

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020420\
 Data File : VV014500.D
 Acq On : 04 Feb 2020 16:42
 Operator : SY/MD
 Sample : L1324-09
 Misc : 5.10g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAT66

Quant Time: Feb 15 03:44:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 05 01:06:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	411933	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	396259	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	218446	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102883	44.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.94%
7) Chloroethane-d5	1.55	69	34746	24.43	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.86%#
11) 1,1-Dichloroethene-d2	2.10	63	98589	32.28	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.56%
21) 2-Butanone-d5	3.93	46	164581	106.92	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.92%
24) Chloroform-d	4.39	84	209909	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.70%
26) 1,2-Dichloroethane-d4	5.07	65	138257	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
32) Benzene-d6	5.09	84	461301	44.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.42%
36) 1,2-Dichloropropane-d6	6.11	67	146522	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.78%
41) Toluene-d8	7.35	98	432255	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%
43) trans-1,3-Dichloropropene-	7.66	79	76713	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
47) 2-Hexanone-d5	8.14	63	153524	118.87	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	226421	53.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.48%
64) 1,2-Dichlorobenzene-d4	11.67	152	194392	48.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.64%

Target Compounds

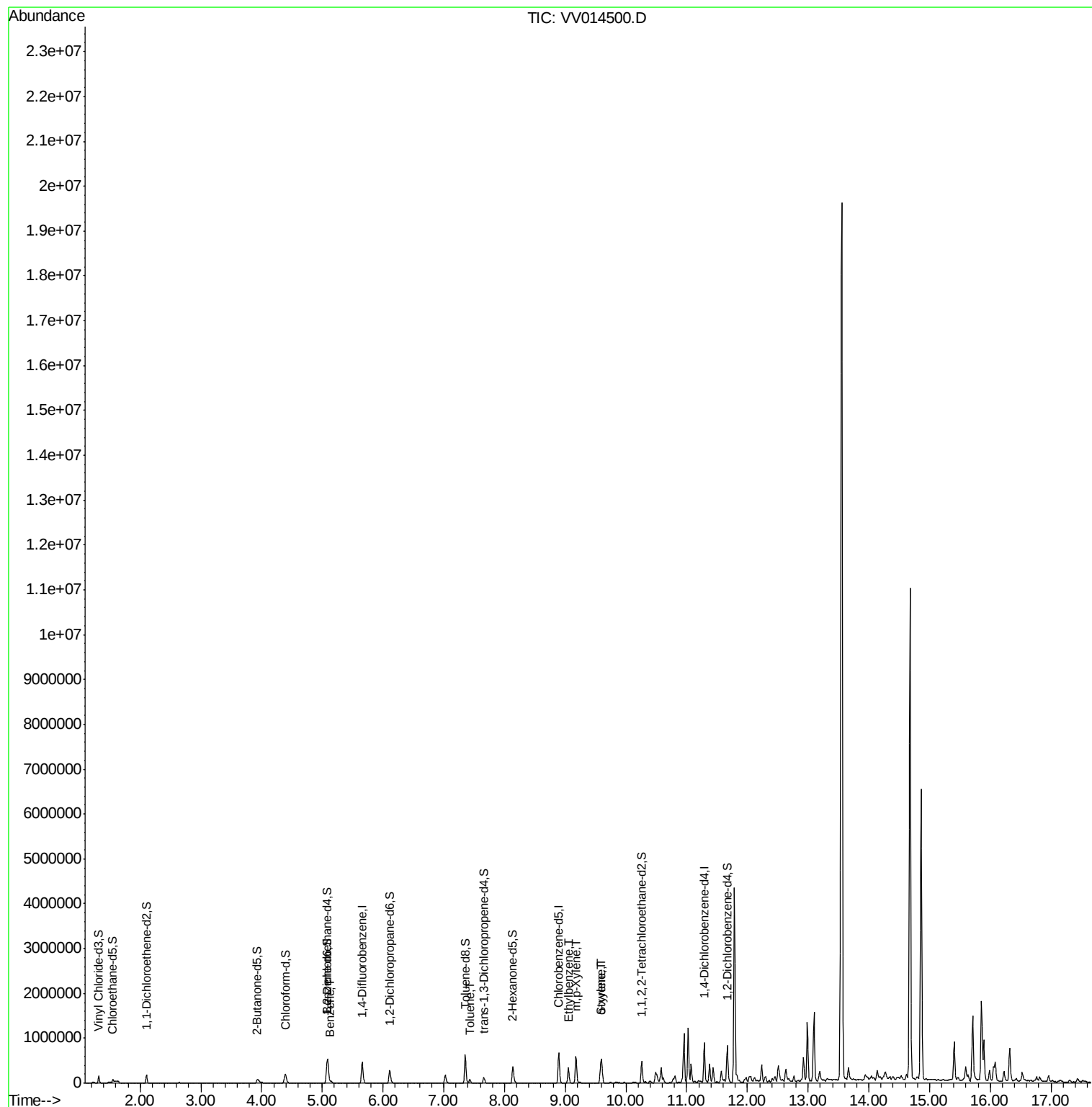
					Ovalue
33) Benzene	5.14	78	34886	2.984	ug/L 100
42) Toluene	7.43	91	62096	5.073	ug/L 98
52) Ethylbenzene	9.05	91	257947	18.777	ug/L 99
53) m,p-Xylene	9.18	106	171719	33.476	ug/L 97
54) o-xylene	9.59	106	104763	20.611	ug/L 99
55) Styrene	9.60	104	210190	24.641	ug/L 97

