Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102820\
Data File : VW017009.D
Acq On : 28 Oct 2020 13:22
Operator : SY/VA
Sample : L4502-19
Misc : 5.94G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG442

Manual Integrations APPROVED
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10/30/2020 1:33:27 PM

Quant Time: Oct 29 08:32:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 29 08:01:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	442428	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	117590	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	131767	25.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.24%			
7) Chloroethane-d5	2.89	69	103836	26.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.96%			
10) 1,1-Dichloroethene-d2	4.03	63	192551	19.39	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.56%			
20) 2-Butanone-d5	7.08	46	54257	56.41	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.82%			
24) Chloroform-d	7.65	84	265766	26.04	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.16%			
26) 1,2-Dichloroethane-d4	8.31	65	128325	26.72	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.88%			
29) Benzene-d6	8.27	84	549160	29.92	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 119.68%			
33) 1,2-Dichloropropane-d6	9.28	67	151305	30.54	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 122.16%#			
37) Toluene-d8	10.33	98	497029	28.77	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 115.08%			
38) trans-1,3-Dichloropropene-	10.58	79	60033	28.55	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 114.20%			
39) 2-Hexanone-d5	10.93	63	42512	61.12	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 122.24%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103333	27.38	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 109.52%			
61) 1,2-Dichlorobenzene-d4	13.86	152	113085	27.36	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.44%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.04	96	11348m	1.959	ug/L	
13) Acetone	4.13	43	9341	14.432	ug/L	98
14) Carbon disulfide	4.39	76	25087m	1.429	ug/L	
16) Methylene chloride	4.92	84	9900	1.692	ug/L	91
22) cis-1,2-Dichloroethene	7.17	96	9089	1.484	ug/L	94
34) Benzene	8.33	78	59311	3.005	ug/L	100
35) Trichloroethene	9.09	95	1287617	235.561	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	2594	1.242	ug/L #	94
47) Tetrachloroethene	10.87	164	22280237m	4431.093	ug/L	
54) m,p-Xylene	11.84	106	2694	0.285	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	4538	0.600	ug/L	84
65) 1,2-Dichlorobenzene	13.87	146	5217	0.779	ug/L	89

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 29 08:01:00 2020
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BG442

Manual Integrations APPROVED
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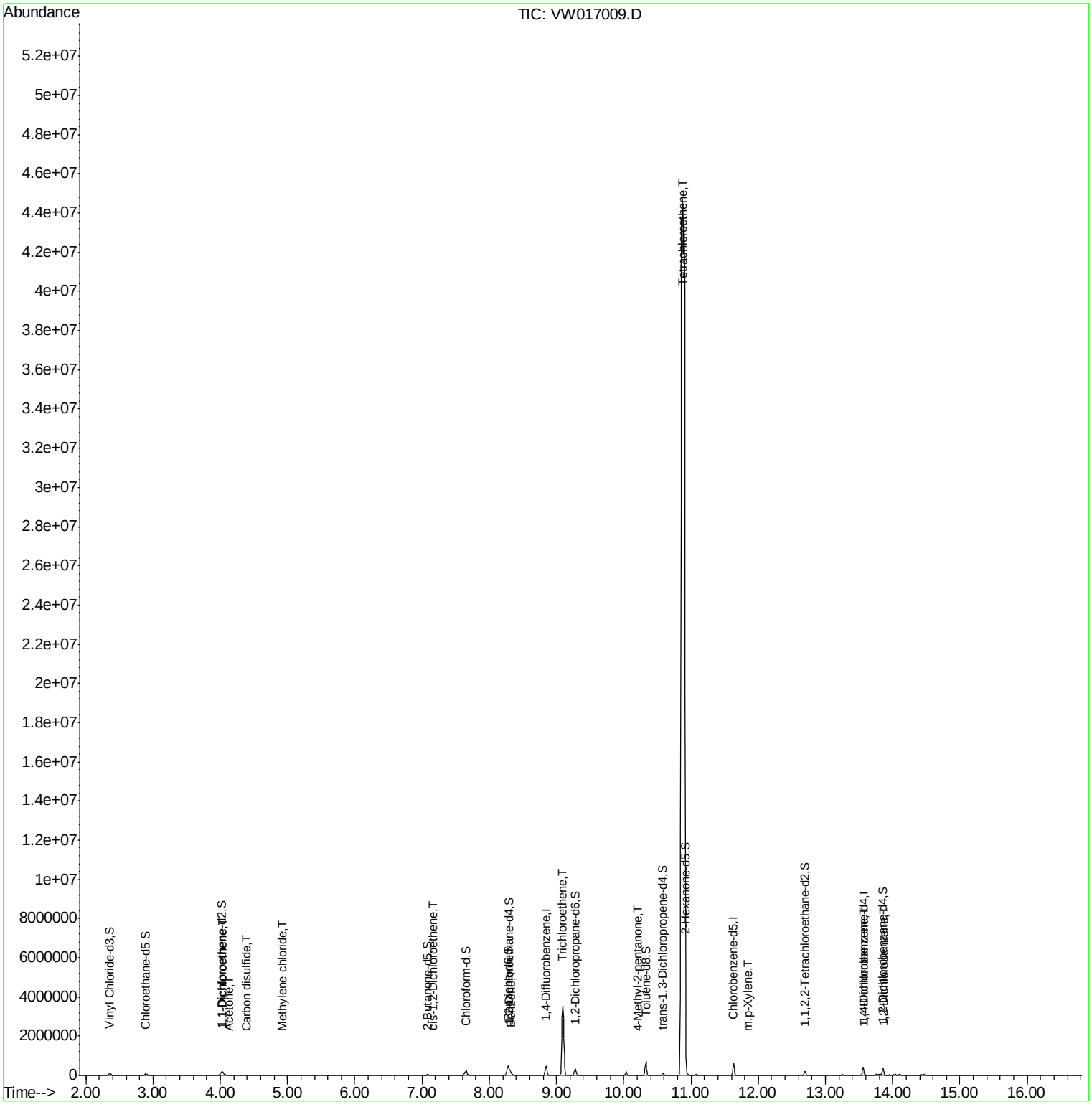

