

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
 Data File : VU031365.D
 Acq On : 19 Apr 2019 17:34
 Operator : JC/SP
 Sample : K2402-06 5X
 Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHH8

Quant Time: Apr 29 02:00:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 23:12:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	588285	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	565781	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	302036	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	163378	30.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.32%
7) Chloroethane-d5	1.68	69	139942	29.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	59.50%#
11) 1,1-Dichloroethene-d2	2.26	63	252329	23.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.02%#
21) 2-Butanone-d5	4.20	46	310301	78.64	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.64%
24) Chloroform-d	4.64	84	285050	31.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.06%#
26) 1,2-Dichloroethane-d4	5.31	65	185494	33.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.64%#
32) Benzene-d6	5.33	84	612765	34.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.52%#
36) 1,2-Dichloropropane-d6	6.33	67	205063	35.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.66%
41) Toluene-d8	7.56	98	566018	35.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.92%#
43) trans-1,3-Dichloropropene-	7.85	79	94883	34.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.38%
47) 2-Hexanone-d5	8.32	63	225969	82.46	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305242	37.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	244636	35.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.64%#

Target Compounds

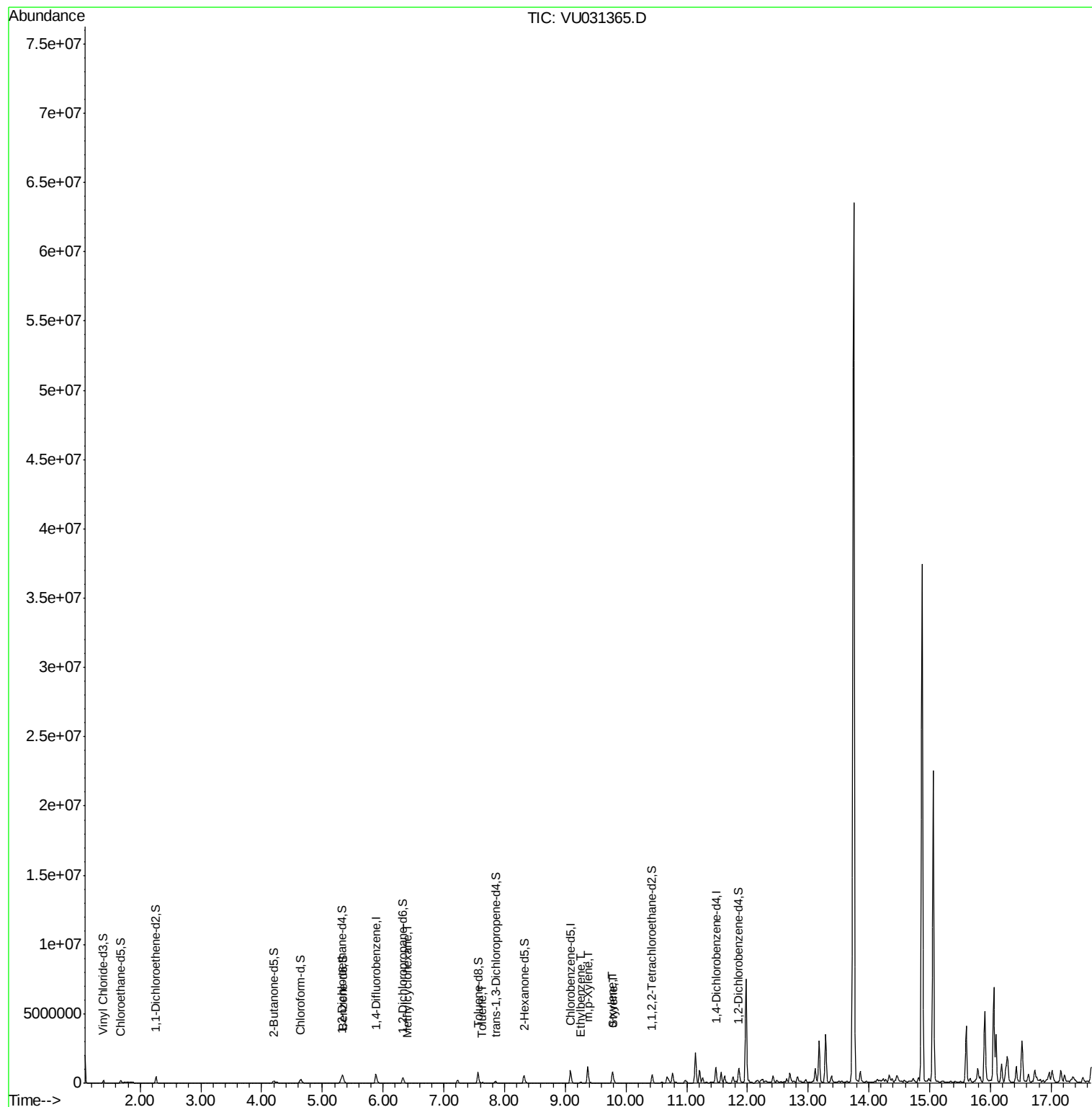
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
35) Methylcyclohexane	6.41	83	10853	1.531	ug/L	# 87
42) Toluene	7.64	91	26426	1.396	ug/L	99
52) Ethylbenzene	9.25	91	61106	2.965	ug/L	98
53) m,p-Xylene	9.37	106	371382	51.070	ug/L	96
54) o-xylene	9.77	106	202750	27.532	ug/L	91
55) Styrene	9.79	104	134957	10.856	ug/L	95

