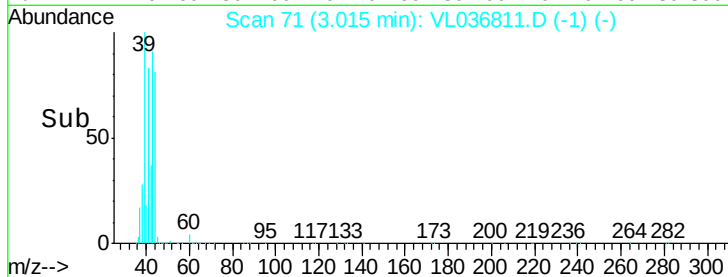
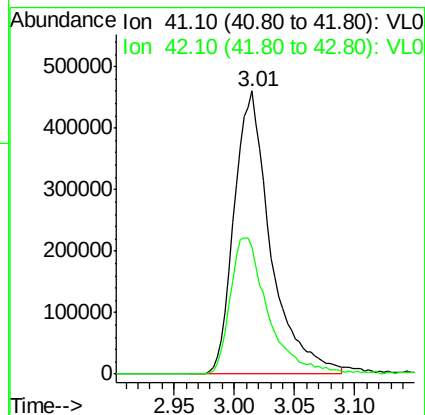
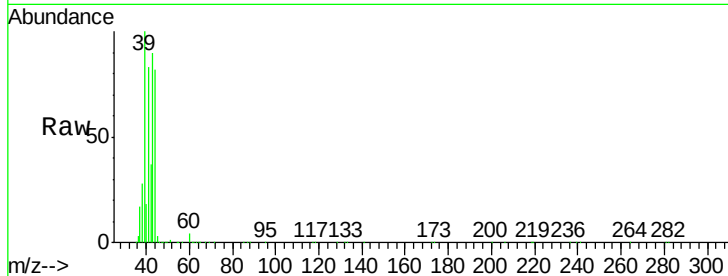
42 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#10

Heptane

Concen: 0.177 ppbv m

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036811.D

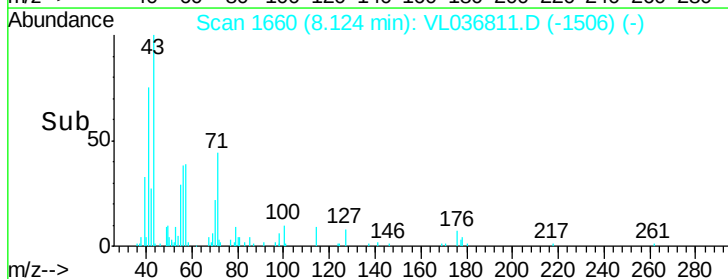
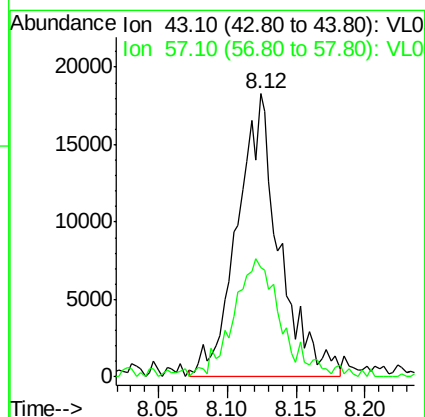
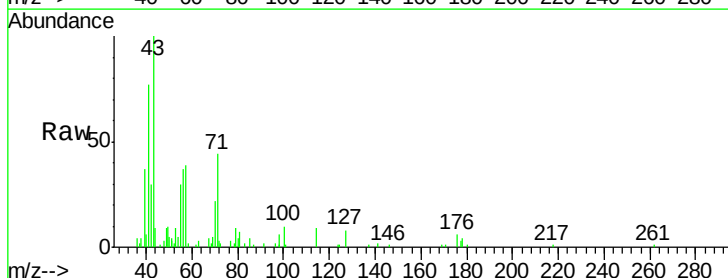
Acq: 13 Apr 2021 20:14

