

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\
 Data File : VW017579.D
 Acq On : 07 Dec 2020 15:05
 Operator : SY/VA
 Sample : L4955-09
 Misc : 5.63G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4K4

Quant Time: Dec 08 06:48:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 06:44:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	431368	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	393742	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	99691	17.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.20%
7) Chloroethane-d5	2.89	69	89124	18.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.28%
10) 1,1-Dichloroethene-d2	4.15	63	125	0.01	ug/L	0.13
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.09	46	61012	49.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.06%
24) Chloroform-d	7.65	84	267744	21.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.32%
26) 1,2-Dichloroethane-d4	8.31	65	143167	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.27	84	507836	20.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.40%
33) 1,2-Dichloropropane-d6	9.27	67	152324	22.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.44%
37) Toluene-d8	10.32	98	454067	20.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.28%
38) trans-1,3-Dichloropropene-	10.58	79	61370	20.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.24%
39) 2-Hexanone-d5	10.93	63	42200	48.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114026	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	144236	22.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.08%

Target Compounds

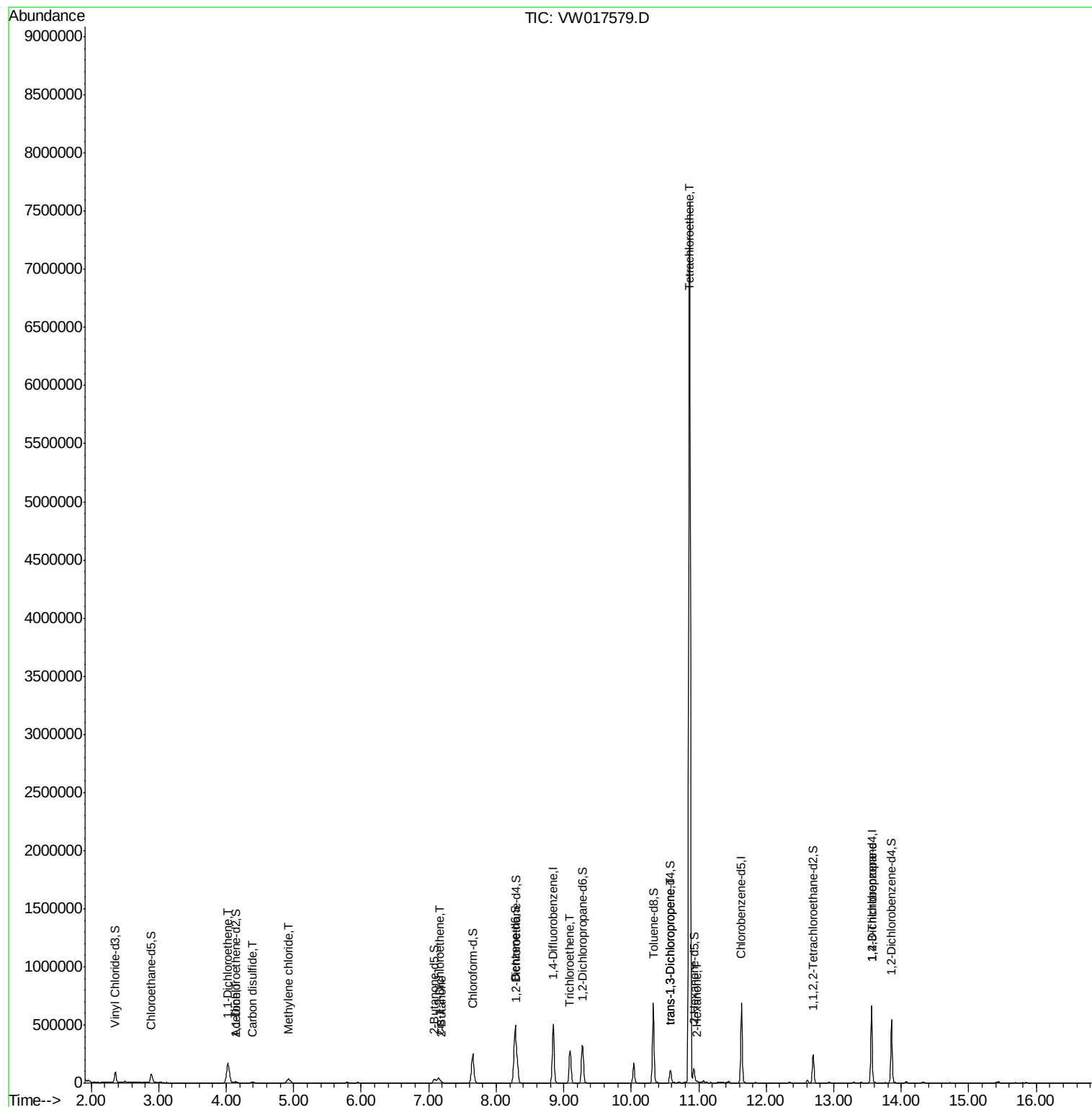
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	1606	0.267	ug/L #	1
13) Acetone	4.14	43	20859	17.219	ug/L	94
14) Carbon disulfide	4.39	76	19383	1.134	ug/L #	92
16) Methylene chloride	4.92	84	30716	4.722	ug/L	92
21) 2-Butanone	7.19	43	5859	4.080	ug/L	82
22) cis-1,2-Dichloroethene	7.17	96	1509	0.234	ug/L	88
35) Trichloroethene	9.09	95	96885	14.634	ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	3265	0.434	ug/L	83
47) Tetrachloroethene	10.87	164	1696194	302.567	ug/L	95
49) 2-Hexanone	10.98	43	1174	0.613	ug/L #	75
59) 1,2,3-Trichloropropane	13.56	75	20695	6.109	ug/L	97

