

Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52J0

Quant Time: Jul 18 06:42:20 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	230250	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	169254	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	48359	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	47160	13.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.64%
7) Chloroethane-d5	2.88	69	51412	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
10) 1,1-Dichloroethene-d2	4.01	63	98724	13.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.04%
20) 2-Butanone-d5	7.07	46	98390	71.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.08%#
24) Chloroform-d	7.65	84	146998	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.43	65	109	0.03	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.27	84	276826	26.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.20%
33) 1,2-Dichloropropane-d6	9.27	67	102335	30.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.56%#
37) Toluene-d8	10.32	98	205876	22.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.64%
38) trans-1,3-Dichloropropene-	10.57	79	34880	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.64%
39) 2-Hexanone-d5	10.92	63	60805	78.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.18%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86130	30.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	42528	22.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.64%

Target Compounds

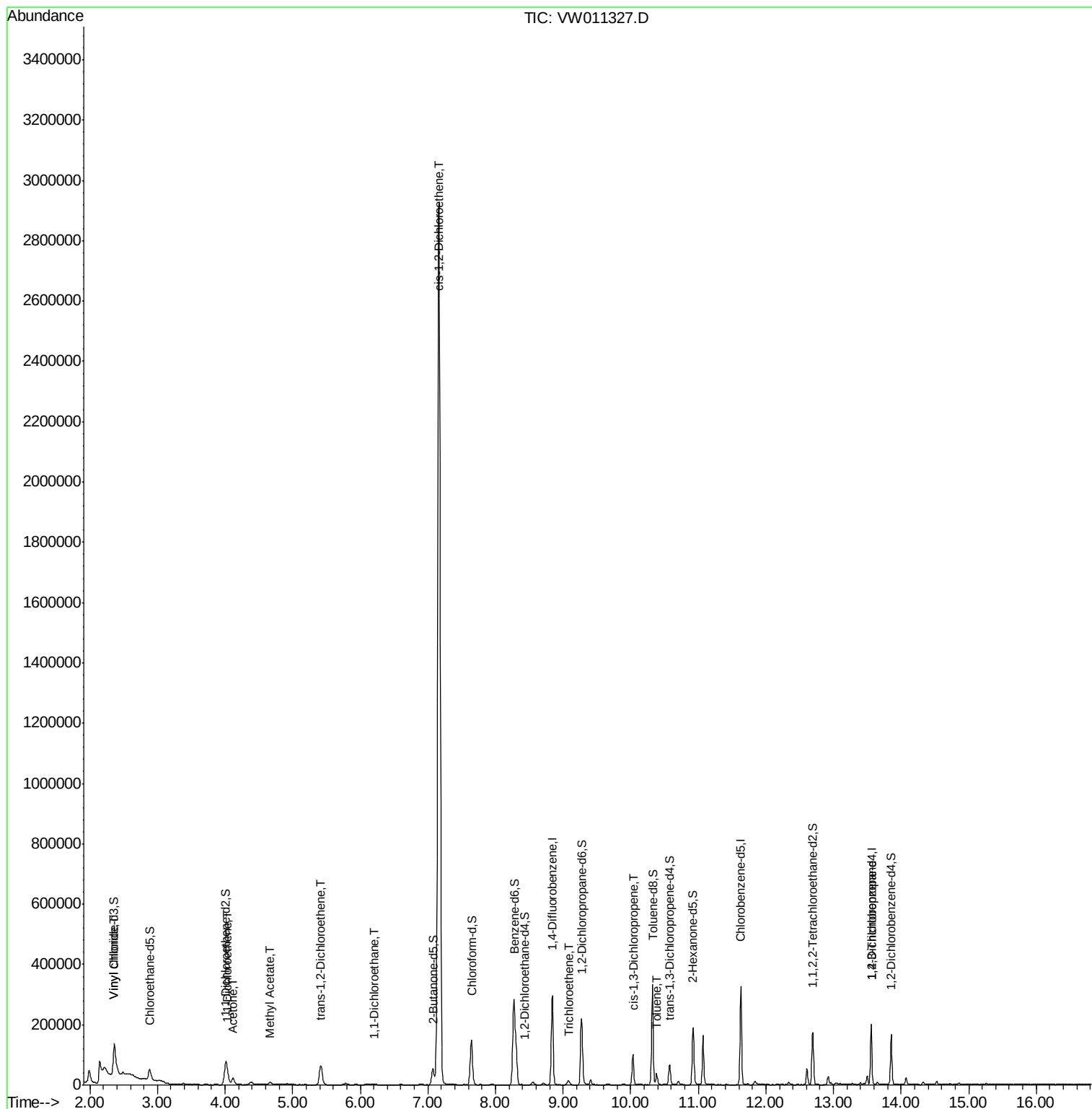
						Qvalue
5) Vinyl chloride	2.36	62	114021	28.414	ug/L #	20
12) 1,1-Dichloroethene	4.04	96	2603	0.860	ug/L #	1
13) Acetone	4.12	43	38238	28.267	ug/L	96
15) Methyl Acetate	4.67	43	13084	5.944	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	38196	12.492	ug/L	98
19) 1,1-Dichloroethane	6.21	63	3769	0.607	ug/L #	94
22) cis-1,2-Dichloroethene	7.17	96	1652341	499.242	ug/L	99
35) Trichloroethene	9.09	95	2864	1.073	ug/L #	88
42) cis-1,3-Dichloropropene	10.03	75	2431	0.568	ug/L #	56
44) Toluene	10.39	91	26667	2.436	ug/L	100
59) 1,2,3-Trichloropropane	13.56	75	7075	3.450	ug/L	96

