

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017565.D
 Acq On : 04 Dec 2020 18:48
 Operator : SY/VA
 Sample : L4955-08
 Misc : 6.24G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4K3

Quant Time: Dec 05 07:38:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	434327	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	355673	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127957	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88712	15.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.16%
7) Chloroethane-d5	2.89	69	81695	16.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.72%
10) 1,1-Dichloroethene-d2	4.03	63	164381	12.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.92%
20) 2-Butanone-d5	7.09	46	59912	47.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.64%
24) Chloroform-d	7.65	84	243046	19.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.92%
26) 1,2-Dichloroethane-d4	8.31	65	130442	20.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.28%
29) Benzene-d6	8.27	84	452251	20.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.24%
33) 1,2-Dichloropropane-d6	9.27	67	135604	21.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.16%
37) Toluene-d8	10.32	98	389959	19.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.28%
38) trans-1,3-Dichloropropene-	10.58	79	54411	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.76%
39) 2-Hexanone-d5	10.93	63	35768	45.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98416	21.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	97934	20.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.12%

Target Compounds

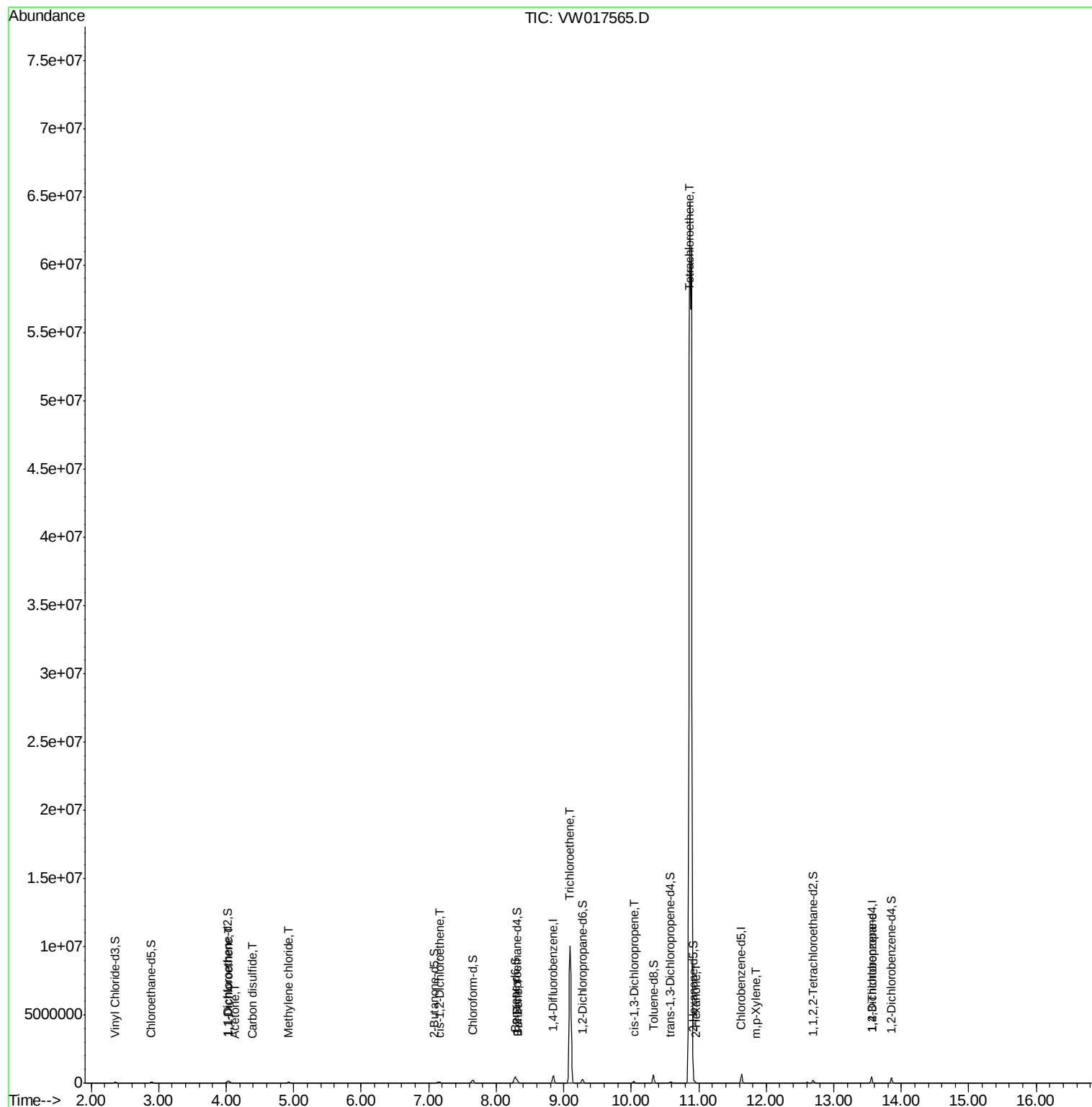
					Ovalue
12) 1,1-Dichloroethene	4.04	96	12631	2.086 ug/L #	1
13) Acetone	4.13	43	8734	7.161 ug/L	78
14) Carbon disulfide	4.39	76	4740	0.276 ug/L #	80
16) Methylene chloride	4.92	84	40481	6.181 ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	15158	2.332 ug/L	88
34) Benzene	8.32	78	23119	1.075 ug/L	100
35) Trichloroethene	9.09	95	3552797	594.082 ug/L	97
42) cis-1,3-Dichloropropene	10.04	75	4377	0.555 ug/L #	69
47) Tetrachloroethene	10.87	164	15000224	2962.137 ug/L	87
49) 2-Hexanone	10.97	43	806	0.466 ug/L #	76
54) m,p-Xylene	11.83	106	2565	0.257 ug/L	84
59) 1,2,3-Trichloropropane	13.56	75	15243	4.981 ug/L	99

