Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
Data File : VW013862.D
Acq On : 31 Oct 2019 17:19
Operator : SY/VA
Sample : K5552-18MSD
Misc : 4.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQC9MSD

Manual Integrations APPROVED
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11/1/2019 12:05:47 PM

Quant Time: Nov 01 04:49:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 02:10:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	290857	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293429	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160613	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	125195	28.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 113.08%			
7) Chloroethane-d5	2.88	69	97831	28.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 112.96%			
10) 1,1-Dichloroethene-d2	4.02	63	229006	25.85	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.40%			
20) 2-Butanone-d5	7.07	46	97491	62.65	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 125.30%			
24) Chloroform-d	7.65	84	253929	28.53	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 114.12%			
26) 1,2-Dichloroethane-d4	8.31	65	146819	30.33	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 121.32%			
29) Benzene-d6	8.27	84	538490	28.32	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 113.28%			
33) 1,2-Dichloropropane-d6	9.27	67	167321	29.37	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 117.48%			
37) Toluene-d8	10.32	98	505644	27.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 111.24%			
38) trans-1,3-Dichloropropene-	10.57	79	75279	28.88	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 115.52%			
39) 2-Hexanone-d5	10.92	63	82778	63.12	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 126.24%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	155109	29.95	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 119.80%			
61) 1,2-Dichlorobenzene-d4	13.85	152	189769	30.68	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 122.72%#			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.04	96	96000	19.935	ug/L	89
13) Acetone	4.12	43	30248	20.769	ug/L	97
16) Methylene chloride	4.92	84	9202m	1.618	ug/L	
21) 2-Butanone	7.17	43	6637m	3.176	ug/L	
34) Benzene	8.32	78	446153	21.926	ug/L	100
35) Trichloroethene	9.09	95	109386	20.369	ug/L	98
44) Toluene	10.38	91	482183	21.946	ug/L	98
52) Chlorobenzene	11.66	112	301284	21.146	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
GAQC9MSD

