

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038810.D
 Acq On : 11 Jun 2020 05:13
 Operator : SY/MD
 Sample : L2915-17 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E50

Quant Time: Jun 11 08:03:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	575467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	555764	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	268515	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	177871	55.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.64%
7) Chloroethane-d5	1.93	69	148739	59.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.26%
11) 1,1-Dichloroethene-d2	2.59	63	280366	40.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.02%
21) 2-Butanone-d5	4.66	46	370804	118.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.55%
24) Chloroform-d	5.10	84	366194	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.66%
26) 1,2-Dichloroethane-d4	5.74	65	250762	54.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.16%
32) Benzene-d6	5.76	84	743378	55.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.06%
36) 1,2-Dichloropropane-d6	6.72	67	228277	55.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.66%
41) Toluene-d8	7.92	98	639829	52.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.78%
43) trans-1,3-Dichloropropene-	8.20	79	106845	51.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.88%
47) 2-Hexanone-d5	8.65	63	267380	121.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.75%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	334209	54.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	264766	56.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.58%

Target Compounds

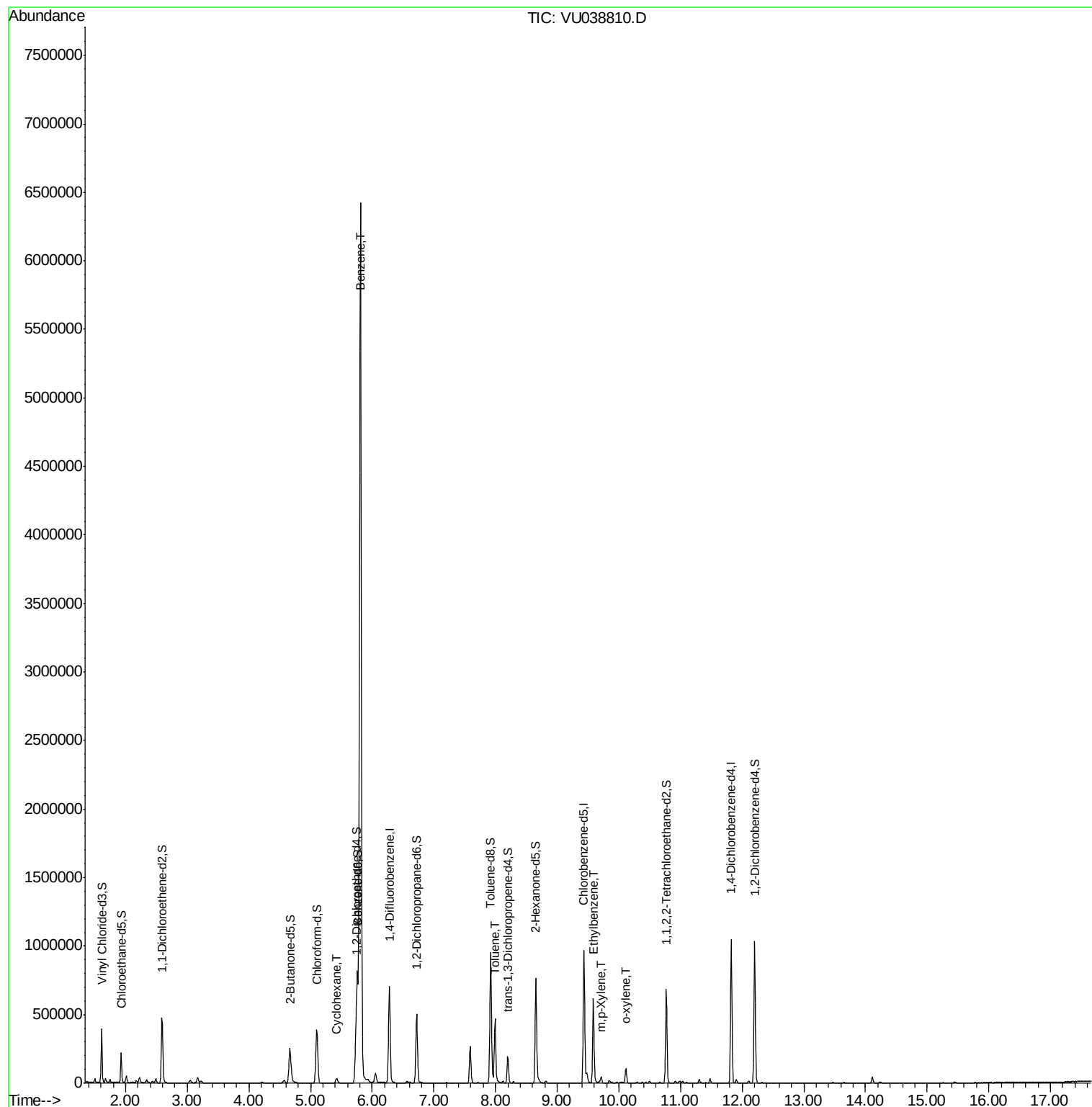
					Ovalue
29) Cyclohexane	5.42	56	15738	2.475 ug/L	93
33) Benzene	5.81	78	6085397	368.729 ug/L	100
42) Toluene	7.99	91	347051	20.111 ug/L	100
52) Ethylbenzene	9.59	91	448509	23.550 ug/L	99
53) m,p-Xylene	9.71	106	12785	1.749 ug/L	92
54) o-xylene	10.11	106	28991	4.085 ug/L	94

