

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038803.D
 Acq On : 11 Jun 2020 02:39
 Operator : SY/MD
 Sample : L2915-10 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E18

Quant Time: Jun 11 07:14:00 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	544659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	510752	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	242365	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	172058	56.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.08%
7) Chloroethane-d5	1.93	69	138404	58.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.26%
11) 1,1-Dichloroethene-d2	2.59	63	259335	39.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.20%
21) 2-Butanone-d5	4.67	46	366217	123.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.70%
24) Chloroform-d	5.10	84	356313	54.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.62%
26) 1,2-Dichloroethane-d4	5.74	65	251326	57.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.60%
32) Benzene-d6	5.76	84	711889	57.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.72%
36) 1,2-Dichloropropane-d6	6.72	67	218875	57.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.44%
41) Toluene-d8	7.92	98	593291	53.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.72%
43) trans-1,3-Dichloropropene-	8.20	79	105623	55.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.66%
47) 2-Hexanone-d5	8.65	63	255826	126.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.75%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	322423	57.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.02%
64) 1,2-Dichlorobenzene-d4	12.20	152	241763	57.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.90%

Target Compounds

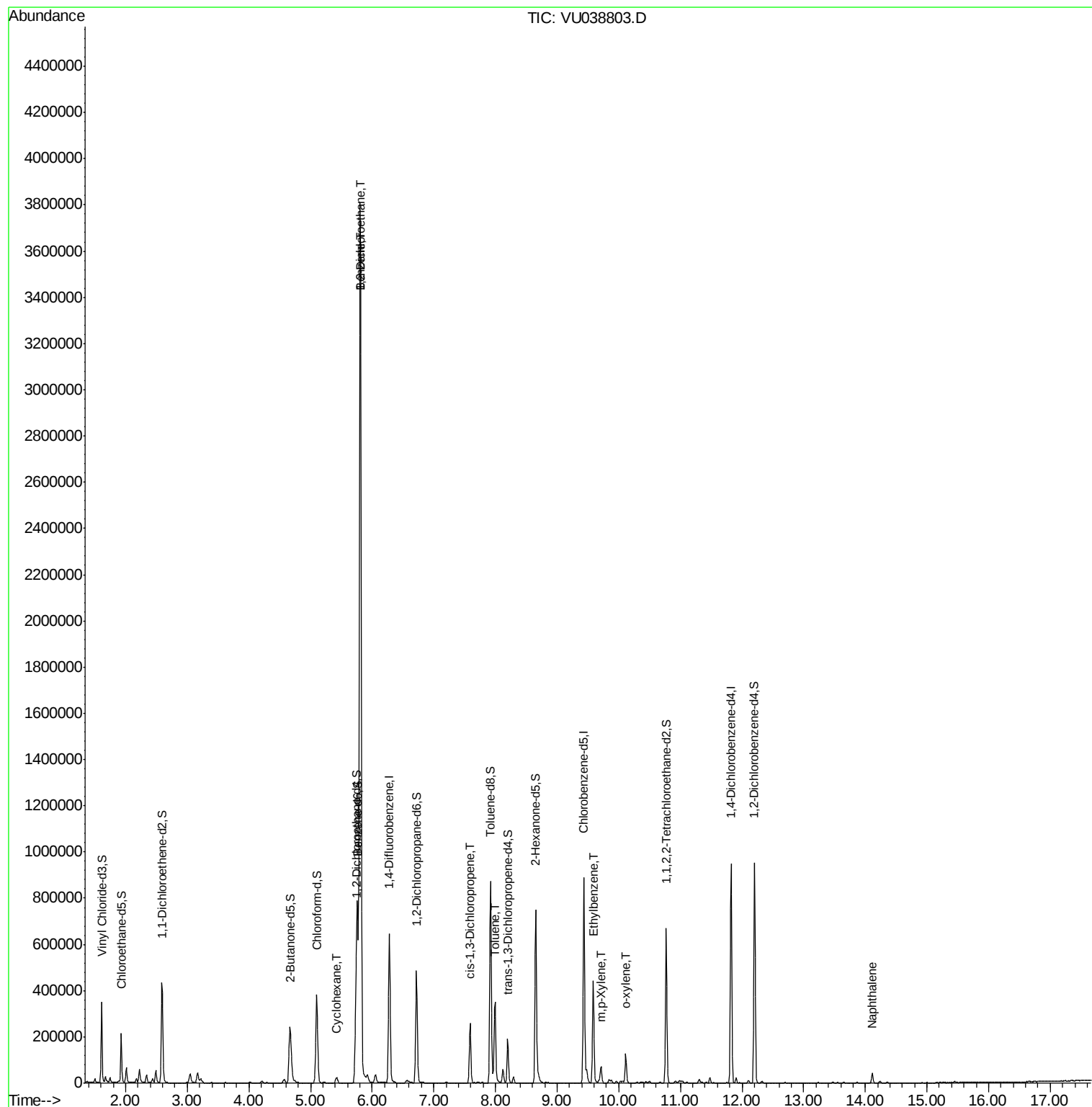
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	32986	5.574	ug/L #	74
29) Cyclohexane	5.42	56	11818	2.022	ug/L	98
33) Benzene	5.81	78	3596700	237.139	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6383	1.047	ug/L #	66
42) Toluene	7.99	91	260800	16.445	ug/L	99
52) Ethylbenzene	9.59	91	324698	18.552	ug/L	98
53) m,p-Xylene	9.71	106	17785	2.647	ug/L	80
54) o-xylene	10.11	106	35291	5.411	ug/L	89
69) Naphthalene	14.11	128	34476	1.925	ug/L	98

