

Data File : VW006369.D
Acq On : 25 Oct 2018 17:58
Operator : SY/AP
Sample : J5657-17MS
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A40F1MS

Quant Time: Oct 26 04:10:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 26 04:05:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	386559	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	361211	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	192228	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78882	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.36%
7) Chloroethane-d5	2.90	69	81986	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
10) 1,1-Dichloroethene-d2	4.02	63	177612	21.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.88%
20) 2-Butanone-d5	7.09	46	61833	42.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.58%
24) Chloroform-d	7.65	84	201305	24.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	8.31	65	117630	25.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.56%
29) Benzene-d6	8.27	84	392500	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	9.28	67	117647	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.08%
37) Toluene-d8	10.33	98	384808	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
38) trans-1,3-Dichloropropene-	10.58	79	49136	20.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.72%
39) 2-Hexanone-d5	10.93	63	52986	44.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117109	24.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	167813	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

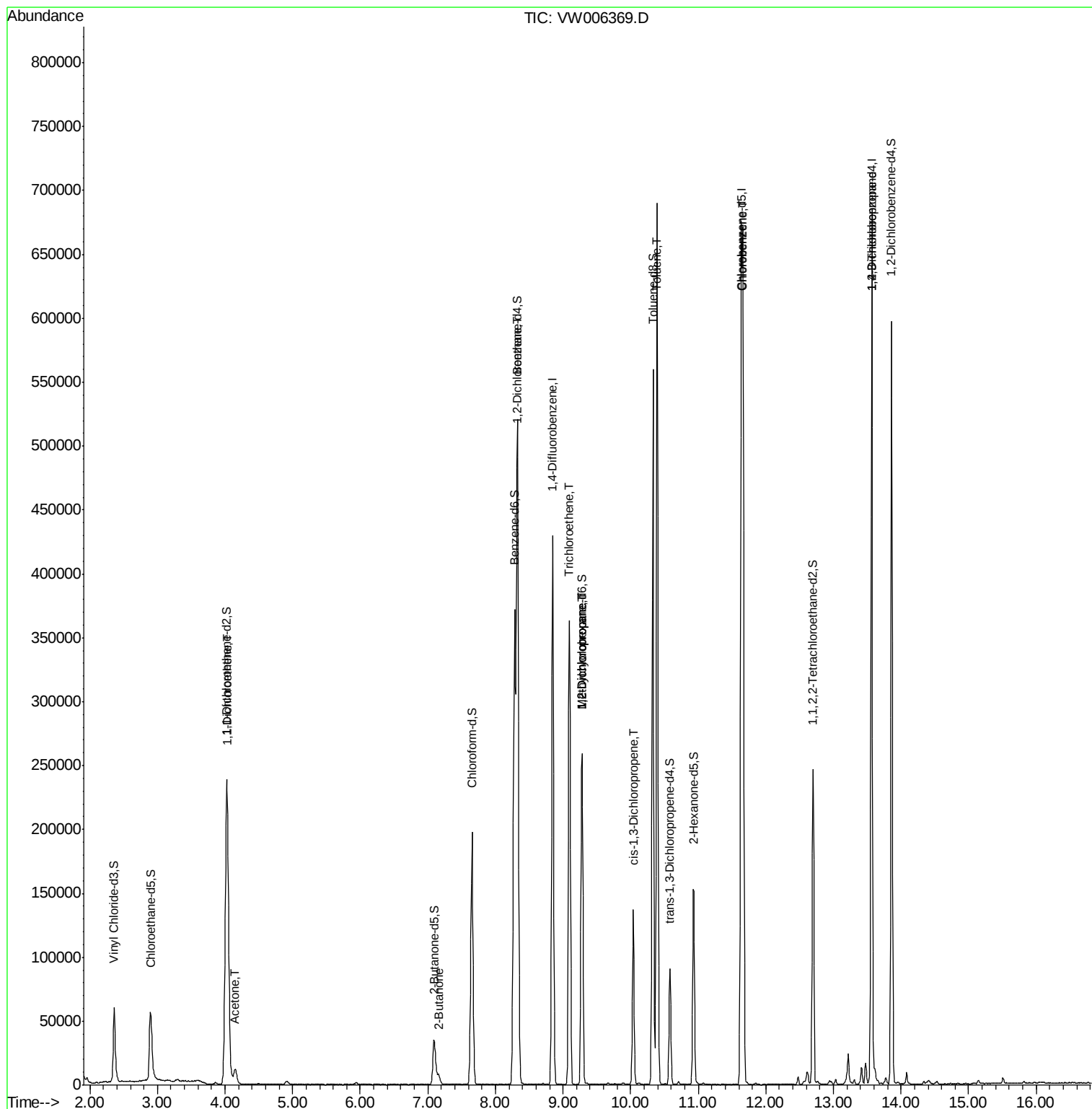
						Qvalue
12) 1,1-Dichloroethene	4.04	96	103546	23.331	ug/L #	82
13) Acetone	4.15	43	21268	14.569	ug/L	75
21) 2-Butanone	7.17	43	982	0.506	ug/L #	47
34) Benzene	8.33	78	449205	24.225	ug/L	100
35) Trichloroethene	9.09	95	125234	24.004	ug/L	99
36) Methylcyclohexane	9.28	83	30075	3.146	ug/L #	21
40) 1,2-Dichloropropane	9.28	63	13846	3.010	ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	3460	0.461	ug/L #	80
44) Toluene	10.39	91	515223	24.746	ug/L	99
52) Chlorobenzene	11.66	112	347833	24.686	ug/L	98
59) 1,2,3-Trichloropropane	13.56	75	19817	5.336	ug/L	90

