

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031528.D
 Acq On : 26 Apr 2019 13:24
 Operator : JC/SP
 Sample : K2481-20ME
 Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHX3ME

Quant Time: Apr 27 00:56:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 00:11:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	775625	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	748326	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	363470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81817	12.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	25.20%#
7) Chloroethane-d5	1.68	69	73032	14.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	29.12%#
11) 1,1-Dichloroethene-d2	2.24	63	114735	8.88	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	17.76%#
21) 2-Butanone-d5	4.21	46	489527	83.23	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.23%
24) Chloroform-d	4.64	84	318312	26.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	53.54%#
26) 1,2-Dichloroethane-d4	5.31	65	225175	28.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	57.98%#
32) Benzene-d6	5.33	84	434702	18.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	37.84%#
36) 1,2-Dichloropropane-d6	6.33	67	217488	26.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	53.80%#
41) Toluene-d8	7.57	98	308633	15.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	30.84%#
43) trans-1,3-Dichloropropene-	7.86	79	96095	27.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.38%#
47) 2-Hexanone-d5	8.34	63	324743	92.80	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.80%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	430458	39.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	258071	33.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.52%#

Target Compounds

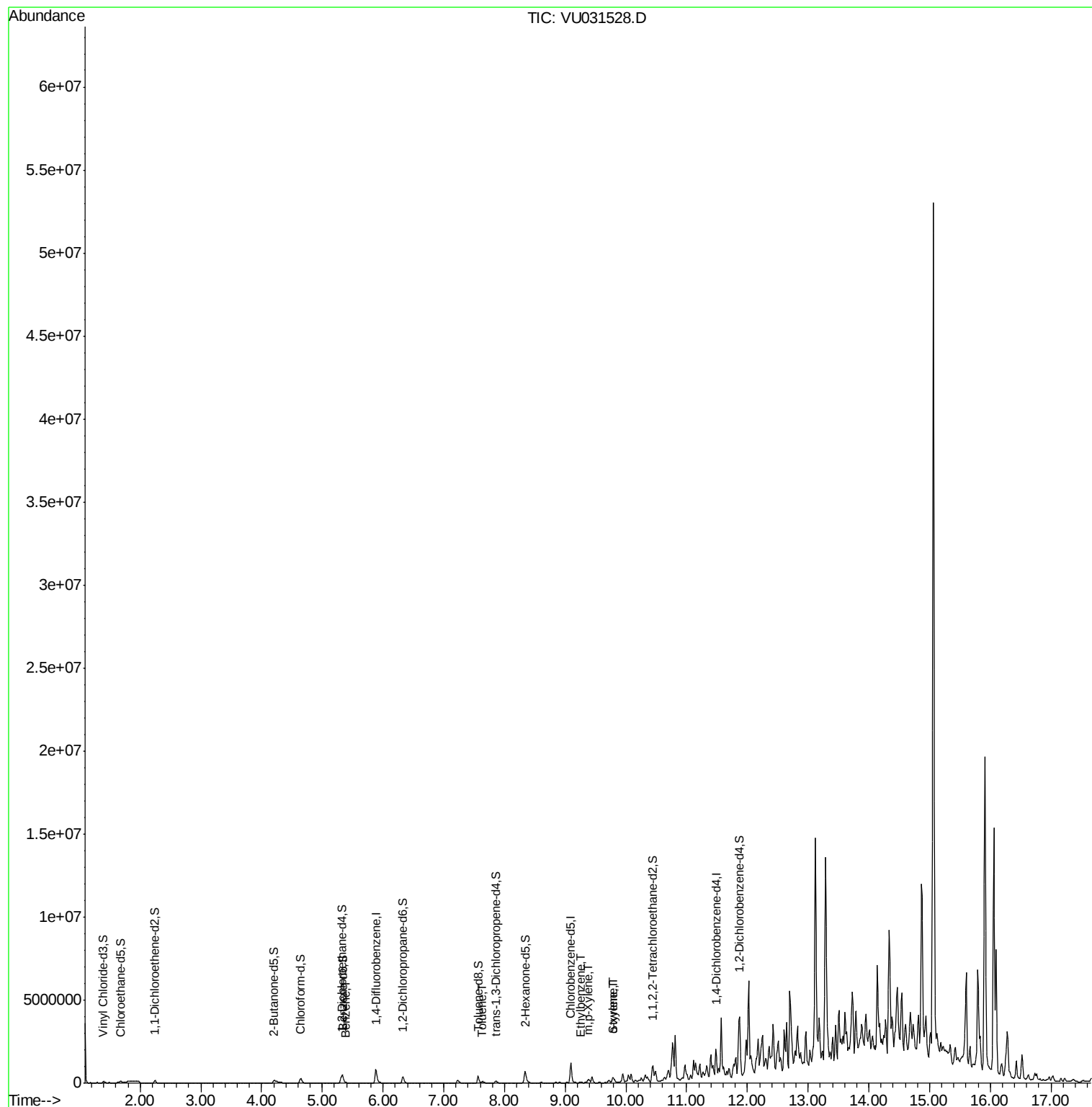
					Ovalue
33) Benzene	5.39	78	15551	0.565 ug/L	100
42) Toluene	7.64	91	88694	3.236 ug/L	97
52) Ethylbenzene	9.25	91	38921	1.369 ug/L	97
53) m,p-Xylene	9.38	106	50876	5.136 ug/L	99
54) o-xylene	9.78	106	67285	6.852 ug/L	97
55) Styrene	9.80	104	65062	3.878 ug/L	95

