

Data File : VW011325.D
Acq On : 18 Jul 2019 00:06
Operator : SY/VA
Sample : K3863-07
Misc : 5.62G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G7

Quant Time: Jul 18 06:42:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 18 06:37:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	11071	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	8318	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	1329	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	2304	13.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.52%
7) Chloroethane-d5	2.90	69	2955	24.92	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
10) 1,1-Dichloroethene-d2	4.03	63	4904	13.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.80%
20) 2-Butanone-d5	7.18	46	144	2.16	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	=	4.32%#
24) Chloroform-d	7.65	84	7487	24.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	8.31	65	5303	28.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.52%
29) Benzene-d6	8.27	84	13199	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
33) 1,2-Dichloropropane-d6	9.27	67	5371	32.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.76%#
37) Toluene-d8	10.32	98	9253	20.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.04%
38) trans-1,3-Dichloropropene-	10.58	79	1531	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.32%
39) 2-Hexanone-d5	10.93	63	1621	42.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4140	29.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	1381	27.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.28%

Target Compounds

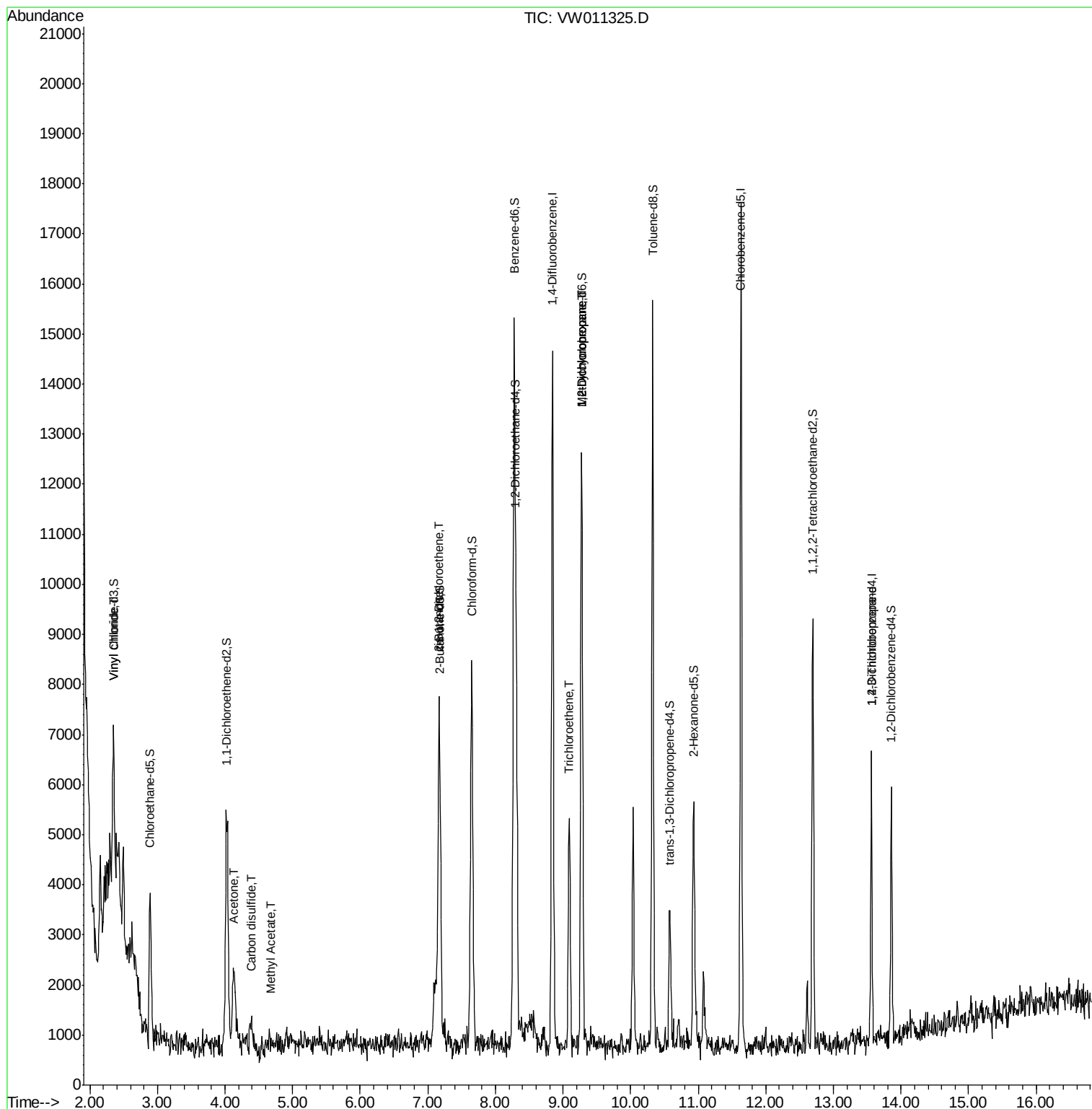
					Qvalue
5) Vinyl chloride	2.36	62	243	1.259 ug/L #	45
13) Acetone	4.12	43	3219	49.490 ug/L	93
14) Carbon disulfide	4.39	76	405	0.973 ug/L #	75
15) Methyl Acetate	4.67	43	286	2.702 ug/L #	58
21) 2-Butanone	7.17	43	694	8.265 ug/L #	71
22) cis-1,2-Dichloroethene	7.17	96	3064	19.254 ug/L	93
35) Trichloroethene	9.09	95	1599	12.189 ug/L	95
36) Methylcyclohexane	9.27	83	1301	5.511 ug/L #	14
40) 1,2-Dichloropropane	9.27	63	578	4.058 ug/L #	88
59) 1,2,3-Trichloropropane	13.56	75	194	1.925 ug/L	100

