Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010820\
Data File : VU036408.D
Acq On : 08 Jan 2020 15:30
Operator : JC/MD
Sample : L1042-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFRA5

Manual Integrations APPROVED
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Quant Time: Jan 09 11:51:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 09 03:50:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	484421	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	460801	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	175863	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	147766	39.15	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 78.30%			
7) Chloroethane-d5	1.93	69	138728	43.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.14%			
11) 1,1-Dichloroethene-d2	2.59	63	236166	36.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.46%			
21) 2-Butanone-d5	4.68	46	290629	103.39	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.39%			
24) Chloroform-d	5.11	84	338496	51.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.76%			
26) 1,2-Dichloroethane-d4	5.75	65	229380	52.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.02%			
32) Benzene-d6	5.77	84	662018	51.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.20%			
36) 1,2-Dichloropropane-d6	6.73	67	219596	51.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.08%			
41) Toluene-d8	7.93	98	615105	49.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.90%			
43) trans-1,3-Dichloropropene-	8.21	79	110849	47.48	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.96%			
47) 2-Hexanone-d5	8.67	63	220956	99.57	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 99.57%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	322723	49.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.92%			
64) 1,2-Dichlorobenzene-d4	12.22	152	185349	50.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.48%			
Target Compounds						Qvalue
13) Acetone	2.66	43	9664	3.315	ug/L	93
18) Methyl tert-butyl Ether	3.41	73	73127	6.652	ug/L	99
19) 1,1-Dichloroethane	3.92	63	11485m	1.893	ug/L	
20) cis-1,2-Dichloroethene	4.72	96	7132	1.948	ug/L #	86
34) Trichloroethene	6.58	95	16397	4.699	ug/L	96
46) Tetrachloroethene	8.58	164	277118	110.366	ug/L	93

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

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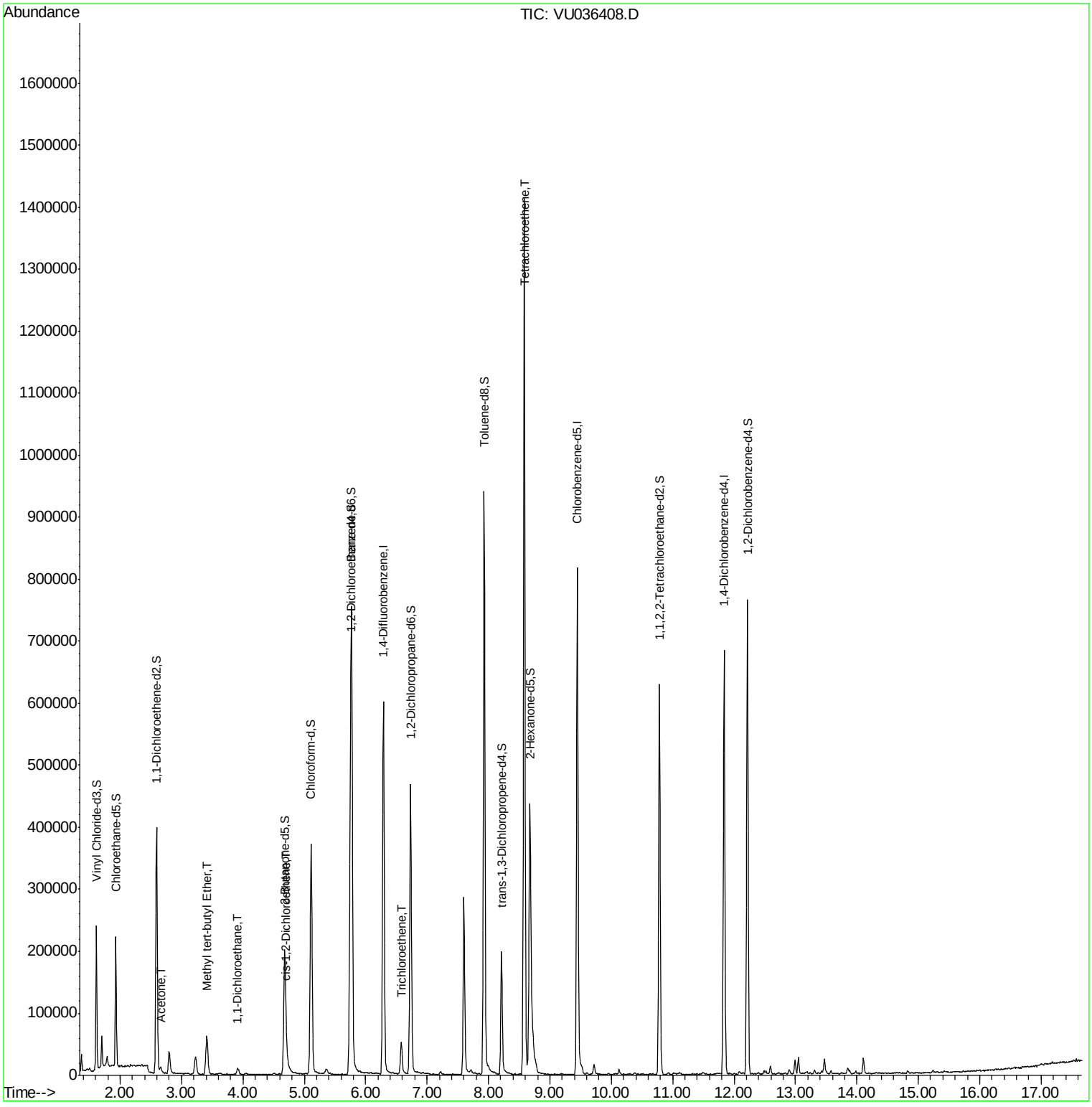

