

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028825.D
 Acq On : 20 Dec 2018 15:30
 Operator : MD/SY
 Sample : J6468-21
 Misc : 6.27g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JH9

Quant Time: Dec 21 04:57:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 03:50:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225358	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	118384	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67473	37.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.70%
7) Chloroethane-d5	1.64	69	39651	28.41	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.82%#
11) 1,1-Dichloroethene-d2	2.23	63	87989	28.96	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.92%#
21) 2-Butanone-d5	4.19	46	113017	89.29	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.29%
24) Chloroform-d	4.64	84	112286	39.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.04%
26) 1,2-Dichloroethane-d4	5.30	65	72013	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
32) Benzene-d6	5.33	84	248040	38.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.96%
36) 1,2-Dichloropropane-d6	6.32	67	85986	39.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.54%
41) Toluene-d8	7.56	98	230794	39.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.02%#
43) trans-1,3-Dichloropropene-	7.85	79	39216	39.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.94%
47) 2-Hexanone-d5	8.32	63	100362	96.50	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	136091	44.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	101346	42.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.66%

Target Compounds

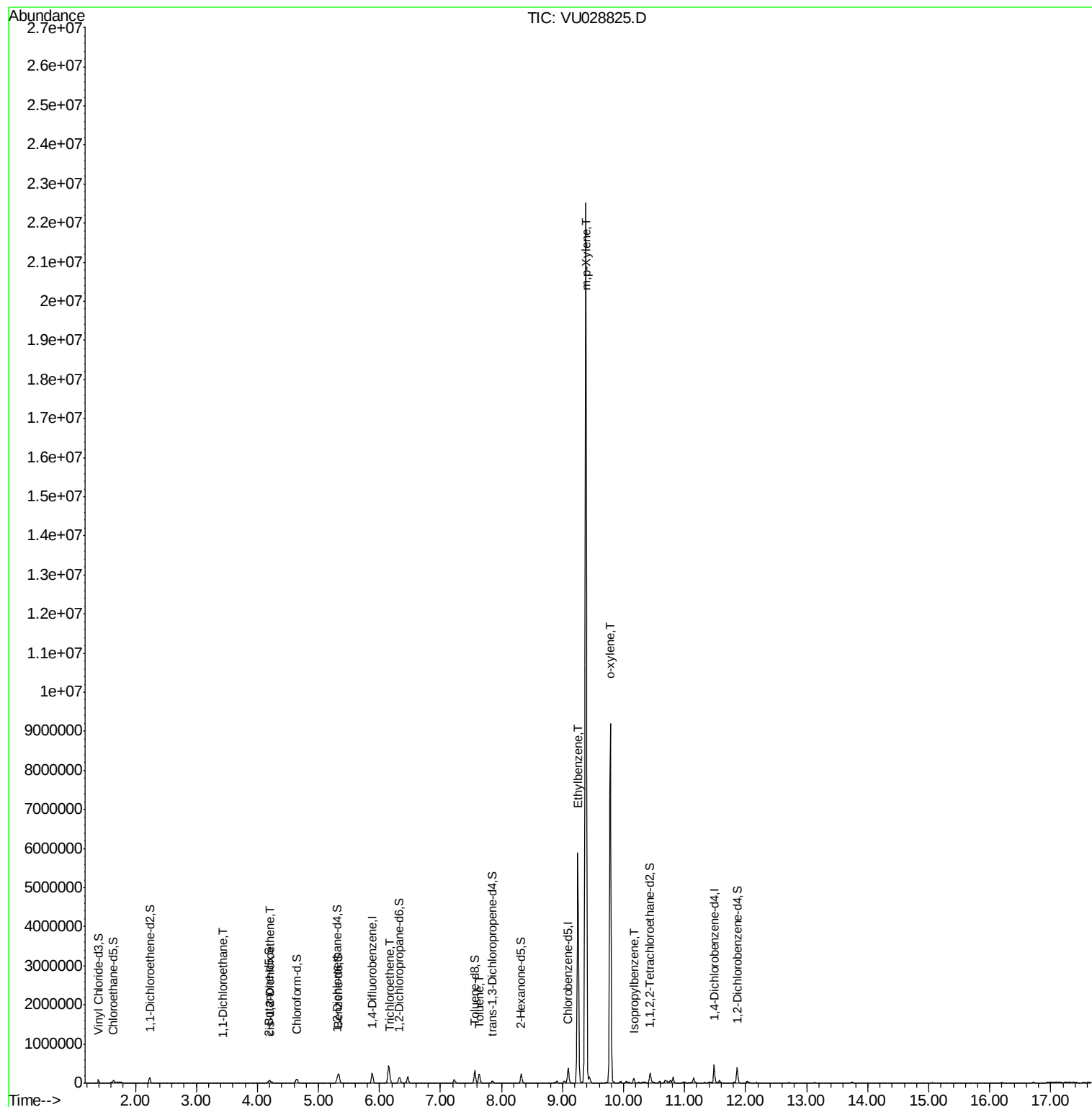
					Qvalue
19) 1,1-Dichloroethane	3.43	63	11401	3.747 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	12477	7.036 ug/L	98
34) Trichloroethene	6.18	95	12933	7.375 ug/L #	86
42) Toluene	7.63	91	190988	25.939 ug/L	99
52) Ethylbenzene	9.25	91	4393886	555.369 ug/L	98
53) m,p-Xylene	9.38	106	6671938	2280.512 ug/L	92
54) o-xylene	9.78	106	2532430	863.652 ug/L	100
56) Isopropylbenzene	10.17	105	82789	11.130 ug/L	99

