

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037716.D
 Acq On : 28 Sep 2021 23:48
 Operator : SY/AP
 Sample : M3948-04DL2 57X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021
 Supervised By :Amit Patel 10/01/2021

Quant Time: Sep 29 21:09:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1380239	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4092535	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3510722	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2684686	10.58	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	425317	4.631	ppbv	95
10) Heptane	8.12	43	38867m	0.181	ppbv	
15) Acetone	3.85	43	3740544	26.084	ppbv	100
30) Cyclohexane	7.14	84	50023m	0.355	ppbv	
34) 2-Butanone	5.26	43	402385	2.419	ppbv	96
36) Benzene	6.90	78	144468m	0.423	ppbv	
38) Trichloroethene	7.84	130	29703m	0.208	ppbv	
52) Tetrachloroethene	11.22	164	29544m	0.226	ppbv	
53) Toluene	9.81	91	61502m	0.162	ppbv	
58) Ethyl Benzene	12.72	91	76795	0.165	ppbv	95
59) m/p-Xylene	12.97	91	413059m	1.017	ppbv	
60) o-Xylene	13.69	91	197854	0.512	ppbv	99
62) Isopropylbenzene	14.67	105	112508	0.208	ppbv	97
64) n-propylbenzene	15.56	120	19578m	0.140	ppbv	
69) p-Isopropyltoluene	17.65	119	81580m	0.151	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	107436m	0.260	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	284400m	0.653	ppbv	

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

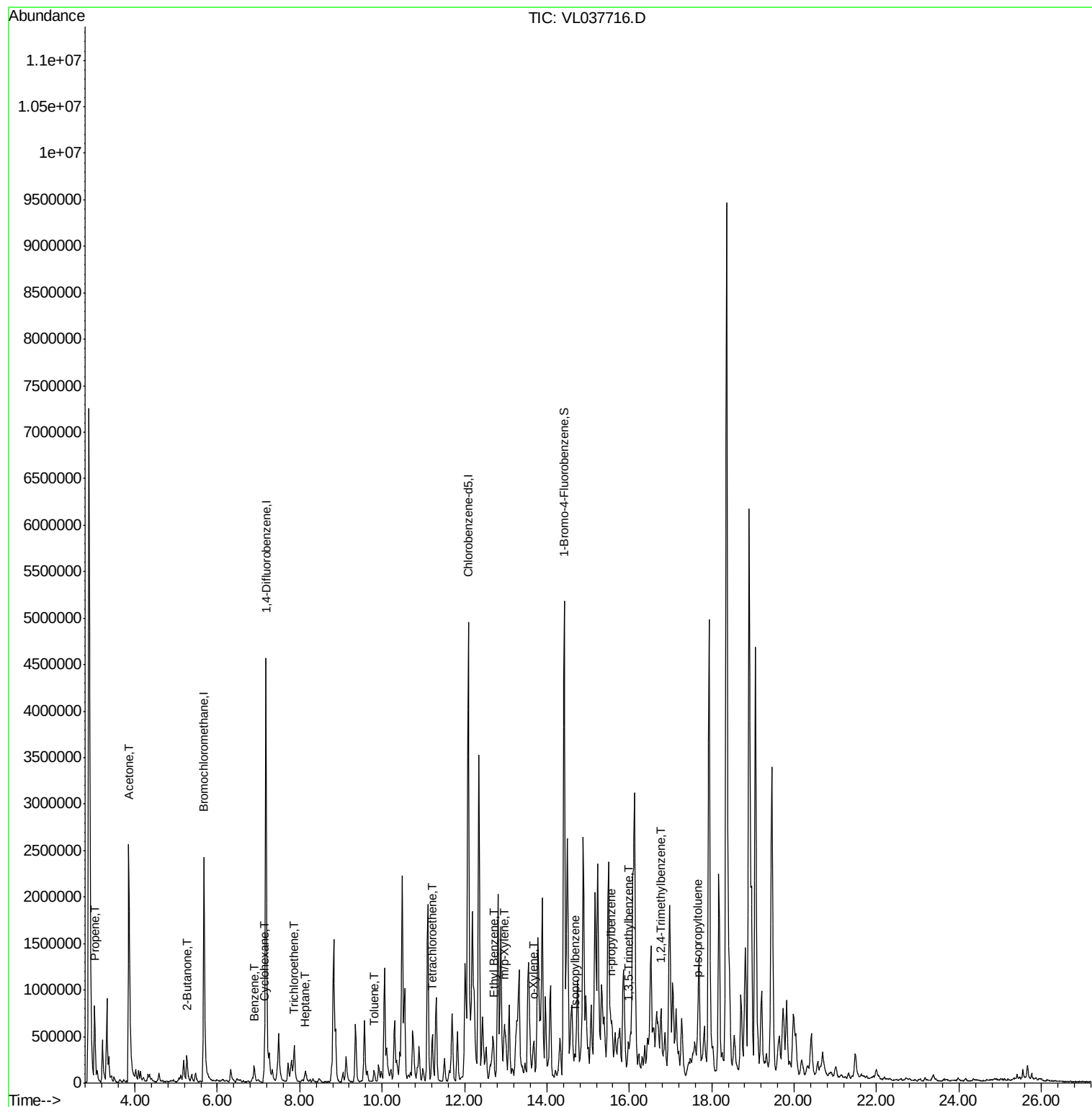
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
Data File : VL037716.D
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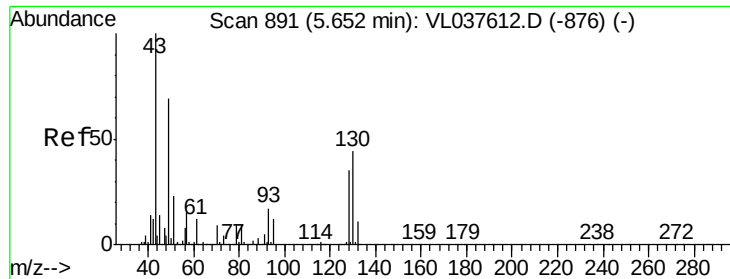
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Manual Integrations
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Quant Time: Sep 29 21:09:51 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621
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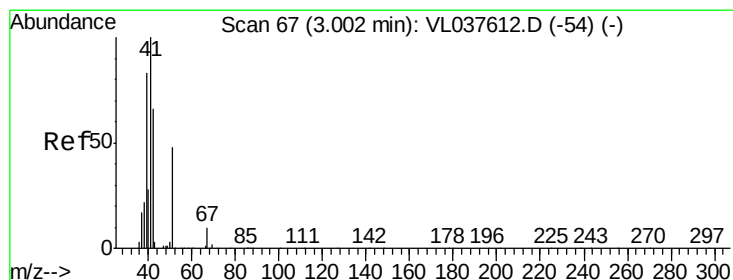
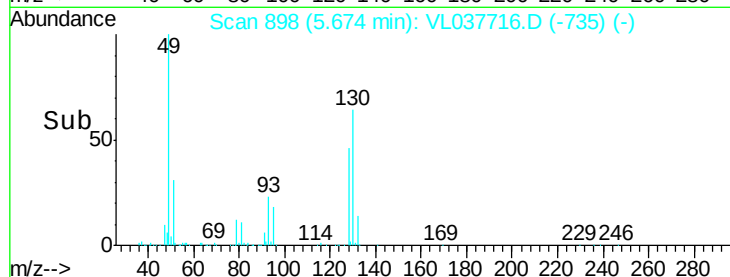
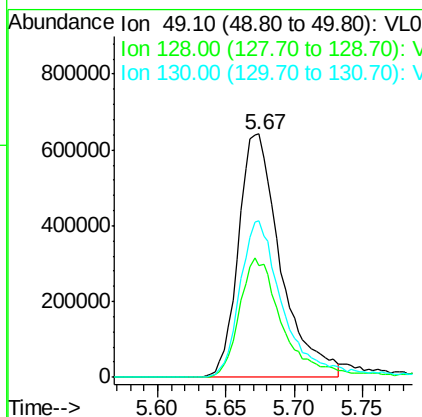
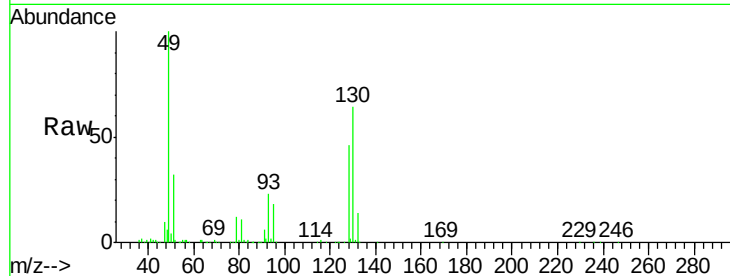


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV4DL2
 Acq: 28 Sep 2021 23:48

Tgt Ion:
 Ion Ratio
 49 100
 128 50.
 130 68.

