Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120320\
Data File : VW017533.D
Acq On : 03 Dec 2020 15:12
Operator : SY/VA
Sample : L4920-14
Misc : 5.47G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4G0

Manual Integrations APPROVED
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Quant Time: Dec 20 01:28:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Sun Dec 20 00:31:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	599887	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	440223	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142604	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	103237	13.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 52.32%			
7) Chloroethane-d5	2.89	69	90305	13.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 54.24%			
10) 1,1-Dichloroethene-d2	4.03	63	192425	10.95	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 43.80%#			
20) 2-Butanone-d5	7.08	46	55392	33.29	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 66.58%			
24) Chloroform-d	7.65	84	256883	15.07	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 60.28%			
26) 1,2-Dichloroethane-d4	8.31	65	134590	16.10	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 64.40%#			
29) Benzene-d6	8.27	84	485583	17.94	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 71.76%			
33) 1,2-Dichloropropane-d6	9.27	67	137318	18.33	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 73.32%			
37) Toluene-d8	10.32	98	395203	16.03	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 64.12%			
38) trans-1,3-Dichloropropene-	10.58	79	54434	16.26	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 65.04%			
39) 2-Hexanone-d5	10.93	63	33377	36.00	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 72.00%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91274	16.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 67.72%			
61) 1,2-Dichlorobenzene-d4	13.85	152	80537	15.25	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 61.00%#			
Target Compounds						Qvalue
5) Vinyl chloride	2.37	62	2731	0.375	ug/L #	1
12) 1,1-Dichloroethene	4.04	96	29256m	3.517	ug/L	
13) Acetone	4.14	43	11935m	7.453	ug/L	
16) Methylene chloride	4.92	84	23182	2.574	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	17280	1.931	ug/L #	86
22) cis-1,2-Dichloroethene	7.17	96	249434	27.959	ug/L	97
34) Benzene	8.32	78	265749	10.044	ug/L	100
35) Trichloroethene	9.09	95	8530561	1162.964	ug/L	97
44) Toluene	10.39	91	26283	0.923	ug/L	95
47) Tetrachloroethene	10.87	164	23125960m	3700.267	ug/L	
55) o-xylene	12.17	106	4117	0.359	ug/L	96

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

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Instrument :
MSVOA_W
ClientSampleId :
BG4G0

Manual Integrations APPROVED
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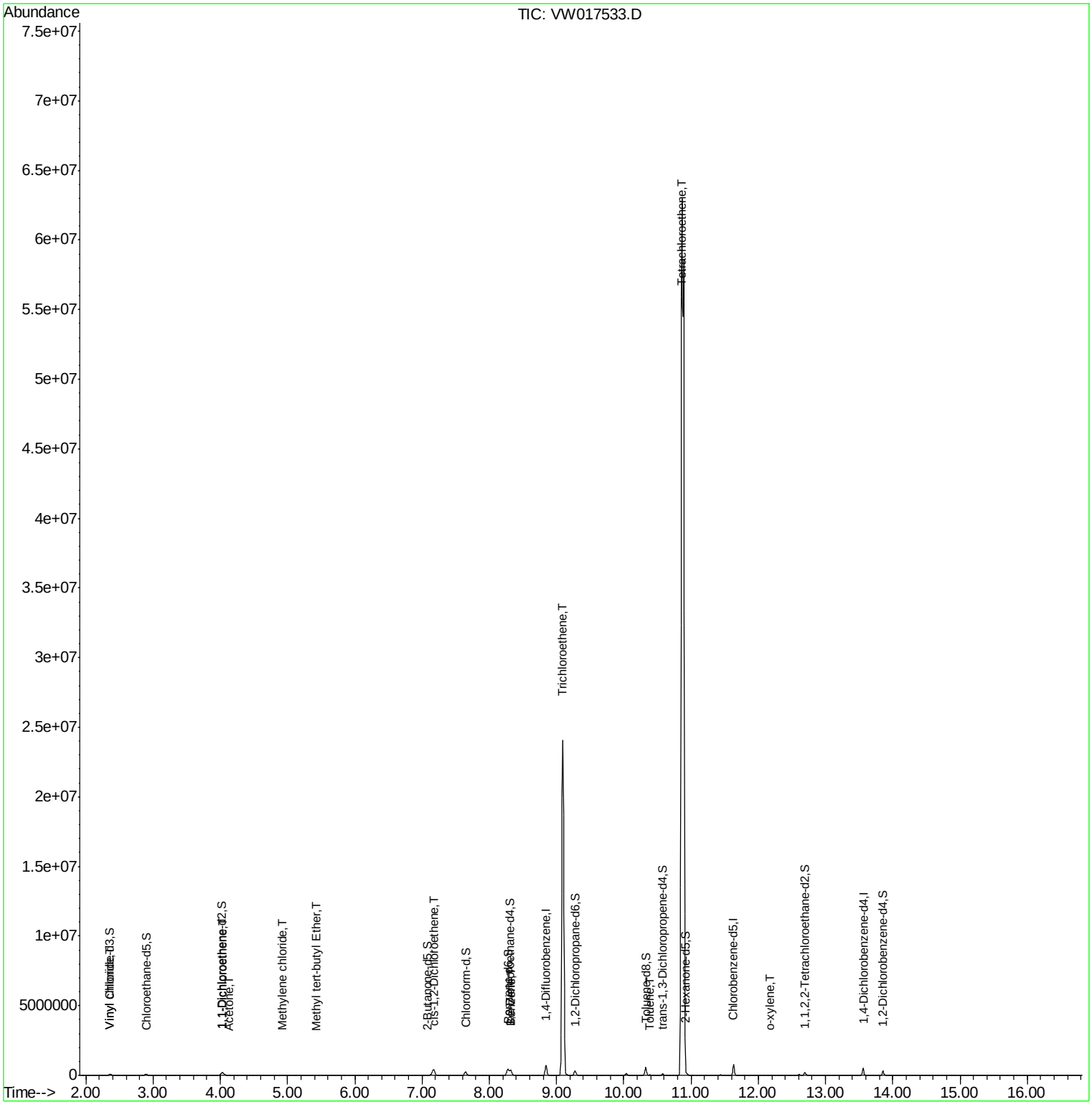

