

Data File : VW011324.D
Acq On : 17 Jul 2019 23:39
Operator : SY/VA
Sample : K3863-05
Misc : 2.94G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G1

Quant Time: Jul 18 06:41:57 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	232595	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	182923	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	59587	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	52804	14.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.48%
7) Chloroethane-d5	2.89	69	44908	18.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.08%
10) 1,1-Dichloroethene-d2	4.01	63	100842	13.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.64%
20) 2-Butanone-d5	7.07	46	107564	76.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.76%#
24) Chloroform-d	7.65	84	142743	22.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.56%
26) 1,2-Dichloroethane-d4	8.31	65	97763	24.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.60%
29) Benzene-d6	8.27	84	270924	24.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.16%
33) 1,2-Dichloropropane-d6	9.27	67	99856	27.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.84%
37) Toluene-d8	10.32	98	210920	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.00%
38) trans-1,3-Dichloropropene-	10.57	79	35689	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.48%
39) 2-Hexanone-d5	10.92	63	70068	83.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	166.52%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97343	32.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	128.28%#
61) 1,2-Dichlorobenzene-d4	13.85	152	50781	22.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.80%

Target Compounds

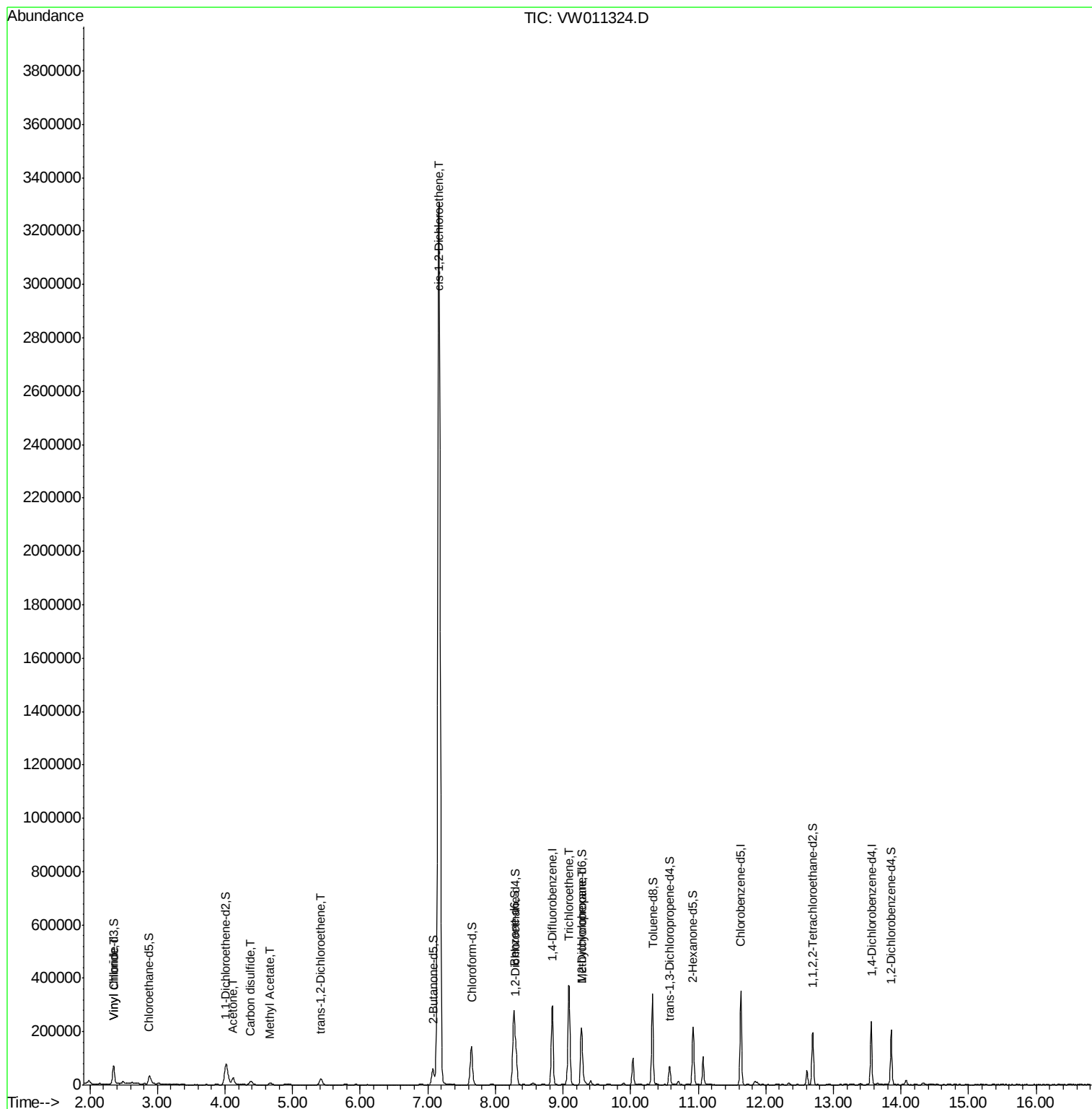
					Qvalue
5) Vinyl chloride	2.35	62	31328	7.728 ug/L	93
13) Acetone	4.12	43	45593	33.364 ug/L	99
14) Carbon disulfide	4.38	76	26522	3.033 ug/L	99
15) Methyl Acetate	4.66	43	5539	2.491 ug/L #	39
18) trans-1,2-Dichloroethene	5.42	96	13283	4.300 ug/L	91
22) cis-1,2-Dichloroethene	7.17	96	1873611	560.390 ug/L	99
35) Trichloroethene	9.09	95	125201	43.397 ug/L	99
36) Methylcyclohexane	9.27	83	22045	4.246 ug/L #	13