Manual Integrations APPROVED
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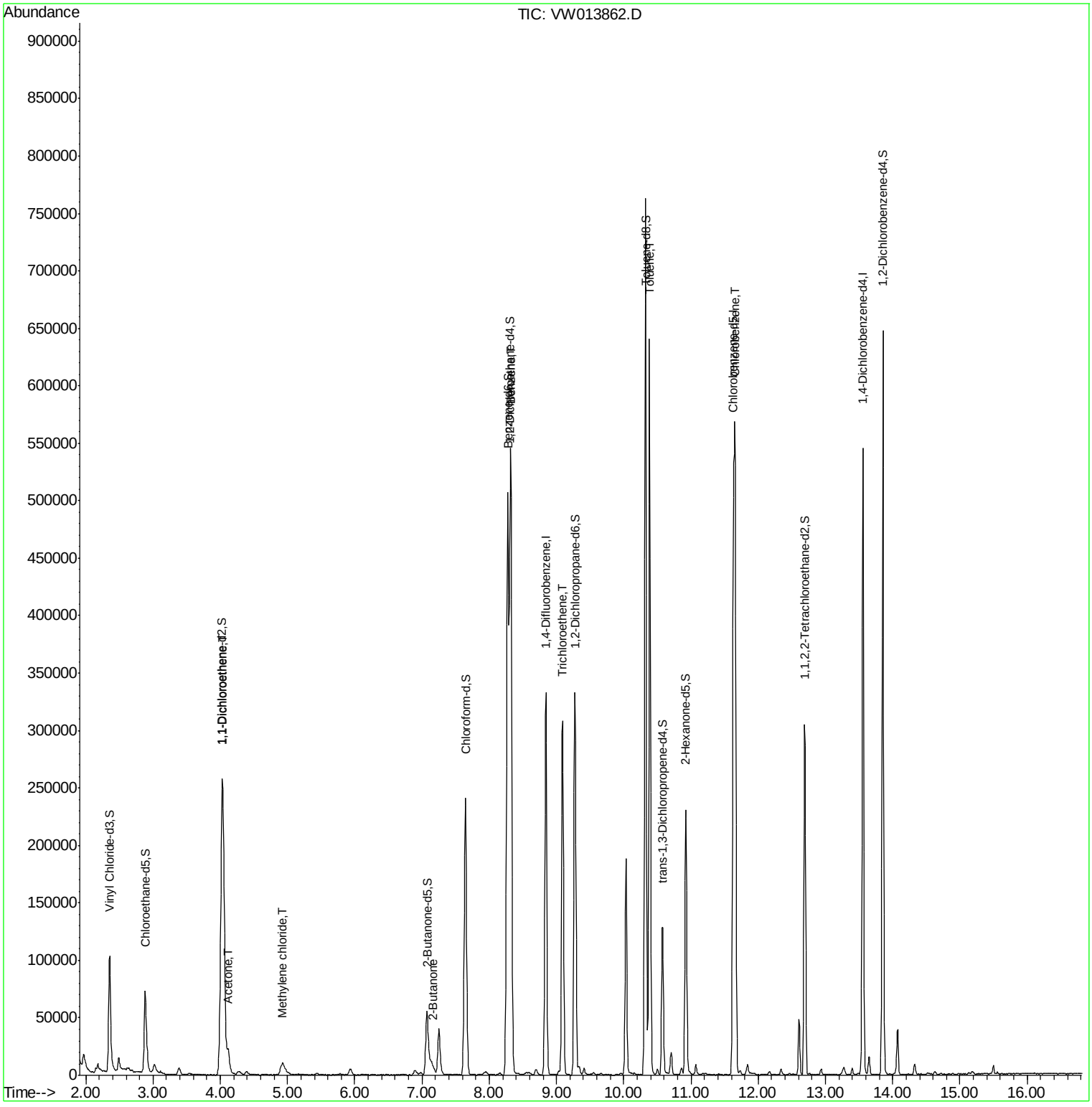
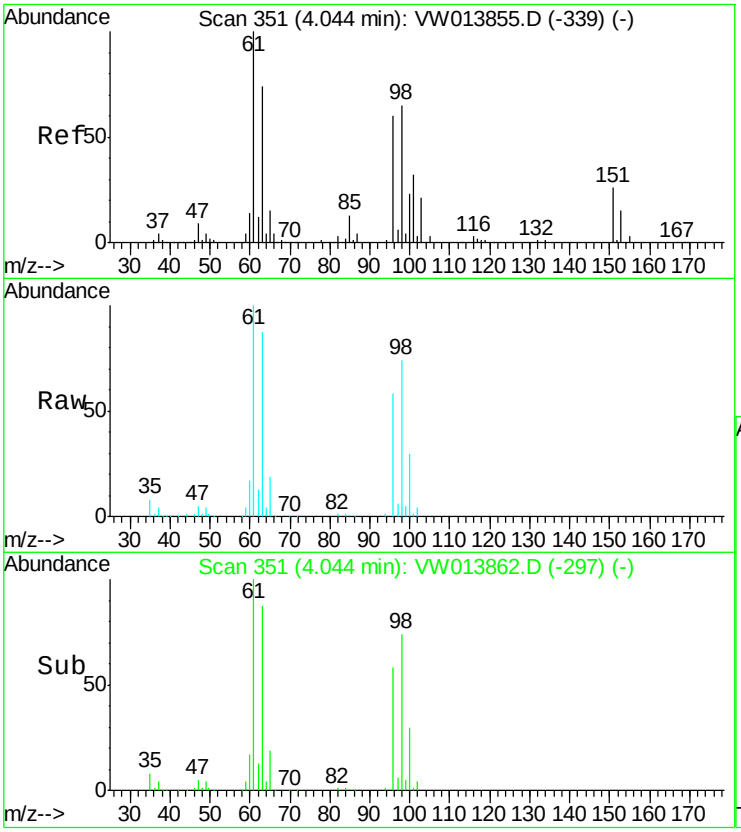
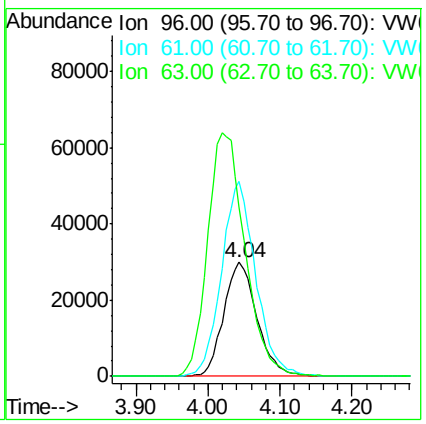




