

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
 Data File : VW016834.D
 Acq On : 07 Oct 2020 15:14
 Operator : SY/VA
 Sample : L4284-04
 Misc : 5.30G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W1

Quant Time: Oct 08 08:40:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 08:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	374647	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337054	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154597	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	175842	47.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	190.32%#
7) Chloroethane-d5	2.89	69	143288	46.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	184.88%#
10) 1,1-Dichloroethene-d2	4.03	63	253026	32.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	128.96%#
20) 2-Butanone-d5	7.09	46	68721	82.09	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.18%#
24) Chloroform-d	7.65	84	346277	43.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	175.20%#
26) 1,2-Dichloroethane-d4	8.31	65	177149	46.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	185.60%#
29) Benzene-d6	8.27	84	726323	47.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	189.80%#
33) 1,2-Dichloropropane-d6	9.27	67	194125	47.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	188.76%#
37) Toluene-d8	10.32	98	686618	47.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	190.12%#
38) trans-1,3-Dichloropropene-	10.58	79	79030	43.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	174.24%#
39) 2-Hexanone-d5	10.93	63	58533	92.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	184.00%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148373	44.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	178.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	240248	49.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	196.00%#

Target Compounds

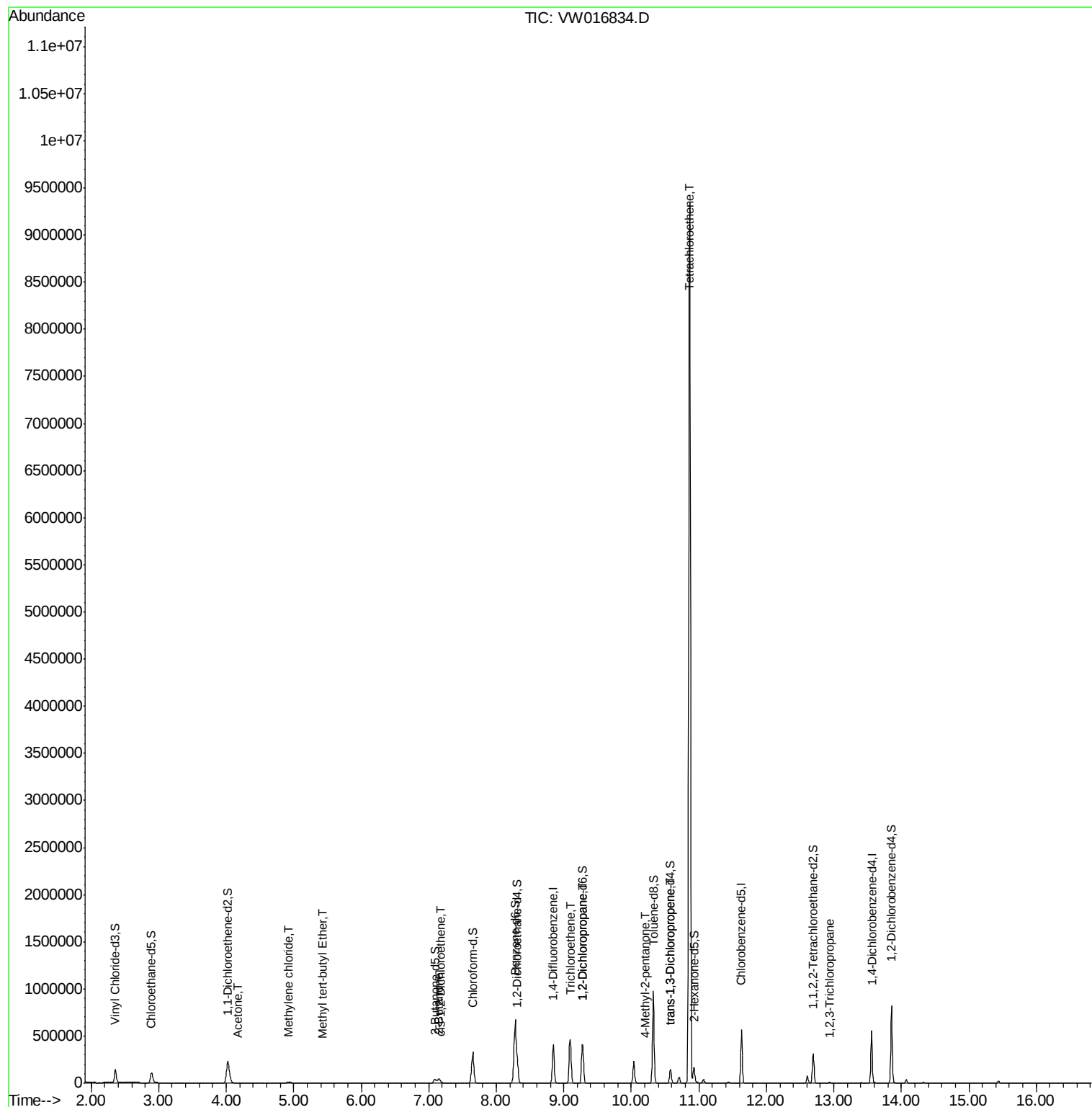
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.17	43	4622	7.296	ug/L	76
16) Methylene chloride	4.92	84	13292	2.571	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	1602	0.296	ug/L #	67
21) 2-Butanone	7.15	43	765	0.719	ug/L	93
22) cis-1,2-Dichloroethene	7.18	96	1987	0.385	ug/L	82
35) Trichloroethene	9.09	95	165426	32.311	ug/L	99
40) 1,2-Dichloropropane	9.28	63	21750	5.314	ug/L #	84
43) 4-Methyl-2-pentanone	10.21	43	1996	0.969	ug/L	95
45) trans-1,3-Dichloropropene	10.58	75	3670	0.668	ug/L	84
47) Tetrachloroethene	10.87	164	2272377	478.732	ug/L	96
59) 1,2,3-Trichloropropane	12.93	75	885	0.332	ug/L #	57