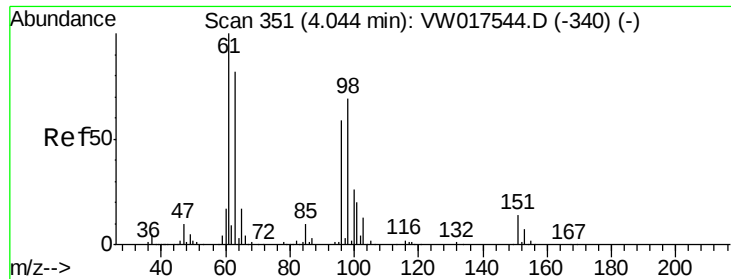
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Dec 05 07:36:07 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.086 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

Instrument :

MSVOA_W

ClientSampleId :

BG4K3

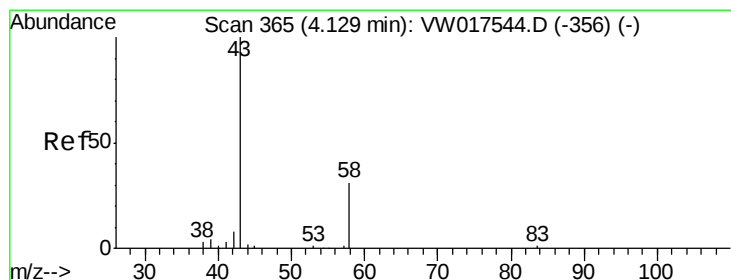
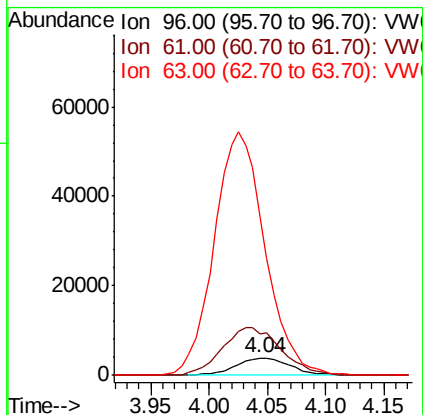
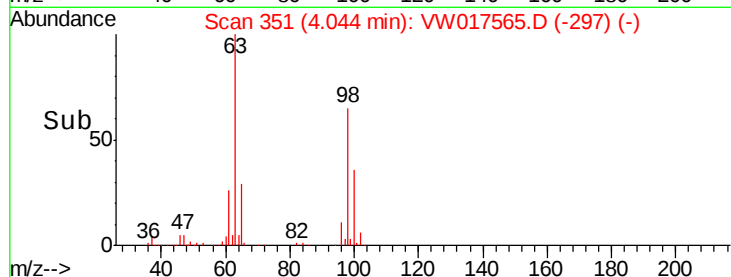
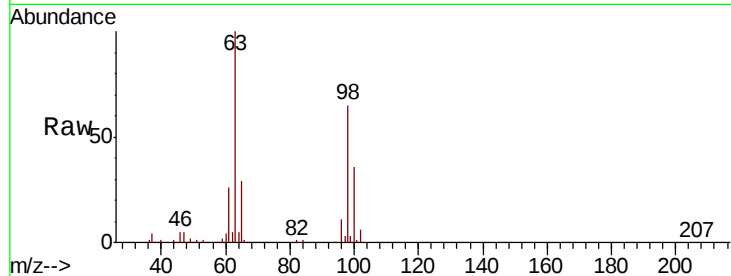
Tot Ion: 96 Resp: 12631