#12
1,1-Dichloroethene
Concen: 19.935 ug/L
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 96 Resp: 96000

Ion	Ratio	Lower	Upper
96	100		
61	171.3	110.4	205.0
63	149.3	95.5	177.3



Instrument :
MSVOA_W
ClientSampleId :
GAQC9MSD

Manual Integrations APPROVED
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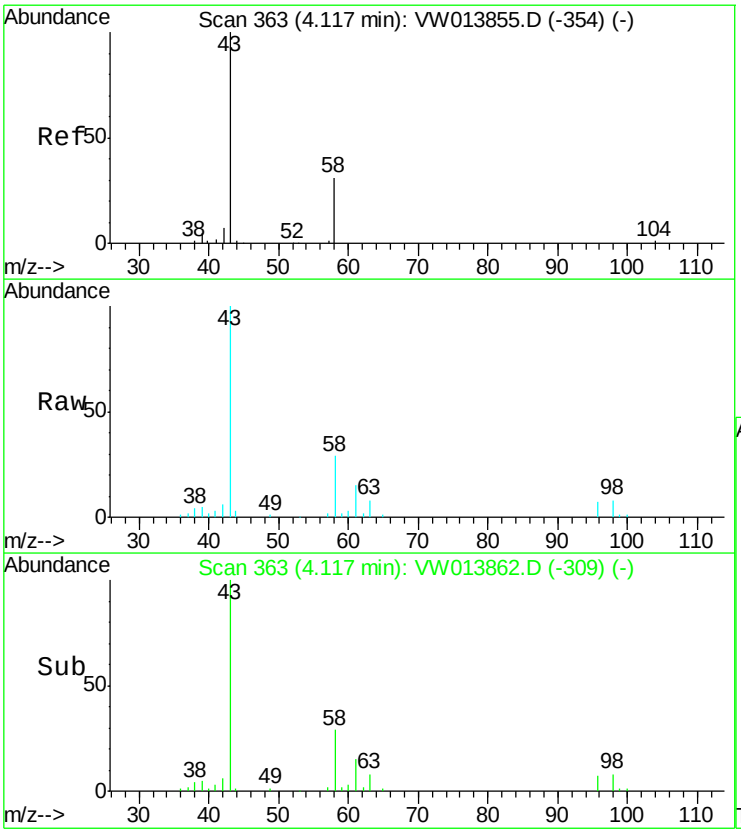
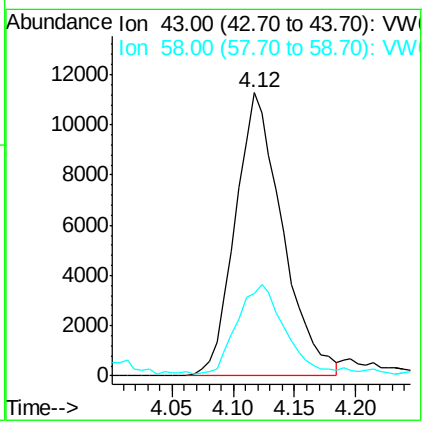
11/1/2019 12:05:47 PM

