

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036664.D
 Acq On : 3 Apr 2021 3:22
 Operator : SY/AP
 Sample : M1834-03 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

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 4/5/2021 1:14:23 PM

Quant Time: Apr 04 19:06:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.66	49	1342910	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3311141	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3447568	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2696761	9.81	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	216571m	2.708	ppbv	
10) Heptane	8.17	43	19055463	93.515	ppbv #	81
26) Hexane	5.72	57	31871240	218.560	ppbv #	47
30) Cyclohexane	7.15	84	15453803	130.672	ppbv	82
36) Benzene	6.90	78	20346358	66.627	ppbv #	62
44) 2,2,4-Trimethylpentane	7.91	57	70257278m	130.721	ppbv	
53) Toluene	9.83	91	411878	1.267	ppbv	98
58) Ethyl Benzene	12.71	91	7479611	14.912	ppbv	96
59) m/p-Xylene	12.99	91	495282m	1.132	ppbv	
60) o-Xylene	13.67	91	43965m	0.104	ppbv	
62) Isopropylbenzene	14.66	105	300879	0.528	ppbv	99
64) n-propylbenzene	15.55	120	28864m	0.207	ppbv	

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

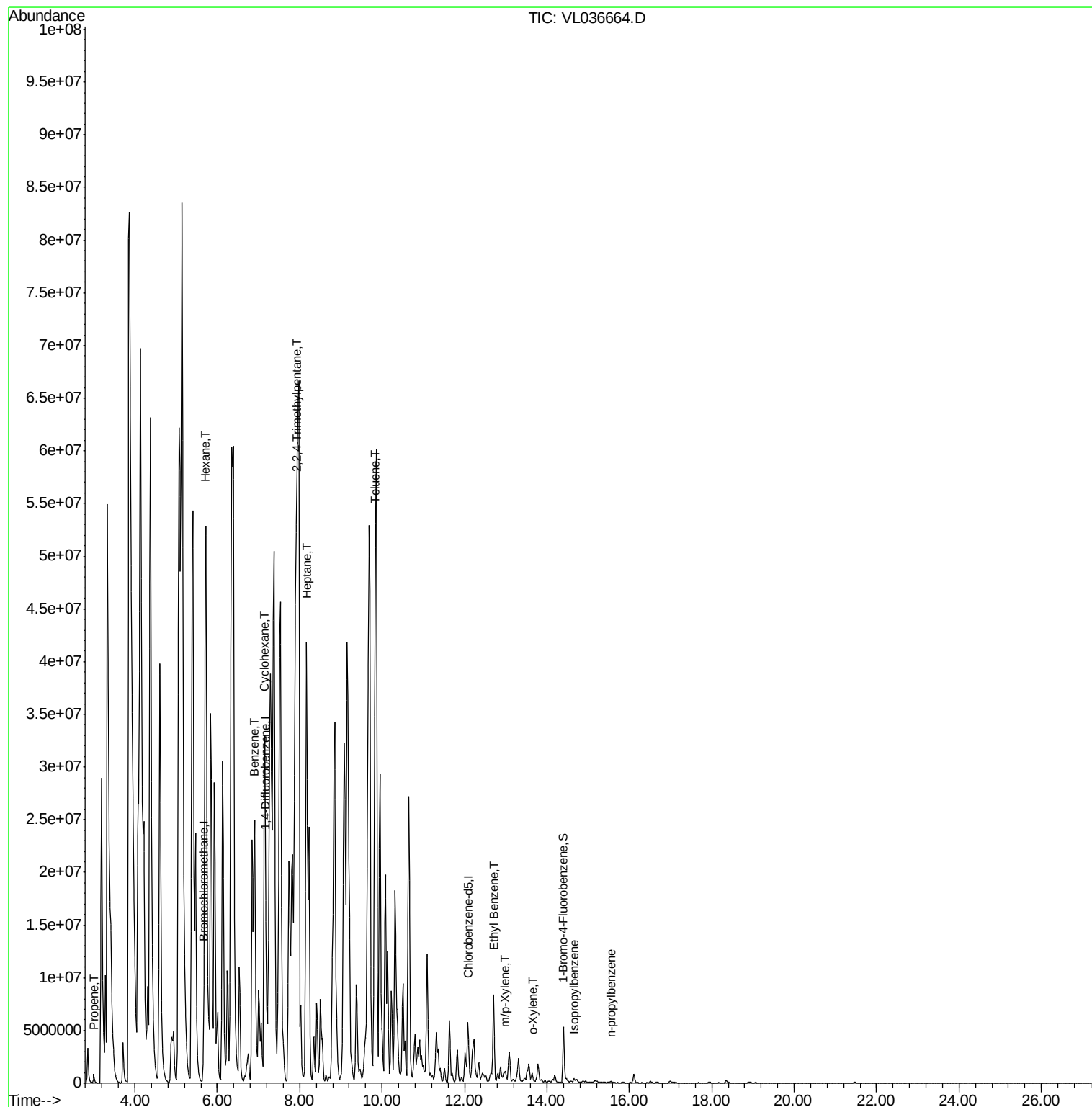
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036664.D
Acq On : 3 Apr 2021 3:22
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SV3

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Quant Time: Apr 04 19:06:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 49 Resp: 1342910