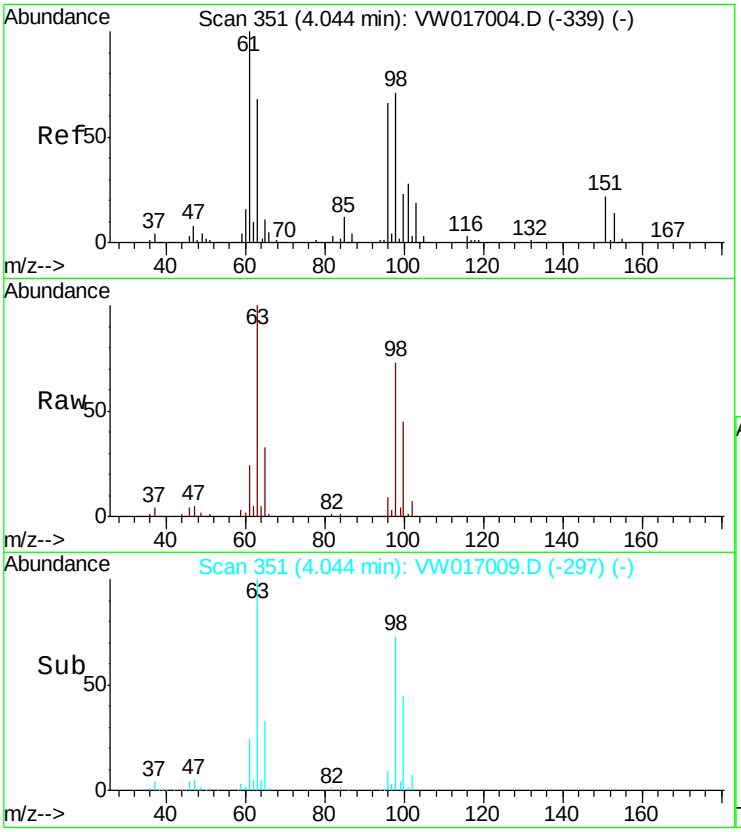

#12
1,1-Dichloroethene
Concen: 1.959 ug/L m
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 96 Resp: 11348

