Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHQ5

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:42 AM

Quant Time: Apr 23 08:13:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 07:55:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	226214	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	215768	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	105641	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	34761	11.15	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 44.60%			
7) Chloroethane-d5	1.57	69	36774	15.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 60.68%			
10) 1,1-Dichloroethene-d2	2.12	63	61490	10.57	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 42.28%#			
20) 2-Butanone-d5	3.93	46	32444m	44.52	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.04%			
24) Chloroform-d	4.39	84	111195	20.11	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 80.44%			
26) 1,2-Dichloroethane-d4	5.08	65	76309	22.50	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.00%			
29) Benzene-d6	5.09	84	202791	20.36	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 81.44%			
33) 1,2-Dichloropropane-d6	6.11	67	68224	23.22	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.88%			
37) Toluene-d8	7.36	98	185133	18.04	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 72.16%			
38) trans-1,3-Dichloropropene-	7.66	79	24573	16.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 67.92%			
39) 2-Hexanone-d5	8.13	63	20071	34.38	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 68.76%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58075	20.28	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 81.12%			
61) 1,2-Dichlorobenzene-d4	11.67	152	77398	19.28	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 77.12%			
Target Compounds						Qvalue
13) Acetone	2.18	43	5056	6.473	ug/L	82
16) Methylene chloride	2.53	84	16675	5.026	ug/L	93
44) Toluene	7.43	91	17397	1.509	ug/L	92
54) m,p-Xylene	9.18	106	19912	3.769	ug/L	90
55) o-xylene	9.59	106	18476	3.511	ug/L	93
56) Styrene	9.60	104	53394	6.150	ug/L	92

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

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Instrument :
MSVOA_V
ClientSampleId :
GAHQ5