Ion Ratio Lower Upper

49 100

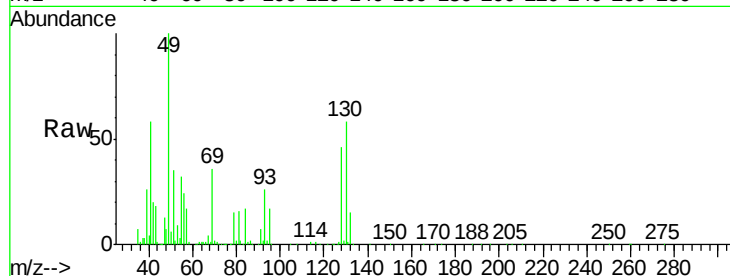
128 48.6 23.5 70.6

130 61.6 29.1 87.4

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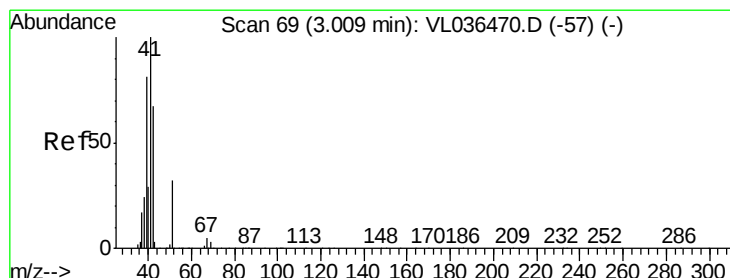
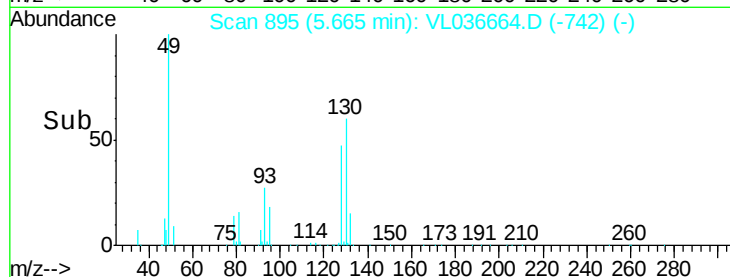
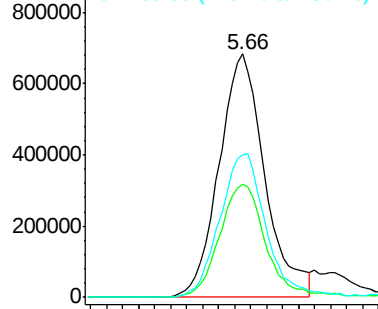
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 2.708 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036664.D

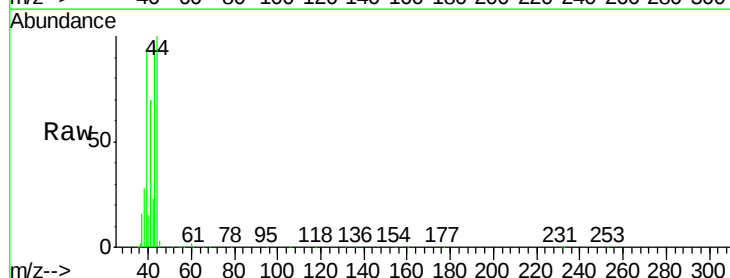
Acq: 3 Apr 2021 3:22

Tgt Ion: 41 Resp: 216571

Ion Ratio Lower Upper

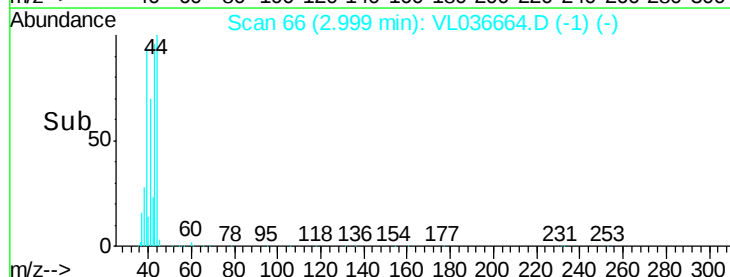
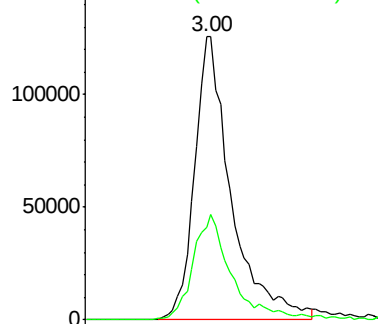
41 100

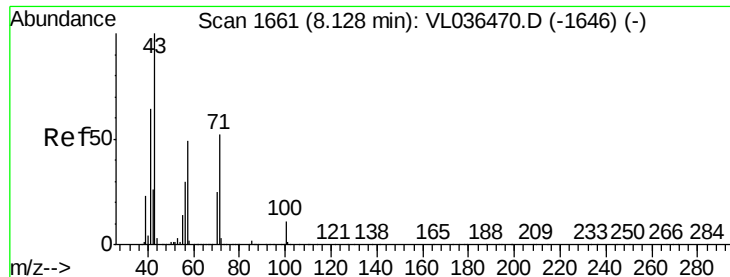
42 6198.3 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





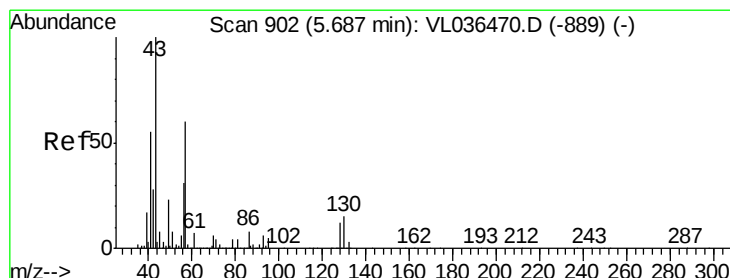
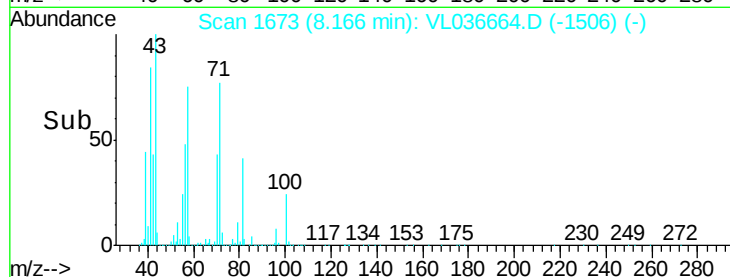
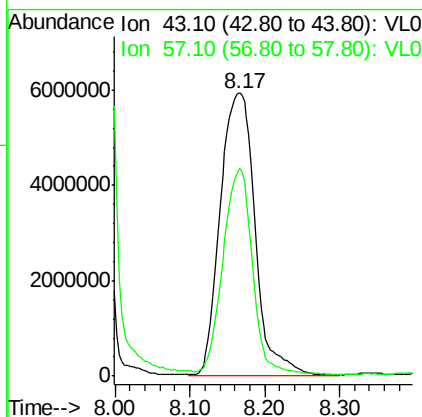
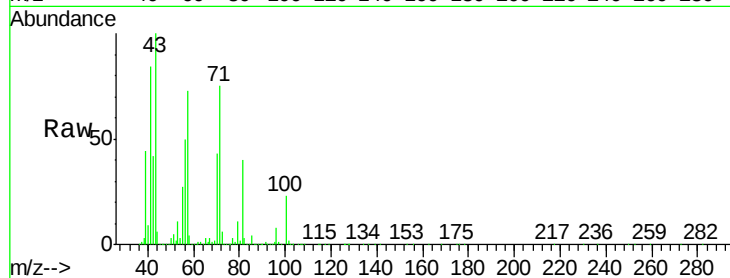
#10
Heptane
Concen: 93.515 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 43 Resp:19055463
Ion Ratio Lower Upper
43 100
57 61.8 39.0 58.6#

