

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017148.D
 Acq On : 10 Nov 2020 18:21
 Operator : SY/VA
 Sample : L4693-03
 Misc : 5.19G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4D3

Quant Time: Nov 11 06:46:54 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	481547	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	432078	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193829	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132802	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	110029	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	4.02	63	181003	16.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.72%
20) 2-Butanone-d5	7.08	46	38803	28.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.22%
24) Chloroform-d	7.65	84	249228	22.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	8.31	65	116889	20.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.64%
29) Benzene-d6	8.27	84	509027	23.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.52%
33) 1,2-Dichloropropane-d6	9.28	67	136593	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.32	98	480970	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.72%
38) trans-1,3-Dichloropropene-	10.58	79	51462	18.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.04%
39) 2-Hexanone-d5	10.93	63	31384	29.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94994	17.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	163717	23.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.88%

Target Compounds

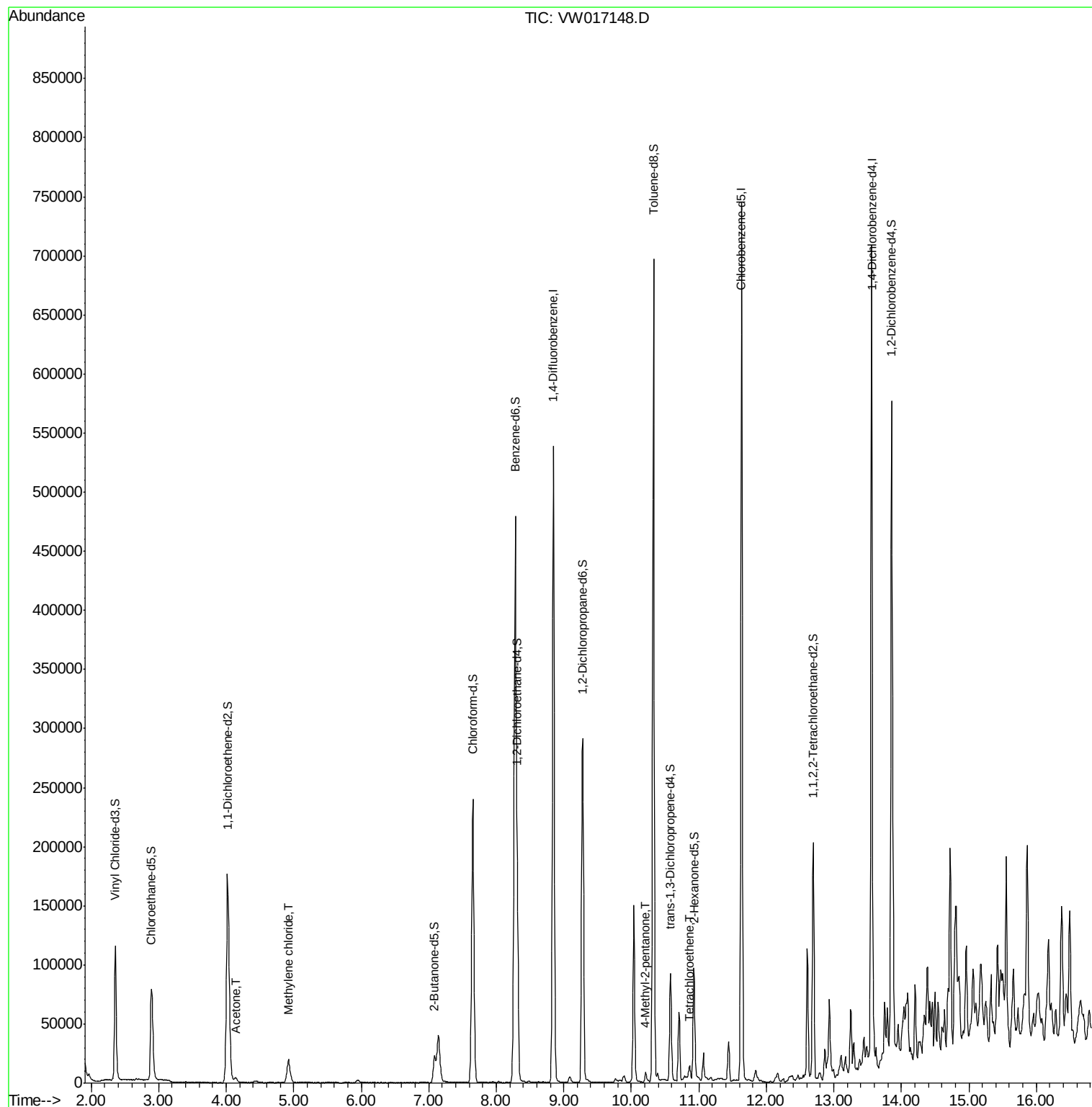
					Ovalue
13) Acetone	4.14	43	6849	7.541 ug/L	98
16) Methylene chloride	4.92	84	16454	2.534 ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	5473	1.673 ug/L	93
47) Tetrachloroethene	10.87	164	2645	0.461 ug/L	91

