Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121719\
Data File : VW014390.D
Acq On : 17 Dec 2019 14:10
Operator : SY/VA
Sample : K6270-10
Misc : 5.43G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETK86

Manual Integrations APPROVED
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12/18/2019 3:30:49 PM

Quant Time: Dec 18 02:42:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 18 01:35:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1218869	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1077423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	479359	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	334345	18.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.44%			
7) Chloroethane-d5	2.89	69	279037	20.33	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.32%			
10) 1,1-Dichloroethene-d2	4.02	63	489483m	15.01	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 60.04%			
20) 2-Butanone-d5	7.07	46	237409	49.36	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.72%			
24) Chloroform-d	7.65	84	702484	22.64	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.56%			
26) 1,2-Dichloroethane-d4	8.30	65	394005m	24.22	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.88%			
29) Benzene-d6	8.27	84	1438834	22.79	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.16%			
33) 1,2-Dichloropropane-d6	9.27	67	462645	23.81	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.24%			
37) Toluene-d8	10.32	98	1263728	22.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 88.52%			
38) trans-1,3-Dichloropropene-	10.57	79	183550	22.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.08%			
39) 2-Hexanone-d5	10.92	63	203114	52.58	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.16%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	391886	24.75	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.00%			
61) 1,2-Dichlorobenzene-d4	13.85	152	438748	23.95	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.80%			
Target Compounds						Qvalue
13) Acetone	4.12	43	21280	4.589	ug/L	87
30) Cyclohexane	7.95	56	24789	0.922	ug/L #	79
34) Benzene	8.32	78	111492m	1.634	ug/L	
36) Methylcyclohexane	9.33	83	40931	1.395	ug/L #	85
44) Toluene	10.38	91	272595	3.811	ug/L	98
53) Ethylbenzene	11.73	91	93782	1.208	ug/L	96
54) m,p-Xylene	11.83	106	50495	1.691	ug/L	98
55) o-xylene	12.16	106	22466	0.793	ug/L	98

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

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MSVOA_W
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ETK86