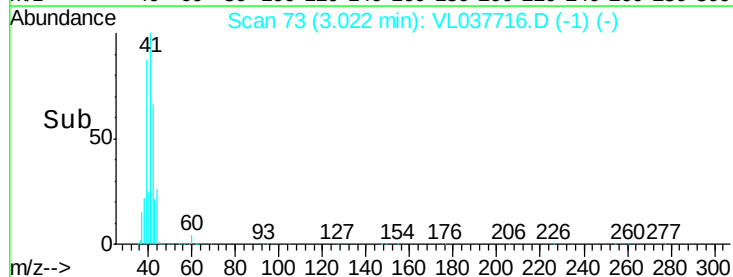
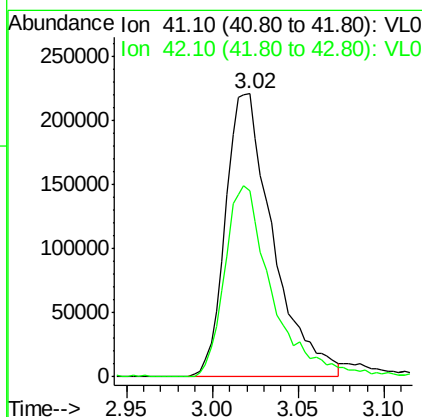
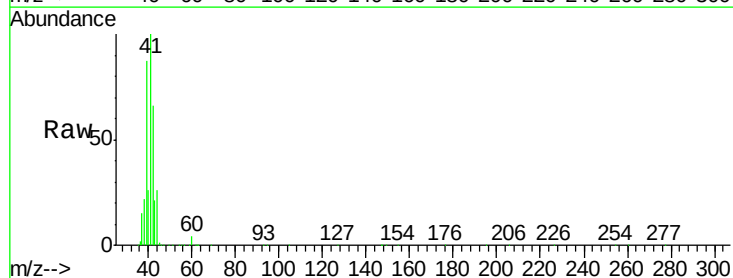
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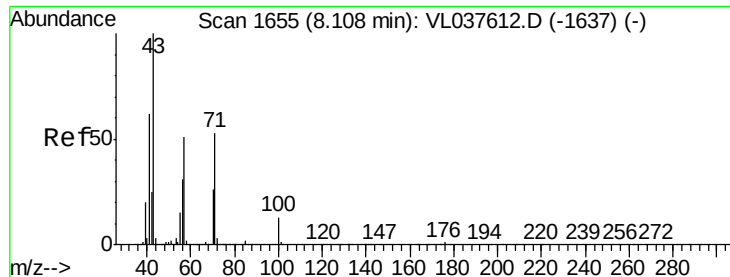
Reviewed By :Semsettin Yesilyurt 09/29/2021
 Supervised By :Amit Patel 10/01/2021



#9
 Propene
 Concen: 4.631 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: VL037716.D
 Acq: 28 Sep 2021 23:48

Tgt Ion: 41 Resp: 425317
 Ion Ratio Lower Upper
 41 100
 42 67.3 57.2 85.8





#10

Heptane

Concen: 0.181 ppbv m

RT: 8.12 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:48 SV4DL2

Tgt Ion:

Ion Ratio

43 100

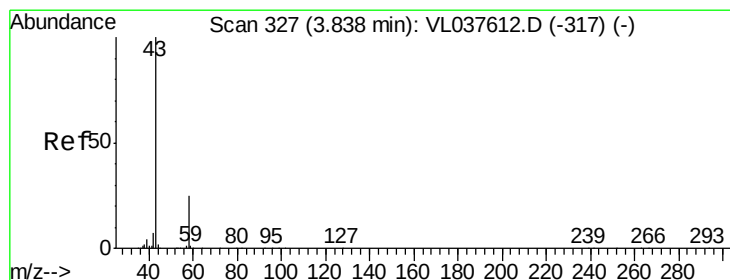
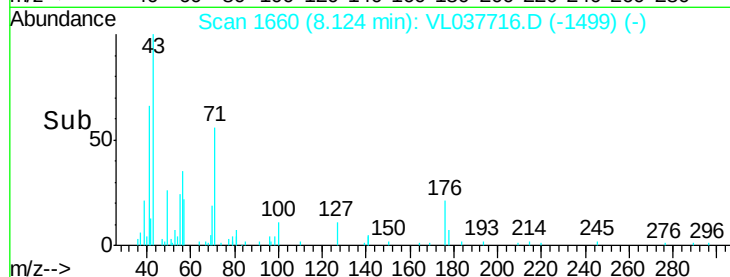
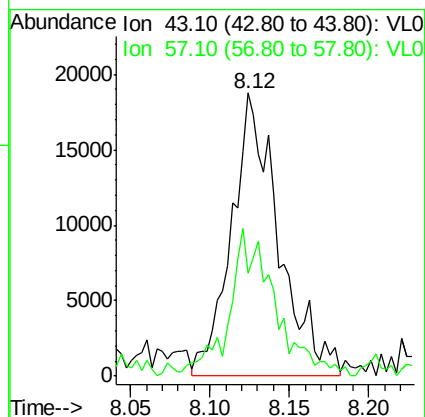
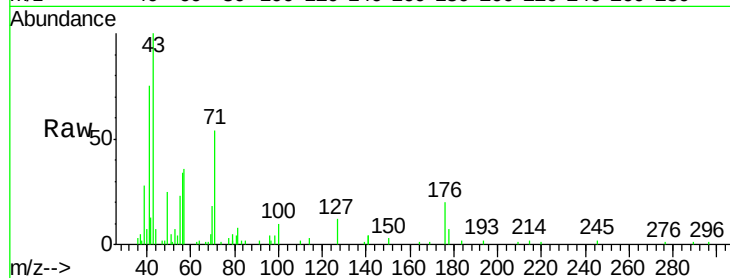
57 0.

Manual Integrations

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#15

Acetone

Concen: 26.084 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037716.D

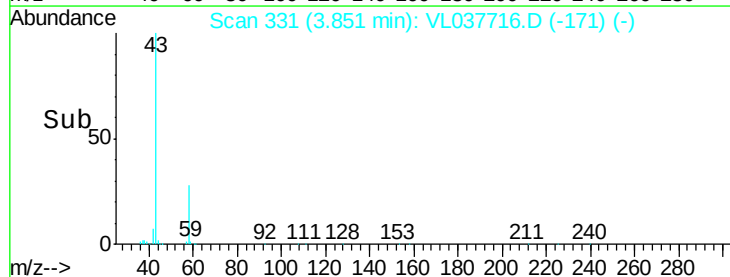
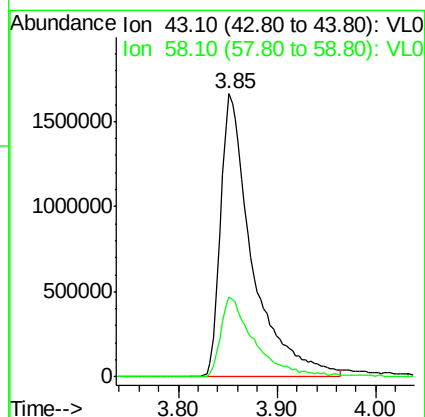
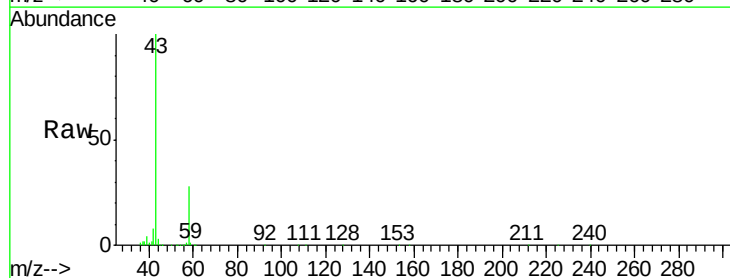
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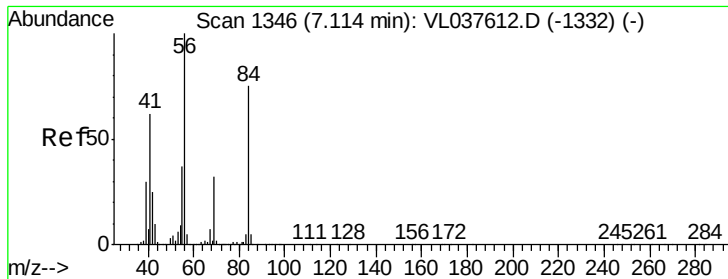
Tgt Ion: 43 Resp: 3740544

