

Data File : VW011383.D
Acq On : 19 Jul 2019 17:36
Operator : SY/VA
Sample : K3863-15
Misc : 5.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F5

Quant Time: Jul 20 00:51:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 20 00:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	304337	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	247183	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	89831	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	52559	11.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.24%
7) Chloroethane-d5	2.89	69	60016	18.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.64%
10) 1,1-Dichloroethene-d2	4.01	63	118880	12.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.32%
20) 2-Butanone-d5	7.07	46	99784	54.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.02%
24) Chloroform-d	7.65	84	181137	21.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.84%
26) 1,2-Dichloroethane-d4	8.31	65	117948	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.84%
29) Benzene-d6	8.27	84	346021	22.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.88%
33) 1,2-Dichloropropane-d6	9.27	67	126071	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.72%
37) Toluene-d8	10.32	98	277918	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.92%
38) trans-1,3-Dichloropropene-	10.58	79	46906	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.00%
39) 2-Hexanone-d5	10.93	63	66304	58.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102290	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	72436	21.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.04%

Target Compounds

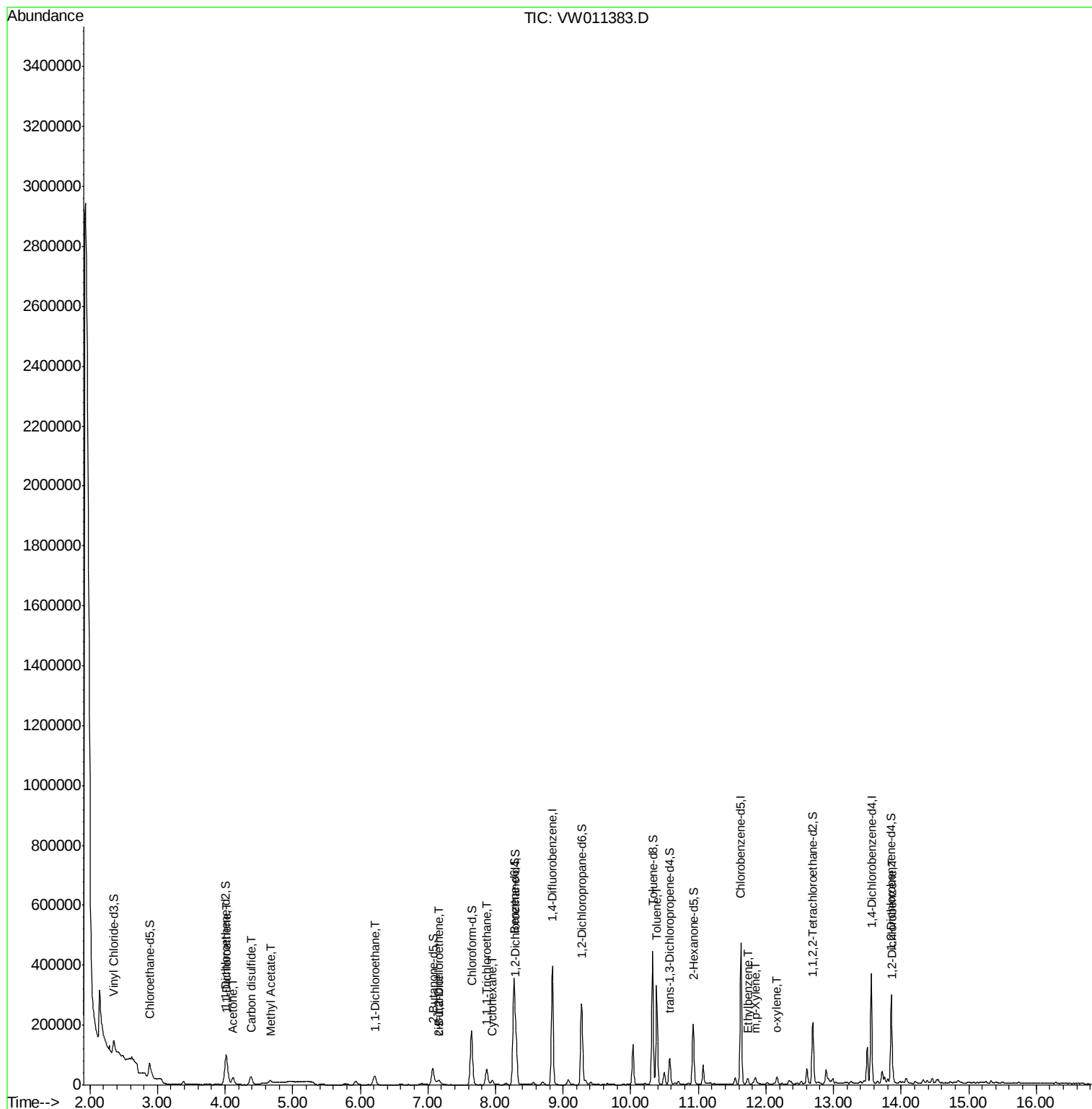
					Qvalue
12) 1,1-Dichloroethene	4.03	96	3569	0.892 ug/L	# 1
13) Acetone	4.12	43	39022	21.824 ug/L	96
14) Carbon disulfide	4.39	76	60601	5.297 ug/L	97
15) Methyl Acetate	4.67	43	16634	5.717 ug/L	97
19) 1,1-Dichloroethane	6.21	63	41905	5.108 ug/L	99
21) 2-Butanone	7.17	43	6610	2.864 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	5169	1.182 ug/L	87
30) Cyclohexane	7.96	56	7744	1.030 ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	40683	7.930 ug/L	98
44) Toluene	10.38	91	236403	14.784 ug/L	100
53) Ethylbenzene	11.73	91	12494	0.689 ug/L	92
54) m,p-Xylene	11.85	106	4201	0.638 ug/L	84
55) o-xylene	12.16	106	5808	0.927 ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	5661	1.100 ug/L	94

