

Data File : VW011322.D
Acq On : 17 Jul 2019 22:45
Operator : SY/VA
Sample : K3863-03
Misc : 7.19G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F8

Quant Time: Jul 18 06:41:42 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	333392	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307390	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	139056	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	57349	11.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.04%
7) Chloroethane-d5	2.88	69	51350	14.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.52%
10) 1,1-Dichloroethene-d2	4.01	63	144108	13.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.48%
20) 2-Butanone-d5	7.08	46	138653	69.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.28%#
24) Chloroform-d	7.65	84	173656	19.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.00%
26) 1,2-Dichloroethane-d4	8.30	65	121894	21.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.64%
29) Benzene-d6	8.27	84	337132	17.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.20%
33) 1,2-Dichloropropane-d6	9.27	67	125981	20.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.72%
37) Toluene-d8	10.32	98	289864	17.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.72%
38) trans-1,3-Dichloropropene-	10.58	79	49058	18.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.84%
39) 2-Hexanone-d5	10.92	63	90282	63.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141506	27.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	106750	20.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.00%

Target Compounds

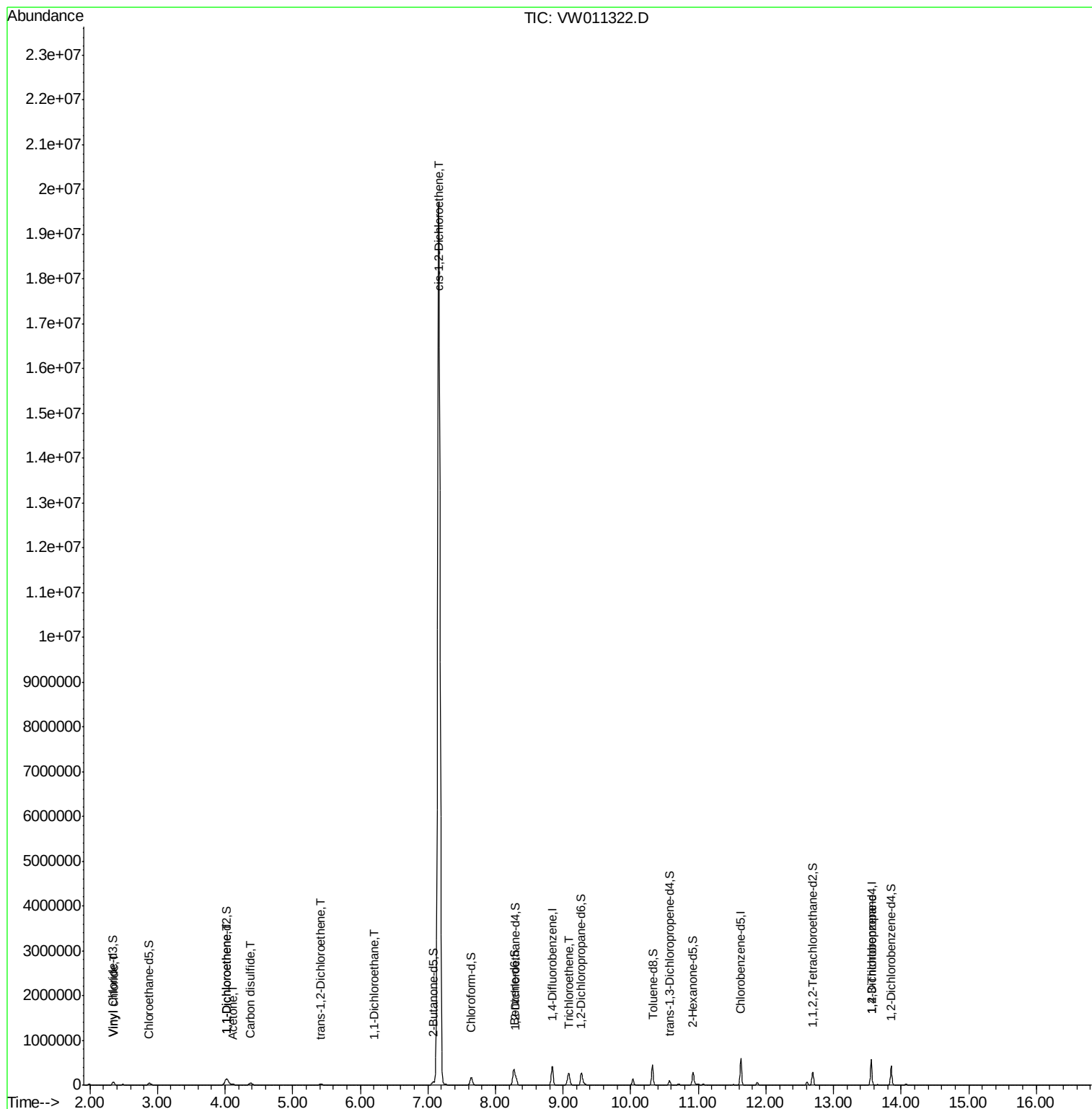
						Qvalue
5) Vinyl chloride	2.35	62	19413	3.341	ug/L	90
12) 1,1-Dichloroethene	4.03	96	44682	10.198	ug/L	87
13) Acetone	4.12	43	30236	15.437	ug/L	98
14) Carbon disulfide	4.37	76	112627	8.987	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	9333	2.108	ug/L	99
19) 1,1-Dichloroethane	6.21	63	7954	0.885	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	11363111	2371.118	ug/L	97
35) Trichloroethene	9.09	95	71404	14.728	ug/L	95
59) 1,2,3-Trichloropropane	13.55	75	19244	5.167	ug/L	93