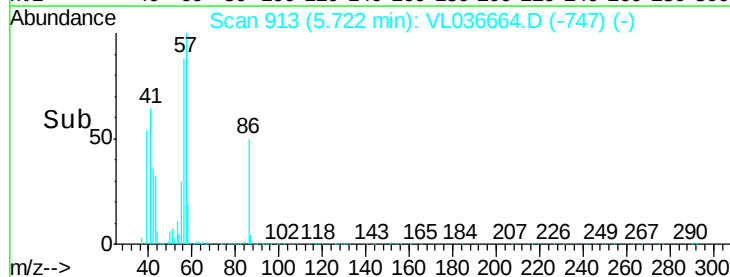
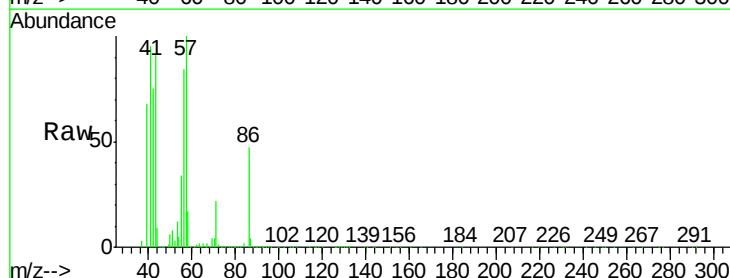
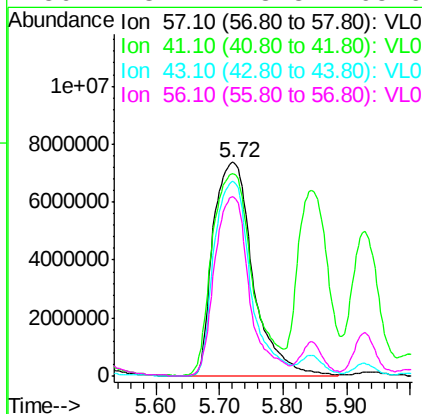
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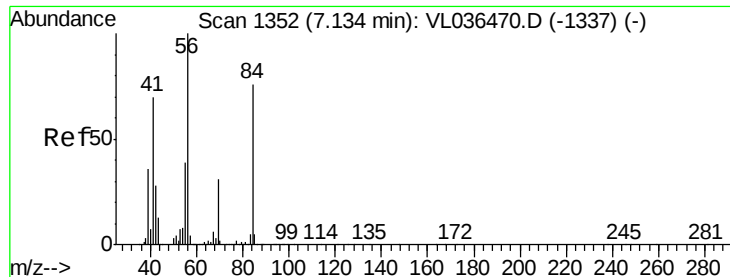
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#26
Hexane
Concen: 218.560 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 57 Resp:31871240
Ion Ratio Lower Upper
57 100
41 95.9 77.2 115.8
43 84.0 173.8 260.6#
56 73.4 43.8 65.6#





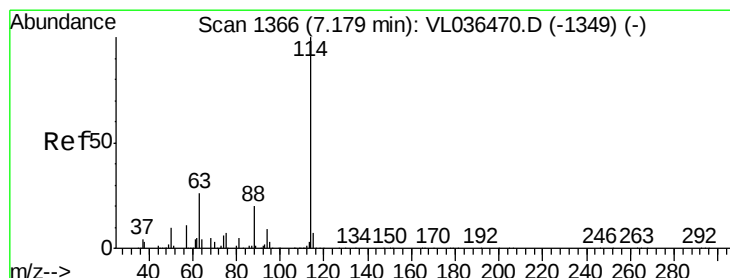
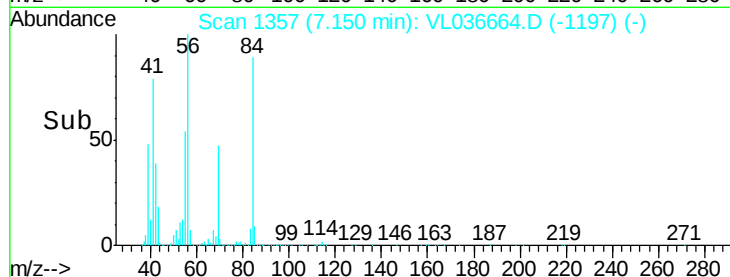
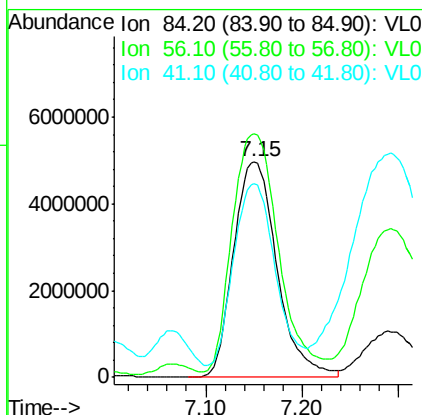
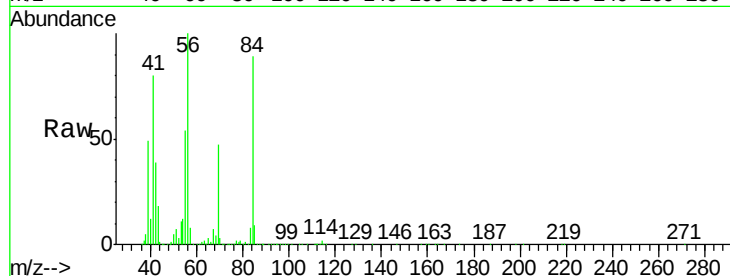
#30
Cvclohexane
Concen: 130.672 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 84 Resp:15453803
Ion Ratio Lower Upper
84 100
56 116.9 114.6 171.8
41 80.5 75.3 112.9

