

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
 Data File : VW009741.D
 Acq On : 05 Apr 2019 19:08
 Operator : SY/VA
 Sample : K2277-09
 Misc : 4.67G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF172

Quant Time: Apr 06 03:57:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 03:51:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	471299	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	453537	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197617	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	155920	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
7) Chloroethane-d5	2.89	69	142740	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
10) 1,1-Dichloroethene-d2	4.01	63	292748	22.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.28%
20) 2-Butanone-d5	7.07	46	94242	47.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.12%
24) Chloroform-d	7.64	84	338512	26.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	8.31	65	209792	26.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.28%
29) Benzene-d6	8.27	84	656216	27.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.24%
33) 1,2-Dichloropropane-d6	9.27	67	196744	26.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.00%
37) Toluene-d8	10.32	98	587939	26.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.84%
38) trans-1,3-Dichloropropene-	10.57	79	84281	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.12%
39) 2-Hexanone-d5	10.93	63	71226	51.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159122	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	200582	28.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.72%

Target Compounds

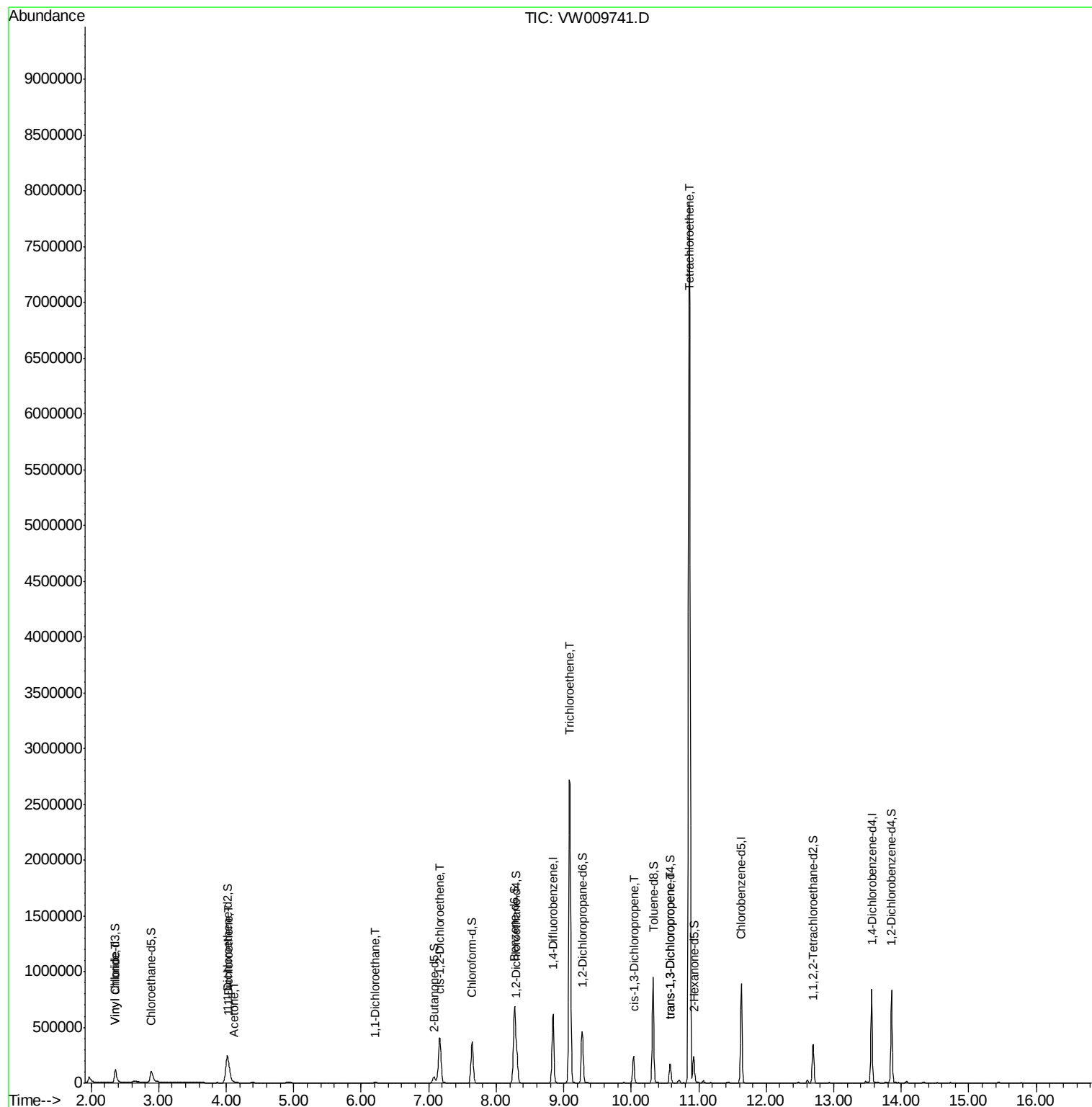
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.37	62	2607	0.317	ug/L #	1
12) 1,1-Dichloroethene	4.04	96	37626	6.011	ug/L #	1
13) Acetone	4.12	43	5798	2.702	ug/L	78
19) 1,1-Dichloroethane	6.21	63	5708	0.457	ug/L #	86
22) cis-1,2-Dichloroethene	7.17	96	205169	29.467	ug/L	97
35) Trichloroethene	9.09	95	881878	123.493	ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	6792	0.628	ug/L #	57
45) trans-1,3-Dichloropropene	10.57	75	4470	0.479	ug/L #	48
47) Tetrachloroethene	10.86	164	1571103	279.341	ug/L	98

