Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111020\
Data File : VW017139.D
Acq On : 10 Nov 2020 14:50
Operator : SY/VA
Sample : L4659-11
Misc : 4.78G/10ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4B0

Quant Time: Nov 11 06:14:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 11 05:30:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	425142	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	377128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	151877	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	125543	23.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.76%			
7) Chloroethane-d5	2.89	69	101736	24.65	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.60%			
10) 1,1-Dichloroethene-d2	4.02	63	165154	17.24	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 68.96%			
20) 2-Butanone-d5	7.08	46	44833	37.44	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.88%			
24) Chloroform-d	7.65	84	235131	23.69	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.76%			
26) 1,2-Dichloroethane-d4	8.31	65	118130	23.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.76%			
29) Benzene-d6	8.28	84	477158	24.85	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.40%			
33) 1,2-Dichloropropane-d6	9.27	67	131331	24.72	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.88%			
37) Toluene-d8	10.33	98	440111	24.30	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.20%			
38) trans-1,3-Dichloropropene-	10.58	79	50679	21.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 84.64%			
39) 2-Hexanone-d5	10.93	63	36474	39.35	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.70%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98751	21.34	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 85.36%			
61) 1,2-Dichlorobenzene-d4	13.85	152	131391	24.56	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.24%			
Target Compounds						Qvalue
13) Acetone	4.15	43	6946	8.663	ug/L	99
14) Carbon disulfide	4.39	76	11748	0.818	ug/L	98
16) Methylene chloride	4.92	84	5554	0.969	ug/L	83
17) Methyl tert-butyl Ether	5.43	73	10222	1.586	ug/L #	80
34) Benzene	8.33	78	7122	0.360	ug/L	100
35) Trichloroethene	9.10	95	6489	1.170	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	3999	1.400	ug/L	97
47) Tetrachloroethene	10.87	164	167226	33.412	ug/L	97