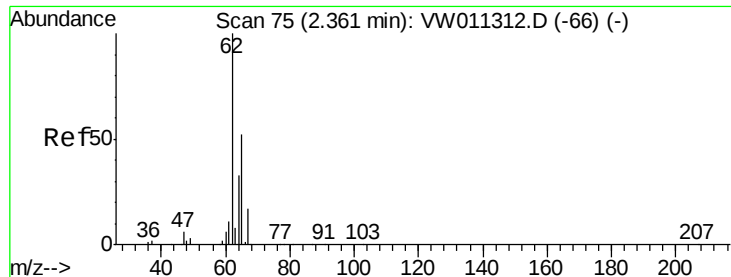
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.728 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011324.D

Acq: 17 Jul 2019 23:39

Instrument :

MSVOA_W

ClientSampled :

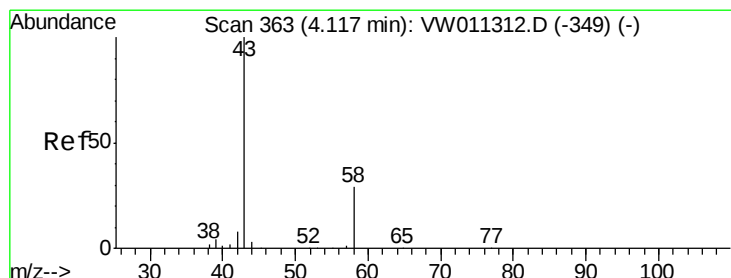
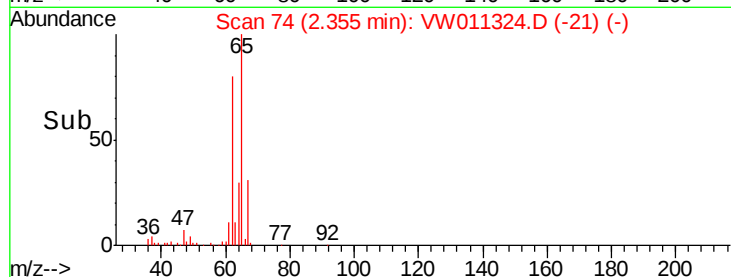
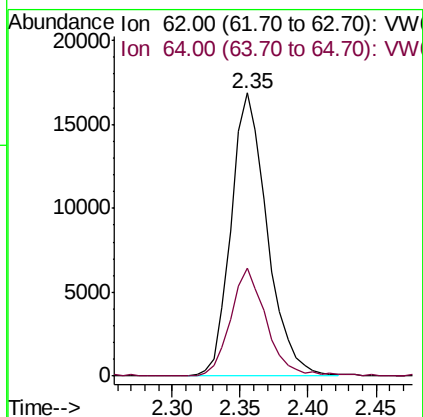
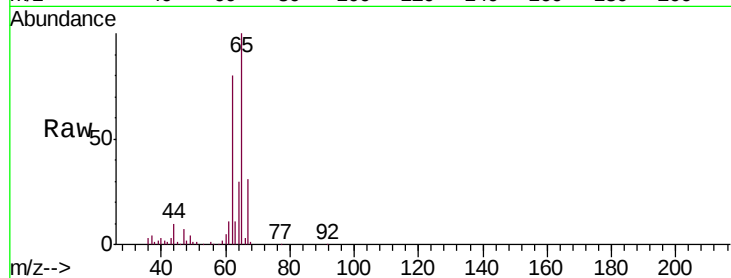
A52G1