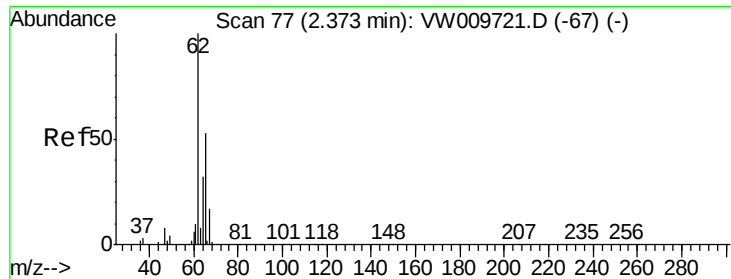
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 06 03:51:49 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.317 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009741.D

Acq: 05 Apr 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

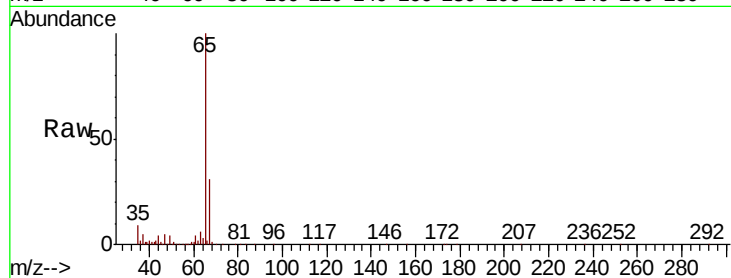
BF172

Tgt Ion: 62 Resp: 2607

Ion Ratio Lower Upper

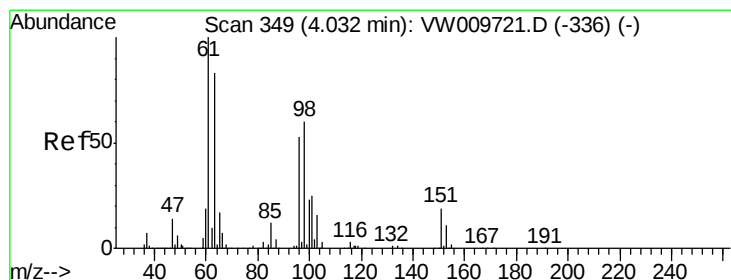
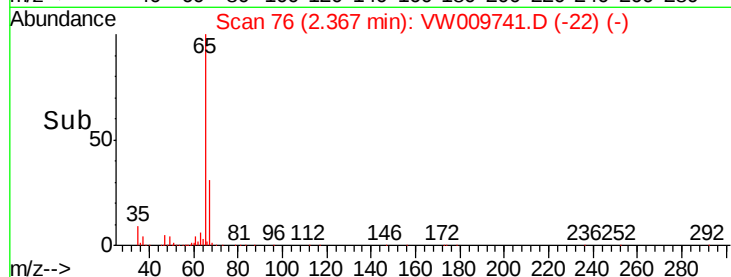
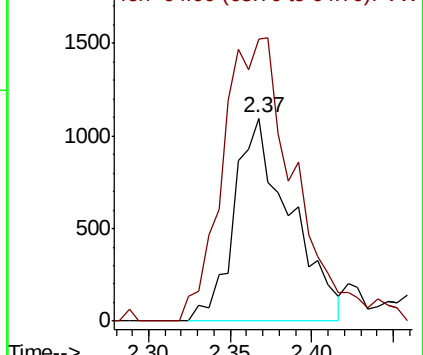
62 100

