

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011663.D
 Acq On : 03 Aug 2019 14:05
 Operator : SY/VA
 Sample : K4152-02
 Misc : 5.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H1-(0-1)

Quant Time: Aug 04 01:44:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105978	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	134277	55.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.74%	
35) Dibromofluoromethane	7.88	113	107568	54.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.76%	
50) Toluene-d8	10.32	98	432737	53.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.62	95	130429	45.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.18%	

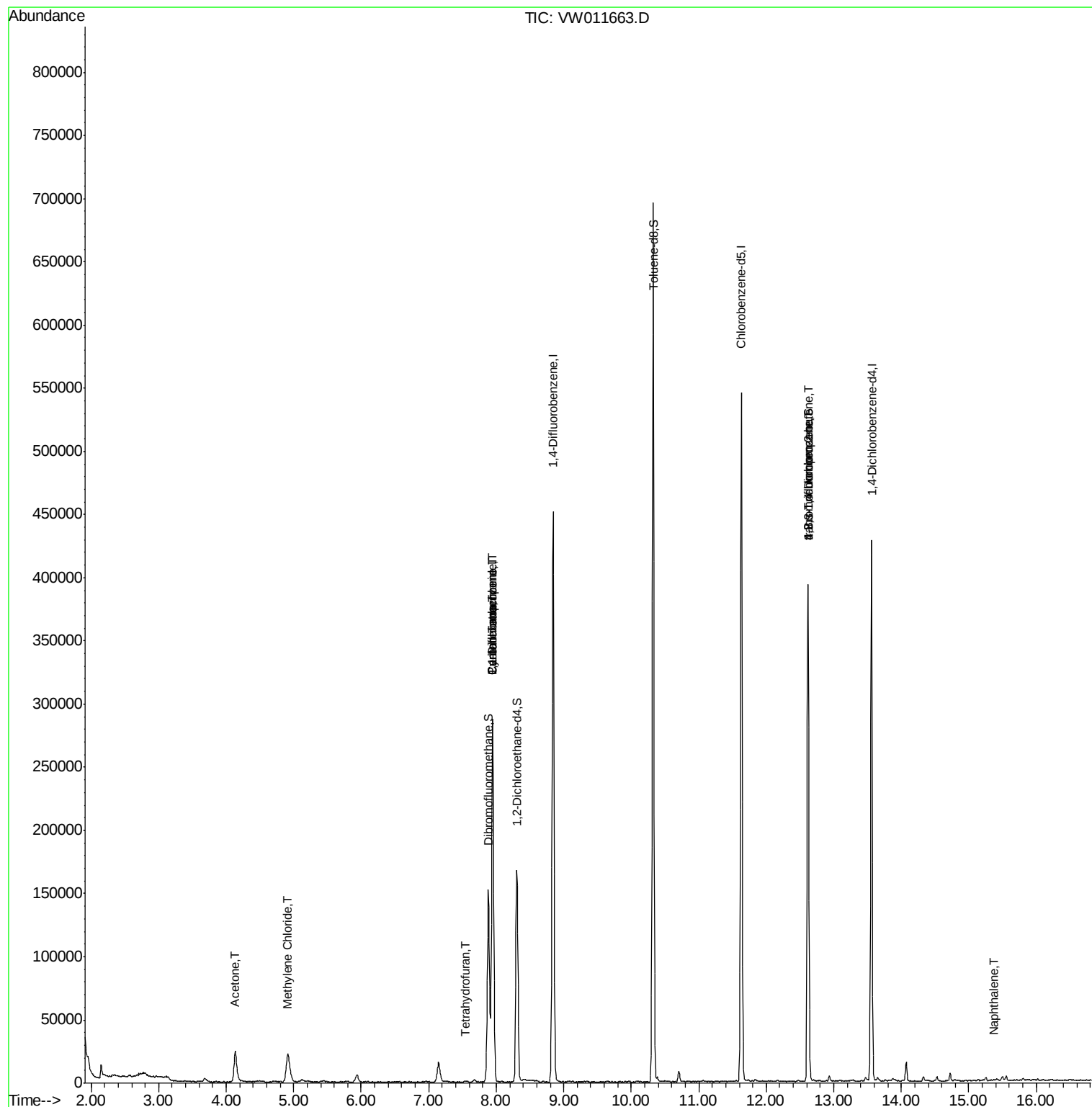
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	124	Below Cal	#	1
16) Acetone	4.14	43	47019	61.504	ug/l	98
20) Methylene Chloride	4.92	84	17791	6.748	ug/l	98
29) Tetrahydrofuran	7.54	42	685	1.198	ug/l #	65
31) Cyclohexane	7.94	56	5260	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18307	5.040	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21060	6.772	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	69369	61.861	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69369	142.568	ug/l #	6
95) Naphthalene	15.37	128	696	2.225	ug/l #	77