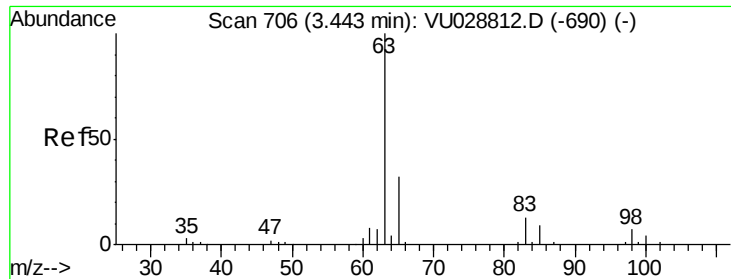
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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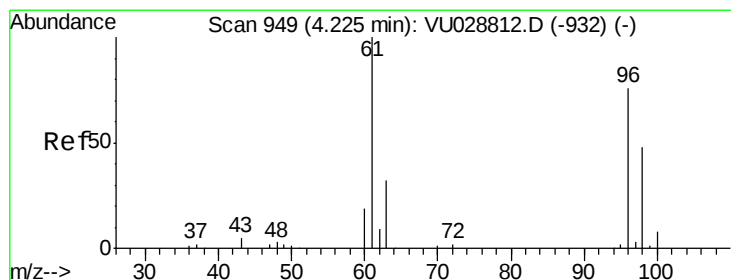
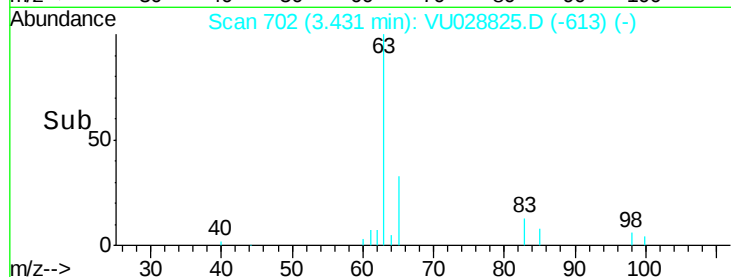
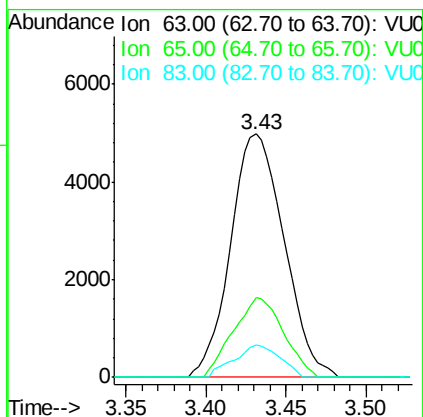
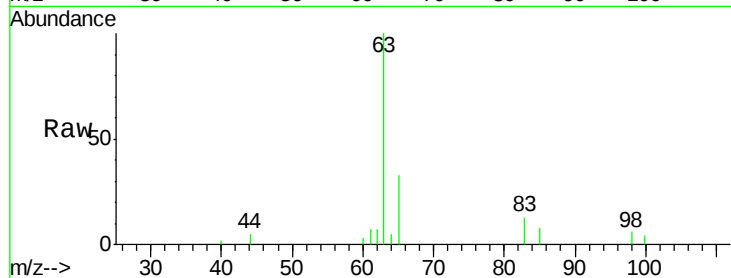




