

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017081.D
 Acq On : 04 Nov 2020 18:50
 Operator : SY/VA
 Sample : L4615-05
 Misc : 5.51G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG477

Quant Time: Nov 05 06:31:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 16:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	554507	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	481389	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	226168	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	142662	20.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.72%
7) Chloroethane-d5	2.89	69	106520	19.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.16%
10) 1,1-Dichloroethene-d2	4.02	63	203925	16.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.28%
20) 2-Butanone-d5	7.08	46	53838	34.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.94%
24) Chloroform-d	7.65	84	264872	20.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.84%
26) 1,2-Dichloroethane-d4	8.31	65	131040	20.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.44%
29) Benzene-d6	8.27	84	552225	22.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.12%
33) 1,2-Dichloropropane-d6	9.27	67	152203	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.80%
37) Toluene-d8	10.32	98	523958	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.68%
38) trans-1,3-Dichloropropene-	10.58	79	61483	20.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.44%
39) 2-Hexanone-d5	10.93	63	43385	36.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	112491	19.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	176021	22.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.36%

Target Compounds

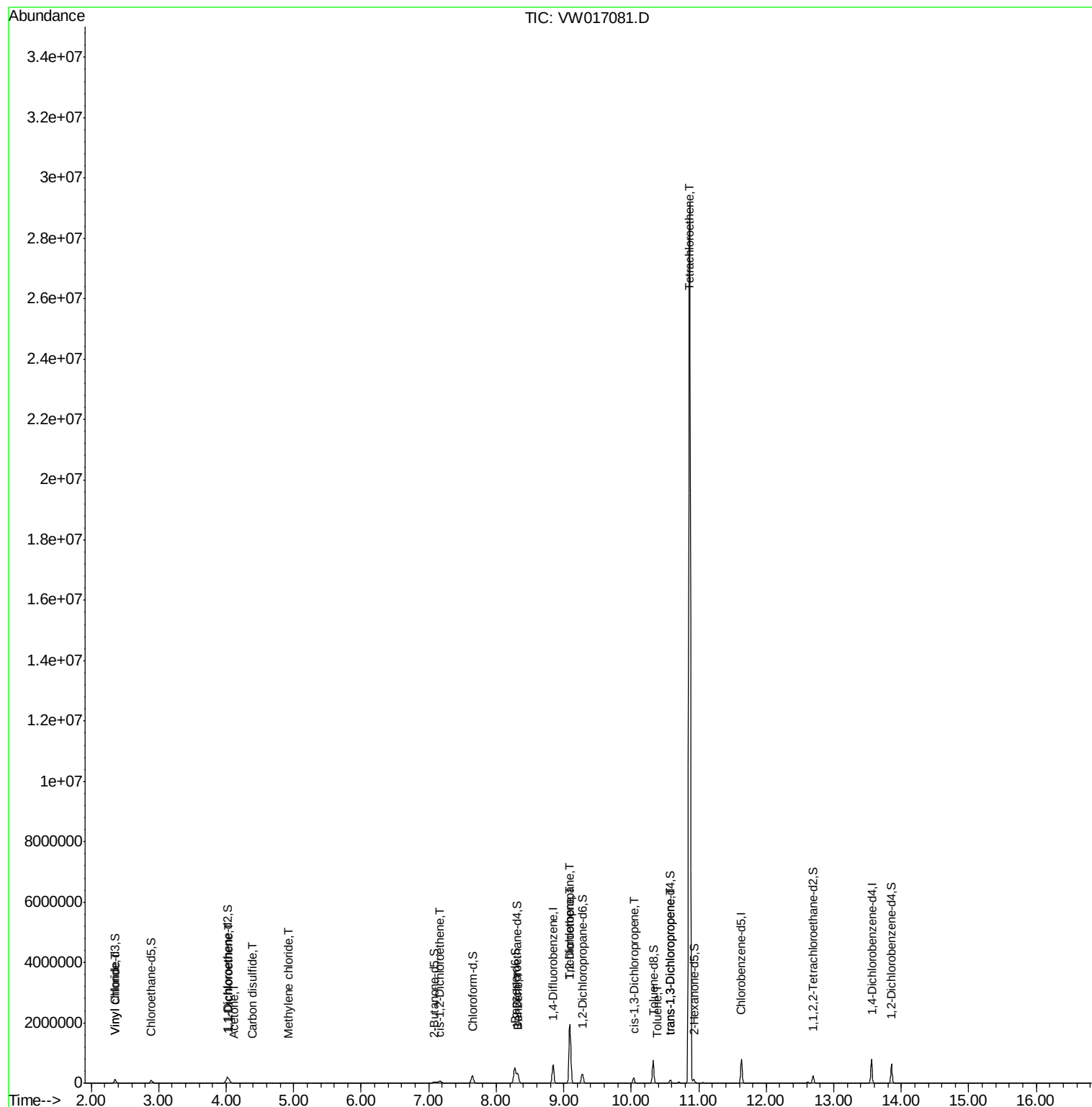
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	2092	0.282	ug/L #	1
12) 1,1-Dichloroethene	4.04	96	21686	3.151	ug/L #	1
13) Acetone	4.12	43	9185	8.783	ug/L	73
14) Carbon disulfide	4.38	76	11458	0.612	ug/L	99
16) Methylene chloride	4.92	84	7642	1.022	ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	38526	5.115	ug/L	98
34) Benzene	8.32	78	221532	8.764	ug/L	100
35) Trichloroethene	9.09	95	674104	95.201	ug/L	100
40) 1,2-Dichloropropane	9.09	63	2103	0.356	ug/L	98
42) cis-1,3-Dichloropropene	10.03	75	4635	0.495	ug/L #	53
44) Toluene	10.38	91	9849	0.354	ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2850	0.355	ug/L	96
47) Tetrachloroethene	10.87	164	7248248	1134.562	ug/L	94