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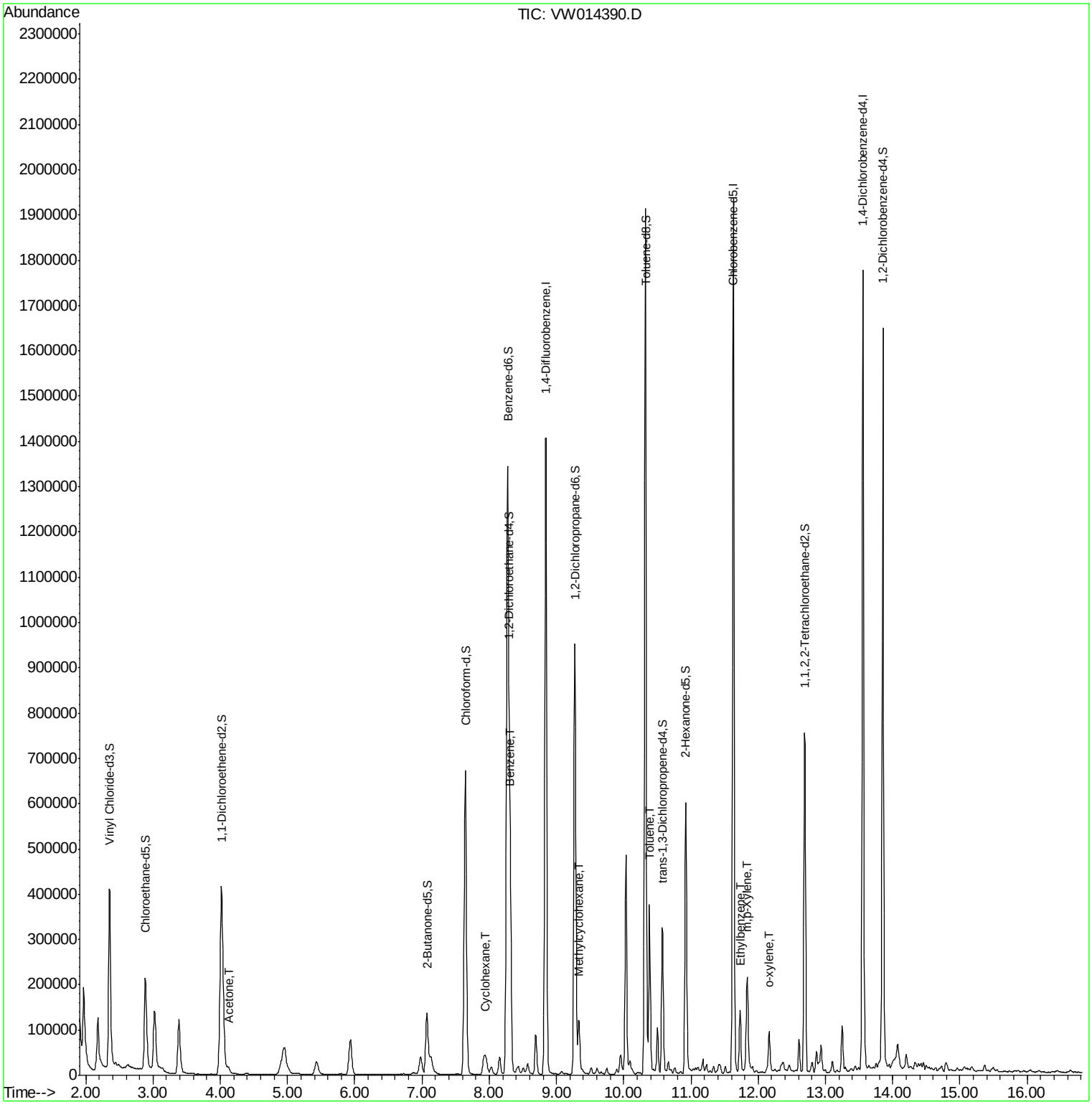
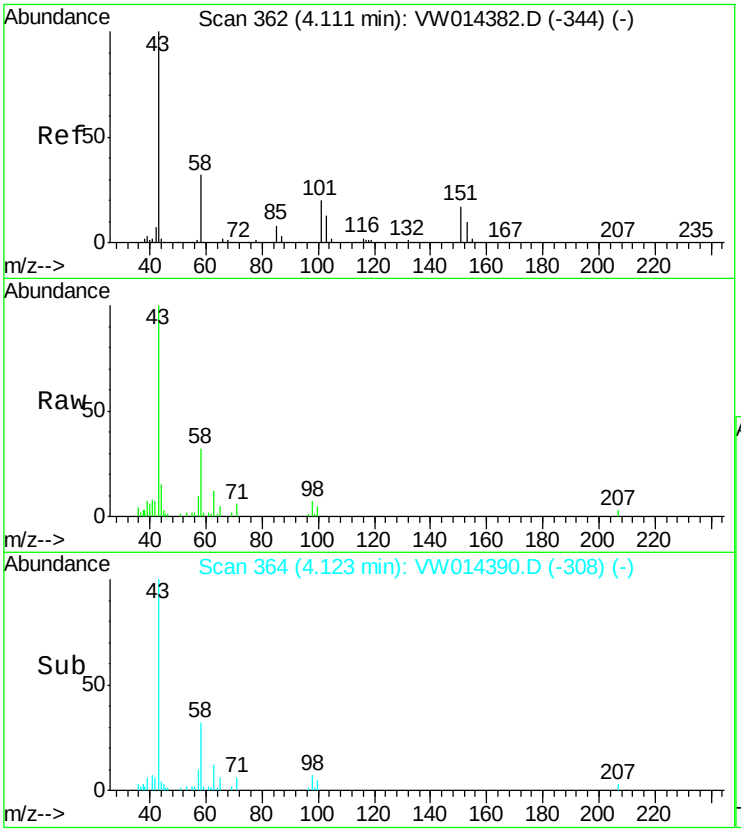
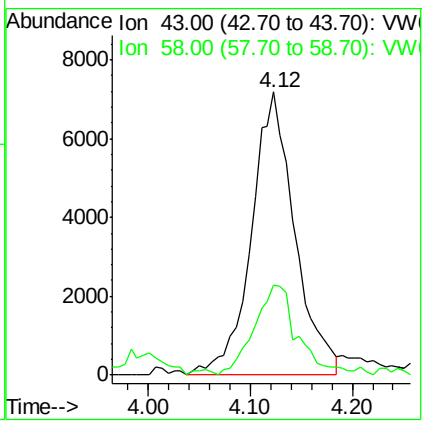




