

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036852.D
 Acq On : 27 Apr 2021 11:15
 Operator : SY/AP
 Sample : M2174-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2021
 Supervised By : Mahesh Dadoda 04/29/2021

Quant Time: Apr 29 15:51:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1376527	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3345470	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2898552	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2372311	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	63538	0.293	ppbv #	88
3) Chlorodifluoromethane	2.99	51	128075	0.511	ppbv	93
4) Chloromethane	3.14	50	43696	0.530	ppbv #	84
9) Propene	3.01	41	136323m	1.784	ppbv	
10) Heptane	8.12	43	42422	0.221	ppbv #	73
11) Trichlorofluoromethane	3.95	101	47237	0.244	ppbv	88
13) Ethanol	3.61	45	1357691	139.339	ppbv	92
15) Acetone	3.85	43	1076121	8.294	ppbv	90
19) Isopropyl Alcohol	3.99	45	226222m	3.519	ppbv	
20) Methylene Chloride	4.34	84	1112166	17.926	ppbv	97
26) Hexane	5.68	57	893474	6.026	ppbv #	48
30) Cyclohexane	7.17	84	27620m	0.235	ppbv	
35) Carbon Tetrachloride	7.02	117	15853m	0.070	ppbv	
36) Benzene	6.88	78	59250	0.210	ppbv #	90
44) 2,2,4-Trimethylpentane	7.87	57	51405m	0.106	ppbv	
52) Tetrachloroethene	11.21	164	21014m	0.219	ppbv	
53) Toluene	9.81	91	260634	0.884	ppbv	98
59) m/p-Xylene	12.97	91	94168m	0.287	ppbv	
60) o-Xylene	13.69	91	36863m	0.116	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	34056m	0.097	ppbv	

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

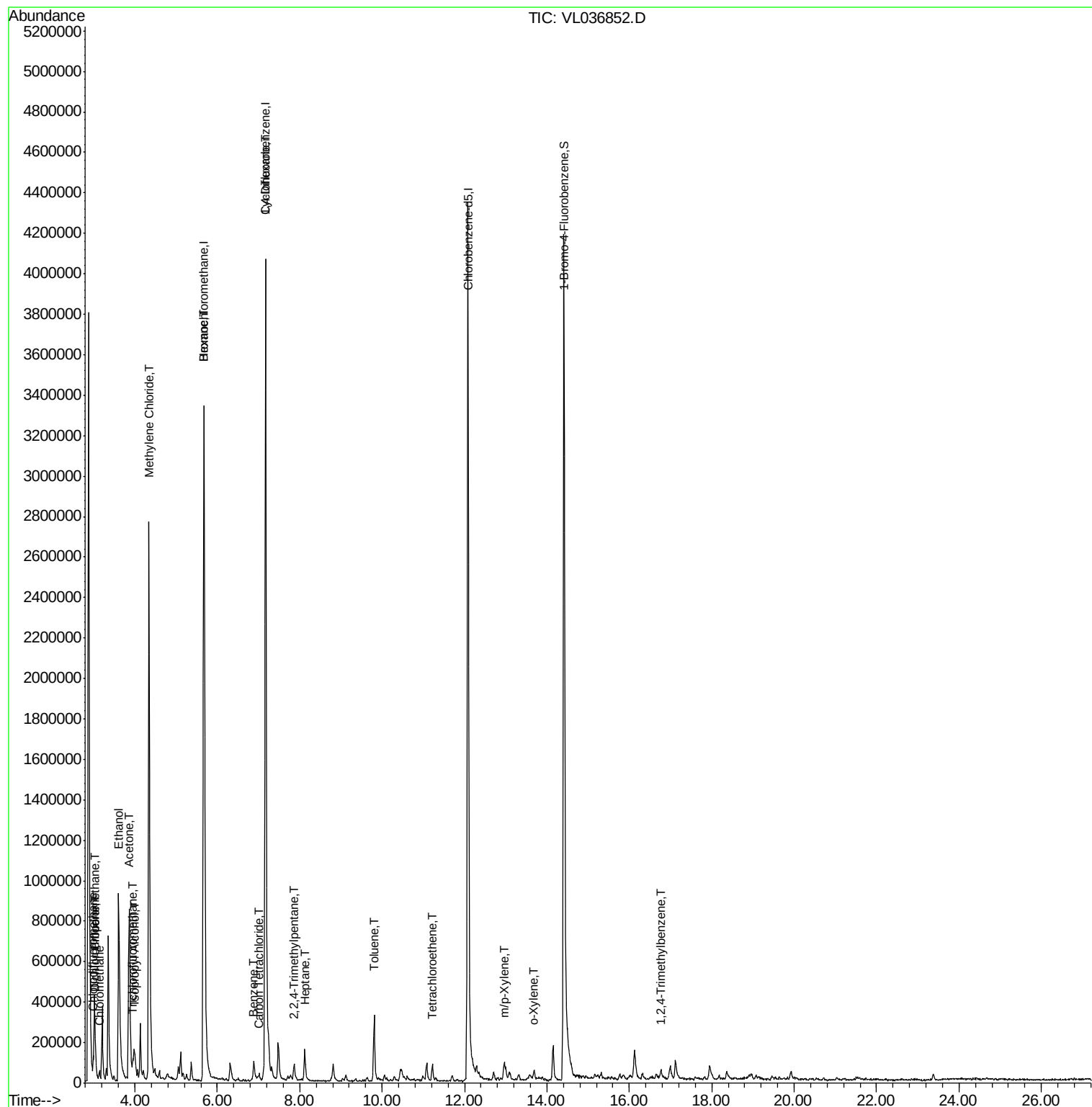
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\
Data File : VL036852.D
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Misc : 400mL/MSVOA L
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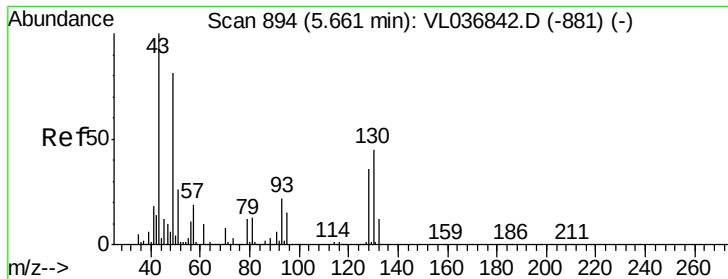
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 29 15:51:28 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 11:15

Tot Ion:

Ion Ratio

49 100

128 46.

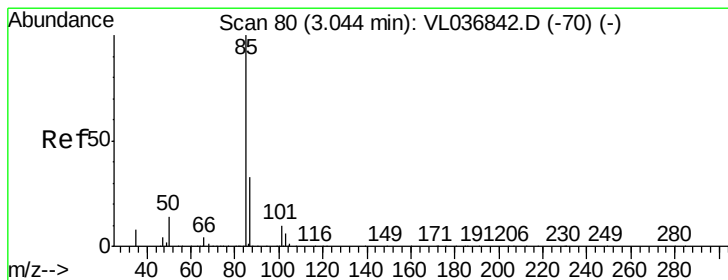
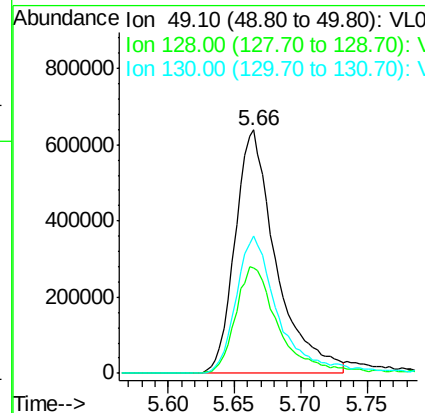
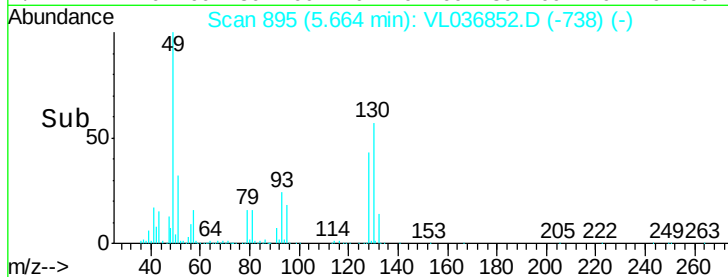
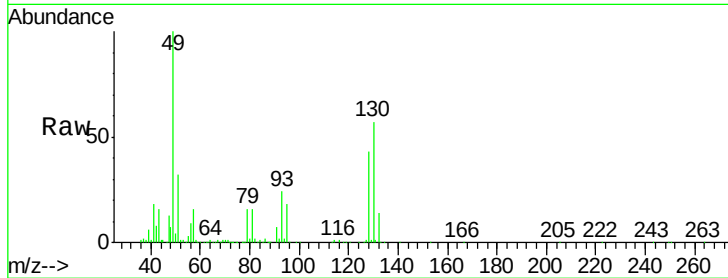
130 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#2