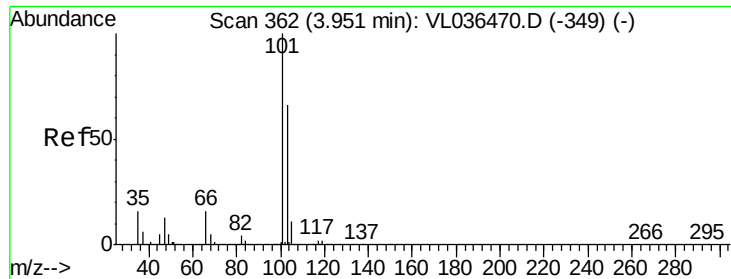
Tgt Ion: 43 Resp: 38882

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.6#



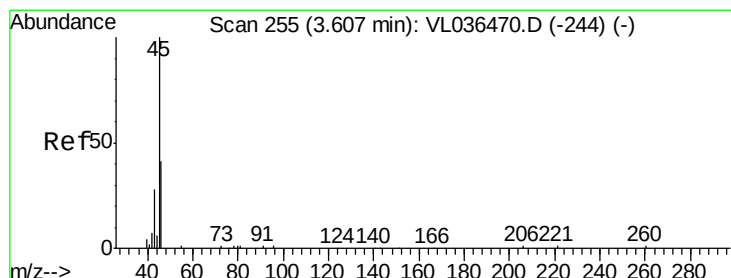
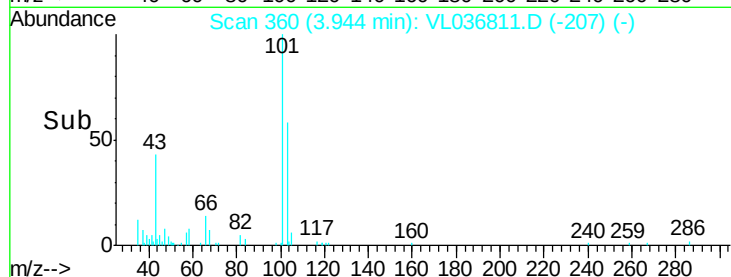
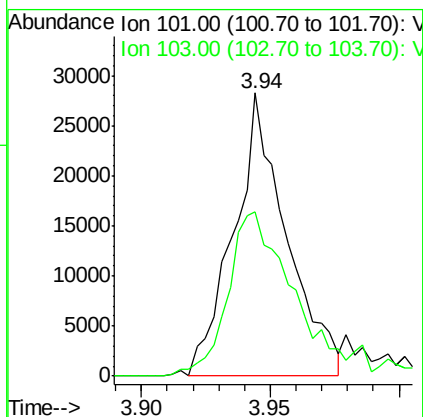
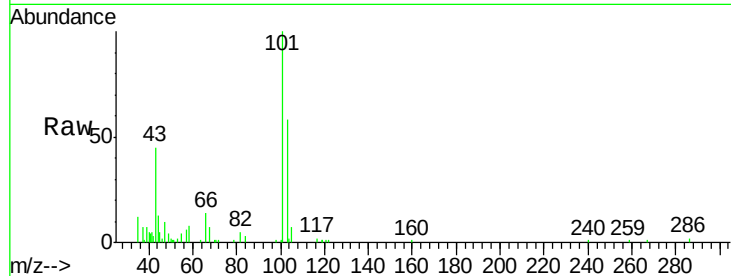


#11
Trichlorofluoromethane
Concen: 0.168 ppbv
RT: 3.94
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : SG3
Acq: 13 Apr 2021 20:14

Tot Ion:1
Ion Ratio
101 100
103 55.

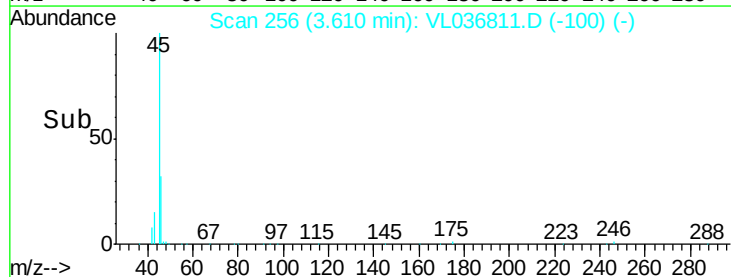
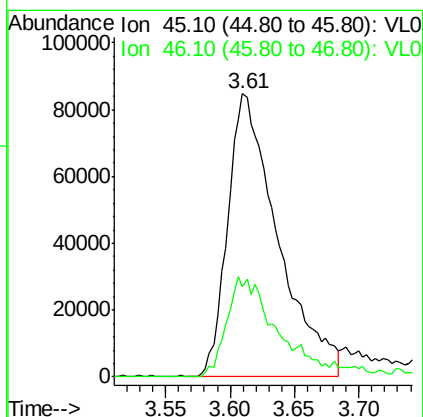
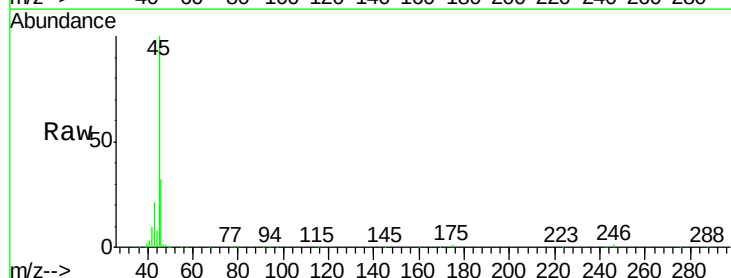
Manual Integrations
APPROVED

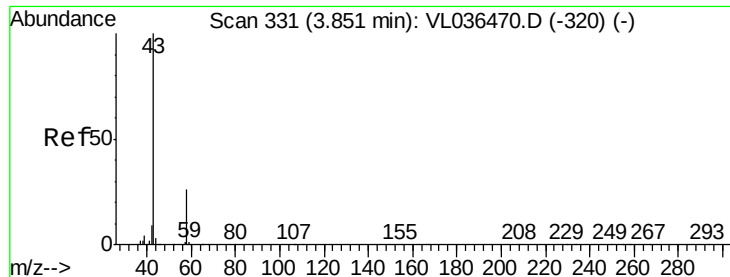
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#13
Ethanol
Concen: 22.389 ppbv
RT: 3.61 min Scan# 256
Delta R.T.: 0.00 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 45 Resp: 229460
Ion Ratio Lower Upper
45 100
46 37.4 16.6 66.2





#15

Acetone

Concen: 5.811 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:14

Tot Ion:

Ion Ratio

43 100

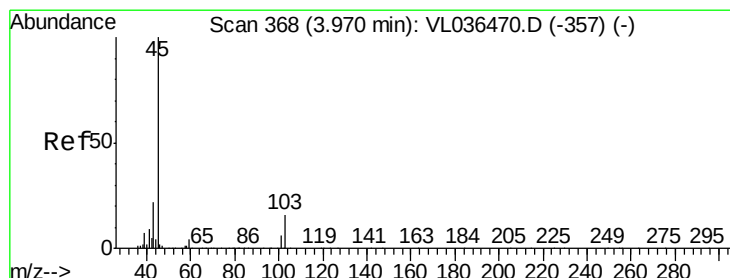
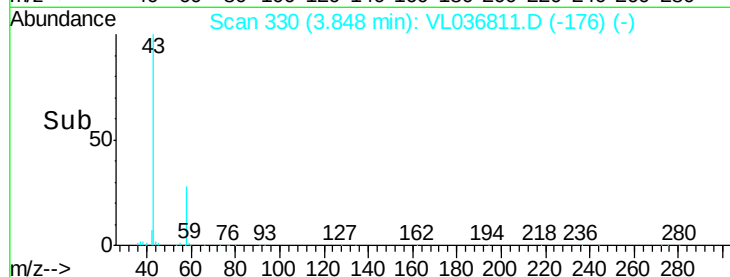
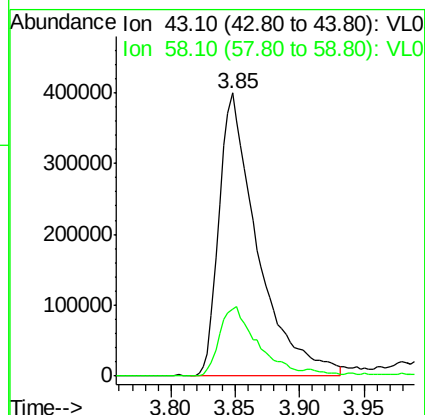
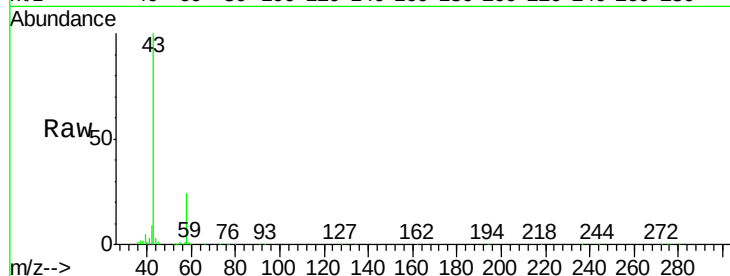
58 25.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#19

Isopropyl Alcohol

Concen: 2.144 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036811.D

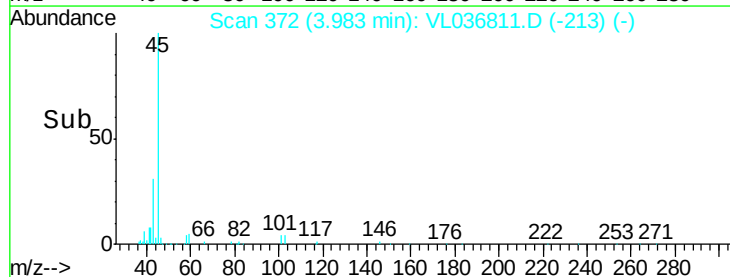
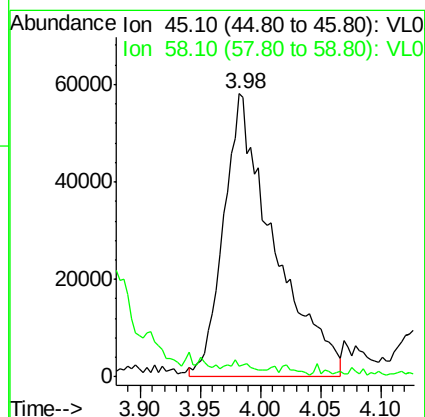
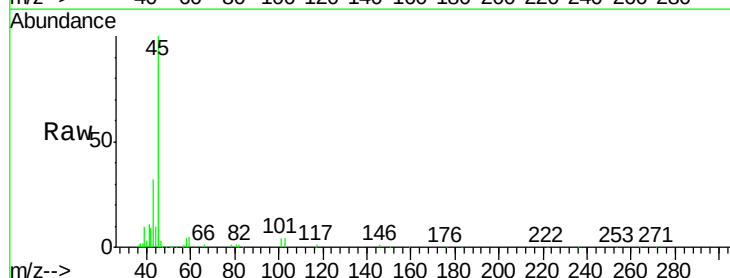
Acq: 13 Apr 2021 20:14

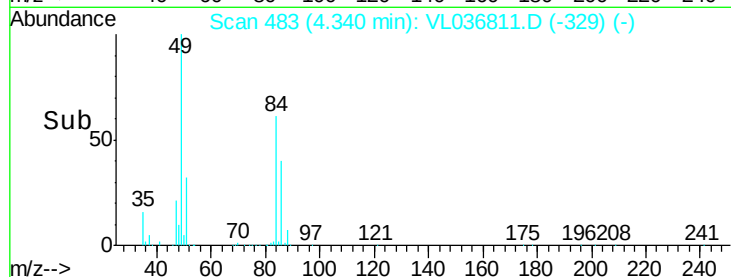
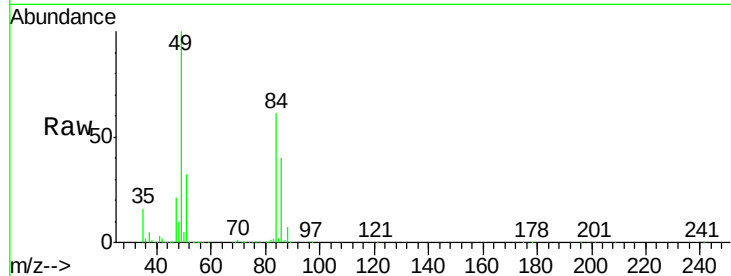
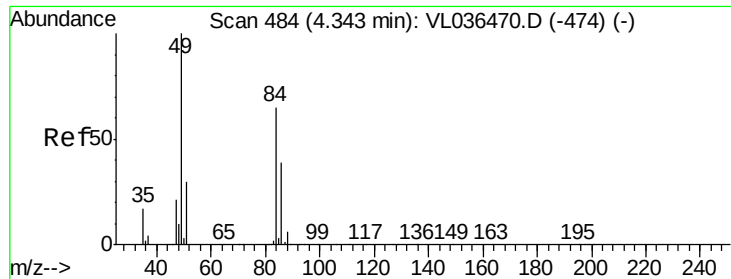
Tgt Ion: 45 Resp: 167745