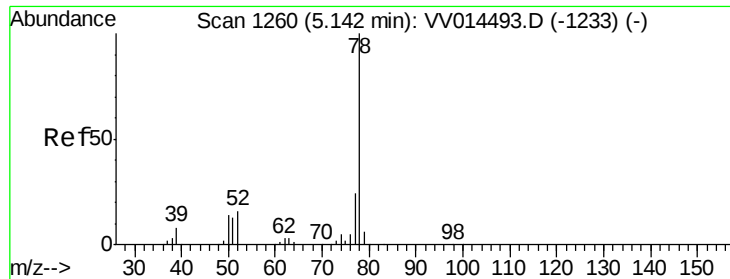
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 2.984 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

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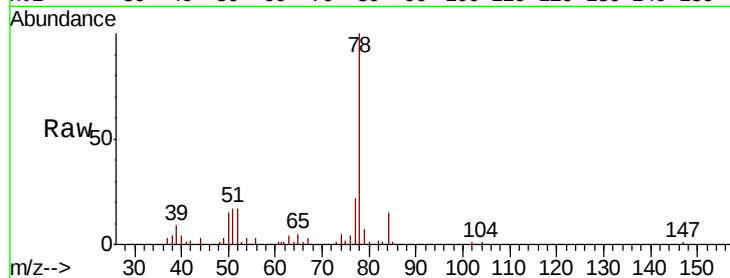
Instrument :

MSVOA_V

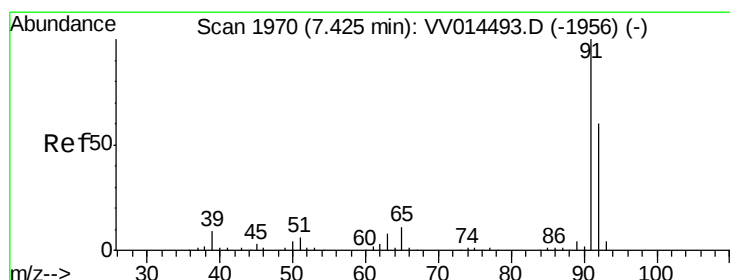
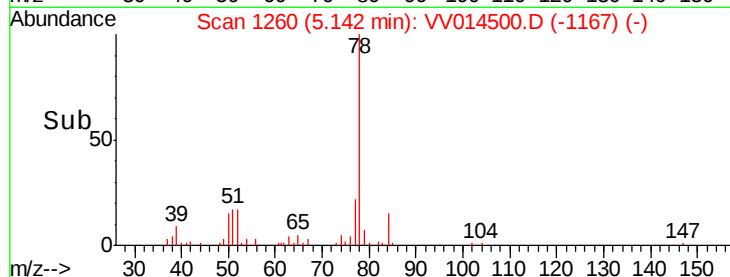
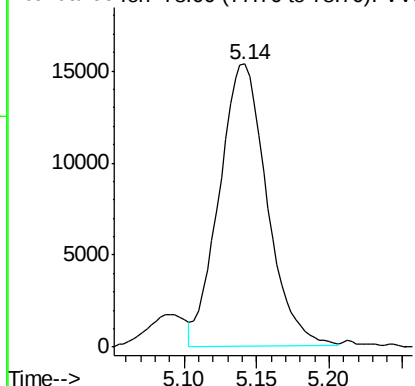
ClientSampleId :