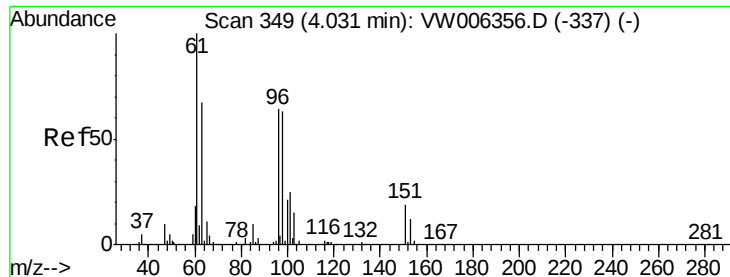
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW006369.D
Acq On : 25 Oct 2018 17:58
Operator : SY/AP
Sample : J5657-17MS
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A40F1MS

Quant Time: Oct 26 04:10:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 26 04:05:39 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 23.331 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

A40F1MS

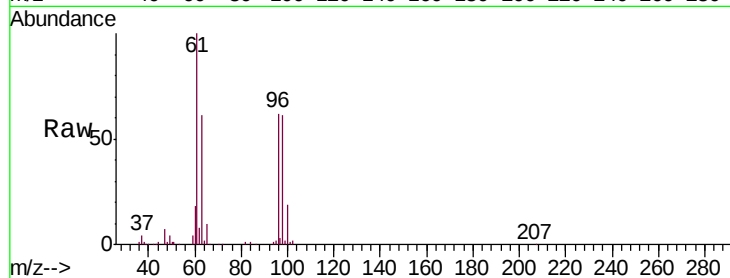
Tgt Ion: 96 Resp: 103546

Ion Ratio Lower Upper

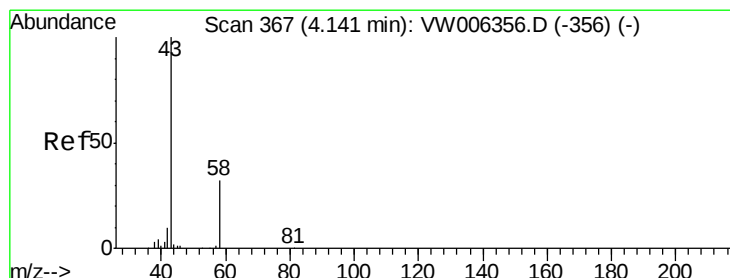
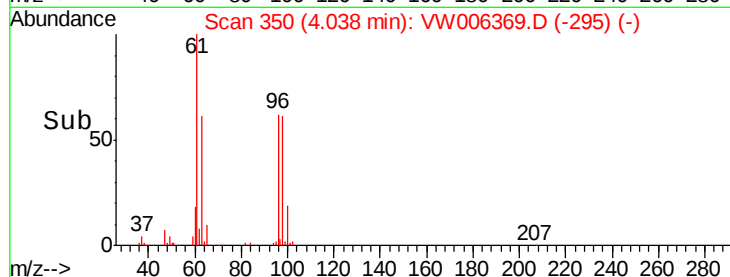
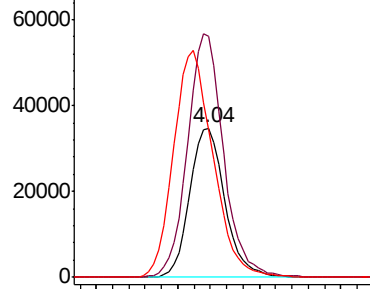
96 100

