

Data File : VW011380.D
Acq On : 19 Jul 2019 16:15
Operator : SY/VA
Sample : K3863-14
Misc : 6.16G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F4

Quant Time: Jul 20 00:51:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 20 00:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323879	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269999	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	102113	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	56057	11.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.32%
7) Chloroethane-d5	2.89	69	50175	14.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.84%
10) 1,1-Dichloroethene-d2	4.02	63	113286	10.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.28%#
20) 2-Butanone-d5	7.07	46	85427	43.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.70%
24) Chloroform-d	7.65	84	156872	17.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.68%
26) 1,2-Dichloroethane-d4	8.31	65	101285	18.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.12%
29) Benzene-d6	8.27	84	304564	18.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.24%
33) 1,2-Dichloropropane-d6	9.27	67	108687	20.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.28%
37) Toluene-d8	10.32	98	245355	16.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.20%
38) trans-1,3-Dichloropropene-	10.58	79	40050	17.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.56%
39) 2-Hexanone-d5	10.93	63	58427	47.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91619	20.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	70350	17.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.80%#

Target Compounds

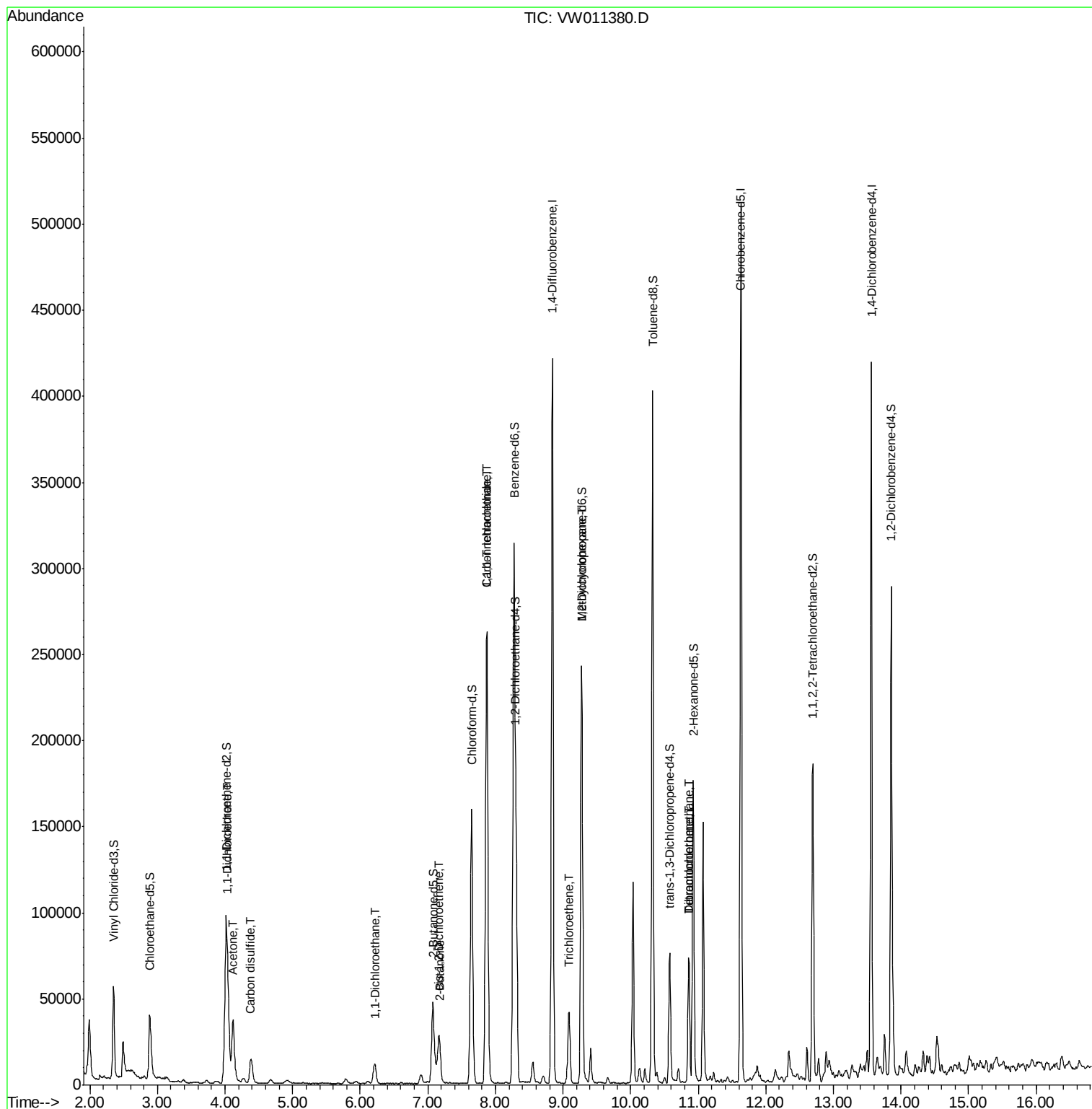
					Qvalue
12) 1,1-Dichloroethene	4.04	96	11395	2.677 ug/L #	1
13) Acetone	4.12	43	61637	32.392 ug/L	98
14) Carbon disulfide	4.38	76	26309	2.161 ug/L	95
19) 1,1-Dichloroethane	6.21	63	16612	1.903 ug/L	94
21) 2-Butanone	7.18	43	7149	2.910 ug/L	78
22) cis-1,2-Dichloroethene	7.17	96	12065	2.592 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	208105	37.137 ug/L	100
32) Carbon tetrachloride	7.87	117	25803	4.910 ug/L	99
35) Trichloroethene	9.09	95	12485	2.932 ug/L	97
36) Methylcyclohexane	9.27	83	24638	3.215 ug/L #	15
47) Tetrachloroethene	10.86	164	16229	5.043 ug/L	97
50) Dibromochloromethane	10.86	129	15152	4.444 ug/L #	11