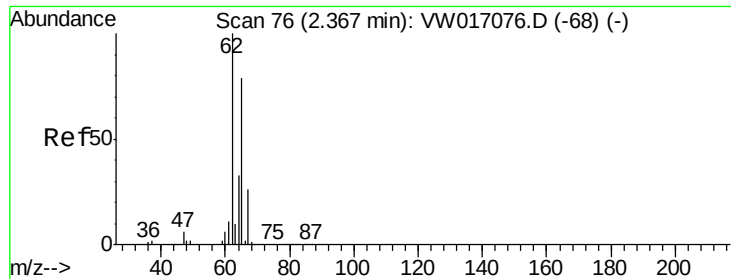
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.282 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

Instrument :

MSVOA_W

ClientSampled :

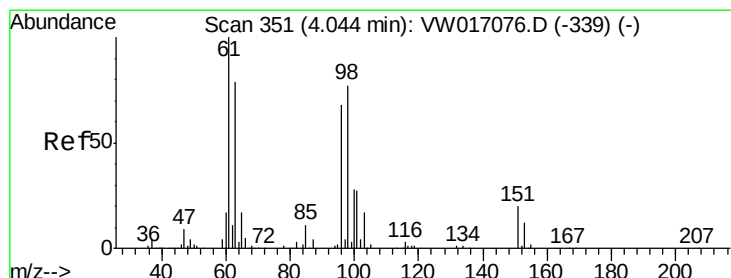
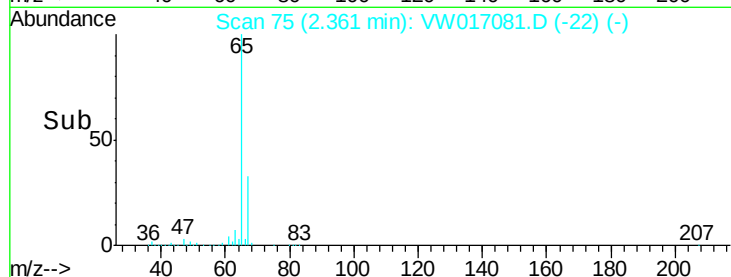
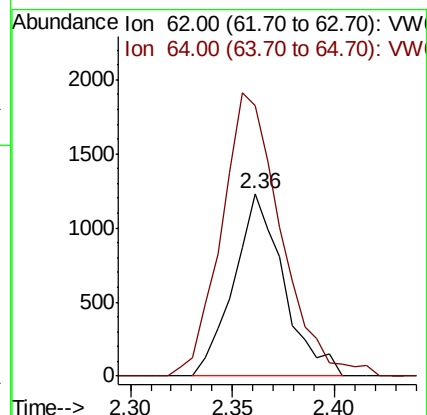
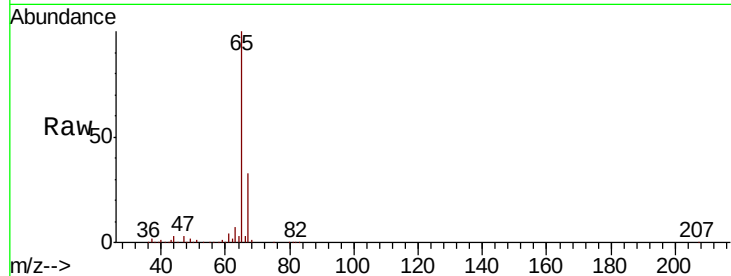
BG477

Tot Ion: 62 Resp: 2092

Ion Ratio Lower Upper

62 100

64 148.3 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 3.151 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