61 161.4 112.3 208.7

63 99.1 102.6 190.6#



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 14.569 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006369.D

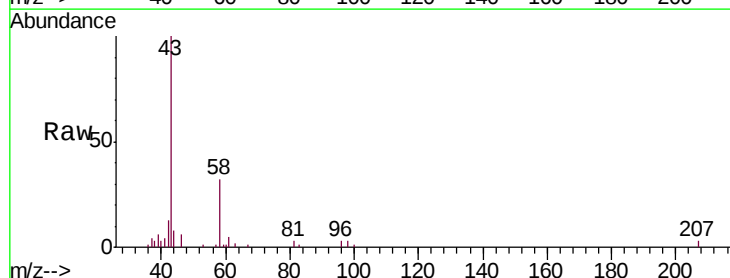
Acq: 25 Oct 2018 17:58

Tgt Ion: 43 Resp: 21268

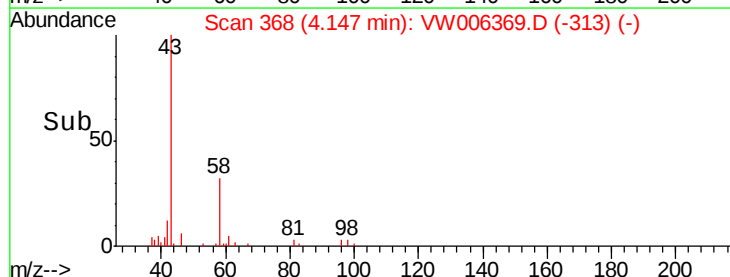
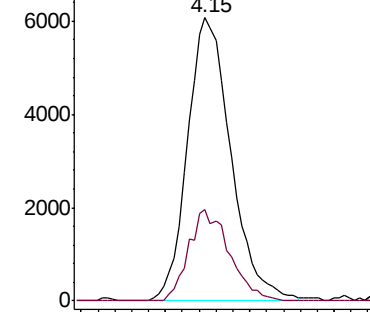
Ion Ratio Lower Upper