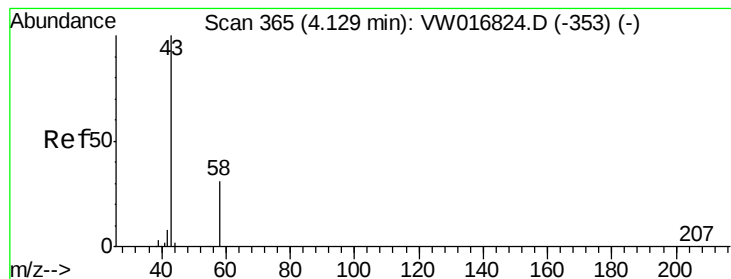
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.296 ug/L

RT: 4.17 min Scan# 371

Delta R.T. 0.04 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

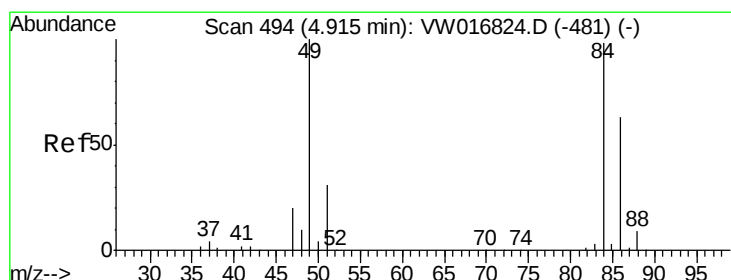
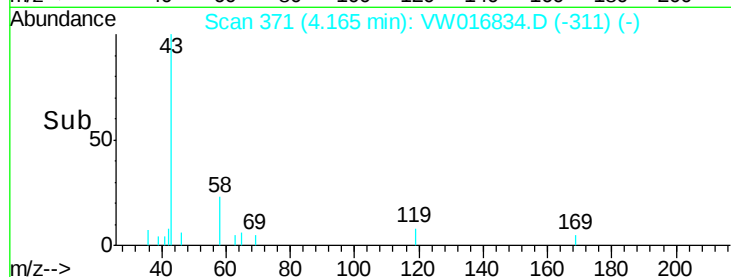
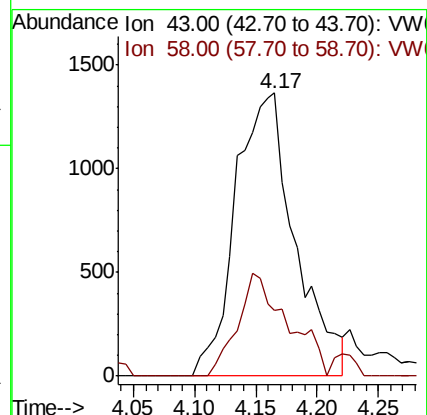
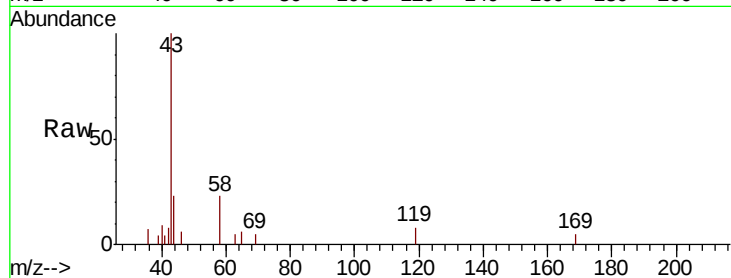
BG3W1

