

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028849.D
 Acq On : 21 Dec 2018 01:08
 Operator : MD/SY
 Sample : J6513-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F56

Quant Time: Dec 21 07:27:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 05:57:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	232937	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	217000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74063	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.32%
7) Chloroethane-d5	1.67	69	60597	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.02%
11) 1,1-Dichloroethene-d2	2.27	63	95384	30.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.74%
21) 2-Butanone-d5	4.18	46	125130	95.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.65	84	129694	44.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.34%
26) 1,2-Dichloroethane-d4	5.31	65	82624	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
32) Benzene-d6	5.34	84	281598	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
36) 1,2-Dichloropropane-d6	6.33	67	97334	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.57	98	255230	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%
43) trans-1,3-Dichloropropene-	7.85	79	42556	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.31	63	106299	107.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	137283	47.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	94649	49.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.44%

Target Compounds

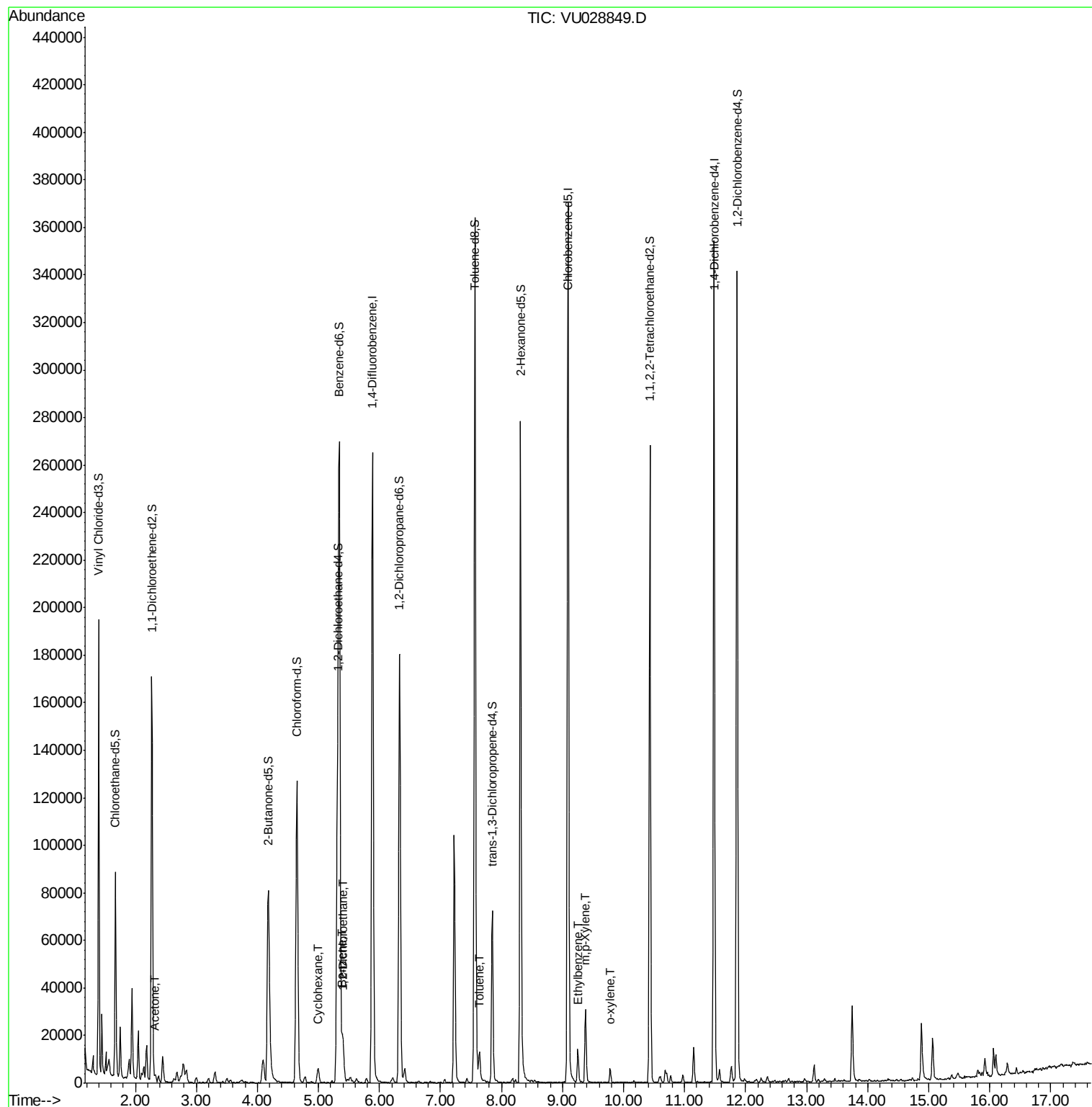
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	2672	2.004	ug/L	85
27) 1,2-Dichloroethane	5.40	62	9089	4.085	ug/L #	94
29) Cyclohexane	5.00	56	3361	1.164	ug/L	96
33) Benzene	5.39	78	12527	1.813	ug/L	100
42) Toluene	7.64	91	8805	1.257	ug/L	97
52) Ethylbenzene	9.25	91	12071	1.604	ug/L	98
53) m,p-Xylene	9.38	106	9638	3.464	ug/L	98
54) o-xylene	9.78	106	1762	0.632	ug/L	94