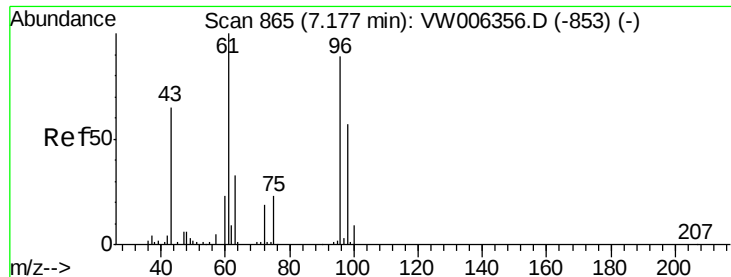
43 100

58 16.8 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#21

2-Butanone

Concen: 0.506 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

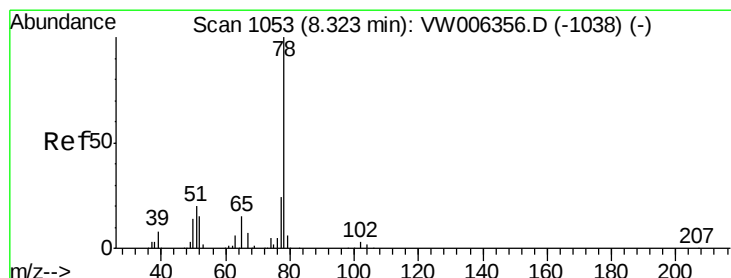
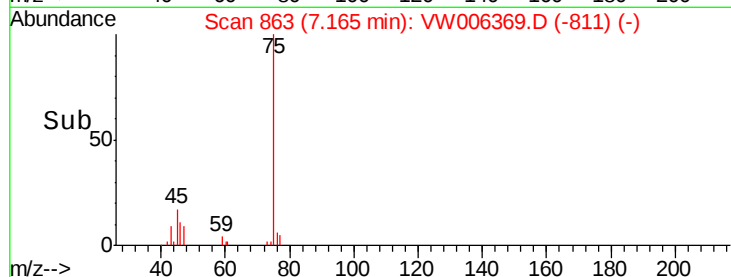
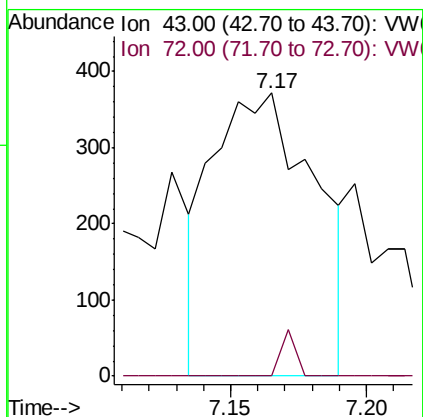
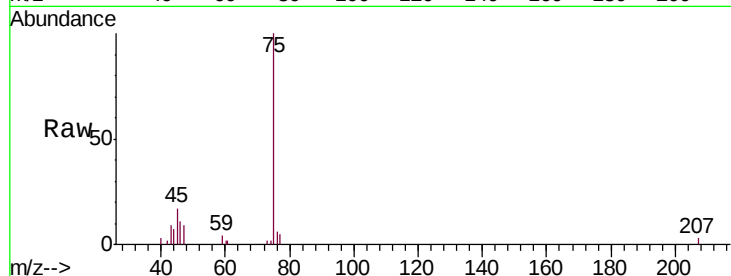
A40F1MS

Tgt Ion: 43 Resp: 982

Ion Ratio Lower Upper

43 100

72 0.0 13.8 41.4#



#34

Benzene

Concen: 24.225 ug/L

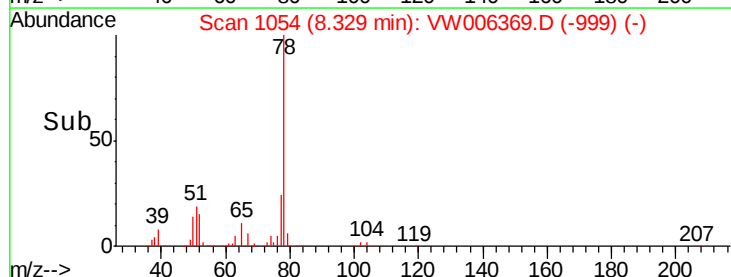
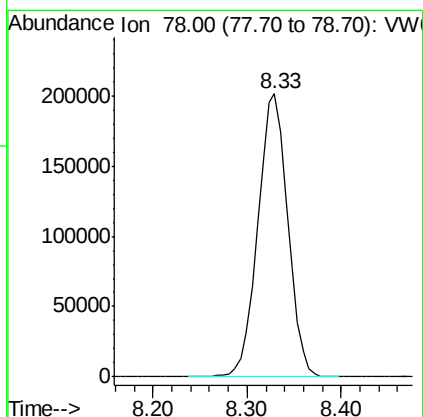
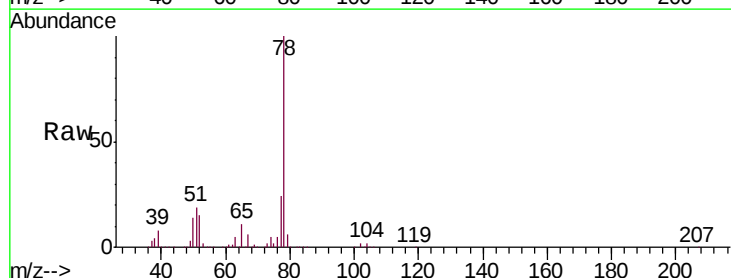
RT: 8.33 min Scan# 1054

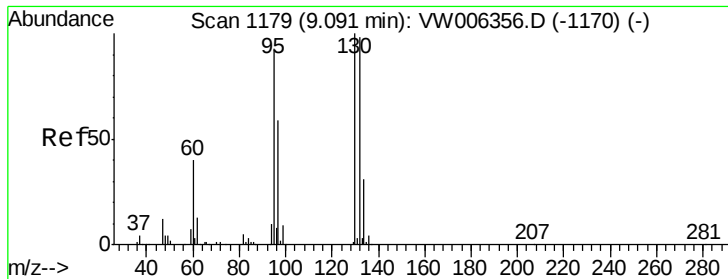
Delta R.T. 0.01 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Tgt Ion: 78 Resp: 449205





