

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110220\
 Data File : VW017041.D
 Acq On : 02 Nov 2020 12:38
 Operator : SY/VA
 Sample : L4543-14
 Misc : 6.20G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG472

Quant Time: Nov 03 05:31:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:48:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	550408	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	493690	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228515	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	140053	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.20%
7) Chloroethane-d5	2.90	69	115554	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
10) 1,1-Dichloroethene-d2	4.03	63	206931	16.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.00%
20) 2-Butanone-d5	7.08	46	47903	40.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.06%
24) Chloroform-d	7.65	84	286115	22.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.16%
26) 1,2-Dichloroethane-d4	8.31	65	130660	21.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.48%
29) Benzene-d6	8.28	84	594011	23.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.68%
33) 1,2-Dichloropropane-d6	9.28	67	162157	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.76%
37) Toluene-d8	10.33	98	558916	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.64%
38) trans-1,3-Dichloropropene-	10.58	79	62619	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.20%
39) 2-Hexanone-d5	10.93	63	39186	40.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107062	20.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	194007	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

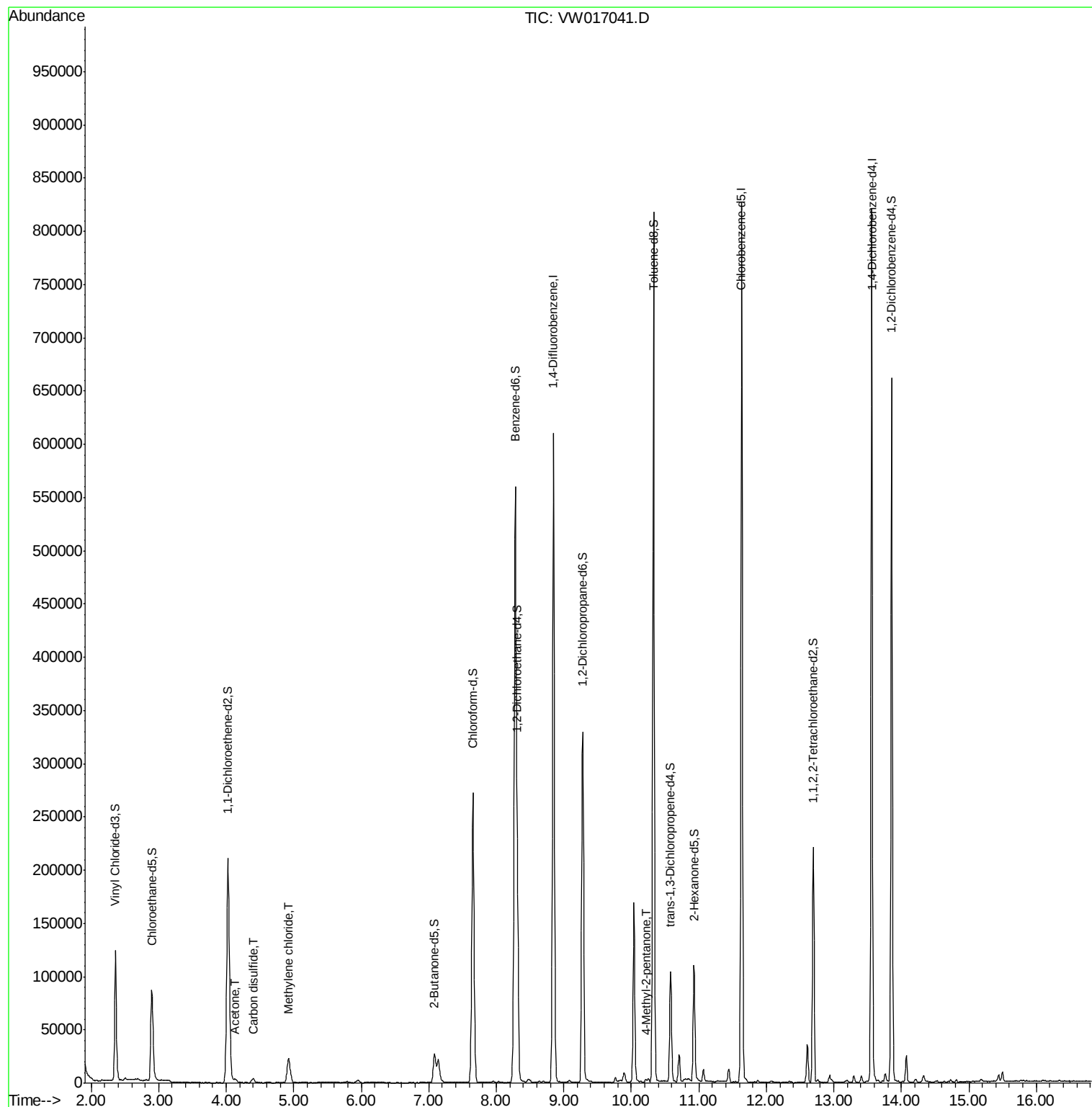
					Ovalue
13) Acetone	4.13	43	4518	5.611 ug/L	72
14) Carbon disulfide	4.40	76	7831	0.359 ug/L	98
16) Methylene chloride	4.92	84	20165	2.771 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	2223	0.770 ug/L #	85