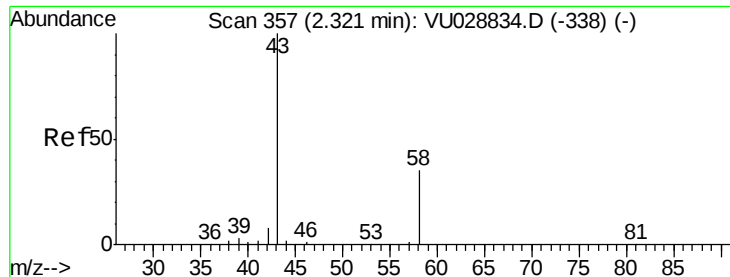
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.004 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028849.D

Acq: 21 Dec 2018 01:08

Instrument :

MSVOA_U

ClientSampleId :

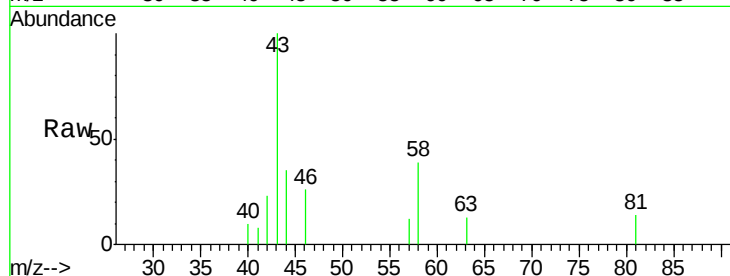
F9F56

Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

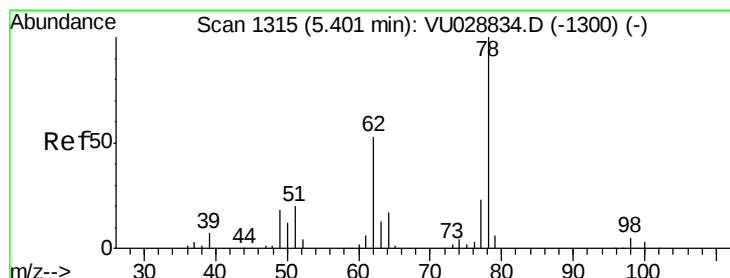
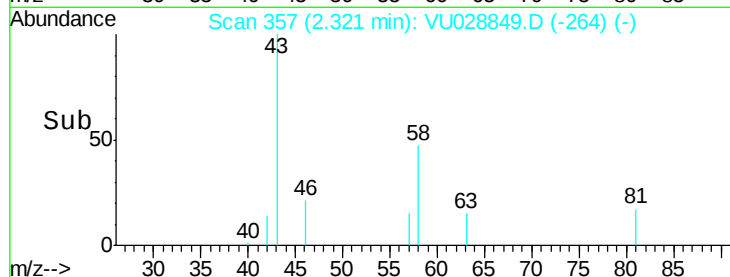
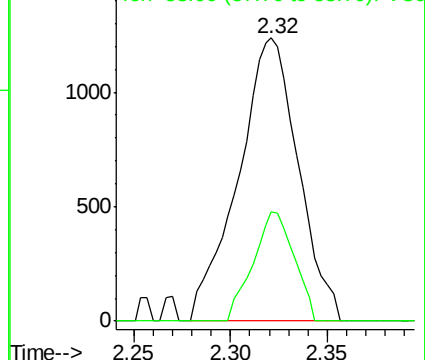
43 100