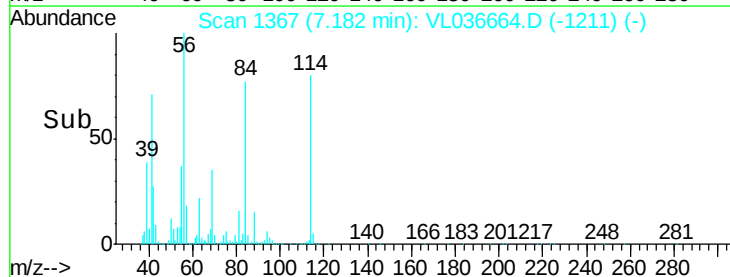
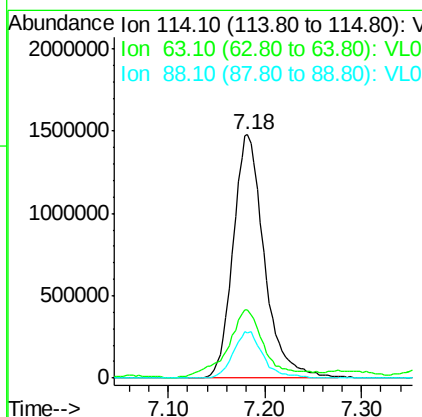
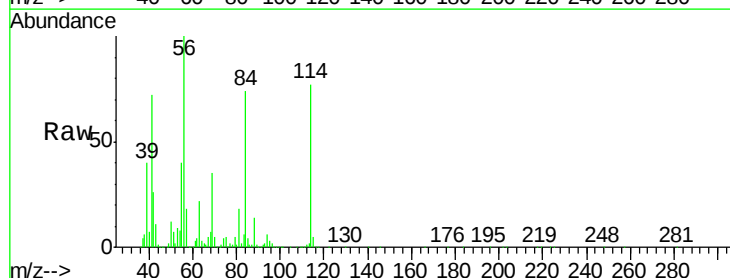
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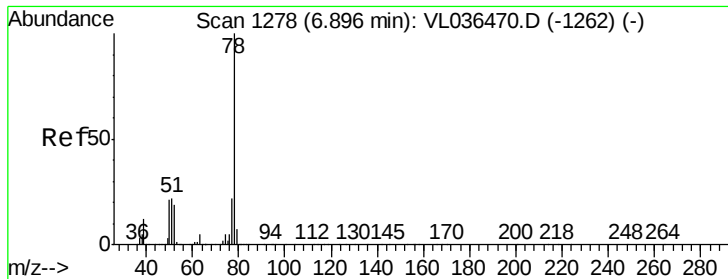
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion:114 Resp: 3311141
Ion Ratio Lower Upper
114 100
63 33.3 22.4 33.6
88 18.5 15.4 23.0





#36

Benzene

Concen: 66.627 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tot Ion: 78 Resp:20346358

Ion Ratio Lower Upper

78 100

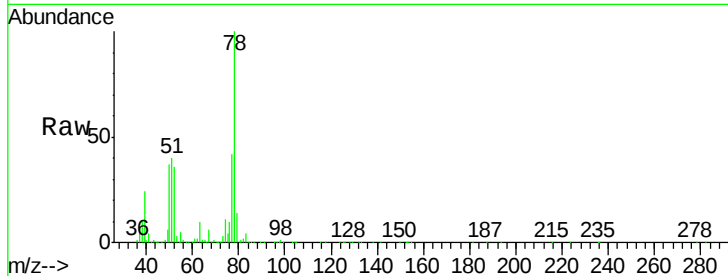
77 42.2 18.0 27.0#

50 36.9 16.5 24.7#

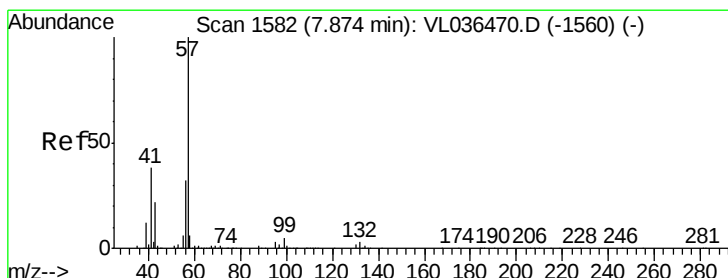
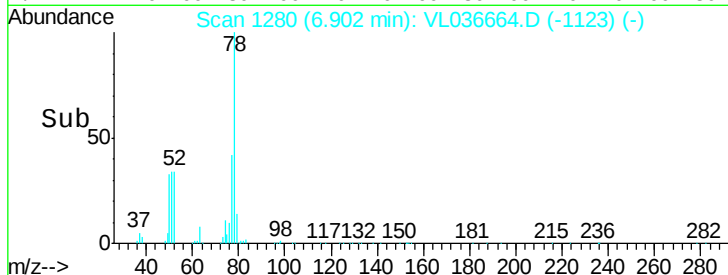
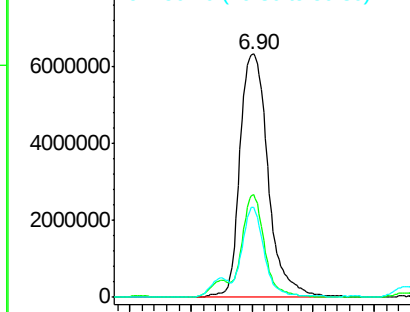
Manual Integrations
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Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 130.721 ppbv m

