

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017083.D
 Acq On : 04 Nov 2020 20:00
 Operator : SY/VA
 Sample : L4615-11
 Misc : 5.510G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG483

Quant Time: Nov 05 06:31:57 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	8.85	114	509237	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	462416	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	209724	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149717	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
7) Chloroethane-d5	2.89	69	111658	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.36%
10) 1,1-Dichloroethene-d2	4.03	63	199920	17.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.72%
20) 2-Butanone-d5	7.08	46	48548	33.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.70%
24) Chloroform-d	7.65	84	270734	22.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	8.40	65	117	0.02	ug/L	0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	564026	23.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.80%
33) 1,2-Dichloropropane-d6	9.27	67	154356	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.80%
37) Toluene-d8	10.32	98	537209	24.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.76%
38) trans-1,3-Dichloropropene-	10.58	79	61563	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.84%
39) 2-Hexanone-d5	10.93	63	40476	35.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109230	19.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	187687	25.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.60%

Target Compounds

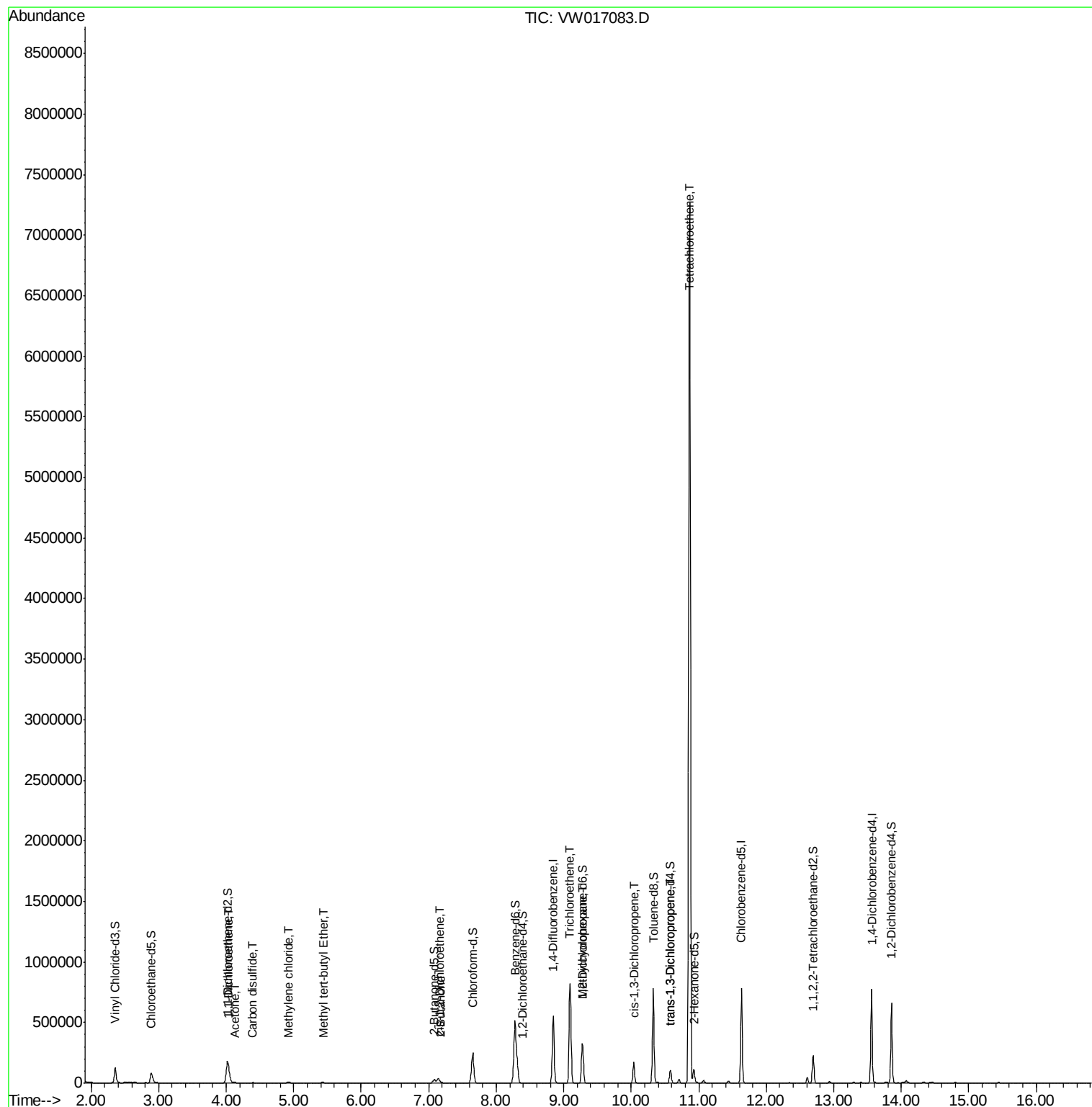
					Ovalue
12) 1,1-Dichloroethene	4.04	96	2793	0.442 ug/L #	1
13) Acetone	4.13	43	9323	9.707 ug/L	96
14) Carbon disulfide	4.39	76	6465	0.376 ug/L	100
16) Methylene chloride	4.92	84	7145	1.041 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	10141	1.314 ug/L #	86
21) 2-Butanone	7.18	43	1341	0.870 ug/L	88
22) cis-1,2-Dichloroethene	7.17	96	3408	0.493 ug/L	92
35) Trichloroethene	9.09	95	288963	42.483 ug/L	99
36) Methylcyclohexane	9.27	83	39870	3.643 ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	4616	0.513 ug/L	87
45) trans-1,3-Dichloropropene	10.58	75	2697	0.349 ug/L	92
47) Tetrachloroethene	10.87	164	1771719	288.704 ug/L	98