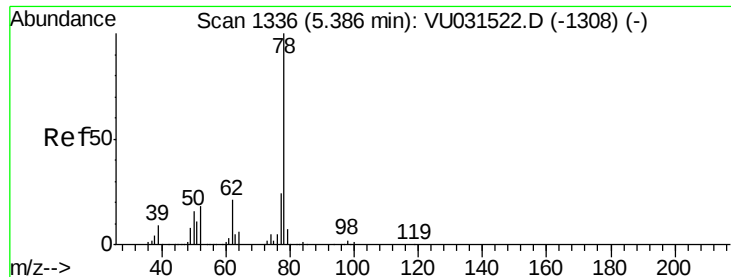
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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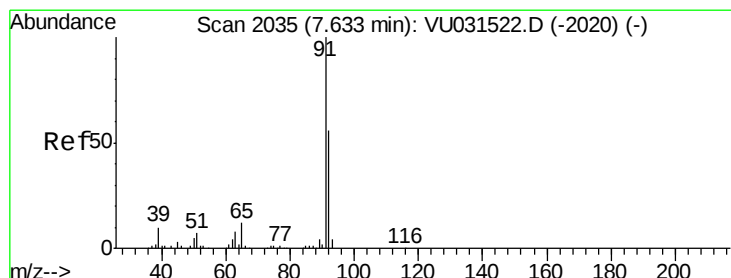
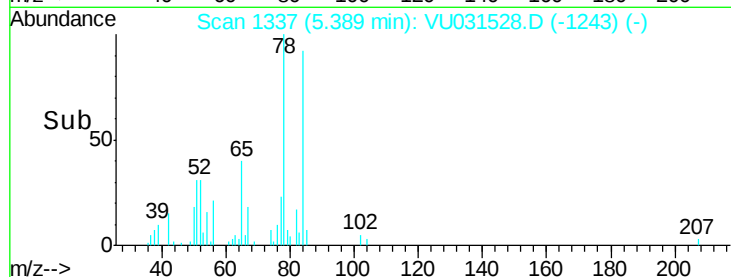
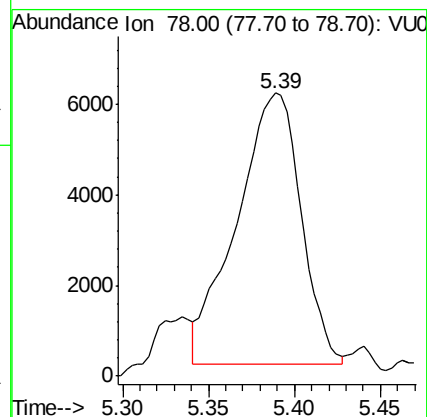
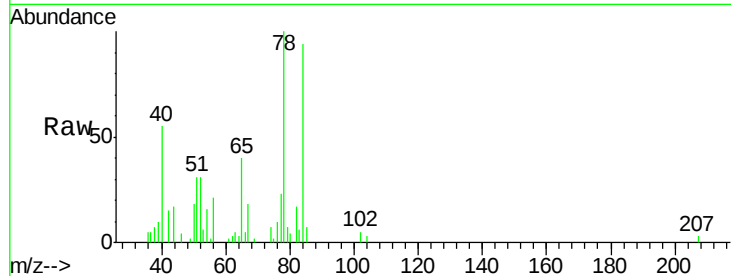




