

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017169.D
 Acq On : 11 Nov 2020 17:22
 Operator : SY/VA
 Sample : L4693-21
 Misc : 5.53G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E7

Quant Time: Nov 12 06:00:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 03:07:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	465002	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	423406	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193162	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128442	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
7) Chloroethane-d5	2.89	69	108430	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.02	63	177300	16.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.68%
20) 2-Butanone-d5	7.09	46	39035	29.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.60%
24) Chloroform-d	7.65	84	254003	23.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	8.31	65	119500	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.56%
29) Benzene-d6	8.28	84	512185	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.28	67	135938	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.16%
37) Toluene-d8	10.33	98	486045	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.64%
38) trans-1,3-Dichloropropene-	10.58	79	52349	19.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.88%
39) 2-Hexanone-d5	10.93	63	33070	31.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93879	18.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	160955	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

Target Compounds

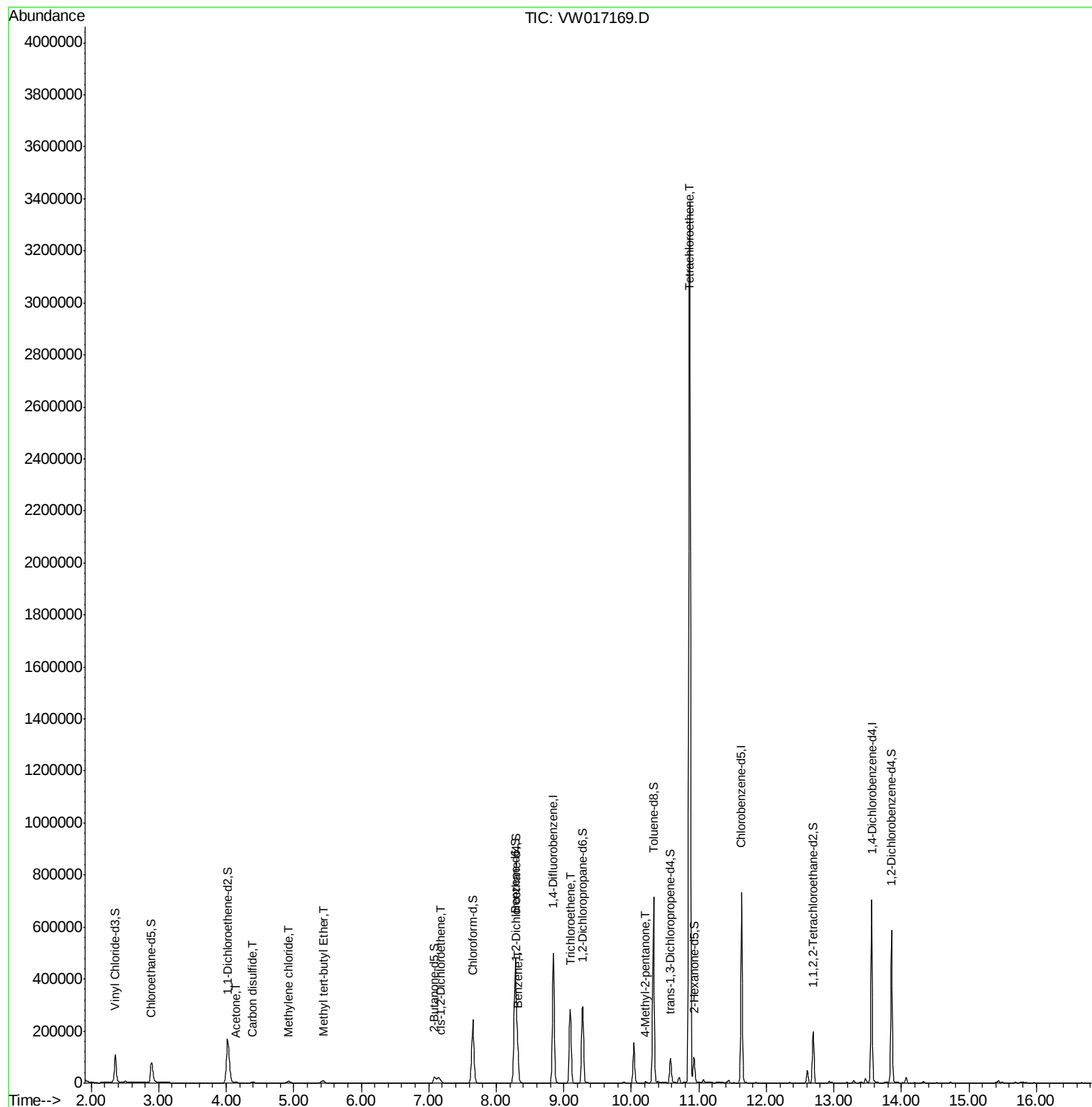
					Ovalue
13) Acetone	4.15	43	5064	5.774	ug/L 77
14) Carbon disulfide	4.38	76	9894	0.630	ug/L 100
16) Methylene chloride	4.92	84	5340	0.852	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	14111	2.002	ug/L 99
22) cis-1,2-Dichloroethene	7.18	96	2798	0.443	ug/L 81
34) Benzene	8.33	78	16335	0.735	ug/L 100
35) Trichloroethene	9.10	95	98872	15.875	ug/L 98
43) 4-Methyl-2-pentanone	10.22	43	3211	1.001	ug/L # 88
47) Tetrachloroethene	10.87	164	806063	143.451	ug/L 91