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

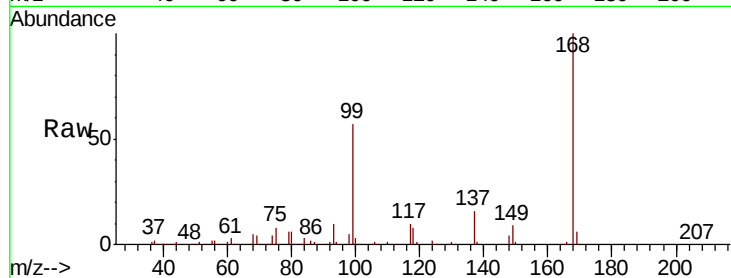
2S-H1-(0-1)

Tgt Ion:168 Resp: 209298

Ion Ratio Lower Upper

168 100

99 57.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

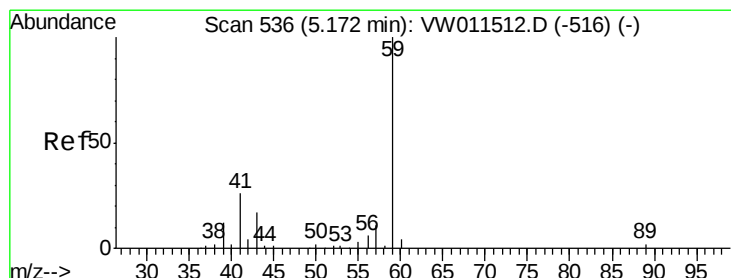
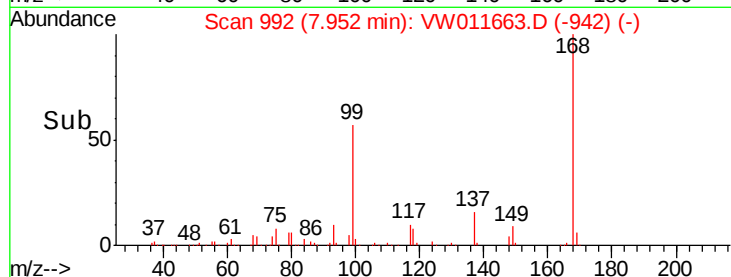
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011663.D

