

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\
 Data File : VW017132.D
 Acq On : 10 Nov 2020 12:03
 Operator : SY/VA
 Sample : L4659-14
 Misc : 5.90G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4B3

Quant Time: Nov 11 05:38:38 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	502337	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	459043	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195802	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	147340	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.16%
7) Chloroethane-d5	2.90	69	122123	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.20%
10) 1,1-Dichloroethene-d2	4.03	63	205927	18.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.80%
20) 2-Butanone-d5	7.09	46	53628	37.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.80%
24) Chloroform-d	7.65	84	282480	24.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	8.31	65	140524	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.40%
29) Benzene-d6	8.28	84	570690	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
33) 1,2-Dichloropropane-d6	9.27	67	158738	24.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.20%
37) Toluene-d8	10.33	98	537364	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.52%
38) trans-1,3-Dichloropropene-	10.58	79	62681	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.00%
39) 2-Hexanone-d5	10.93	63	41798	37.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117651	20.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	176230	25.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.20%

Target Compounds

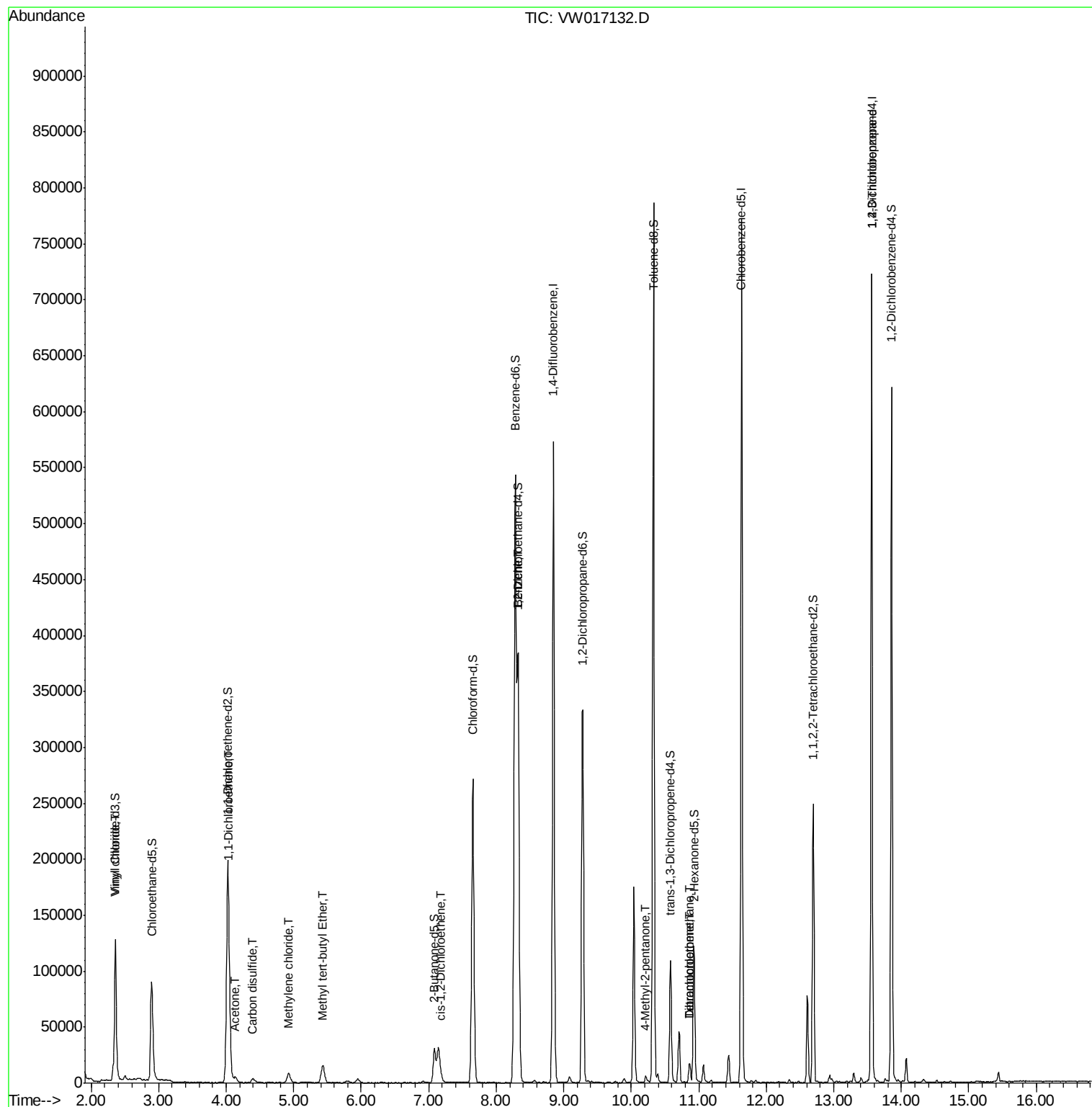
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	2182	0.325	ug/L #	1
12) 1,1-Dichloroethene	4.04	96	5812	0.932	ug/L #	1
13) Acetone	4.14	43	8902	9.396	ug/L	94
14) Carbon disulfide	4.39	76	7077	0.417	ug/L	98
16) Methylene chloride	4.92	84	7443	1.099	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	25435	3.341	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	2807	0.411	ug/L	94
34) Benzene	8.33	78	289355	12.004	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	4333	1.246	ug/L	98
47) Tetrachloroethene	10.87	164	4218	0.692	ug/L	94
50) Dibromochloromethane	10.87	129	3925	0.663	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	20260	5.022	ug/L	92