Ion Ratio Lower Upper

96 100

61 236.7 112.5 208.9#

63 912.4 83.1 154.3#



#13

Acetone

Concen: 7.161 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017565.D

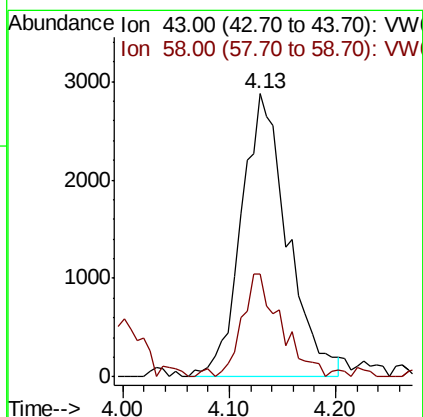
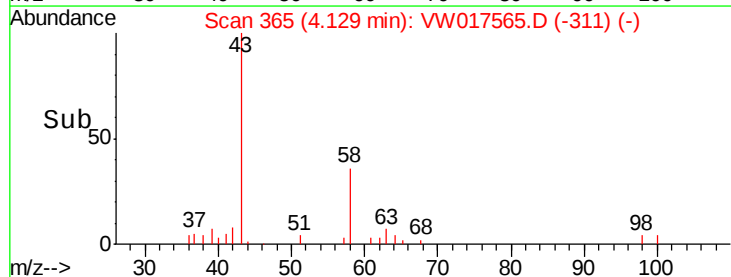
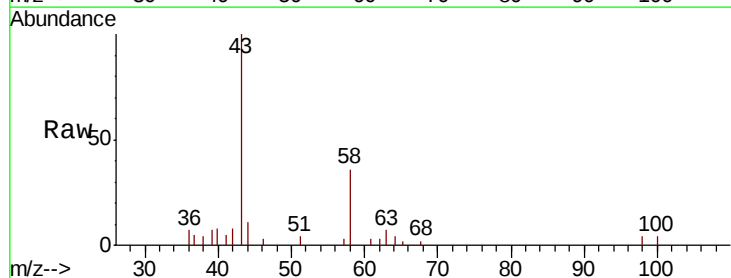
Acq: 04 Dec 2020 18:48

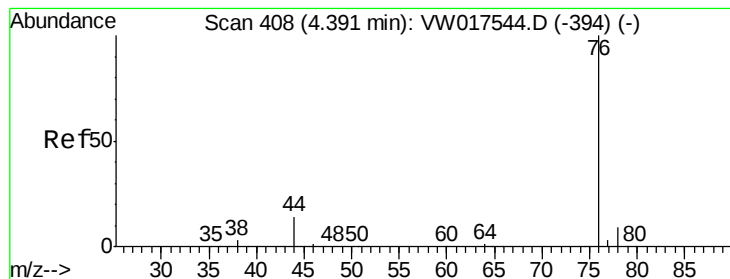
Tgt Ion: 43 Resp: 8734

Ion Ratio Lower Upper

43 100

58 21.7 0.0 68.4





#14

Carbon disulfide

Concen: 0.276 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

Instrument :

MSVOA_W

ClientSampled :

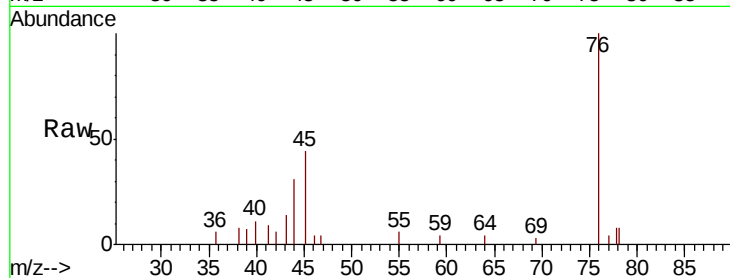
BG4K3

Tot Ion: 76 Resp: 4740

Ion Ratio Lower Upper

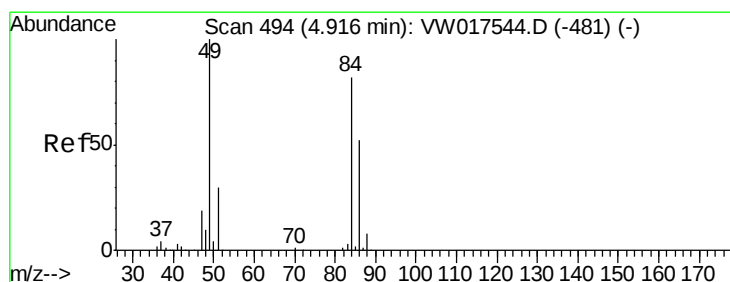
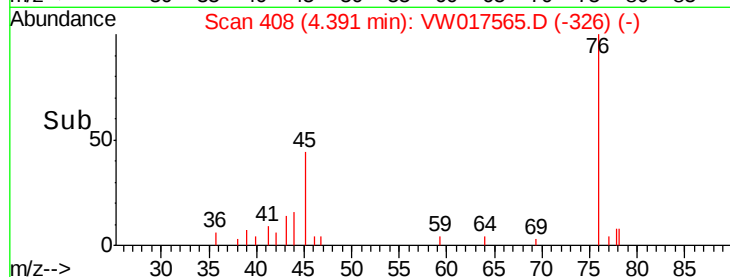
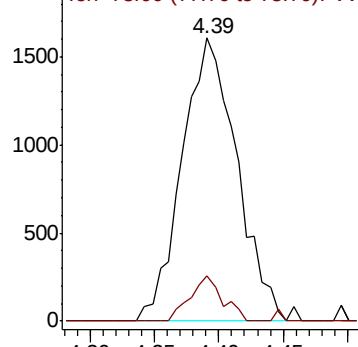
76 100