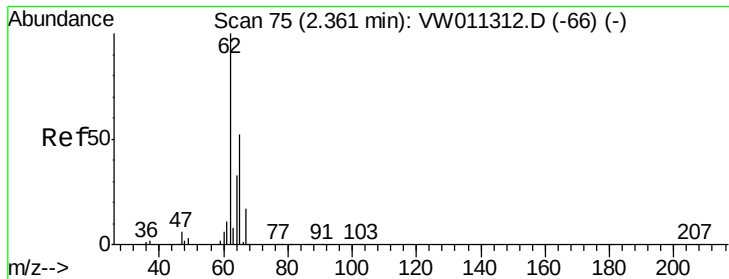
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.259 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

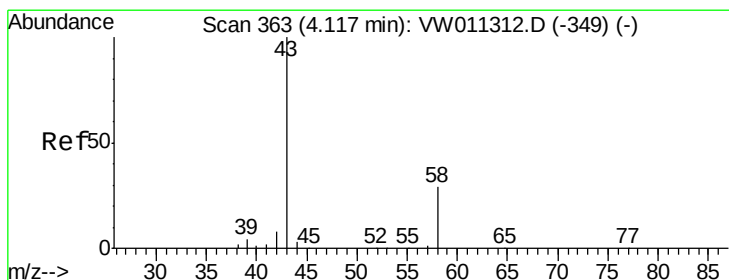
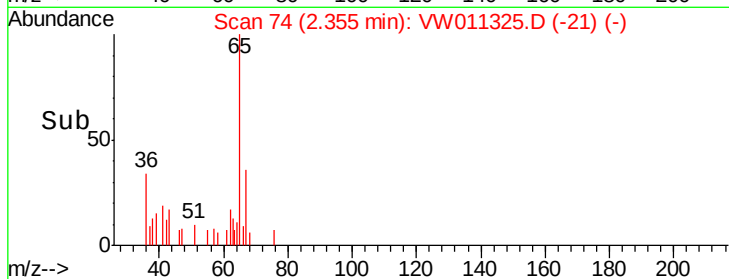
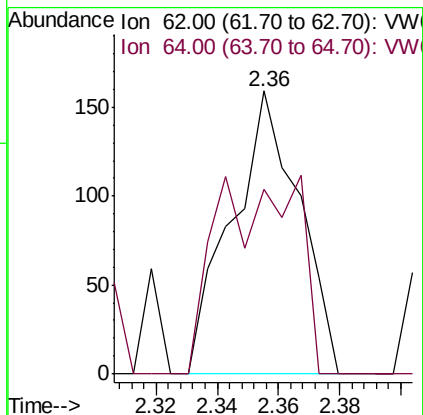
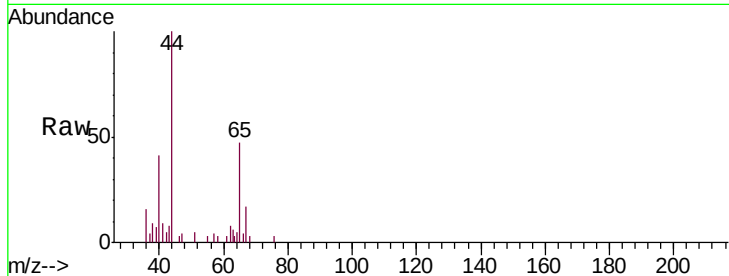
A52G7