Tgt Ion: 62 Resp: 31328

Ion Ratio Lower Upper

62 100

64 38.1 23.9 44.3



#13

Acetone

Concen: 33.364 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011324.D

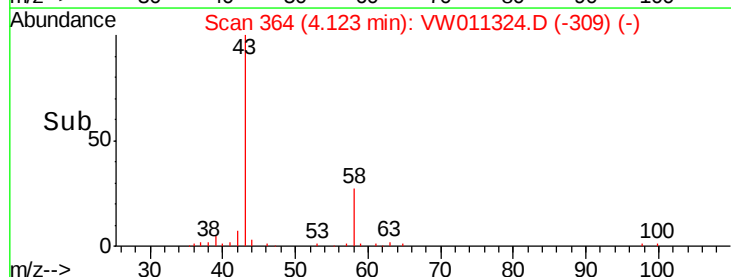
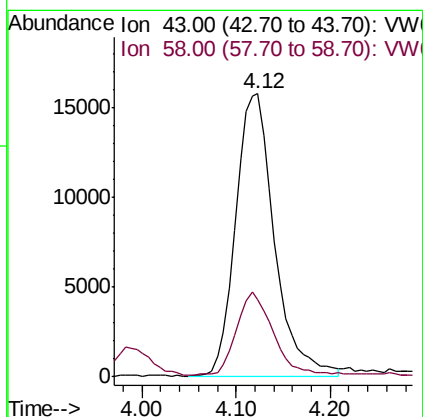
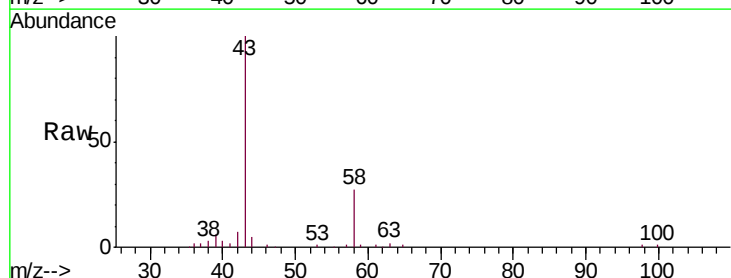
Acq: 17 Jul 2019 23:39