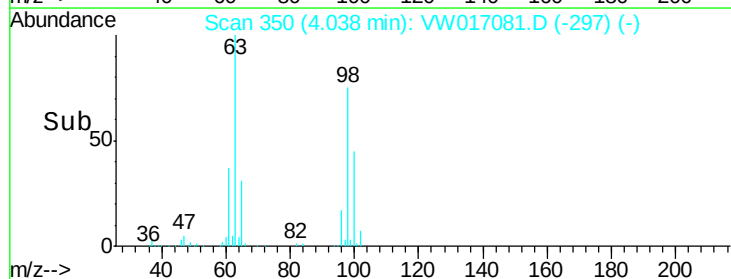
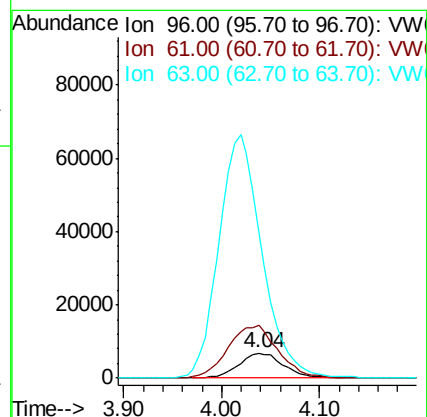
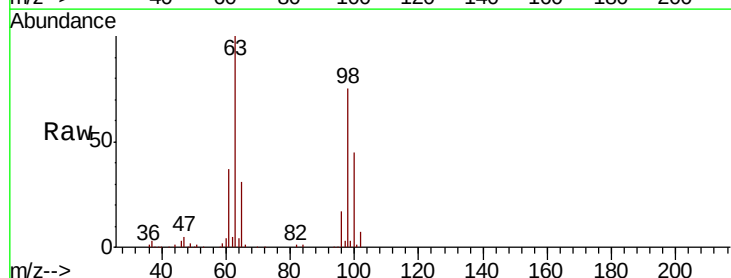
Tgt Ion: 96 Resp: 21686

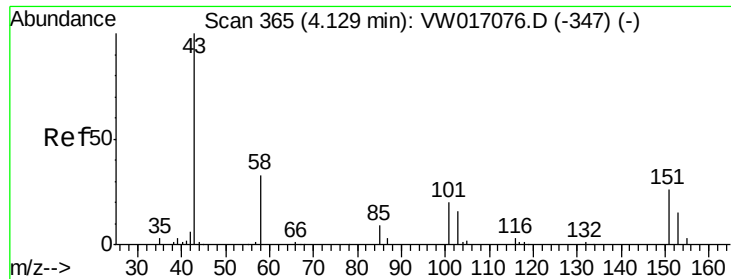
Ion Ratio Lower Upper

96 100

61 211.1 103.8 192.8#

63 572.4 84.4 156.7#





#13

Acetone

Concen: 8.783 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

Instrument :

MSVOA_W

ClientSampleId :

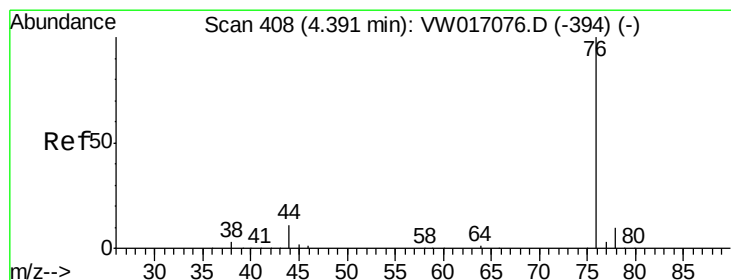
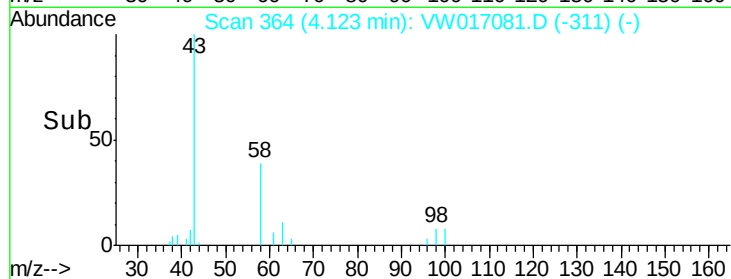
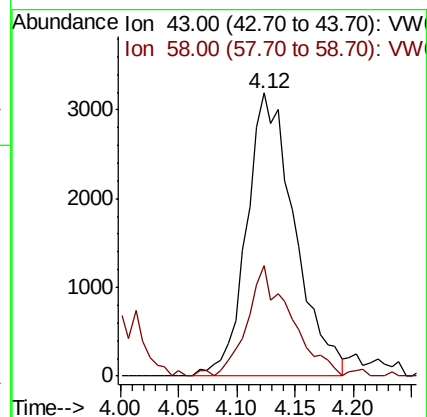
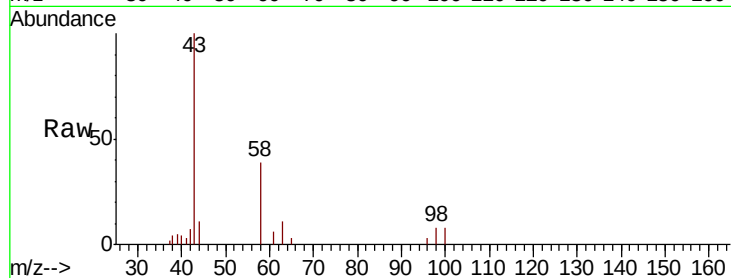
BG477

