

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017139.D
 Acq On : 10 Nov 2020 14:50
 Operator : SY/VA
 Sample : L4659-11
 Misc : 4.78G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B0

Quant Time: Nov 11 05:39:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 05:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	425142	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	377128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	151877	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125543	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.89	69	101736	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
10) 1,1-Dichloroethene-d2	4.02	63	165154	17.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.96%
20) 2-Butanone-d5	7.08	46	44833	37.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.88%
24) Chloroform-d	7.65	84	235131	23.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	8.31	65	118130	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.28	84	477158	24.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.40%
33) 1,2-Dichloropropane-d6	9.27	67	131331	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	10.33	98	440111	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.20%
38) trans-1,3-Dichloropropene-	10.58	79	50679	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.64%
39) 2-Hexanone-d5	10.93	63	36474	39.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98751	21.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	131391	24.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.24%

Target Compounds

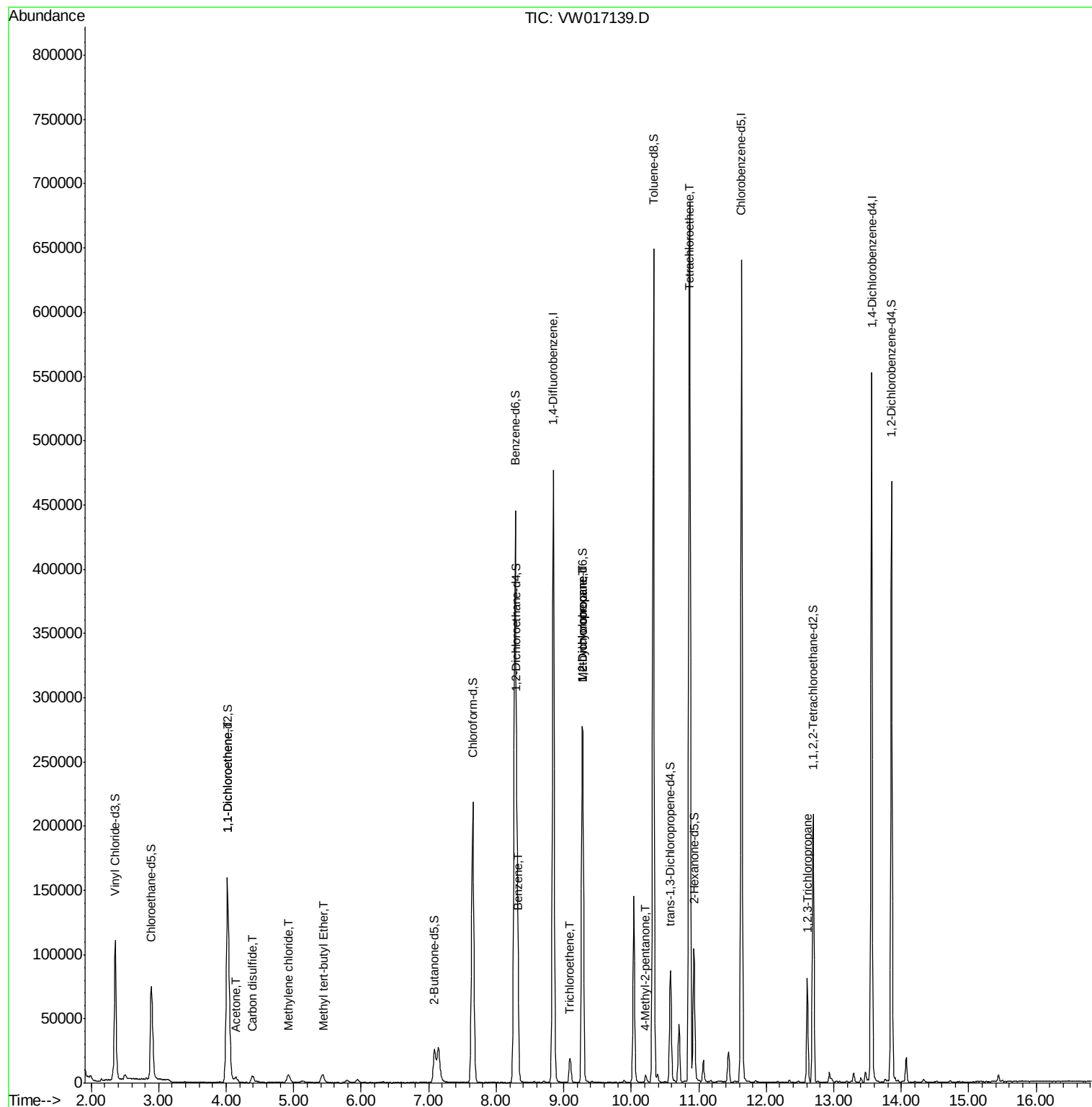
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	1742	0.330	ug/L #	1
13) Acetone	4.15	43	6946	8.663	ug/L	99
14) Carbon disulfide	4.39	76	11748	0.818	ug/L	98
16) Methylene chloride	4.92	84	5554	0.969	ug/L	83
17) Methyl tert-butyl Ether	5.43	73	10222	1.586	ug/L #	80
34) Benzene	8.33	78	7122	0.360	ug/L	100
35) Trichloroethene	9.10	95	6489	1.170	ug/L	95
36) Methylcyclohexane	9.28	83	34306	3.843	ug/L #	22
40) 1,2-Dichloropropane	9.28	63	14675	3.170	ug/L #	85
43) 4-Methyl-2-pentanone	10.21	43	3999	1.400	ug/L	97
47) Tetrachloroethene	10.87	164	167226	33.412	ug/L	97
59) 1,2,3-Trichloropropane	12.60	75	772	0.233	ug/L	90