58 26.3 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

1,2-Dichloroethane

Concen: 4.085 ug/L

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028849.D

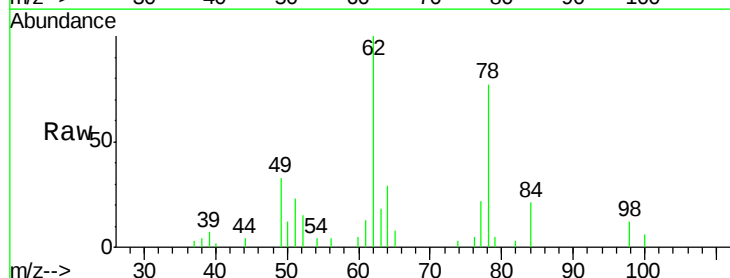
Acq: 21 Dec 2018 01:08

Tgt Ion: 62 Resp: 9089

Ion Ratio Lower Upper

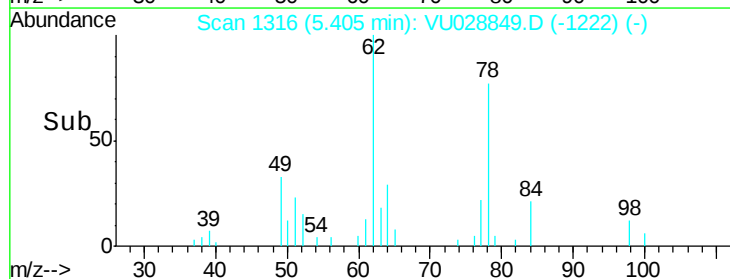
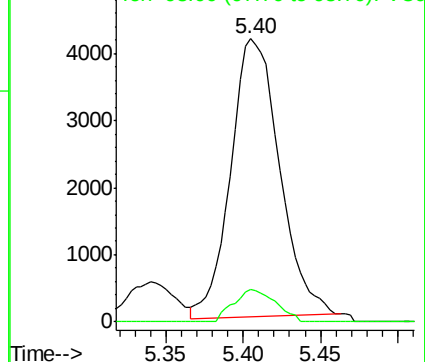
62 100

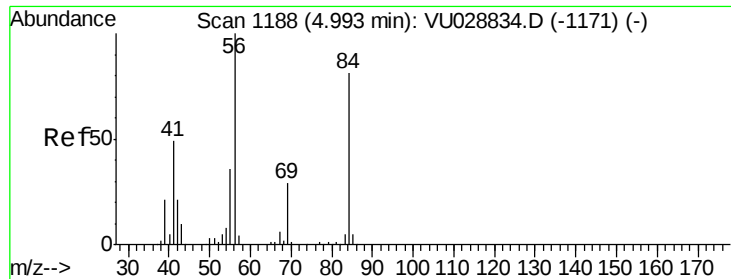
98 11.5 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