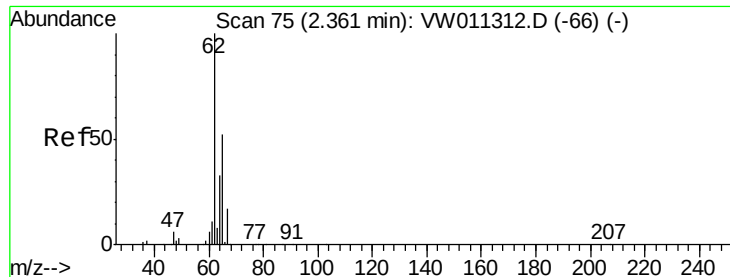
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 18 06:37:55 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 28.414 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

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Acq: 18 Jul 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

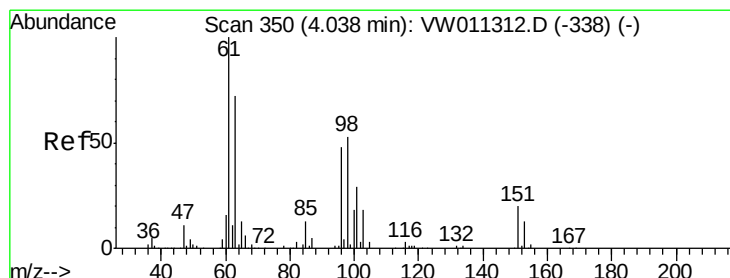
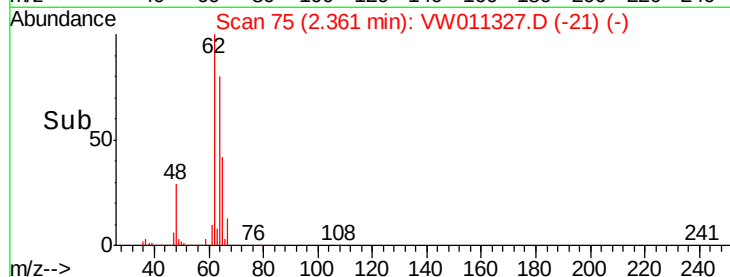
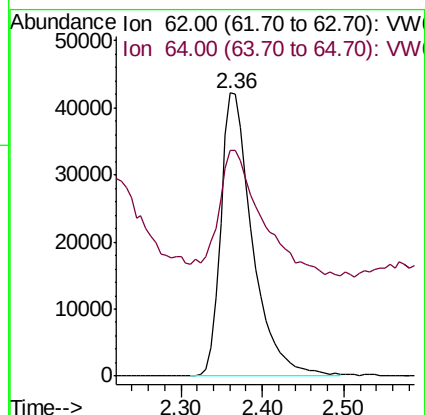
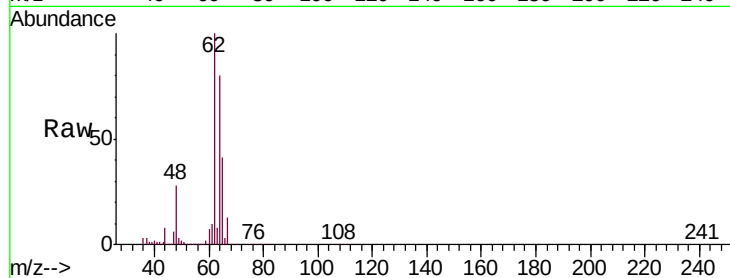
A52J0