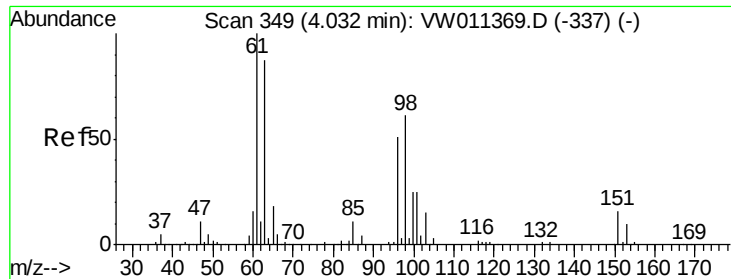
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.892 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampleId :

A52F5

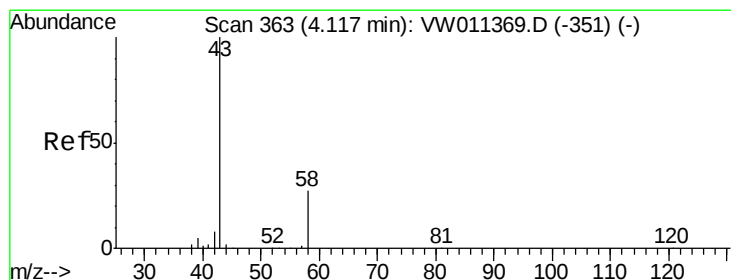
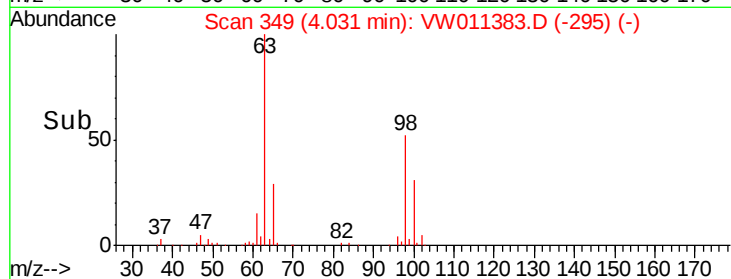
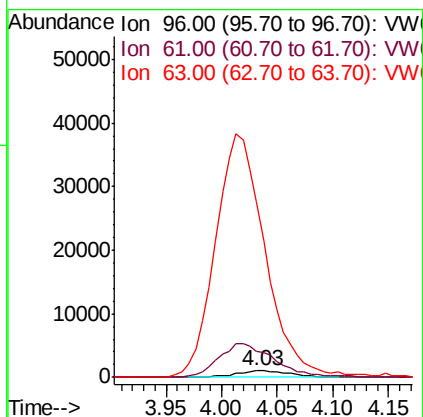
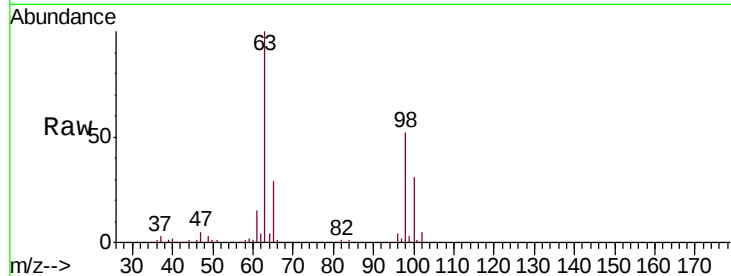
Tgt Ion: 96 Resp: 3569

Ion Ratio Lower Upper

96 100

61 405.3 142.2 264.0#

63 2781.0 138.9 257.9#



#13

Acetone

Concen: 21.824 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011383.D

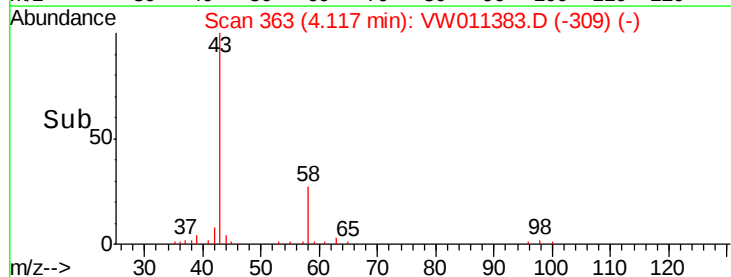
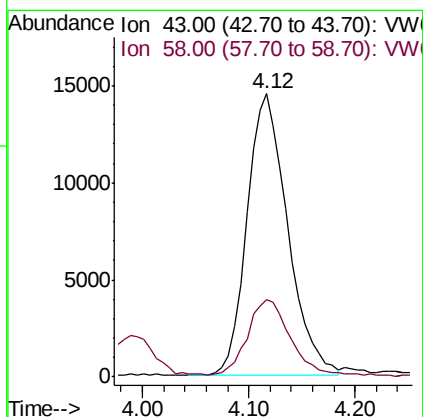
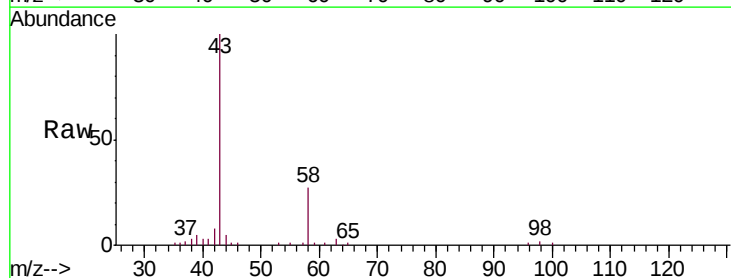
Acq: 19 Jul 2019 17:36