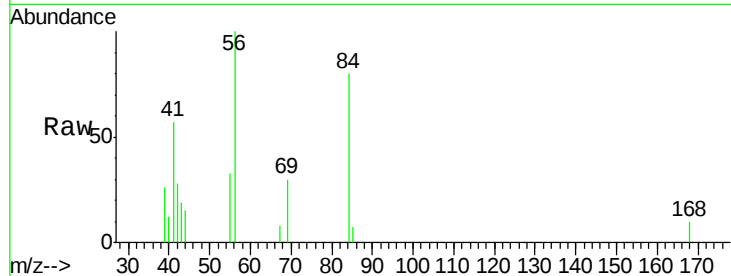




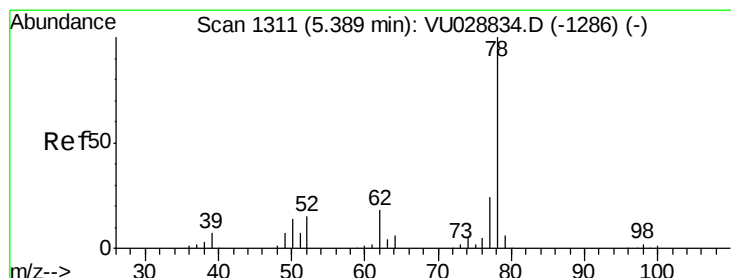
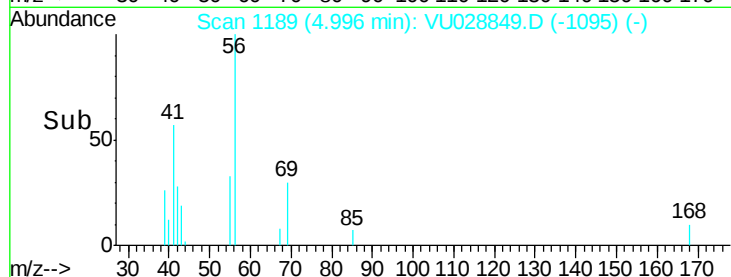
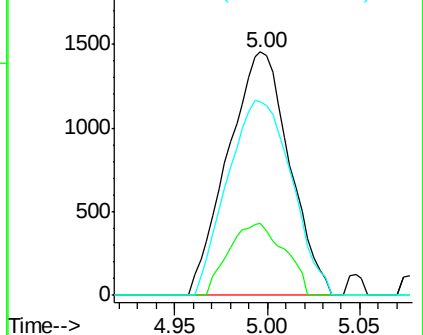
#29
Cyclohexane
Concen: 1.164 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028849.D
Acq: 21 Dec 2018 01:08

Instrument :
MSVOA_U
ClientSampleId :
F9F56

Tgt Ion: 56 Resp: 3361
Ion Ratio Lower Upper
56 100
69 26.7 23.8 35.8
84 83.3 63.8 95.8

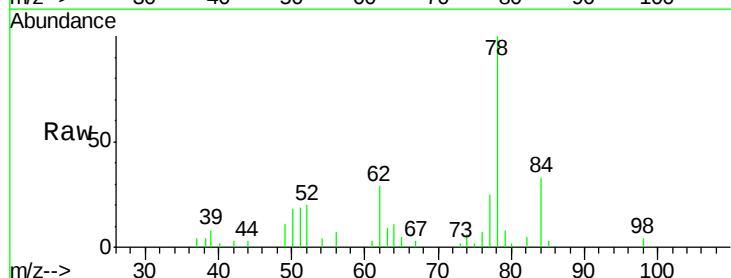


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

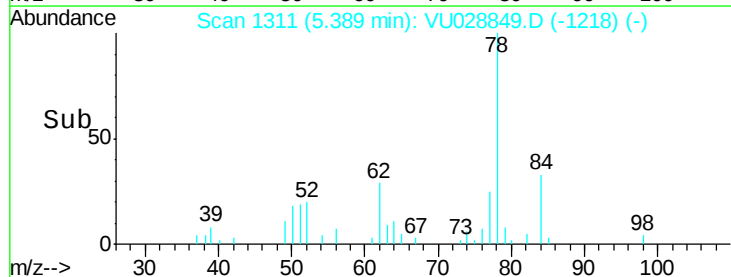
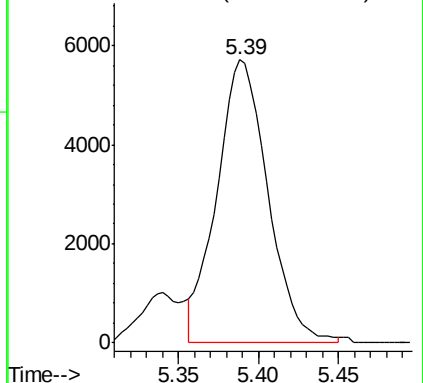


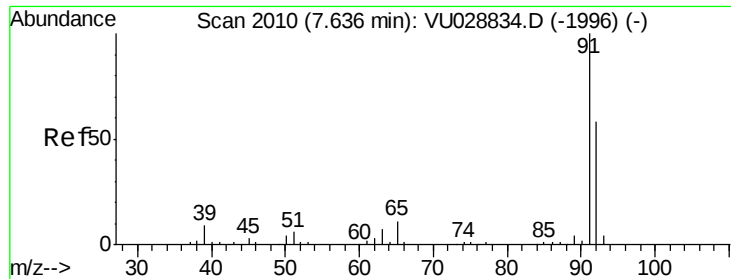
#33
Benzene
Concen: 1.813 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028849.D
Acq: 21 Dec 2018 01:08