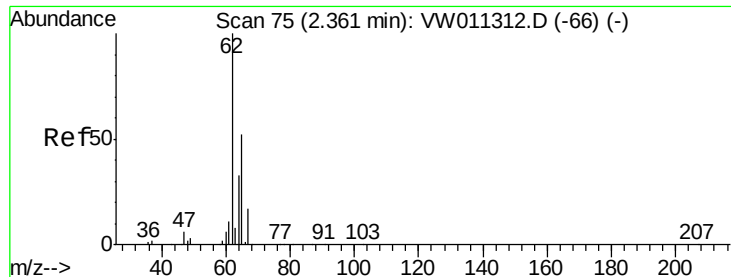
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.341 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011322.D

Acq: 17 Jul 2019 22:45

Instrument :

MSVOA_W

ClientSampled :

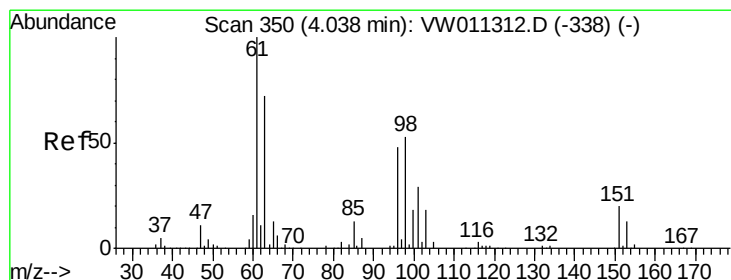
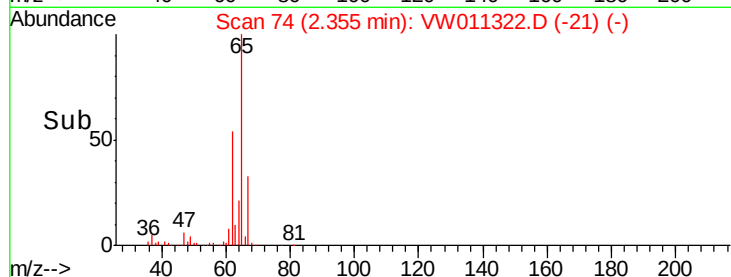
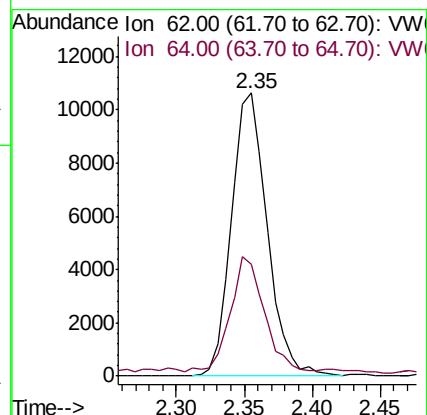
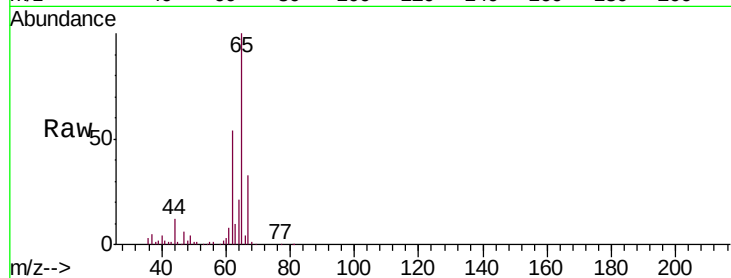
A52F8