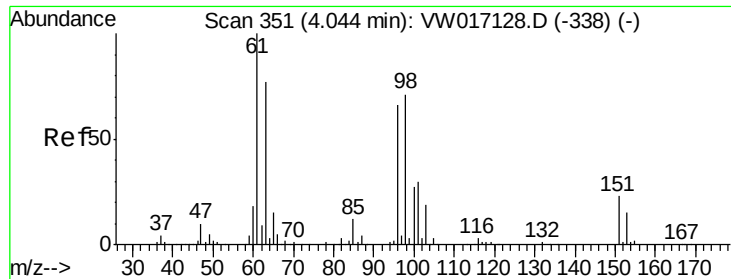
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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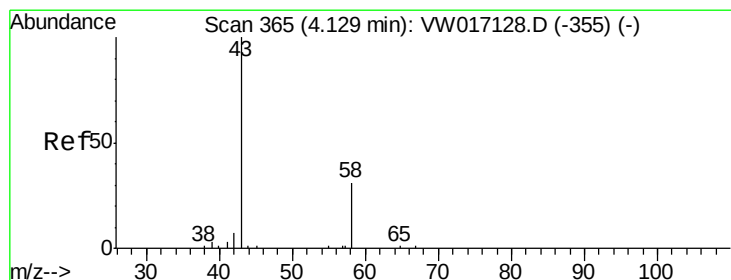
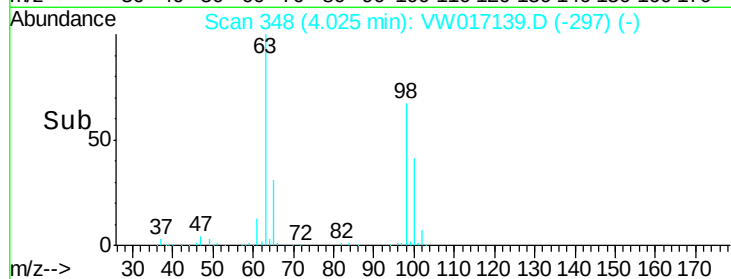
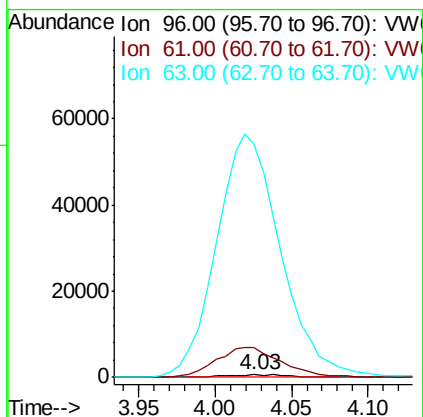
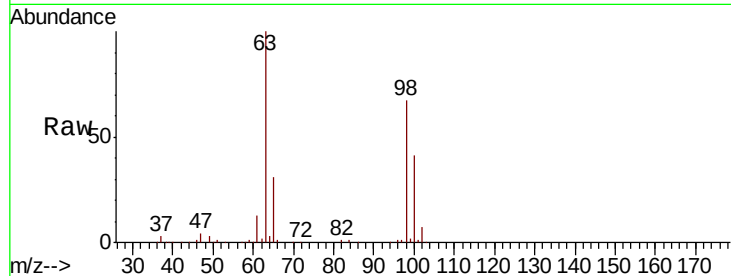




#12
 1,1-Dichloroethene
 Concen: 0.330 ug/L
 RT: 4.03 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VW017139.D
 Acq: 10 Nov 2020 14:50