Tgt Ion: 62 Resp: 243

Ion Ratio Lower Upper

62 100

64 65.4 23.9 44.3#



#13

Acetone

Concen: 49.490 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011325.D

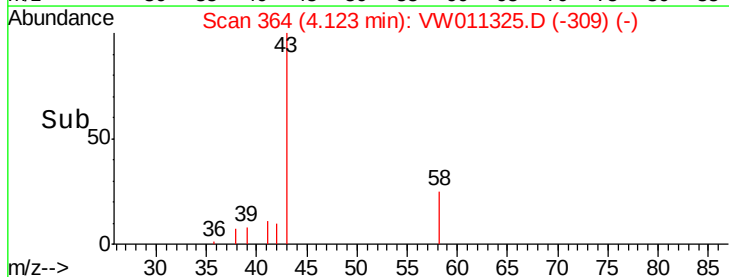
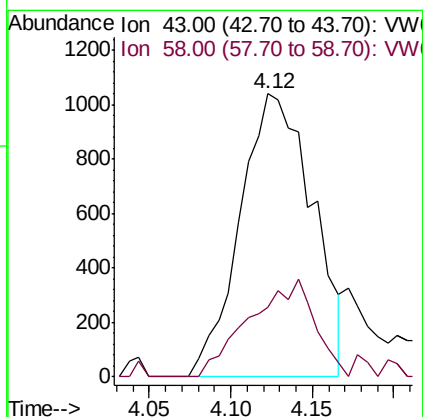
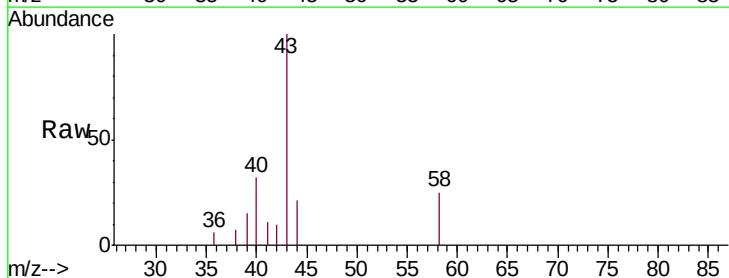
Acq: 18 Jul 2019 00:06