78 16.0 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 6.181 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

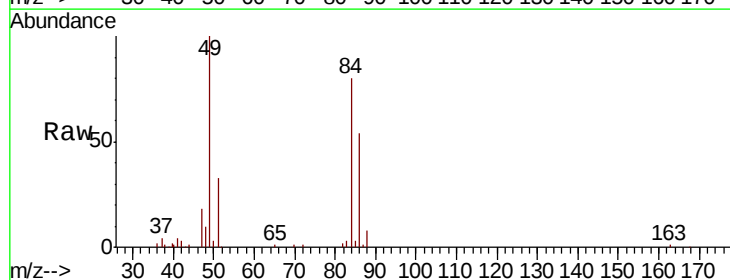
Tgt Ion: 84 Resp: 40481

Ion Ratio Lower Upper

84 100

49 125.1 81.2 150.8

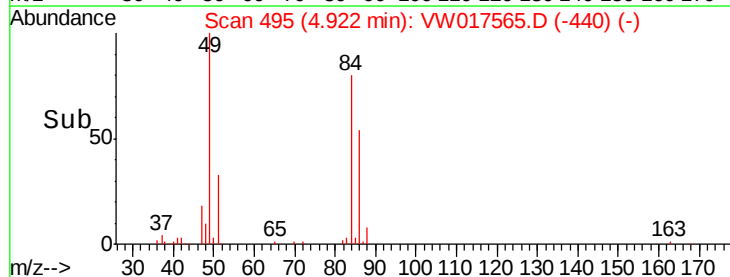
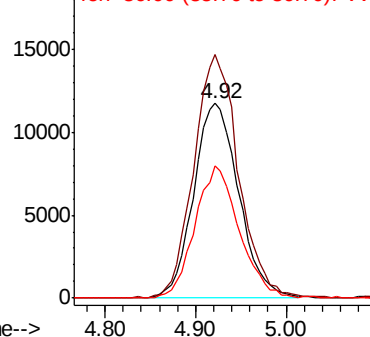
86 67.7 44.5 82.7

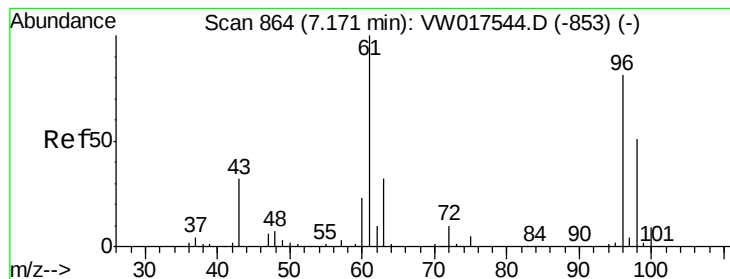


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



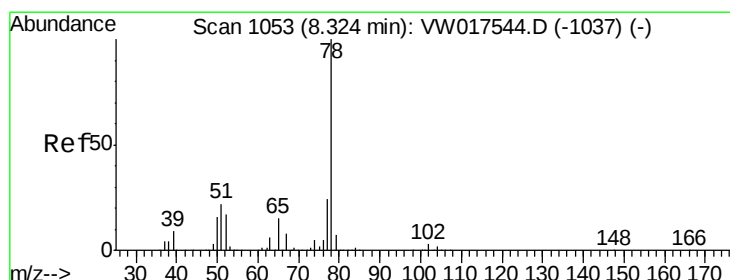
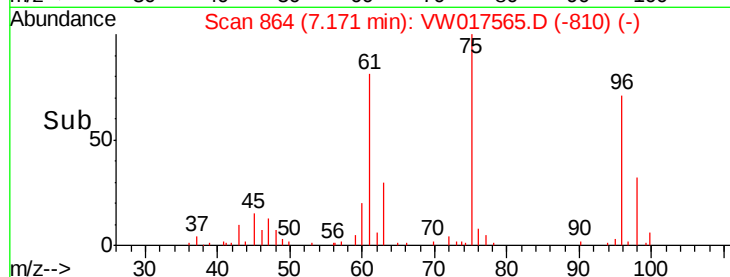
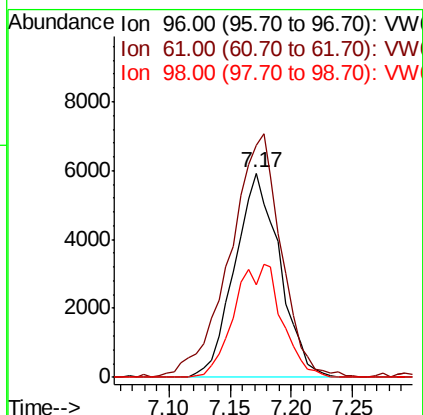
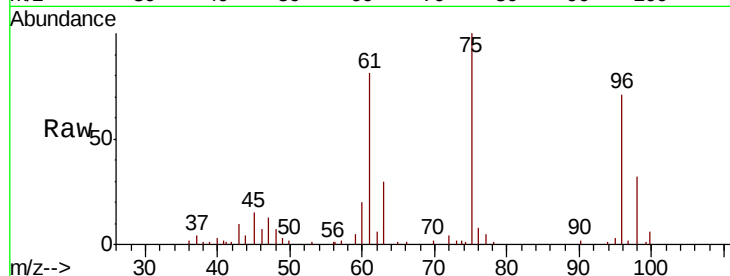