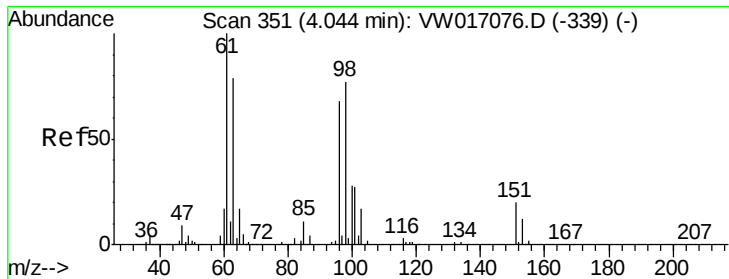
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.442 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

Instrument :

MSVOA_W

ClientSampled :

BG483

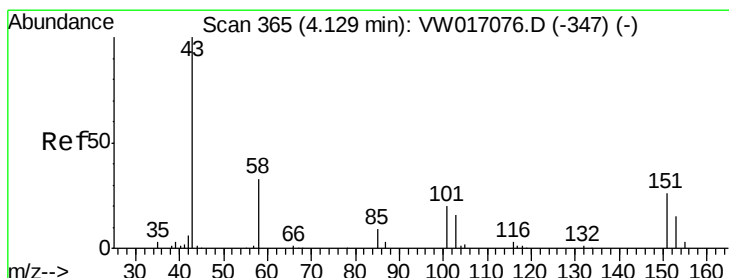
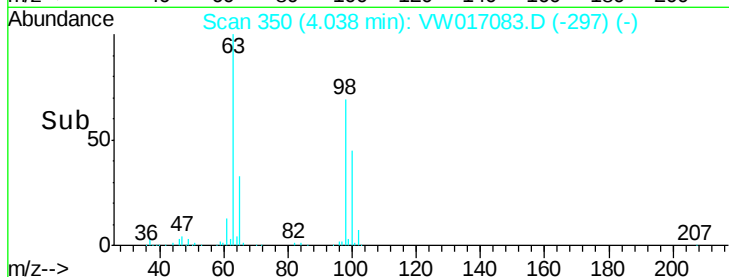
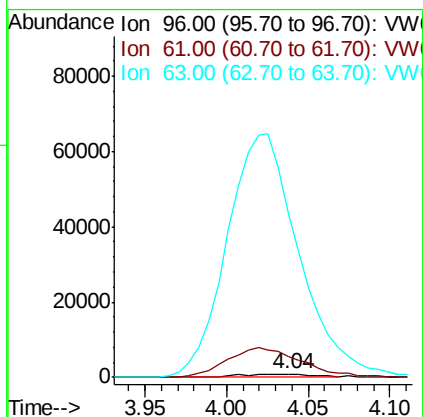
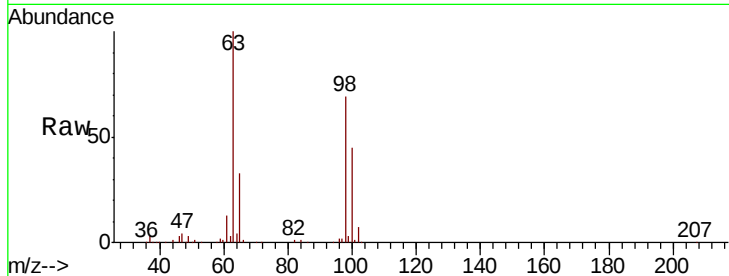
Tot Ion: 96 Resp: 2793

