

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
 Data File : VW015610.D
 Acq On : 16 Jun 2020 16:17
 Operator : SY/VA
 Sample : L3027-04
 Misc : 4.66G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K8

Quant Time: Jun 17 07:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 17 06:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	312561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	220079	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	53625	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93633	32.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	130.76%
7) Chloroethane-d5	2.90	69	79102	27.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.08%
10) 1,1-Dichloroethene-d2	4.01	63	135040	19.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.40%
20) 2-Butanone-d5	7.08	46	26281m	28.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.20%
24) Chloroform-d	7.65	84	164049	22.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	8.31	65	88144	21.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.68%
29) Benzene-d6	8.28	84	320502	29.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.76%
33) 1,2-Dichloropropane-d6	9.27	67	91253	27.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.28%
37) Toluene-d8	10.32	98	260422	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.28%
38) trans-1,3-Dichloropropene-	10.58	79	33013	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.04%
39) 2-Hexanone-d5	10.93	63	19094	33.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44904	18.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	35101	19.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.12%

Target Compounds

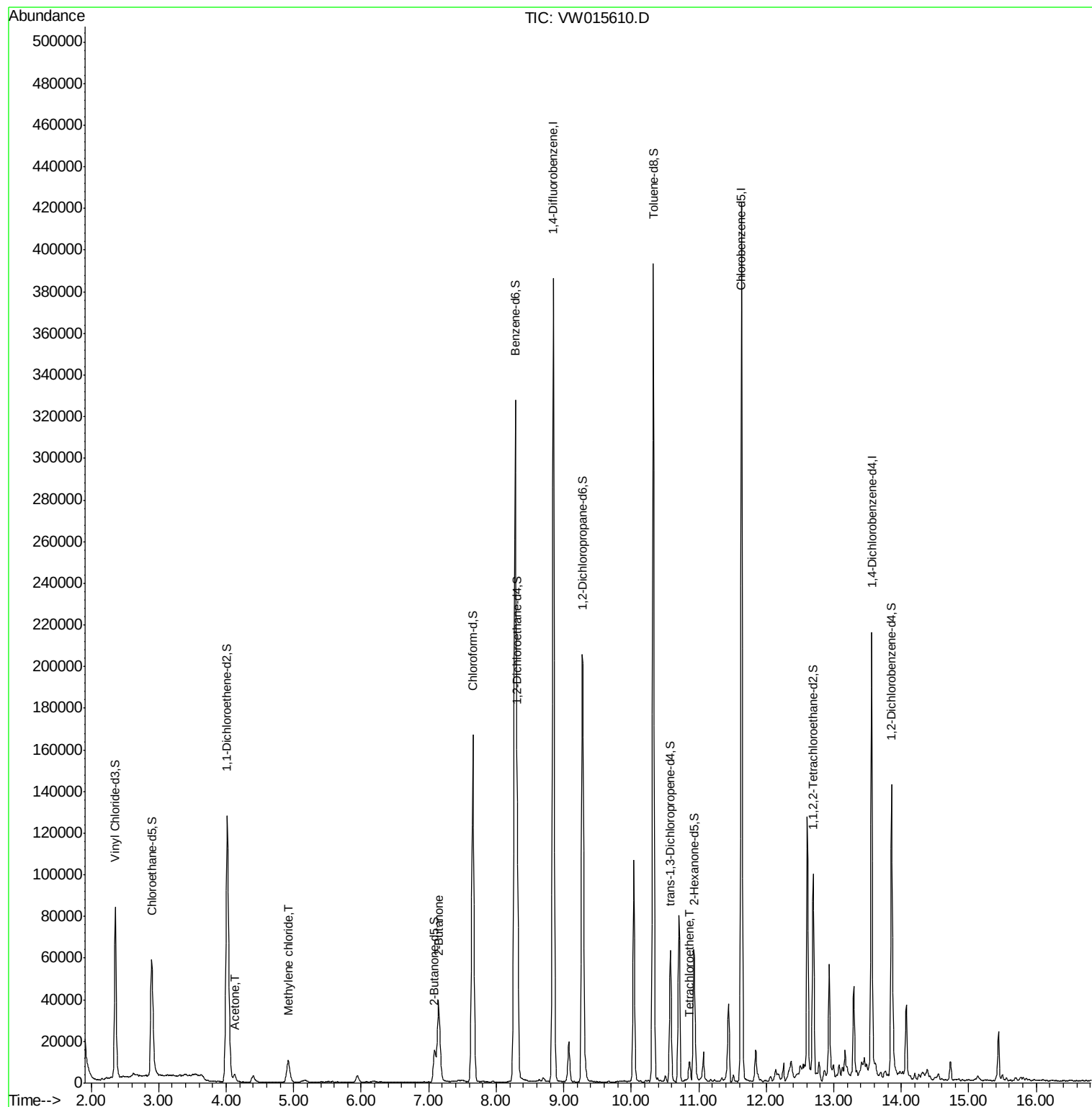
					Ovalue
13) Acetone	4.13	43	5902	8.164 ug/L	96
16) Methylene chloride	4.92	84	8184	2.133 ug/L	90
21) 2-Butanone	7.15	43	6193m	5.576 ug/L	
47) Tetrachloroethene	10.87	164	2130	0.813 ug/L	92