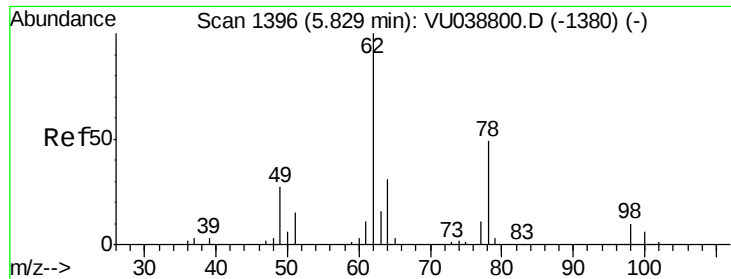
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 11 07:12:16 2020
Response via : Initial Calibration

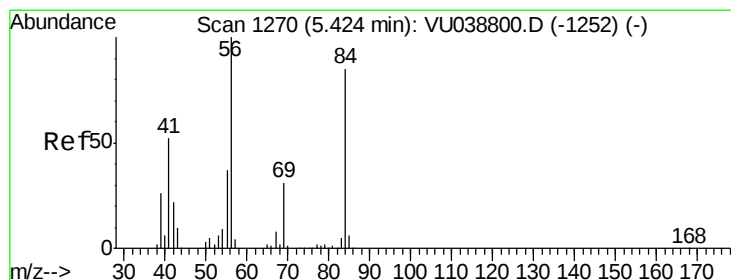
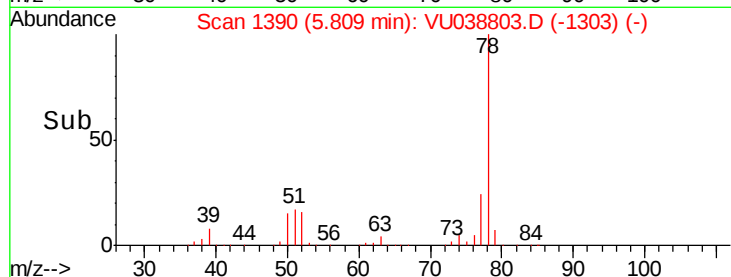
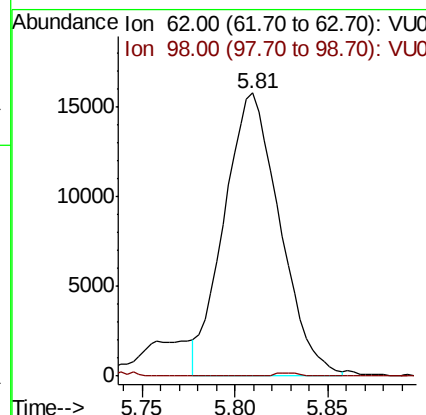
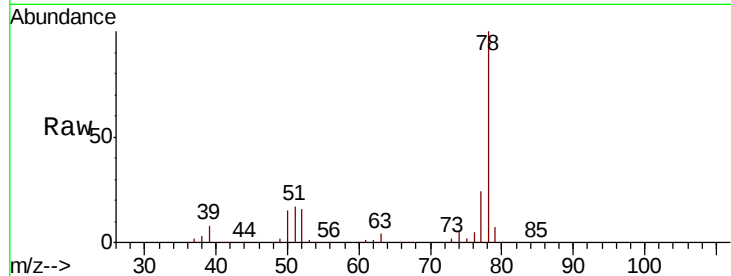




