

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036837.D
 Acq On : 21 Apr 2021 00:56
 Operator : SY/AP
 Sample : M2096-04 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Apr 21 12:10:21 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	5.67	49	1187901	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2891433	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2550329	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2026624	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	28489m	0.147	ppbv
9) Propene	3.02	41	68339m	0.966	ppbv
13) Ethanol	3.61	45	1536258	182.330	ppbv 97
15) Acetone	3.86	43	998502	8.540	ppbv 98
19) Isopropyl Alcohol	3.98	45	49158m	0.764	ppbv
20) Methylene Chloride	4.35	84	231157	4.223	ppbv 92
26) Hexane	5.70	57	275510	2.136	ppbv # 45
27) Carbon Disulfide	4.56	76	27722	0.218	ppbv # 93
34) 2-Butanone	5.27	43	54759	0.388	ppbv # 90
36) Benzene	6.90	78	26990m	0.101	ppbv
38) Trichloroethene	7.84	130	19166m	0.185	ppbv
52) Tetrachloroethene	11.24	164	4686m	0.048	ppbv
53) Toluene	9.83	91	91854	0.323	ppbv 100
58) Ethyl Benzene	12.73	91	43297m	0.117	ppbv
59) m/p-Xylene	12.99	91	151110m	0.467	ppbv
60) o-Xylene	13.71	91	66307m	0.212	ppbv
74) 1,2,4-Trimethylbenzene	16.78	105	109824m	0.321	ppbv

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

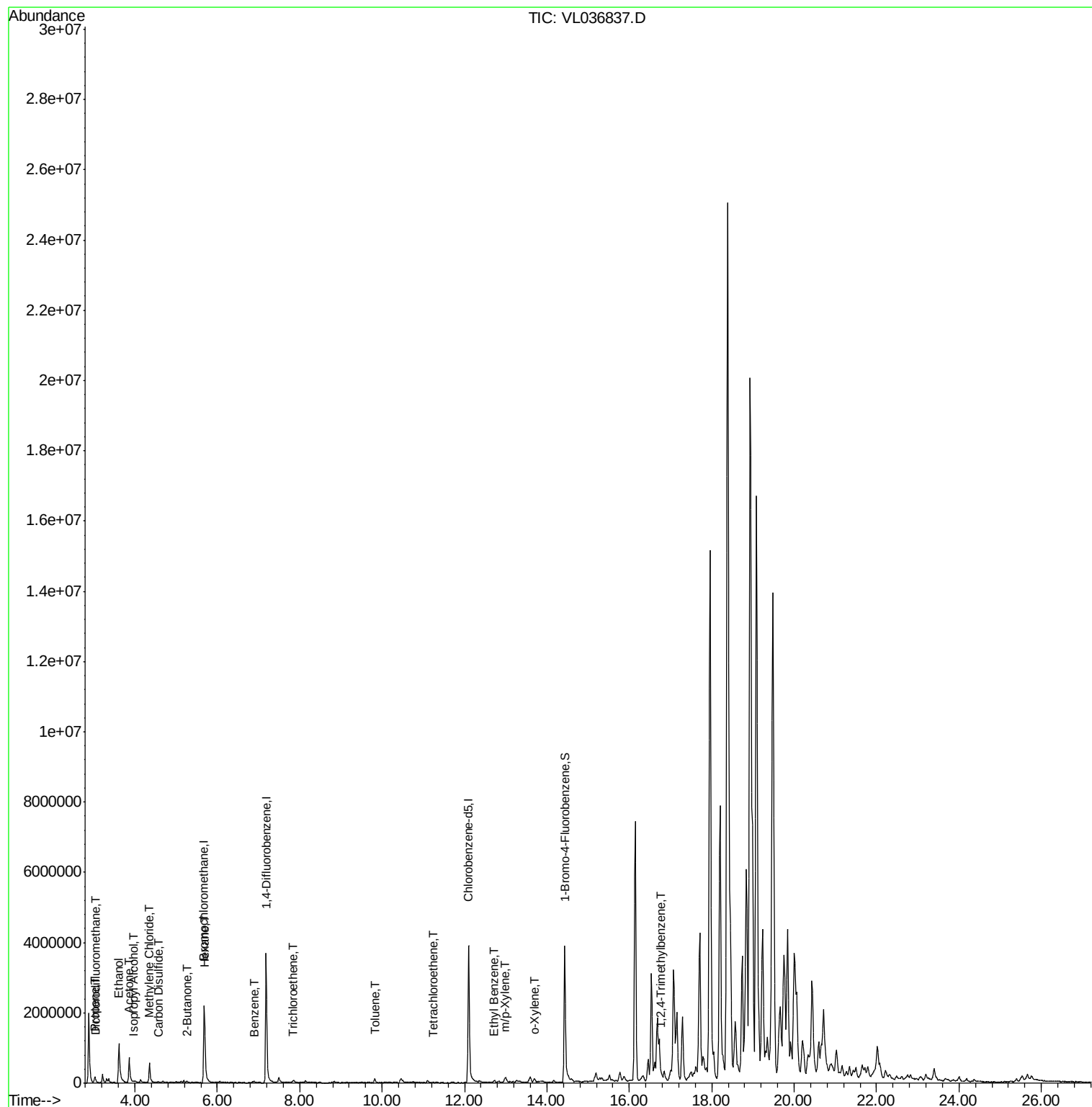
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042021\
Data File : VL036837.D
Acq On : 21 Apr 2021 00:56
Operator : SY/AP
Sample : M2096-04 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

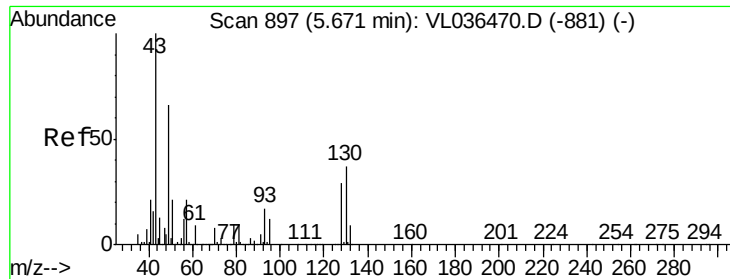
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Apr 21 12:10:21 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Mar 25 09:42:40 2021
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Supervised By :Mahesh Dadoda 04/21/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1

Acq: 21 Apr 2021 00:50

Tot Ion:

Ion Ratio

49 100

128 47.

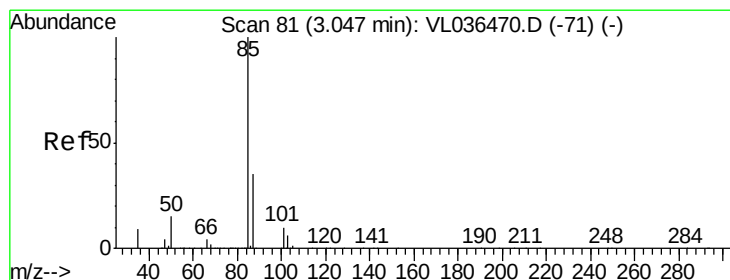
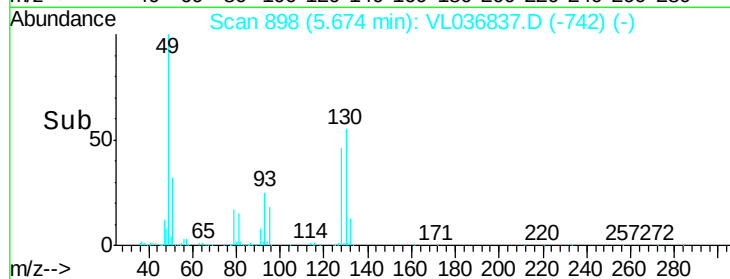
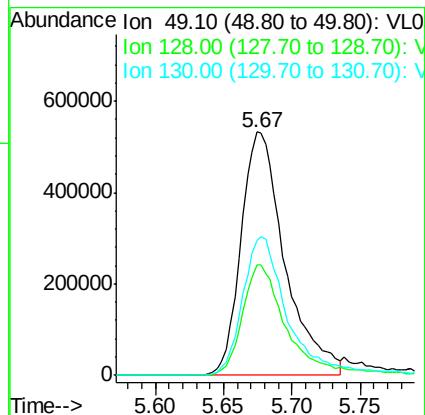
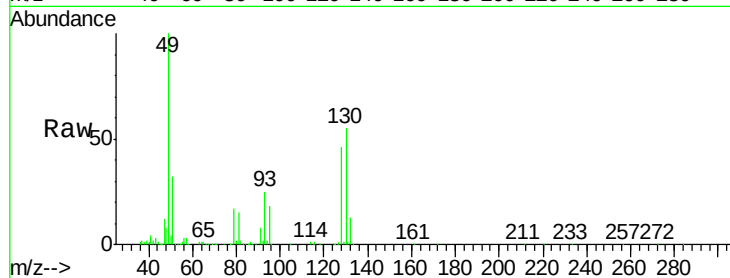
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#2