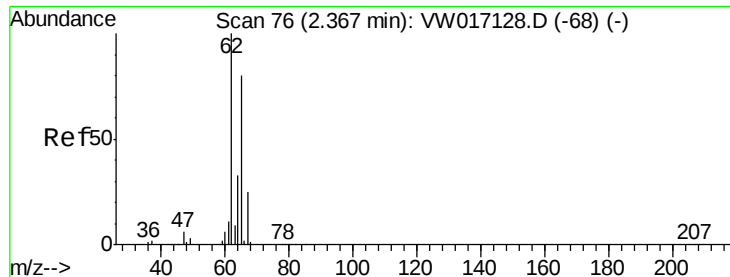
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.325 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017132.D

Acq: 10 Nov 2020 12:03

Instrument :

MSVOA_W

ClientSampled :

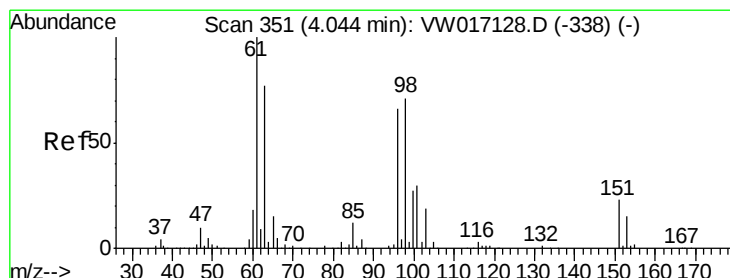
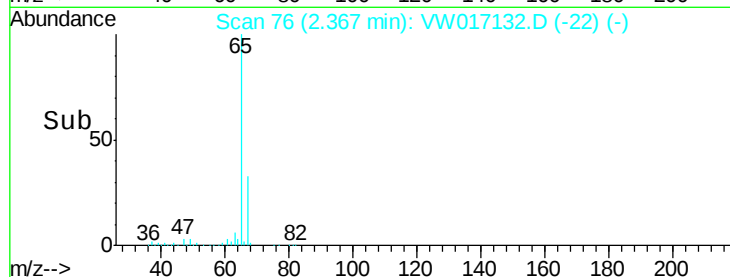
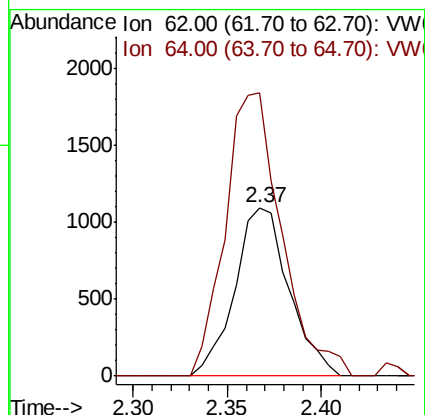
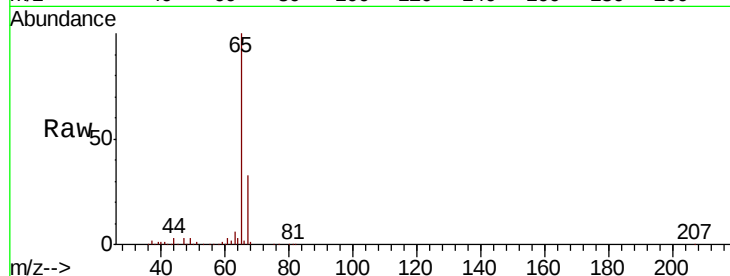
BG4B3

Tot Ion: 62 Resp: 2182

Ion Ratio Lower Upper

62 100

64 167.7 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 0.932 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017132.D

