

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036857.D
 Acq On : 27 Apr 2021 14:34
 Operator : SY/AP
 Sample : M2174-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/28/2021
 Supervised By : Mahesh Dadoda 04/29/2021

Quant Time: Apr 29 15:56:18 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	5.67	49	1362138	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3225194	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2716140	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2265465	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	58280	0.272	ppbv	96
3) Chlorodifluoromethane	2.99	51	77139	0.311	ppbv	94
4) Chloromethane	3.14	50	44356m	0.544	ppbv	
9) Propene	3.03	41	64957m	0.859	ppbv	
10) Heptane	8.13	43	26612m	0.140	ppbv	
11) Trichlorofluoromethane	3.95	101	42948	0.224	ppbv	92
13) Ethanol	3.62	45	183152m	18.995	ppbv	
15) Acetone	3.85	43	929884	7.243	ppbv #	89
19) Isopropyl Alcohol	4.01	45	83116m	1.307	ppbv	
20) Methylene Chloride	4.35	84	747516	12.176	ppbv	96
26) Hexane	5.69	57	706072	4.812	ppbv #	45
30) Cyclohexane	7.16	84	34155m	0.294	ppbv	
35) Carbon Tetrachloride	7.03	117	14149m	0.065	ppbv	
36) Benzene	6.89	78	38163	0.140	ppbv #	86
52) Tetrachloroethene	11.22	164	4993m	0.054	ppbv	
53) Toluene	9.81	91	163281	0.574	ppbv	97
59) m/p-Xylene	12.97	91	55273m	0.180	ppbv	

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

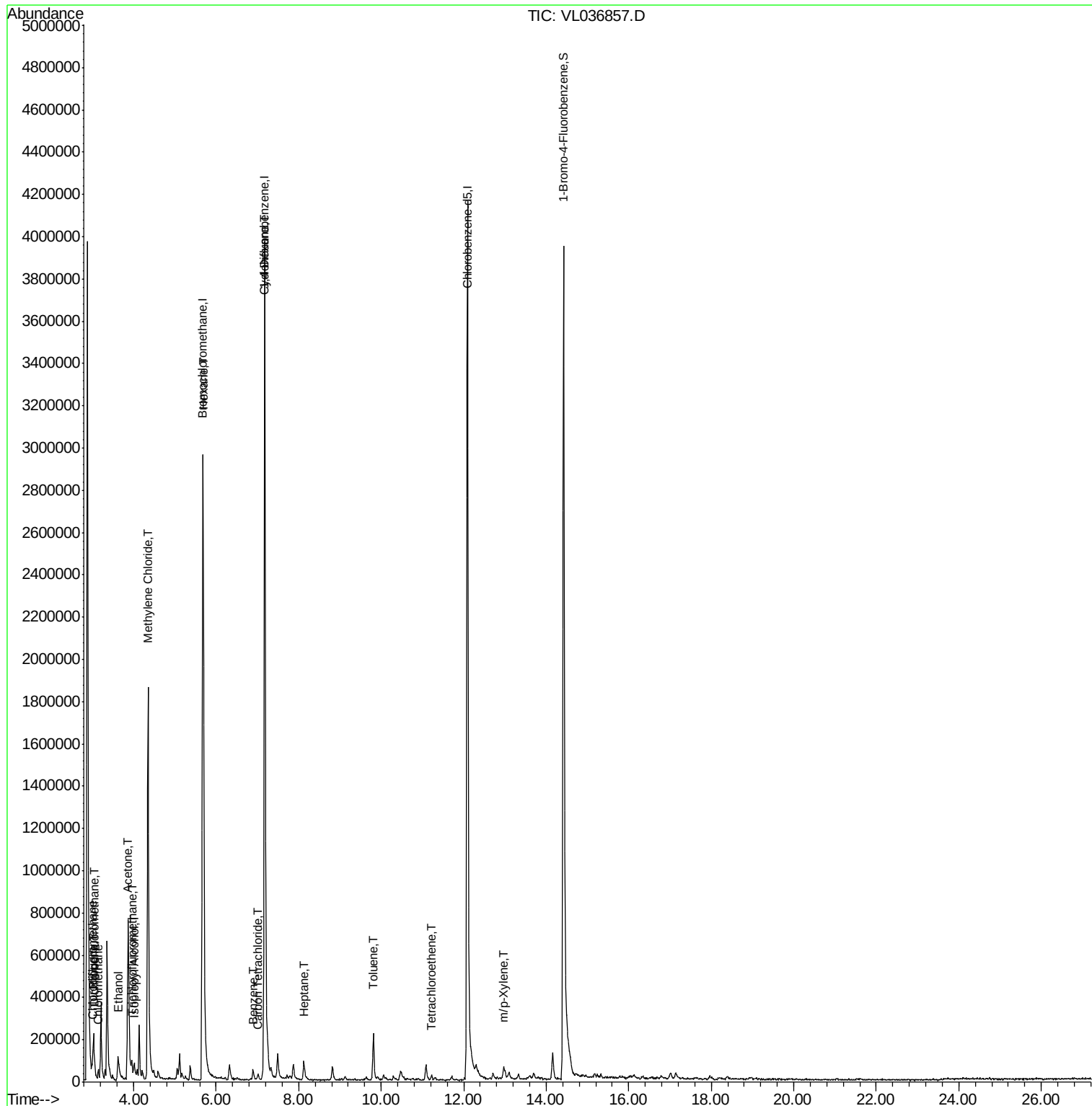
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\
Data File : VL036857.D
Acq On : 27 Apr 2021 14:34
Operator : SY/AP
Sample : M2174-03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

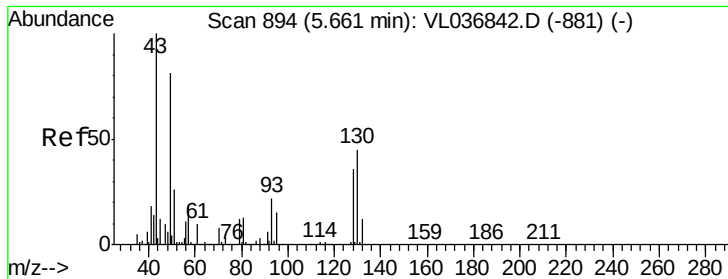
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Apr 29 15:56:18 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Apr 27 16:56:35 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 14:34

Tot Ion:

Ion Ratio

49 100

128 46.

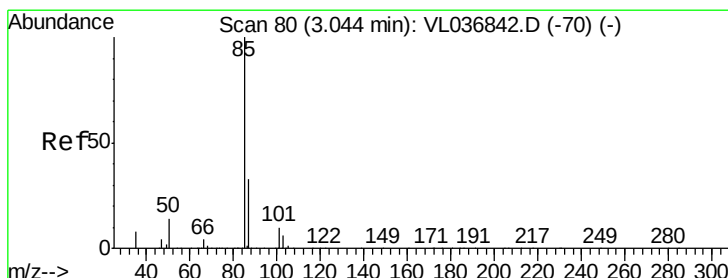
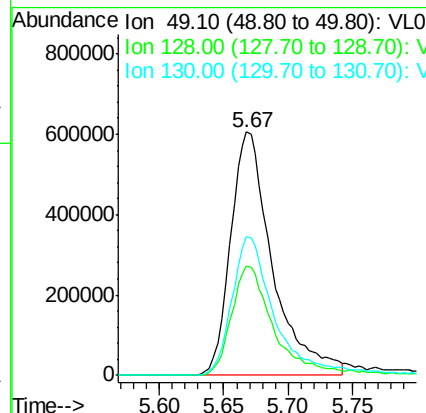
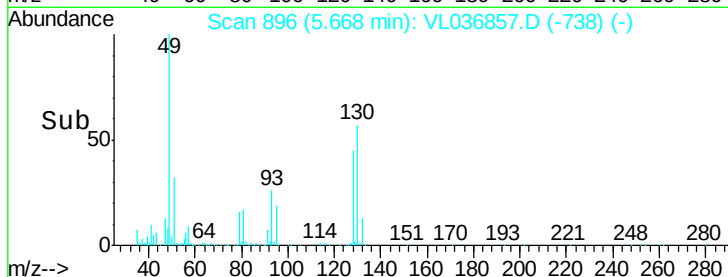
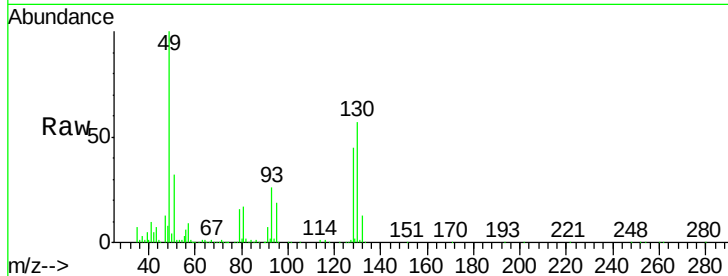
130 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#2