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

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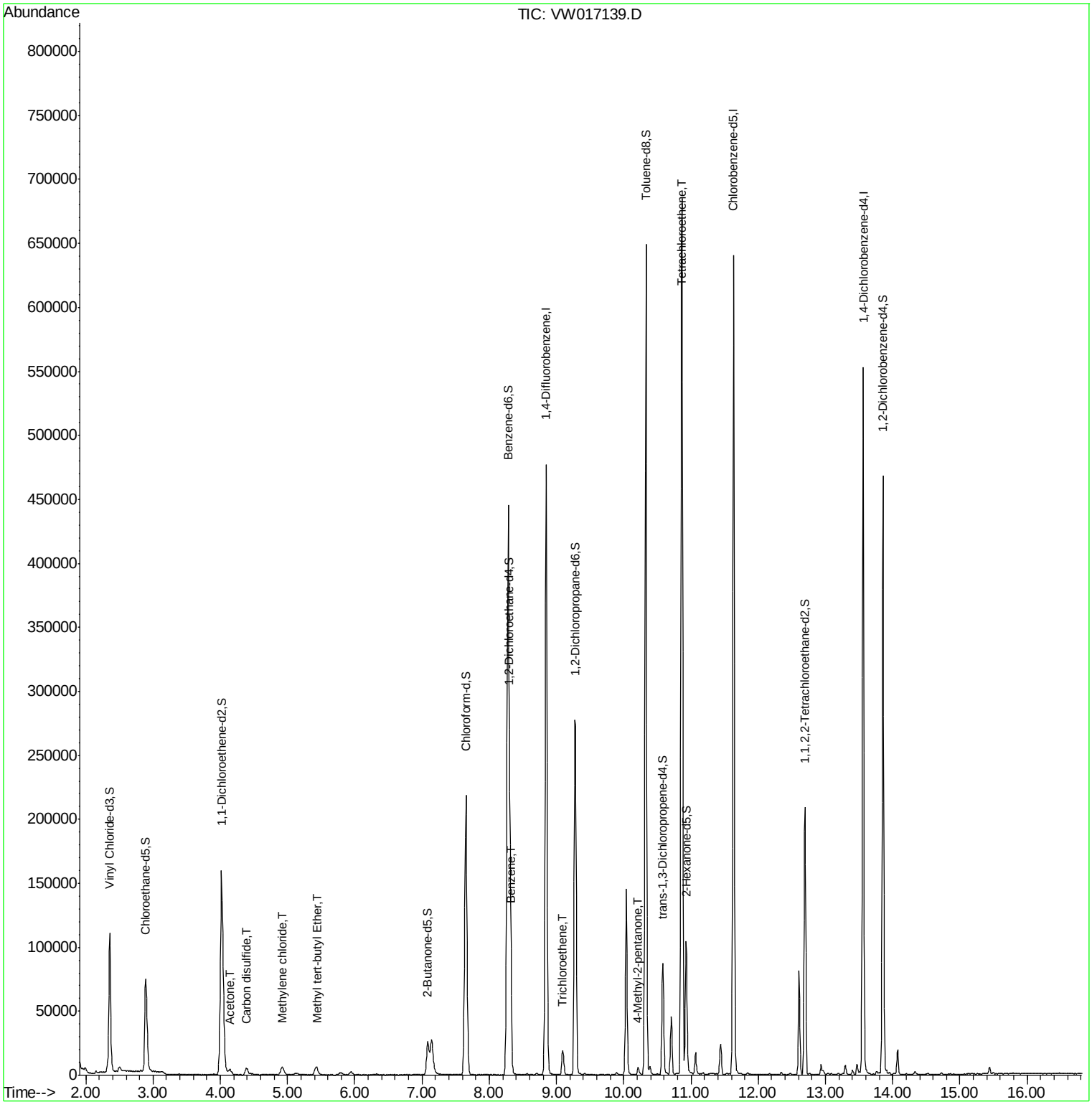
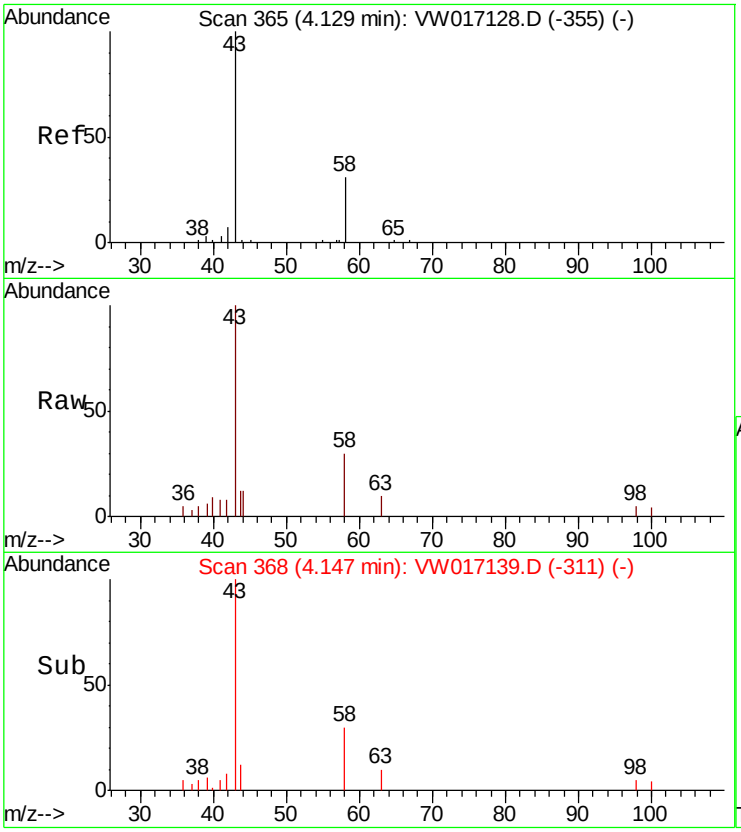