Acq: 10 Nov 2020 12:03

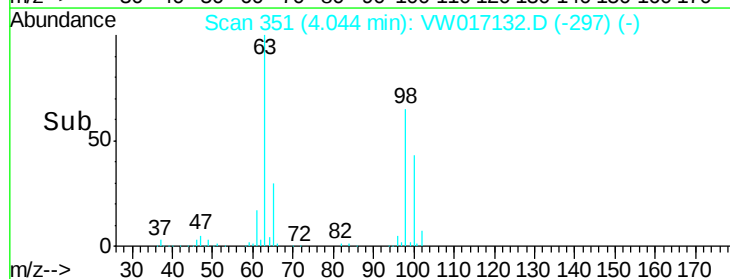
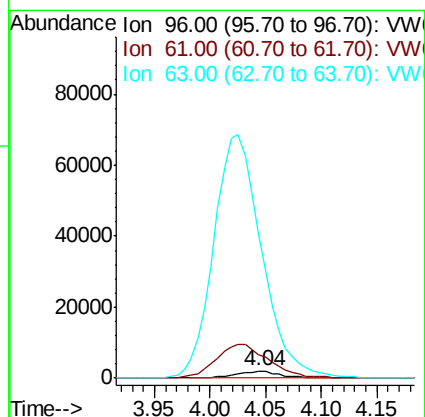
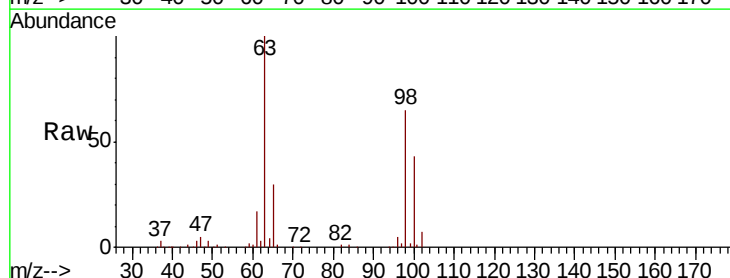
Tgt Ion: 96 Resp: 5812

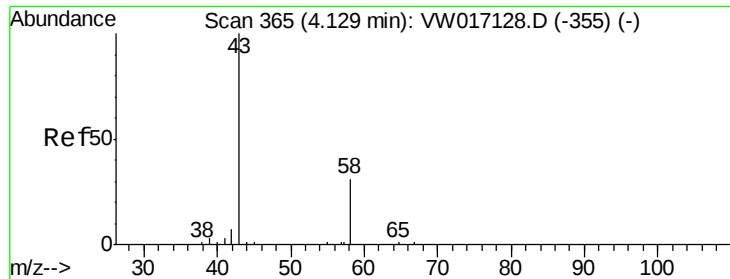
Ion Ratio Lower Upper

96 100

61 351.6 103.8 192.8#

63 2122.5 84.4 156.7#





#13

Acetone

Concen: 9.396 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017132.D

Acq: 10 Nov 2020 12:03

Instrument :

MSVOA_W

ClientSampleId :

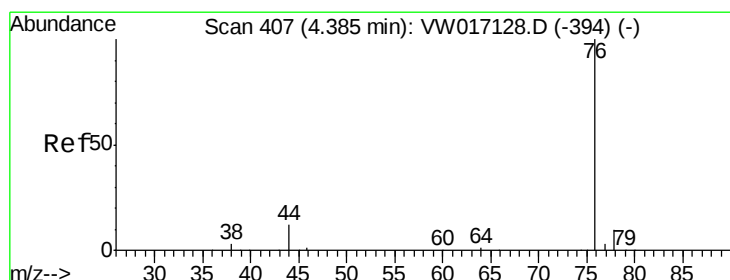
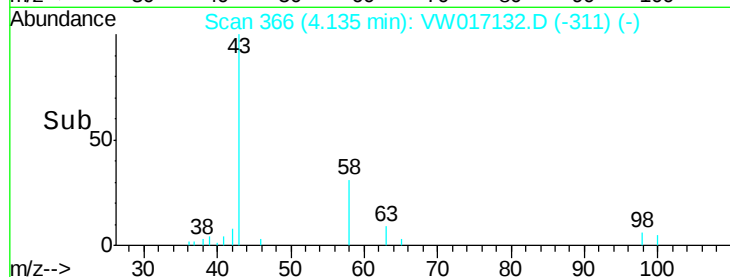
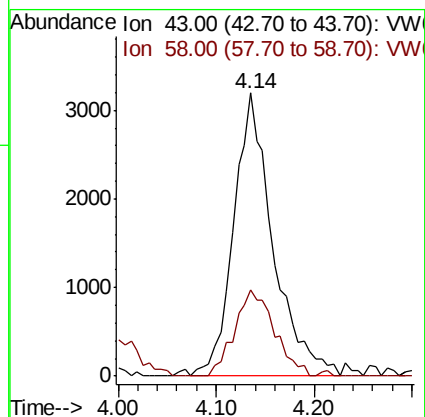
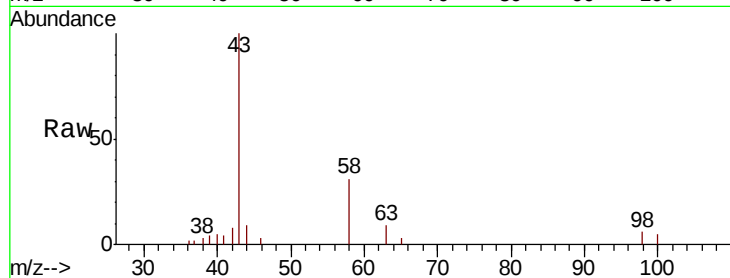
BG4B3