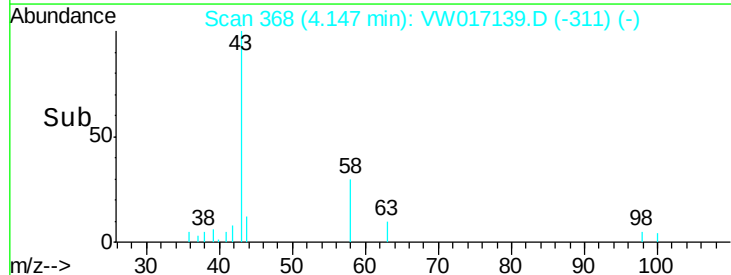
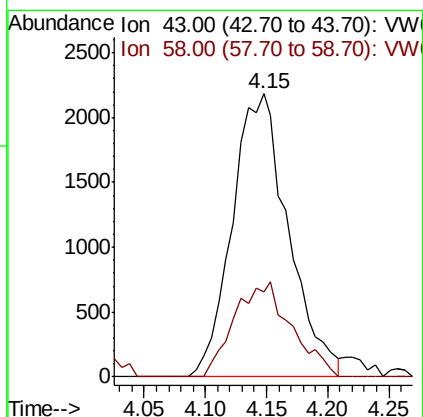
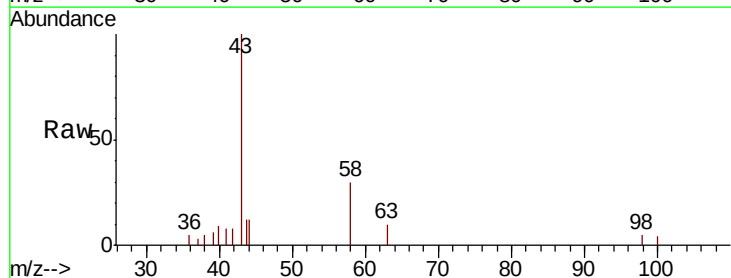
Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B0

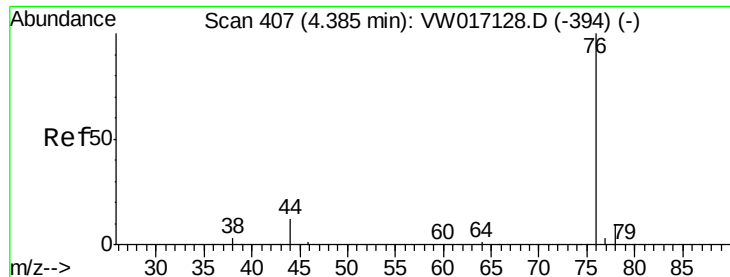
Tot Ion: 96 Resp: 1742
 Ion Ratio Lower Upper
 96 100
 61 1108.5 103.8 192.8#
 63 8507.4 84.4 156.7#



#13
 Acetone
 Concen: 8.663 ug/L
 RT: 4.15 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VW017139.D
 Acq: 10 Nov 2020 14:50

Tgt Ion: 43 Resp: 6946
 Ion Ratio Lower Upper
 43 100
 58 34.1 0.0 69.2





#14

Carbon disulfide

Concen: 0.818 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017139.D

Acq: 10 Nov 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

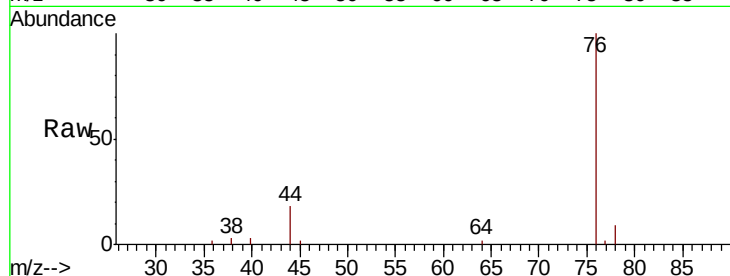
BG4B0

Tot Ion: 76 Resp: 11748

Ion Ratio Lower Upper

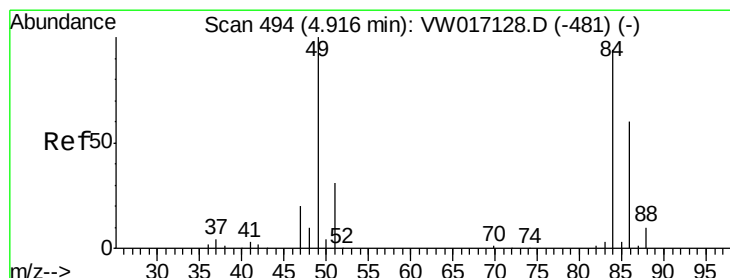
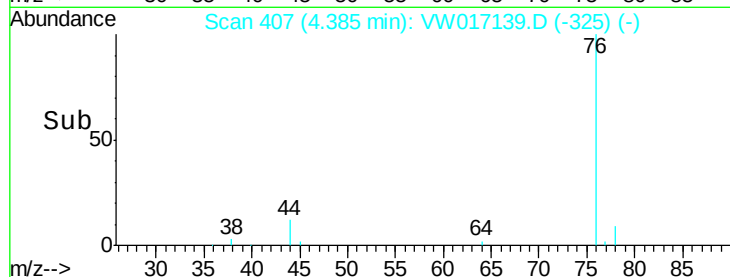
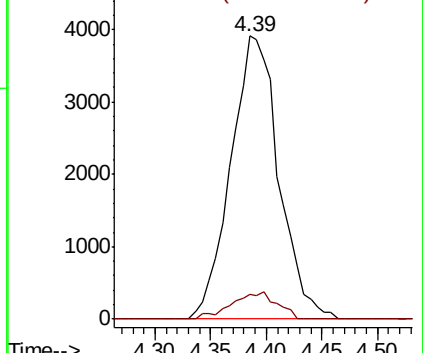
76 100

