

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038762.D
 Acq On : 10 Jun 2020 06:56
 Operator : SY/MD
 Sample : L2913-10 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E52

Quant Time: Jun 10 07:52:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 06:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	579032	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	555015	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	259613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131803	40.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.48%
7) Chloroethane-d5	1.93	69	120436	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.98%
11) 1,1-Dichloroethene-d2	2.59	63	219852	31.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.36%
21) 2-Butanone-d5	4.66	46	330715	105.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.08%
24) Chloroform-d	5.10	84	317703	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.10%
26) 1,2-Dichloroethane-d4	5.74	65	220453	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.76	84	634741	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.72	67	199414	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.80%
41) Toluene-d8	7.92	98	532226	44.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.10%
43) trans-1,3-Dichloropropene-	8.20	79	93937	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.56%
47) 2-Hexanone-d5	8.65	63	235226	107.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.25%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	291606	47.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	226870	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%

Target Compounds

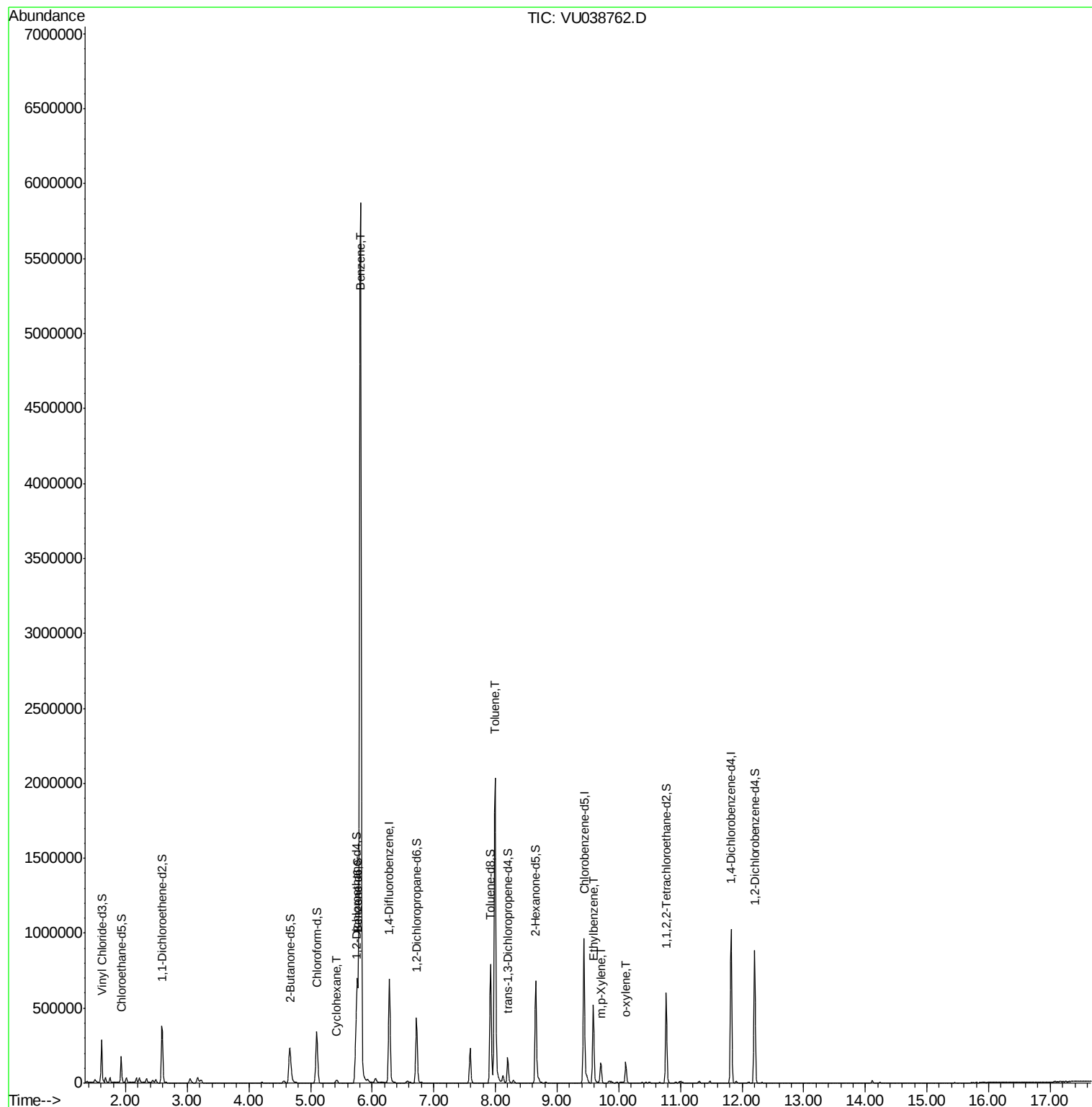
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	5.43	56	9204	1.449	ug/L	94
33) Benzene	5.81	78	5559863	337.340	ug/L	100
42) Toluene	7.99	91	1539041	89.307	ug/L	100
52) Ethylbenzene	9.59	91	377392	19.843	ug/L	99
53) m,p-Xylene	9.71	106	37732	5.168	ug/L	94
54) o-xylene	10.11	106	38133	5.380	ug/L	100