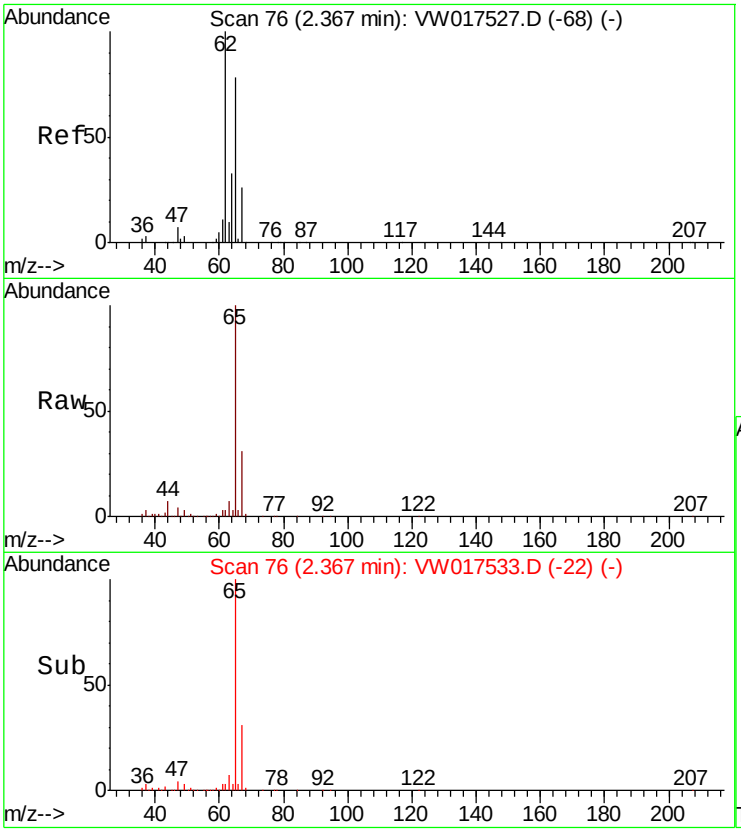

#5
Vinyl chloride
Concen: 0.375 ug/L
RT: 2.37 min Scan# 76
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 62 Resp: 2731

