

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036830.D
 Acq On : 20 Apr 2021 20:35
 Operator : SY/AP
 Sample : M2096-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

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

Quant Time: Apr 21 12:41:18 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	1345943	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3146139	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2739990	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2052752	9.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	3.05	85	59896	0.273	ppbv	# 85
3) Chlorodifluoromethane	2.99	51	109338	0.435	ppbv	94
4) Chloromethane	3.14	50	70643	0.795	ppbv	95
9) Propene	3.02	41	189556	2.364	ppbv	85
10) Heptane	8.13	43	43325m	0.212	ppbv	
11) Trichlorofluoromethane	3.96	101	45099m	0.202	ppbv	
13) Ethanol	3.66	45	36184513	3790.269	ppbv	86
15) Acetone	3.85	43	1894199	14.299	ppbv	99
20) Methylene Chloride	4.35	84	424126	6.838	ppbv	93
26) Hexane	5.69	57	655016	4.482	ppbv	90
29) Chloroform	5.76	83	37366m	0.160	ppbv	
30) Cyclohexane	7.14	84	44300m	0.374	ppbv	
34) 2-Butanone	5.25	43	456920	2.975	ppbv	99
35) Carbon Tetrachloride	7.02	117	17928m	0.074	ppbv	
36) Benzene	6.90	78	132044	0.455	ppbv	# 91
44) 2,2,4-Trimethylpentane	7.88	57	100873m	0.198	ppbv	
52) Tetrachloroethene	11.24	164	4044m	0.038	ppbv	
53) Toluene	9.82	91	359637	1.164	ppbv	98
58) Ethyl Benzene	12.72	91	54206m	0.136	ppbv	
59) m/p-Xylene	12.99	91	175195m	0.504	ppbv	
60) o-Xylene	13.71	91	64100m	0.191	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	94555m	0.257	ppbv	

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

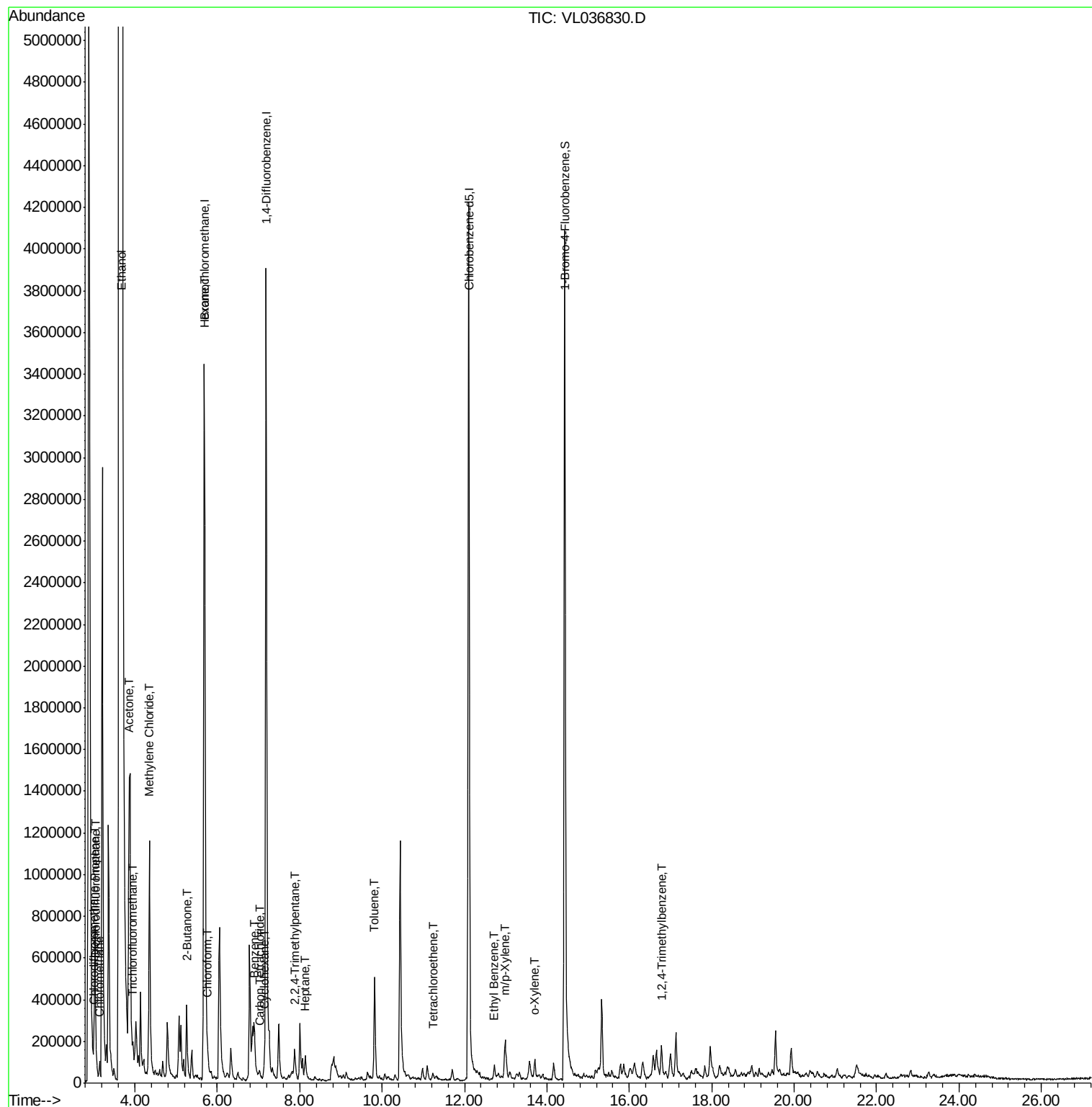
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042021\
Data File : VL036830.D
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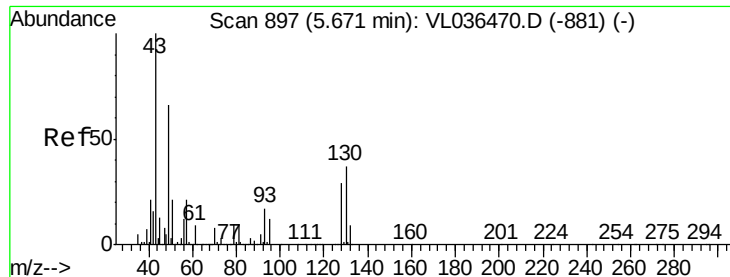
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Apr 21 12:41:18 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 :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 20:35

Tot Ion:

Ion Ratio

49 100

128 44.

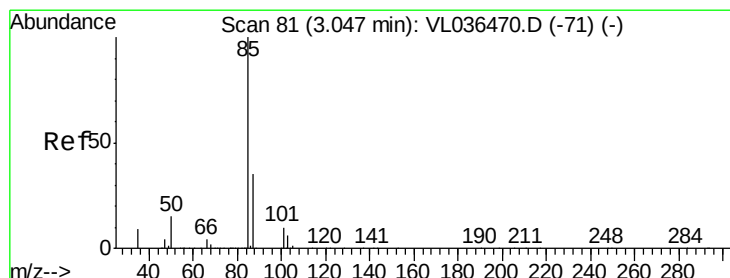
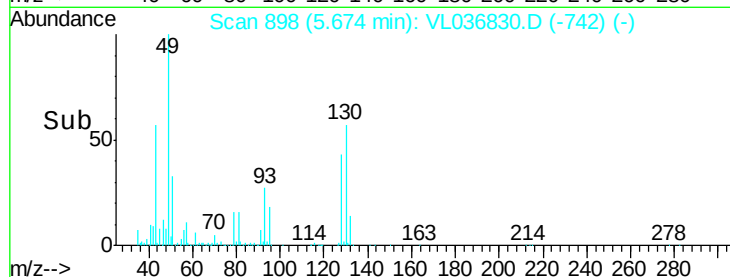
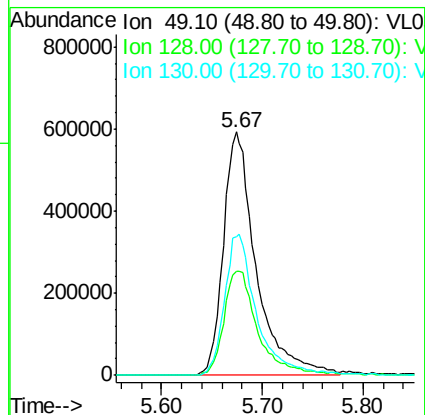
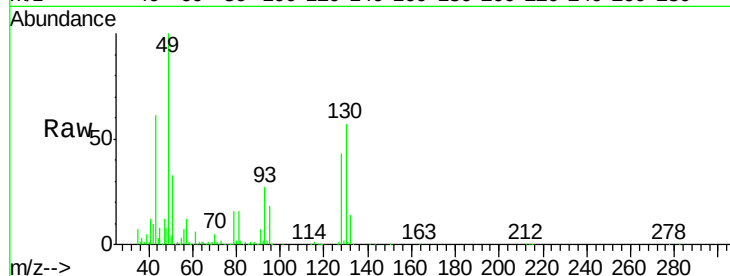
130 57.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#2