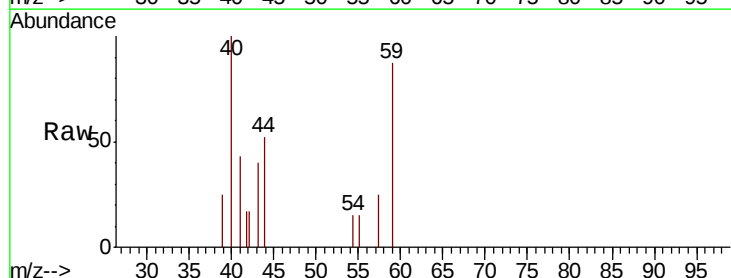
Acq: 03 Aug 2019 14:05

Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

57 69.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

400

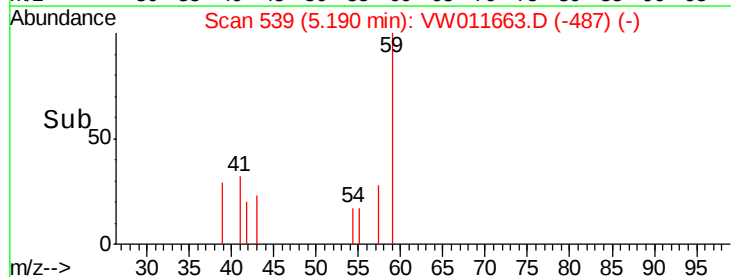
300

200

100

0

Time--> 5.16 5.17 5.18 5.19 5.20





#16

Acetone

Concen: 61.504 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

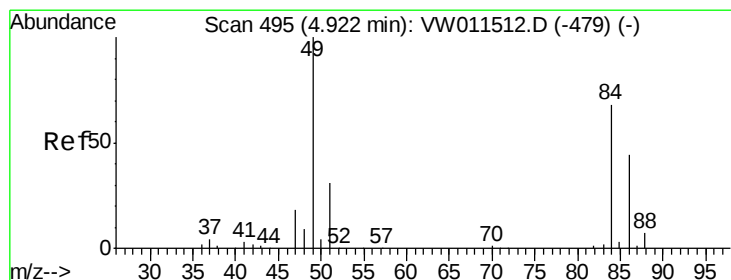
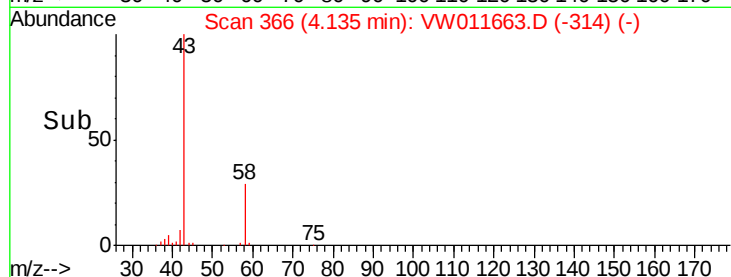
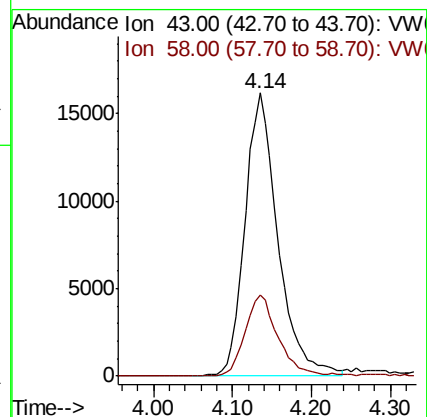
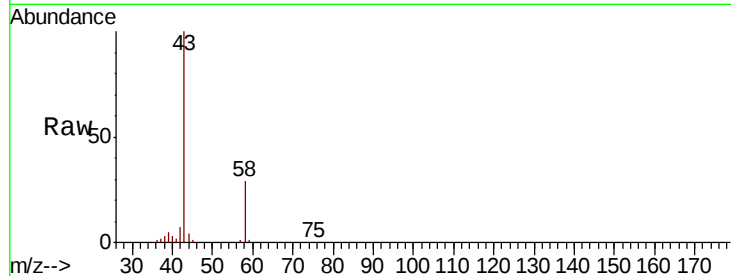
2S-H1-(0-1)

Tgt Ion: 43 Resp: 47019

Ion Ratio Lower Upper

43 100

58 28.7 22.3 33.5



#20

Methylene Chloride

Concen: 6.748 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Tgt Ion: 84 Resp: 17791

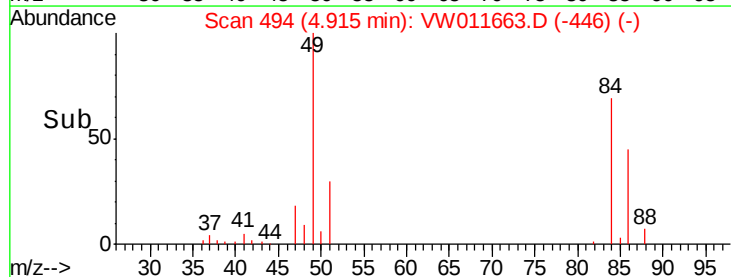
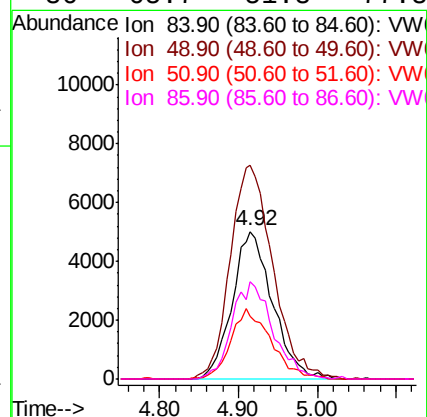
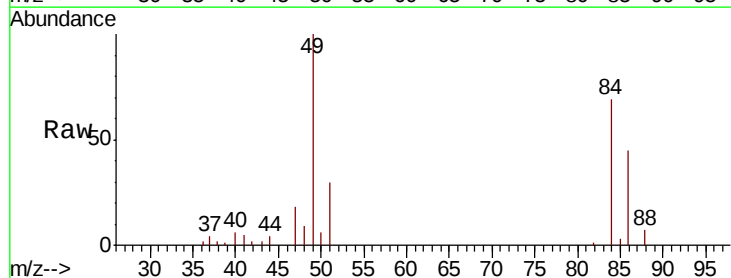
Ion Ratio Lower Upper