RT: 7.91 min Scan# 1593

Delta R.T. 0.04 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

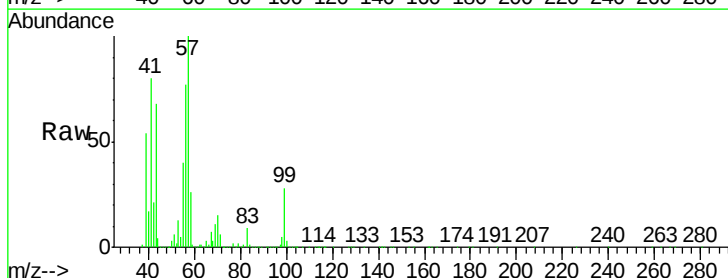
Tgt Ion: 57 Resp:70257278

Ion Ratio Lower Upper

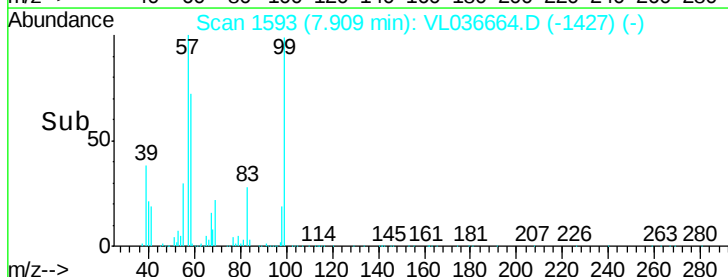
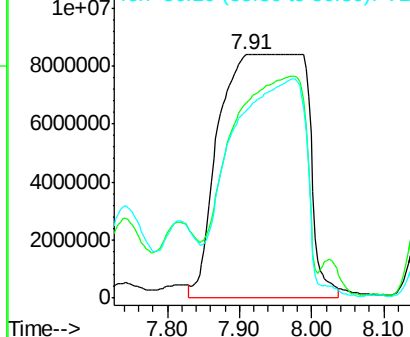
57 100

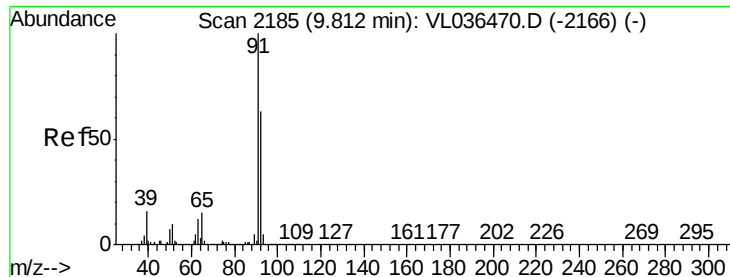
41 10.8 28.8 43.2#

56 12.3 26.1 39.1#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 1.267 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.02 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 91 Resp: 411878

Ion Ratio Lower Upper

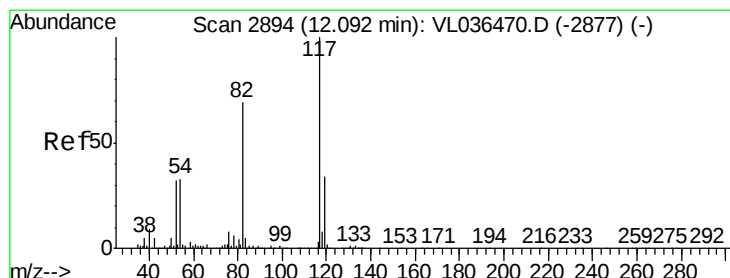
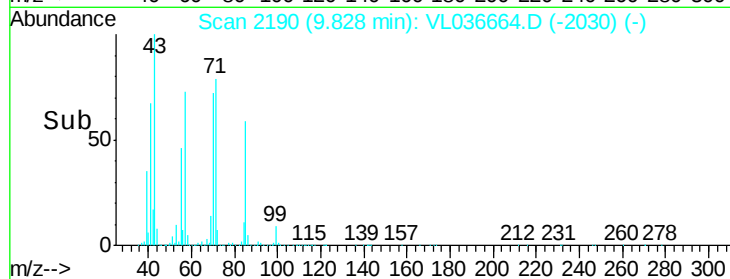
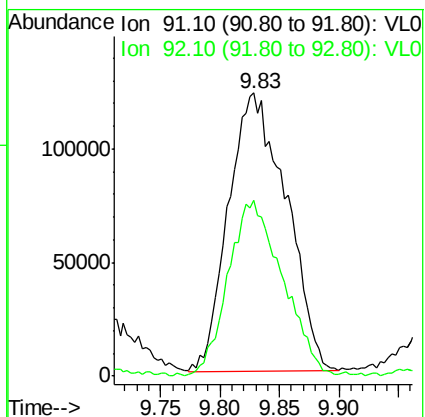
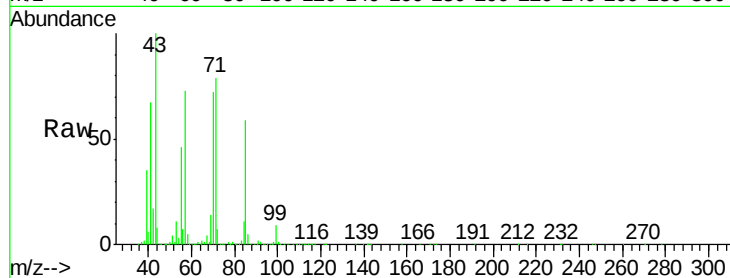
91 100