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



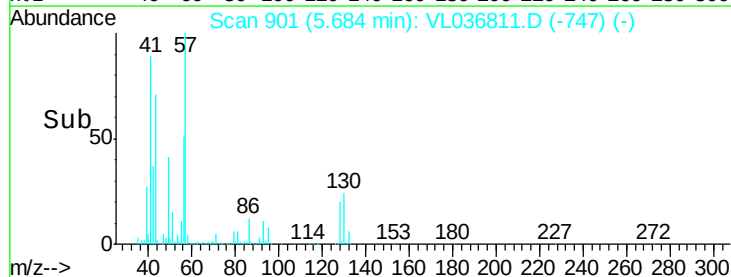
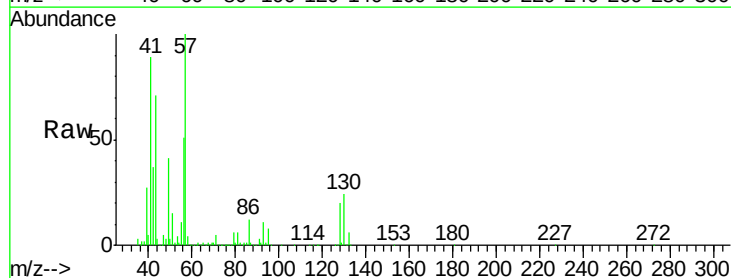
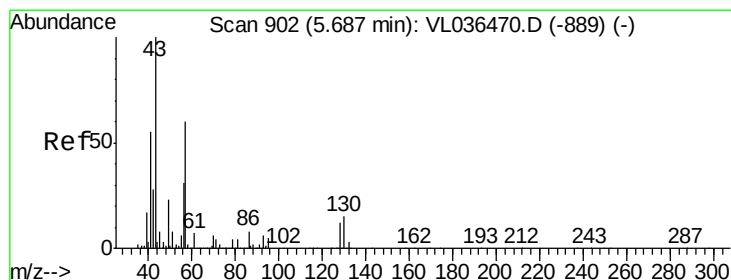
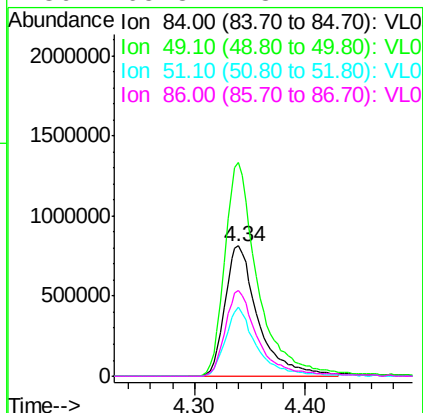


#20
Methylene Chloride
Concen: 25.590 ppbv
RT: 4.34
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 13 Apr 2021 20:14

Tot Ion:
Ion Ratio
84 100
49 163.
51 52.
86 65.8 48.2 72.4

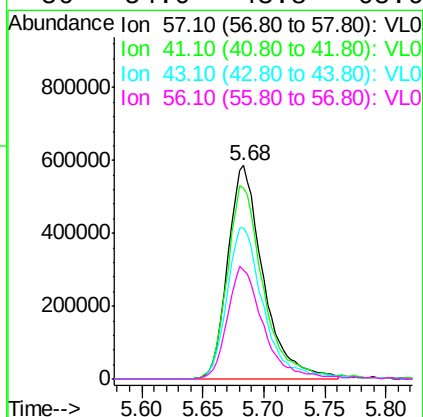
Manual Integrations
APPROVED

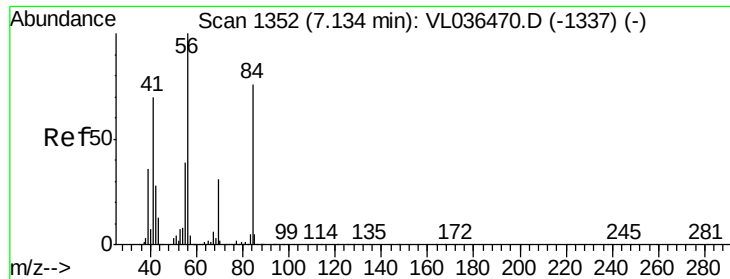
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#26
Hexane
Concen: 7.569 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 57 Resp: 1187648
Ion Ratio Lower Upper
57 100
41 93.7 77.2 115.8
43 73.6 173.8 260.6#
56 54.0 43.8 65.6