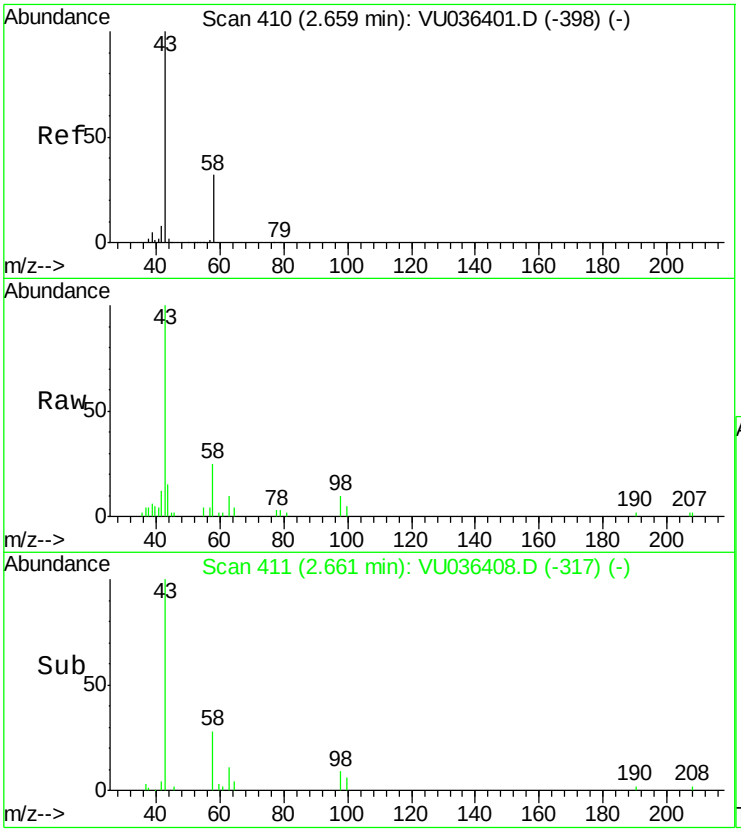

#13
Acetone
Concen: 3.315 ug/L
RT: 2.66 min Scan# 411
Delta R.T. 0.00 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion: 43 Resp: 9664

