

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036838.D
 Acq On : 21 Apr 2021 1:34
 Operator : SY/AP
 Sample : M2096-05 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/21/2021
 Supervised By : Mahesh Dadoda 04/21/2021

Quant Time: Apr 21 12:12:43 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	5.68	49	1161848	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2963663	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2589951	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2020366	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	25390m	0.134	ppbv	
9) Propene	3.02	41	48721m	0.704	ppbv	
10) Heptane	8.13	43	20966m	0.119	ppbv	
13) Ethanol	3.61	45	1539455	186.806	ppbv	94
15) Acetone	3.86	43	778272	6.806	ppbv	96
19) Isopropyl Alcohol	3.99	45	66830m	1.062	ppbv	
20) Methylene Chloride	4.35	84	21543m	0.402	ppbv	
26) Hexane	5.70	57	162089m	1.285	ppbv	
29) Chloroform	5.76	83	2358212	11.688	ppbv	100
34) 2-Butanone	5.27	43	65208m	0.451	ppbv	
38) Trichloroethene	7.85	130	8444m	0.079	ppbv	
42) Bromodichloromethane	7.80	83	312674	1.429	ppbv	99
48) Dibromochloromethane	10.32	129	20594m	0.120	ppbv	
52) Tetrachloroethene	11.23	164	5318m	0.053	ppbv	
53) Toluene	9.83	91	170470	0.586	ppbv	100
58) Ethyl Benzene	12.73	91	72489m	0.192	ppbv	
59) m/p-Xylene	12.99	91	248179m	0.755	ppbv	
60) o-Xylene	13.71	91	100228	0.315	ppbv	95
72) 4-Ethyltoluene	15.86	105	53263m	0.153	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	149530	0.430	ppbv #	65

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

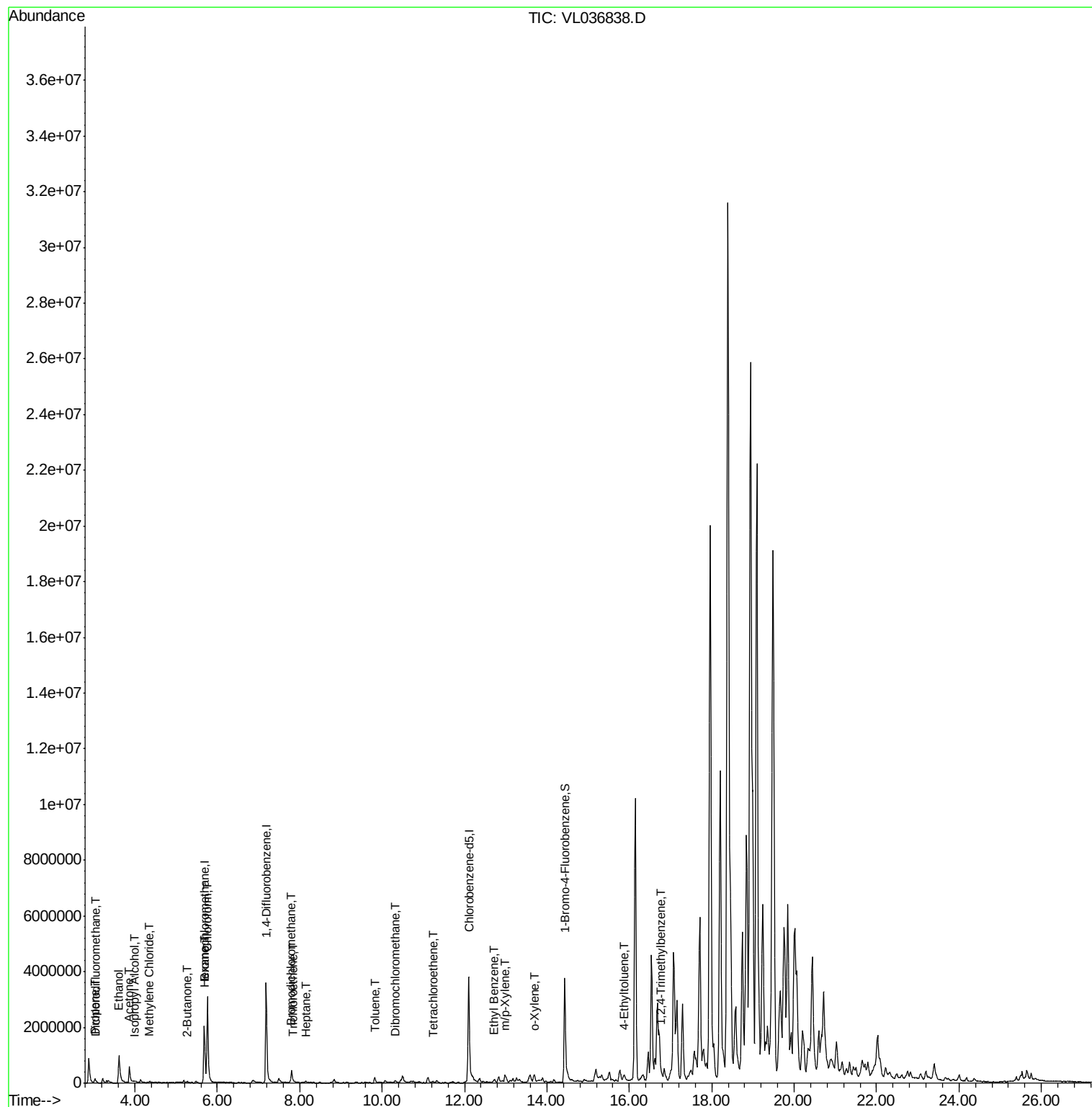
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042021\
Data File : VL036838.D
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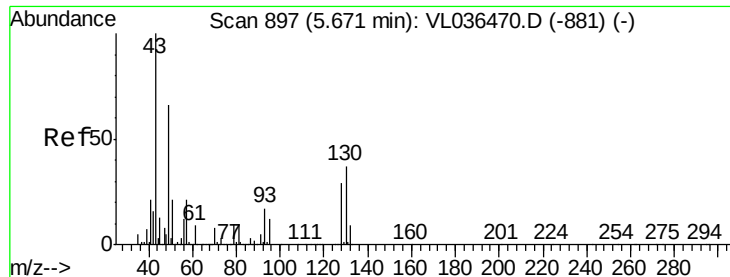
Instrument :
MSVOA_L
ClientSampleId :
SV2

Manual Integrations
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Quant Time: Apr 21 12:12:43 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
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Supervised By :Mahesh Dadoda 04/21/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Apr 2021 1:34

Tot Ion:

Ion Ratio

49 100

128 47.

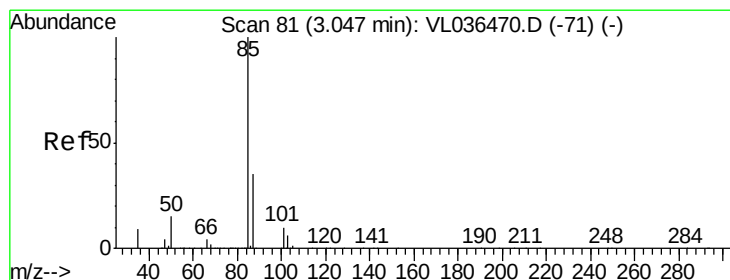
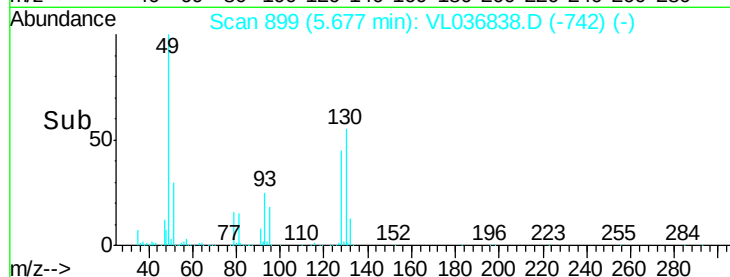
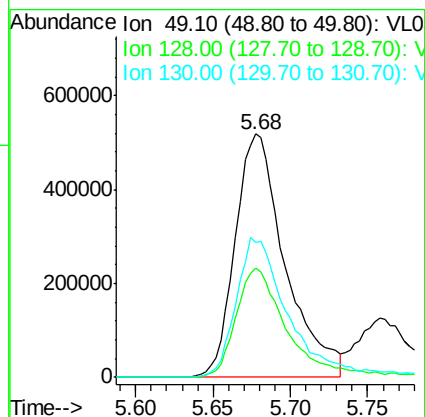
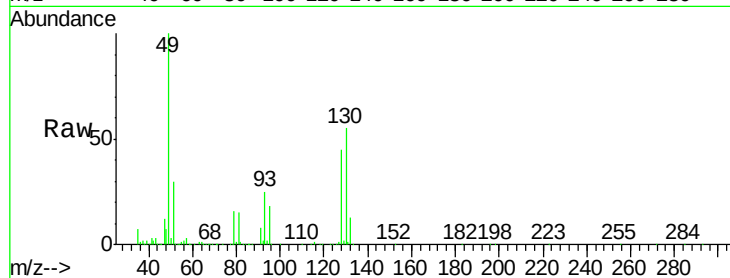
130 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#2