#19
 1,1-Dichloroethane
 Concen: 3.747 ug/L
 RT: 3.43 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VU028825.D
 Acq: 20 Dec 2018 15:30

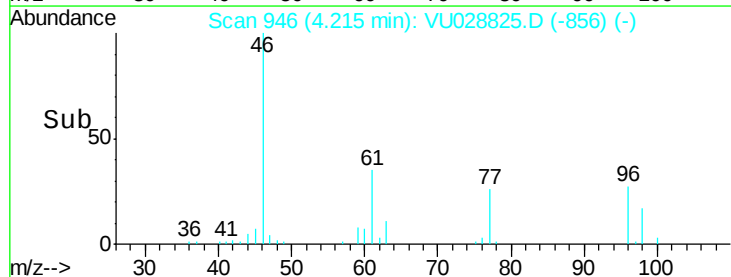
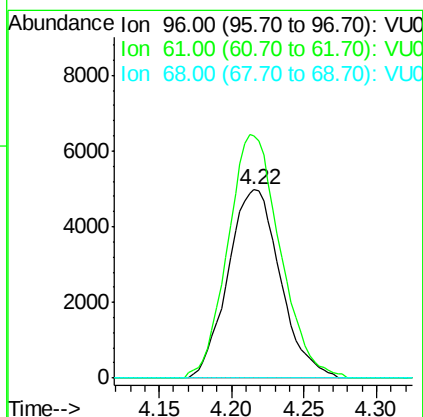
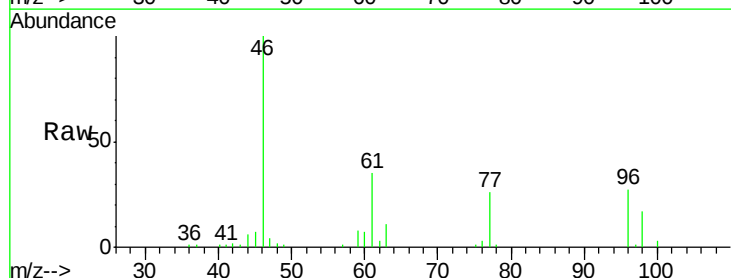
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JH9

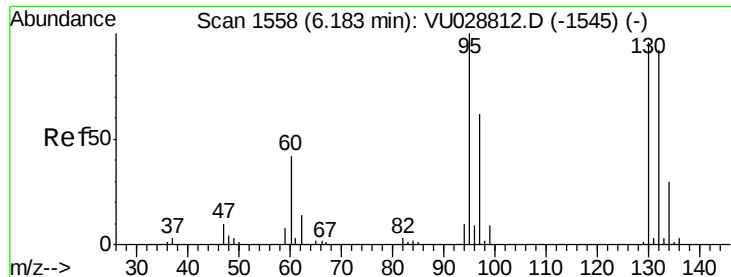
Tgt Ion: 63 Resp: 11401
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.7 42.1
 83 13.3 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 7.036 ug/L
 RT: 4.22 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VU028825.D
 Acq: 20 Dec 2018 15:30