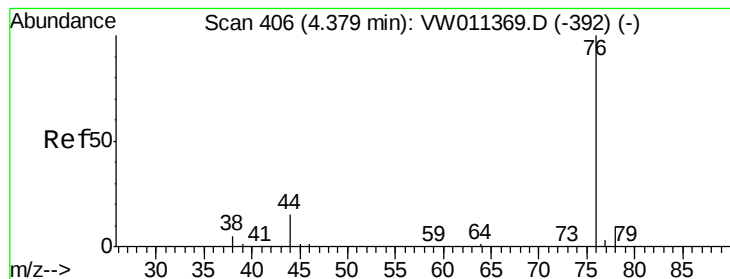
Tgt Ion: 43 Resp: 39022

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.0





#14

Carbon disulfide

Concen: 5.297 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampleId :

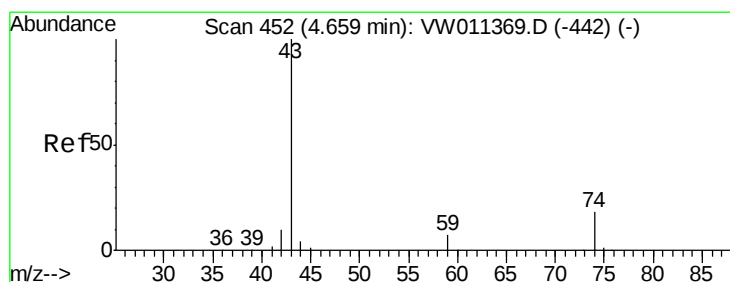
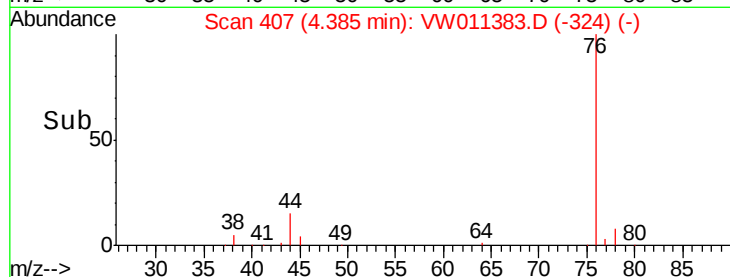
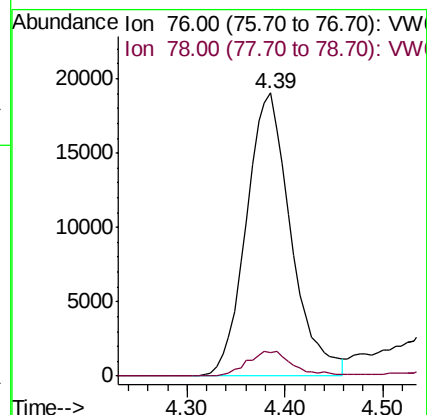
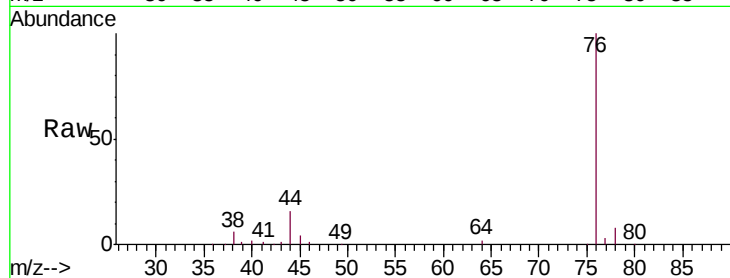
A52F5

Tgt Ion: 76 Resp: 60601

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9



#15

Methyl Acetate

Concen: 5.717 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011383.D

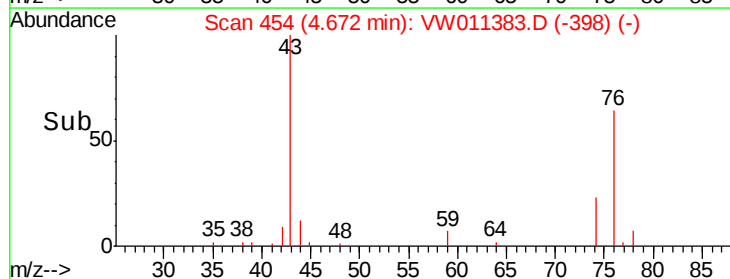
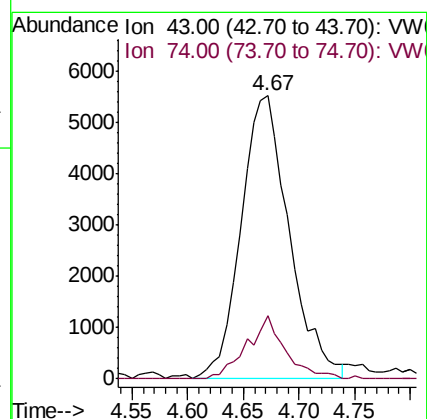
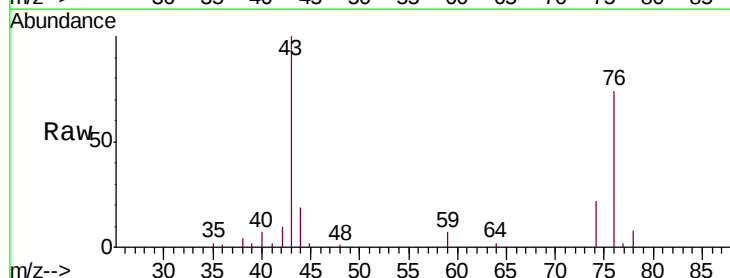
Acq: 19 Jul 2019 17:36

