

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017538.D
 Acq On : 03 Dec 2020 17:09
 Operator : SY/VA
 Sample : L4920-15
 Misc : 5.76G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4G1

Quant Time: Dec 04 06:20:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	423438	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375250	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156722	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90111	15.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.72%
7) Chloroethane-d5	2.89	69	81556	17.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.32%
10) 1,1-Dichloroethene-d2	4.03	63	154931	12.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.24%
20) 2-Butanone-d5	7.08	46	63608	52.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.14%
24) Chloroform-d	7.65	84	239156	19.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.64%
26) 1,2-Dichloroethane-d4	8.45	65	63	0.01	ug/L	0.14
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	449424	19.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.52%
33) 1,2-Dichloropropane-d6	9.27	67	136799	20.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.32%
37) Toluene-d8	10.32	98	398571	18.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.88%
38) trans-1,3-Dichloropropene-	10.58	79	56275	19.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.20%
39) 2-Hexanone-d5	10.93	63	40844	49.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108687	22.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	123161	20.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.32%

Target Compounds

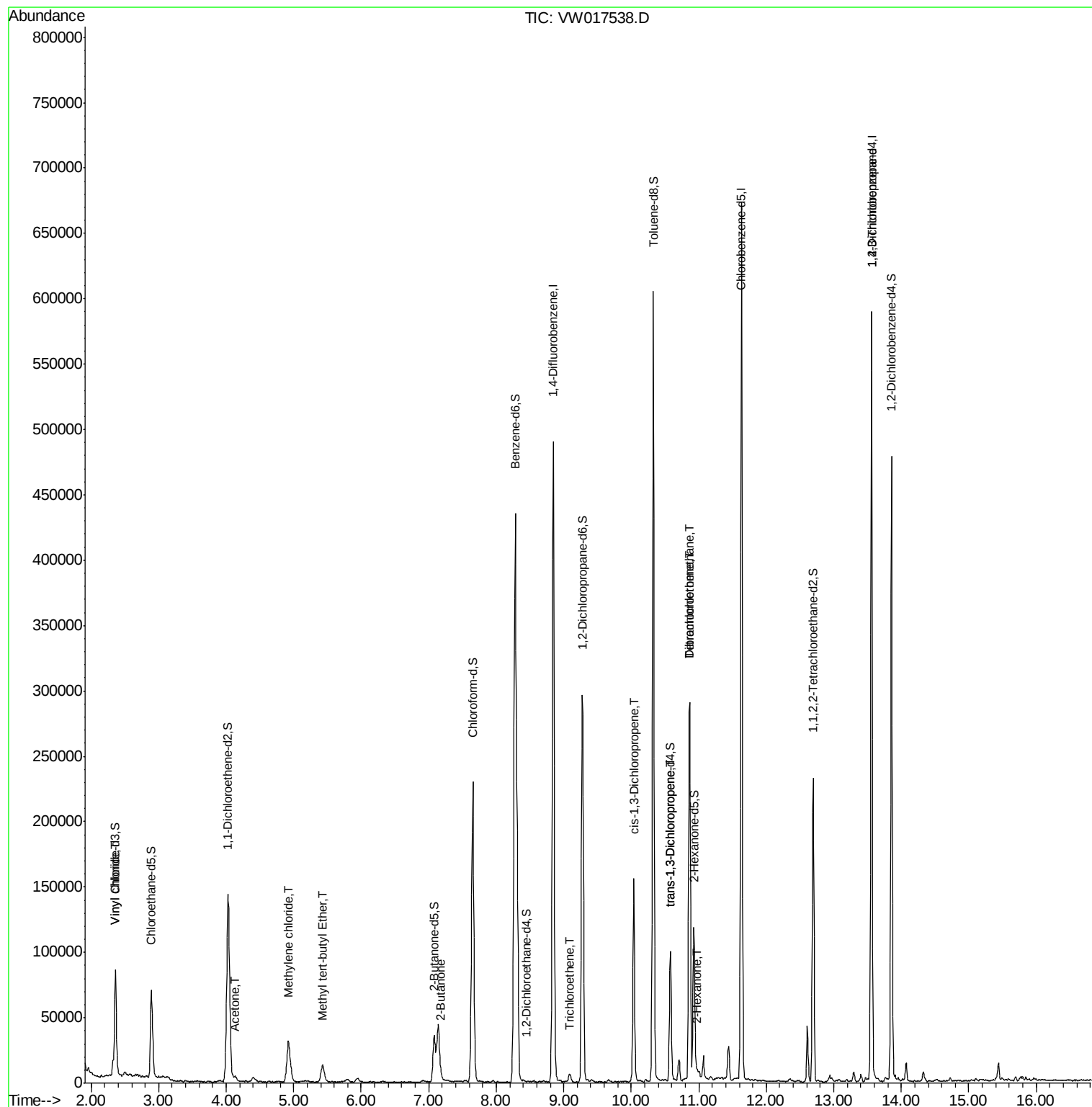
					Ovalue
5) Vinyl chloride	2.37	62	7611	1.463	ug/L # 67
13) Acetone	4.14	43	5711	4.803	ug/L 85
16) Methylene chloride	4.93	84	26972	4.224	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	19796	3.067	ug/L # 89
21) 2-Butanone	7.18	43	1343	0.953	ug/L 92
35) Trichloroethene	9.10	95	1594	0.253	ug/L # 69
42) cis-1,3-Dichloropropene	10.03	75	4325	0.520	ug/L # 75
45) trans-1,3-Dichloropropene	10.58	75	2653	0.370	ug/L 92
47) Tetrachloroethene	10.87	164	66630	12.471	ug/L 98
49) 2-Hexanone	10.98	43	1300	0.712	ug/L # 69
50) Dibromochloromethane	10.86	129	63816	12.749	ug/L # 12
59) 1,2,3-Trichloropropane	13.56	75	17749	5.497	ug/L 99