92 59.4 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

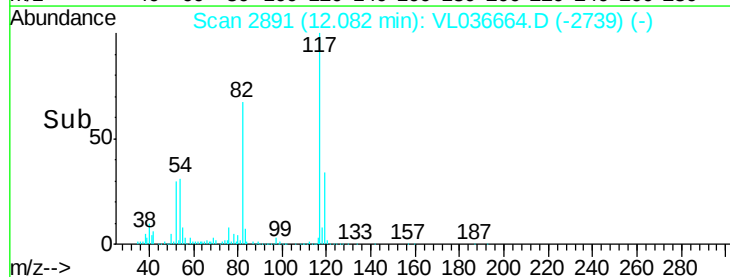
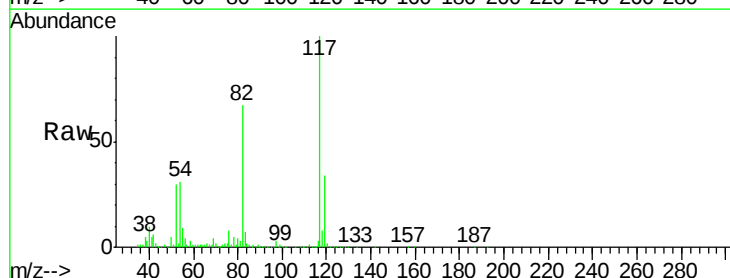
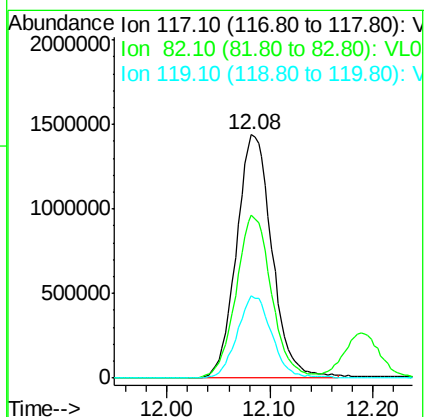
Tgt Ion: 117 Resp: 3447568

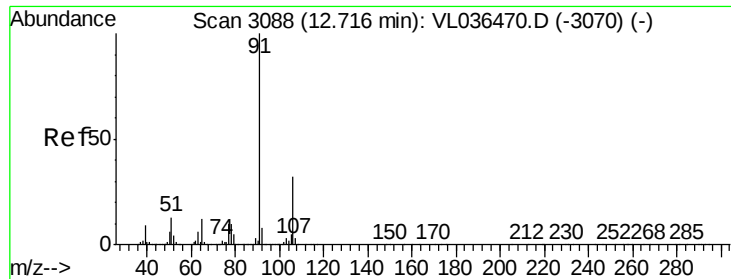
Ion Ratio Lower Upper

117 100

82 66.4 57.4 86.0

119 33.0 47.4 71.0#





#58

Ethyl Benzene

Concen: 14.912 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 91 Resp: 7479611

Ion Ratio Lower Upper

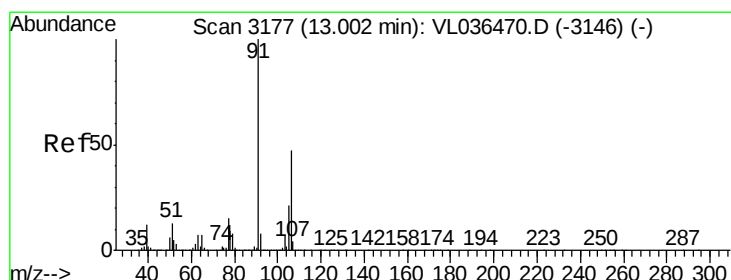
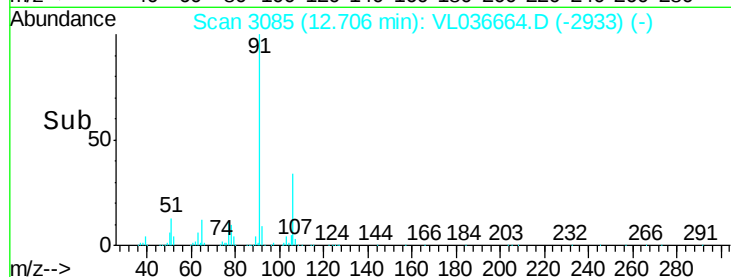
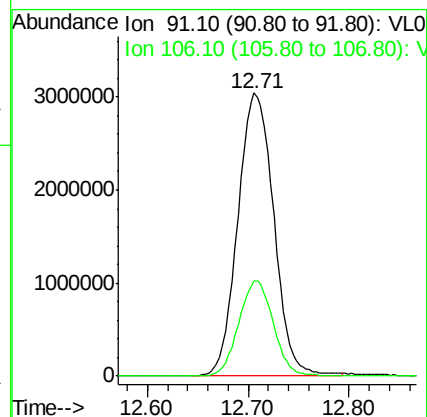
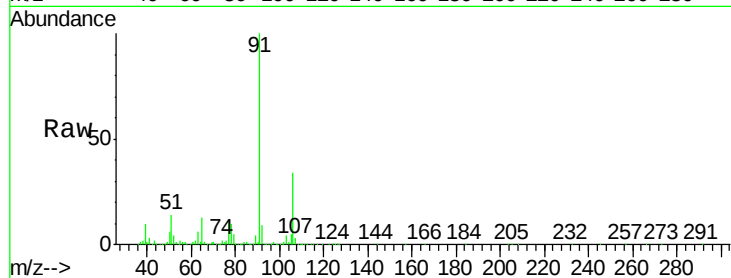
91 100