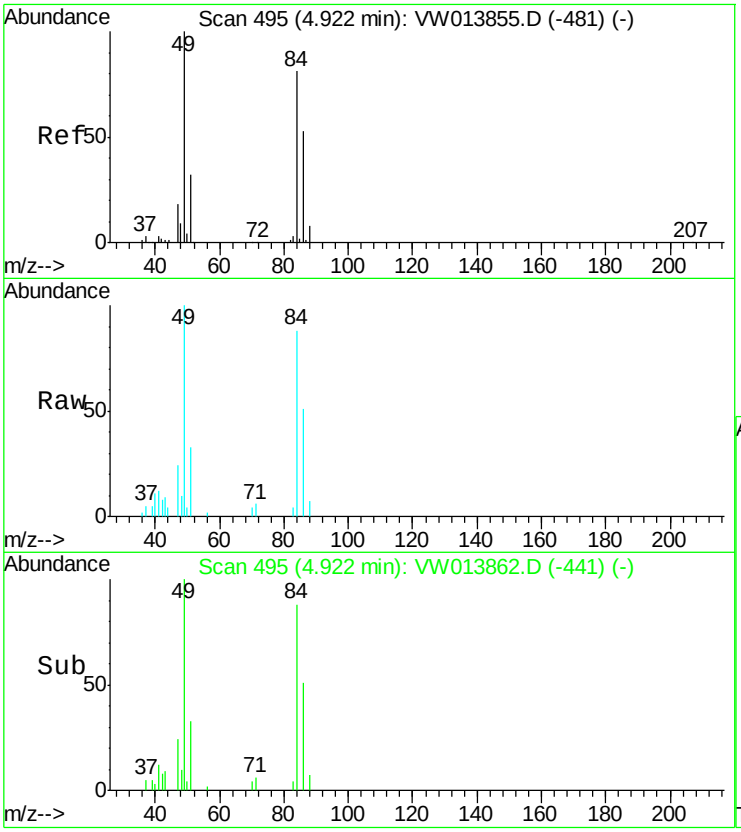


#13
Acetone
Concen: 20.769 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 43 Resp: 30248

Ion	Ratio	Lower	Upper
43	100		
58	33.2	0.0	63.4

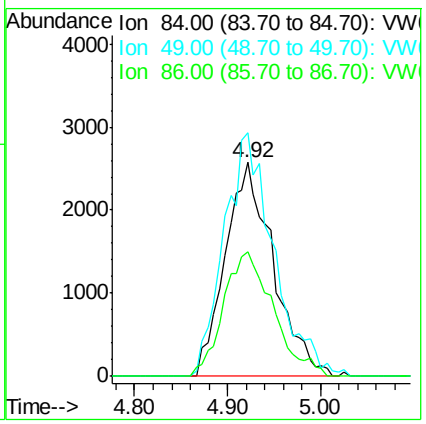




#16
Methylene chloride
Concen: 1.618 ug/L m
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 84 Resp: 9202