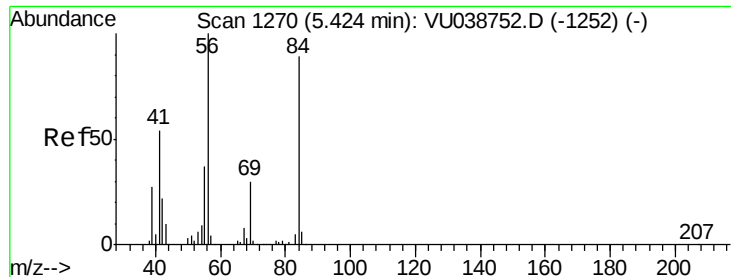
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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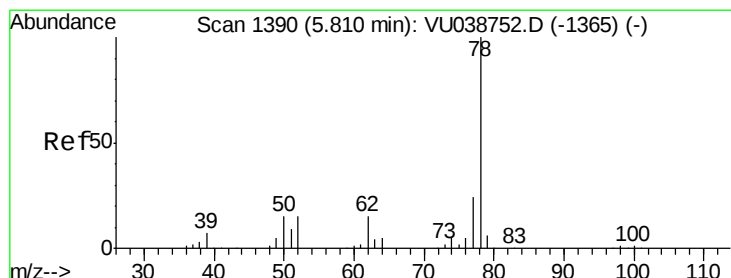
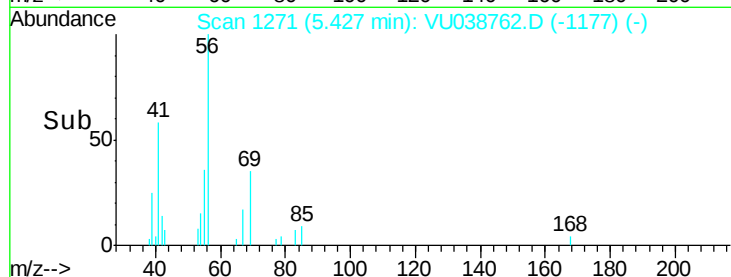
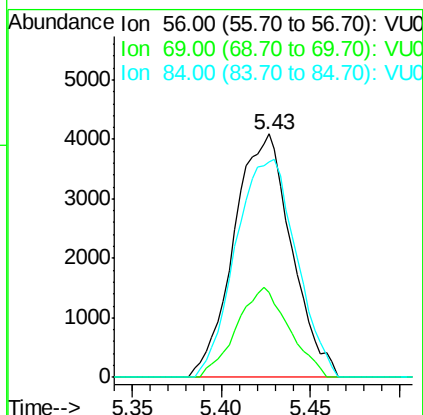
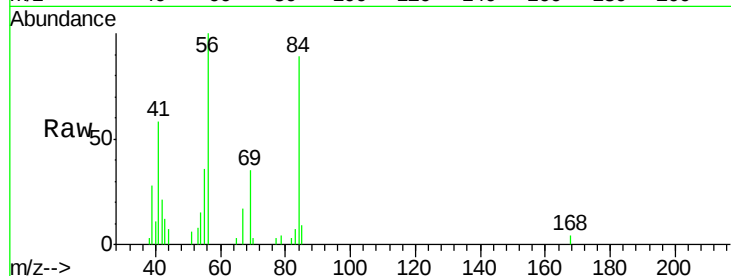