Dichlorodifluoromethane

Concen: 0.272 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL036857.D

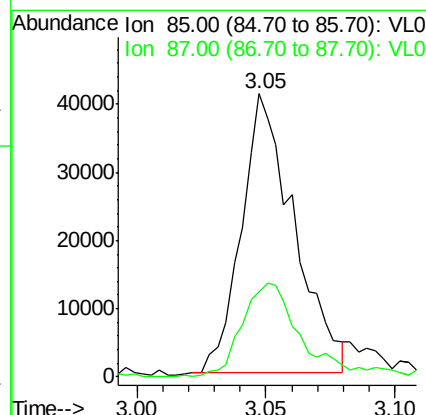
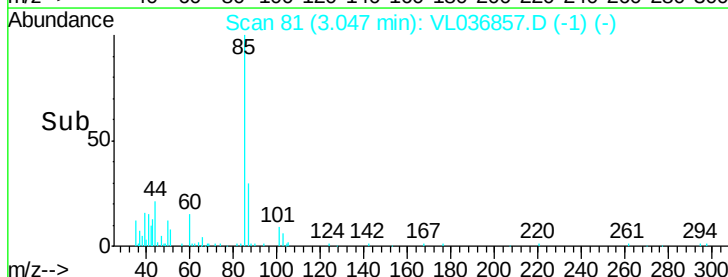
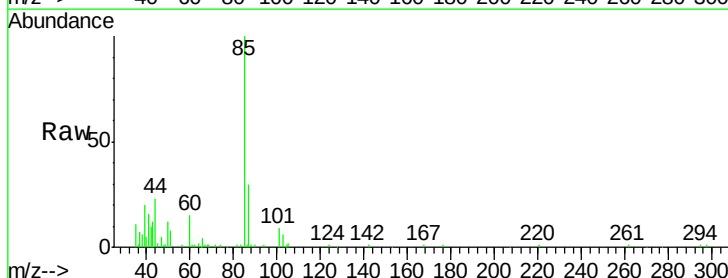
Acq: 27 Apr 2021 14:34

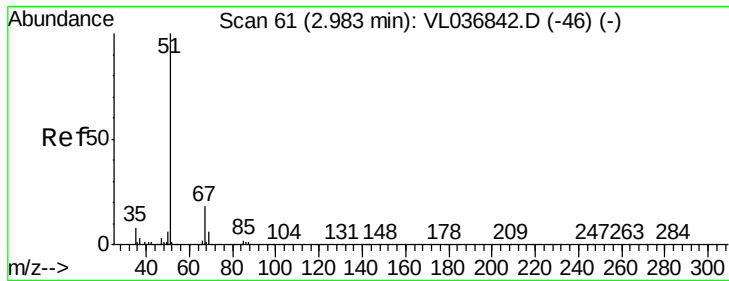
Tgt Ion: 85 Resp: 58280

Ion Ratio Lower Upper

85 100

87 30.6 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.311 ppbv

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 14:34

Tot Ion:

Ion Ratio

51 100

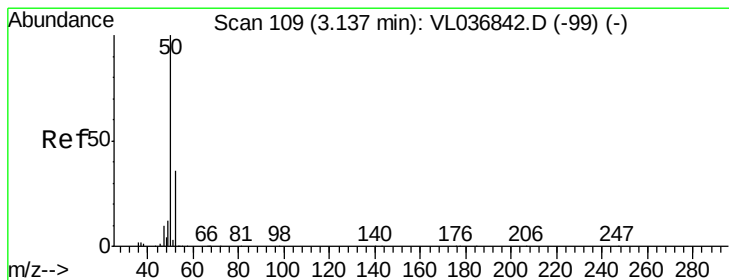
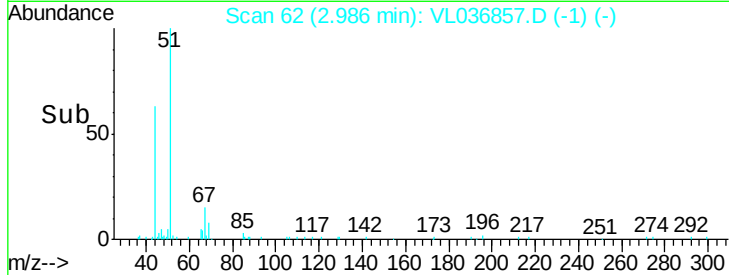
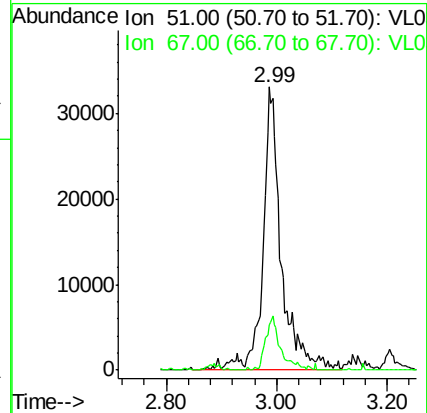
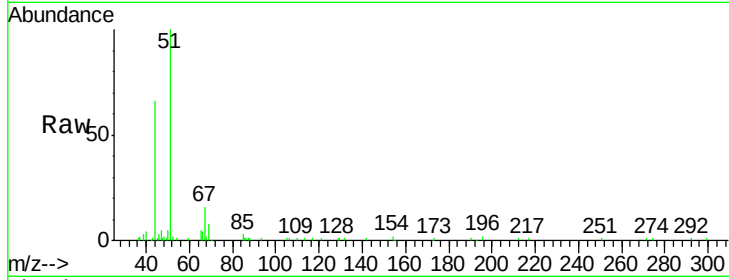
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#4

