Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010068.D
Acq On : 19 Apr 2019 15:46
Operator : SY/VA
Sample : K2455-18
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHR8

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:04 AM

Quant Time: Apr 20 05:23:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	227068	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	209917	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	81880	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	38913	18.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.52%			
7) Chloroethane-d5	2.88	69	33397	15.37	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 61.48%			
10) 1,1-Dichloroethene-d2	4.00	63	77723	13.06	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 52.24%			
20) 2-Butanone-d5	7.08	46	35518	30.60	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 61.20%			
24) Chloroform-d	7.65	84	100110	15.25	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 61.00%			
26) 1,2-Dichloroethane-d4	8.31	65	60950	14.96	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 59.84%#			
29) Benzene-d6	8.27	84	197790	17.15	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 68.60%			
33) 1,2-Dichloropropane-d6	9.27	67	64605	17.58	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 70.32%			
37) Toluene-d8	10.32	98	163825	15.57	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 62.28%			
38) trans-1,3-Dichloropropene-	10.57	79	25845	14.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 59.36%			
39) 2-Hexanone-d5	10.93	63	26777	32.89	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 65.78%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	53946	15.70	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 62.80%			
61) 1,2-Dichlorobenzene-d4	13.86	152	60364m	19.61	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 78.44%			
Target Compounds						Qvalue
13) Acetone	4.12	43	12548m	12.156	ug/L	
16) Methylene chloride	4.90	84	14491m	3.525	ug/L	
44) Toluene	10.39	91	55705	4.246	ug/L	99
53) Ethylbenzene	11.73	91	45936	3.133	ug/L	99
54) m,p-Xylene	11.84	106	173294	32.310	ug/L	94
55) o-xylene	12.16	106	90710	17.634	ug/L	97
56) Styrene	12.18	104	213493	23.707	ug/L	99
57) Isopropylbenzene	12.46	105	26025	1.899	ug/L #	84

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

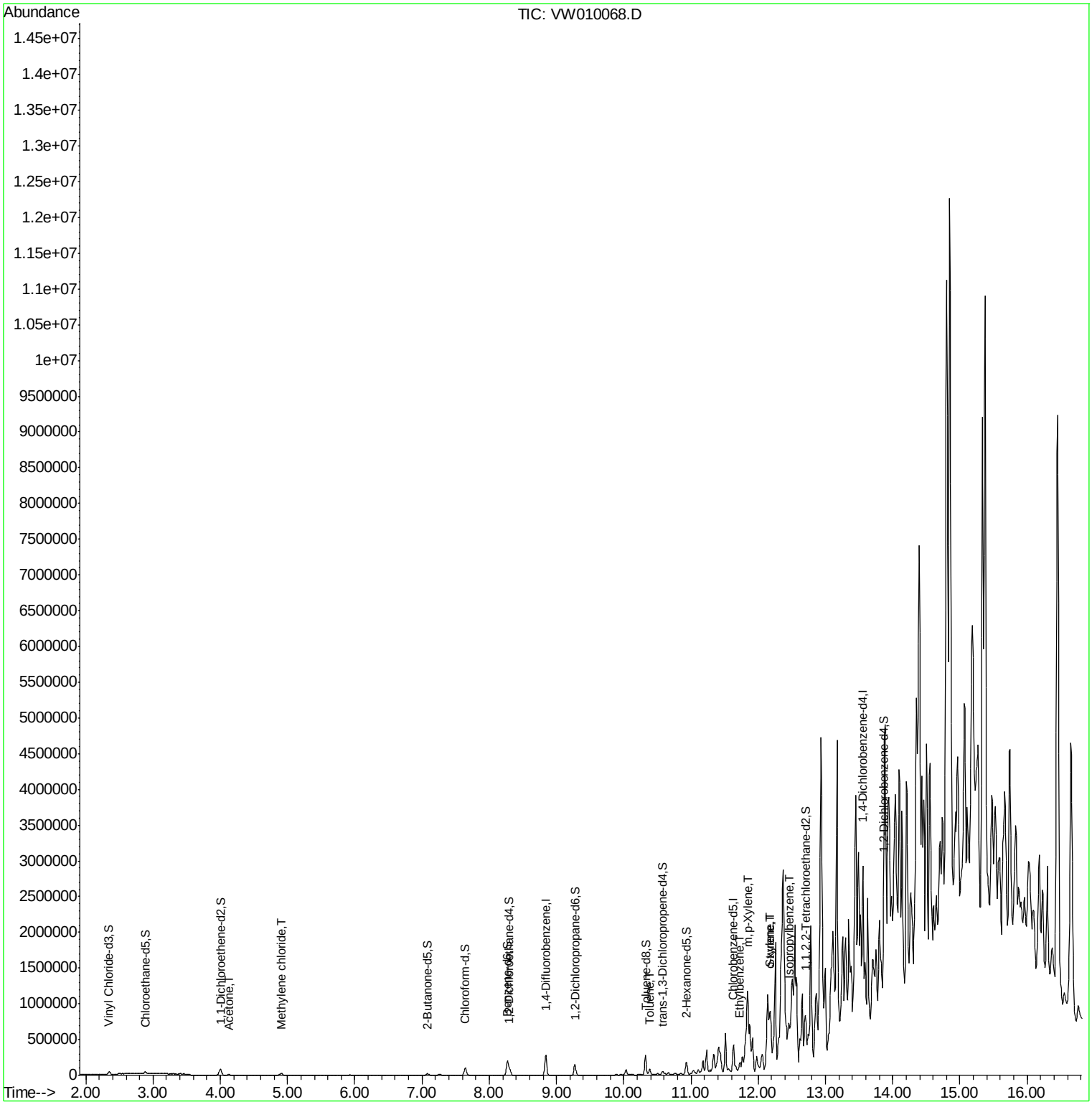
Quantitation Report (QT/LSC Reviewed)