Tgt Ion: 78 Resp: 12527



Abundance Ion 78.00 (77.70 to 78.70): VU0





#42

Toluene

Concen: 1.257 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028849.D

Acq: 21 Dec 2018 01:08

Instrument :

MSVOA_U

ClientSampleId :

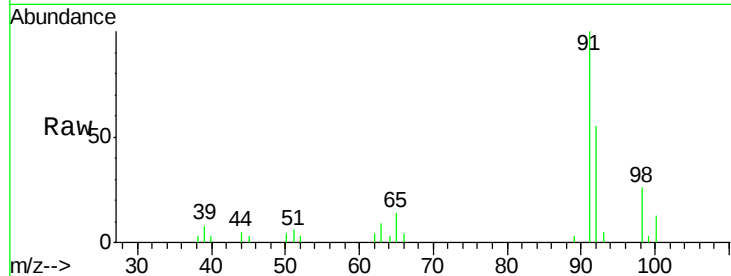
F9F56

Tgt Ion: 91 Resp: 8805

Ion Ratio Lower Upper

91 100

92 55.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

5000

4000

3000

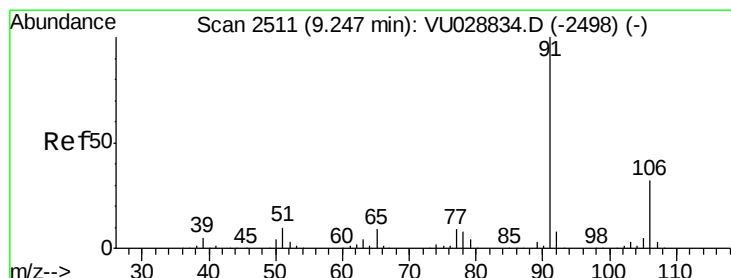
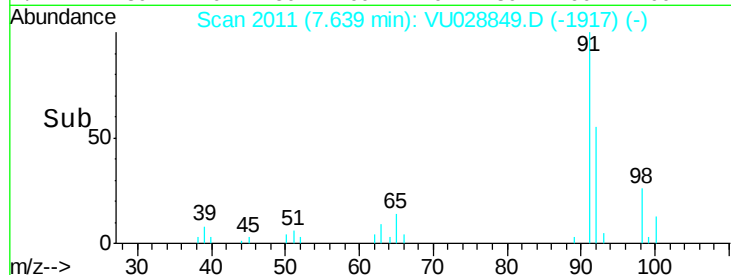
2000