Dichlorodifluoromethane

Concen: 0.147 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036837.D

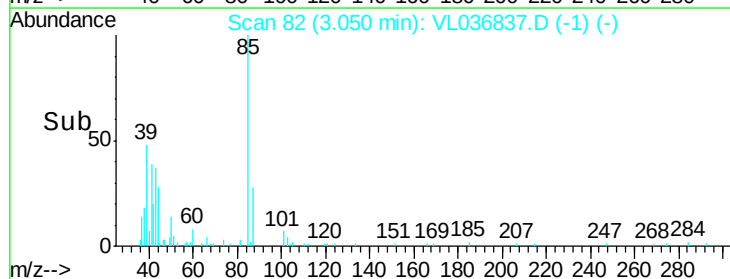
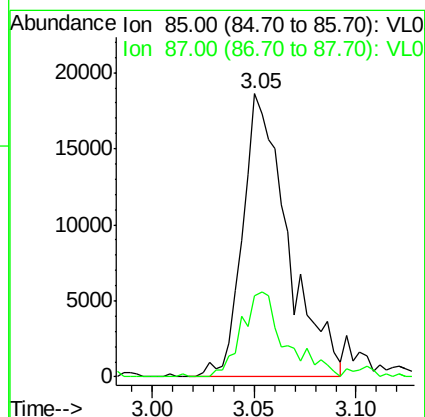
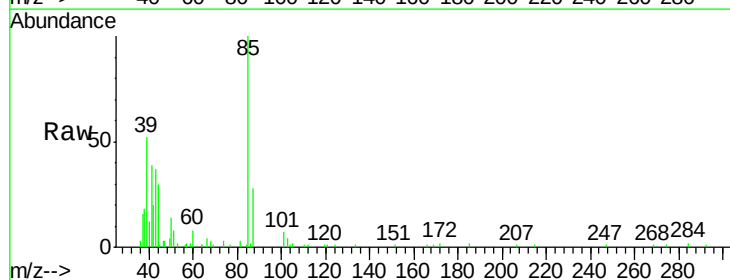
Acq: 21 Apr 2021 00:56

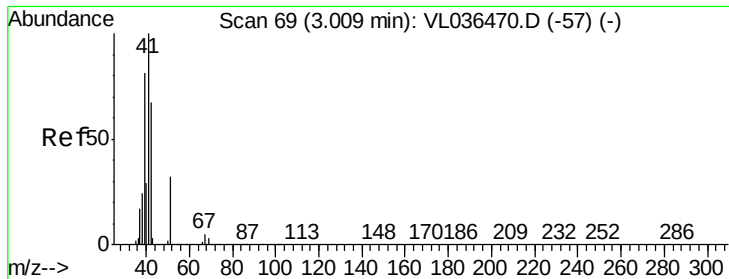
Tgt Ion: 85 Resp: 28489

Ion Ratio Lower Upper

85 100

87 28.4 27.8 41.8





#9

Propene

Concen: 0.966 ppbv m

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Apr 2021 00:50

Tot Ion:

Ion Ratio

41 100

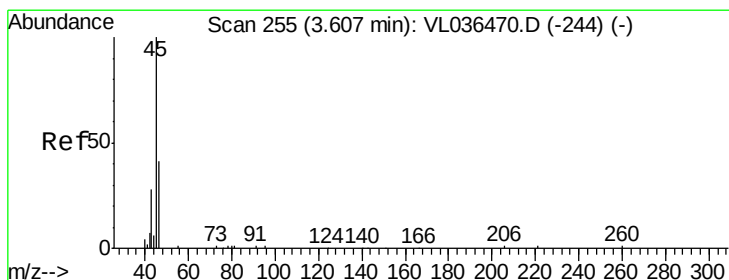
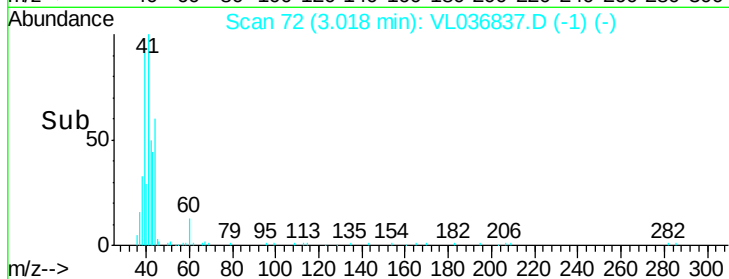
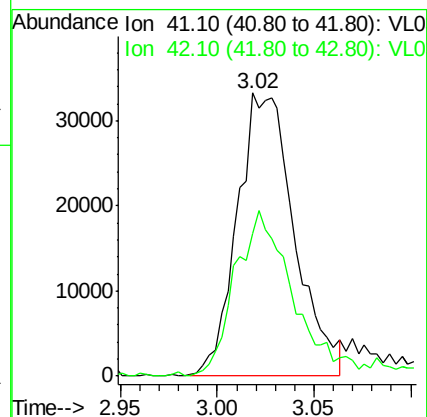
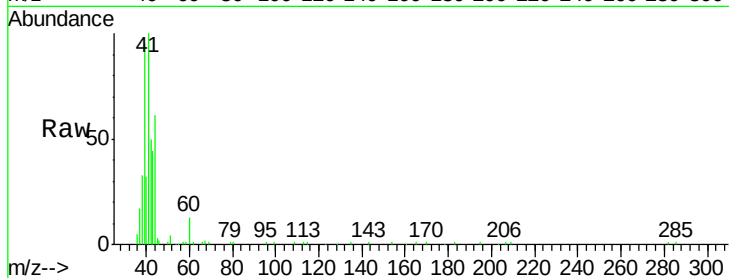
42 63.

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Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#13

Ethanol

Concen: 182.330 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036837.D

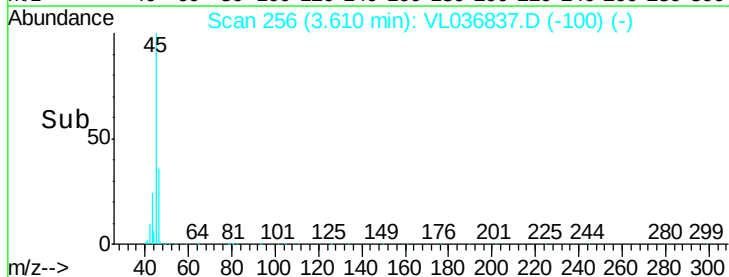
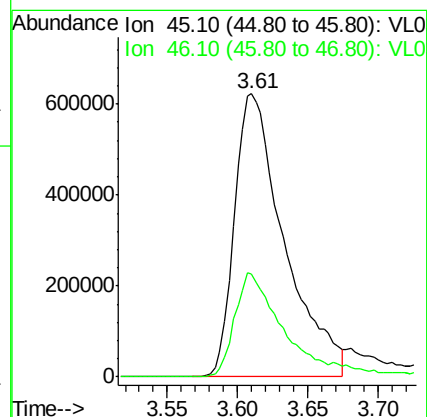
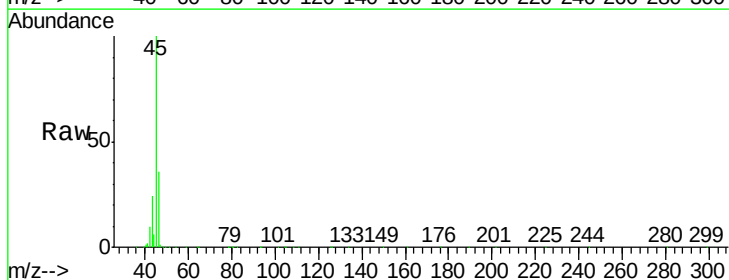
Acq: 21 Apr 2021 00:56

