

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101420\
 Data File : VW016894.D
 Acq On : 13 Oct 2020 12:58
 Operator : SY/VA
 Sample : L4382-04
 Misc : 5.35G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X6

Quant Time: Oct 14 08:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 08:34:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	651020	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	585892	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	280642	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	160031	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
7) Chloroethane-d5	2.89	69	134986	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.24%
10) 1,1-Dichloroethene-d2	4.02	63	237082	17.38	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.52%
20) 2-Butanone-d5	7.07	46	68266	46.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.86%
24) Chloroform-d	7.65	84	347624	25.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	8.31	65	170181	25.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.60%
29) Benzene-d6	8.27	84	714262	26.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.36%
33) 1,2-Dichloropropane-d6	9.27	67	193403	27.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.20%
37) Toluene-d8	10.32	98	672320	26.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.12%
38) trans-1,3-Dichloropropene-	10.58	79	80205	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.72%
39) 2-Hexanone-d5	10.93	63	57714	52.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144461	25.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	236690	26.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.36%

Target Compounds

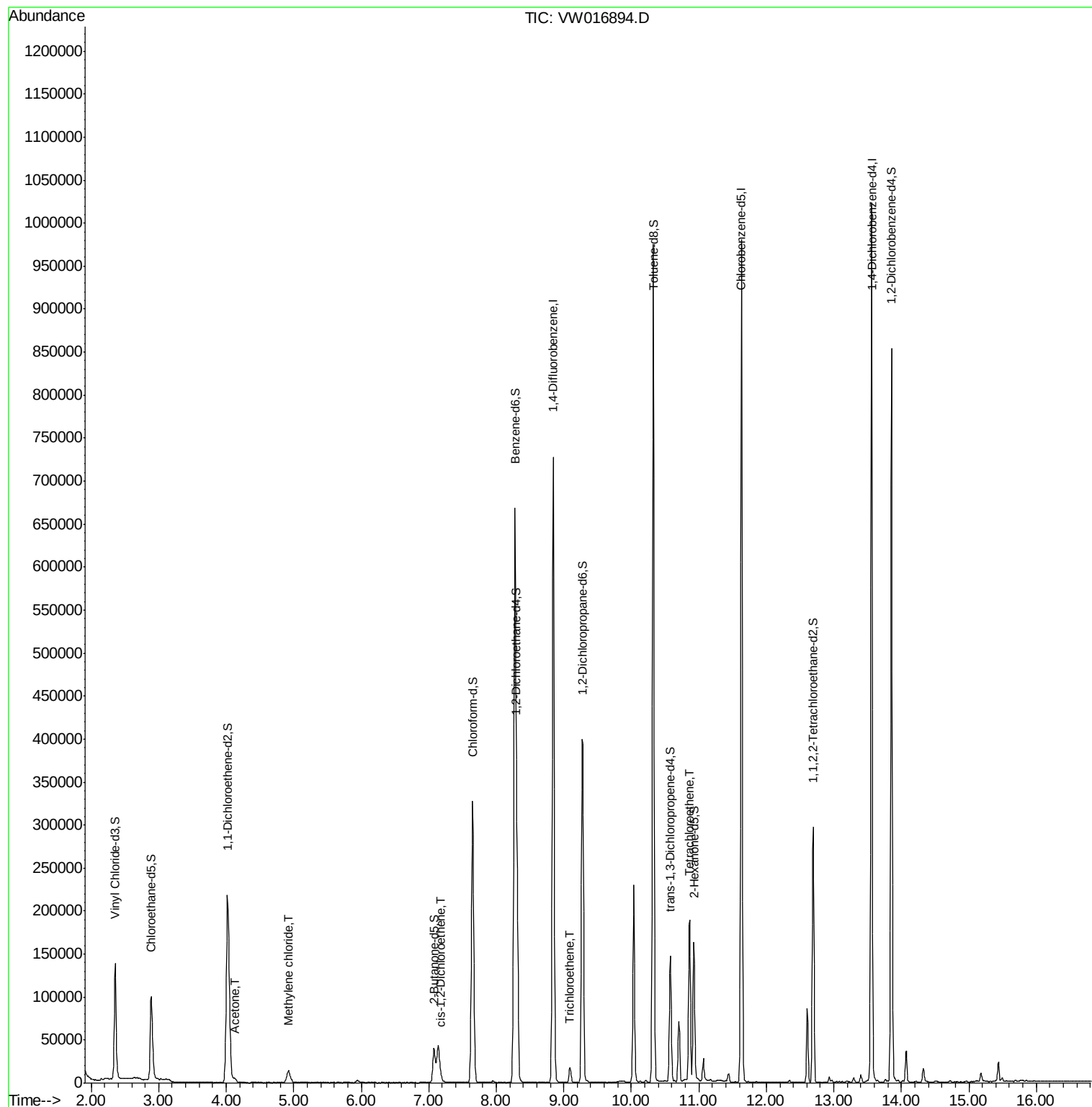
					Ovalue
13) Acetone	4.14	43	7491	6.805 ug/L	67
16) Methylene chloride	4.92	84	13409	1.492 ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	3703	0.413 ug/L	78
35) Trichloroethene	9.10	95	5684	0.639 ug/L	98
47) Tetrachloroethene	10.87	164	46490	5.634 ug/L	93