Dichlorodifluoromethane

Concen: 0.293 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036852.D

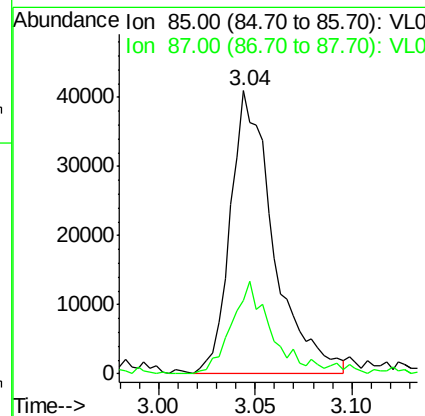
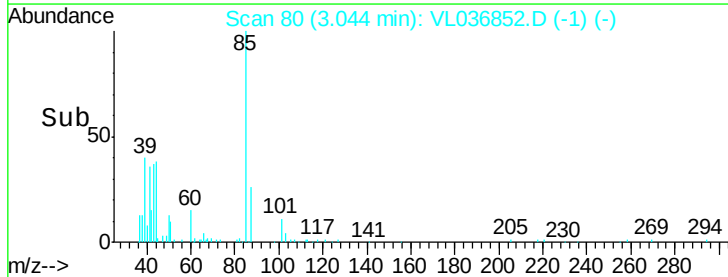
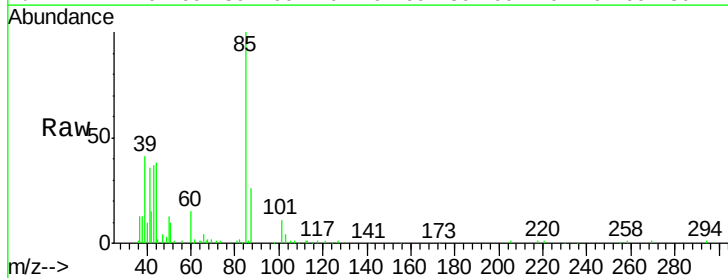
Acq: 27 Apr 2021 11:15

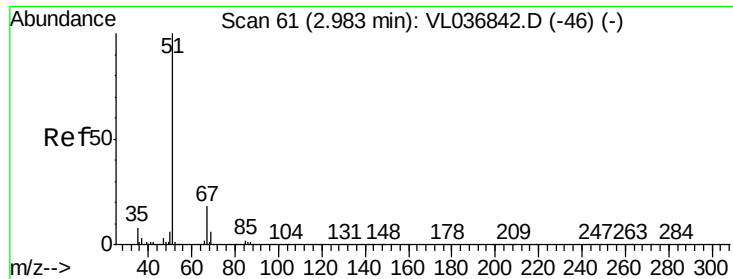
Tgt Ion: 85 Resp: 63538

Ion Ratio Lower Upper

85 100

87 26.2 26.2 39.2#





#3

Chlorodifluoromethane

Concen: 0.511 ppbv

RT: 2.99 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: LA1

Acq: 27 Apr 2021 11:15

Tot Ion:

Ion Ratio

51 100

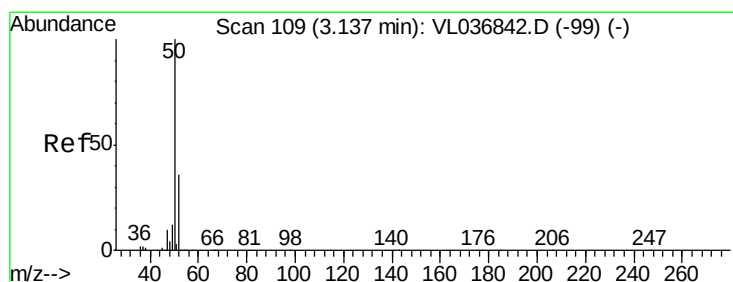
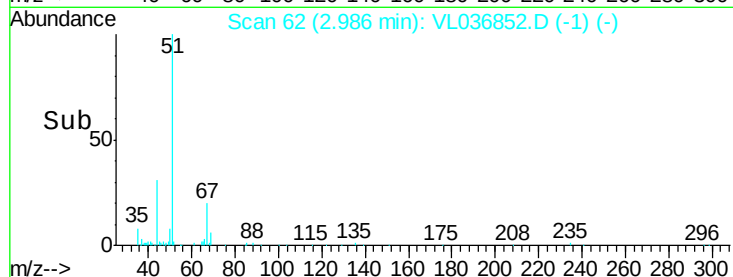
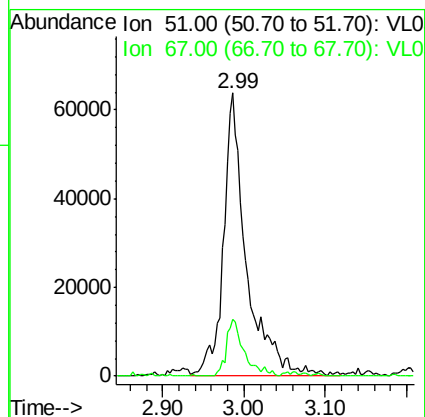
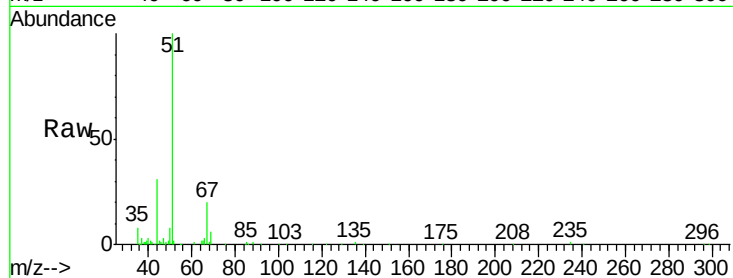
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#4

Chloromethane

Concen: 0.530 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL036852.D

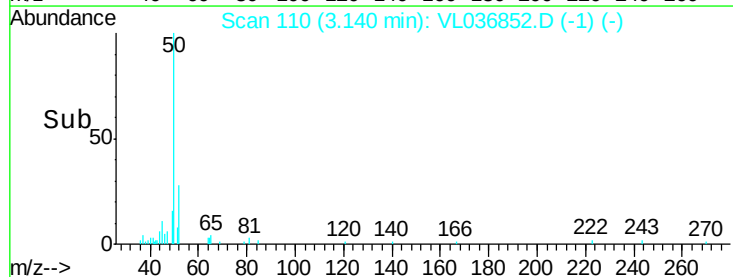
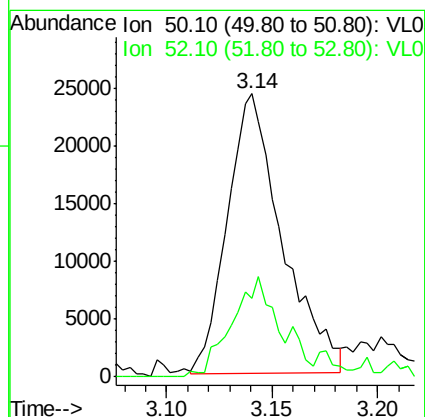
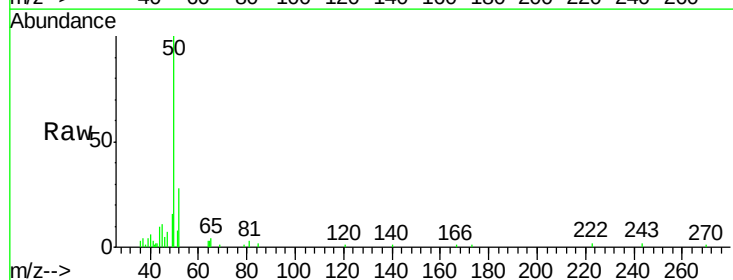
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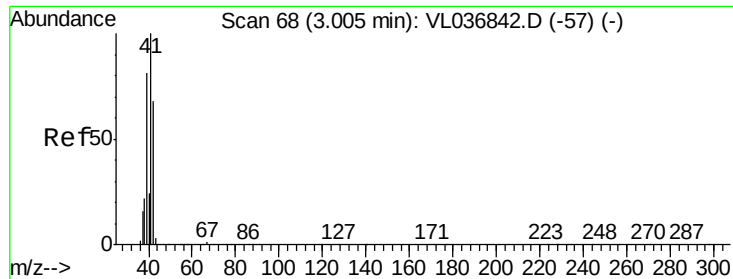
Tgt Ion: 50 Resp: 43696

Ion Ratio Lower Upper

50 100

52 26.4 28.5 42.7#





#9

Propene

Concen: 1.784 ppbv m

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 11:15

Tot Ion:

Ion Ratio

41 100

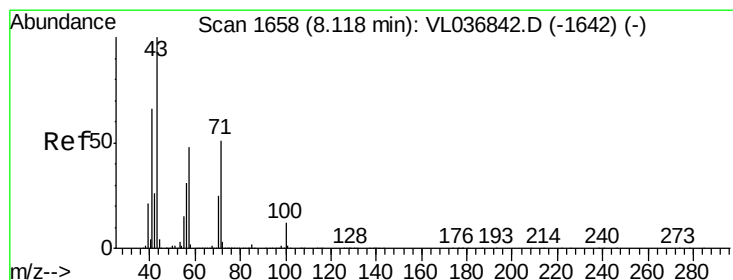
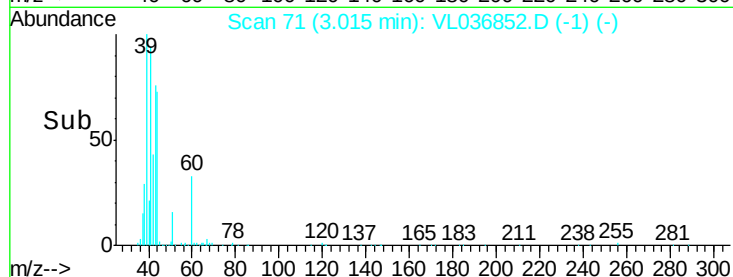
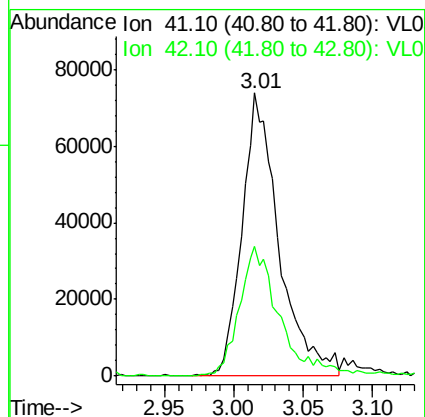
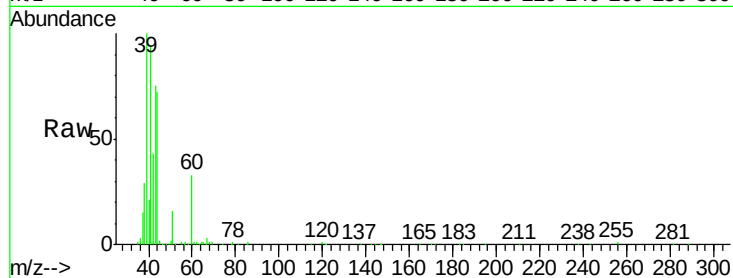
42 63.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#10

Heptane

Concen: 0.221 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL036852.D

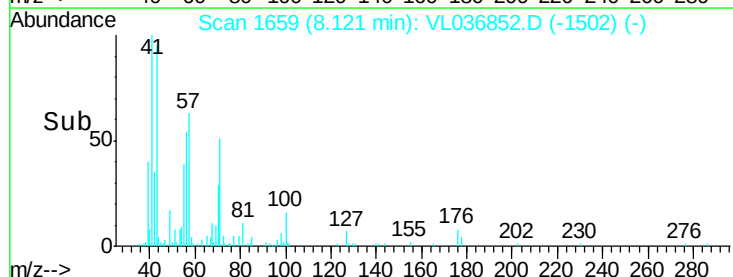
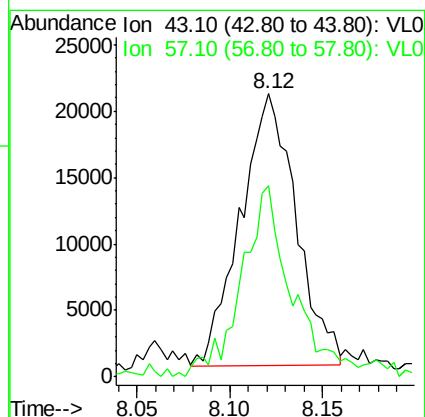
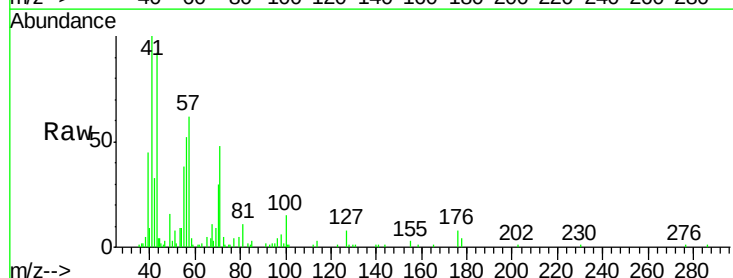
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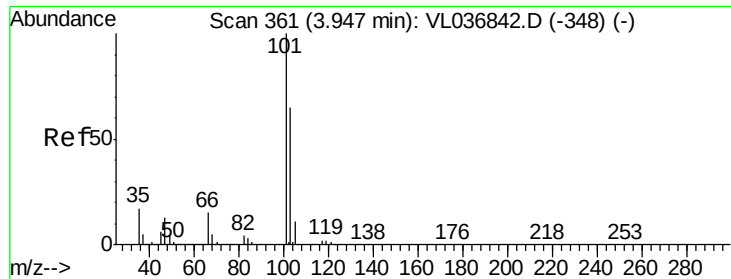
Tgt Ion: 43 Resp: 42422

Ion Ratio Lower Upper

43 100

57 66.7 38.8 58.2#





#11

Trichlorofluoromethane

Concen: 0.244 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 11:15

Tot Ion:1

Ion Ratio

101 100

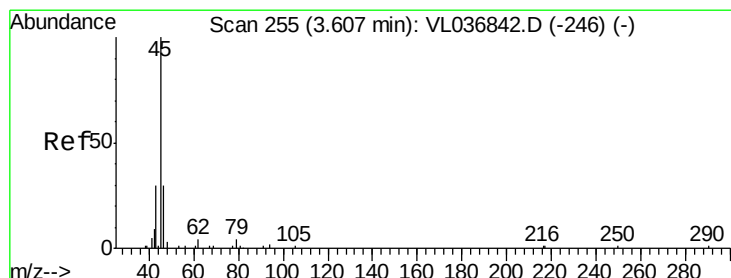
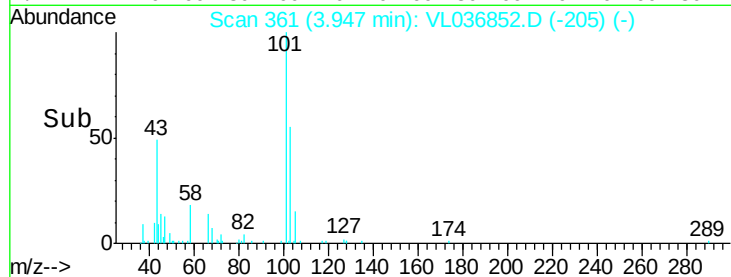
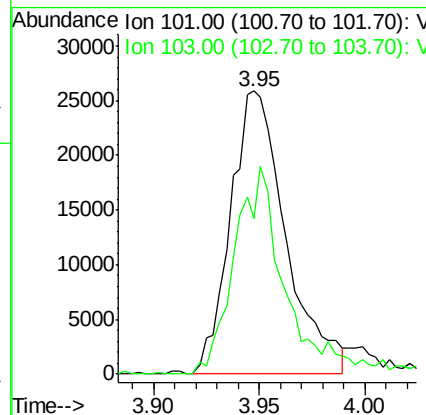
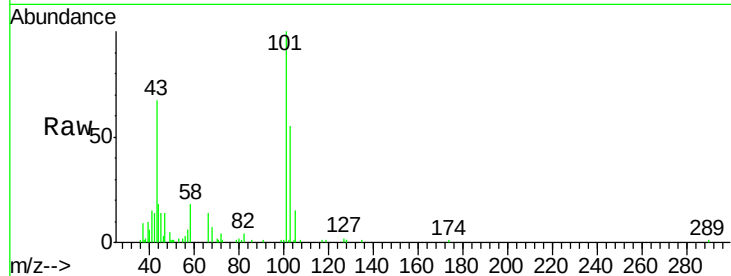
103 54.