Ion	Ratio	Lower	Upper
84	100		
49	114.0	82.2	152.6
86	58.5	45.6	84.8



Instrument :
MSVOA_W
ClientSampleId :
GAQC9MSD

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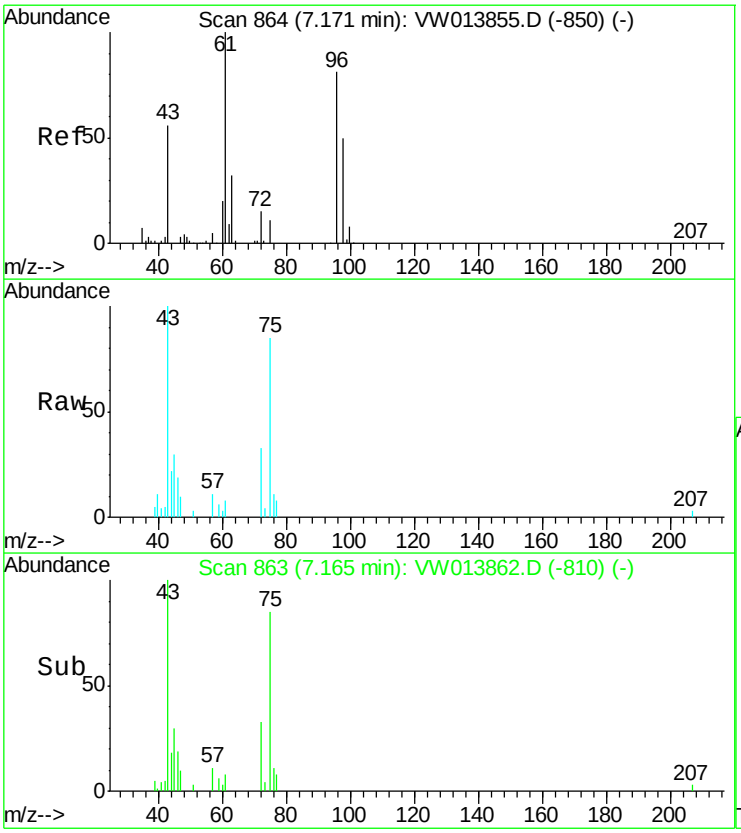
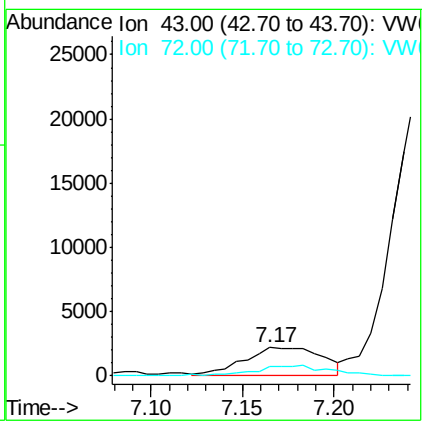
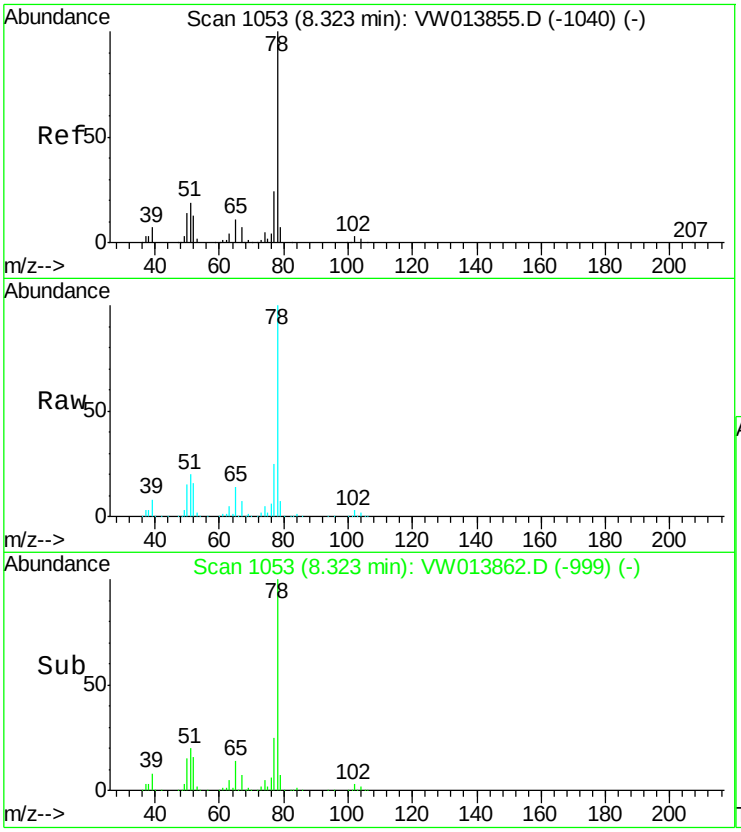


#21
2-Butanone
Concen: 3.176 ug/L m
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 43 Resp: 6637

Ion	Ratio	Lower	Upper
43	100		
72	0.5	14.0	41.9#





#34
Benzene
Concen: 21.926 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 78 Resp: 446153

