

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102620\
 Data File : VW016996.D
 Acq On : 26 Oct 2020 14:11
 Operator : SY/VA
 Sample : L4502-13
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG440

Quant Time: Oct 27 08:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 08:16:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	507504	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	462464	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	200557	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	144336	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.89	69	113394	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
10) 1,1-Dichloroethene-d2	4.02	63	210798	18.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.00%
20) 2-Butanone-d5	7.08	46	64514	58.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.94%
24) Chloroform-d	7.65	84	296743	25.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	8.31	65	148571	26.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.88%
29) Benzene-d6	8.27	84	620931	26.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.56%
33) 1,2-Dichloropropane-d6	9.28	67	172739	26.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.76%
37) Toluene-d8	10.32	98	590636	26.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.64%
38) trans-1,3-Dichloropropene-	10.58	79	71231	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.68%
39) 2-Hexanone-d5	10.93	63	55981	62.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137572	28.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	203488	28.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.48%

Target Compounds

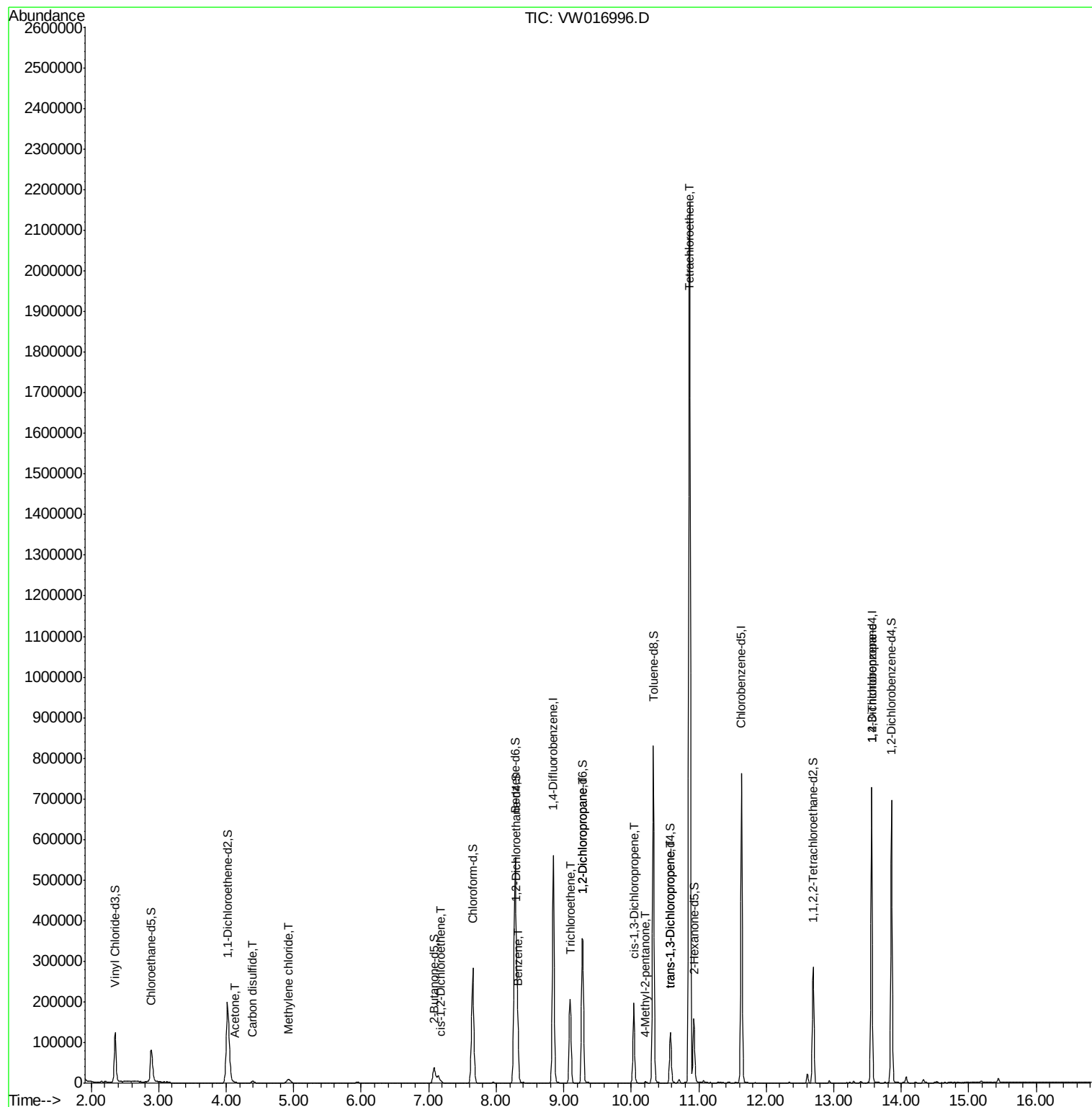
					Ovalue
13) Acetone	4.13	43	701	0.944 ug/L	54
14) Carbon disulfide	4.40	76	8965	0.445 ug/L	96
16) Methylene chloride	4.92	84	4528	0.675 ug/L	95
22) cis-1,2-Dichloroethene	7.18	96	1506	0.214 ug/L	85
34) Benzene	8.33	78	13763	0.539 ug/L	100
35) Trichloroethene	9.10	95	73939	10.450 ug/L	99
40) 1,2-Dichloropropane	9.27	63	18834	3.301 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	4618	0.518 ug/L #	28
43) 4-Methyl-2-pentanone	10.21	43	2103	0.778 ug/L #	93
45) trans-1,3-Dichloropropene	10.58	75	3204	0.434 ug/L #	73
47) Tetrachloroethene	10.87	164	525814	80.787 ug/L	93
59) 1,2,3-Trichloropropane	13.56	75	20550	5.858 ug/L	92