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#13

Ethanol

Concen: 139.339 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036852.D

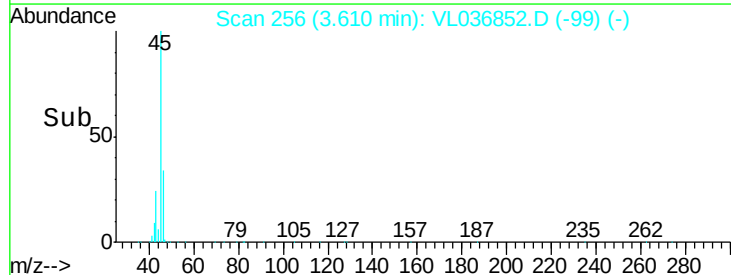
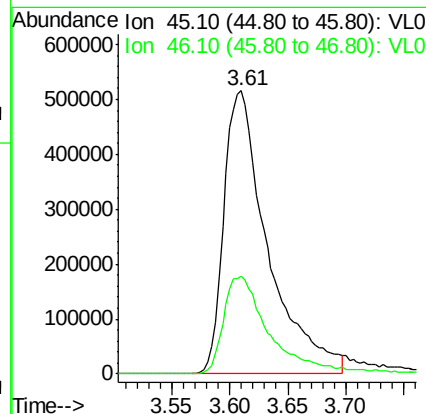
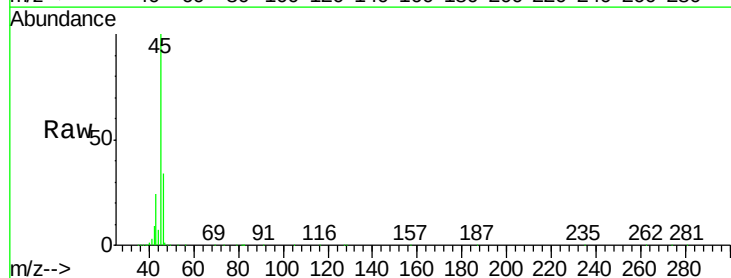
Acq: 27 Apr 2021 11:15

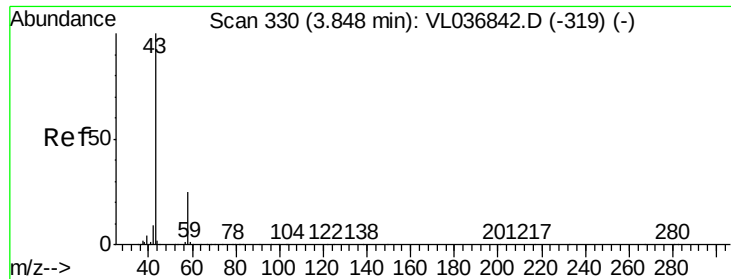
Tgt Ion: 45 Resp: 1357691

Ion Ratio Lower Upper

45 100

46 37.2 16.8 67.4



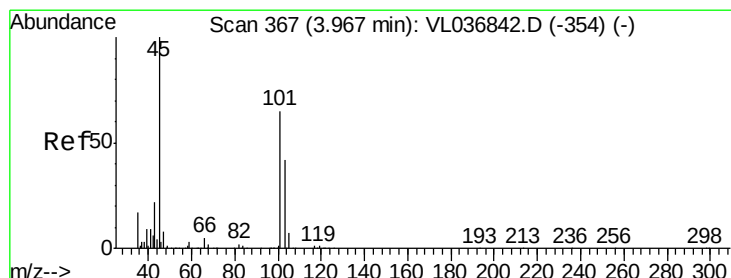
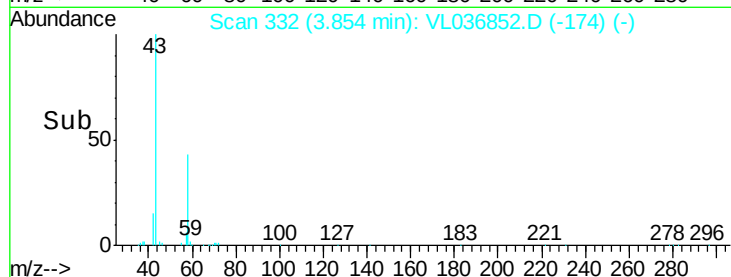
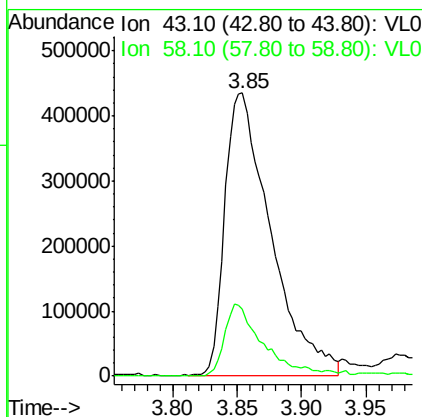
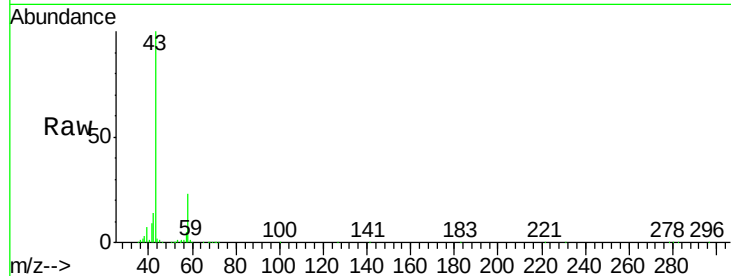


#15
Acetone
Concen: 8.294 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 11:15

Tot Ion:
Ion Ratio
43 100
58 21.

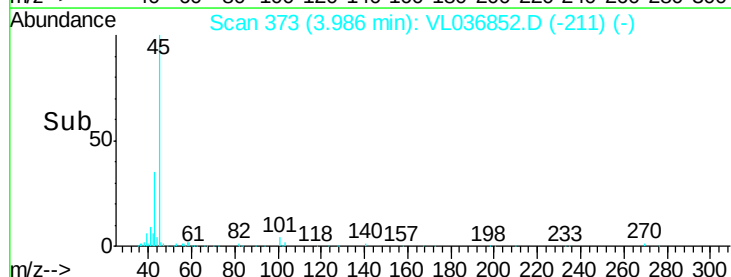
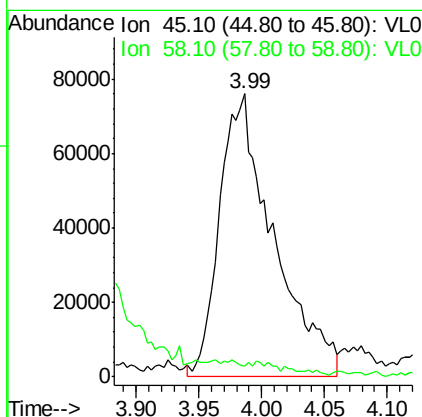
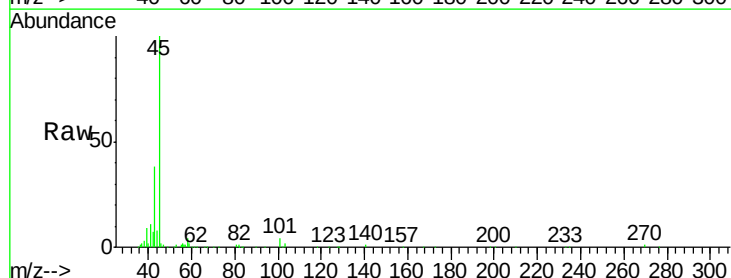
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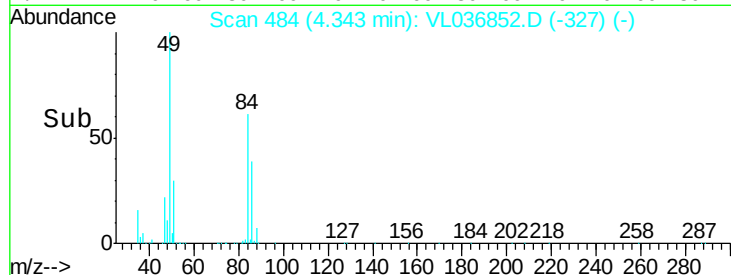
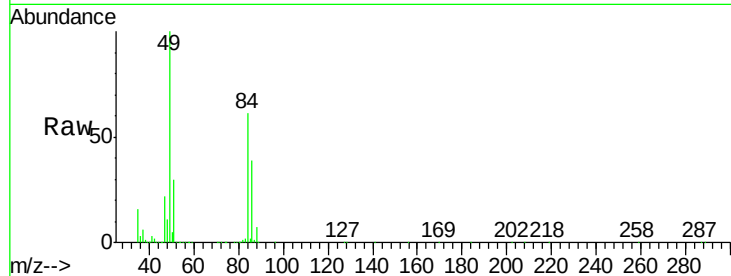
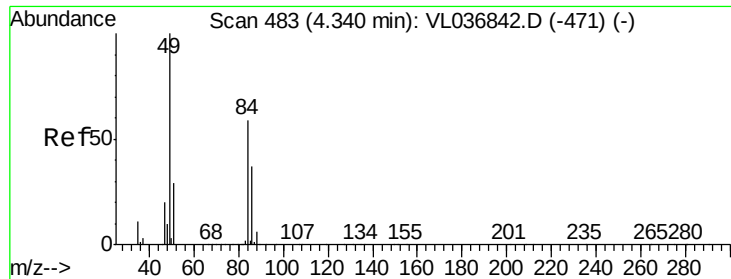
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#19
Isopropyl Alcohol
Concen: 3.519 ppbv m
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL036852.D
Acq: 27 Apr 2021 11:15