Instrument :
MSVOA_W
ClientSampleId :
GAQC9MSD

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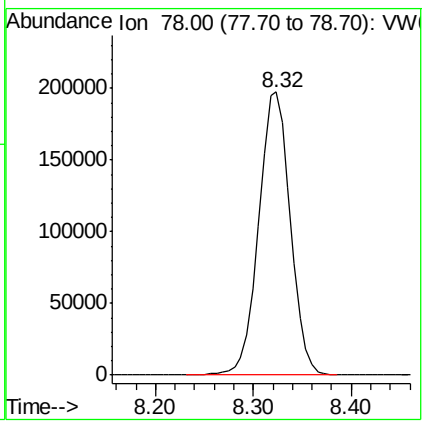
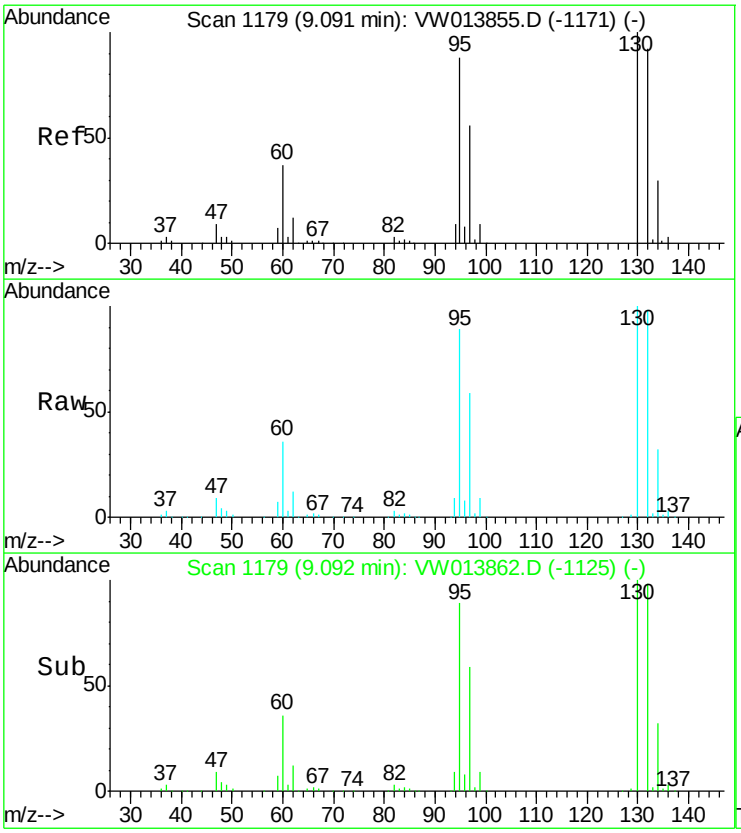
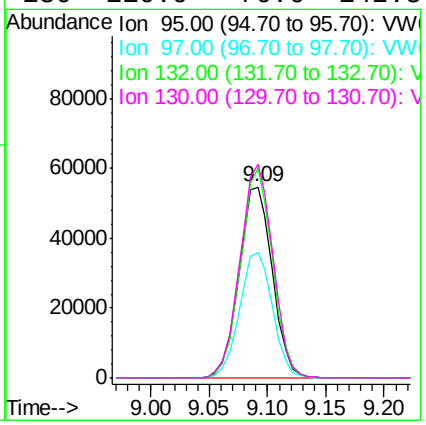