#27
 1,2-Dichloroethane
 Concen: 5.574 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038803.D
 Acq: 11 Jun 2020 02:39

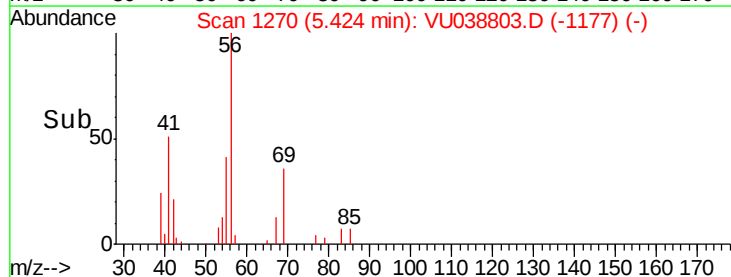
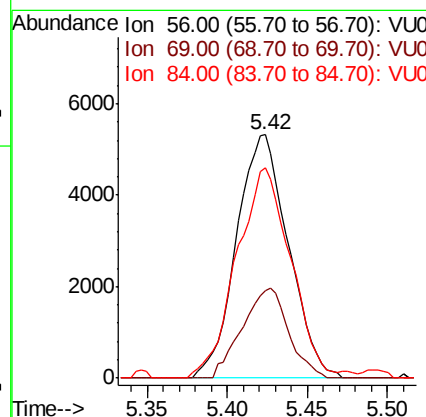
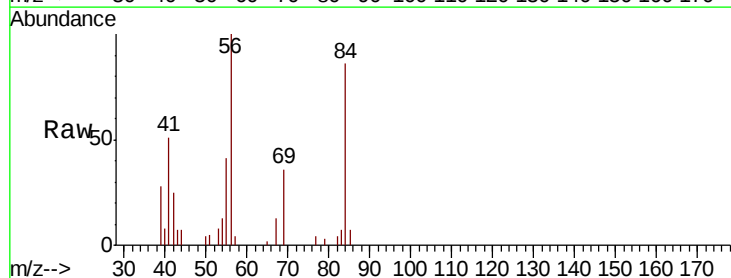
Instrument :
 MSVOA_U
 ClientSampleId :
 F9E18

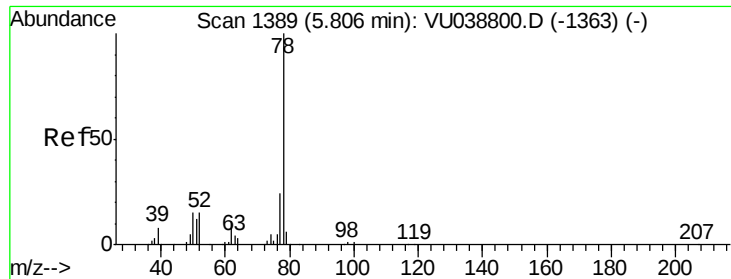
Tot Ion: 62 Resp: 32986
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



#29
 Cyclohexane
 Concen: 2.022 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038803.D
 Acq: 11 Jun 2020 02:39