Tot Ion: 43 Resp: 4622

Ion Ratio Lower Upper

43 100

58 20.3 0.0 67.6



#16

Methylene chloride

Concen: 2.571 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

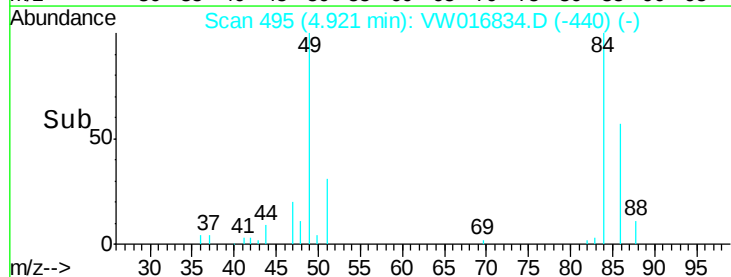
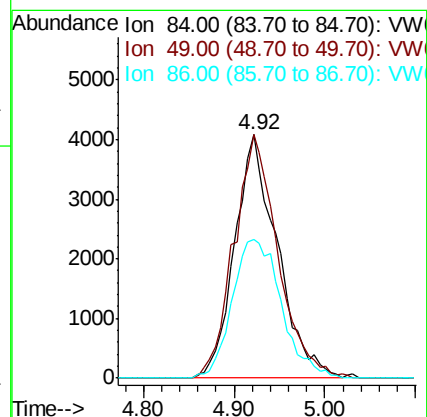
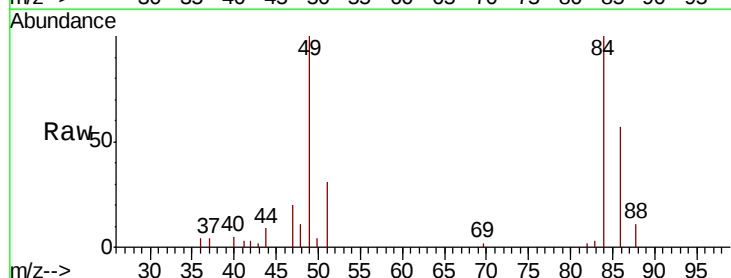
Tgt Ion: 84 Resp: 13292