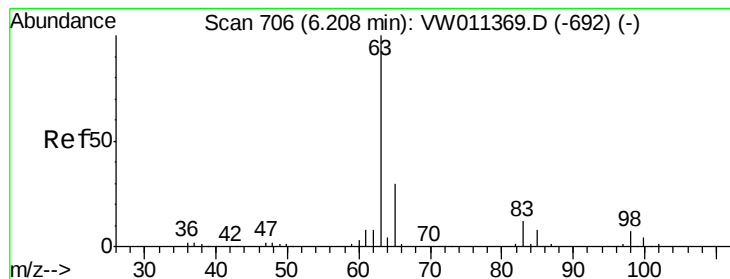
Tgt Ion: 43 Resp: 16634

Ion Ratio Lower Upper

43 100

74 17.6 15.1 22.7





#19

1,1-Dichloroethane

Concen: 5.108 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampled :

A52F5

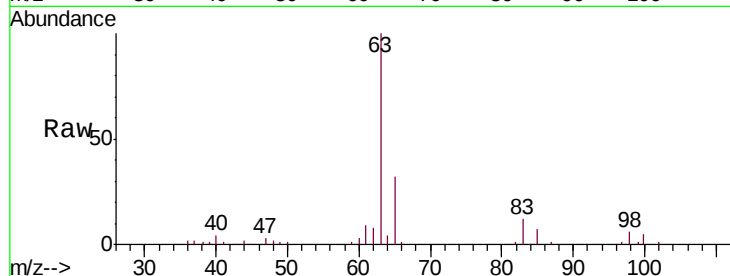
Tgt Ion: 63 Resp: 41905

Ion Ratio Lower Upper

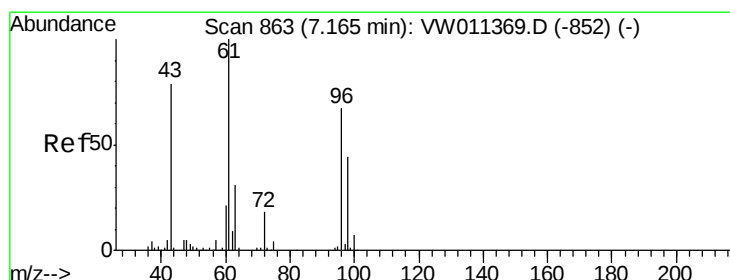
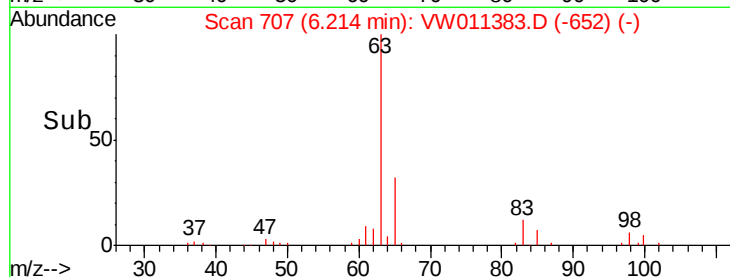
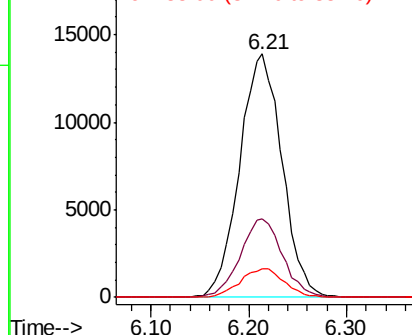
63 100

65 32.2 22.1 41.1

83 11.9 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 2.864 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011383.D