Ion Ratio Lower Upper

96 100

61 619.8 103.8 192.8#

63 4752.2 84.4 156.7#



#13

Acetone

Concen: 9.707 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017083.D

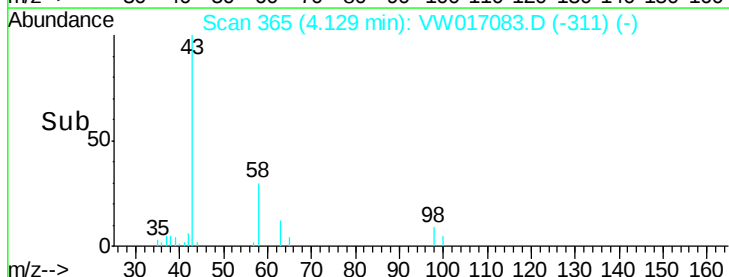
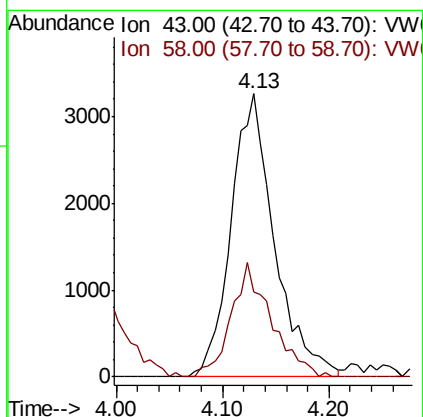
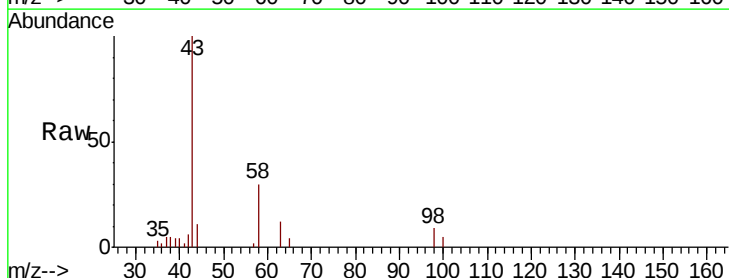
Acq: 04 Nov 2020 20:00

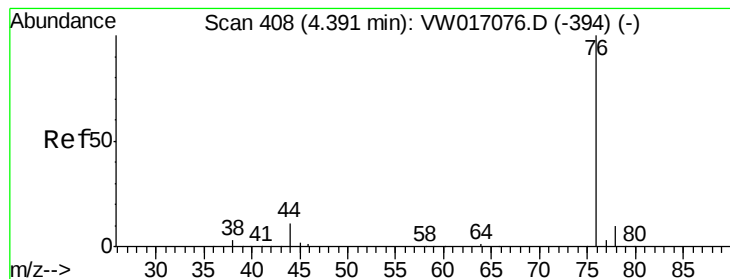
Tgt Ion: 43 Resp: 9323

Ion Ratio Lower Upper

43 100

58 36.9 0.0 69.2





#14

Carbon disulfide

Concen: 0.376 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

Instrument :

MSVOA_W

ClientSampled :

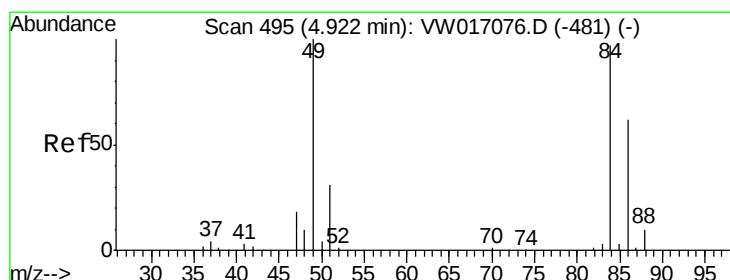
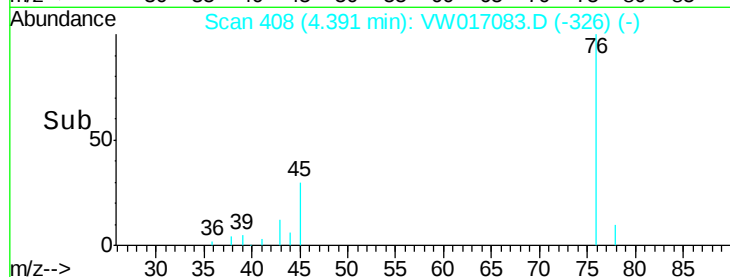
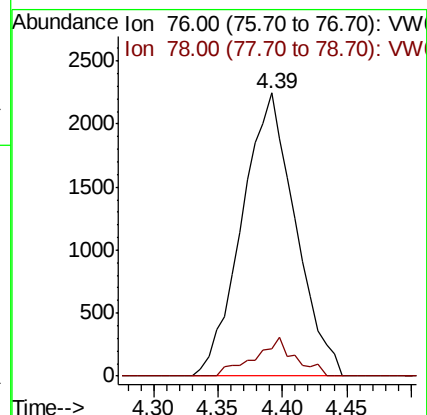
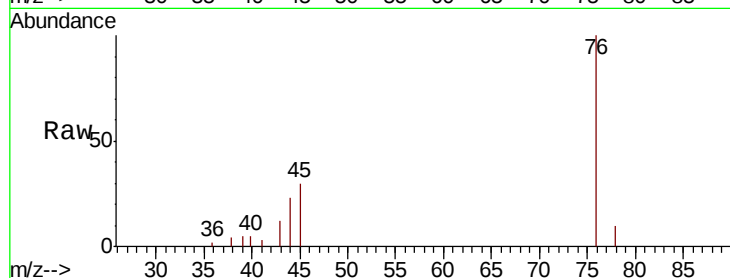
BG483