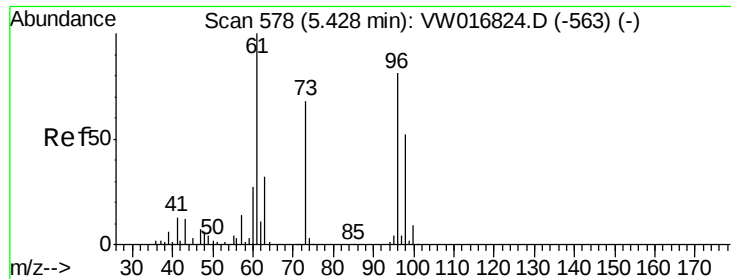
Ion Ratio Lower Upper

84 100

49 99.9 73.1 135.8

86 56.8 46.0 85.4

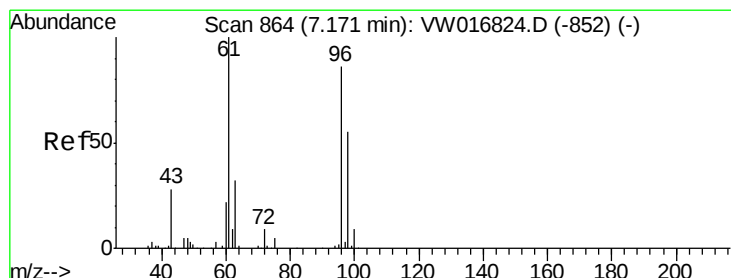
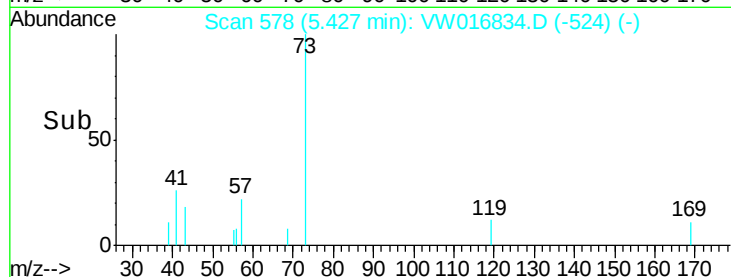
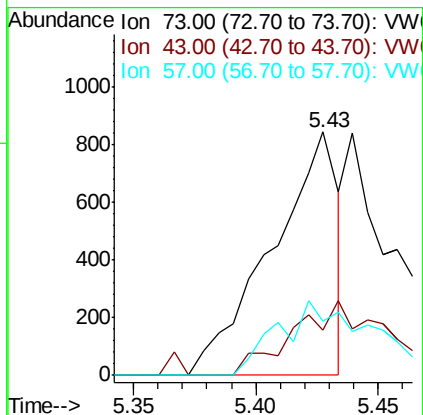
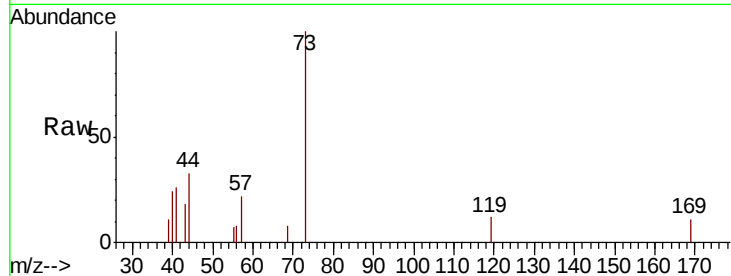




#17
Methvl tert-butvl Ether
Concen: 0.296 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016834.D
Acq: 07 Oct 2020 15:14

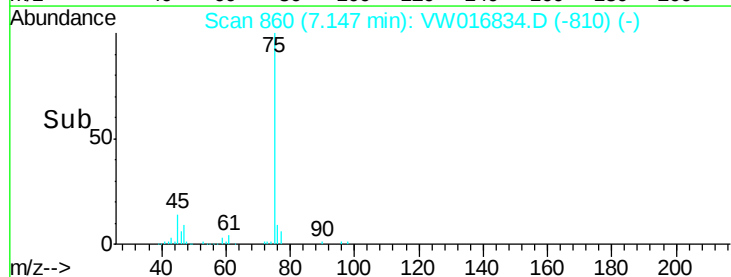
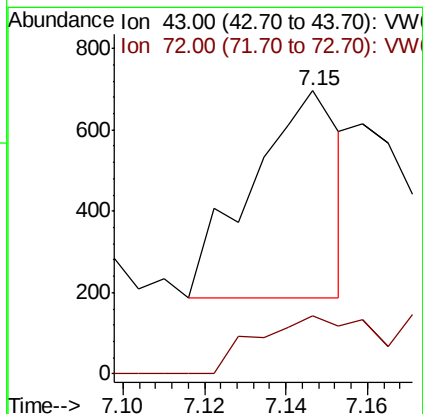
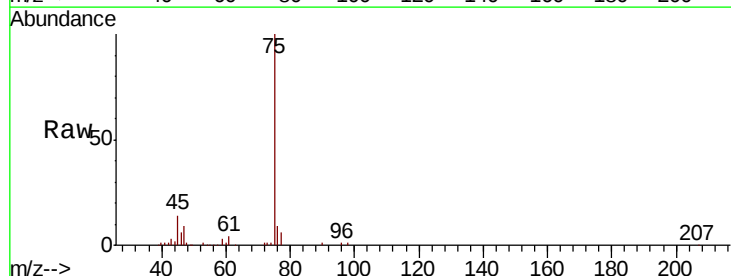
Instrument :
MSVOA_W
ClientSampled :
BG3W1

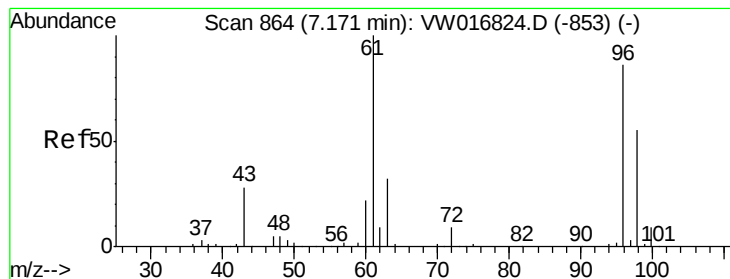
Tot Ion: 73 Resp: 1602
Ion Ratio Lower Upper
73 100
43 9.6 15.0 22.4#
57 0.0 16.4 24.6#