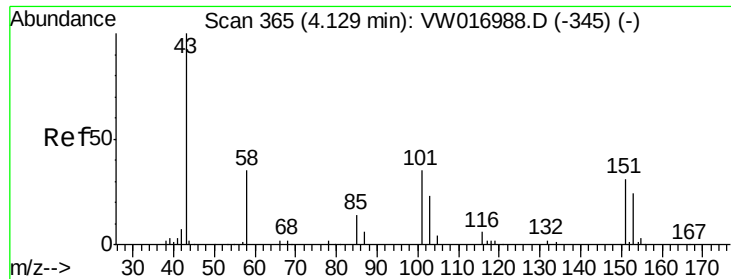
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 0.944 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW016996.D

Acq: 26 Oct 2020 14:11

Instrument :

MSVOA_W

ClientSampled :

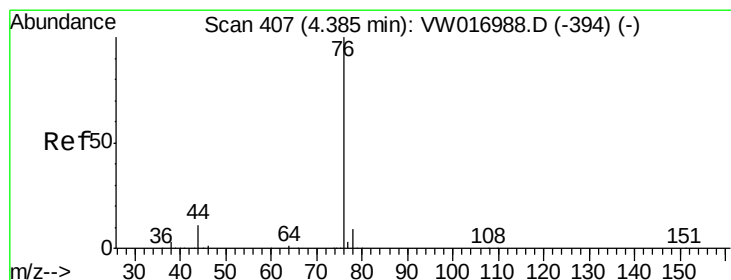
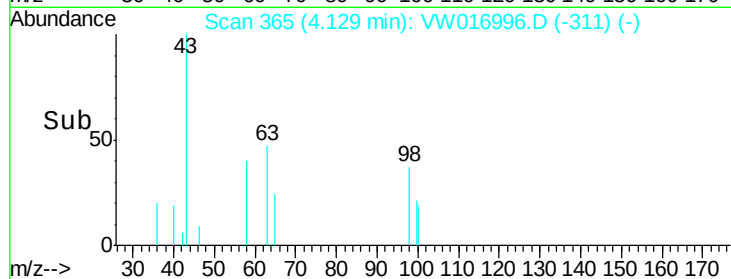
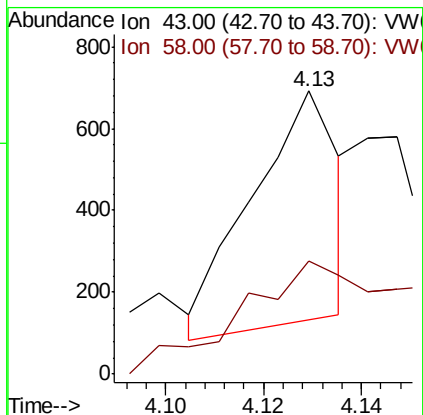
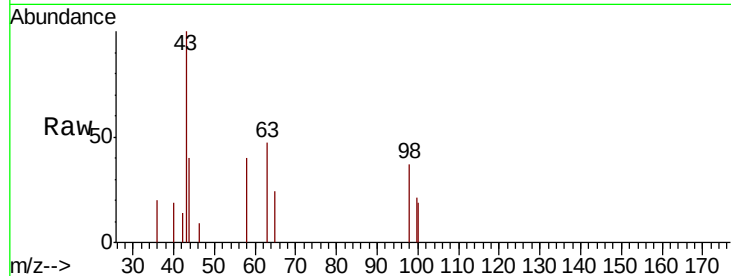
BG440

