

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036644.D
 Acq On : 31 Jan 2020 02:17
 Operator : JC/MD
 Sample : L1324-16 20X
 Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAT71

Quant Time: Jan 31 07:11:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 04:01:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	279345	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	278680	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152527	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	64397	30.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.56%
7) Chloroethane-d5	1.89	69	20148	11.22	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	22.44%#
11) 1,1-Dichloroethene-d2	2.58	63	88297	26.10	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.20%#
21) 2-Butanone-d5	4.68	46	92515	74.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.49%
24) Chloroform-d	5.11	84	126885	37.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.06%
26) 1,2-Dichloroethane-d4	5.74	65	84788	39.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.40%
32) Benzene-d6	5.76	84	304349	38.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.64%
36) 1,2-Dichloropropane-d6	6.73	67	97339	39.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.70%
41) Toluene-d8	7.93	98	292027	38.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.44%#
43) trans-1,3-Dichloropropene-	8.21	79	46363	39.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.82%
47) 2-Hexanone-d5	8.67	63	124402	109.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.82%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	157447	43.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	137192	41.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.84%

Target Compounds

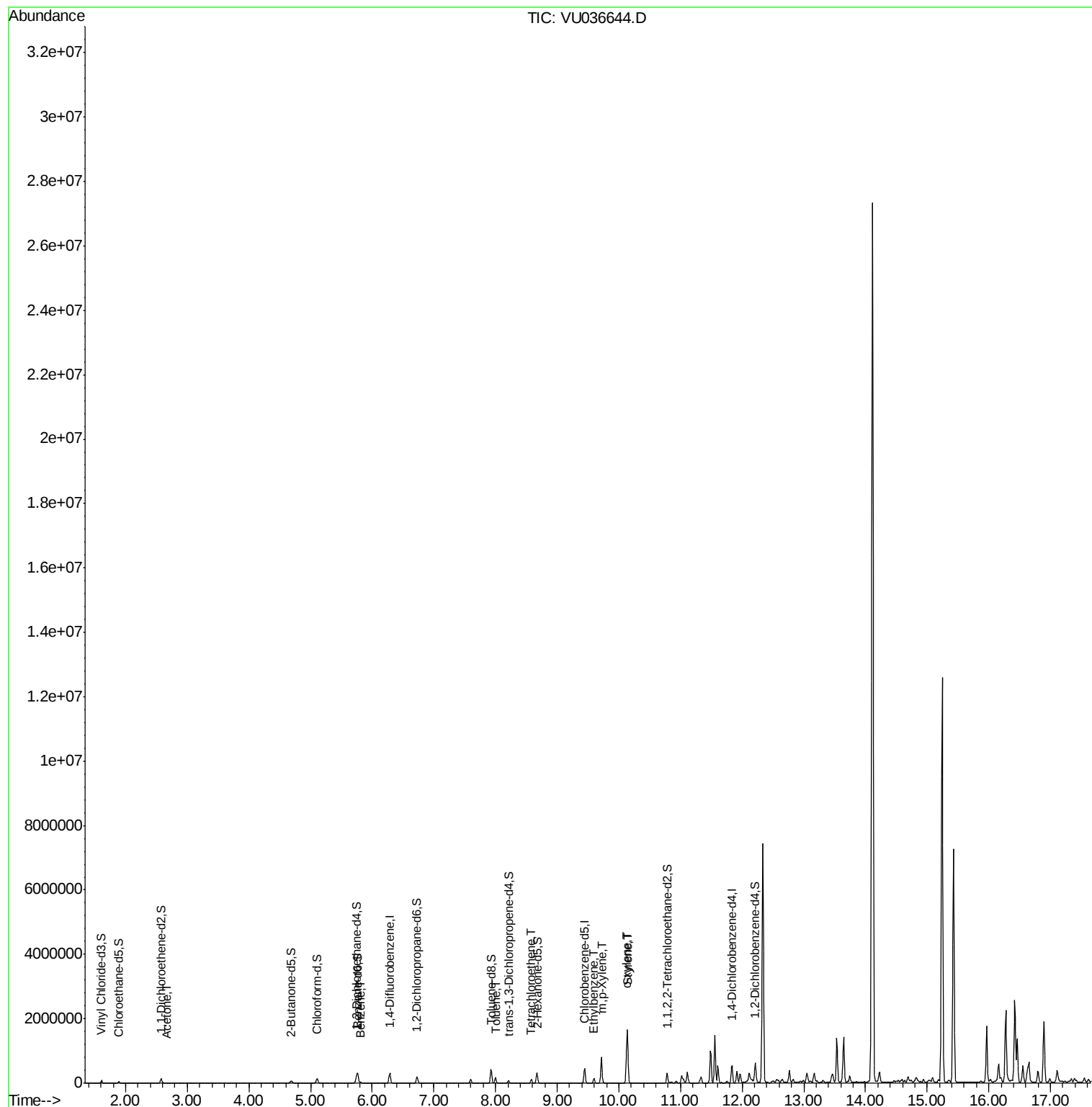
					Ovalue
13) Acetone	2.66	43	2256	1.877 ug/L	87
33) Benzene	5.81	78	33525	4.024 ug/L	100
42) Toluene	8.00	91	127151	14.040 ug/L	98
46) Tetrachloroethene	8.58	164	25627	14.709 ug/L	99
52) Ethylbenzene	9.60	91	110314	11.119 ug/L	100
53) m,p-Xylene	9.72	106	239814	61.976 ug/L	98
54) o-xylene	10.12	106	169510	43.918 ug/L	98
55) Styrene	10.14	104	713164	113.860 ug/L	98