GAT66

Tgt Ion: 78 Resp: 34886



Abundance Ion 78.00 (77.70 to 78.70): VV0



#42

Toluene

Concen: 5.073 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014500.D

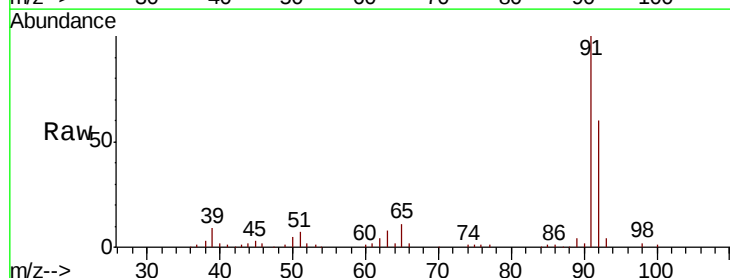
Acq: 04 Feb 2020 16:42

Tgt Ion: 91 Resp: 62096

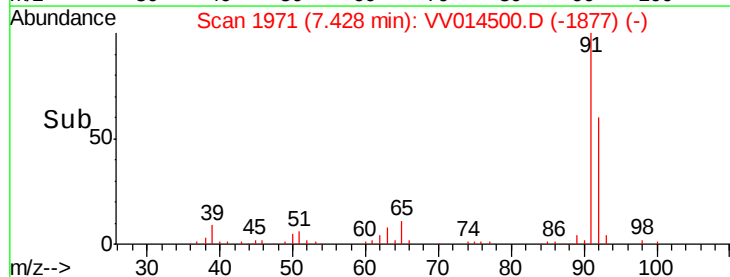
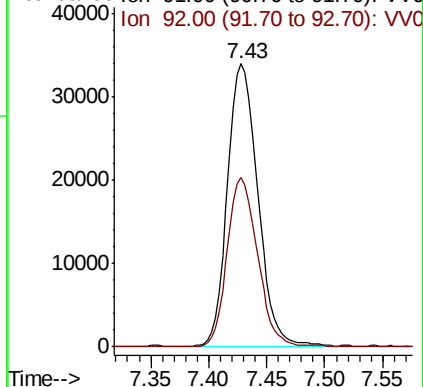
Ion Ratio Lower Upper

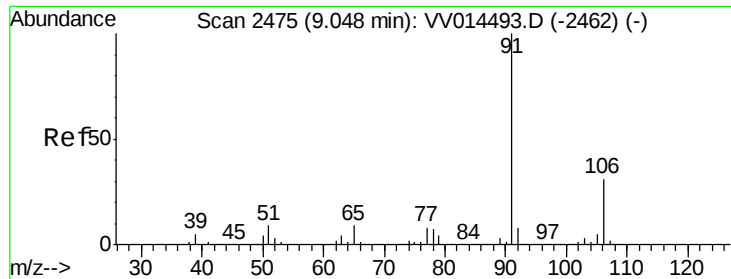
91 100

92 60.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0





#52

Ethylbenzene

Concen: 18.777 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Instrument :

MSVOA_V

ClientSampleId :