78 8.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 0.969 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017139.D

Acq: 10 Nov 2020 14:50

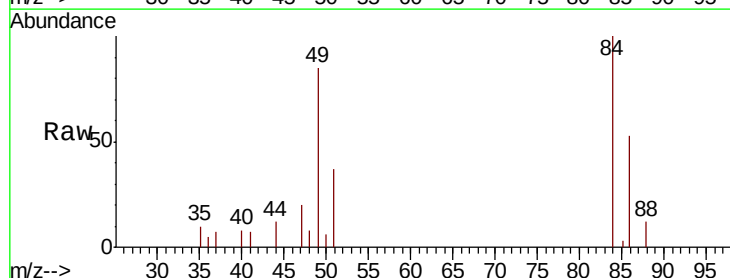
Tgt Ion: 84 Resp: 5554

Ion Ratio Lower Upper

84 100

49 84.8 72.3 134.3

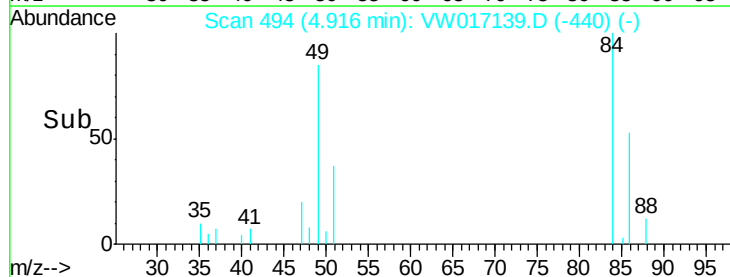
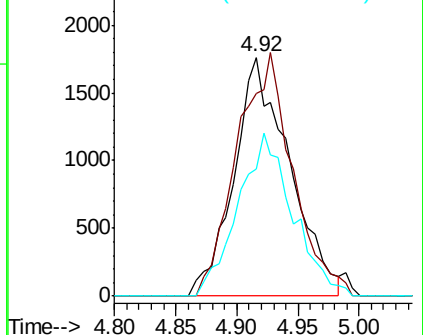
86 53.1 45.1 83.7