#21
2-Butanone
Concen: 0.719 ug/L
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW016834.D
Acq: 07 Oct 2020 15:14

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
72 36.1 16.2 48.5



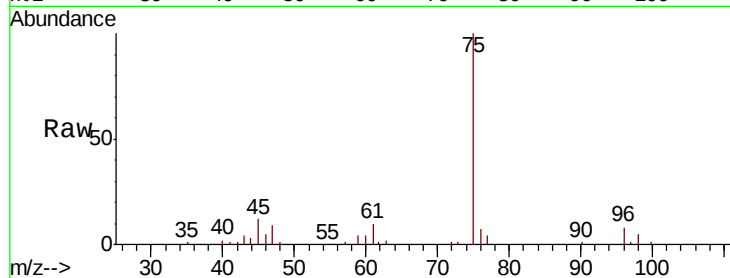


#22

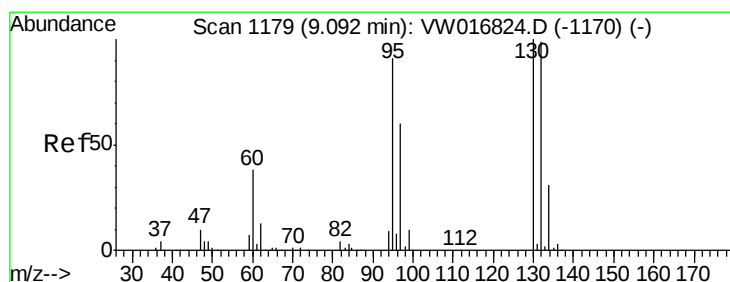
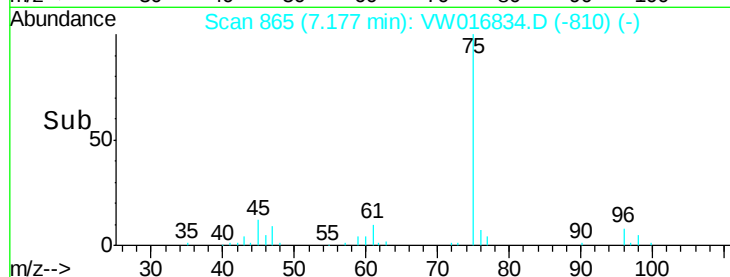
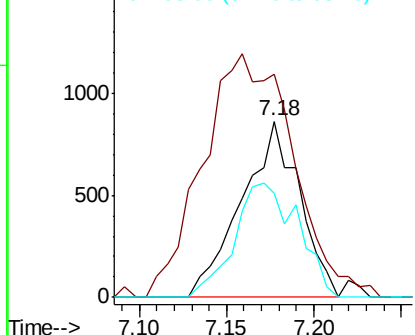
cis-1,2-Dichloroethene
Concen: 0.385 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016834.D
Acq: 07 Oct 2020 15:14

Instrument :
MSVOA_W
ClientSampleId :
BG3W1

Tot Ion: 96 Resp: 1987
Ion Ratio Lower Upper
96 100
61 136.9 76.0 141.2
98 58.8 42.7 79.3



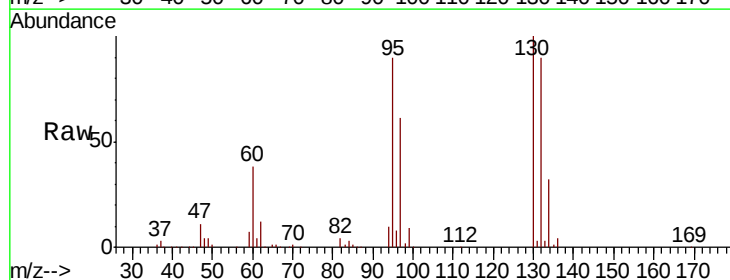
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



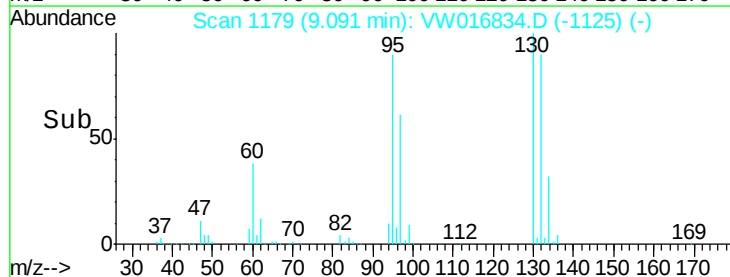
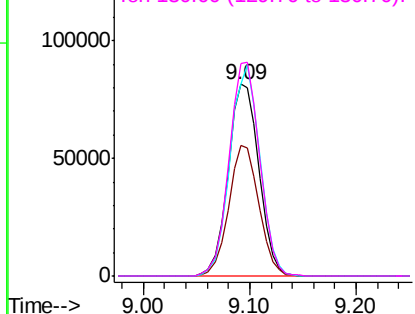
#35