Tgt Ion: 96 Resp: 12477
 Ion Ratio Lower Upper
 96 100
 61 129.0 92.1 171.1
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 7.375 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

C0JH9

Tgt Ion: 95 Resp: 12933

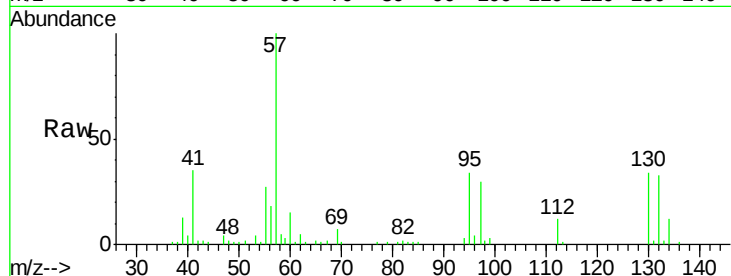
Ion Ratio Lower Upper

95 100

97 89.3 43.3 80.3#

132 100.0 64.2 119.2

130 100.5 67.1 124.7



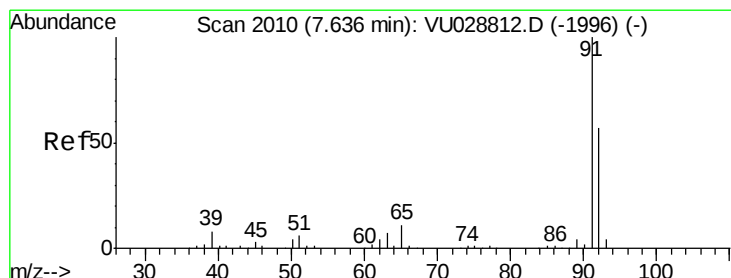
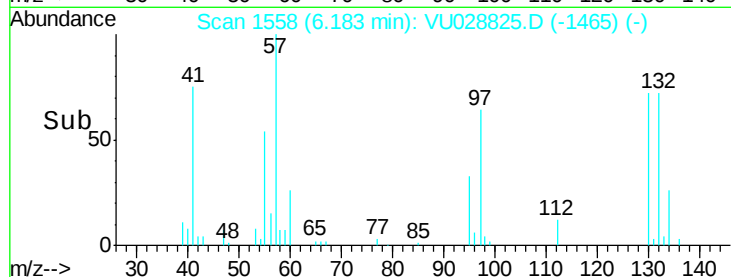
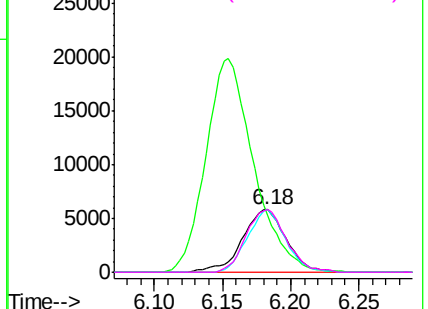
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 25.939 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028825.D