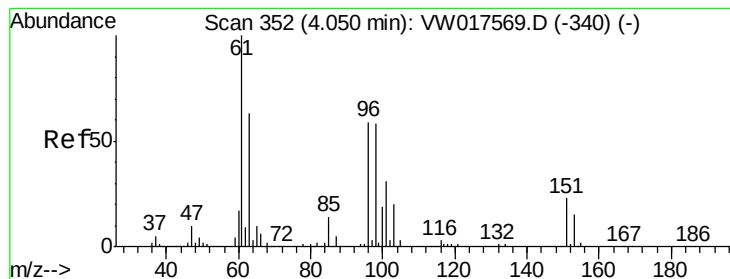
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 08 06:44:18 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.02 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

BG4K4

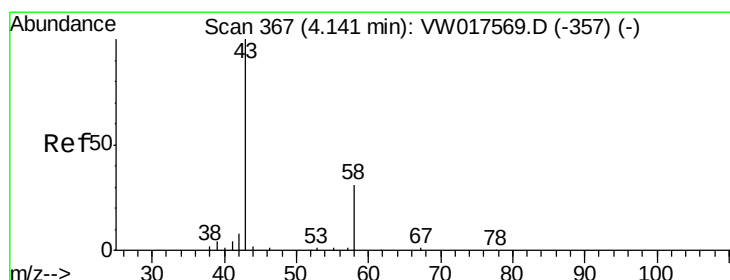
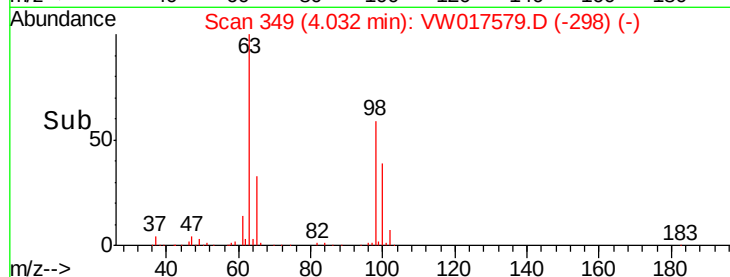
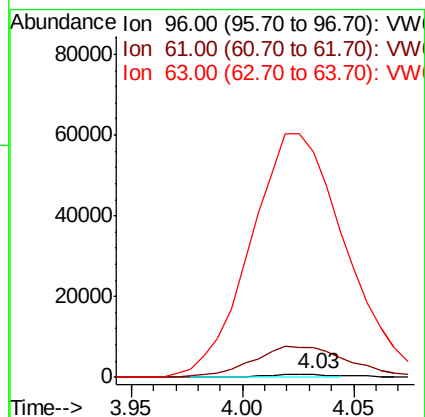
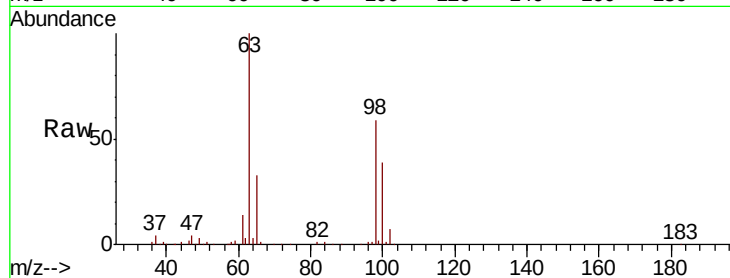
Tot Ion: 96 Resp: 1606

