

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011401.D
 Acq On : 20 Jul 2019 03:57
 Operator : SY/VA
 Sample : K3887-07
 Misc : 5.55G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(4)

Quant Time: Jul 20 05:56:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	174707	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
35) Dibromofluoromethane	7.88	113	139556	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
50) Toluene-d8	10.32	98	538909	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	134674	34.68	ug/l	0.00
Spiked Amount			Recovery	=	69.36%	

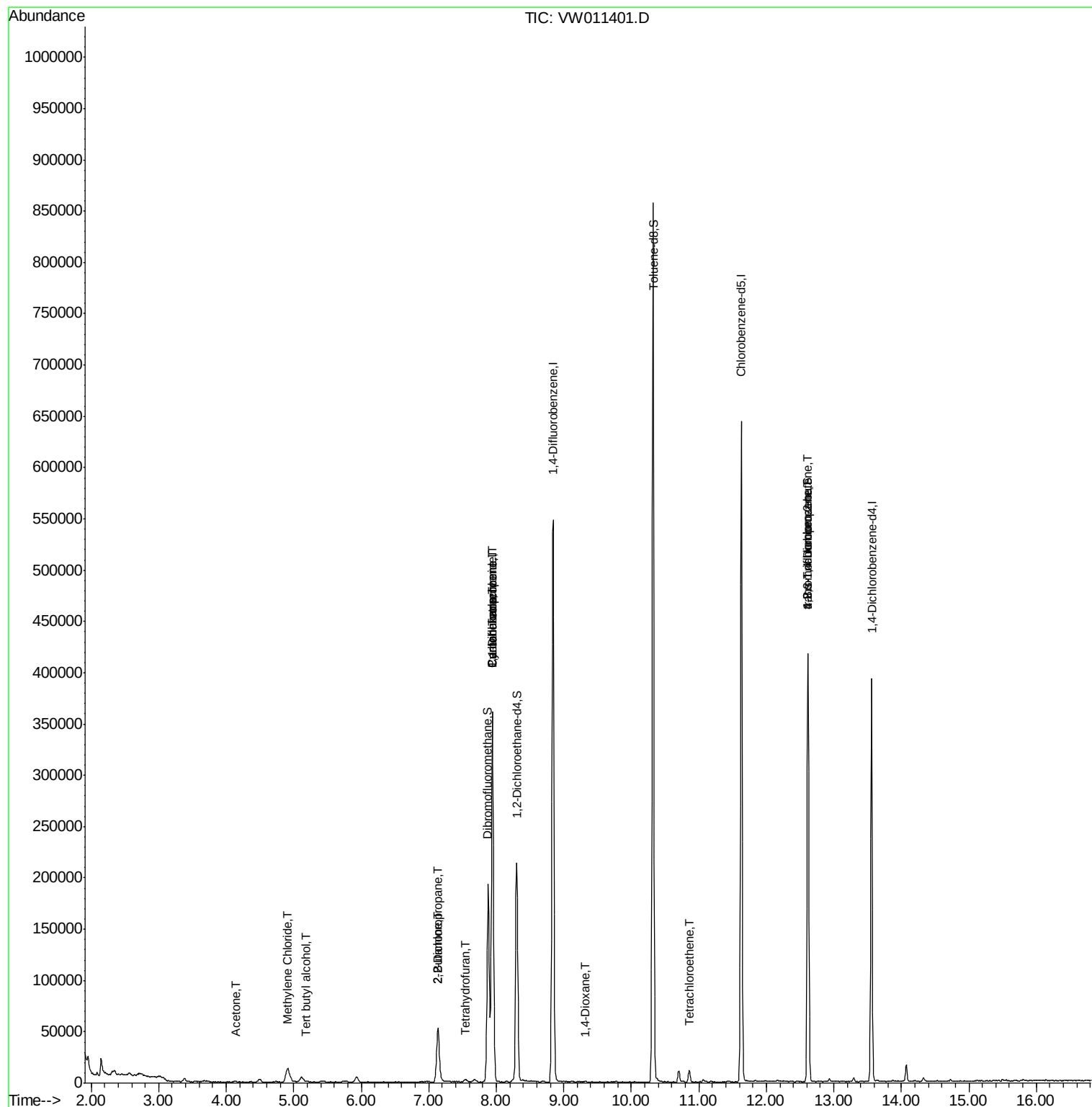
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	865	3.525	ug/l #	86
16) Acetone	4.14	43	1530	1.918	ug/l #	84
18) Methyl Acetate	4.68	43	522	Below Cal	#	71
20) Methylene Chloride	4.90	84	9583	3.046	ug/l	94
25) 2-Butanone	7.13	43	3444	2.751	ug/l #	79
26) 2,2-Dichloropropane	7.13	77	3620	1.154	ug/l #	53
29) Tetrahydrofuran	7.54	42	1586	1.932	ug/l	93
31) Cyclohexane	7.94	56	6511	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23557	5.031	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25786	6.497	ug/l #	17
49) 1,4-Dioxane	9.31	88	52	1.893	ug/l #	67
64) Tetrachloroethene	10.87	164	2432	1.086	ug/l #	76
76) 1,2,3-Trichloropropane	12.62	75	73033	66.903	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73033	151.321	ug/l #	6

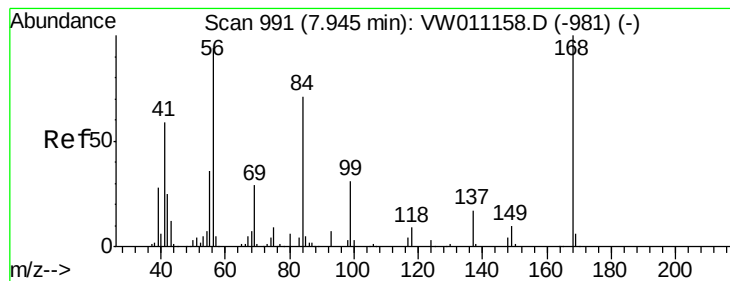
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 11 08:14:17 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

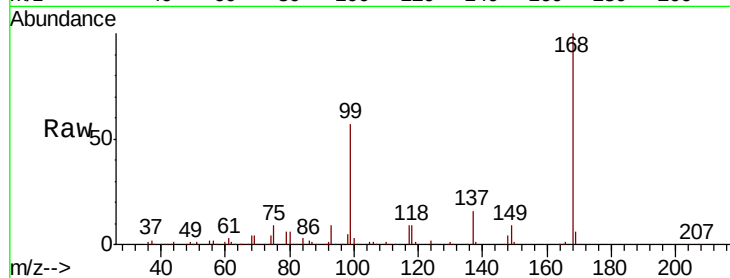
AOC-7(4)

Tot Ion:168 Resp: 263787

Ion Ratio Lower Upper

168 100

99 56.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

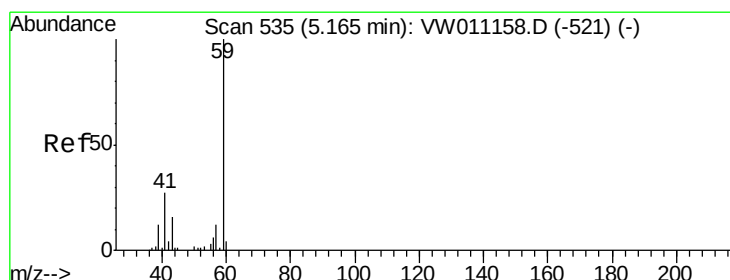
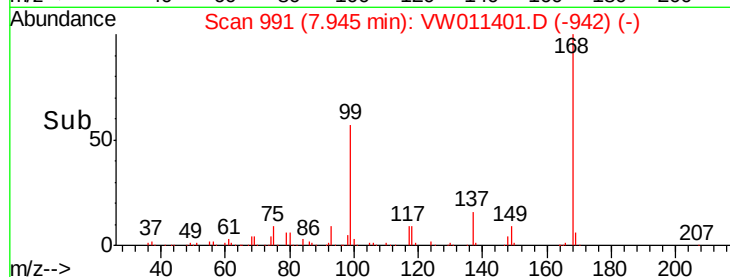
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.525 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW011401.D