#33
Benzene
Concen: 0.565 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU031528.D
Acq: 26 Apr 2019 13:24

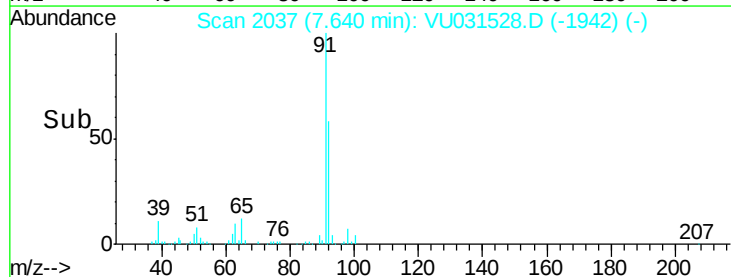
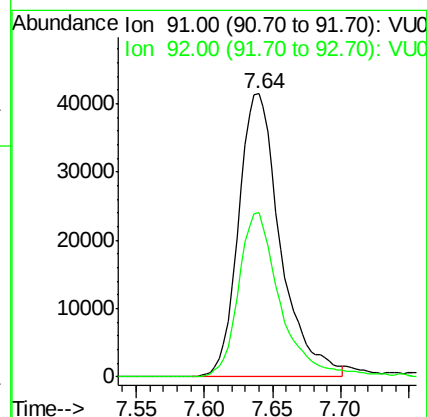
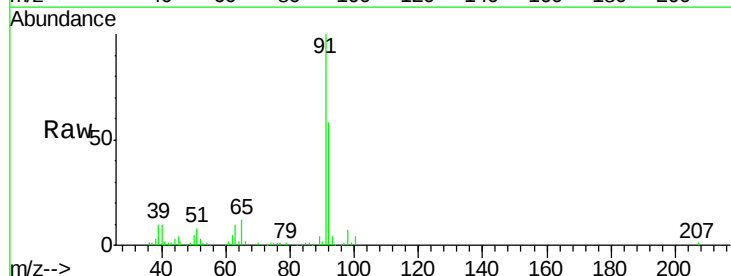
Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

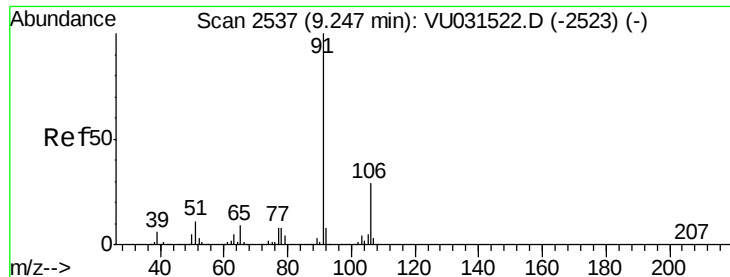
Tgt Ion: 78 Resp: 15551



#42
Toluene
Concen: 3.236 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU031528.D
Acq: 26 Apr 2019 13:24