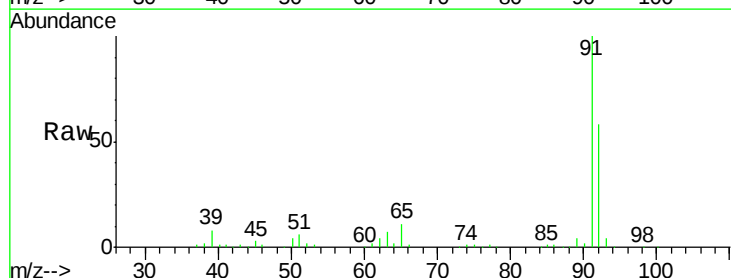
Acq: 20 Dec 2018 15:30

Tgt Ion: 91 Resp: 190988

Ion Ratio Lower Upper

91 100

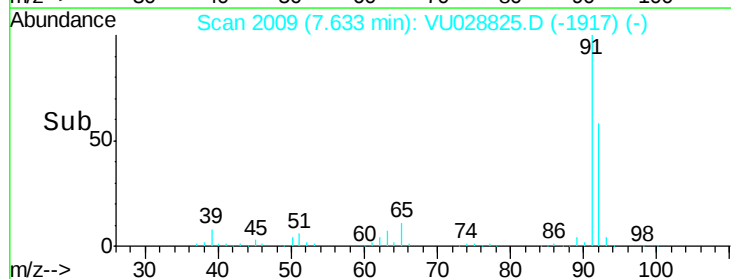
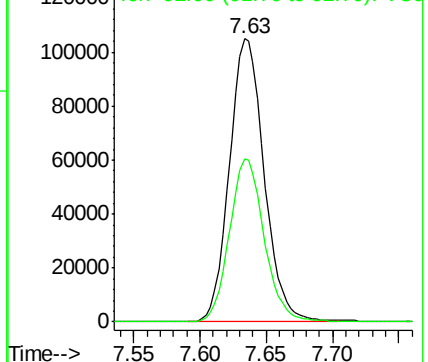
92 57.5 39.9 74.1

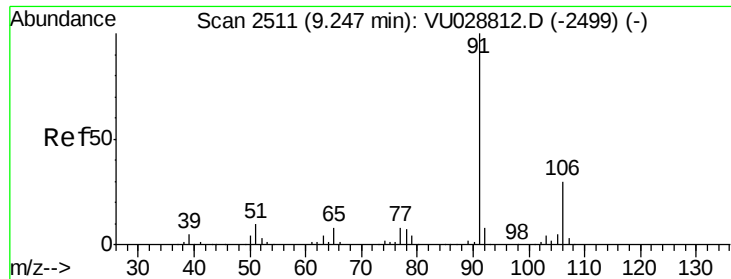


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#52

Ethylbenzene

Concen: 555.369 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

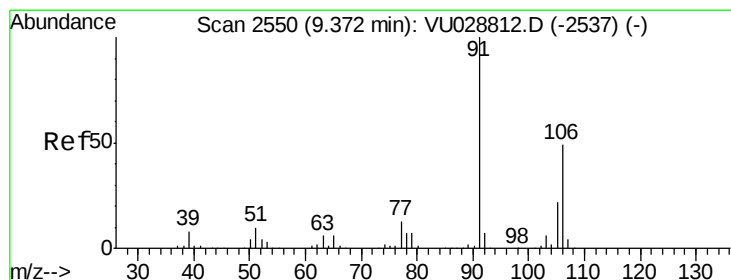
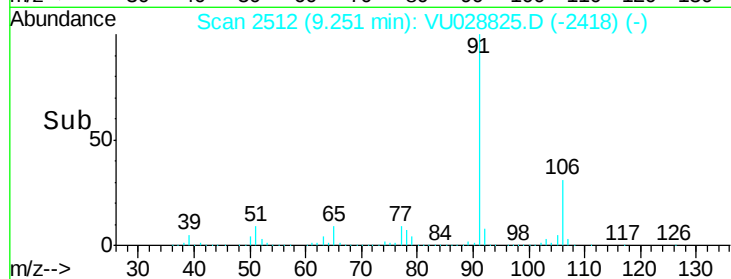
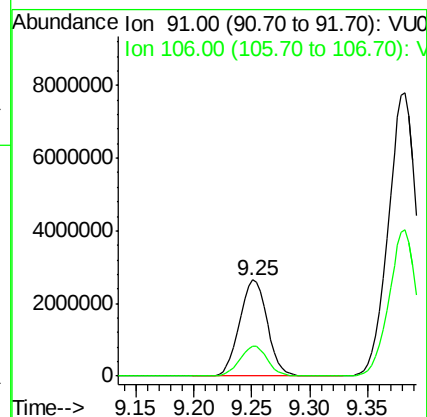
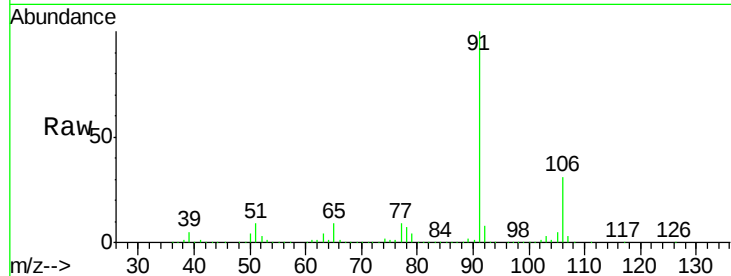
C0JH9