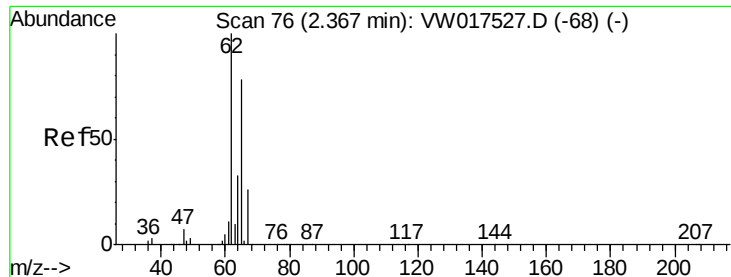
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BG4G1

Quant Time: Dec 04 06:20:07 2020
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Quant Title : VOC Analysis
QLast Update : Fri Dec 04 06:16:45 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.463 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Instrument :

MSVOA_W

ClientSampleId :

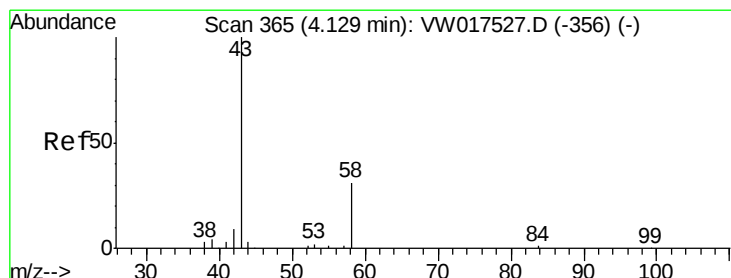
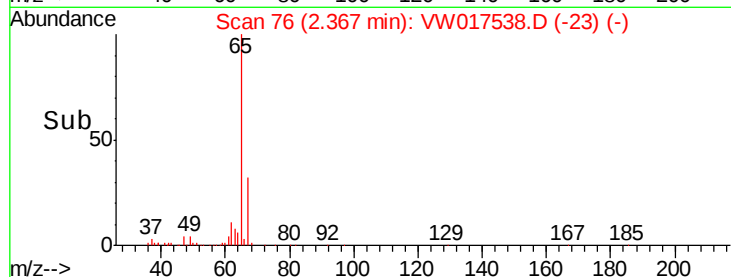
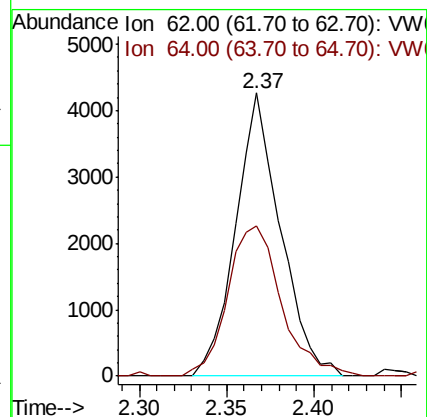
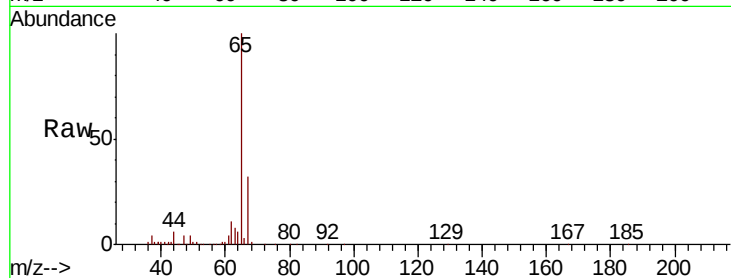
BG4G1