Dichlorodifluoromethane

Concen: 0.273 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036830.D

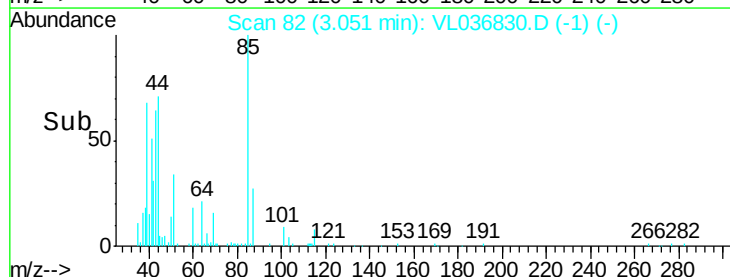
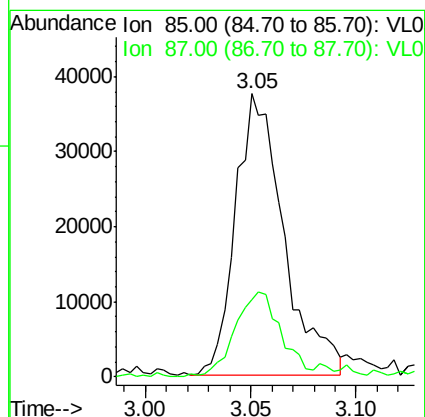
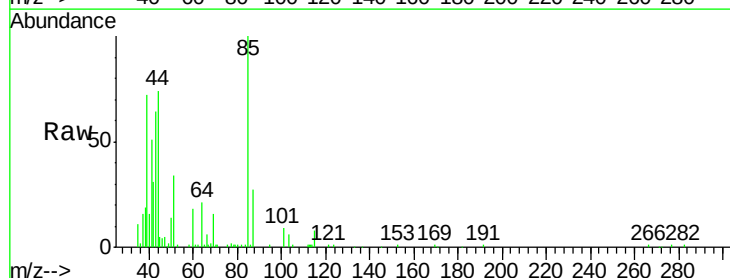
Acq: 20 Apr 2021 20:35

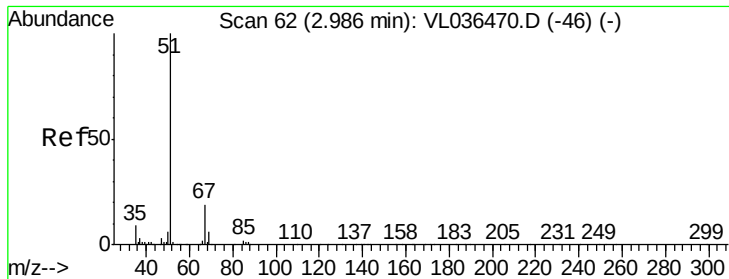
Tgt Ion: 85 Resp: 59896

Ion Ratio Lower Upper

85 100

87 26.3 27.8 41.8#





#3

Chlorodifluoromethane

Concen: 0.435 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 20:35

Tot Ion:

Ion Ratio

51 100

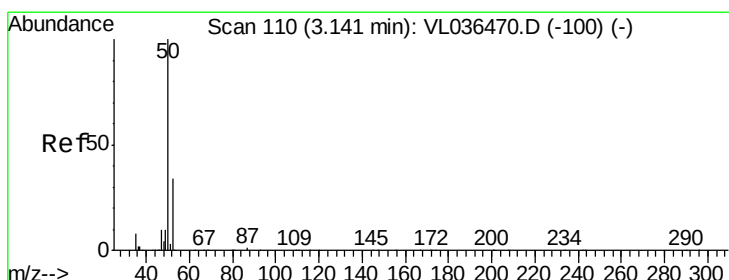
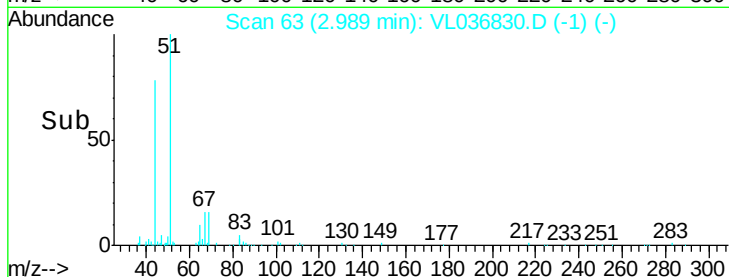
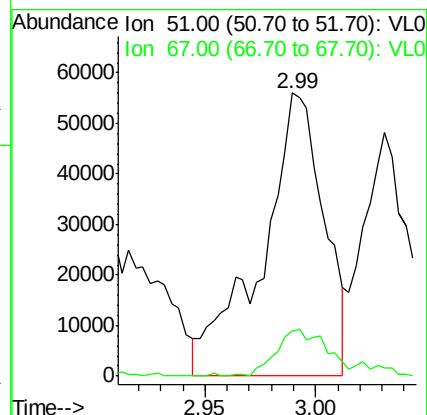
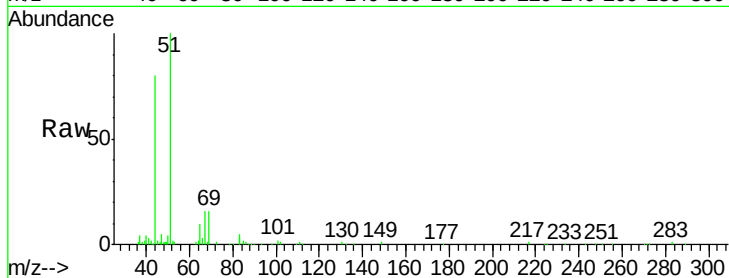
67 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#4

Chloromethane

Concen: 0.795 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036830.D

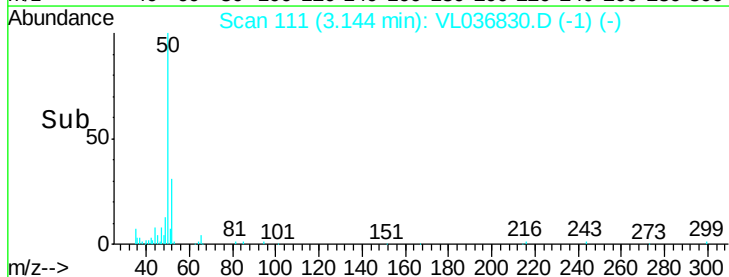
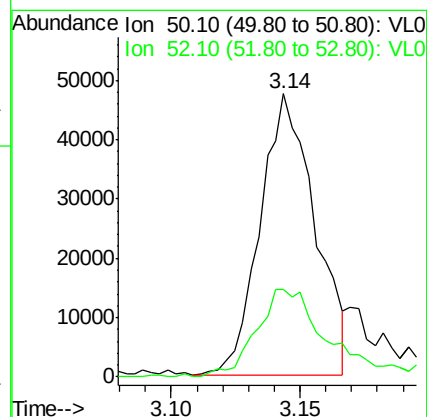
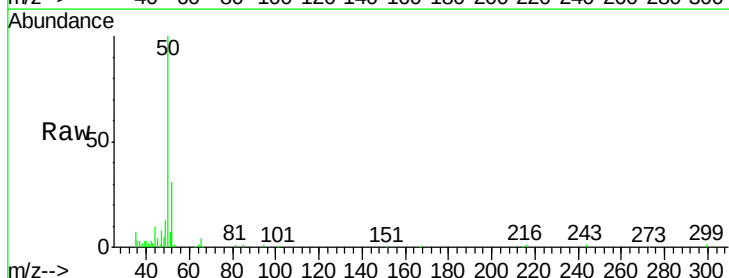
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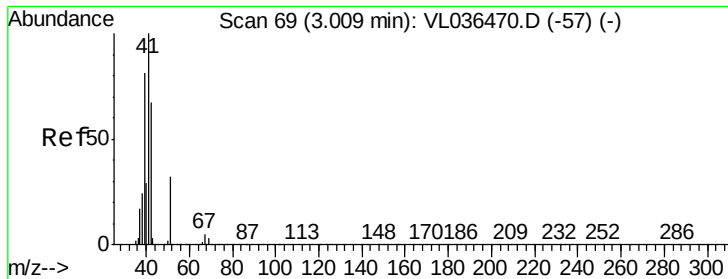
Tgt Ion: 50 Resp: 70643

Ion Ratio Lower Upper

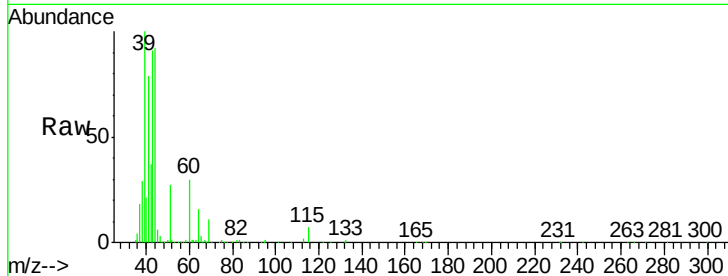
50 100

52 31.0 27.0 40.6





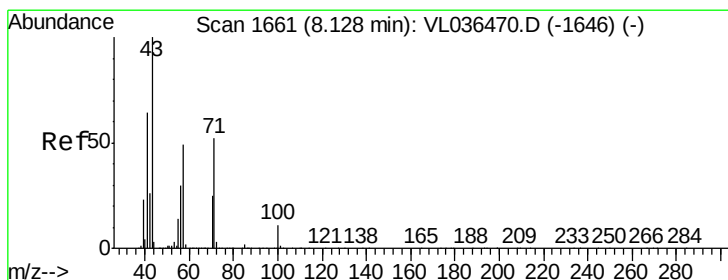
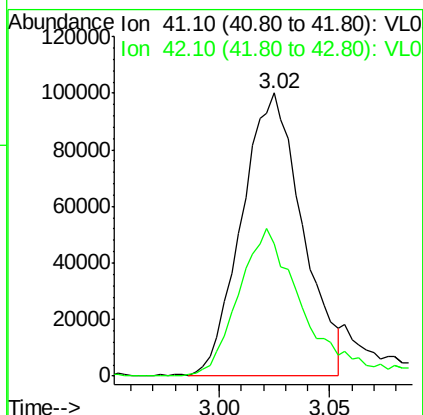
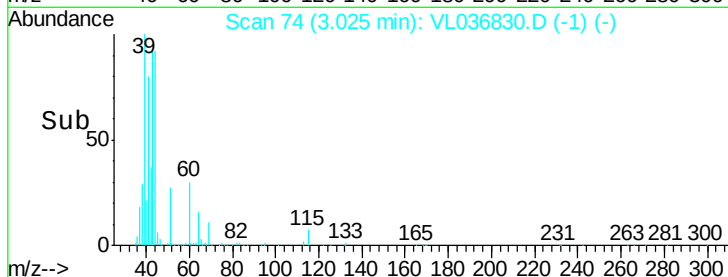
#9
 Propene
 Concen: 2.364 ppbv
 RT: 3.02
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 20:35



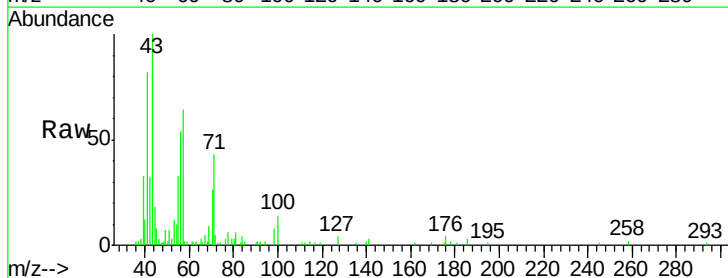
Tot Ion:
 Ion Ratio
 41 100
 42 59.