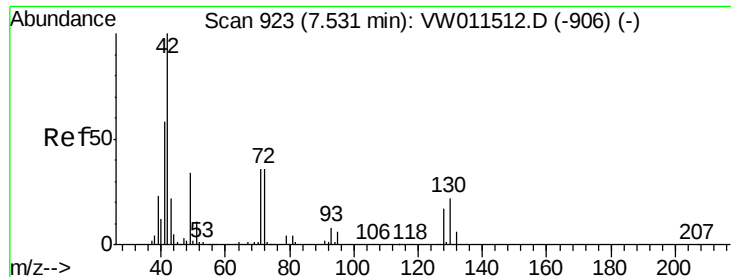
84 100

49 144.5 117.8 176.6

51 42.8 37.0 55.4

86 65.7 51.8 77.8





#29

Tetrahydrofuran

Concen: 1.198 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

2S-H1-(0-1)

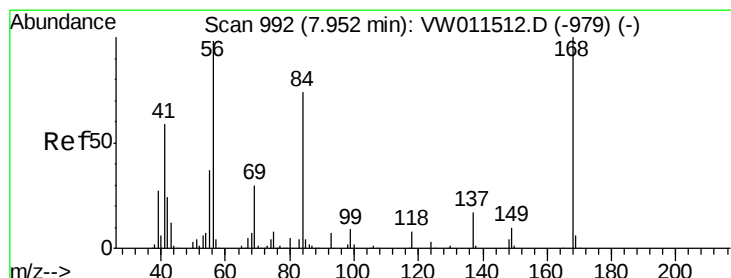
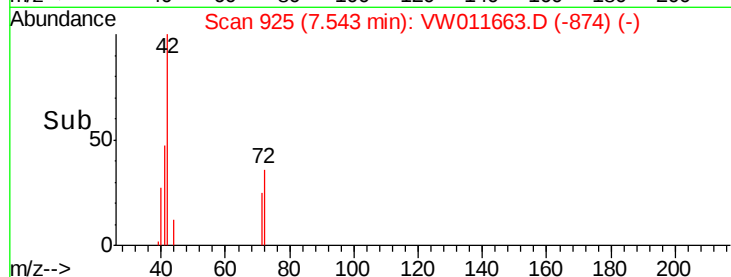
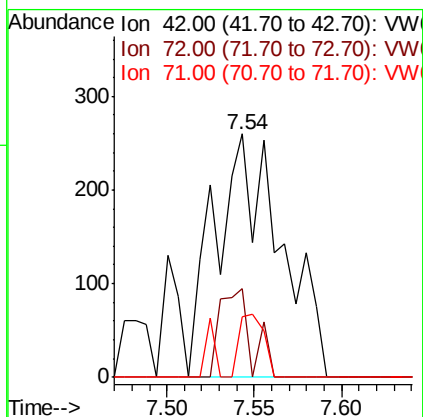
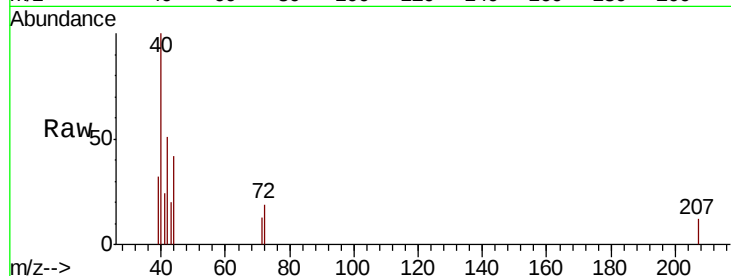
Tgt Ion: 42 Resp: 685