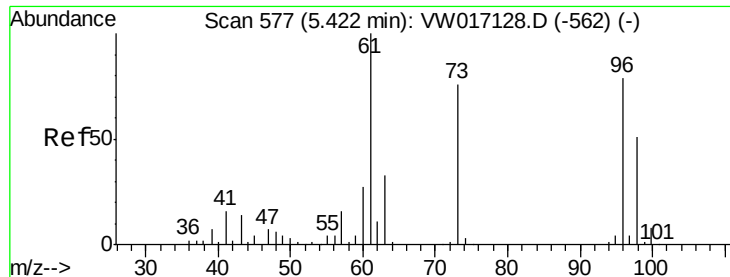


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

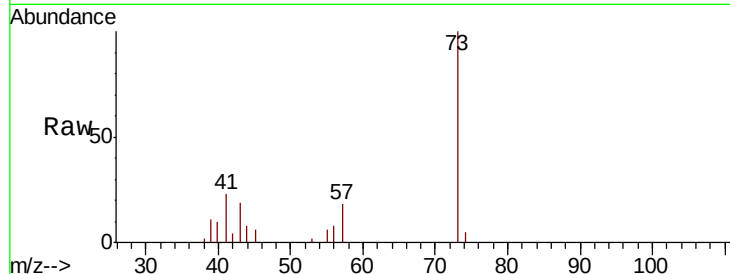




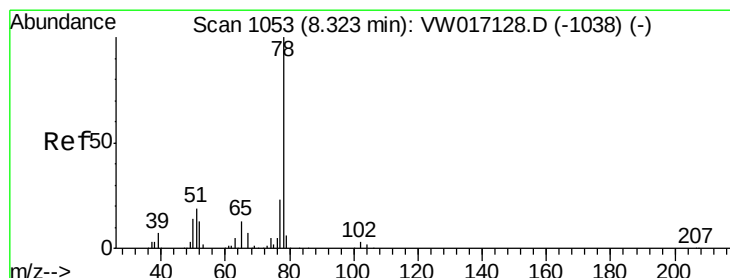
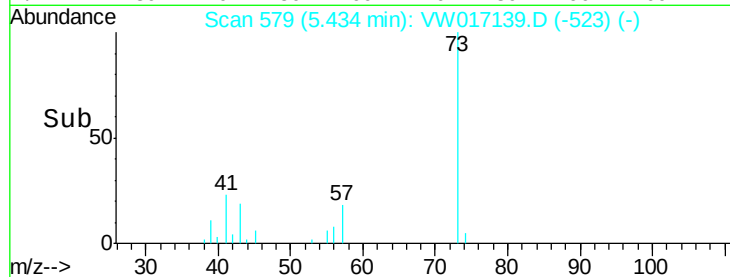
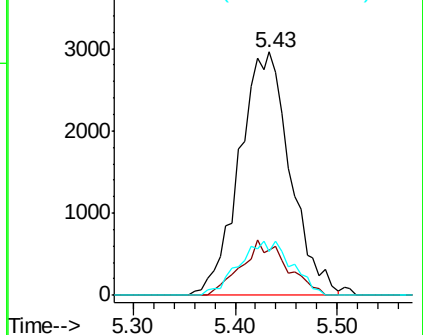
#17
Methyl tert-butyl Ether
Concen: 1.586 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50

Instrument :
MSVOA_W
ClientSampleId :
BG4B0

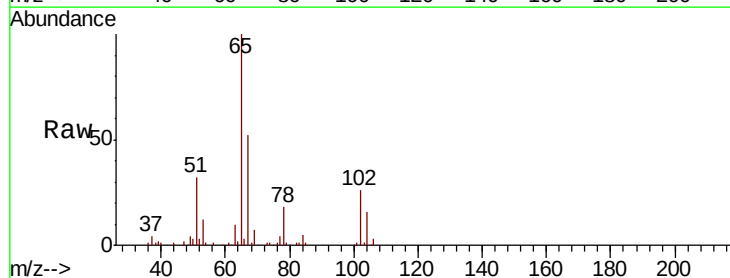
Tot Ion: 73 Resp: 10222
Ion Ratio Lower Upper
73 100
43 9.7 14.5 21.7#
57 10.9 16.3 24.5#



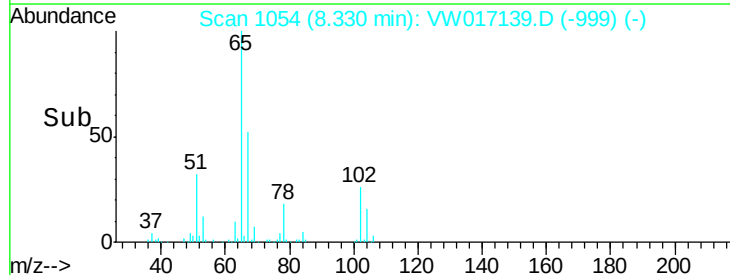
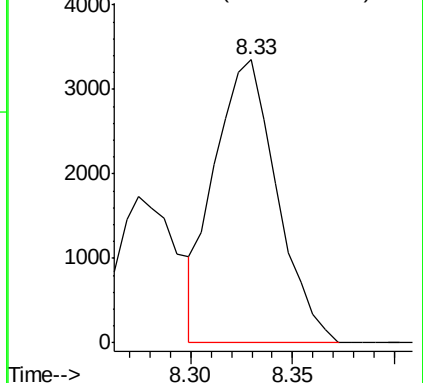
Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

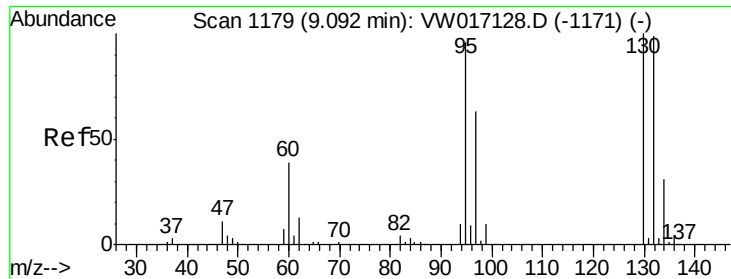


#34
Benzene
Concen: 0.360 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW017139.D
Acq: 10 Nov 2020 14:50
Tgt Ion: 78 Resp: 7122