Ion	Ratio	Lower	Upper
62	100		
64	113.3	23.9	44.5#

Instrument :
MSVOA_W
ClientSampleId :
BG4G0

Manual Integrations APPROVED
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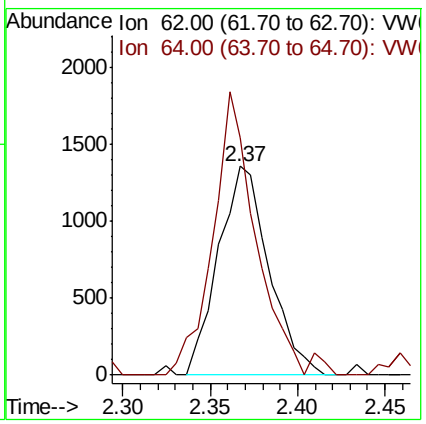
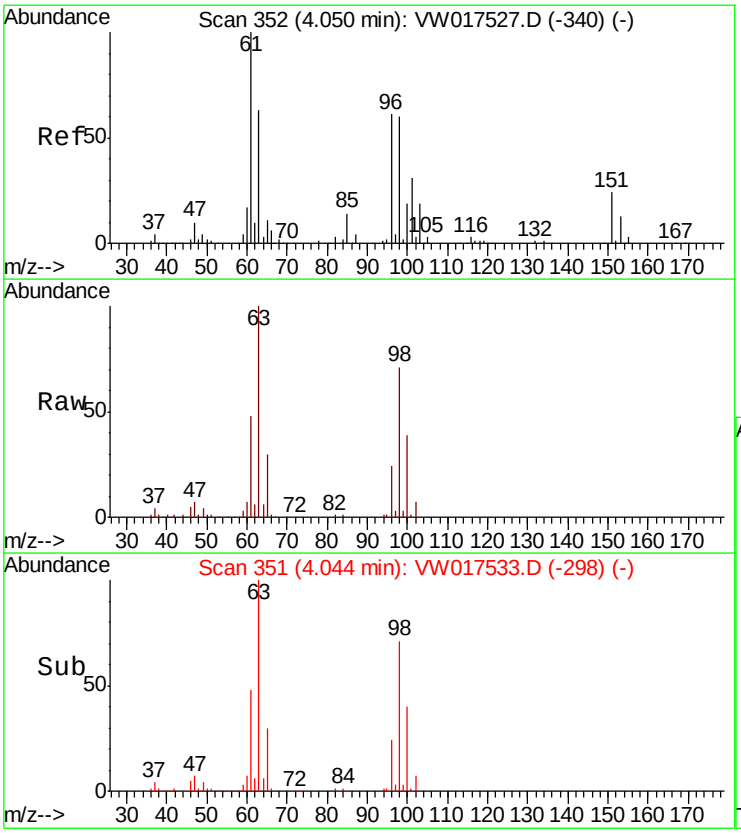
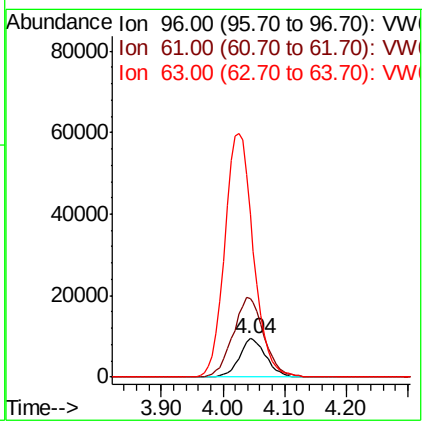


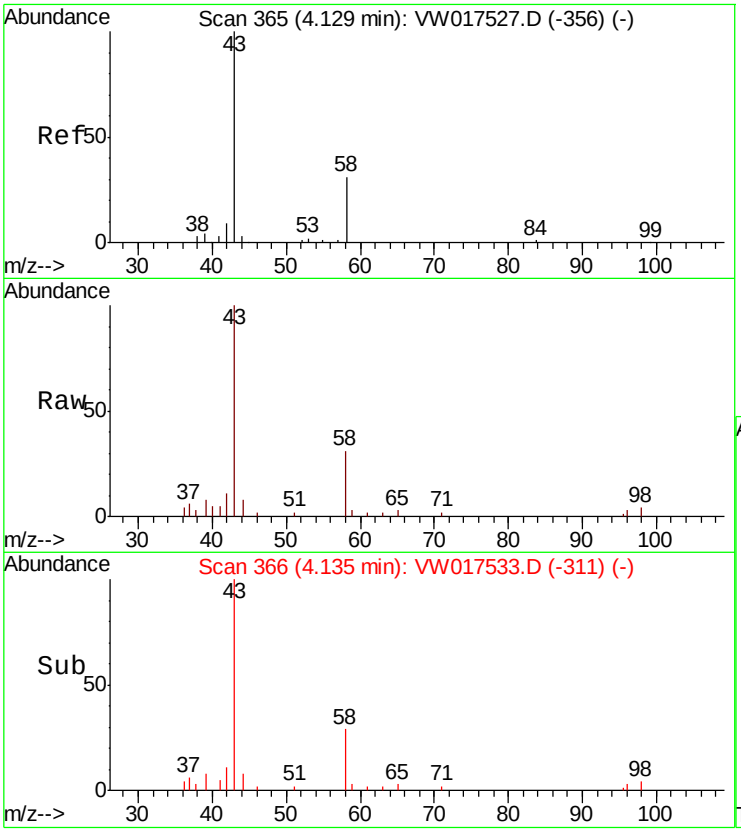


#12
1,1-Dichloroethene
Concen: 3.517 ug/L m
RT: 4.04 min Scan# 351
Delta R.T. -0.01 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 96 Resp: 29256