Tgt Ion: 62 Resp: 19413

Ion Ratio Lower Upper

62 100

64 39.6 23.9 44.3



#12

1,1-Dichloroethene

Concen: 10.198 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011322.D

Acq: 17 Jul 2019 22:45

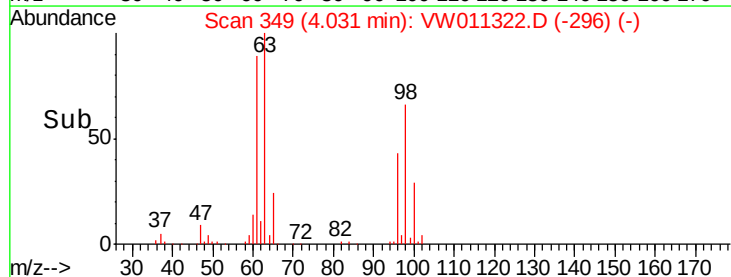
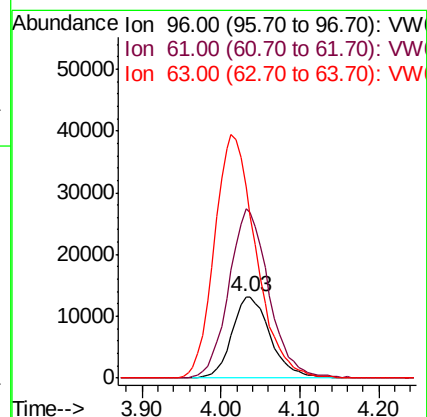
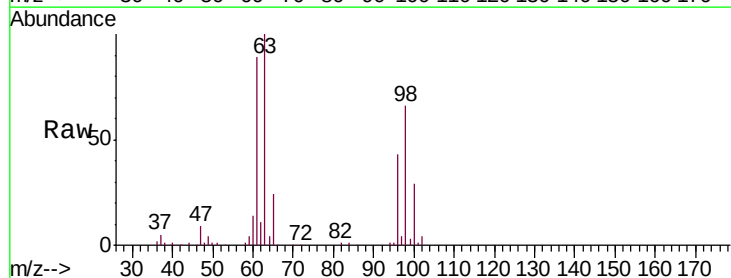
Tgt Ion: 96 Resp: 44682

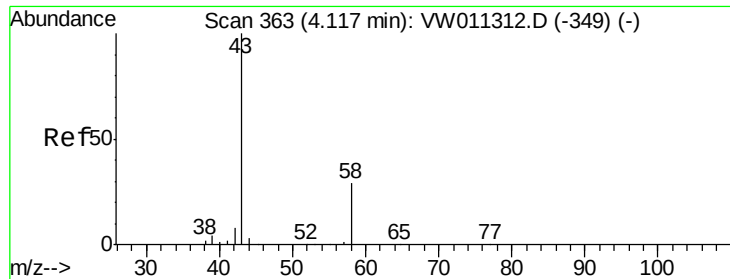
Ion Ratio Lower Upper

96 100

61 207.7 142.2 264.0

63 234.6 138.9 257.9





#13

Acetone

Concen: 15.437 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011322.D

Acq: 17 Jul 2019 22:45

Instrument :

MSVOA_W

ClientSampleId :