Tgt Ion: 62 Resp: 114021

Ion Ratio Lower Upper

62 100

64 79.9 23.9 44.3#



#12

1,1-Dichloroethene

Concen: 0.860 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

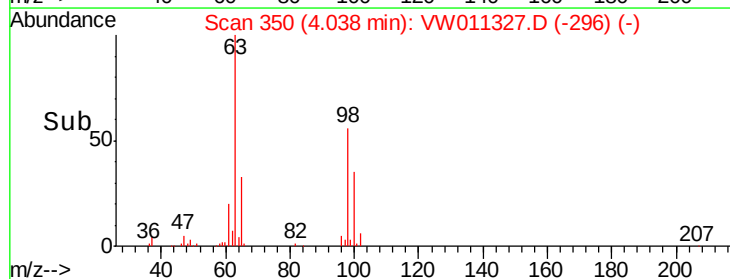
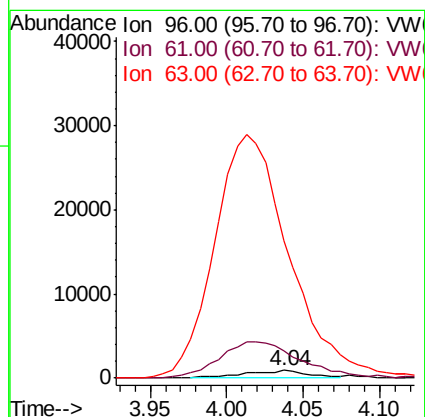
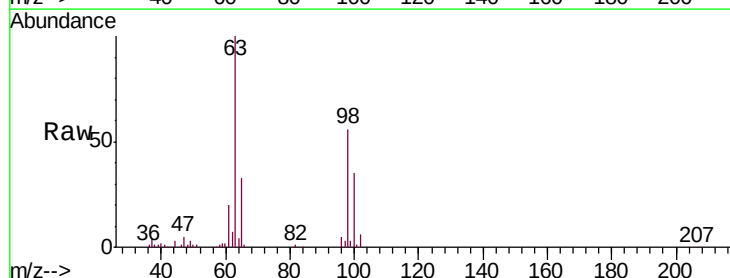
Tgt Ion: 96 Resp: 2603