Ion	Ratio	Lower	Upper
96	100		
61	204.8	112.5	208.9
63	424.5	83.1	154.3#

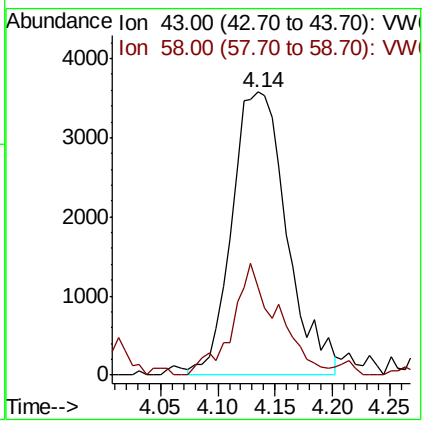




#13
Acetone
Concen: 7.453 ug/L m
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 43 Resp: 11935

Ion	Ratio	Lower	Upper
43	100		
58	0.6	0.0	68.4



Instrument :
MSVOA_W
ClientSampleId :
BG4G0

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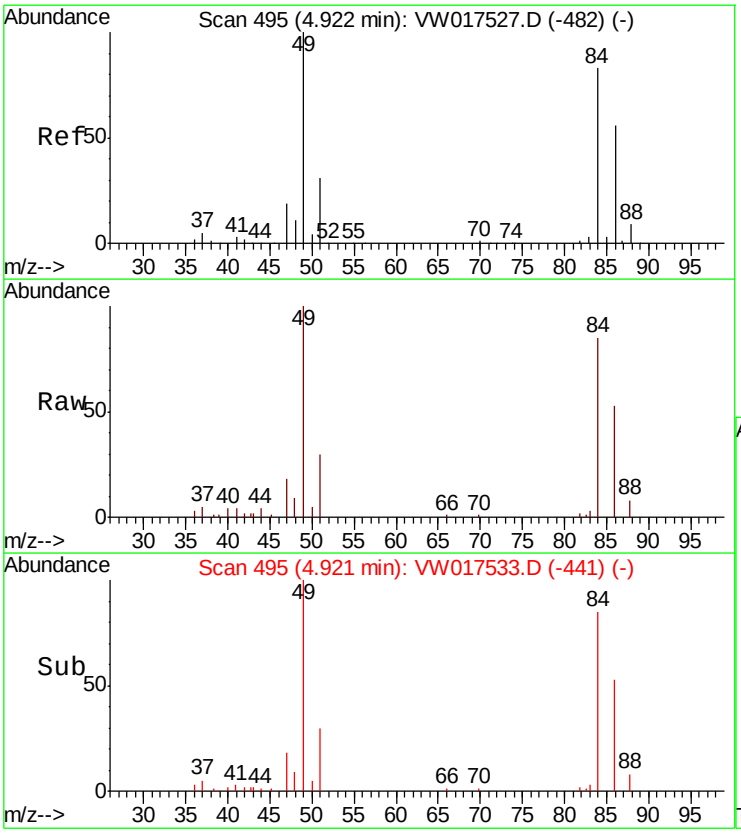
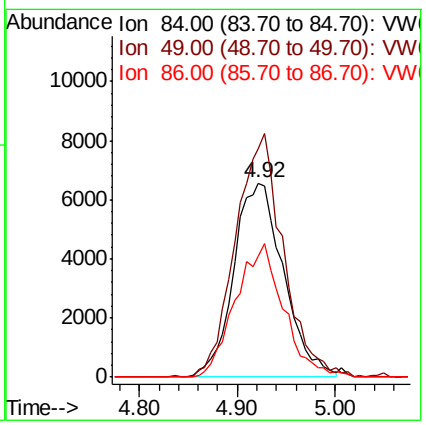
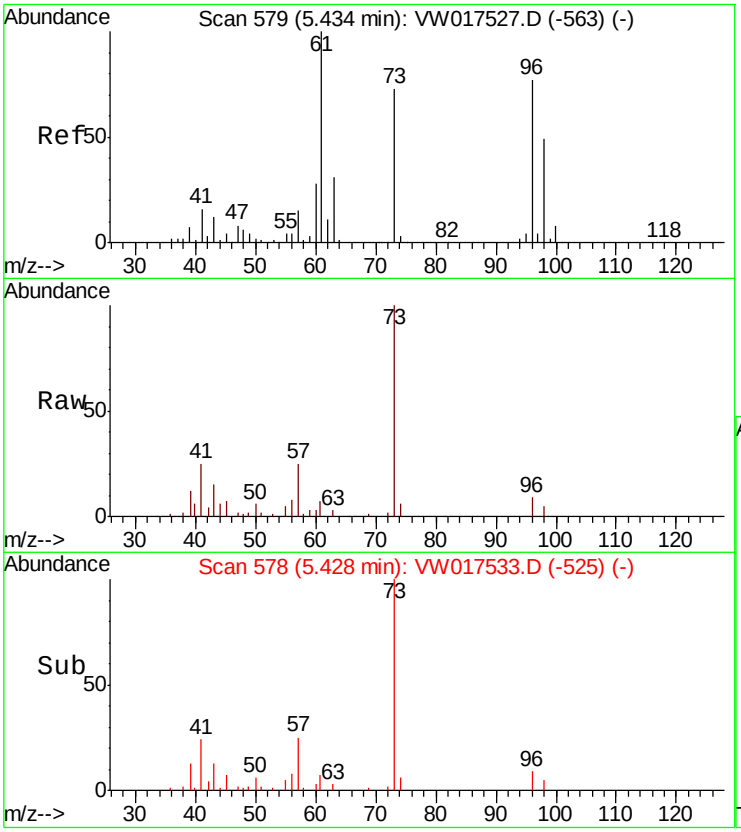