Tot Ion: 76 Resp: 6465

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



#16

Methylene chloride

Concen: 1.041 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

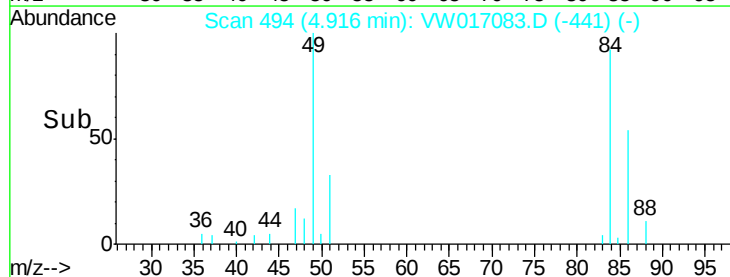
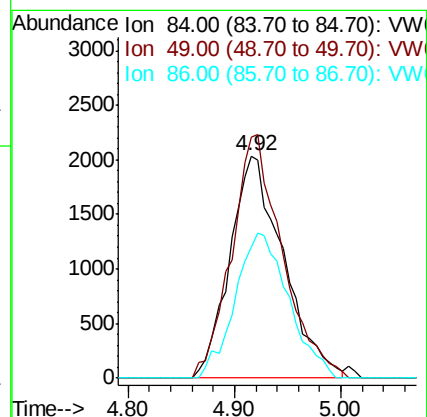
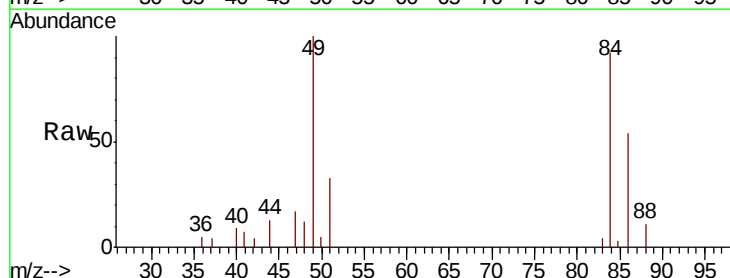
Tgt Ion: 84 Resp: 7145

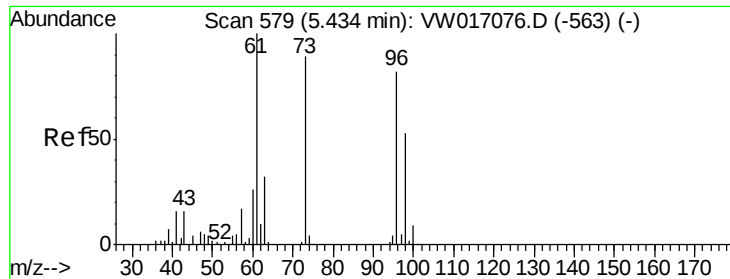
Ion Ratio Lower Upper

84 100

49 108.6 72.3 134.3

86 58.8 45.1 83.7

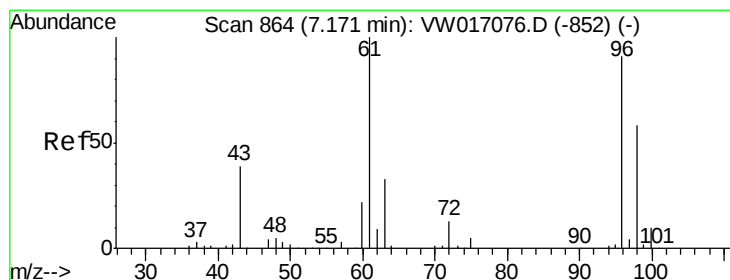
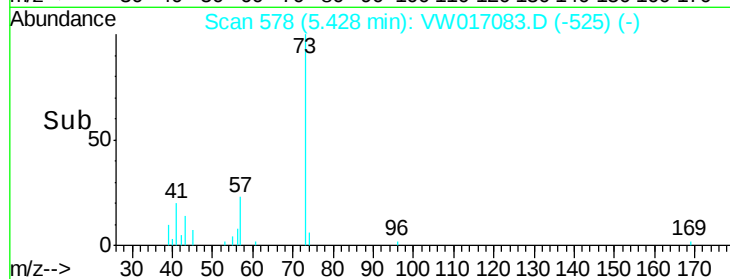
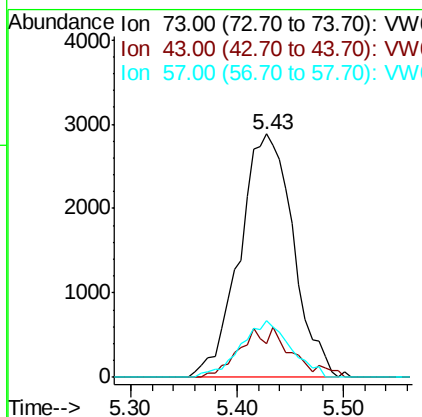
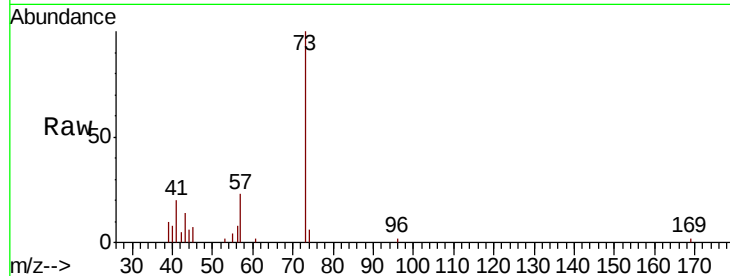