Tot Ion: 62 Resp: 7611

Ion Ratio Lower Upper

62 100

64 53.0 23.9 44.5#



#13

Acetone

Concen: 4.803 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW017538.D

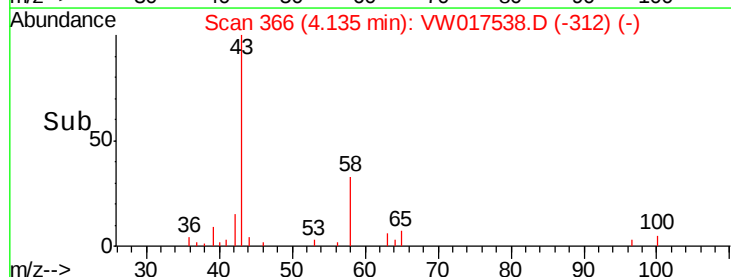
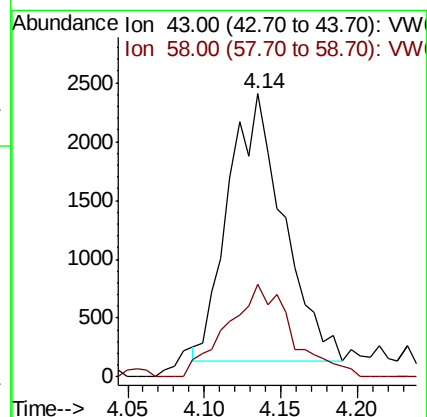
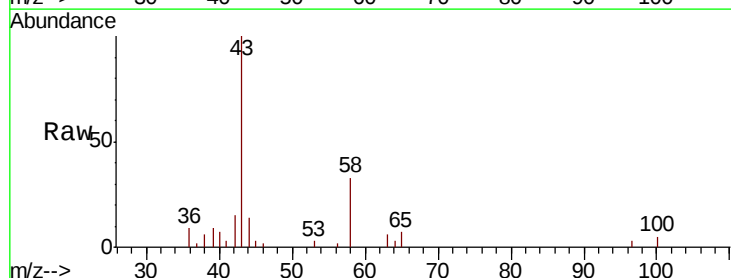
Acq: 03 Dec 2020 17:09

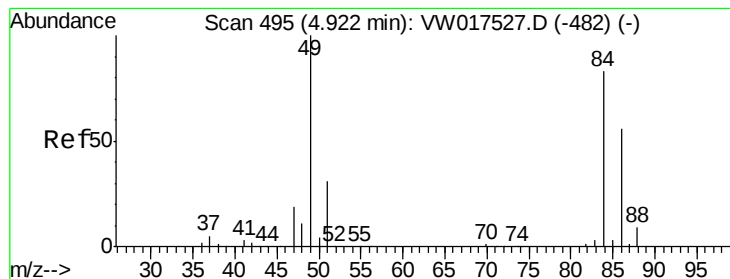
Tgt Ion: 43 Resp: 5711

Ion Ratio Lower Upper

43 100

58 25.5 0.0 68.4





#16

Methylene chloride

Concen: 4.224 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Instrument :

MSVOA_W

ClientSampled :

BG4G1

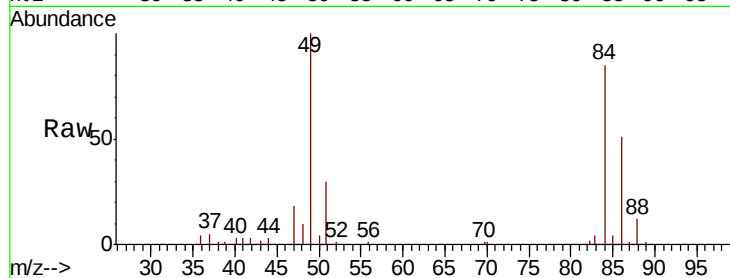
Tot Ion: 84 Resp: 26972

Ion Ratio Lower Upper

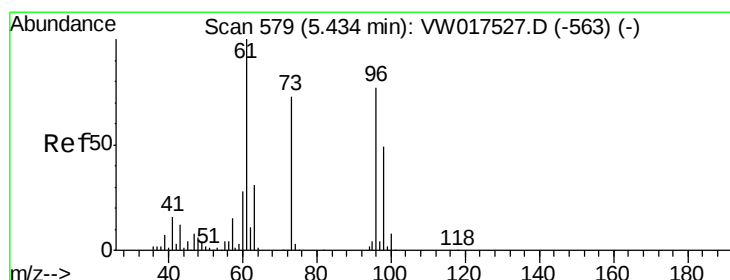
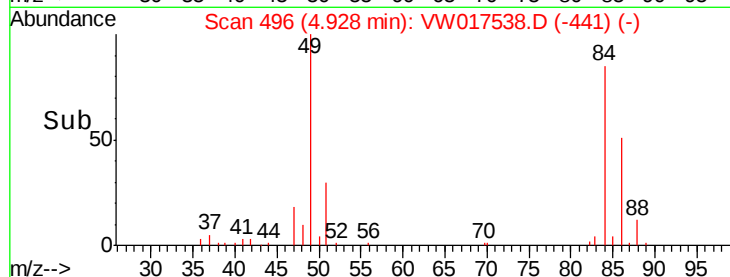
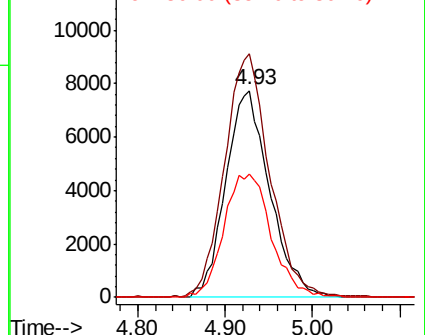
84 100