#22

cis-1,2-Dichloroethene
Concen: 2.332 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017565.D
Acq: 04 Dec 2020 18:48

Instrument :
MSVOA_W
ClientSampleId :
BG4K3

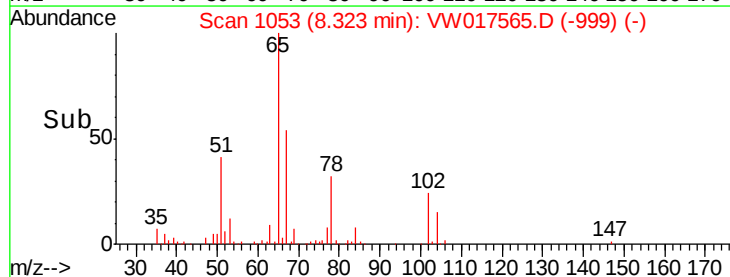
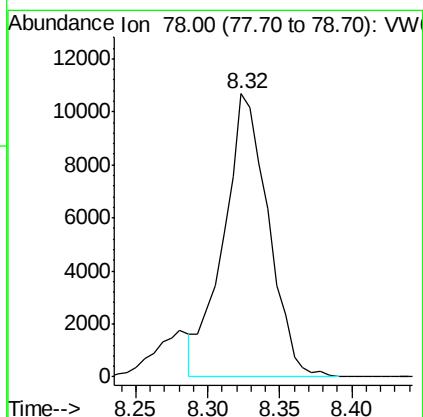
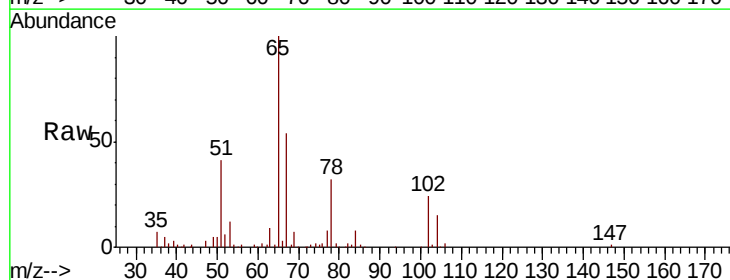
Tot Ion: 96 Resp: 15158
Ion Ratio Lower Upper
96 100
61 114.0 84.6 157.2
98 45.3 44.7 82.9

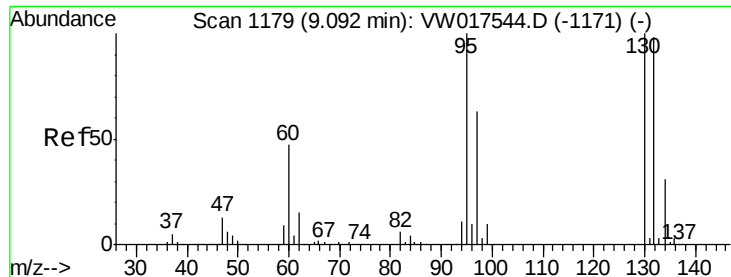


#34

Benzene
Concen: 1.075 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017565.D
Acq: 04 Dec 2020 18:48

Tgt Ion: 78 Resp: 23119





#35

Trichloroethene

Concen: 594.082 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

Instrument :

MSVOA_W

ClientSampleId :