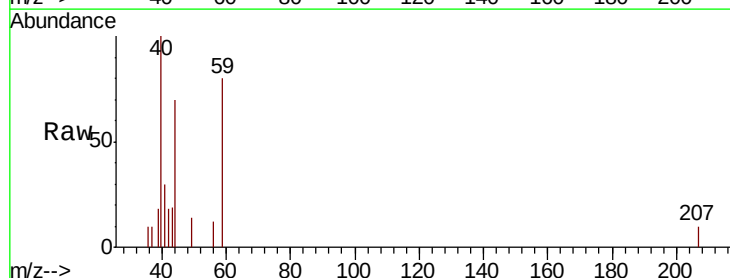
Acq: 20 Jul 2019 03:57

Tgt Ion: 59 Resp: 865

Ion Ratio Lower Upper

59 100

57 6.1 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1000

800

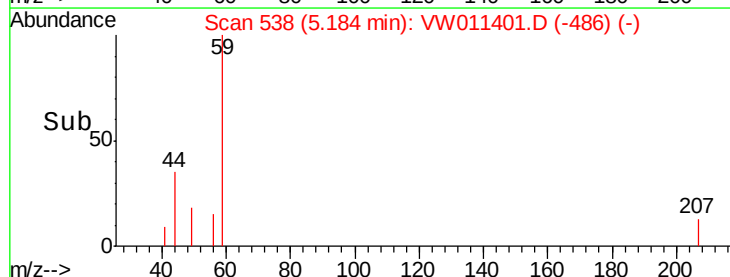
600

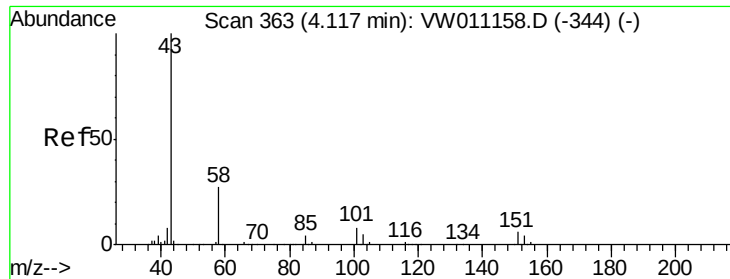
400

200

0

Time-->





#16

Acetone

Concen: 1.918 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampled :

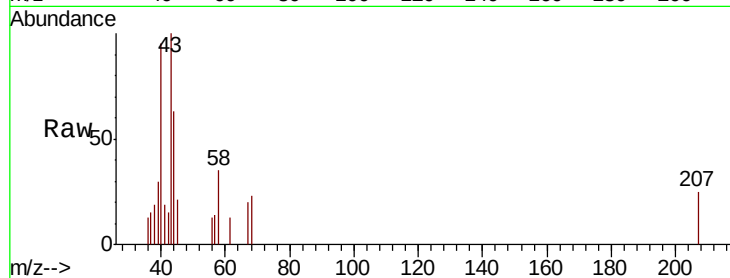
AOC-7(4)

Tot Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

58 35.3 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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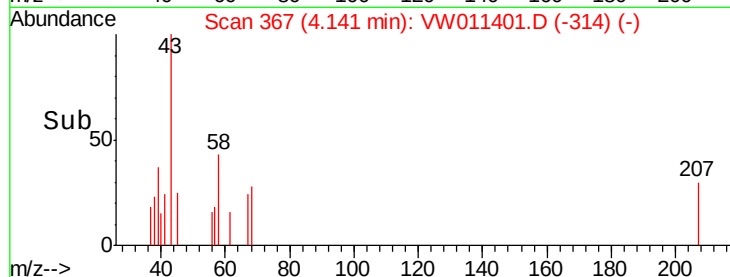
4.14

4.14

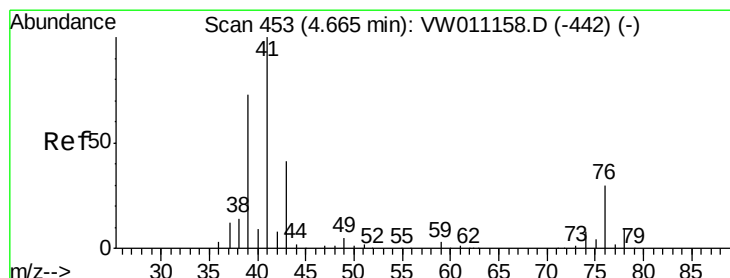
4.14

4.14

4.14



Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW011401.D

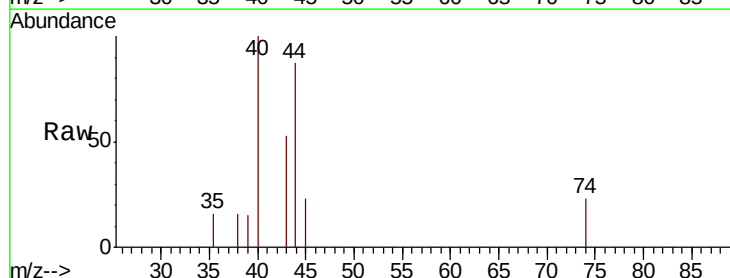
Acq: 20 Jul 2019 03:57

Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

74 6.3 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

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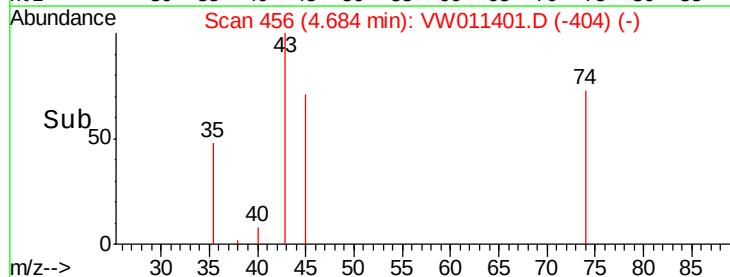
4.68