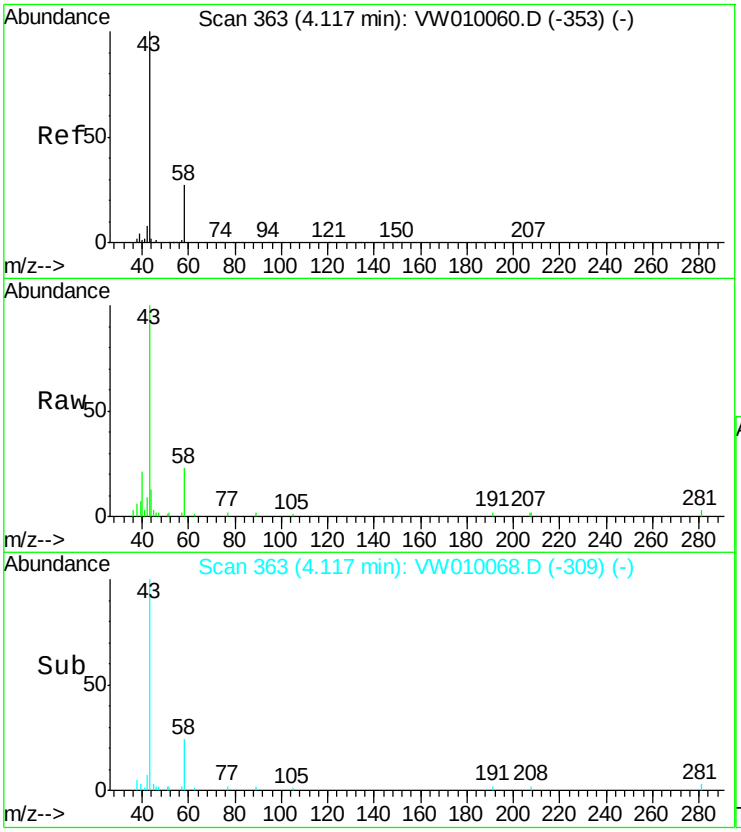
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010068.D
Acq On : 19 Apr 2019 15:46
Operator : SY/VA
Sample : K2455-18
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 20 05:23:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
GAHR8