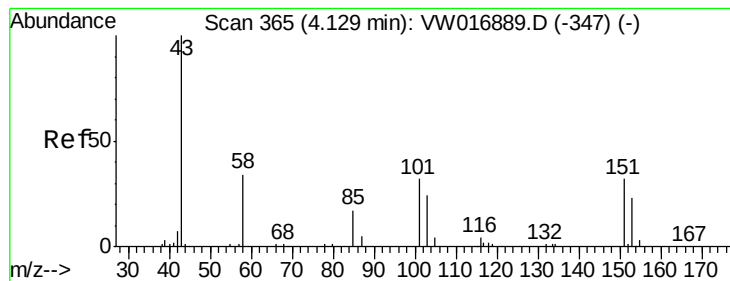
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 14 08:34:08 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.805 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016894.D

Acq: 13 Oct 2020 12:58

Instrument :

MSVOA_W

ClientSampled :

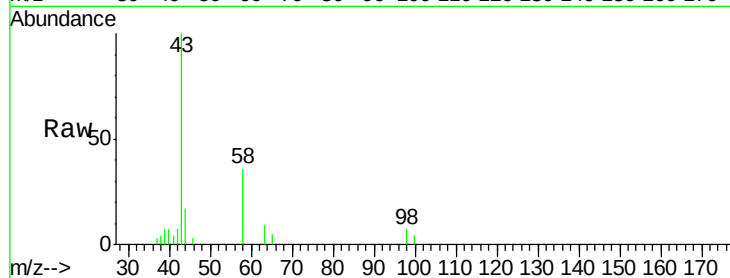
BG3X6

Tot Ion: 43 Resp: 7491

Ion Ratio Lower Upper

43 100

58 15.0 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

1500

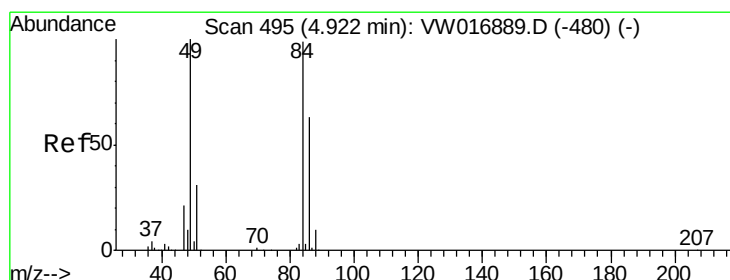
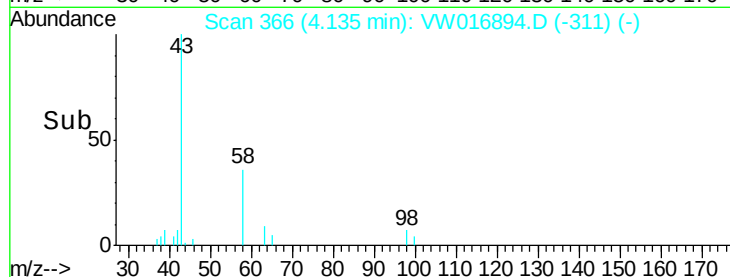
1000