Ion Ratio Lower Upper

96 100

61 909.9 112.5 208.9#

63 6716.1 83.1 154.3#



#13

Acetone

Concen: 17.219 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW017579.D

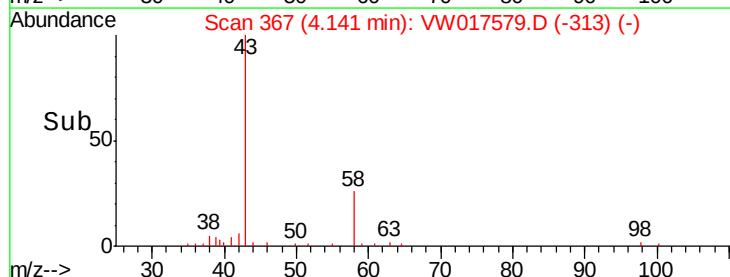
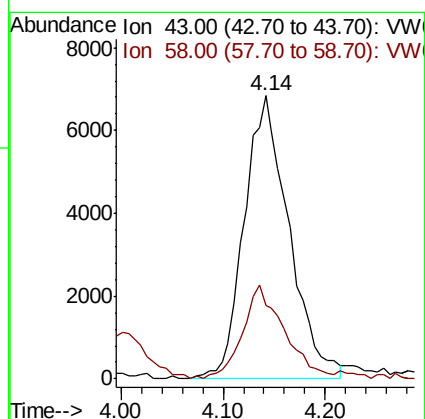
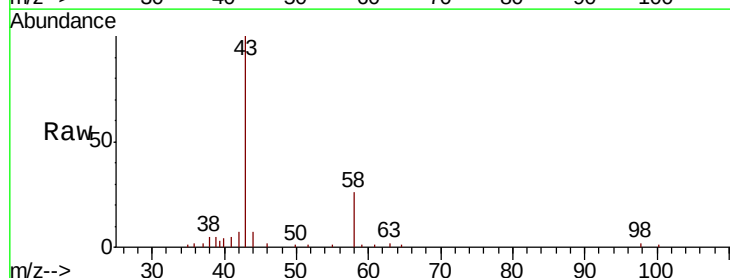
Acq: 07 Dec 2020 15:05