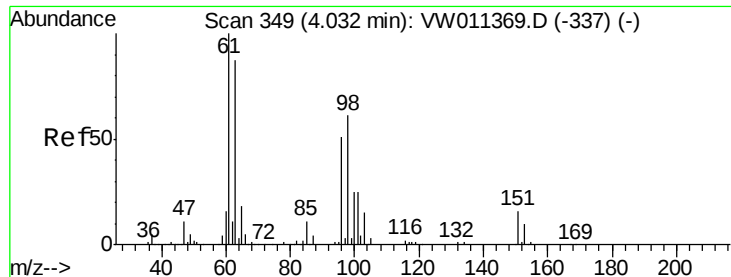
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.677 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampled :

A52F4

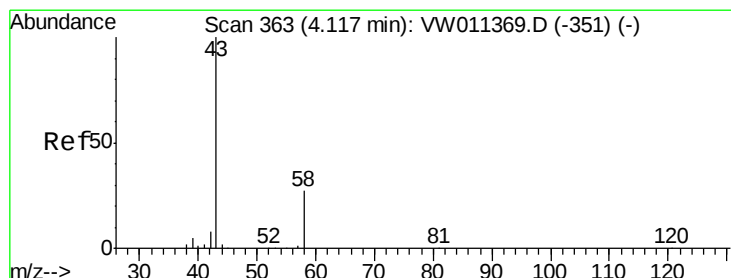
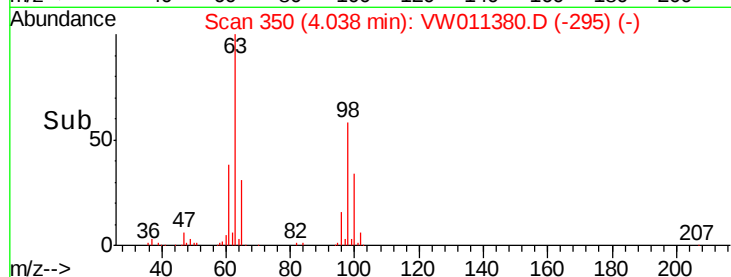
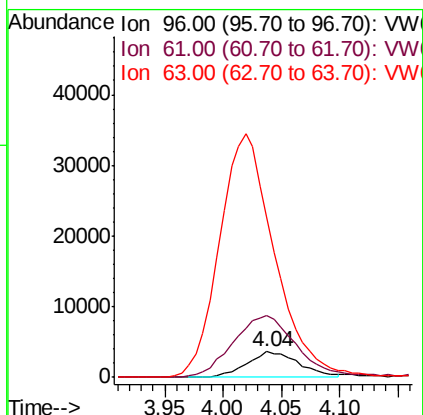
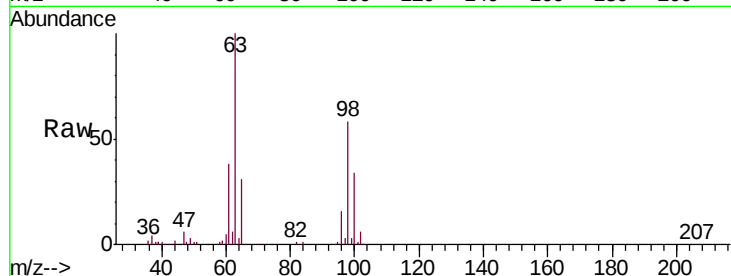
Tgt Ion: 96 Resp: 11395