#13
Acetone
Concen: 4.589 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion: 43 Resp: 21280

Ion	Ratio	Lower	Upper
43	100		
58	25.3	0.0	65.4



Instrument :
MSVOA_W
ClientSampleId :
ETK86

Manual Integrations APPROVED
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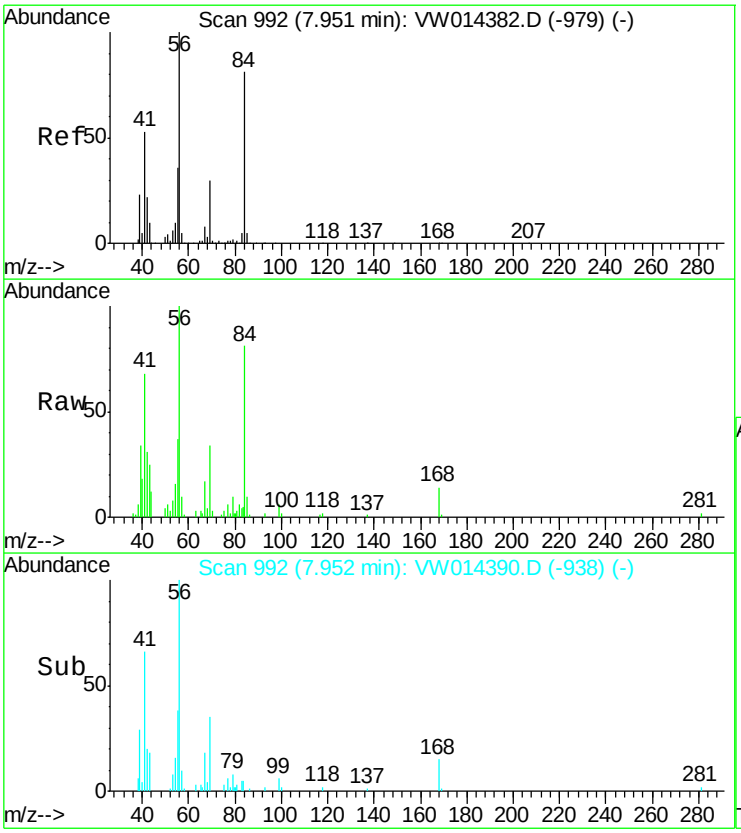
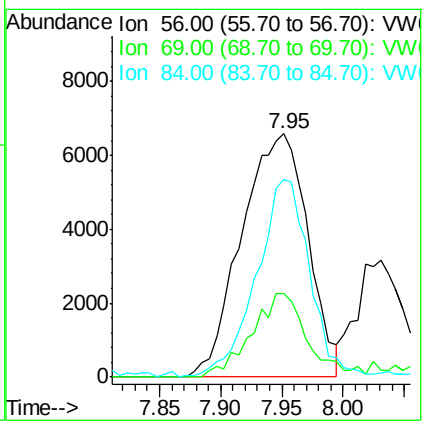
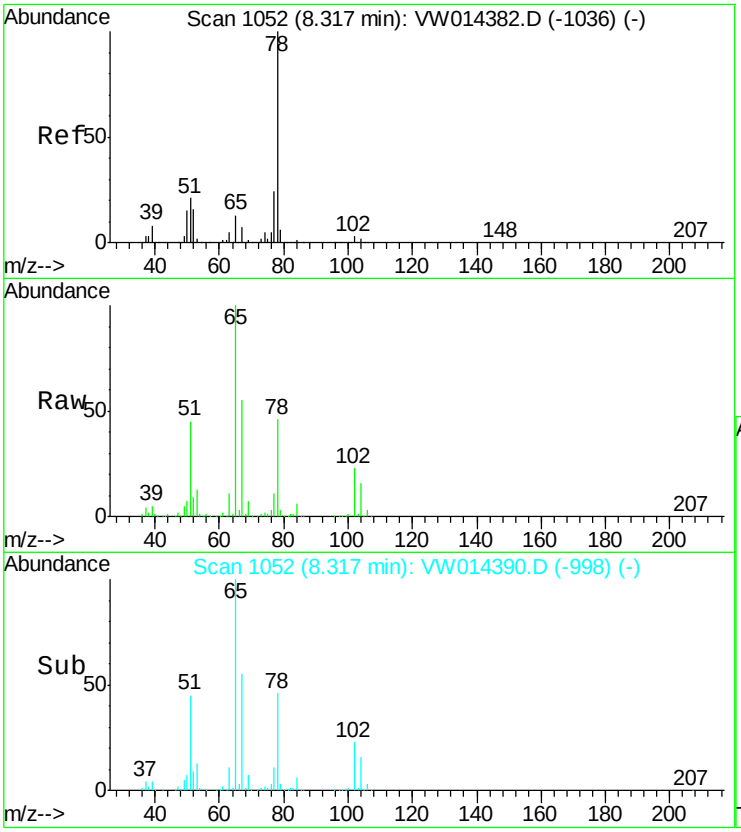