Tot Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

58 61.5 0.0 69.8



#14

Carbon disulfide

Concen: 0.445 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016996.D

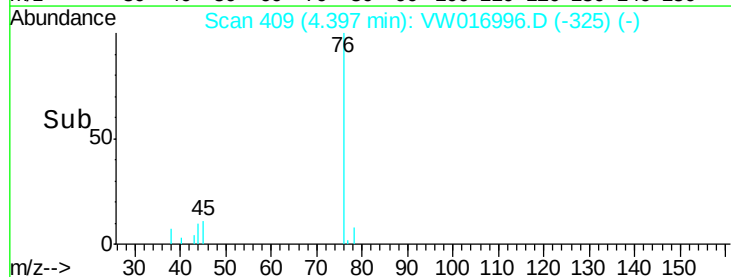
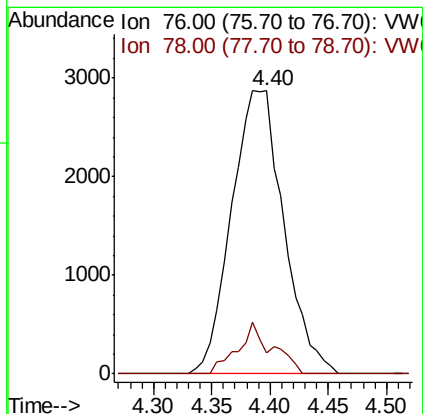
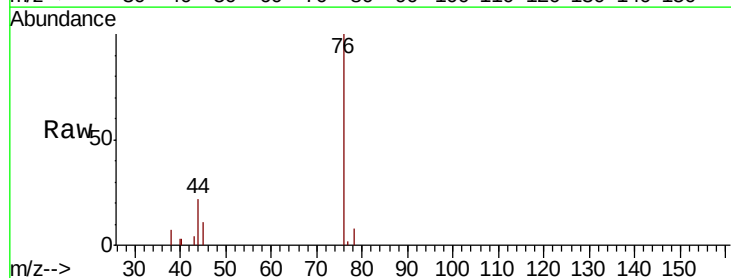
Acq: 26 Oct 2020 14:11

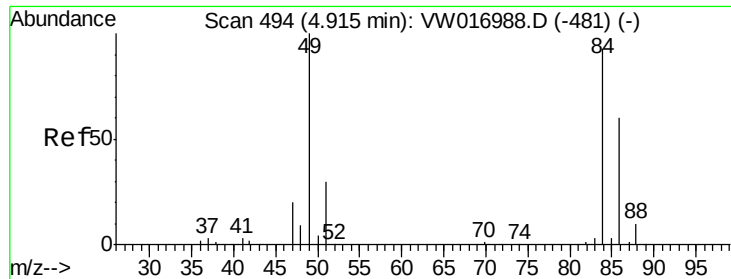
Tgt Ion: 76 Resp: 8965

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9

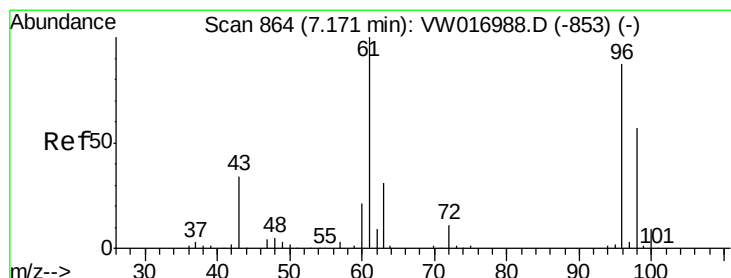
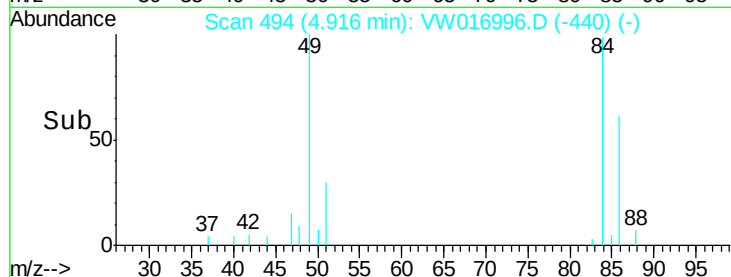
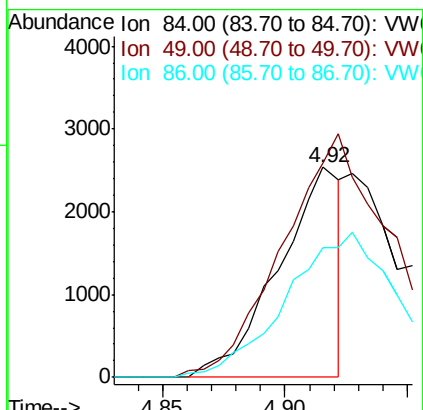
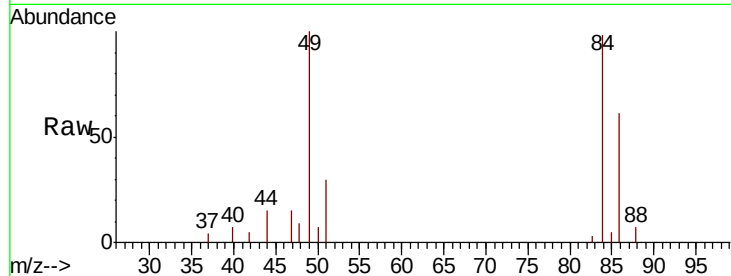