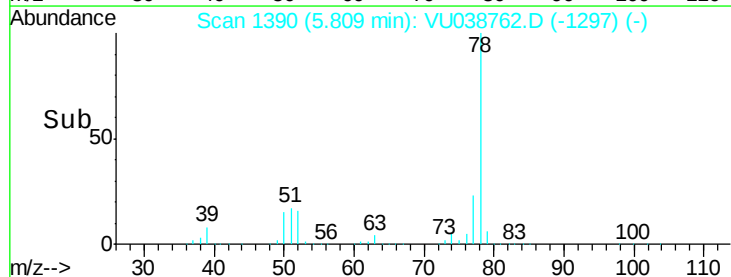
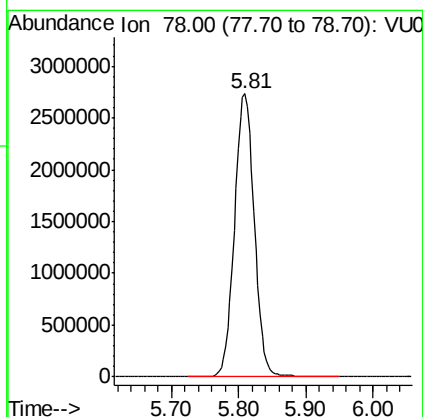
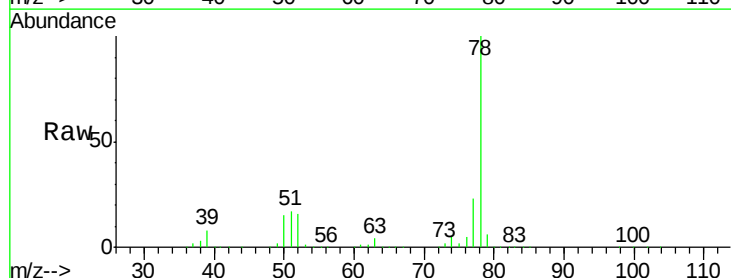
#29
Cyclohexane
Concen: 1.449 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038762.D
Acq: 10 Jun 2020 06:56

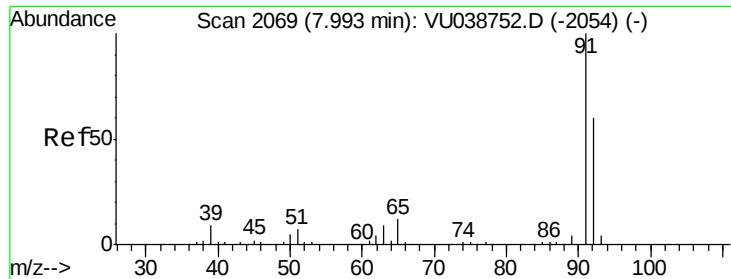
Instrument :
MSVOA_U
ClientSampled :
F9E52

Tot Ion: 56 Resp: 9204
Ion Ratio Lower Upper
56 100
69 33.7 25.1 37.7
84 94.7 70.5 105.7



#33
Benzene
Concen: 337.340 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038762.D
Acq: 10 Jun 2020 06:56
Tgt Ion: 78 Resp: 5559863





#42

Toluene

Concen: 89.307 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038762.D

Acq: 10 Jun 2020 06:56

Instrument :

MSVOA_U

ClientSampleId :