#30
Cyclohexane
Concen: 0.922 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion: 56 Resp: 24789

Ion	Ratio	Lower	Upper
56	100		
69	25.6	24.6	37.0
84	64.6	70.2	105.2#





#34
Benzene
Concen: 1.634 ug/L m
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion: 78 Resp: 111492

Instrument :
MSVOA_W
ClientSampleId :
ETK86

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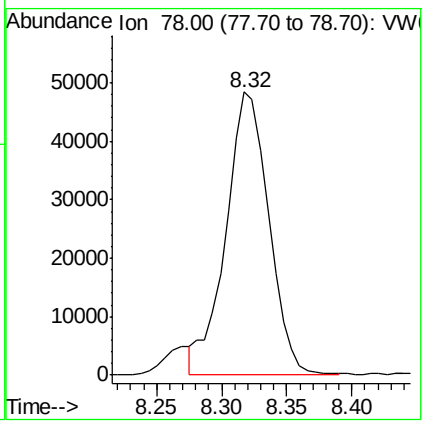
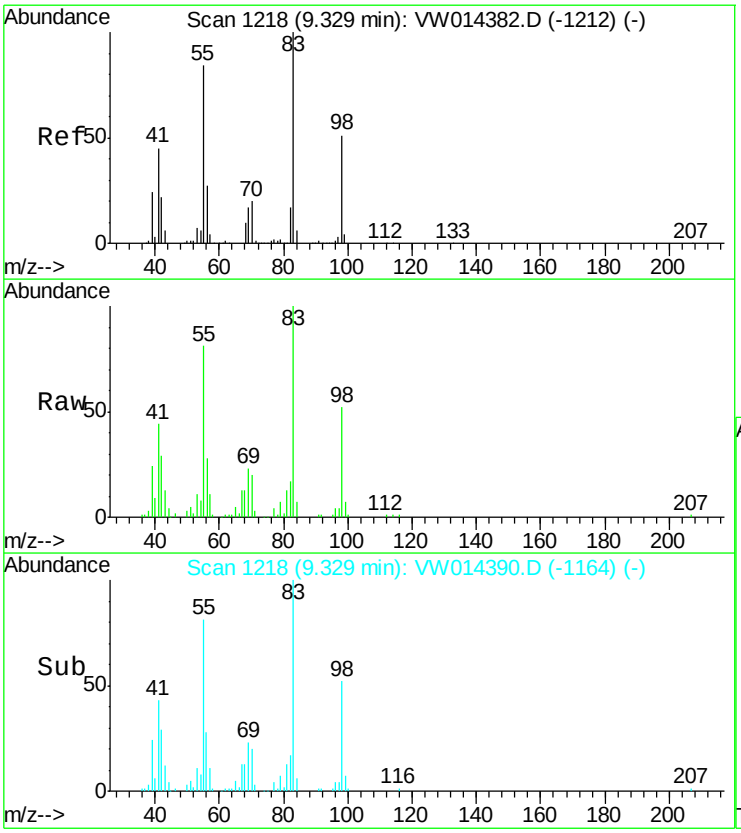
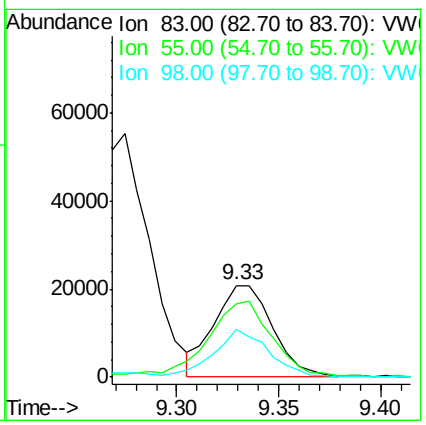