Dichlorodifluoromethane

Concen: 0.134 ppbv m

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036838.D

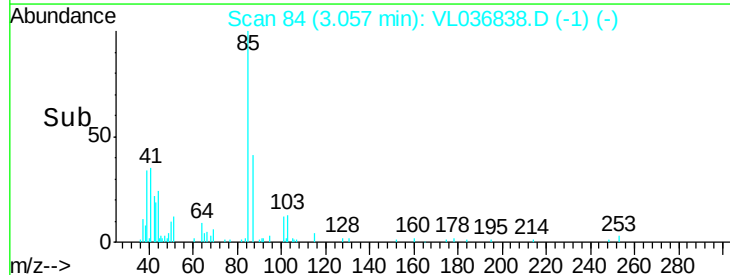
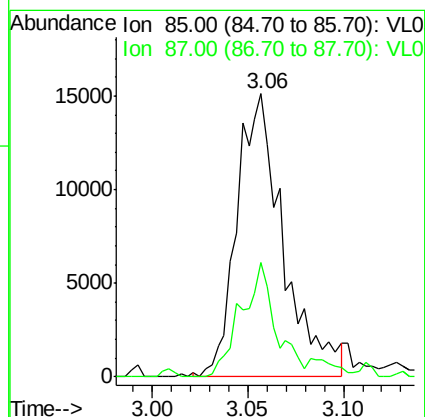
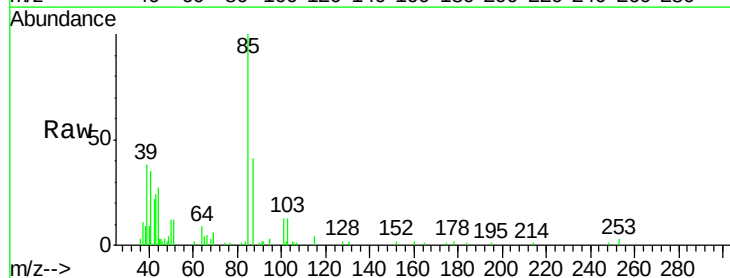
Acq: 21 Apr 2021 1:34

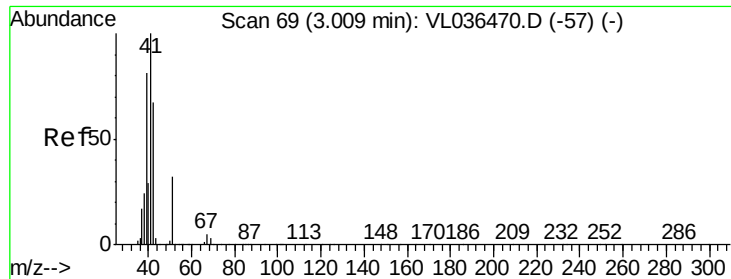
Tgt Ion: 85 Resp: 25390

Ion Ratio Lower Upper

85 100

87 40.5 27.8 41.8





#9

Propene

Concen: 0.704 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Apr 2021 1:34 SV2

Tot Ion:

Ion Ratio

41 100

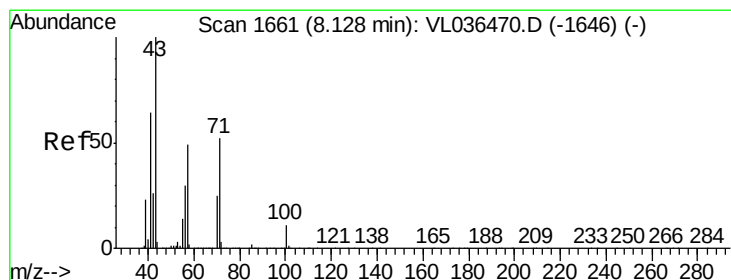
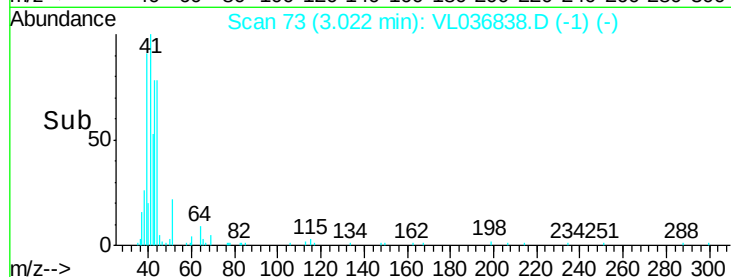
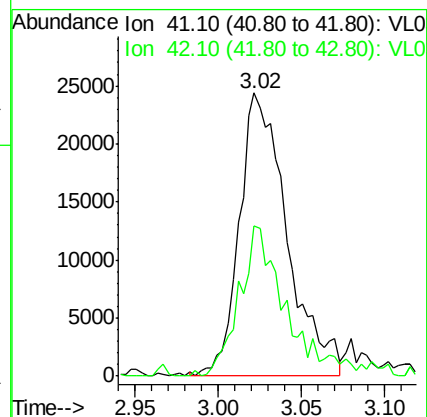
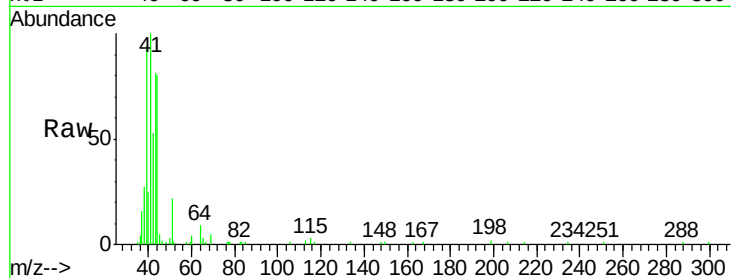
42 22.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#10

Heptane

Concen: 0.119 ppbv m

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL036838.D

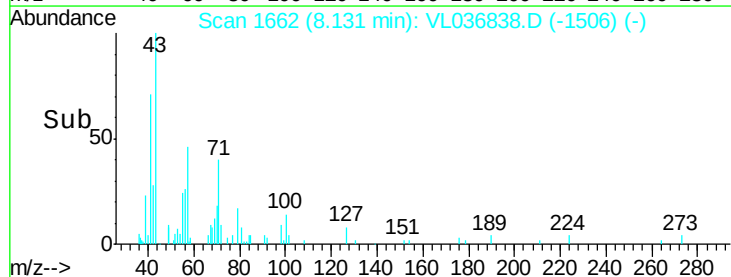
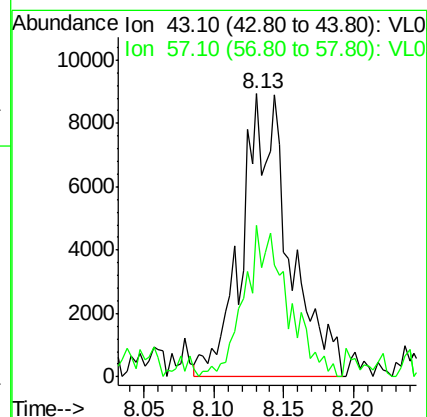
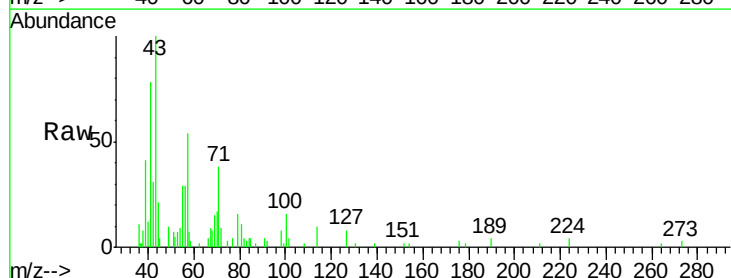
Acq: 21 Apr 2021 1:34