64 139.1 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#12

1,1-Dichloroethene

Concen: 6.011 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009741.D

Acq: 05 Apr 2019 19:08

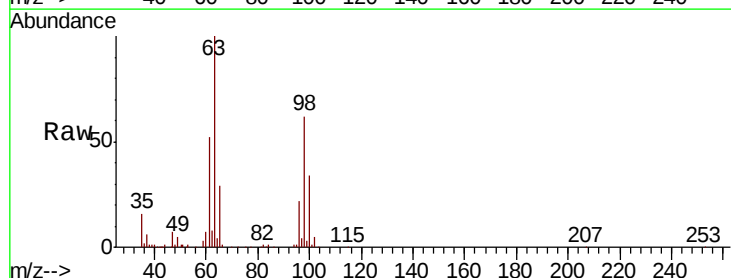
Tgt Ion: 96 Resp: 37626

Ion Ratio Lower Upper

96 100

61 233.0 138.8 257.8

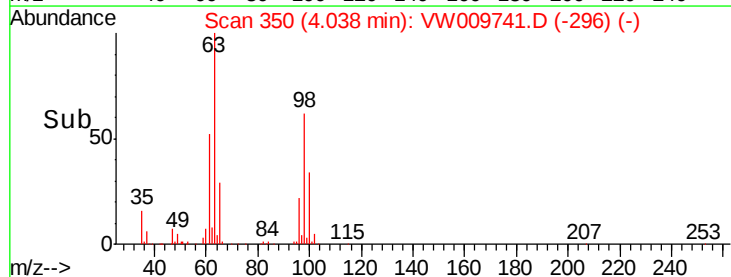
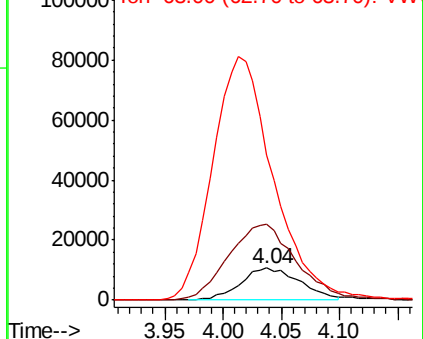
63 449.9 114.6 212.8#

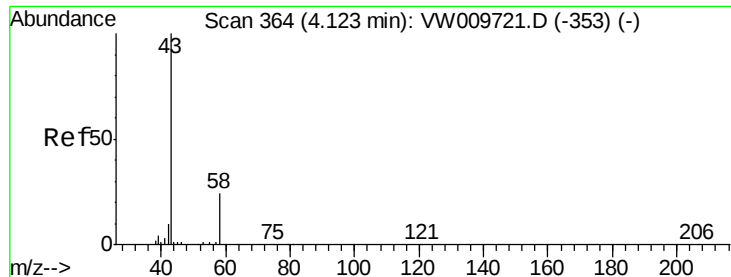


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.702 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009741.D

Acq: 05 Apr 2019 19:08

Instrument :

MSVOA_W

ClientSampled :