#16
Methylene chloride
Concen: 2.574 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 84 Resp: 23182

Ion	Ratio	Lower	Upper
84	100		
49	117.6	81.2	150.8
86	62.4	44.5	82.7

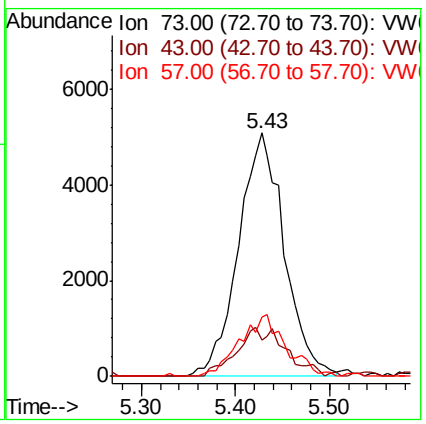




#17
Methyl tert-butyl Ether
Concen: 1.931 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 73 Resp: 17280

Ion	Ratio	Lower	Upper
73	100		
43	8.2	16.2	24.4#
57	23.0	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
BG4G0

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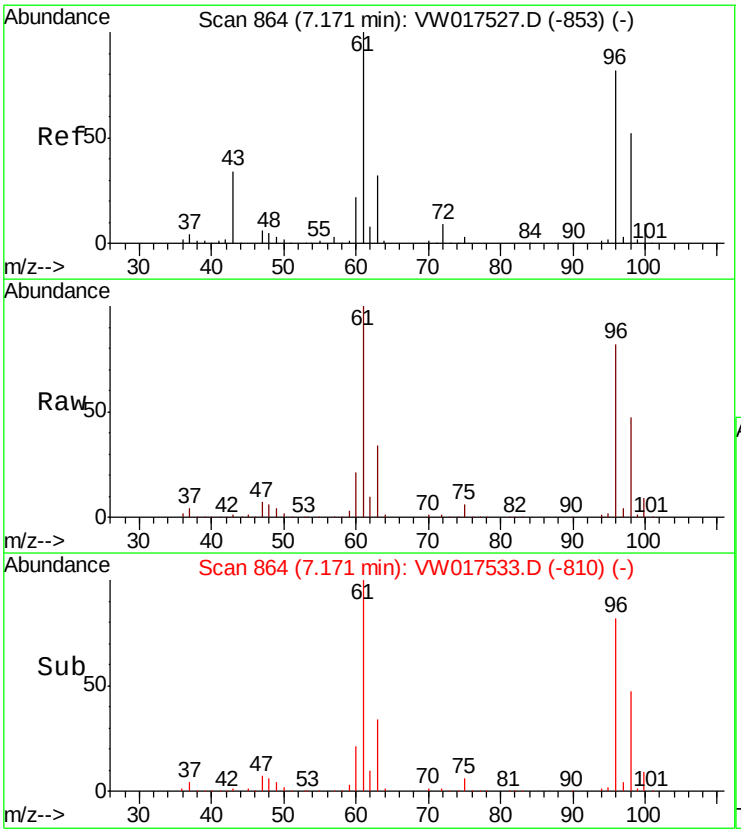
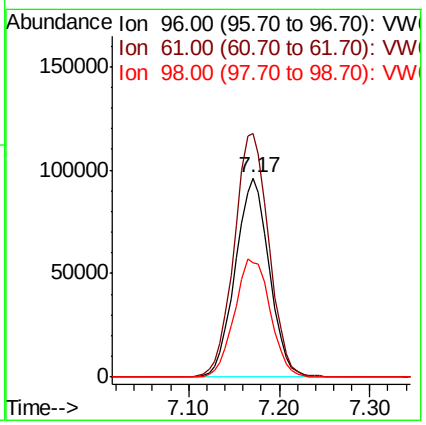
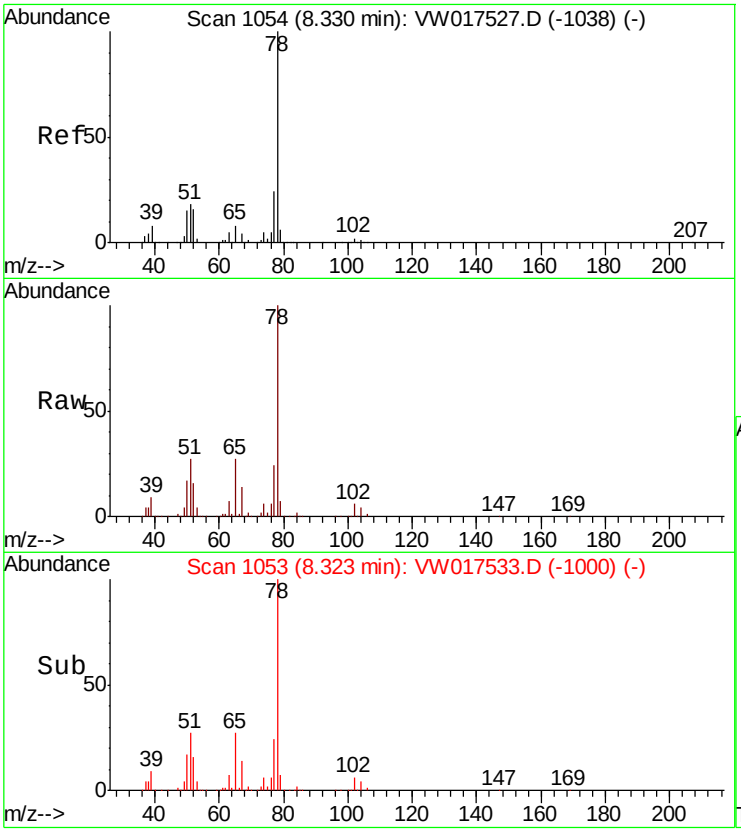


