

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038808.D
 Acq On : 11 Jun 2020 04:29
 Operator : SY/MD
 Sample : L2915-15 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E23

Quant Time: Jun 11 07:14:46 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	571398	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	556378	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	265274	50.00	ug/L	0.00

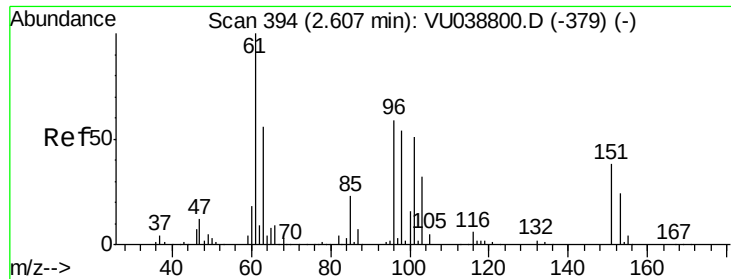
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	180314	56.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.96%
7) Chloroethane-d5	1.93	69	146987	59.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.70%
11) 1,1-Dichloroethene-d2	2.59	63	285213	40.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.98%
21) 2-Butanone-d5	4.66	46	380473	122.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.50%
24) Chloroform-d	5.10	84	373637	54.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.56%
26) 1,2-Dichloroethane-d4	5.74	65	255520	56.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.02%
32) Benzene-d6	5.76	84	753682	56.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.48%
36) 1,2-Dichloropropane-d6	6.72	67	231126	55.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.92%
41) Toluene-d8	7.92	98	651314	53.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.56%
43) trans-1,3-Dichloropropene-	8.20	79	109382	52.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.20%
47) 2-Hexanone-d5	8.65	63	266171	121.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.06%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	330809	53.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.38%
64) 1,2-Dichlorobenzene-d4	12.20	152	263095	57.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2807	0.765	ug/L #	21
27) 1,2-Dichloroethane	5.81	62	37627	6.060	ug/L #	74
29) Cyclohexane	5.43	56	15029	2.361	ug/L	92
33) Benzene	5.81	78	4182318	253.137	ug/L	100
37) 1,2-Dichloropropane	6.72	63	27304	6.342	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	7043	1.061	ug/L #	68
42) Toluene	7.99	91	689393	39.906	ug/L	99
52) Ethylbenzene	9.59	91	408044	21.402	ug/L	99
53) m,p-Xylene	9.71	106	26817	3.664	ug/L	95
54) o-xylene	10.11	106	30143	4.243	ug/L	97
69) Naphthalene	14.11	128	39322	2.006	ug/L	99

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.765 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

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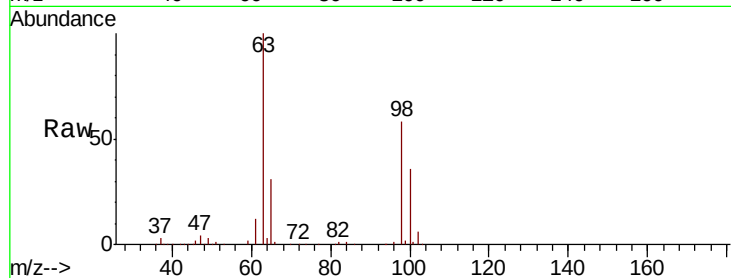
Tot Ion:101 Resp: 2807