Tgt Ion: 45 Resp: 226222
Ion Ratio Lower Upper
45 100
58 7.3 2.8 4.2#



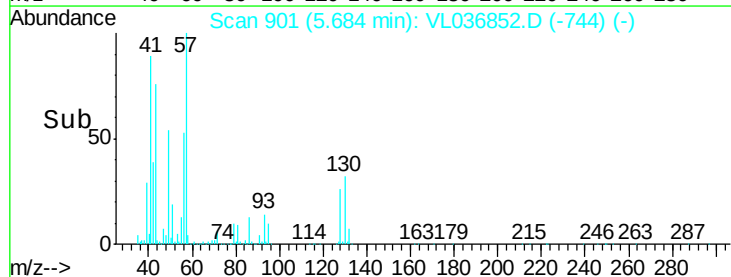
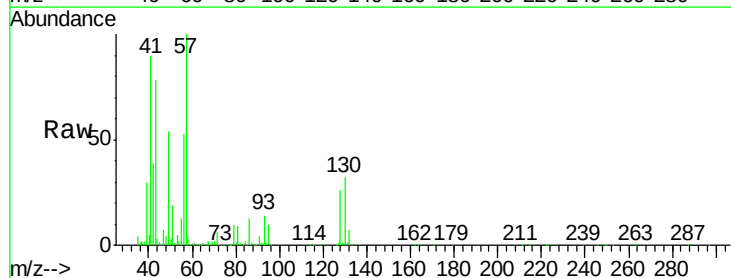
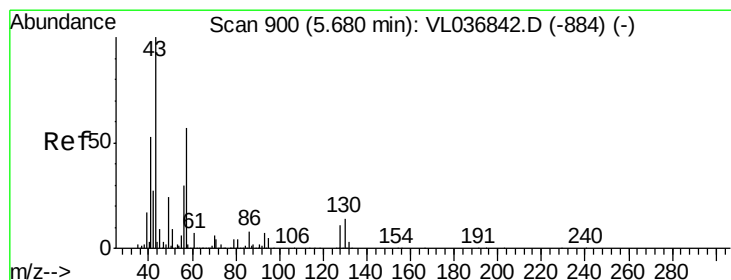
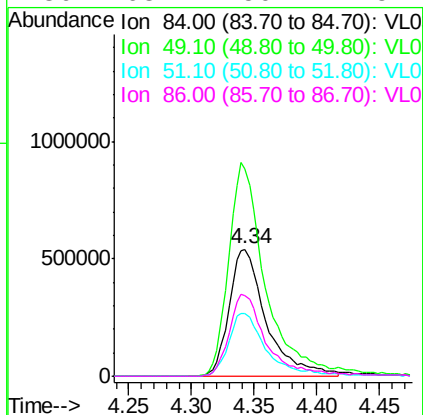


#20
Methvlene Chloride
Concen: 17.926 ppbv
RT: 4.34
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 27 Apr 2021 11:15

Tot Ion:
Ion Ratio
84 100
49 163.
51 48.
86 63.4 50.2 75.2

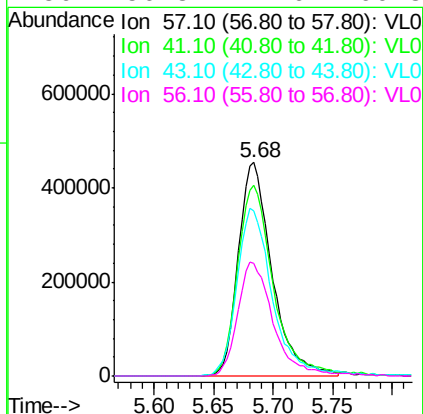
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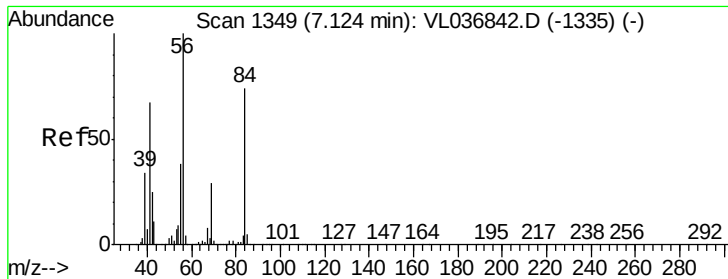
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#26
Hexane
Concen: 6.026 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL036852.D
Acq: 27 Apr 2021 11:15

Tgt Ion: 57 Resp: 893474
Ion Ratio Lower Upper
57 100
41 95.4 77.7 116.5
43 83.7 180.5 270.7#
56 56.8 44.6 66.8



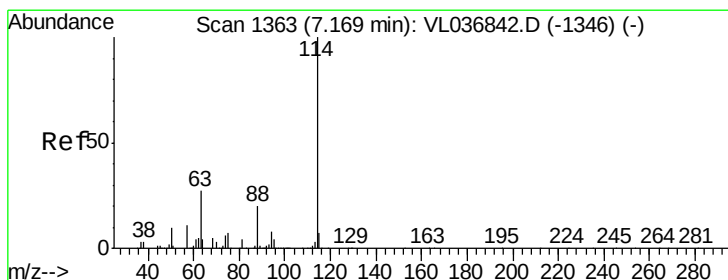
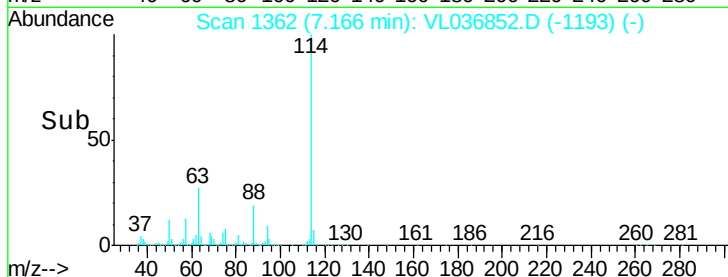
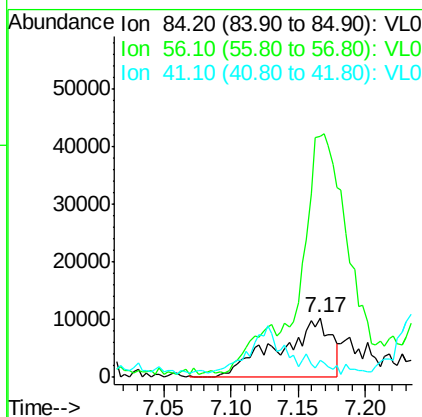
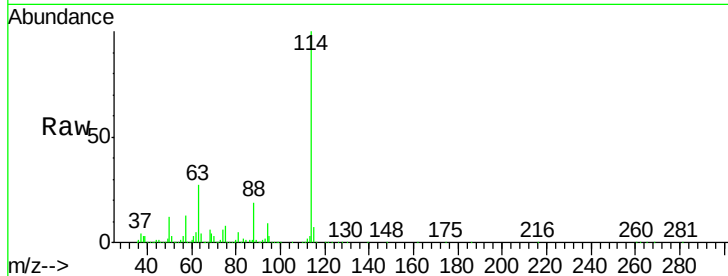


#30
Cvclohexane
Concen: 0.235 ppbv m
RT: 7.17
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 11:15

Tot Ion:
Ion Ratio
84 100
56 0.
41 69.

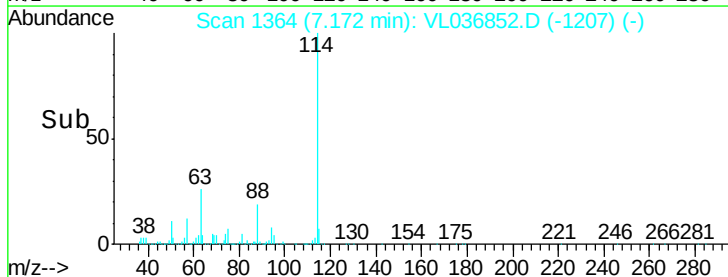
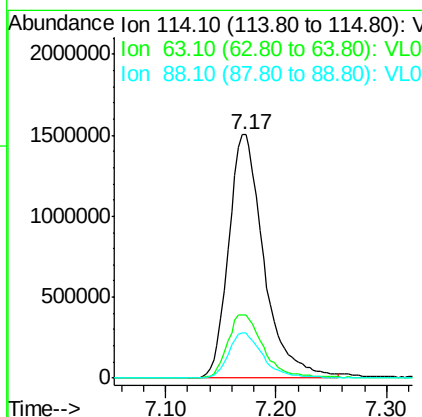
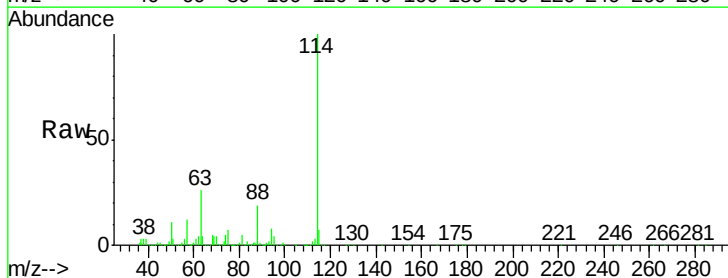
Manual Integrations
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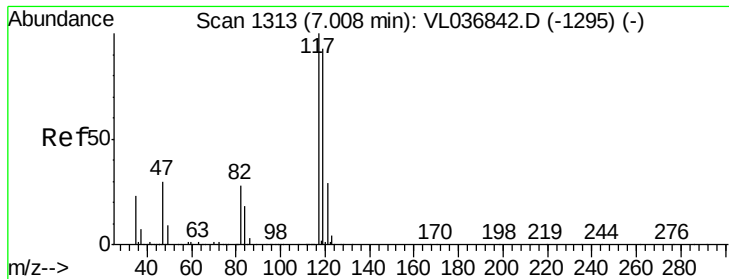
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL036852.D
Acq: 27 Apr 2021 11:15