BG4K3

Tot Ion: 95 Resp: 3552797

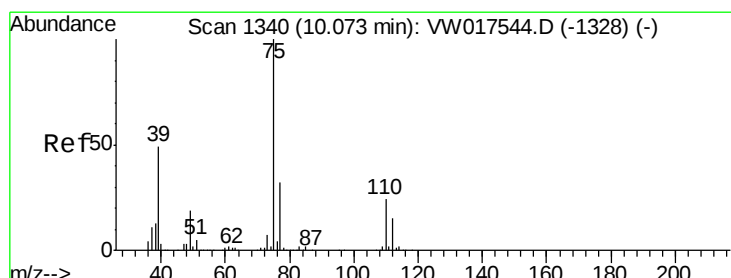
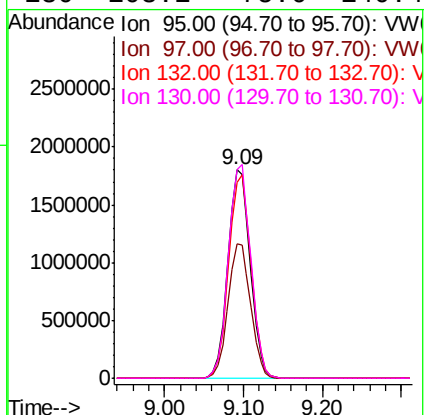
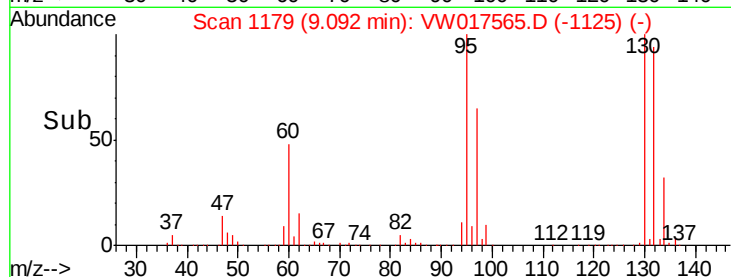
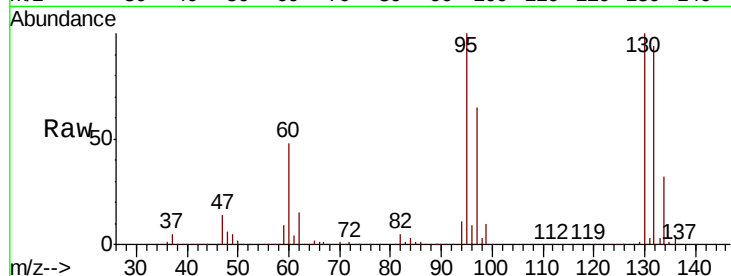
Ion Ratio Lower Upper

95 100

97 65.0 45.0 83.6

132 98.2 71.0 131.8

130 103.1 75.6 140.4



#42

cis-1,3-Dichloropropene

Concen: 0.555 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017565.D

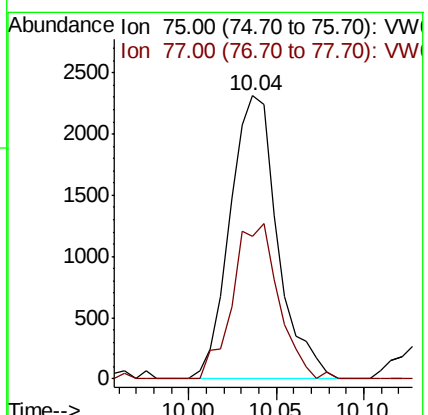
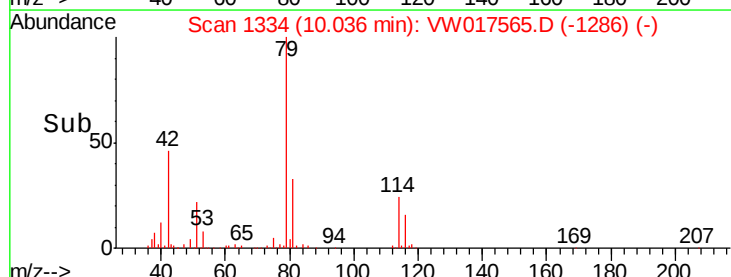
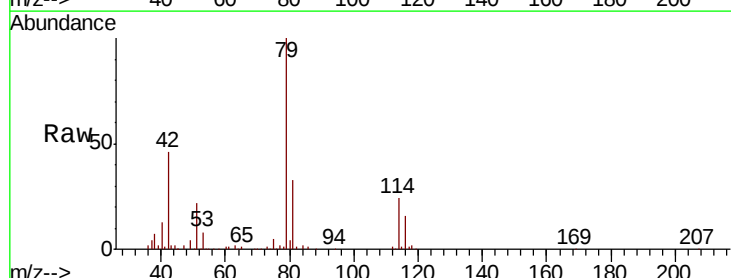
Acq: 04 Dec 2020 18:48

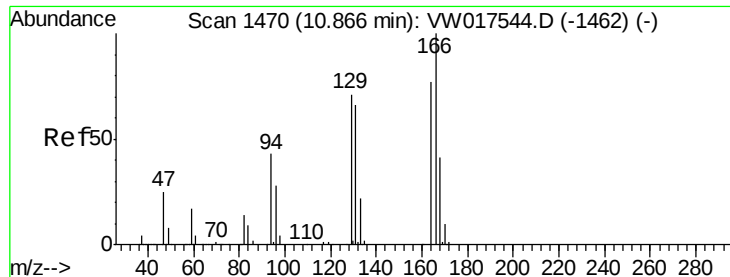
Tgt Ion: 75 Resp: 4377

Ion Ratio Lower Upper

75 100

77 50.2 22.7 42.3#





#47

Tetrachloroethene

Concen: 2962.137 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

Instrument :