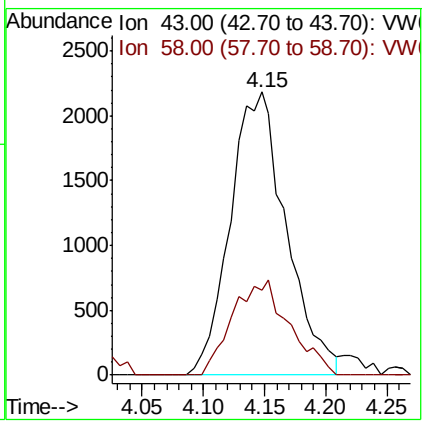


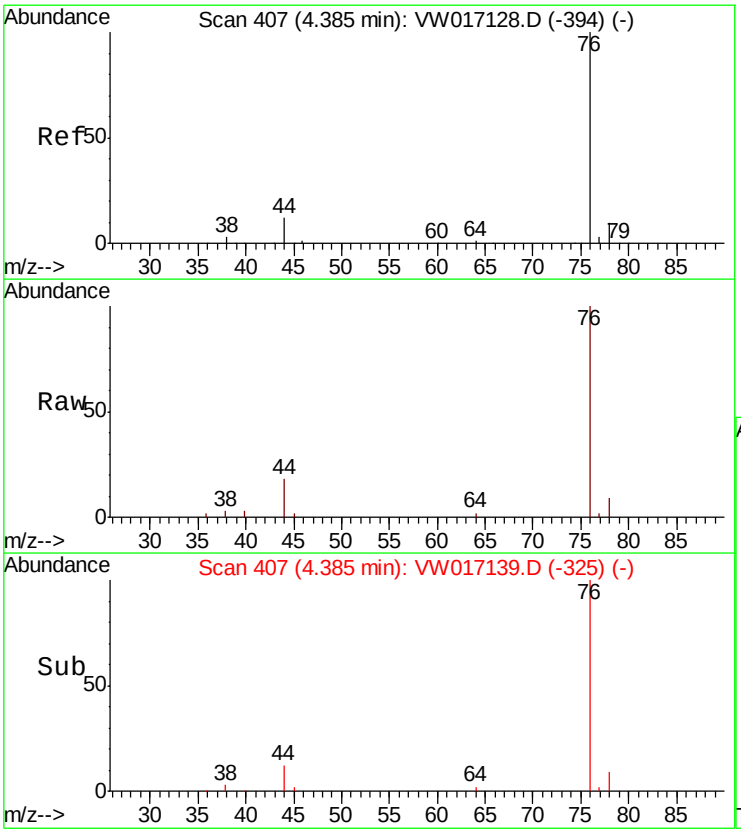
#13
Acetone
Concen: 8.663 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Instrument : MSVOA_W
ClientSampleId : BG4B0