Ion Ratio Lower Upper

43 100

58 31.0 24.9 37.3



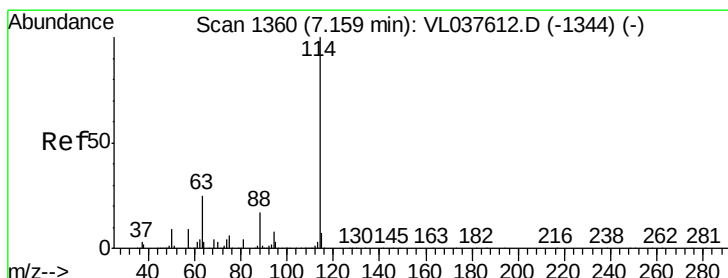
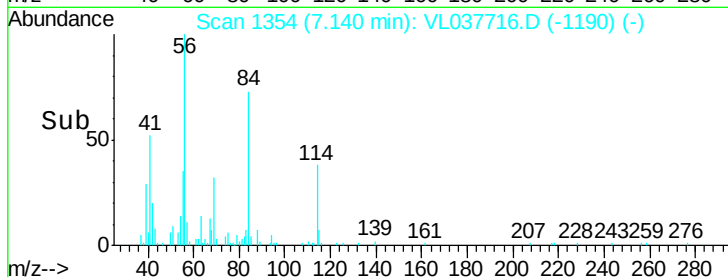
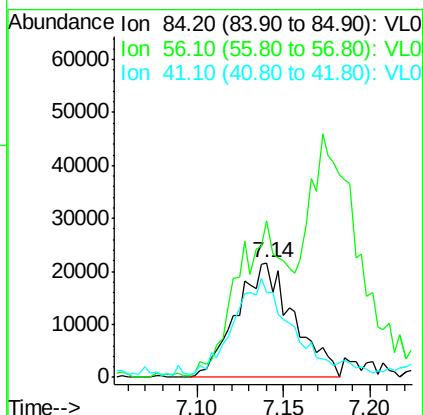
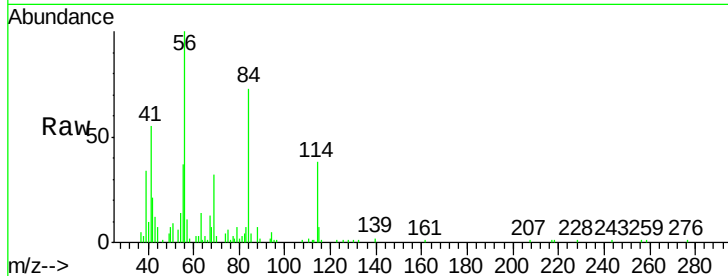


#30
Cyclohexane
Concen: 0.355 ppbv m
RT: 7.14
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV4DL2
Acq: 28 Sep 2021 23:48

Tgt Ion:
Ion Ratio
84 100
56 0.
41 88.

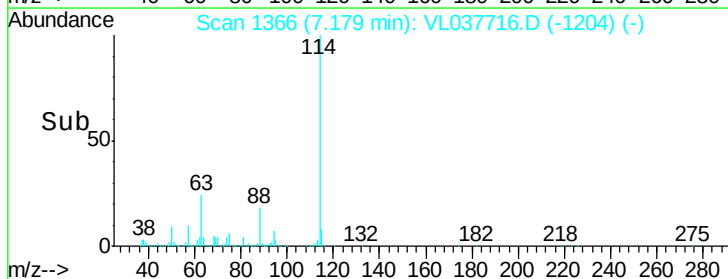
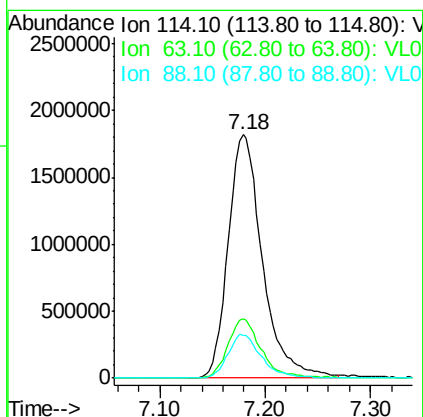
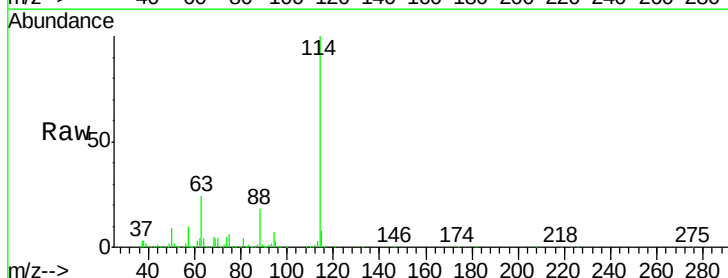
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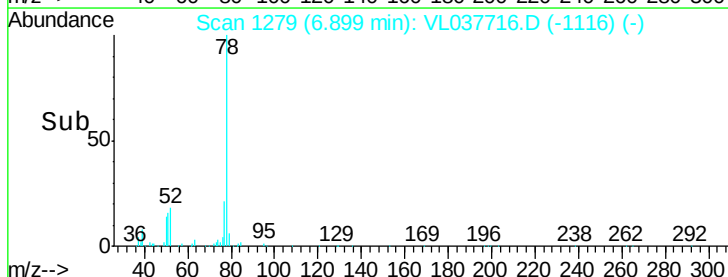
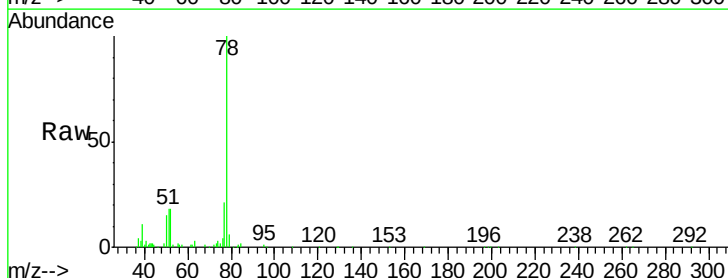
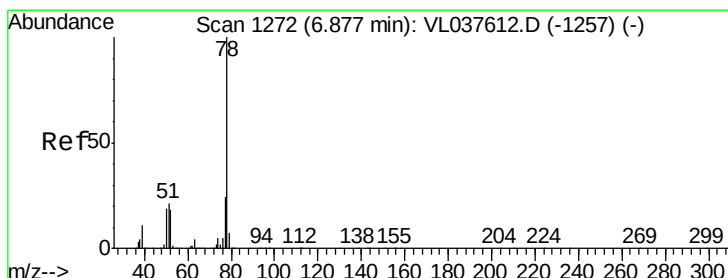
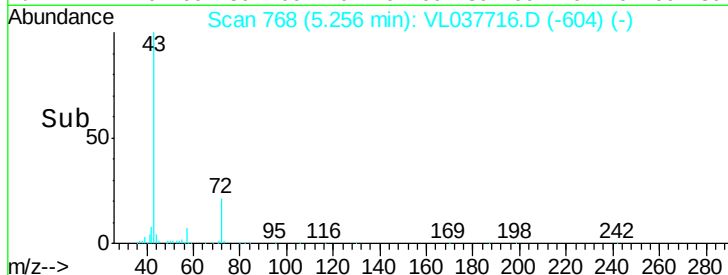
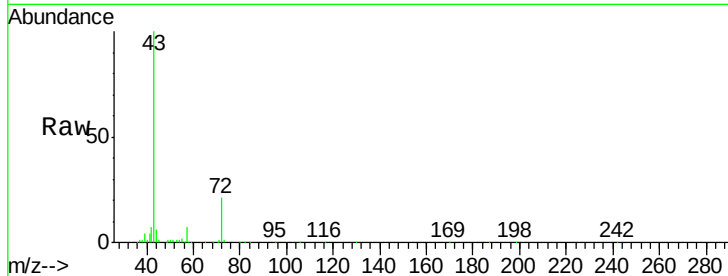
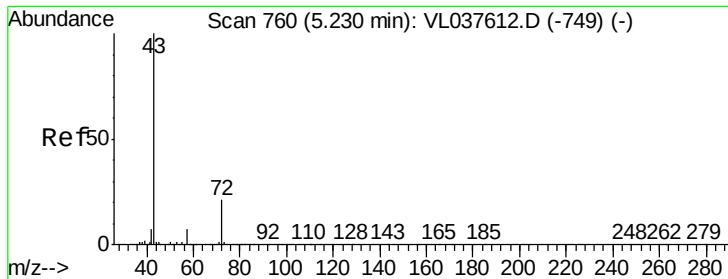
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL037716.D
Acq: 28 Sep 2021 23:48