MSVOA_W

ClientSampleId :

BG4K3

Tot Ion:164 Resp:15000224

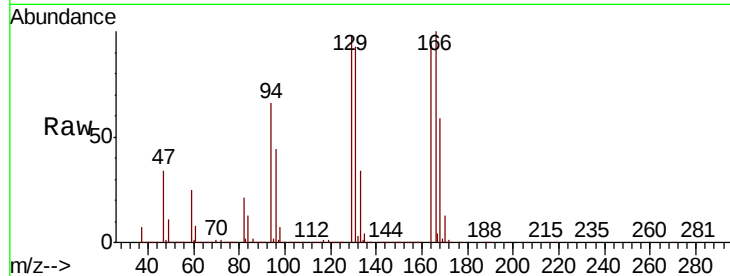
Ion Ratio Lower Upper

164 100

129 104.1 67.6 125.6

131 99.6 65.2 121.2

166 106.6 93.2 173.2

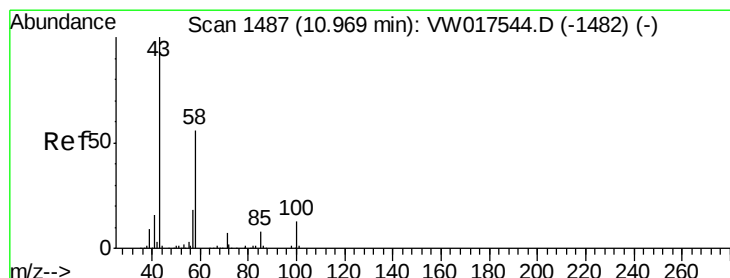
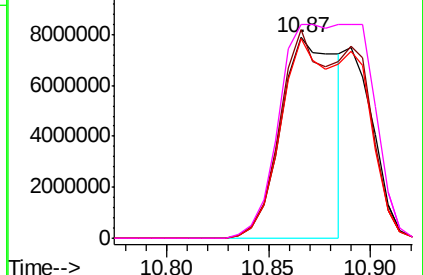
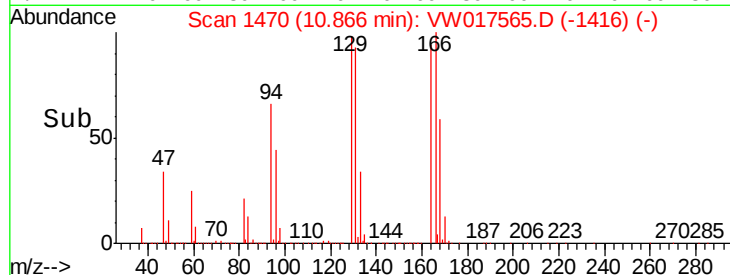


Abundance Ion 164.00 (163.70 to 164.70): V

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: 0.466 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

Tgt Ion: 43 Resp: 806

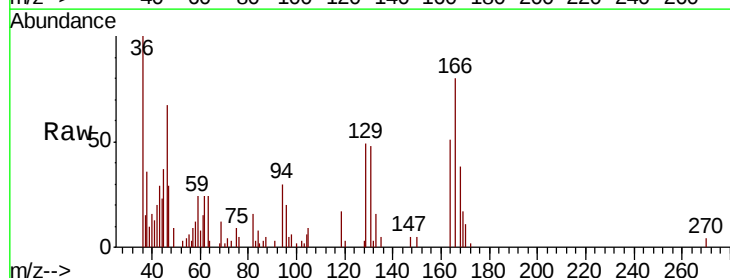
Ion Ratio Lower Upper

43 100

58 79.0 51.3 76.9#

57 44.0 15.0 22.6#

100 12.2 12.2 18.2#

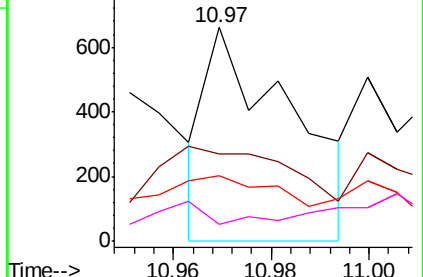
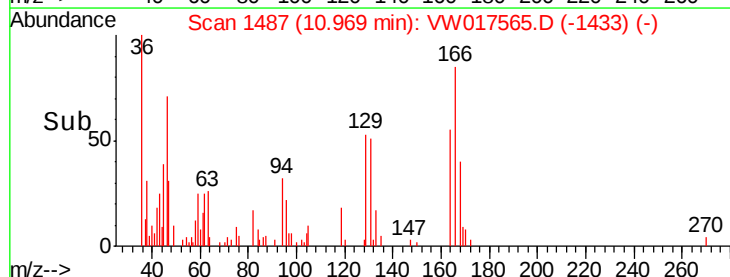