#35

Trichloroethene

Concen: 24.004 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

A40F1MS

Tgt Ion: 95 Resp: 125234

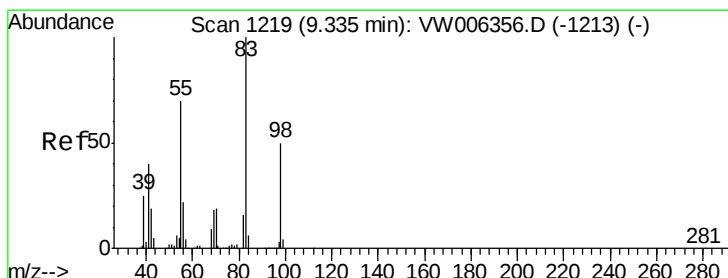
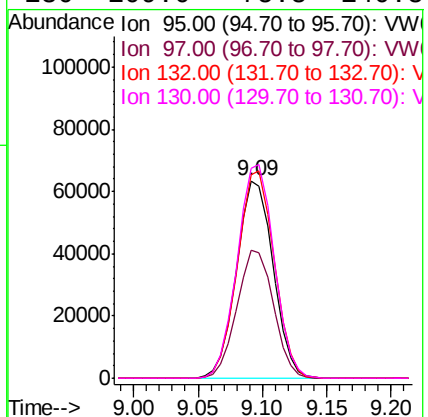
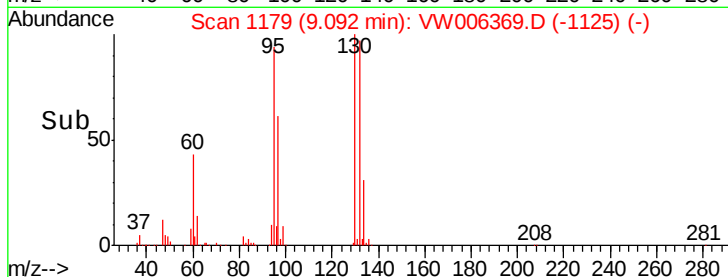
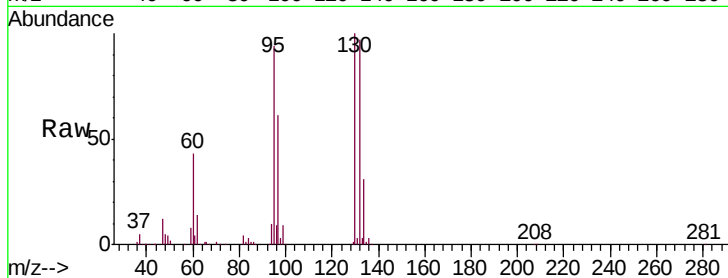
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.0

132 104.9 72.9 135.3

130 109.0 75.8 140.8



#36

Methylcyclohexane

Concen: 3.146 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

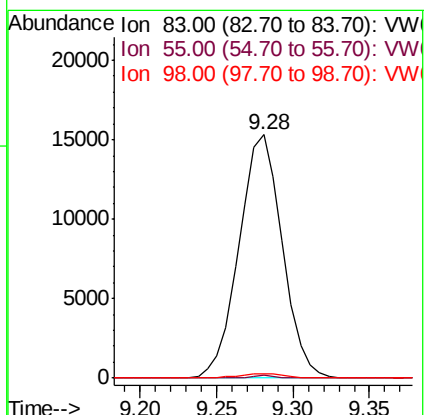
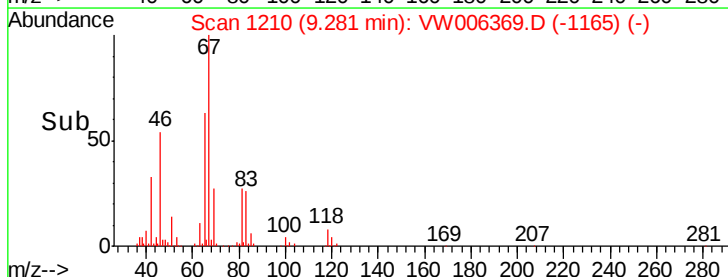
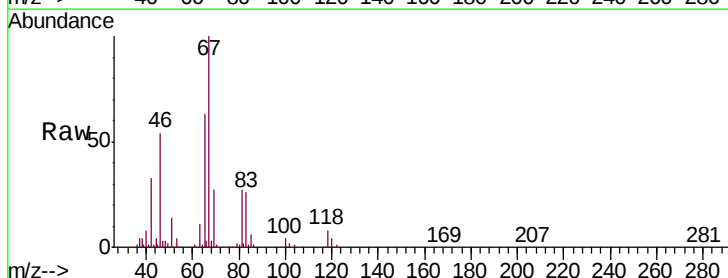
Tgt Ion: 83 Resp: 30075