Tgt Ion: 91 Resp: 88694
Ion Ratio Lower Upper
91 100
92 57.9 39.0 72.4





#52

Ethylbenzene

Concen: 1.369 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU031528.D

Acq: 26 Apr 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

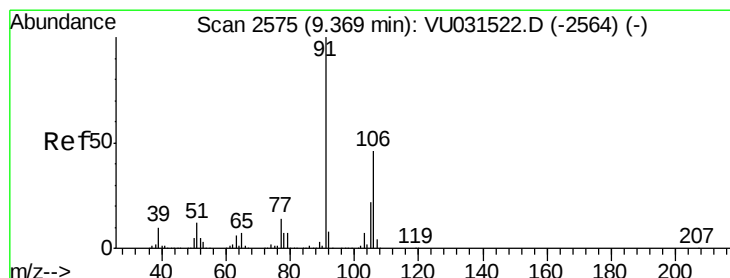
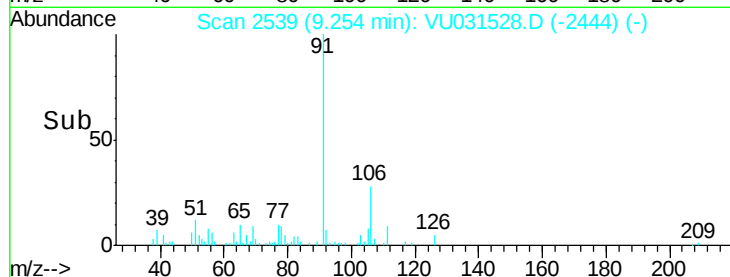
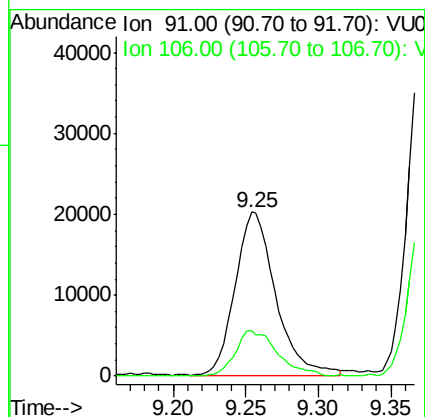
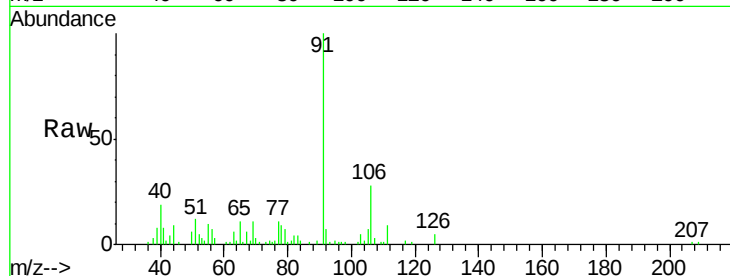
GAHX3ME

Tot Ion: 91 Resp: 38921

Ion Ratio Lower Upper

91 100

106 27.5 20.4 37.8



#53

m,p-Xylene

Concen: 5.136 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU031528.D

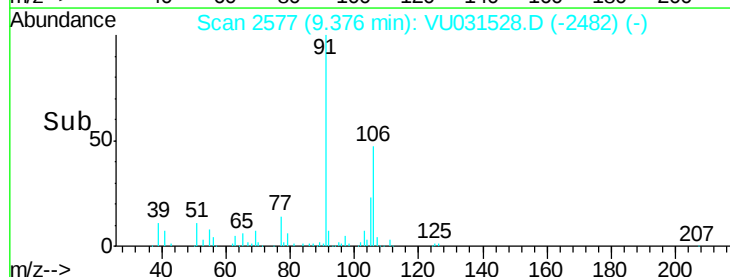
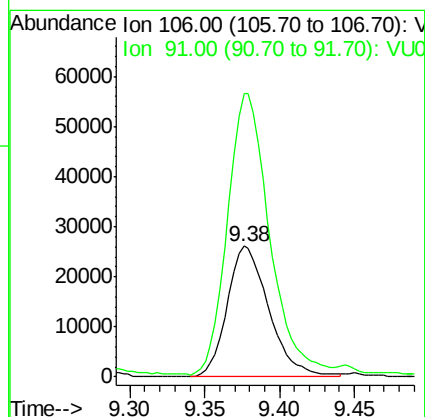
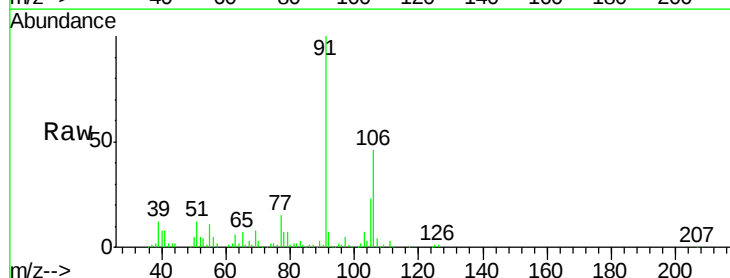
Acq: 26 Apr 2019 13:24