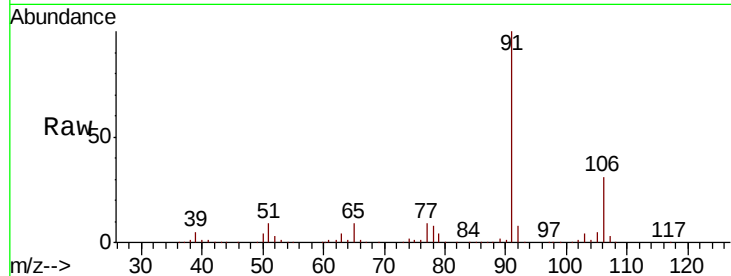
GAT66

Tot Ion: 91 Resp: 257947

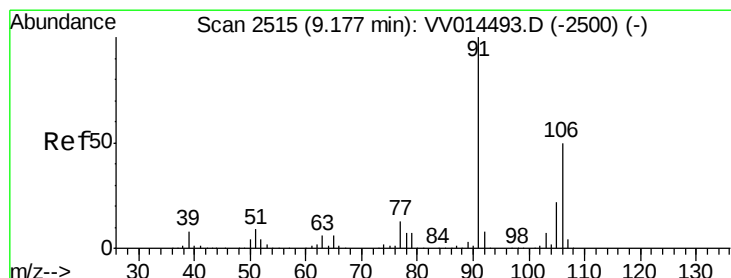
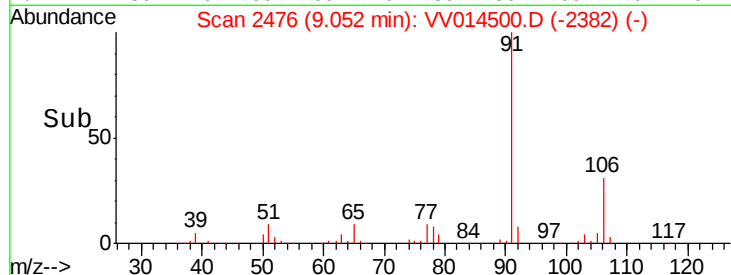
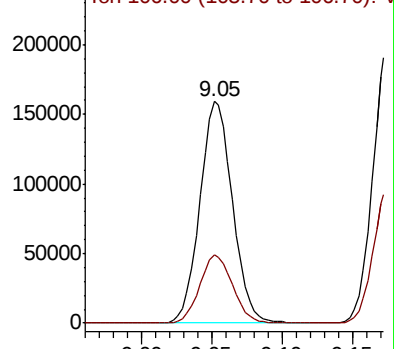
Ion Ratio Lower Upper

91 100

106 30.6 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014493.D (-2462) (-)



#53

m,p-Xylene

Concen: 33.476 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014500.D

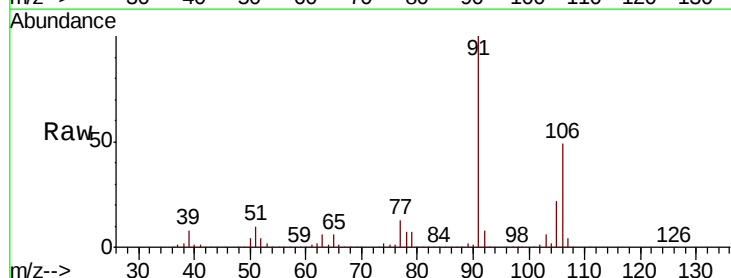
Acq: 04 Feb 2020 16:42

Tgt Ion: 106 Resp: 171719

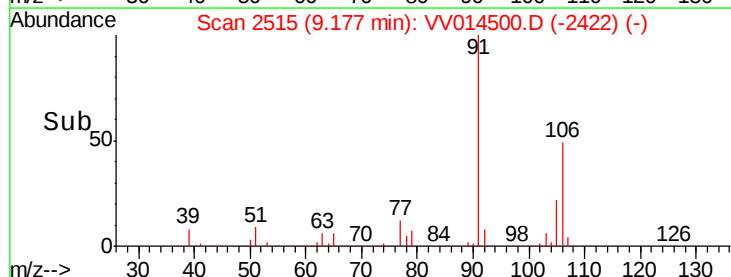
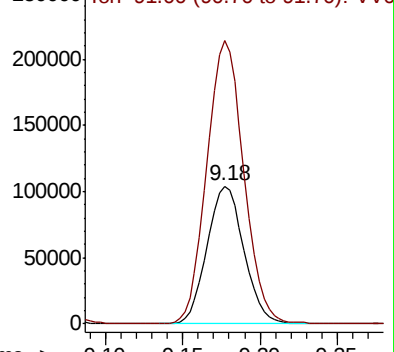
Ion Ratio Lower Upper