49 117.7 81.2 150.8

86 59.5 44.5 82.7



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: 3.067 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

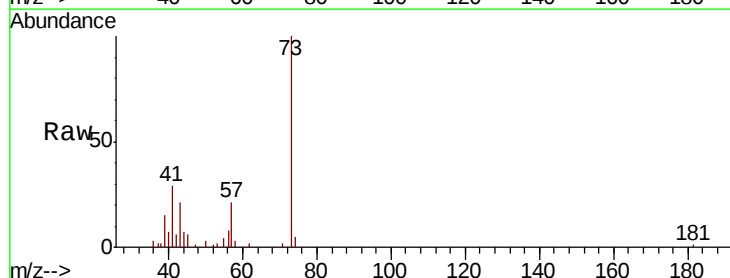
Tgt Ion: 73 Resp: 19796

Ion Ratio Lower Upper

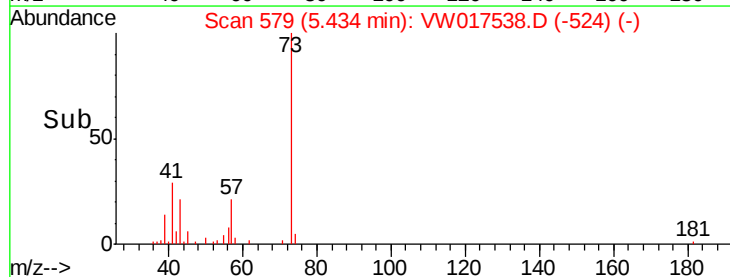
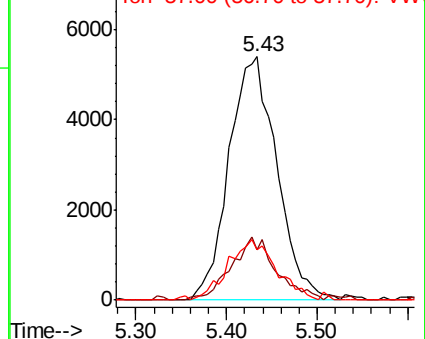
73 100

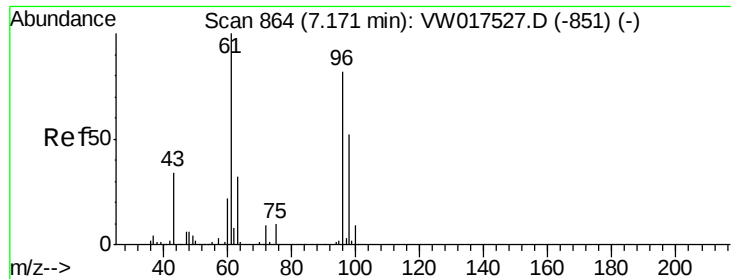
43 23.2 16.2 24.4

57 13.8 17.2 25.8#



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





#21

2-Butanone

Concen: 0.953 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Instrument :

MSVOA_W

ClientSampleId :