Ion Ratio Lower Upper

96 100

61 241.2 142.2 264.0

63 631.0 138.9 257.9#



#13

Acetone

Concen: 32.392 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011380.D

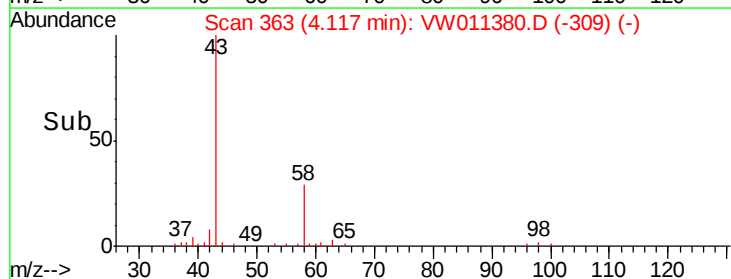
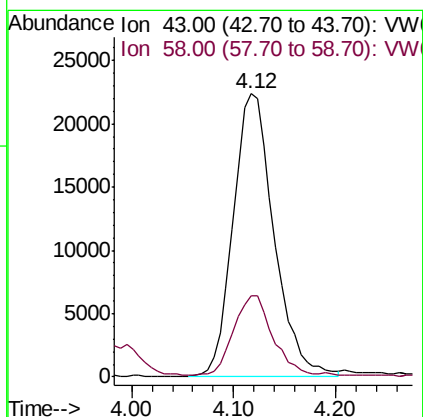
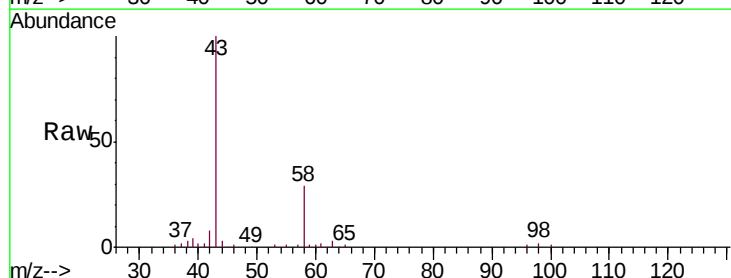
Acq: 19 Jul 2019 16:15

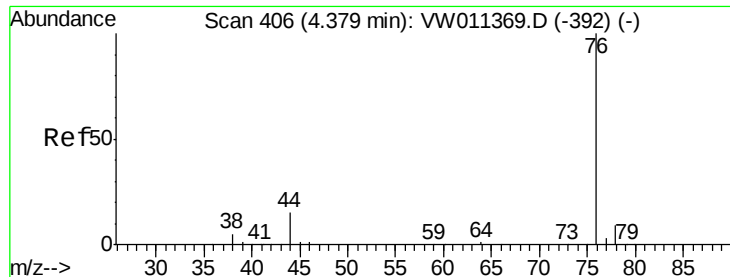
Tgt Ion: 43 Resp: 61637

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.0





#14

Carbon disulfide

Concen: 2.161 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

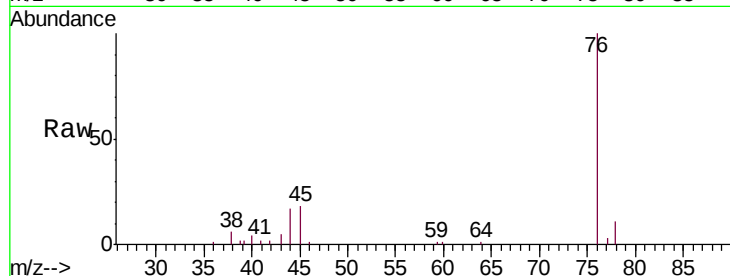
A52F4

Tgt Ion: 76 Resp: 26309

Ion Ratio Lower Upper

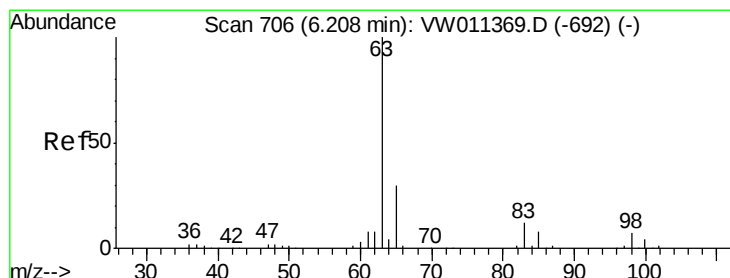
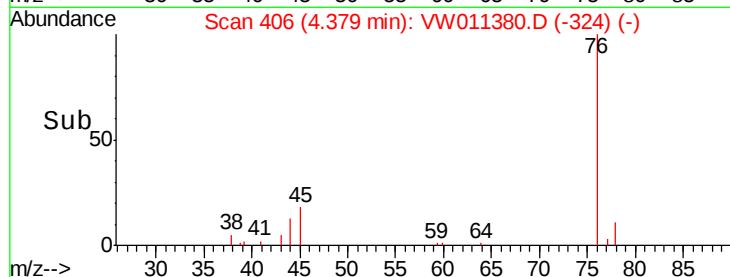
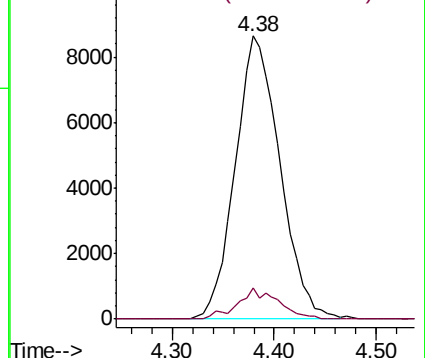
76 100