4.68

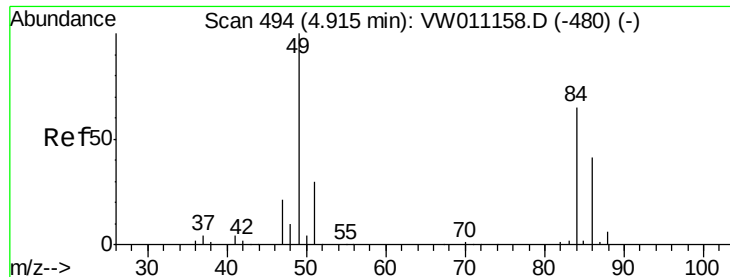
4.68

4.68

4.68



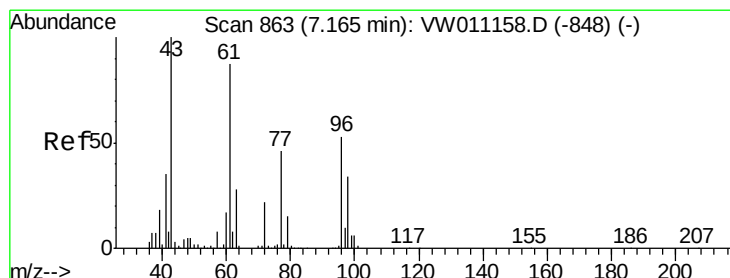
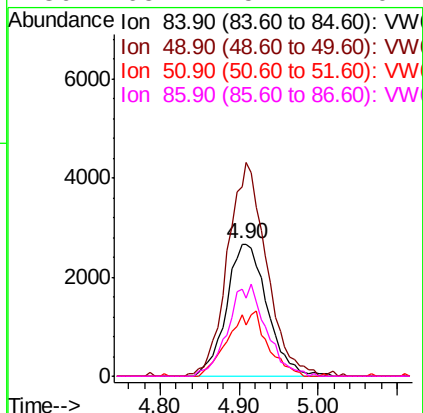
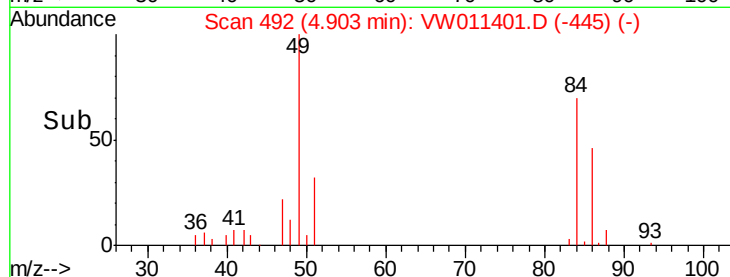
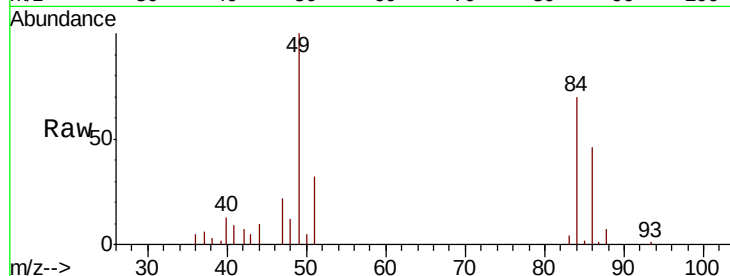
Time-->



#20
Methylene Chloride
Concen: 3.046 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW011401.D
Acq: 20 Jul 2019 03:57

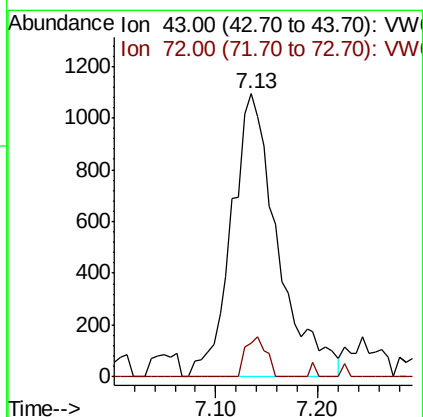
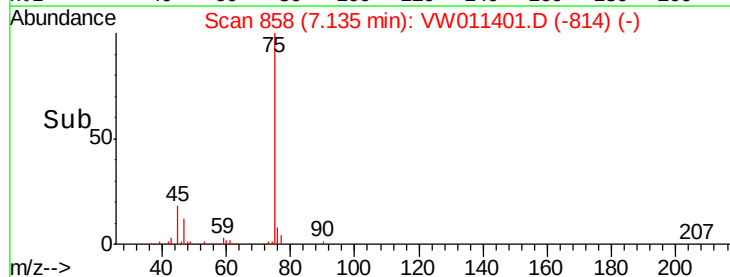
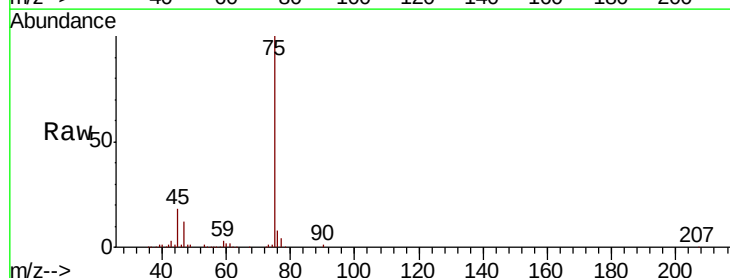
Instrument :
MSVOA_W
ClientSampled :
AOC-7(4)

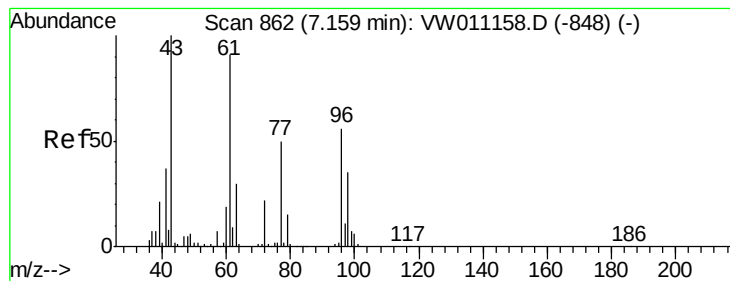
Tot Ion:	84	Resp:	9583
Ion	Ratio	Lower	Upper
84	100		
49	142.6	123.8	185.6
51	46.3	37.4	56.2
86	65.4	51.1	76.7



#25
2-Butanone
Concen: 2.751 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011401.D
Acq: 20 Jul 2019 03:57

Tgt Ion:	43	Resp:	3444
Ion	Ratio	Lower	Upper
43	100		
72	12.1	17.6	26.4#





#26

2,2-Dichloropropane

Concen: 1.154 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

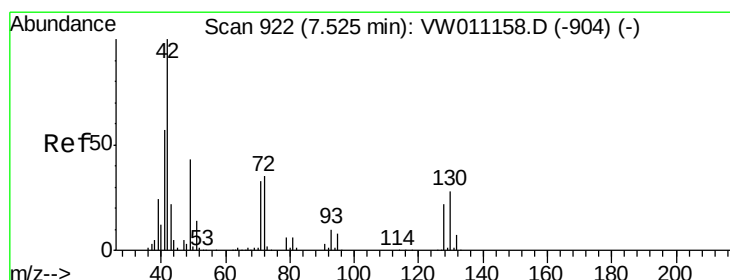
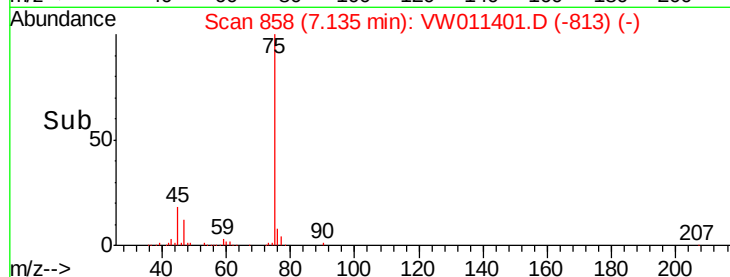
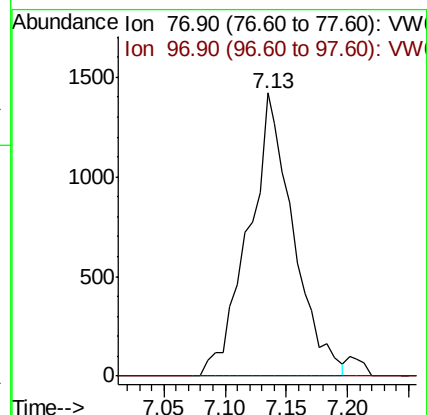
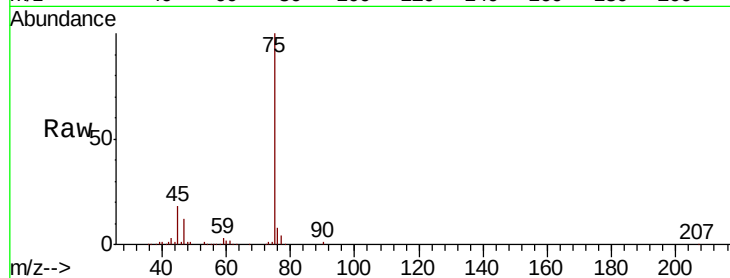
AOC-7(4)