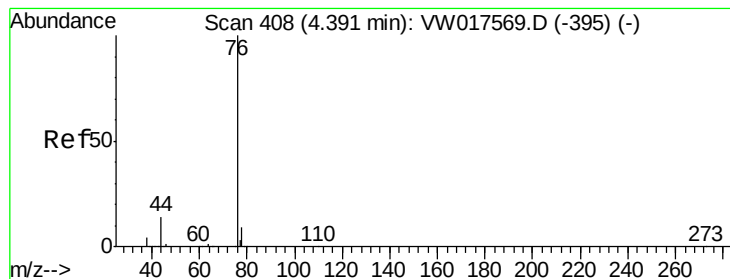
Tgt Ion: 43 Resp: 20859

Ion Ratio Lower Upper

43 100

58 30.5 0.0 68.4





#14

Carbon disulfide

Concen: 1.134 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

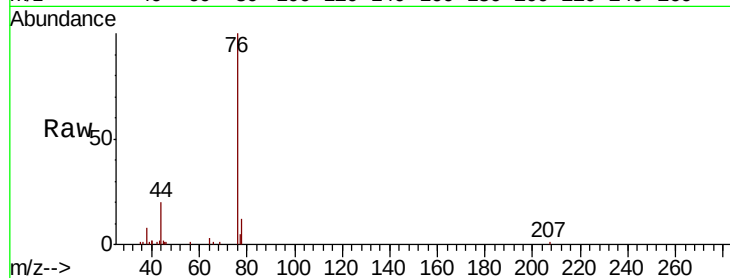
BG4K4

Tot Ion: 76 Resp: 19383

Ion Ratio Lower Upper

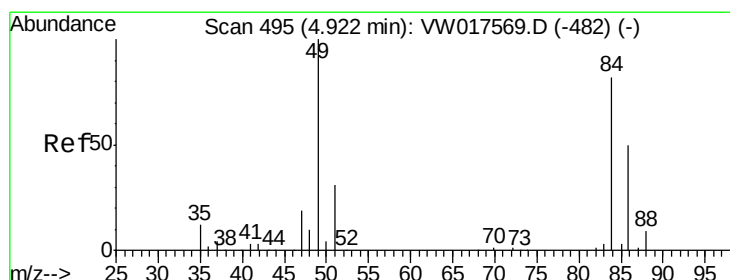
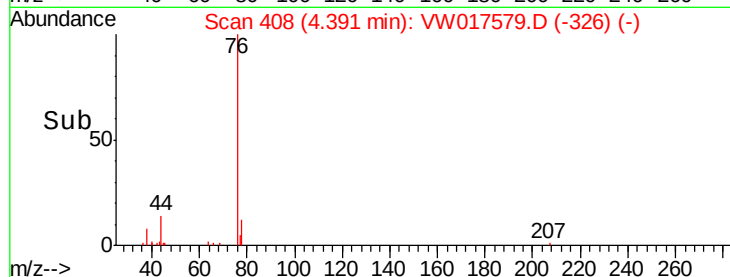
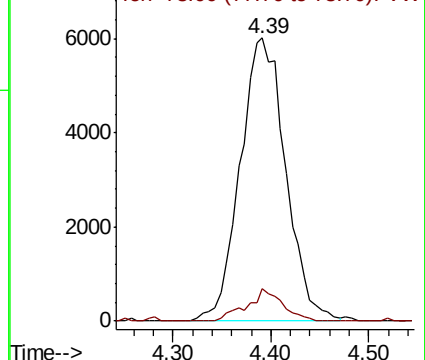
76 100

78 11.6 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: 4.722 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

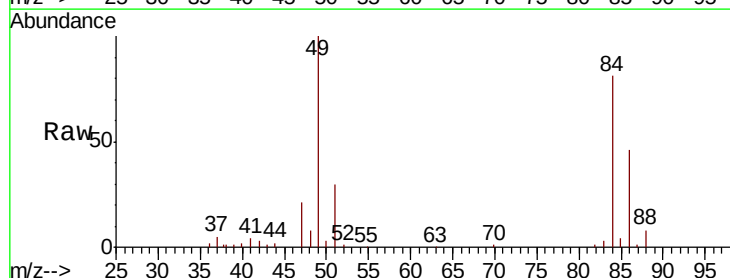
Tgt Ion: 84 Resp: 30716

Ion Ratio Lower Upper

84 100

49 124.1 81.2 150.8

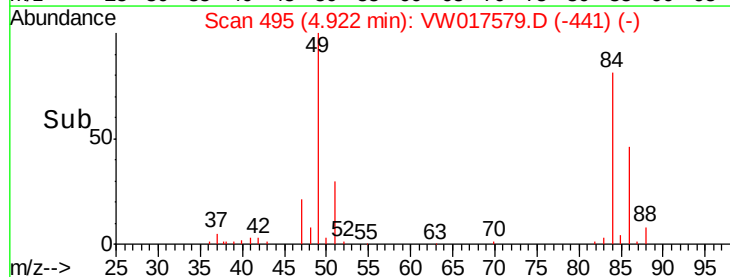
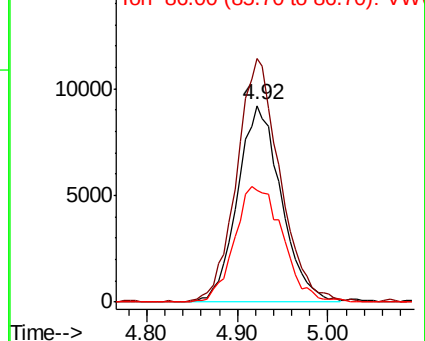
86 57.2 44.5 82.7

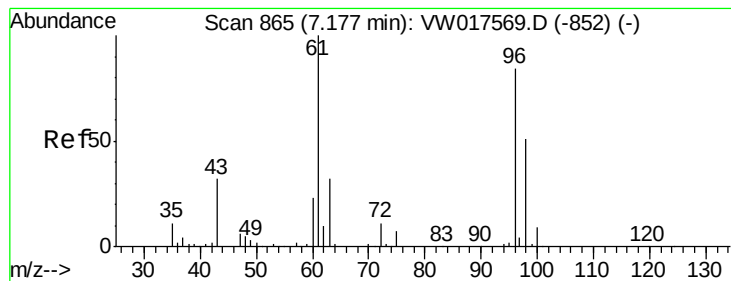


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 4.080 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_W