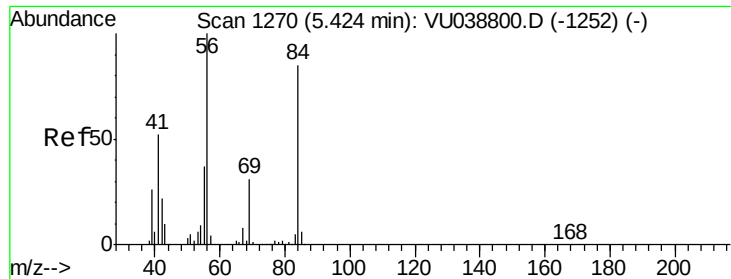
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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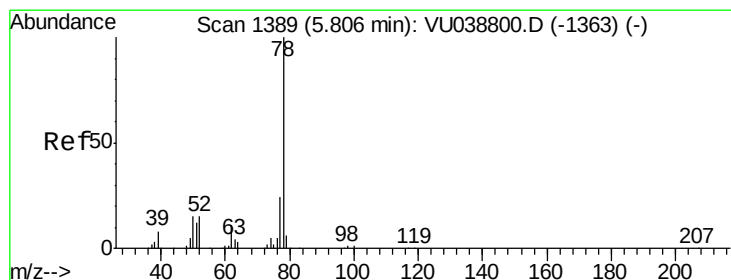
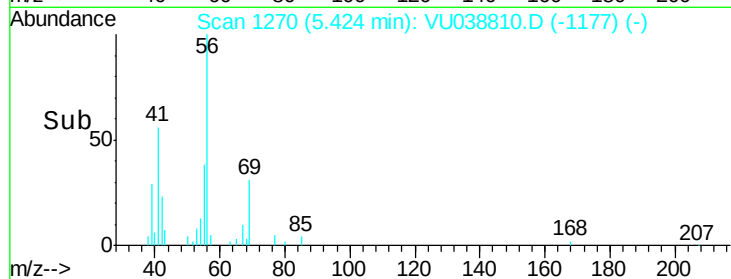
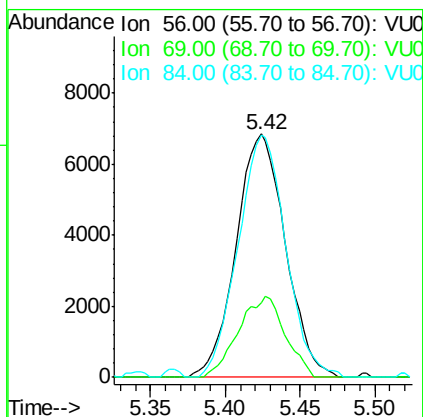
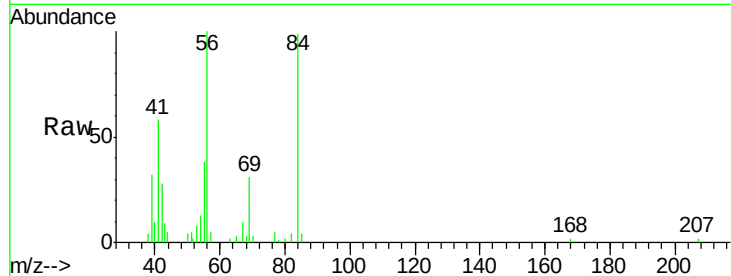