Ion	Ratio	Lower	Upper
96	100		
61	272.7	101.4	188.4#
63	1154.1	78.5	145.9#

Instrument :
MSVOA_W
ClientSampleId :
BG442

Manual Integrations APPROVED
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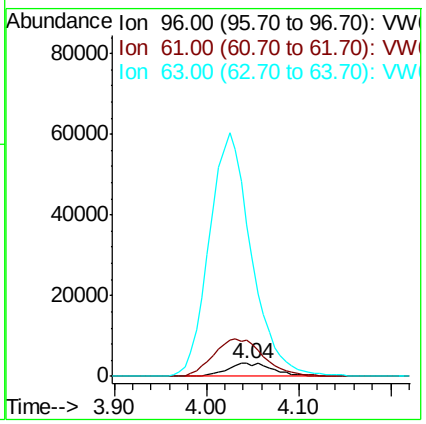
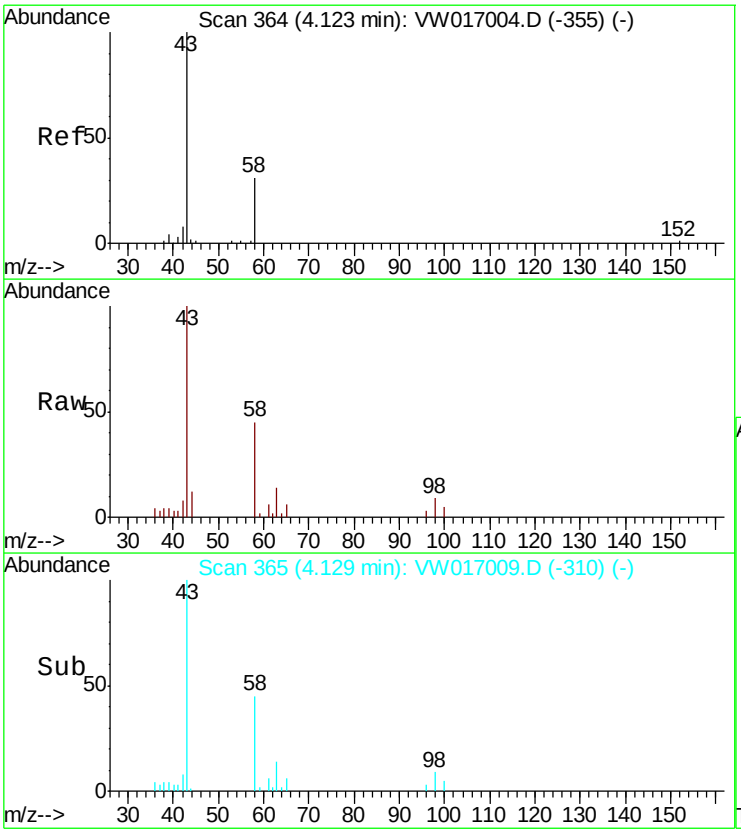
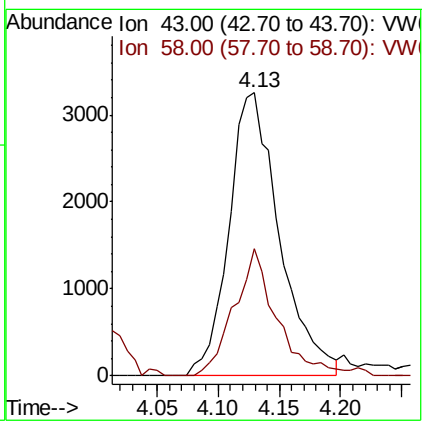


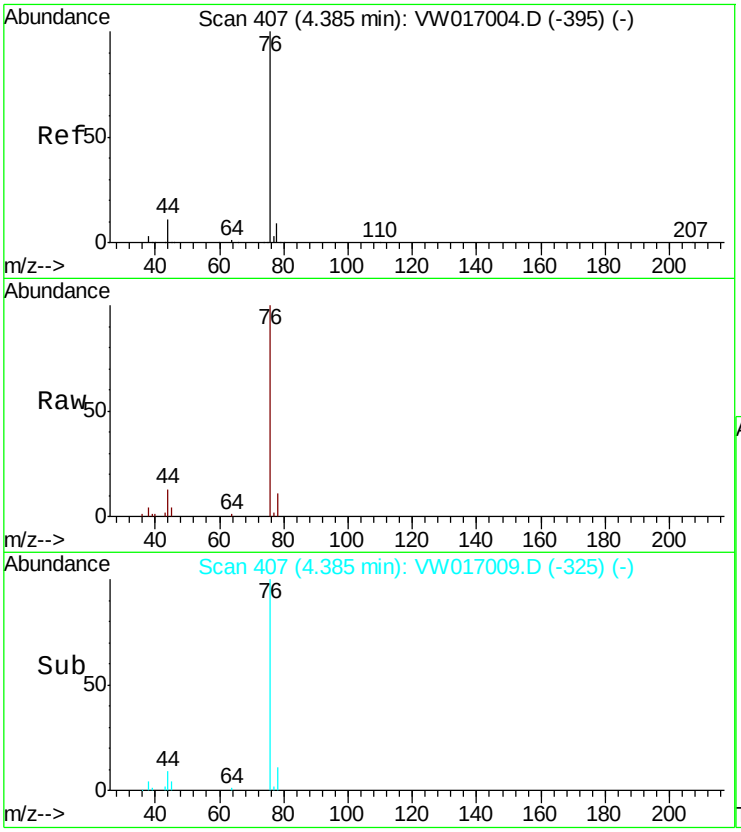


#13
Acetone
Concen: 14.432 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 43 Resp: 9341

Ion	Ratio	Lower	Upper
43	100		
58	36.2	0.0	69.8

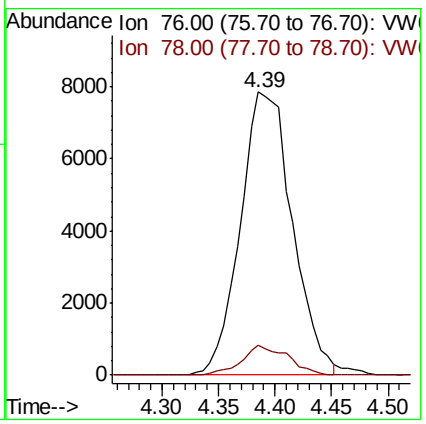




#14
Carbon disulfide
Concen: 1.429 ug/L m
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 76 Resp: 25087

Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.3	10.9



Instrument :
MSVOA_W
ClientSampleId :
BG442

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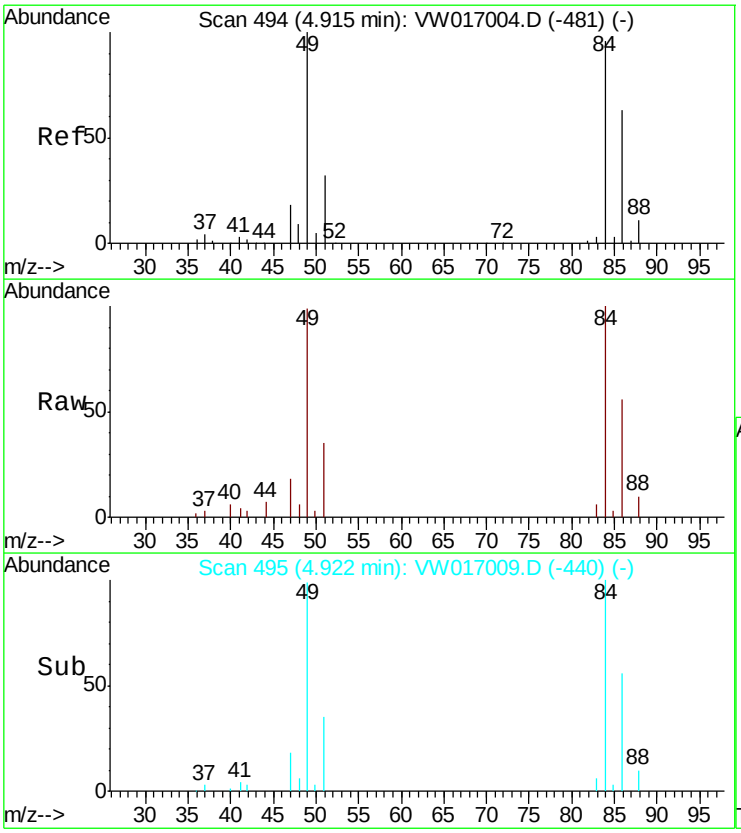
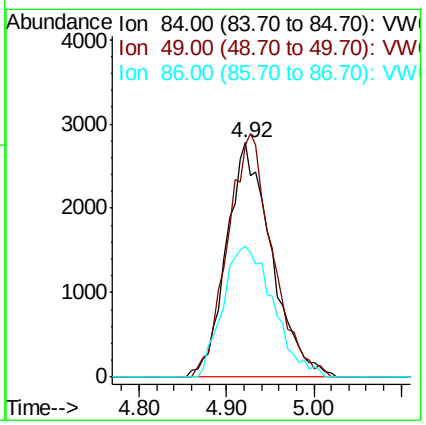
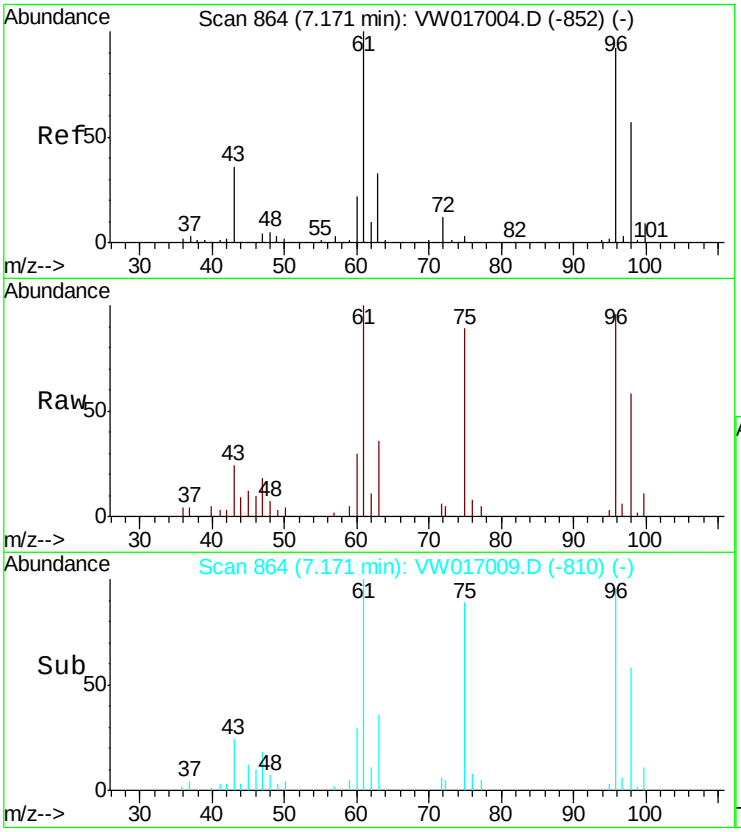


#16
Methylene chloride
Concen: 1.692 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 84 Resp: 9900

Ion	Ratio	Lower	Upper
84	100		
49	99.1	73.8	137.0
86	56.0	47.4	88.0

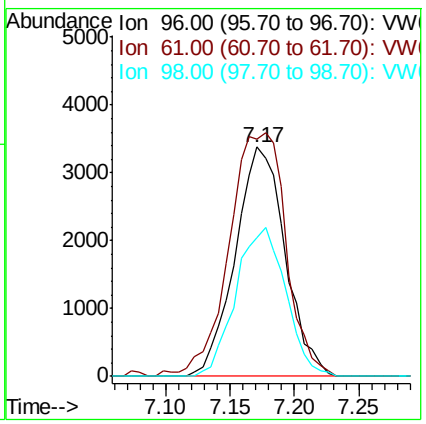




#22
cis-1,2-Dichloroethene
Concen: 1.484 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 96 Resp: 9089