500

0

Time-->

4.05 4.10 4.15 4.20



#16

Methylene chloride

Concen: 1.492 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016894.D

Acq: 13 Oct 2020 12:58

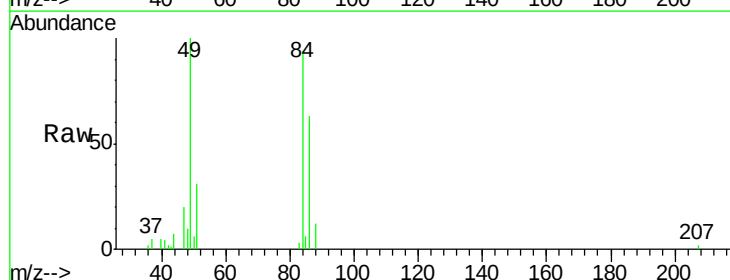
Tgt Ion: 84 Resp: 13409

Ion Ratio Lower Upper

84 100

49 106.3 73.1 135.8

86 67.4 46.0 85.4



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

5000

4000

3000

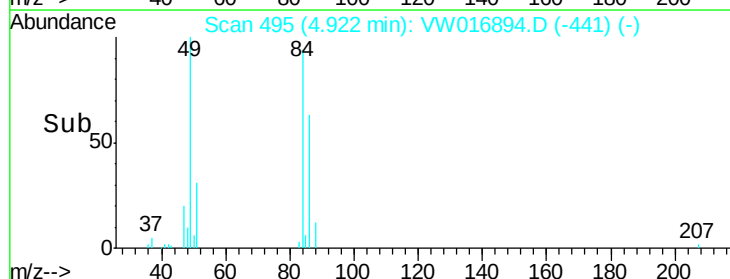
2000

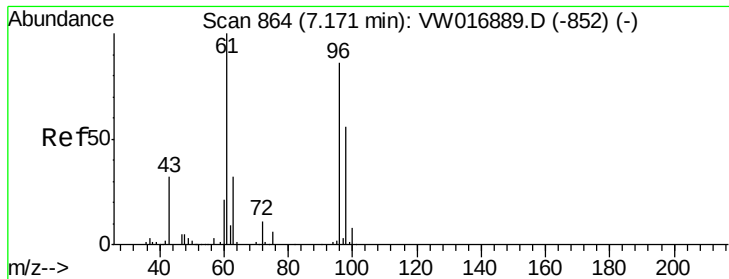
1000

0

Time-->

4.80 4.90 5.00



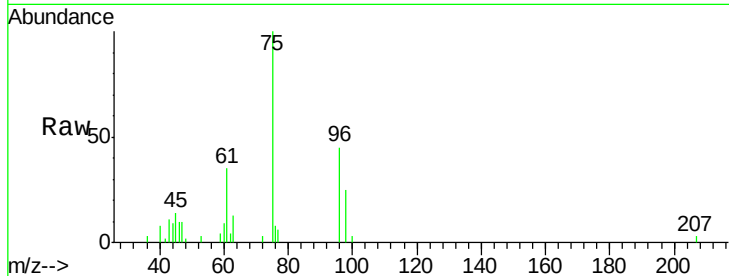


#22

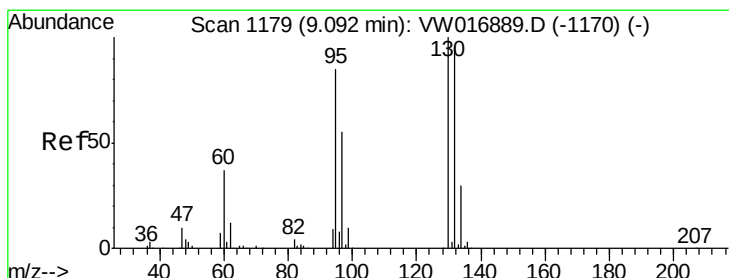
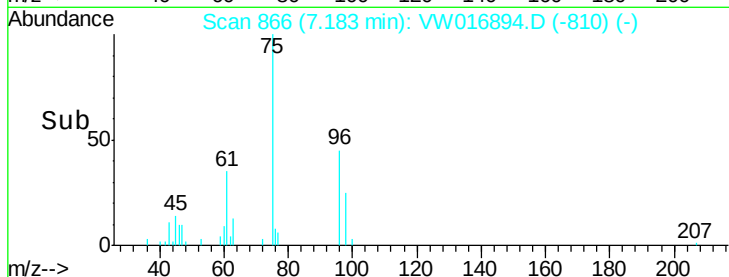
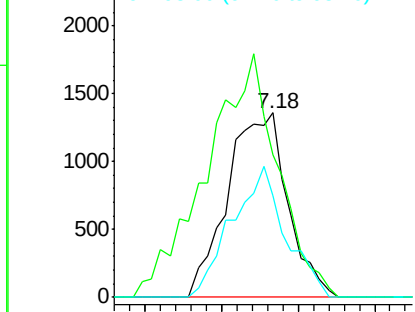
cis-1,2-Dichloroethene
Concen: 0.413 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW016894.D
Acq: 13 Oct 2020 12:58

