Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
Data File : VW010115.D
Acq On : 24 Apr 2019 16:18
Operator : SY/VA
Sample : K2456-02RE
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Manual Integrations APPROVED
MMdadoda
4/26/2019 12:51:21 PM

Quant Time: Apr 25 02:02:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 25 01:36:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	249778	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	215680	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	60260	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	65851	27.58	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 110.32%			
7) Chloroethane-d5	2.89	69	56911	28.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 115.36%			
10) 1,1-Dichloroethene-d2	3.99	63	152292	21.73	ug/L	-0.02
Spiked Amount 25.000	Range 45 - 110		Recovery = 86.92%			
20) 2-Butanone-d5	7.08	46	69169	61.35	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 122.70%			
24) Chloroform-d	7.64	84	206212	31.01	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 124.04%			
26) 1,2-Dichloroethane-d4	8.30	65	125531m	32.28	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 129.12%			
29) Benzene-d6	8.27	84	403101	33.00	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 132.00%			
33) 1,2-Dichloropropane-d6	9.27	67	130098	34.16	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 136.64%#			
37) Toluene-d8	10.32	98	337337	30.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 121.60%			
38) trans-1,3-Dichloropropene-	10.58	79	50787	28.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 115.76%			
39) 2-Hexanone-d5	10.93	63	49564	61.94	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.88%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82393	26.06	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.24%			
61) 1,2-Dichlorobenzene-d4	13.86	152	62429	27.98	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 111.92%			
Target Compounds						Qvalue
16) Methylene chloride	4.90	84	10487	2.996	ug/L	94
44) Toluene	10.38	91	209899	15.114	ug/L	99
53) Ethylbenzene	11.73	91	81625	5.237	ug/L	94
54) m,p-Xylene	11.84	106	212691	36.890	ug/L	98
55) o-xylene	12.16	106	160243	29.310	ug/L	94
56) Styrene	12.18	104	193931	20.857	ug/L	96