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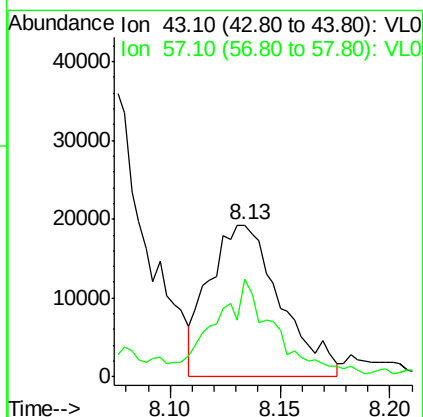
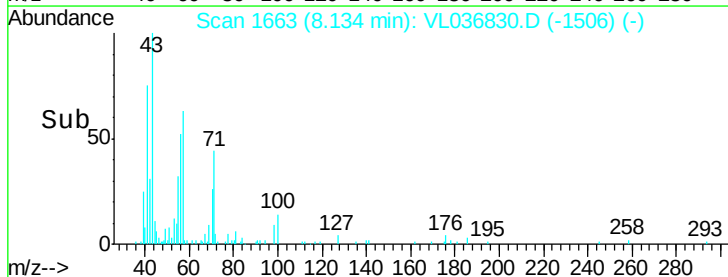
Reviewed By :Semsettin Yesilyurt 04/21/2021
 Supervised By :Mahesh Dadoda 04/21/2021

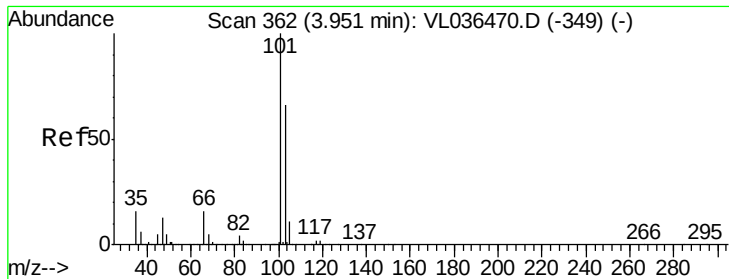


#10
 Heptane
 Concen: 0.212 ppbv m
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL036830.D
 Acq: 20 Apr 2021 20:35



Tgt Ion: 43 Resp: 43325
 Ion Ratio Lower Upper
 43 100
 57 54.9 39.0 58.6



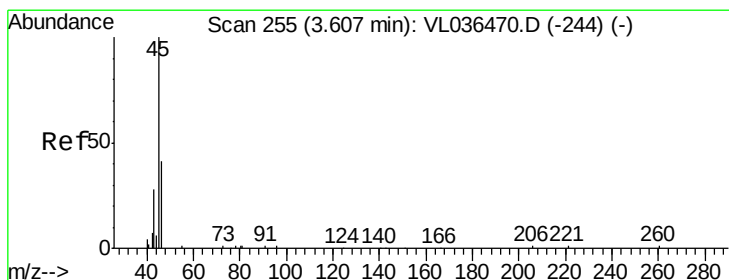
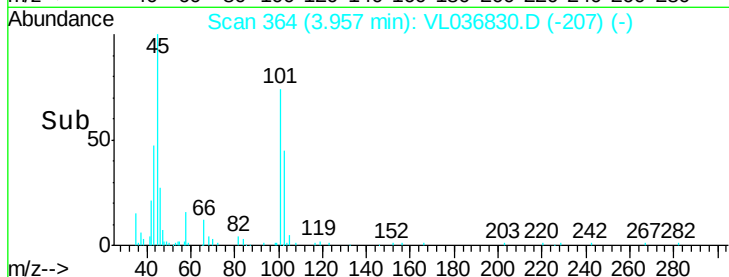
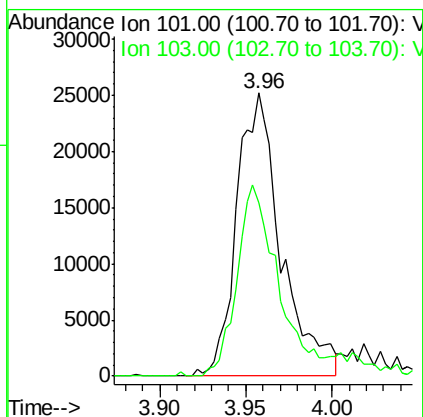
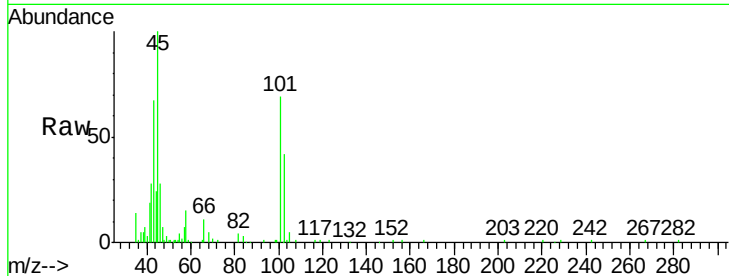


#11
 Trichlorofluoromethane
 Concen: 0.202 ppbv m
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 20:35

Tot Ion:1
 Ion Rati
 101 100
 103 61.

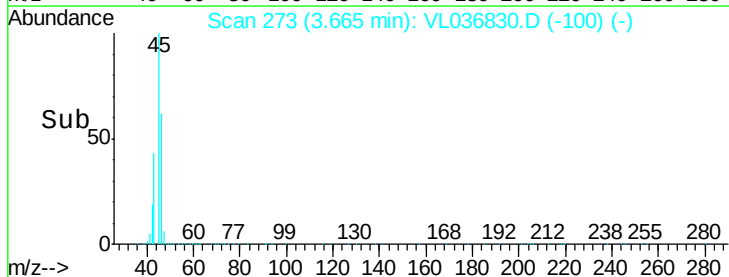
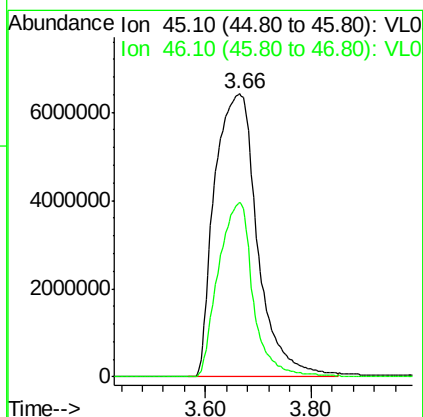
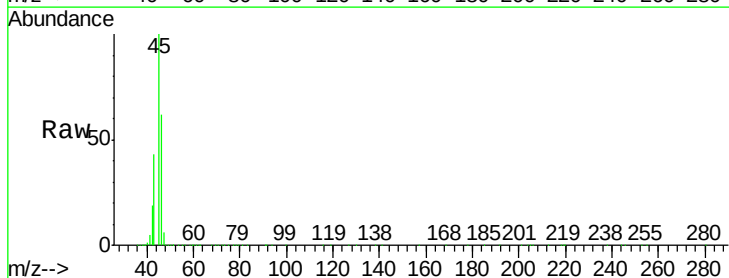
Manual Integrations
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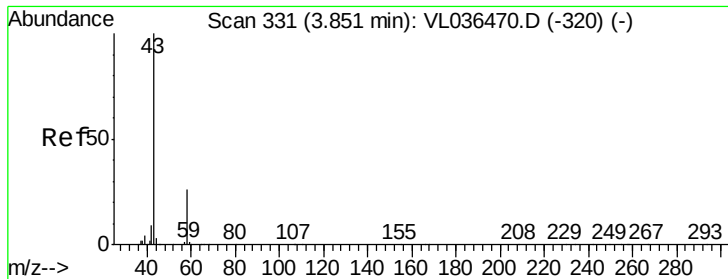
Reviewed By :Semsettin Yesilyurt 04/21/2021
 Supervised By :Mahesh Dadoda 04/21/2021



#13
 Ethanol
 Concen: 3790.269 ppbv
 RT: 3.66 min Scan# 273
 Delta R.T. 0.06 min
 Lab File: VL036830.D
 Acq: 20 Apr 2021 20:35

Tgt Ion: 45 Resp:36184513
 Ion Ratio Lower Upper
 45 100
 46 50.3 16.6 66.2





#15

Acetone

Concen: 14.299 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Apr 2021 20:35

Tot Ion:

Ion Ratio

43 100

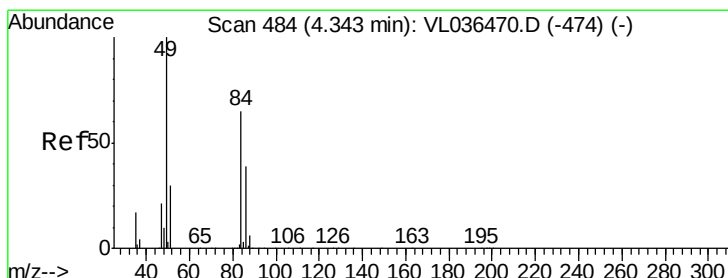
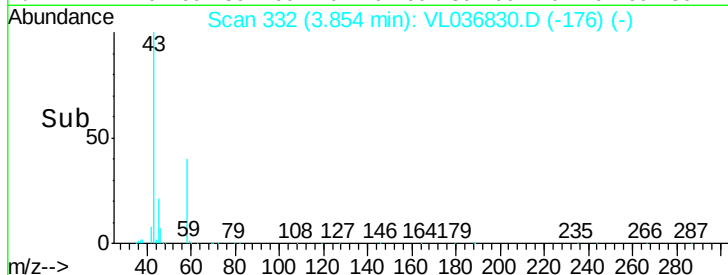
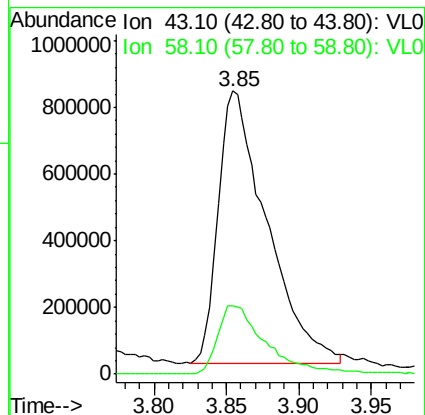
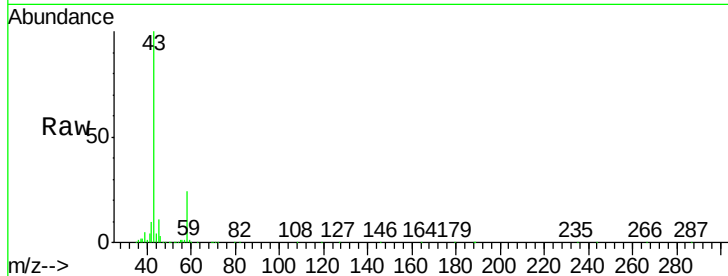
58 25.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2021

Supervised By :Mahesh Dadoda 04/21/2021



#20

Methylene Chloride

Concen: 6.838 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036830.D

Acq: 20 Apr 2021 20:35

Tgt Ion: 84 Resp: 424126

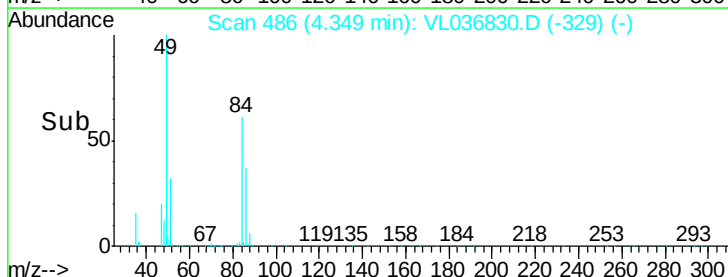
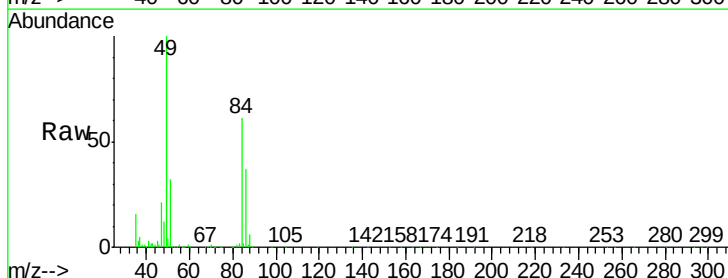
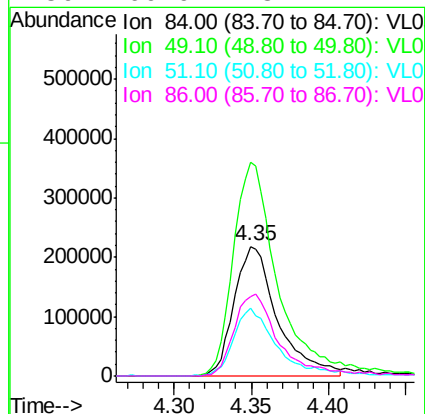
Ion Ratio Lower Upper

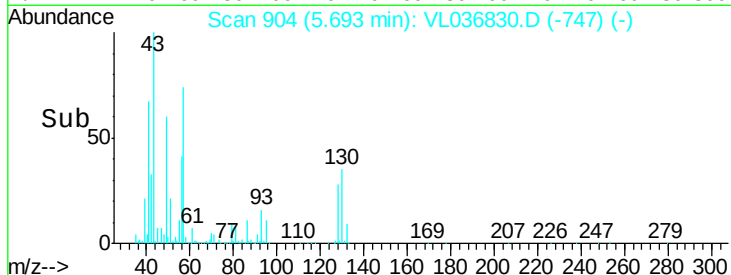
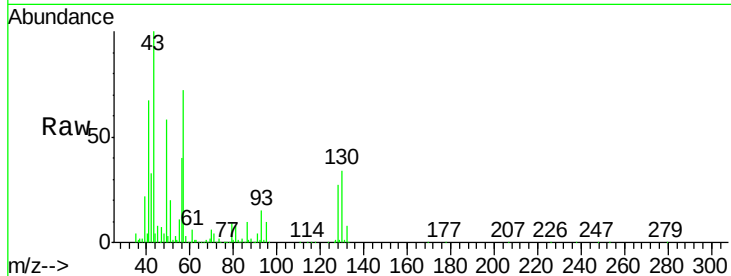
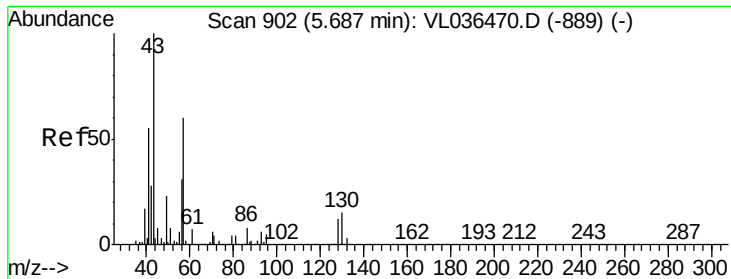
84 100

49 165.1 122.9 184.3

51 52.0 36.9 55.3

86 60.9 48.2 72.4

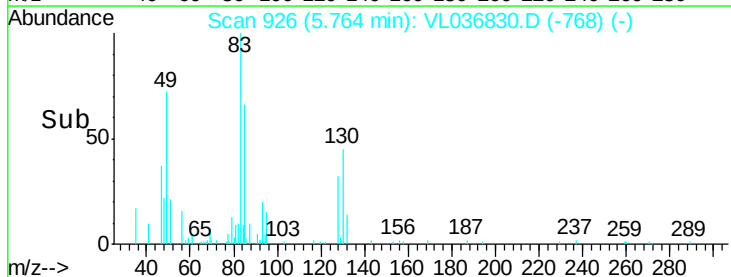
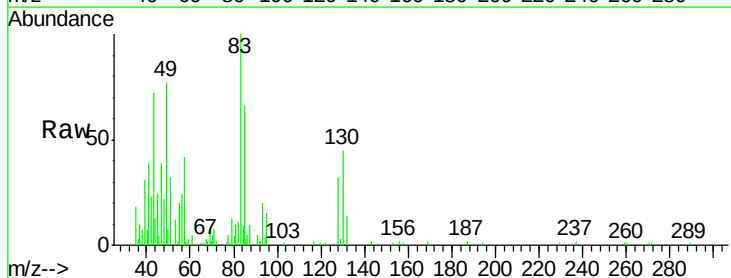
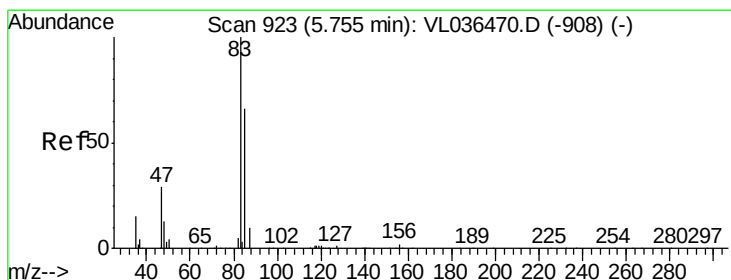
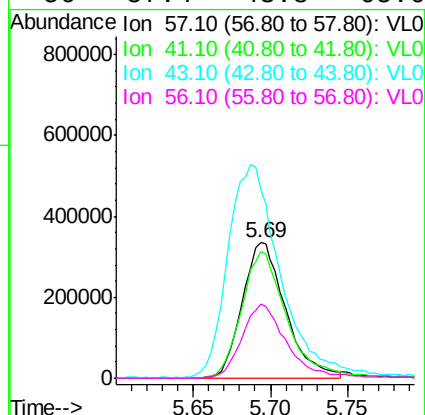




#26
Hexane
Concen: 4.482 ppbv
RT: 5.69
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Apr 2021 20:35