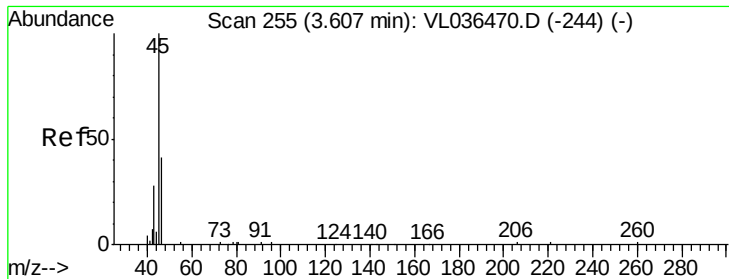
Tgt Ion: 43 Resp: 20966

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6



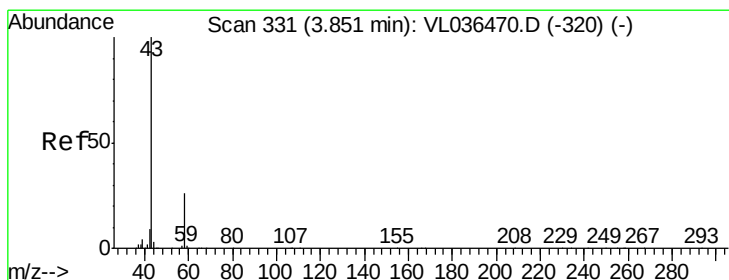
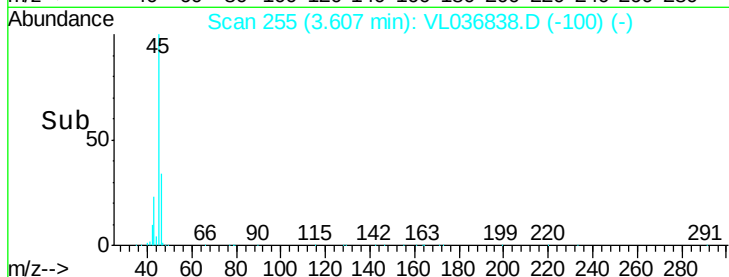
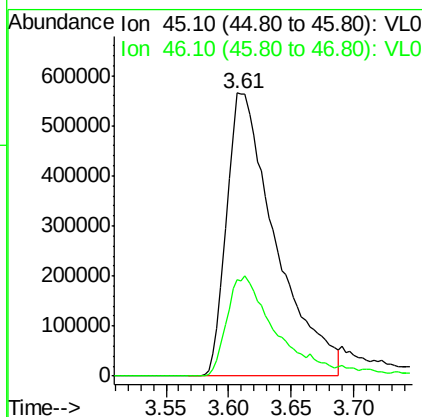
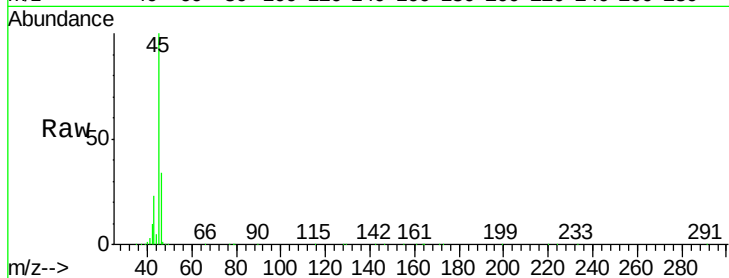


#13
Ethanol
Concen: 186.806 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Apr 2021 1:34

Tot Ion:
Ion Ratio
45 100
46 37.

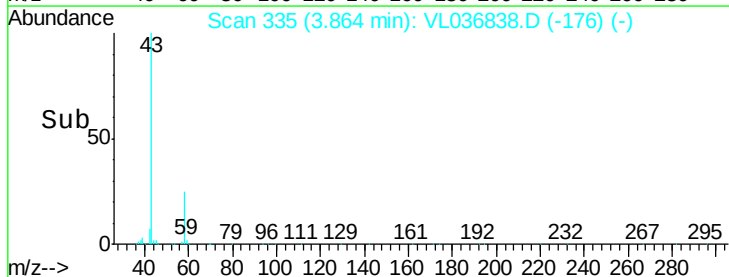
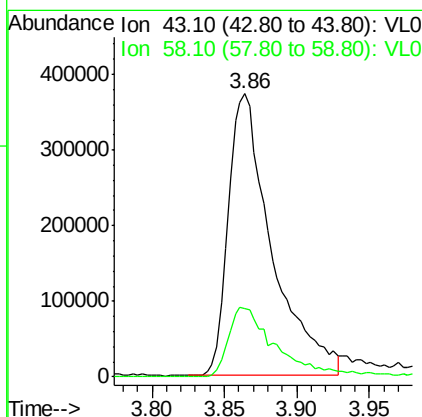
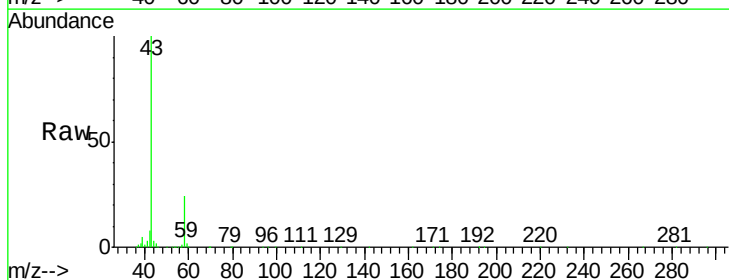
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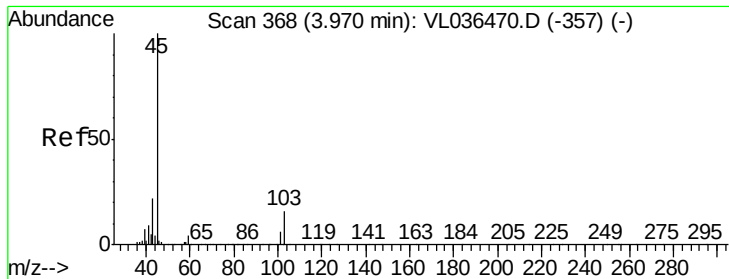
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#15
Acetone
Concen: 6.806 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL036838.D
Acq: 21 Apr 2021 1:34

Tgt Ion: 43 Resp: 778272
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8





#19

Isopropyl Alcohol

Concen: 1.062 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Apr 2021 1:34 SV2

Tot Ion:

Ion Ratio

45 100

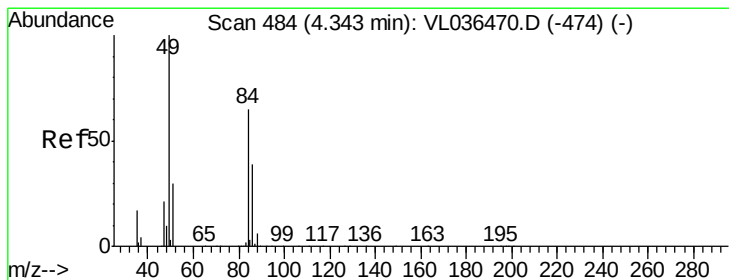
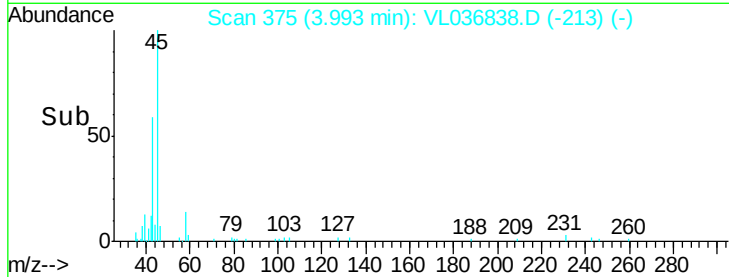
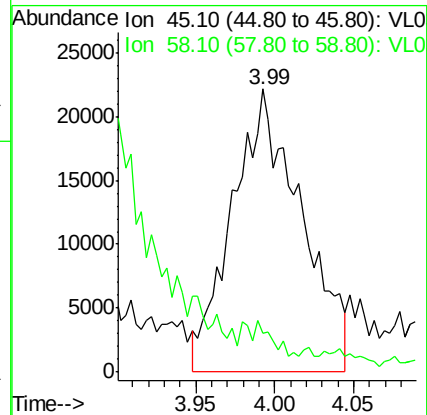
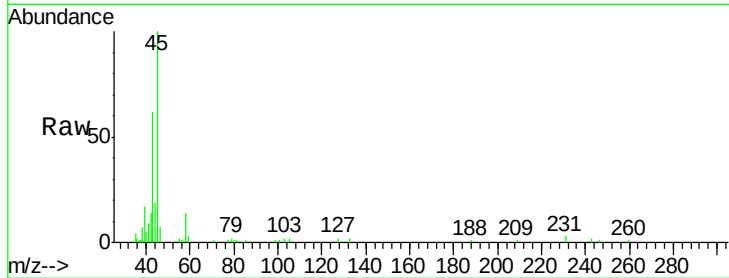
58 10.

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Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#20

Methylene Chloride

Concen: 0.402 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036838.D

Acq: 21 Apr 2021 1:34

Tgt Ion: 84 Resp: 21543

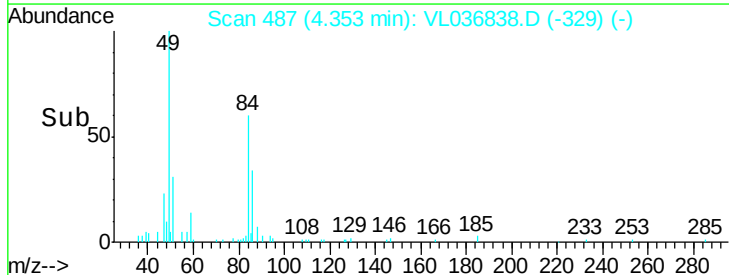
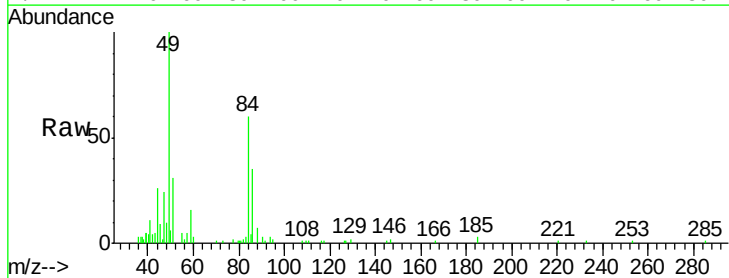
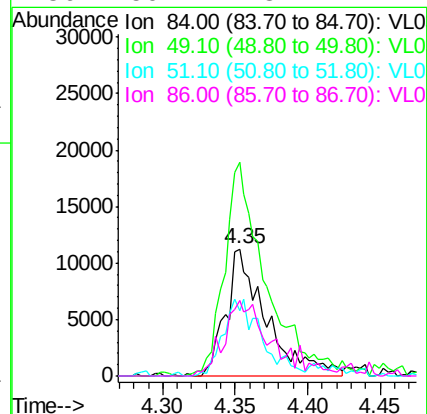
Ion Ratio Lower Upper