Chloromethane

Concen: 0.544 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036857.D

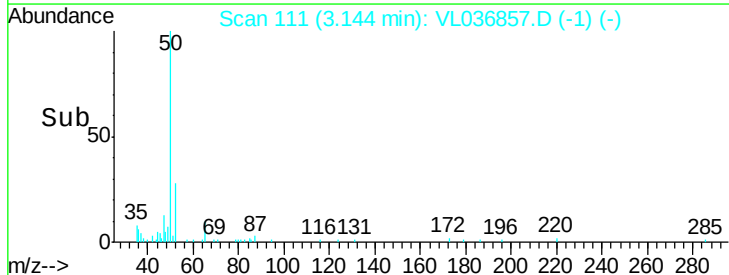
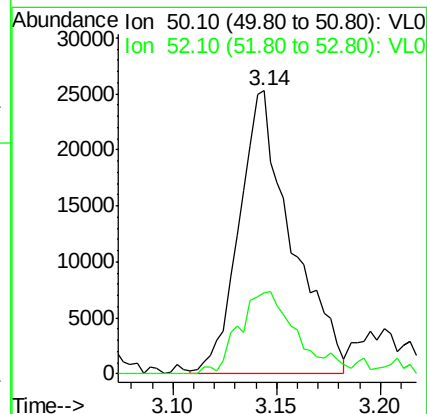
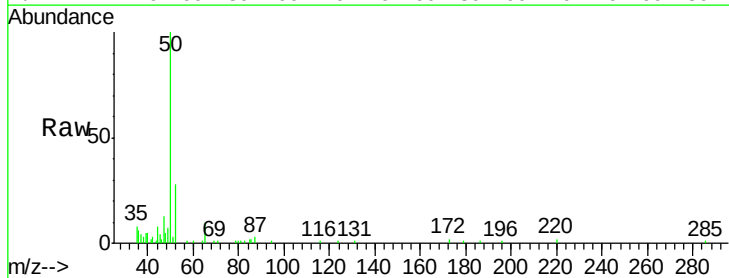
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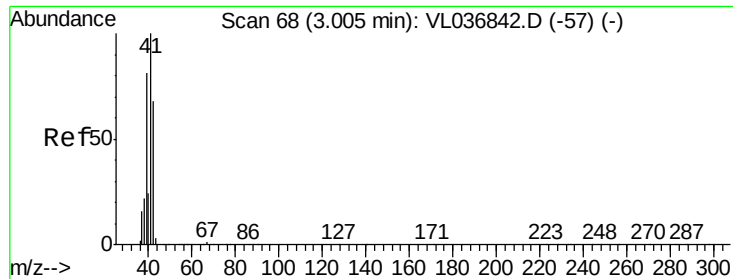
Tgt Ion: 50 Resp: 44356

Ion Ratio Lower Upper

50 100

52 28.5 28.5 42.7#





#9

Propene

Concen: 0.859 ppbv m

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 14:34

Tot Ion:

Ion Ratio

41 100

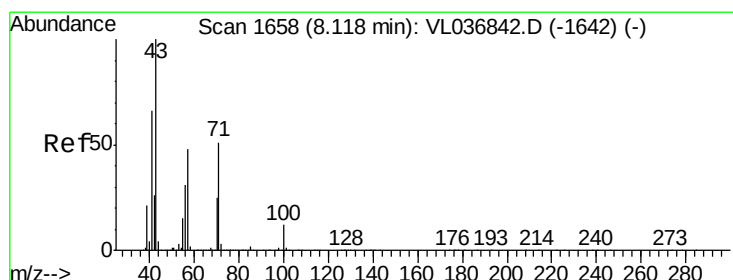
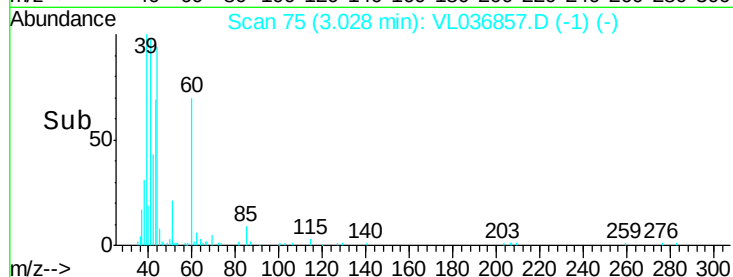
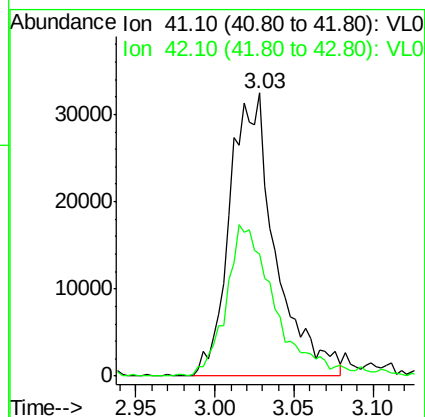
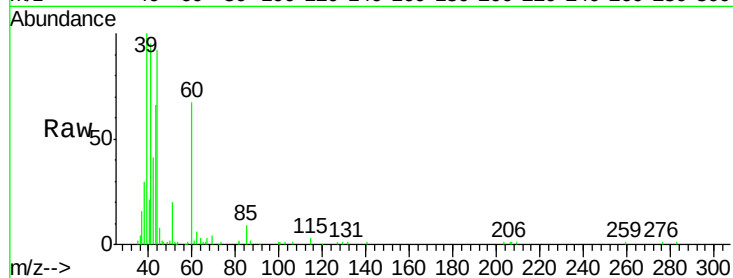
42 143.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#10

Heptane

Concen: 0.140 ppbv m

RT: 8.13 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VL036857.D

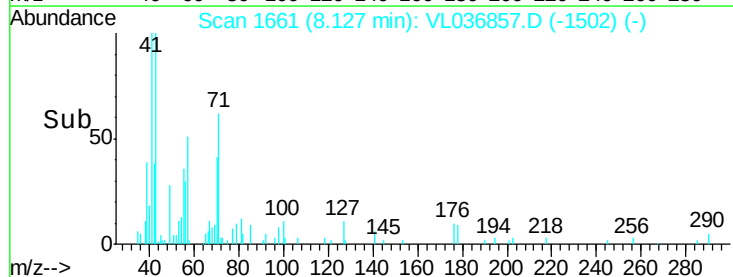
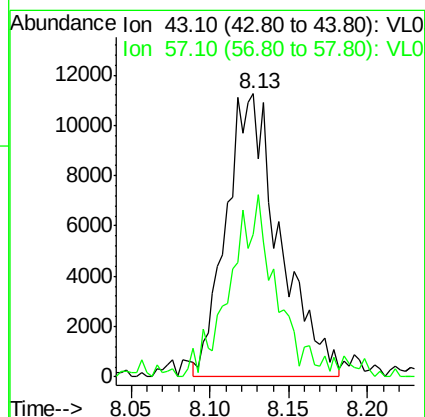
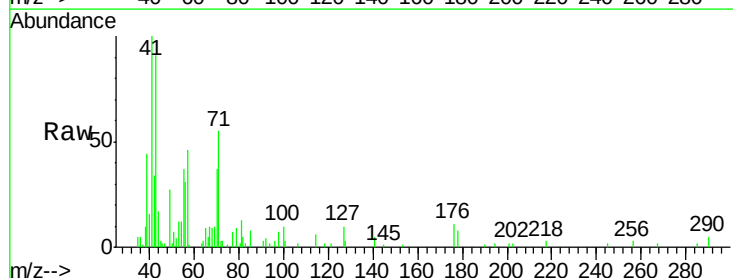
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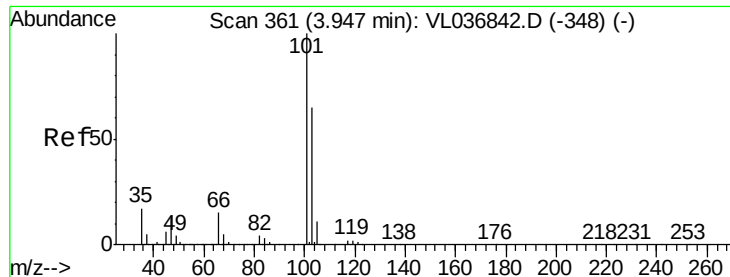
Tgt Ion: 43 Resp: 26612