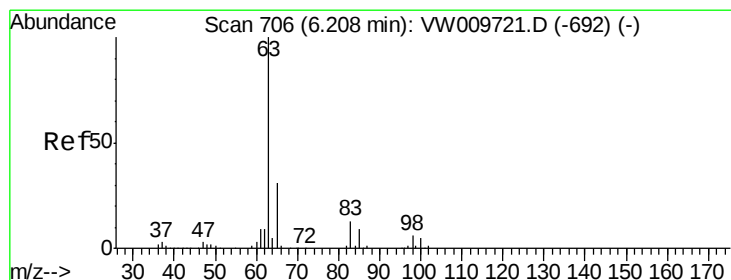
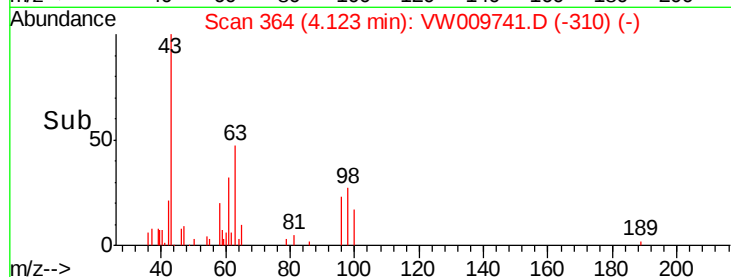
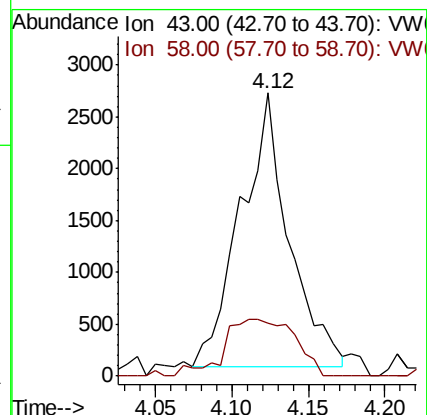
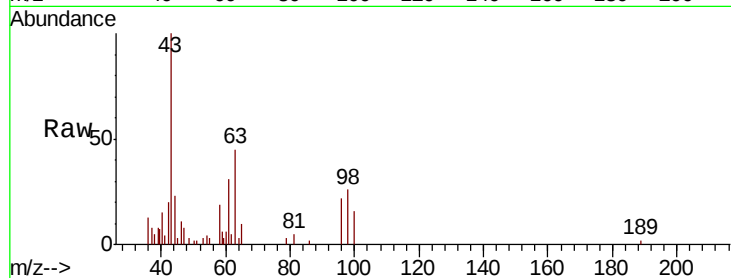
BF172

Tgt Ion: 43 Resp: 5798

Ion Ratio Lower Upper

43 100

58 15.3 0.0 53.0



#19

1,1-Dichloroethane

Concen: 0.457 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW009741.D

Acq: 05 Apr 2019 19:08

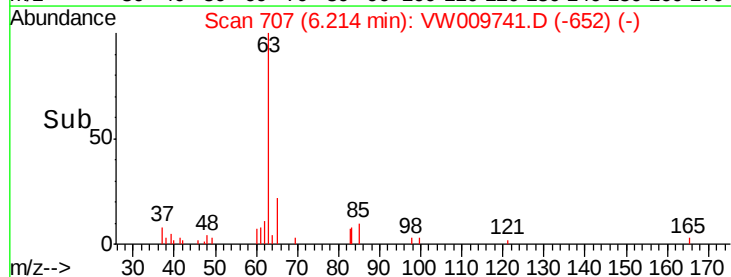
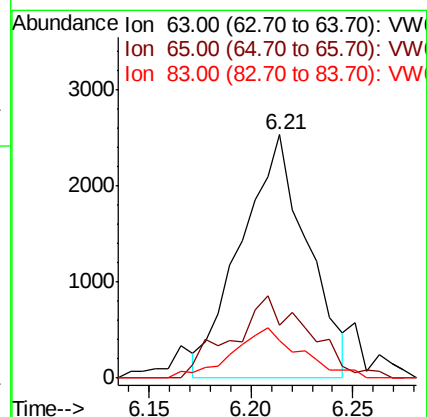
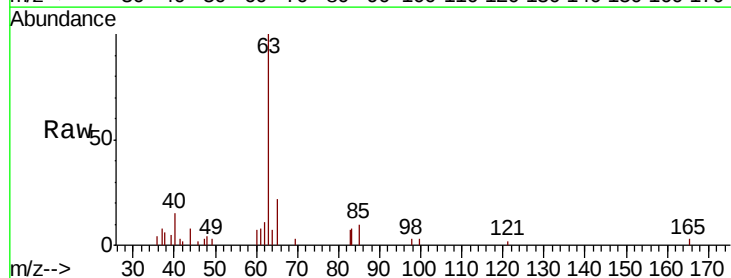
Tgt Ion: 63 Resp: 5708