Tgt Ion: 56 Resp: 11818
 Ion Ratio Lower Upper
 56 100
 69 32.9 25.1 37.7
 84 89.9 70.5 105.7





#33

Benzene

Concen: 237.139 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038803.D

Acq: 11 Jun 2020 02:39

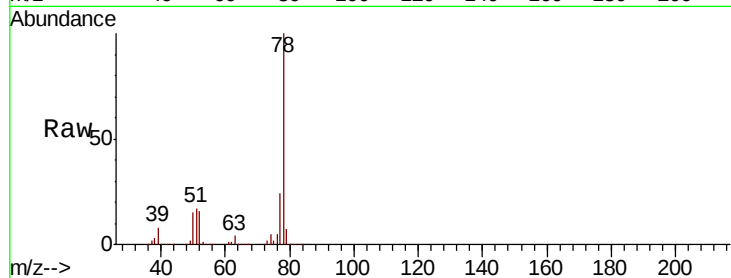
Instrument :

MSVOA_U

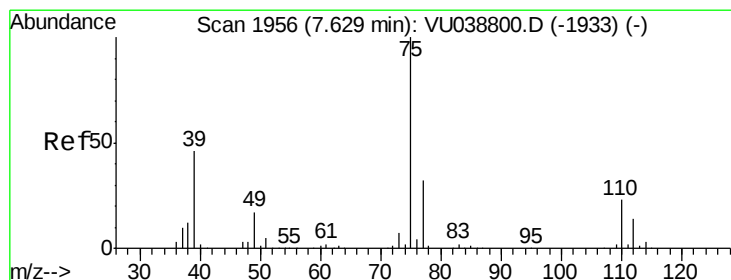
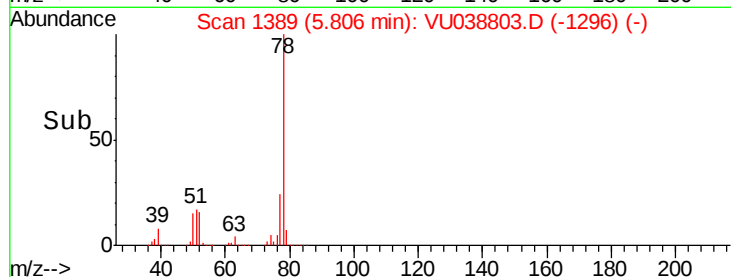
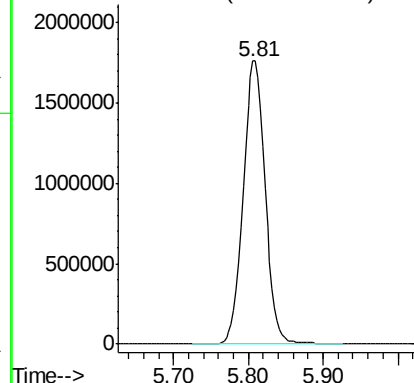
ClientSampleId :

F9E18

Tgt Ion: 78 Resp: 3596700



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 1.047 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038803.D