#29
Cyclohexane
Concen: 2.475 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038810.D
Acq: 11 Jun 2020 05:13

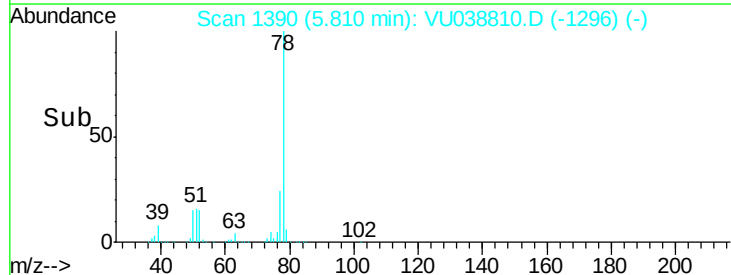
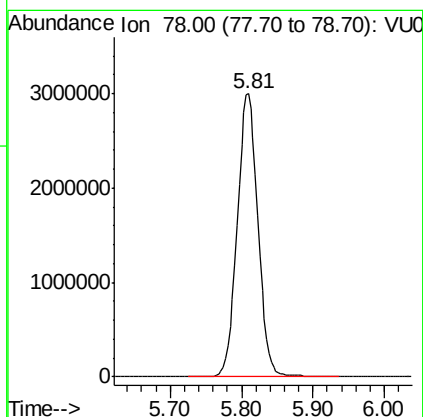
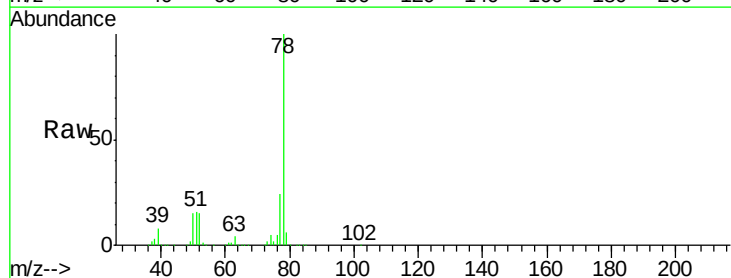
Instrument :
MSVOA_U
ClientSampleId :
F9E50

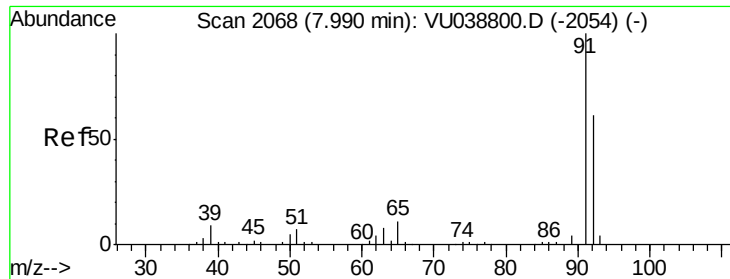
Tot Ion: 56 Resp: 15738
Ion Ratio Lower Upper
56 100
69 31.4 25.1 37.7
84 96.5 70.5 105.7



#33
Benzene
Concen: 368.729 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038810.D
Acq: 11 Jun 2020 05:13

Tgt Ion: 78 Resp: 6085397





#42

Toluene

Concen: 20.111 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038810.D

Acq: 11 Jun 2020 05:13

Instrument :

MSVOA_U

ClientSampleId :