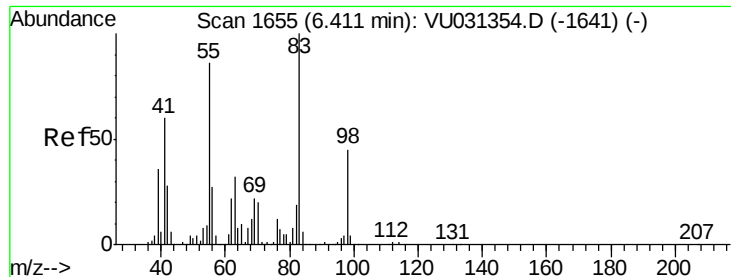
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
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GAHH8

Quant Time: Apr 29 02:00:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

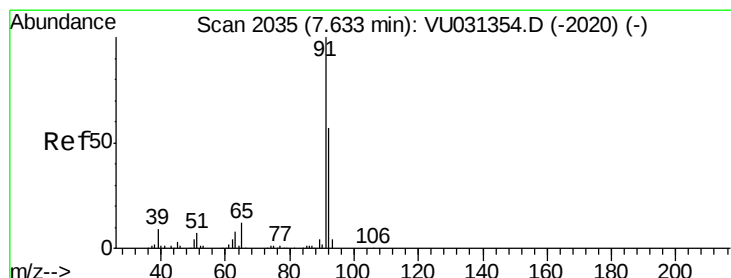
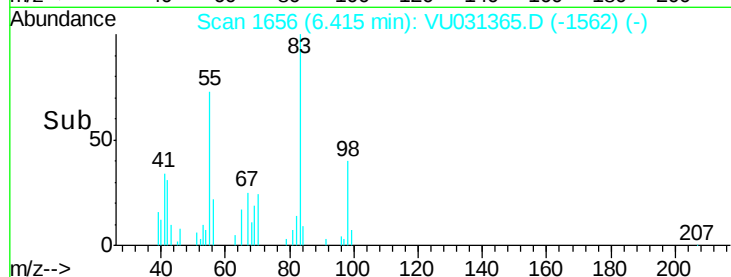
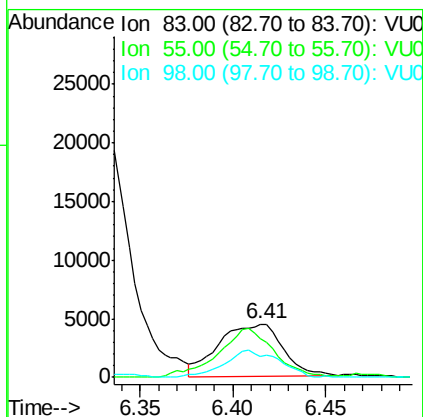
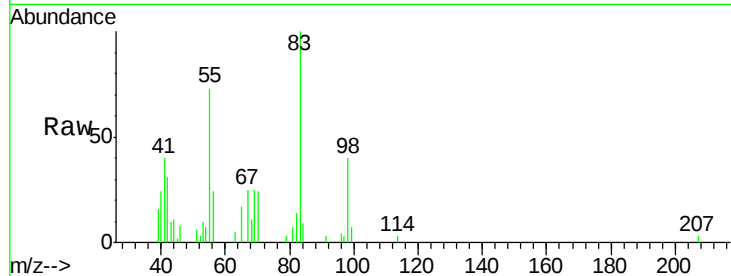