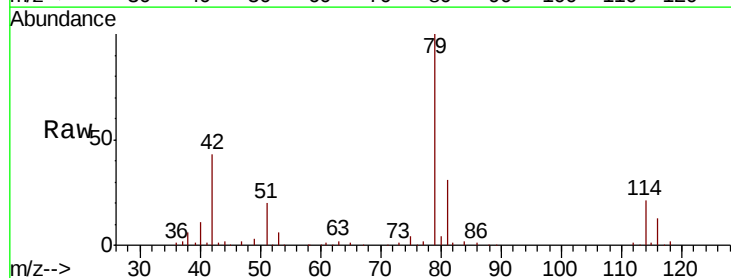
Acq: 11 Jun 2020 02:39

Tgt Ion: 75 Resp: 6383

Ion Ratio Lower Upper

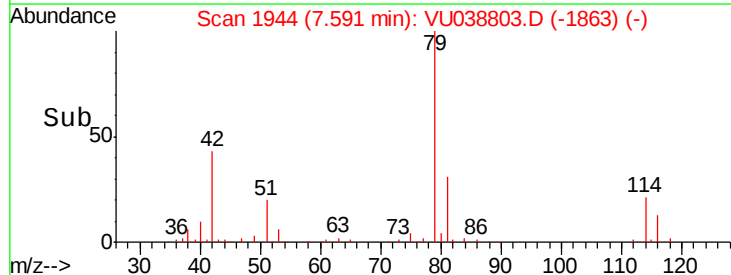
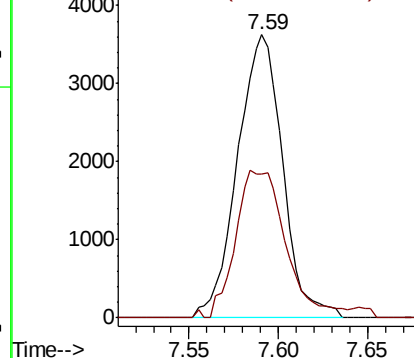
75 100

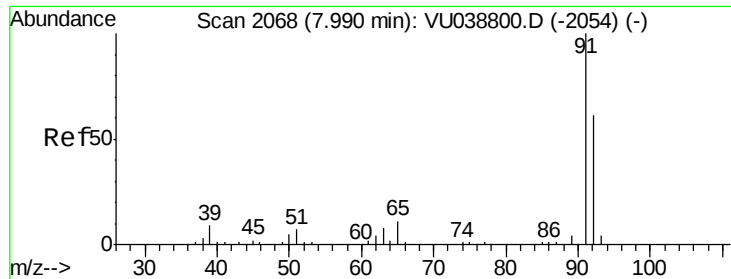
77 50.8 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 16.445 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038803.D

Acq: 11 Jun 2020 02:39

Instrument :

MSVOA_U

ClientSampleId :

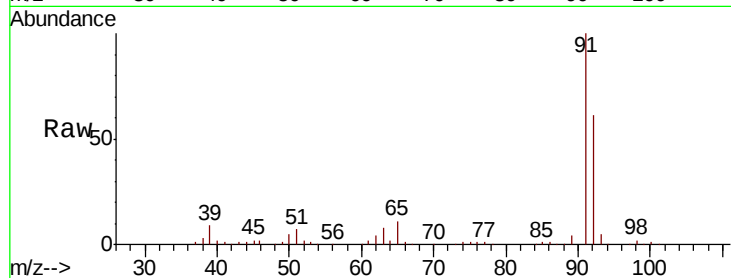
F9E18

Tot Ion: 91 Resp: 260800

Ion Ratio Lower Upper

91 100

92 60.9 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038803.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038803.D (-2054) (-)

7.99

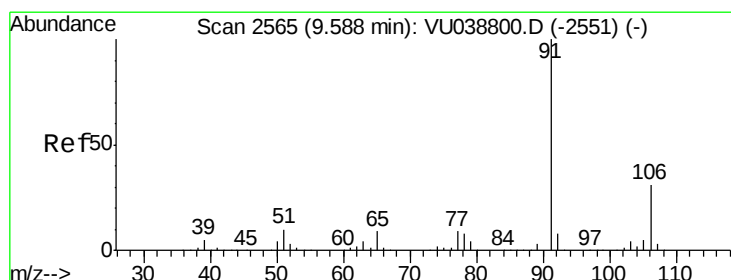
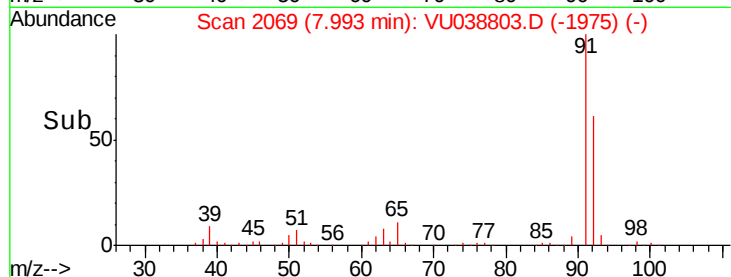
150000