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

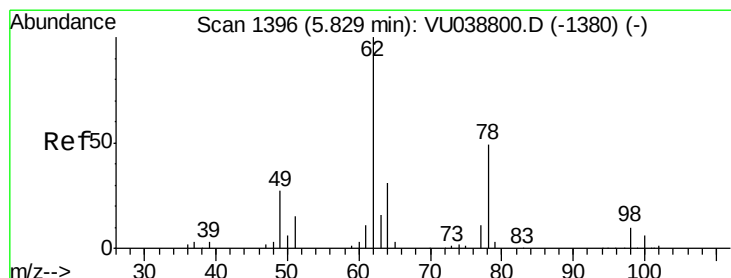
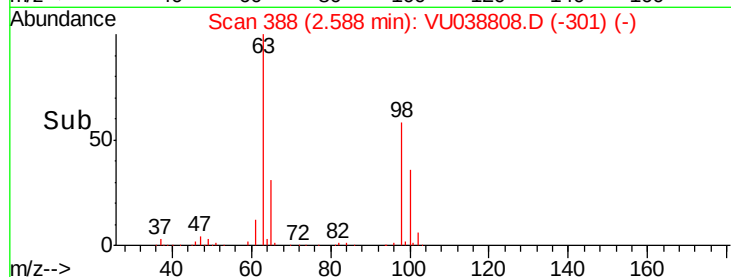
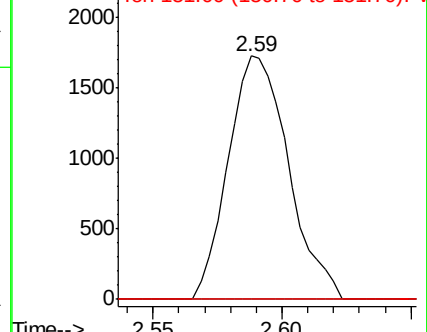
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#27

1,2-Dichloroethane

Concen: 6.060 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VU038808.D

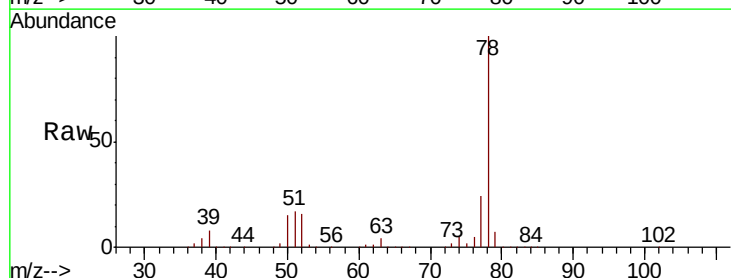
Acq: 11 Jun 2020 04:29

Tgt Ion: 62 Resp: 37627

Ion Ratio Lower Upper

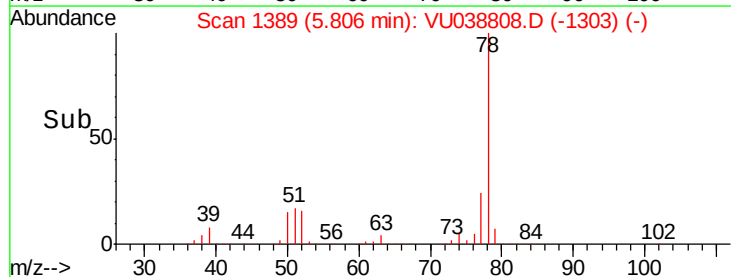
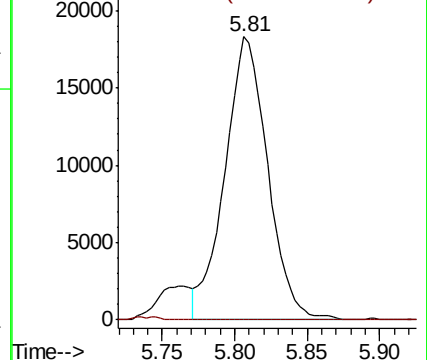
62 100

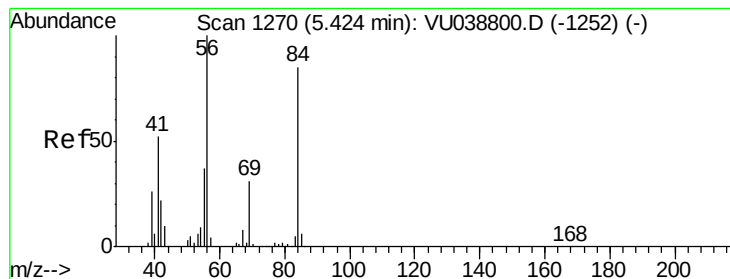
98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 2.361 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU038808.D

Acq: 11 Jun 2020 04:29

Instrument :

MSVOA_U

ClientSampleId :