Tgt Ion: 91 Resp: 4393886

Ion Ratio Lower Upper

91 100

106 30.8 20.9 38.9



#53

m,p-Xylene

Concen: 2280.512 ug/L

RT: 9.38 min Scan# 2553

Delta R.T. 0.01 min

Lab File: VU028825.D

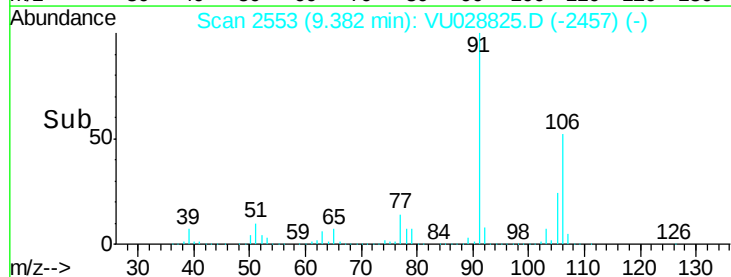
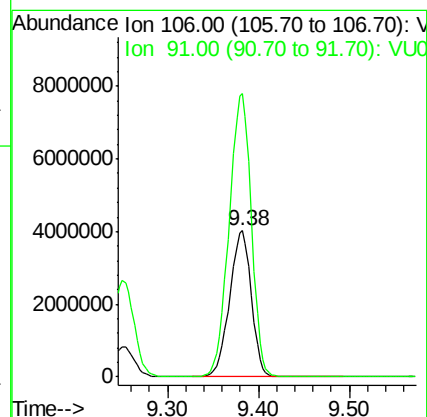
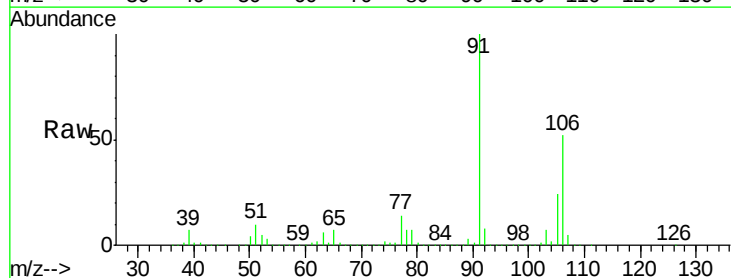
Acq: 20 Dec 2018 15:30