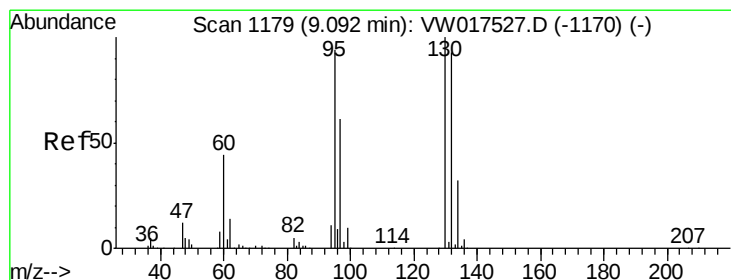
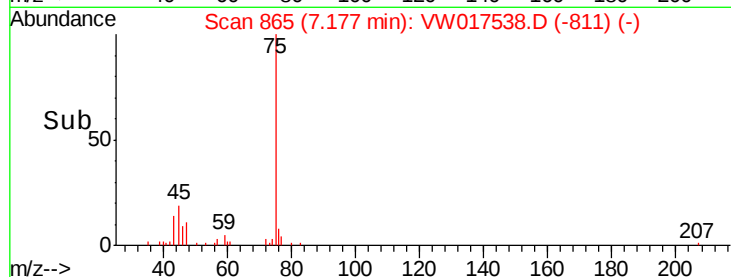
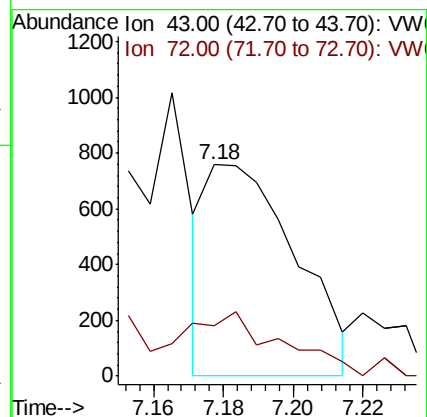
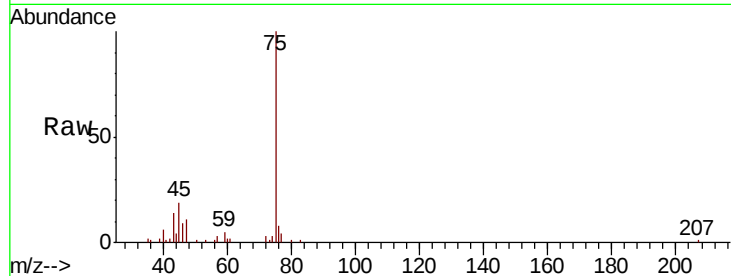
BG4G1

Tot Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

72 32.8 14.4 43.2



#35

Trichloroethene

Concen: 0.253 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Tgt Ion: 95 Resp: 1594

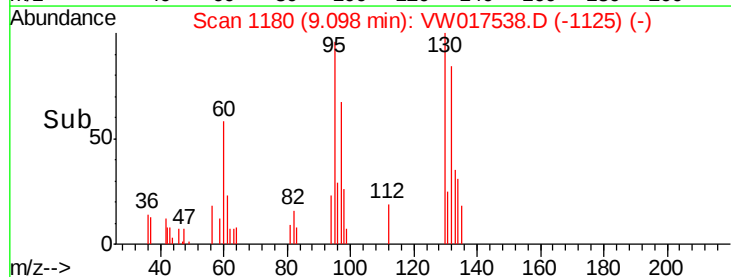
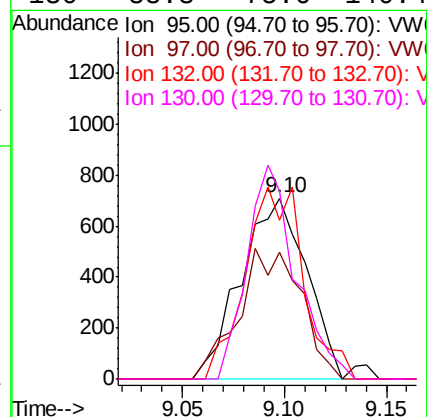
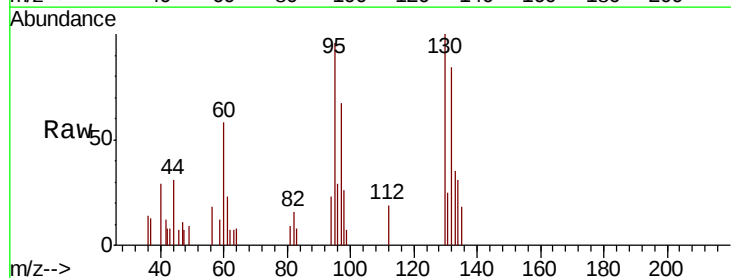
Ion Ratio Lower Upper

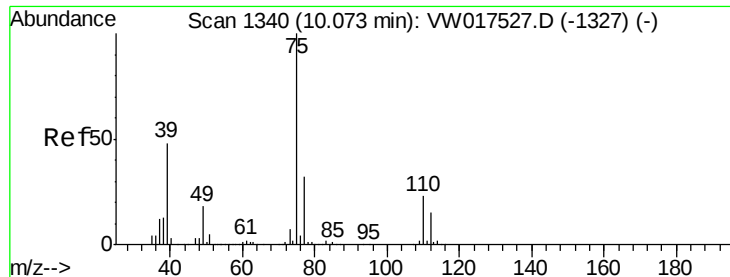
95 100

97 36.2 45.0 83.6#

132 60.5 71.0 131.8#

130 88.3 75.6 140.4





#42

cis-1,3-Dichloropropene

Concen: 0.520 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Instrument :

MSVOA_W

ClientSampleId :