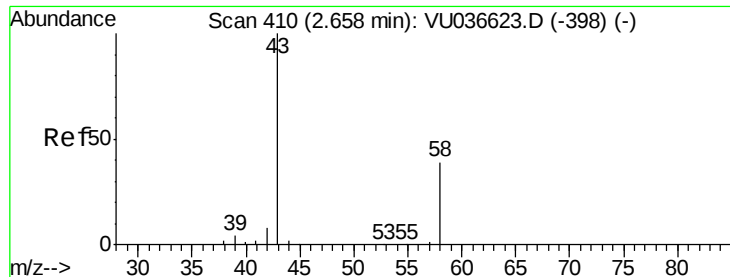
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.877 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036644.D

Acq: 31 Jan 2020 02:17

Instrument :

MSVOA_U

ClientSampleId :

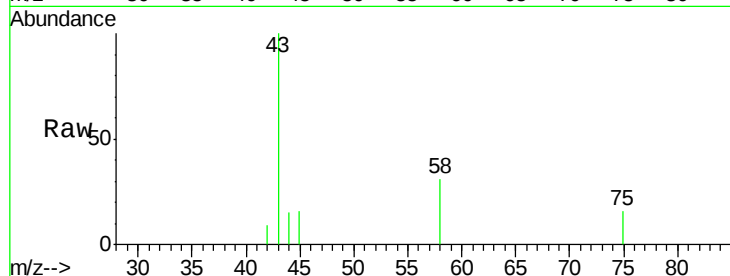
GAT71

Tot Ion: 43 Resp: 2256

Ion Ratio Lower Upper

43 100

58 30.1 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036623.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036623.D (-398) (-)

2.66

1500

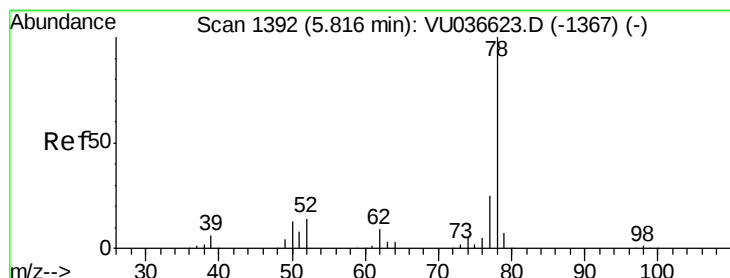
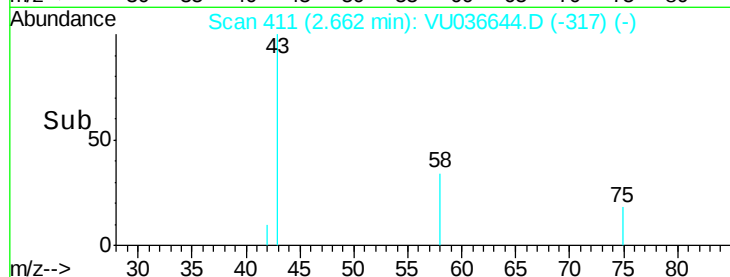
1000