78 10.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#19

1,1-Dichloroethane

Concen: 1.903 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

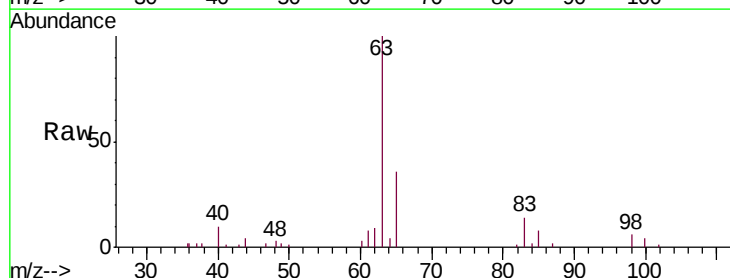
Tgt Ion: 63 Resp: 16612

Ion Ratio Lower Upper

63 100

65 35.8 22.1 41.1

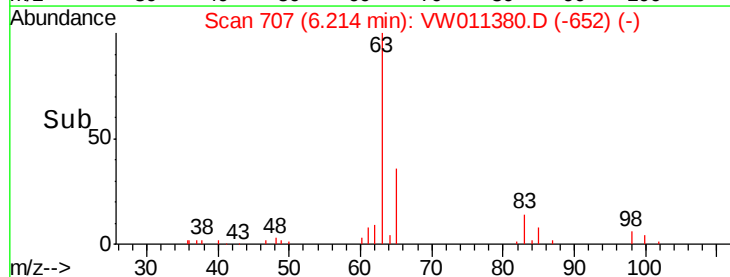
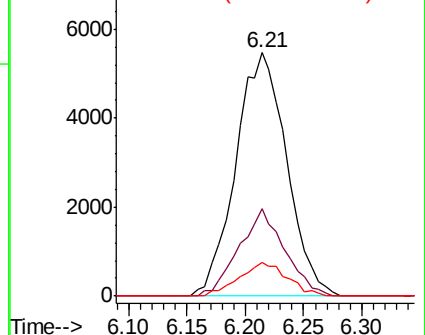
83 13.8 9.0 16.6