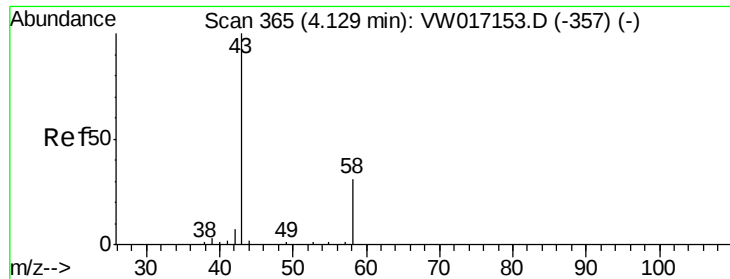
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.774 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

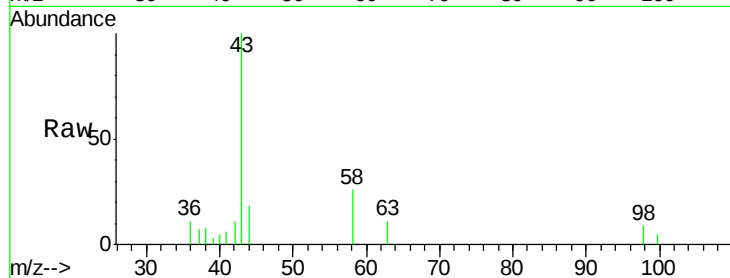
BG4E7

Tot Ion: 43 Resp: 5064

Ion Ratio Lower Upper

43 100

58 21.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

1500

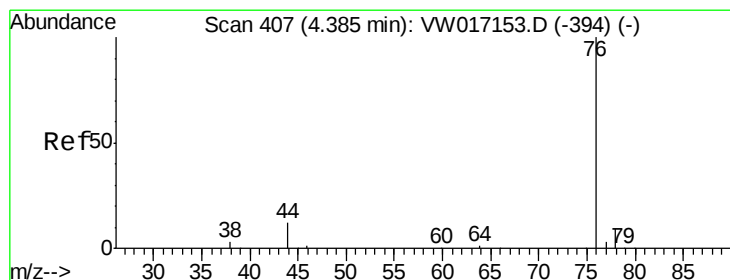
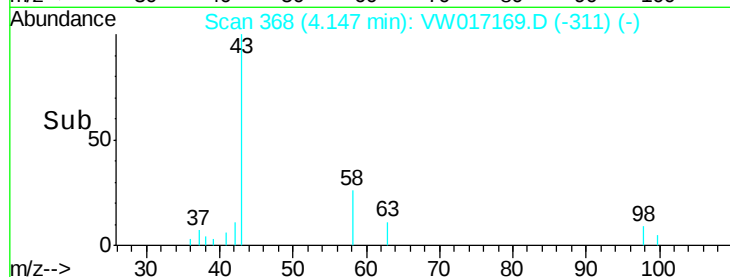
1000