500

0

2.65 2.70

Time-->



#33

Benzene

Concen: 4.024 ug/L

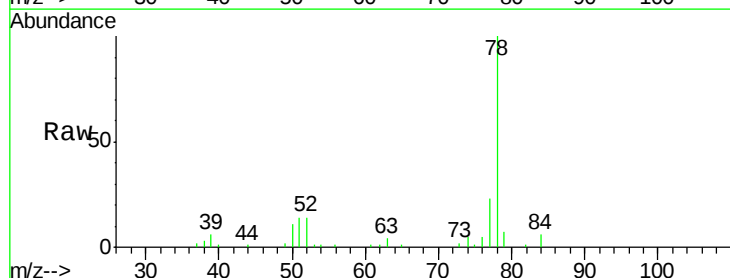
RT: 5.81 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VU036644.D

Acq: 31 Jan 2020 02:17

Tgt Ion: 78 Resp: 33525



Abundance Ion 78.00 (77.70 to 78.70): VU036623.D (-1367) (-)

15000

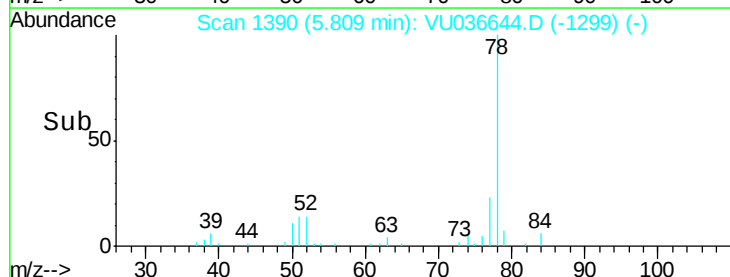
10000

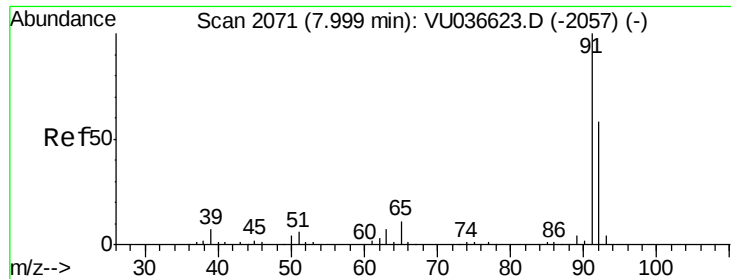
5000

0

5.70 5.75 5.80 5.85 5.90

Time-->





#42

Toluene

Concen: 14.040 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036644.D

Acq: 31 Jan 2020 02:17

Instrument :

MSVOA_U

ClientSampleId :

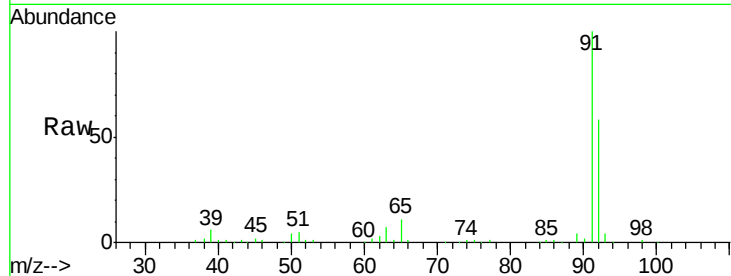
GAT71

Tot Ion: 91 Resp: 127151

Ion Ratio Lower Upper

91 100

92 58.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036623.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036623.D (-2057) (-)