#22
cis-1,2-Dichloroethene
Concen: 27.959 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 96 Resp: 249434

Ion	Ratio	Lower	Upper
96	100		
61	122.1	84.6	157.2
98	57.5	44.7	82.9





#34
Benzene
Concen: 10.044 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 78 Resp: 265749

Instrument :
MSVOA_W
ClientSampleId :
BG4G0

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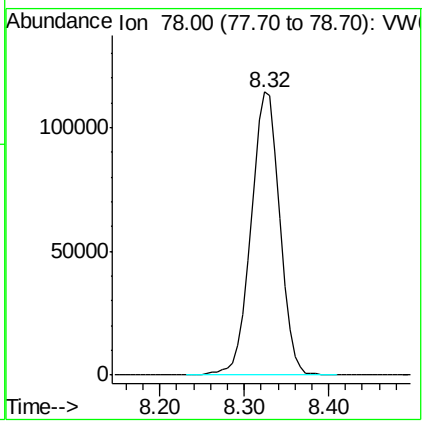
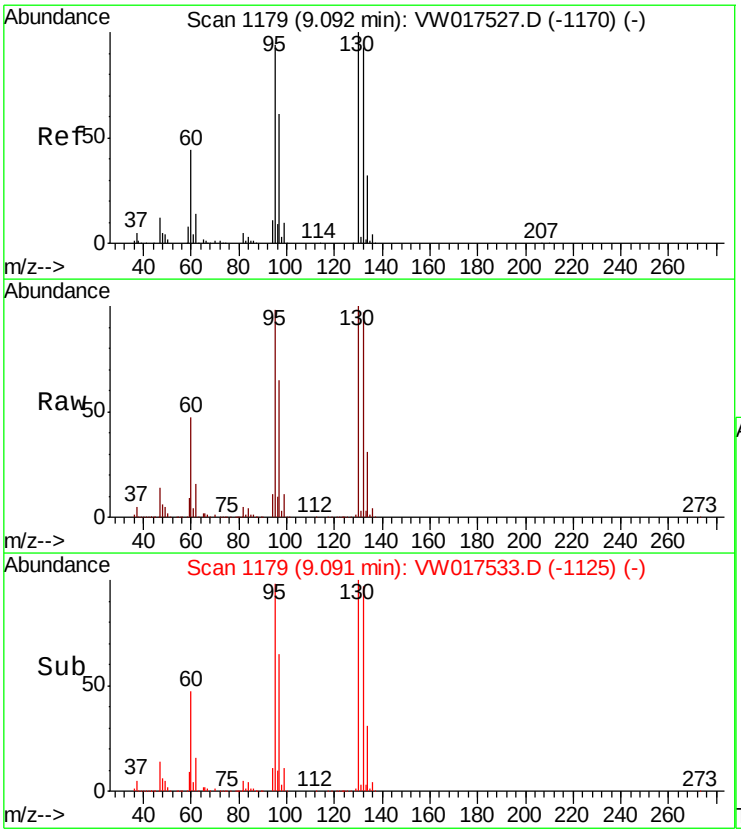
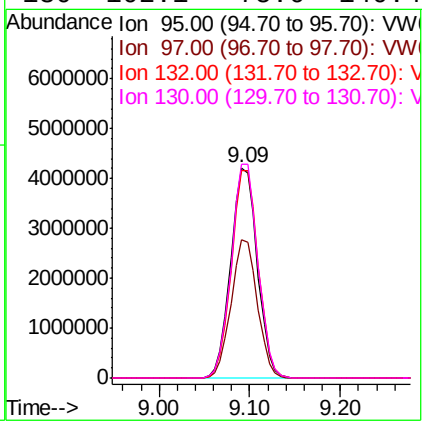