Tgt Ion:114 Resp: 3345470
Ion Ratio Lower Upper
114 100
63 26.8 21.9 32.9
88 18.5 15.1 22.7





#35

Carbon Tetrachloride

Concen: 0.070 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

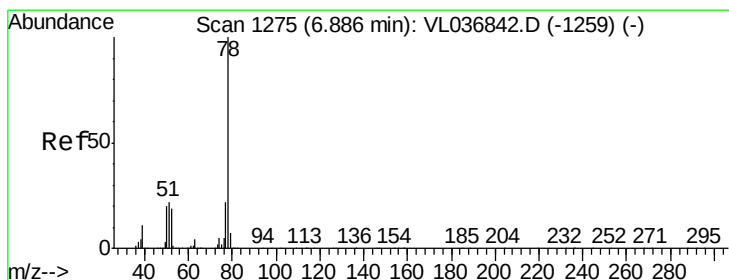
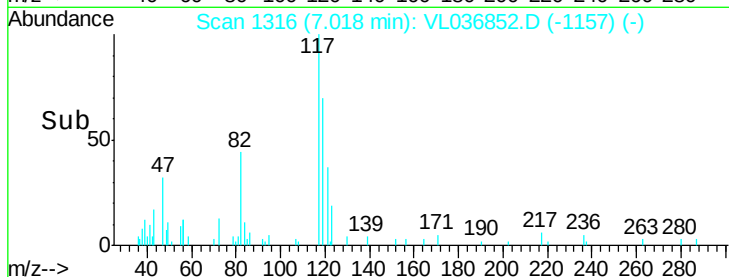
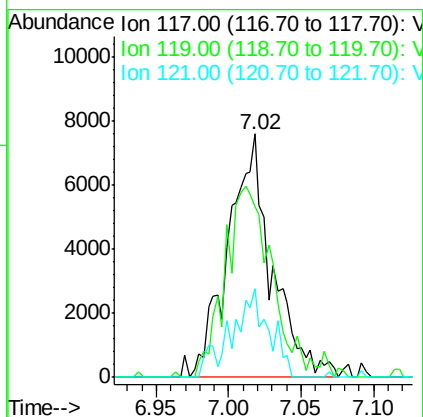
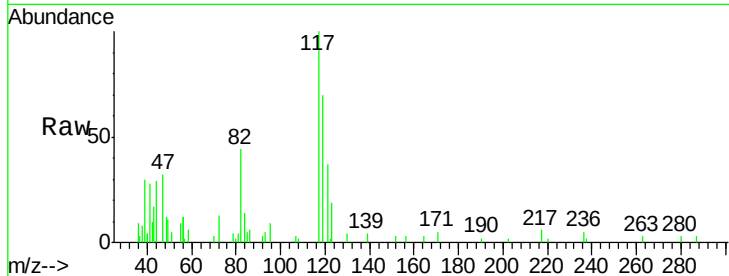
Lab File: ClientSampleId :

Acq: 27 Apr 2021 11:15

Tot Ion:1
Ion Rati
117 100
119 70.
121 36.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#36

Benzene

Concen: 0.210 ppbv

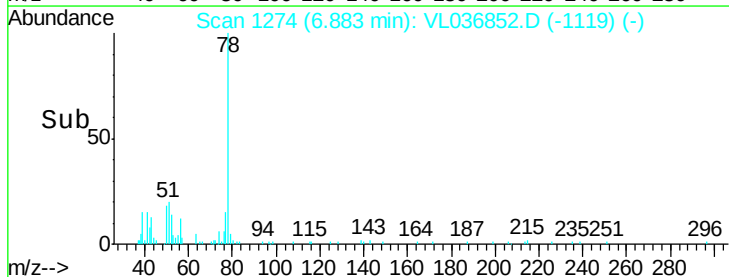
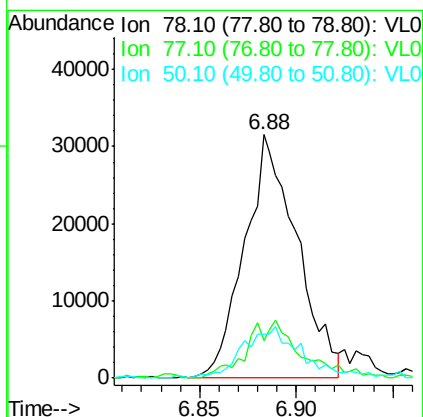
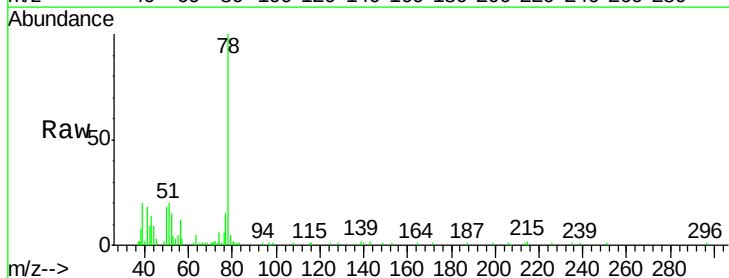
RT: 6.88 min Scan# 1274

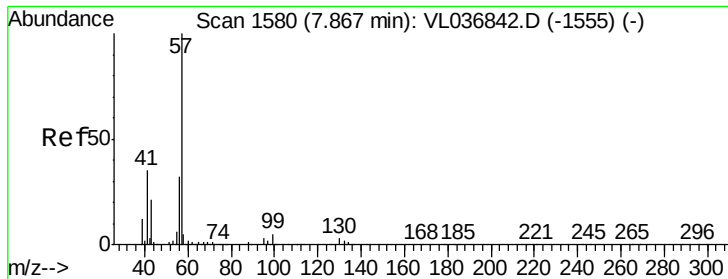
Delta R.T. -0.00 min

Lab File: VL036852.D

Acq: 27 Apr 2021 11:15

Tgt Ion: 78 Resp: 59250
Ion Ratio Lower Upper
78 100
77 15.4 17.6 26.4#
50 17.8 16.3 24.5



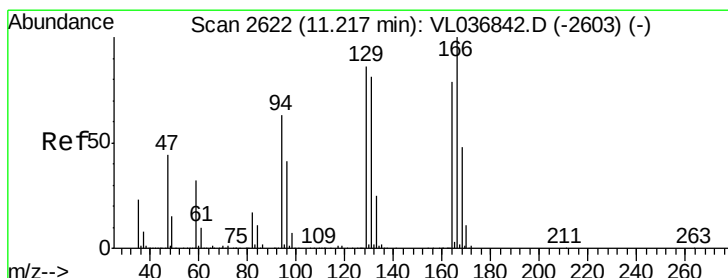
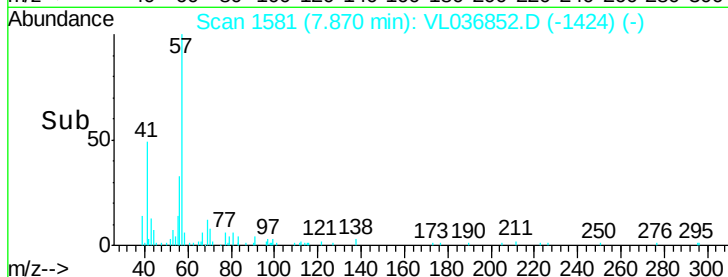
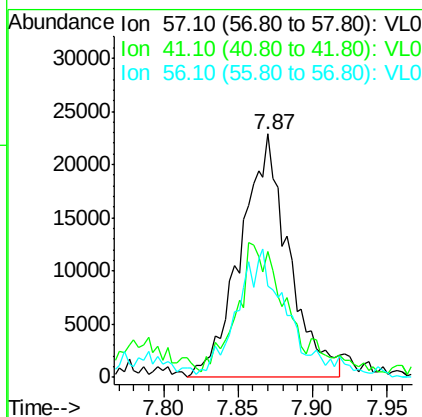
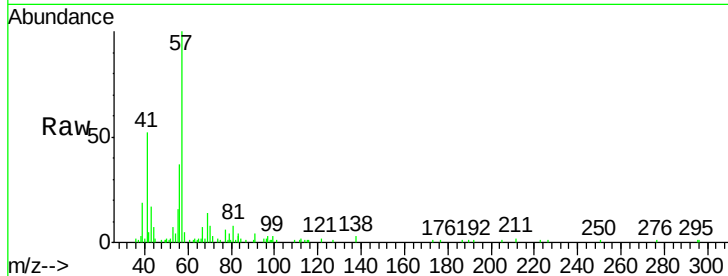


#44
 2,2,4-Trimethylpentane
 Concen: 0.106 ppbv m
 RT: 7.87
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 11:15

Tot Ion:
 Ion Ratio
 57 100
 41 0.
 56 56.