Tot Ion: 77 Resp: 3620

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#29

Tetrahydrofuran

Concen: 1.932 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

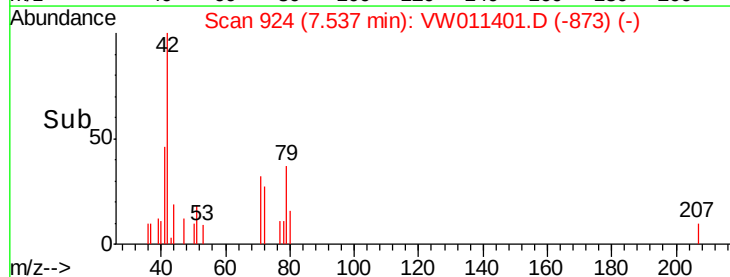
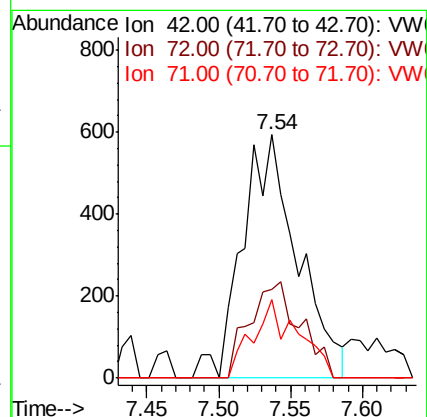
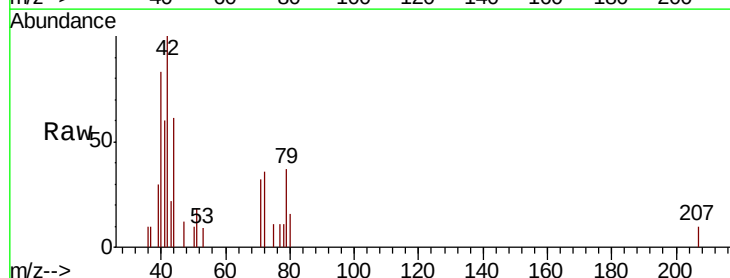
Tgt Ion: 42 Resp: 1586

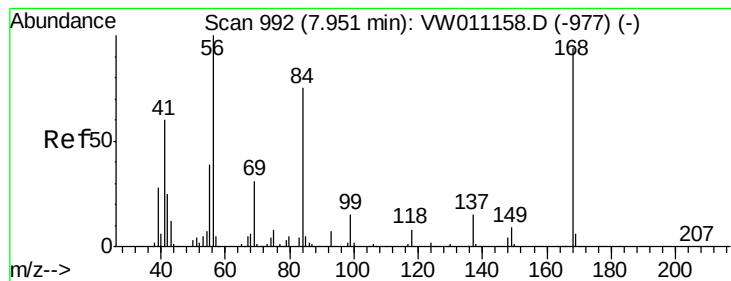
Ion Ratio Lower Upper

42 100

72 36.4 27.4 41.2

71 26.6 25.9 38.9





#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(4)

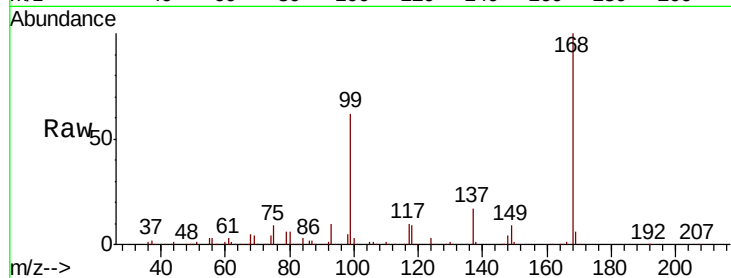
Tot Ion: 56 Resp: 6511

Ion Ratio Lower Upper

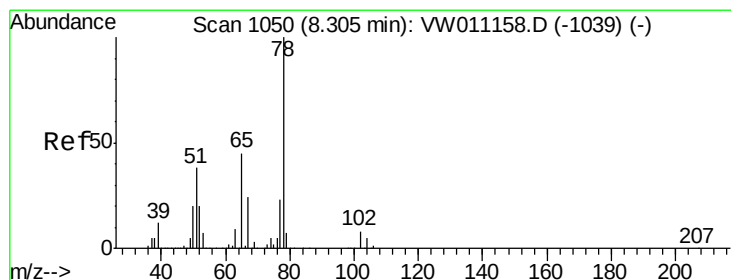
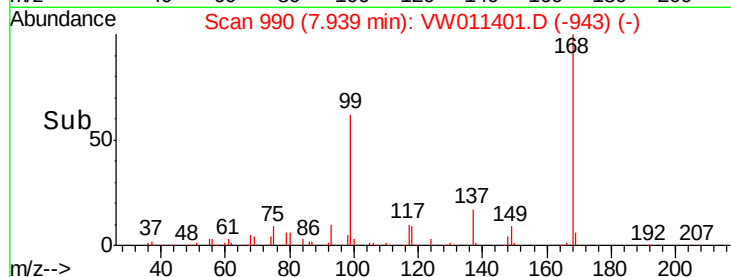
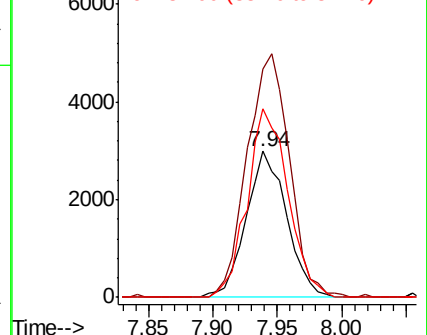
56 100

69 156.4 24.6 36.8#

84 129.3 60.1 90.1#



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



#33

1,2-Dichloroethane-d4

Concen: 52.709 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011401.D

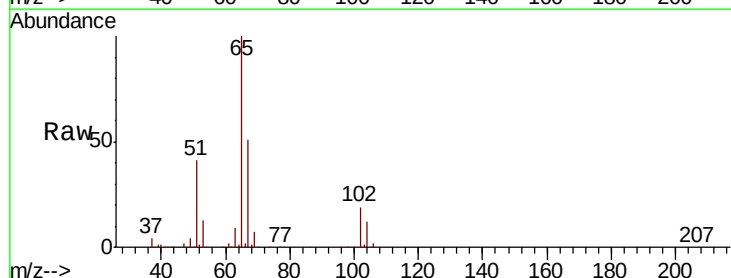
Acq: 20 Jul 2019 03:57

Tgt Ion: 65 Resp: 174707

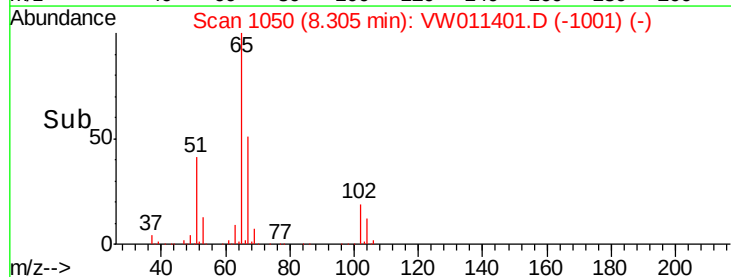
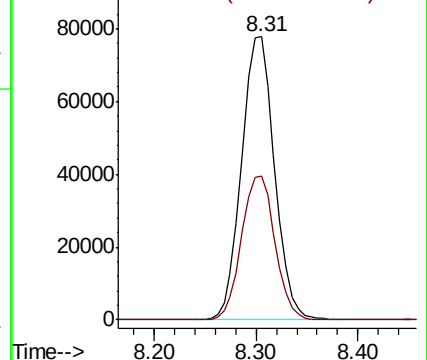
Ion Ratio Lower Upper