Ion Ratio Lower Upper

43 100

57 0.0 38.8 58.2#





#11

Trichlorofluoromethane

Concen: 0.224 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 14:34

Tot Ion:1

Ion Rati

101 100

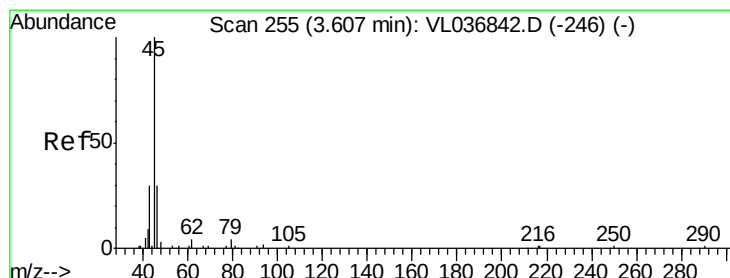
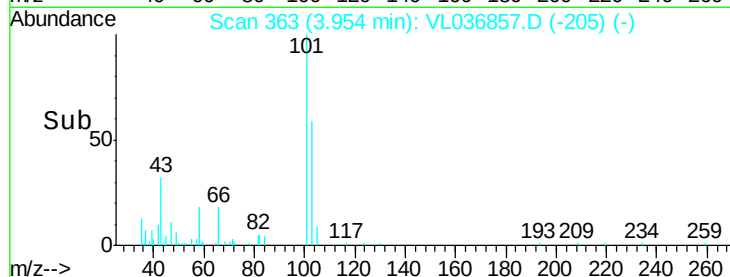
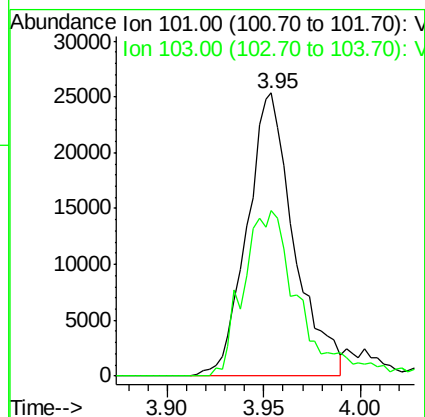
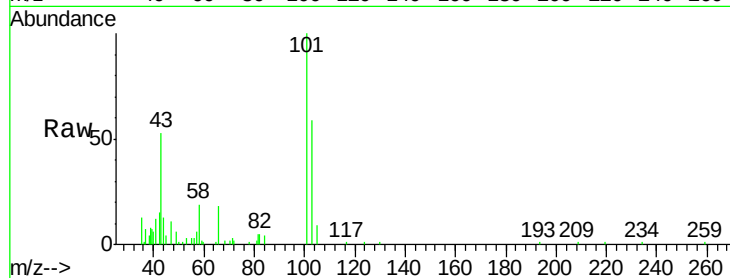
103 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#13

Ethanol

Concen: 18.995 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036857.D

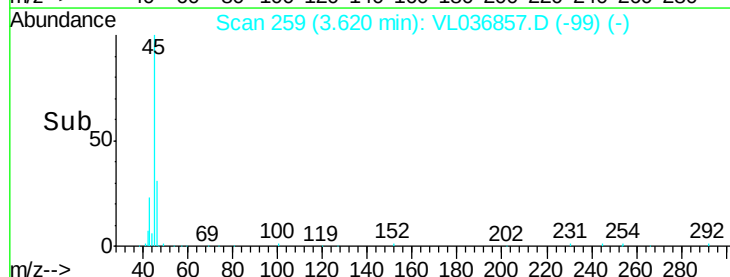
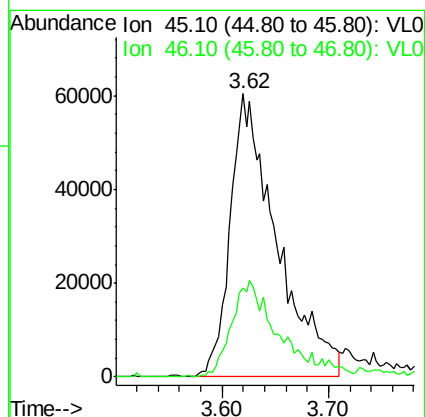
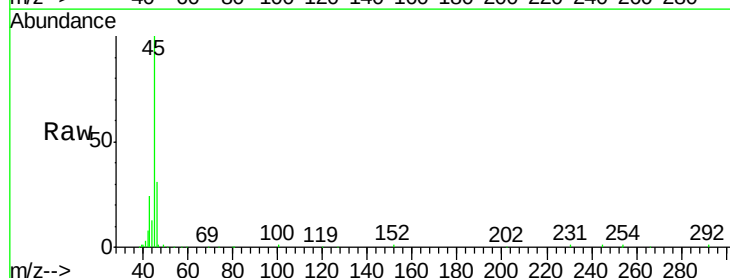
Acq: 27 Apr 2021 14:34

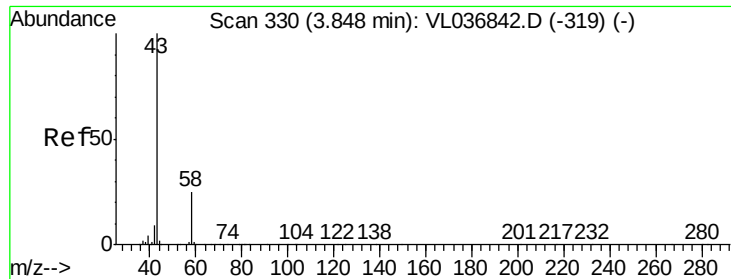
Tgt Ion: 45 Resp: 183152

Ion Ratio Lower Upper

45 100

46 36.8 16.8 67.4



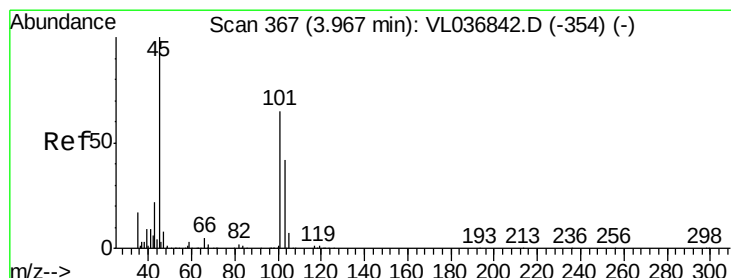
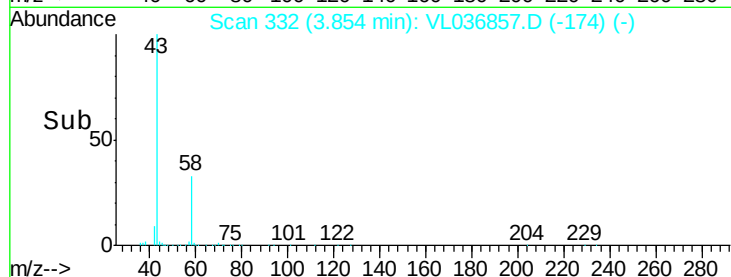
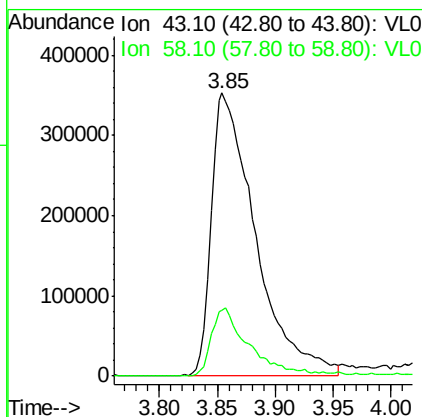
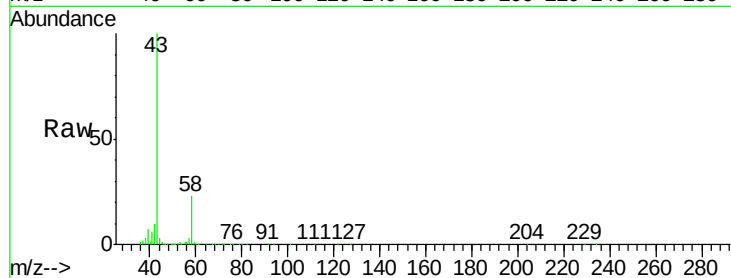


#15
Acetone
Concen: 7.243 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 14:34

Tot Ion:
Ion Ratio
43 100
58 21.