Tot Ion: 43 Resp: 8902

Ion Ratio Lower Upper

43 100

58 30.9 0.0 69.2



#14

Carbon disulfide

Concen: 0.417 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017132.D

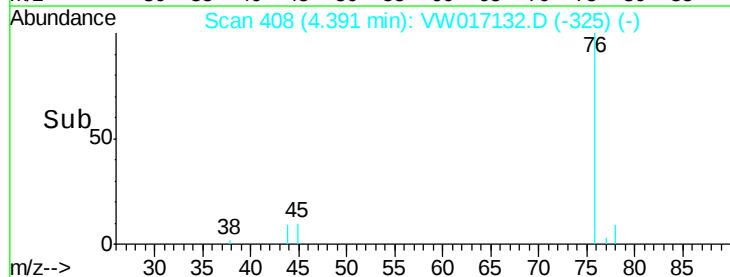
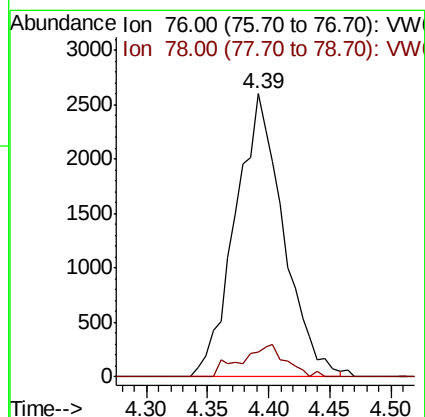
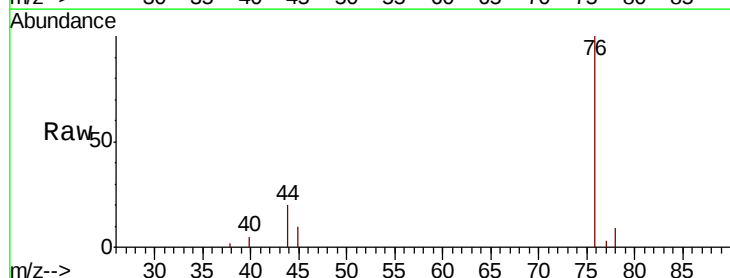
Acq: 10 Nov 2020 12:03

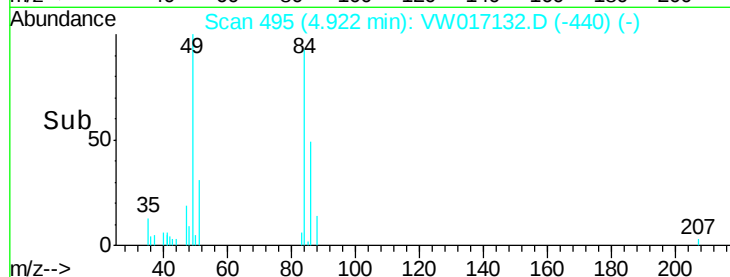
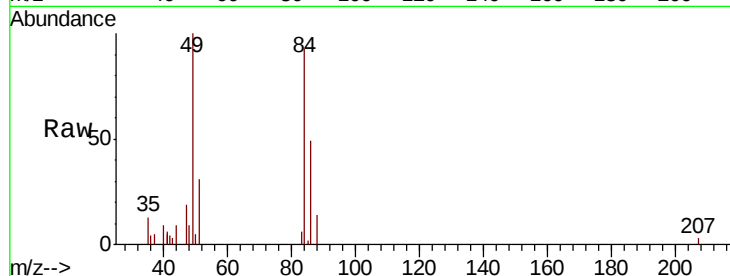
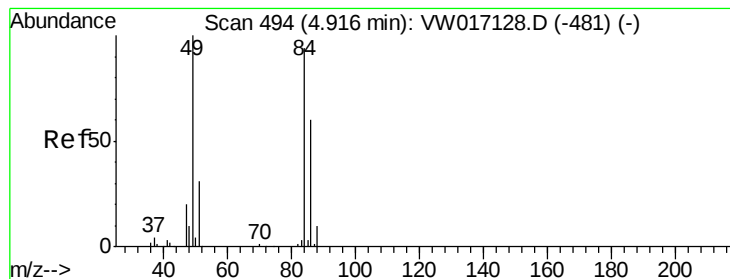
Tgt Ion: 76 Resp: 7077