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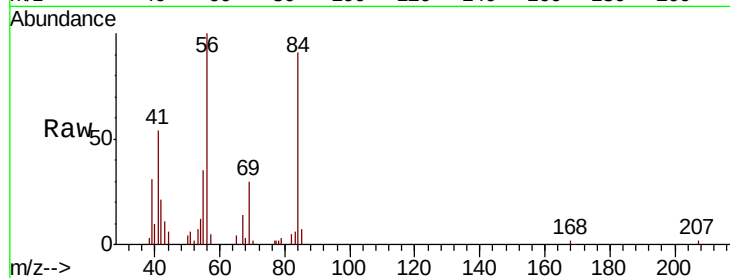
Tot Ion: 56 Resp: 15029

Ion Ratio Lower Upper

56 100

69 32.8 25.1 37.7

84 96.9 70.5 105.7



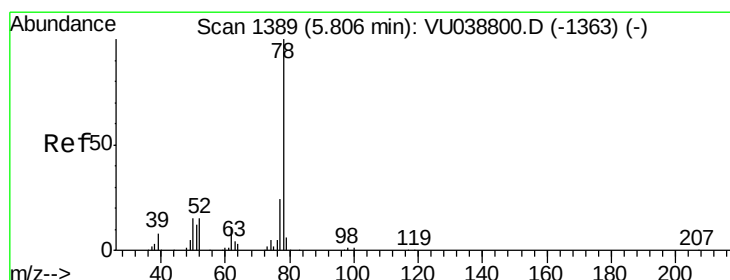
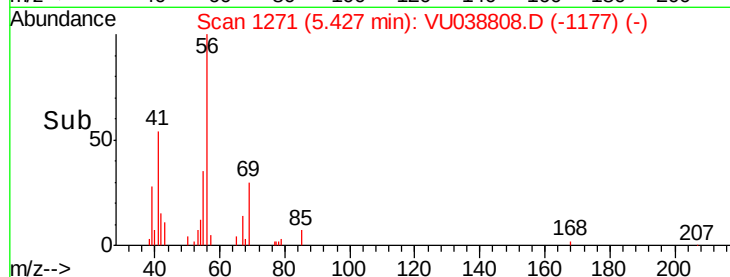
Abundance Ion 56.00 (55.70 to 56.70): VU038808.D (-1252) (-)

Ion 69.00 (68.70 to 69.70): VU038808.D (-1252) (-)

Ion 84.00 (83.70 to 84.70): VU038808.D (-1252) (-)

5.43

Time-->



#33

Benzene

Concen: 253.137 ug/L

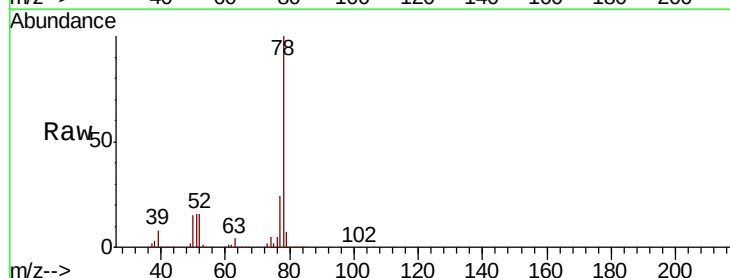
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038808.D

Acq: 11 Jun 2020 04:29

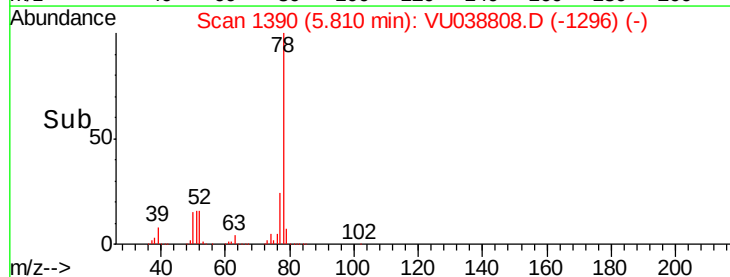
Tgt Ion: 78 Resp: 4182318

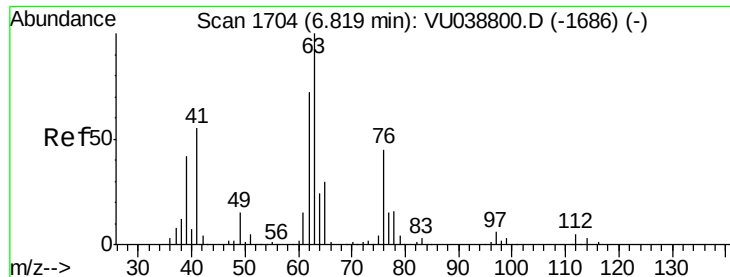


Abundance Ion 78.00 (77.70 to 78.70): VU038808.D (-1363) (-)