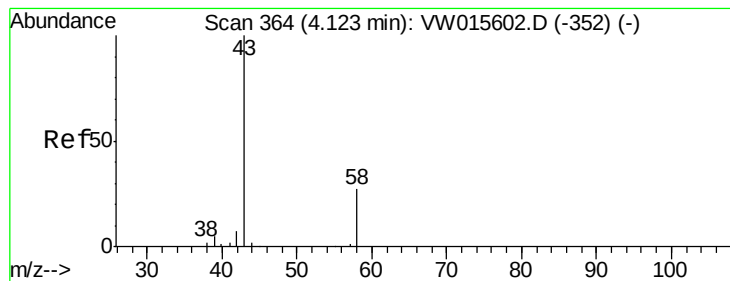
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.164 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 16 Jun 2020 16:17

Instrument :

MSVOA_W

ClientSampleId :

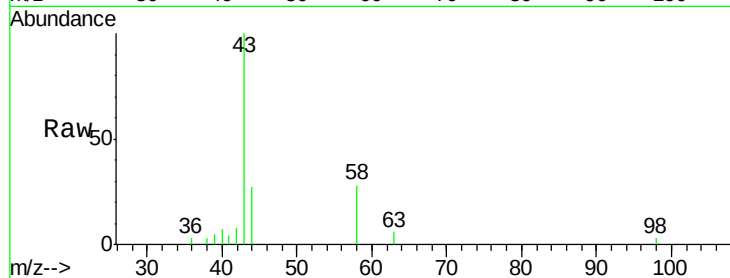
BG2K8

Tot Ion: 43 Resp: 5902

Ion Ratio Lower Upper

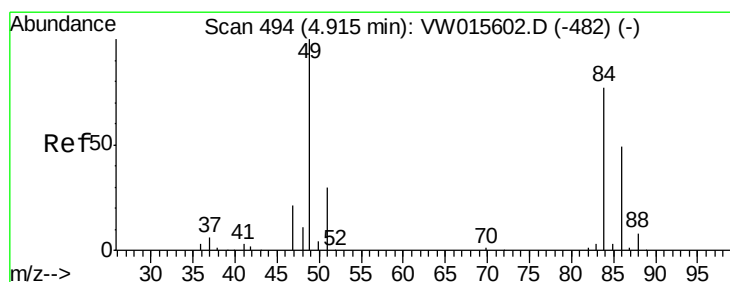
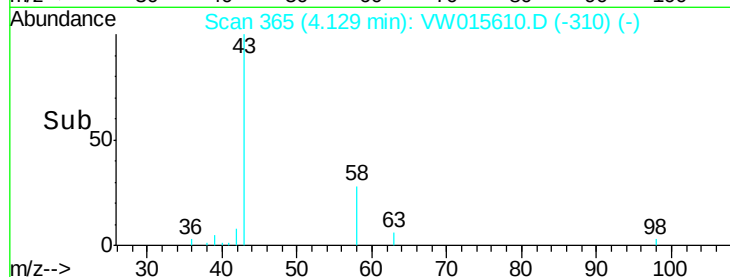
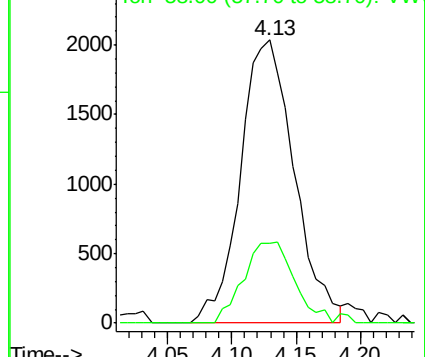