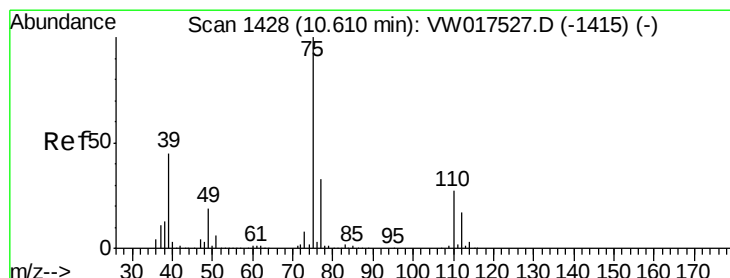
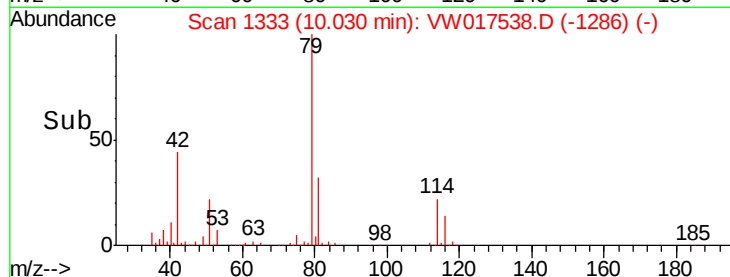
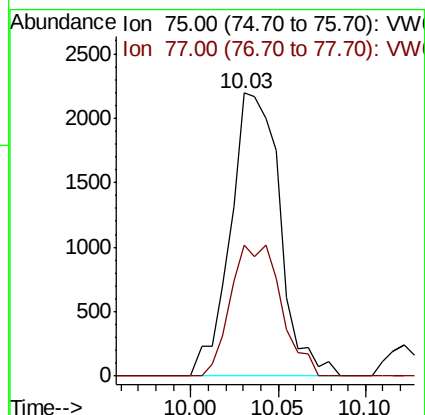
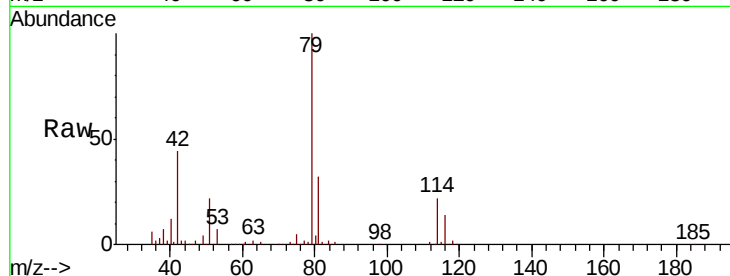
BG4G1

Tot Ion: 75 Resp: 4325

Ion Ratio Lower Upper

75 100

77 46.3 22.7 42.3#



#45

trans-1,3-Dichloropropene

Concen: 0.370 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017538.D

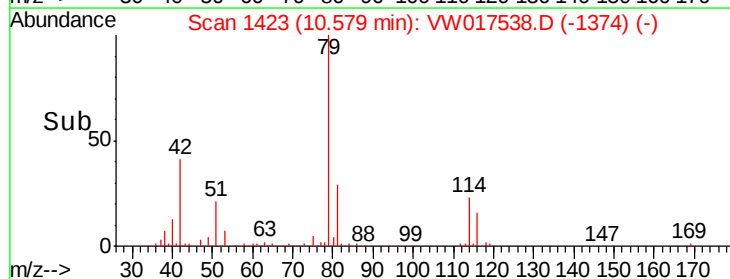
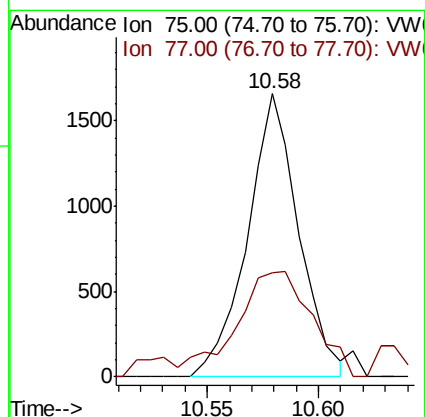
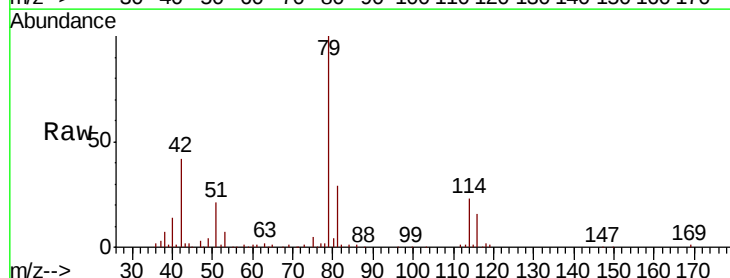
Acq: 03 Dec 2020 17:09