8.00

80000

60000

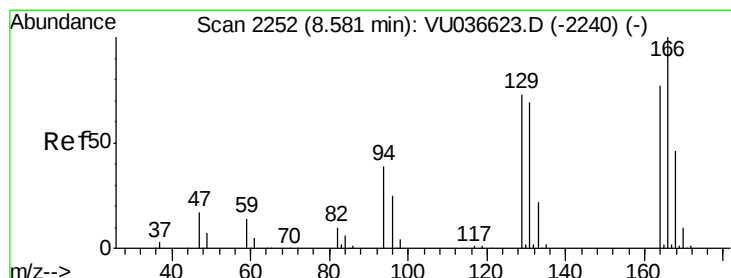
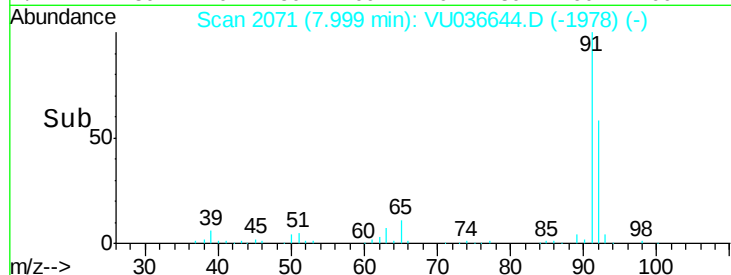
40000

20000

0

7.95 8.00 8.05

Time-->



#46

Tetrachloroethene

Concen: 14.709 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036644.D

Acq: 31 Jan 2020 02:17

Tgt Ion:164 Resp: 25627

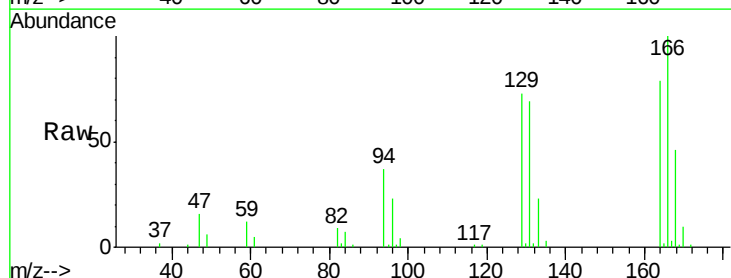
Ion Ratio Lower Upper

164 100

129 93.2 64.2 119.2

131 87.9 61.8 114.8

166 127.1 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU036623.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU036623.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU036623.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU036623.D (-2240) (-)

30000

25000

20000

15000

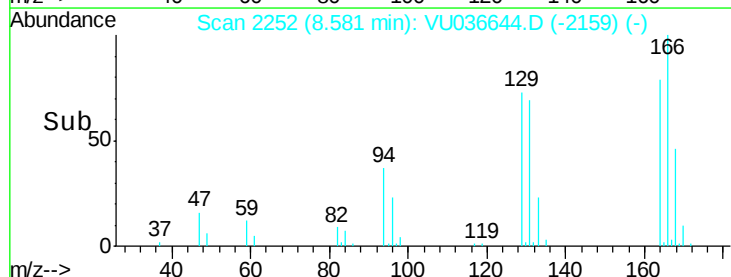
10000

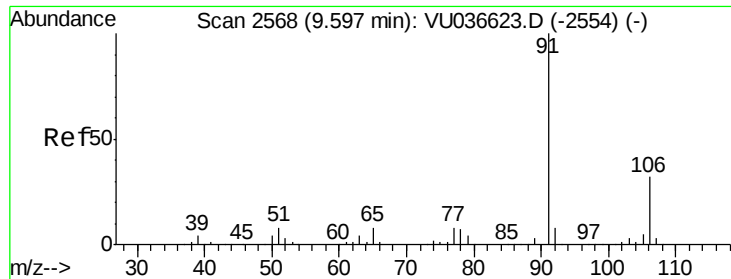
5000

0

8.55 8.60

Time-->





#52

Ethylbenzene

Concen: 11.119 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036644.D

Acq: 31 Jan 2020 02:17

Instrument :

MSVOA_U

ClientSampleId :