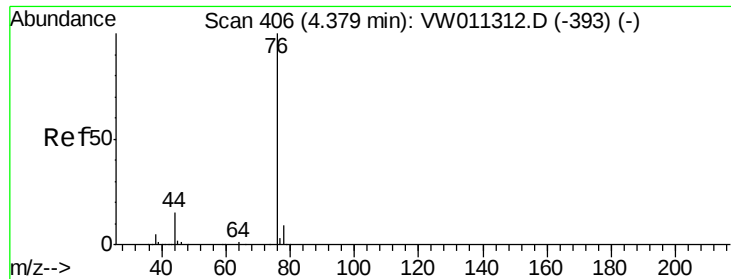
Tgt Ion: 43 Resp: 45593

Ion Ratio Lower Upper

43 100

58 27.1 0.0 55.0





#14

Carbon disulfide

Concen: 3.033 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011324.D

Acq: 17 Jul 2019 23:39

Instrument :

MSVOA_W

ClientSampleId :

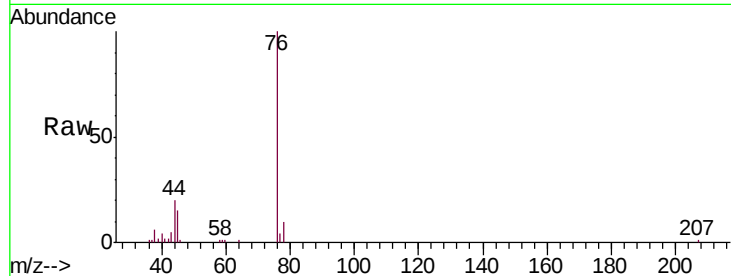
A52G1

Tgt Ion: 76 Resp: 26522

Ion Ratio Lower Upper

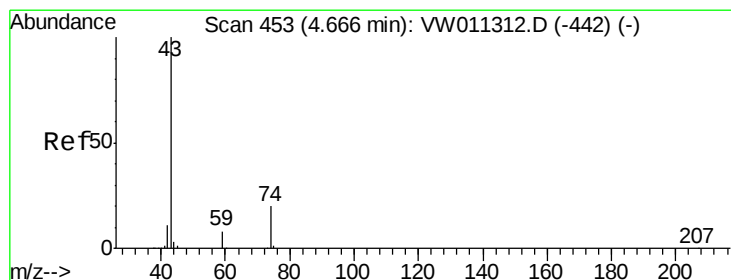
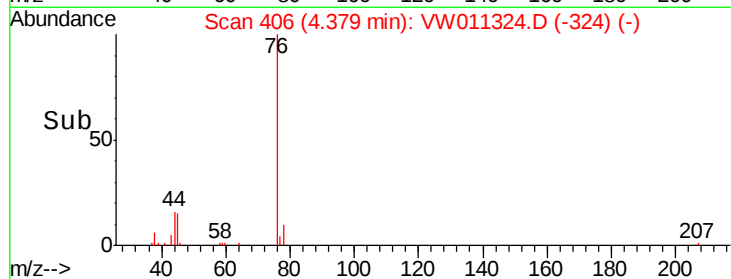
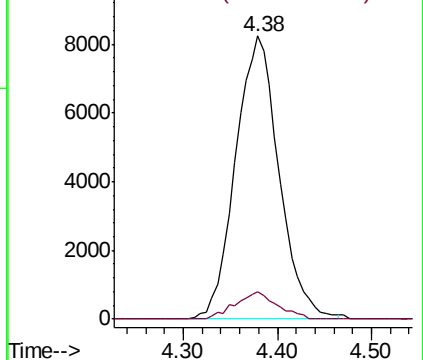
76 100