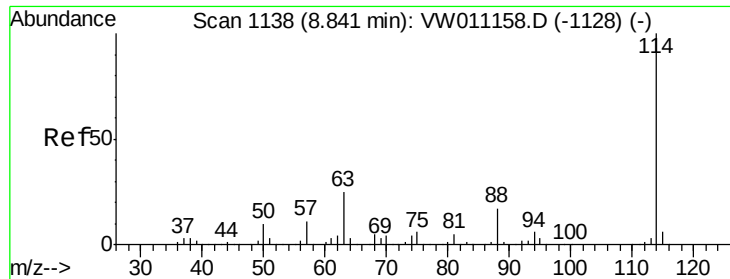
65 100

67 51.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

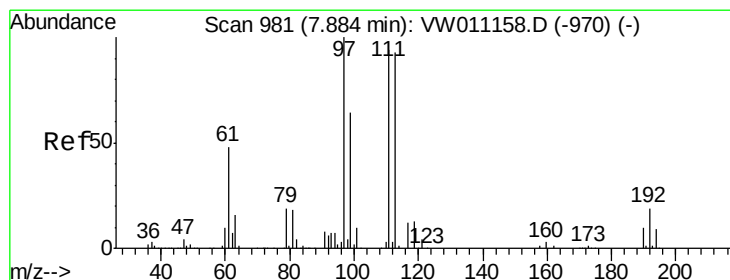
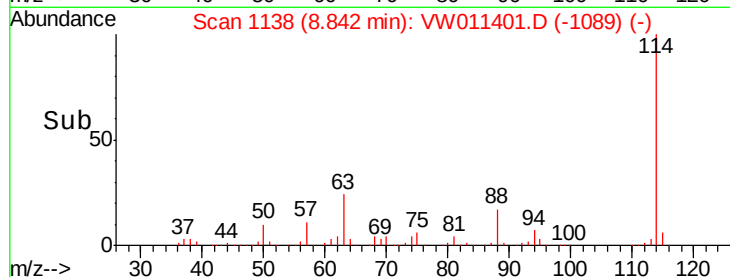
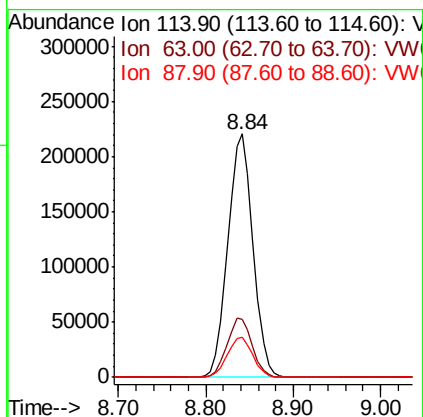
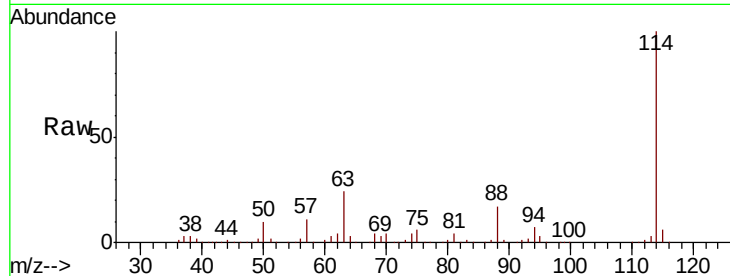




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011401.D
 Acq: 20 Jul 2019 03:57

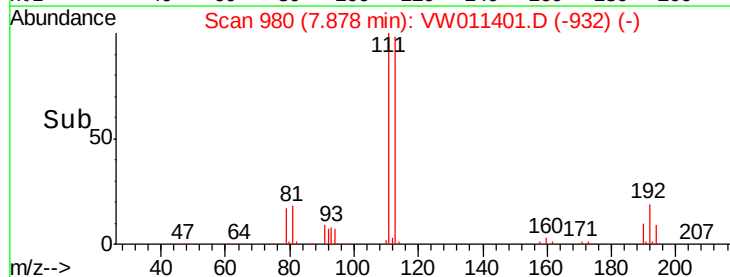
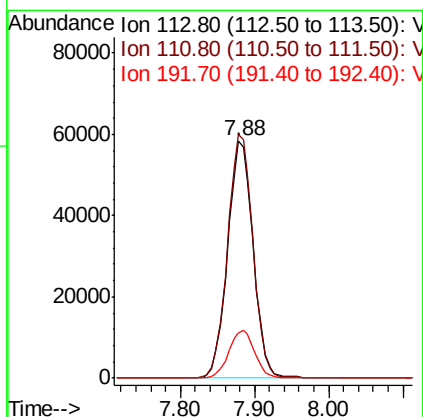
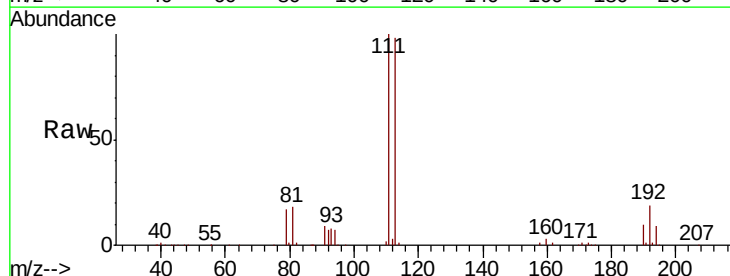
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(4)

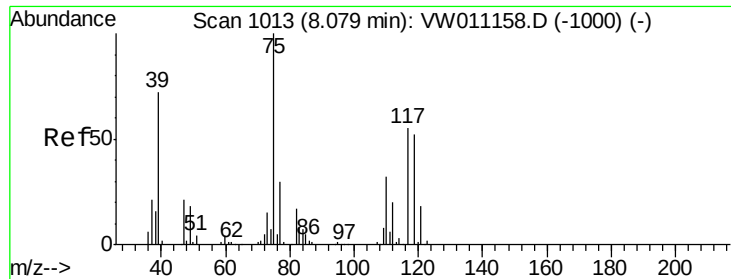
Tot Ion:114 Resp: 439681
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.6 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 53.252 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011401.D
 Acq: 20 Jul 2019 03:57

Tgt Ion:113 Resp: 139556
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 20.3 15.8 23.8





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(4)