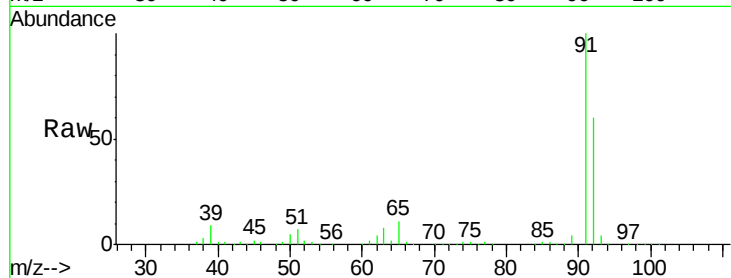
F9E52

Tot Ion: 91 Resp: 1539041

Ion Ratio Lower Upper

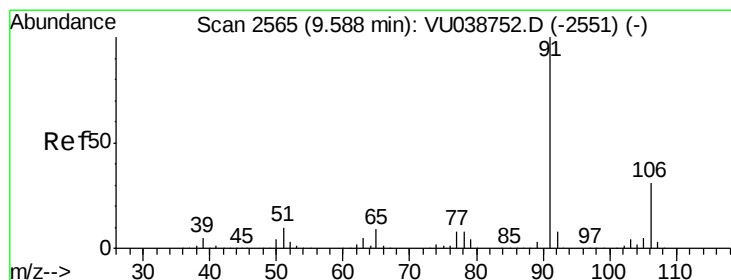
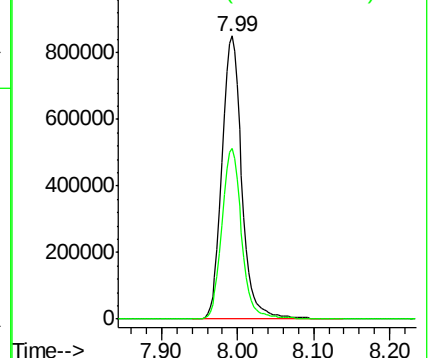
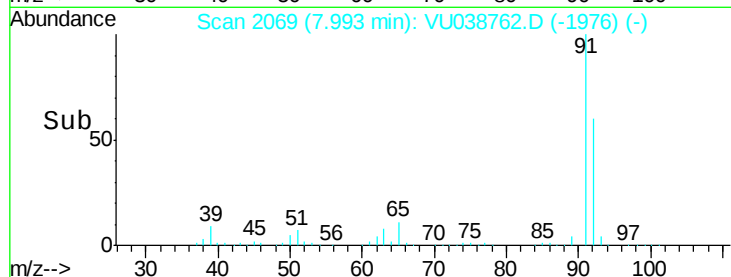
91 100

92 60.4 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#52

Ethylbenzene

Concen: 19.843 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038762.D

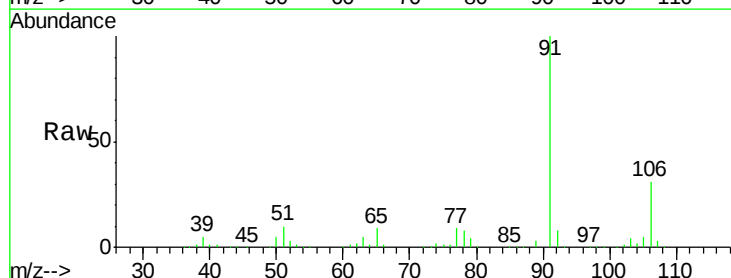
Acq: 10 Jun 2020 06:56

Tgt Ion: 91 Resp: 377392

Ion Ratio Lower Upper

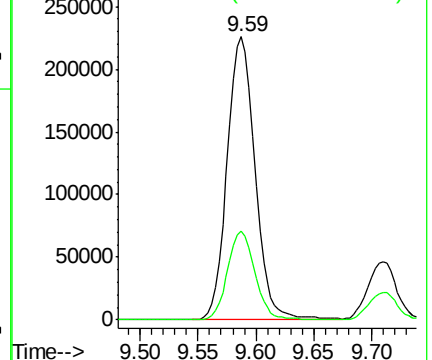
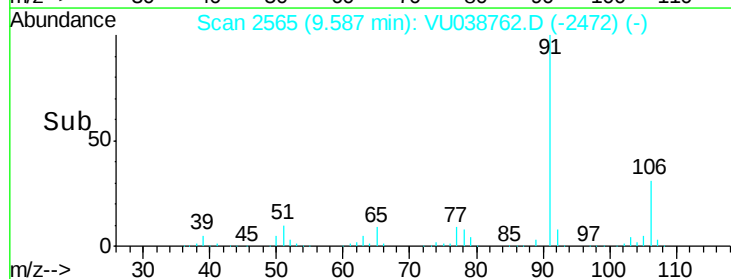
91 100