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:04 AM

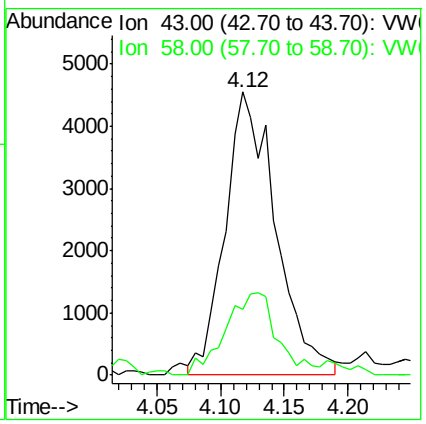




#13
Acetone
Concen: 12.156 ug/L m
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

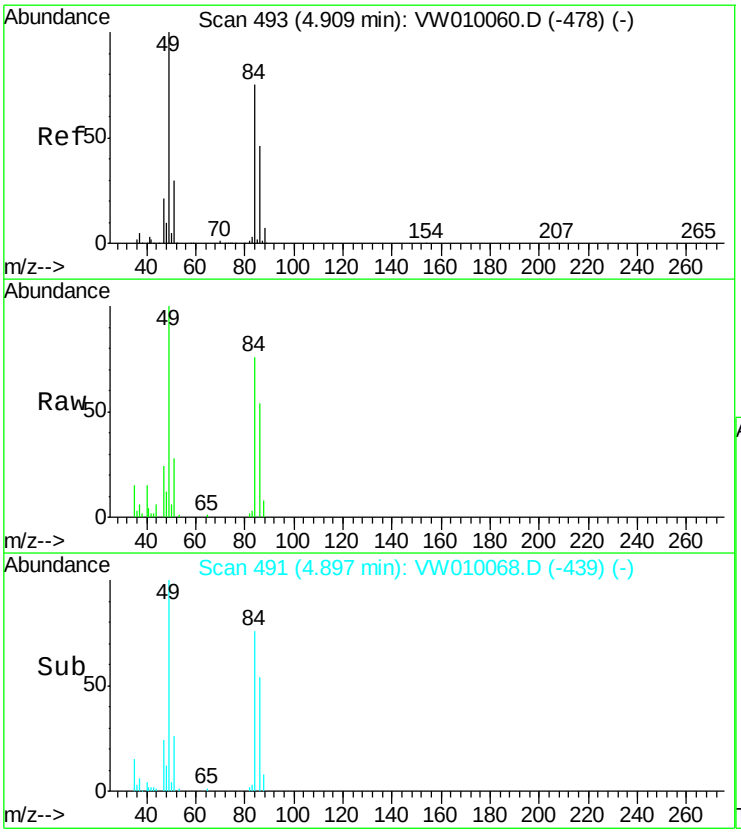
Tgt Ion: 43 Resp: 12548

Ion	Ratio	Lower	Upper
43	100		
58	28.4	0.0	56.2



Instrument :
MSVOA_W
ClientSampleId :
GAHR8

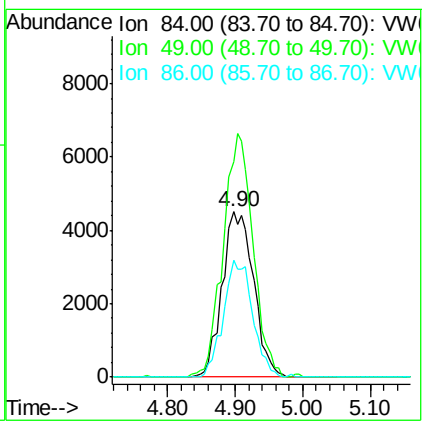
Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:04 AM