ClientSampled :

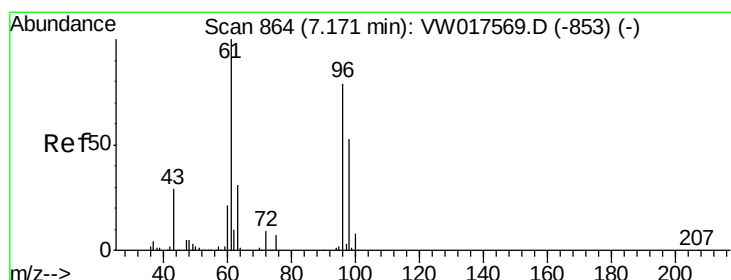
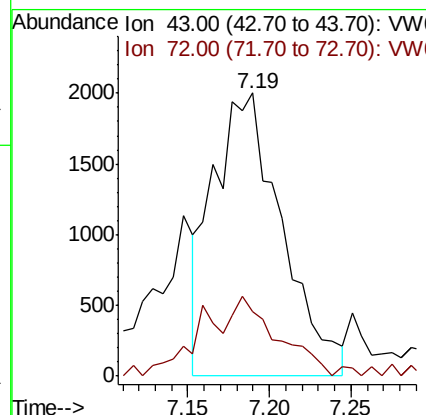
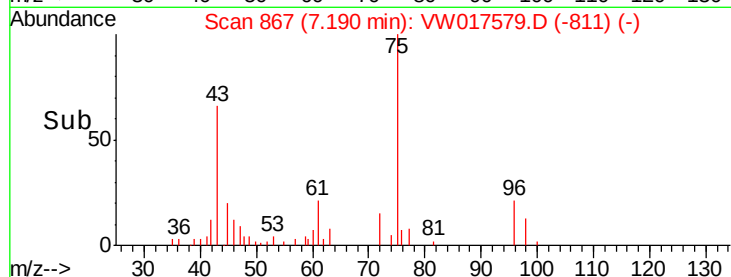
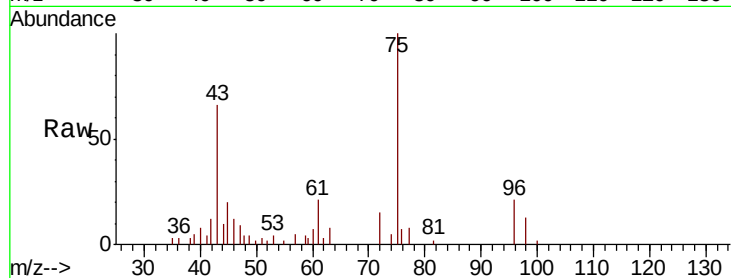
BG4K4

Tot Ion: 43 Resp: 5859

Ion Ratio Lower Upper

43 100

72 19.0 14.4 43.2



#22

cis-1,2-Dichloroethene

Concen: 0.234 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

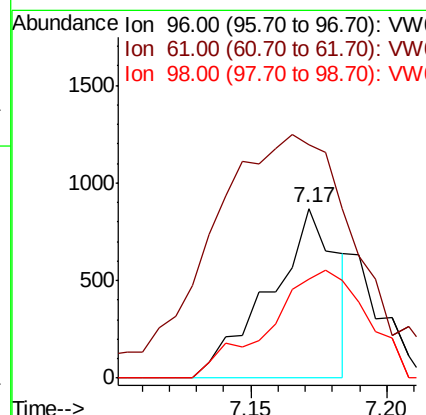
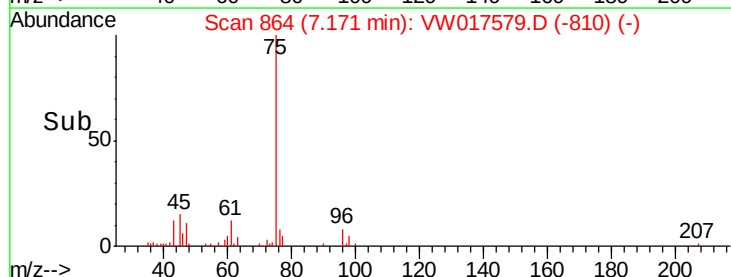
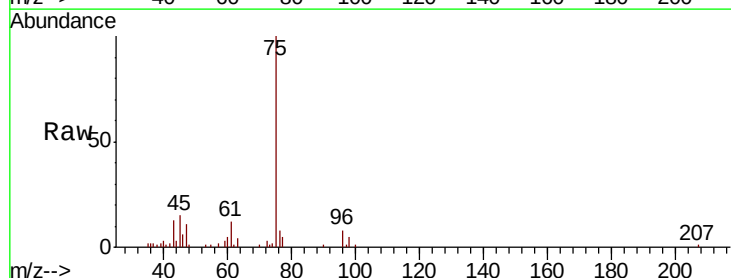
Tgt Ion: 96 Resp: 1509