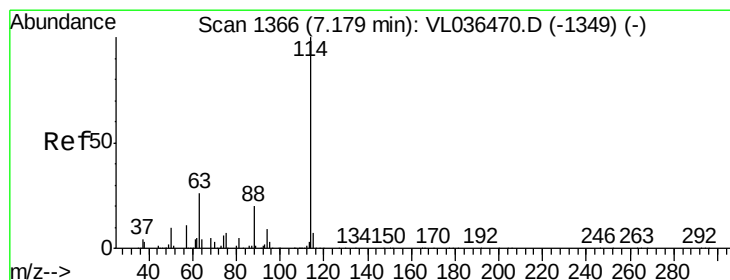
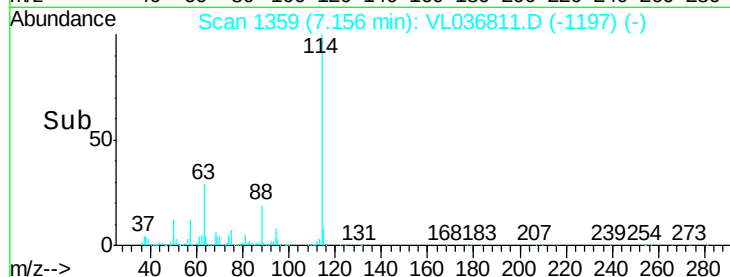
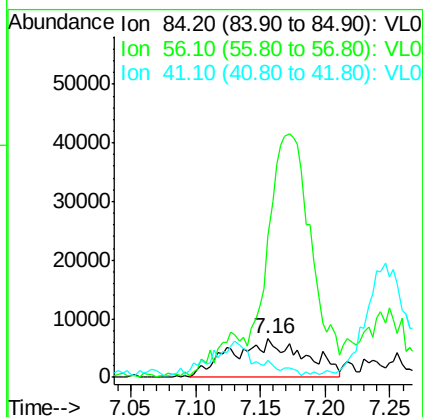
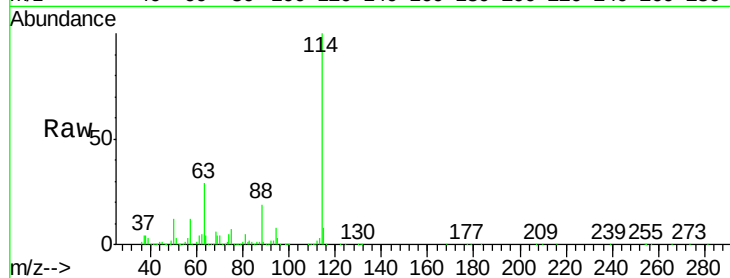


#30
Cvclohexane
Concen: 0.200 ppbv m
RT: 7.16
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 13 Apr 2021 20:14

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

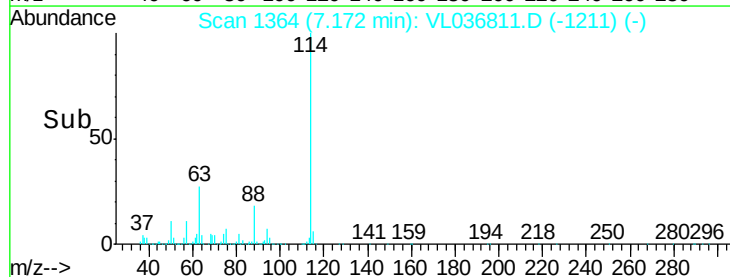
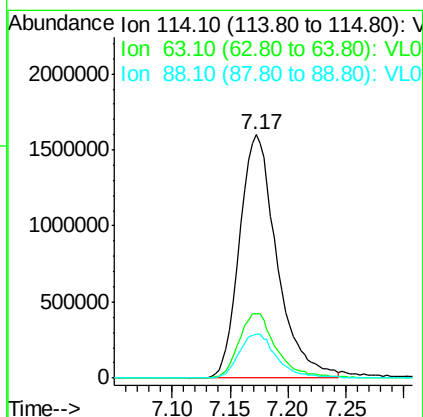
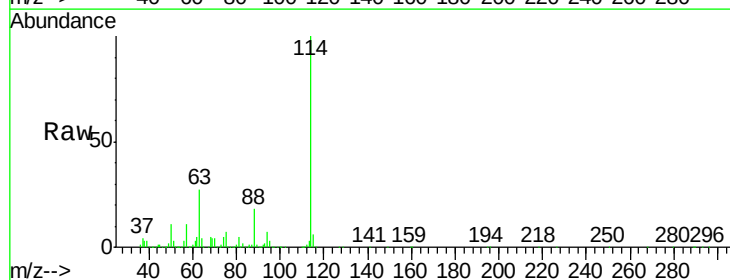
Manual Integrations
APPROVED

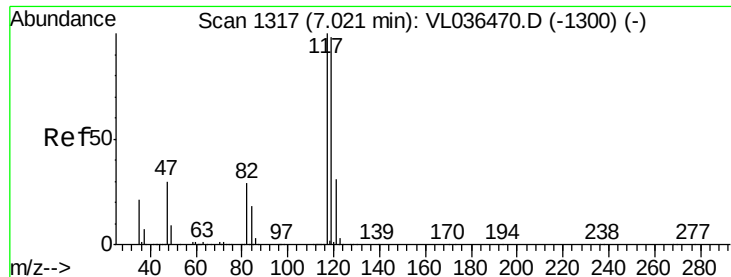
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion:114 Resp: 3594030
Ion Ratio Lower Upper
114 100
63 26.9 22.4 33.6
88 18.7 15.4 23.0