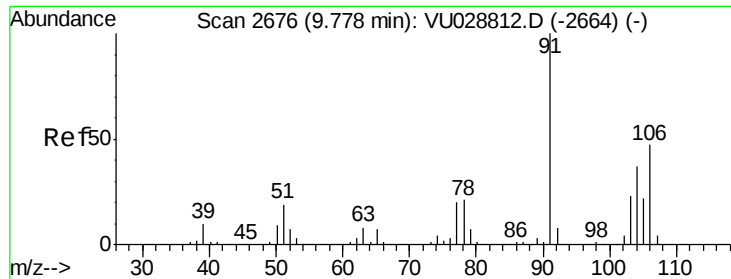
Tgt Ion: 106 Resp: 6671938

Ion Ratio Lower Upper

106 100

91 194.0 144.1 267.5





#54

o-xylene

Concen: 863.652 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

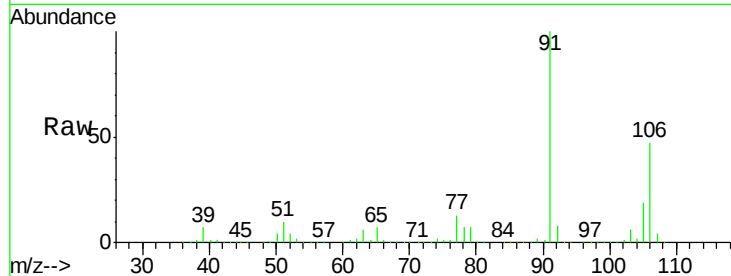
C0JH9

Tgt Ion:106 Resp: 2532430

Ion Ratio Lower Upper

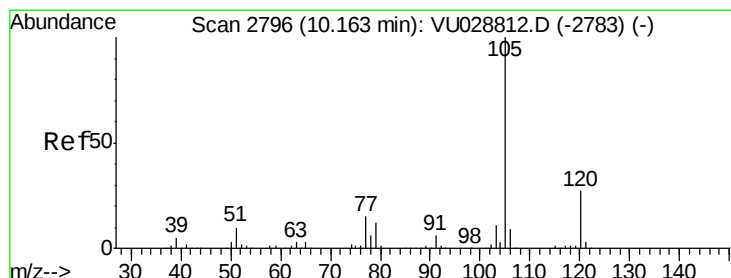
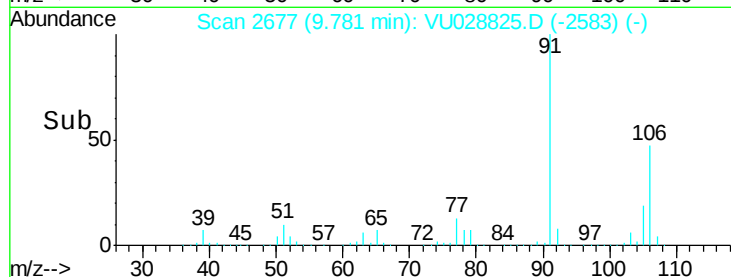
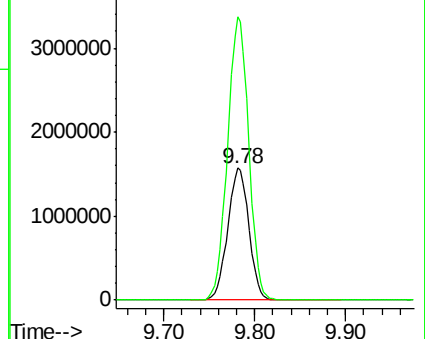
106 100

91 214.5 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 11.130 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

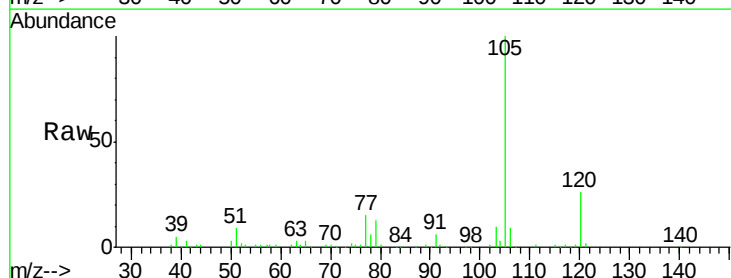
Tgt Ion:105 Resp: 82789

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

77 15.8 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