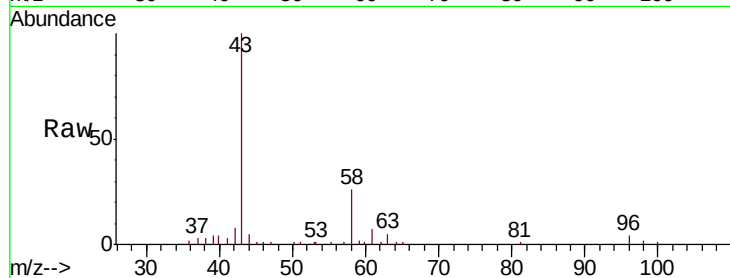
A52F8

Tgt Ion: 43 Resp: 30236

Ion Ratio Lower Upper

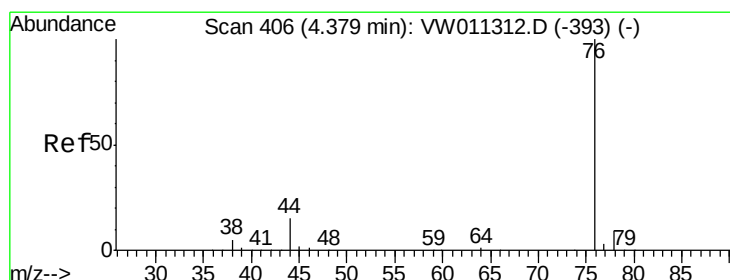
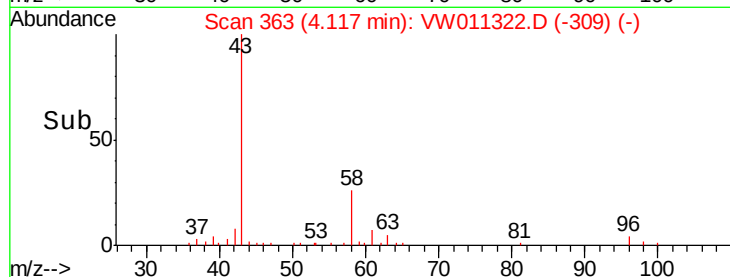
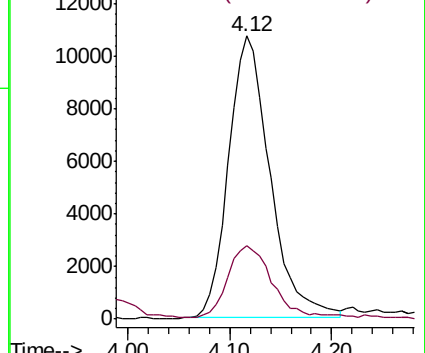
43 100

58 26.4 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 8.987 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011322.D

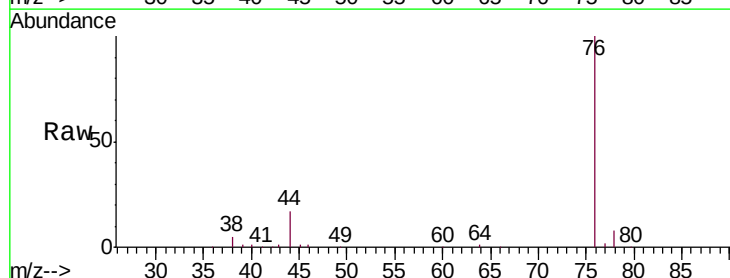
Acq: 17 Jul 2019 22:45

Tgt Ion: 76 Resp: 112627

Ion Ratio Lower Upper

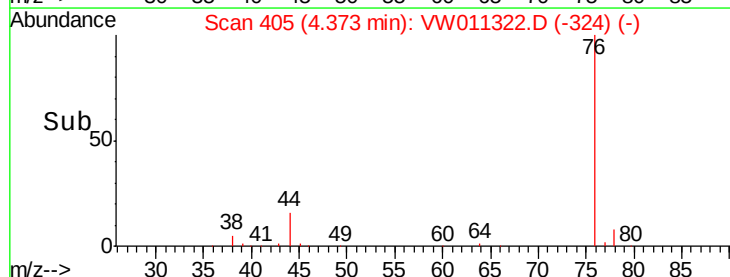
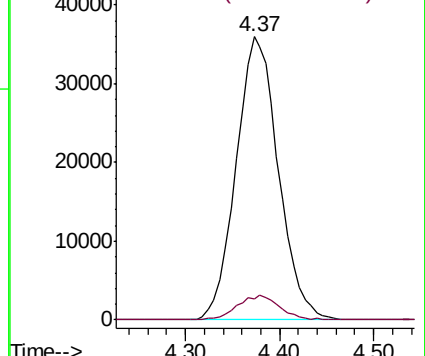
76 100