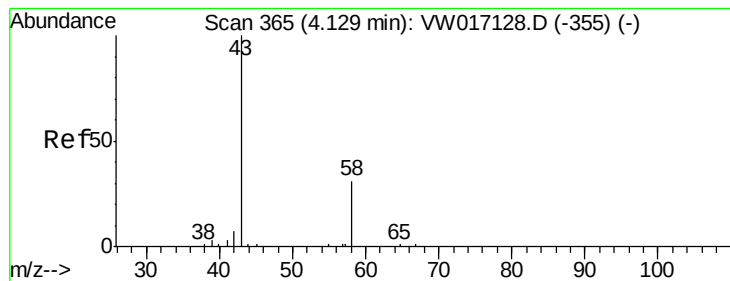
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.541 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017148.D

Acq: 10 Nov 2020 18:21

Instrument :

MSVOA_W

ClientSampled :

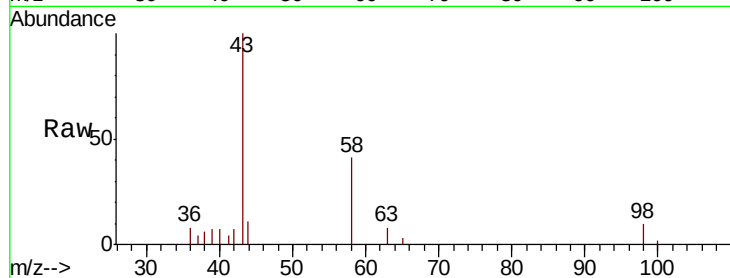
BG4D3

Tot Ion: 43 Resp: 6849

Ion Ratio Lower Upper

43 100

58 33.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

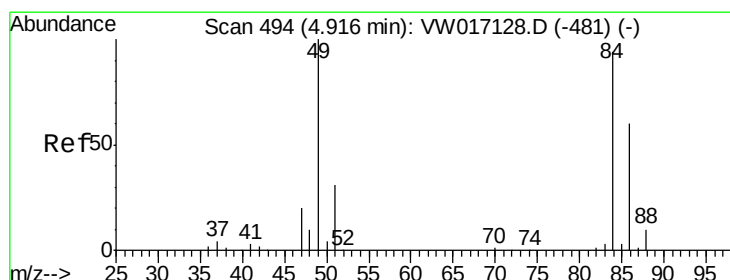
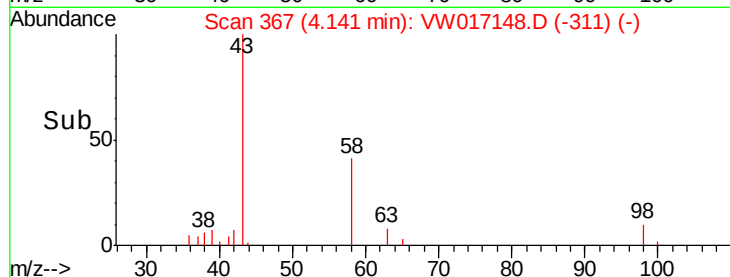
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.534 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017148.D