Tgt Ion:114 Resp: 4092535
Ion Ratio Lower Upper
114 100
63 23.9 19.6 29.4
88 17.5 14.2 21.4



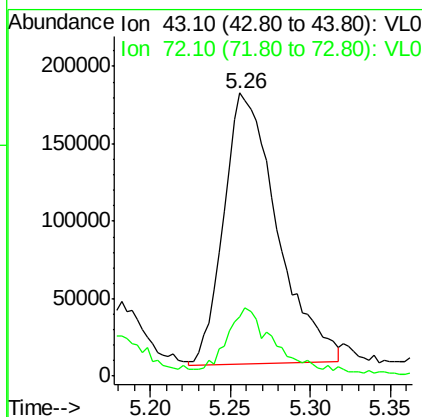


#34
2-Butanone
Concen: 2.419 ppbv
RT: 5.26
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV4DL2
Acq: 28 Sep 2021 23:48

Tgt Ion:
Ion Ratio
43 100
72 25.

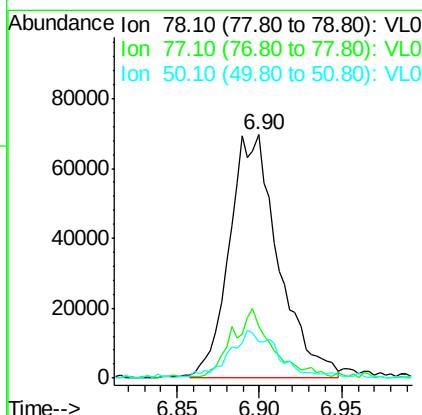
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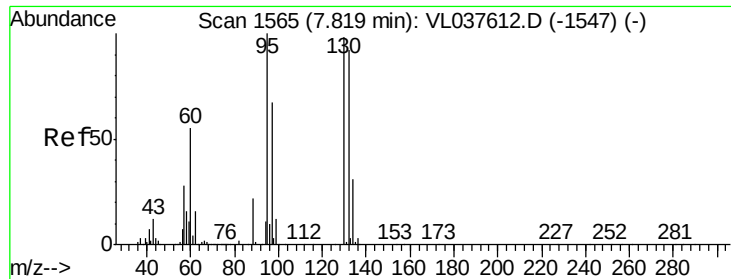
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#36
Benzene
Concen: 0.423 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VL037716.D
Acq: 28 Sep 2021 23:48

Tgt Ion: 78 Resp: 144468
Ion Ratio Lower Upper
78 100
77 21.1 19.0 28.4
50 14.9 14.8 22.2





#38

Trichloroethene

Concen: 0.208 ppbv m

RT: 7.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 23:48 SV4DL2

Tgt Ion:1

Ion Ratio

130 100

95 86.

132 74.

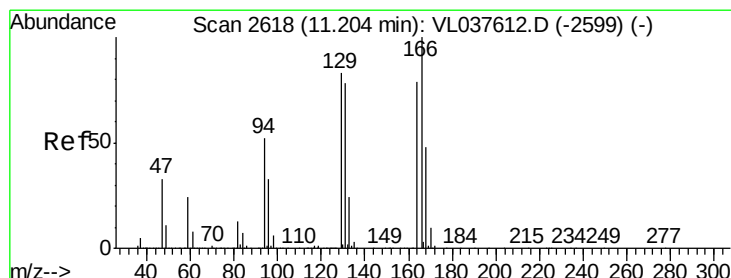
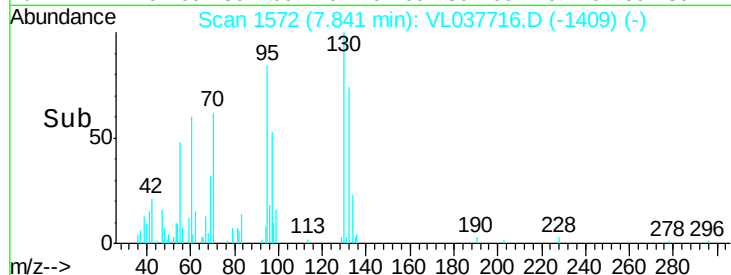
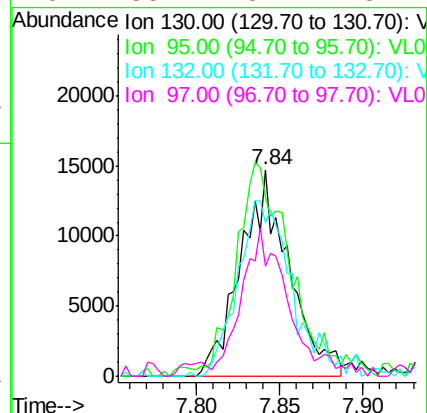
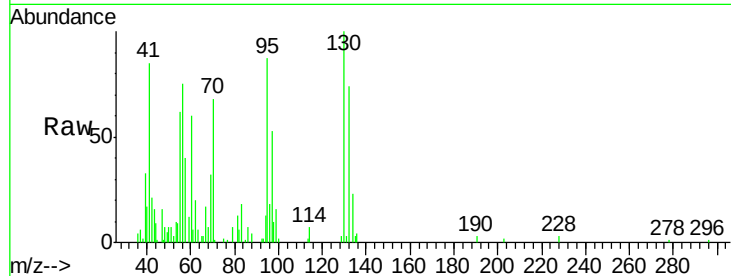
97 53.2 54.7 82.1#