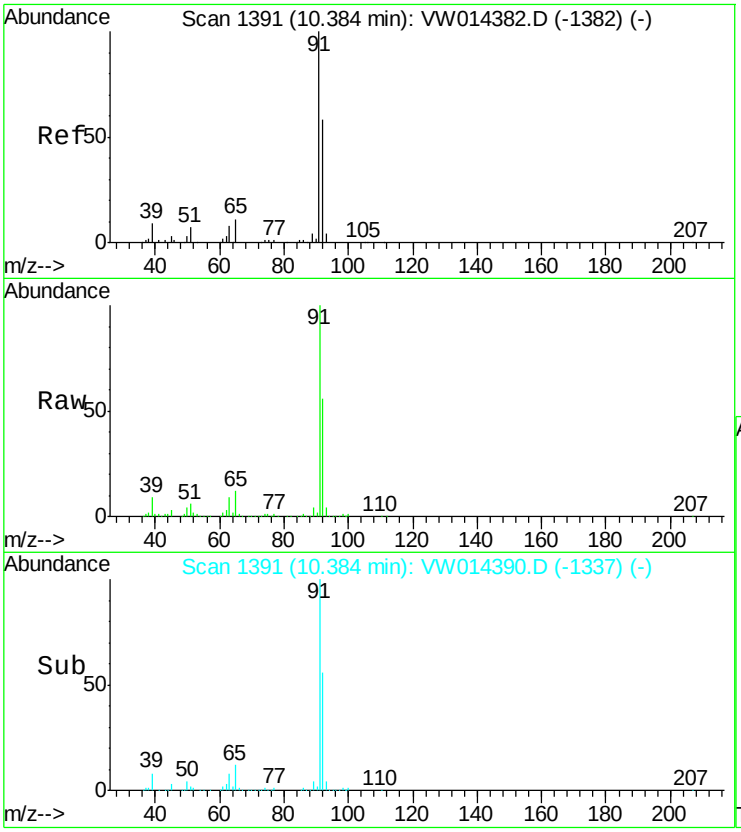


#36
Methylcyclohexane
Concen: 1.395 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion: 83 Resp: 40931

Ion	Ratio	Lower	Upper
83	100		
55	95.3	59.8	89.8#
98	49.4	39.5	59.3

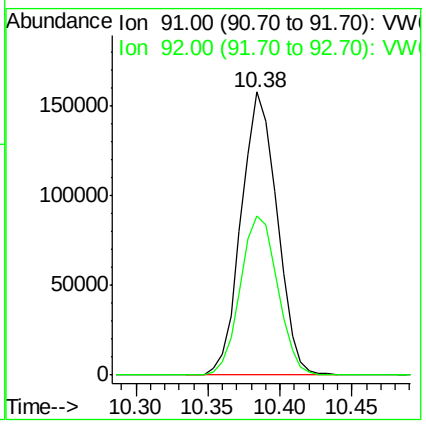




#44
Toluene
Concen: 3.811 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion: 91 Resp: 272595