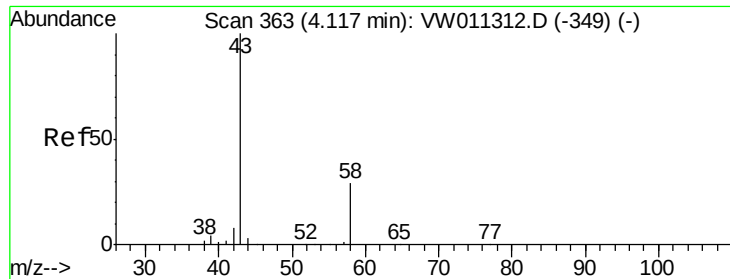
Ion Ratio Lower Upper

96 100

61 370.7 142.2 264.0#

63 1836.2 138.9 257.9#





#13

Acetone

Concen: 28.267 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

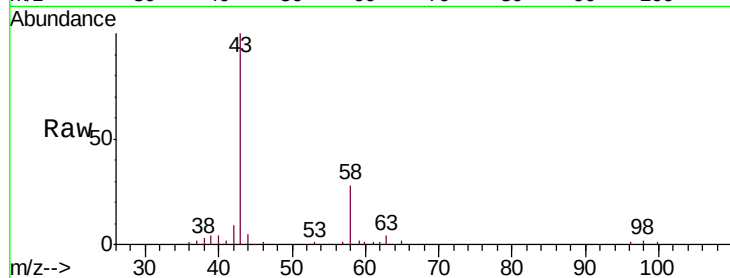
A52J0

Tgt Ion: 43 Resp: 38238

Ion Ratio Lower Upper

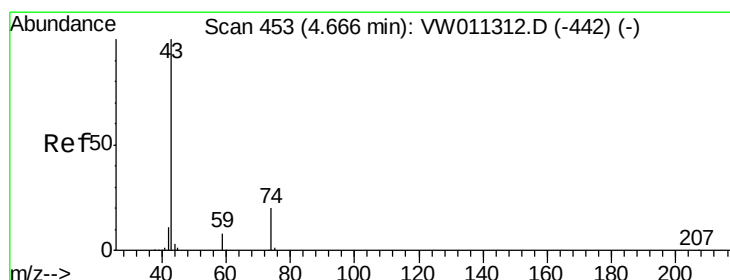
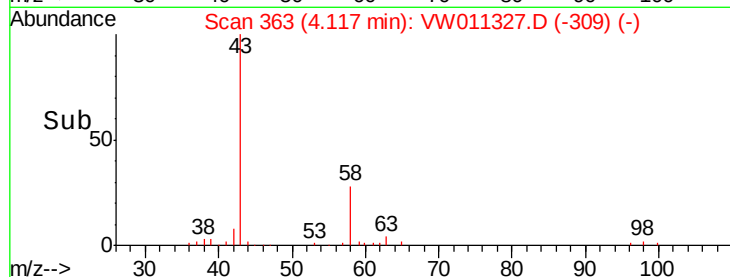
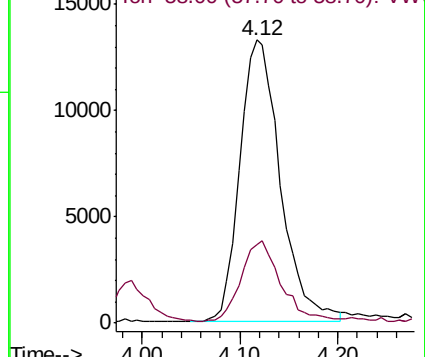
43 100

58 29.8 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#15

Methyl Acetate

Concen: 5.944 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011327.D

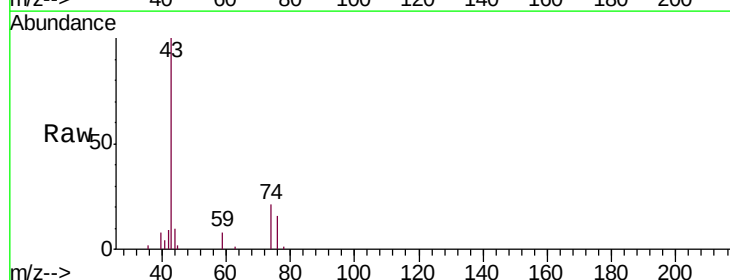
Acq: 18 Jul 2019 01:00

Tgt Ion: 43 Resp: 13084

Ion Ratio Lower Upper

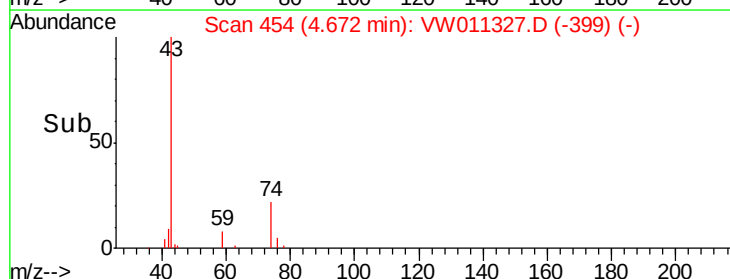
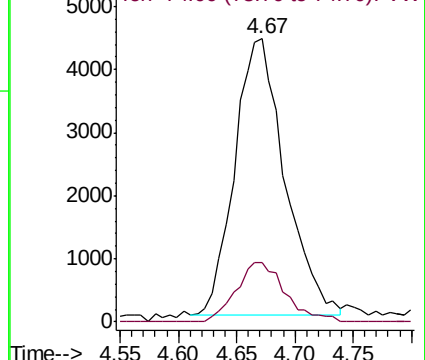
43 100

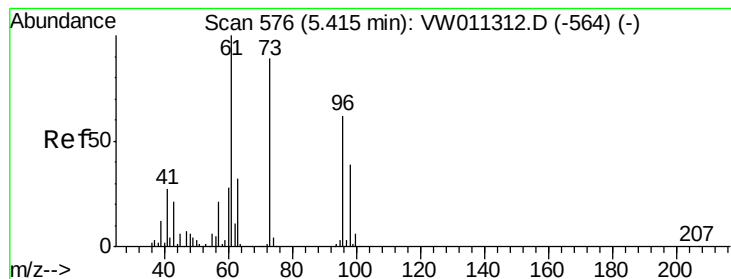
74 21.0 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#18

trans-1,2-Dichloroethene

Concen: 12.492 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

Instrument :

