

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
 Data File : VU031667.D
 Acq On : 01 May 2019 04:54
 Operator : JC/SP
 Sample : K2604-09 20X
 Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAJ83

Quant Time: May 01 06:48:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 04:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1026073	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	961343	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	459426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	309329	36.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.04%
7) Chloroethane-d5	1.68	69	251299	37.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.74%
11) 1,1-Dichloroethene-d2	2.26	63	469076	27.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.86%#
21) 2-Butanone-d5	4.20	46	693154	89.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.09%
24) Chloroform-d	4.64	84	560307	35.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.26%
26) 1,2-Dichloroethane-d4	5.30	65	375180	36.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.02%
32) Benzene-d6	5.33	84	1165647	39.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.98%
36) 1,2-Dichloropropane-d6	6.32	67	411682	39.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.28%
41) Toluene-d8	7.56	98	989307	38.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.96%#
43) trans-1,3-Dichloropropene-	7.85	79	168709	37.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.68%
47) 2-Hexanone-d5	8.32	63	456386	101.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	545791	39.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	370741	38.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.74%#

Target Compounds

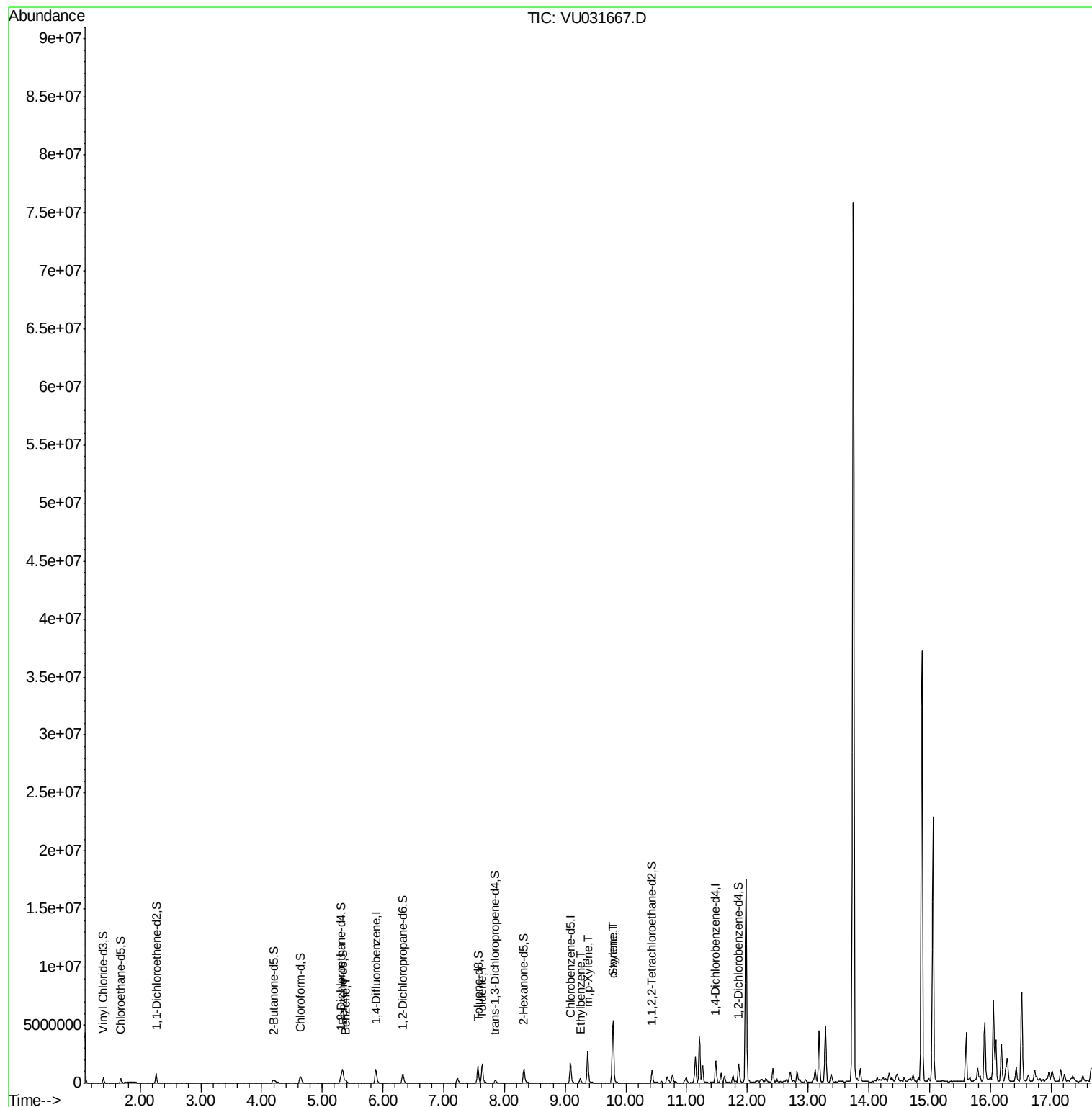
					Ovalue
33) Benzene	5.39	78	236486	6.691	ug/L 100
42) Toluene	7.63	91	1270417	36.083	ug/L 98
52) Ethylbenzene	9.25	91	285521	7.818	ug/L 100
53) m,p-Xylene	9.37	106	756252	59.432	ug/L 99
54) o-xylene	9.77	106	370919	29.403	ug/L 97
55) Styrene	9.79	104	2201828	102.160	ug/L 94