#16
Methylene chloride
Concen: 0.675 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016996.D
Acq: 26 Oct 2020 14:11

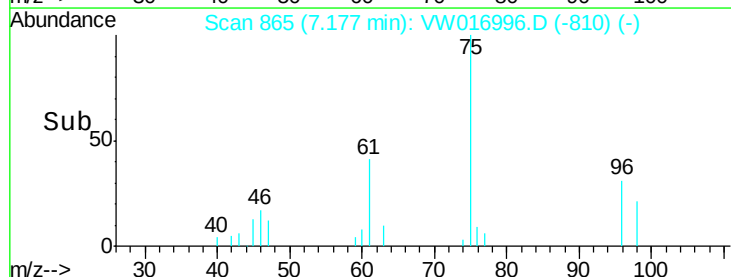
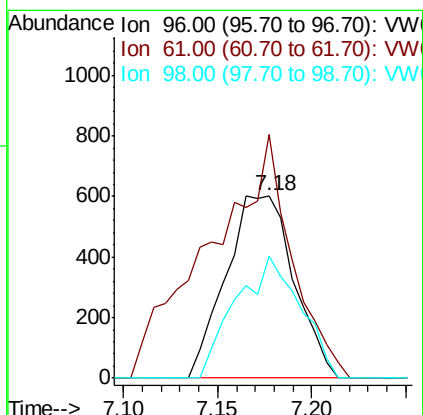
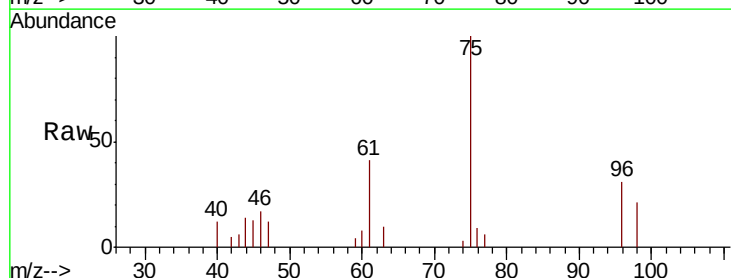
Instrument :
MSVOA_W
ClientSampled :
BG440

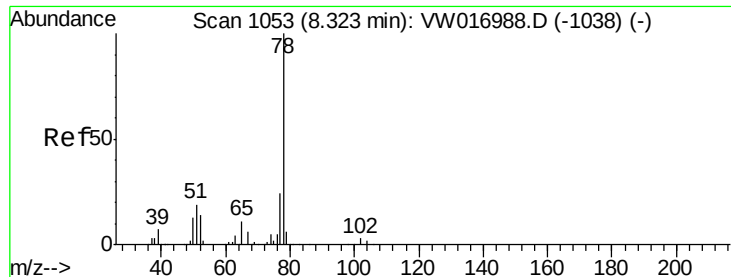
Tot Ion: 84 Resp: 4528
Ion Ratio Lower Upper
84 100
49 102.1 73.8 137.0
86 62.0 47.4 88.0



#22
cis-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016996.D
Acq: 26 Oct 2020 14:11

Tgt Ion: 96 Resp: 1506
Ion Ratio Lower Upper
96 100
61 133.3 77.4 143.8
98 67.2 44.4 82.5





#34

Benzene

Concen: 0.539 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW016996.D

Acq: 26 Oct 2020 14:11

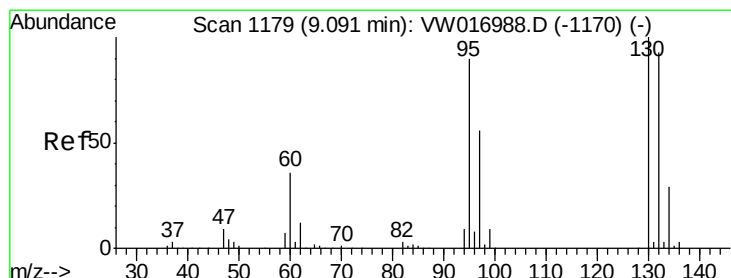
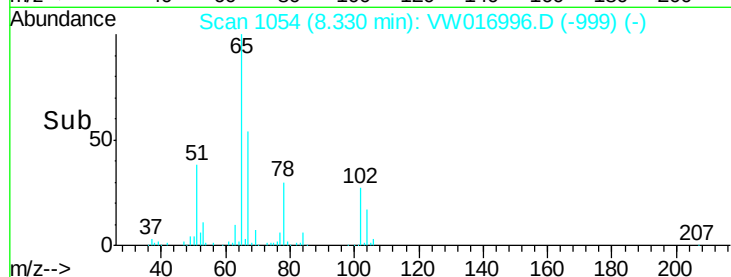
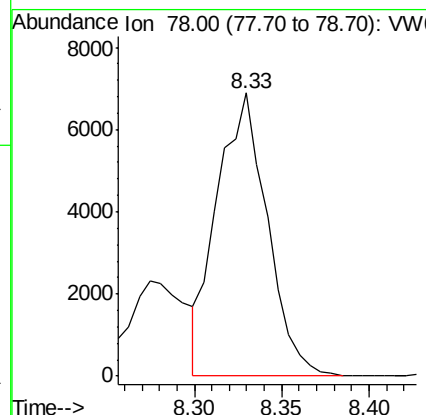
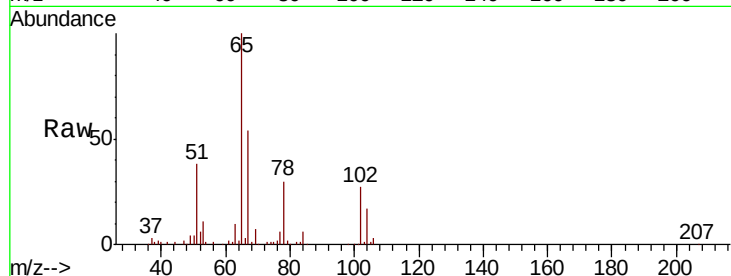
Instrument :