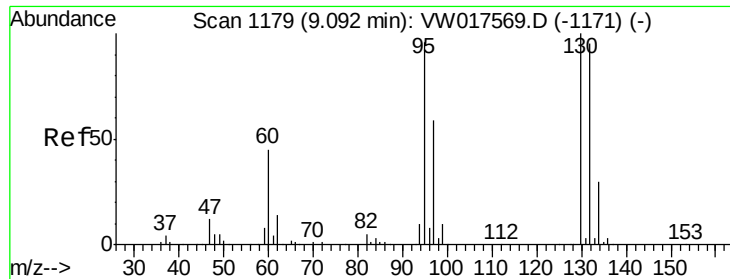
Ion Ratio Lower Upper

96 100

61 137.3 84.6 157.2

98 58.1 44.7 82.9





#35

Trichloroethene

Concen: 14.634 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_W

ClientSampled :

BG4K4

Tot Ion: 95 Resp: 96885

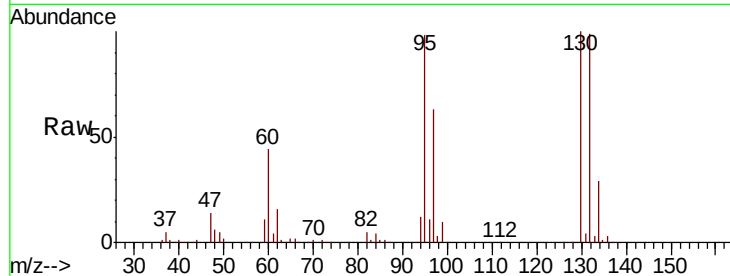
Ion Ratio Lower Upper

95 100

97 64.5 45.0 83.6

132 100.8 71.0 131.8

130 102.3 75.6 140.4

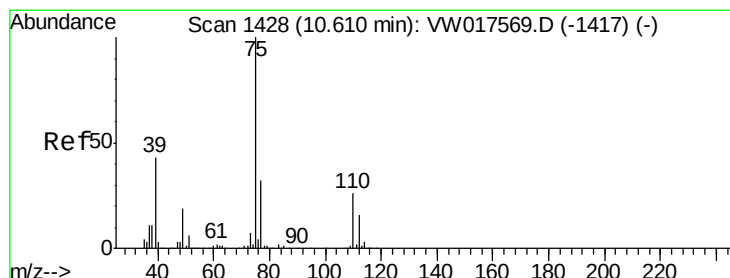
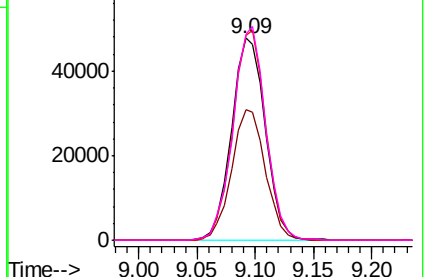
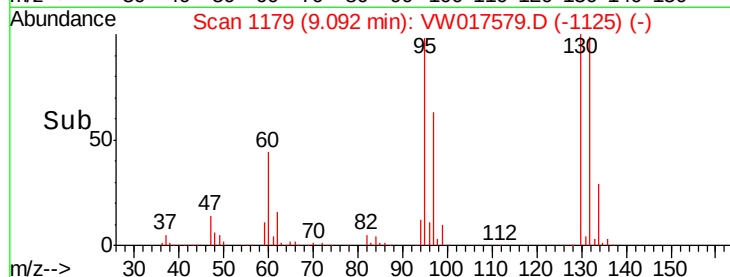