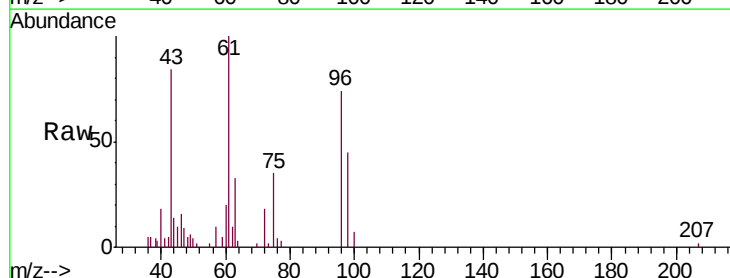
Acq: 19 Jul 2019 17:36

Tgt Ion: 43 Resp: 6610

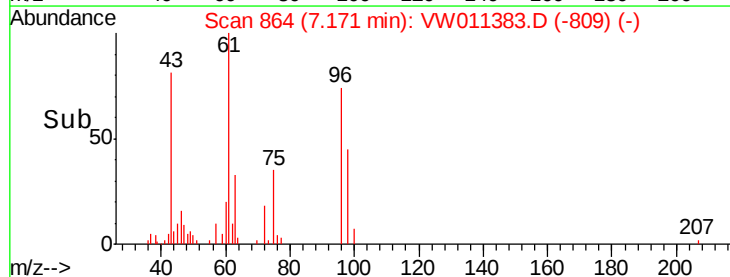
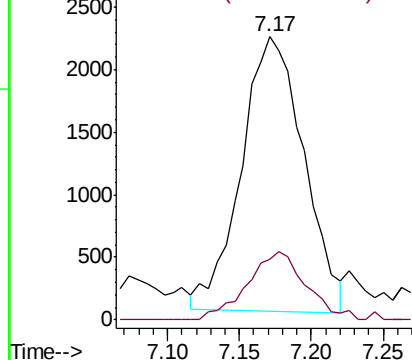
Ion Ratio Lower Upper

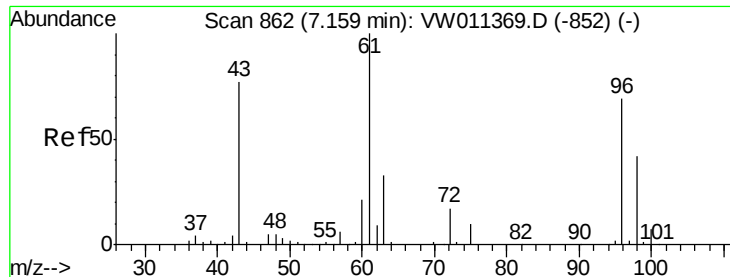
43 100

72 23.0 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: 1.182 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampled :

A52F5

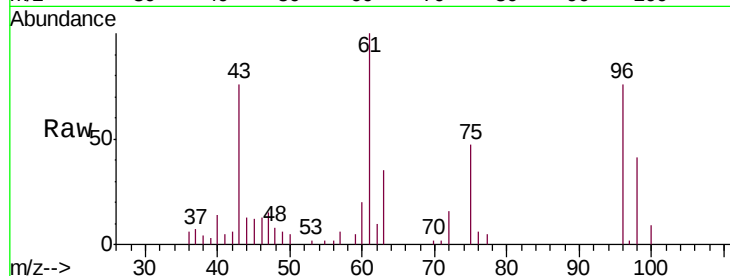
Tgt Ion: 96 Resp: 5169

Ion Ratio Lower Upper

96 100

61 131.6 103.2 191.6

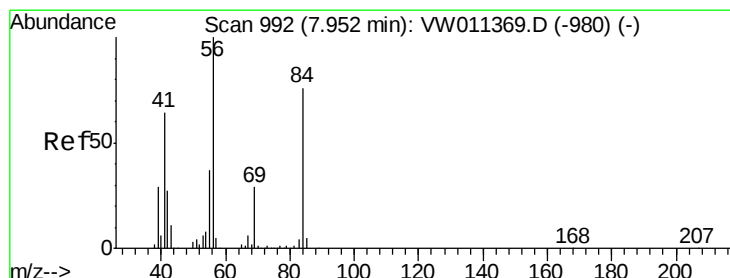
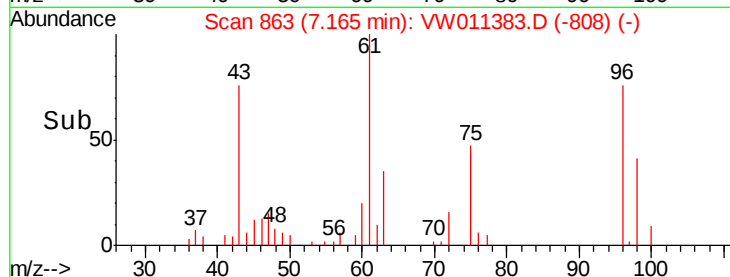
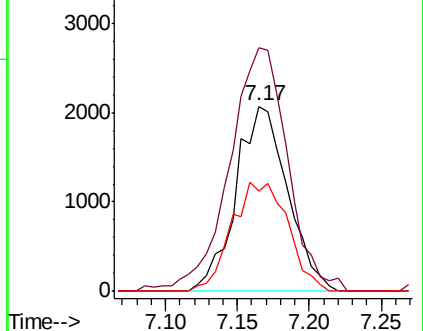
98 54.2 44.8 83.2