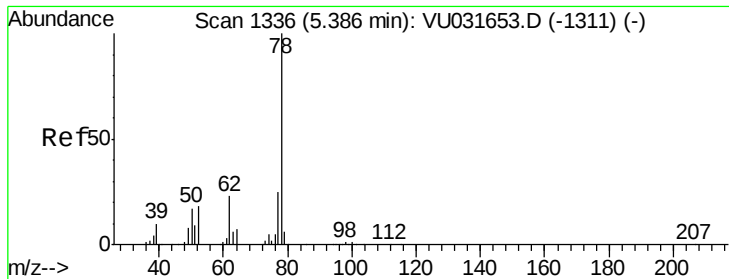
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 6.691 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031667.D

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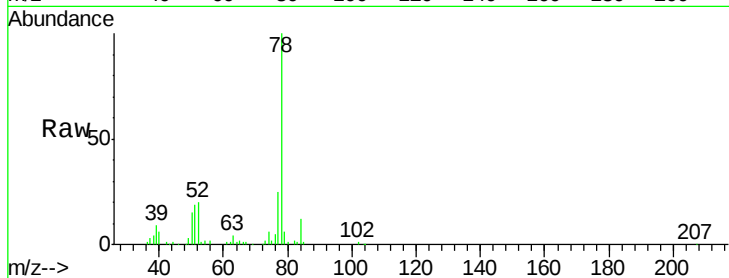
Instrument :

MSVOA_U

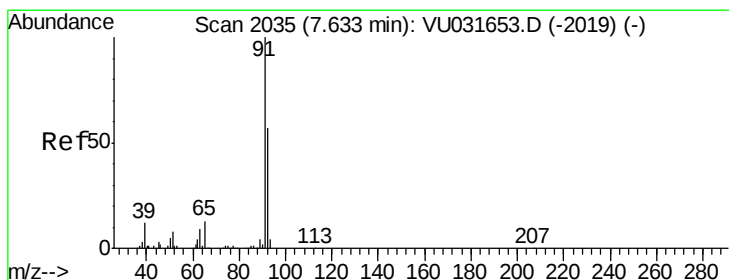
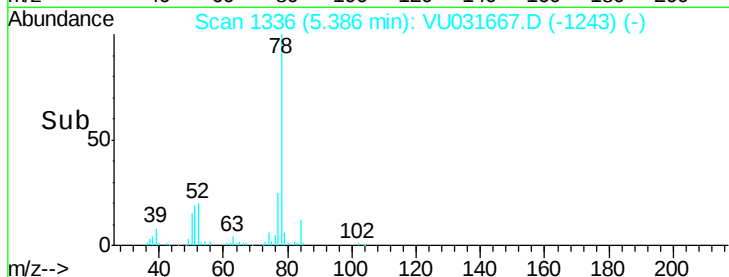
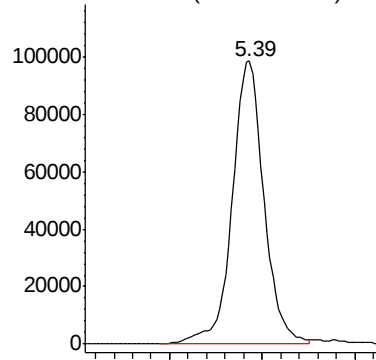
ClientSampleId :