Ion Ratio Lower Upper

42 100

72 17.1 27.1 40.7#

71 9.8 26.2 39.4#



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

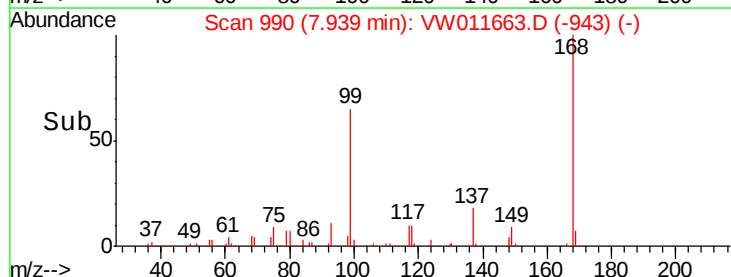
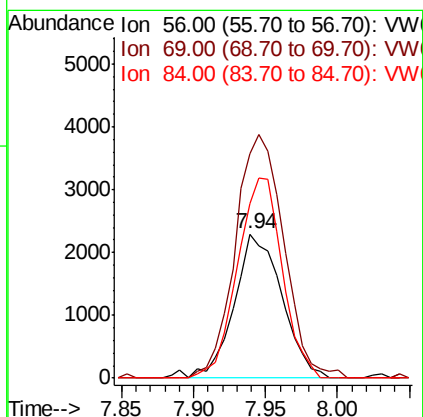
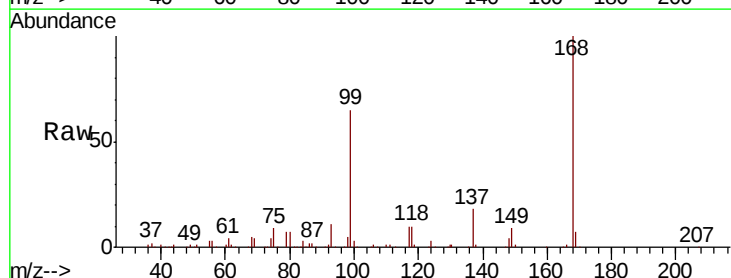
Tgt Ion: 56 Resp: 5260

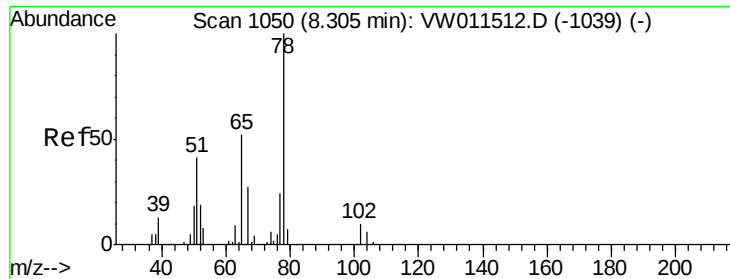
Ion Ratio Lower Upper

56 100

69 155.6 24.3 36.5#

84 121.0 60.4 90.6#

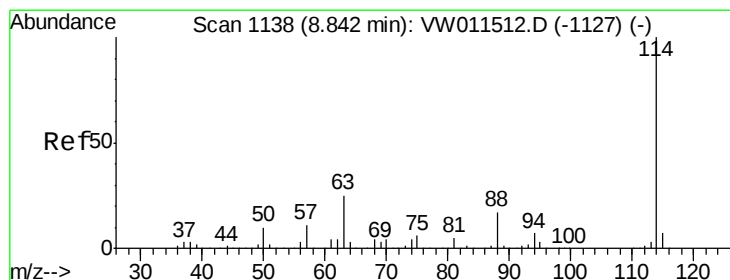
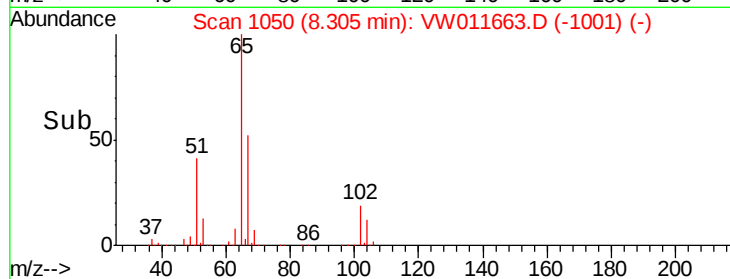
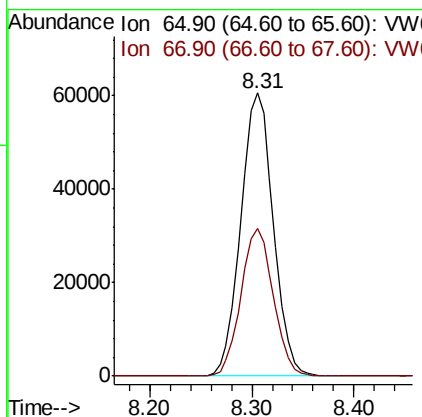
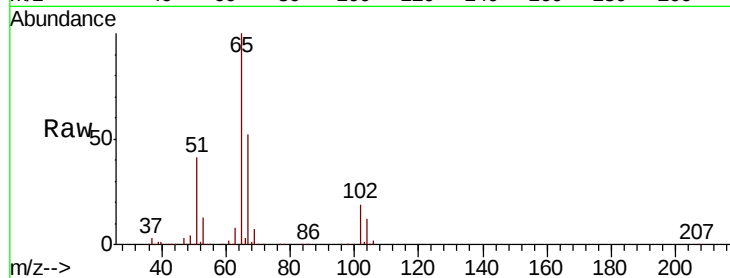