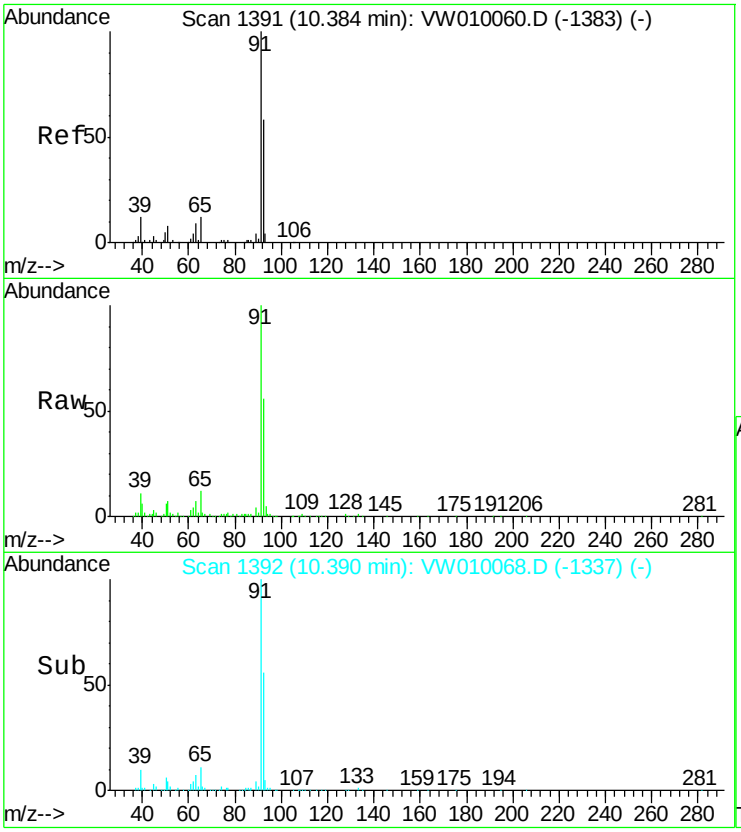


#16
Methylene chloride
Concen: 3.525 ug/L m
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

Tgt Ion: 84 Resp: 14491

Ion	Ratio	Lower	Upper
84	100		
49	130.7	100.7	187.1
86	70.5	43.8	81.3





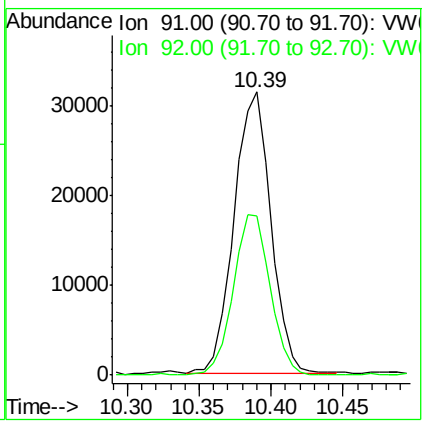
#44
Toluene
Concen: 4.246 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