Manual Integrations

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#52

Tetrachloroethene

Concen: 0.226 ppbv m

RT: 11.22 min Scan# 2624

Delta R.T. 0.02 min

Lab File: VL037716.D

Acq: 28 Sep 2021 23:48

Tgt Ion:164 Resp: 29544

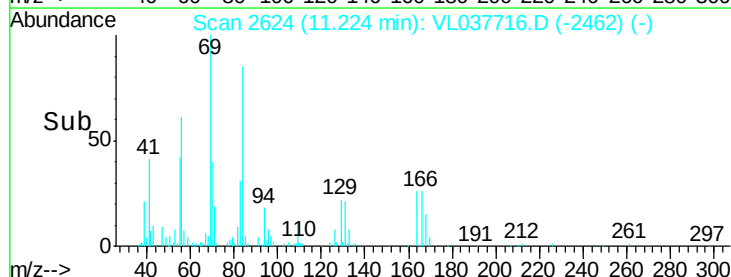
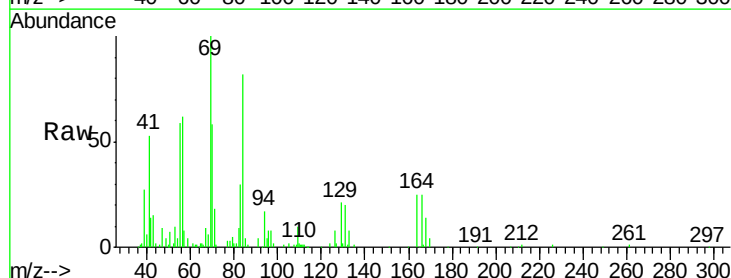
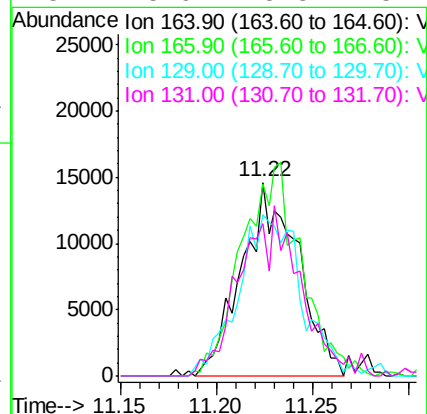
Ion Ratio Lower Upper

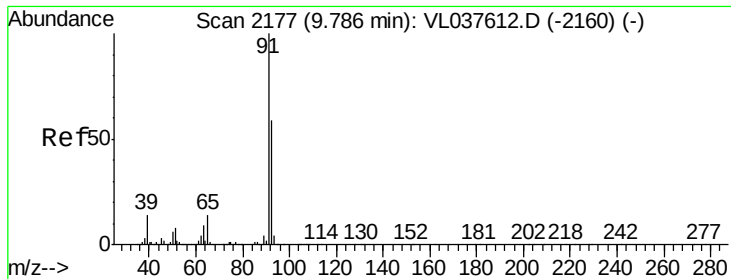
164 100

166 99.2 101.2 151.8#

129 83.1 84.0 126.0#

131 78.9 78.8 118.2





#53

Toluene

Concen: 0.162 ppbv m

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 23:48 SV4DL2

Tgt Ion:

Ion Ratio

91 100

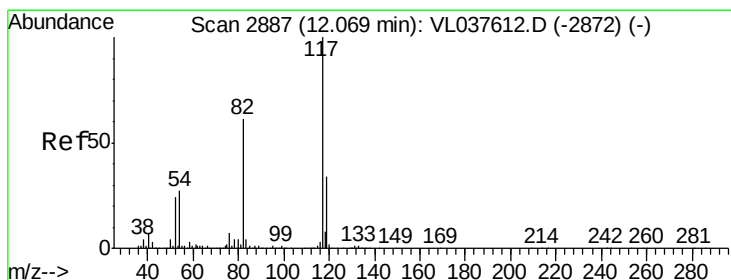
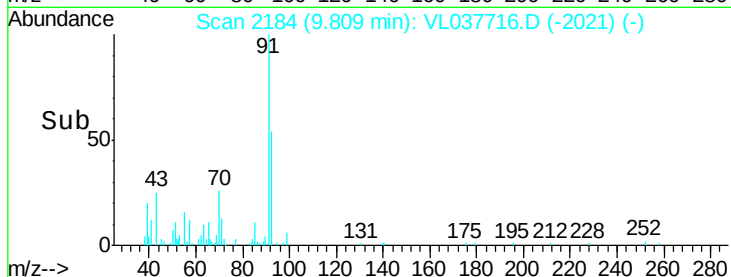
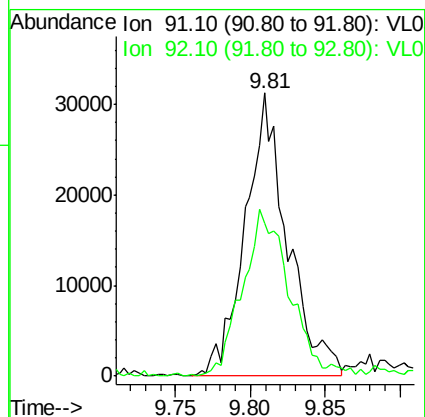
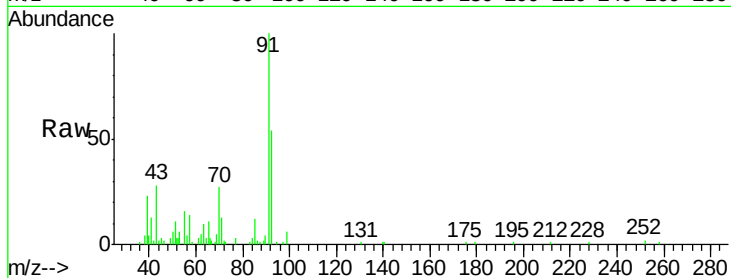
92 65.

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL037716.D

Acq: 28 Sep 2021 23:48

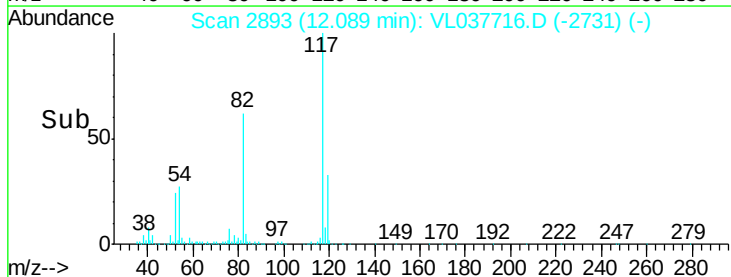
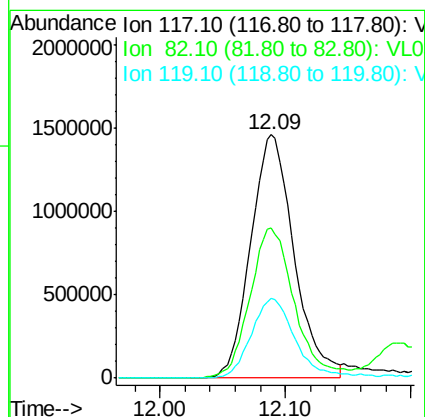
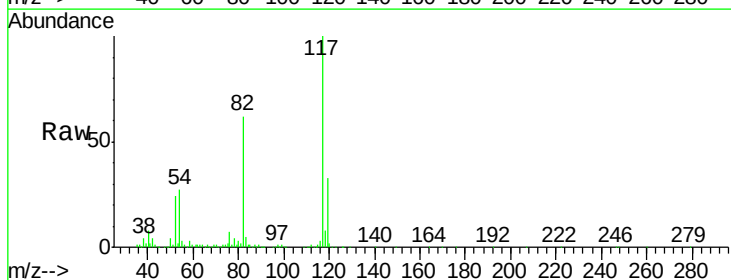
Tgt Ion:117 Resp: 3510722

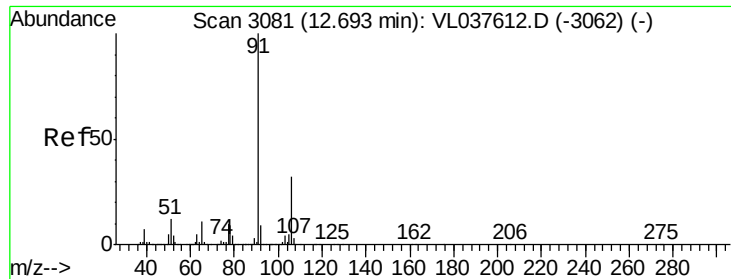
Ion Ratio Lower Upper

117 100

82 62.9 50.6 75.8

119 35.2 26.2 39.2





#58

Ethyl Benzene

Concen: 0.165 ppbv

RT: 12.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:48

Tgt Ion:

Ion Ratio

91 100

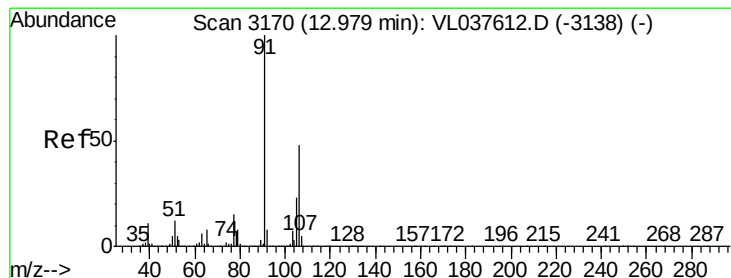
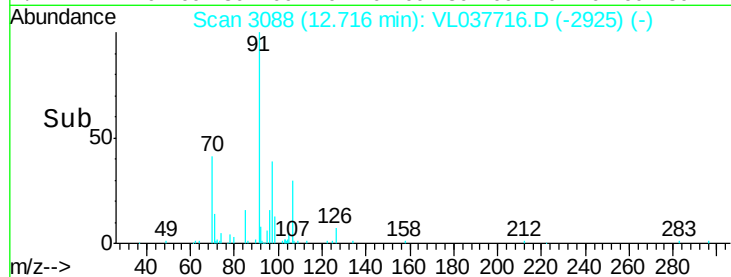
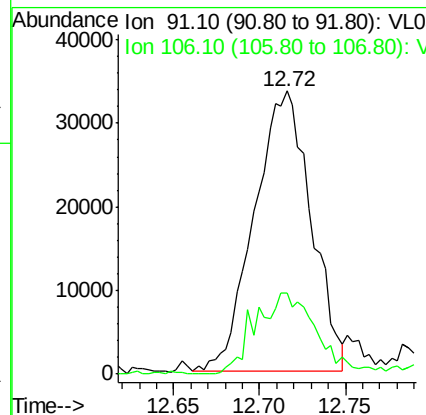
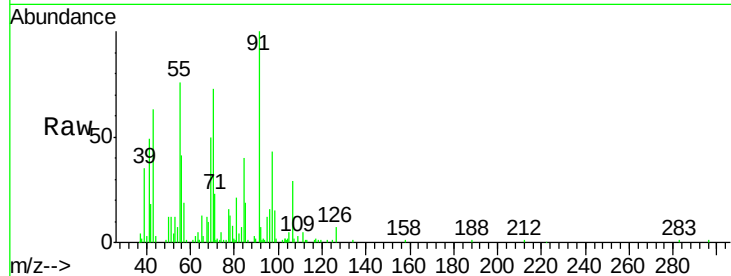
106 29.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021



#59

m/p-Xylene

Concen: 1.017 ppbv m

RT: 12.97 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VL037716.D

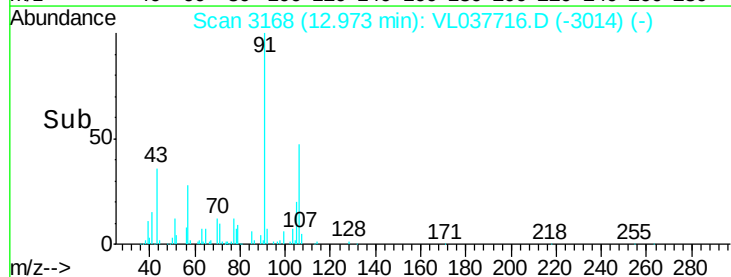
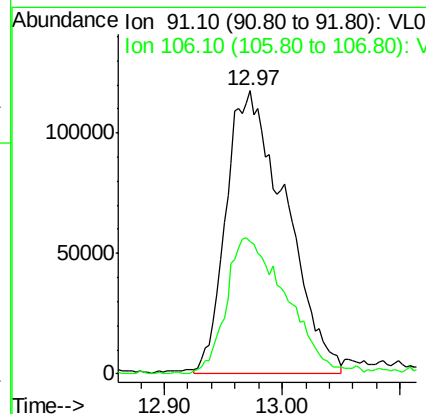
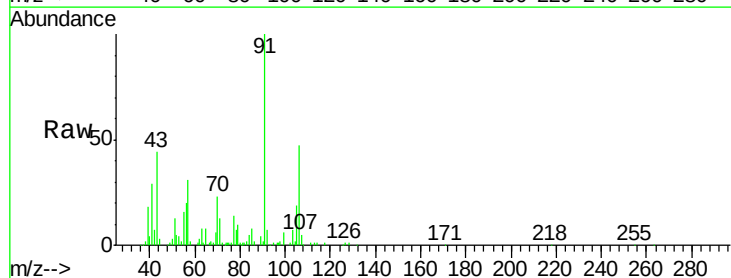
Acq: 28 Sep 2021 23:48

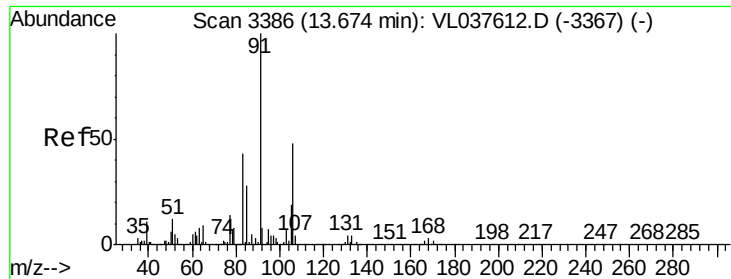
Tgt Ion: 91 Resp: 413059

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



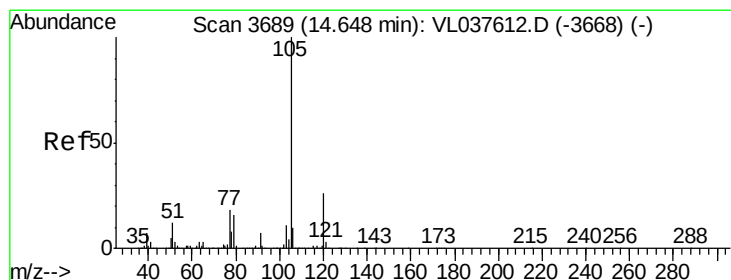
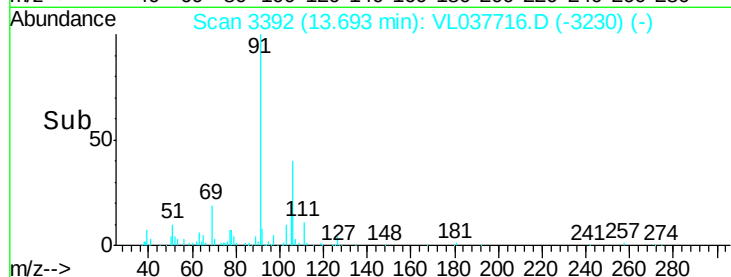
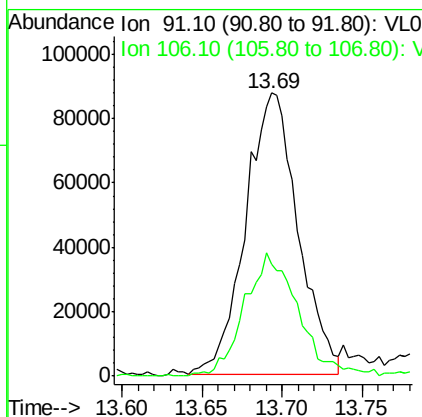
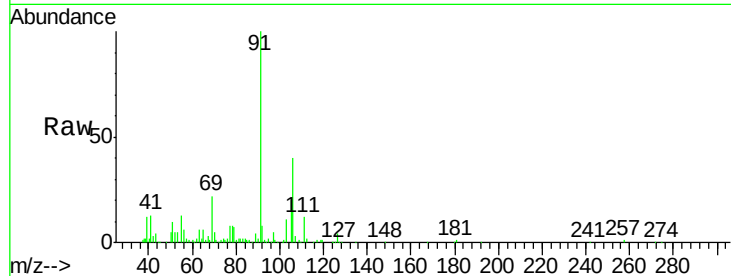


#60
o-Xylene
Concen: 0.512 ppbv
RT: 13.69 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV4DL2
Acq: 28 Sep 2021 23:48

Tgt Ion:
Ion Ratio
91 100
106 46.