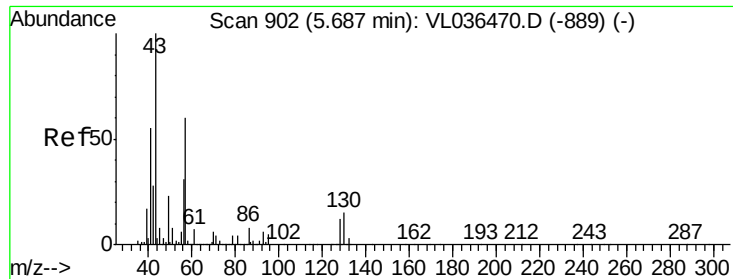
84 100

49 168.1 122.9 184.3

51 51.6 36.9 55.3

86 59.2 48.2 72.4



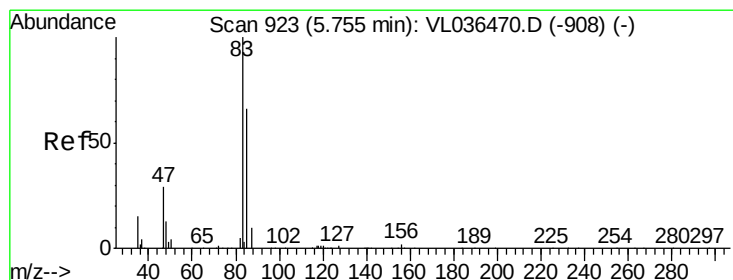
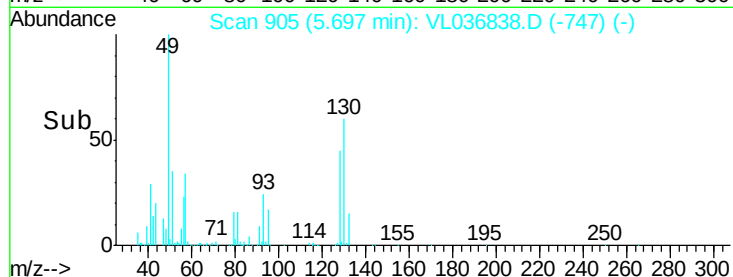
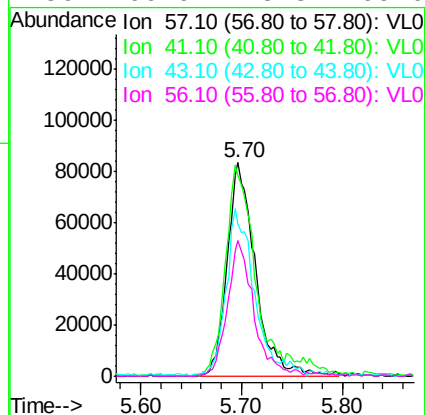
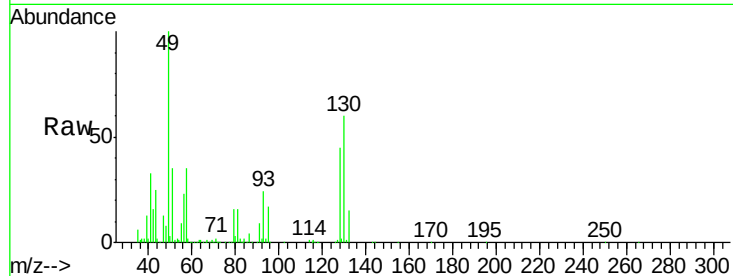


#26
Hexane
Concen: 1.285 ppbv m
RT: 5.70
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Apr 2021 1:34

Tot Ion:
Ion Ratio
57 100
41 102.
43 79.
56 60.9 43.8 65.6

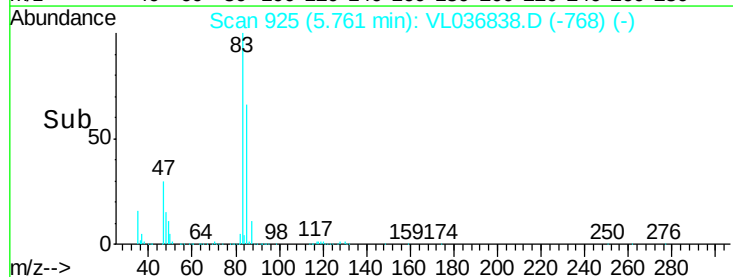
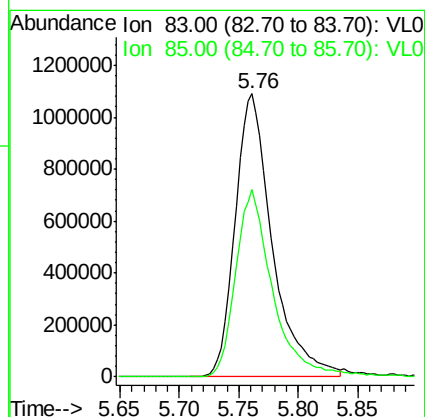
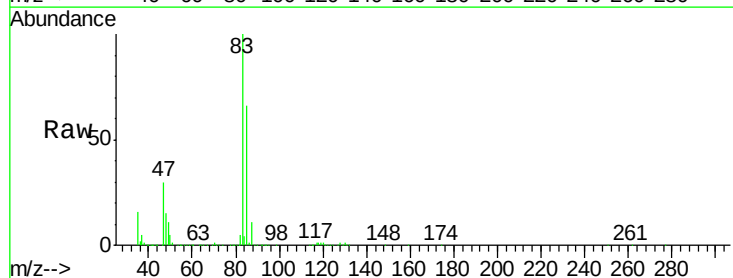
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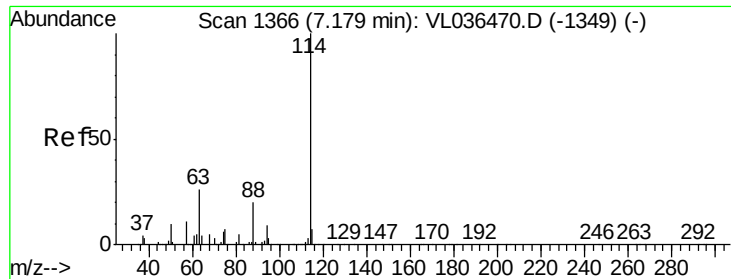
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#29
Chloroform
Concen: 11.688 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036838.D
Acq: 21 Apr 2021 1:34

Tgt Ion: 83 Resp: 2358212
Ion Ratio Lower Upper
83 100
85 66.1 52.6 78.8



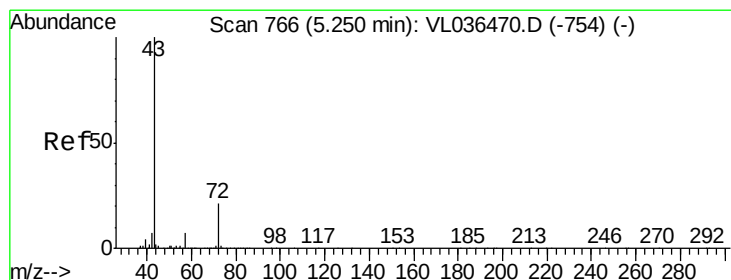
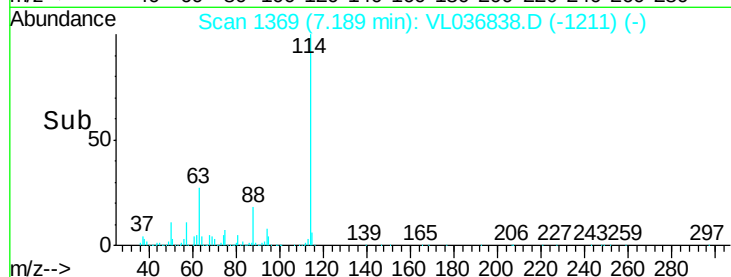
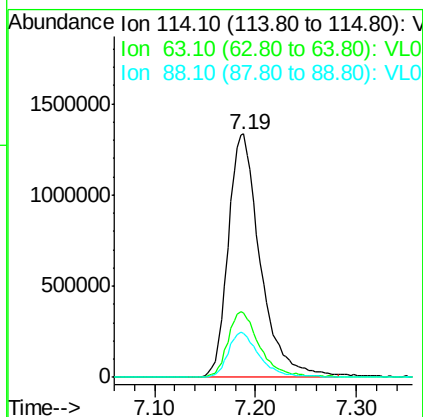
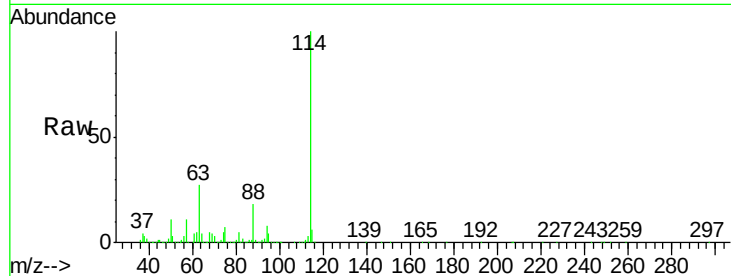


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Apr 2021 1:34

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 18.