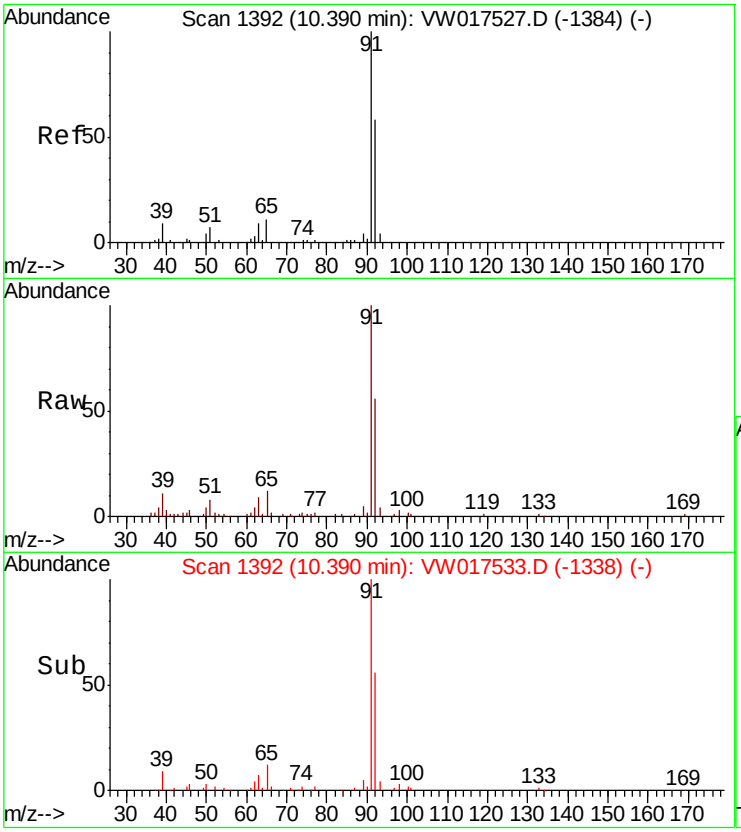


#35
Trichloroethene
Concen: 1162.964 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 95 Resp: 8530561

Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.0	83.6
132	99.7	71.0	131.8
130	102.1	75.6	140.4





#44
Toluene
Concen: 0.923 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion: 91 Resp: 26283

Ion	Ratio	Lower	Upper
91	100		
92	55.7	41.6	77.3

Instrument :
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ClientSampleId :
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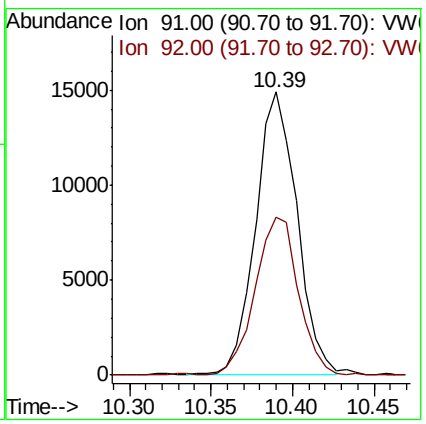
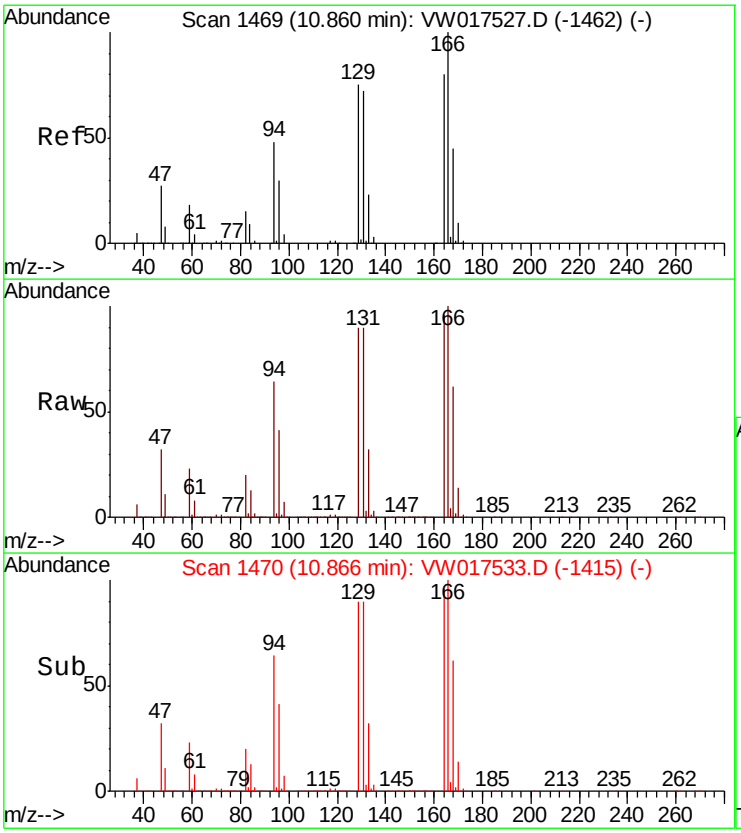
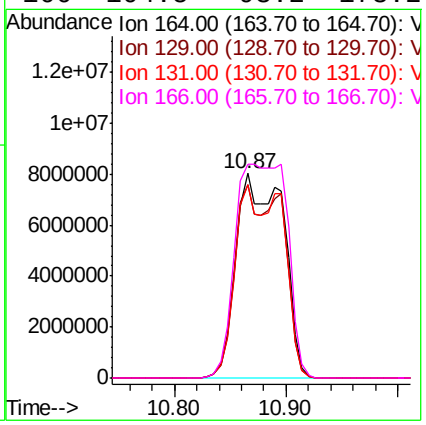