Abundance Ion 78.00 (77.70 to 78.70): VW

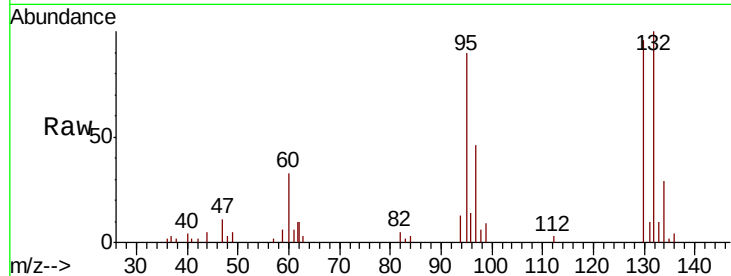




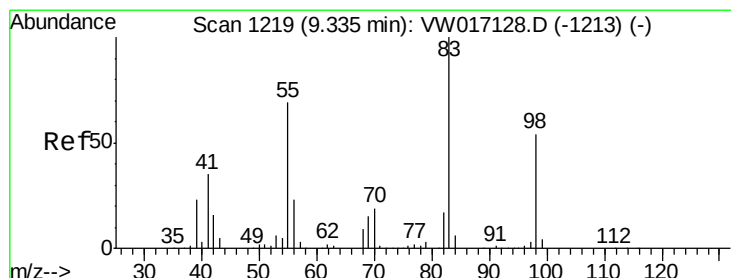
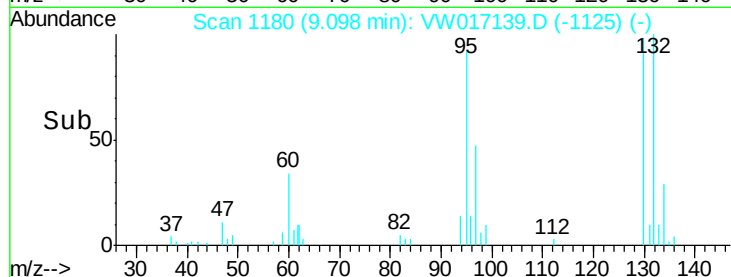
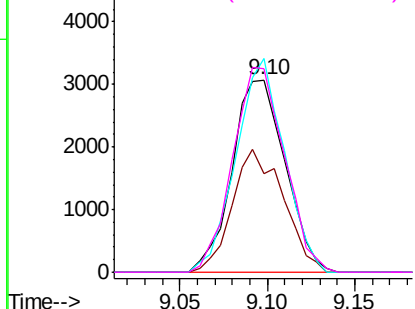
#35
 Trichloroethene
 Concen: 1.170 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW017139.D
 Acq: 10 Nov 2020 14:50

Instrument :
 MSVOA_W
 ClientSampled :
 BG4B0

Tot Ion: 95 Resp: 6489
 Ion Ratio Lower Upper
 95 100
 97 61.8 45.0 83.6
 132 101.2 73.7 136.9
 130 104.0 77.1 143.1

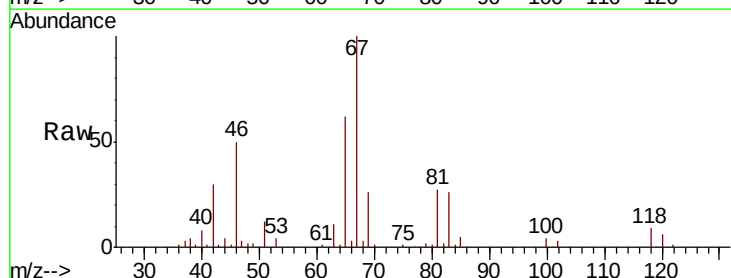


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

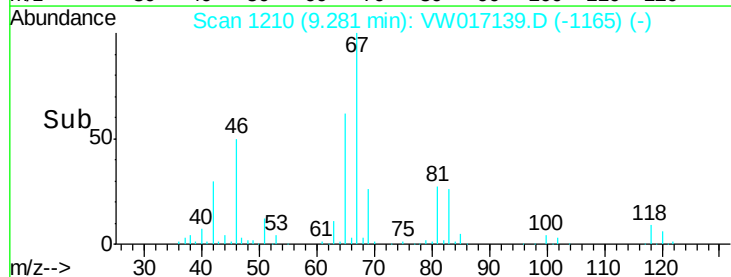
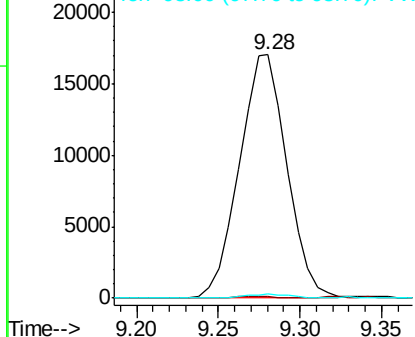


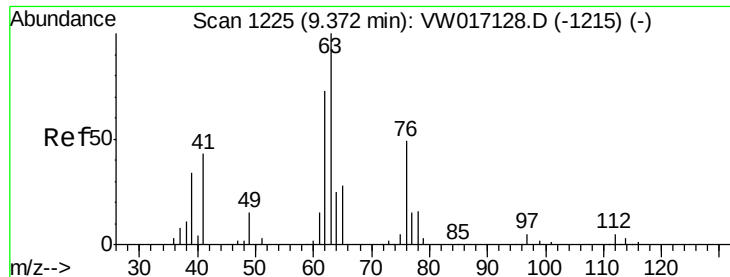
#36
 Methylcyclohexane
 Concen: 3.843 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.05 min
 Lab File: VW017139.D
 Acq: 10 Nov 2020 14:50