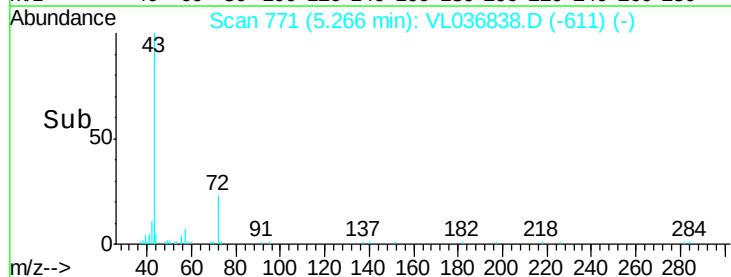
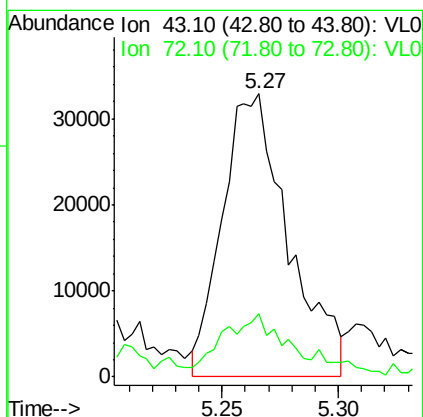
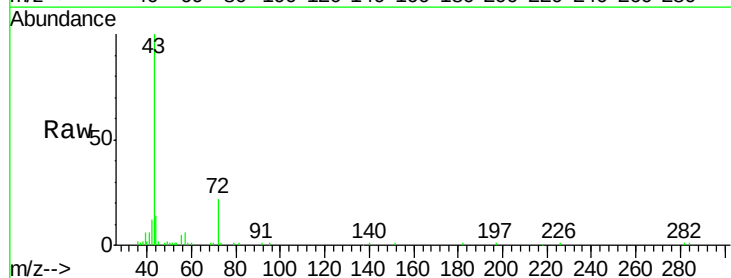
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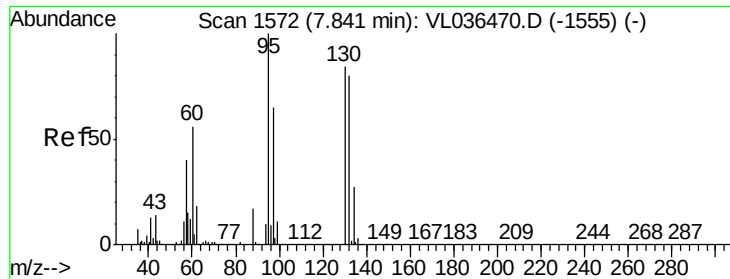
Reviewed By :Semsettin Yesilyurt 04/21/2021
 Supervised By :Mahesh Dadoda 04/21/2021



#34
 2-Butanone
 Concen: 0.451 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: VL036838.D
 Acq: 21 Apr 2021 1:34

Tgt Ion: 43 Resp: 65208
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.0 25.6#



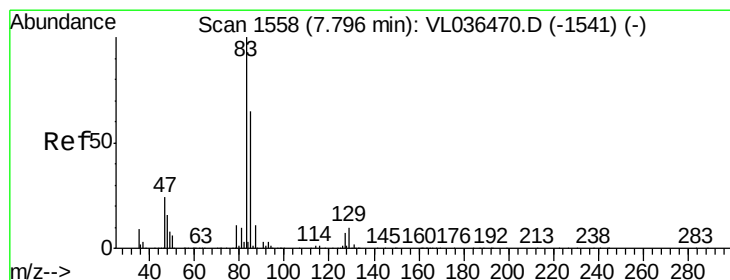
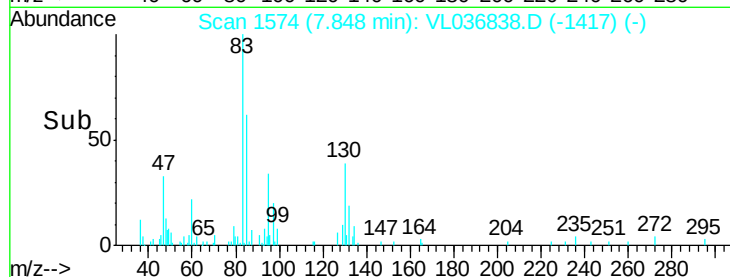
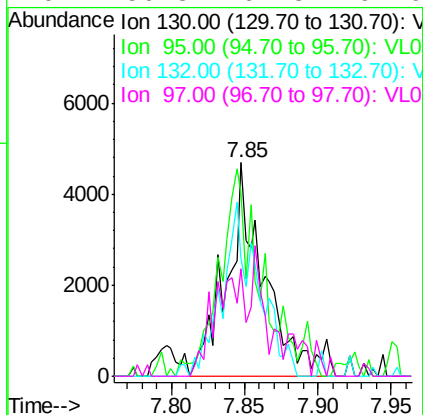
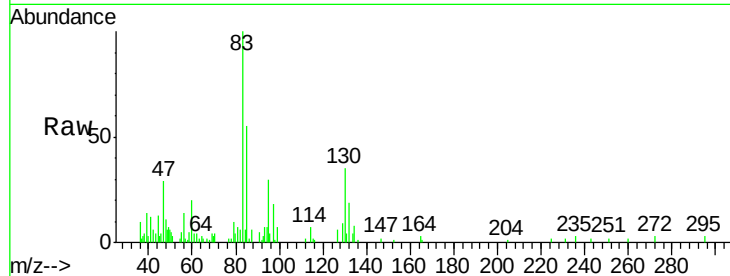


#38
 Trichloroethene
 Concen: 0.079 ppbv m
 RT: 7.85
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 21 Apr 2021 1:34

Tot Ion: 1
 Ion Ratio
 130 100
 95 85.
 132 54.
 97 50.3 61.8 92.6#

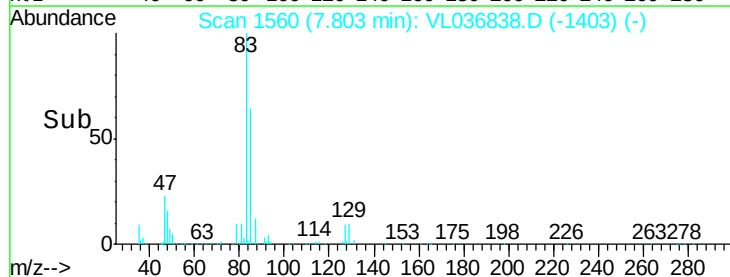
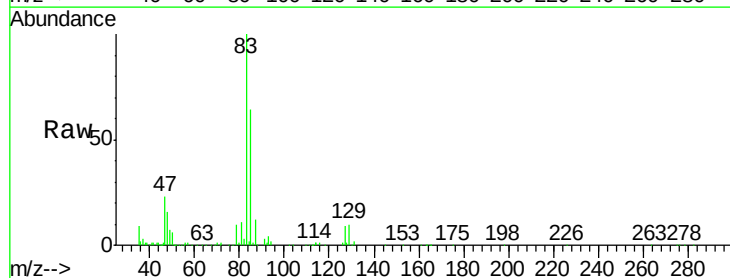
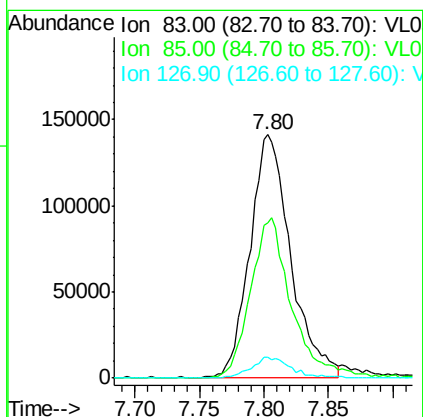
Manual Integrations
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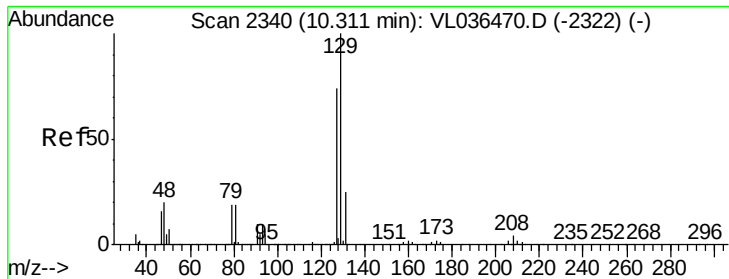
Reviewed By : Semsettin Yesilyurt 04/21/2021
 Supervised By : Mahesh Dadoda 04/21/2021



#42
 Bromodichloromethane
 Concen: 1.429 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: VL036838.D
 Acq: 21 Apr 2021 1:34

Tgt Ion: 83 Resp: 312674
 Ion Ratio Lower Upper
 83 100
 85 63.8 51.8 77.6
 127 8.7 5.8 8.8