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



#30

Cyclohexane

Concen: 1.030 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

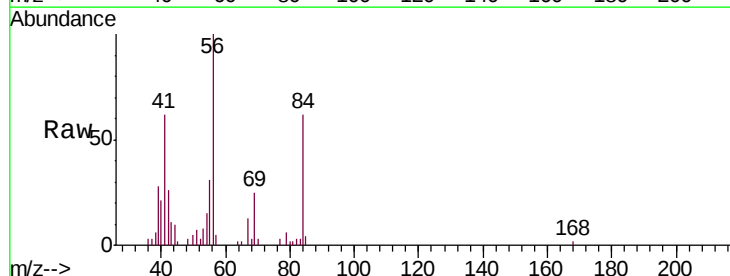
Tgt Ion: 56 Resp: 7744

Ion Ratio Lower Upper

56 100

69 24.9 22.5 33.7

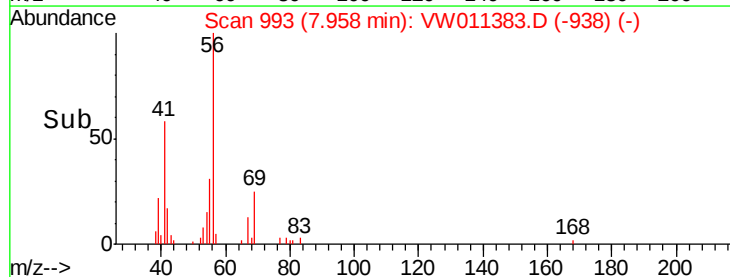
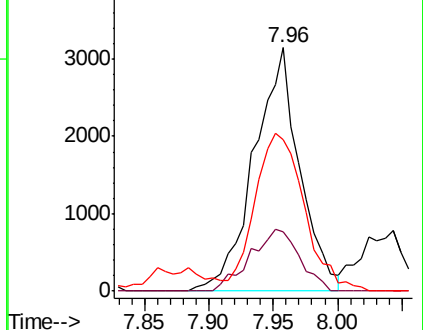
84 70.0 60.9 91.3

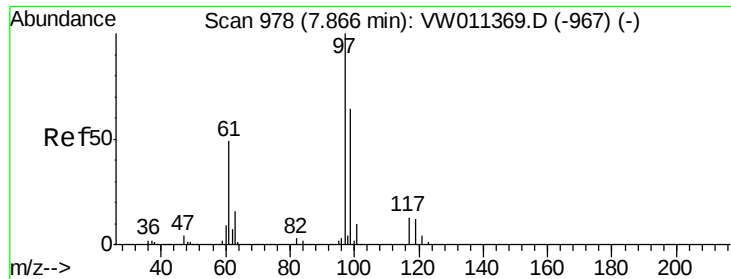


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#31

1,1,1-Trichloroethane

Concen: 7.930 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampled :

A52F5

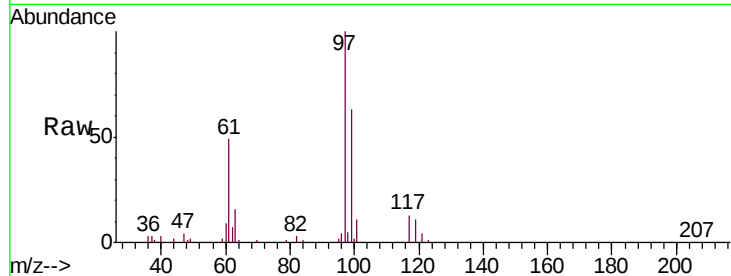
Tgt Ion: 97 Resp: 40683

Ion Ratio Lower Upper

97 100

99 65.8 50.6 75.8

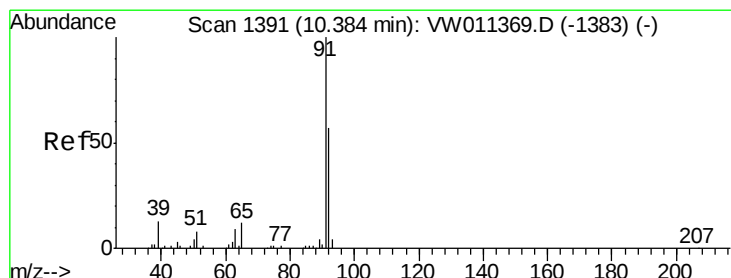
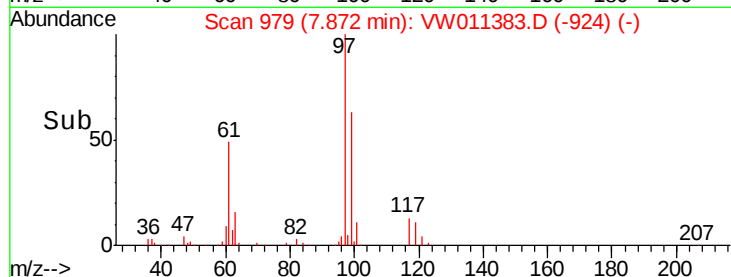
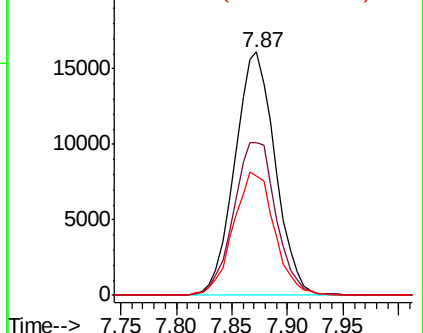
61 51.6 40.9 61.3