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

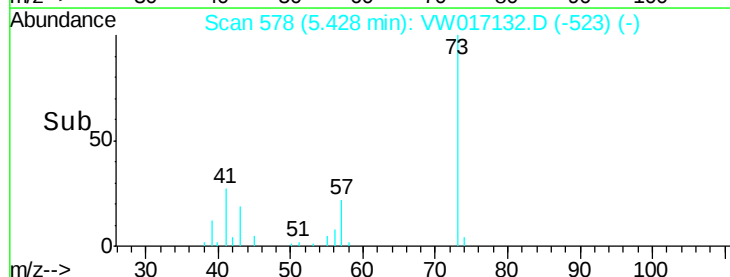
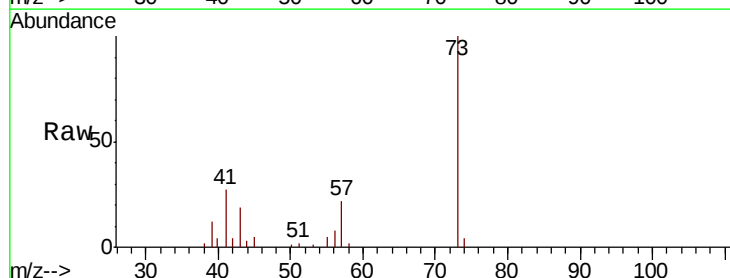
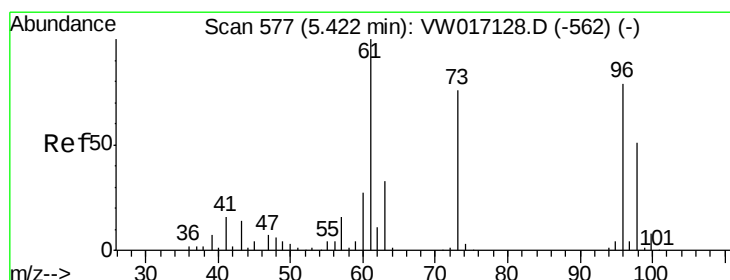
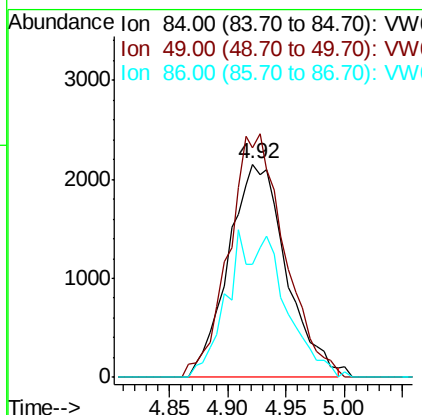




#16
Methylene chloride
Concen: 1.099 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017132.D
Acq: 10 Nov 2020 12:03

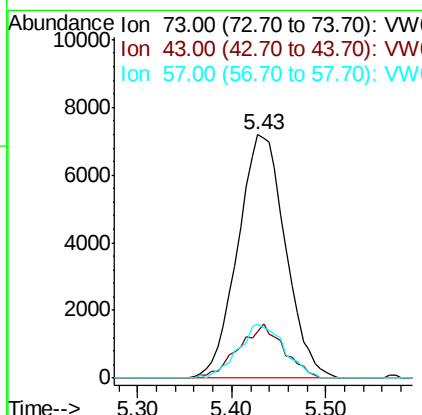
Instrument :
MSVOA_W
ClientSampleId :
BG4B3

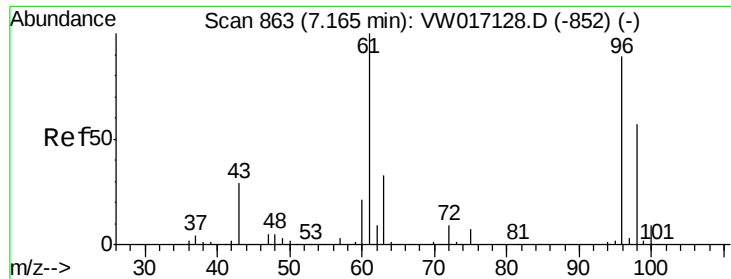
Tot Ion: 84 Resp: 7443
Ion Ratio Lower Upper
84 100
49 107.6 72.3 134.3
86 53.0 45.1 83.7



#17
Methyl tert-butyl Ether
Concen: 3.341 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017132.D
Acq: 10 Nov 2020 12:03

Tgt Ion: 73 Resp: 25435
Ion Ratio Lower Upper
73 100
43 21.0 14.5 21.7
57 21.1 16.3 24.5





#22

cis-1,2-Dichloroethene

Concen: 0.411 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017132.D

Acq: 10 Nov 2020 12:03

Instrument :

MSVOA_W

ClientSampleId :