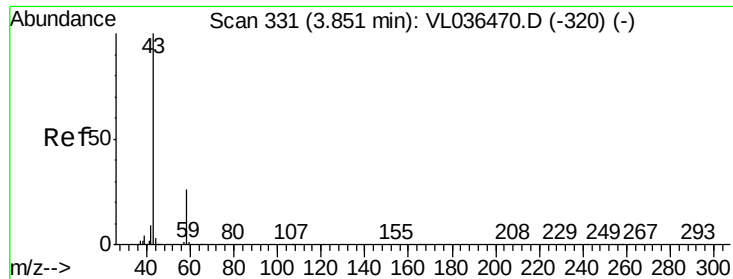
Tgt Ion: 45 Resp: 1536258

Ion Ratio Lower Upper

45 100

46 39.3 16.6 66.2



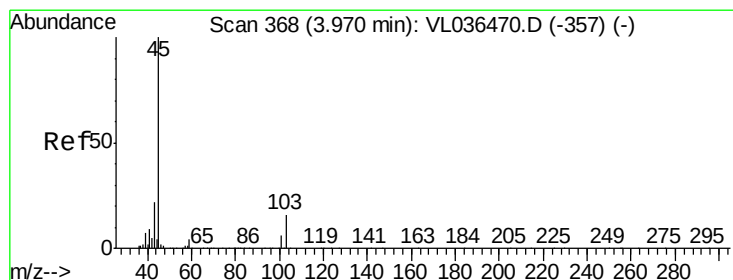
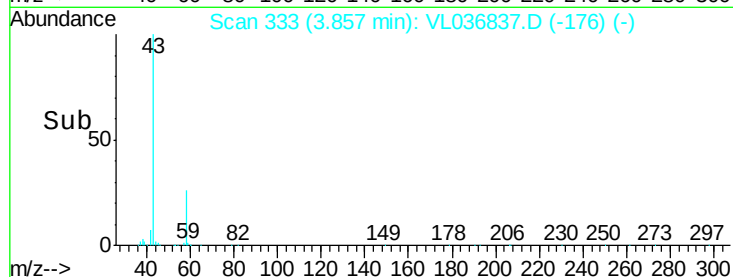
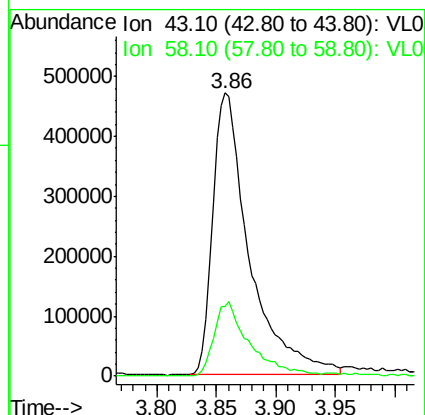
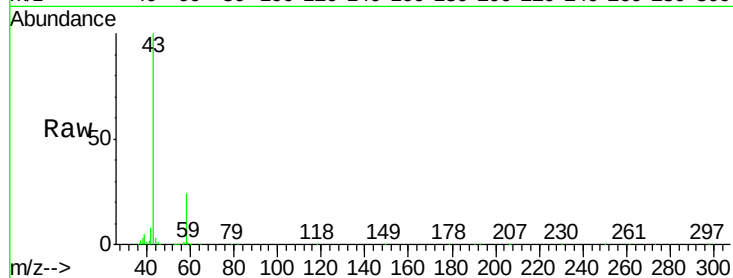


#15
Acetone
Concen: 8.540 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Apr 2021 00:50

Tot Ion:
Ion Ratio
43 100
58 27.

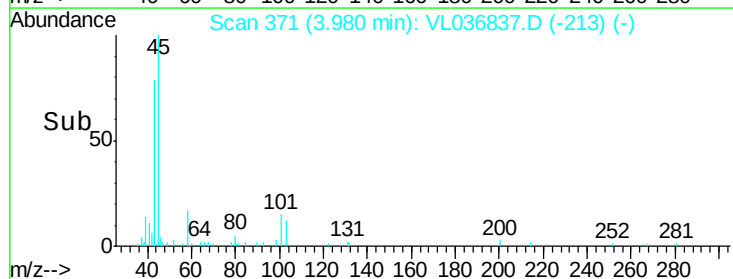
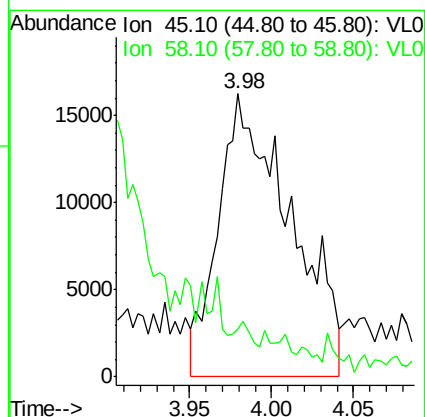
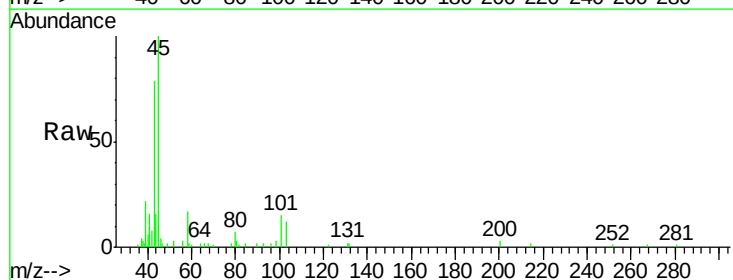
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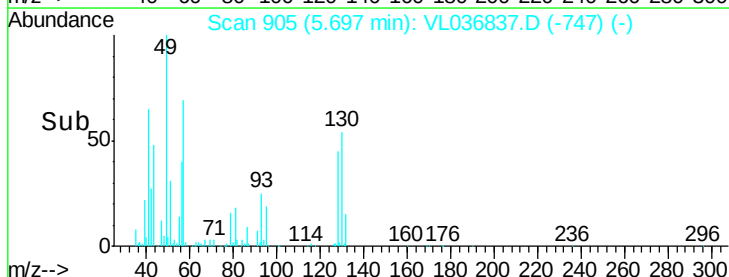
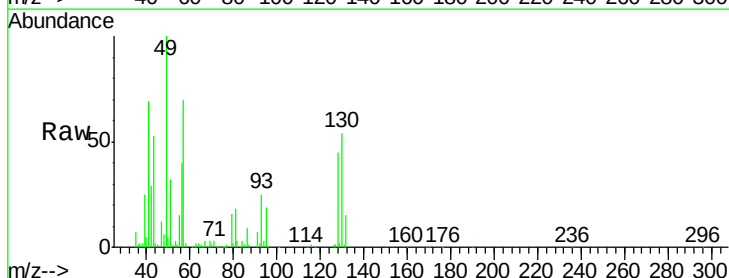
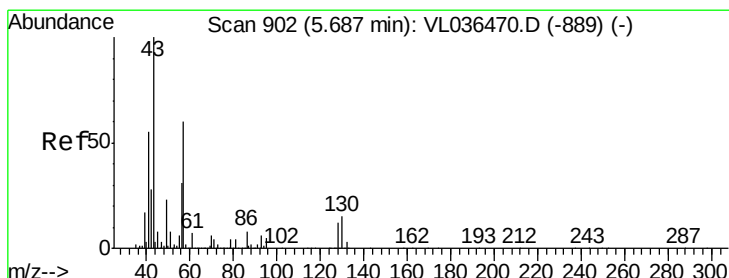
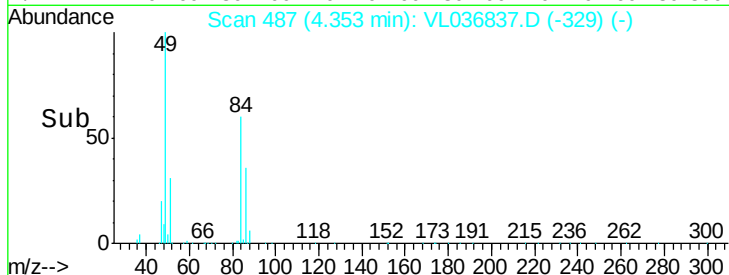
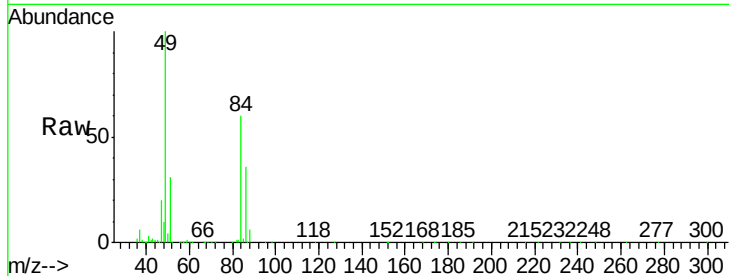
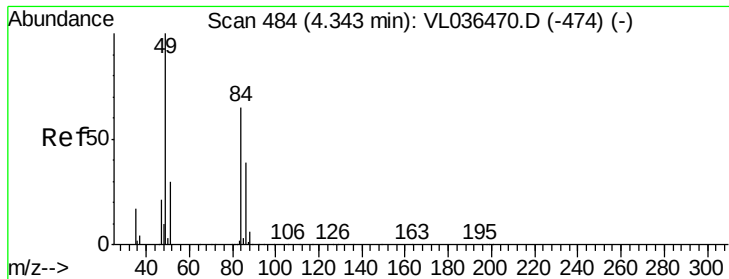
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#19
Isopropyl Alcohol
Concen: 0.764 ppbv m
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036837.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 45 Resp: 49158
Ion Ratio Lower Upper
45 100
58 556.8 2.9 4.3#