78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#15

Methyl Acetate

Concen: 2.491 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011324.D

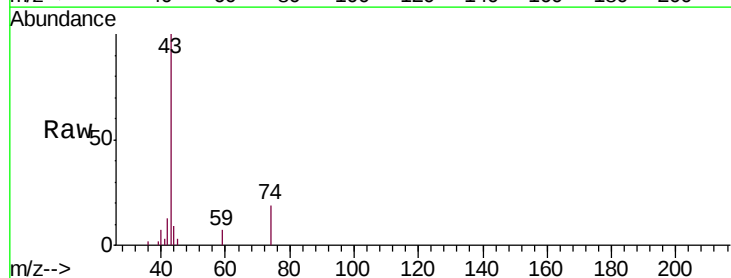
Acq: 17 Jul 2019 23:39

Tgt Ion: 43 Resp: 5539

Ion Ratio Lower Upper

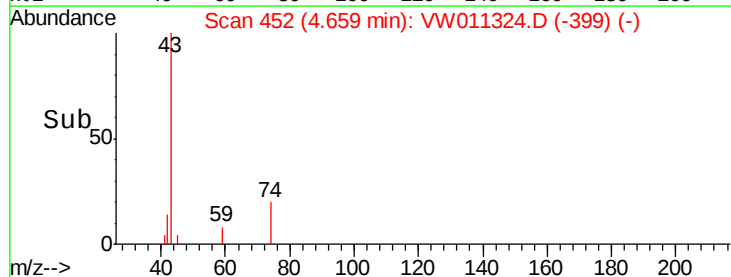
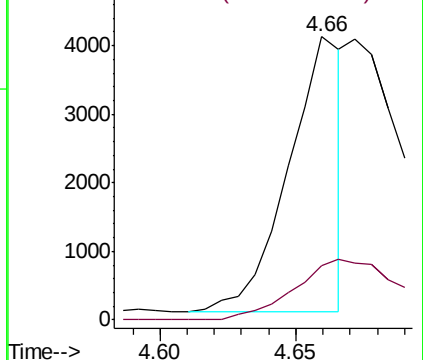
43 100

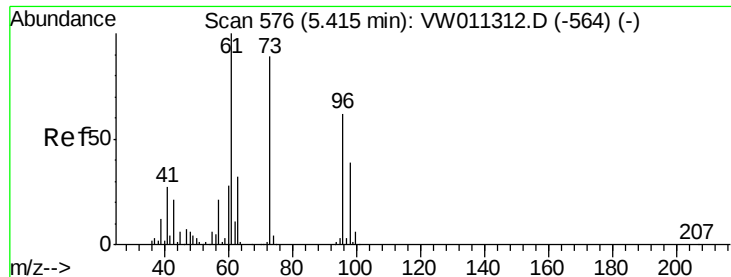
74 46.5 15.1 22.7#



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: 4.300 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011324.D

Acq: 17 Jul 2019 23:39

Instrument :

MSVOA_W

ClientSampleId :

A52G1

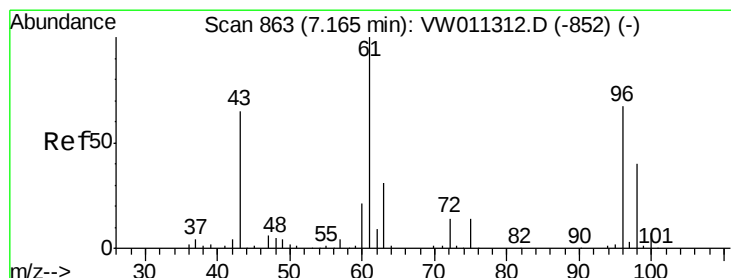
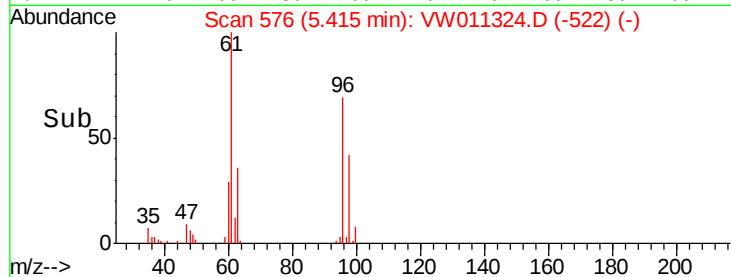
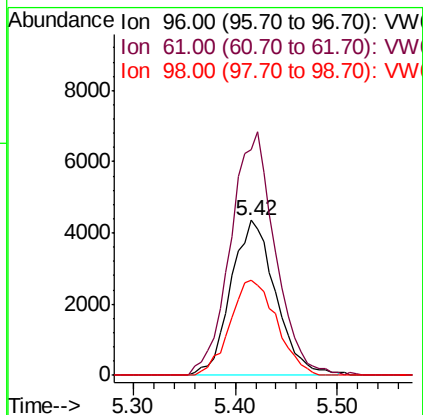
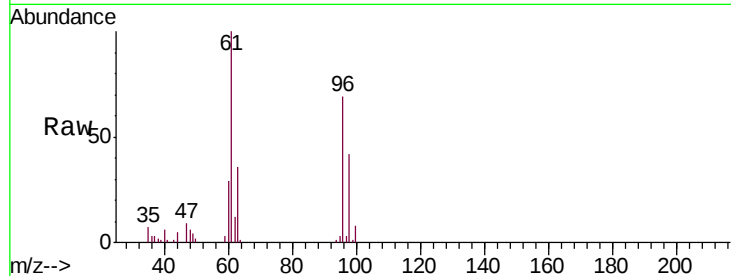
Tgt Ion: 96 Resp: 13283