Tgt Ion: 43 Resp: 6946

Ion	Ratio	Lower	Upper
43	100		
58	34.1	0.0	69.2

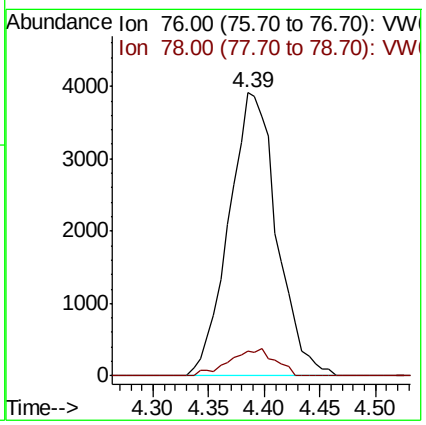


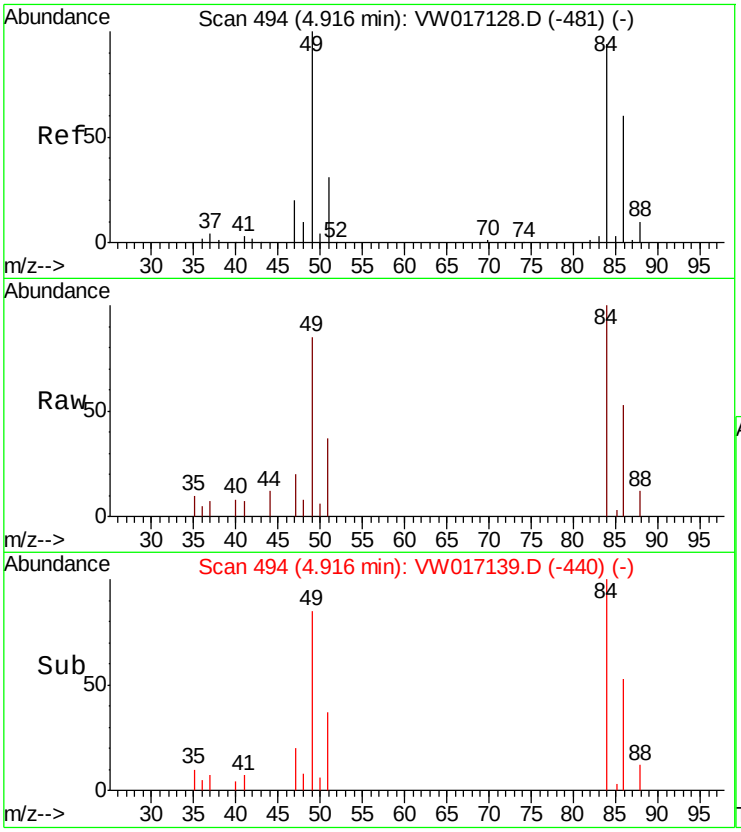


#14
Carbon disulfide
Concen: 0.818 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Tgt Ion: 76 Resp: 11748

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4



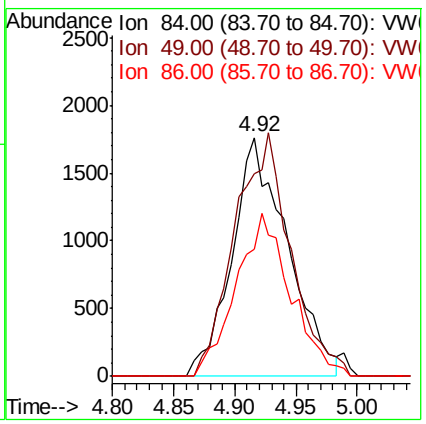


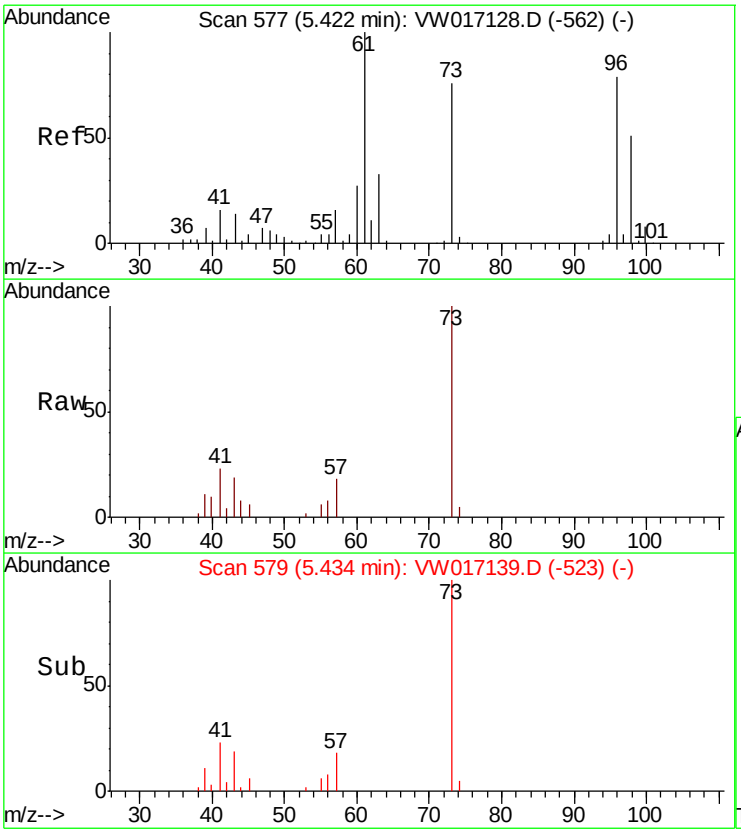
#16
Methylene chloride
Concen: 0.969 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Instrument : MSVOA_W
ClientSampleId : BG4B0