Ion	Ratio	Lower	Upper
43	100		
58	28.9	0.0	66.2

Instrument :
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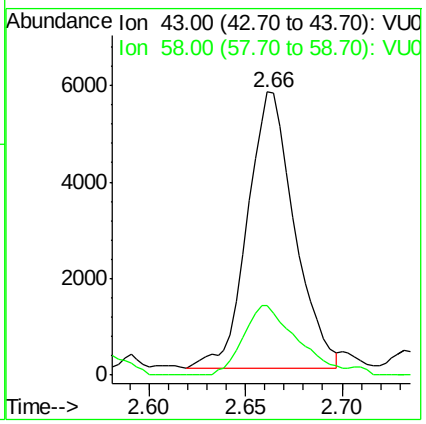
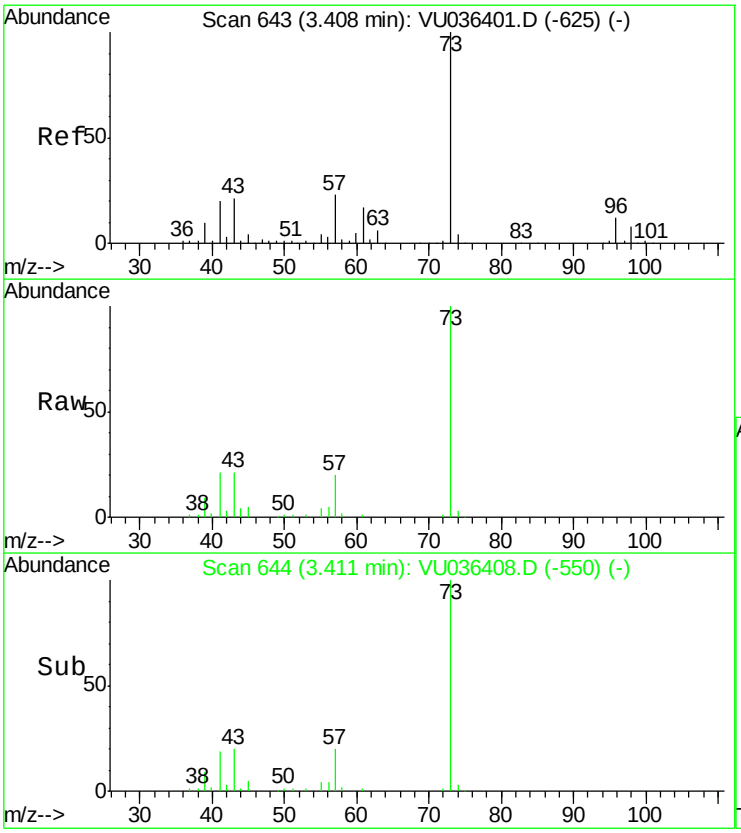
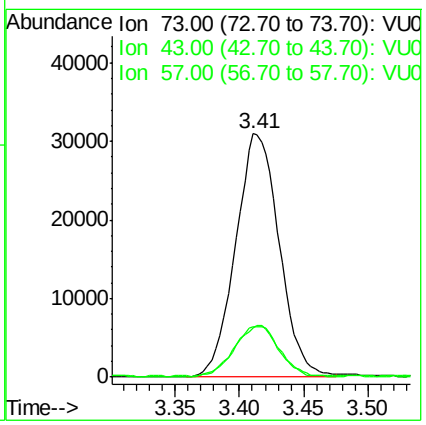


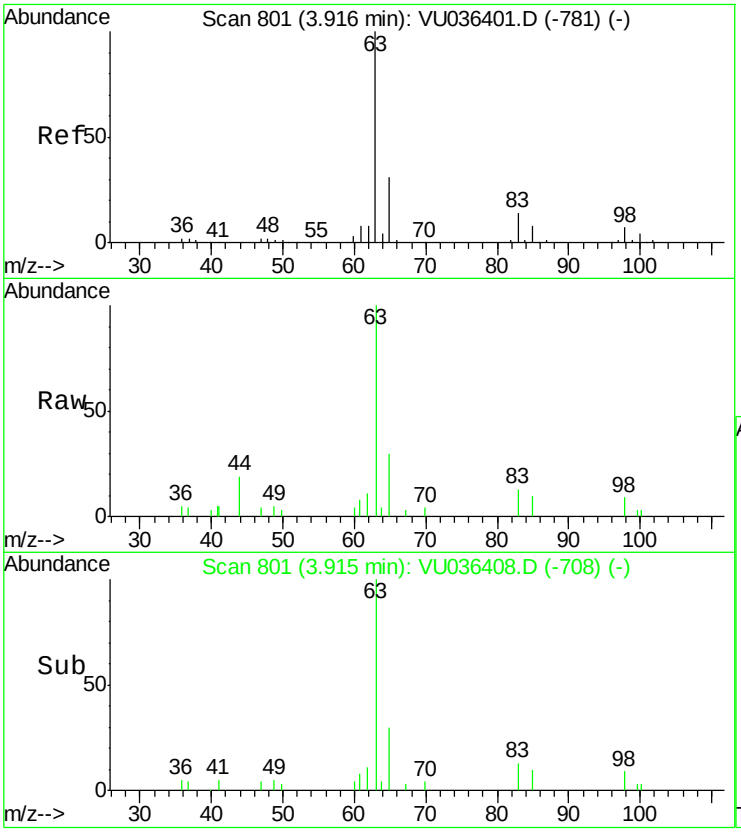


#18
Methyl tert-butyl Ether
Concen: 6.652 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion: 73 Resp: 73127