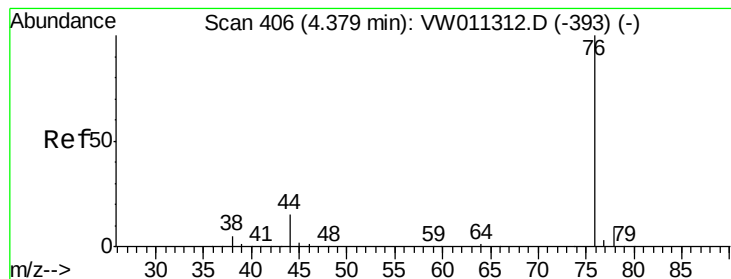
Tgt Ion: 43 Resp: 3219

Ion Ratio Lower Upper

43 100

58 30.9 0.0 55.0





#14

Carbon disulfide

Concen: 0.973 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011325.D

Acq: 18 Jul 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

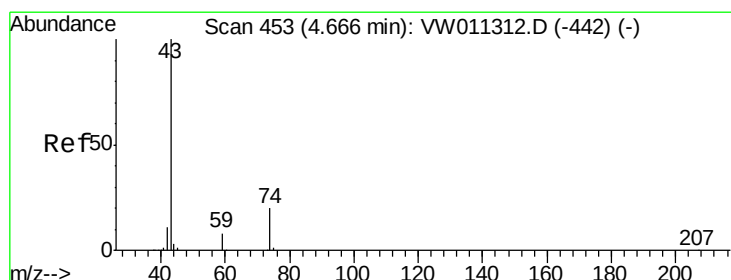
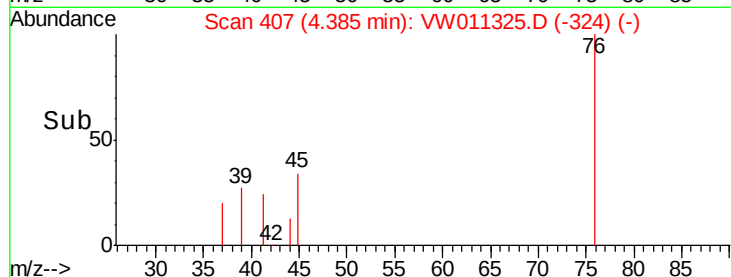
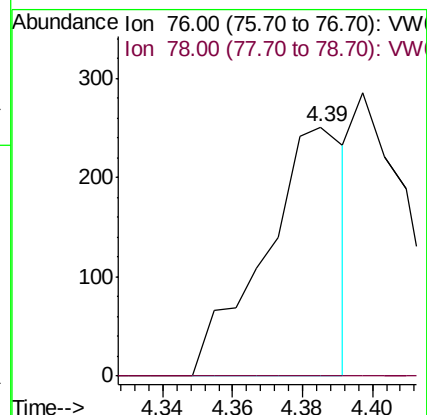
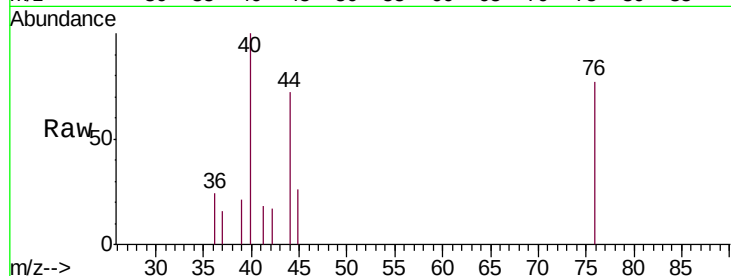
A52G7

Tgt Ion: 76 Resp: 405

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#15

Methyl Acetate

Concen: 2.702 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011325.D

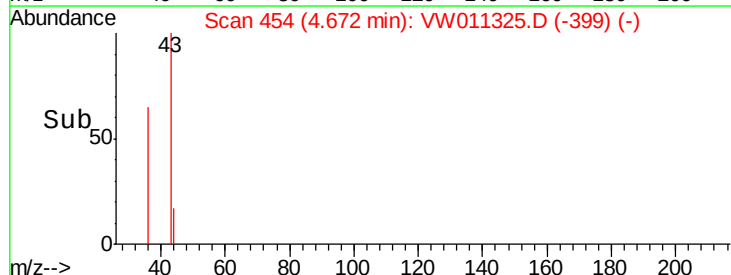
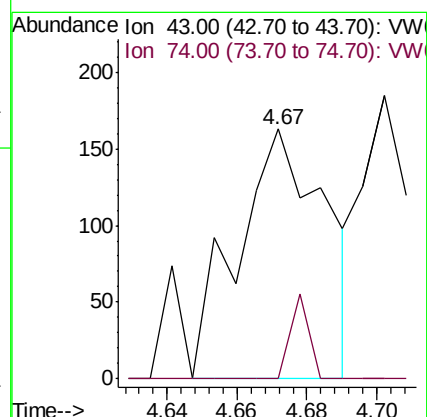
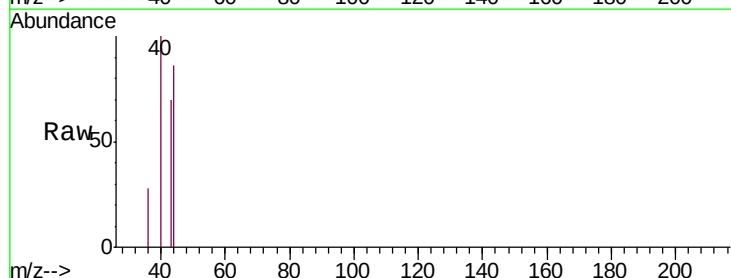
Acq: 18 Jul 2019 00:06