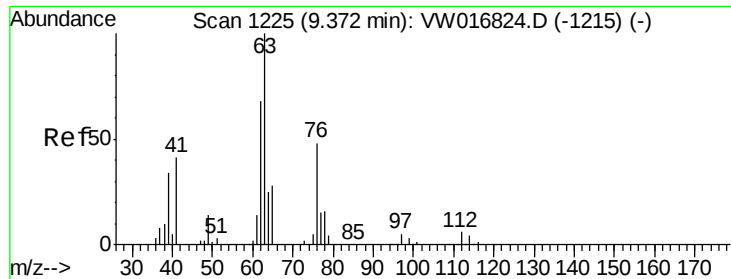
Trichloroethene
Concen: 32.311 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW016834.D
Acq: 07 Oct 2020 15:14

Tgt Ion: 95 Resp: 165426
Ion Ratio Lower Upper
95 100
97 66.7 44.7 83.1
132 107.0 73.8 137.2
130 110.4 77.1 143.3



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

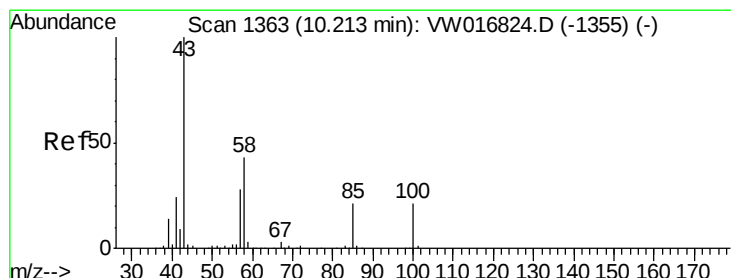
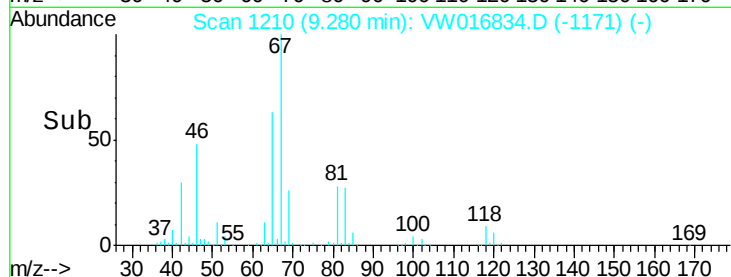
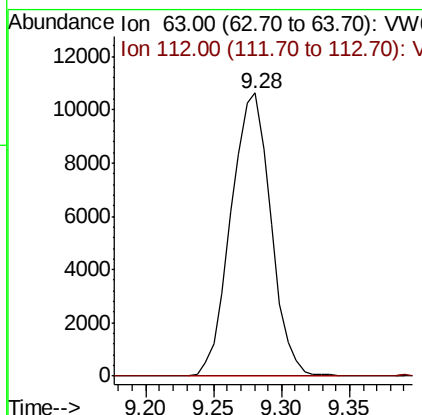
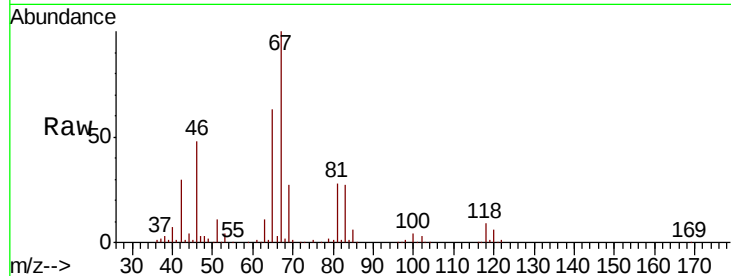




#40
 1,2-Dichloropropane
 Concen: 5.314 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016834.D
 Acq: 07 Oct 2020 15:14