MSVOA_W

ClientSampled :

BG440

Tgt Ion: 78 Resp: 13763



#35

Trichloroethene

Concen: 10.450 ug/L

RT: 9.10 min Scan# 1180

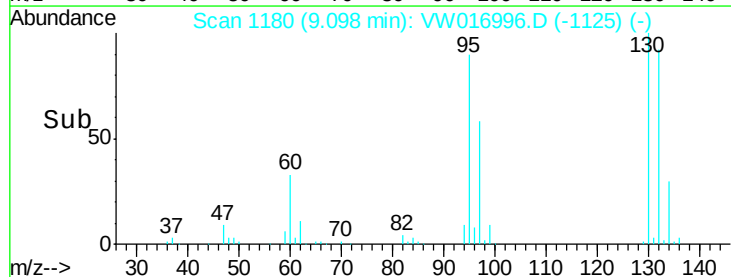
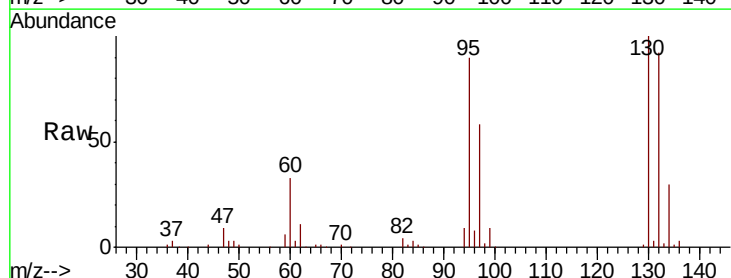
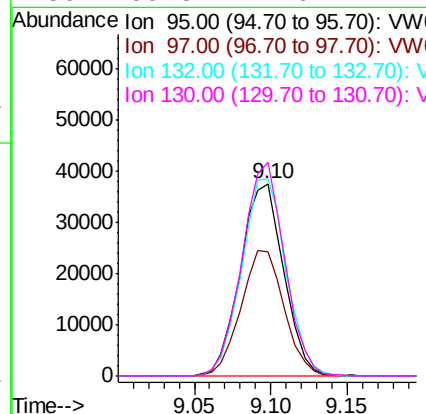
Delta R.T. 0.01 min

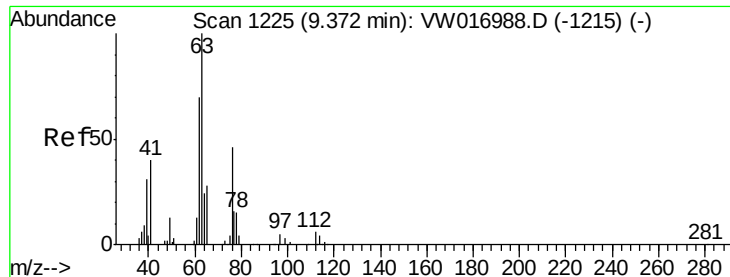
Lab File: VW016996.D

Acq: 26 Oct 2020 14:11

Tgt Ion: 95 Resp: 73939

Ion	Ratio	Lower	Upper
95	100		
97	65.4	46.0	85.4
132	105.4	73.9	137.3
130	109.8	77.6	144.2





#40

1,2-Dichloropropane

Concen: 3.301 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016996.D

Acq: 26 Oct 2020 14:11

Instrument :

MSVOA_W

ClientSampled :