#17
Methvl tert-butvl Ether
Concen: 1.314 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017083.D
Acq: 04 Nov 2020 20:00

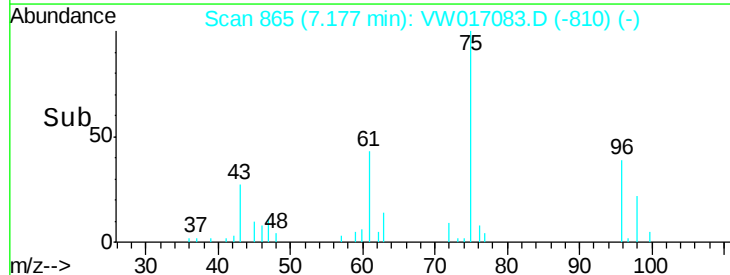
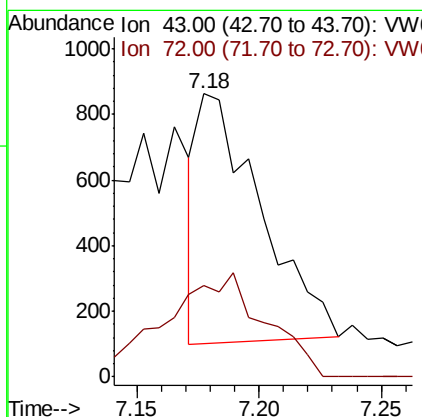
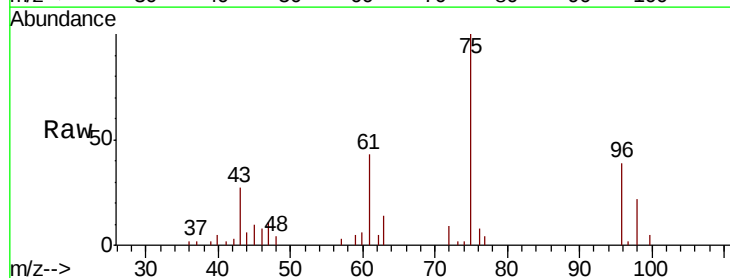
Instrument :
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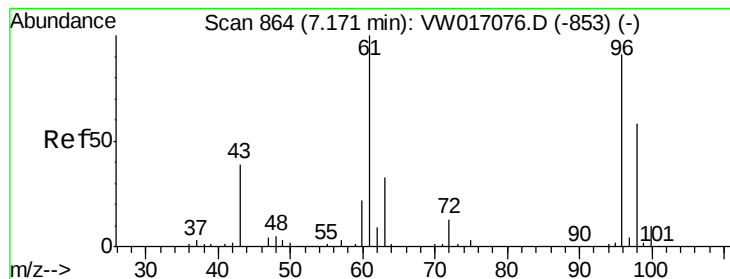
Tot Ion: 73 Resp: 10141
Ion Ratio Lower Upper
73 100
43 5.9 14.5 21.7#
57 21.6 16.3 24.5



#21
2-Butanone
Concen: 0.870 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017083.D
Acq: 04 Nov 2020 20:00

Tgt Ion: 43 Resp: 1341
Ion Ratio Lower Upper
43 100
72 38.9 16.1 48.3





#22

cis-1,2-Dichloroethene

Concen: 0.493 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

Instrument :

MSVOA_W

ClientSampleId :