Tgt Ion: 83 Resp: 34306
 Ion Ratio Lower Upper
 83 100
 55 0.4 54.4 81.6#
 98 1.5 40.5 60.7#



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.170 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017139.D

Acq: 10 Nov 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

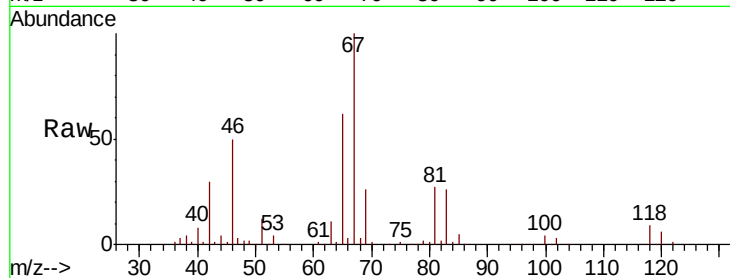
BG4B0

Tot Ion: 63 Resp: 14675

Ion Ratio Lower Upper

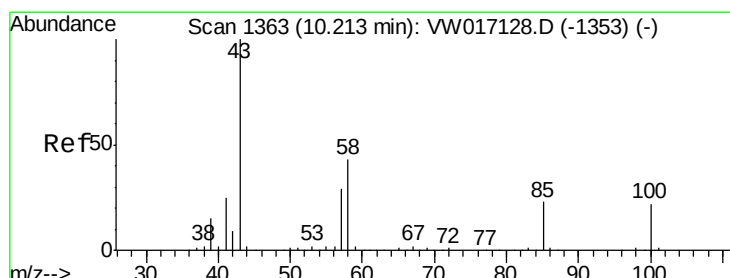
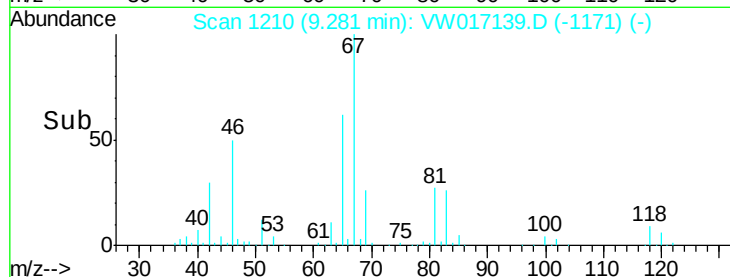
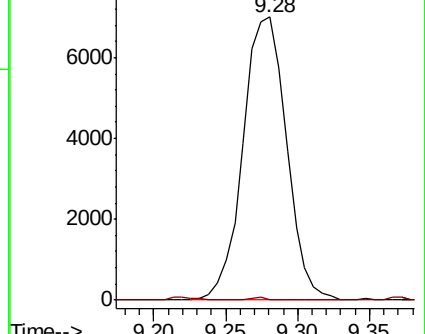
63 100

112 0.3 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#43

4-Methyl-2-pentanone

Concen: 1.400 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017139.D

Acq: 10 Nov 2020 14:50

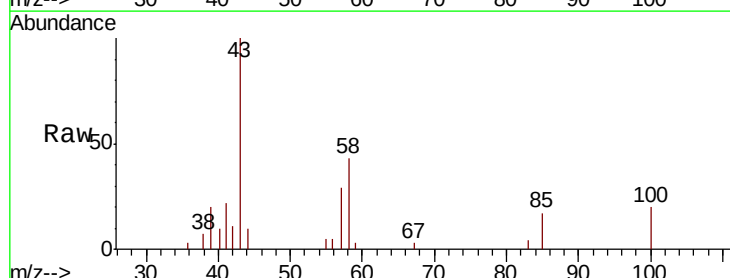
Tgt Ion: 43 Resp: 3999

Ion Ratio Lower Upper

43 100

58 44.3 35.0 52.6

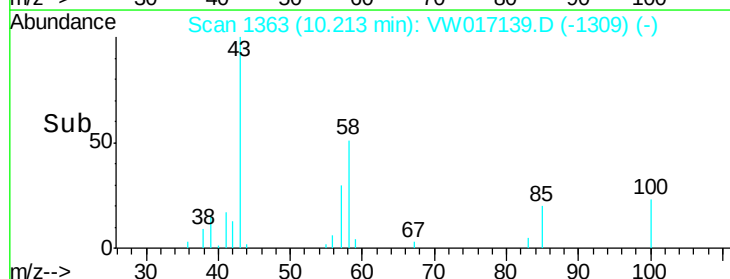
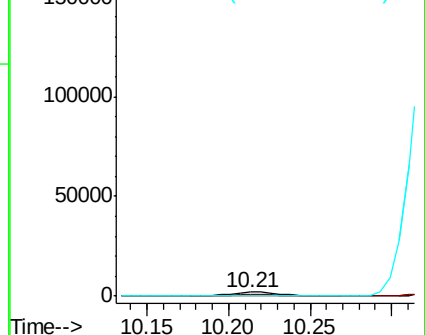
100 17.8 16.6 24.8