Tgt Ion: 84 Resp: 5554

Ion	Ratio	Lower	Upper
84	100		
49	84.8	72.3	134.3
86	53.1	45.1	83.7

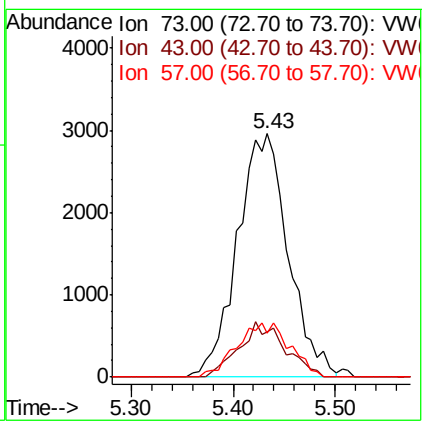


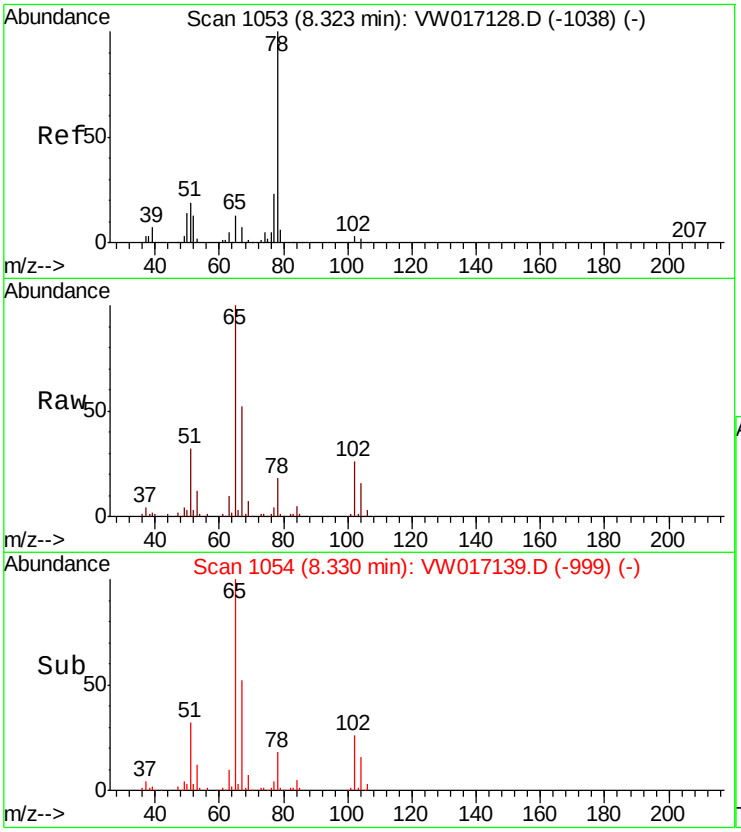


#17
Methyl tert-butyl Ether
Concen: 1.586 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Tgt Ion: 73 Resp: 10222