BG483

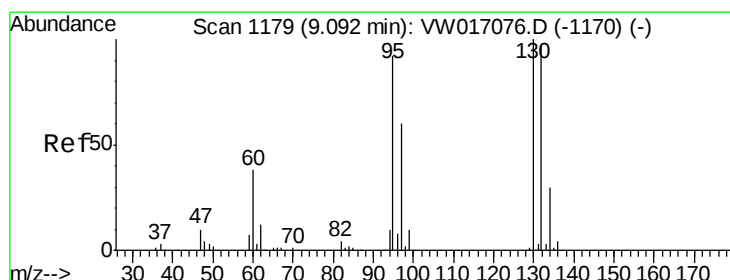
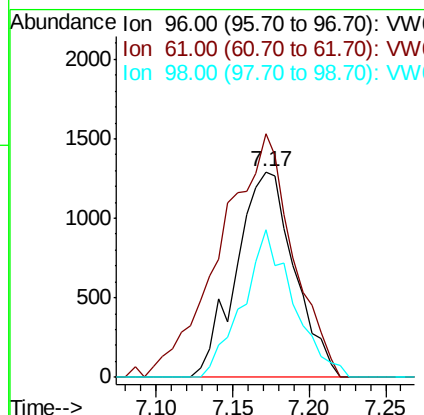
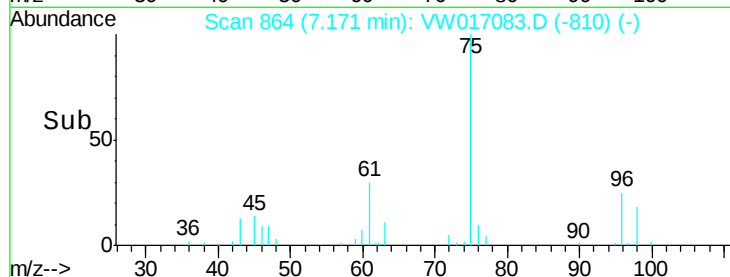
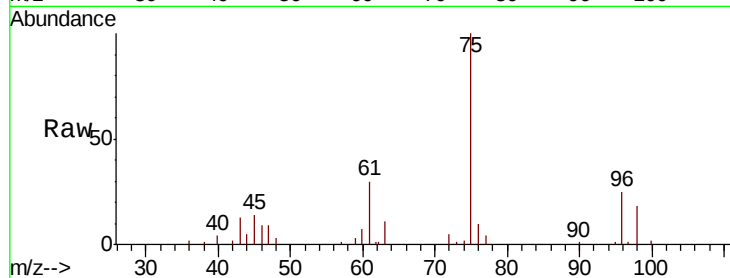
Tot Ion: 96 Resp: 3408

Ion Ratio Lower Upper

96 100

61 118.5 77.4 143.8

98 71.9 45.1 83.7



#35

Trichloroethene

Concen: 42.483 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

Tgt Ion: 95 Resp: 288963

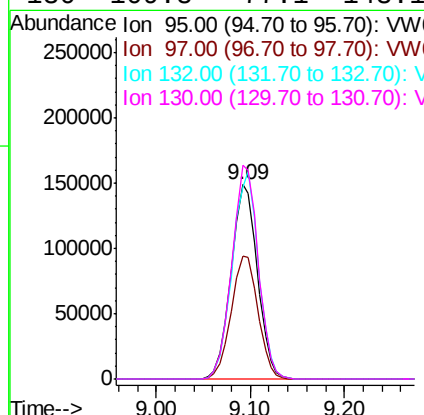
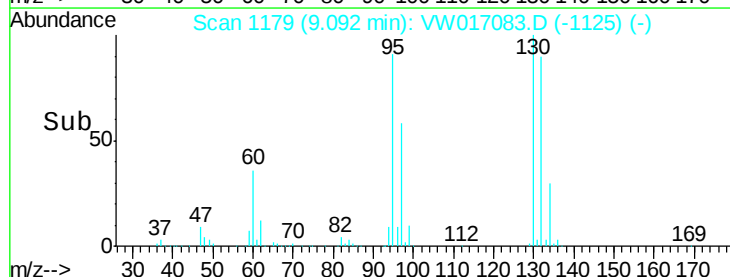
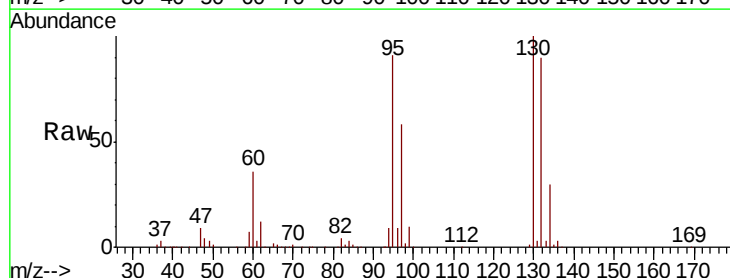
Ion Ratio Lower Upper