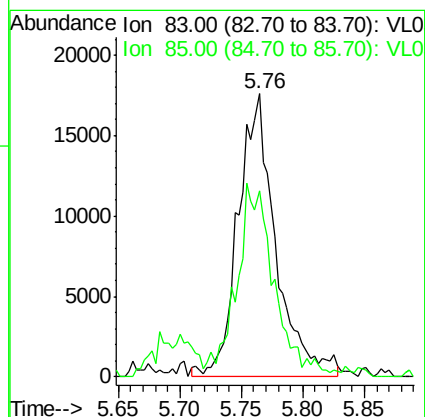
Tot Ion: Manual Integrations
Ion Ratio APPROVED
57 100
41 97.
43 192.
56 57.4 43.8 65.6

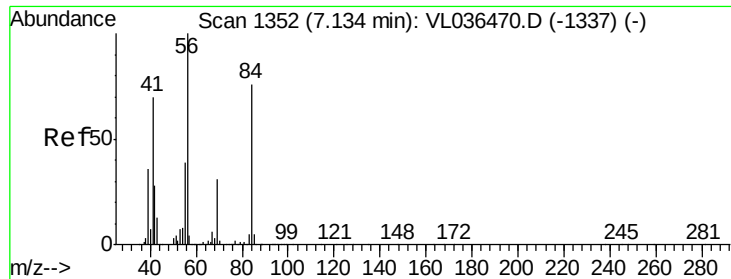
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#29
Chloroform
Concen: 0.160 ppbv m
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036830.D
Acq: 20 Apr 2021 20:35

Tgt Ion: 83 Resp: 37366
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8



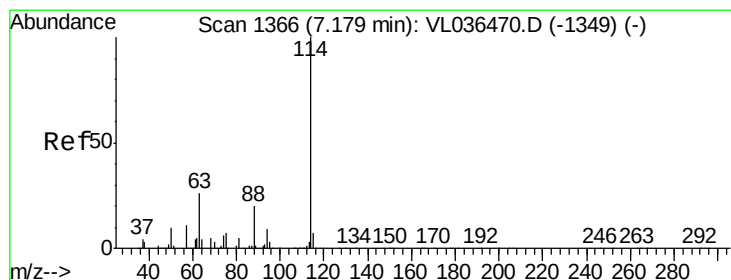
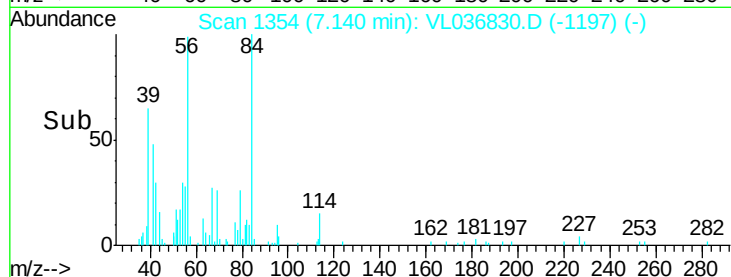
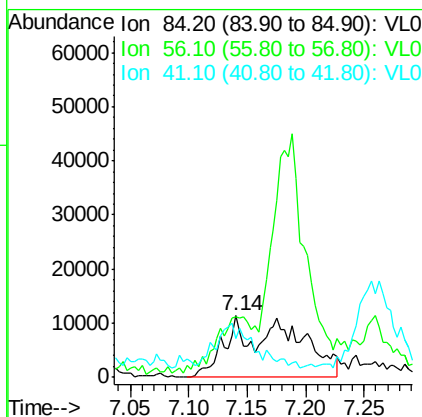
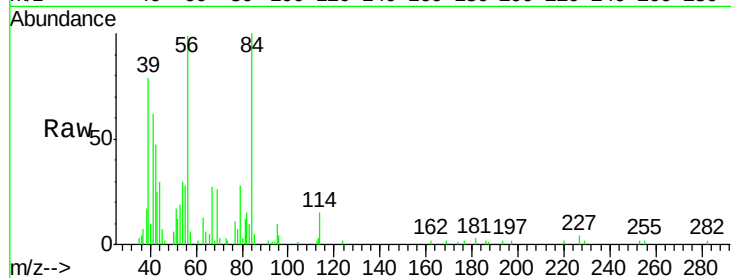


#30
Cyclohexane
Concen: 0.374 ppbv m
RT: 7.14
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Apr 2021 20:35

Tot Ion:
Ion Ratio
84 100
56 0.
41 58.

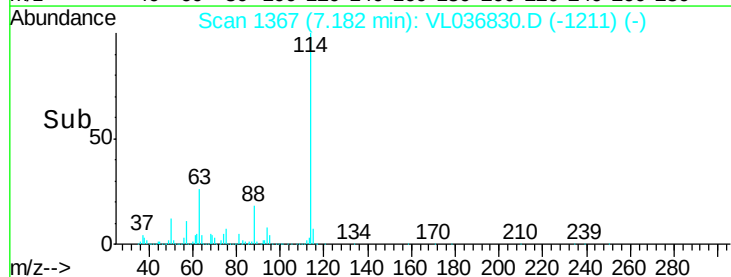
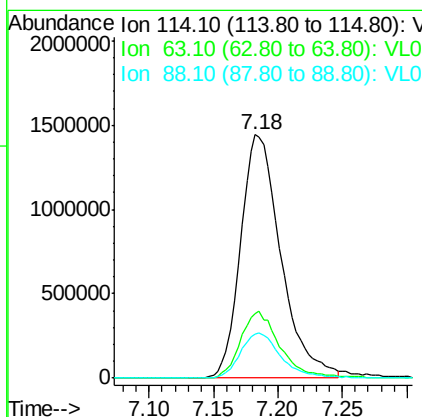
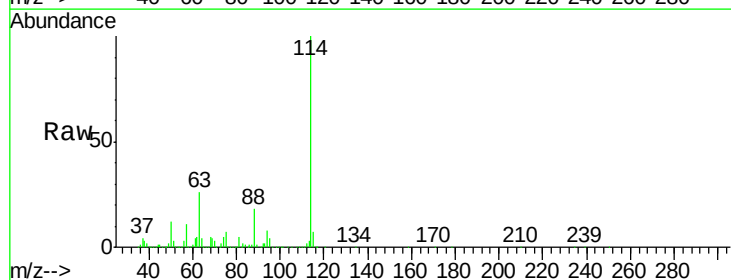
Manual Integrations
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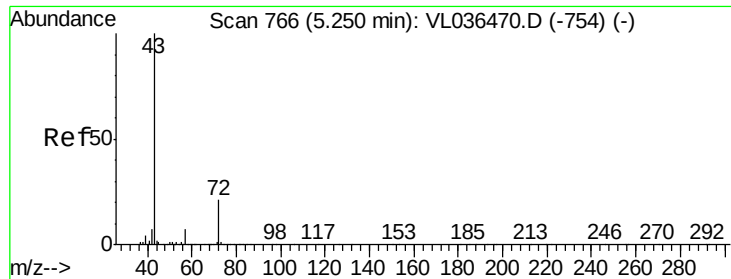
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T.: 0.00 min
Lab File: VL036830.D
Acq: 20 Apr 2021 20:35

Tgt Ion:114 Resp: 3146139
Ion Ratio Lower Upper
114 100
63 27.2 22.4 33.6
88 18.7 15.4 23.0



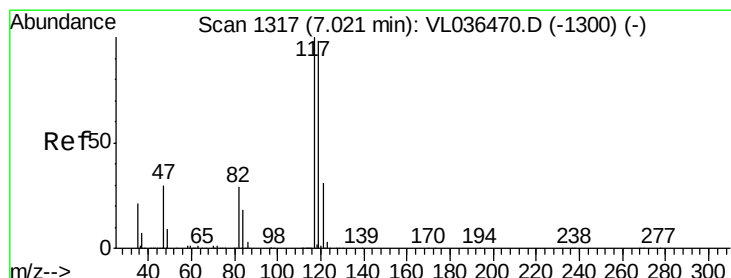
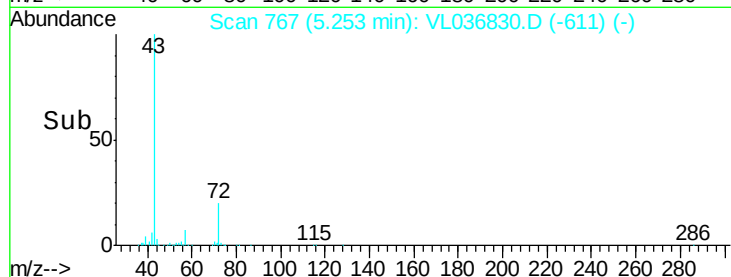
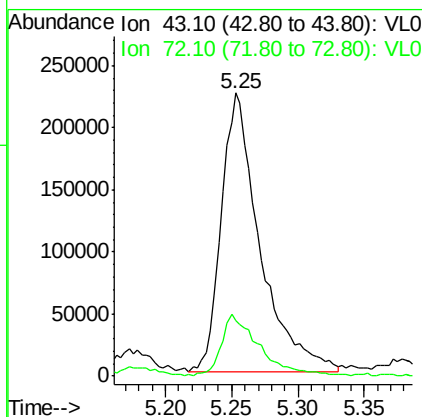
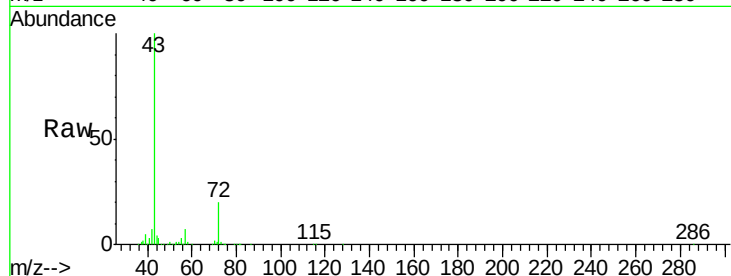


#34
2-Butanone
Concen: 2.975 ppbv
RT: 5.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Apr 2021 20:35

Tot Ion:
Ion Ratio
43 100
72 21.