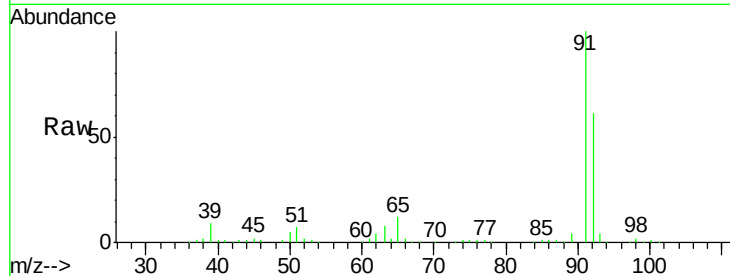
F9E50

Tot Ion: 91 Resp: 347051

Ion Ratio Lower Upper

91 100

92 60.6 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.99

200000

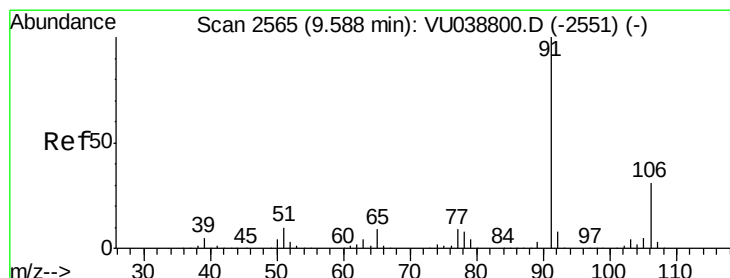
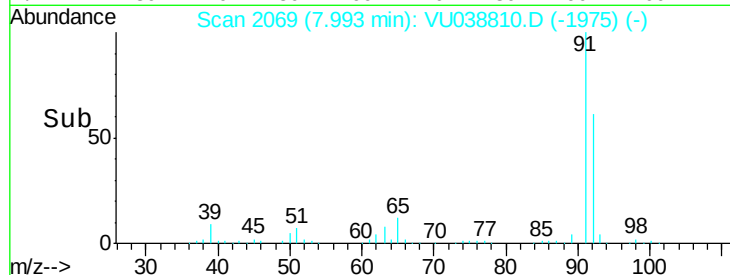
150000

100000

50000

0

Time-->



#52

Ethylbenzene

Concen: 23.550 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038810.D

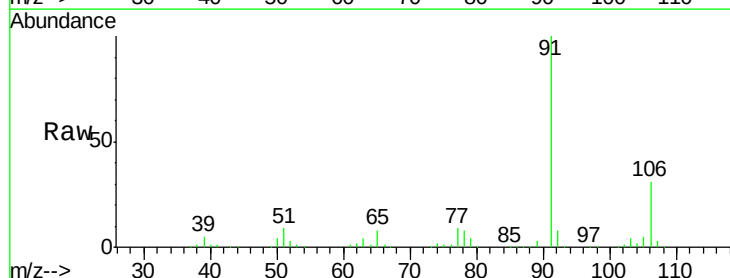
Acq: 11 Jun 2020 05:13

Tgt Ion: 91 Resp: 448509

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.59

300000

250000

200000

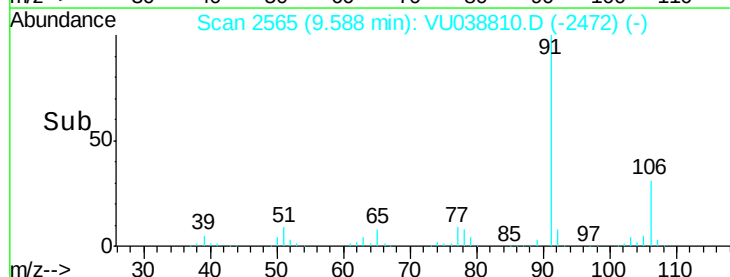
150000

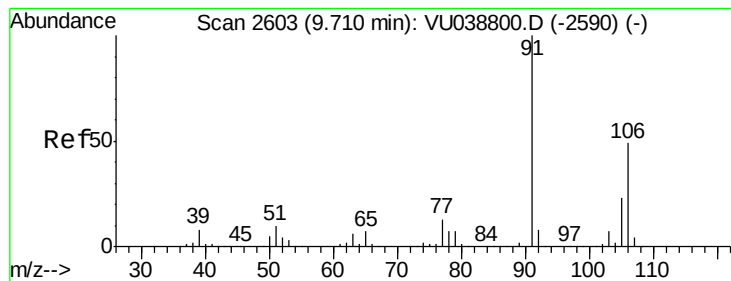
100000

50000

0

Time-->





#53

m,p-Xylene

Concen: 1.749 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038810.D

Acq: 11 Jun 2020 05:13

Instrument :