BG4B3

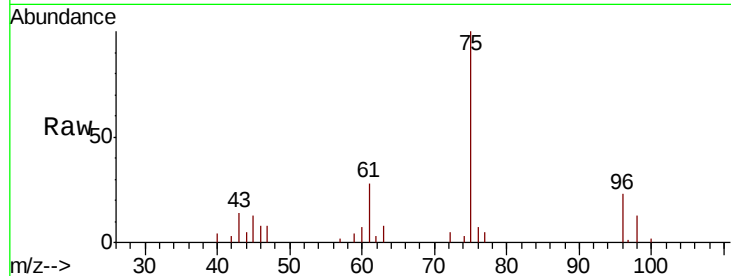
Tot Ion: 96 Resp: 2807

Ion Ratio Lower Upper

96 100

61 111.6 77.4 143.8

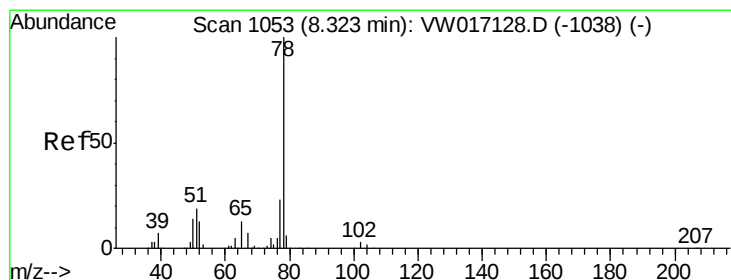
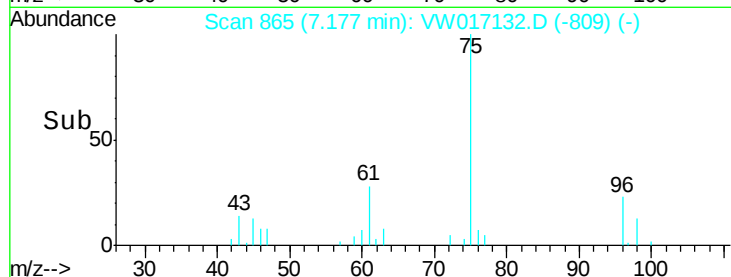
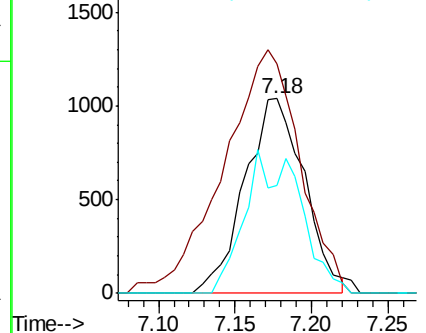
98 52.3 45.1 83.7



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



#34

Benzene

Concen: 12.004 ug/L

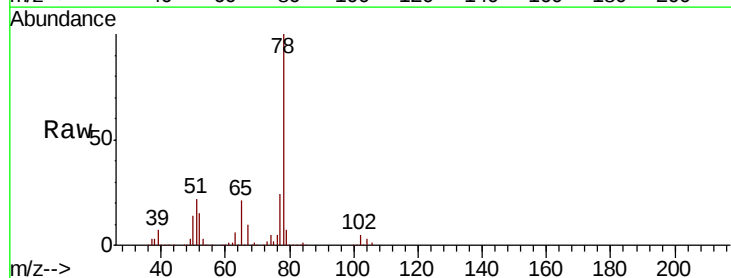
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

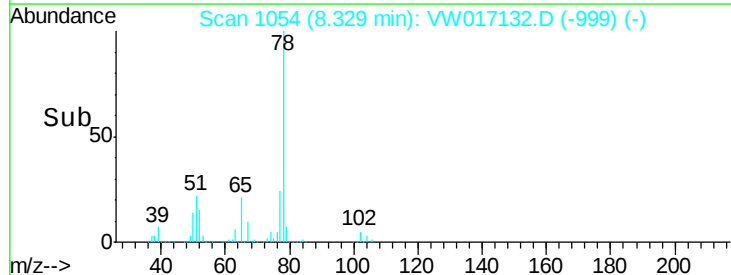
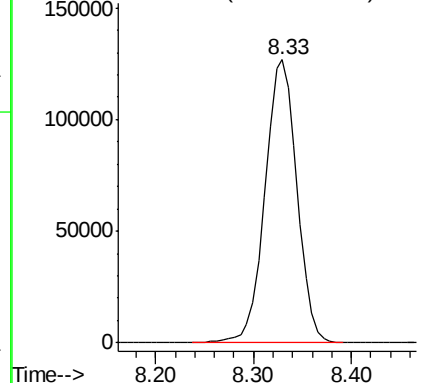
Lab File: VW017132.D