Manual Integrations APPROVED
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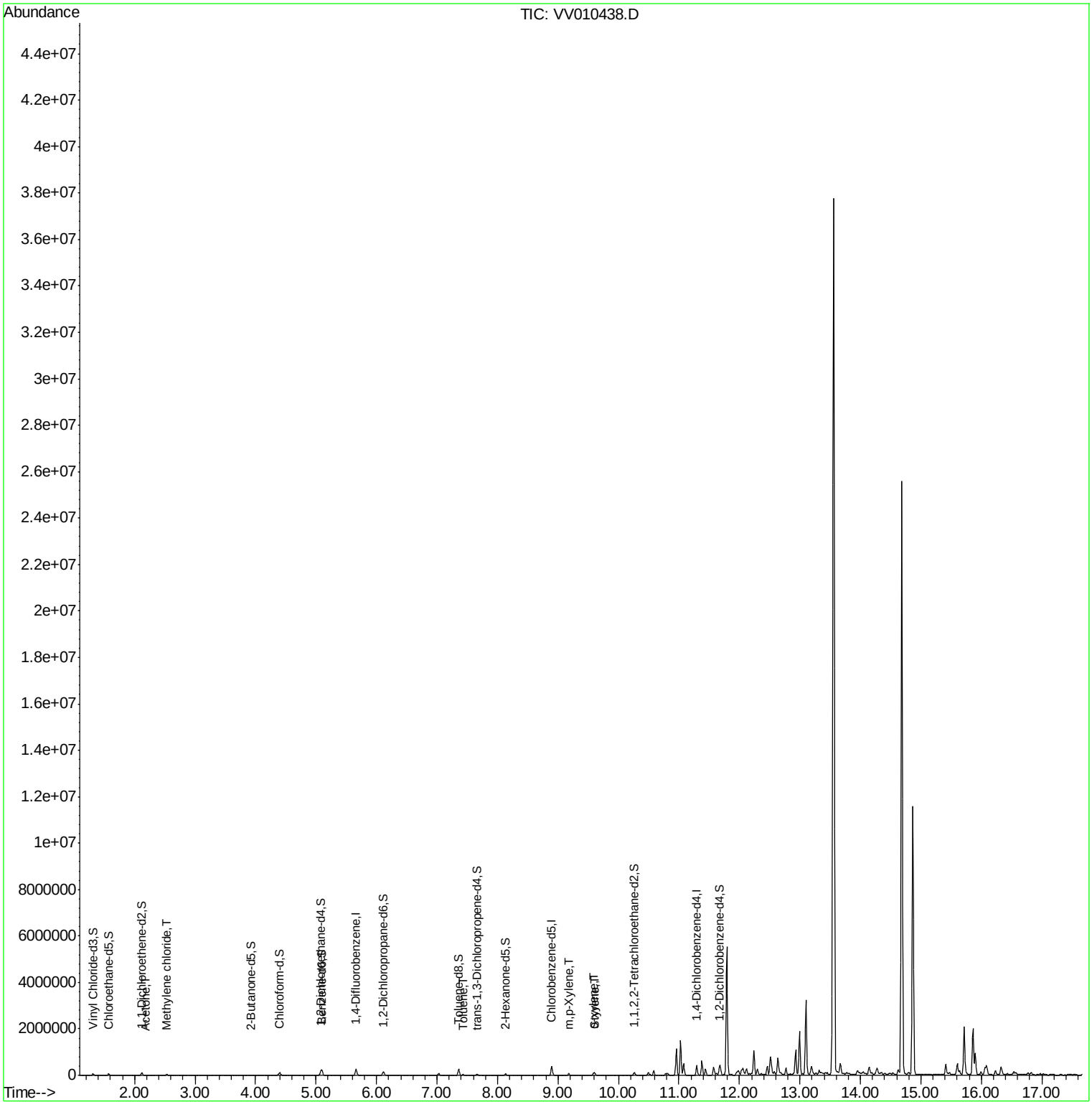
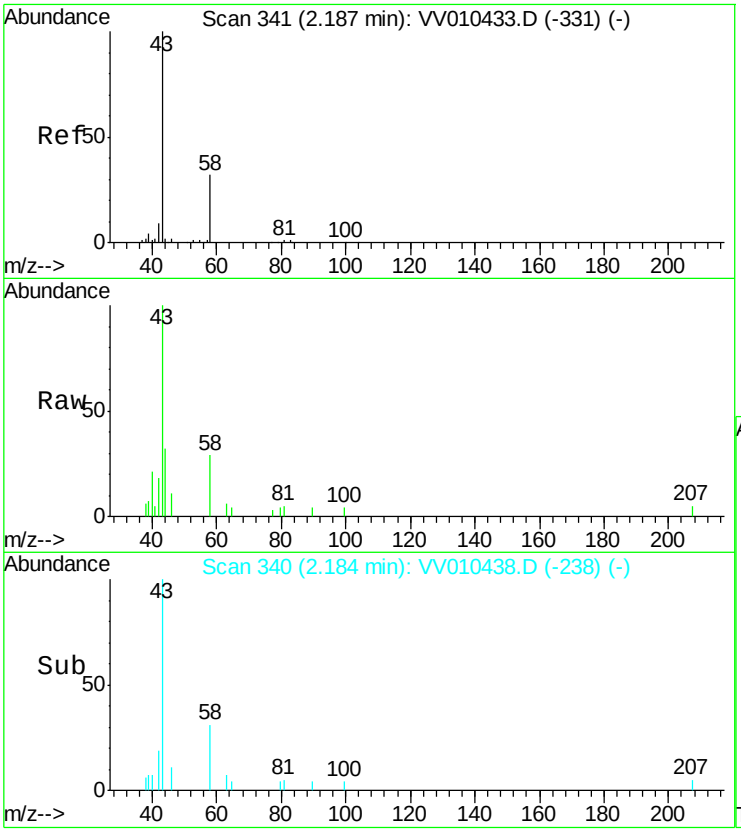
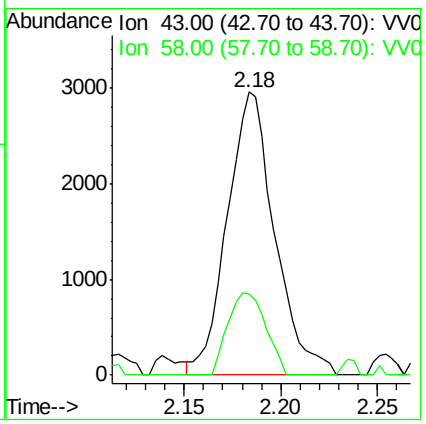




#13
Acetone
Concen: 6.473 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.00 min
Lab File: VV010438.D
Acq: 23 Apr 2019 05:56