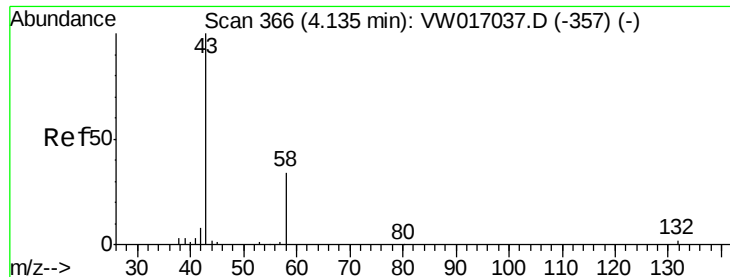
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.611 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

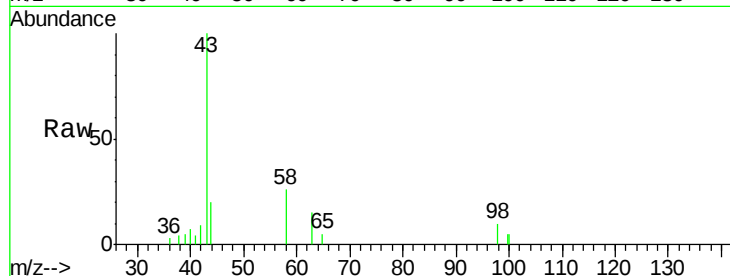
BG472

Tot Ion: 43 Resp: 4518

Ion Ratio Lower Upper

43 100

58 18.5 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

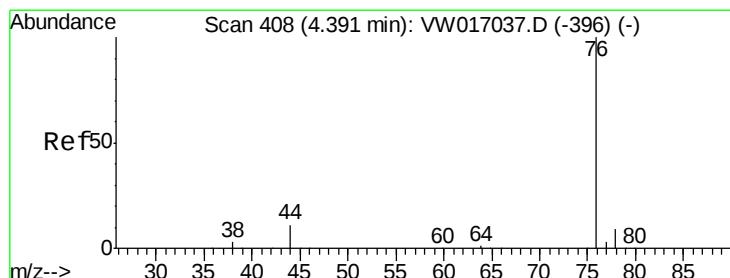
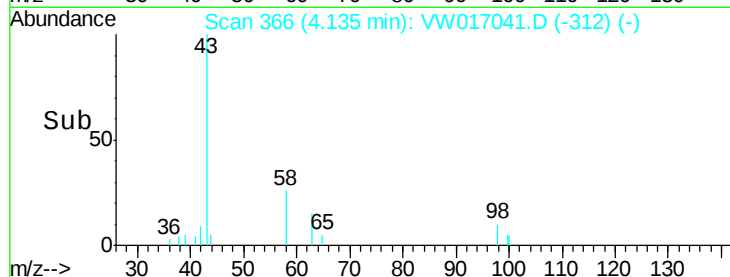
1500

1000

500

0

Time--> 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 0.359 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

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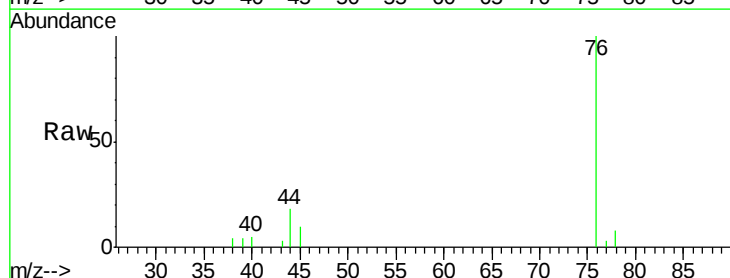
Acq: 02 Nov 2020 12:38