GAJ83

Tgt Ion: 78 Resp: 236486



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 36.083 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031667.D

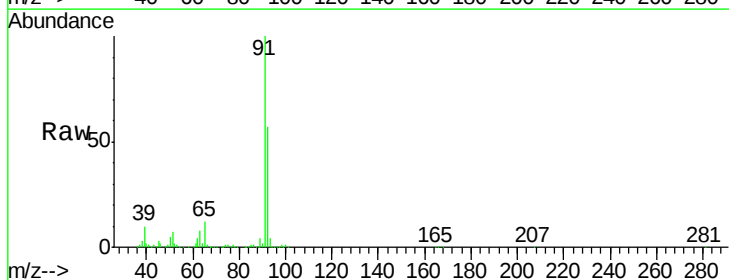
Acq: 01 May 2019 04:54

Tgt Ion: 91 Resp: 1270417

Ion Ratio Lower Upper

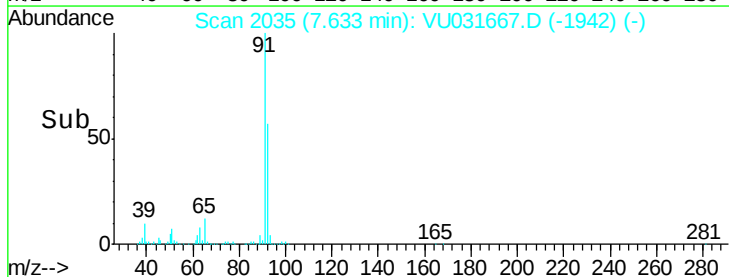
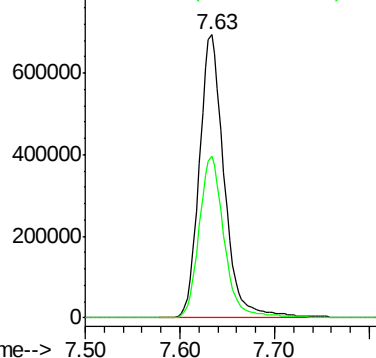
91 100

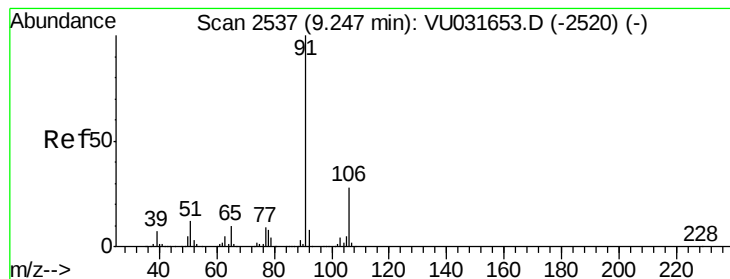
92 57.0 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#52

Ethylbenzene

Concen: 7.818 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031667.D

Acq: 01 May 2019 04:54

Instrument :

MSVOA_U

ClientSampleId :