5.81

Time-->

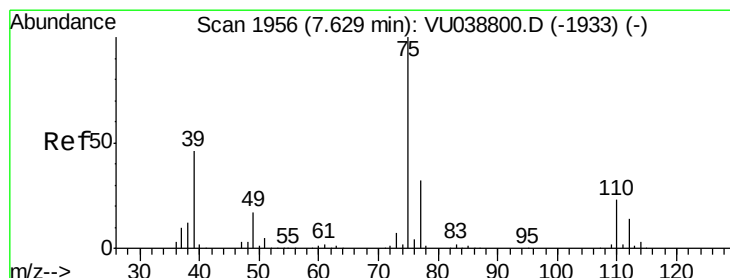
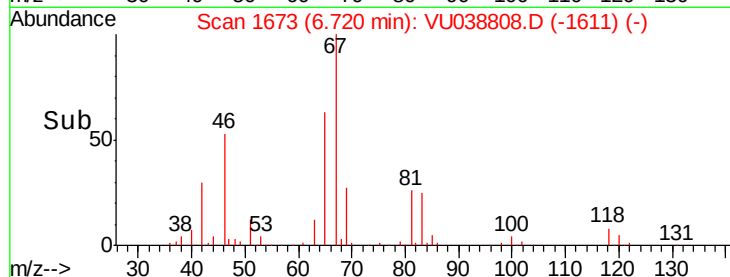
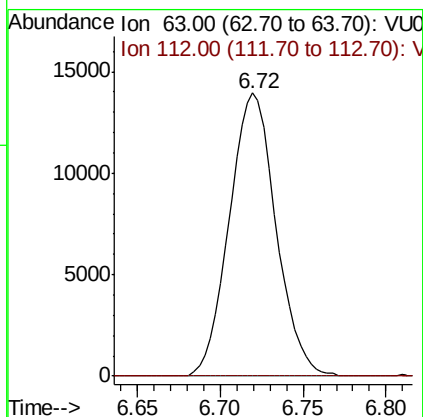
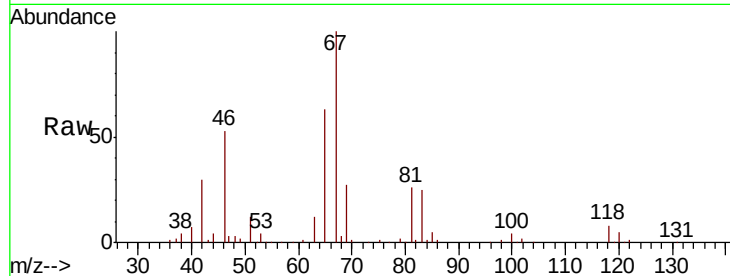




#37
 1,2-Dichloropropane
 Concen: 6.342 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038808.D
 Acq: 11 Jun 2020 04:29