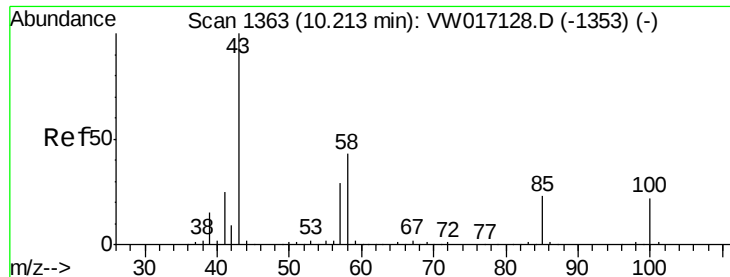
Acq: 10 Nov 2020 12:03

Tgt Ion: 78 Resp: 289355



Abundance Ion 78.00 (77.70 to 78.70): VW

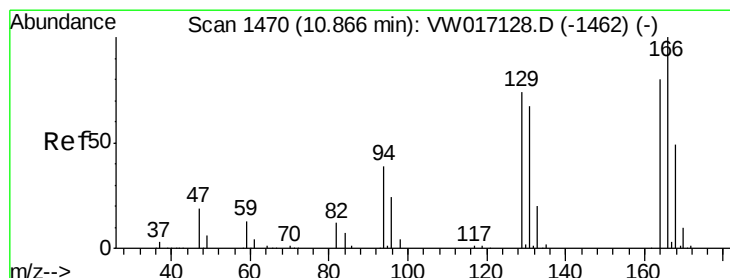
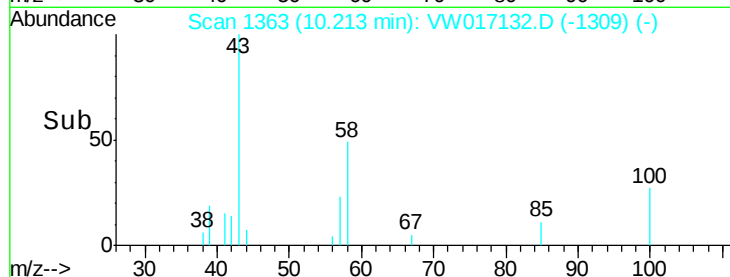
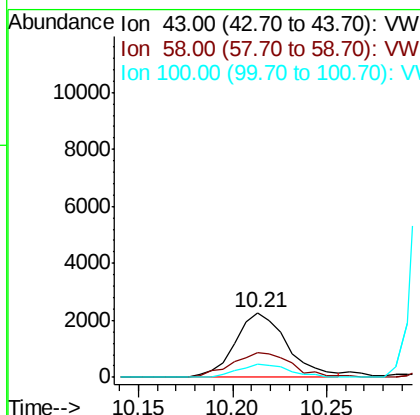
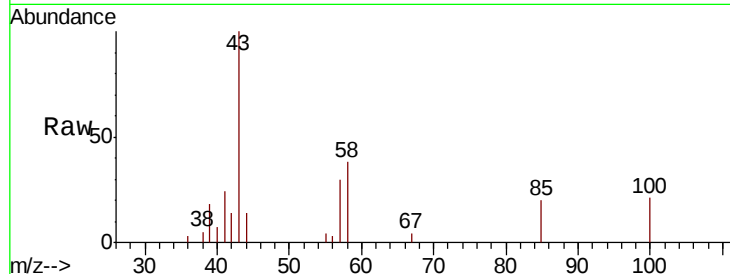




#43
4-Methyl-2-pentanone
Concen: 1.246 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017132.D
Acq: 10 Nov 2020 12:03

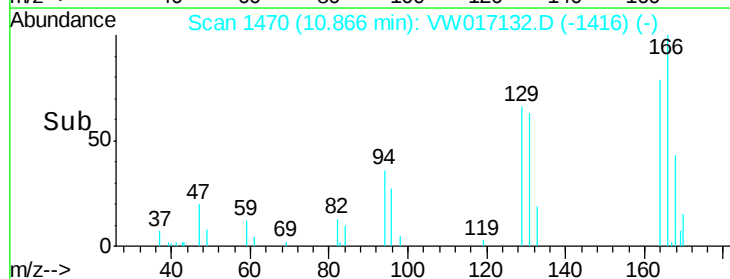
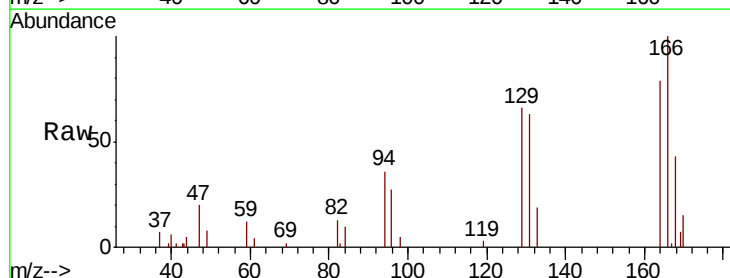
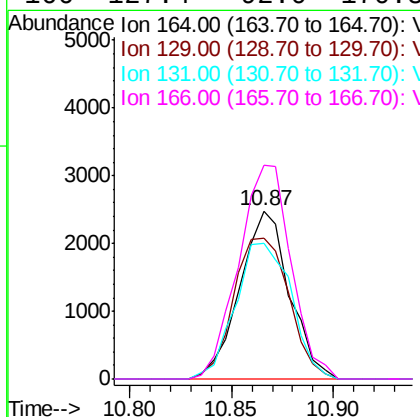
Instrument :
MSVOA_W
ClientSampled :
BG4B3