106 33.9 25.3 37.9

Manual Integrations
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#59

m/p-Xylene

Concen: 1.132 ppbv m

RT: 12.99 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL036664.D

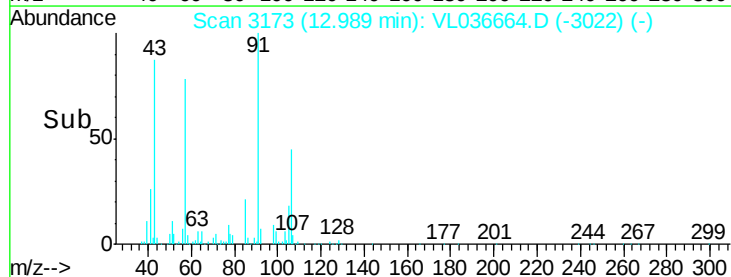
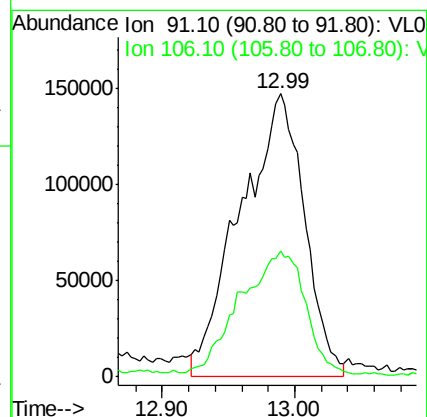
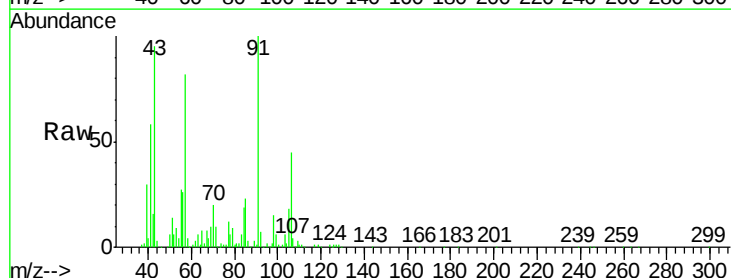
Acq: 3 Apr 2021 3:22

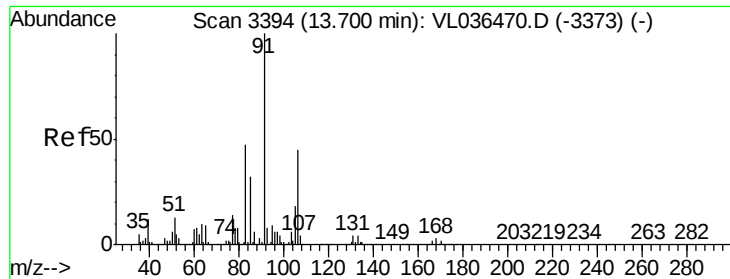
Tgt Ion: 91 Resp: 495282

Ion Ratio Lower Upper

91 100

106 45.2 35.3 52.9





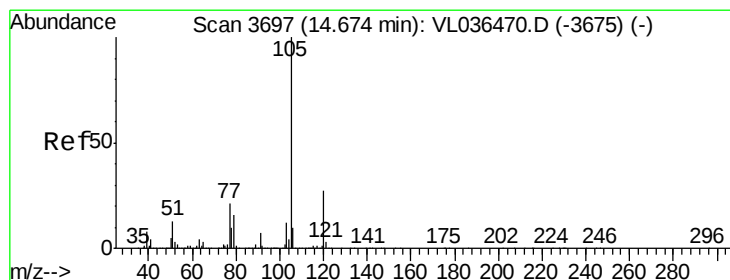
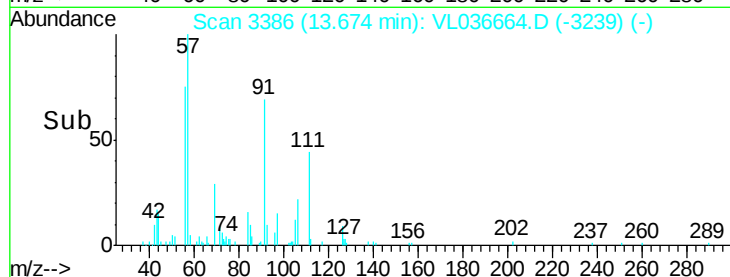
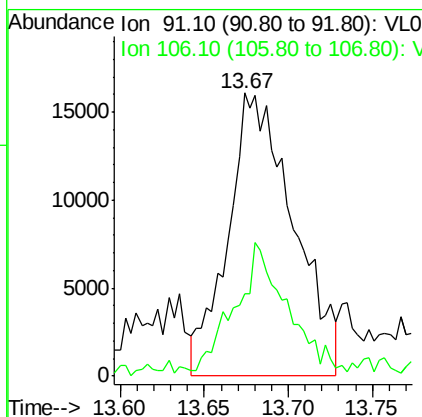
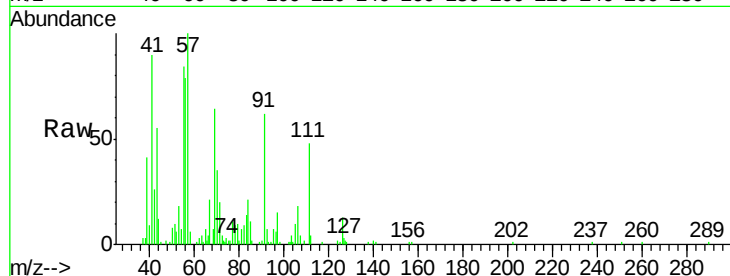
#60
o-Xylene
Concen: 0.104 ppbv m
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 91 Resp: 43965
Ion Ratio Lower Upper
91 100
106 36.5 22.3 66.9