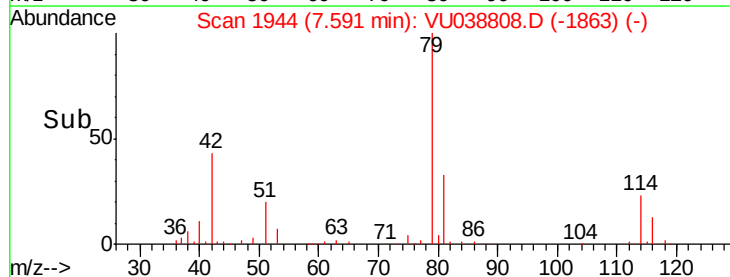
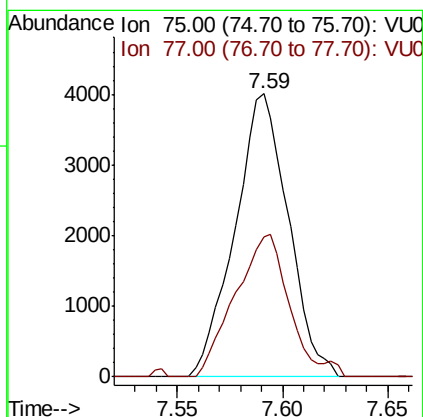
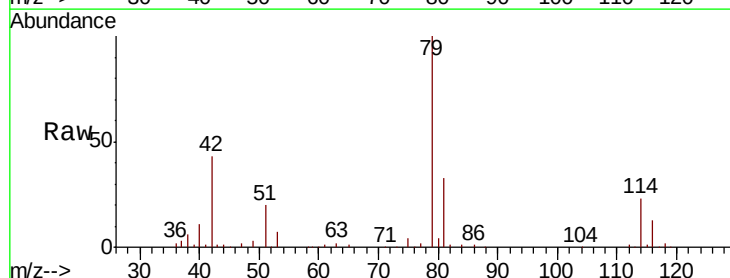
Instrument :
 MSVOA_U
 ClientSampleId :
 F9E23

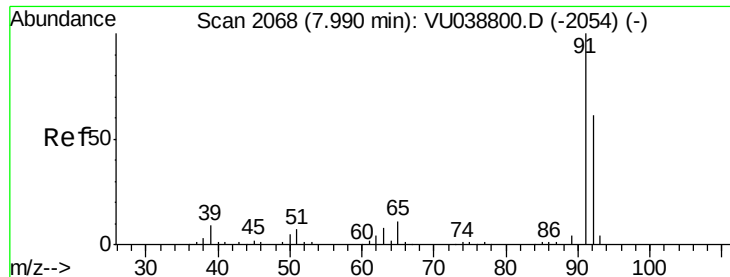
Tot Ion: 63 Resp: 27304
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.061 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038808.D
 Acq: 11 Jun 2020 04:29

Tgt Ion: 75 Resp: 7043
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.2 41.2#





#42

Toluene

Concen: 39.906 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038808.D

Acq: 11 Jun 2020 04:29

Instrument :

MSVOA_U

ClientSampleId :

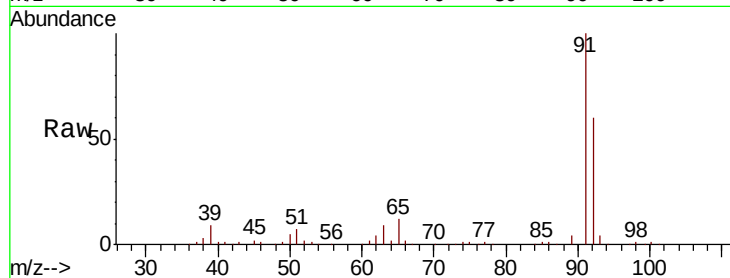
F9E23

Tot Ion: 91 Resp: 689393

Ion Ratio Lower Upper

91 100

92 59.6 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038808.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038808.D (-2054) (-)

7.99

400000

300000

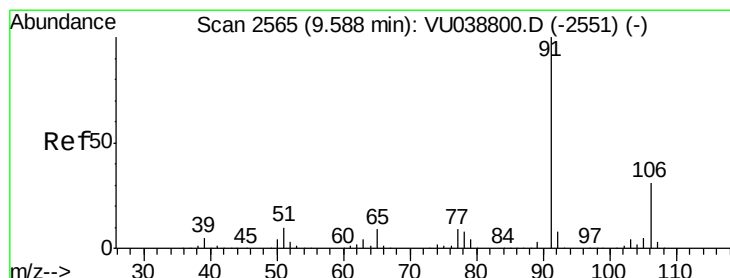
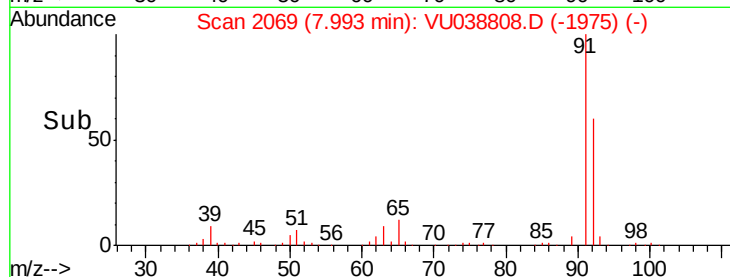
200000