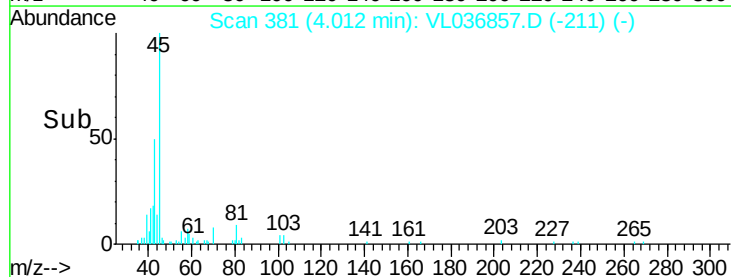
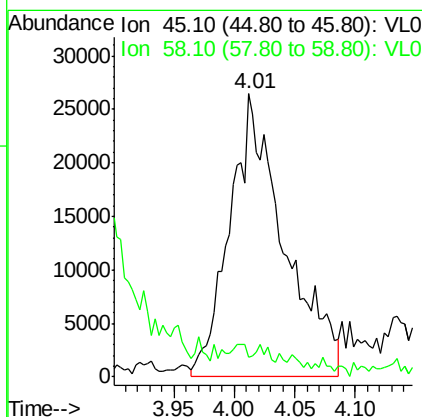
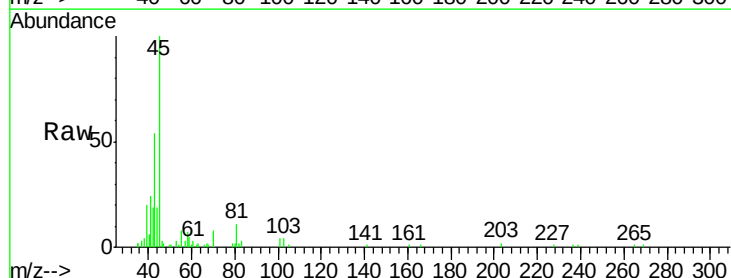
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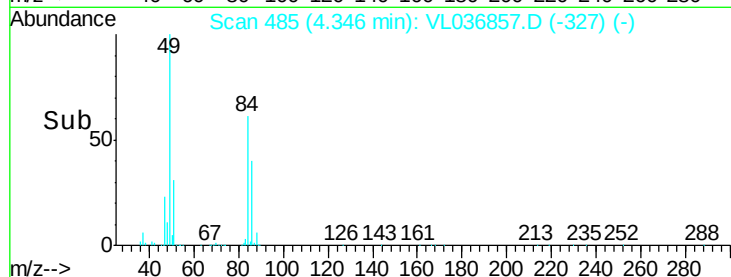
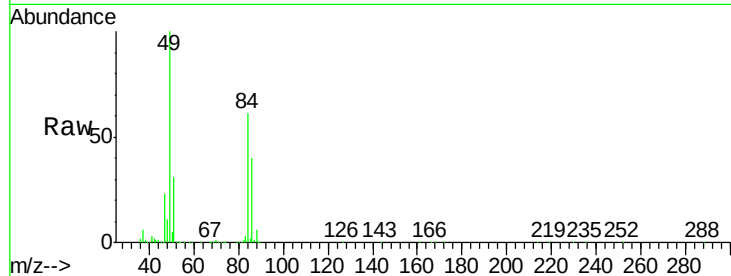
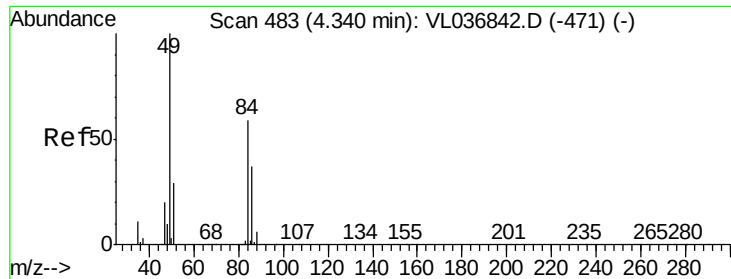
Reviewed By :Semsettin Yesilyurt 04/28/2021
Supervised By :Mahesh Dadoda 04/29/2021



#19
Isopropyl Alcohol
Concen: 1.307 ppbv m
RT: 4.01 min Scan# 381
Delta R.T. 0.05 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 45 Resp: 83116
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#



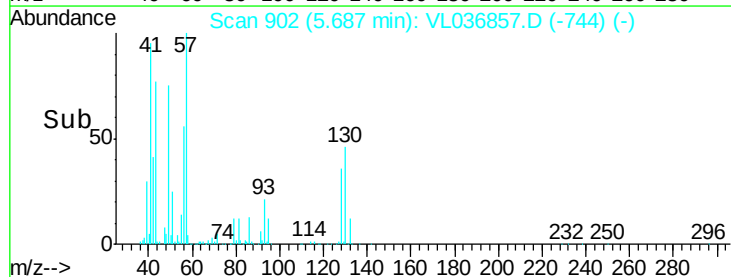
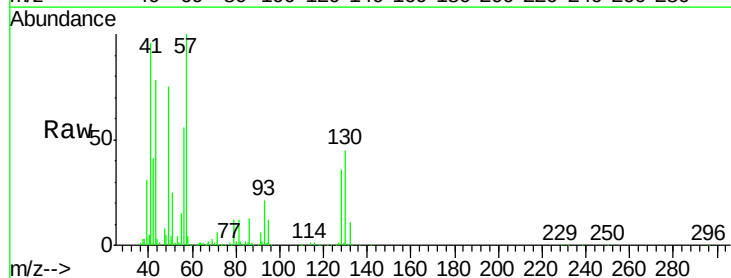
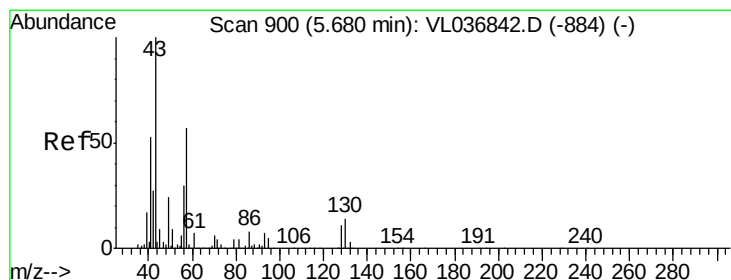
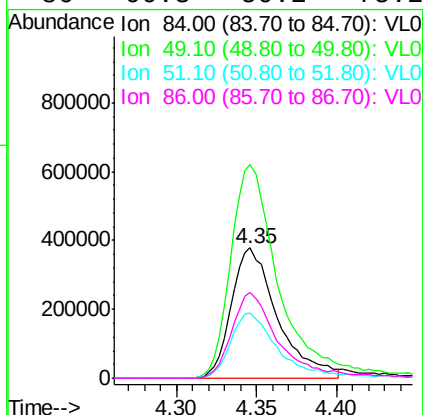


#20
Methvlene Chloride
Concen: 12.176 ppbv
RT: 4.35
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 27 Apr 2021 14:34

Tot Ion:
Ion Ratio
84 100
49 164.
51 50.
86 66.3 50.2 75.2

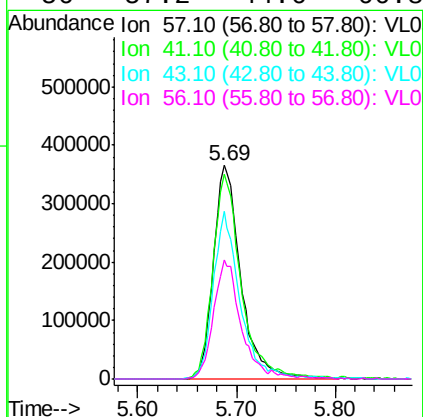
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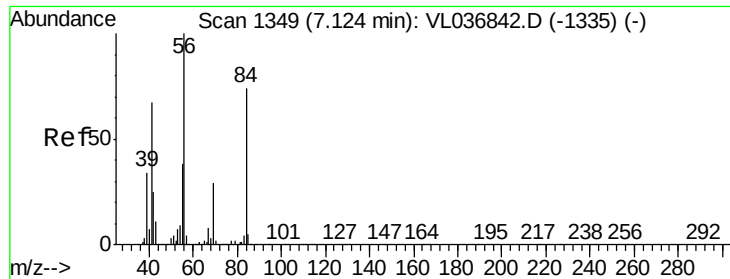
Reviewed By :Semsettin Yesilyurt 04/28/2021
Supervised By :Mahesh Dadoda 04/29/2021