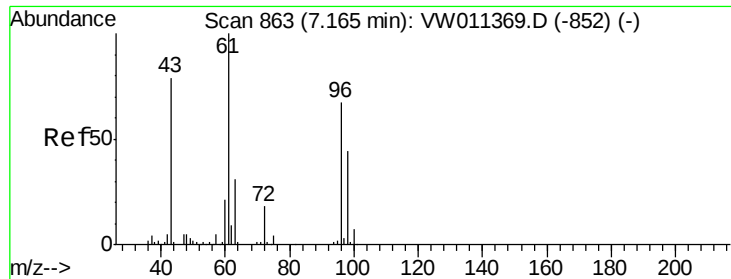


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW





#21

2-Butanone

Concen: 2.910 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

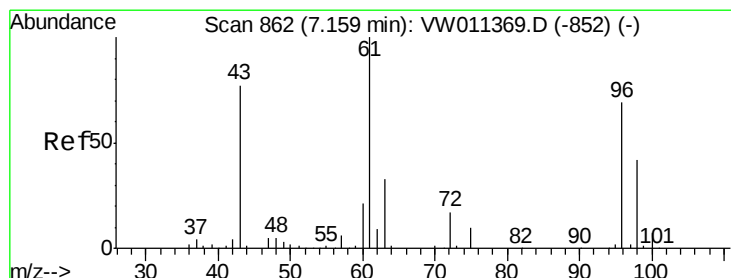
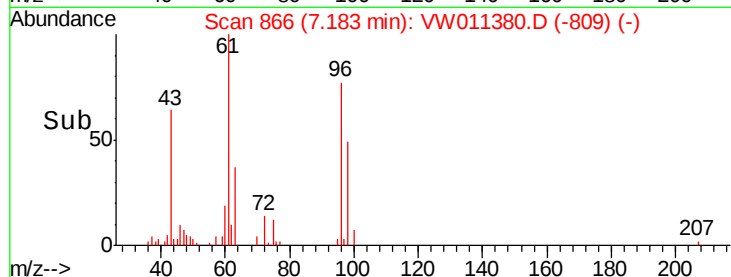
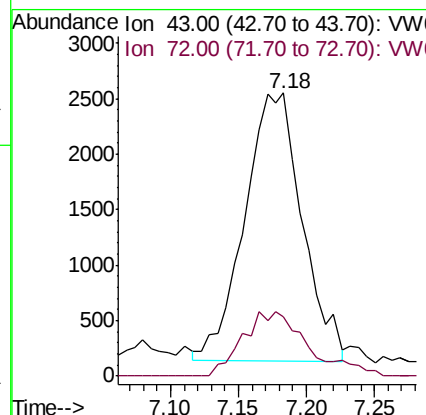
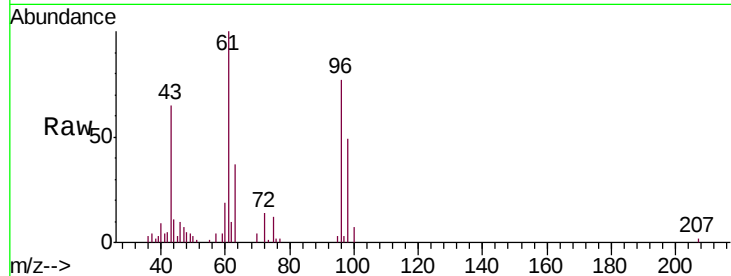
A52F4

Tgt Ion: 43 Resp: 7149

Ion Ratio Lower Upper

43 100

72 11.8 11.2 33.6



#22

cis-1,2-Dichloroethene

Concen: 2.592 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

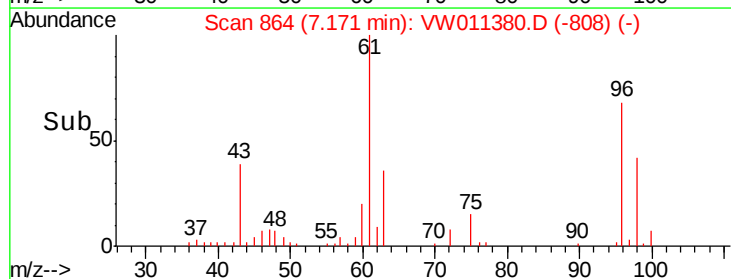
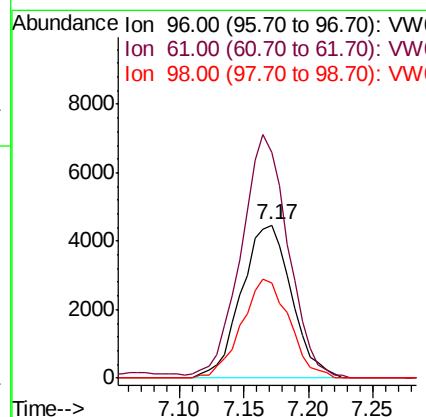
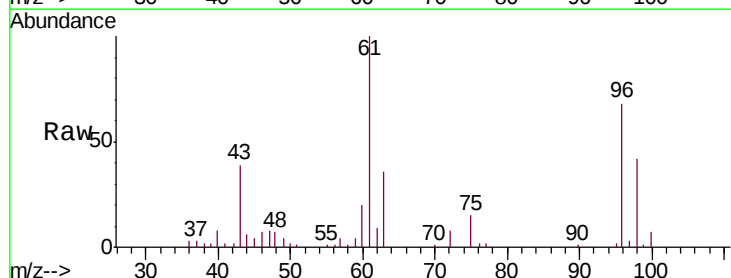
Tgt Ion: 96 Resp: 12065