Ion	Ratio	Lower	Upper
96	100		
61	103.7	77.4	143.8
98	60.2	44.4	82.5



Instrument :
MSVOA_W
ClientSampleId :
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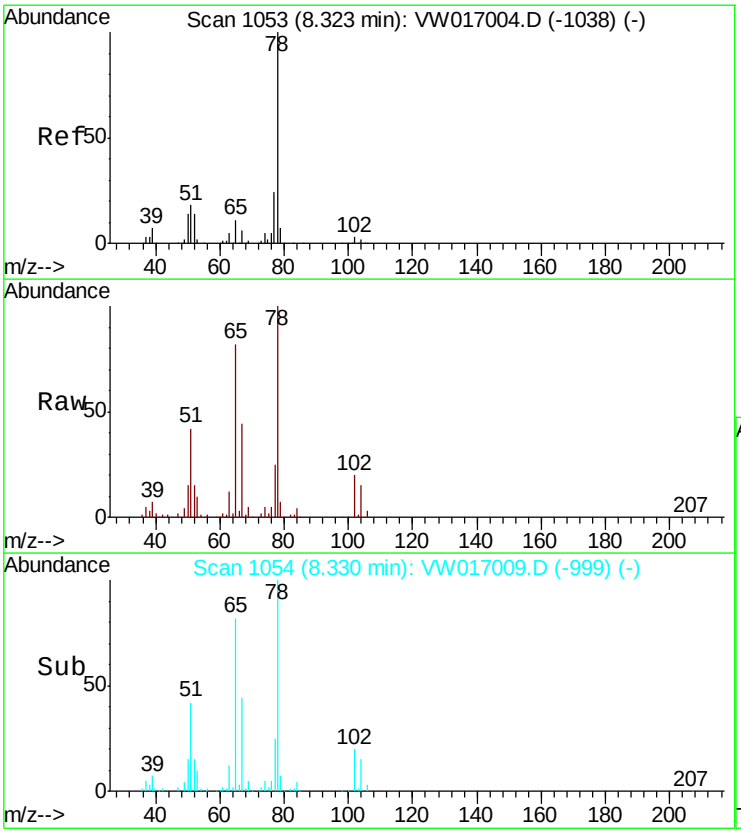
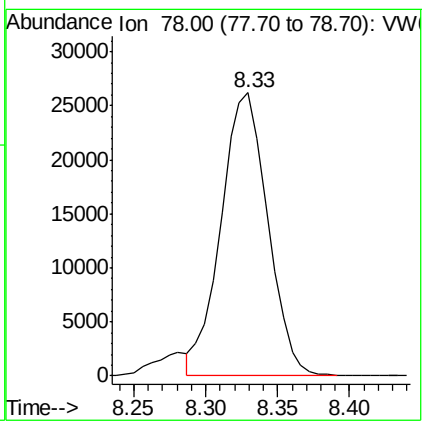
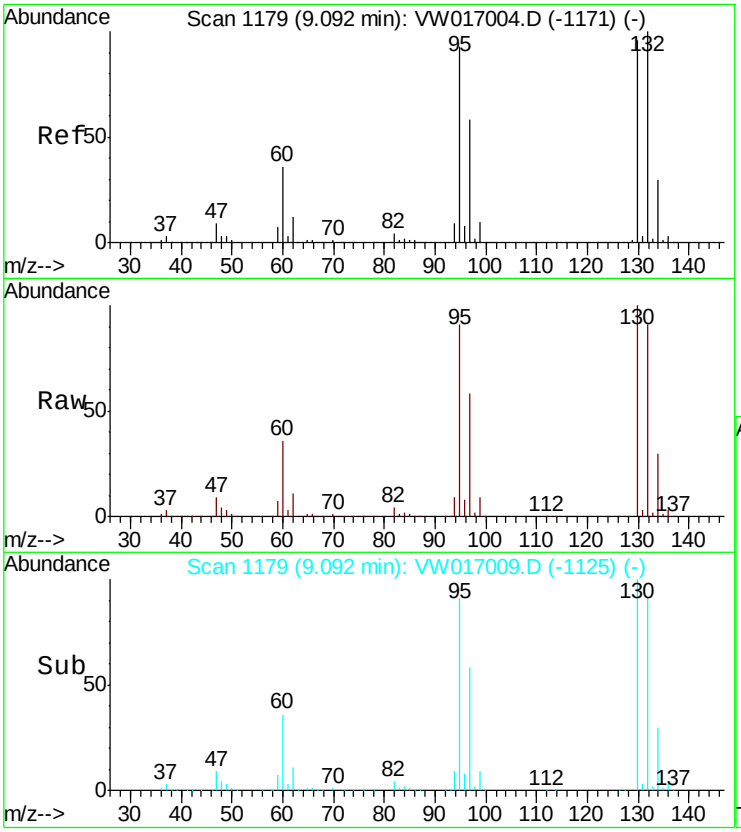