Tgt Ion: 43 Resp: 5056

Ion	Ratio	Lower	Upper
43	100		
58	23.3	0.0	66.4



Instrument :
MSVOA_V
ClientSampleId :
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MMDadoda
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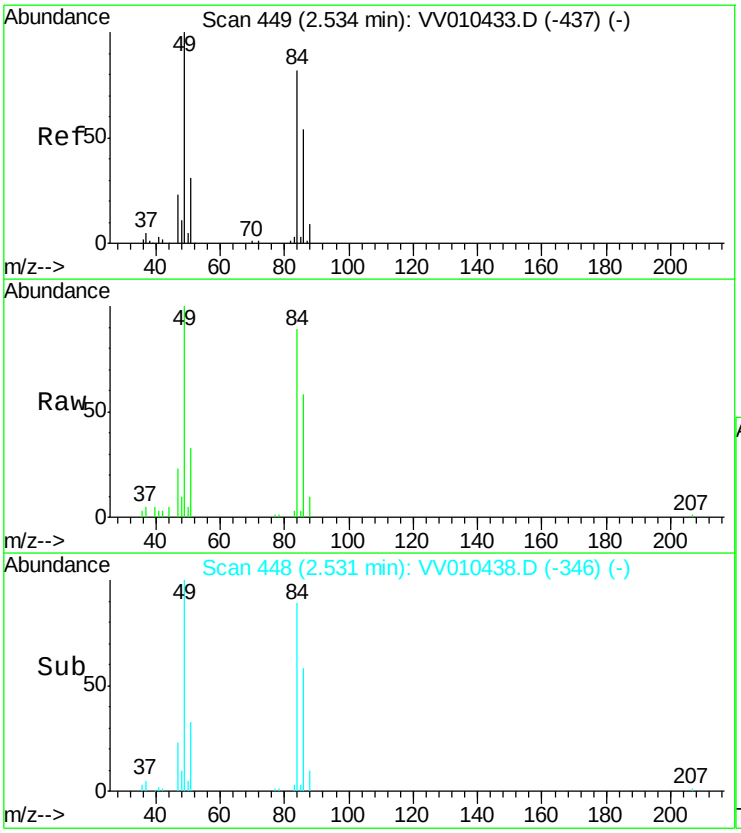
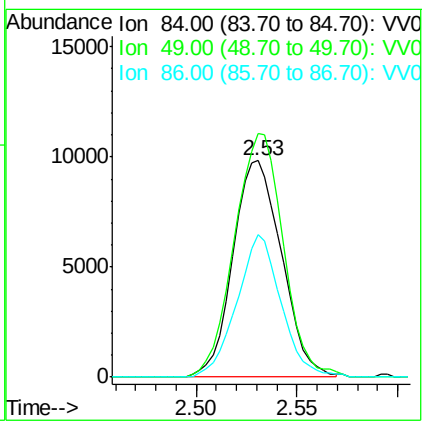
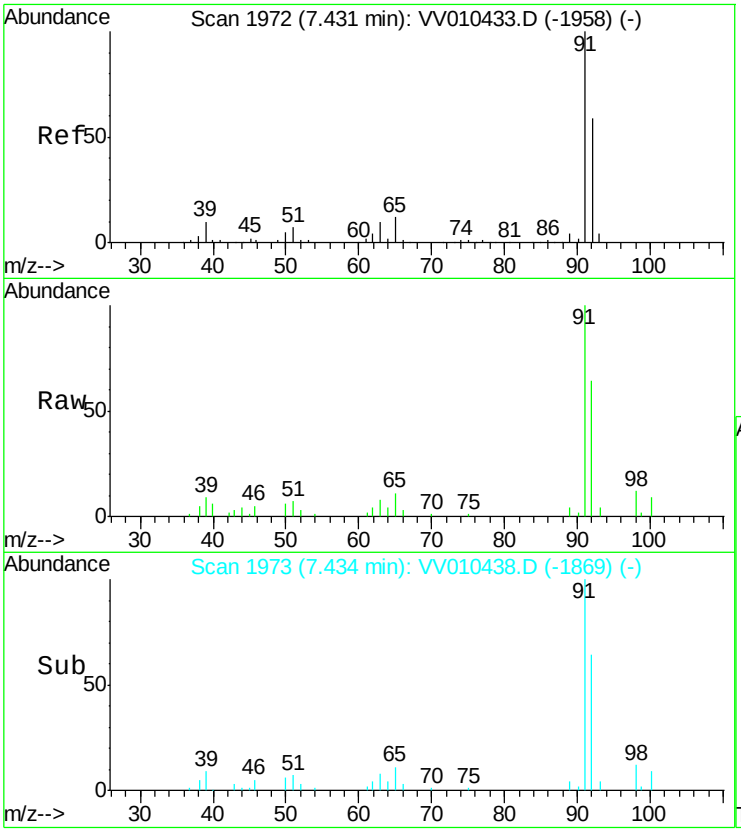


#16
Methylene chloride
Concen: 5.026 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010438.D
Acq: 23 Apr 2019 05:56