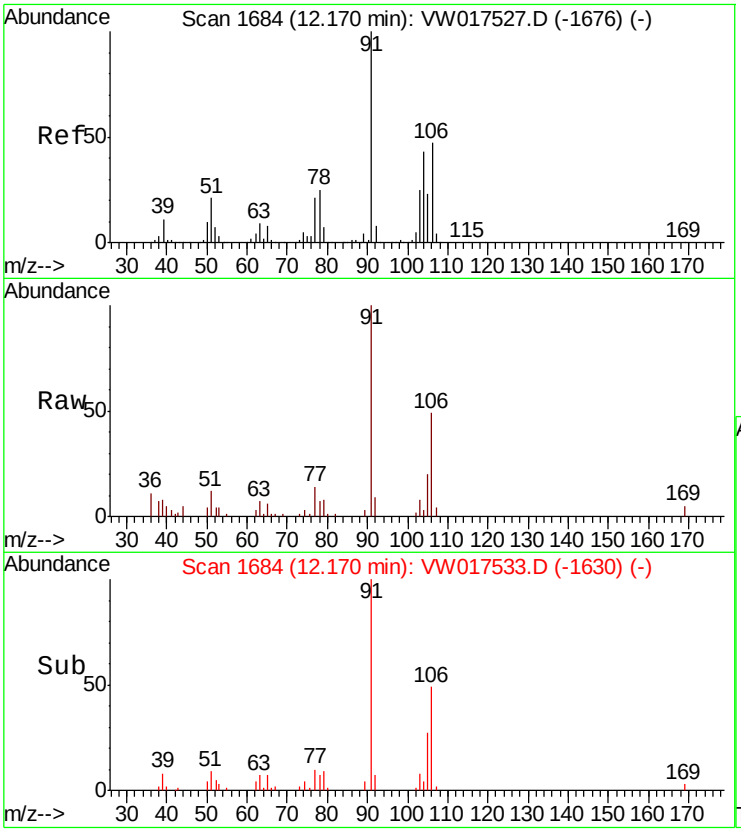


#47
Tetrachloroethene
Concen: 3700.267 ug/L m
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion:164 Resp:23125960

Ion	Ratio	Lower	Upper
164	100		
129	94.3	67.6	125.6
131	94.5	65.2	121.2
166	104.5	93.2	173.2

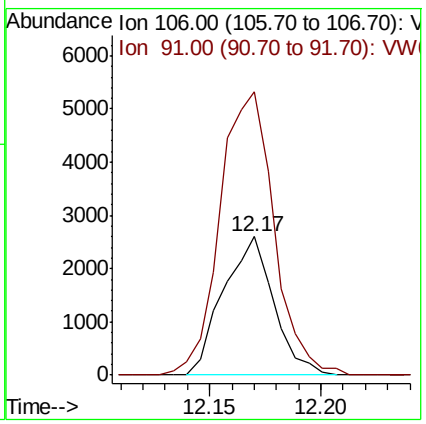




#55
o-xylene
Concen: 0.359 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017533.D
Acq: 03 Dec 2020 15:12

Tgt Ion:106 Resp: 4117

Ion	Ratio	Lower	Upper
106	100		
91	204.1	147.6	274.2



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