43 100

58 26.4 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.133 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

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Acq: 16 Jun 2020 16:17

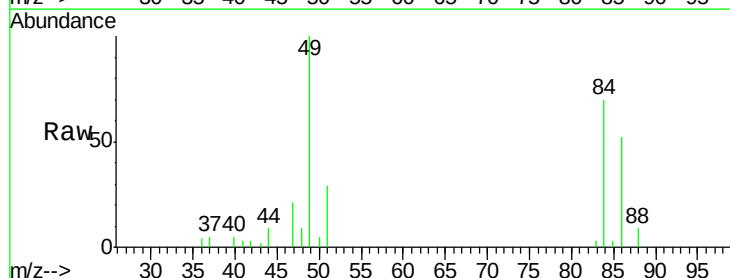
Tgt Ion: 84 Resp: 8184

Ion Ratio Lower Upper

84 100

49 142.8 93.0 172.8

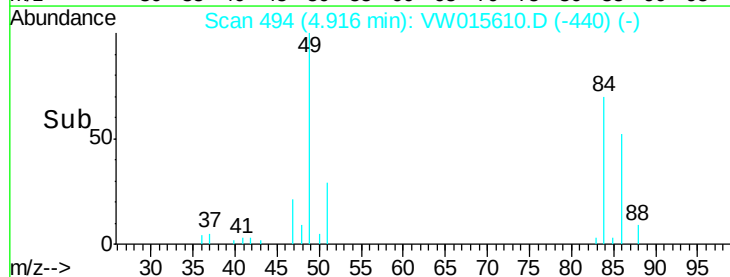
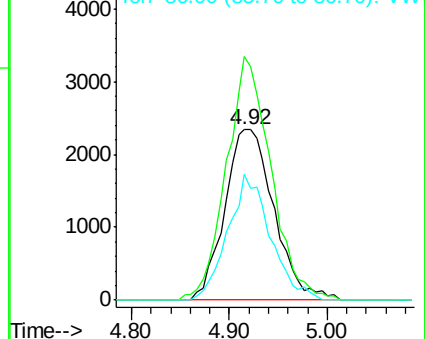
86 73.9 44.7 83.1