#26
Hexane
Concen: 4.812 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 57 Resp: 706072
Ion Ratio Lower Upper
57 100
41 100.2 77.7 116.5
43 77.9 180.5 270.7#
56 57.2 44.6 66.8



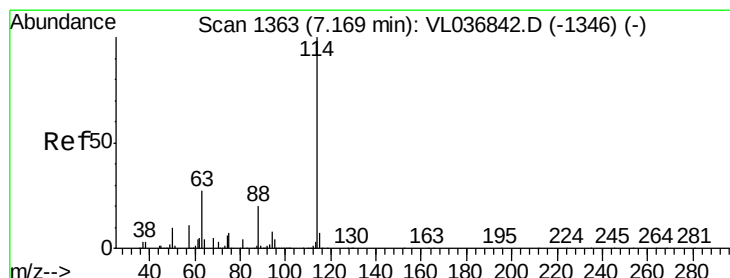
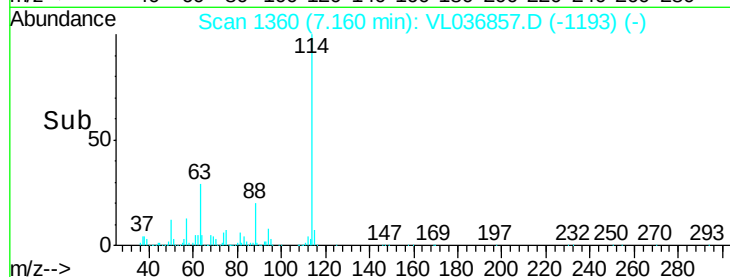
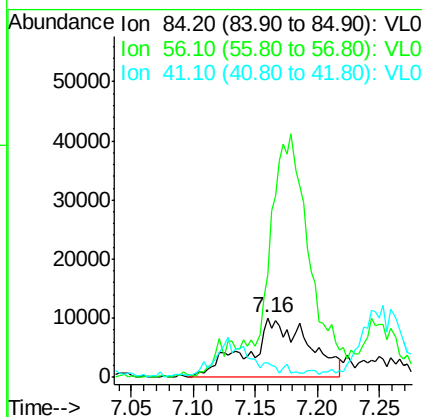
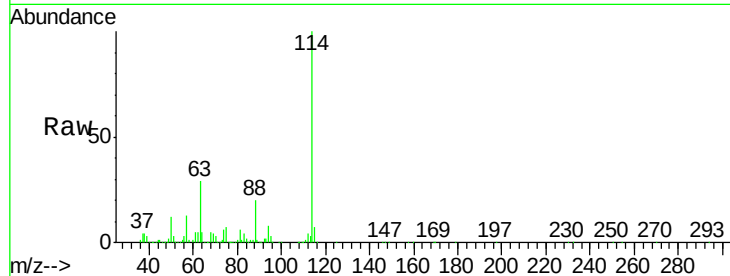


#30
Cvclohexane
Concen: 0.294 ppbv m
RT: 7.16
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 14:34

Tot Ion:
Ion Ratio
84 100
56 0.
41 46.

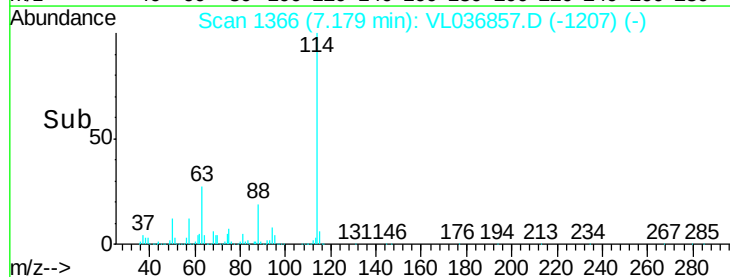
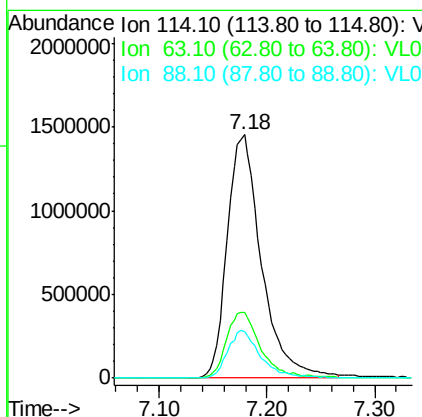
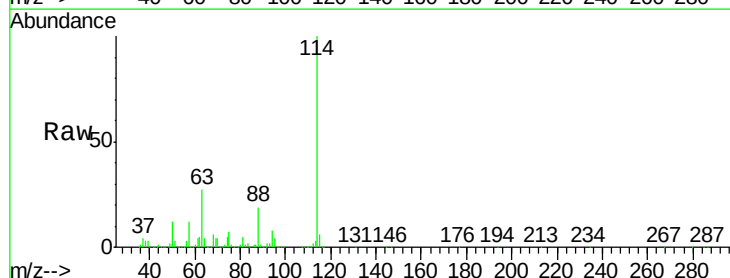
Manual Integrations
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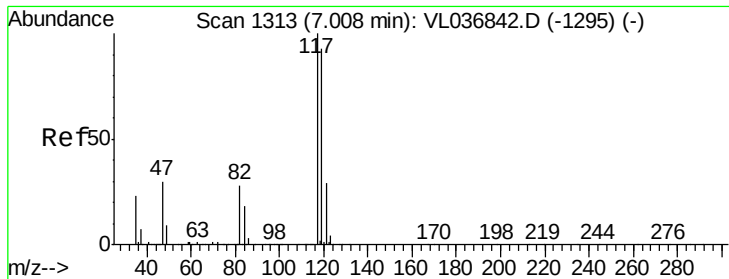
Reviewed By :Semsettin Yesilyurt 04/28/2021
Supervised By :Mahesh Dadoda 04/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion:114 Resp: 3225194
Ion Ratio Lower Upper
114 100
63 27.5 21.9 32.9
88 19.1 15.1 22.7



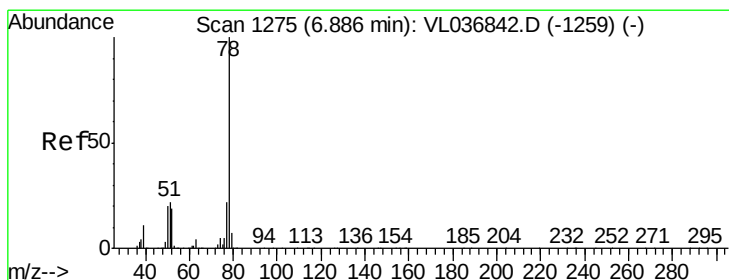
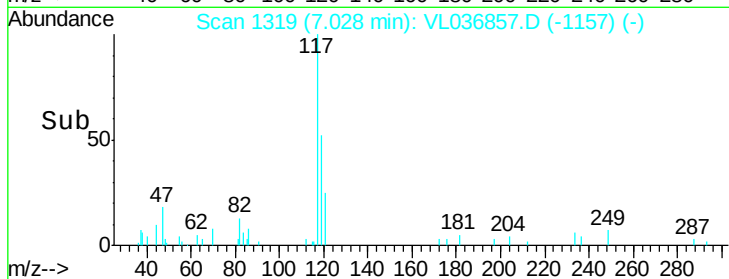
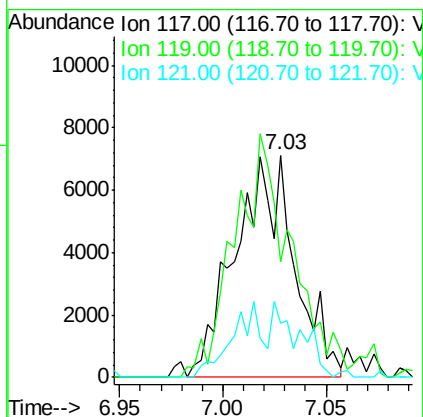
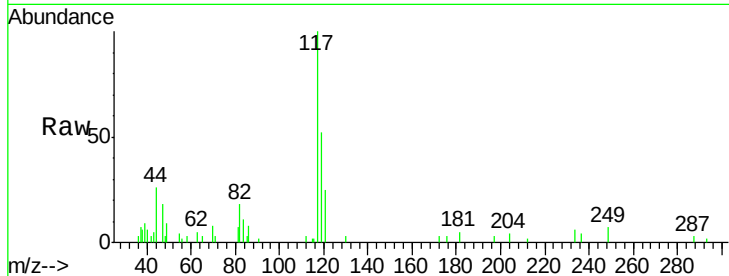