Tot Ion: 43 Resp: 9185

Ion Ratio Lower Upper

43 100

58 19.2 0.0 69.2



#14

Carbon disulfide

Concen: 0.612 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW017081.D

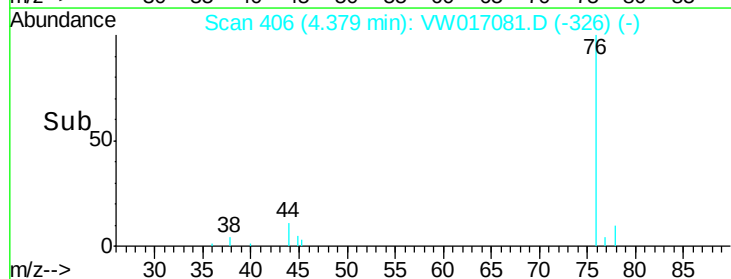
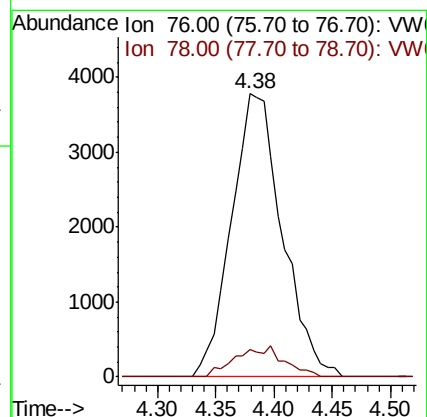
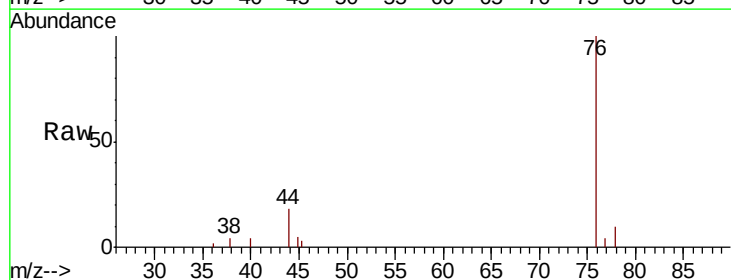
Acq: 04 Nov 2020 18:50

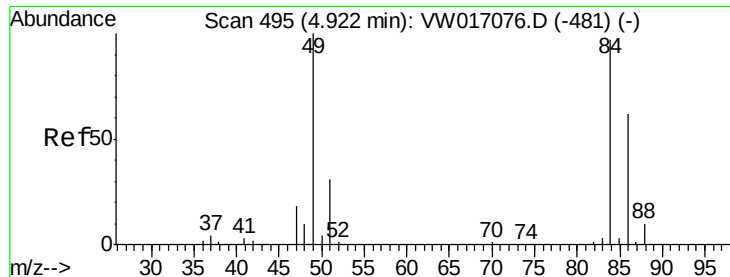
Tgt Ion: 76 Resp: 11458

Ion Ratio Lower Upper

76 100

78 9.8 7.6 11.4

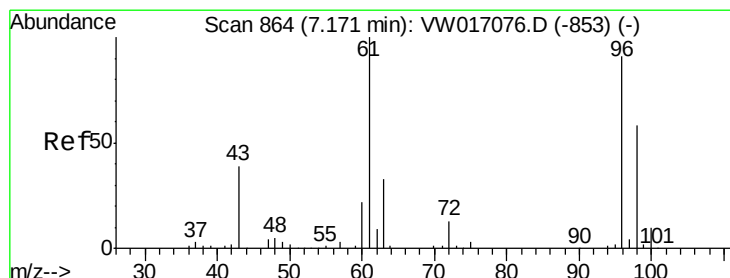
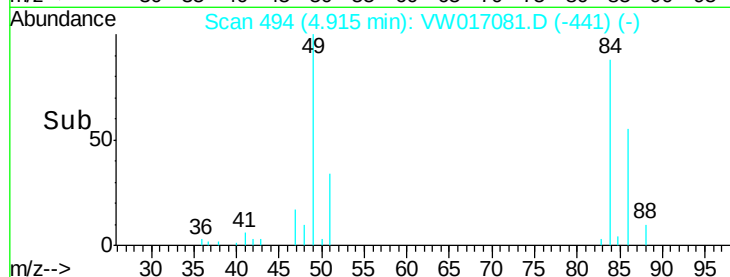
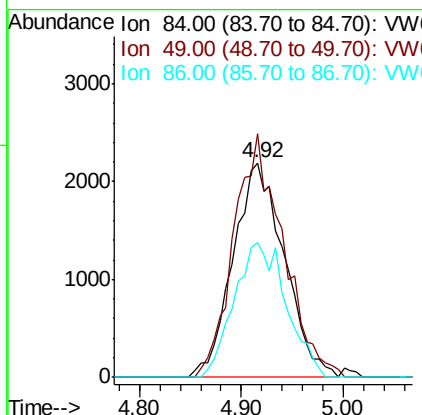
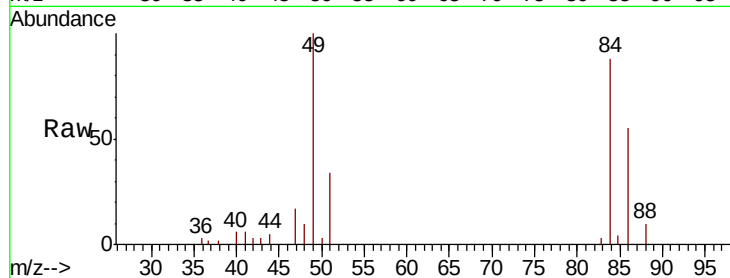




#16
Methylene chloride
Concen: 1.022 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017081.D
Acq: 04 Nov 2020 18:50