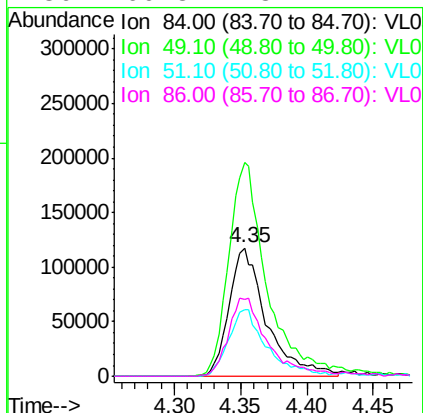


#20
Methvlene Chloride
Concen: 4.223 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Apr 2021 00:50

Tot Ion: 84.00 (83.70 to 84.70): VL0
Ion Ratio: 100
84 100
49 166.
51 51.
86 60.3 48.2 72.4

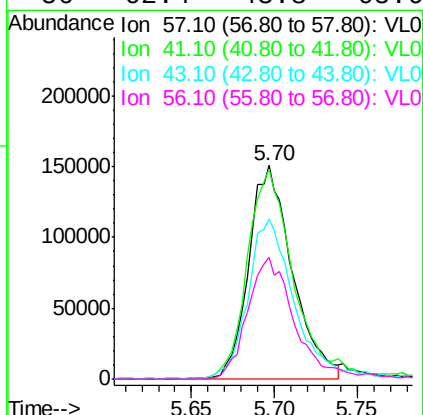
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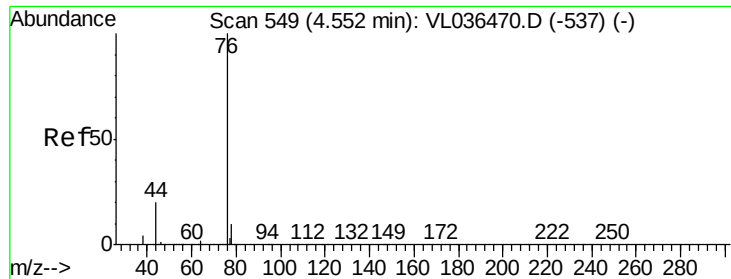
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#26
Hexane
Concen: 2.136 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036837.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 57 Resp: 275510
Ion Ratio Lower Upper
57 100
41 106.5 77.2 115.8
43 81.2 173.8 260.6#
56 62.4 43.8 65.6



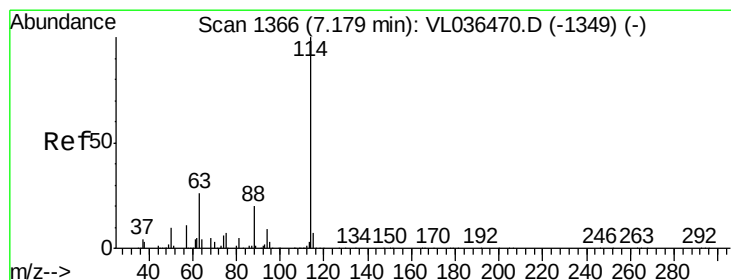
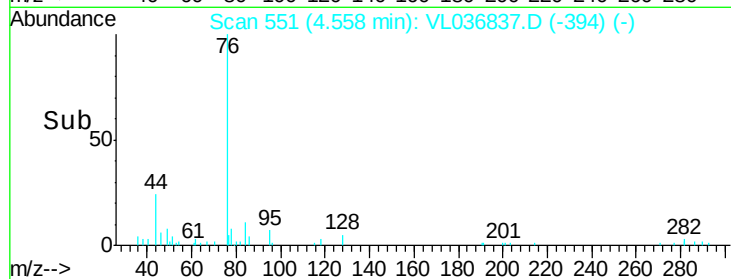
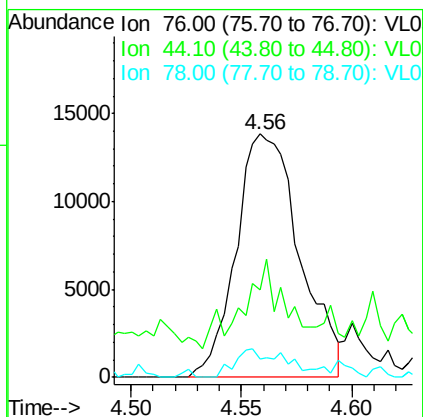
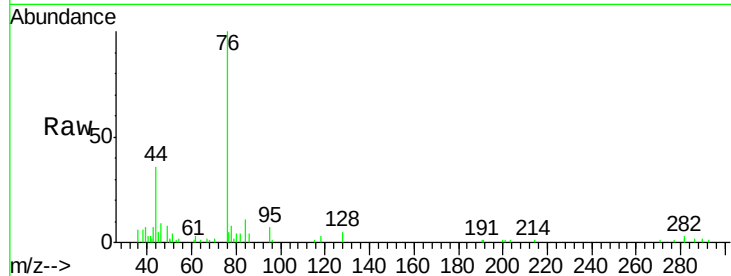


#27
Carbon Disulfide
Concen: 0.218 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1
Acq: 21 Apr 2021 00:50

Tot Ion:
Ion Ratio
76 100
44 25.
78 13.