MSVOA_W

ClientSampled :

A52J0

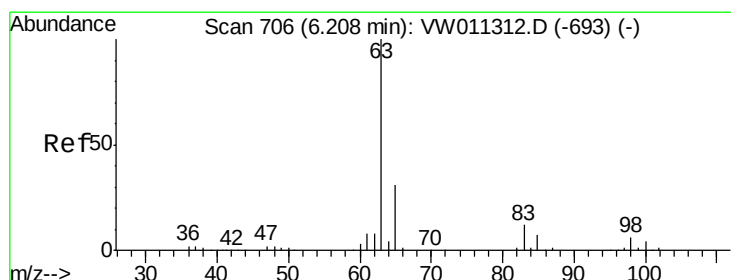
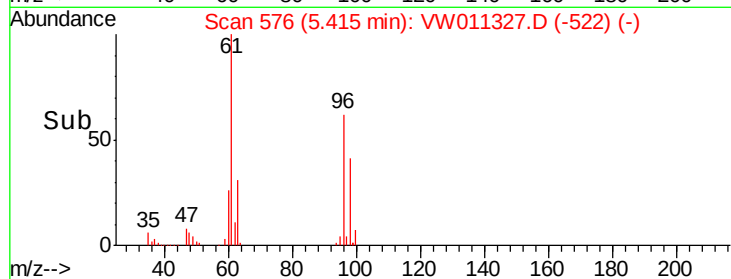
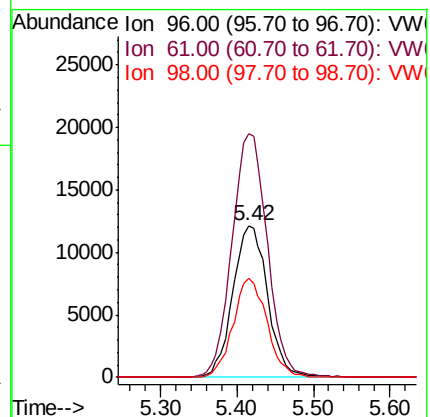
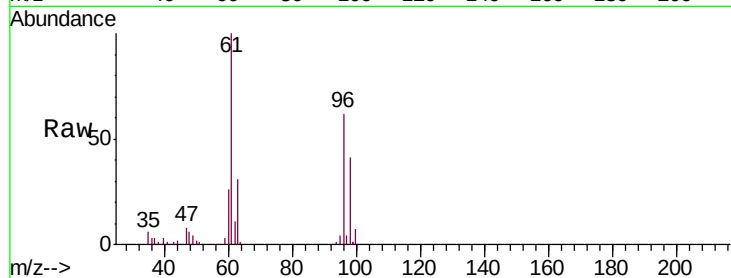
Tgt Ion: 96 Resp: 38196

Ion Ratio Lower Upper

96 100

61 160.5 113.7 211.1

98 65.3 43.3 80.3



#19

1,1-Dichloroethane

Concen: 0.607 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

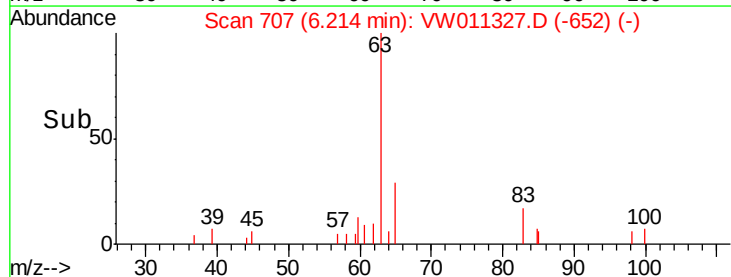
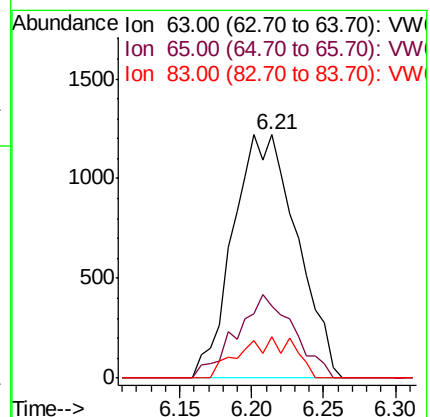
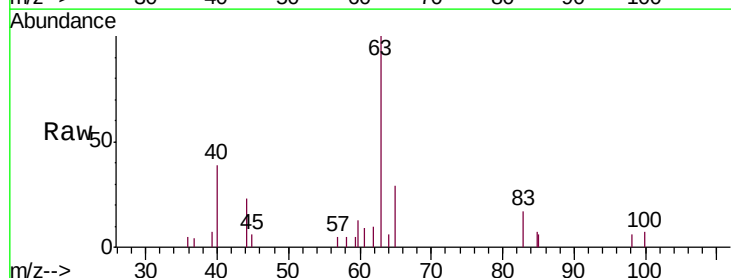
Tgt Ion: 63 Resp: 3769