#34
Benzene
Concen: 3.005 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 78 Resp: 59311

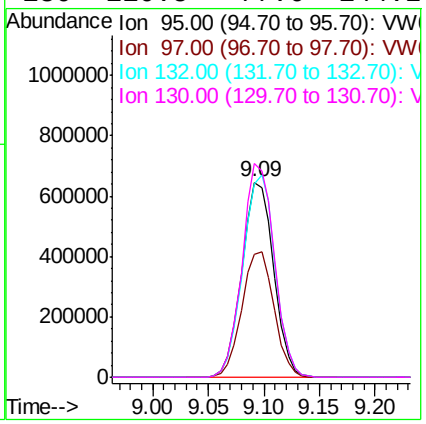




#35
Trichloroethene
Concen: 235.561 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 95 Resp: 1287617

Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.0	85.4
132	104.9	73.9	137.3
130	110.5	77.6	144.2



Instrument :
MSVOA_W
ClientSampleId :
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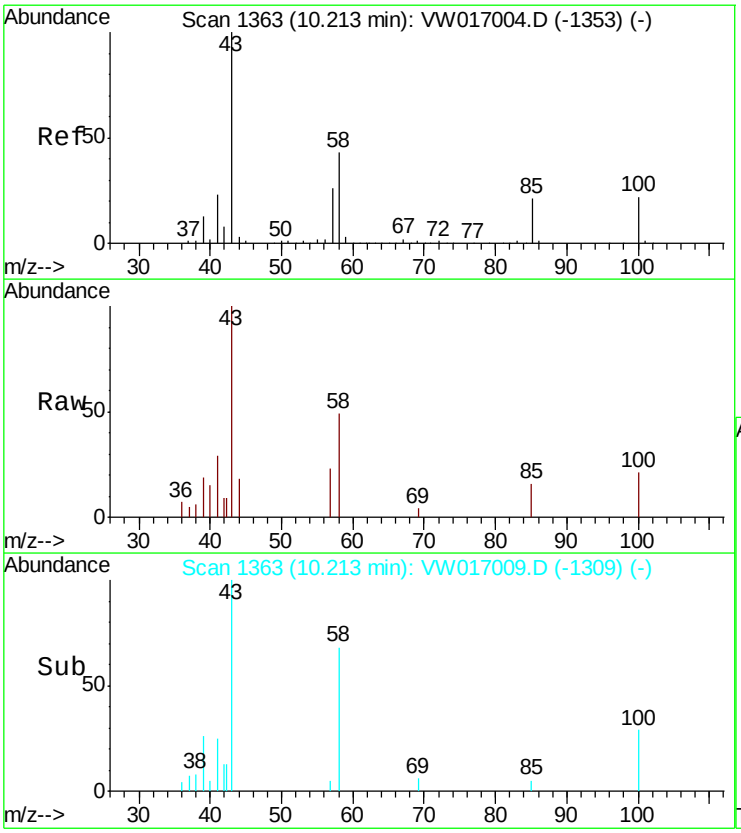
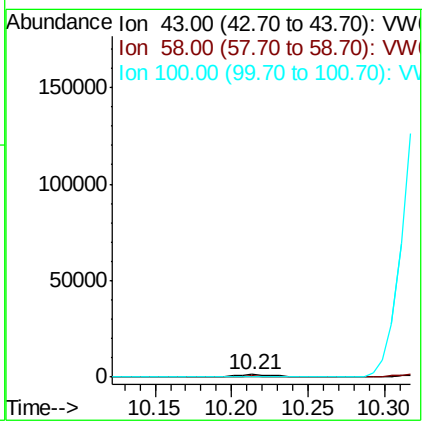
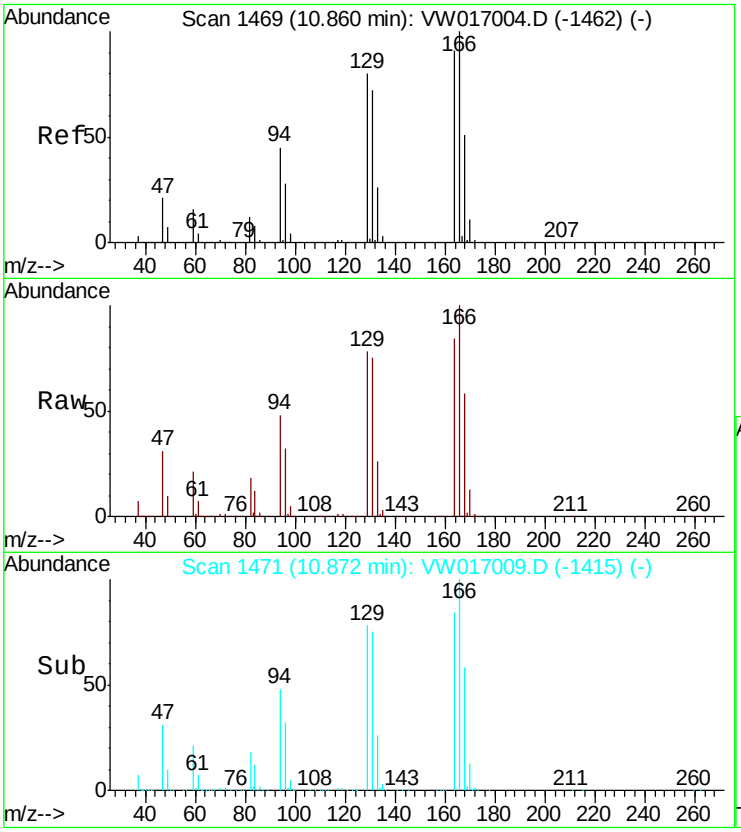