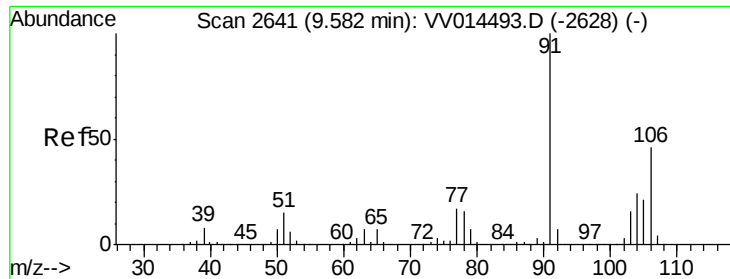
106 100

91 205.4 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014493.D (-2500) (-)





#54

o-xylene

Concen: 20.611 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Instrument :

MSVOA_V

ClientSampleId :

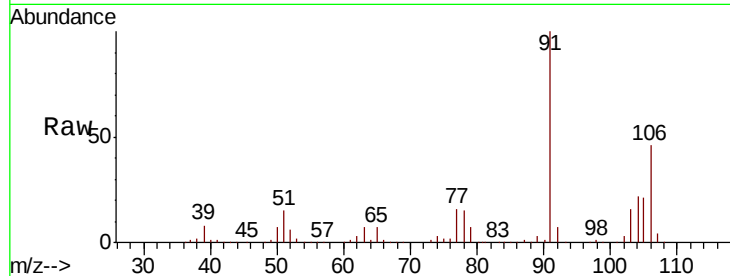
GAT66

Tot Ion:106 Resp: 104763

Ion Ratio Lower Upper

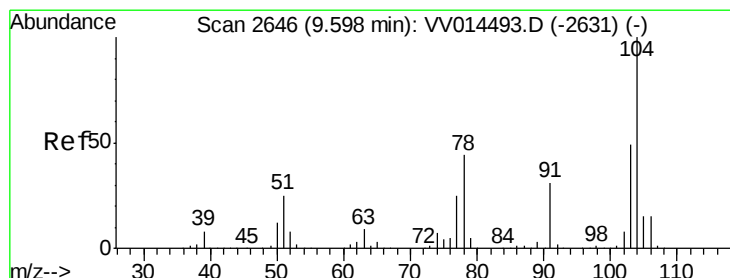
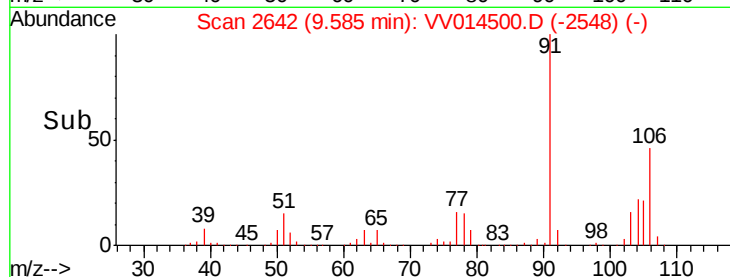
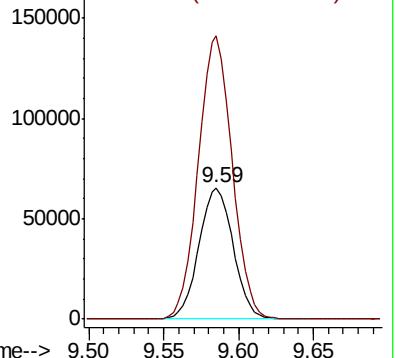
106 100

91 215.9 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 24.641 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV014500.D

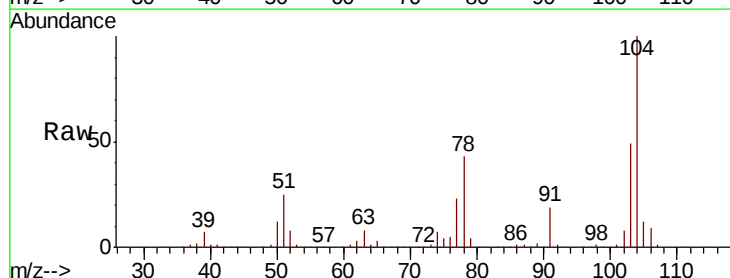
Acq: 04 Feb 2020 16:42

Tgt Ion:104 Resp: 210190

Ion Ratio Lower Upper

104 100

78 43.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