Tgt Ion: 84 Resp: 16675

Ion	Ratio	Lower	Upper
84	100		
49	112.6	85.0	158.0
86	65.6	43.9	81.5

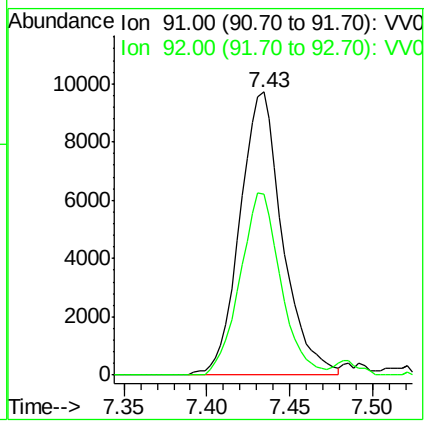




#44
Toluene
Concen: 1.509 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV010438.D
Acq: 23 Apr 2019 05:56

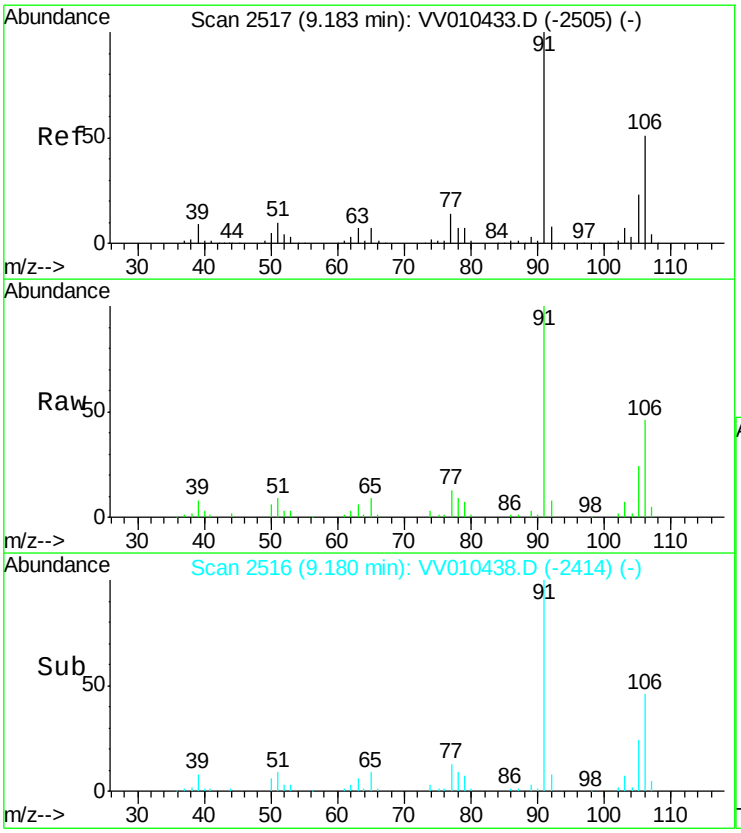
Tgt Ion: 91 Resp: 17397

Ion	Ratio	Lower	Upper
91	100		
92	64.1	40.5	75.1



Instrument :
MSVOA_V
ClientSampleId :
GAHQ5

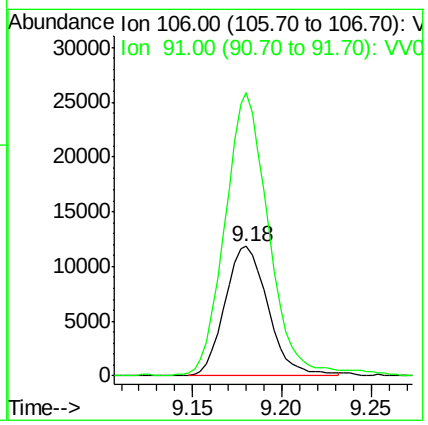
Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:42 AM