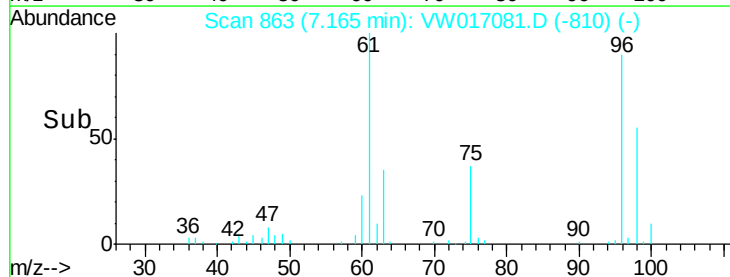
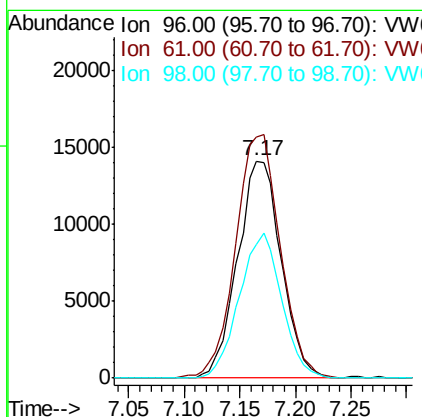
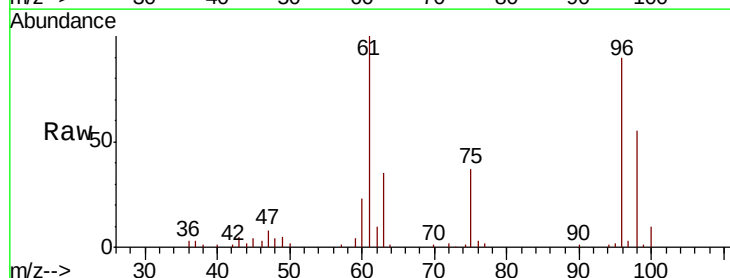
Instrument :
MSVOA_W
ClientSampled :
BG477

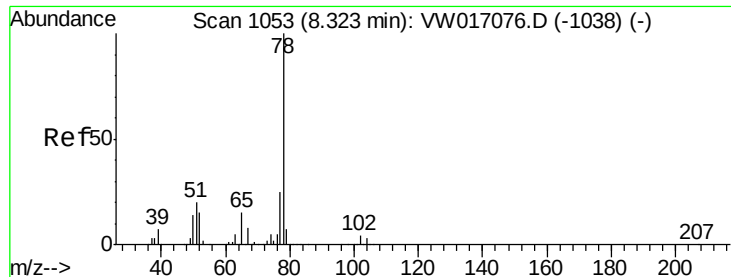
Tot Ion: 84 Resp: 7642
Ion Ratio Lower Upper
84 100
49 113.6 72.3 134.3
86 62.9 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 5.115 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW017081.D
Acq: 04 Nov 2020 18:50

Tgt Ion: 96 Resp: 38526
Ion Ratio Lower Upper
96 100
61 111.3 77.4 143.8
98 61.4 45.1 83.7





#34

Benzene

Concen: 8.764 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

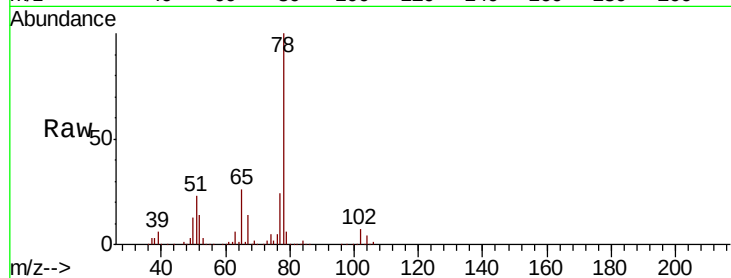
Instrument :

MSVOA_W

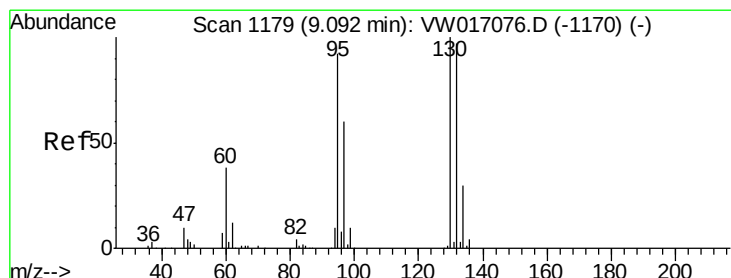
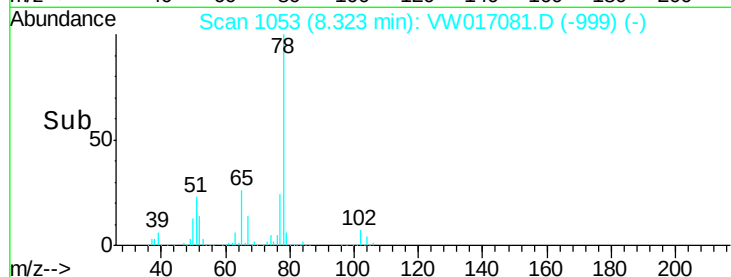
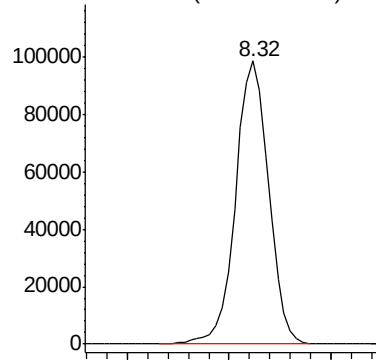
ClientSampleId :