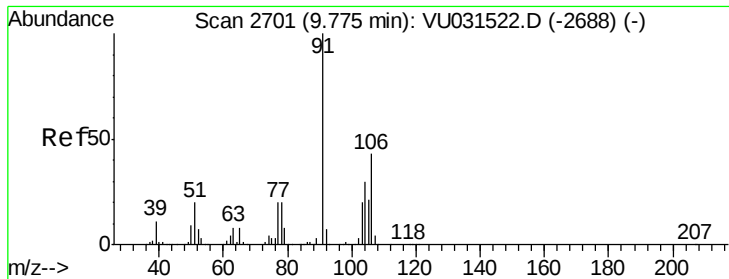
Tgt Ion: 106 Resp: 50876

Ion Ratio Lower Upper

106 100

91 216.3 152.2 282.6





#54

o-xylene

Concen: 6.852 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031528.D

Acq: 26 Apr 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

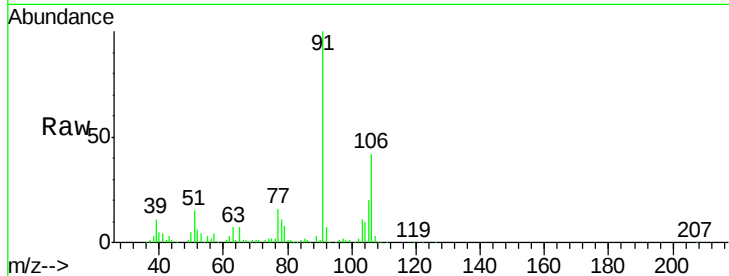
GAHX3ME

Tot Ion:106 Resp: 67285

Ion Ratio Lower Upper

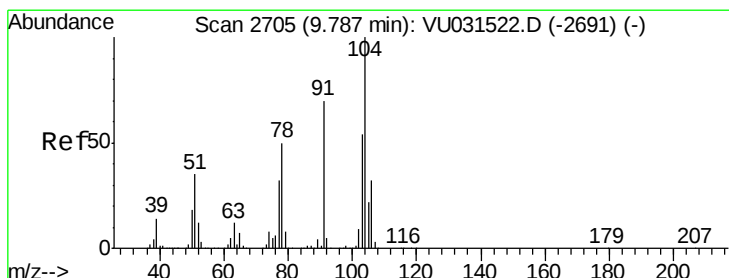
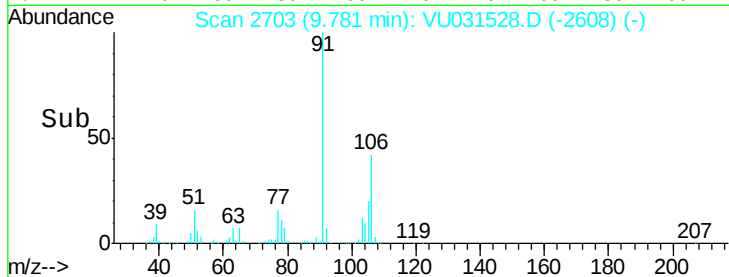
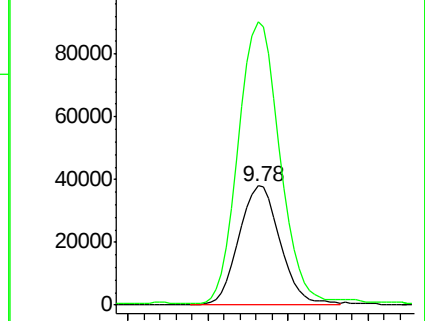
106 100

91 237.7 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 3.878 ug/L

RT: 9.80 min Scan# 2709

Delta R.T. 0.01 min

Lab File: VU031528.D

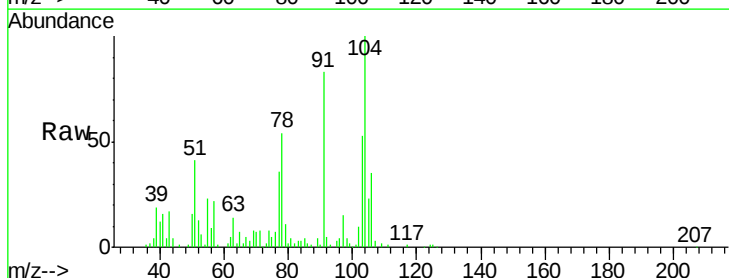
Acq: 26 Apr 2019 13:24

Tgt Ion:104 Resp: 65062

Ion Ratio Lower Upper

104 100

78 54.1 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