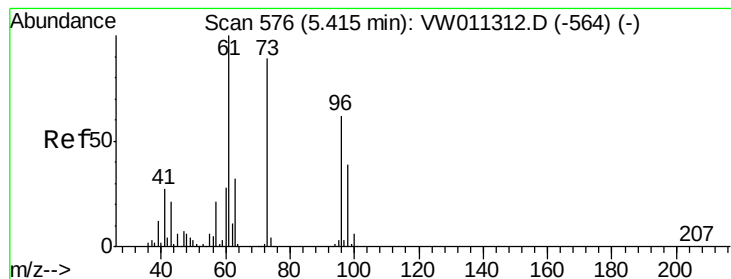
78 7.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#18

trans-1,2-Dichloroethene

Concen: 2.108 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011322.D

Acq: 17 Jul 2019 22:45

Instrument :

MSVOA_W

ClientSampled :

A52F8

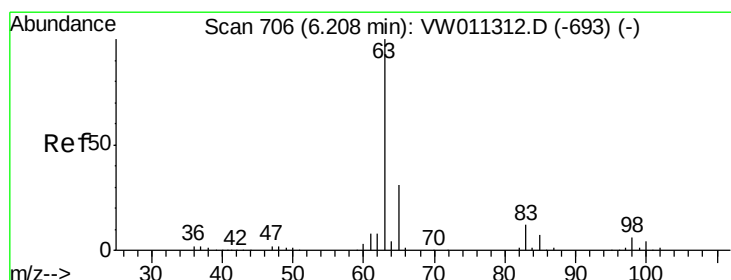
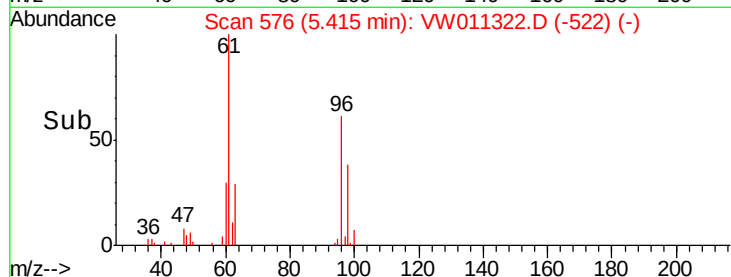
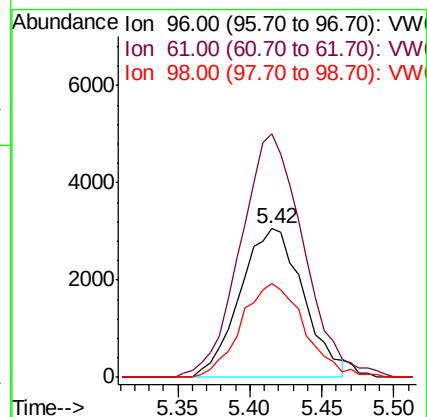
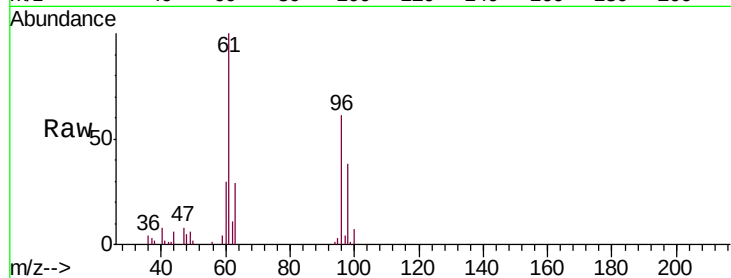
Tgt Ion: 96 Resp: 9333