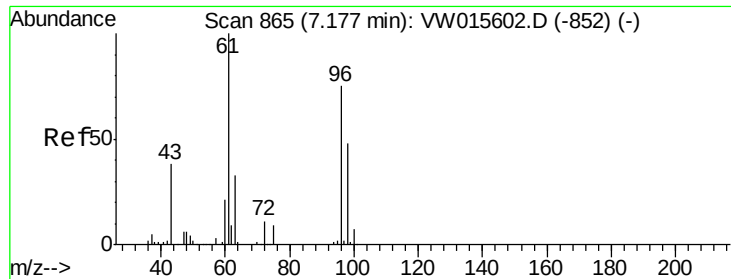


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 5.576 ug/L m

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

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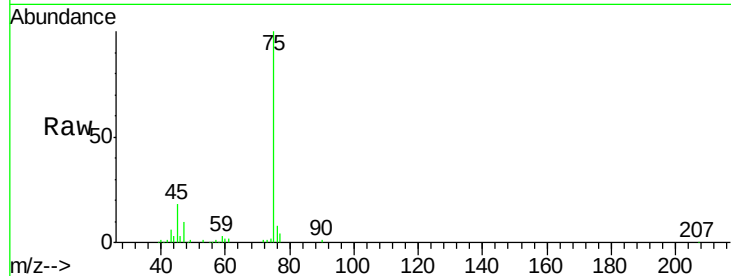
BG2K8

Tot Ion: 43 Resp: 6193

Ion Ratio Lower Upper

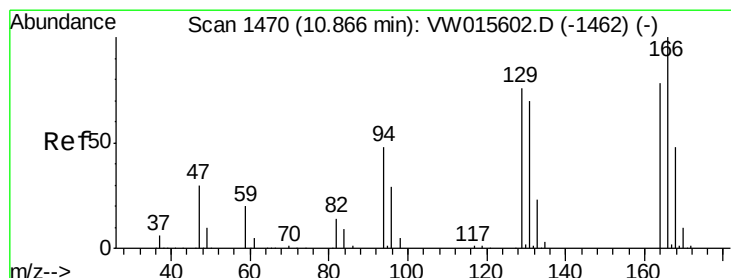
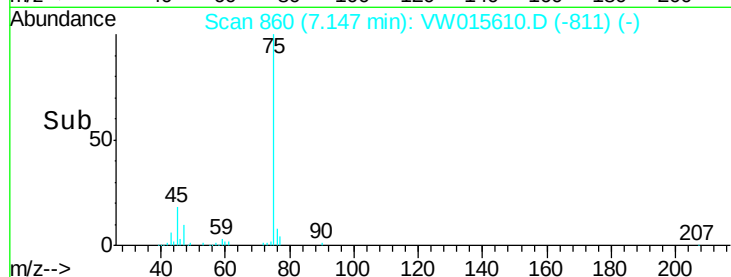
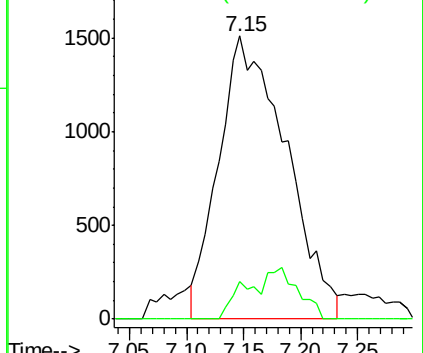
43 100

72 5.1 13.3 39.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#47

Tetrachloroethene

Concen: 0.813 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015610.D

Acq: 16 Jun 2020 16:17

Tgt Ion: 164 Resp: 2130

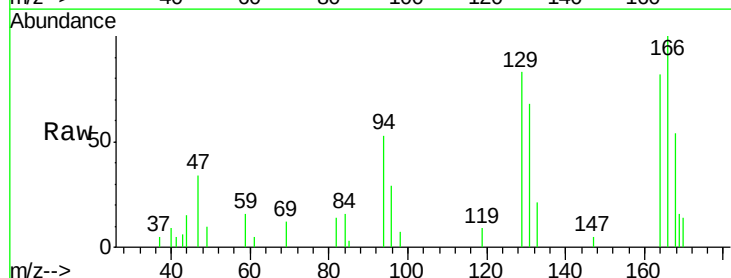
Ion Ratio Lower Upper

164 100

129 101.8 66.3 123.1

131 82.4 65.1 120.9

166 122.0 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