Ion	Ratio	Lower	Upper
73	100		
43	9.7	14.5	21.7#
57	10.9	16.3	24.5#

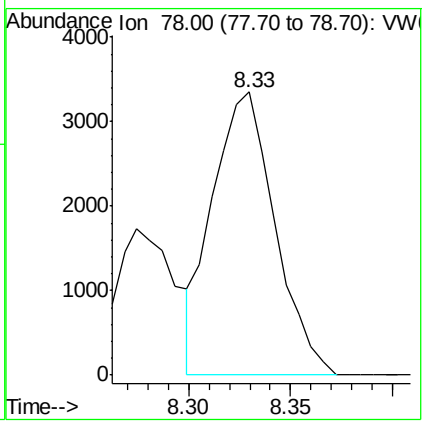


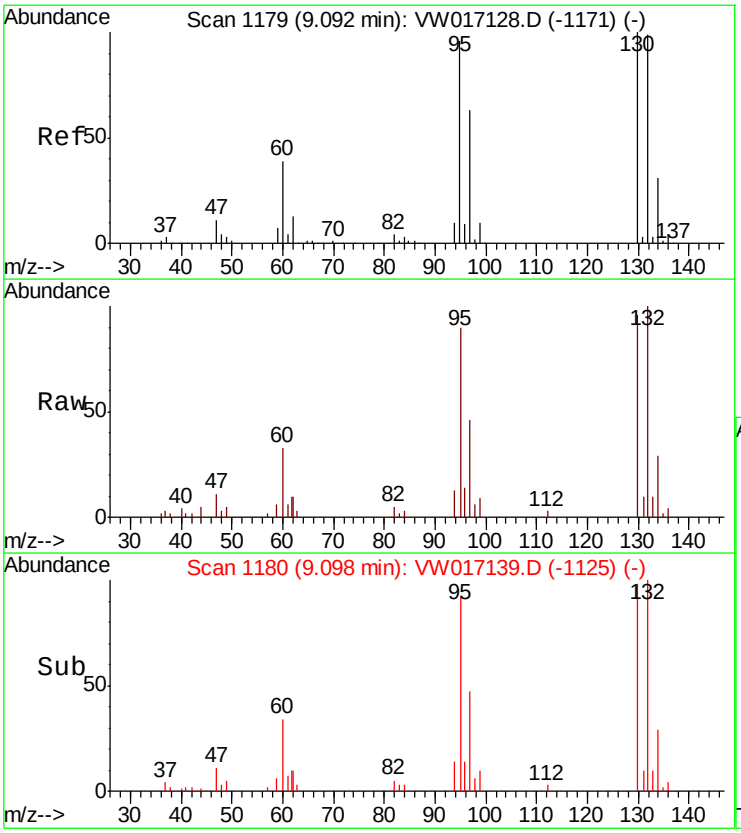


#34
Benzene
Concen: 0.360 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Instrument :
MSVOA_W
ClientSampleId :
BG4B0