Ion Ratio Lower Upper

96 100

61 145.7 113.7 211.1

98 61.3 43.3 80.3



#22

cis-1,2-Dichloroethene

Concen: 560.390 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011324.D

Acq: 17 Jul 2019 23:39

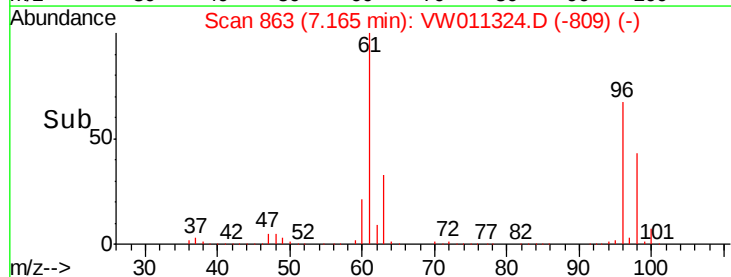
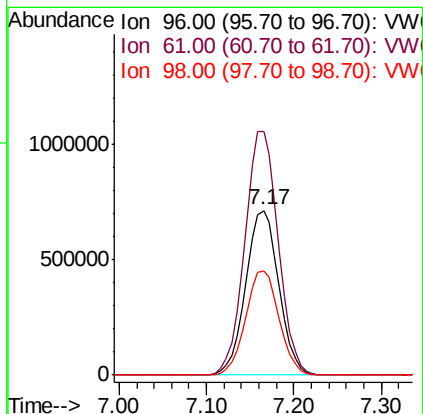
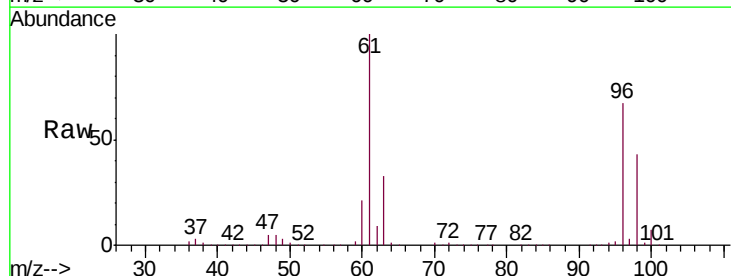
Tgt Ion: 96 Resp: 1873611