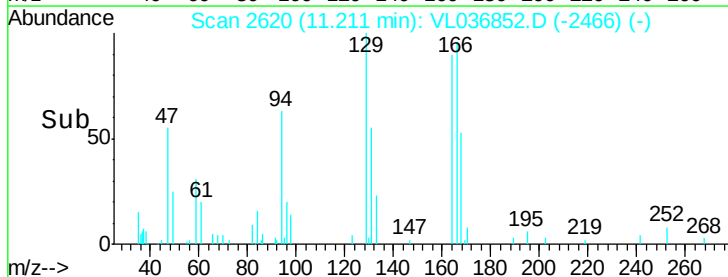
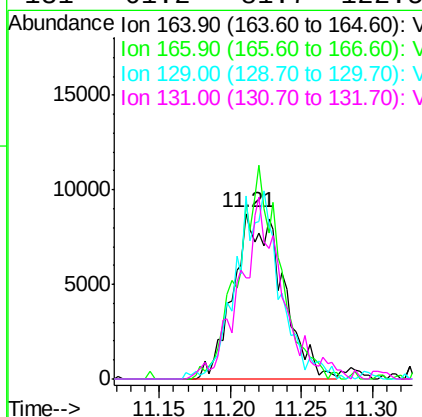
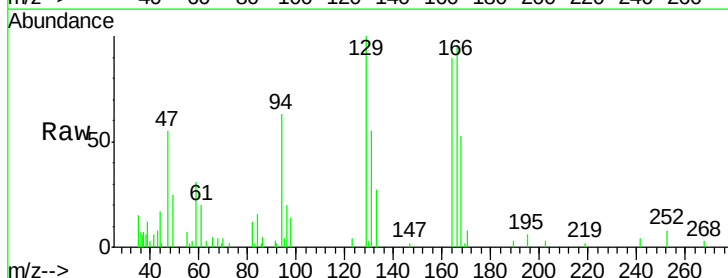
Manual Integrations
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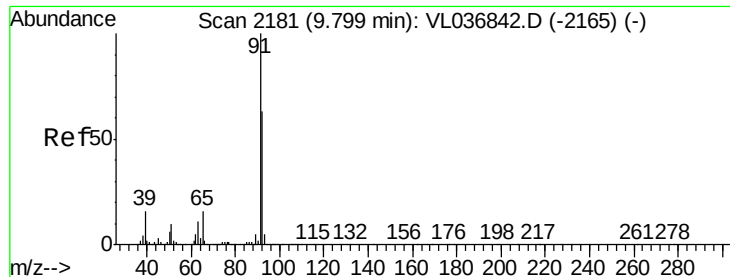
Reviewed By :Semsettin Yesilyurt 04/29/2021
 Supervised By :Mahesh Dadoda 04/29/2021



#52
 Tetrachloroethene
 Concen: 0.219 ppbv m
 RT: 11.21 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: VL036852.D
 Acq: 27 Apr 2021 11:15

Tgt Ion:164 Resp: 21014
 Ion Ratio Lower Upper
 164 100
 166 106.9 100.9 151.3
 129 111.0 87.0 130.4
 131 61.2 81.7 122.5#





#53

Toluene

Concen: 0.884 ppbv

RT: 9.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 11:15

Tot Ion:

Ion Ratio

91 100

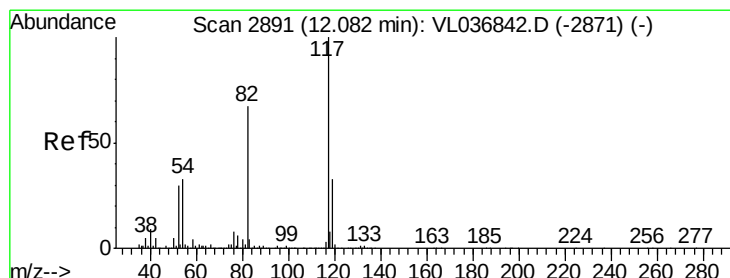
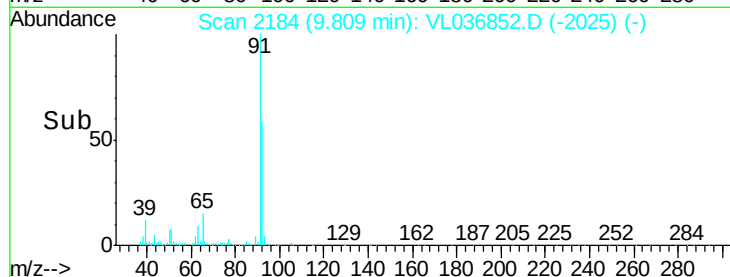
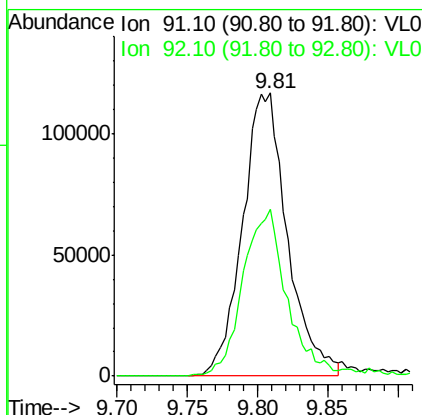
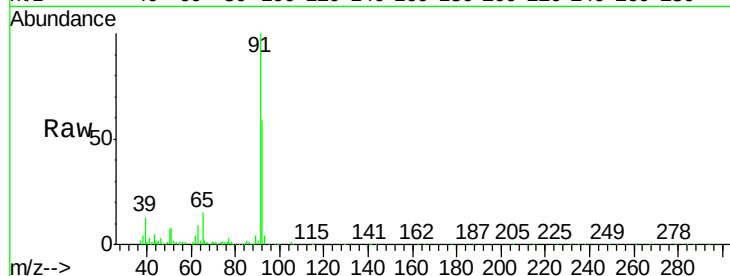
92 59.

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.00 min

Lab File: VL036852.D

Acq: 27 Apr 2021 11:15

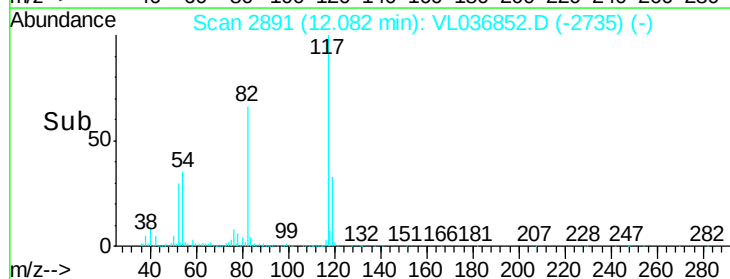
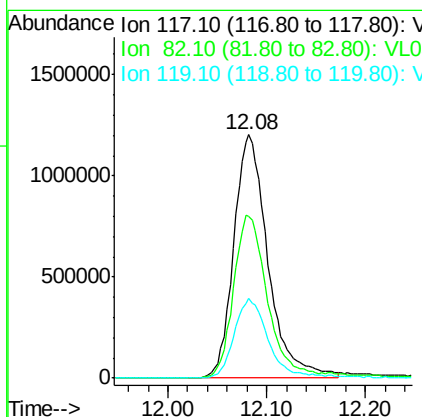
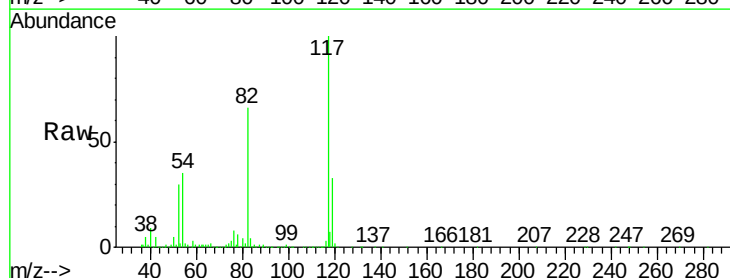
Tgt Ion:117 Resp: 2898552