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#44

Toluene

Concen: 14.784 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011383.D

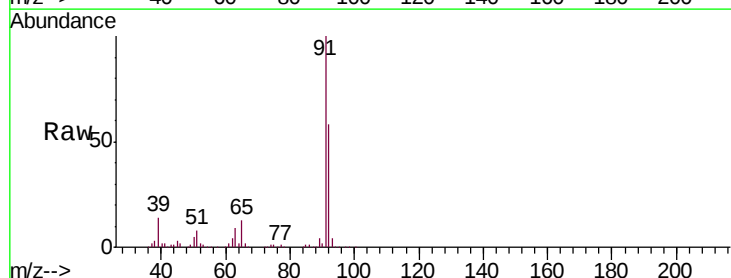
Acq: 19 Jul 2019 17:36

Tgt Ion: 91 Resp: 236403

Ion Ratio Lower Upper

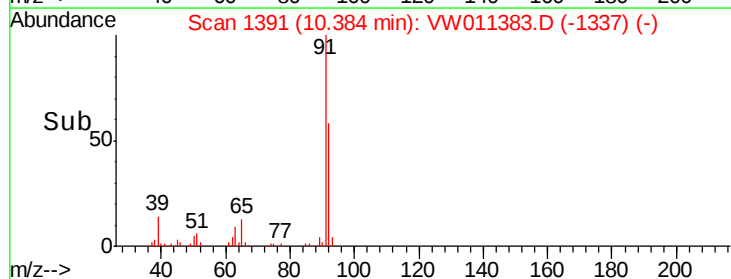
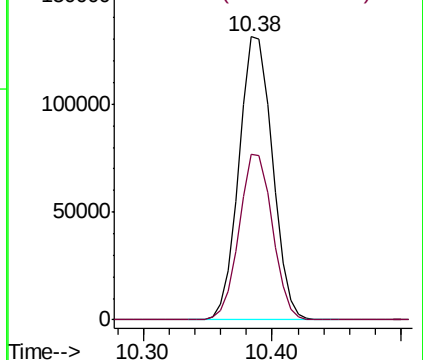
91 100

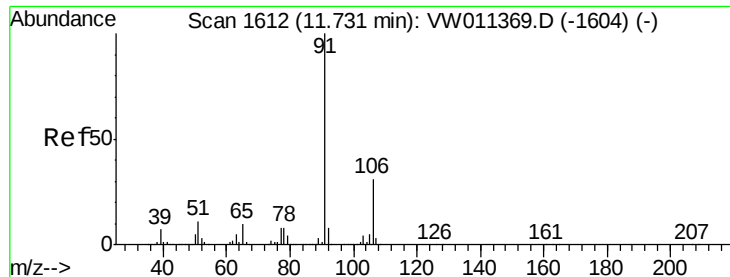
92 58.5 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#53

Ethylbenzene

Concen: 0.689 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

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ClientSampleId :

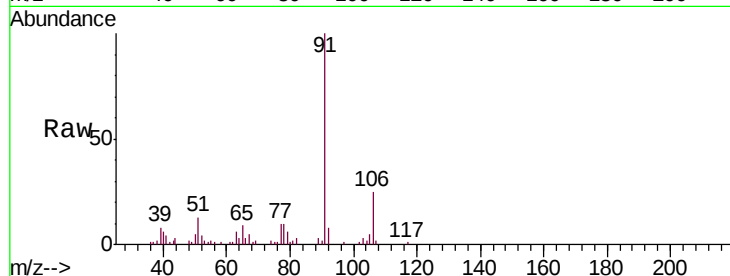
A52F5

Tgt Ion: 91 Resp: 12494

Ion Ratio Lower Upper

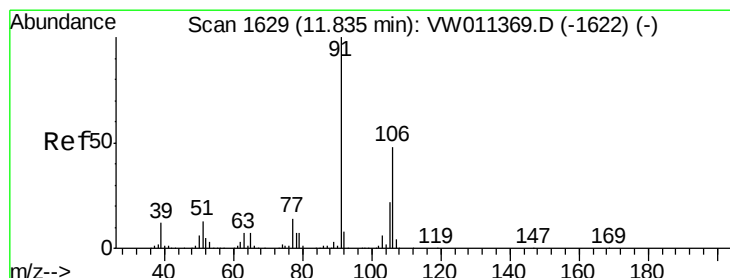
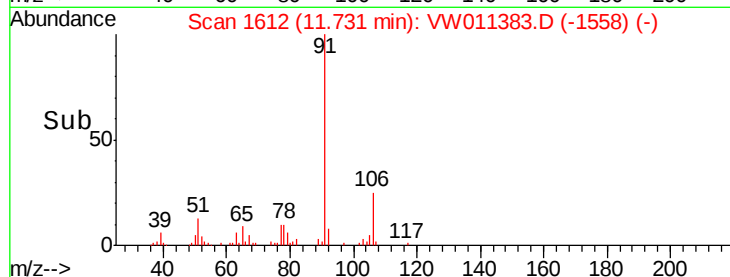
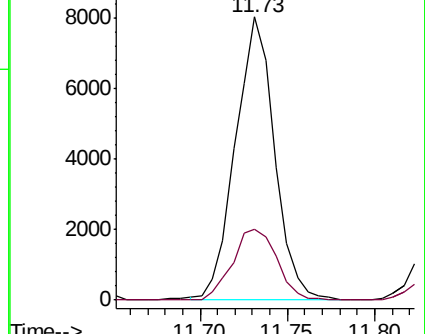
91 100

106 25.2 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 0.638 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW011383.D