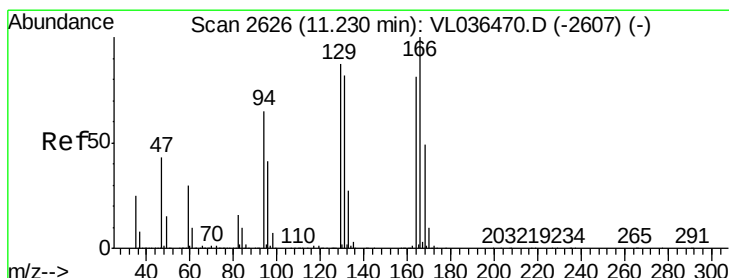
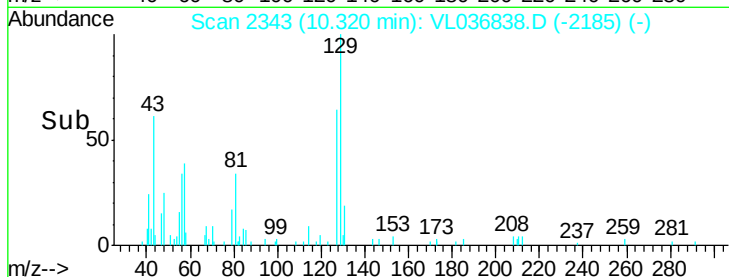
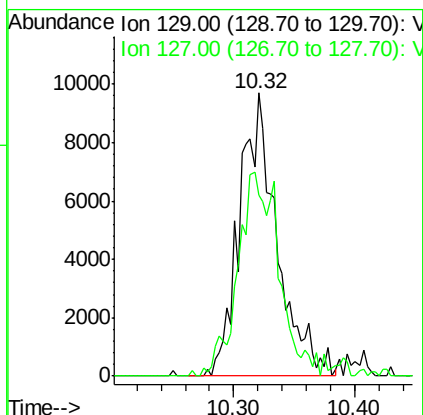
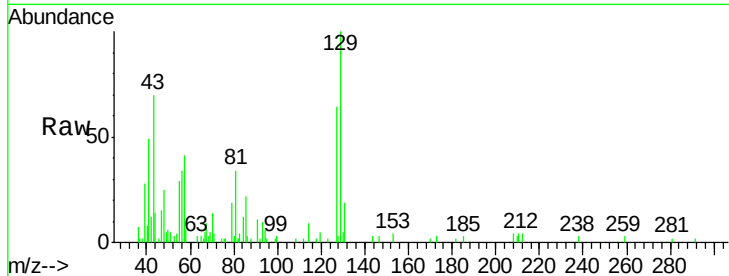


#48
 Dibromochloromethane
 Concen: 0.120 ppbv m
 RT: 10.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Apr 2021 1:34

Tot Ion:1
 Ion Rati
 129 100
 127 78.

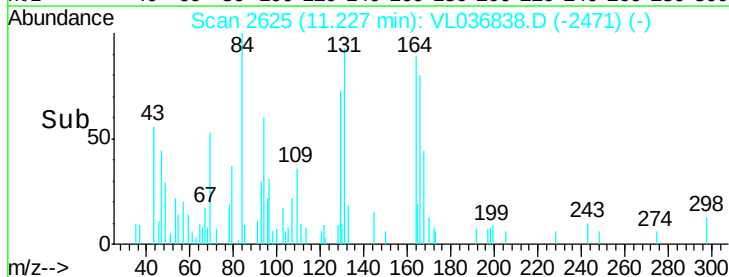
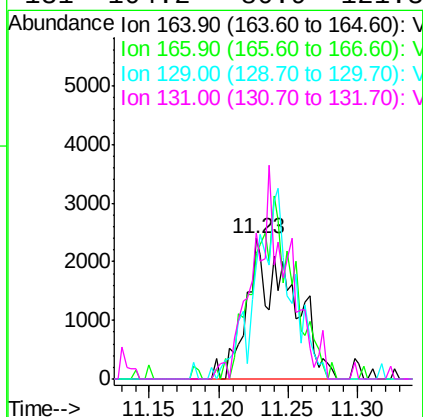
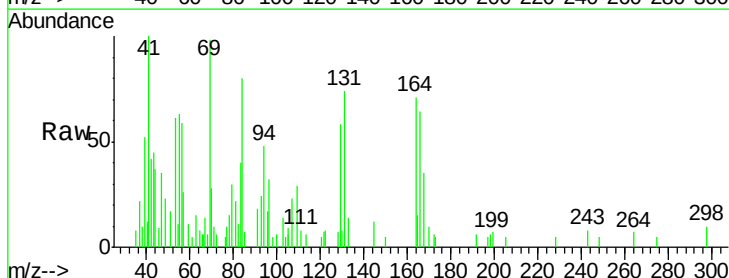
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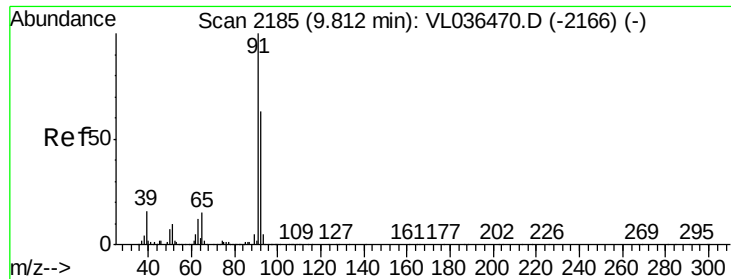
Reviewed By :Semsettin Yesilyurt 04/21/2021
 Supervised By :Mahesh Dadoda 04/21/2021



#52
 Tetrachloroethene
 Concen: 0.053 ppbv m
 RT: 11.23 min Scan# 2625
 Delta R.T. -0.00 min
 Lab File: VL036838.D
 Acq: 21 Apr 2021 1:34

Tgt Ion:164 Resp: 5318
 Ion Ratio Lower Upper
 164 100
 166 89.1 98.3 147.5#
 129 81.6 85.8 128.8#
 131 104.2 80.9 121.3





#53

Toluene

Concen: 0.586 ppbv

RT: 9.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Apr 2021 1:34 SV2

Tot Ion:

Ion Ratio

91 100

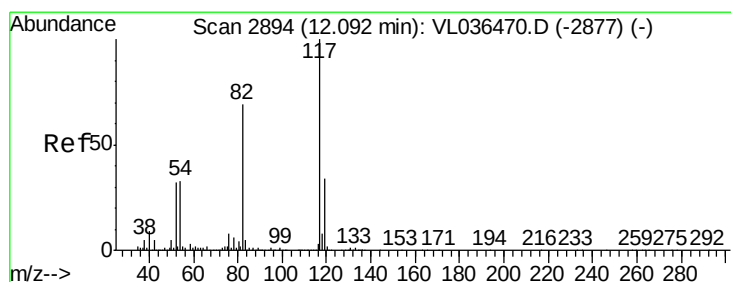
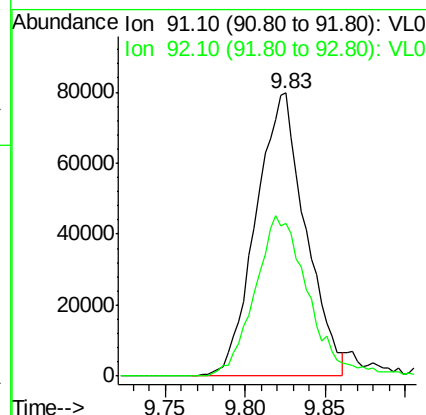
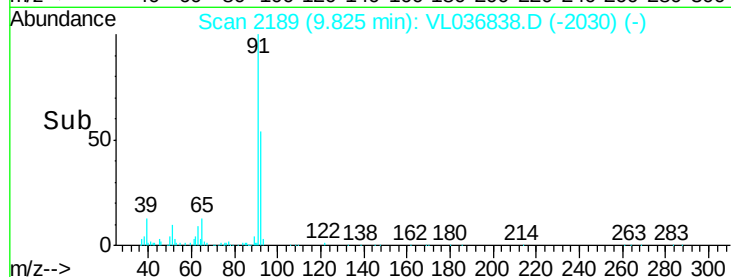
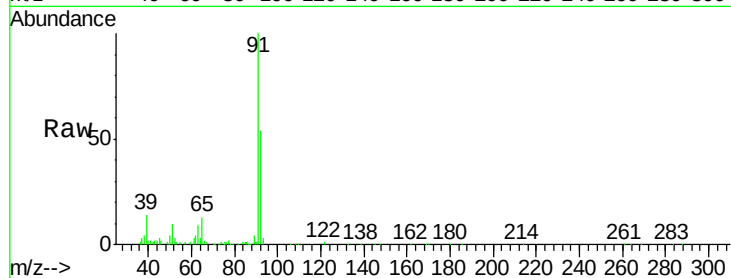
92 61.