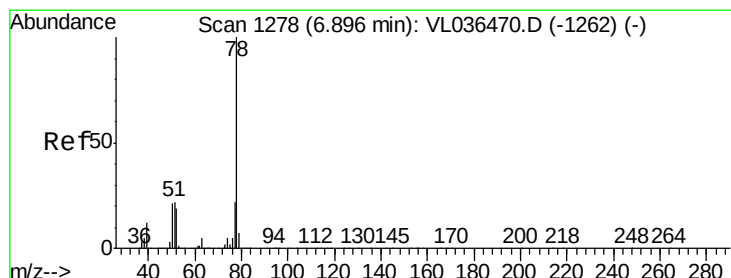
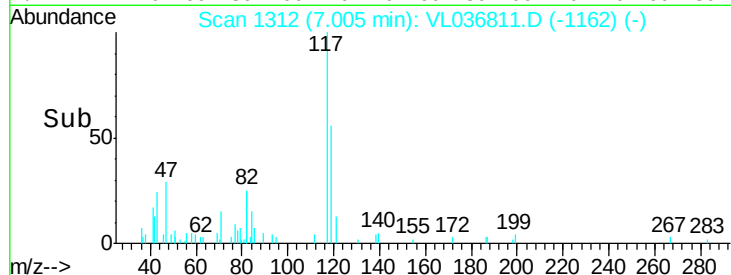
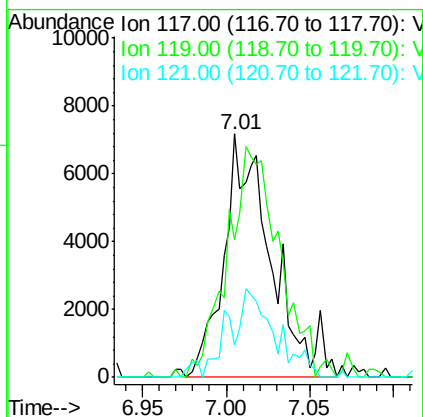
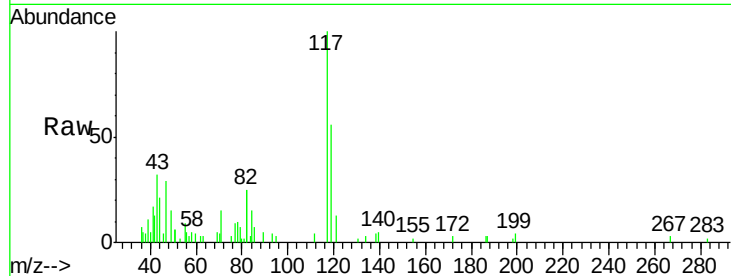


#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 20:14

Tot Ion:1
Ion Rati
117 100
119 56.
121 13.

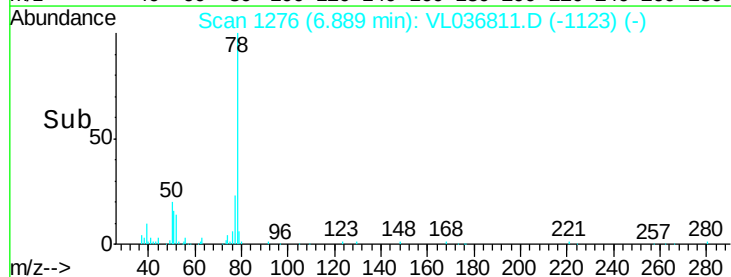
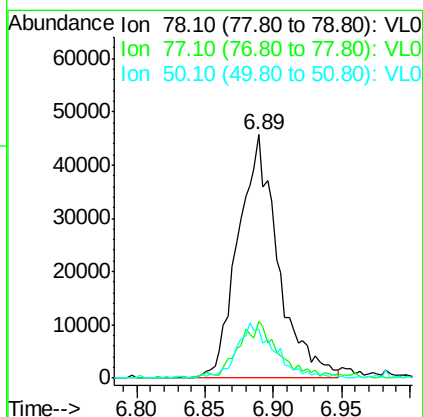
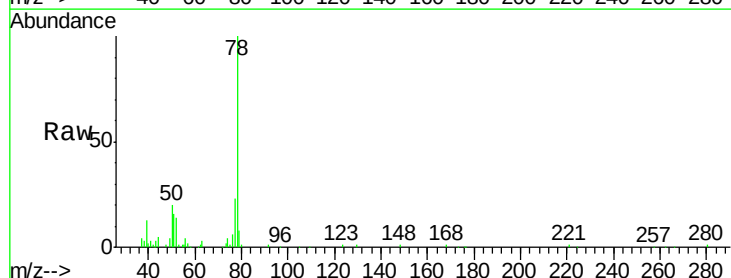
Manual Integrations
APPROVED

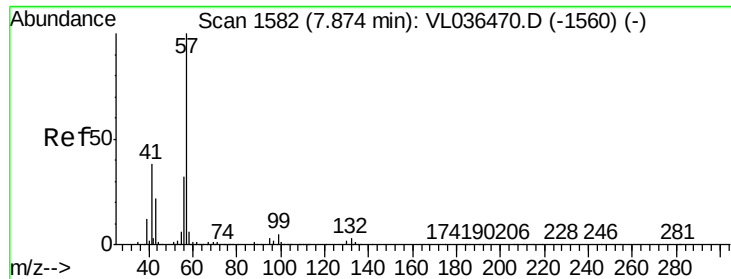
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#36
Benzene
Concen: 0.281 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 78 Resp: 93120
Ion Ratio Lower Upper
78 100
77 23.2 18.0 27.0
50 20.1 16.5 24.7



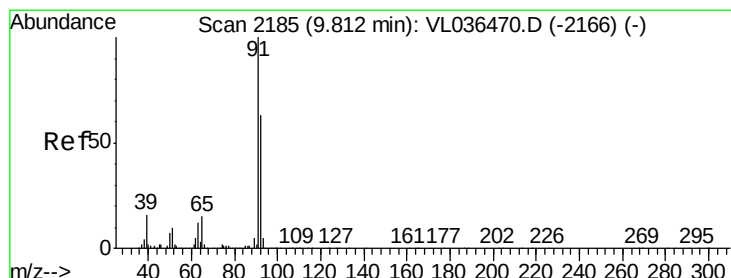
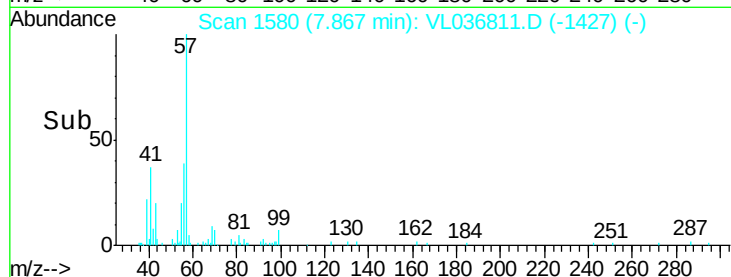
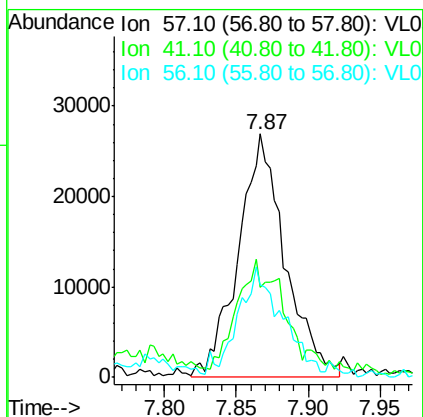
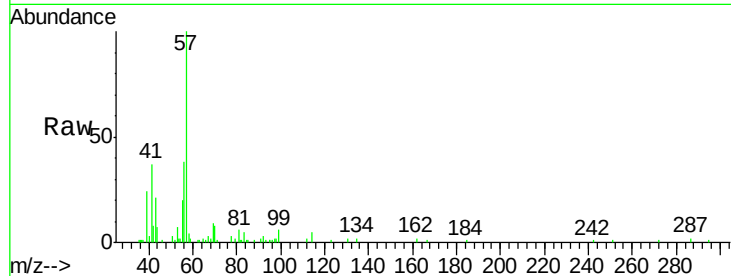