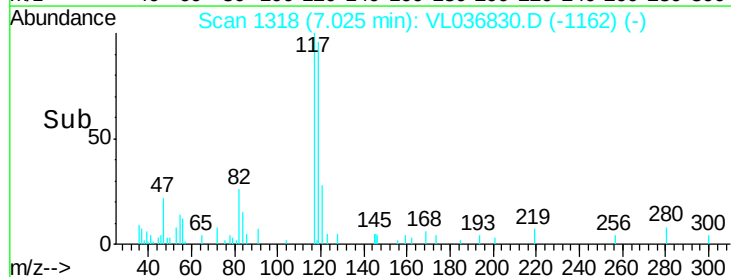
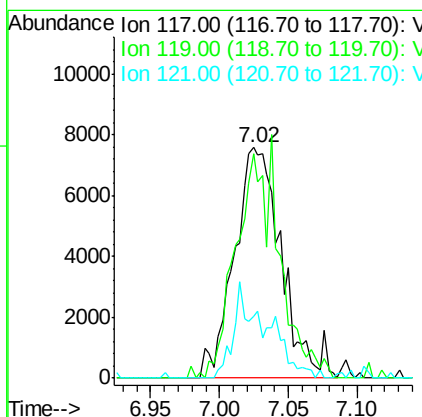
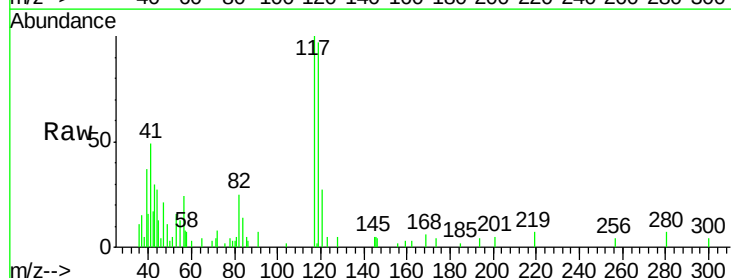
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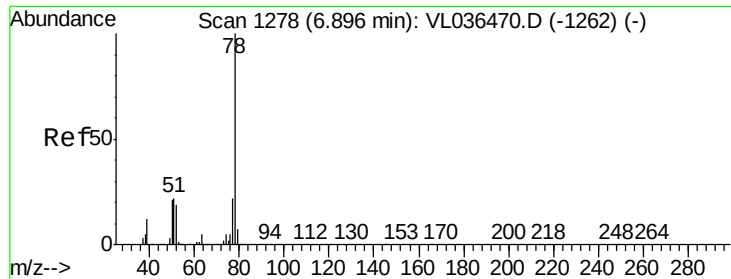
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL036830.D
Acq: 20 Apr 2021 20:35

Tgt Ion:117 Resp: 17928
Ion Ratio Lower Upper
117 100
119 97.1 78.2 117.2
121 26.7 24.5 36.7



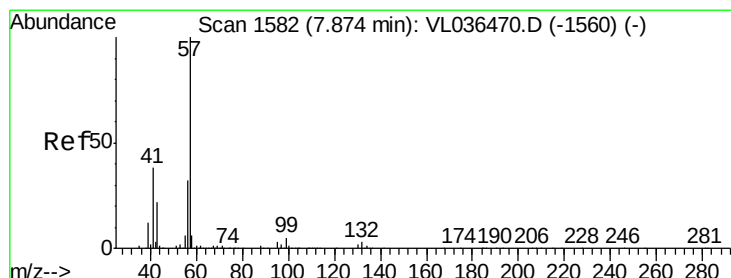
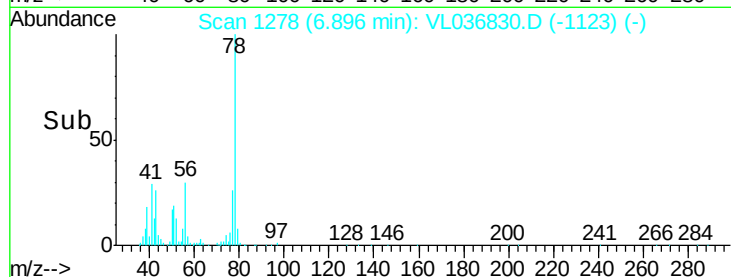
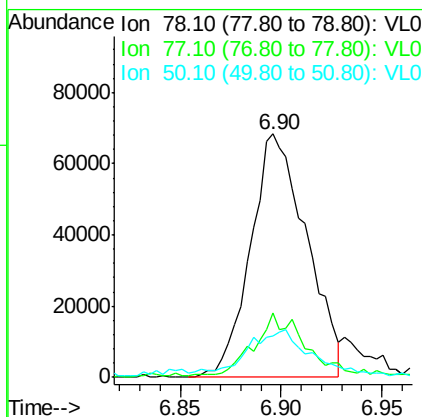
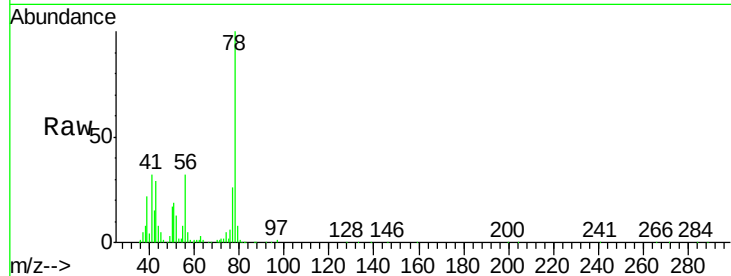


#36
Benzene
Concen: 0.455 ppbv
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Apr 2021 20:35

Tot Ion:
Ion Ratio
78 100
77 25.
50 15.

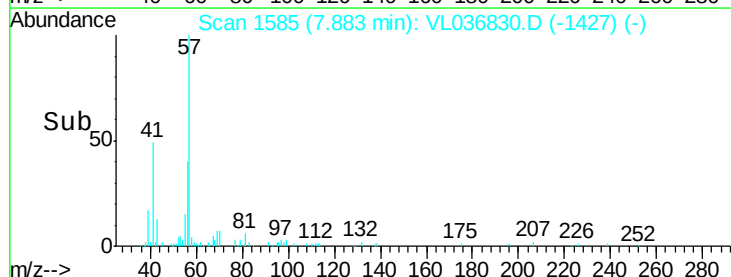
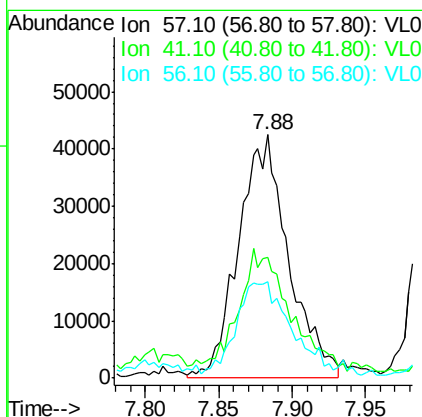
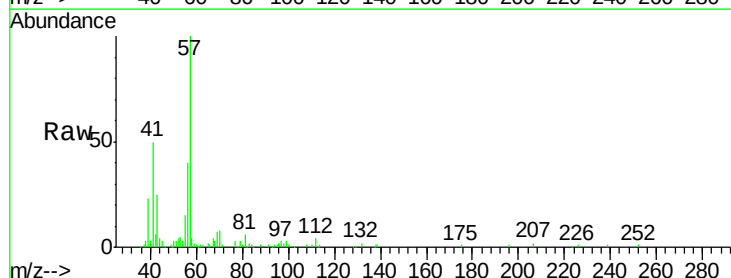
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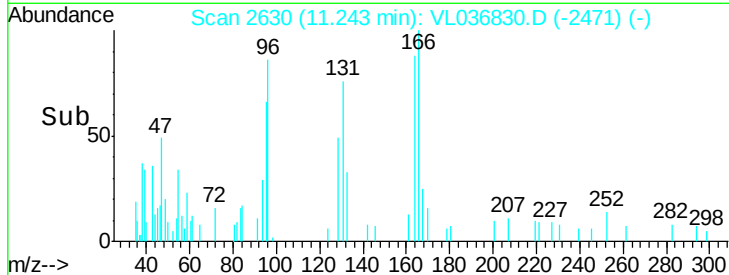
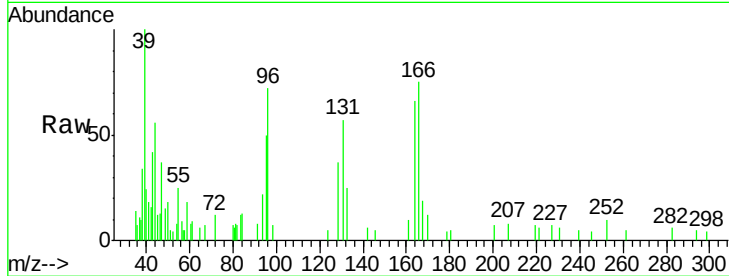
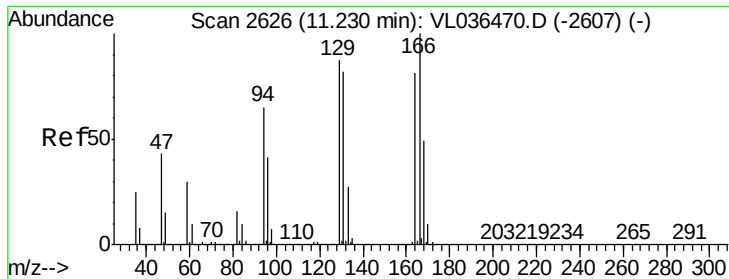
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#44
2,2,4-Trimethylpentane
Concen: 0.198 ppbv m
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL036830.D
Acq: 20 Apr 2021 20:35

Tgt Ion: 57 Resp: 100873
Ion Ratio Lower Upper
57 100
41 52.0 28.8 43.2#
56 0.0 26.1 39.1#