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Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL036838.D

Acq: 21 Apr 2021 1:34

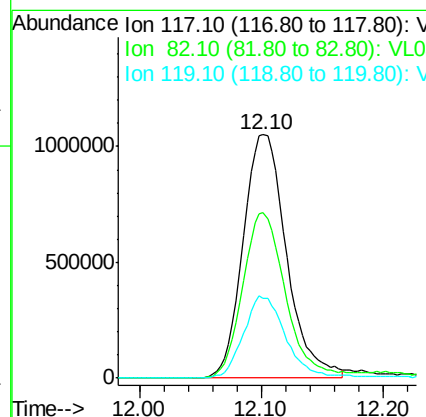
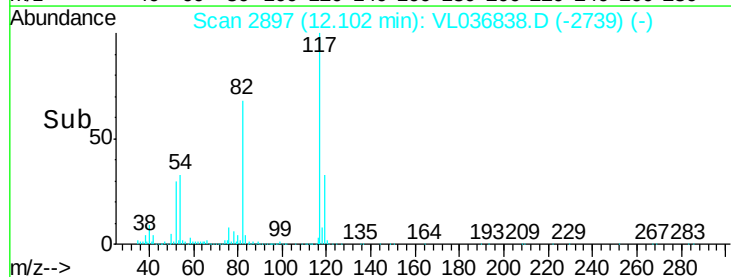
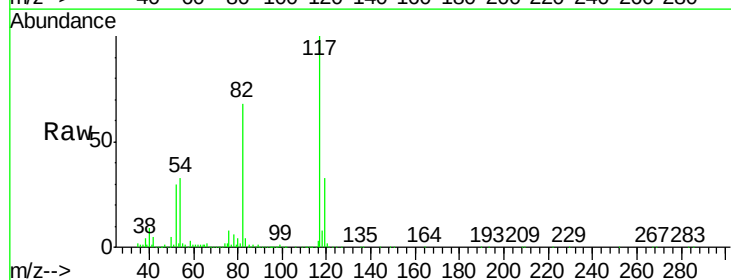
Tgt Ion:117 Resp: 2589951

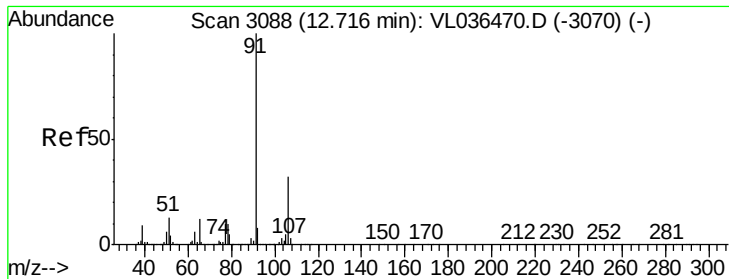
Ion Ratio Lower Upper

117 100

82 71.1 57.4 86.0

119 34.0 47.4 71.0#



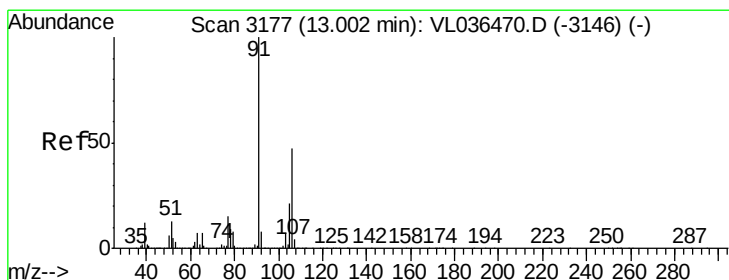
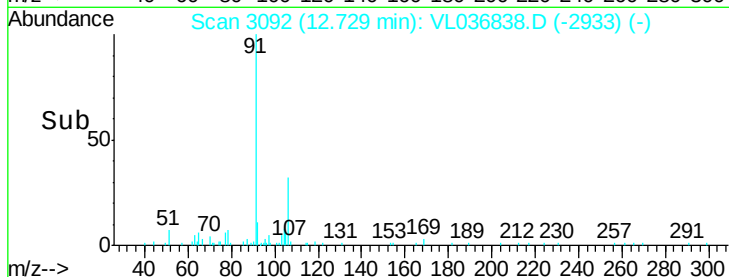
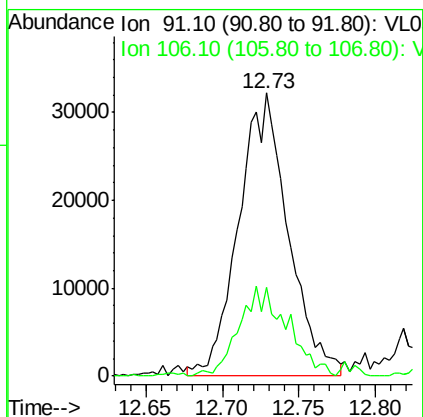
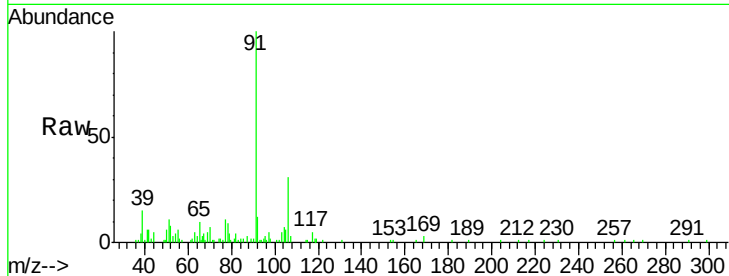


#58
Ethyl Benzene
Concen: 0.192 ppbv m
RT: 12.73
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 21 Apr 2021 1:34

Tot Ion:
Ion Ratio
91 100
106 31.

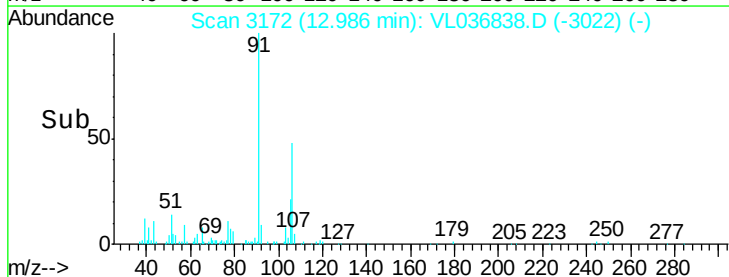
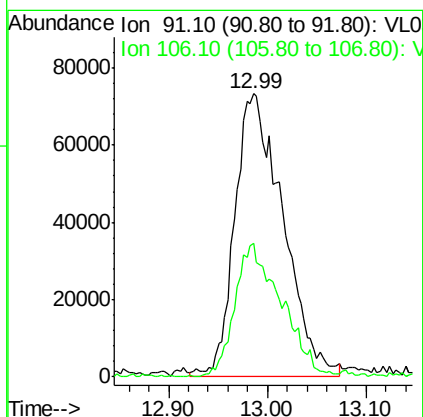
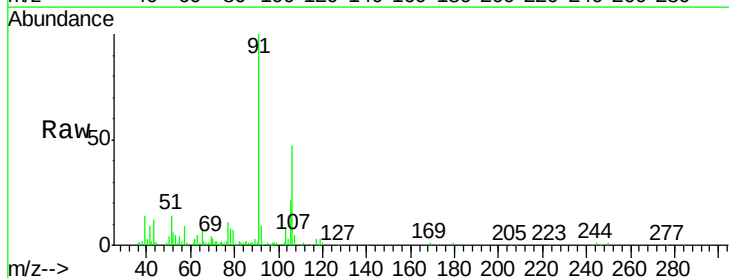
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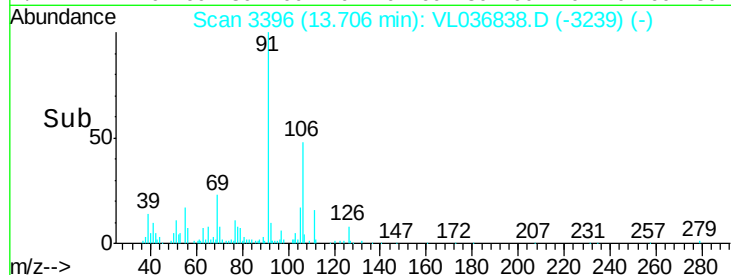
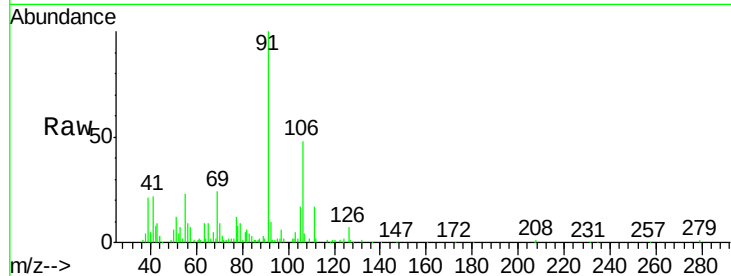
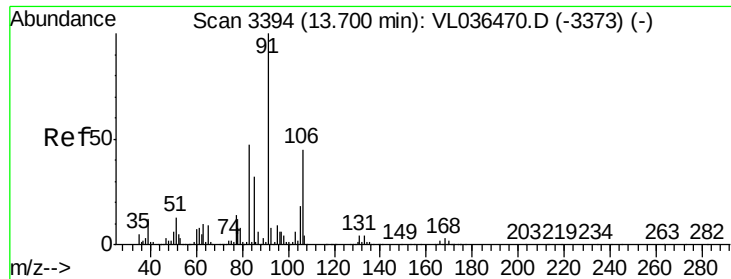
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#59
m/p-Xylene
Concen: 0.755 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036838.D
Acq: 21 Apr 2021 1:34