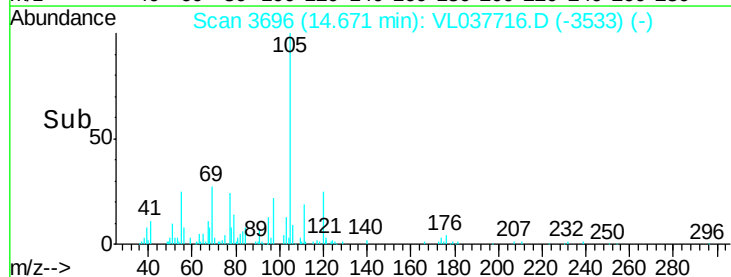
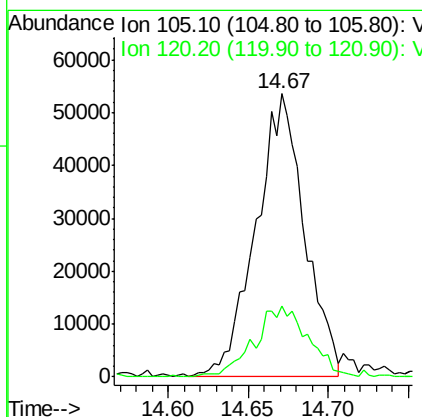
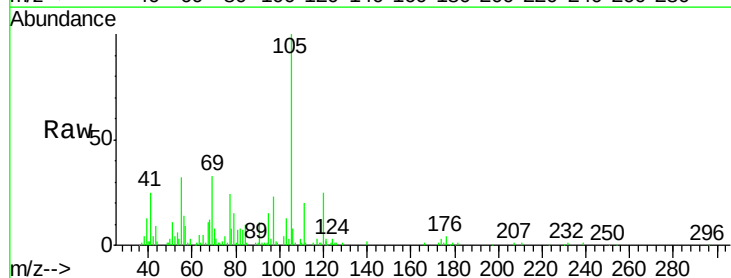
Manual Integrations
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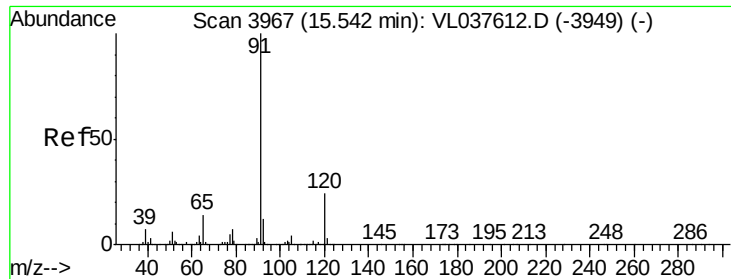
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#62
Isopropylbenzene
Concen: 0.208 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.02 min
Lab File: VL037716.D
Acq: 28 Sep 2021 23:48

Tgt Ion:105 Resp: 112508
Ion Ratio Lower Upper
105 100
120 28.0 21.4 32.0





#64

n-propylbenzene

Concen: 0.140 ppbv m

RT: 15.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:48

Tgt Ion:1

Ion Ratio

120 100

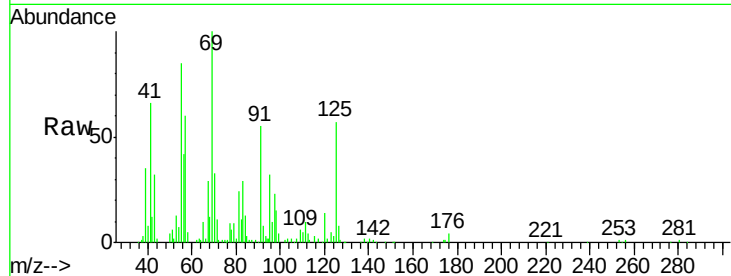
91 0.

Manual Integrations

APPROVED

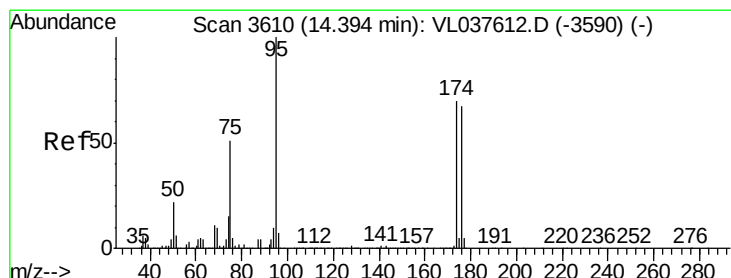
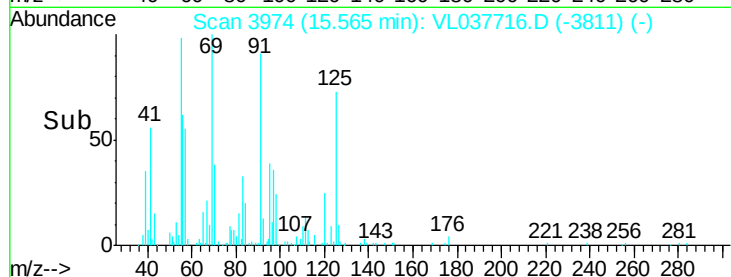
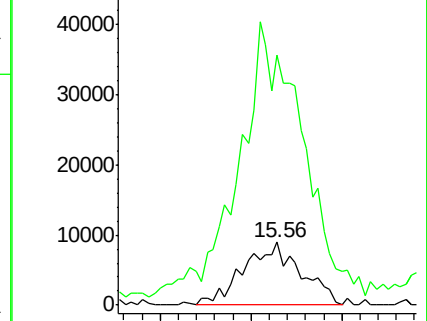
Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.581 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037716.D

Acq: 28 Sep 2021 23:48

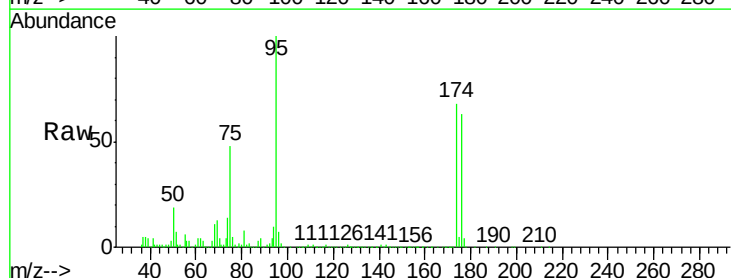
Tgt Ion: 95 Resp: 2684686

Ion Ratio Lower Upper

95 100

174 73.9 56.3 84.5

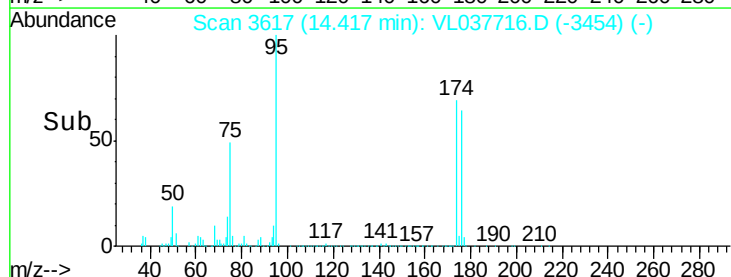
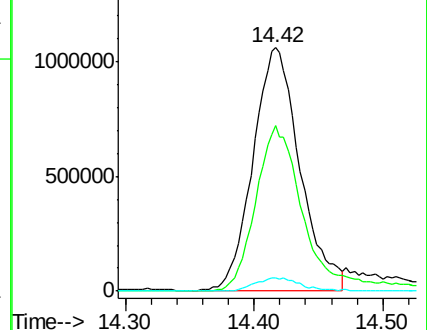
175 5.6 4.4 6.6