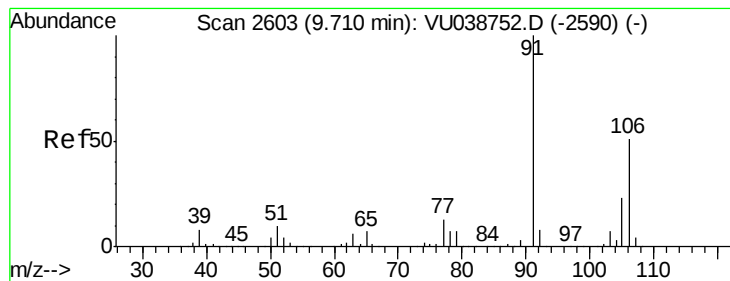
106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 5.168 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038762.D

Acq: 10 Jun 2020 06:56

Instrument :

MSVOA_U

ClientSampleId :

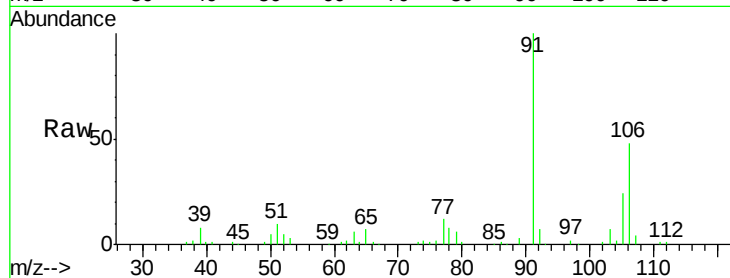
F9E52

Tot Ion:106 Resp: 37732

Ion Ratio Lower Upper

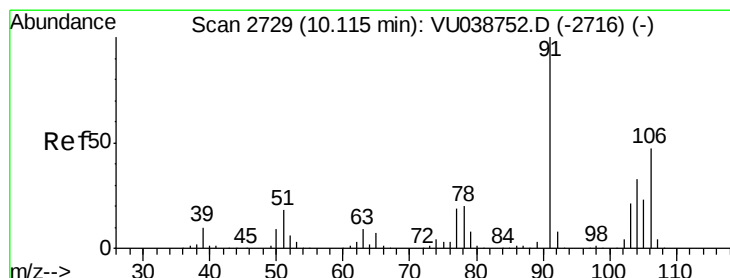
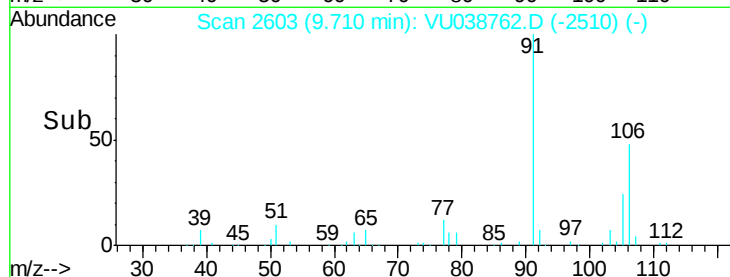
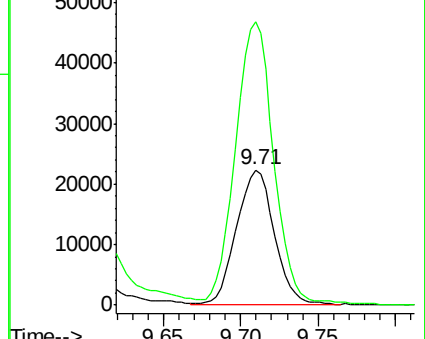
106 100

91 209.1 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 5.380 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038762.D

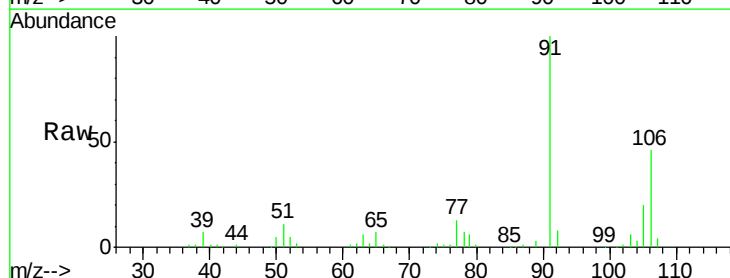
Acq: 10 Jun 2020 06:56

Tgt Ion:106 Resp: 38133

Ion Ratio Lower Upper

106 100

91 215.8 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