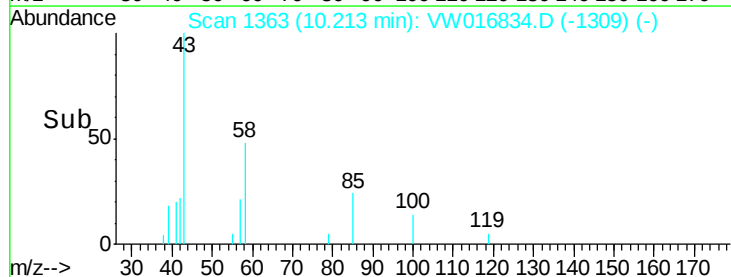
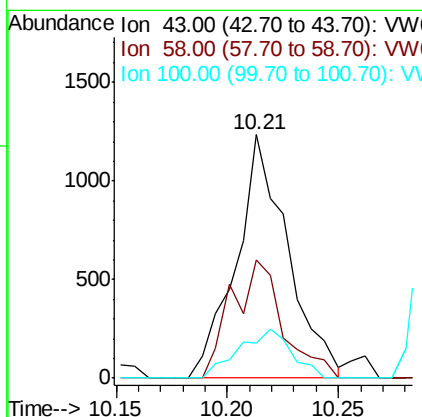
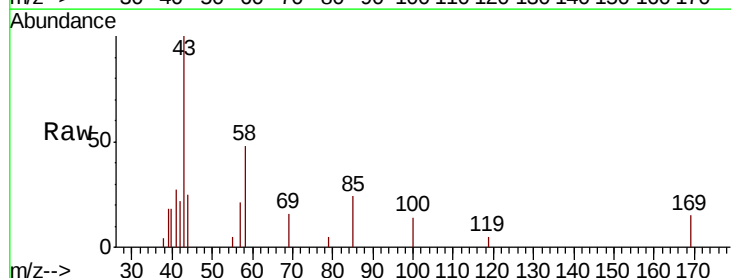
Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W1

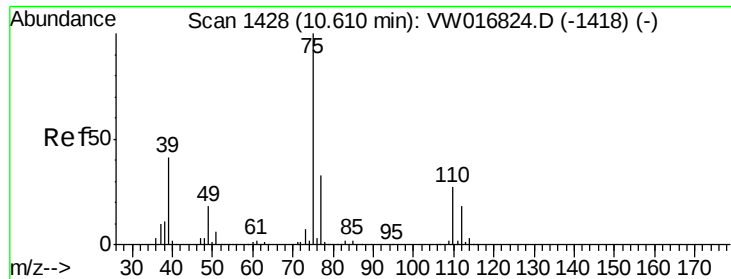
Tot Ion: 63 Resp: 21750
 Ion Ratio Lower Upper
 63 100
 112 0.1 4.5 6.7#



#43
 4-Methyl-2-pentanone
 Concen: 0.969 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016834.D
 Acq: 07 Oct 2020 15:14

Tgt Ion: 43 Resp: 1996
 Ion Ratio Lower Upper
 43 100
 58 48.0 34.7 52.1
 100 20.4 16.9 25.3





#45

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

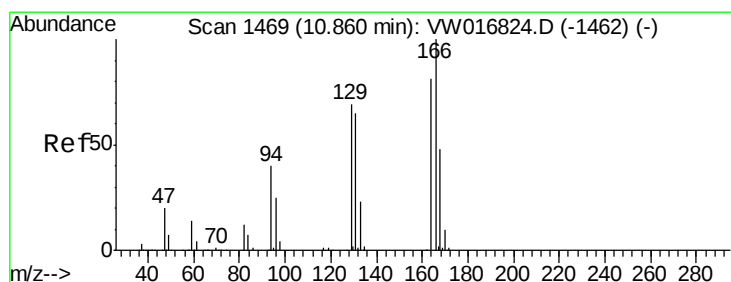
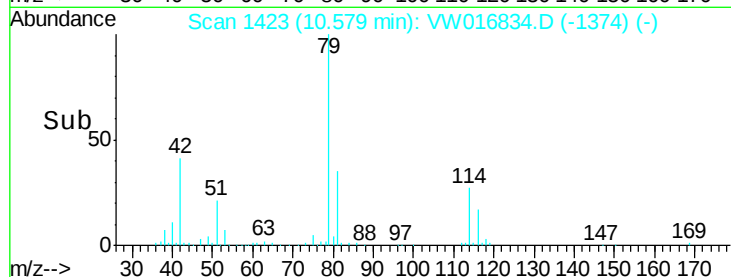
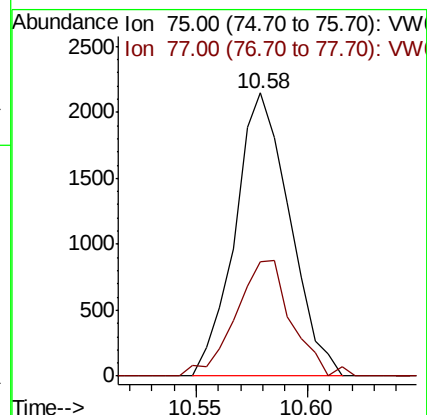
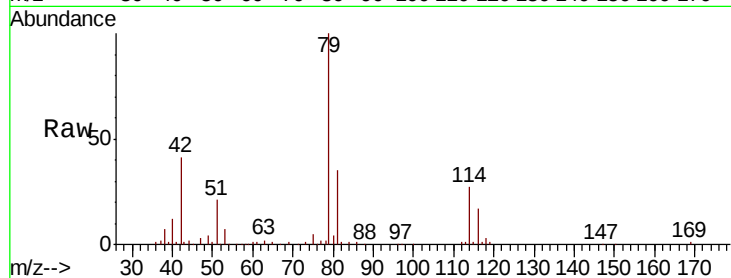
BG3W1