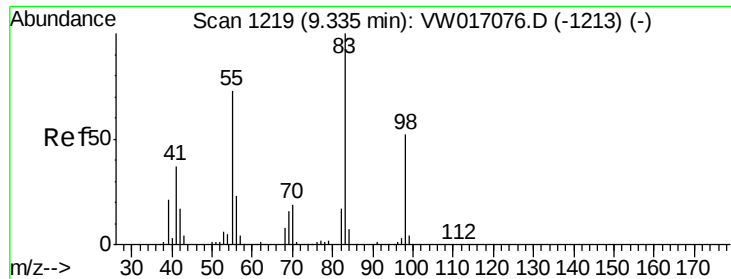
95 100

97 64.7 45.0 83.6

132 106.2 73.7 136.9

130 109.8 77.1 143.1

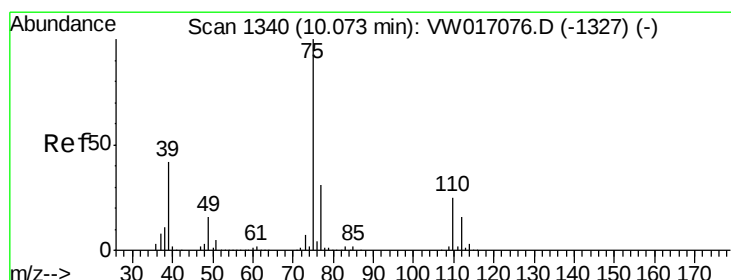
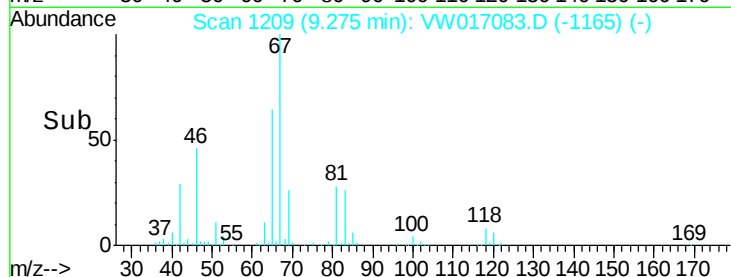
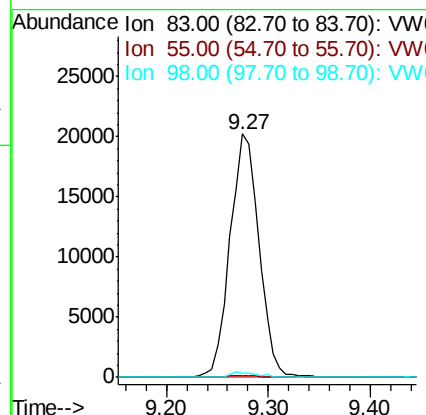
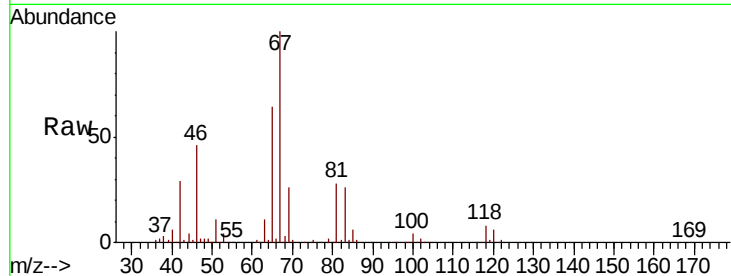




#36
Methylcyclohexane
Concen: 3.643 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017083.D
Acq: 04 Nov 2020 20:00

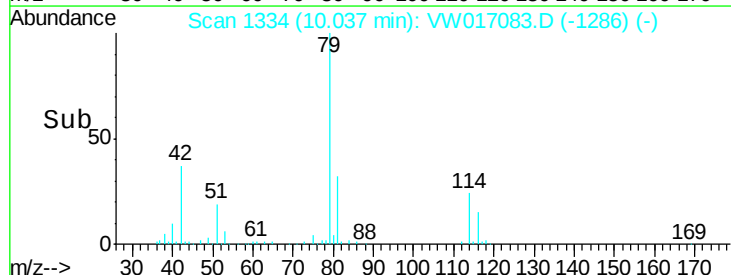
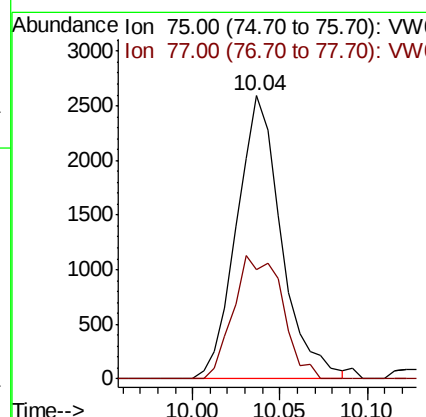
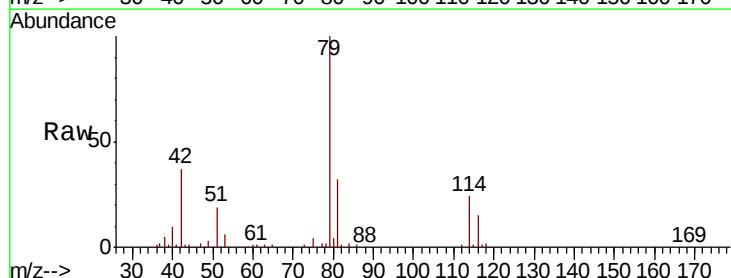
Instrument :
MSVOA_W
ClientSampled :
BG483