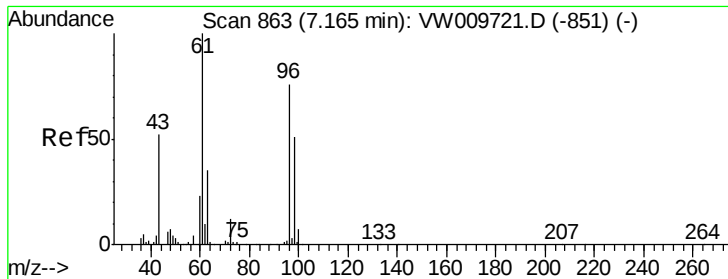
Ion Ratio Lower Upper

63 100

65 21.9 22.6 42.0#

83 15.6 9.8 18.2



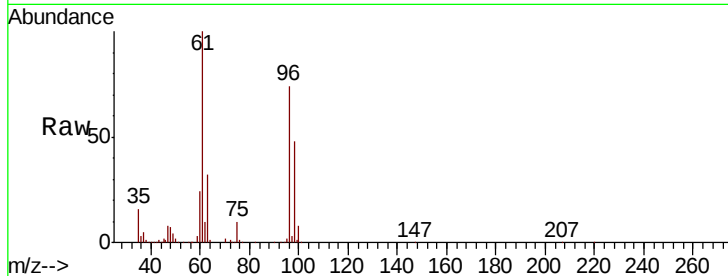


#22

cis-1,2-Dichloroethene
 Concen: 29.467 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009741.D
 Acq: 05 Apr 2019 19:08

Instrument :
 MSVOA_W
 ClientSampled :
 BF172

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.6	96.8	179.8
98	65.7	43.5	80.9

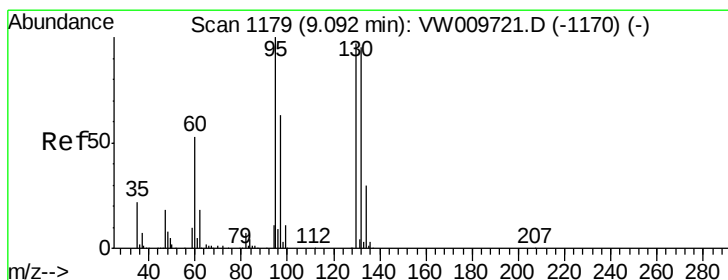
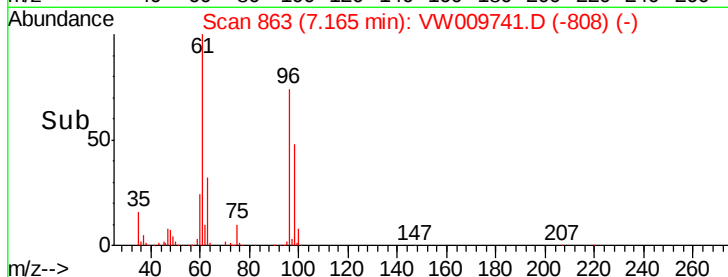
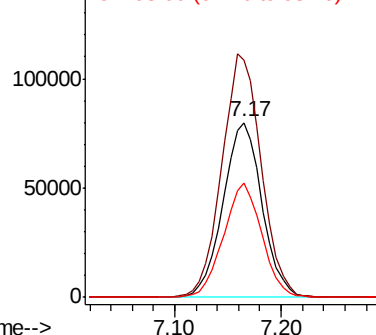


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

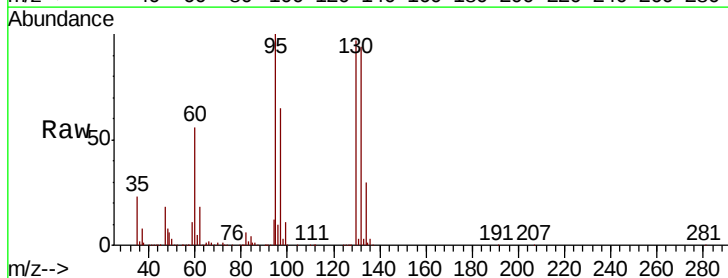
Ion 98.00 (97.70 to 98.70): VW



#35

Trichloroethene
 Concen: 123.493 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW009741.D
 Acq: 05 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.9	83.5
132	94.5	67.1	124.7
130	97.9	69.2	128.6