500

0

4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 0.630 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017169.D

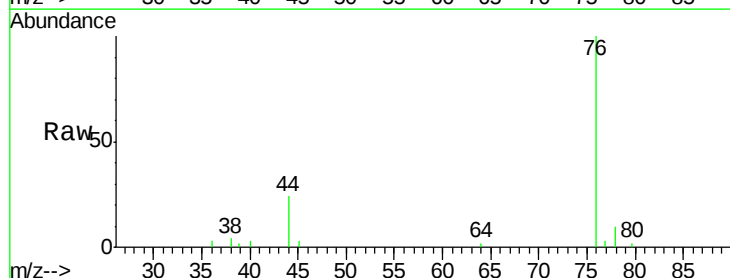
Acq: 11 Nov 2020 17:22

Tgt Ion: 76 Resp: 9894

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

3000

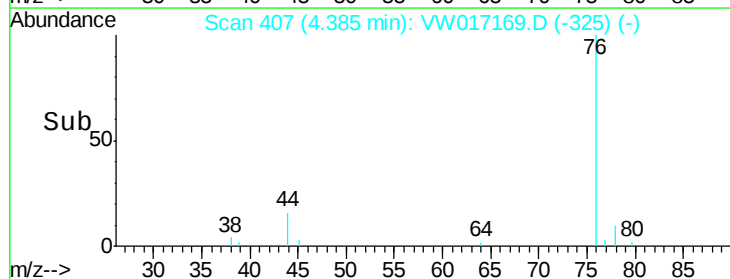
2000

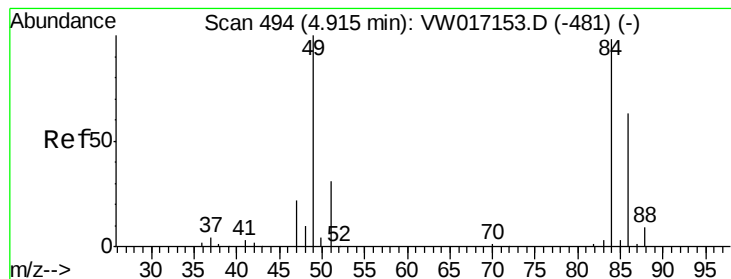
1000

0

4.30 4.35 4.40 4.45 4.50

Time-->





#16

Methylene chloride

Concen: 0.852 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampled :

BG4E7

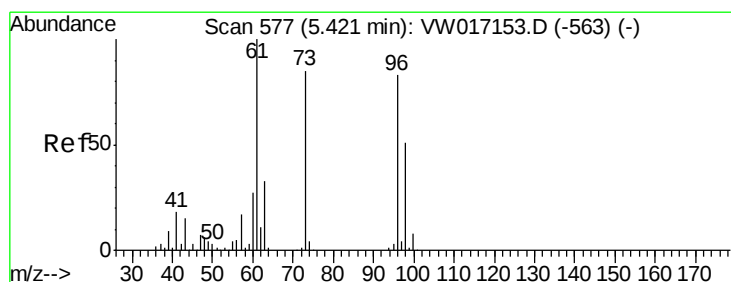
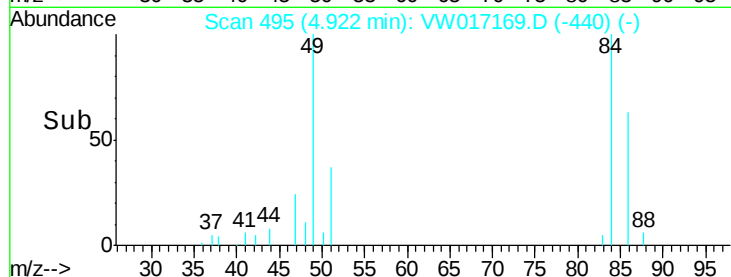
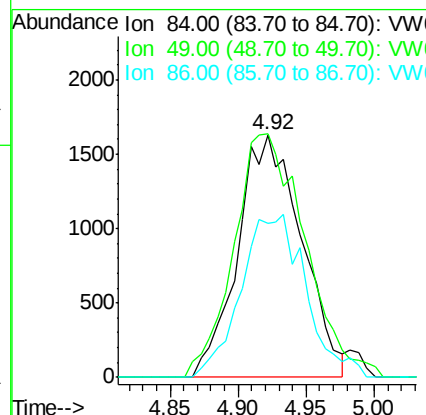
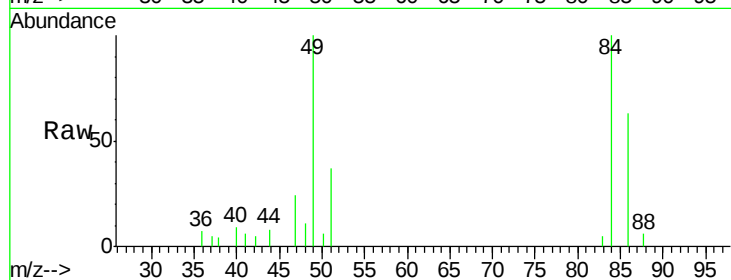
Tot Ion: 84 Resp: 5340