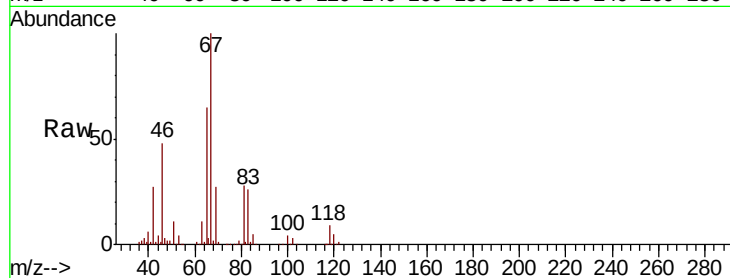
BG440

Tot Ion: 63 Resp: 18834

Ion Ratio Lower Upper

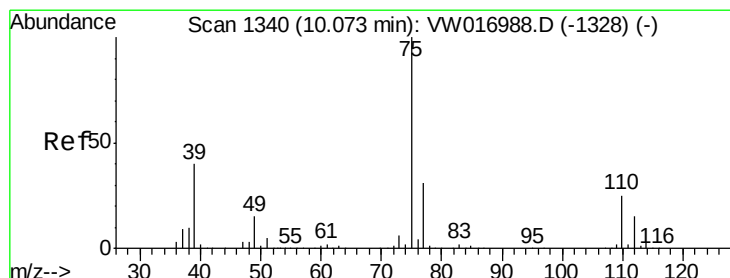
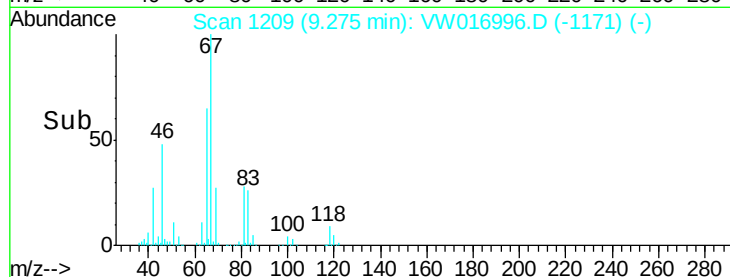
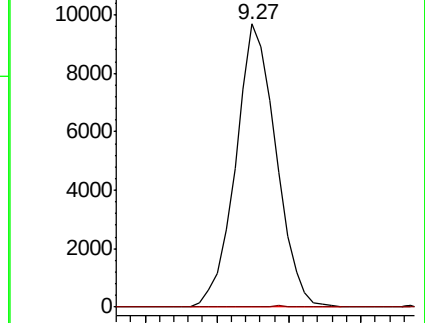
63 100

112 0.0 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016996.D

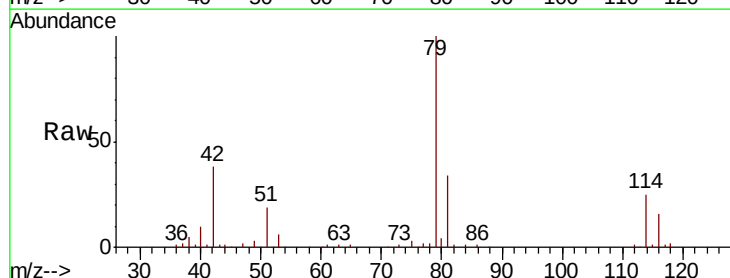
Acq: 26 Oct 2020 14:11

Tgt Ion: 75 Resp: 4618

Ion Ratio Lower Upper

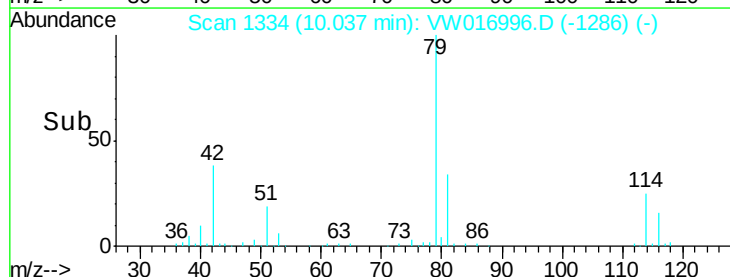
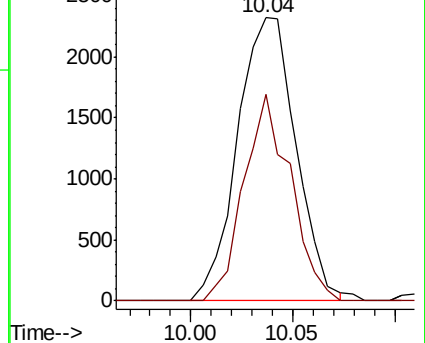
75 100

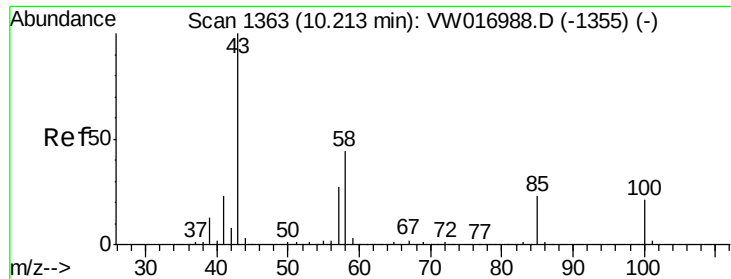
77 72.8 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