#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 14:34

Tot Ion:1
Ion Rati
117 100
119 51.
121 24.

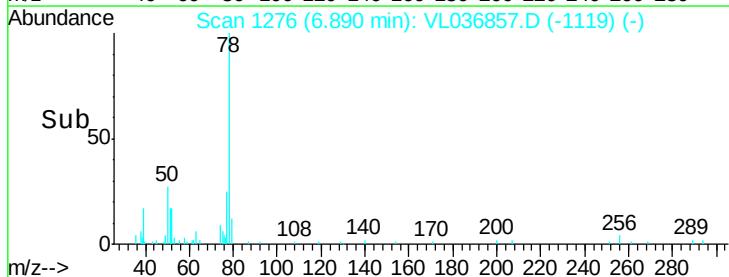
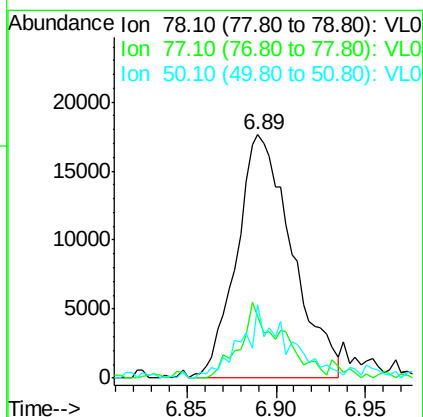
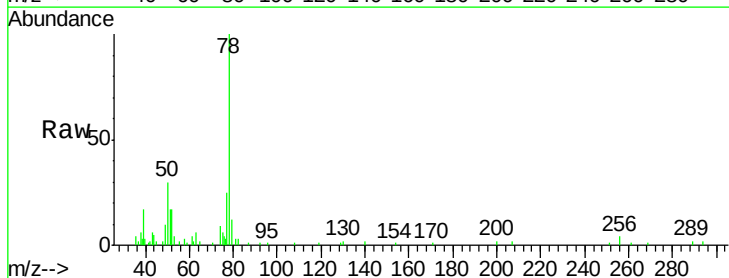
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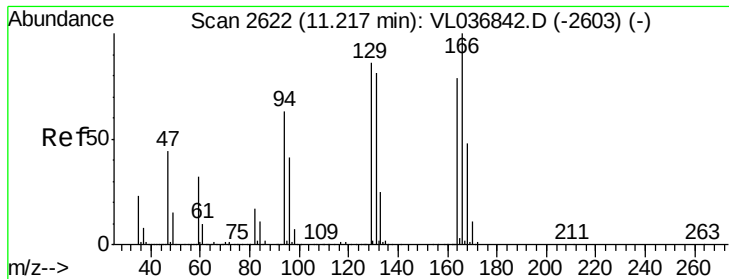
Reviewed By :Semsettin Yesilyurt 04/28/2021
Supervised By :Mahesh Dadoda 04/29/2021



#36
Benzene
Concen: 0.140 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 78 Resp: 38163
Ion Ratio Lower Upper
78 100
77 25.2 17.6 26.4
50 30.0 16.3 24.5#





#52

Tetrachloroethene

Concen: 0.054 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 14:34

Tot Ion:1

Ion Ratio

164 100

166 73.

129 62.

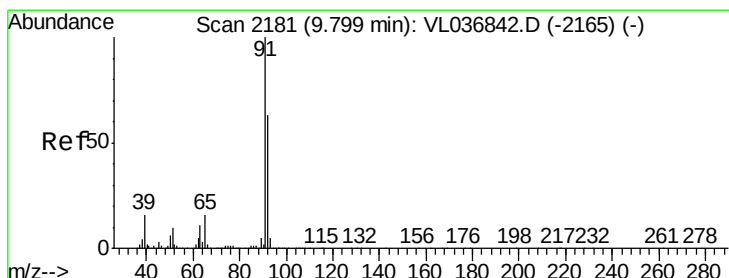
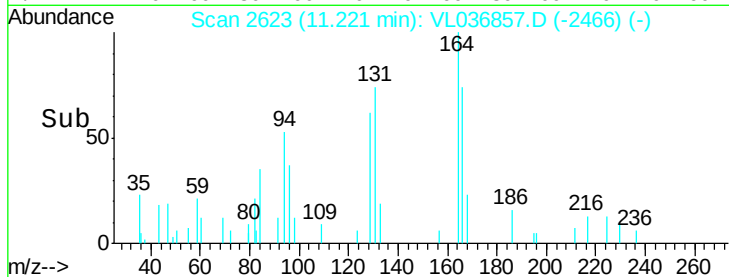
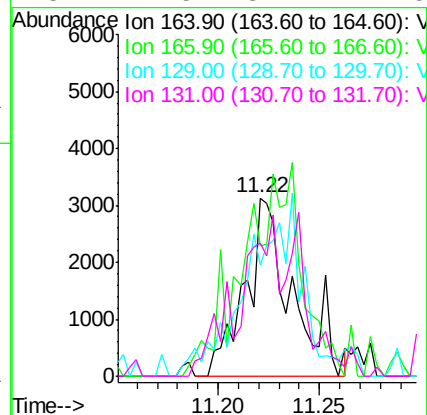
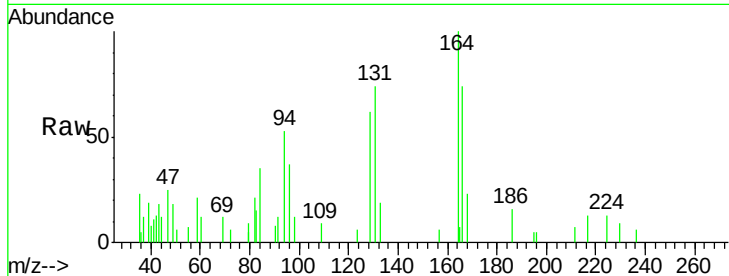
131 74.5 81.7 122.5#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#53