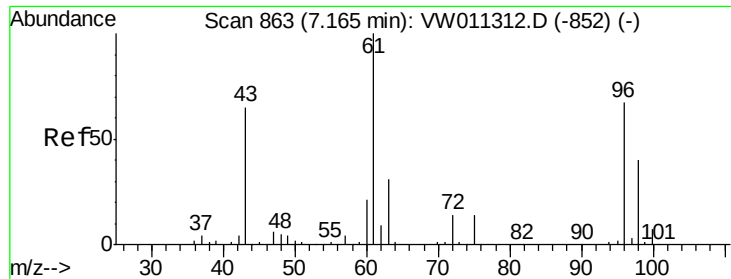
Tgt Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

74 0.0 15.1 22.7#





#21

2-Butanone

Concen: 8.265 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011325.D

Acq: 18 Jul 2019 00:06

Instrument :

MSVOA_W

ClientSampled :

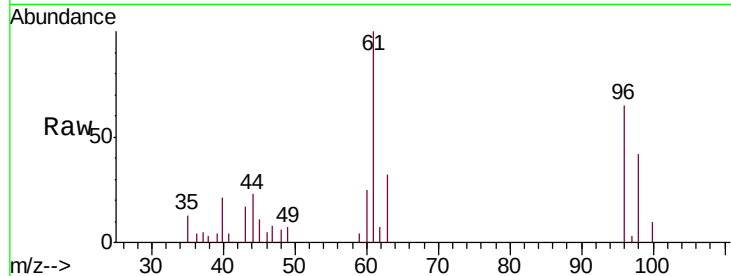
A52G7

Tgt Ion: 43 Resp: 694

Ion Ratio Lower Upper

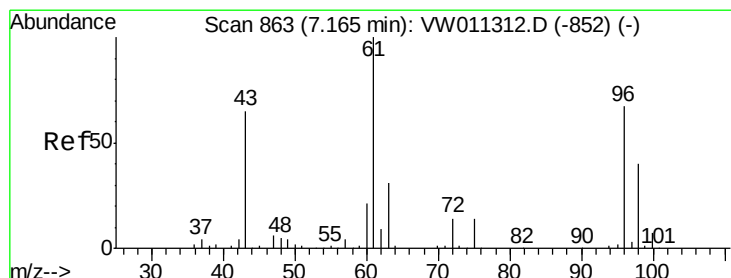
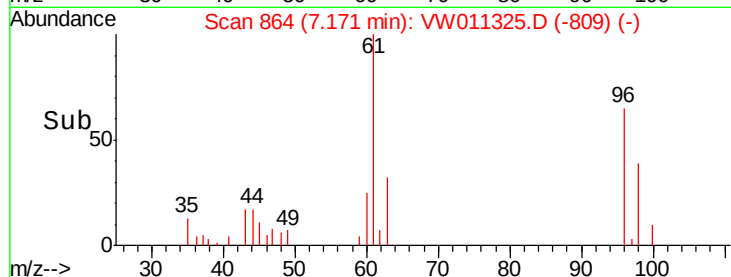
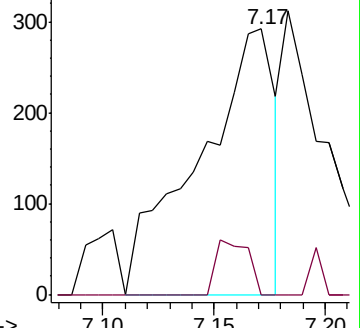
43 100