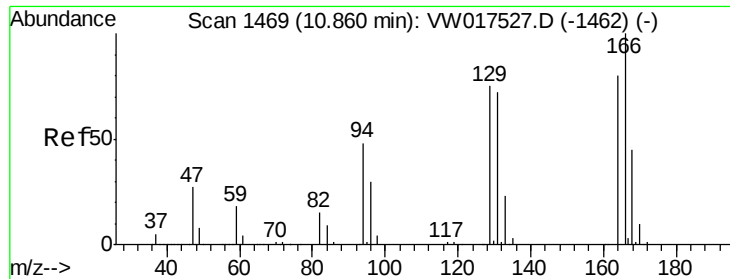
Tgt Ion: 75 Resp: 2653

Ion Ratio Lower Upper

75 100

77 36.8 22.6 42.0





#47

Tetrachloroethene

Concen: 12.471 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Instrument :

MSVOA_W

ClientSampleId :

BG4G1

Tot Ion:164 Resp: 66630

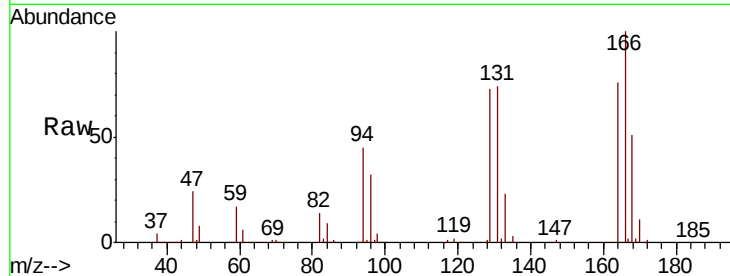
Ion Ratio Lower Upper

164 100

129 96.1 67.6 125.6

131 96.7 65.2 121.2

166 130.9 93.2 173.2

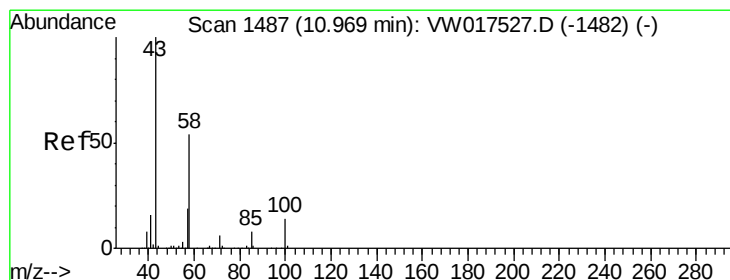
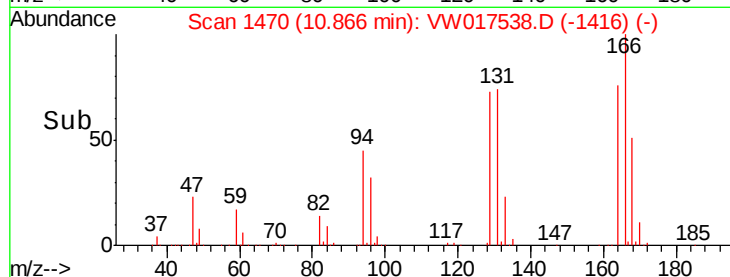
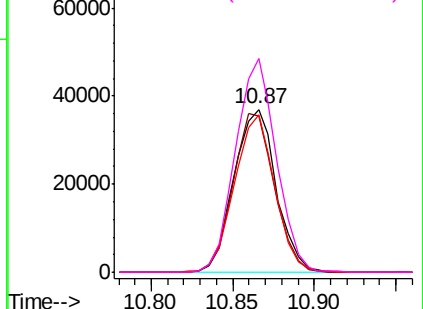


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 0.712 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Tgt Ion: 43 Resp: 1300

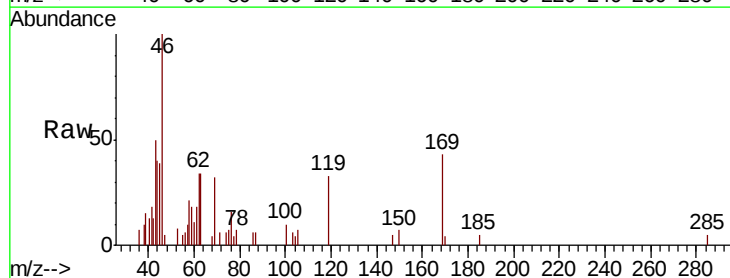
Ion Ratio Lower Upper

43 100

58 38.2 51.3 76.9#

57 0.0 15.0 22.6#

100 12.9 12.2 18.2

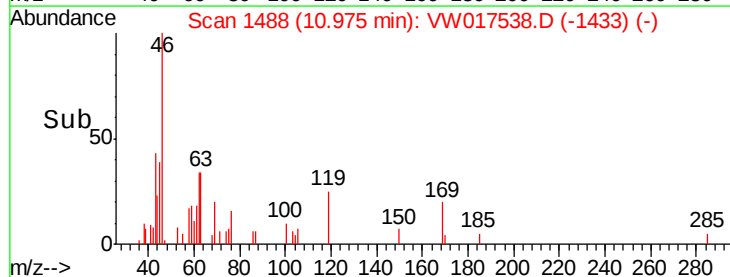
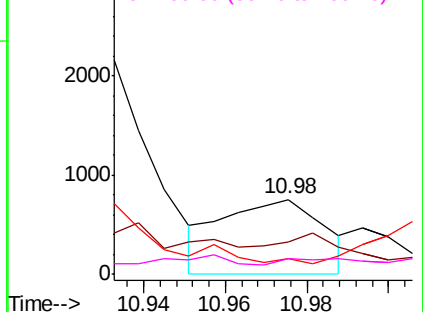