#35
Methvlcvclohexane
Concen: 1.531 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU031365.D
Acq: 19 Apr 2019 17:34

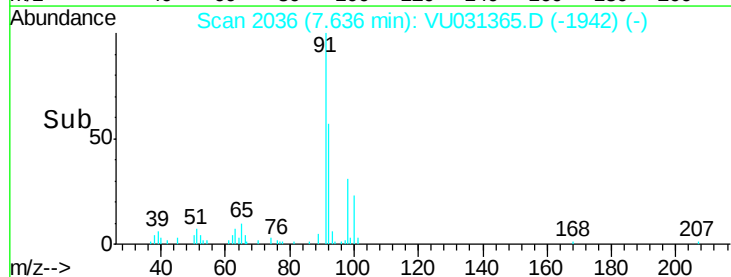
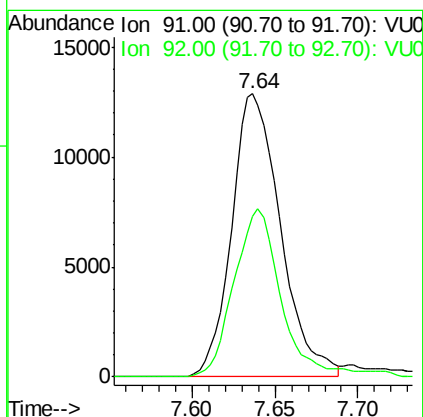
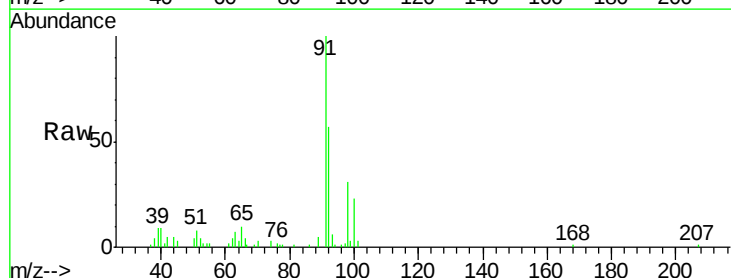
Instrument :
MSVOA_U
ClientSampled :
GAHH8

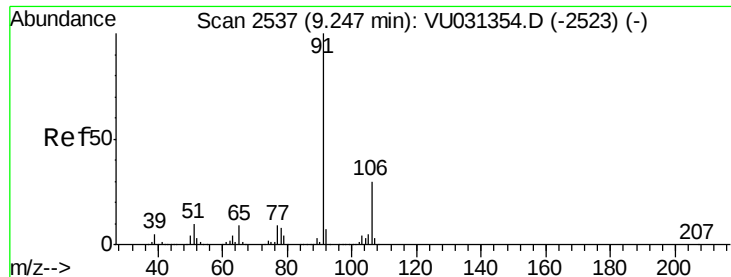
Tot Ion: 83 Resp: 10853
Ion Ratio Lower Upper
83 100
55 78.8 67.0 100.4
98 28.3 36.9 55.3#



#42
Toluene
Concen: 1.396 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU031365.D
Acq: 19 Apr 2019 17:34