Instrument :
MSVOA_W
ClientSampleId :
BG3X6

Tot Ion: 96 Resp: 3703
Ion Ratio Lower Upper
96 100
61 77.6 76.0 141.2
98 55.0 42.7 79.3



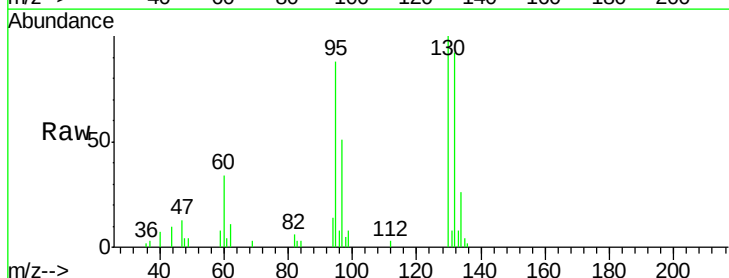
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



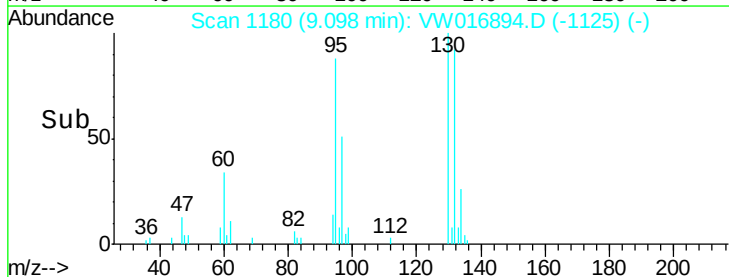
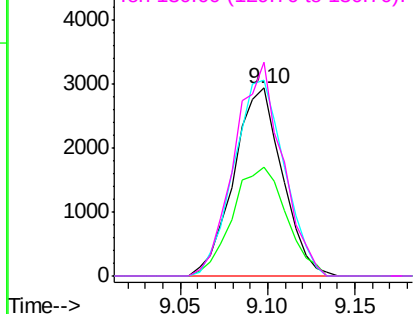
#35

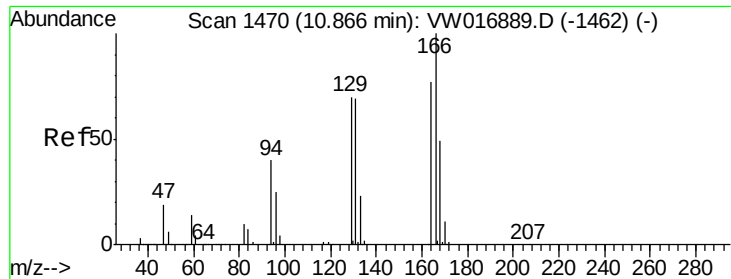
Trichloroethene
Concen: 0.639 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW016894.D
Acq: 13 Oct 2020 12:58

Tgt Ion: 95 Resp: 5684
Ion Ratio Lower Upper
95 100
97 64.1 44.7 83.1
132 108.7 73.8 137.2
130 111.6 77.1 143.3



Abundance Ion 95.00 (94.70 to 95.70): VW
Ion 97.00 (96.70 to 97.70): VW
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V





#47

Tetrachloroethene

Concen: 5.634 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016894.D

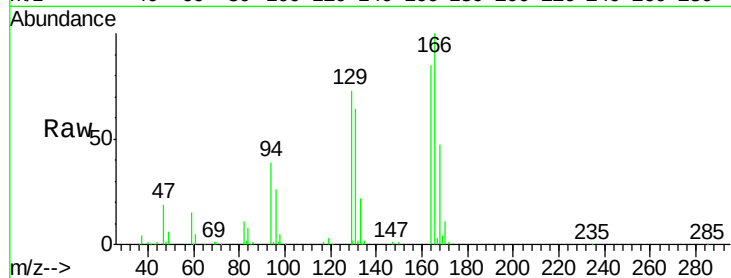
Acq: 13 Oct 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

BG3X6



Tot Ion:164 Resp: 46490

Ion Ratio Lower Upper

164 100

129 86.5 61.7 114.7

131 75.3 59.7 110.9

166 117.7 88.3 164.1

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