Toluene

Concen: 0.574 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.01 min

Lab File: VL036857.D

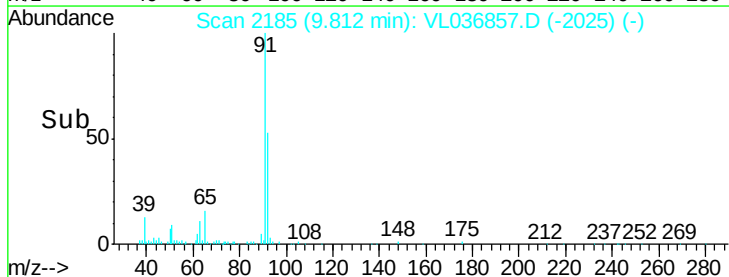
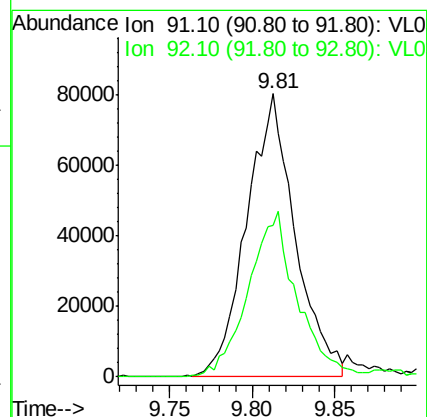
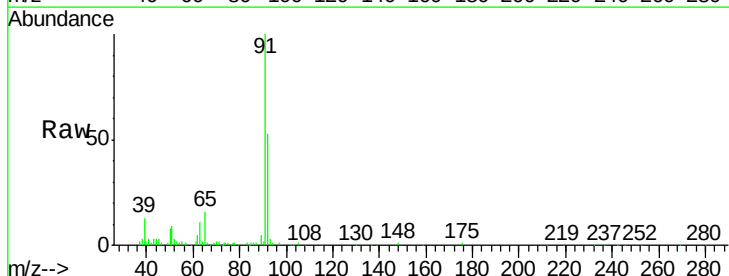
Acq: 27 Apr 2021 14:34

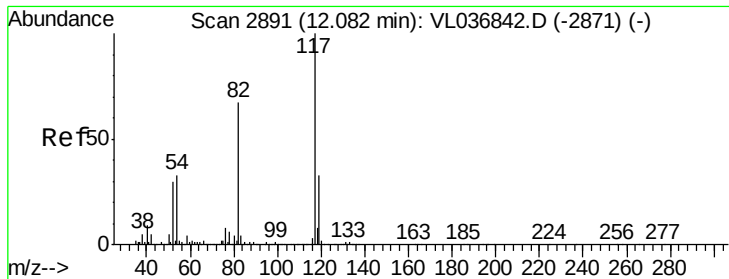
Tgt Ion: 91 Resp: 163281

Ion Ratio Lower Upper

91 100

92 58.9 49.0 73.4



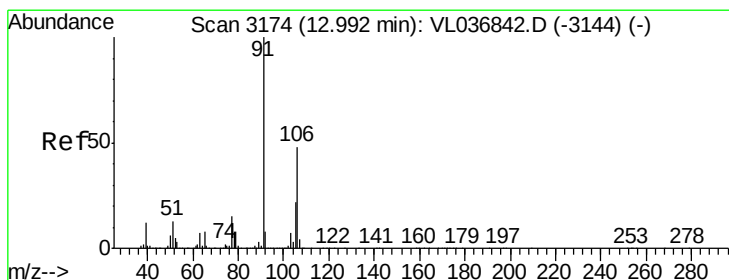
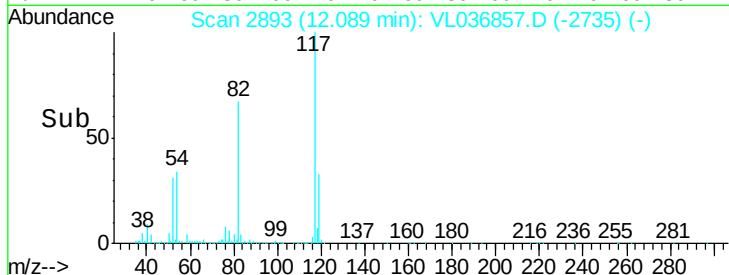
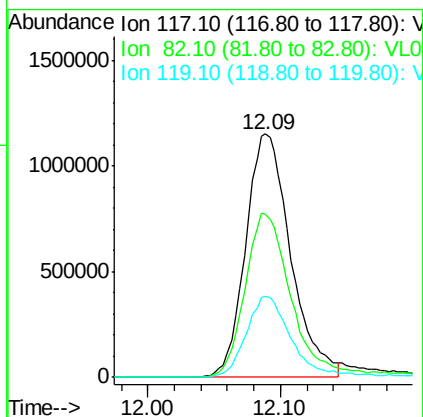
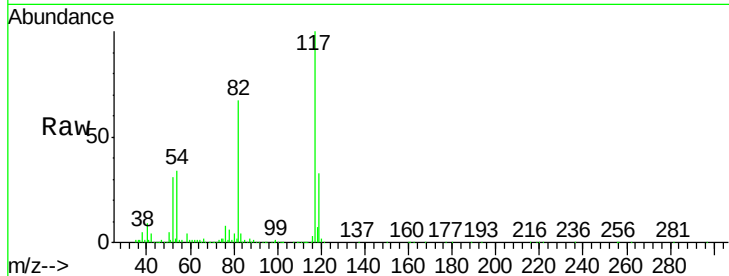


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 14:34

Tot Ion: 1
Ion Ratio
117 100
82 72.
119 34.

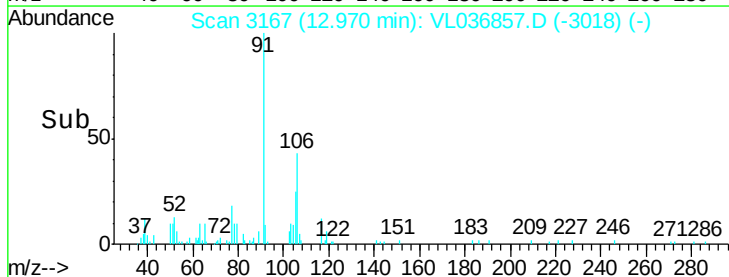
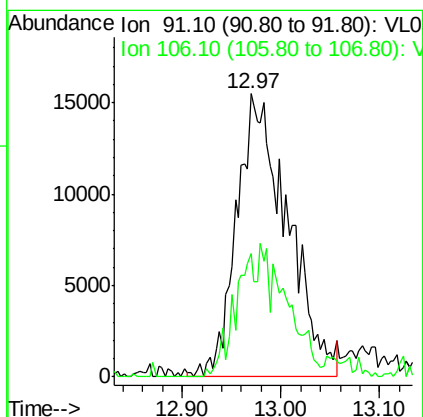
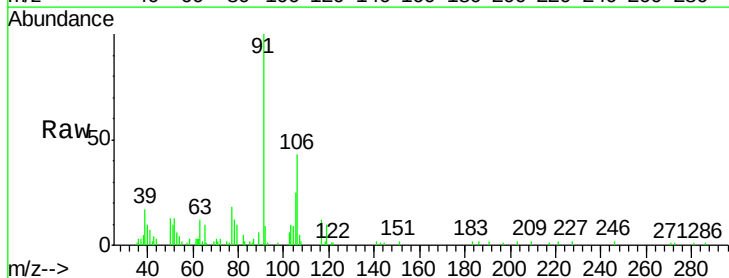
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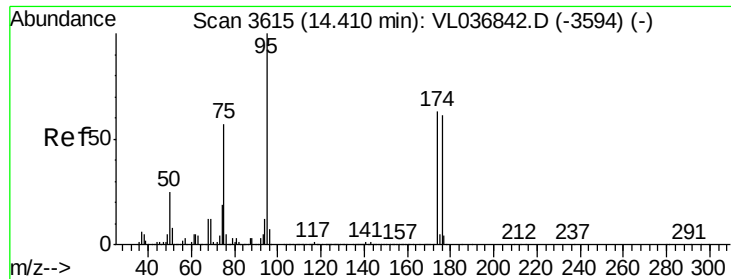
Reviewed By : Semsettin Yesilyurt 04/28/2021
Supervised By : Mahesh Dadoda 04/29/2021



#59
m/p-Xylene
Concen: 0.180 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T.: -0.02 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 91 Resp: 55273
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.390 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 14.34

Tot Ion:

Ion Ratio

95 100

174 65.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021