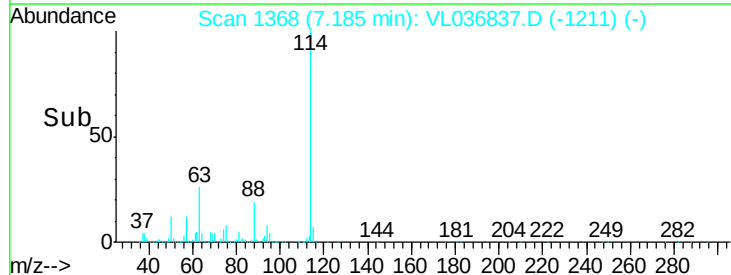
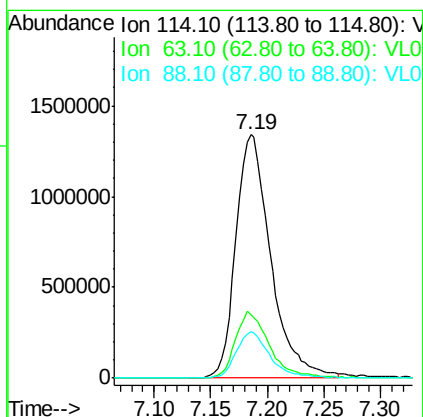
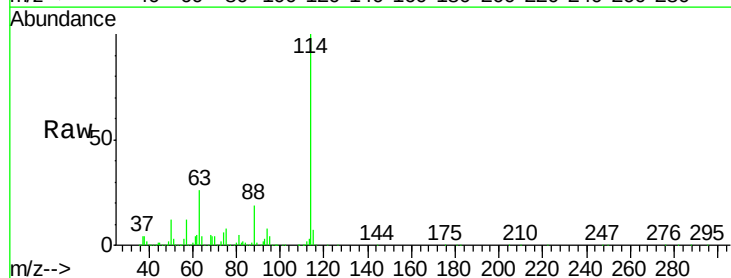
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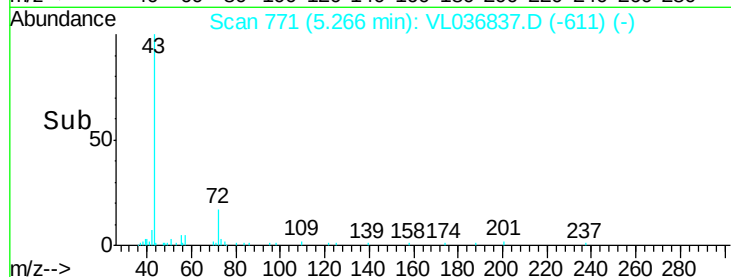
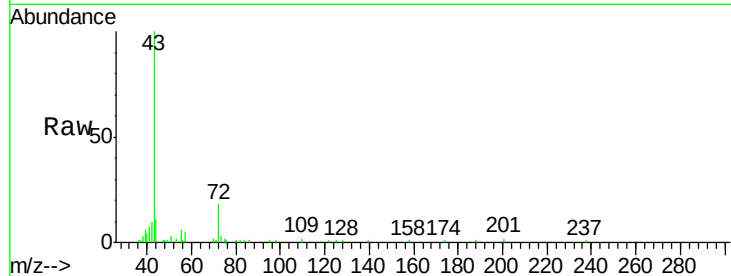
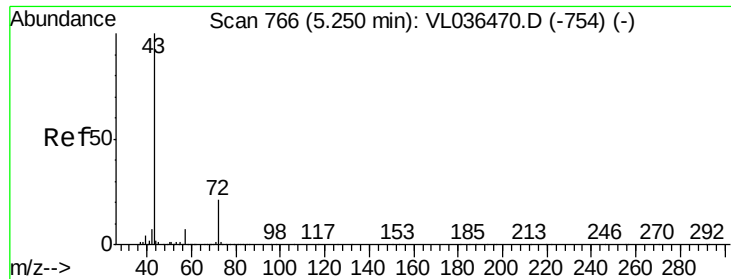
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL036837.D
Acq: 21 Apr 2021 00:56

Tgt Ion:114 Resp: 2891433
Ion Ratio Lower Upper
114 100
63 26.9 22.4 33.6
88 18.8 15.4 23.0



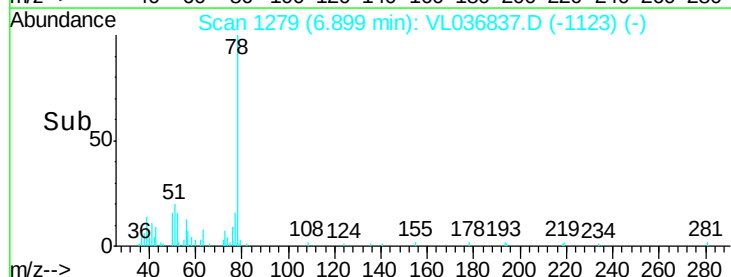
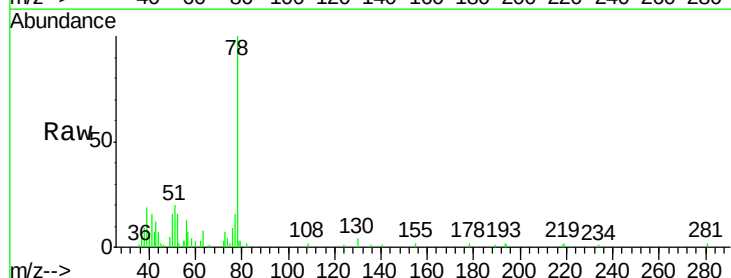
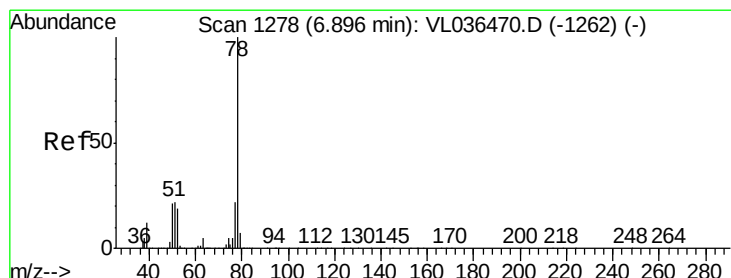
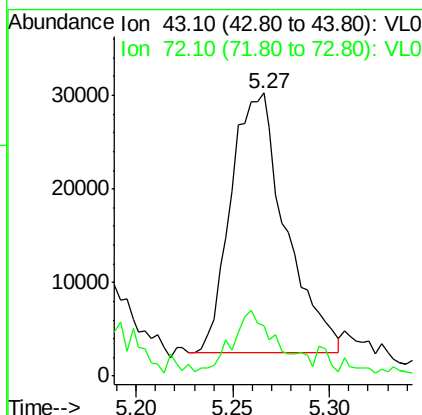


#34
2-Butanone
Concen: 0.388 ppbv
RT: 5.27
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Apr 2021 00:50

Tot Ion:
Ion Ratio
43 100
72 26.

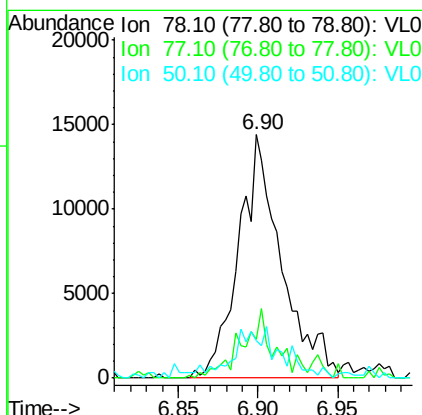
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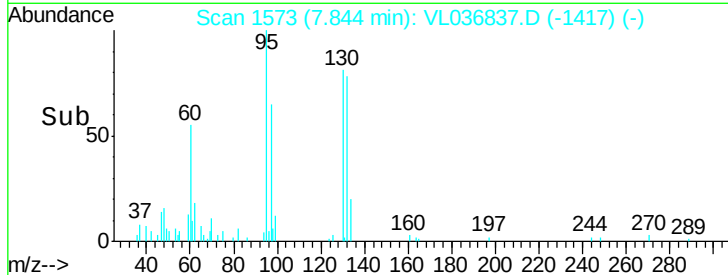
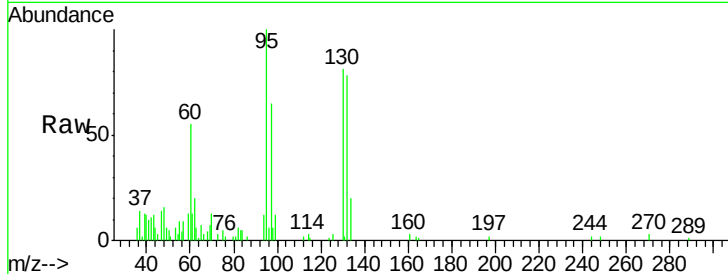
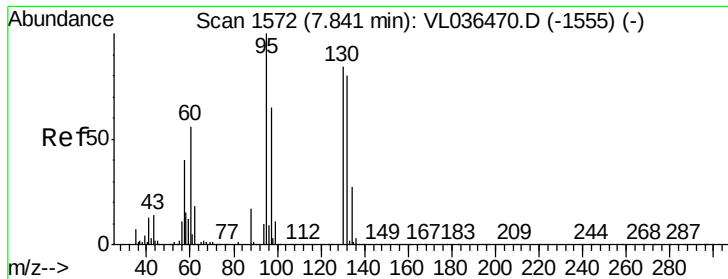
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#36
Benzene
Concen: 0.101 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T.: 0.00 min
Lab File: VL036837.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 78 Resp: 26990
Ion Ratio Lower Upper
78 100
77 16.1 18.0 27.0#
50 15.7 16.5 24.7#