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

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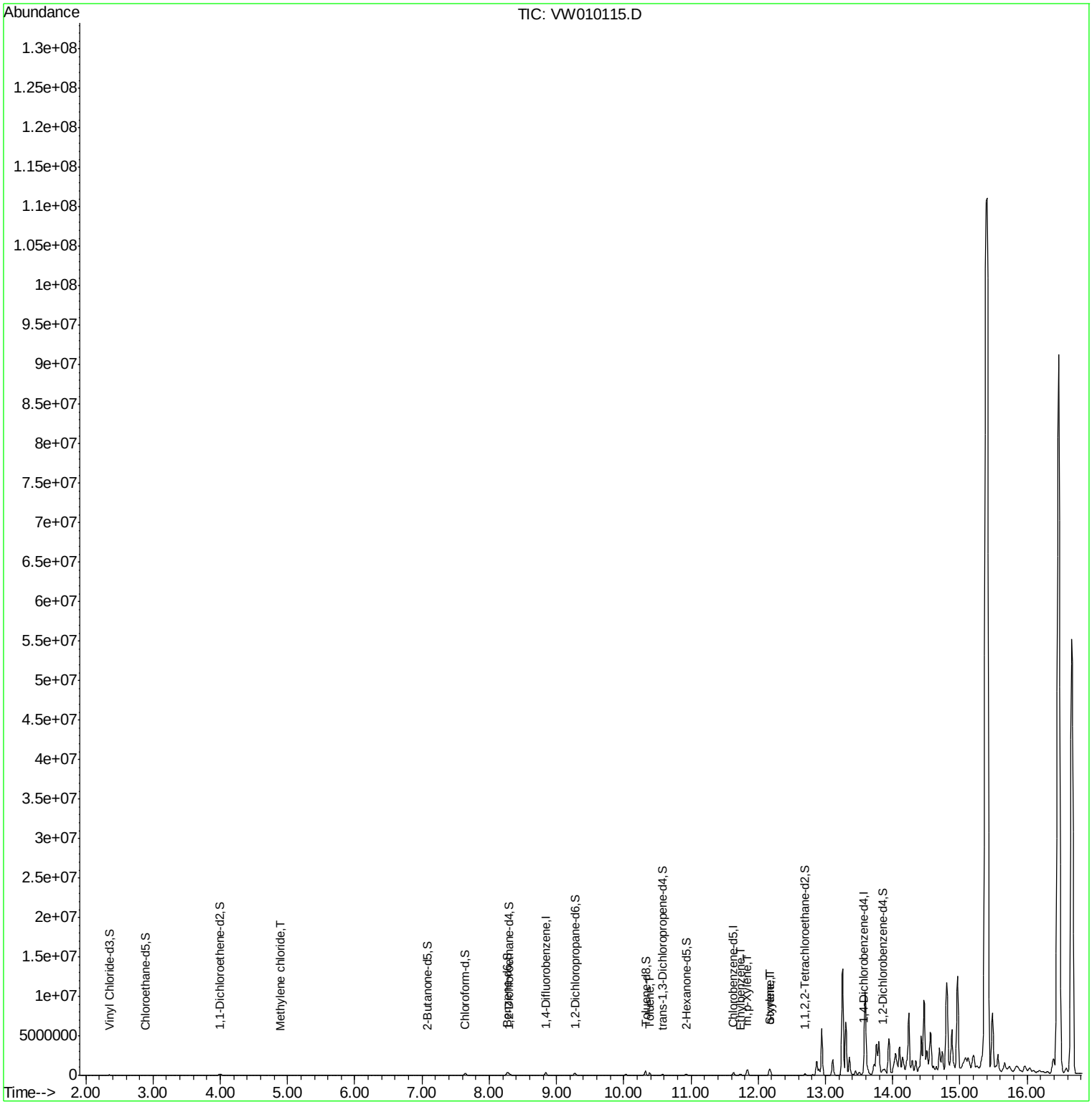
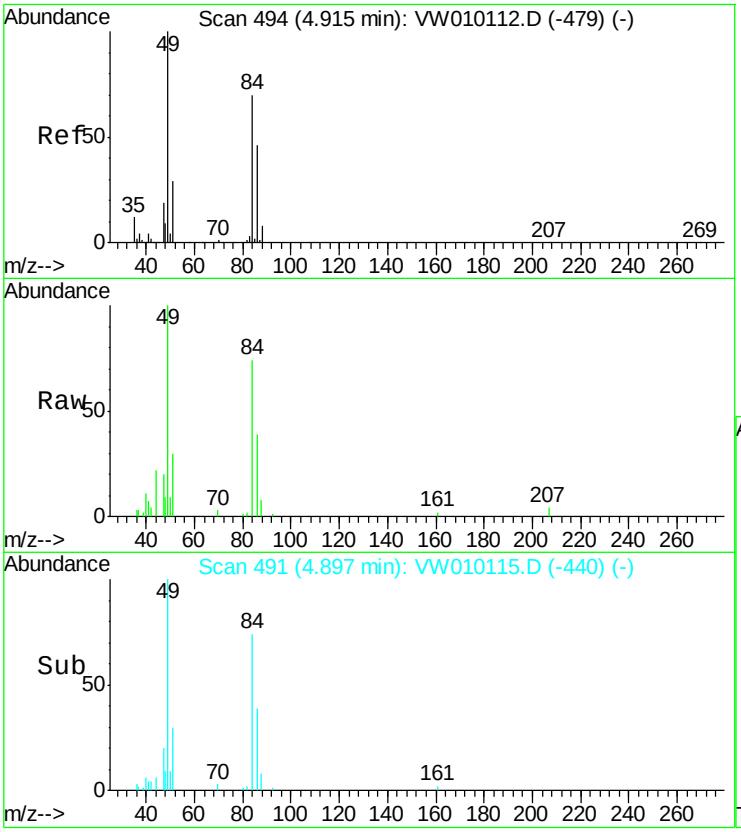
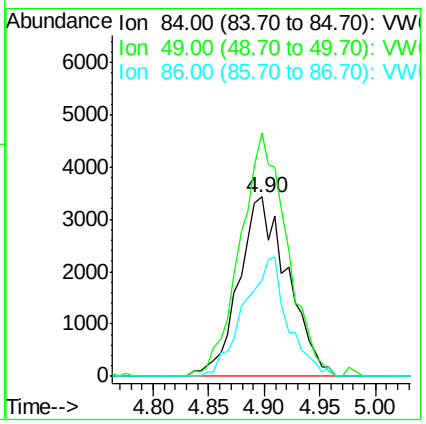




#16
Methylene chloride
Concen: 2.996 ug/L
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW010115.D
Acq: 24 Apr 2019 16:18