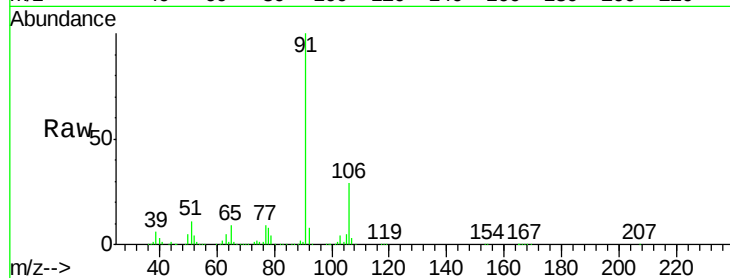
GAJ83

Tot Ion: 91 Resp: 285521

Ion Ratio Lower Upper

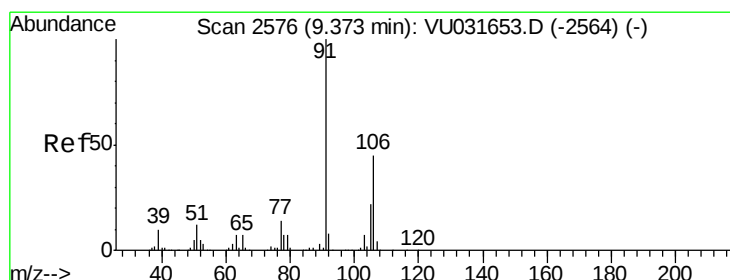
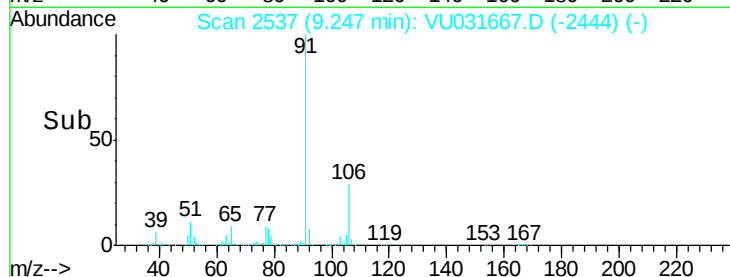
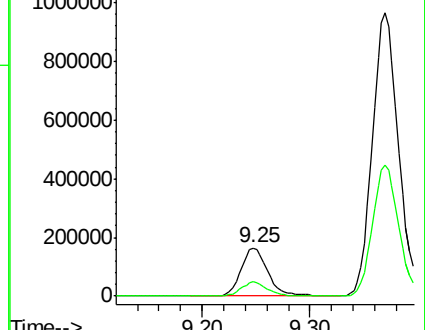
91 100

106 29.1 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU031653.D (-2520) (-)

Ion 106.00 (105.70 to 106.70): VU031653.D (-2520) (-)



#53

m,p-Xylene

Concen: 59.432 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031667.D

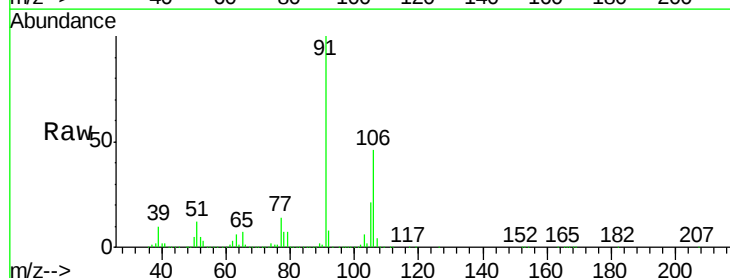
Acq: 01 May 2019 04:54

Tgt Ion: 106 Resp: 756252

Ion Ratio Lower Upper

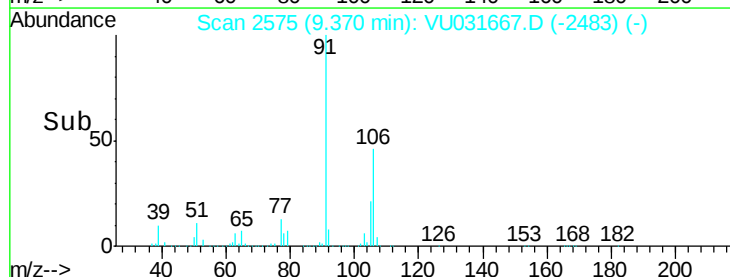
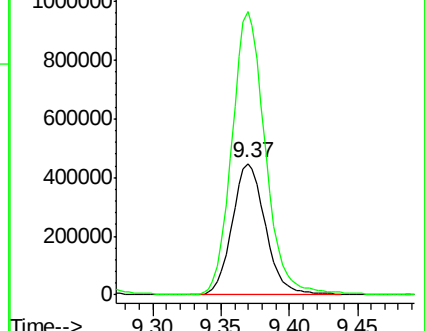
106 100