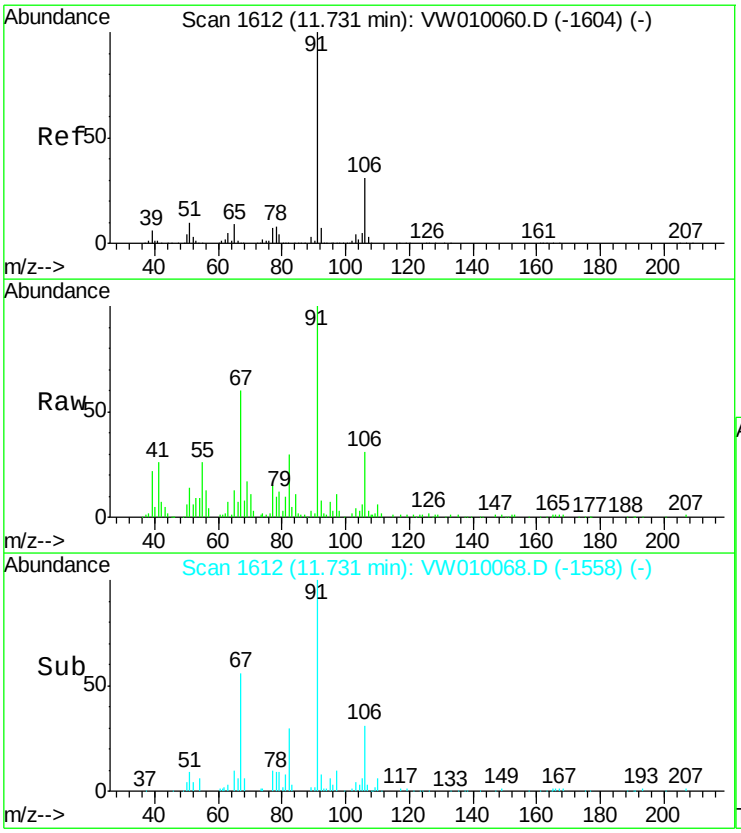
Tgt Ion: 91 Resp: 55705

Ion	Ratio	Lower	Upper
91	100		
92	56.3	39.8	74.0

Instrument :
MSVOA_W
ClientSampleId :
GAHR8

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:04 AM

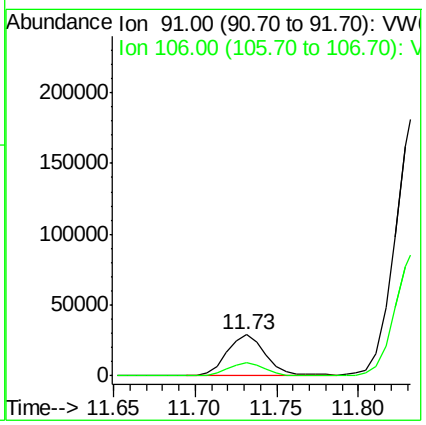


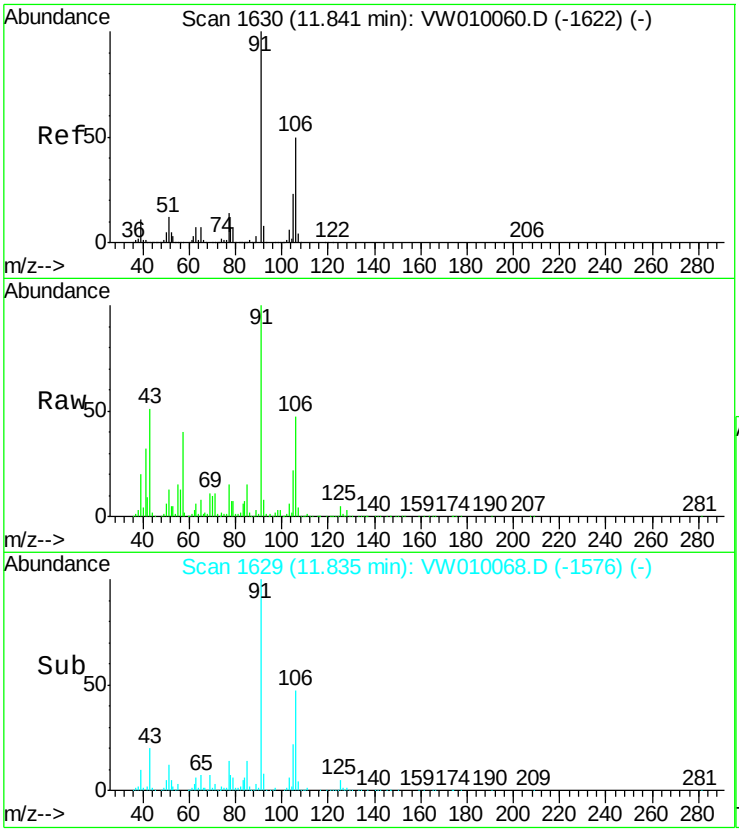


#53
Ethylbenzene
Concen: 3.133 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

Tgt Ion: 91 Resp: 45936

Ion	Ratio	Lower	Upper
91	100		
106	31.5	21.8	40.4





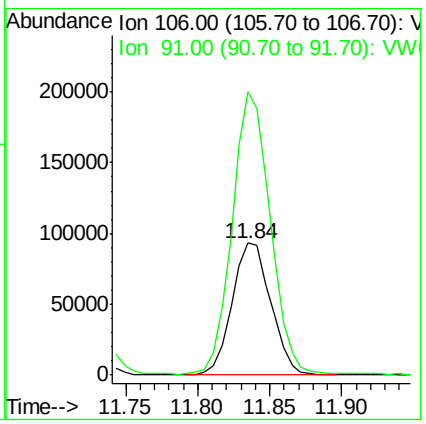
#54
m,p-Xylene
Concen: 32.310 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