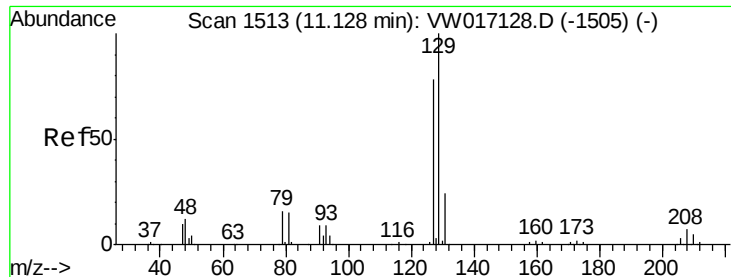
Tot Ion: 43 Resp: 4333
Ion Ratio Lower Upper
43 100
58 43.1 35.0 52.6
100 19.4 16.6 24.8



#47
Tetrachloroethene
Concen: 0.692 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017132.D
Acq: 10 Nov 2020 12:03

Tgt Ion: 164 Resp: 4218
Ion Ratio Lower Upper
164 100
129 83.8 62.9 116.7
131 80.9 63.3 117.5
166 127.4 92.0 170.8

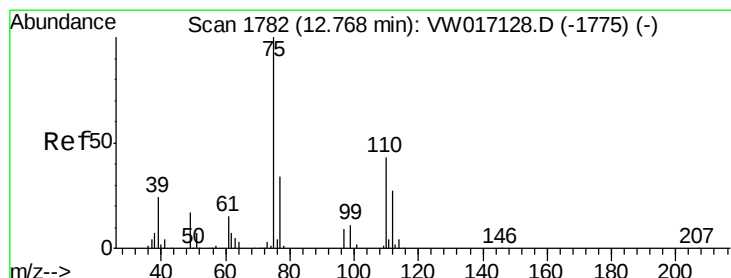
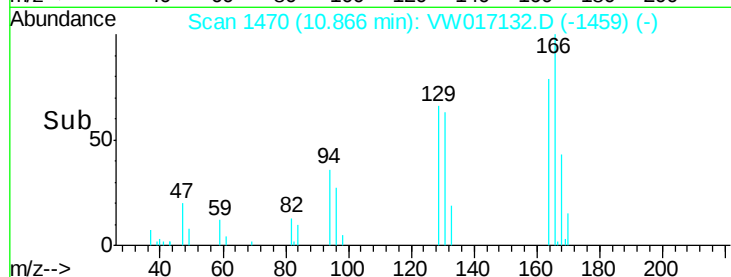
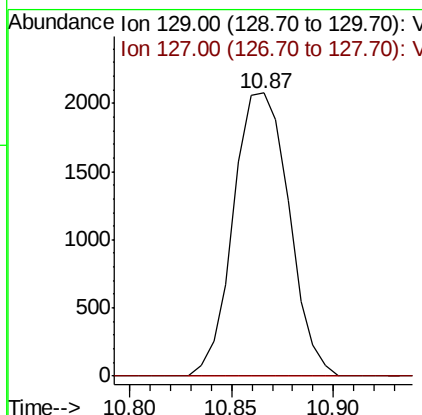
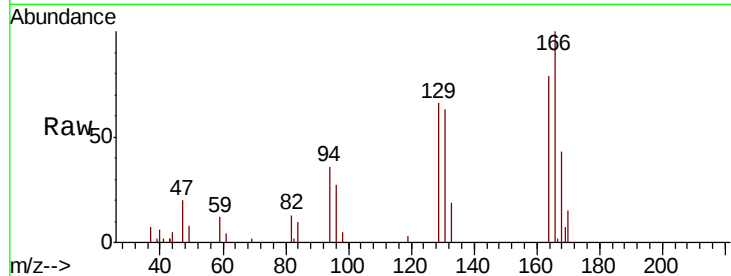




#50
Dibromochloromethane
Concen: 0.663 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW017132.D
Acq: 10 Nov 2020 12:03

Instrument :
MSVOA_W
ClientSampleId :
BG4B3

Tot Ion:129 Resp: 3925
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.9#



#59
1,2,3-Trichloropropane
Concen: 5.022 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW017132.D
Acq: 10 Nov 2020 12:03

Tgt Ion: 75 Resp: 20260
Ion Ratio Lower Upper
75 100
77 37.7 26.4 39.6