72 8.6 11.2 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 19.254 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011325.D

Acq: 18 Jul 2019 00:06

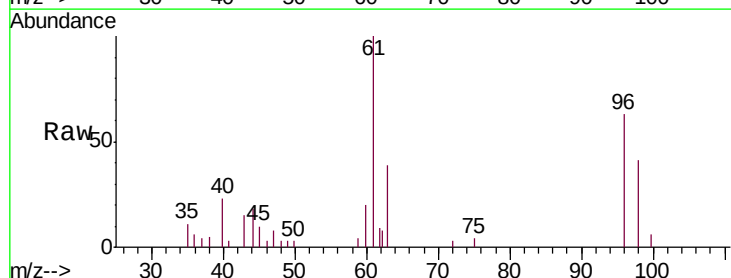
Tgt Ion: 96 Resp: 3064

Ion Ratio Lower Upper

96 100

61 159.1 103.2 191.6

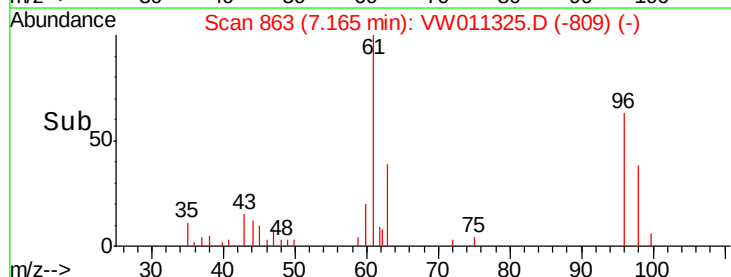
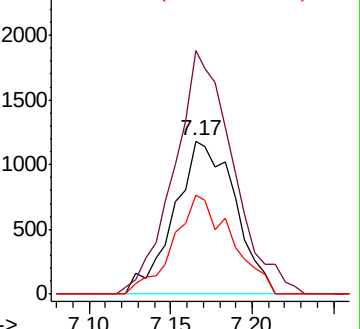
98 65.1 44.8 83.2

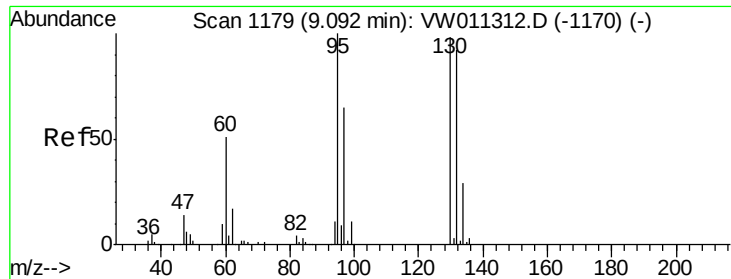


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 12.189 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011325.D