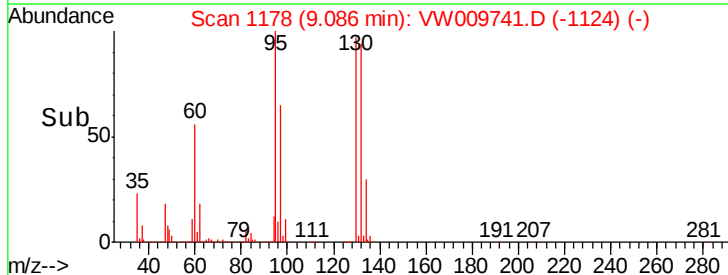
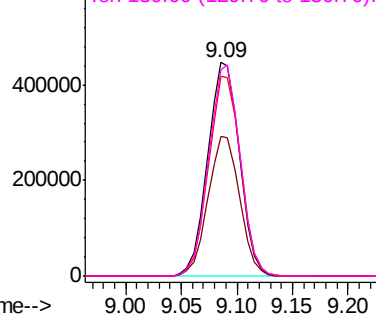
Abundance

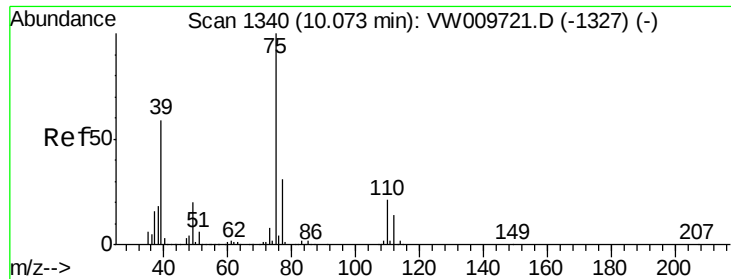
Ion 95.00 (94.70 to 95.70): VW

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





#42

cis-1,3-Dichloropropene

Concen: 0.628 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009741.D

Acq: 05 Apr 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

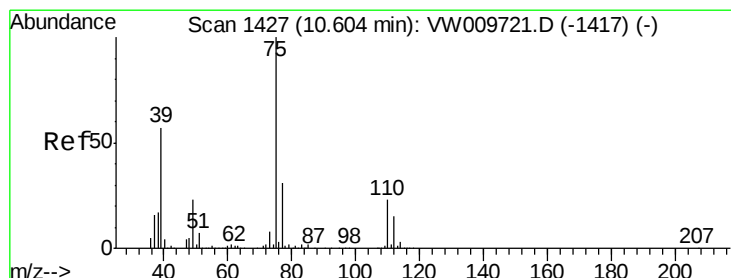
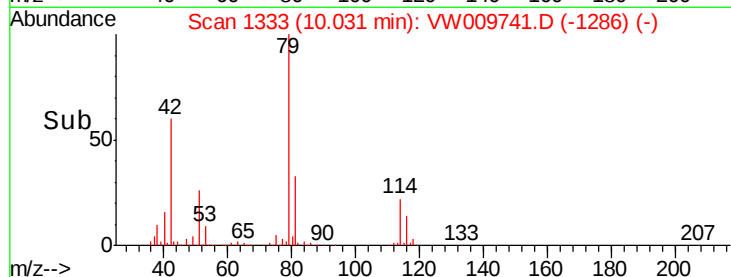
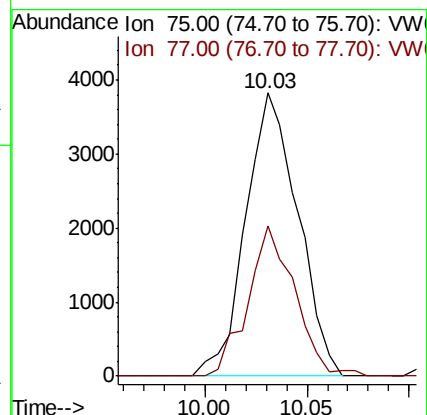
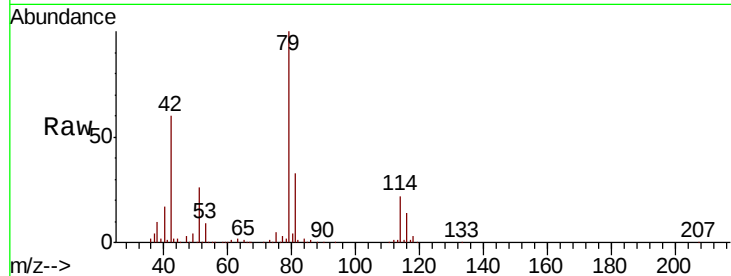
BF172