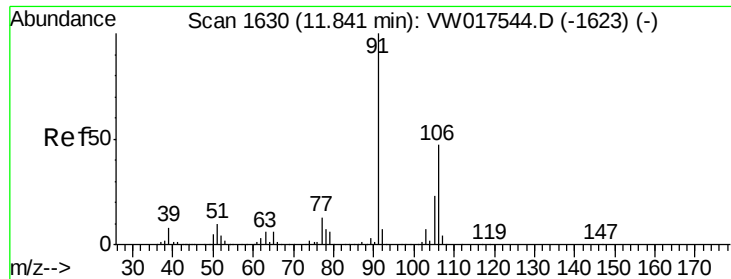
Abundance Ion 43.00 (42.70 to 43.70): VV

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





#54

m,p-Xylene

Concen: 0.257 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017565.D

Acq: 04 Dec 2020 18:48

Instrument :

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ClientSampleId :

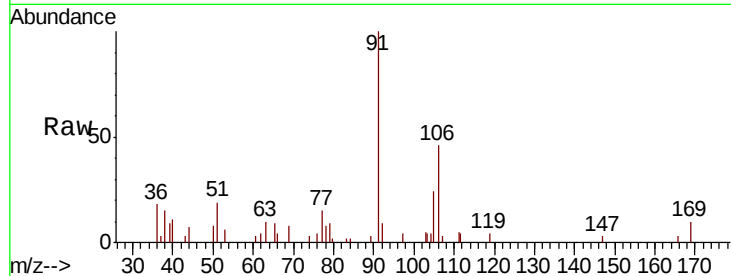
BG4K3

Tot Ion:106 Resp: 2565

Ion Ratio Lower Upper

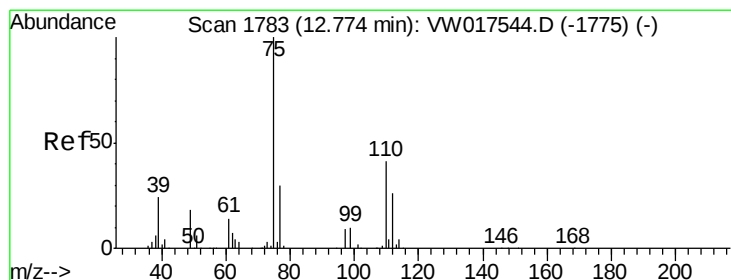
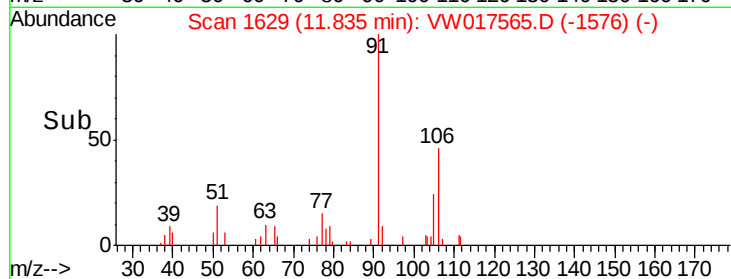
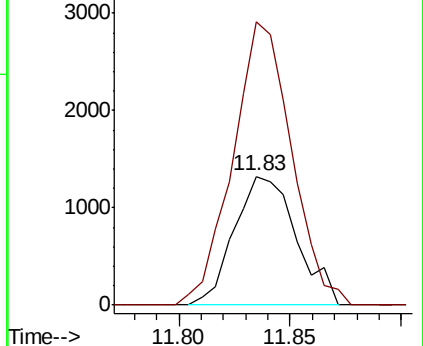
106 100

91 219.2 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): VW

Ion 91.00 (90.70 to 91.70): VW



#59

1,2,3-Trichloropropane

Concen: 4.981 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017565.D

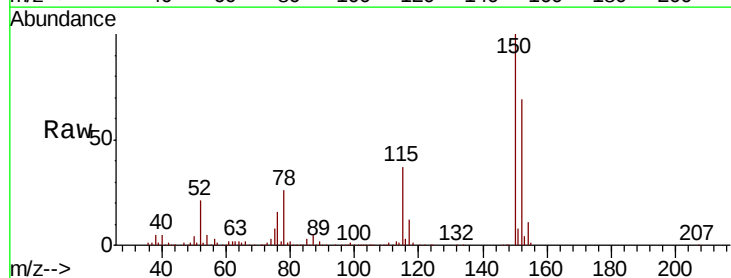
Acq: 04 Dec 2020 18:48

Tgt Ion: 75 Resp: 15243

Ion Ratio Lower Upper

75 100

77 33.5 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