BG477

Tgt Ion: 78 Resp: 221532



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 95.201 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

Tgt Ion: 95 Resp: 674104

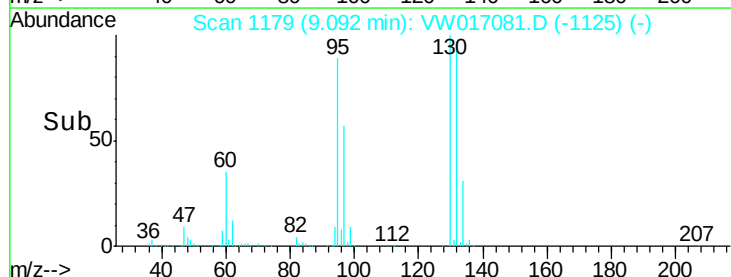
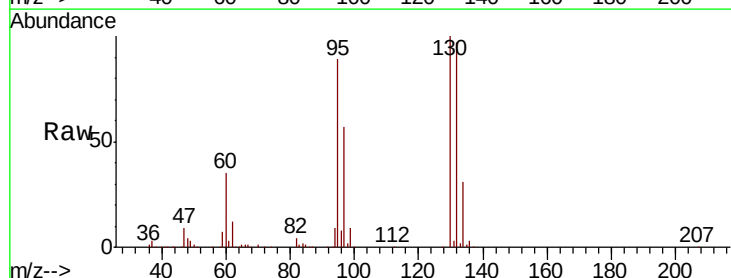
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.0	83.6
132	105.2	73.7	136.9
130	111.1	77.1	143.1

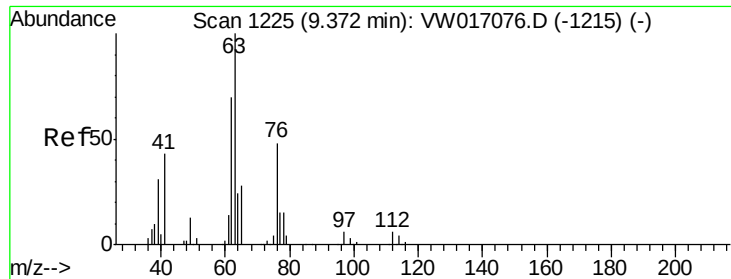
Abundance Ion 95.00 (94.70 to 95.70): VW

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

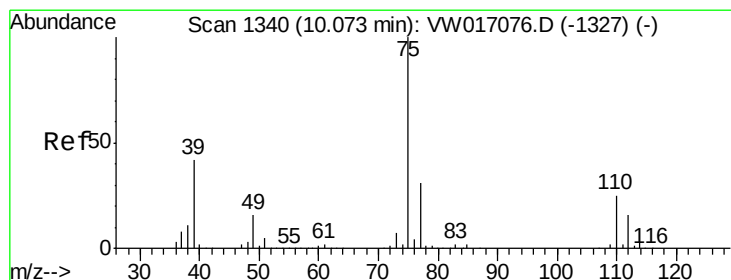
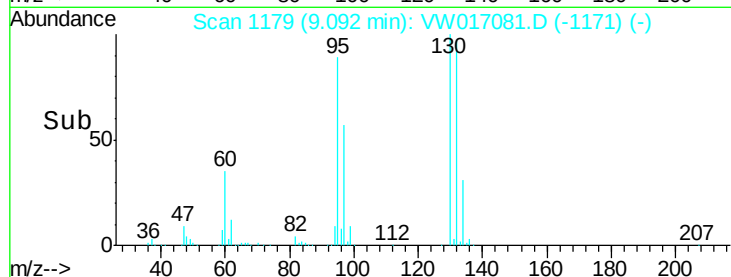
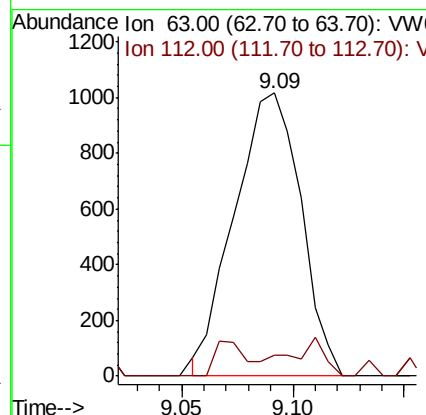
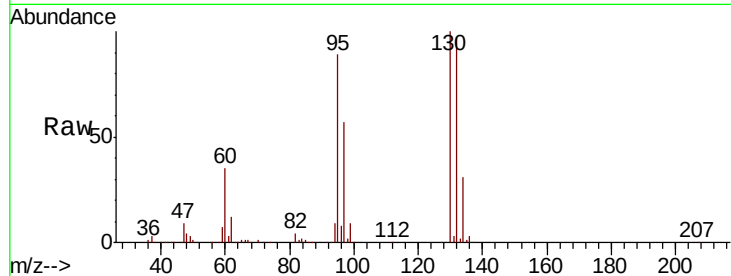