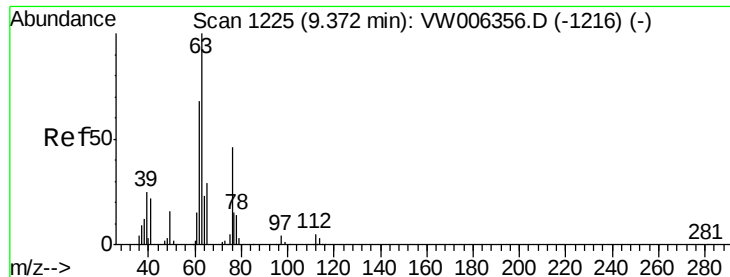
Ion Ratio Lower Upper

83 100

55 0.5 57.1 85.7#

98 1.9 38.9 58.3#





#40

1,2-Dichloropropane

Concen: 3.010 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

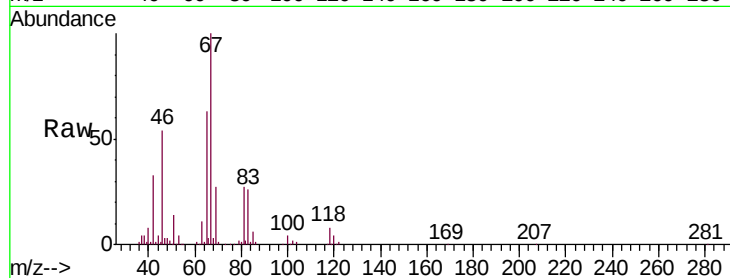
A40F1MS

Tgt Ion: 63 Resp: 13846

Ion Ratio Lower Upper

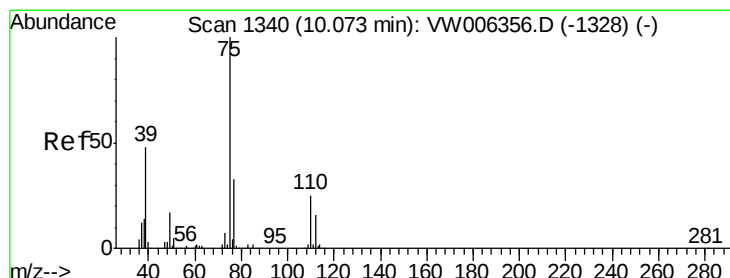
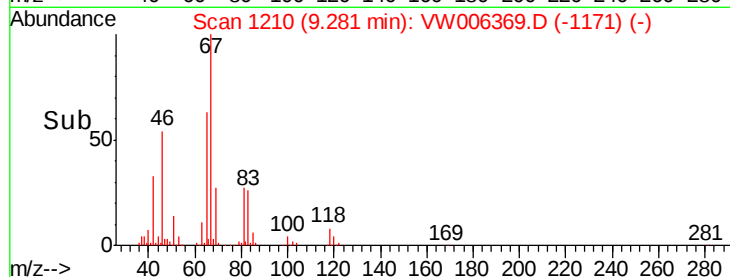
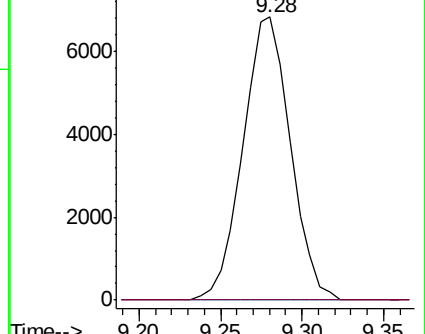
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.461 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW006369.D