#43
4-Methyl-2-pentanone
Concen: 1.242 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion: 43 Resp: 2594

Ion	Ratio	Lower	Upper
43	100		
58	41.8	34.4	51.6
100	13.1	16.2	24.2#

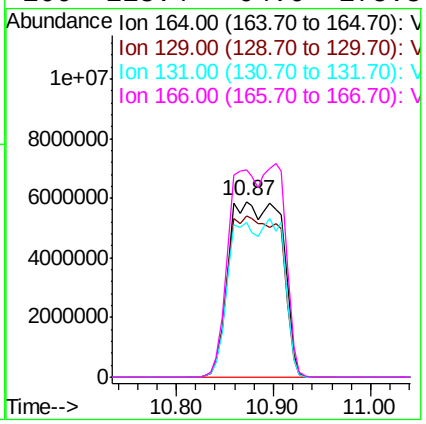




#47
Tetrachloroethene
Concen: 4431.093 ug/L m
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion:164 Resp:22280237

Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.0	119.0
131	88.6	61.7	114.5
166	118.4	94.6	175.8



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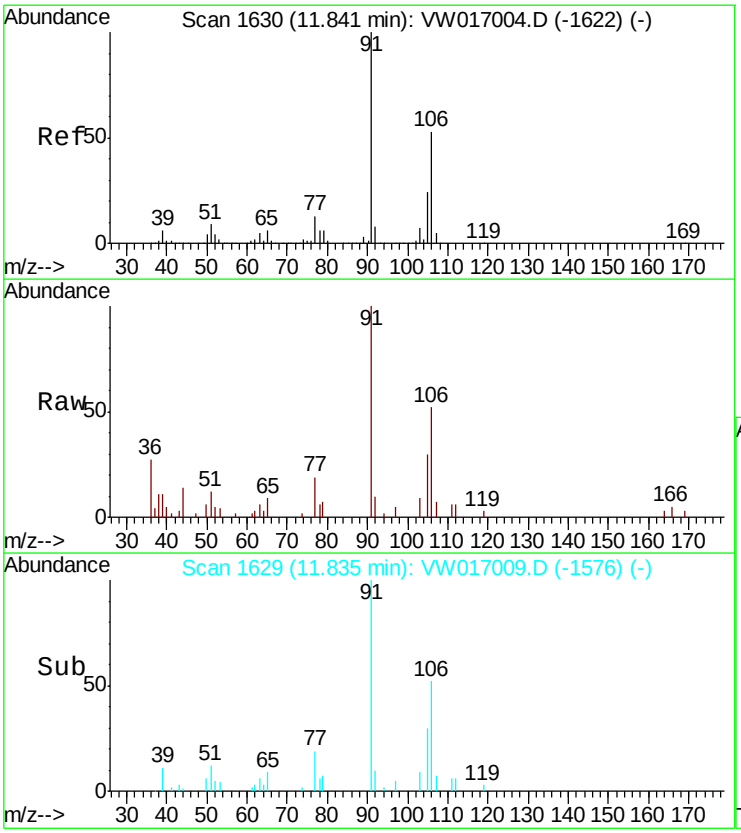
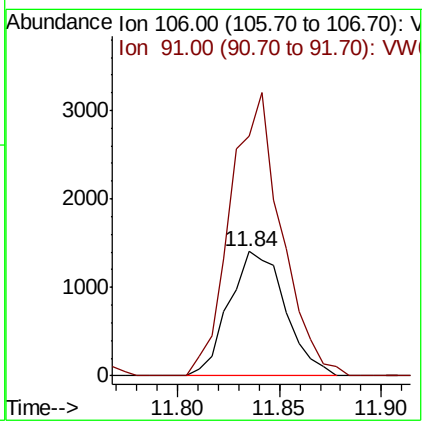
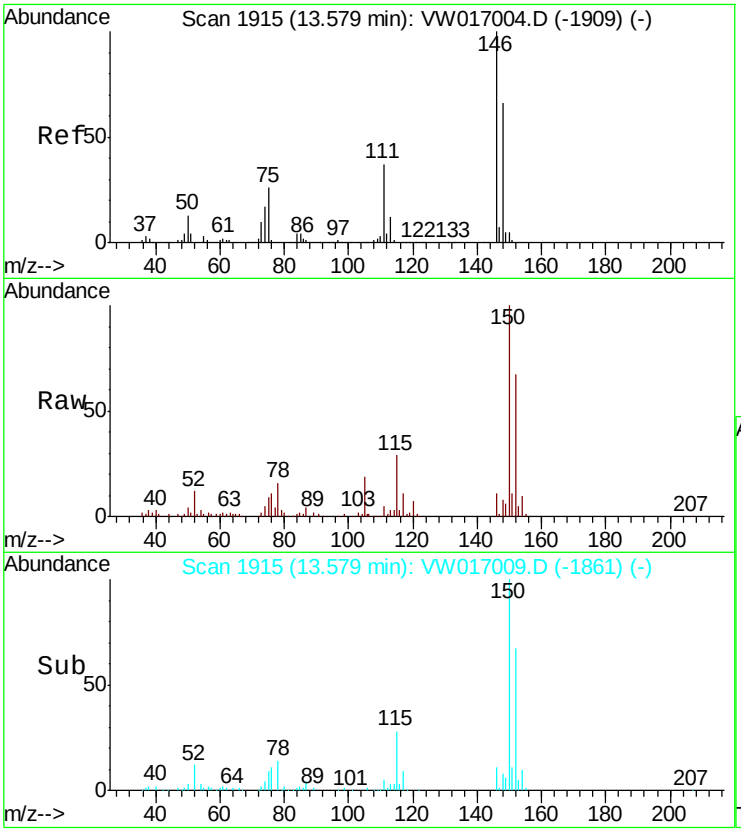