#52

Tetrachloroethene

Concen: 0.038 ppbv m

RT: 11.24

Delta R.T. MSVOA_L

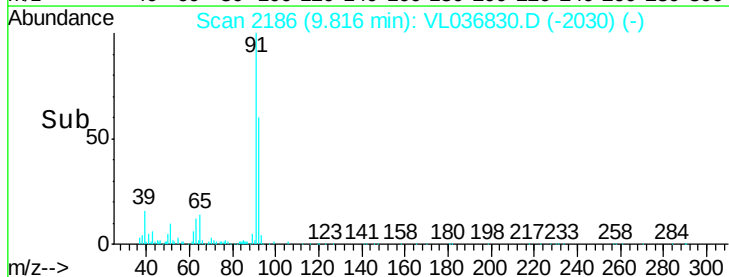
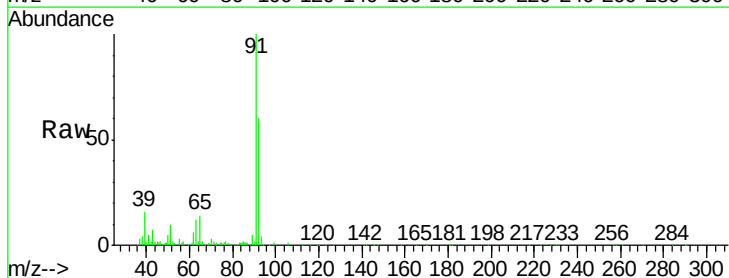
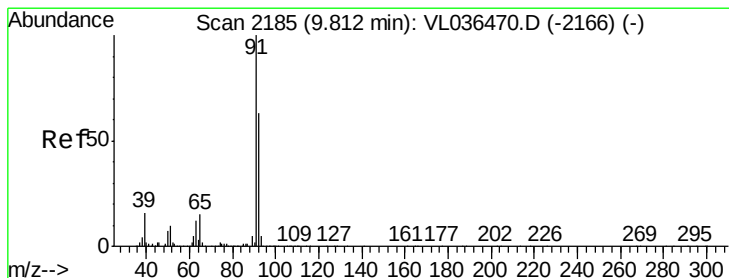
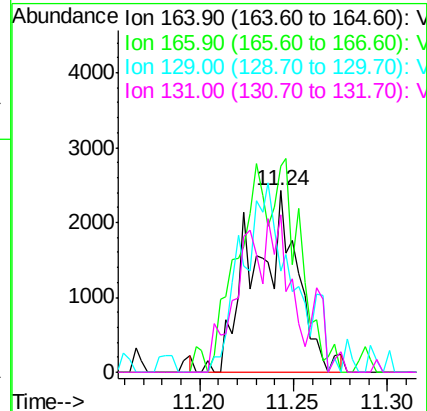
Lab File: ClientSampleId :

Acq: 20 Apr 2021 20:35

Tot Ion:1
Ion Ratio
164 100
166 113.
129 56.
131 86.7 80.9 121.3

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



#53

Toluene

Concen: 1.164 ppbv

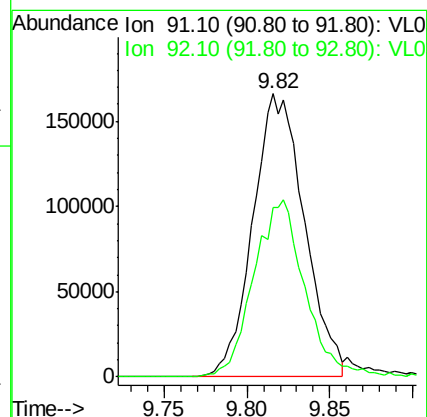
RT: 9.82 min Scan# 2186

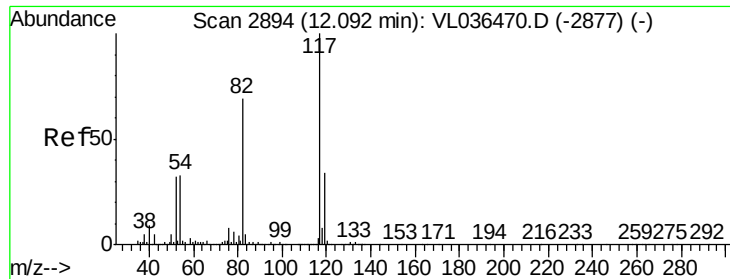
Delta R.T. 0.00 min

Lab File: VL036830.D

Acq: 20 Apr 2021 20:35

Tgt Ion: 91 Resp: 359637
Ion Ratio Lower Upper
91 100
92 62.5 48.8 73.2



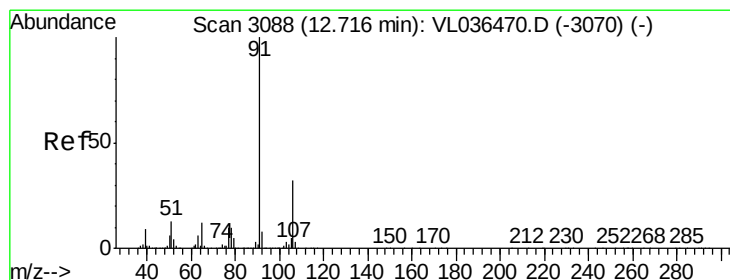
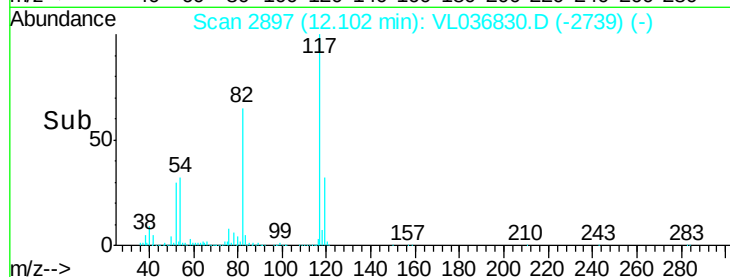
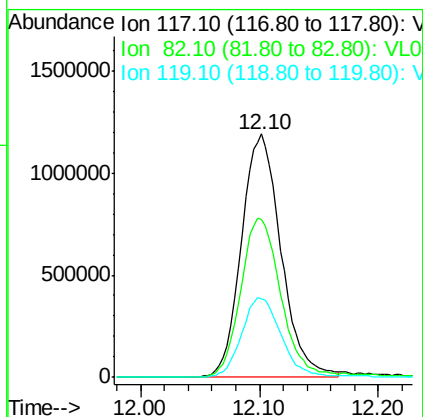
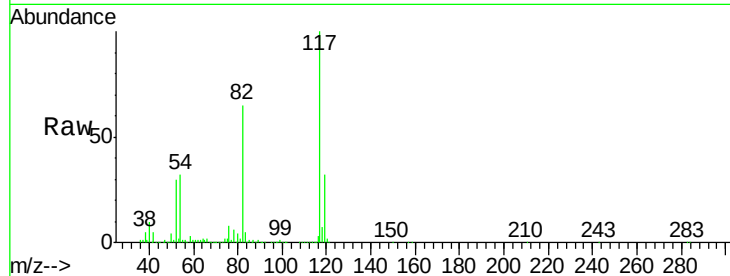


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Apr 2021 20:35

Tot Ion: 1
Ion Ratio
117 100
82 69.
119 33.

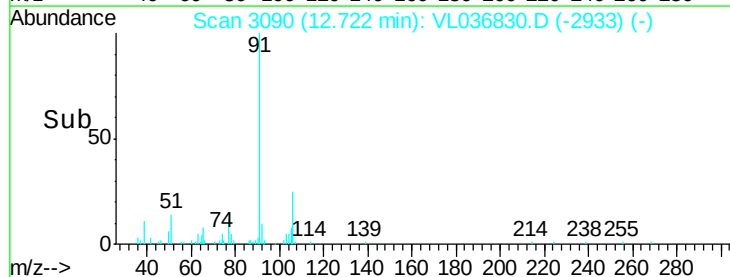
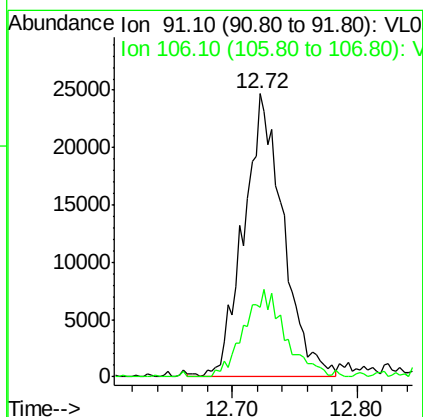
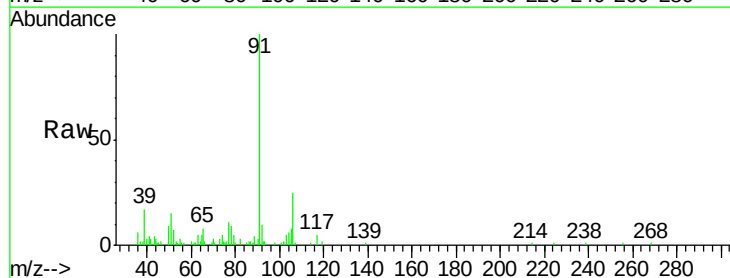
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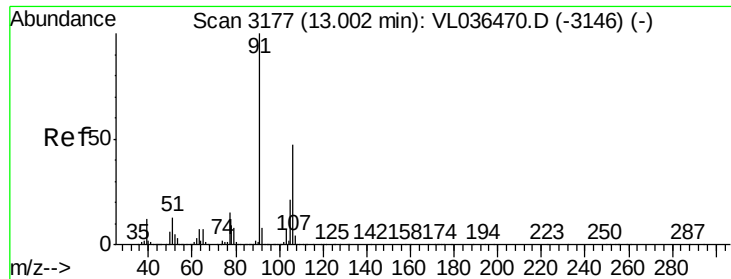
Reviewed By : Semsettin Yesilyurt 04/21/2021
Supervised By : Mahesh Dadoda 04/21/2021