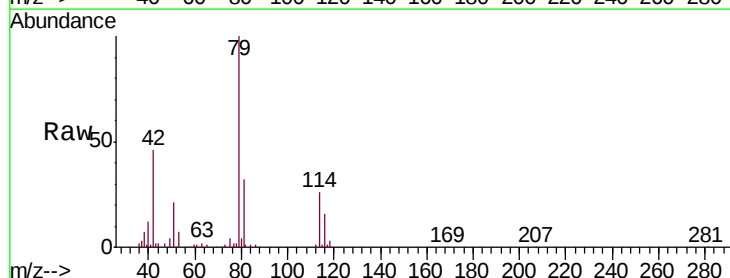
Acq: 25 Oct 2018 17:58

Tgt Ion: 75 Resp: 3460

Ion Ratio Lower Upper

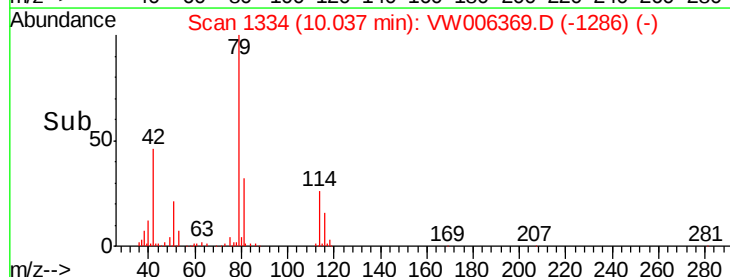
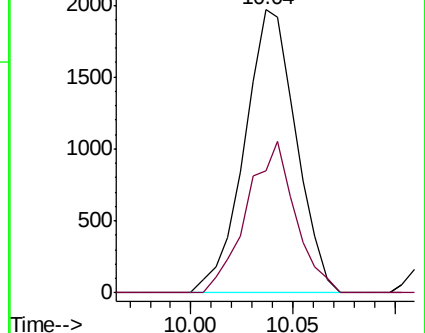
75 100

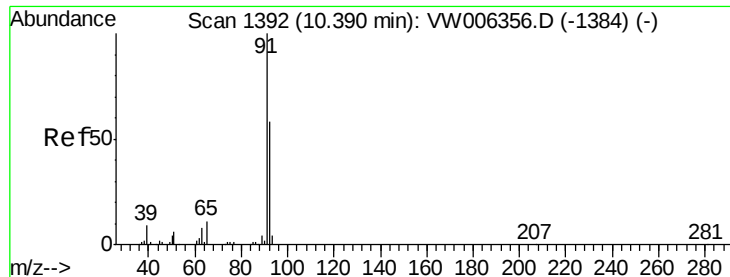
77 43.3 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 24.746 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

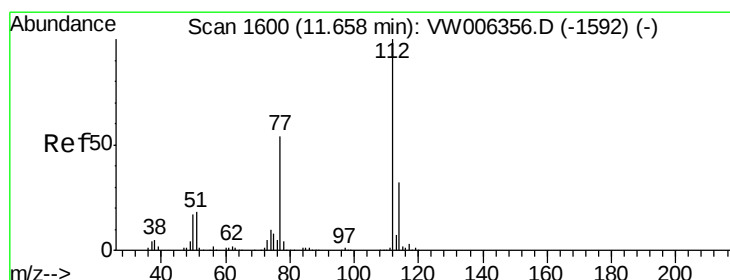
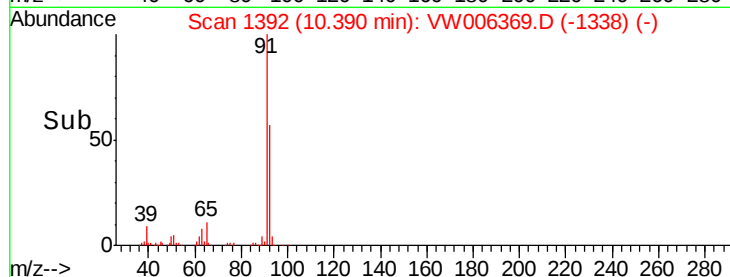
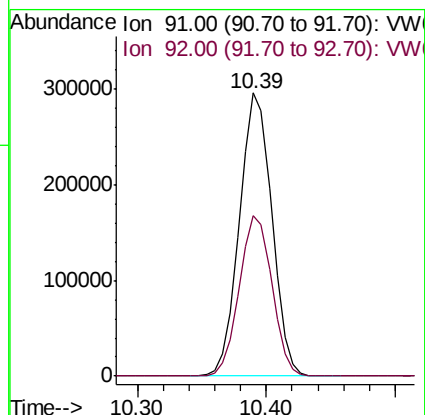
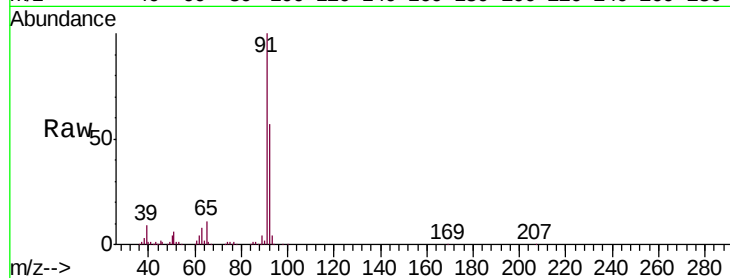
A40F1MS