Acq: 18 Jul 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

A52G7

Tgt Ion: 95 Resp: 1599

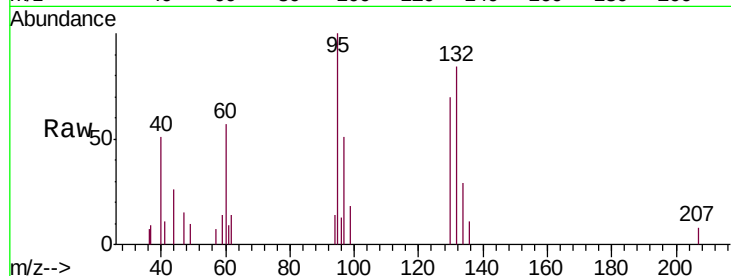
Ion Ratio Lower Upper

95 100

97 61.4 45.4 84.2

132 89.8 65.0 120.8

130 89.1 67.8 126.0



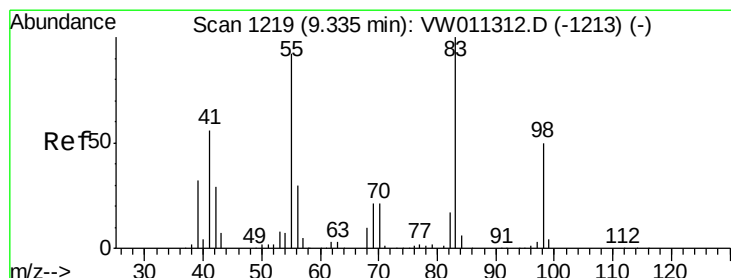
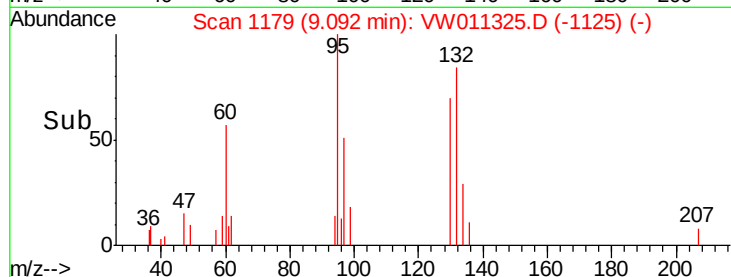
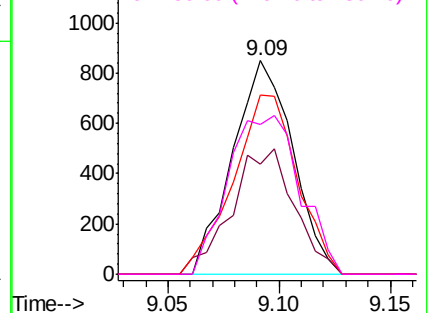
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 5.511 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW011325.D

Acq: 18 Jul 2019 00:06

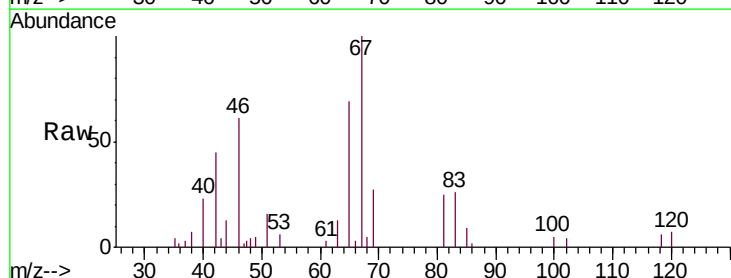
Tgt Ion: 83 Resp: 1301

Ion Ratio Lower Upper

83 100

55 1.7 72.2 108.4#

98 0.0 38.2 57.4#

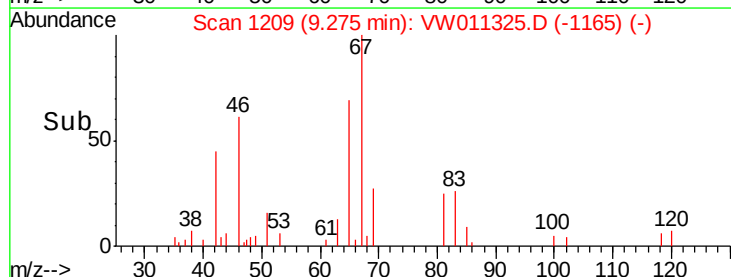
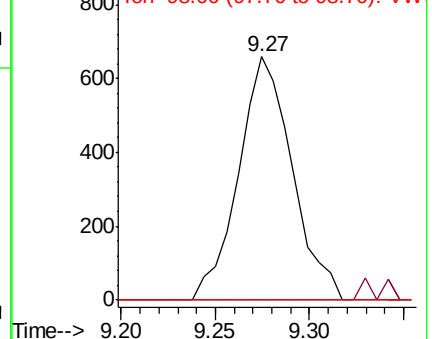