Tgt Ion: 76 Resp: 7831

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.40

3000

2500

2000

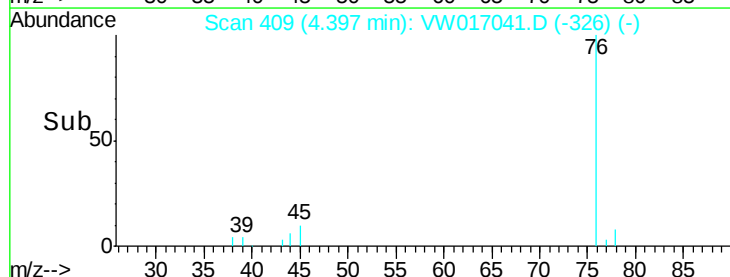
1500

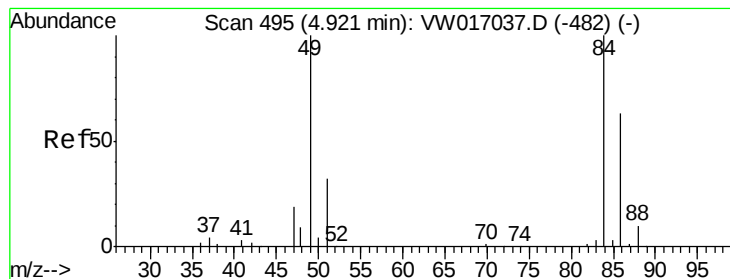
1000

500

0

Time--> 4.30 4.35 4.40 4.45 4.50





#16

Methylene chloride

Concen: 2.771 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

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Acq: 02 Nov 2020 12:38

Instrument :

MSVOA_W

ClientSampleId :

BG472

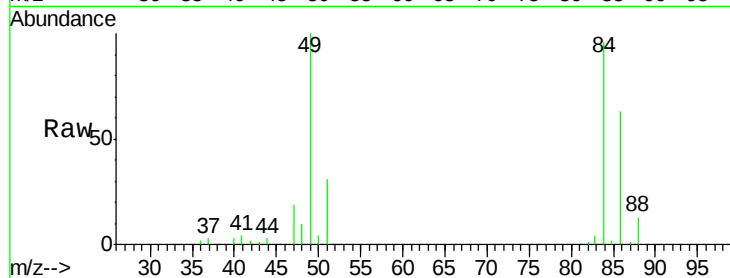
Tot Ion: 84 Resp: 20165

Ion Ratio Lower Upper

84 100

49 104.7 73.8 137.0

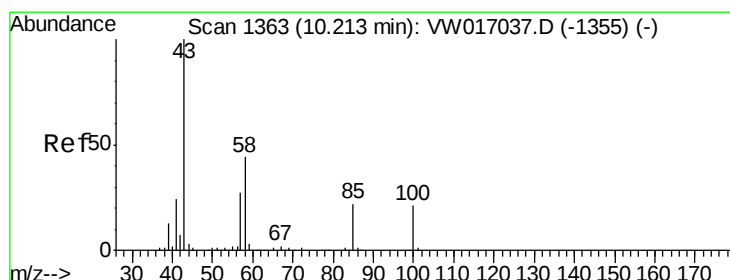
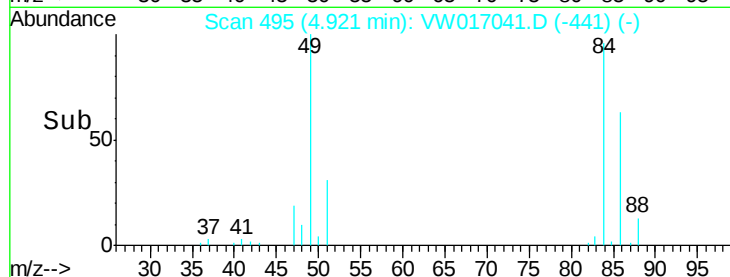
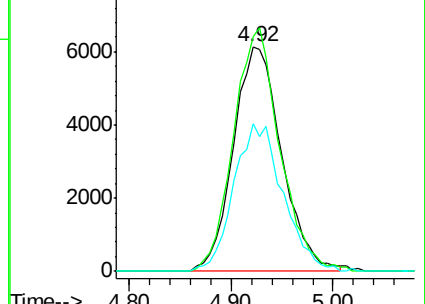
86 65.5 47.4 88.0



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



#43

4-Methyl-2-pentanone

Concen: 0.770 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

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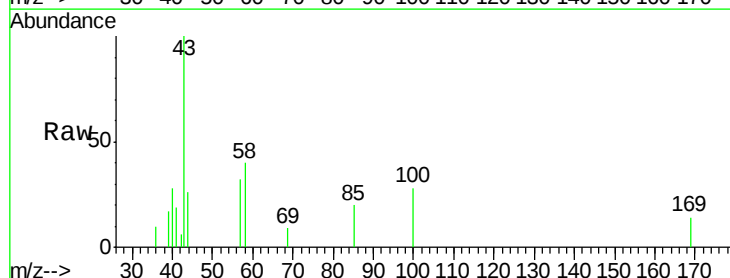
Tgt Ion: 43 Resp: 2223

Ion Ratio Lower Upper

43 100

58 32.4 34.4 51.6#

100 14.7 16.2 24.2#



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