Ion Ratio Lower Upper

84 100

49 100.4 72.3 134.3

86 63.6 45.1 83.7



#17

Methyl tert-butyl Ether

Concen: 2.002 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

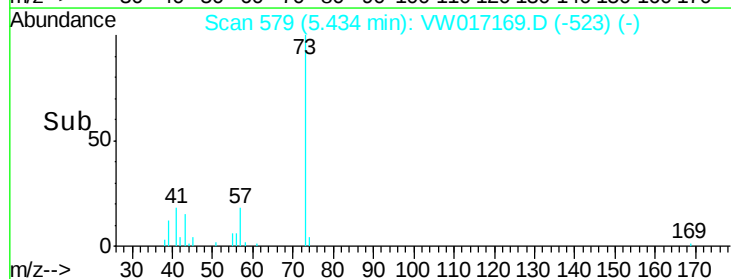
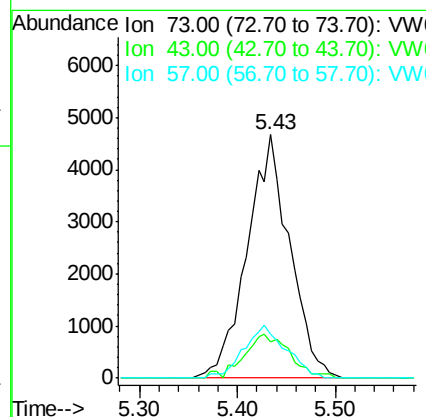
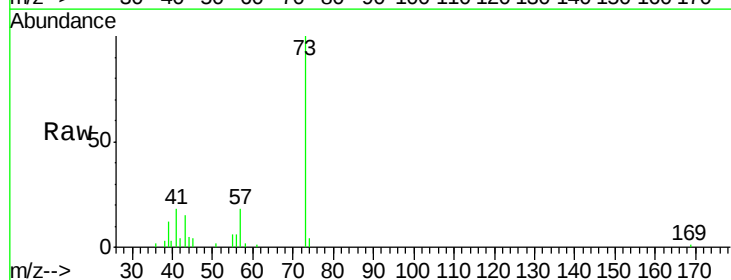
Tgt Ion: 73 Resp: 14111