Ion	Ratio	Lower	Upper
91	100		
92	56.5	40.7	75.7



Instrument :
MSVOA_W
ClientSampleId :
ETK86

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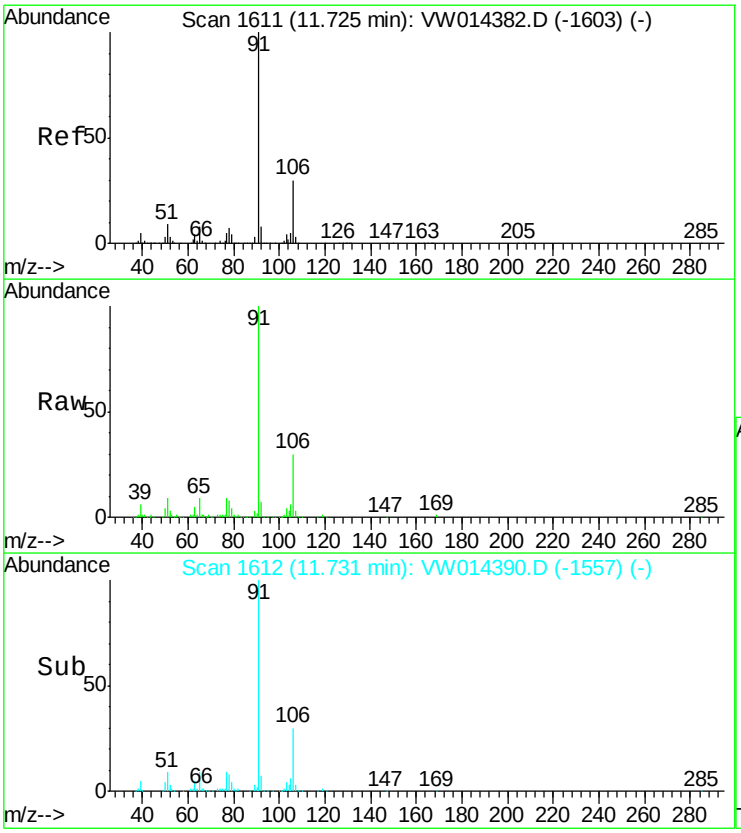
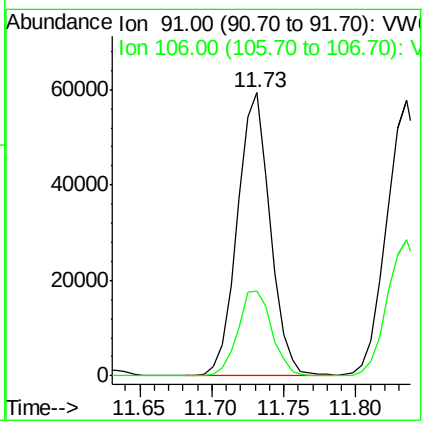
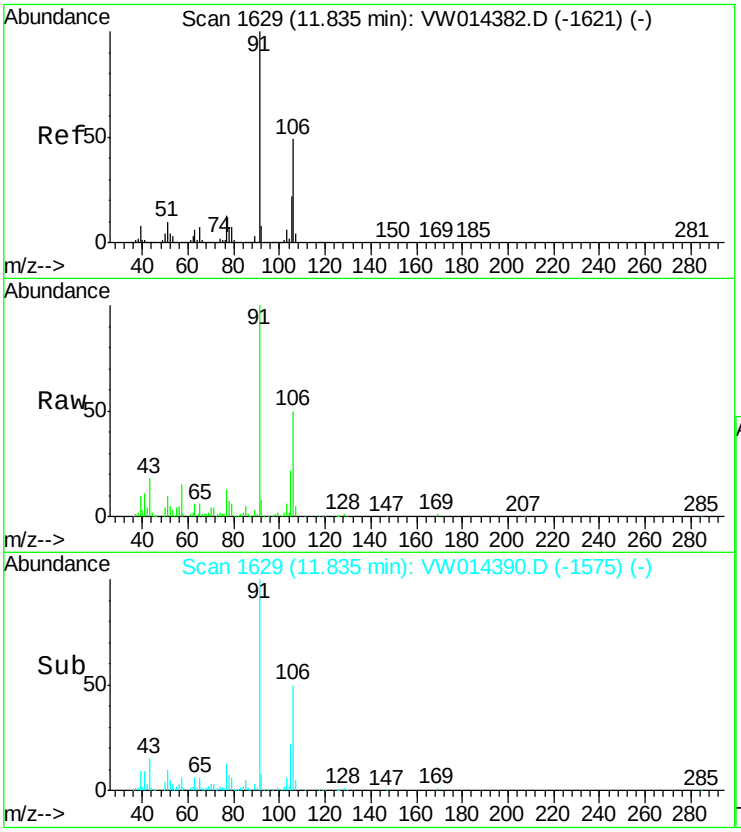