Tgt Ion: 75 Resp: 6792

Ion Ratio Lower Upper

75 100

77 53.2 21.0 39.0#



#45

trans-1,3-Dichloropropene

Concen: 0.479 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009741.D

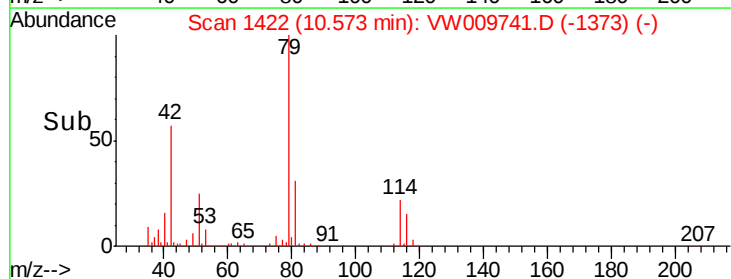
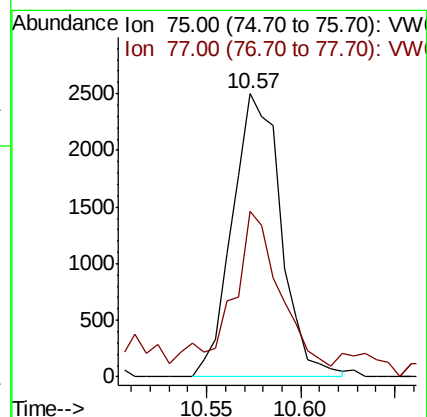
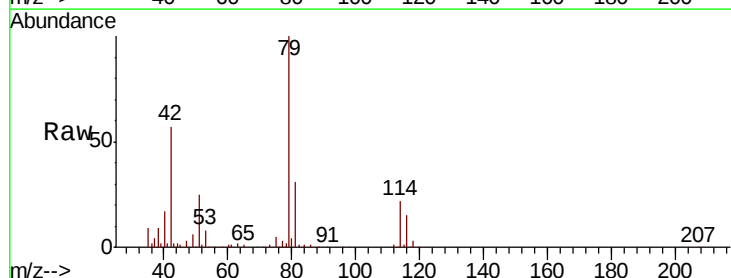
Acq: 05 Apr 2019 19:08

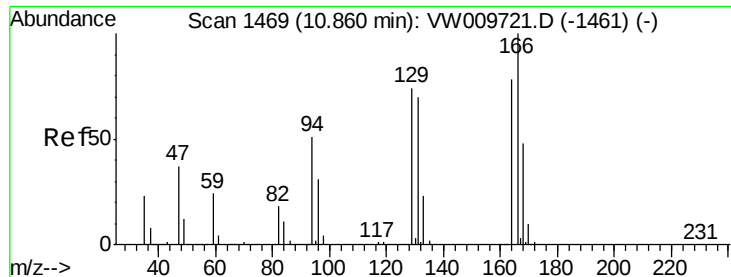
Tgt Ion: 75 Resp: 4470

Ion Ratio Lower Upper

75 100

77 58.6 21.1 39.3#





#47

Tetrachloroethene

Concen: 279.341 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009741.D

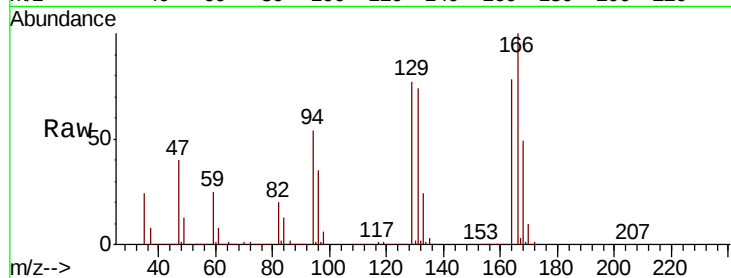
Acq: 05 Apr 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

BF172



Tgt Ion:164 Resp: 1571103

Ion Ratio Lower Upper

164 100

129 98.3 68.9 127.9

131 94.1 63.1 117.1

166 127.8 88.5 164.4

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