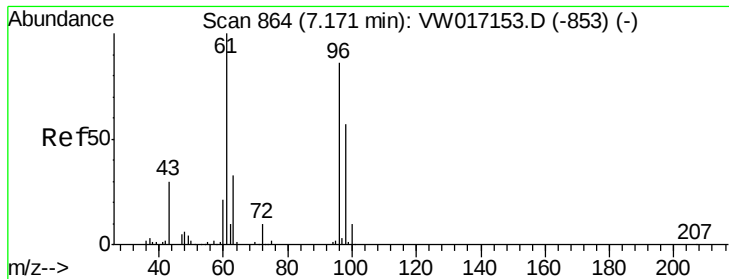
Ion Ratio Lower Upper

73 100

43 18.4 14.5 21.7

57 21.2 16.3 24.5



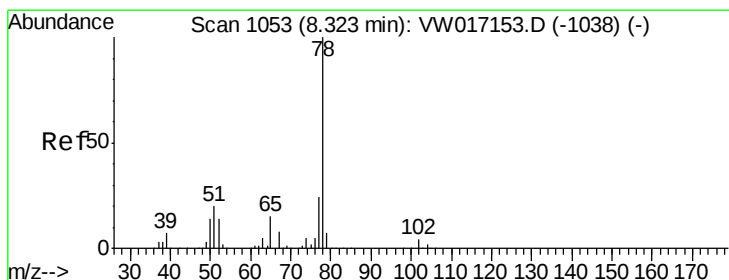
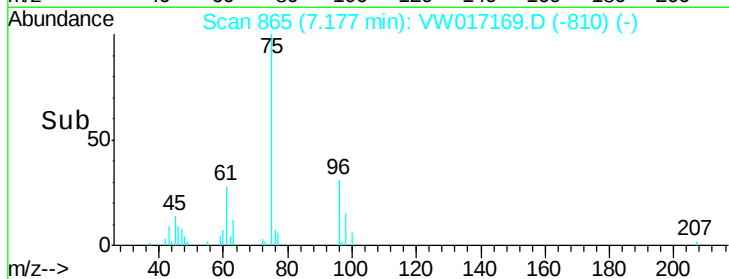
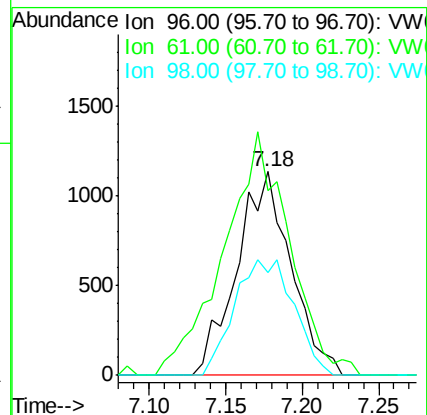
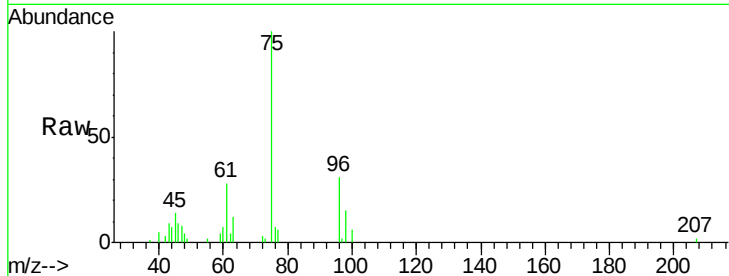


#22

cis-1,2-Dichloroethene
Concen: 0.443 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

Instrument :
MSVOA_W
ClientSampled :
BG4E7

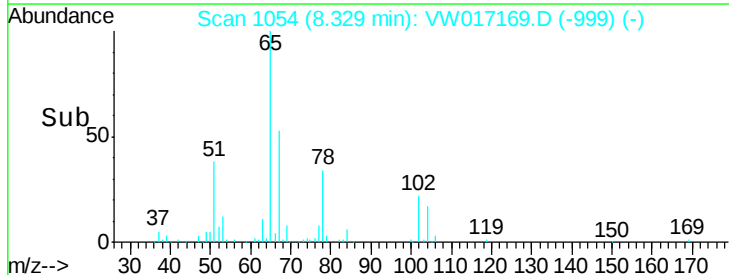
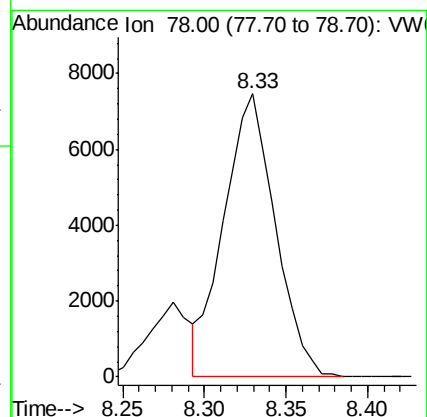
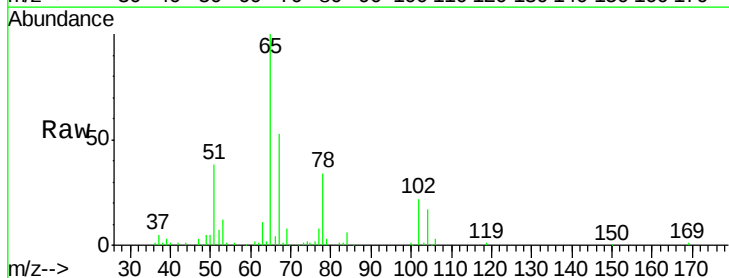
Tot Ion: 96 Resp: 2798
Ion Ratio Lower Upper
96 100
61 90.6 77.4 143.8
98 50.3 45.1 83.7