#53
Ethylbenzene
Concen: 1.208 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion: 91 Resp: 93782

Ion	Ratio	Lower	Upper
91	100		
106	29.8	22.3	41.5





#54
m,p-Xylene
Concen: 1.691 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion:106 Resp: 50495

Ion	Ratio	Lower	Upper
106	100		
91	201.2	138.7	257.5

Instrument :
MSVOA_W
ClientSampleId :
ETK86

Manual Integrations APPROVED
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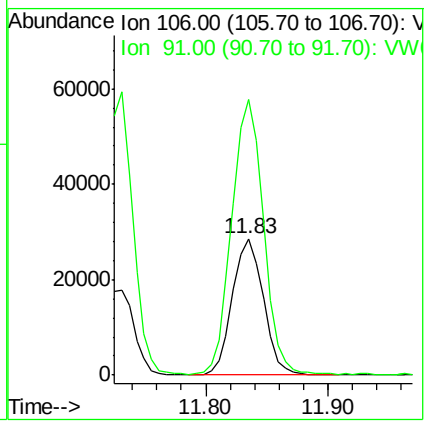
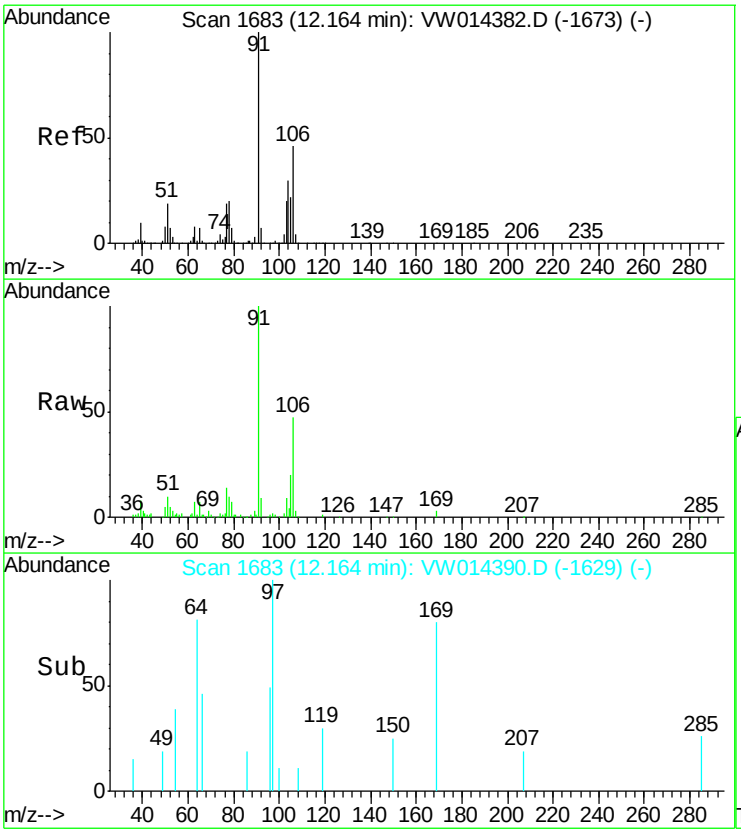
12/18/2019 3:30:49 PM





#55
o-xylene
Concen: 0.793 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014390.D
Acq: 17 Dec 2019 14:10

Tgt Ion:106 Resp: 22466

Ion	Ratio	Lower	Upper
106	100		
91	214.5	148.3	275.5