Acq: 10 Nov 2020 18:21

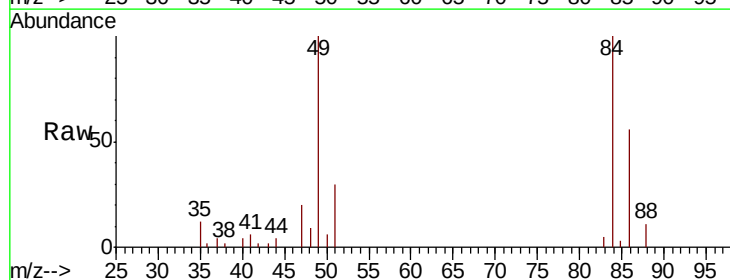
Tgt Ion: 84 Resp: 16454

Ion Ratio Lower Upper

84 100

49 100.2 72.3 134.3

86 56.1 45.1 83.7



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

4.92

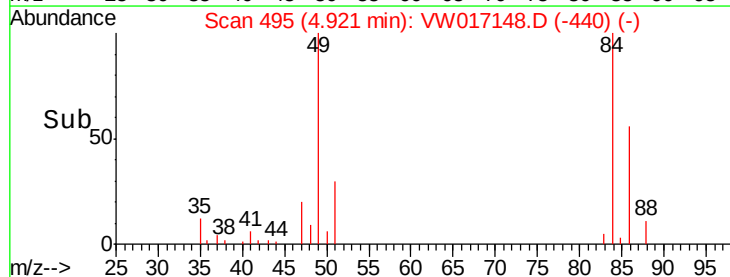
6000

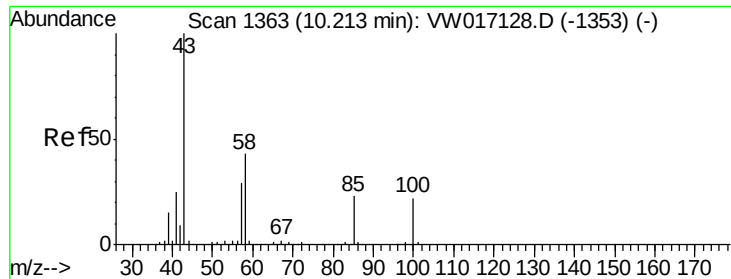
4000

2000

0

Time-->





#43

4-Methyl-2-pentanone

Concen: 1.673 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

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Acq: 10 Nov 2020 18:21

Instrument :

MSVOA_W

ClientSampleId :

BG4D3

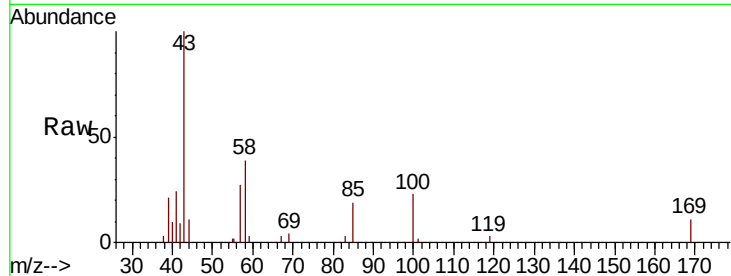
Tot Ion: 43 Resp: 5473

Ion Ratio Lower Upper

43 100

58 38.4 35.0 52.6

100 19.2 16.6 24.8

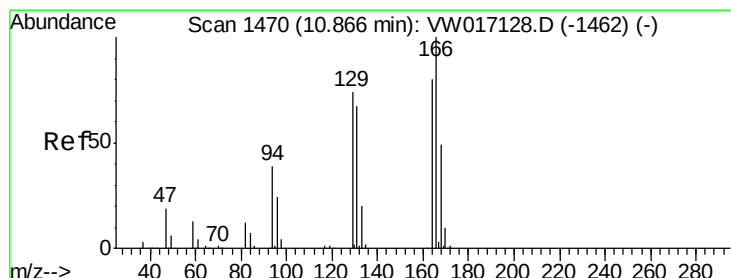
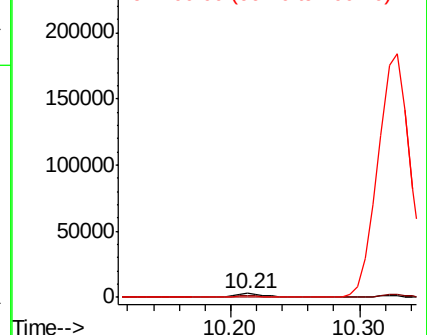
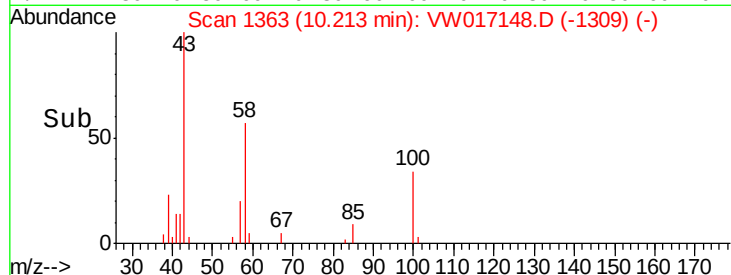


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW



#47

Tetrachloroethene

Concen: 0.461 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017148.D

Acq: 10 Nov 2020 18:21

Tgt Ion: 164 Resp: 2645

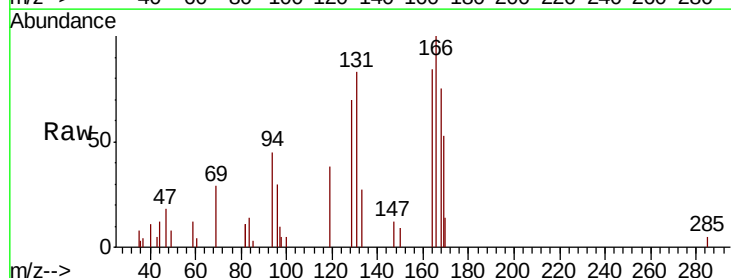
Ion Ratio Lower Upper

164 100

129 83.0 62.9 116.7

131 98.5 63.3 117.5

166 119.1 92.0 170.8



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