100000

0

7.90 8.00 8.10

Time-->



#52

Ethylbenzene

Concen: 21.402 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038808.D

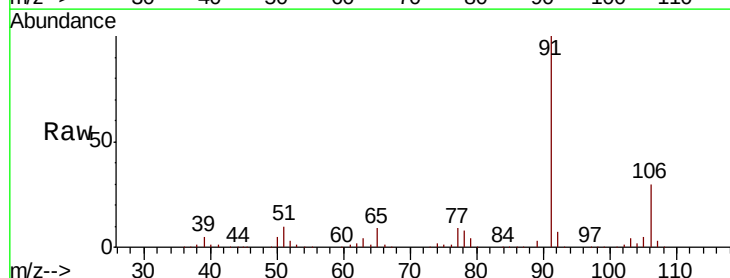
Acq: 11 Jun 2020 04:29

Tgt Ion: 91 Resp: 408044

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038808.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU038808.D (-2551) (-)

9.59

250000

200000

150000

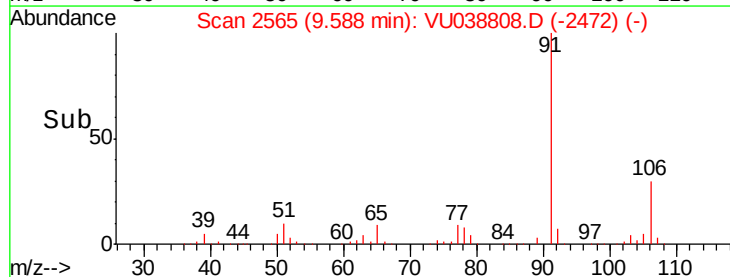
100000

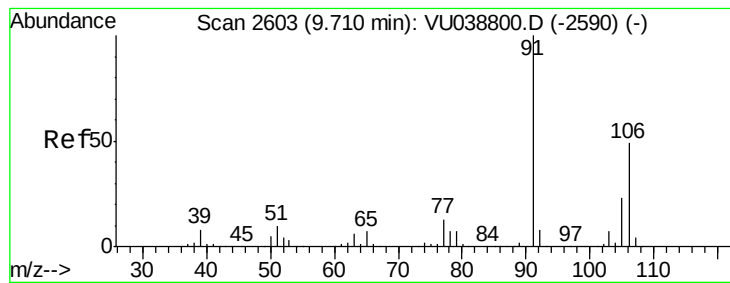
50000

0

9.50 9.55 9.60 9.65 9.70

Time-->





#53

m,p-Xylene

Concen: 3.664 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038808.D

Acq: 11 Jun 2020 04:29

Instrument :

MSVOA_U

ClientSampleId :