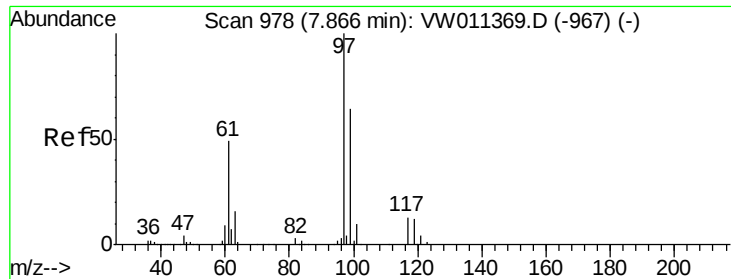
Ion Ratio Lower Upper

96 100

61 147.2 103.2 191.6

98 62.1 44.8 83.2





#31

1,1,1-Trichloroethane

Concen: 37.137 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

A52F4

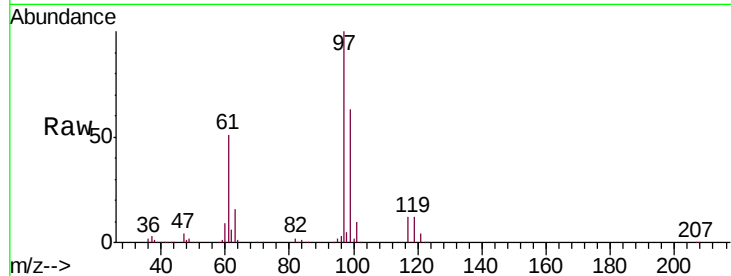
Tgt Ion: 97 Resp: 208105

Ion Ratio Lower Upper

97 100

99 63.6 50.6 75.8

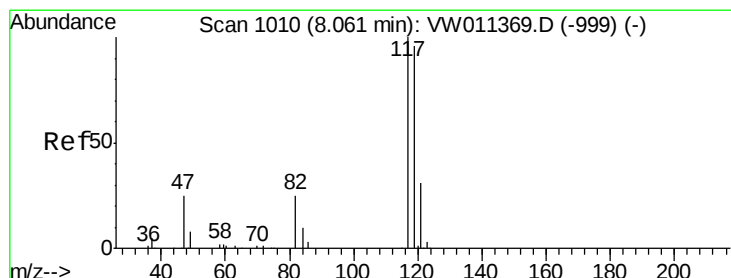
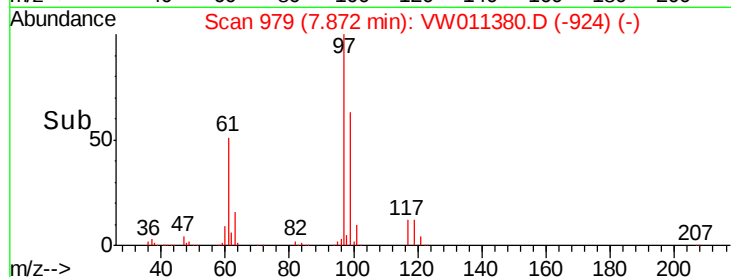
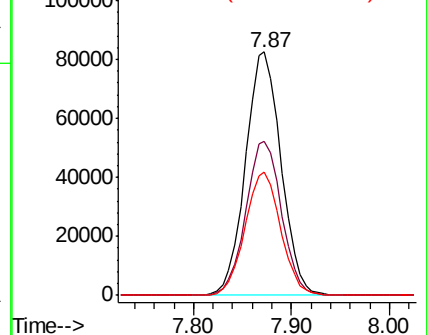
61 50.8 40.9 61.3



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 4.910 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.19 min

Lab File: VW011380.D

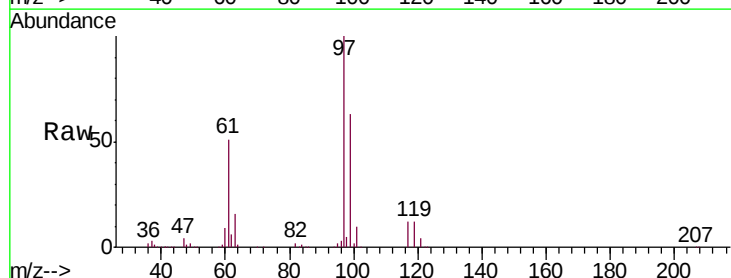
Acq: 19 Jul 2019 16:15

Tgt Ion: 117 Resp: 25803

Ion Ratio Lower Upper

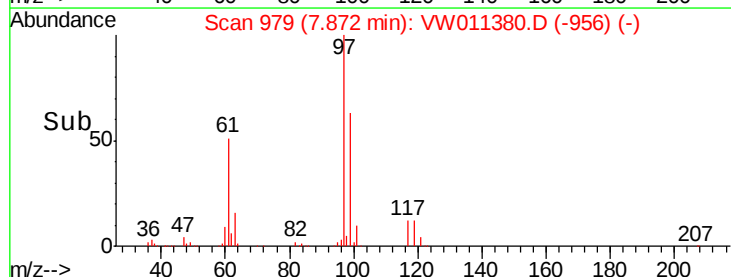
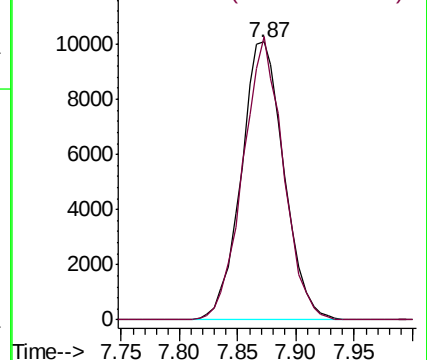
117 100

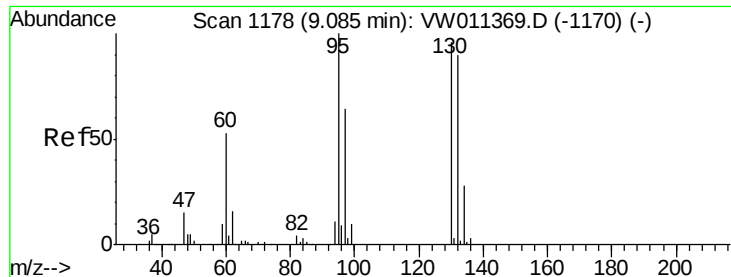
119 95.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#35