#40
 1,2-Dichloropropane
 Concen: 0.356 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.28 min
 Lab File: VW017081.D
 Acq: 04 Nov 2020 18:50

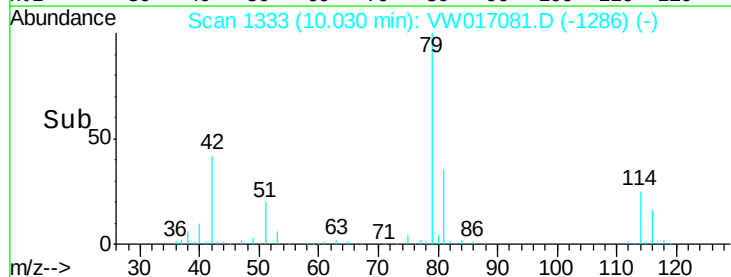
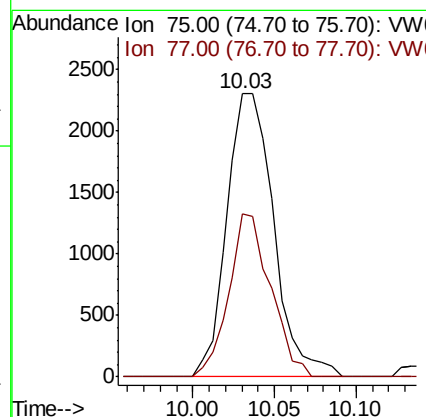
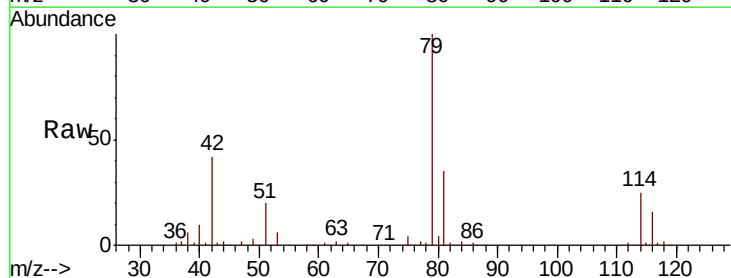
Instrument :
 MSVOA_W
 ClientSampleId :
 BG477

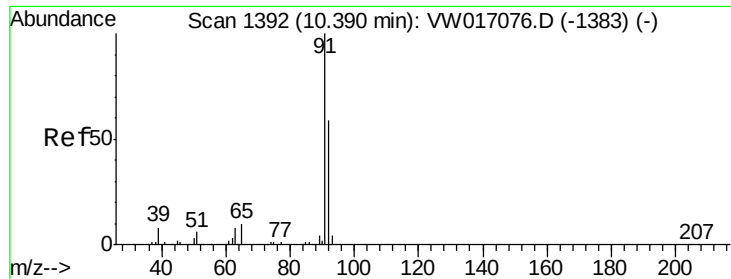
Tot Ion: 63 Resp: 2103
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.2 6.2



#42
 cis-1,3-Dichloropropene
 Concen: 0.495 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW017081.D
 Acq: 04 Nov 2020 18:50

Tgt Ion: 75 Resp: 4635
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.0 41.0#





#44

Toluene

Concen: 0.354 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

Instrument :

MSVOA_W

ClientSampled :

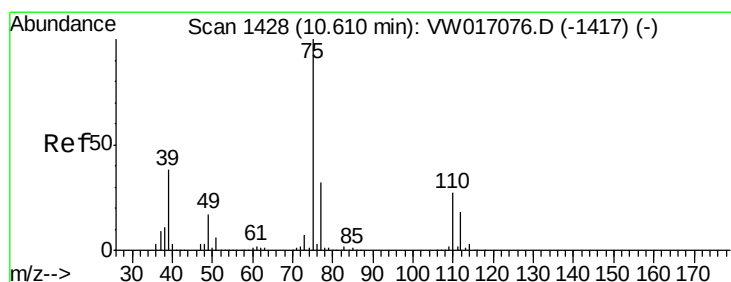
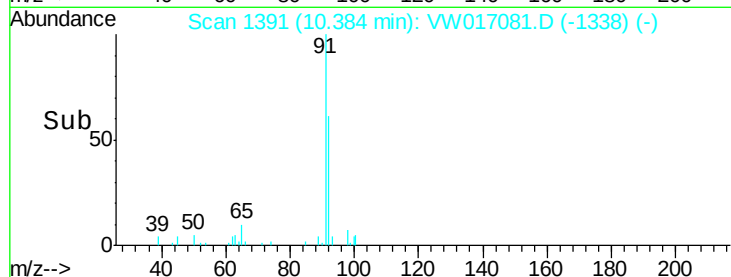
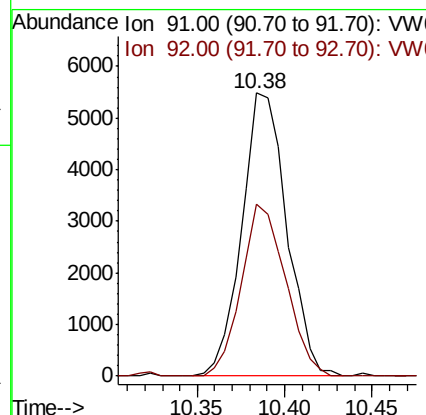
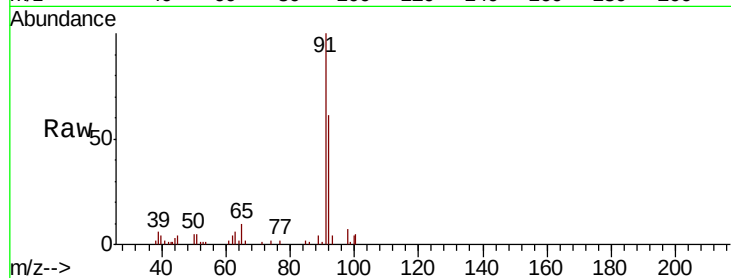
BG477