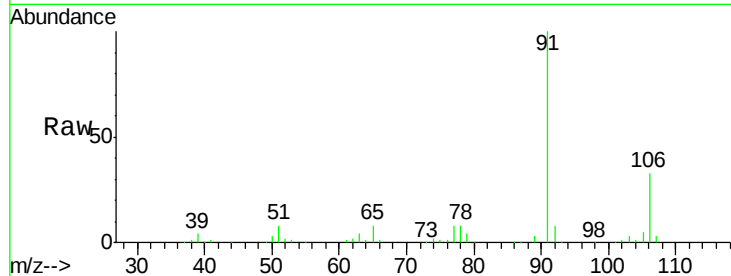
GAT71

Tot Ion: 91 Resp: 110314

Ion Ratio Lower Upper

91 100

106 32.6 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036644.D (-2475) (-)

Ion 106.00 (105.70 to 106.70): VU036644.D (-2475) (-)

9.60

80000

60000

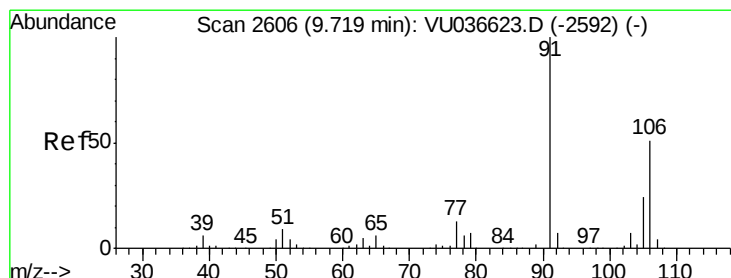
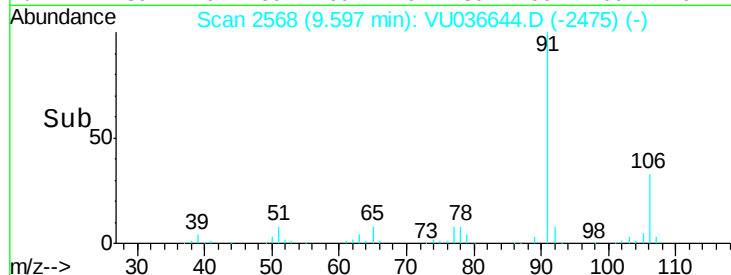
40000

20000

0

Time-->

9.55 9.60 9.65



#53

m,p-Xylene

Concen: 61.976 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036644.D

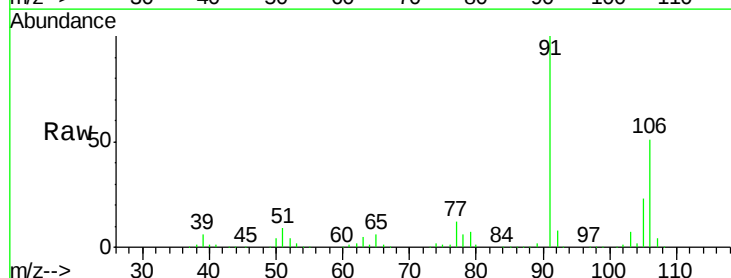
Acq: 31 Jan 2020 02:17

Tgt Ion: 106 Resp: 239814

Ion Ratio Lower Upper

106 100

91 196.2 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036644.D (-2513) (-)

Ion 91.00 (90.70 to 91.70): VU036644.D (-2513) (-)