Tgt Ion: 84 Resp: 10487

Ion	Ratio	Lower	Upper
84	100		
49	135.6	93.5	173.7
86	53.4	44.9	83.5



Instrument :
MSVOA_W
ClientSampleId :
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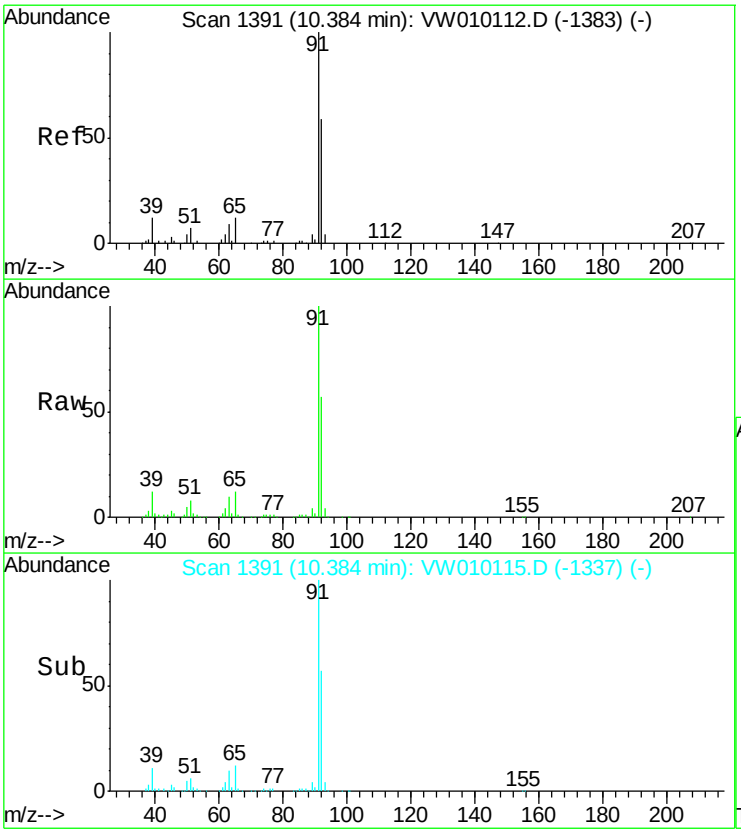
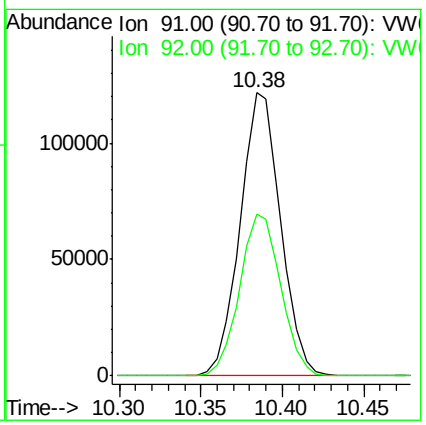
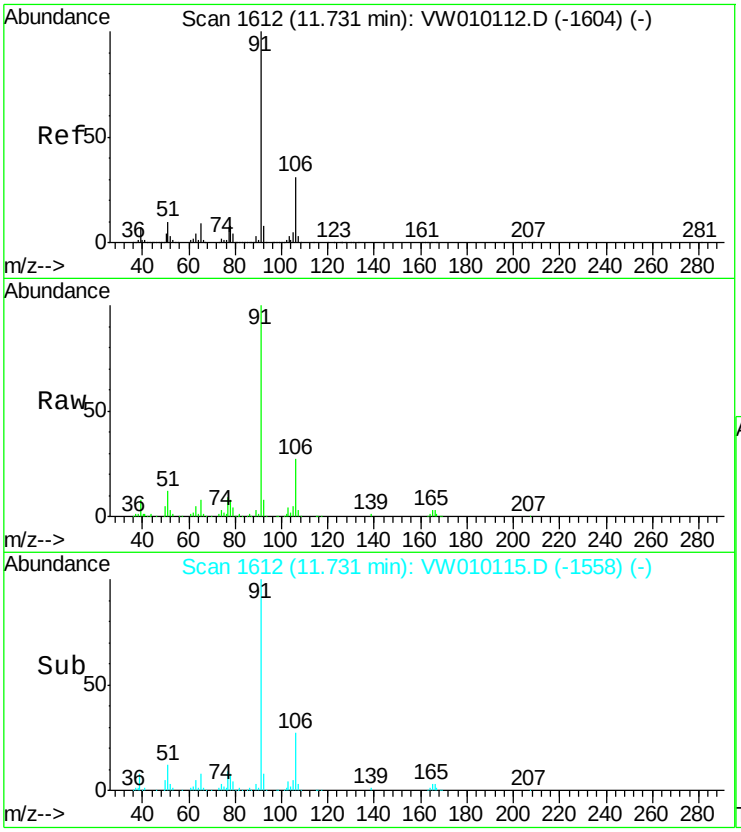


#44
Toluene
Concen: 15.114 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW010115.D
Acq: 24 Apr 2019 16:18