1000

0

Time-->

7.60 7.65 7.70



#52

Ethylbenzene

Concen: 1.604 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028849.D

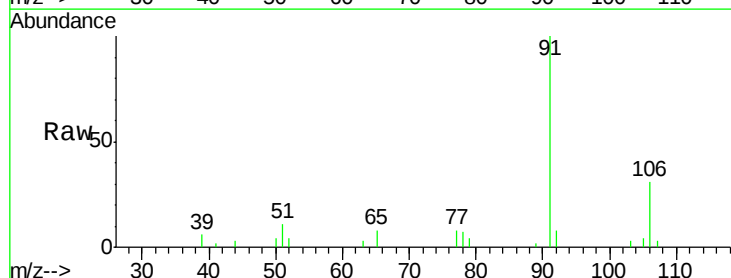
Acq: 21 Dec 2018 01:08

Tgt Ion: 91 Resp: 12071

Ion Ratio Lower Upper

91 100

106 31.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.25

8000

6000

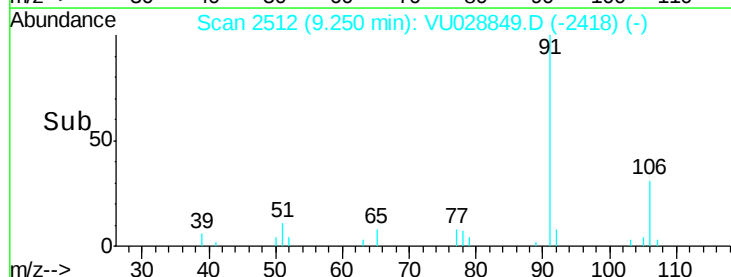
4000

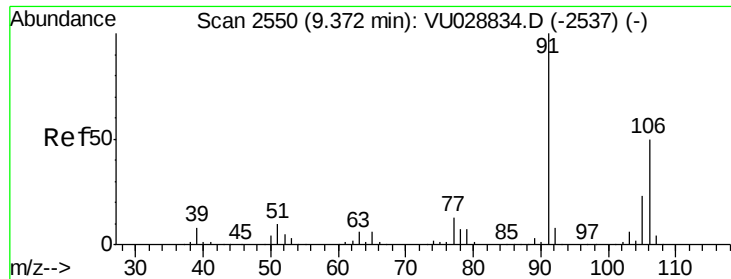
2000

0

Time-->

9.20 9.25 9.30

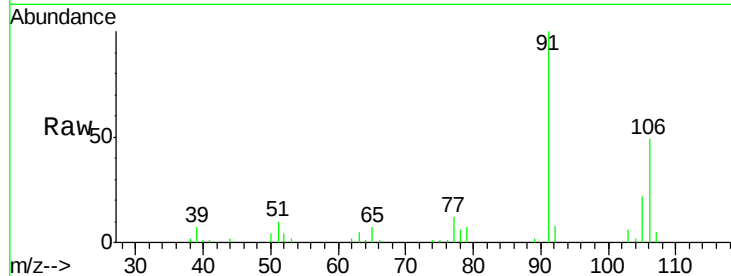




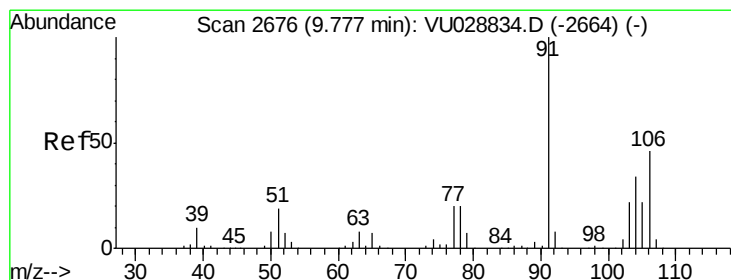
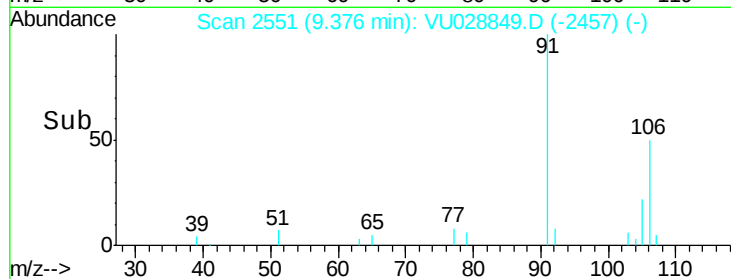
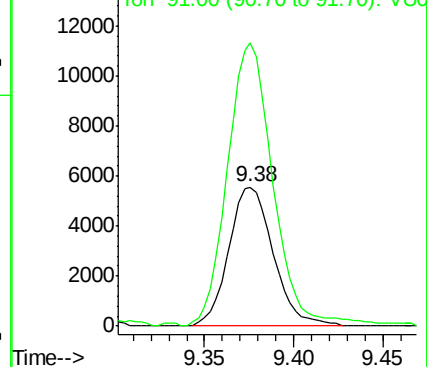
#53
m,p-Xylene
Concen: 3.464 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028849.D
Acq: 21 Dec 2018 01:08

Instrument :
MSVOA_U
ClientSampleId :
F9F56

Tgt Ion:106 Resp: 9638
Ion Ratio Lower Upper
106 100
91 203.1 144.1 267.5

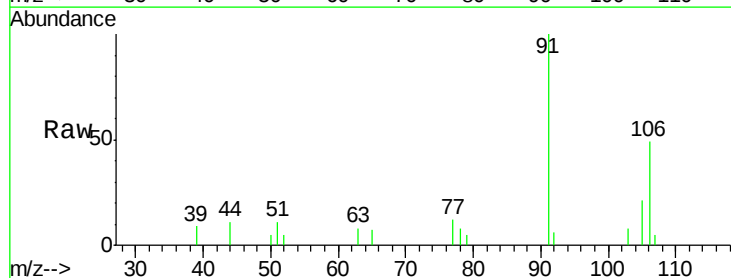


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#54
o-xylene
Concen: 0.632 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028849.D
Acq: 21 Dec 2018 01:08

Tgt Ion:106 Resp: 1762
Ion Ratio Lower Upper
106 100
91 206.0 150.4 279.4



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