Ion Ratio Lower Upper

96 100

61 163.7 113.7 211.1

98 63.0 43.3 80.3



#19

1,1-Dichloroethane

Concen: 0.885 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011322.D

Acq: 17 Jul 2019 22:45

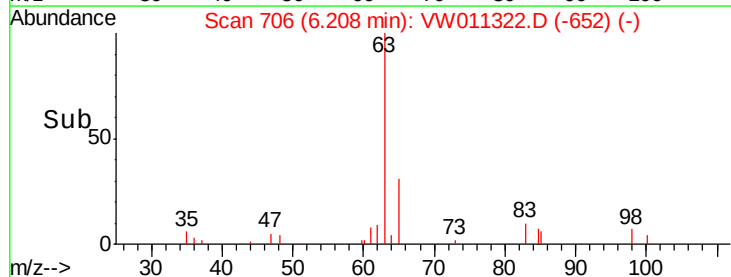
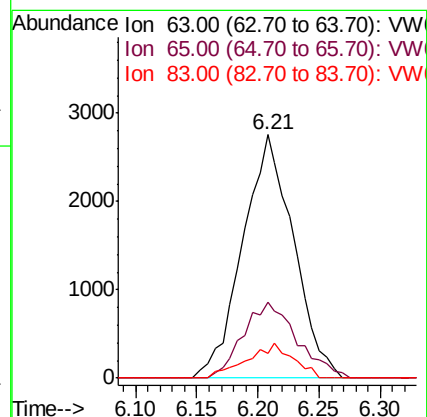
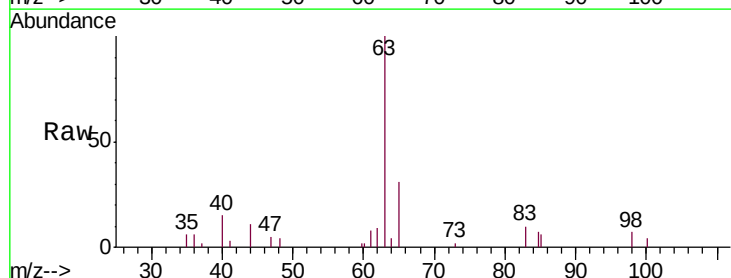
Tgt Ion: 63 Resp: 7954

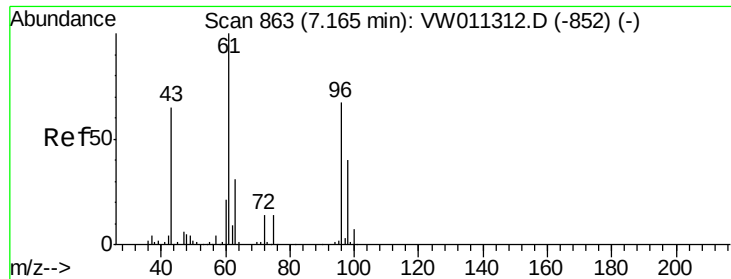
Ion Ratio Lower Upper

63 100

65 31.2 22.1 41.1

83 10.0 9.0 16.6



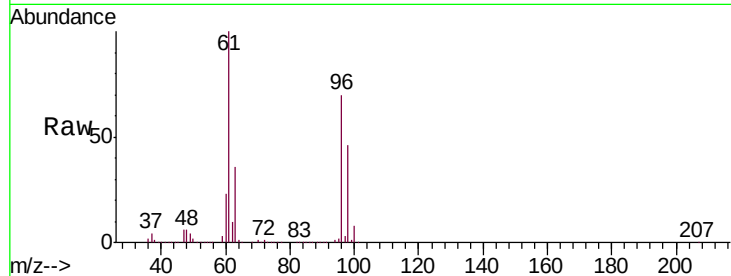


#22

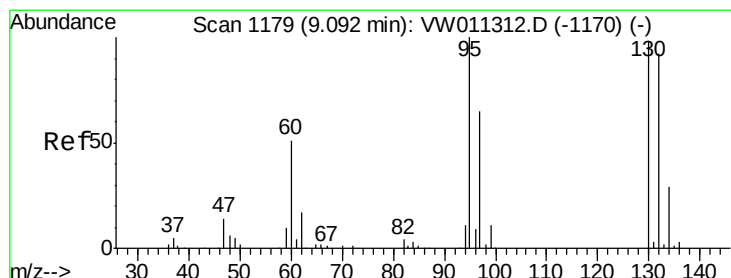
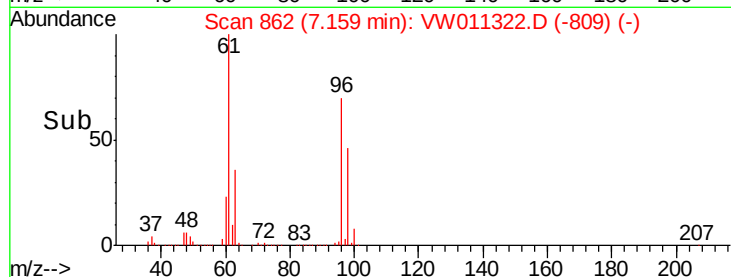
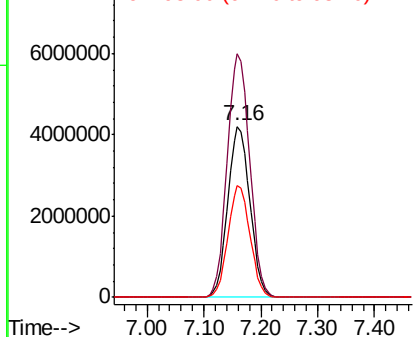
cis-1,2-Dichloroethene
Concen: 2371.118 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011322.D
Acq: 17 Jul 2019 22:45