Tgt Ion: 78 Resp: 7122

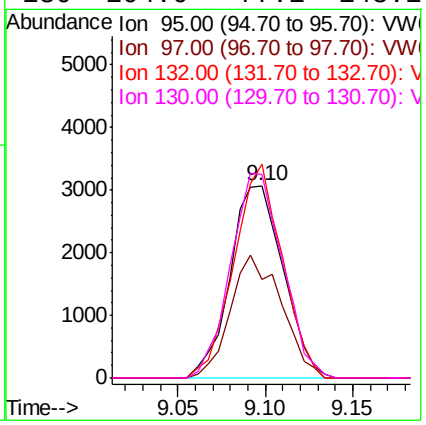


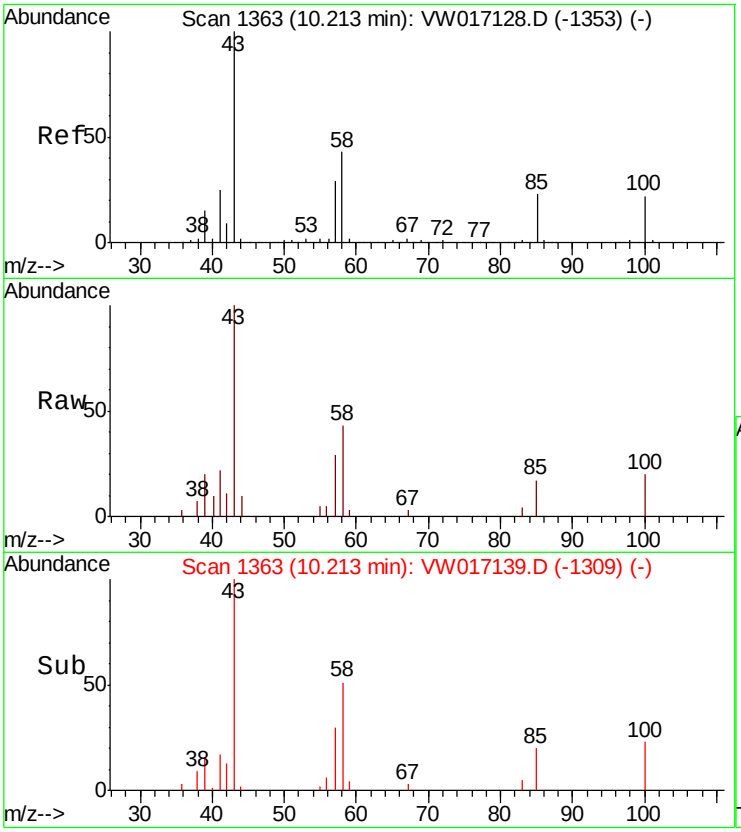


#35
Trichloroethene
Concen: 1.170 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Tgt Ion: 95 Resp: 6489

Ion	Ratio	Lower	Upper
95	100		
97	61.8	45.0	83.6
132	101.2	73.7	136.9
130	104.0	77.1	143.1



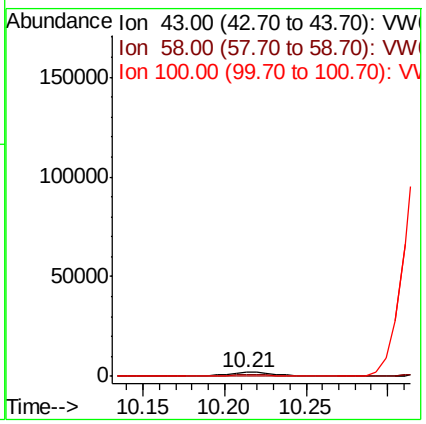


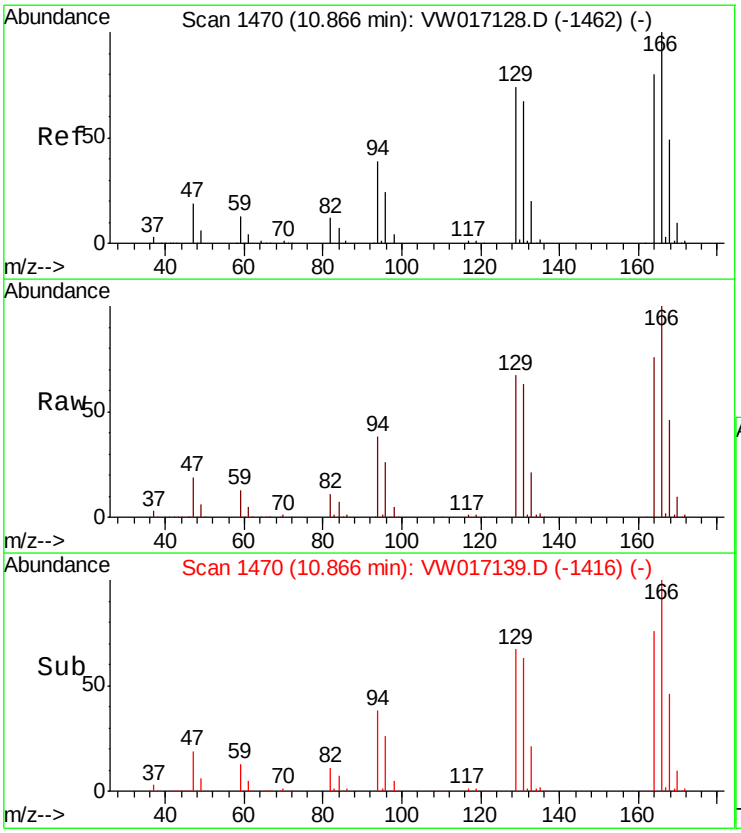
#43
4-Methyl-2-pentanone
Concen: 1.400 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Instrument : MSVOA_W
ClientSampleId : BG4B0

Tgt Ion: 43 Resp: 3999

Ion	Ratio	Lower	Upper
43	100		
58	44.3	35.0	52.6
100	17.8	16.6	24.8





#47
Tetrachloroethene
Concen: 33.412 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Tgt Ion:164 Resp: 167226

Ion	Ratio	Lower	Upper
164	100		
129	88.1	62.9	116.7
131	82.7	63.3	117.5
166	131.1	92.0	170.8