#44
 2,2,4-Trimethylpentane
 Concen: 0.105 ppbv m
 RT: 7.87
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 20:14

Tot Ion:
 Ion Ratio
 57 100
 41 52.
 56 45.

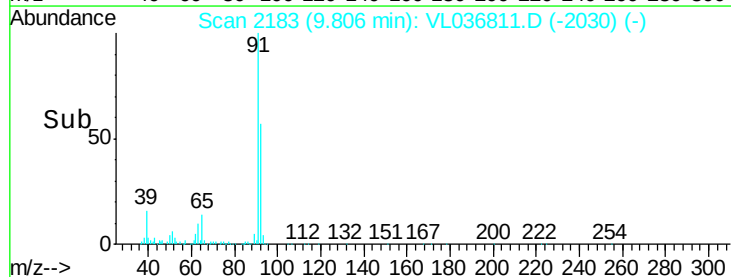
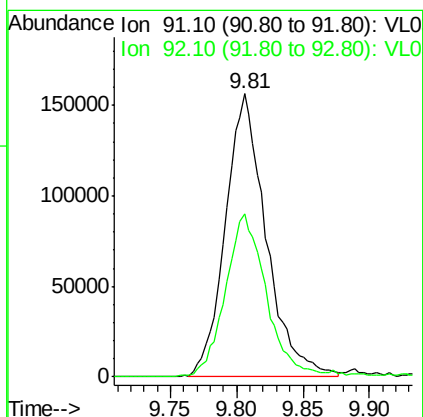
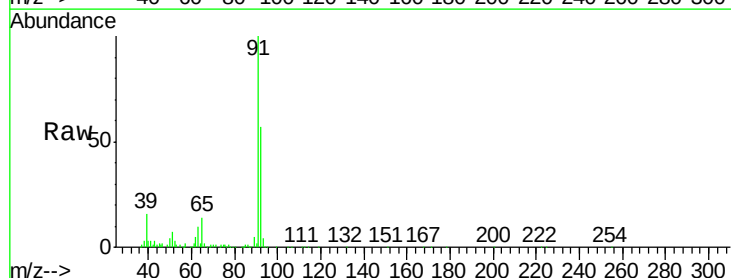
Manual Integrations
 APPROVED

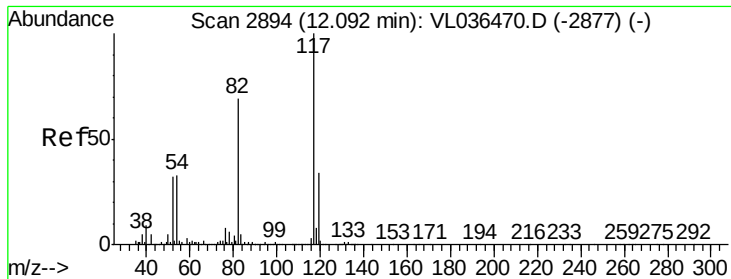
Reviewed By :Semsettin Yesilyurt 04/14/2021
 Supervised By :Mahesh Dadoda 04/14/2021



#53
 Toluene
 Concen: 0.935 ppbv
 RT: 9.81 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: VL036811.D
 Acq: 13 Apr 2021 20:14

Tgt Ion: 91 Resp: 330152
 Ion Ratio Lower Upper
 91 100
 92 59.3 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:14

Tot Ion:1

Ion Rati

117 100

82 69.

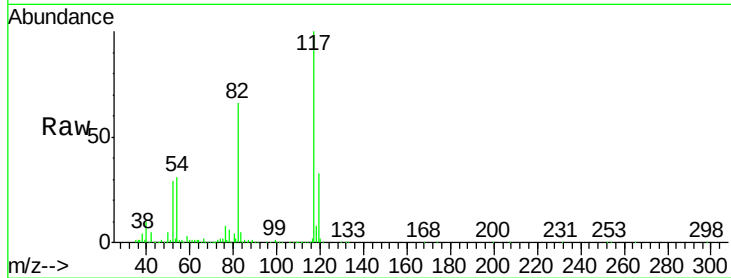
119 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