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.434 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017579.D

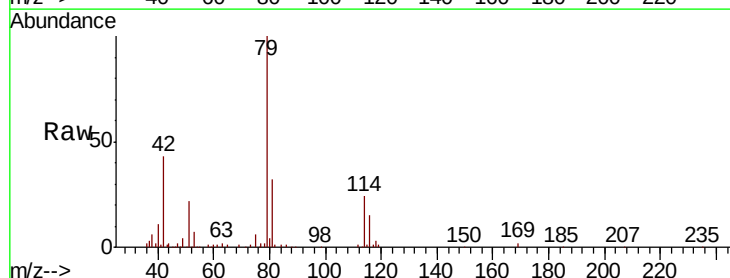
Acq: 07 Dec 2020 15:05

Tgt Ion: 75 Resp: 3265

Ion Ratio Lower Upper

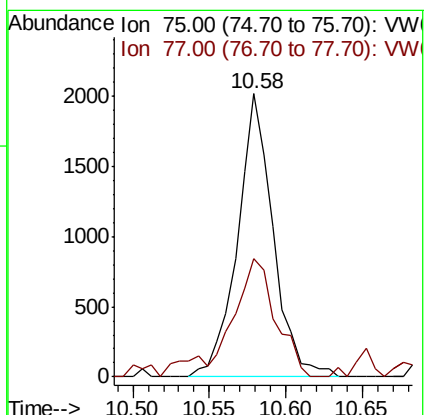
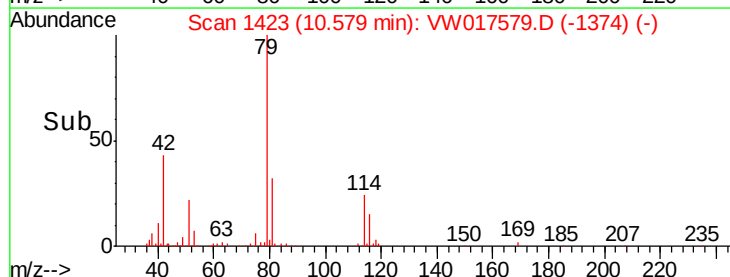
75 100

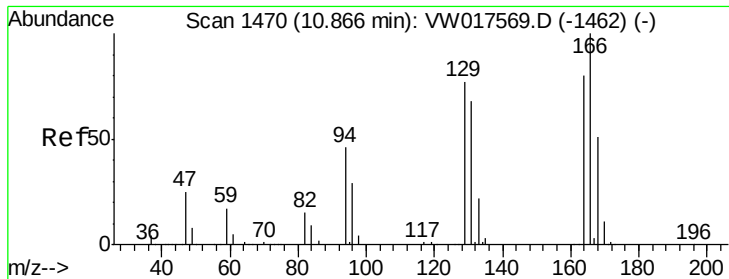
77 41.6 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

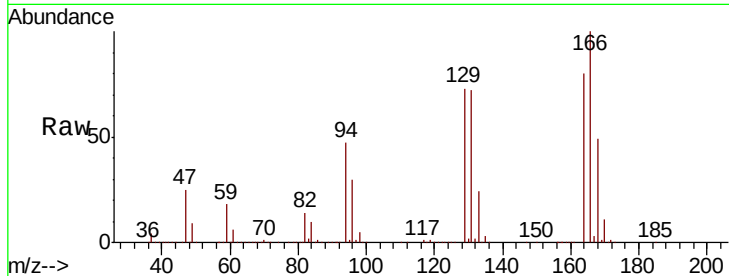




#47
Tetrachloroethene
Concen: 302.567 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017579.D
Acq: 07 Dec 2020 15:05

Instrument :
MSVOA_W
ClientSampleId :
BG4K4

Tot Ion	Ratio	Lower	Upper
164	100		
129	91.6	67.6	125.6
131	90.2	65.2	121.2
166	125.6	93.2	173.2