100000

50000

0

Time-->



#52

Ethylbenzene

Concen: 18.552 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038803.D

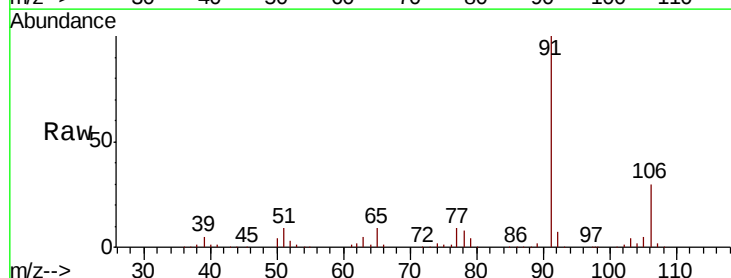
Acq: 11 Jun 2020 02:39

Tgt Ion: 91 Resp: 324698

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038803.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU038803.D (-2551) (-)

9.59

200000

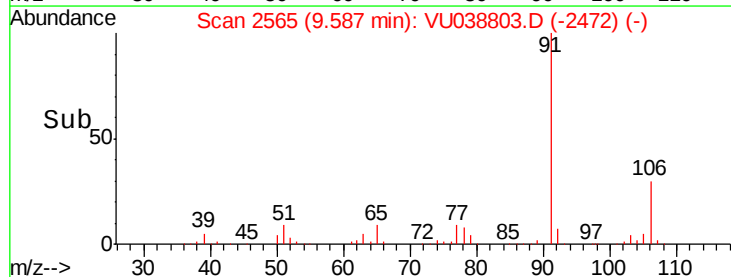
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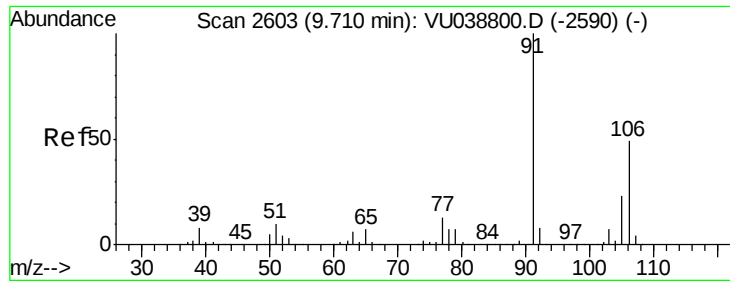
100000

50000

0

Time-->





#53

m,p-Xylene

Concen: 2.647 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038803.D

Acq: 11 Jun 2020 02:39

Instrument :

MSVOA_U

ClientSampled :