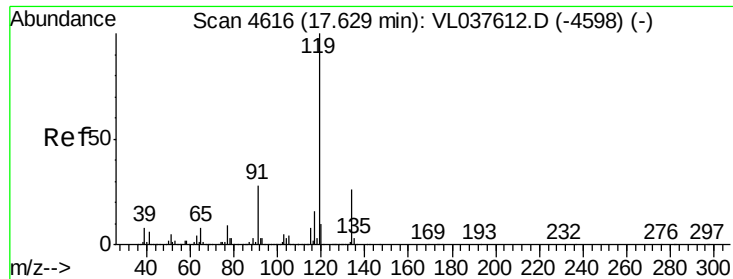


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



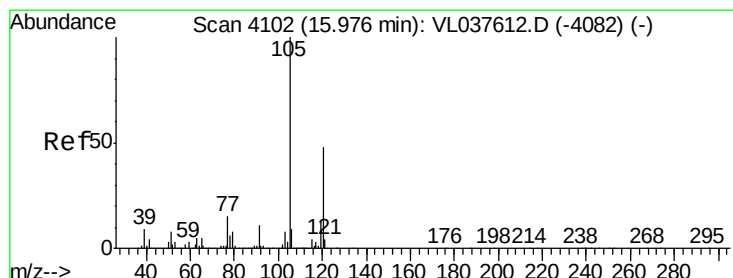
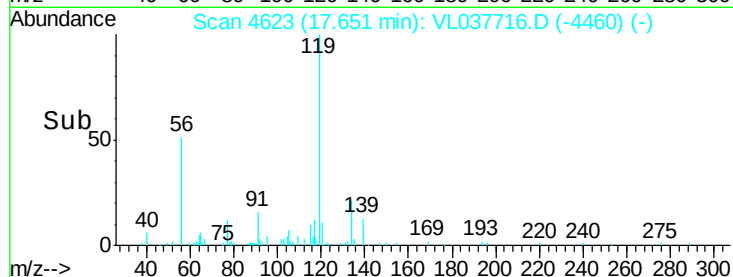
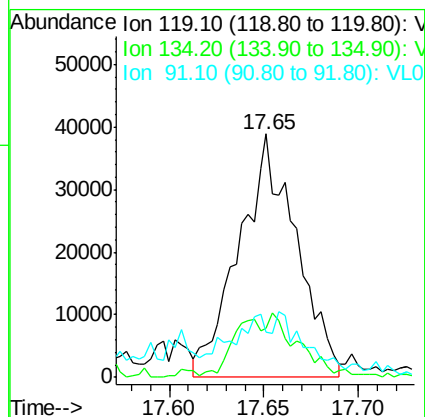
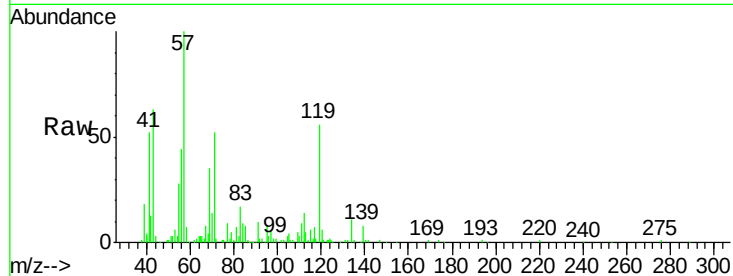


#69
 p-Isopropyltoluene
 Concen: 0.151 ppbv m
 RT: 17.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV4DL2
 Acq: 28 Sep 2021 23:48

Tgt Ion: 119
 Ion Ratio: 100
 119 100
 134 28.
 91 33.

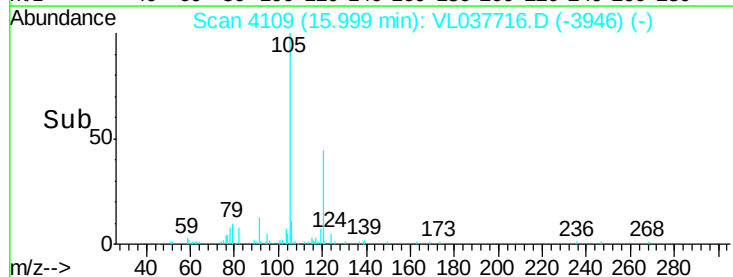
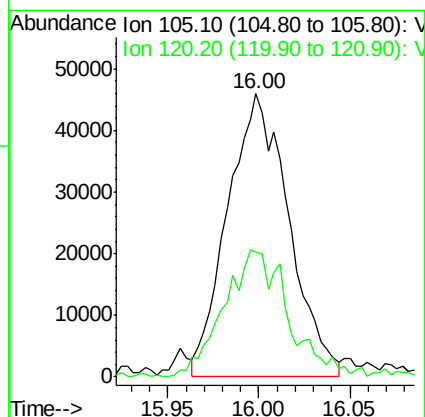
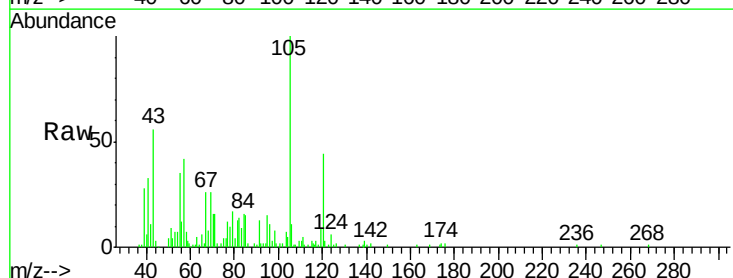
Manual Integrations
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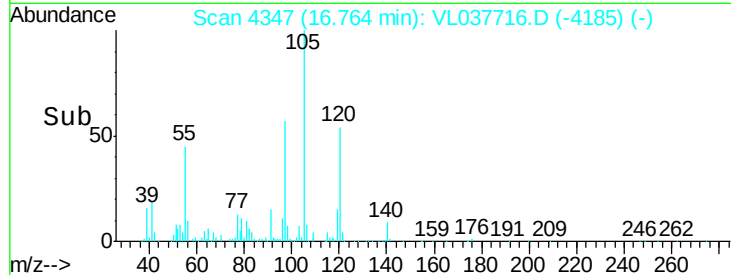
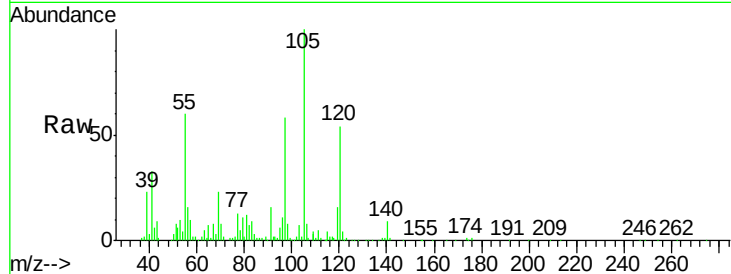
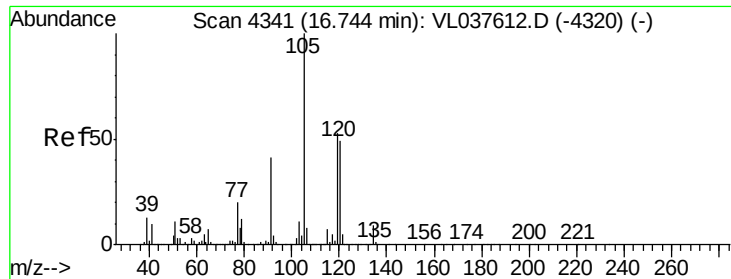
Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021



#73
 1,3,5-Trimethylbenzene
 Concen: 0.260 ppbv m
 RT: 16.00 min Scan# 4109
 Delta R.T.: 0.02 min
 Lab File: VL037716.D
 Acq: 28 Sep 2021 23:48

Tgt Ion: 105 Resp: 107436
 Ion Ratio Lower Upper
 105 100
 120 44.1 38.3 57.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.653 ppbv m
 RT: 16.76
 Delta R.T
 Lab File:
 Acq: 28 Sep 2021 23.48

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021
 Supervised By :Amit Patel 10/01/2021

Tgt	Ion	Ratio
105	100	
120	53.	
91	15.	
77	13.2	
	15.7	
	23.5	