Tgt Ion: 91 Resp: 209899

Ion	Ratio	Lower	Upper
91	100		
92	57.0	40.3	74.9

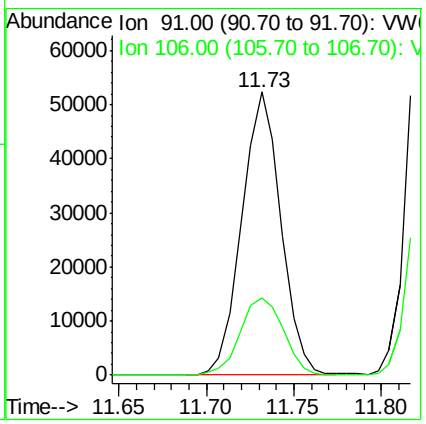




#53
Ethylbenzene
Concen: 5.237 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010115.D
Acq: 24 Apr 2019 16:18

Tgt Ion: 91 Resp: 81625

Ion	Ratio	Lower	Upper
91	100		
106	27.4	21.5	39.9



Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Manual Integrations APPROVED
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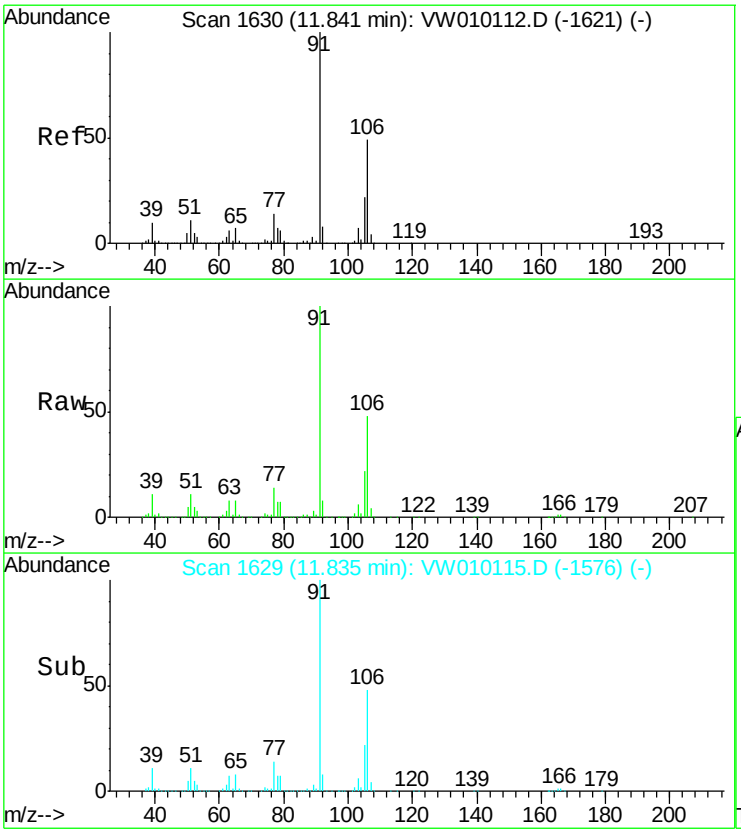
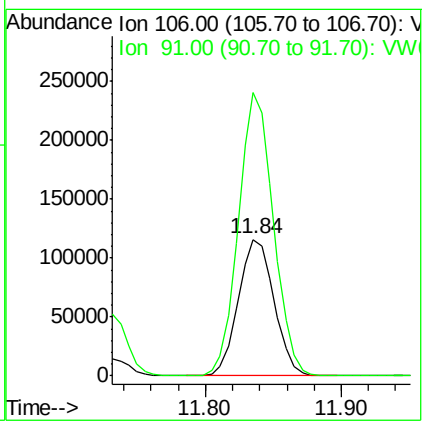
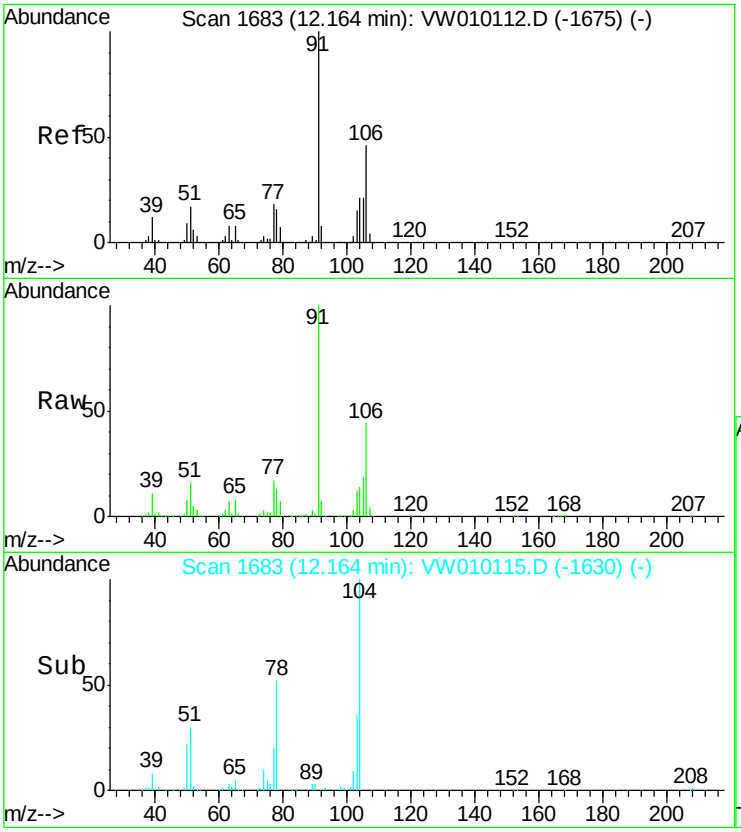