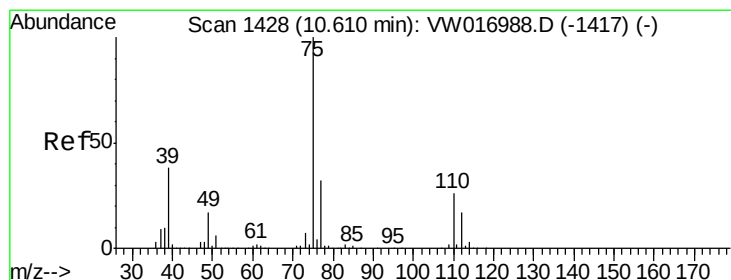
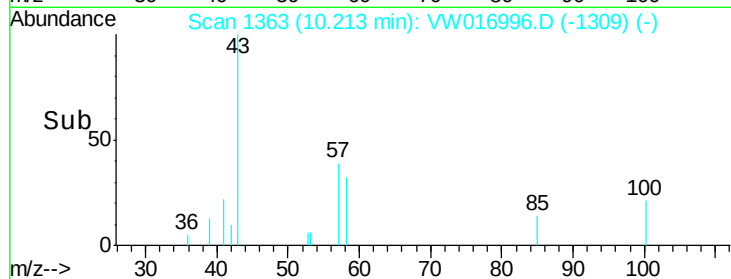
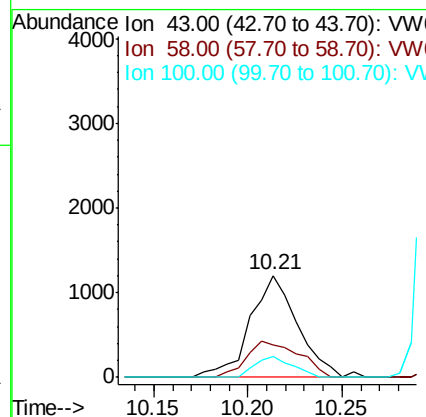
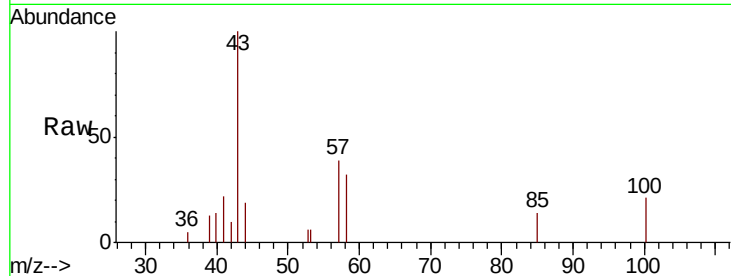




#43
4-Methyl-2-pentanone
Concen: 0.778 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW016996.D
Acq: 26 Oct 2020 14:11

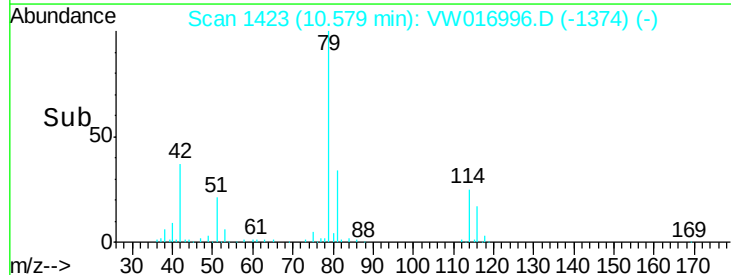
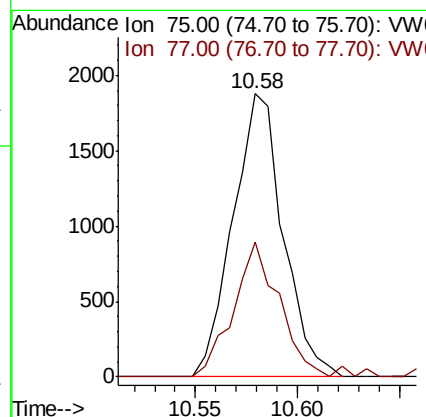
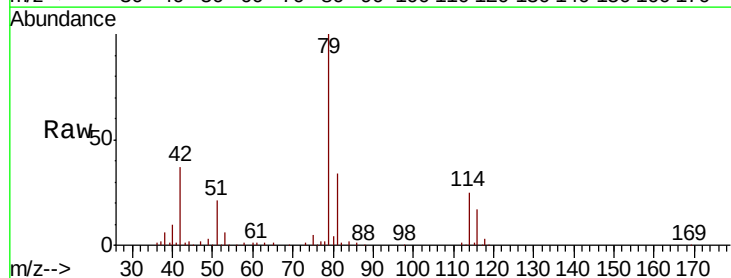
Instrument :
MSVOA_W
ClientSampled :
BG440