Tgt Ion: 91 Resp: 26426
Ion Ratio Lower Upper
91 100
92 56.5 40.1 74.5





#52

Ethylbenzene

Concen: 2.965 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031365.D

Acq: 19 Apr 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

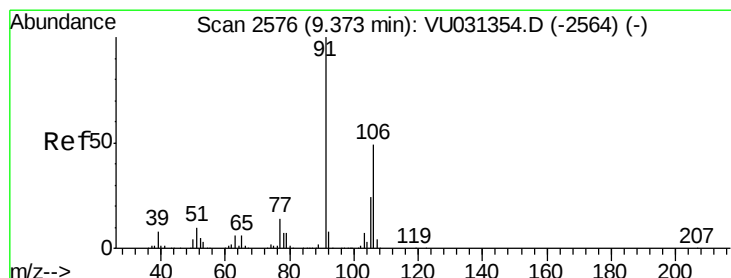
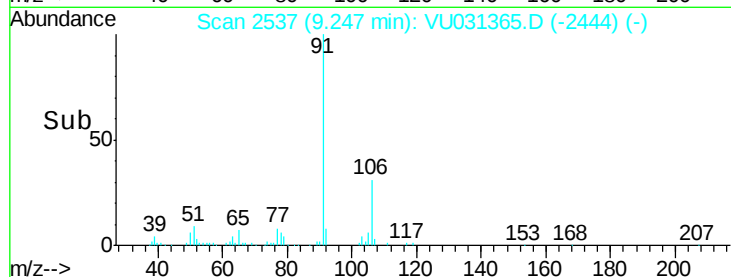
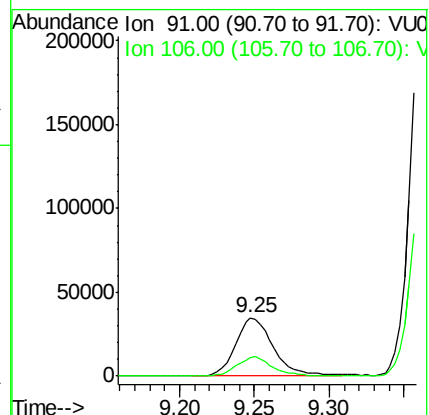
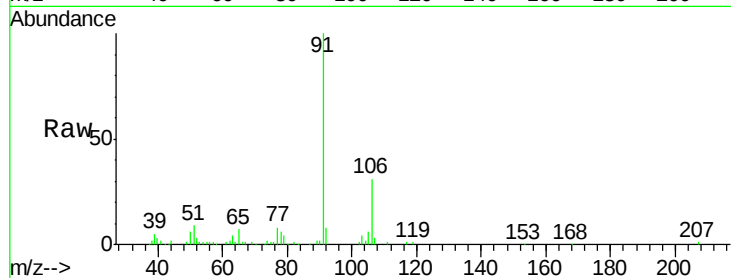
GAHH8

Tot Ion: 91 Resp: 61106

Ion Ratio Lower Upper

91 100

106 31.1 20.9 38.7



#53

m,p-Xylene

Concen: 51.070 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031365.D

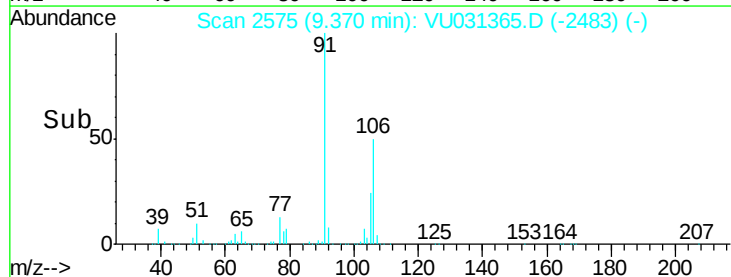
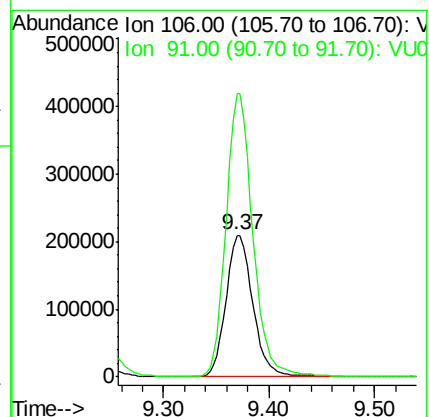
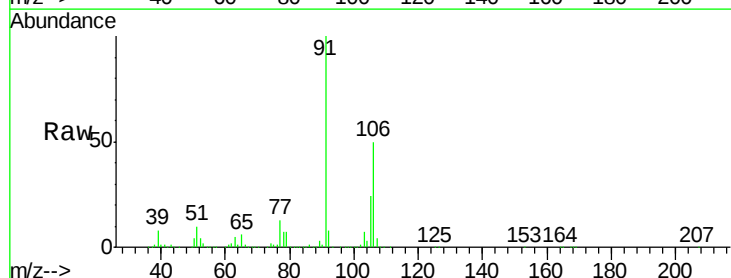
Acq: 19 Apr 2019 17:34