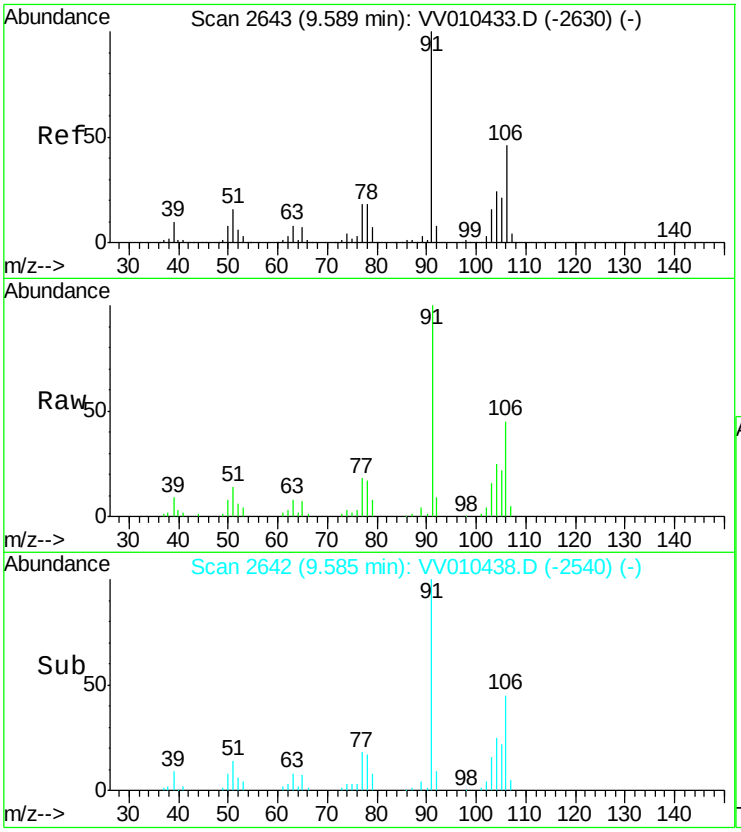


#54
m,p-Xylene
Concen: 3.769 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010438.D
Acq: 23 Apr 2019 05:56

Tgt Ion:106 Resp: 19912

Ion	Ratio	Lower	Upper
106	100		
91	218.8	142.5	264.7

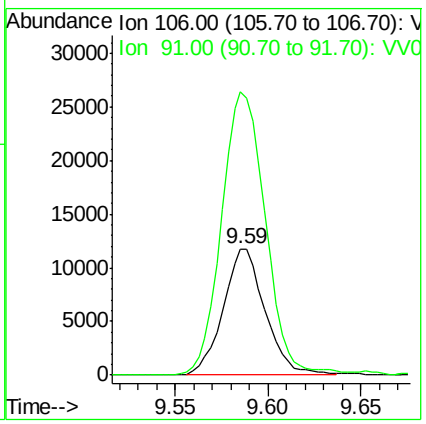




#55
o-xylene
Concen: 3.511 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV010438.D
Acq: 23 Apr 2019 05:56

Tgt Ion:106 Resp: 18476

Ion	Ratio	Lower	Upper
106	100		
91	224.0	148.5	275.9



Instrument :
MSVOA_V
ClientSampleId :
GAHQ5

Manual Integrations APPROVED
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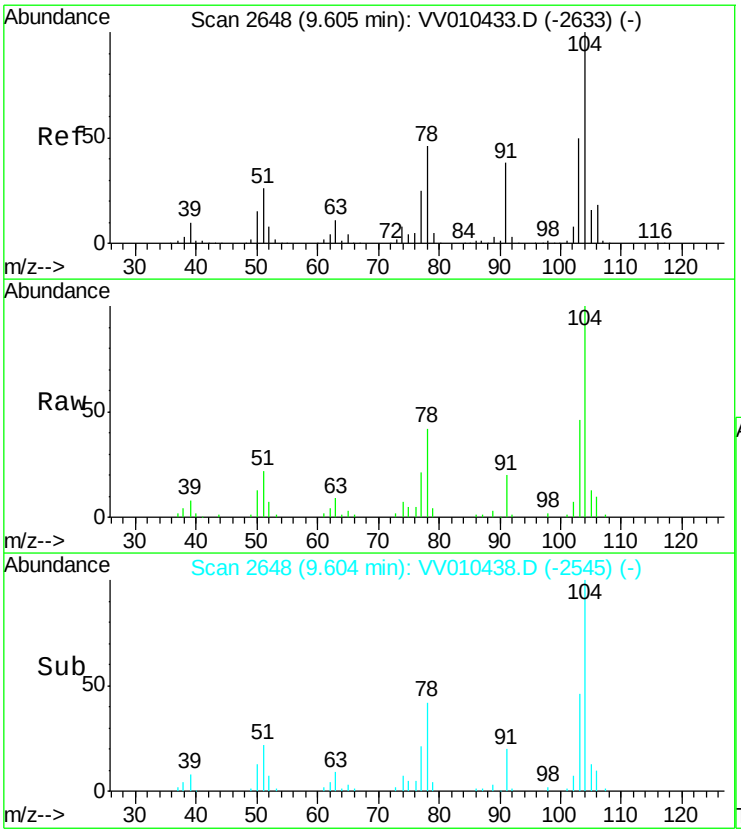

#56
Styrene
Concen: 6.150 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV010438.D
Acq: 23 Apr 2019 05:56

Tgt Ion:104 Resp: 53394

Ion	Ratio	Lower	Upper
104	100		
78	42.1	33.3	61.9