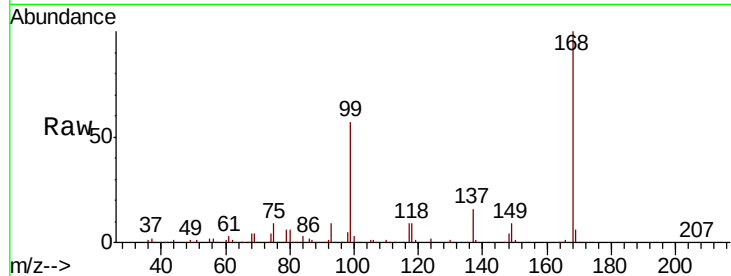
Tot Ion: 75 Resp: 23557

Ion Ratio Lower Upper

75 100

110 8.3 15.9 47.6#

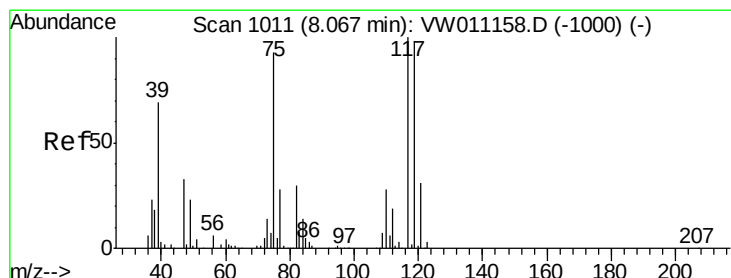
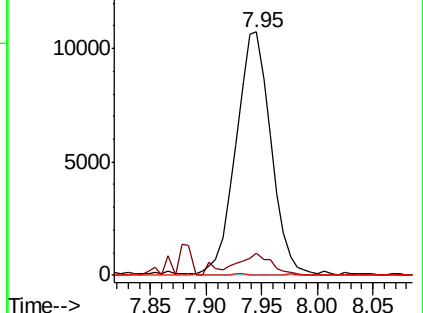
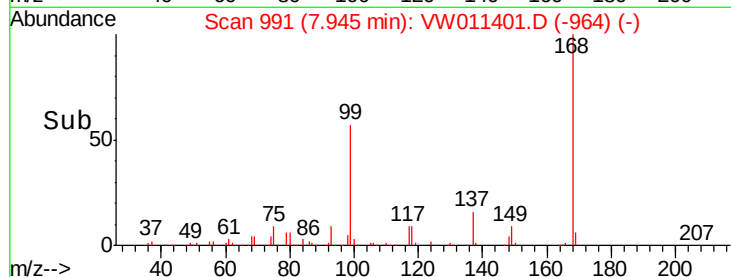
77 0.2 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.497 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

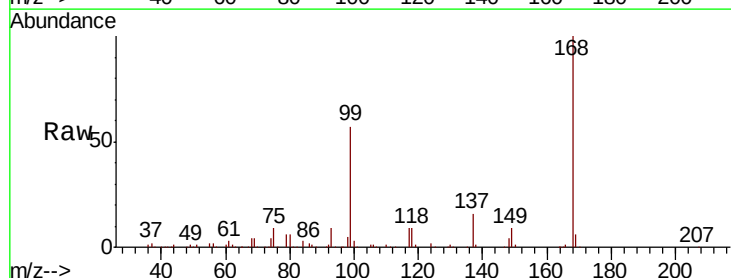
Tgt Ion: 117 Resp: 25786

Ion Ratio Lower Upper

117 100

119 7.3 78.1 117.1#

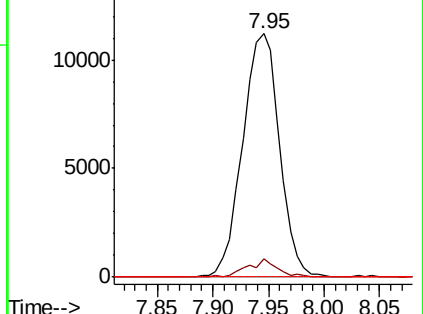
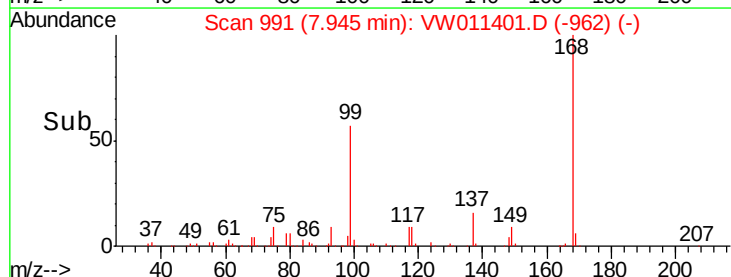
121 0.0 25.1 37.7#

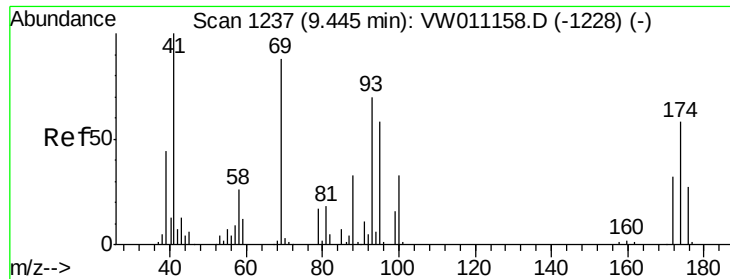


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.893 ug/l

RT: 9.31 min Scan# 1215

Delta R.T. -0.13 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampled :

AOC-7(4)

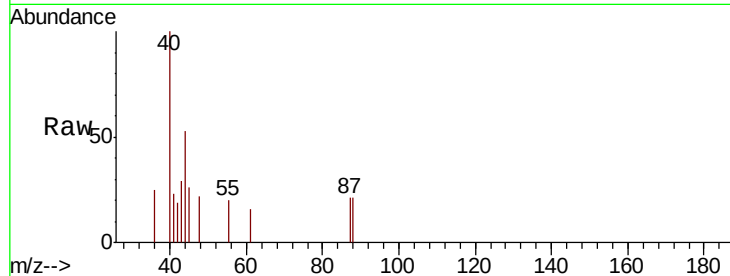
Tot Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 42.3 33.4 50.0

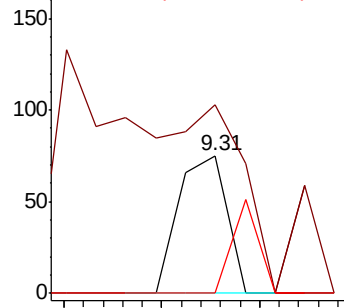
58 36.5 64.5 96.7#



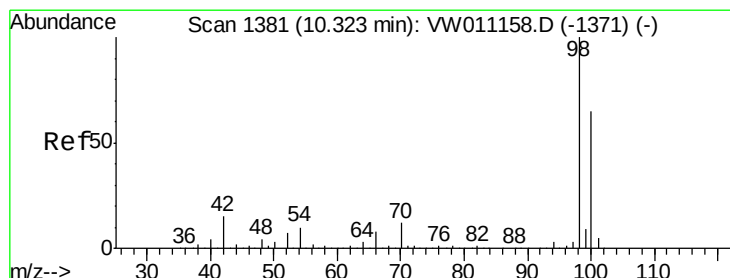
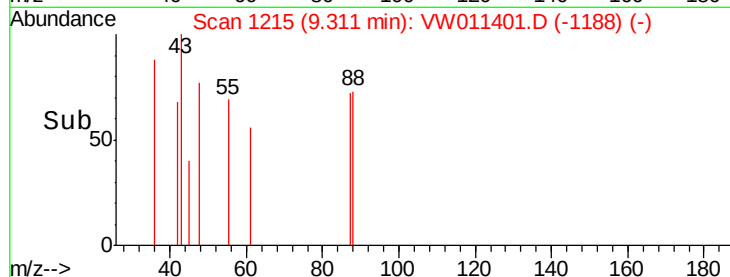
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 50.873 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011401.D