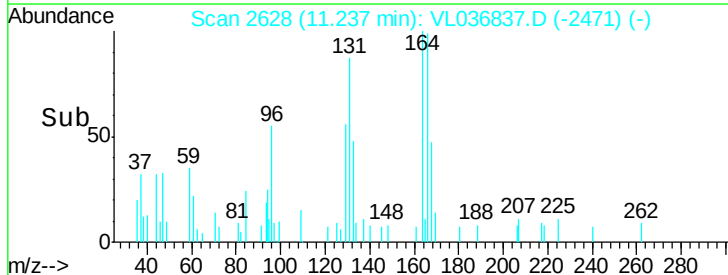
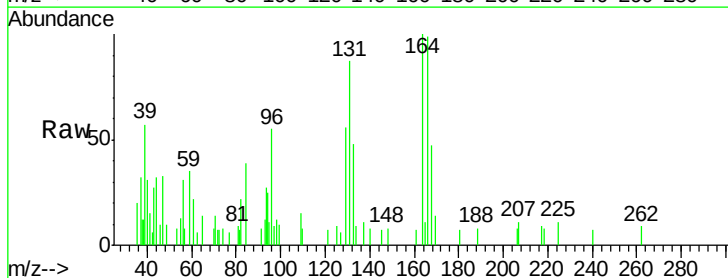
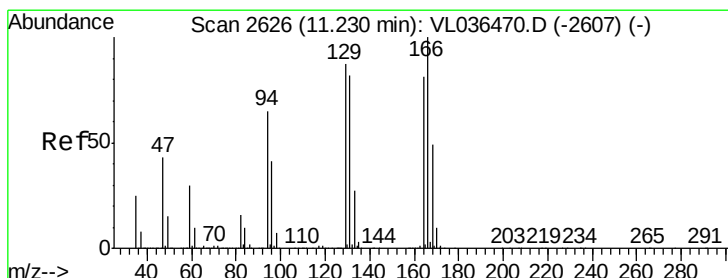
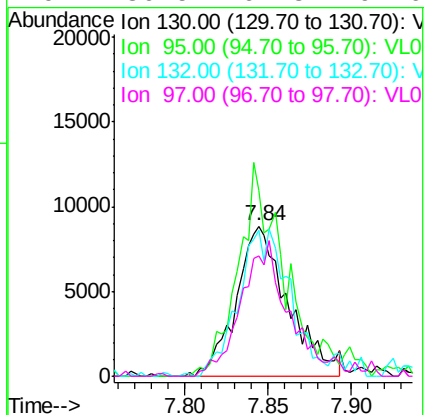


#38
 Trichloroethene
 Concen: 0.185 ppbv m
 RT: 7.84
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 21 Apr 2021 00:50

Tot Ion:1
 Ion Ratio
 130 100
 95 123.
 132 96.
 97 80.5 61.8 92.6

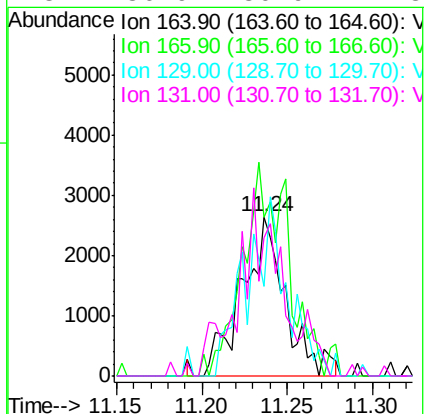
Manual Integrations
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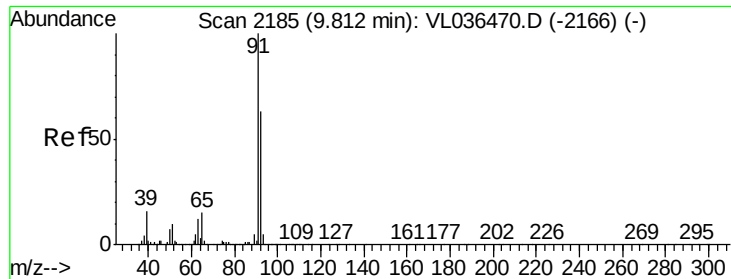
Reviewed By :Semsettin Yesilyurt 04/21/2021
 Supervised By :Mahesh Dadoda 04/21/2021



#52
 Tetrachloroethene
 Concen: 0.048 ppbv m
 RT: 11.24 min Scan# 2628
 Delta R.T. 0.01 min
 Lab File: VL036837.D
 Acq: 21 Apr 2021 00:56

Tgt Ion:164 Resp: 4686
 Ion Ratio Lower Upper
 164 100
 166 99.3 98.3 147.5
 129 56.0 85.8 128.8#
 131 86.9 80.9 121.3





#53

Toluene

Concen: 0.323 ppbv

RT: 9.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Apr 2021 00:50

Tot Ion:

Ion Ratio

91 100

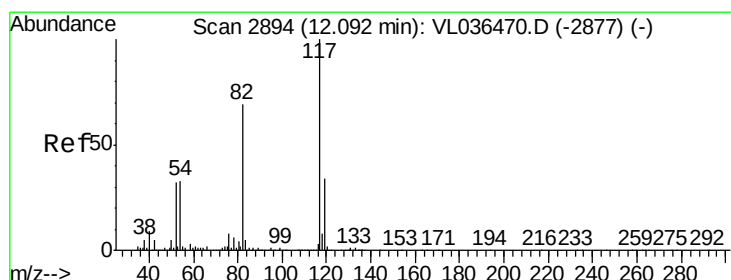
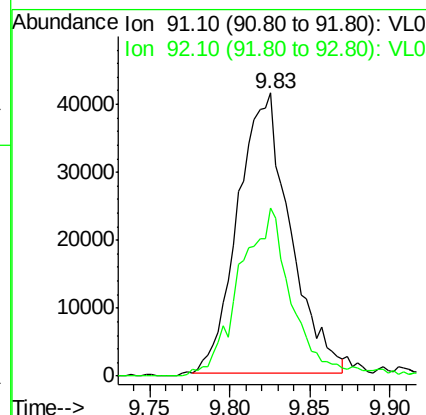
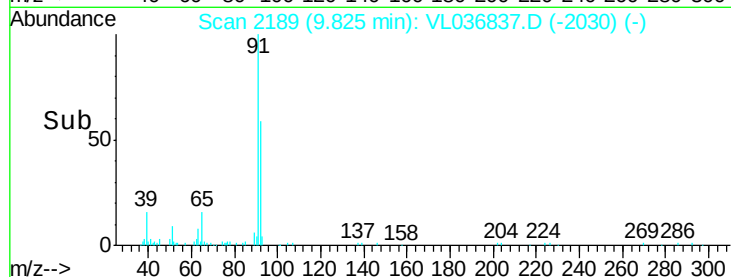
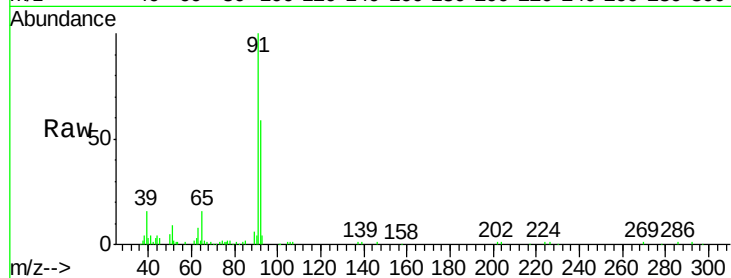
92 61.