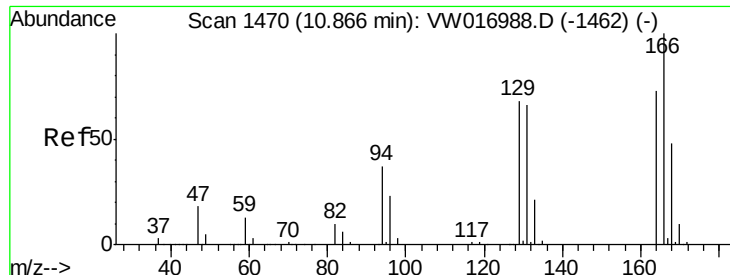
Tot Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
58 39.4 34.4 51.6
100 16.1 16.2 24.2#



#45
trans-1,3-Dichloropropene
Concen: 0.434 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW016996.D
Acq: 26 Oct 2020 14:11

Tgt Ion: 75 Resp: 3204
Ion Ratio Lower Upper
75 100
77 47.8 22.7 42.3#





#47

Tetrachloroethene

Concen: 80.787 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016996.D

Acq: 26 Oct 2020 14:11

Instrument :

MSVOA_W

ClientSampleId :

BG440

Tot Ion:164 Resp: 525814

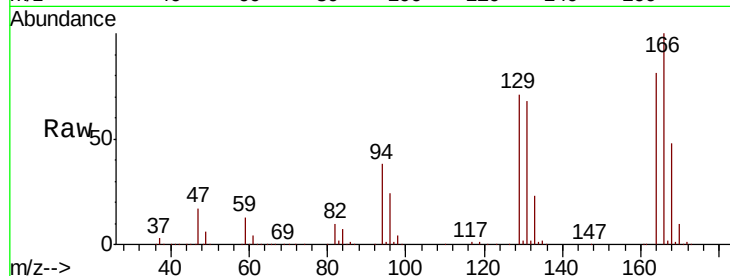
Ion Ratio Lower Upper

164 100

129 88.1 64.0 119.0

131 83.4 61.7 114.5

166 123.5 94.6 175.8

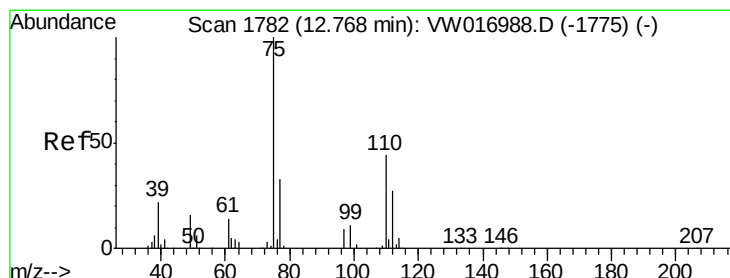
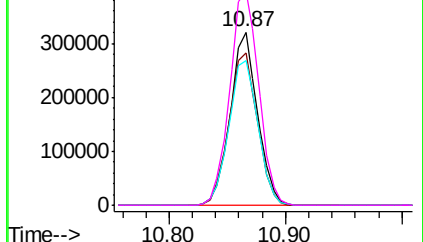
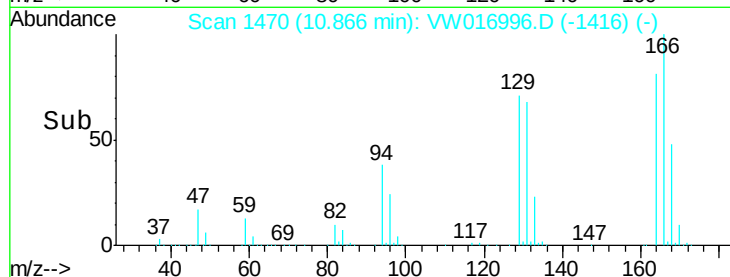


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.858 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016996.D

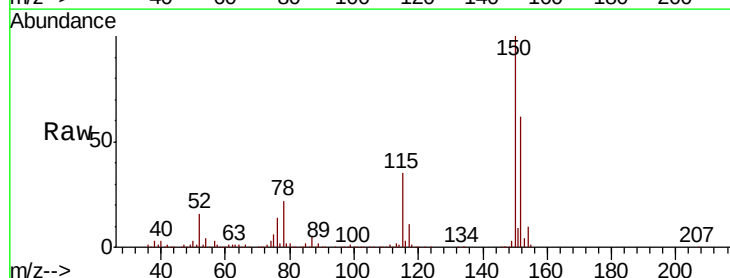
Acq: 26 Oct 2020 14:11

Tgt Ion: 75 Resp: 20550

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