Tgt Ion: 91 Resp: 515223

Ion Ratio Lower Upper

91 100

92 56.9 40.4 75.0



#52

Chlorobenzene

Concen: 24.686 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

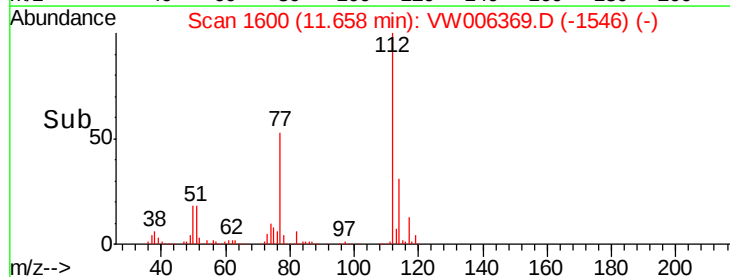
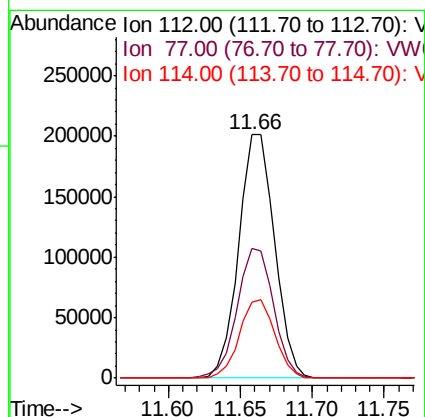
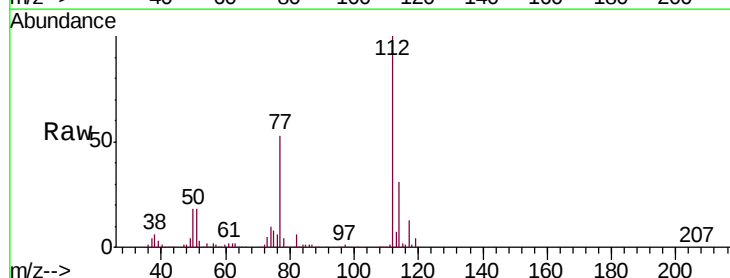
Tgt Ion: 112 Resp: 347833

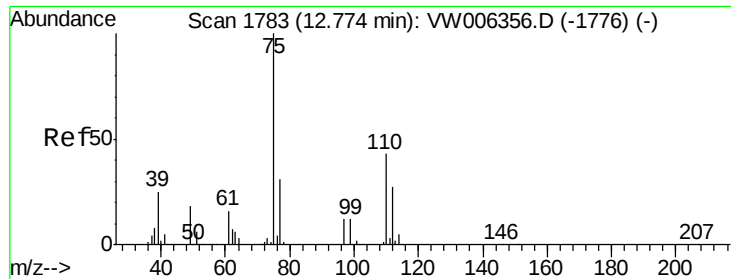
Ion Ratio Lower Upper

112 100

77 53.2 44.2 66.2

114 31.4 22.1 41.1





#59

1,2,3-Trichloropropane

Concen: 5.336 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW006369.D

Acq: 25 Oct 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

A40F1MS

Tgt Ion: 75 Resp: 19817

Ion Ratio Lower Upper

75 100

77 38.0 25.9 38.9