MSVOA_U

ClientSampleId :

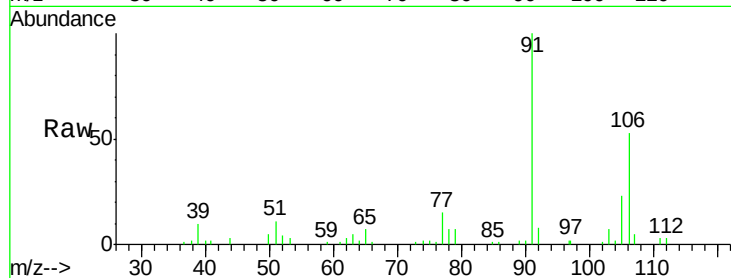
F9E50

Tot Ion:106 Resp: 12785

Ion Ratio Lower Upper

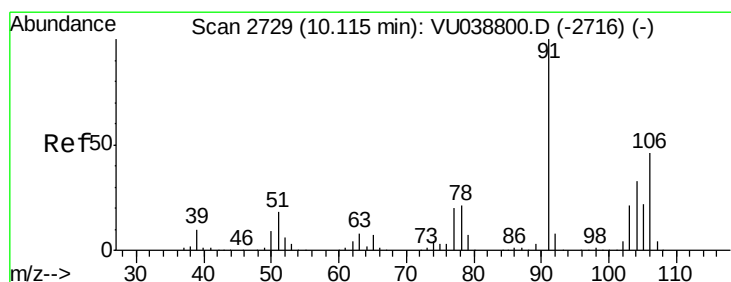
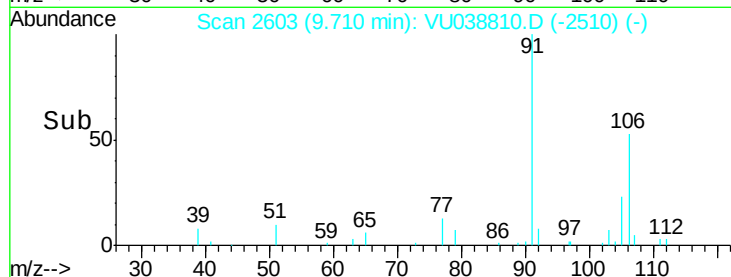
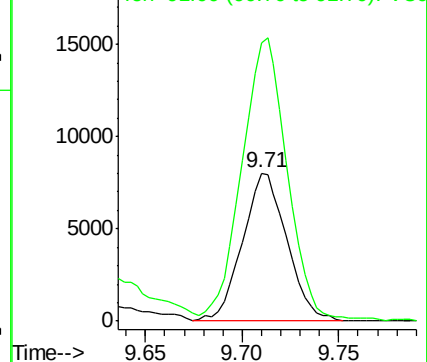
106 100

91 187.9 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.085 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU038810.D

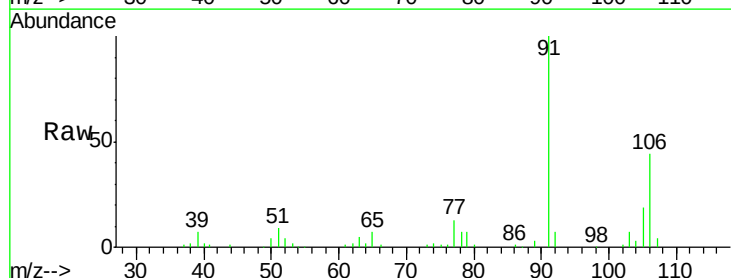
Acq: 11 Jun 2020 05:13

Tgt Ion:106 Resp: 28991

Ion Ratio Lower Upper

106 100

91 225.7 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