#54
m,p-Xylene
Concen: 0.285 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion:106 Resp: 2694

Ion	Ratio	Lower	Upper
106	100		
91	193.5	134.2	249.2

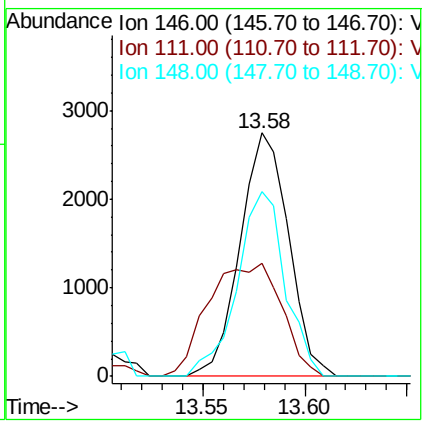




#64
1,4-Dichlorobenzene
Concen: 0.600 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion:146 Resp: 4538

Ion	Ratio	Lower	Upper
146	100		
111	46.3	25.7	47.7
148	76.1	44.3	82.3



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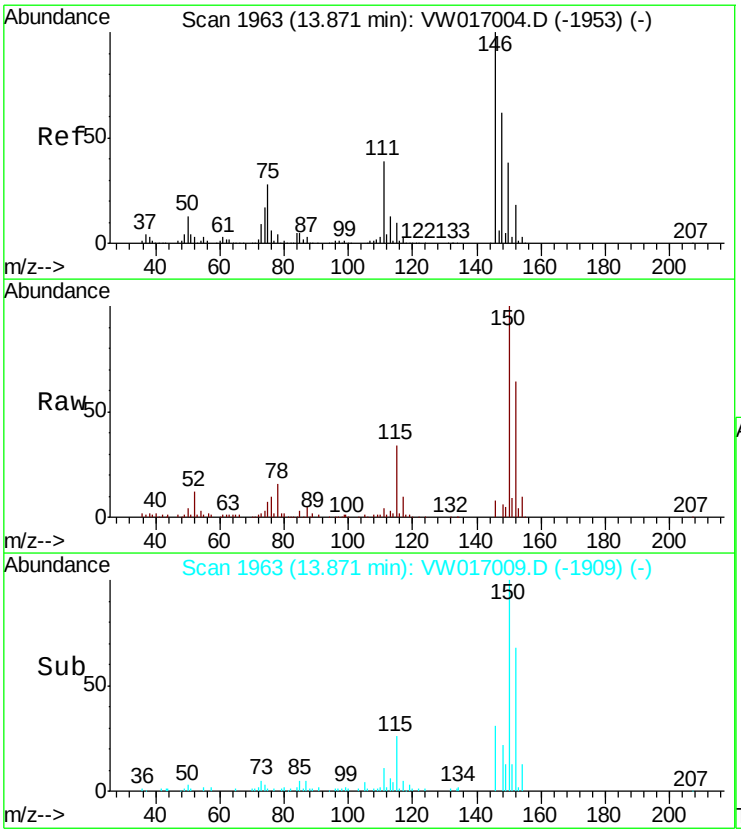

#65
1,2-Dichlorobenzene
Concen: 0.779 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW017009.D
Acq: 28 Oct 2020 13:22

Tgt Ion:146 Resp: 5217

Ion	Ratio	Lower	Upper
146	100		
111	43.4	31.4	47.0
148	70.4	47.7	71.5