#58
Ethyl Benzene
Concen: 0.136 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T.: 0.01 min
Lab File: VL036830.D
Acq: 20 Apr 2021 20:35

Tgt Ion: 91 Resp: 54206
Ion Ratio Lower Upper
91 100
106 24.7 25.3 37.9#



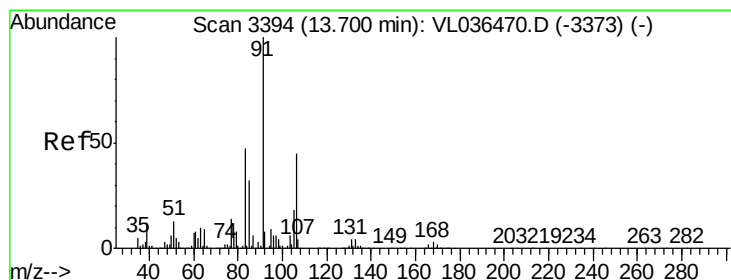
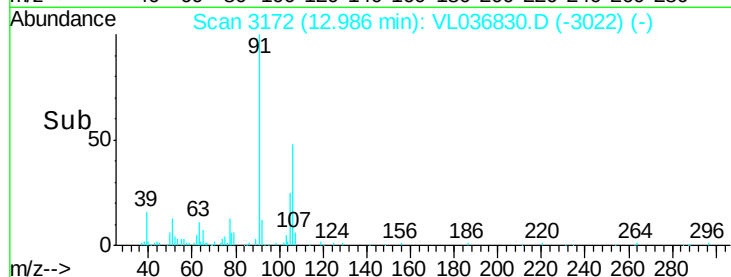
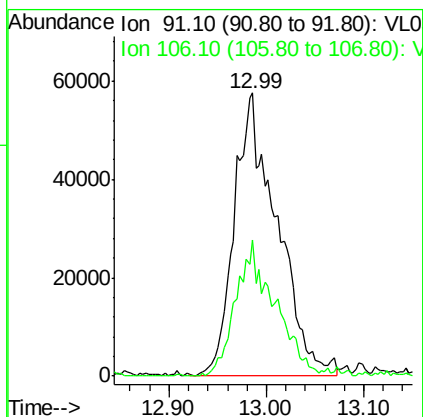
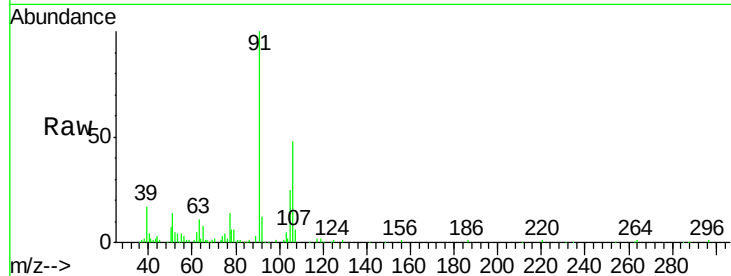


#59
m/p-Xylene
Concen: 0.504 ppbv m
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Apr 2021 20:35

Tot Ion:
Ion Ratio
91 100
106 0.

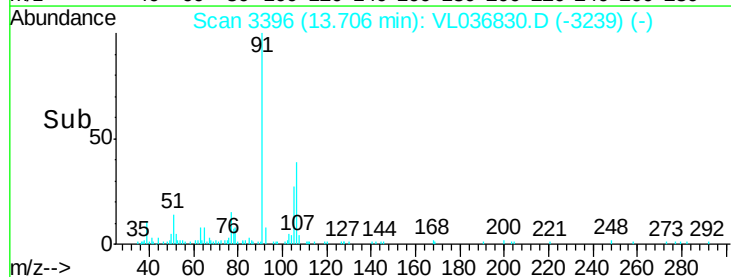
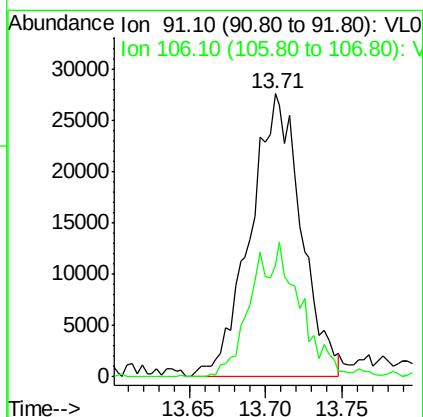
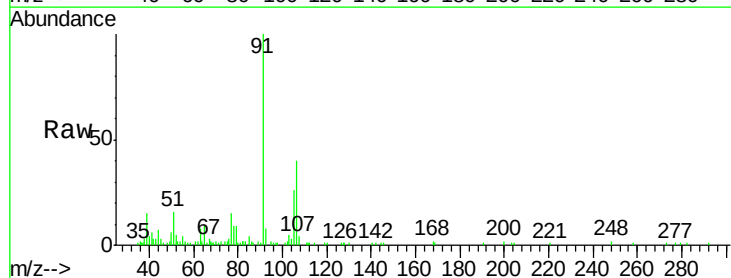
Manual Integrations
APPROVED

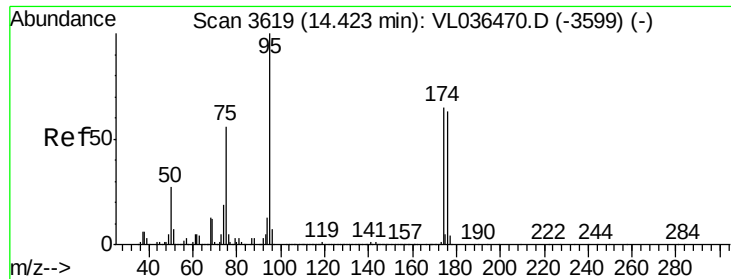
Reviewed By :Semsettin Yesilyurt 04/21/2021
Supervised By :Mahesh Dadoda 04/21/2021



#60
o-Xylene
Concen: 0.191 ppbv m
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL036830.D
Acq: 20 Apr 2021 20:35

Tgt Ion: 91 Resp: 64100
Ion Ratio Lower Upper
91 100
106 46.4 22.3 66.9



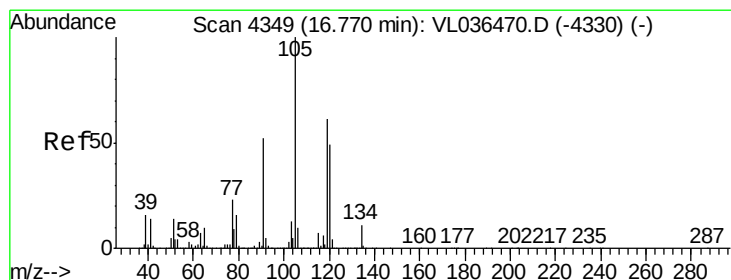
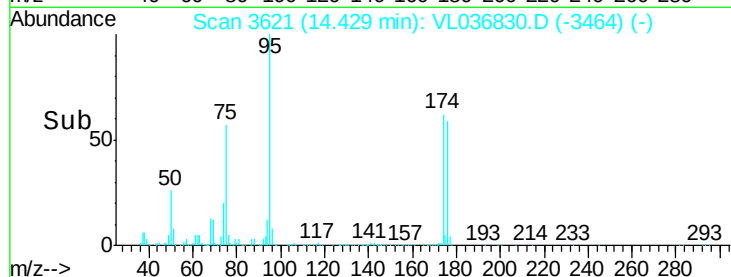
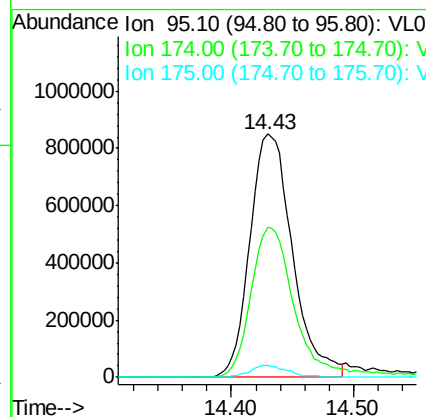
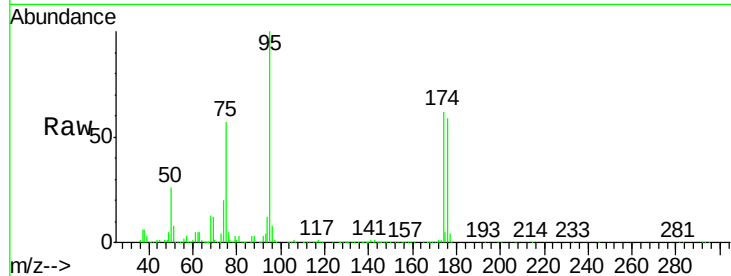


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.400 ppbv
 RT: 14.43 min
 Delta R.T.: 0.01 min
 Lab File: VL036470.D
 Acq: 20 Apr 2021 20:35

Manual Integrations
 APPROVED

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

Tot Ion:
 Ion Ratio
 95 100
 174 65.
 175 4.



#74
 1,2,4-Trimethylbenzene
 Concen: 0.257 ppbv m
 RT: 16.78 min Scan# 4352
 Delta R.T.: 0.01 min
 Lab File: VL036830.D
 Acq: 20 Apr 2021 20:35

Tgt Ion: 105 Resp: 94555
 Ion Ratio Lower Upper
 105 100
 120 32.8 39.2 58.8#
 91 14.5 42.6 64.0#
 77 14.1 18.6 28.0#