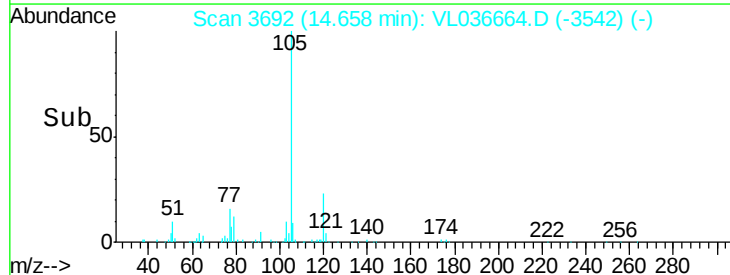
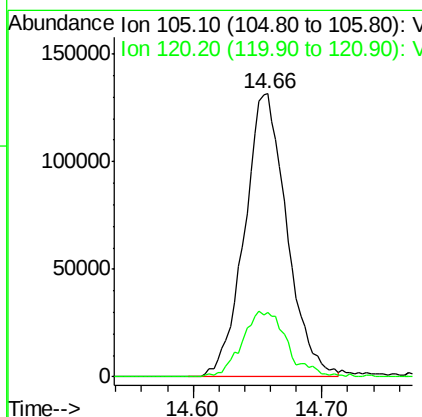
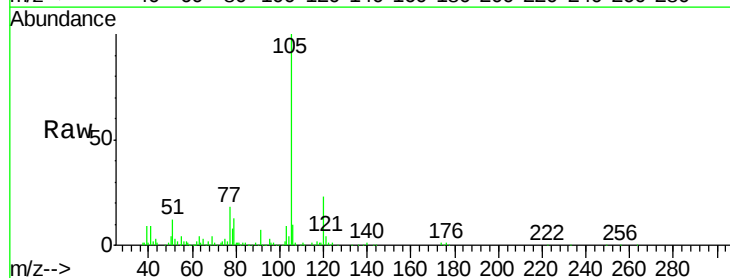
Manual Integrations
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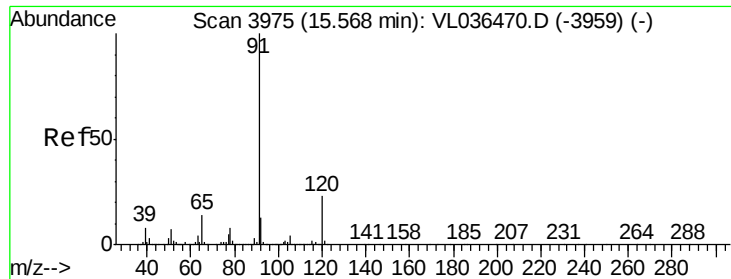
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#62
Isopropylbenzene
Concen: 0.528 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 105 Resp: 300879
Ion Ratio Lower Upper
105 100
120 25.1 20.6 31.0





#64

n-propylbenzene

Concen: 0.207 ppbv m

RT: 15.55 min Scan# 3970

Delta R.T. -0.02 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion:120 Resp: 28864

Ion Ratio Lower Upper

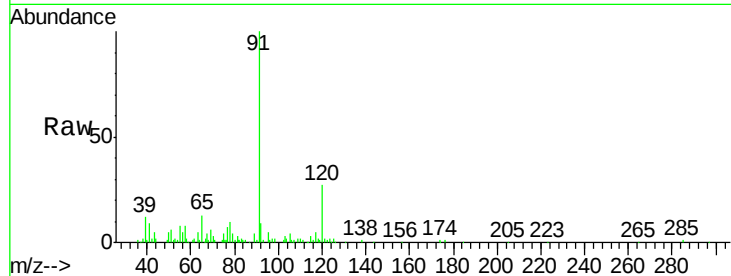
120 100

91 512.2 377.4 566.2

Manual Integrations
APPROVED

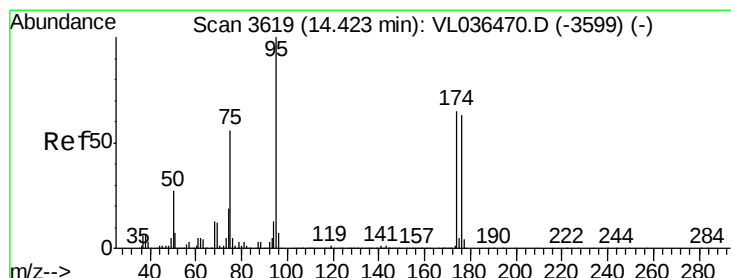
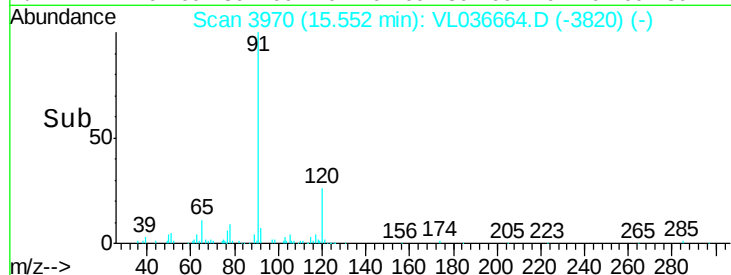
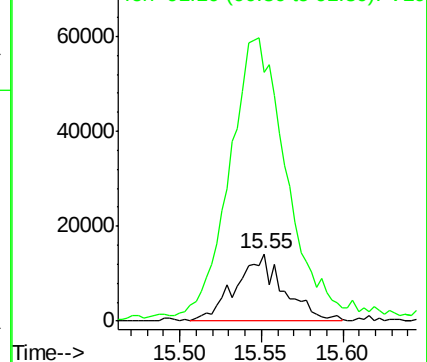
apatel

4/5/2021 1:14:23 PM



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: 9.814 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.02 min

Lab File: VL036664.D

Acq: 3 Apr 2021 3:22

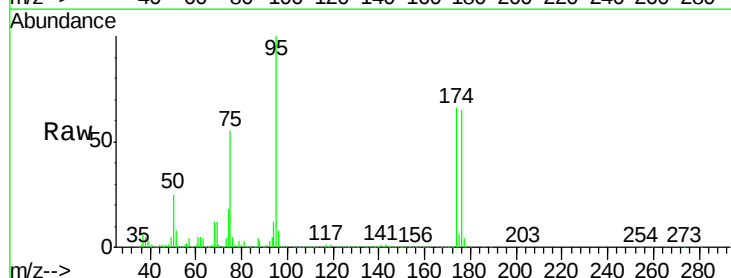
Tgt Ion: 95 Resp: 2696761

Ion Ratio Lower Upper

95 100

174 67.6 51.0 76.6

175 5.2 3.9 5.9



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