Tot Ion: 75 Resp: 3670

Ion Ratio Lower Upper

75 100

77 40.4 22.2 41.2



#47

Tetrachloroethene

Concen: 478.732 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Tgt Ion: 164 Resp: 2272377

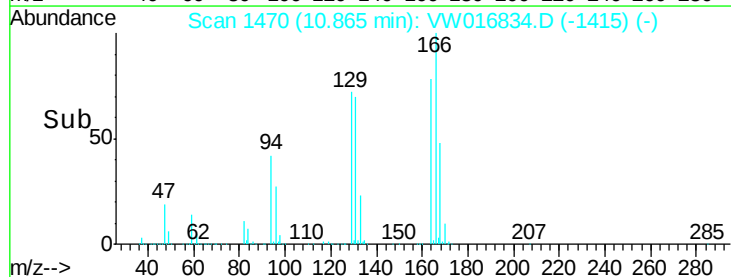
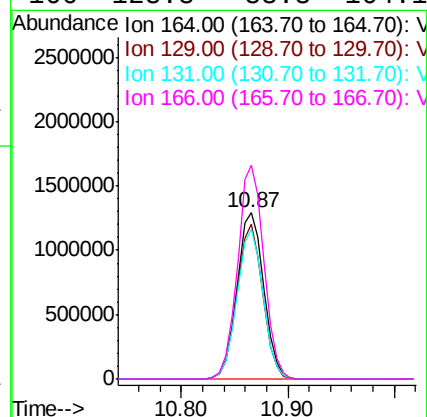
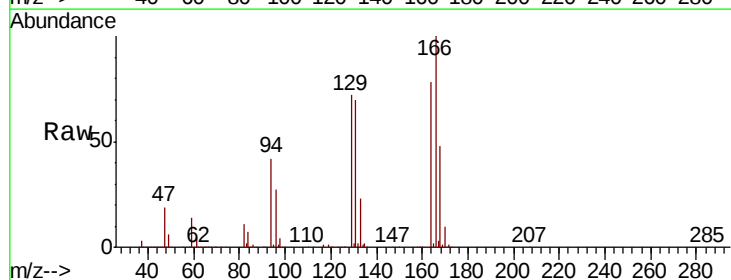
Ion Ratio Lower Upper

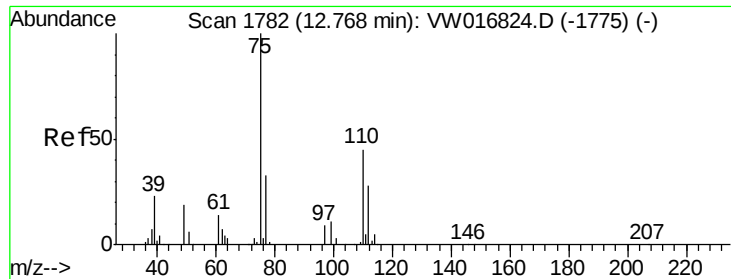
164 100

129 93.0 61.7 114.7

131 90.6 59.7 110.9

166 128.8 88.3 164.1





#59

1,2,3-Trichloropropane

Concen: 0.332 ug/L

RT: 12.93 min Scan# 1809

Delta R.T. 0.16 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

BG3W1

Tot Ion: 75 Resp: 885

Ion Ratio Lower Upper

75 100

77 8.6 26.2 39.2#