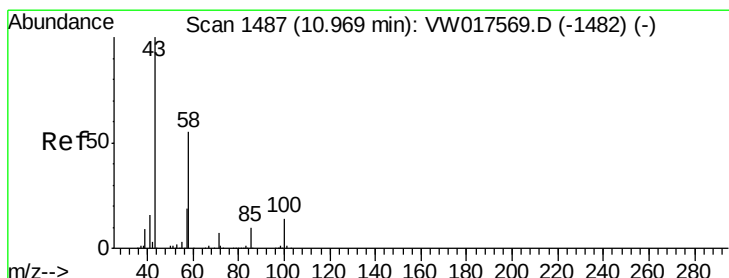
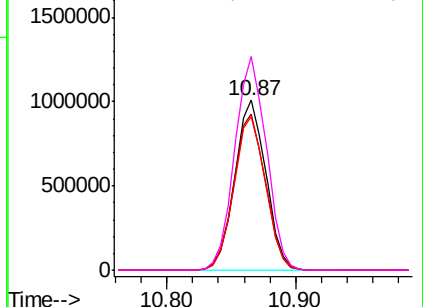
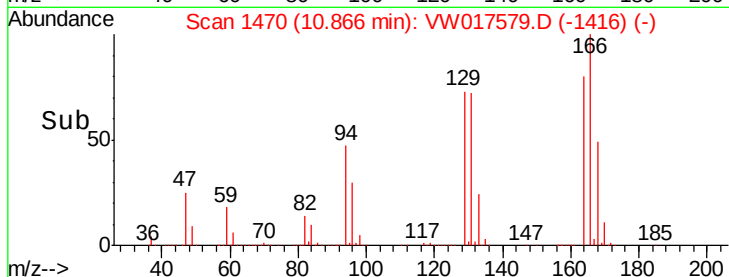
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

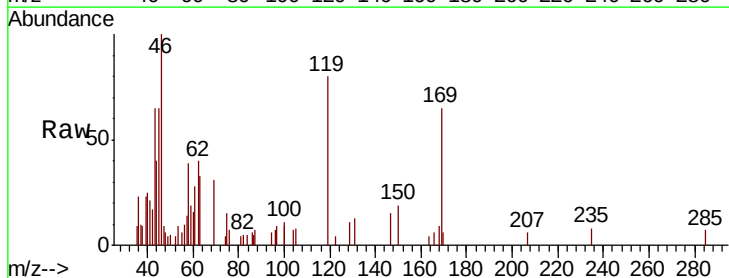
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49
2-Hexanone
Concen: 0.613 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW017579.D
Acq: 07 Dec 2020 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	80.9	51.3	76.9#
57	0.0	15.0	22.6#
100	23.6	12.2	18.2#



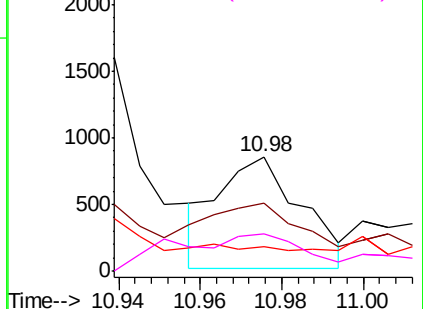
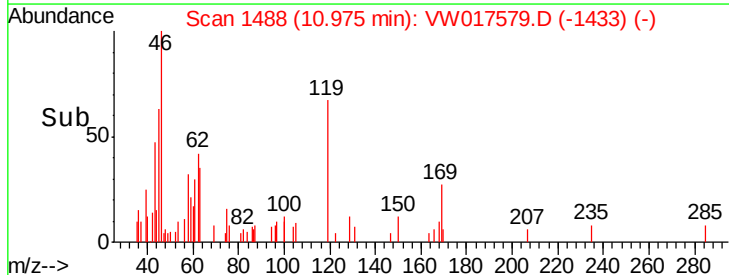
Abundance

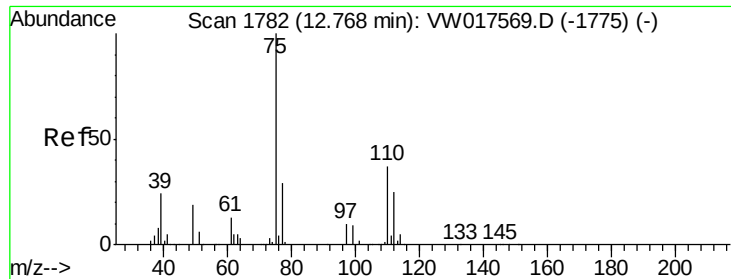
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 6.109 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

BG4K4

Tot Ion: 75 Resp: 20695

Ion Ratio Lower Upper

75 100

77 35.0 26.6 39.8