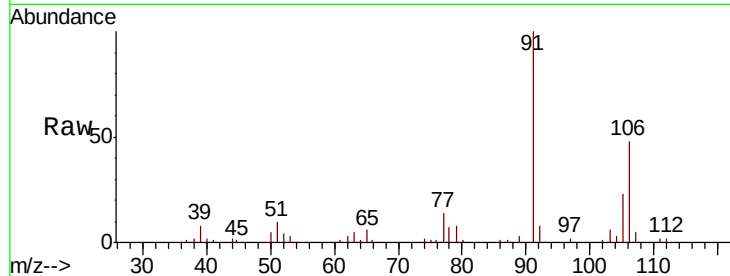
F9E23

Tot Ion:106 Resp: 26817

Ion Ratio Lower Upper

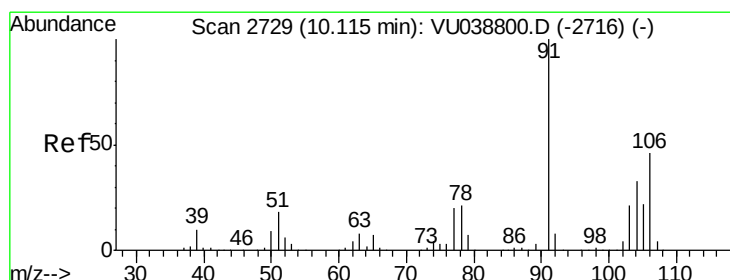
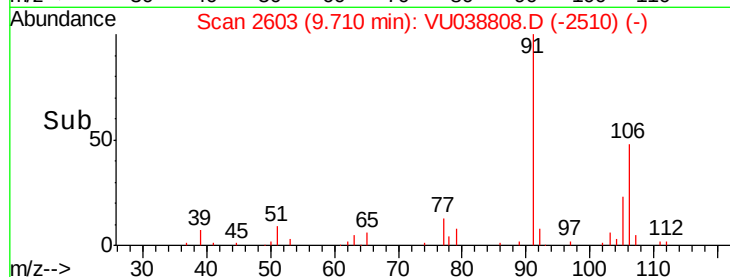
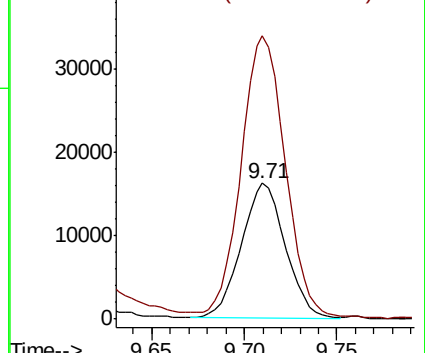
106 100

91 208.1 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.243 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU038808.D

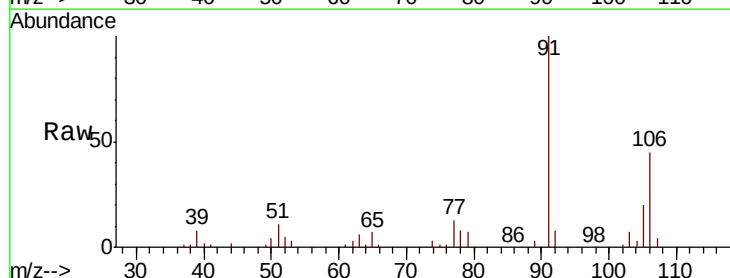
Acq: 11 Jun 2020 04:29

Tgt Ion:106 Resp: 30143

Ion Ratio Lower Upper

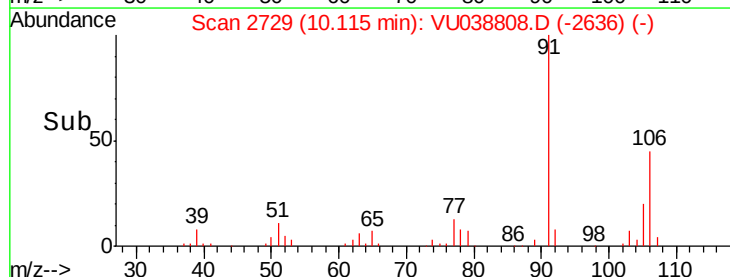
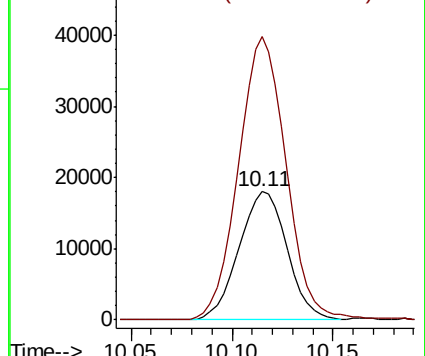
106 100

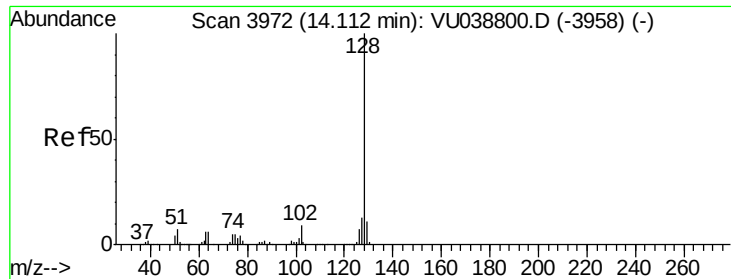
91 221.3 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 2.006 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU038808.D

Acq: 11 Jun 2020 04:29

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion:128 Resp: 39322

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.4 8.6 12.8