Ion	Ratio	Lower	Upper
73	100		
43	20.8	16.3	24.5
57	21.9	17.7	26.5

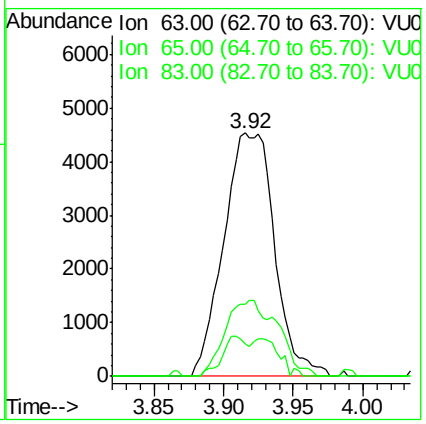




#19
1,1-Dichloroethane
Concen: 1.893 ug/L m
RT: 3.92 min Scan# 801
Delta R.T. -0.00 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion: 63 Resp: 11485

Ion	Ratio	Lower	Upper
63	100		
65	29.6	20.0	37.2
83	13.1	9.6	17.8



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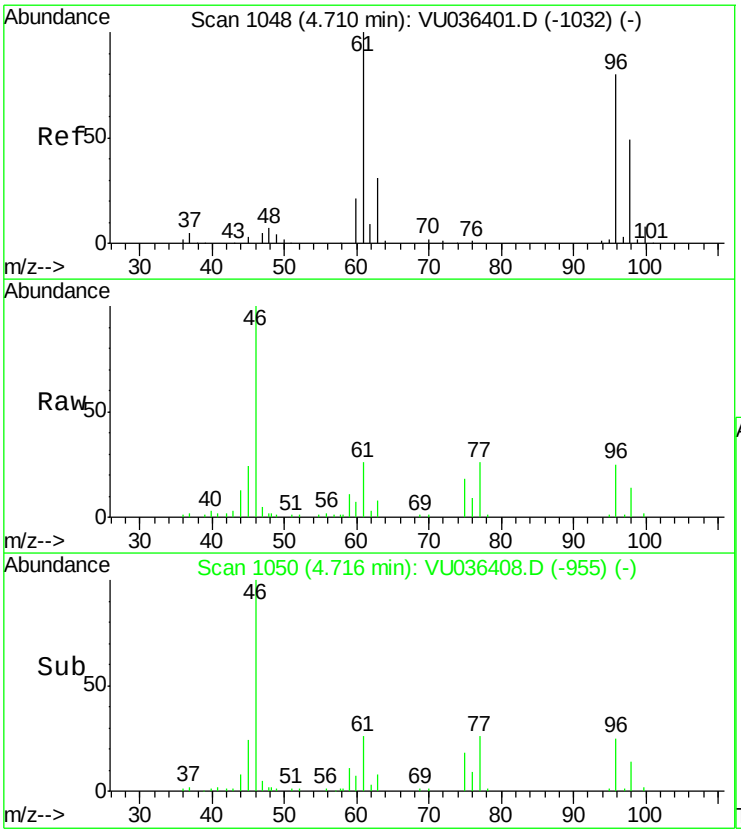
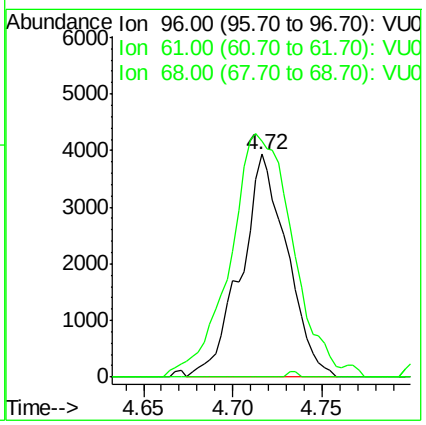
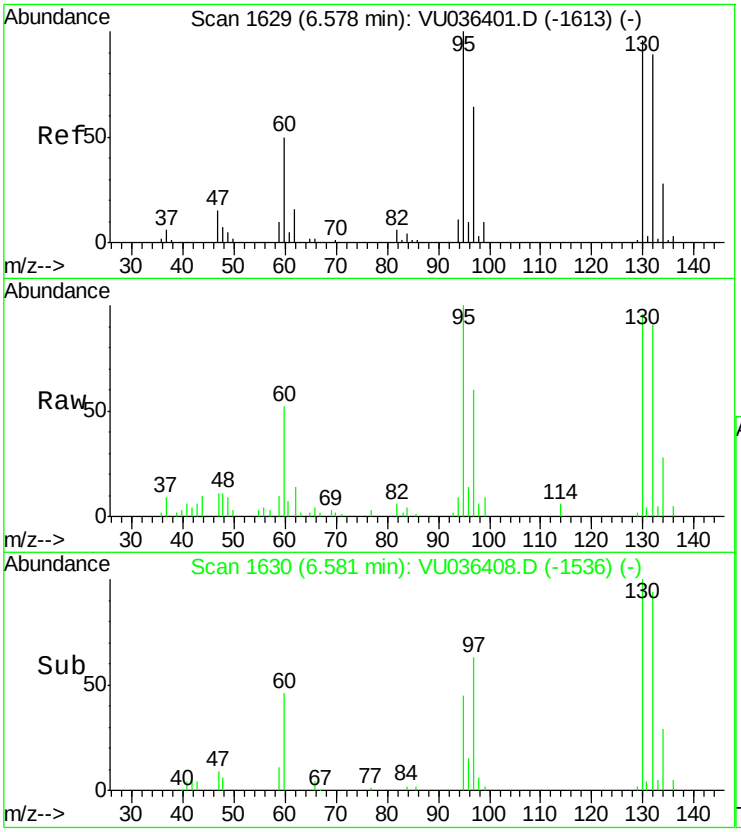