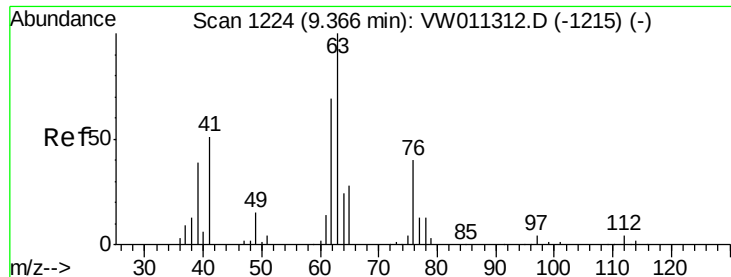
Abundance

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





#40

1,2-Dichloropropane

Concen: 4.058 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW011325.D

Acq: 18 Jul 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

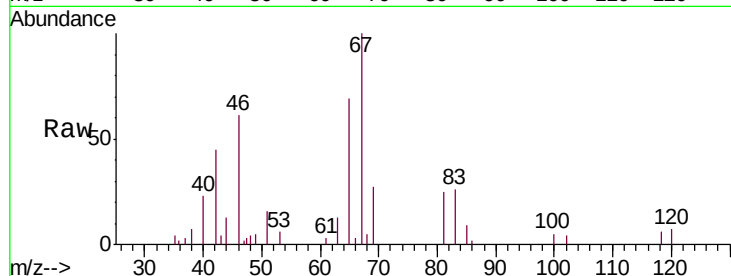
A52G7

Tgt Ion: 63 Resp: 578

Ion Ratio Lower Upper

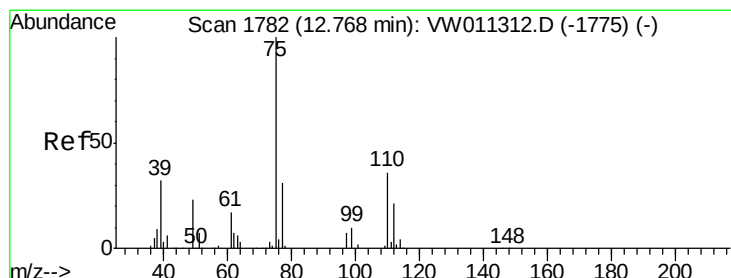
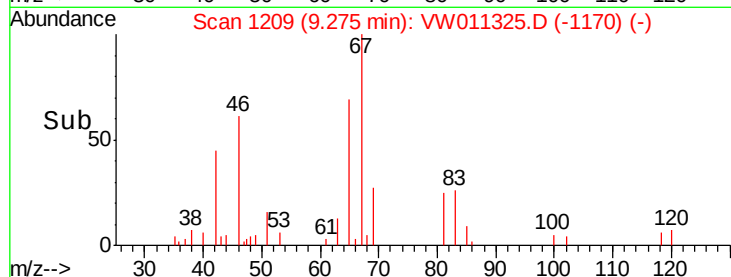
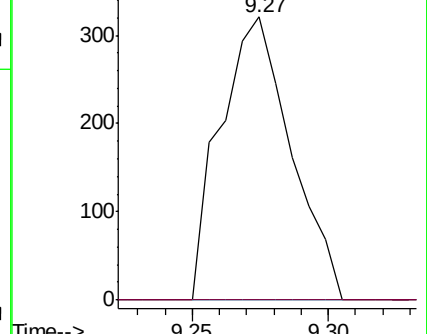
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#59

1,2,3-Trichloropropane

Concen: 1.925 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011325.D

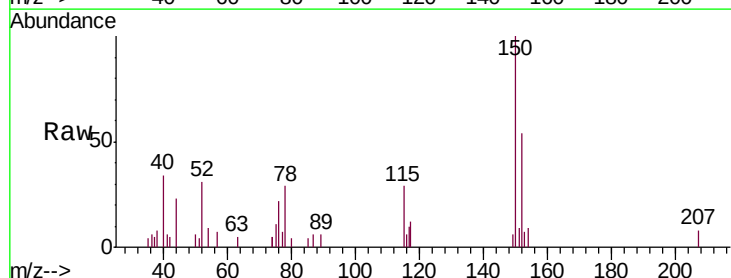
Acq: 18 Jul 2019 00:06

Tgt Ion: 75 Resp: 194

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