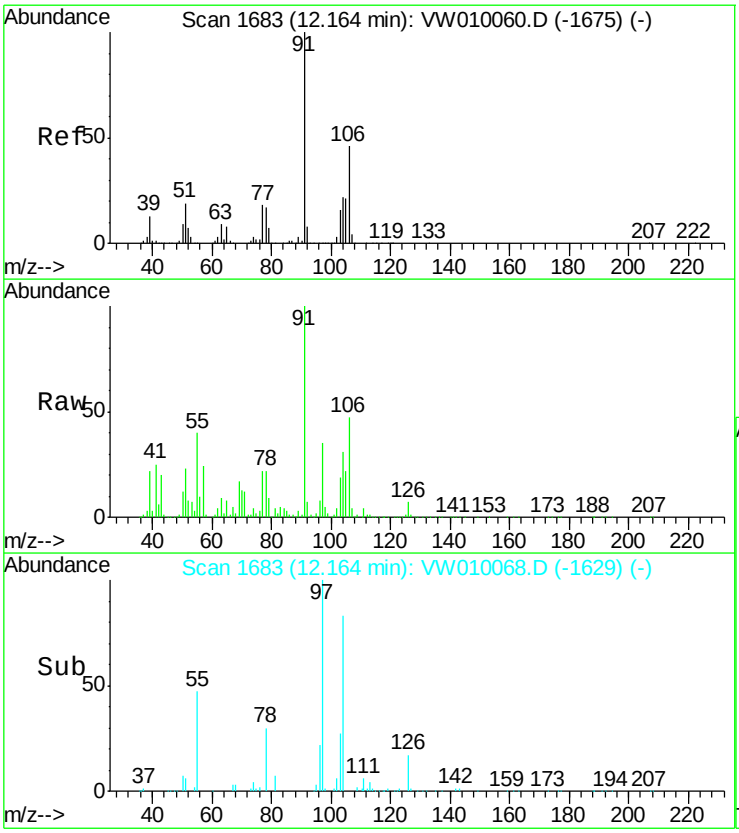
Tgt Ion:106 Resp: 173294

Ion	Ratio	Lower	Upper
106	100		
91	214.1	143.4	266.2

Instrument :
MSVOA_W
ClientSampleId :
GAHR8

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:04 AM

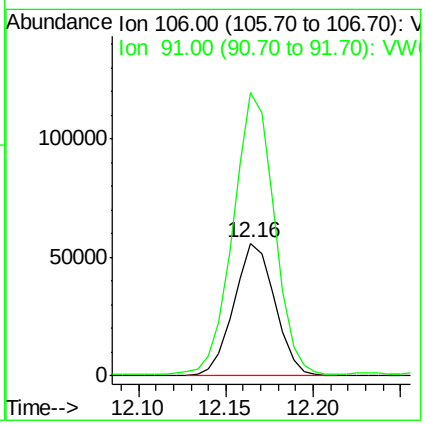


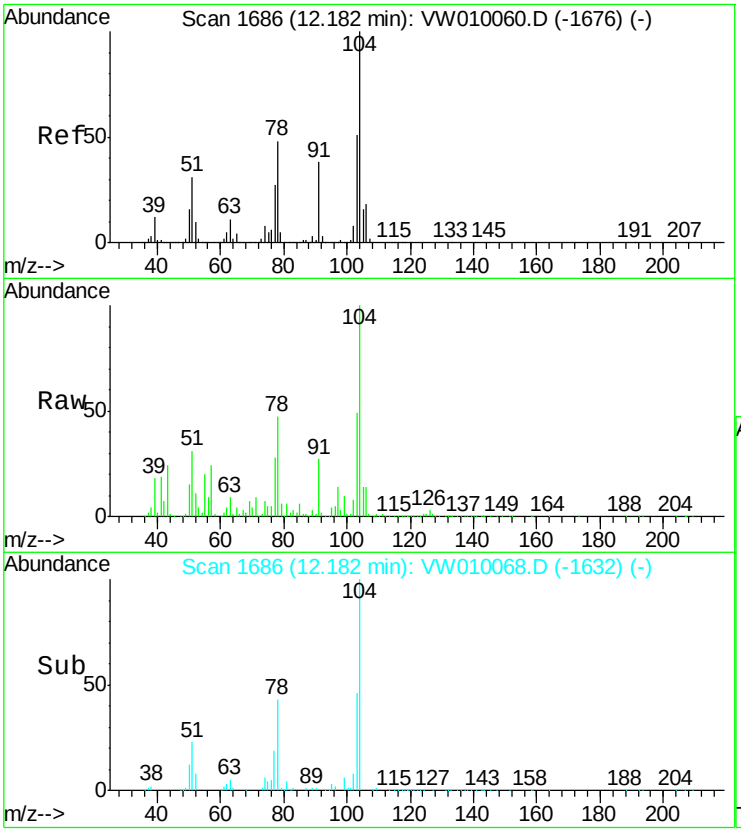


#55
o-xylene
Concen: 17.634 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

Tgt Ion:106 Resp: 90710

Ion	Ratio	Lower	Upper
106	100		
91	213.1	152.2	282.7





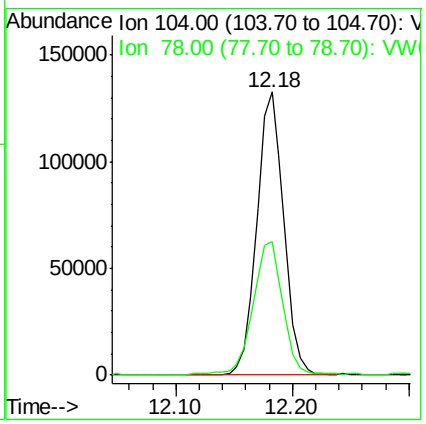
#56