Trichloroethene

Concen: 2.932 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampleId :

A52F4

Tgt Ion: 95 Resp: 12485

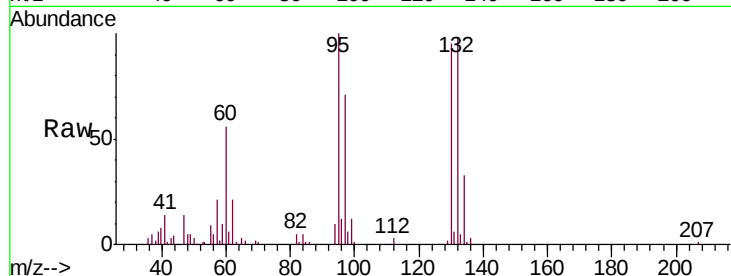
Ion Ratio Lower Upper

95 100

97 73.2 45.4 84.2

132 92.7 65.0 120.8

130 96.6 67.8 126.0

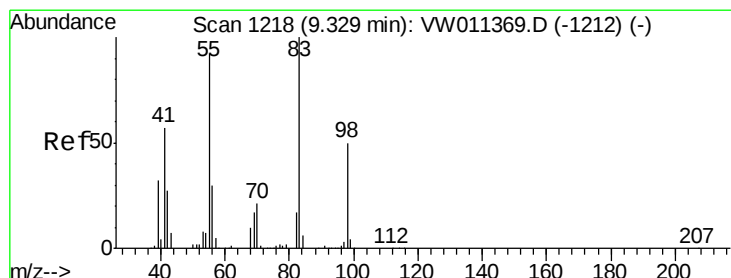
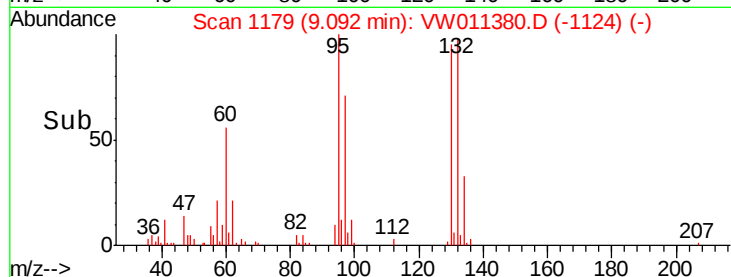
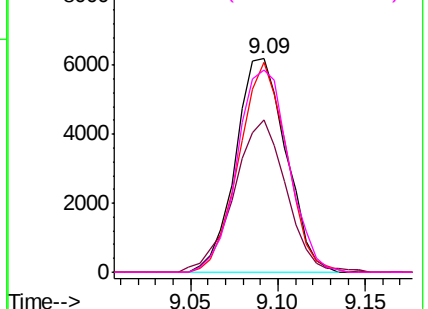


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 3.215 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.05 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

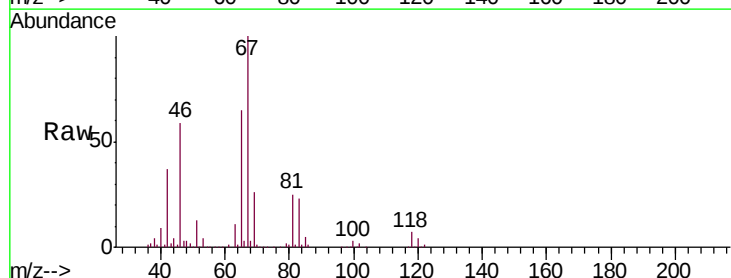
Tgt Ion: 83 Resp: 24638

Ion Ratio Lower Upper

83 100

55 1.2 72.2 108.4#

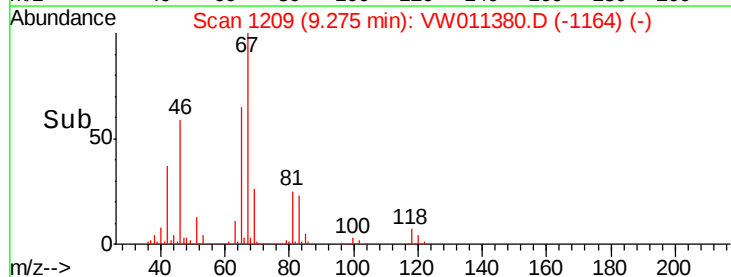
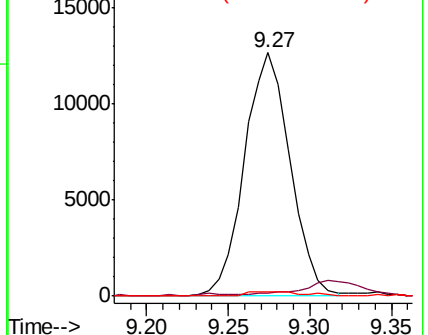
98 2.0 38.2 57.4#