Tgt Ion: 91 Resp: 248179
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#



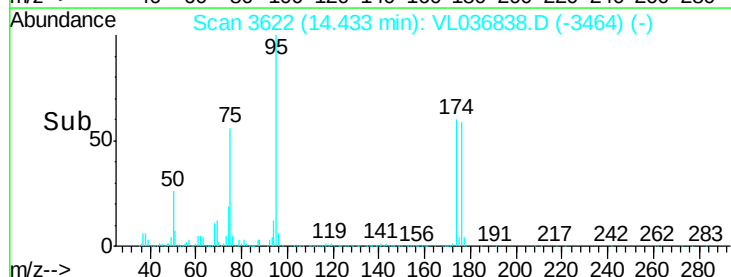
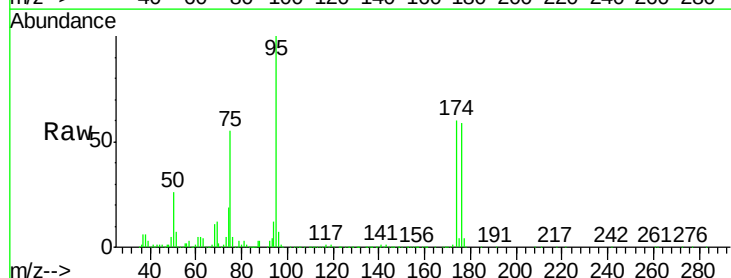
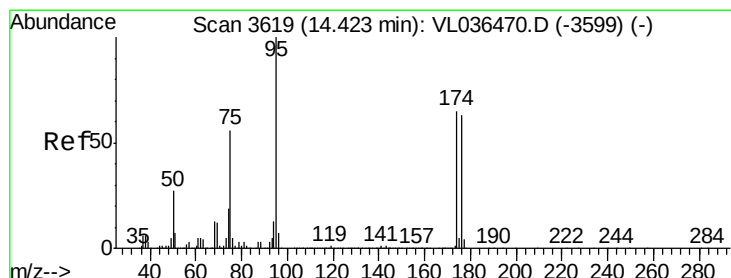
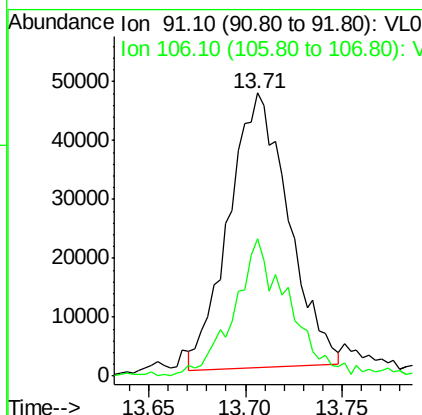


#60
o-Xylene
Concen: 0.315 ppbv
RT: 13.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Apr 2021 1:34

Tot Ion:
Ion Ratio
91 100
106 48.

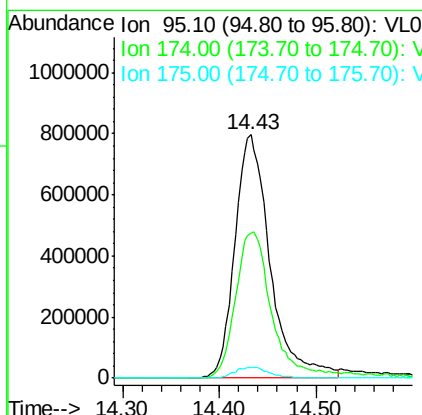
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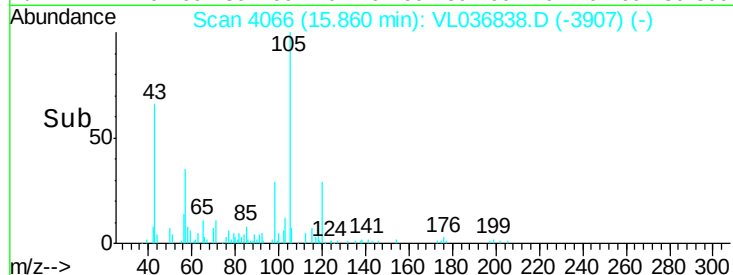
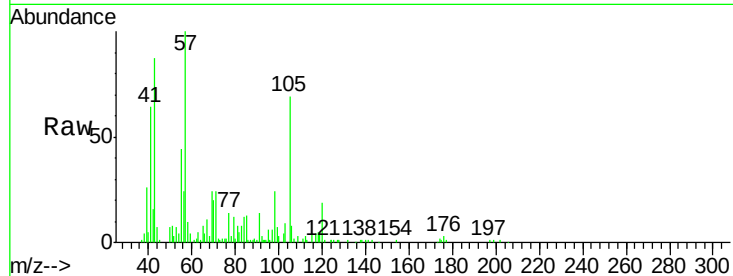
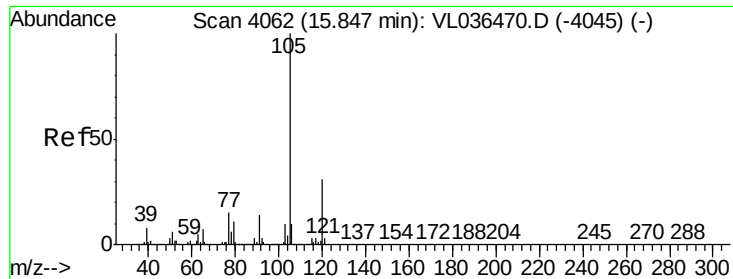
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.788 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.01 min
Lab File: VL036838.D
Acq: 21 Apr 2021 1:34

Tgt Ion: 95 Resp: 2020366
Ion Ratio Lower Upper
95 100
174 64.8 51.0 76.6
175 4.7 3.9 5.9



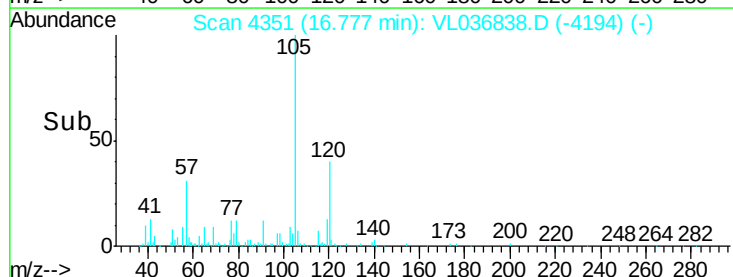
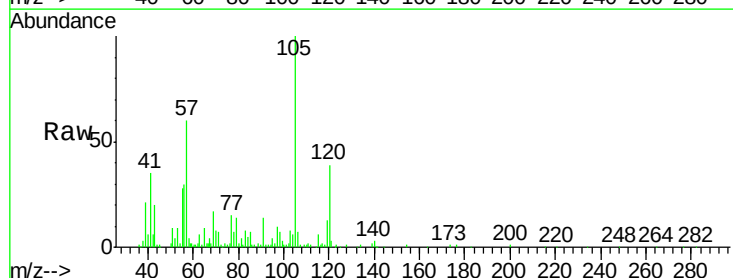
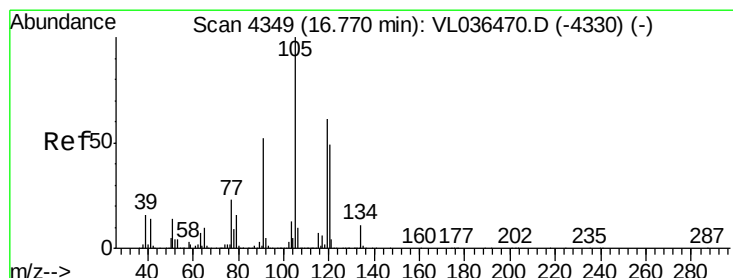
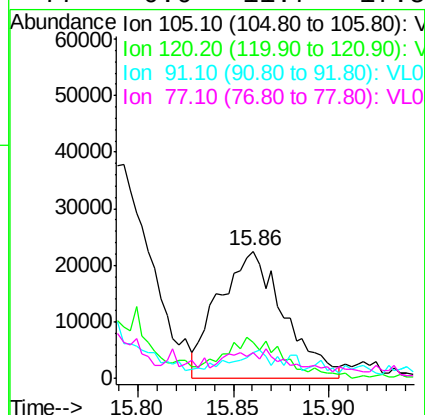


#72
4-Ethyltoluene
Concen: 0.153 ppbv m
RT: 15.86
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV2
Acq: 21 Apr 2021 1:34

Tot Ion:1
Ion Ratio
105 100
120 31.
91 0.
77 0.0 11.7 17.5#

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Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#74
1,2,4-Trimethylbenzene
Concen: 0.430 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.01 min
Lab File: VL036838.D
Acq: 21 Apr 2021 1:34

Tgt Ion:105 Resp: 149530
Ion Ratio Lower Upper
105 100
120 39.7 39.2 58.8
91 11.5 42.6 64.0#
77 11.0 18.6 28.0#