Instrument :
MSVOA_W
ClientSampleId :
A52F8

Tgt Ion: 96 Resp:11363111
Ion Ratio Lower Upper
96 100
61 142.6 103.2 191.6
98 65.7 44.8 83.2



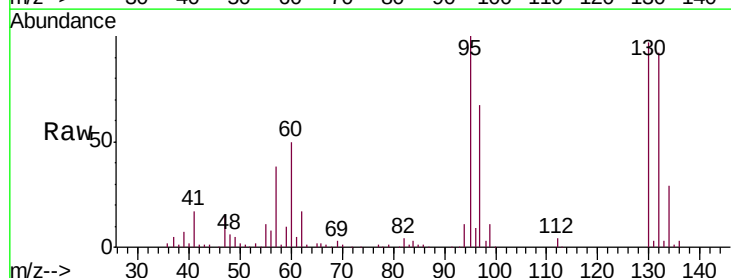
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



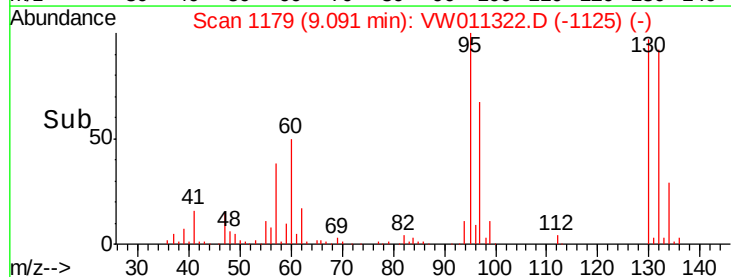
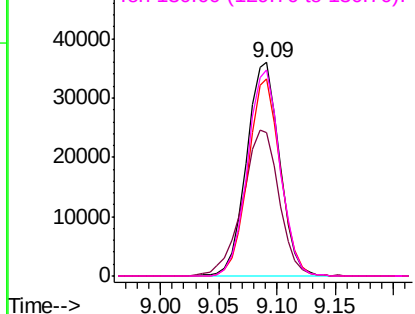
#35

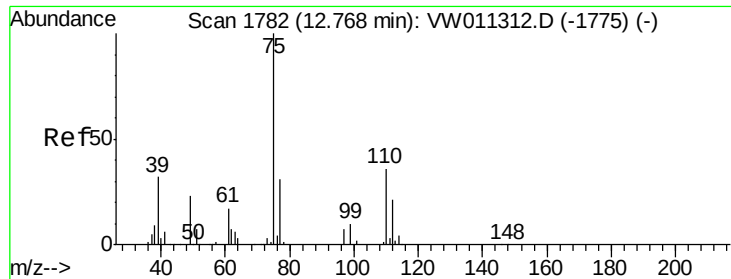
Trichloroethene
Concen: 14.728 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011322.D
Acq: 17 Jul 2019 22:45

Tgt Ion: 95 Resp: 71404
Ion Ratio Lower Upper
95 100
97 75.5 45.4 84.2
132 90.3 65.0 120.8
130 94.7 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





#59

1,2,3-Trichloropropane

Concen: 5.167 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW011322.D

Acq: 17 Jul 2019 22:45

Instrument :

MSVOA_W

ClientSampleId :

A52F8

Tgt Ion: 75 Resp: 19244

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.0