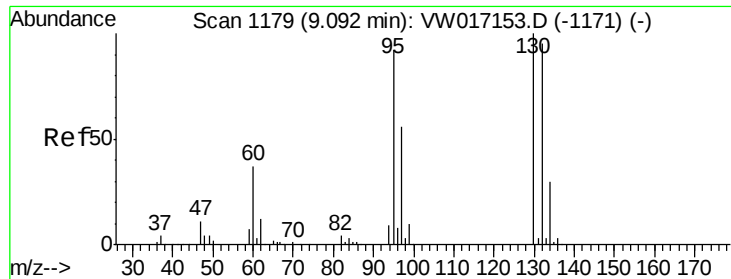


#34

Benzene
Concen: 0.735 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

Tgt Ion: 78 Resp: 16335





#35

Trichloroethene

Concen: 15.875 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

Instrument :

MSVOA_W

ClientSampleId :

BG4E7

Tot Ion: 95 Resp: 98872

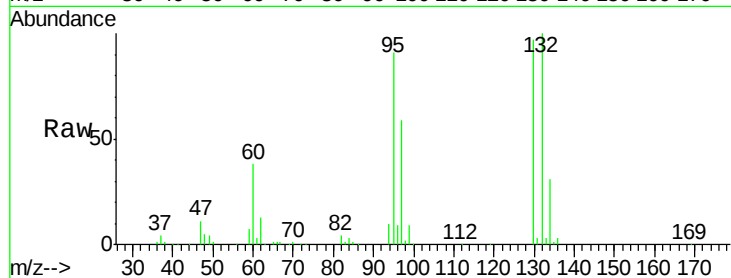
Ion Ratio Lower Upper

95 100

97 64.7 45.0 83.6

132 106.0 73.7 136.9

130 106.4 77.1 143.1

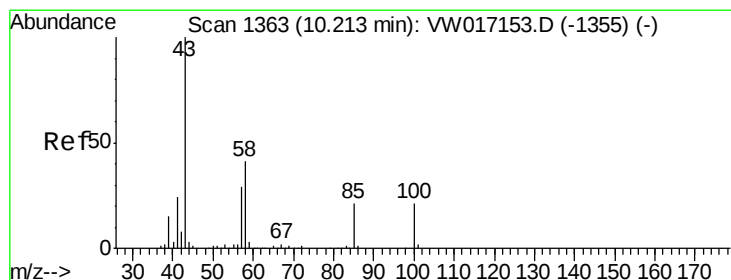
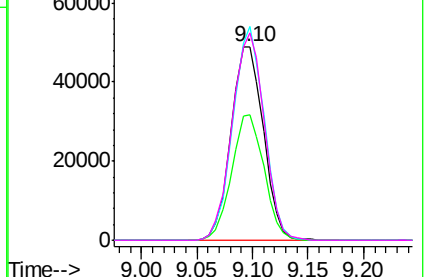
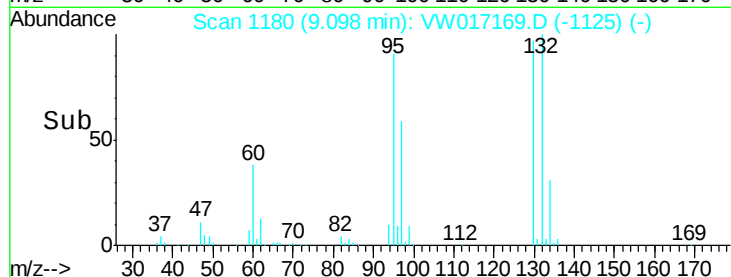