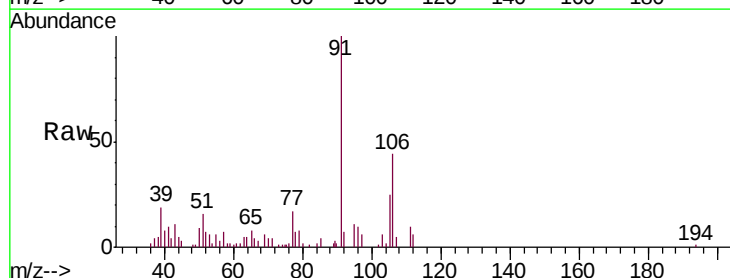
Acq: 19 Jul 2019 17:36

Tgt Ion: 106 Resp: 4201

Ion Ratio Lower Upper

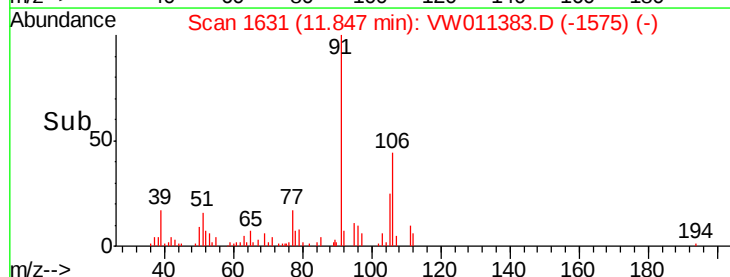
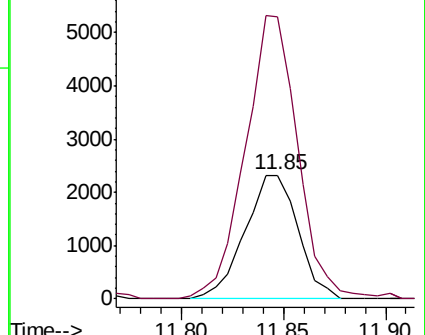
106 100

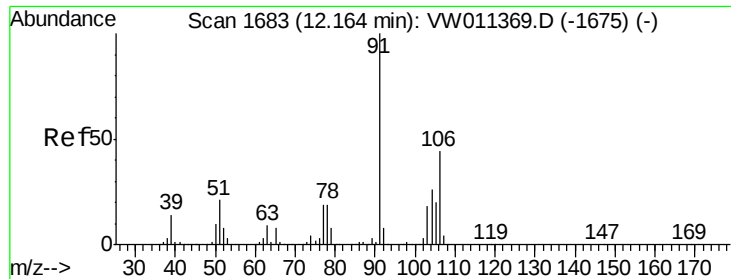
91 228.5 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

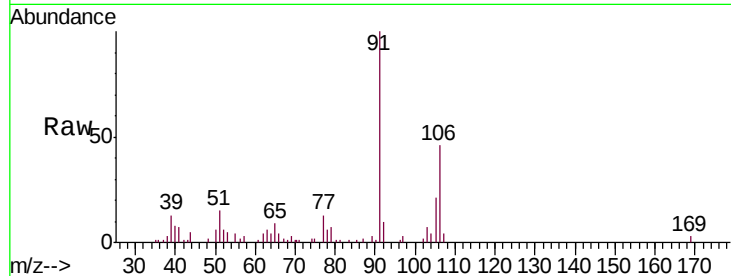




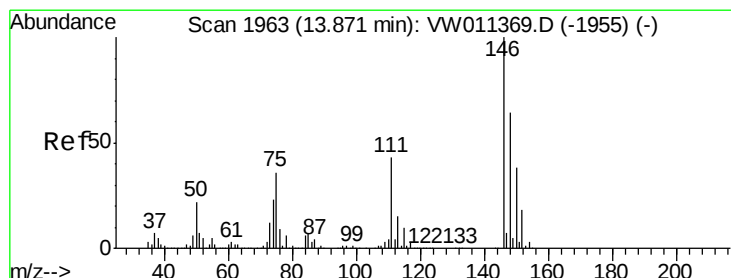
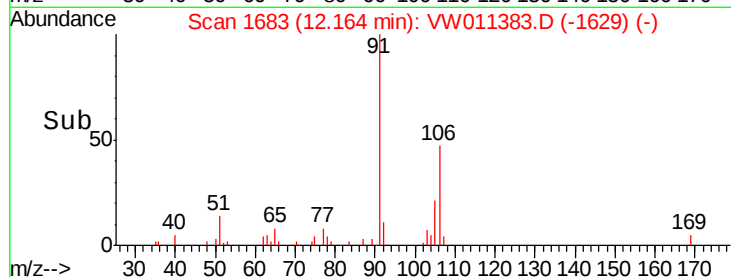
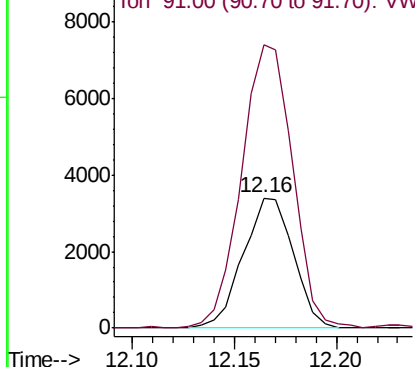
#55
o-xylene
Concen: 0.927 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011383.D
Acq: 19 Jul 2019 17:36

Instrument :
MSVOA_W
ClientSampled :
A52F5

Tgt Ion:106 Resp: 5808
Ion Ratio Lower Upper
106 100
91 217.7 154.6 287.2

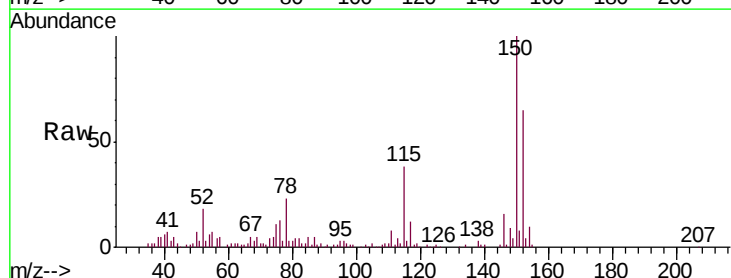


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



#65
1,2-Dichlorobenzene
Concen: 1.100 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011383.D
Acq: 19 Jul 2019 17:36

Tgt Ion:146 Resp: 5661
Ion Ratio Lower Upper
146 100
111 47.9 34.1 51.1
148 60.3 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