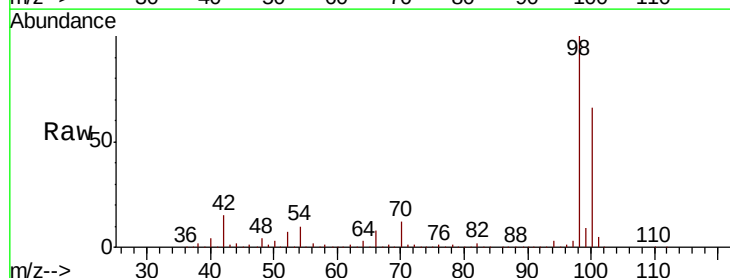
Acq: 20 Jul 2019 03:57

Tgt Ion: 98 Resp: 538909

Ion Ratio Lower Upper

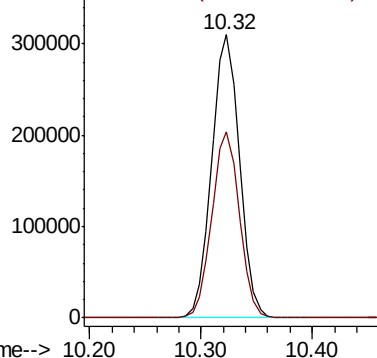
98 100

100 65.1 52.4 78.6

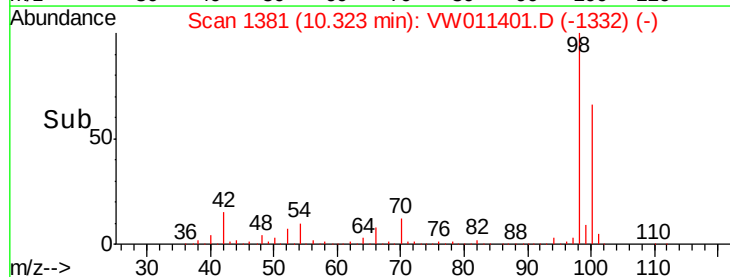


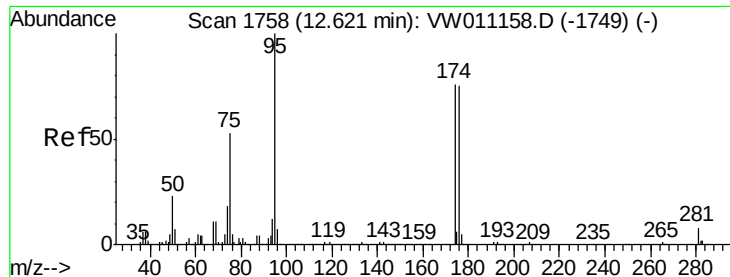
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#62

4-Bromofluorobenzene

Concen: 34.685 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(4)

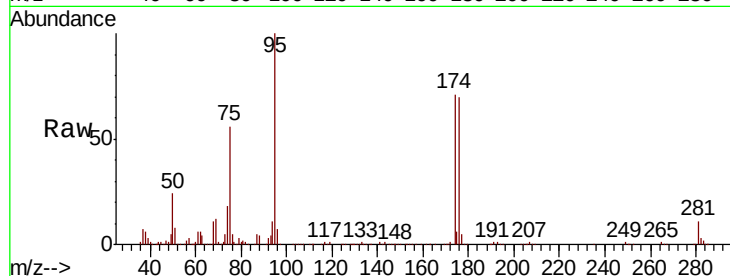
Tot Ion: 95 Resp: 134674

Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.6

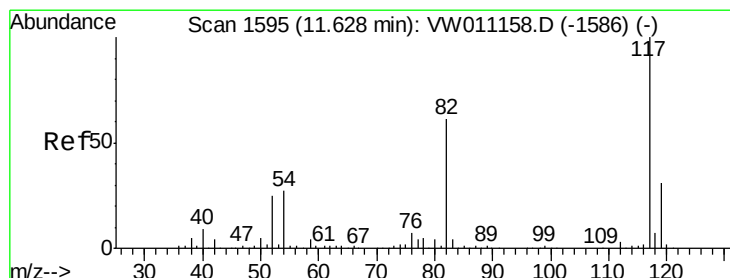
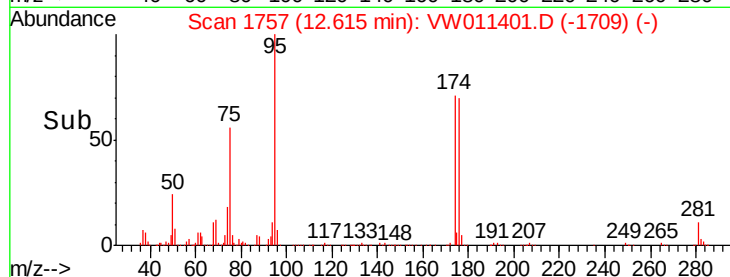
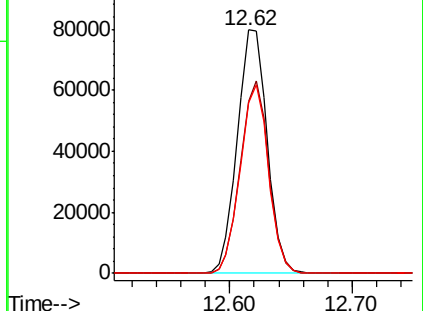
176 73.6 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

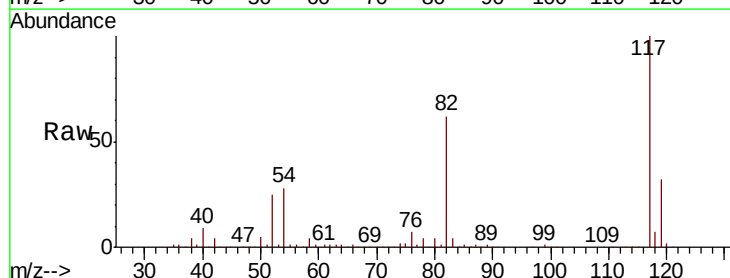
Tgt Ion: 117 Resp: 331744

Ion Ratio Lower Upper

117 100

82 62.4 48.9 73.3

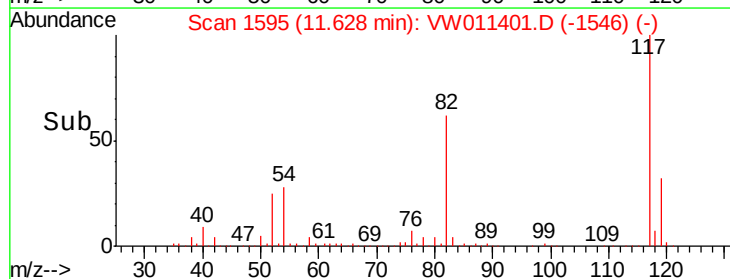
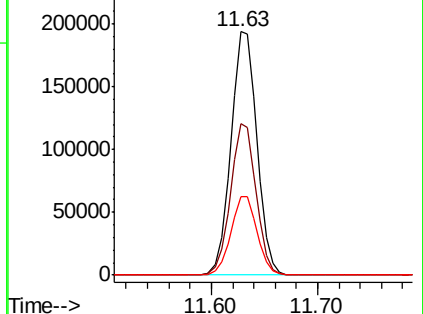
119 32.4 25.0 37.6

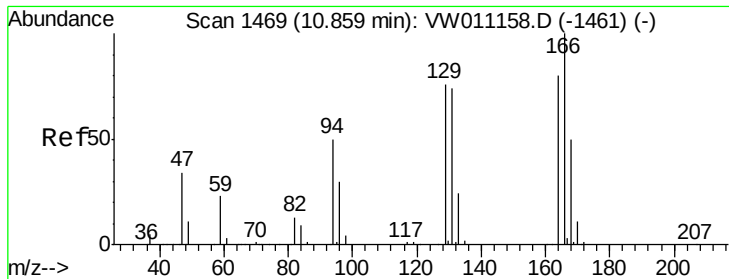


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 1.086 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(4)