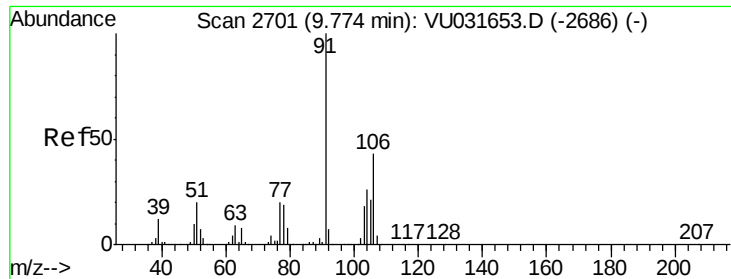
91 215.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031653.D (-2564) (-)

Ion 91.00 (90.70 to 91.70): VU031653.D (-2564) (-)





#54

o-xylene

Concen: 29.403 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031667.D

Acq: 01 May 2019 04:54

Instrument :

MSVOA_U

ClientSampleId :

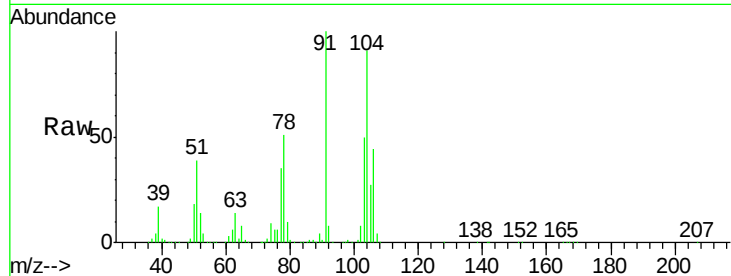
GAJ83

Tot Ion:106 Resp: 370919

Ion Ratio Lower Upper

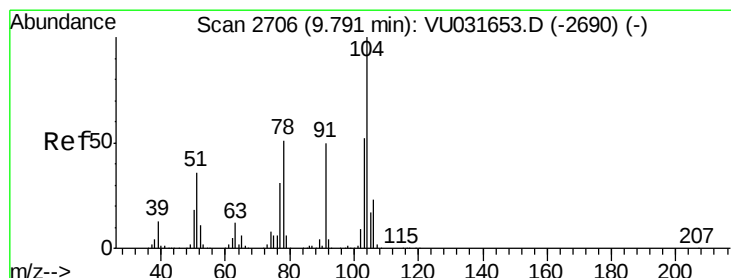
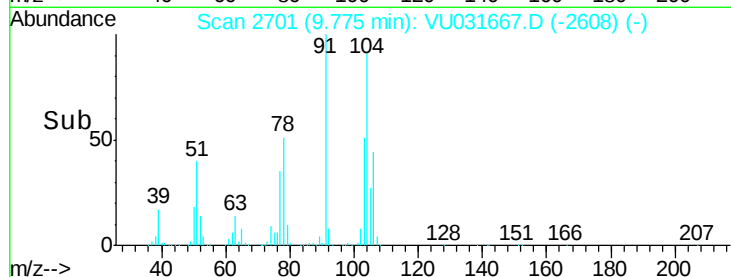
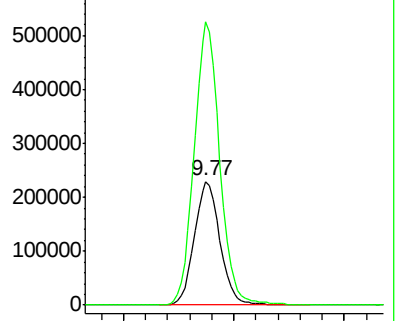
106 100

91 228.7 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 102.160 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031667.D

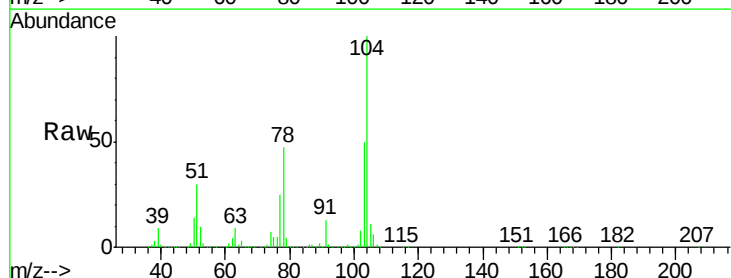
Acq: 01 May 2019 04:54

Tgt Ion:104 Resp: 2201828

Ion Ratio Lower Upper

104 100

78 46.5 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