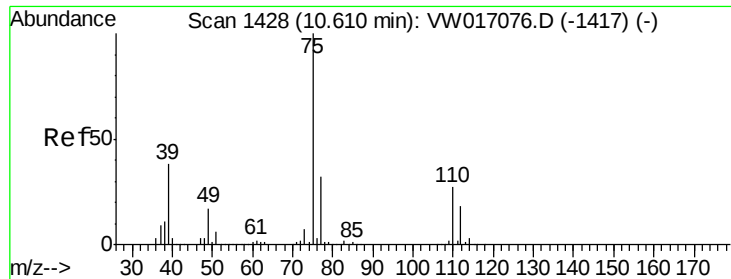
Tot Ion: 83 Resp: 39870
Ion Ratio Lower Upper
83 100
55 0.6 54.4 81.6#
98 2.1 40.5 60.7#



#42
cis-1,3-Dichloropropene
Concen: 0.513 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017083.D
Acq: 04 Nov 2020 20:00

Tgt Ion: 75 Resp: 4616
Ion Ratio Lower Upper
75 100
77 38.5 22.0 41.0





#45

trans-1,3-Dichloropropene

Concen: 0.349 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

Instrument :

MSVOA_W

ClientSampleId :

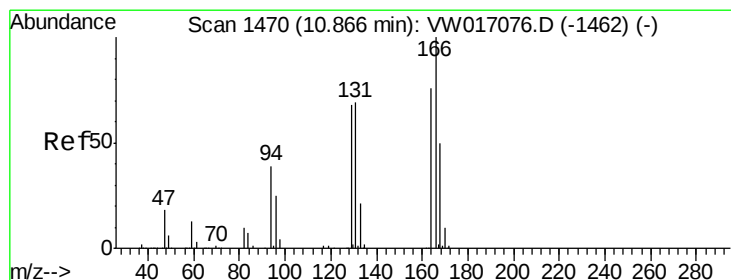
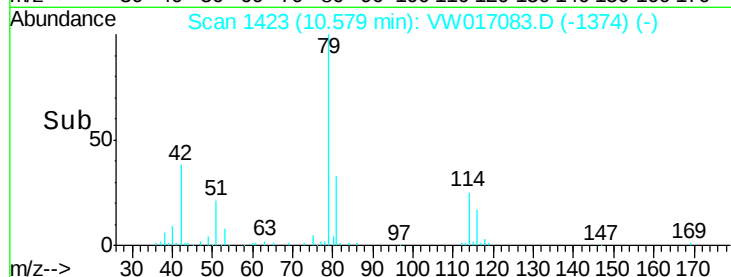
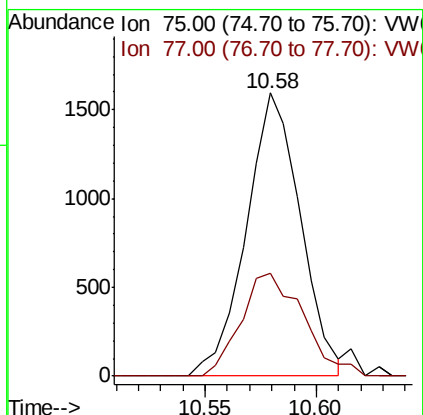
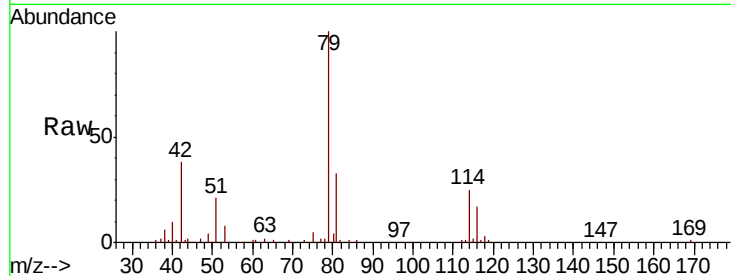
BG483

Tot Ion: 75 Resp: 2697

Ion Ratio Lower Upper

75 100

77 36.3 22.1 41.1



#47

Tetrachloroethene

Concen: 288.704 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017083.D

Acq: 04 Nov 2020 20:00

Tgt Ion: 164 Resp: 1771719

Ion Ratio Lower Upper

164 100

129 90.6 62.9 116.7

131 91.5 63.3 117.5

166 134.5 92.0 170.8