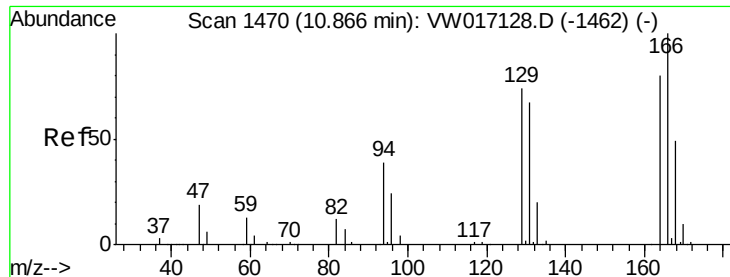


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): V





#47

Tetrachloroethene

Concen: 33.412 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017139.D

Acq: 10 Nov 2020 14:50

Instrument :

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ClientSampleId :

BG4B0

Tot Ion:164 Resp: 167226

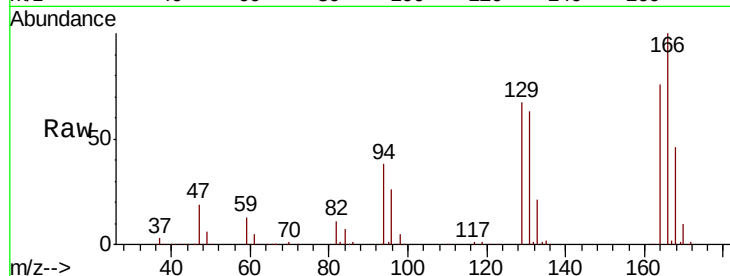
Ion Ratio Lower Upper

164 100

129 88.1 62.9 116.7

131 82.7 63.3 117.5

166 131.1 92.0 170.8

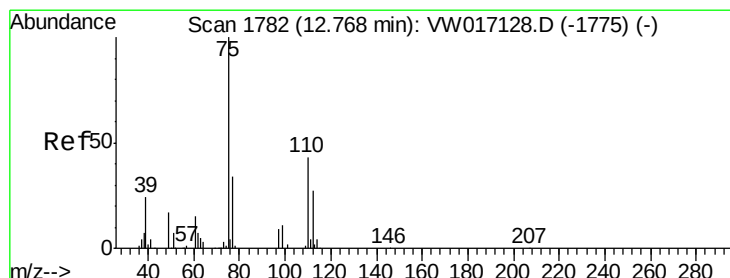
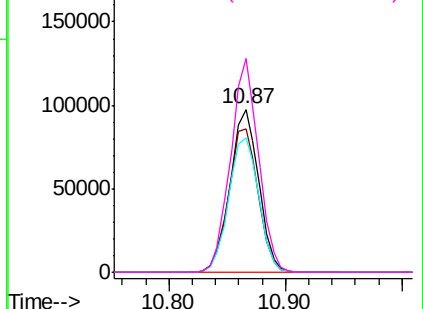
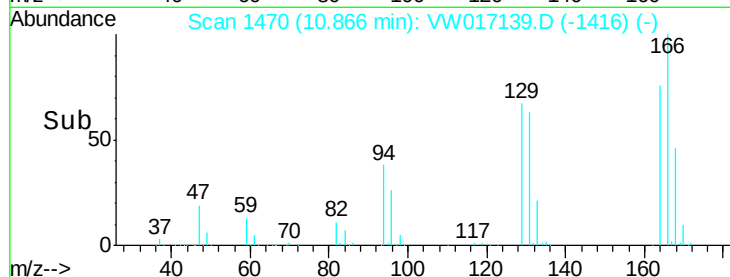


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 0.233 ug/L

RT: 12.60 min Scan# 1755

Delta R.T. -0.16 min

Lab File: VW017139.D

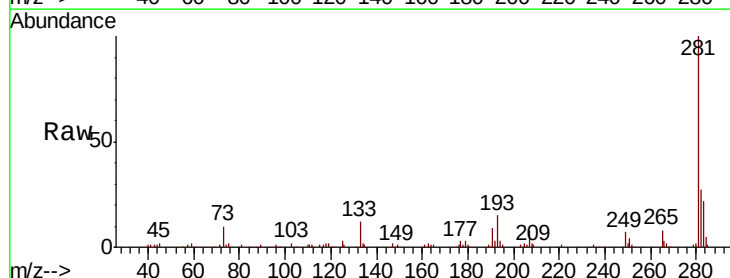
Acq: 10 Nov 2020 14:50

Tgt Ion: 75 Resp: 772

Ion Ratio Lower Upper

75 100

77 27.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