Stvrene
Concen: 23.707 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

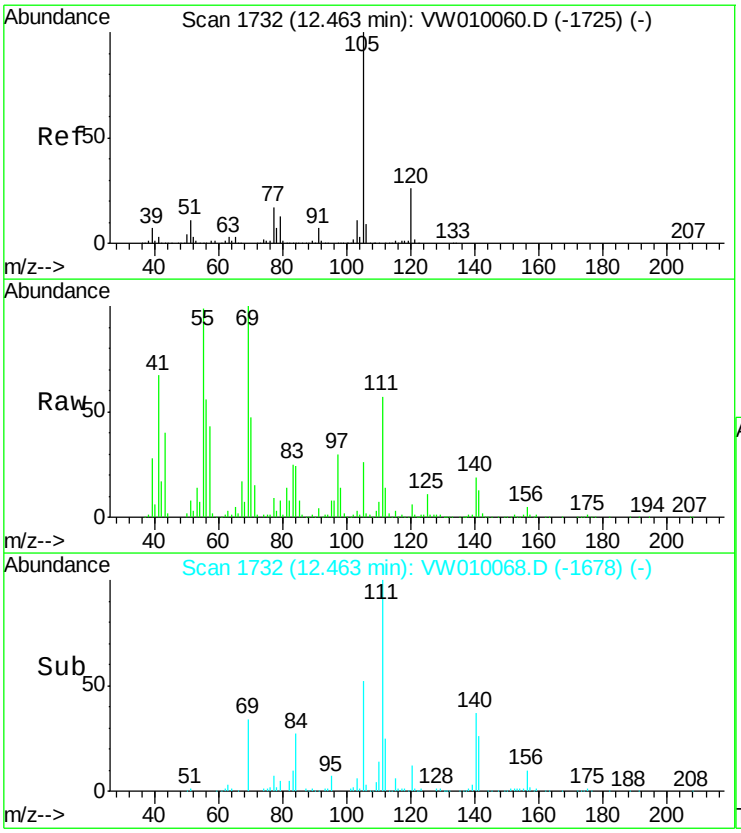
Tgt Ion:104 Resp: 213493

Ion	Ratio	Lower	Upper
104	100		
78	47.1	32.7	60.7

Instrument :
MSVOA_W
ClientSampleId :
GAHR8

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:04 AM





#57
Isopropylbenzene
Concen: 1.899 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW010068.D
Acq: 19 Apr 2019 15:46

Tgt Ion:105 Resp: 26025

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	30.8
77	33.9	13.4	20.2#