Tot Ion:164 Resp: 2432

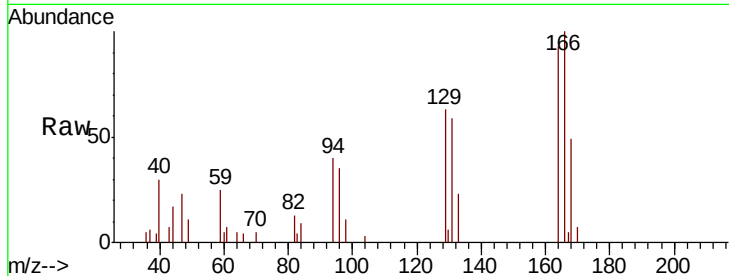
Ion Ratio Lower Upper

164 100

166 107.4 99.7 149.5

129 67.2 76.2 114.2#

131 63.8 74.0 111.0#

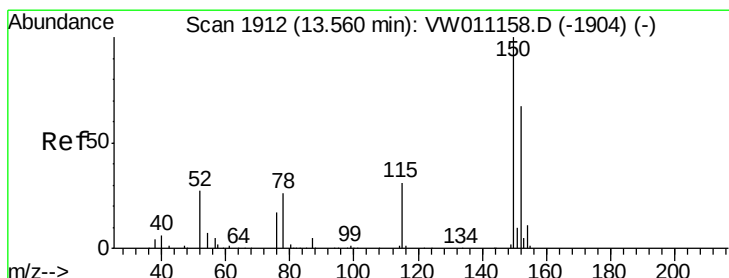
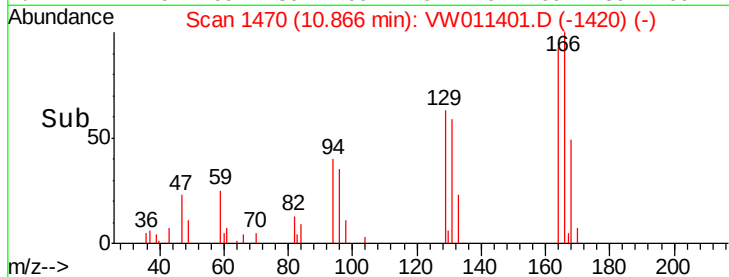
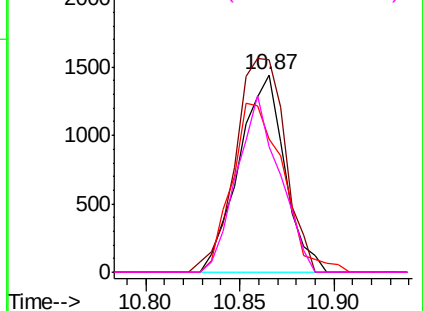


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

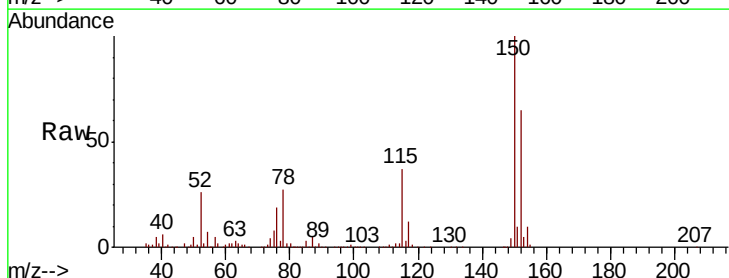
Tgt Ion:152 Resp: 94462

Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.3

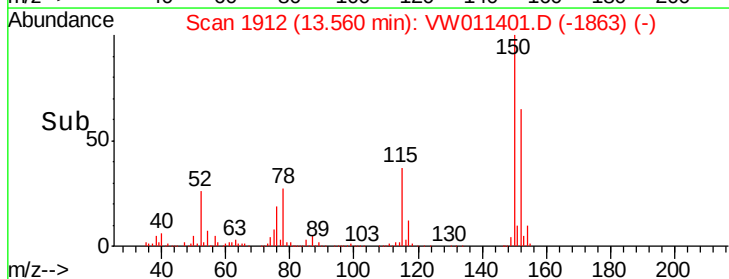
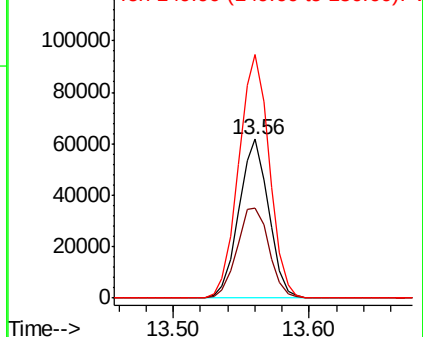
150 157.5 0.0 346.0

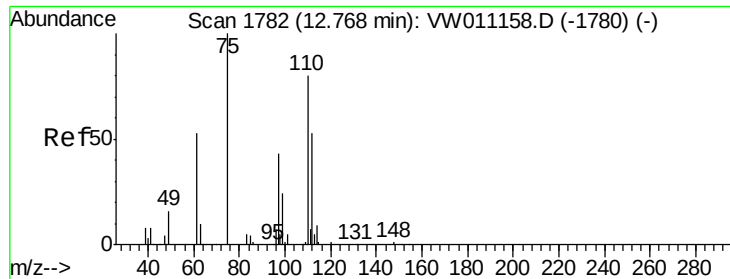


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 66.903 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Instrument :

MSVOA_W

ClientSampleId :

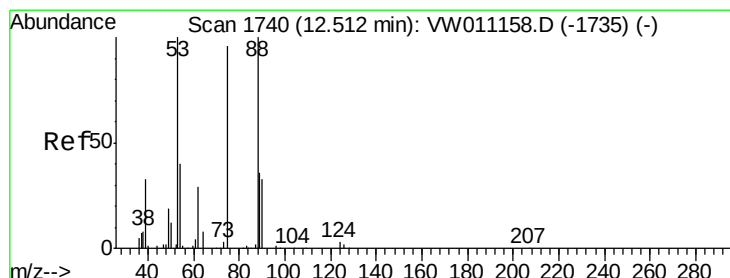
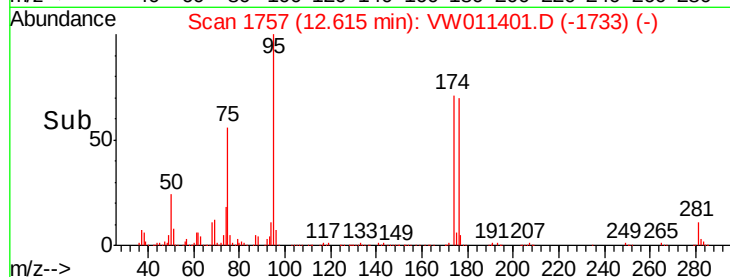
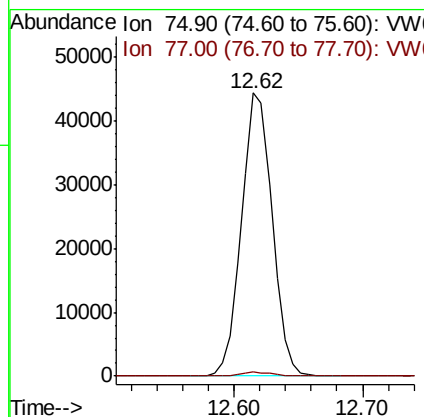
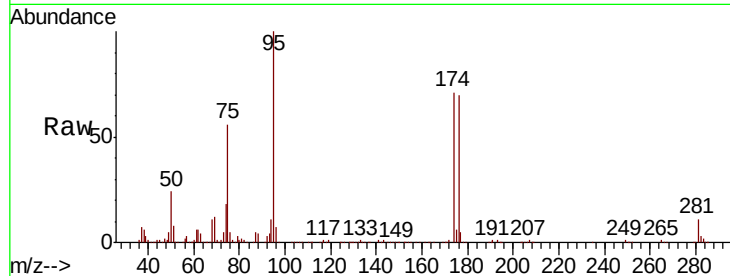
AOC-7(4)

Tot Ion: 75 Resp: 73033

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.321 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011401.D

Acq: 20 Jul 2019 03:57

Tgt Ion: 75 Resp: 73033

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.3 34.3 51.5#