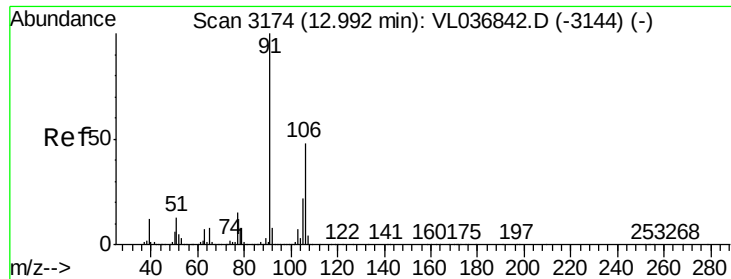
Ion Ratio Lower Upper

117 100

82 68.8 53.5 80.3

119 33.4 25.6 38.4



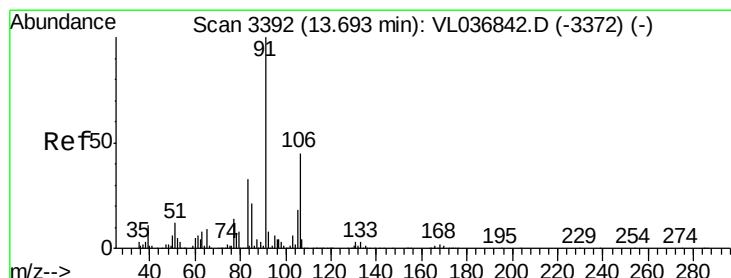
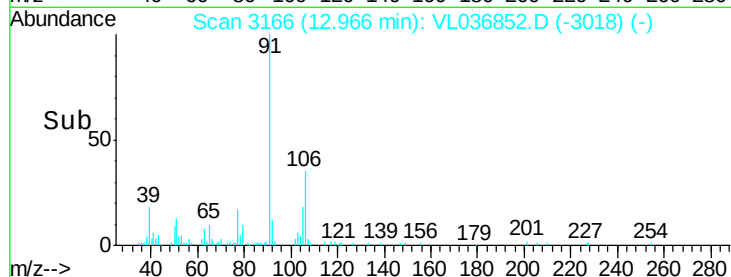
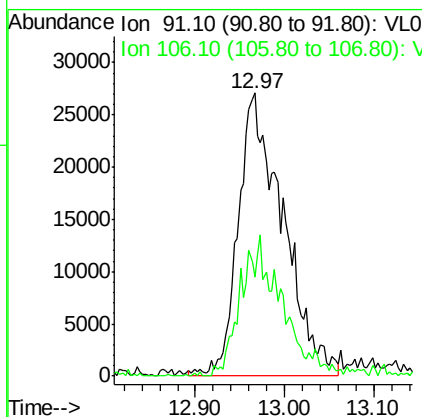
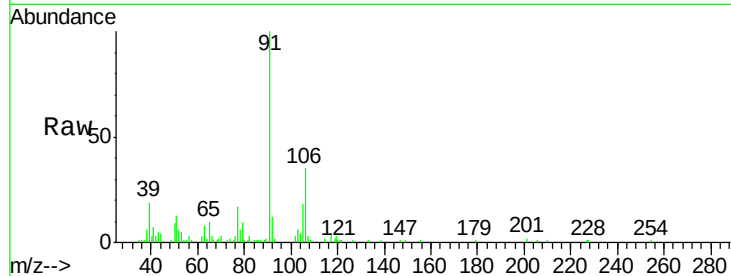


#59
m/p-Xylene
Concen: 0.287 ppbv m
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 11:15

Tot Ion:
Ion Ratio
91 100
106 0.

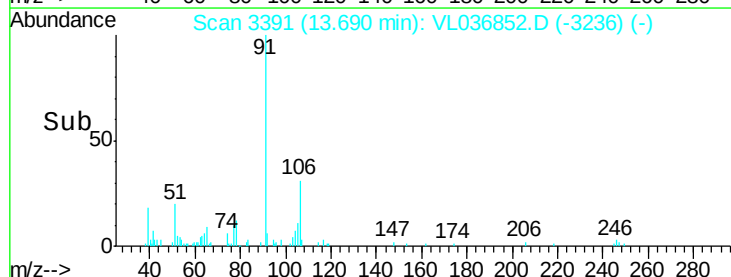
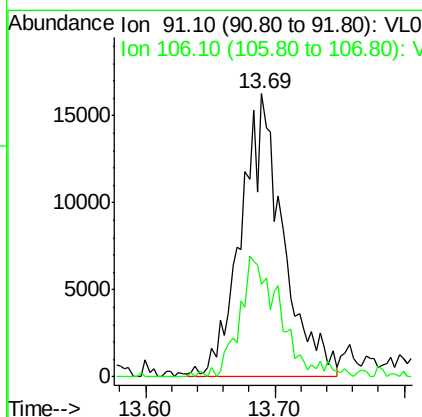
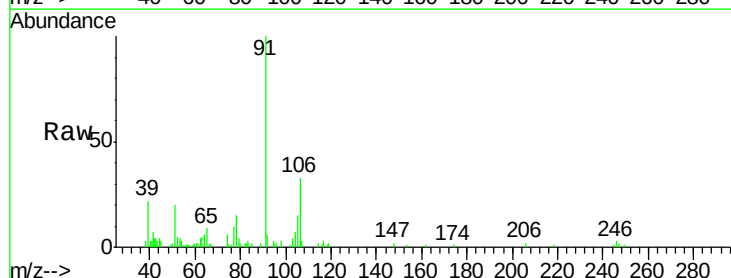
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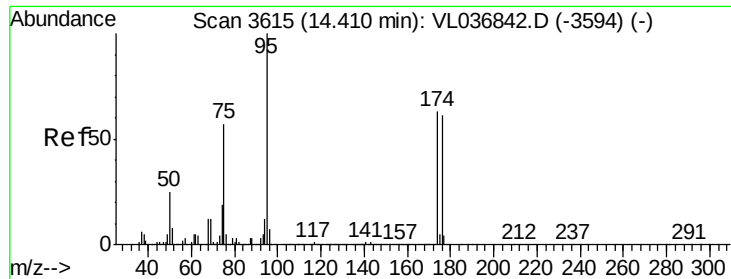
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#60
o-Xylene
Concen: 0.116 ppbv m
RT: 13.69 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL036852.D
Acq: 27 Apr 2021 11:15

Tgt Ion: 91 Resp: 36863
Ion Ratio Lower Upper
91 100
106 0.0 22.6 67.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.196 ppbv

RT: 14.41 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 11:15

Tot Ion:

Ion Ratio

95 100

174 64.

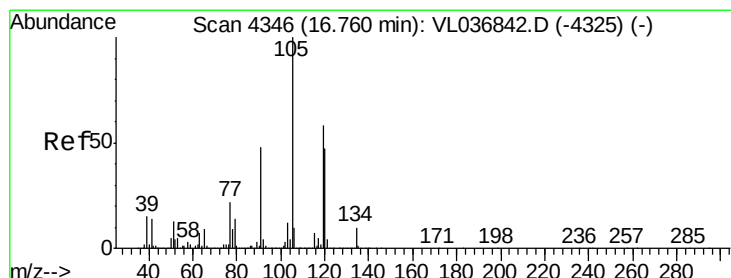
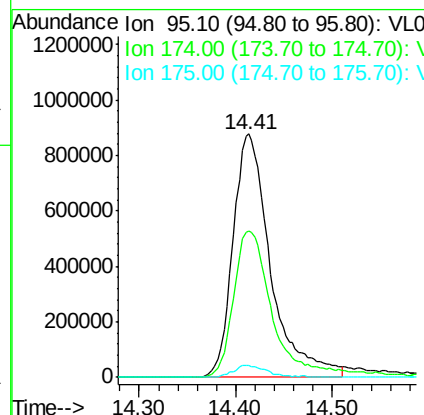
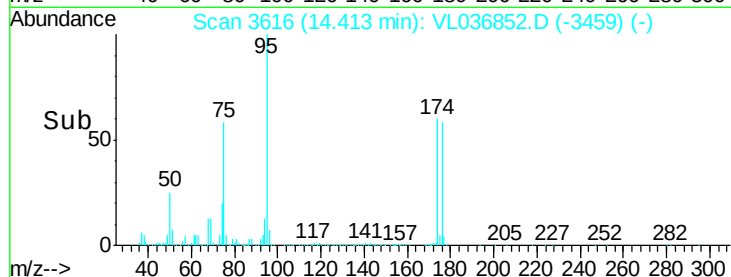
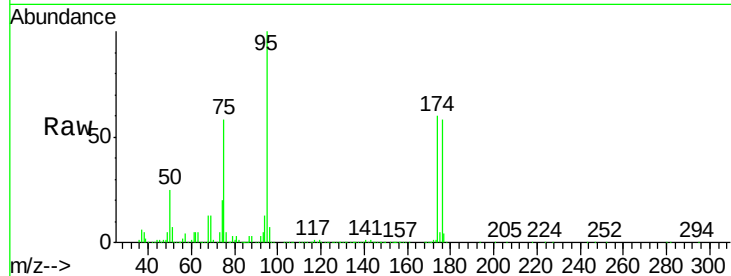
175 4.

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#74

1,2,4-Trimethylbenzene

Concen: 0.097 ppbv m

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL036852.D

Acq: 27 Apr 2021 11:15

Tgt Ion:105 Resp: 34056

Ion Ratio Lower Upper

105 100

120 30.8 37.6 56.4#

91 6.2 39.0 58.4#

77 7.4 17.4 26.0#