9.72

300000

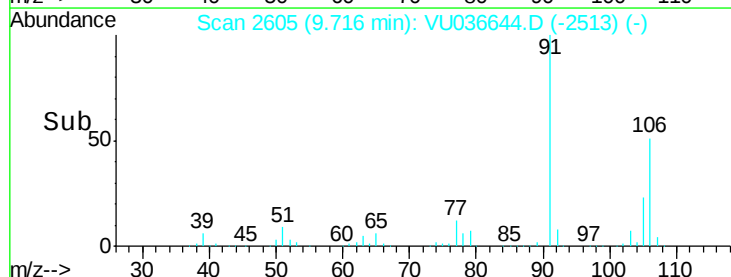
200000

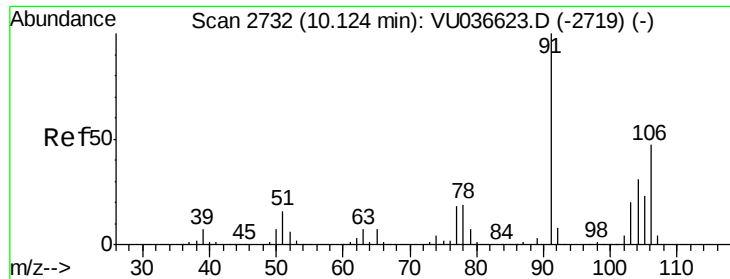
100000

0

Time-->

9.65 9.70 9.75 9.80

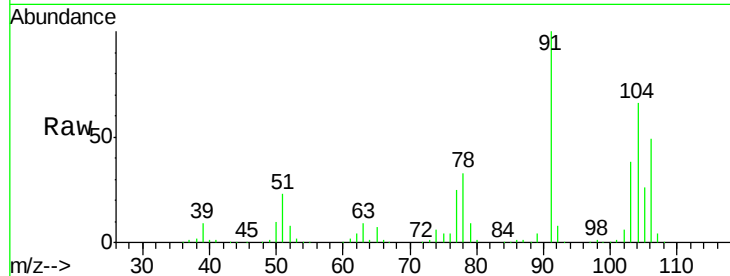




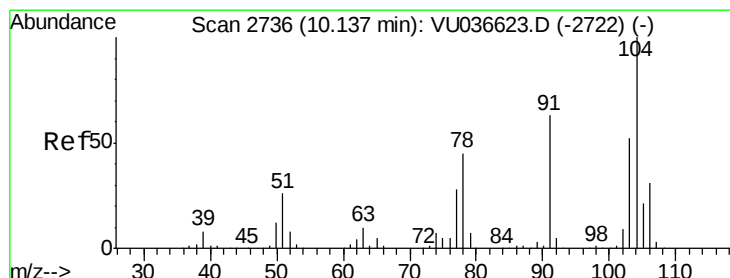
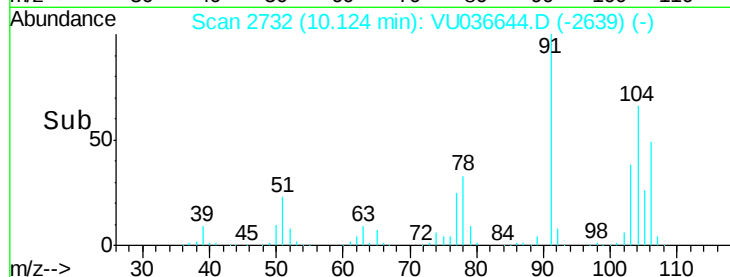
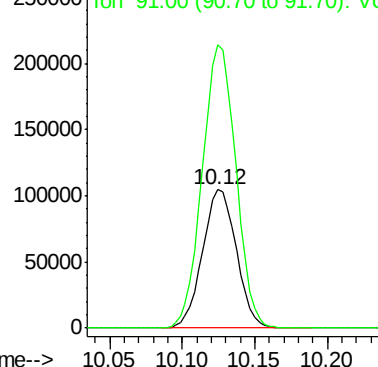
#54
o-xylene
Concen: 43.918 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036644.D
Acq: 31 Jan 2020 02:17

Instrument :
MSVOA_U
ClientSampled :
GAT71

Tot Ion:106 Resp: 169510
Ion Ratio Lower Upper
106 100
91 204.6 145.9 271.1

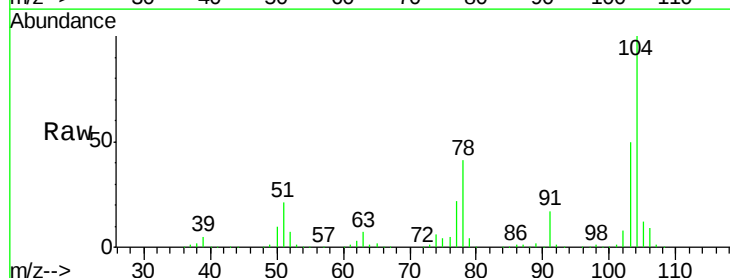


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#55
Styrene
Concen: 113.860 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036644.D
Acq: 31 Jan 2020 02:17

Tgt Ion:104 Resp: 713164
Ion Ratio Lower Upper
104 100
78 41.5 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0