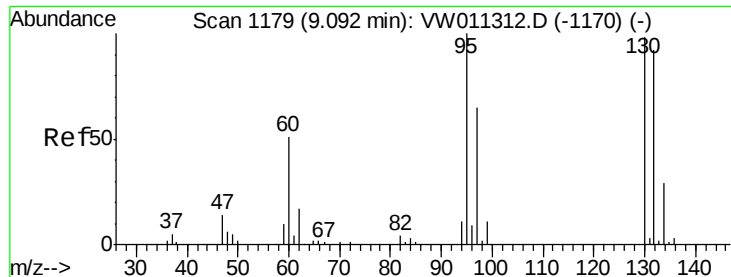
Ion Ratio Lower Upper

96 100

61 148.2 103.2 191.6

98 63.7 44.8 83.2

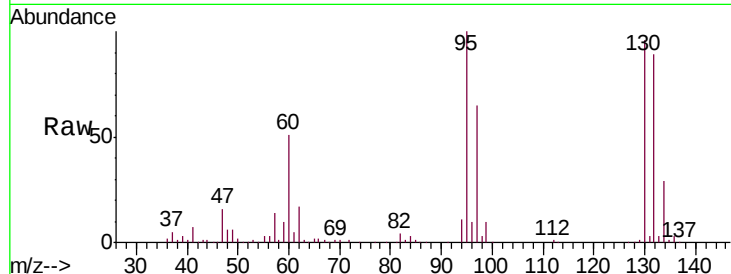




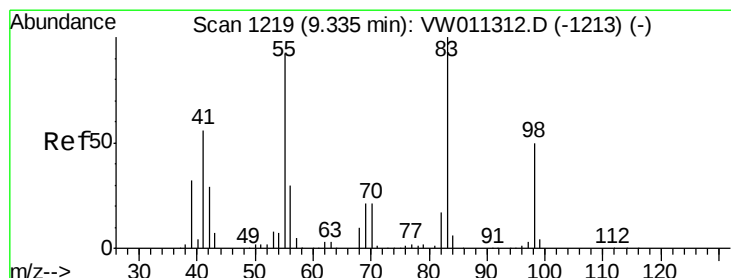
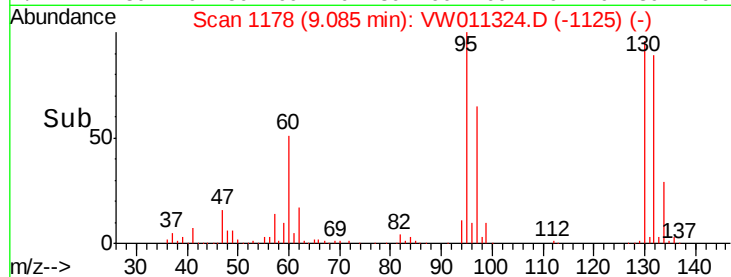
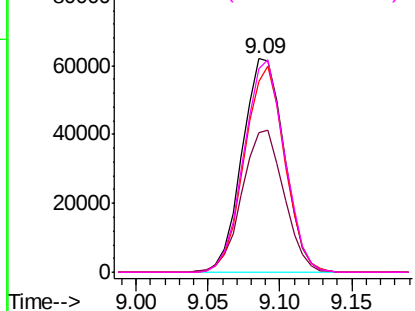
#35
 Trichloroethene
 Concen: 43.397 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011324.D
 Acq: 17 Jul 2019 23:39

Instrument :
 MSVOA_W
 ClientSampled :
 A52G1

Tgt Ion:	95	Resp:	125201
Ion	Ratio	Lower	Upper
95	100		
97	66.8	45.4	84.2
132	92.2	65.0	120.8
130	96.2	67.8	126.0

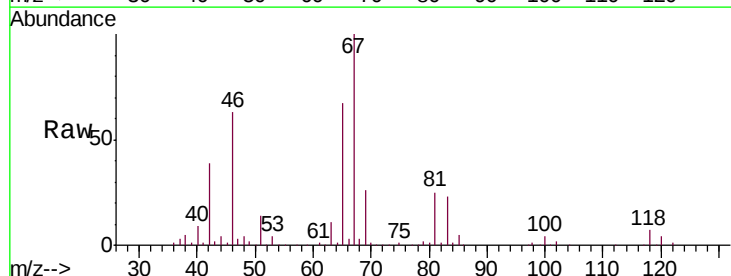


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 4.246 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.06 min
 Lab File: VW011324.D
 Acq: 17 Jul 2019 23:39

Tgt Ion:	83	Resp:	22045
Ion	Ratio	Lower	Upper
83	100		
55	0.0	72.2	108.4#
98	1.0	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