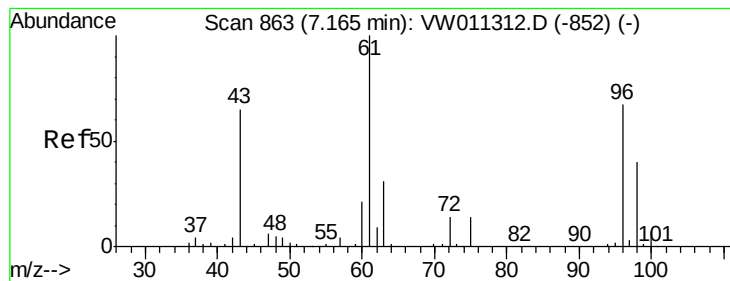
Ion Ratio Lower Upper

63 100

65 29.4 22.1 41.1

83 16.9 9.0 16.6#





#22

cis-1,2-Dichloroethene

Concen: 499.242 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

A52J0

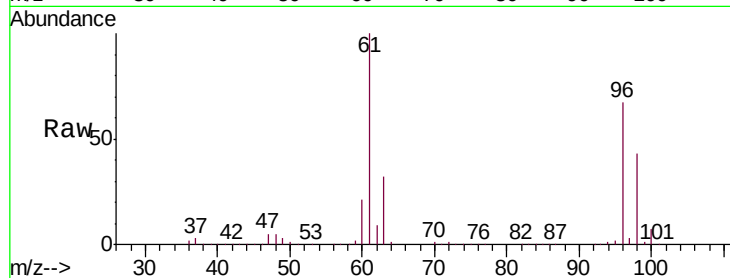
Tgt Ion: 96 Resp: 1652341

Ion Ratio Lower Upper

96 100

61 149.6 103.2 191.6

98 64.4 44.8 83.2

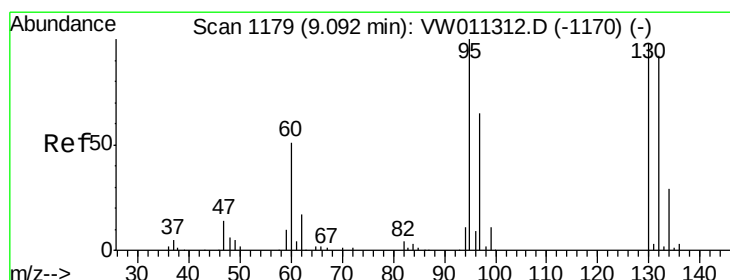
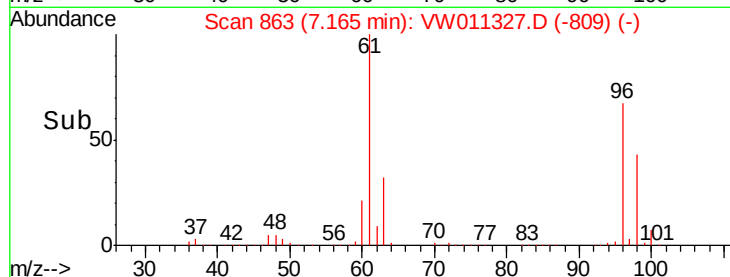
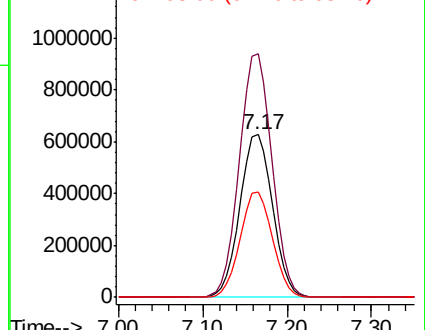


Abundance

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: 1.073 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