#20
cis-1,2-Dichloroethene
Concen: 1.948 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion: 96 Resp: 7132

Ion	Ratio	Lower	Upper
96	100		
61	105.8	85.1	158.1
68	0.0	0.1	0.3#

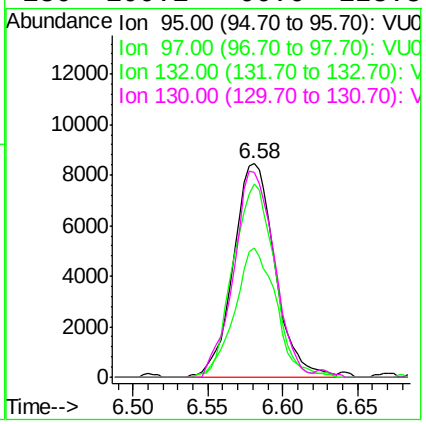




#34
Trichloroethene
Concen: 4.699 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion: 95 Resp: 16397

Ion	Ratio	Lower	Upper
95	100		
97	60.4	44.5	82.7
132	90.6	64.5	119.9
130	100.1	66.6	123.8



Instrument :
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ClientSampleId :
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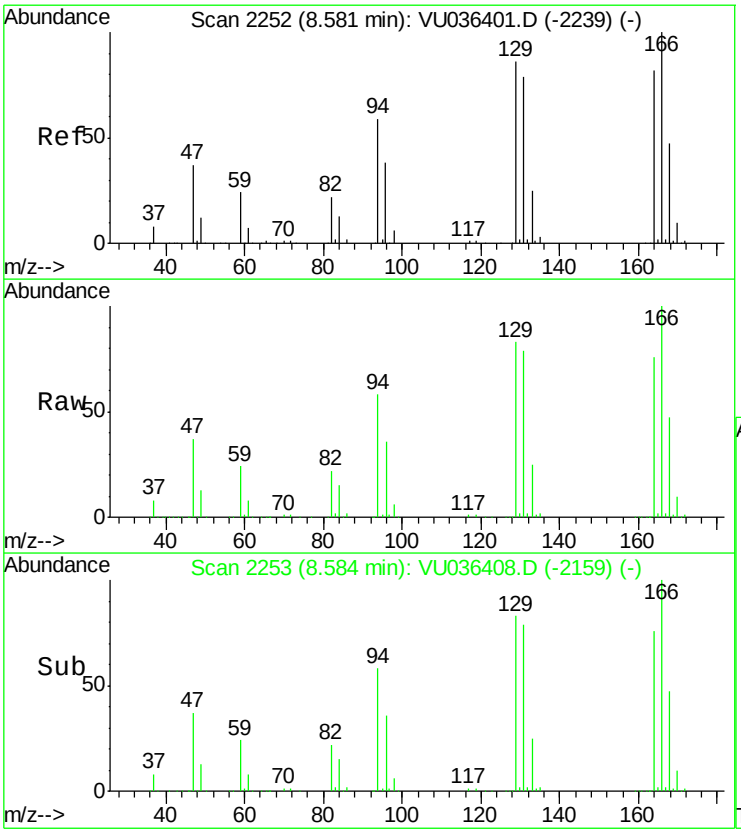

#46
Tetrachloroethene
Concen: 110.366 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion:164 Resp: 277118

Ion	Ratio	Lower	Upper
164	100		
129	109.6	70.0	130.0
131	103.6	70.1	130.1
166	131.9	87.2	161.9