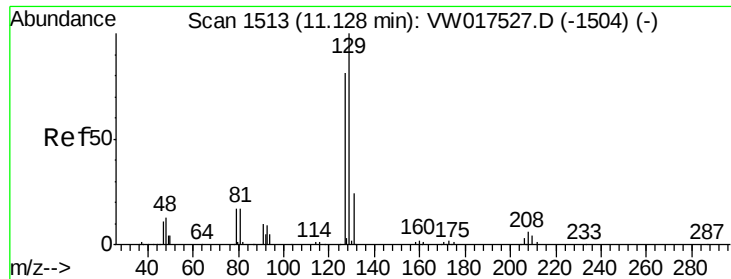
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 12.749 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017538.D

Acq: 03 Dec 2020 17:09

Instrument :

MSVOA_W

ClientSampled :

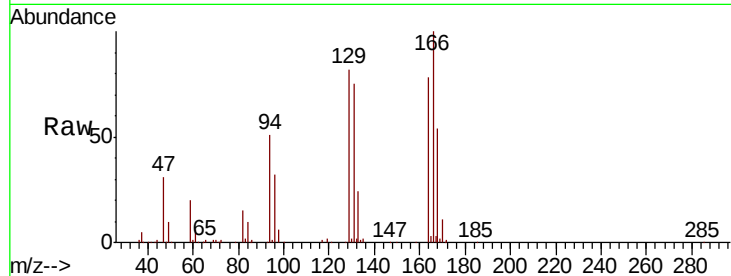
BG4G1

Tot Ion:129 Resp: 63816

Ion Ratio Lower Upper

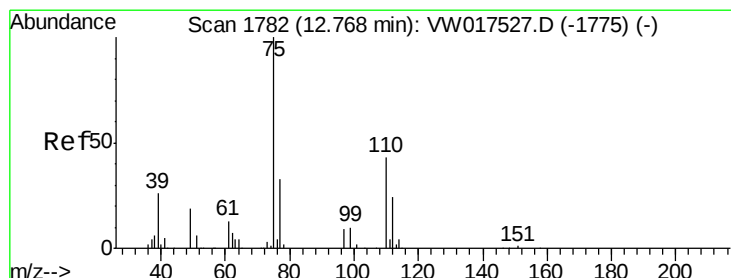
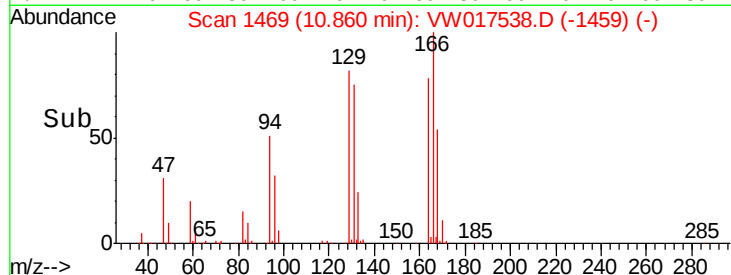
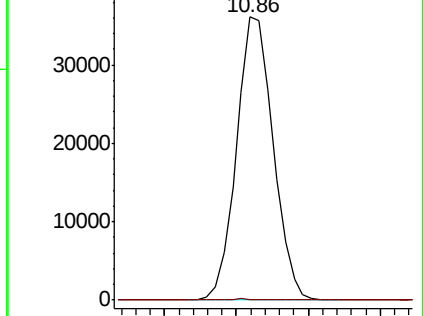
129 100

127 0.3 53.2 98.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.497 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017538.D

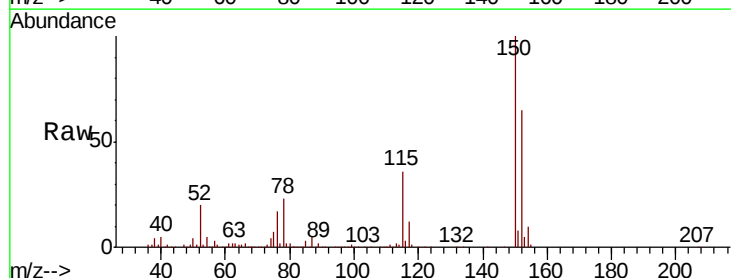
Acq: 03 Dec 2020 17:09

Tgt Ion: 75 Resp: 17749

Ion Ratio Lower Upper

75 100

77 33.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