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#43

4-Methyl-2-pentanone

Concen: 1.001 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017169.D

Acq: 11 Nov 2020 17:22

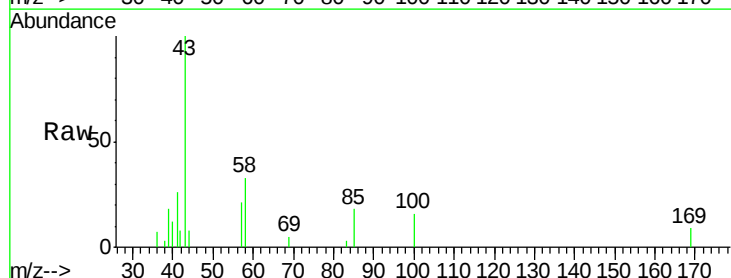
Tgt Ion: 43 Resp: 3211

Ion Ratio Lower Upper

43 100

58 41.5 35.0 52.6

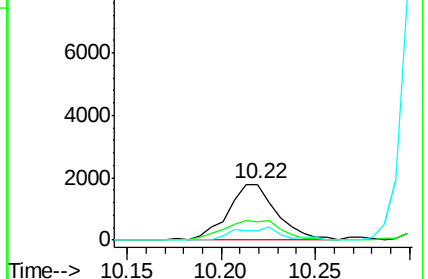
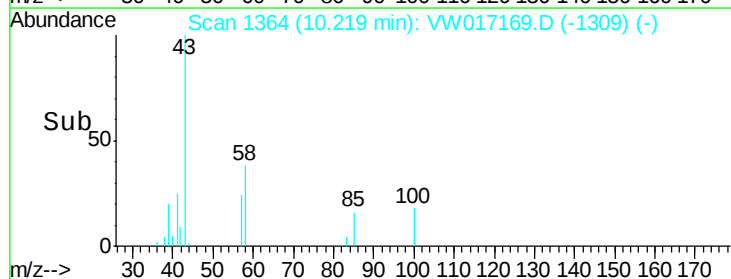
100 7.2 16.6 24.8#

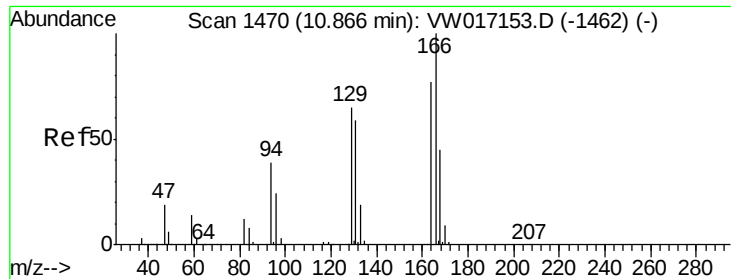


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): V

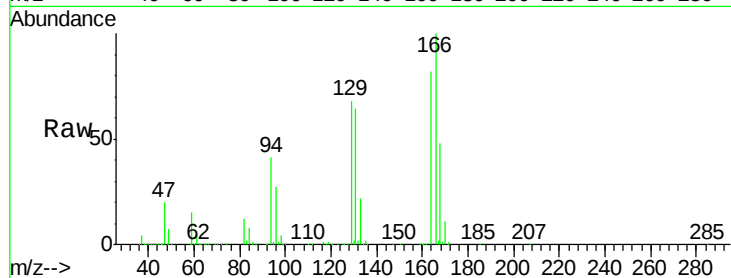




#47
Tetrachloroethene
Concen: 143.451 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017169.D
Acq: 11 Nov 2020 17:22

Instrument :
MSVOA_W
ClientSampleId :
BG4E7

Tot Ion	Ratio	Lower	Upper
164	100		
129	82.6	62.9	116.7
131	78.7	63.3	117.5
166	122.2	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