Manual Integrations

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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# 2896

Delta R.T. 0.01 min

Lab File: VL036837.D

Acq: 21 Apr 2021 00:56

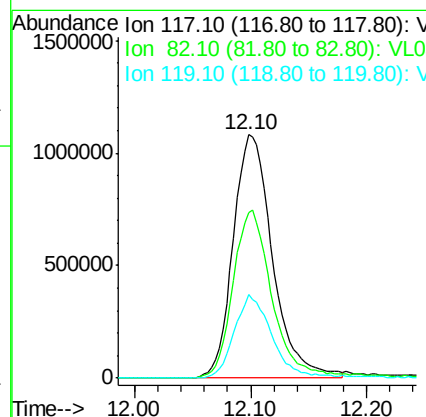
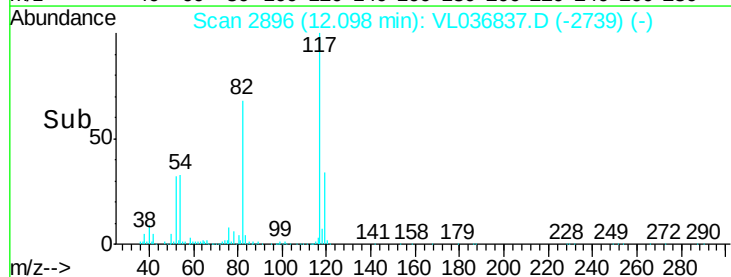
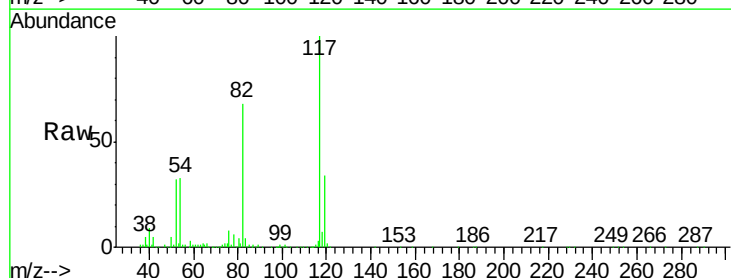
Tgt Ion:117 Resp: 2550329

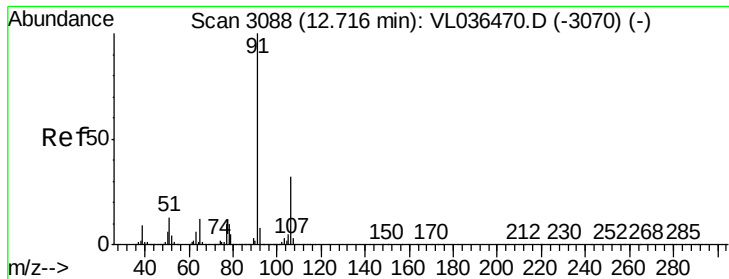
Ion Ratio Lower Upper

117 100

82 70.7 57.4 86.0

119 33.6 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.117 ppbv m

RT: 12.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Apr 2021 00:50

Tot Ion:

Ion Ratio

91 100

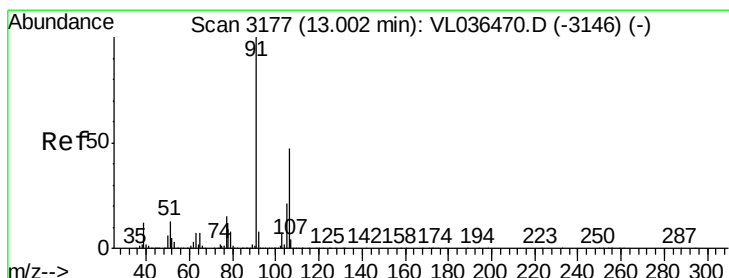
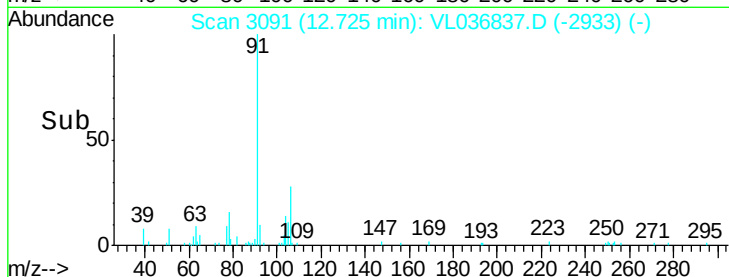
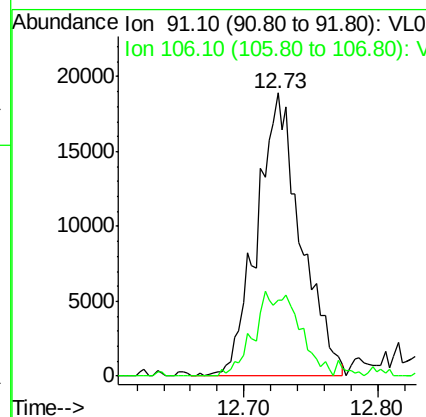
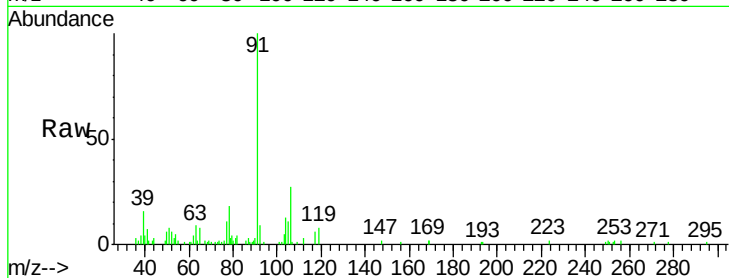
106 26.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#59

m/p-Xylene

Concen: 0.467 ppbv m

RT: 12.99 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL036837.D

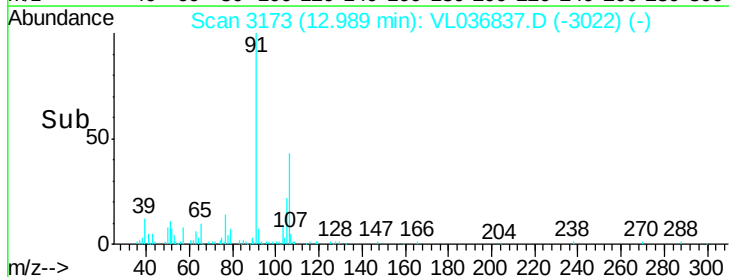
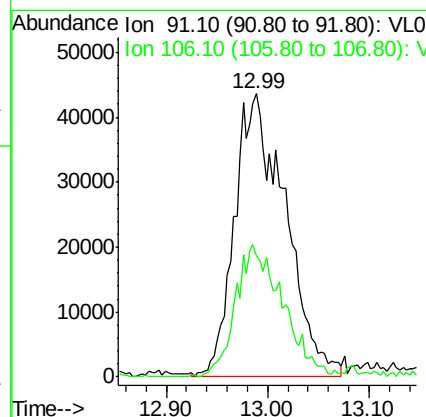
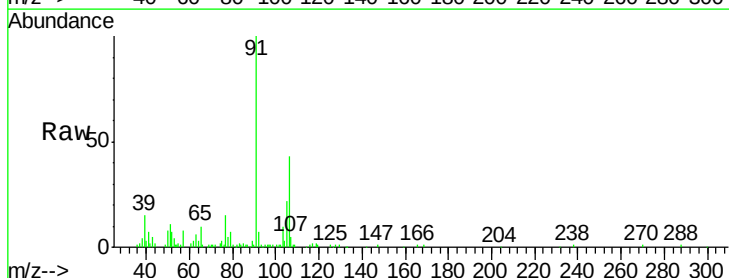
Acq: 21 Apr 2021 00:56