Tgt Ion: 95 Resp: 2864

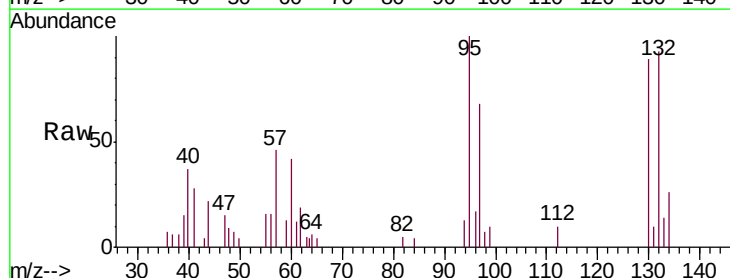
Ion Ratio Lower Upper

95 100

97 86.3 45.4 84.2#

132 97.4 65.0 120.8

130 88.7 67.8 126.0



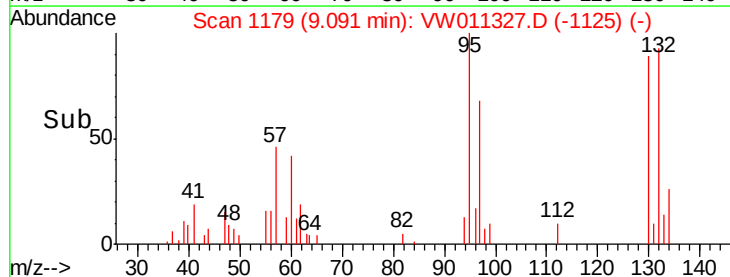
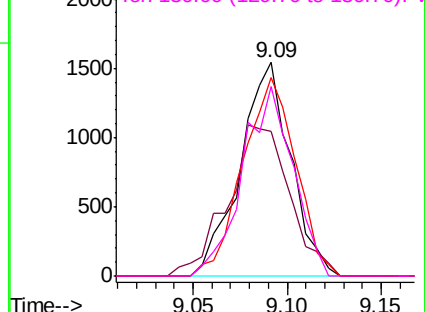
Abundance

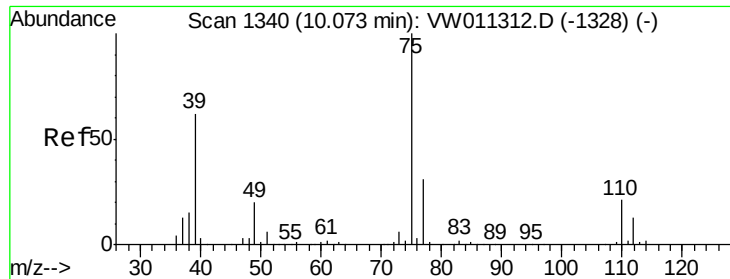
Ion 95.00 (94.70 to 95.70): VW

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

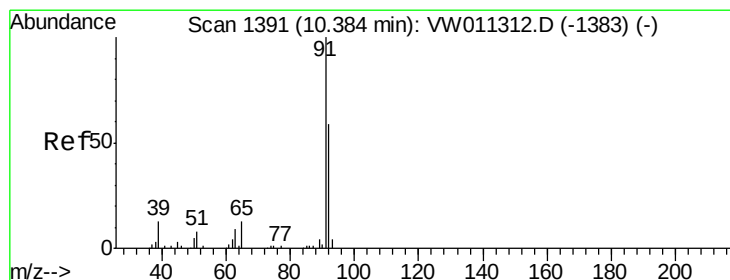
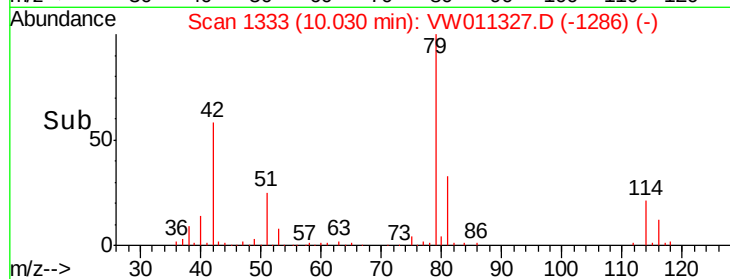
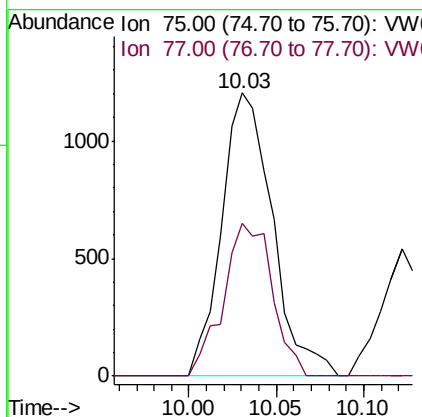
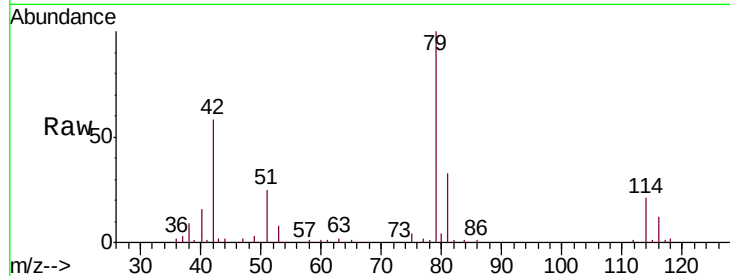