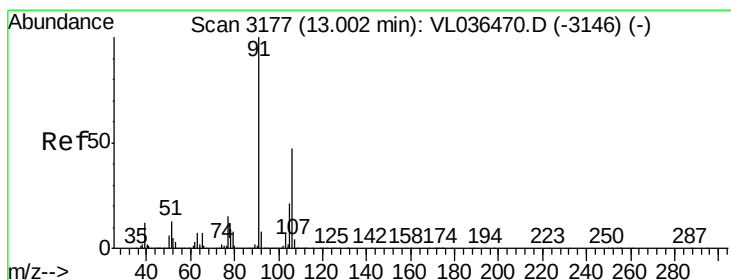
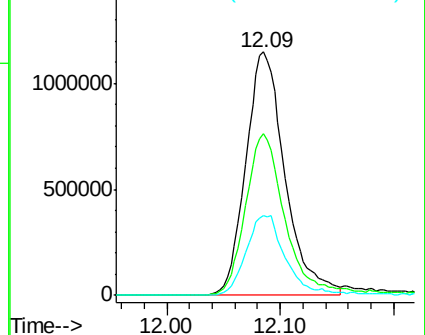
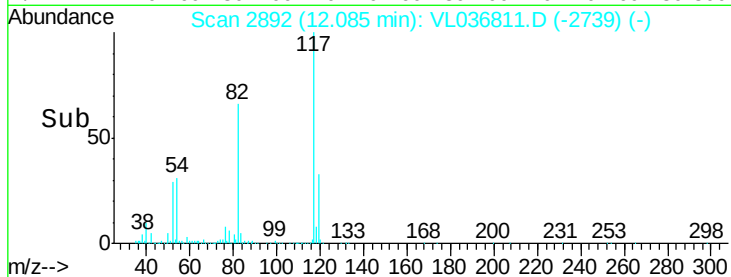
Supervised By :Mahesh Dadoda 04/14/2021



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: 0.159 ppbv m

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036811.D

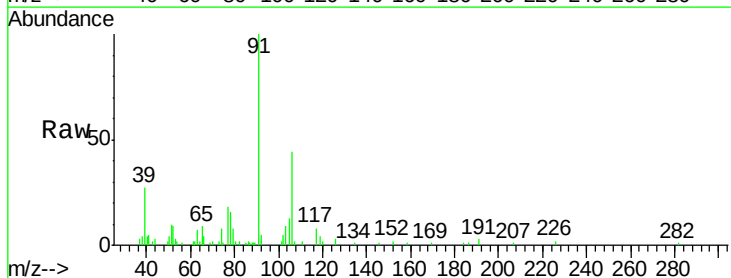
Acq: 13 Apr 2021 20:14

Tgt Ion: 91 Resp: 56034

Ion Ratio Lower Upper

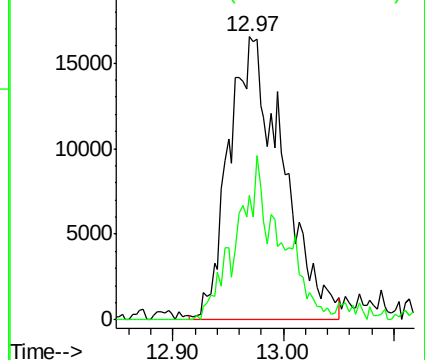
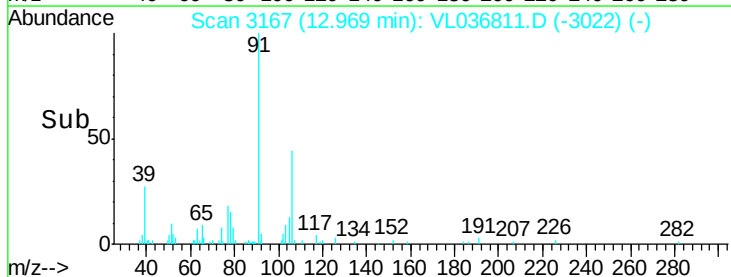
91 100

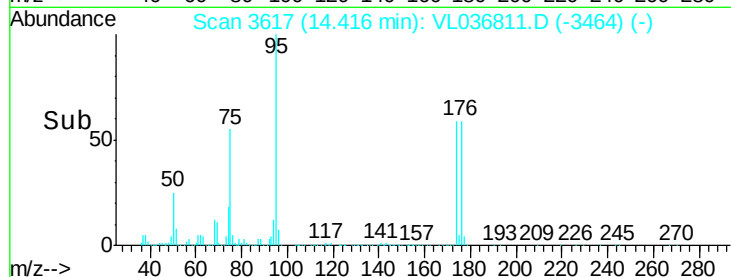
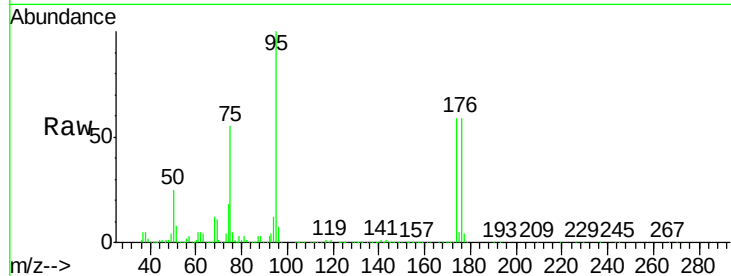
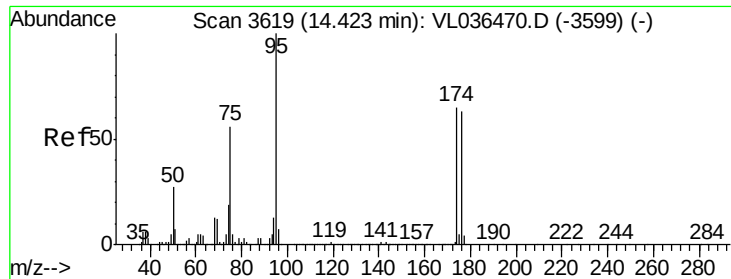
106 0.0 35.3 52.9#



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: 8.148 ppbv

RT: 14.42

Delta R.T

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20.14

Tot Ion:

Ion Ratio

95 100

174 69.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021