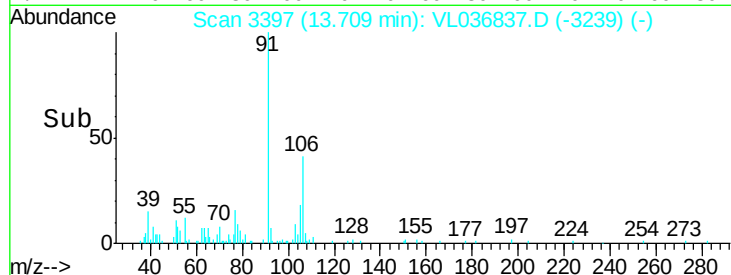
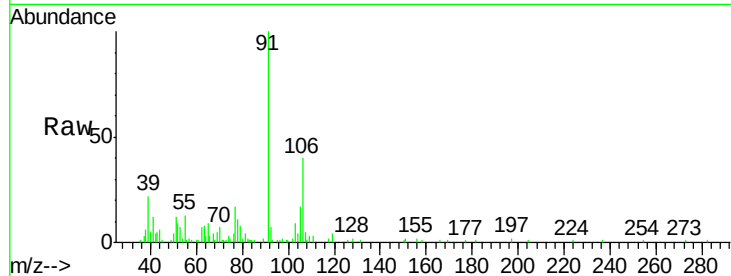
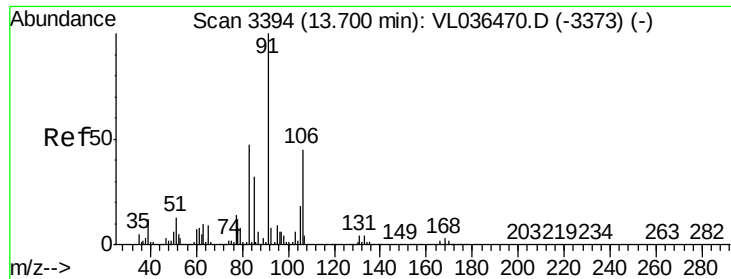
Tgt Ion: 91 Resp: 151110

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#



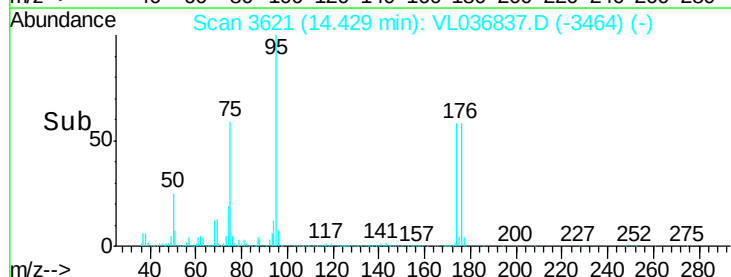
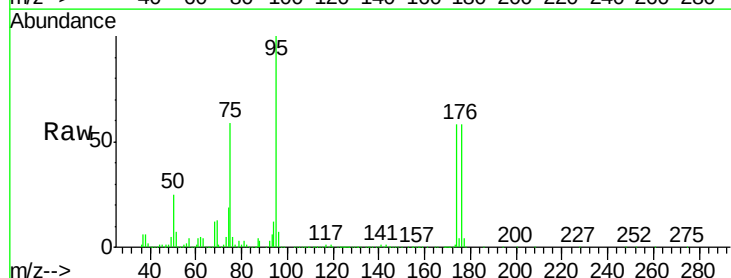
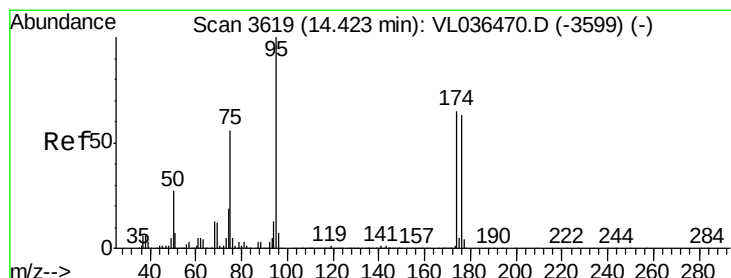
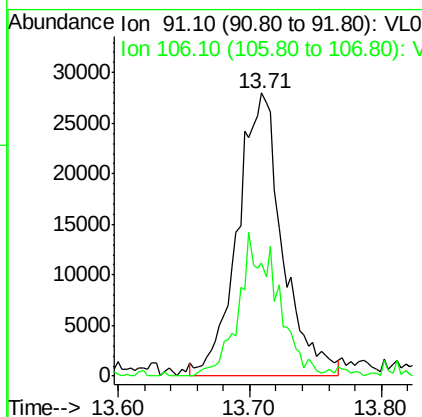


#60
o-Xylene
Concen: 0.212 ppbv m
RT: 13.71
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Apr 2021 00:50

Tot Ion:
Ion Ratio
91 100
106 0.

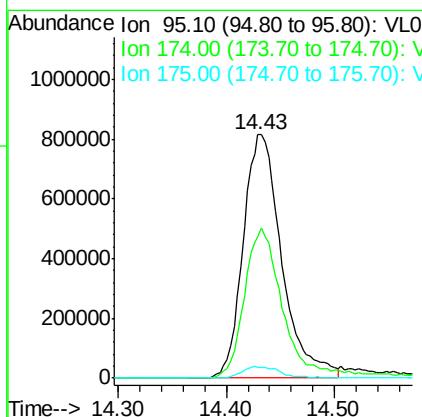
Manual Integrations
APPROVED

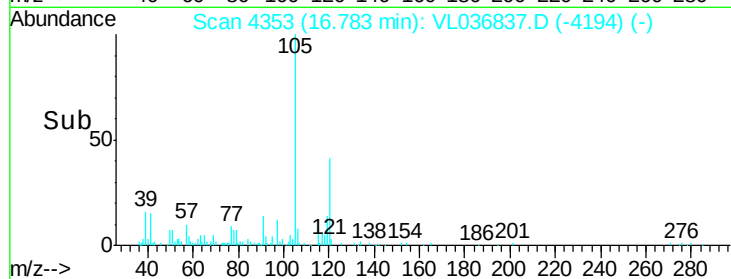
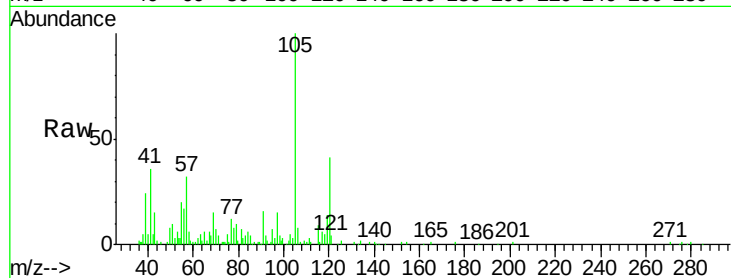
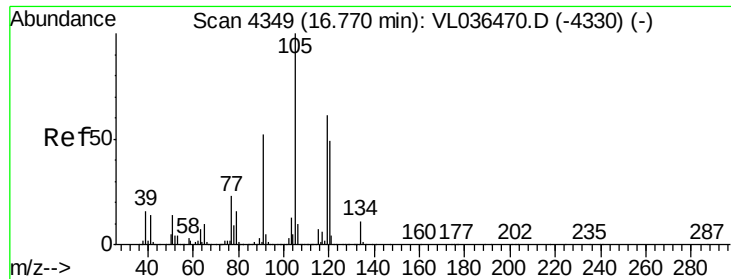
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.970 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.01 min
Lab File: VL036837.D
Acq: 21 Apr 2021 00:56

Tgt Ion: 95 Resp: 2026624
Ion Ratio Lower Upper
95 100
174 61.1 51.0 76.6
175 4.8 3.9 5.9





#74

1,2,4-Trimethylbenzene

Concen: 0.321 ppbv m

RT: 16.78

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Apr 2021 00:30

Tot Ion:1
Ion Rati
105 100
120 40.
91 16.
77 11.6 18.6 28.0#

Manual Integrations
APPROVED

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