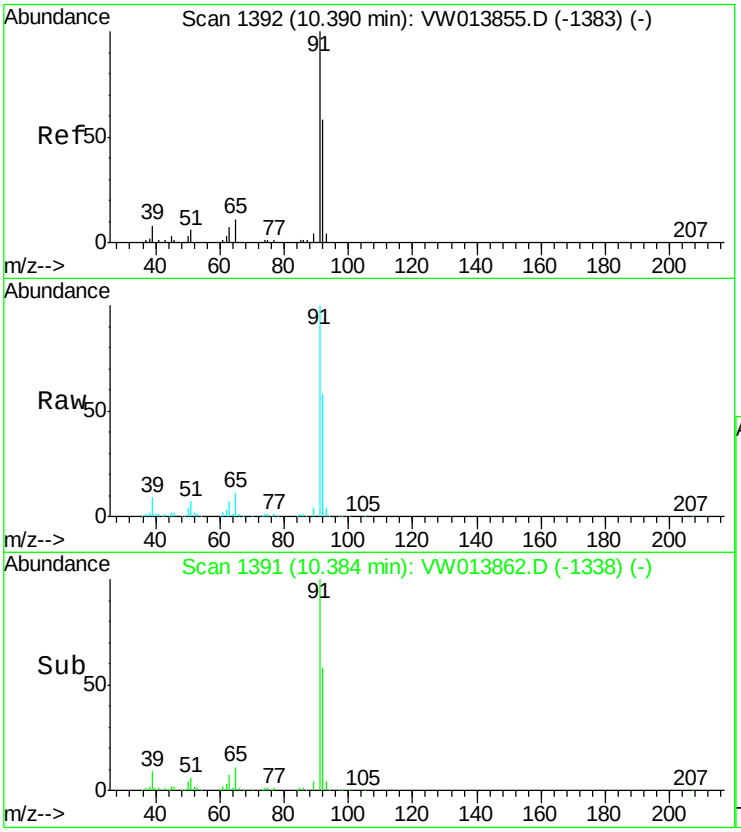


#35
Trichloroethene
Concen: 20.369 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 95 Resp: 109386

Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.0	83.6
132	105.3	72.4	134.4
130	110.9	76.6	142.3





#44
Toluene
Concen: 21.946 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 91 Resp: 482183

Ion	Ratio	Lower	Upper
91	100		
92	58.3	42.0	78.0

Instrument :
MSVOA_W
ClientSampleId :
GAQC9MSD

Manual Integrations APPROVED
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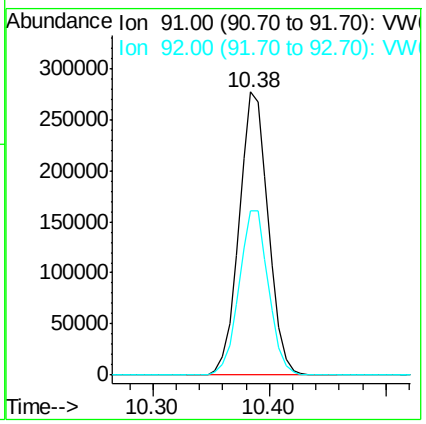
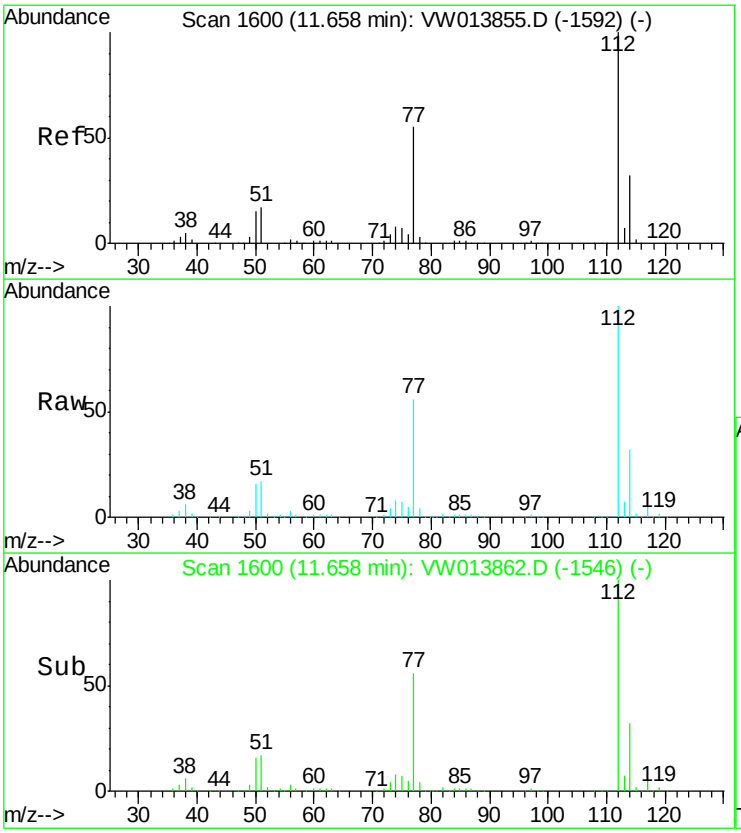
11/1/2019 12:05:47 PM





#52
Chlorobenzene
Concen: 21.146 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013862.D
Acq: 31 Oct 2019 17:19

Tgt Ion:112 Resp: 301284

Ion	Ratio	Lower	Upper
112	100		
77	55.9	44.7	67.1
114	32.1	23.1	42.9