#54
m,p-Xylene
Concen: 36.890 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010115.D
Acq: 24 Apr 2019 16:18

Tgt Ion:106 Resp: 212691

Ion	Ratio	Lower	Upper
106	100		
91	207.6	143.4	266.4





#55
o-xylene
Concen: 29.310 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010115.D
Acq: 24 Apr 2019 16:18

Tgt Ion:106 Resp: 160243

Ion	Ratio	Lower	Upper
106	100		
91	226.1	151.4	281.2

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2RE

Manual Integrations APPROVED
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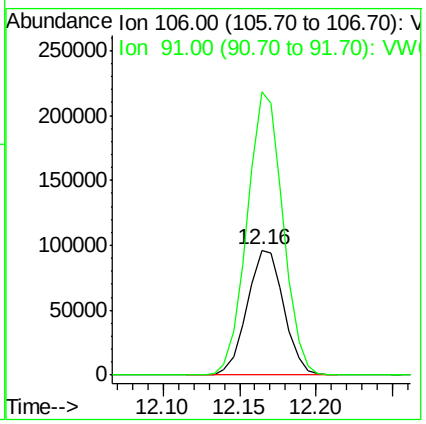
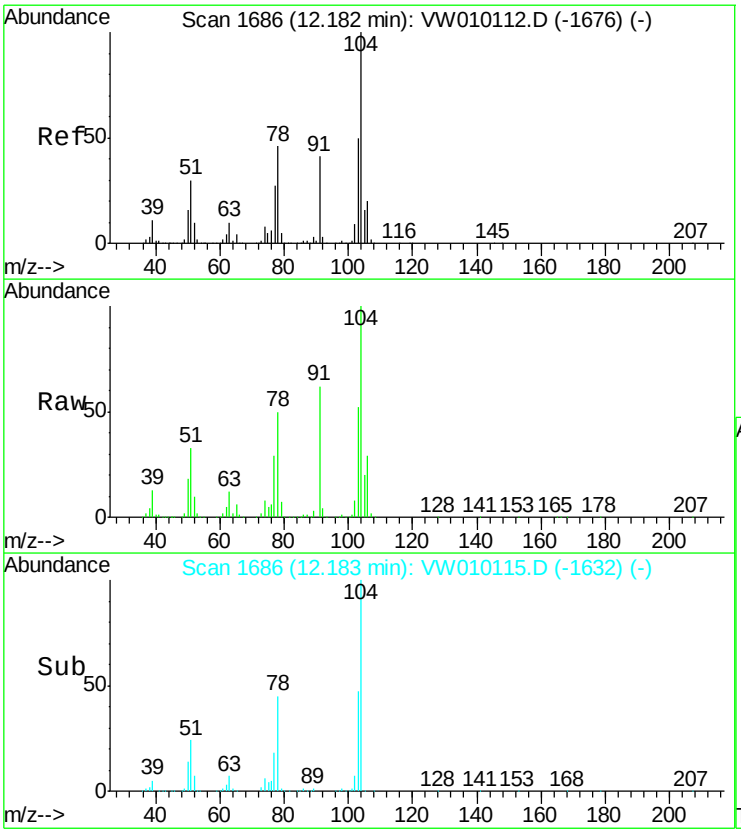
4/26/2019 12:51:21 PM





#56
Styrene
Concen: 20.857 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010115.D
Acq: 24 Apr 2019 16:18

Tgt Ion:104 Resp: 193931

Ion	Ratio	Lower	Upper
104	100		
78	50.3	33.4	62.0