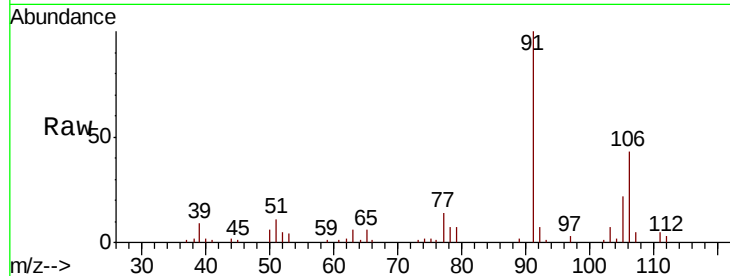
F9E18

Tot Ion:106 Resp: 17785

Ion Ratio Lower Upper

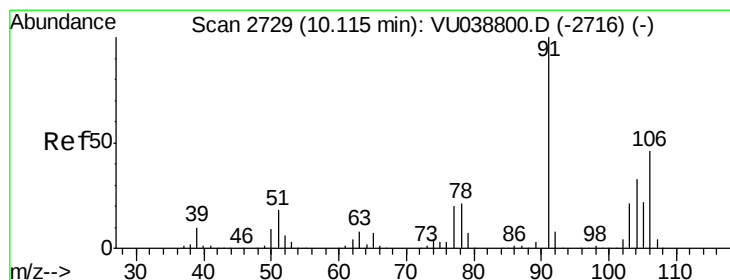
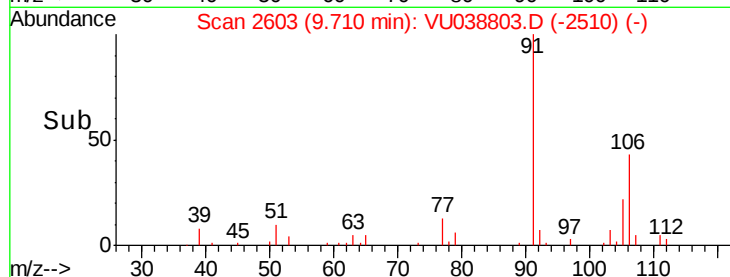
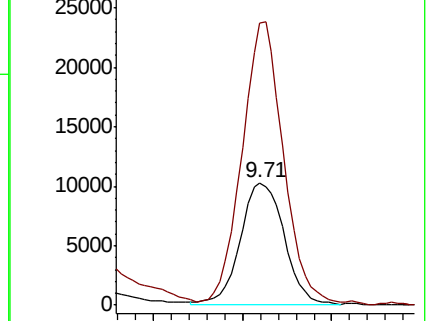
106 100

91 231.2 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 5.411 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038803.D

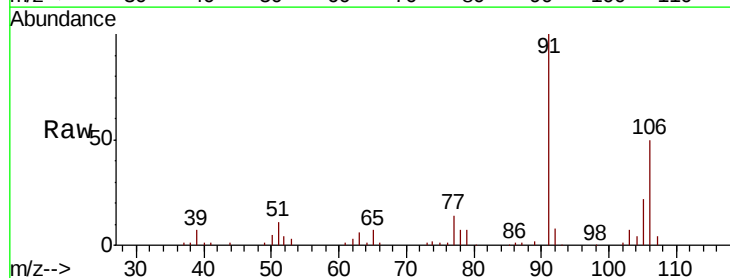
Acq: 11 Jun 2020 02:39

Tgt Ion:106 Resp: 35291

Ion Ratio Lower Upper

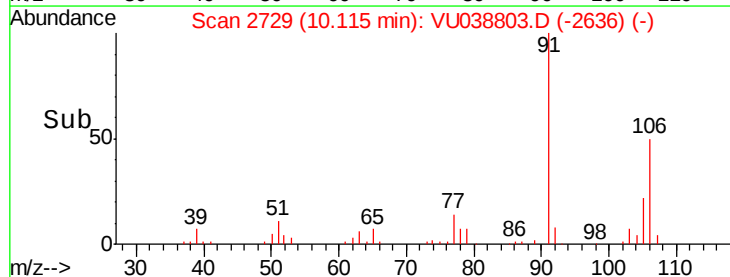
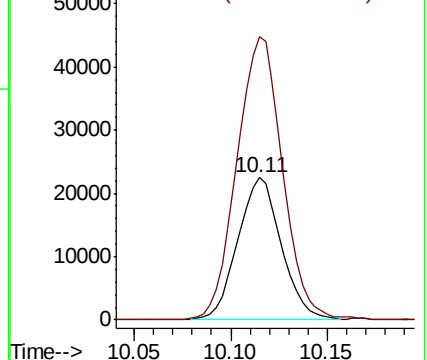
106 100

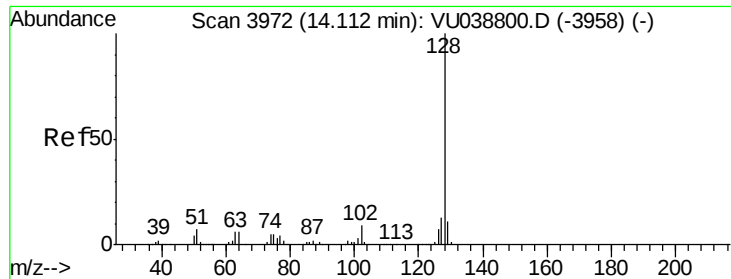
91 198.8 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 1.925 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038803.D

Acq: 11 Jun 2020 02:39

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion:128 Resp: 34476

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 9.7 8.6 12.8