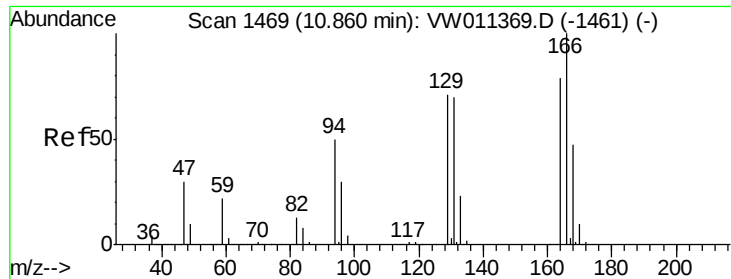


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#47

Tetrachloroethene

Concen: 5.043 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011380.D

Acq: 19 Jul 2019 16:15

Instrument :

MSVOA_W

ClientSampled :

A52F4

Tgt Ion:164 Resp: 16229

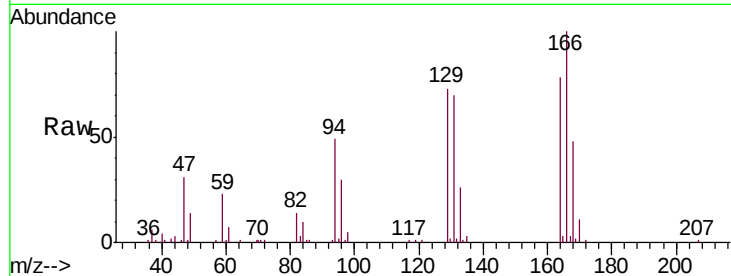
Ion Ratio Lower Upper

164 100

129 92.8 68.5 127.1

131 89.5 64.8 120.4

166 127.9 87.9 163.3

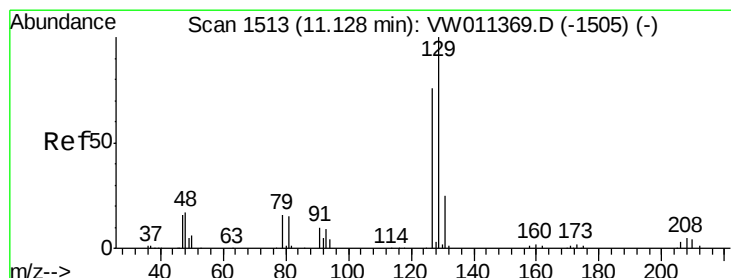
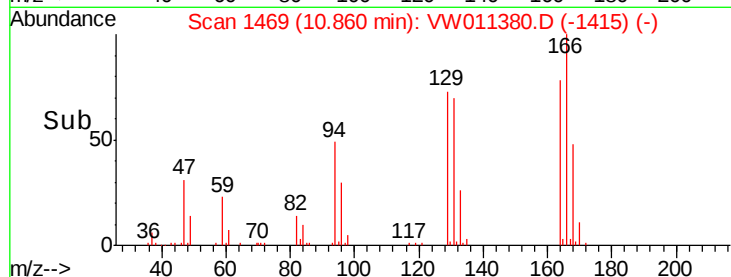
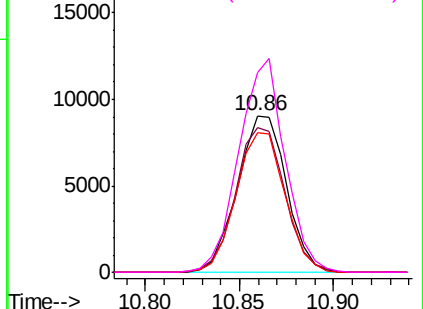


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 4.444 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW011380.D

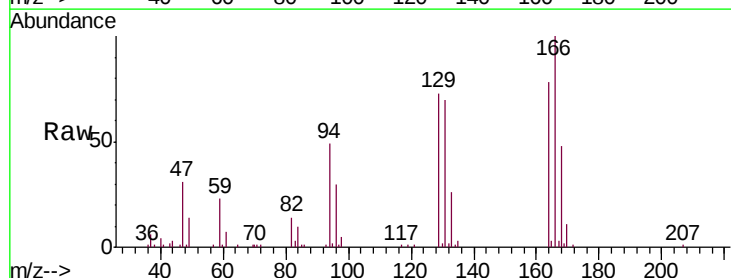
Acq: 19 Jul 2019 16:15

Tgt Ion:129 Resp: 15152

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