#42
 cis-1,3-Dichloropropene
 Concen: 0.568 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW011327.D
 Acq: 18 Jul 2019 01:00

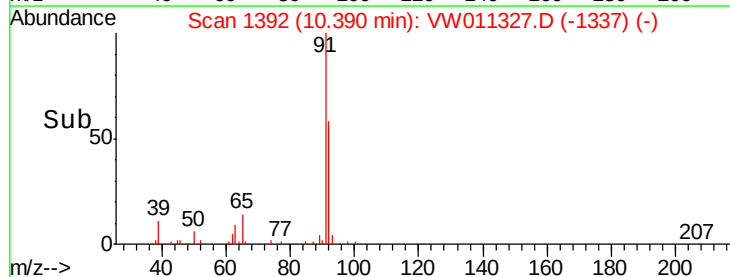
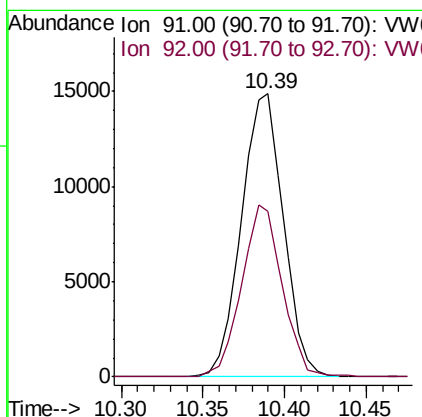
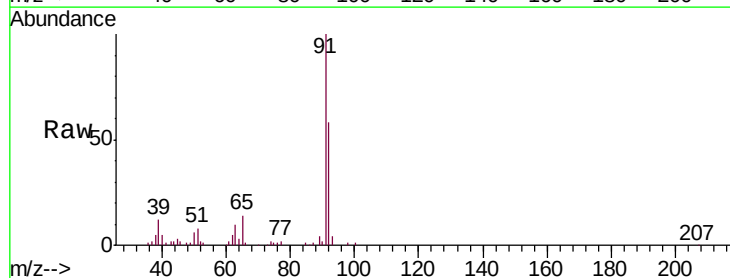
Instrument :
 MSVOA_W
 ClientSampleId :
 A52J0

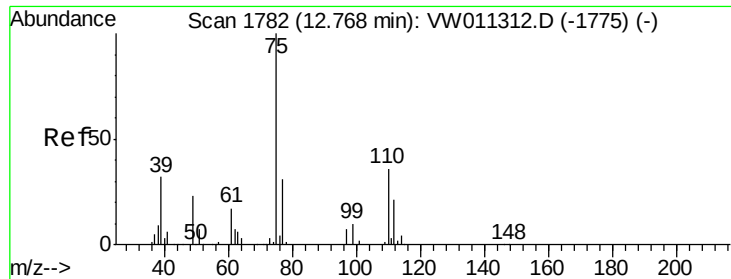
Tgt Ion: 75 Resp: 2431
 Ion Ratio Lower Upper
 75 100
 77 54.1 21.1 39.1#



#44
 Toluene
 Concen: 2.436 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW011327.D
 Acq: 18 Jul 2019 01:00

Tgt Ion: 91 Resp: 26667
 Ion Ratio Lower Upper
 91 100
 92 58.4 40.8 75.8





#59

1,2,3-Trichloropropane

Concen: 3.450 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011327.D

Acq: 18 Jul 2019 01:00

Instrument :

MSVOA_W

ClientSampleId :

A52J0

Tgt Ion: 75 Resp: 7075

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.0