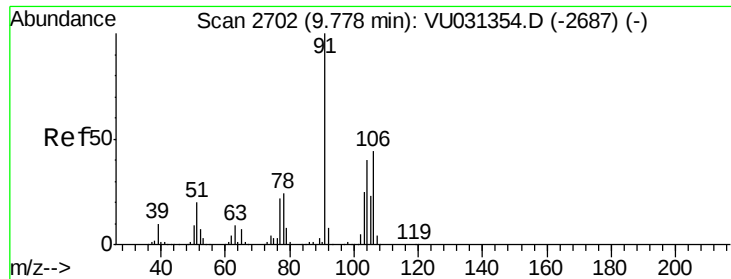
Tgt Ion: 106 Resp: 371382

Ion Ratio Lower Upper

106 100

91 199.7 144.5 268.4





#54

o-xylene

Concen: 27.532 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031365.D

Acq: 19 Apr 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

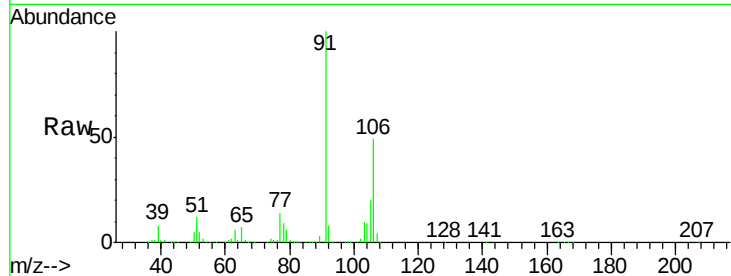
GAHH8

Tot Ion:106 Resp: 202750

Ion Ratio Lower Upper

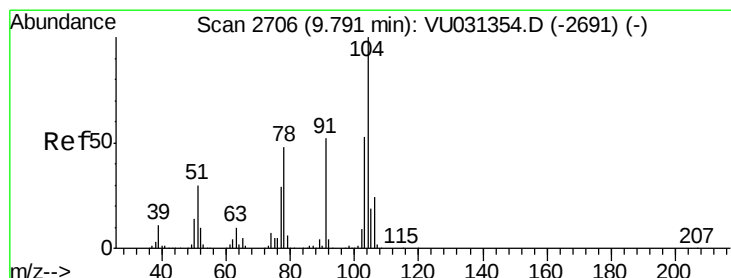
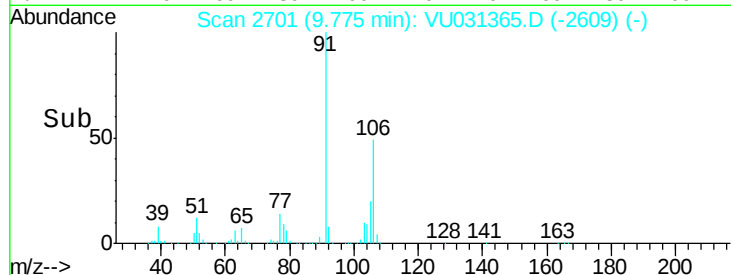
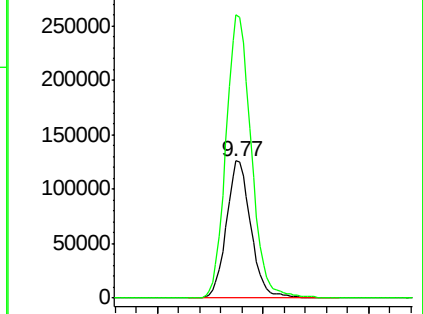
106 100

91 206.1 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 10.856 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU031365.D

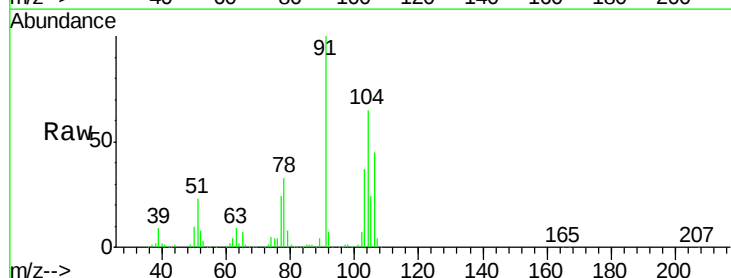
Acq: 19 Apr 2019 17:34

Tgt Ion:104 Resp: 134957

Ion Ratio Lower Upper

104 100

78 50.3 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