Tot Ion: 91 Resp: 9849

Ion Ratio Lower Upper

91 100

92 60.6 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 0.355 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017081.D

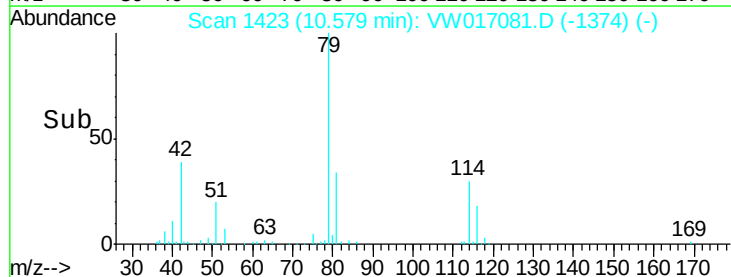
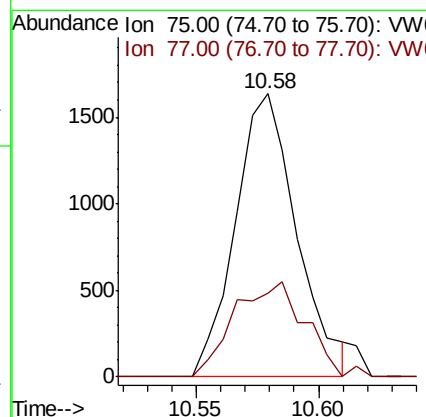
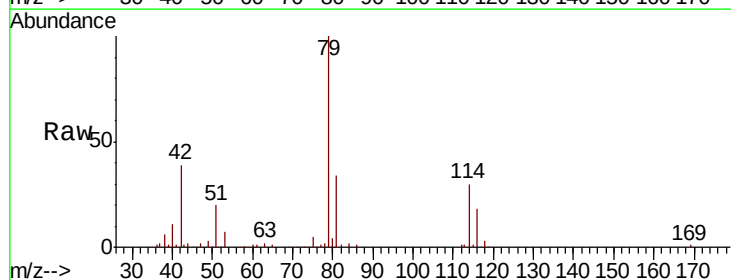
Acq: 04 Nov 2020 18:50

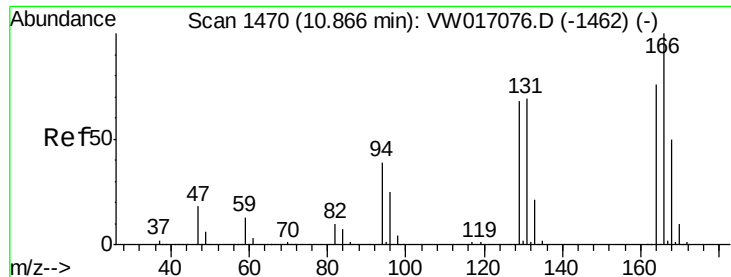
Tgt Ion: 75 Resp: 2850

Ion Ratio Lower Upper

75 100

77 29.5 22.1 41.1





#47

Tetrachloroethene

Concen: 1134.562 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017081.D

Acq: 04 Nov 2020 18:50

Instrument :

MSVOA_W

ClientSampleId :

BG477

Tot Ion:164 Resp: 7248248

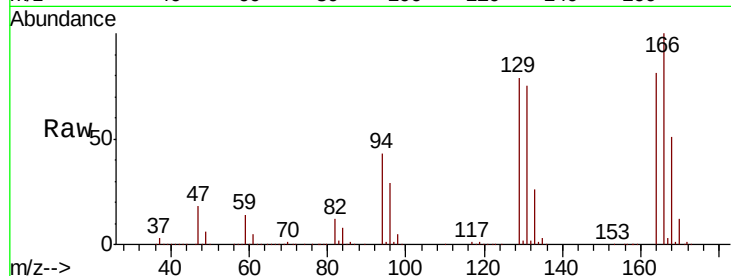
Ion Ratio Lower Upper

164 100

129 98.1 62.9 116.7

131 93.0 63.3 117.5

166 123.9 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