#33
 1,2-Dichloroethane-d4
 Concen: 55.871 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011663.D
 Acq: 03 Aug 2019 14:05

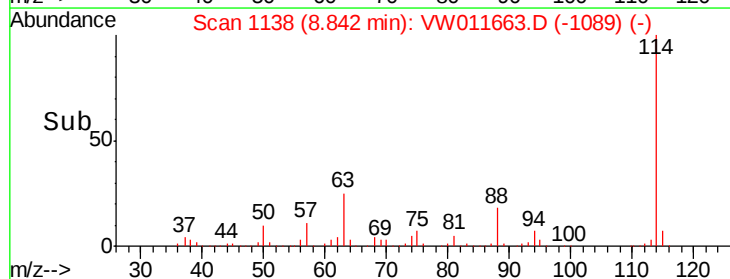
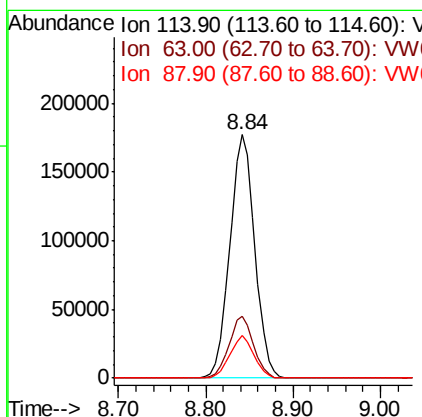
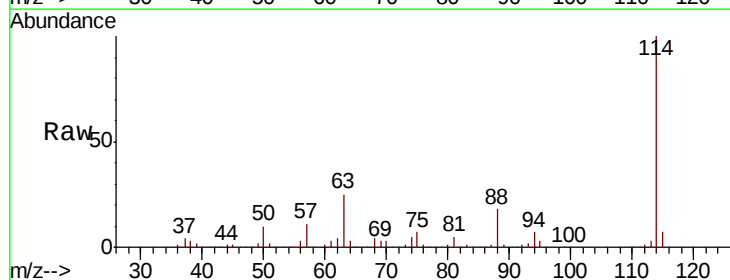
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H1-(0-1)

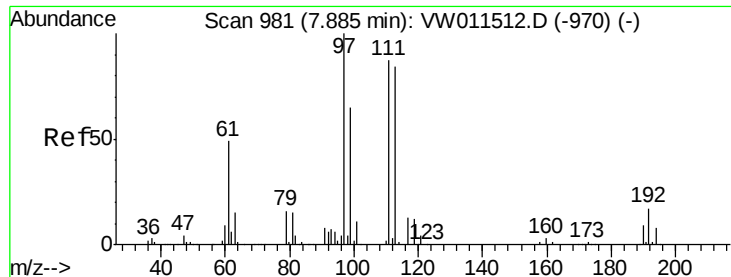
Tgt Ion: 65 Resp: 134277
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011663.D
 Acq: 03 Aug 2019 14:05

Tgt Ion: 114 Resp: 349358
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 17.6 0.0 33.8

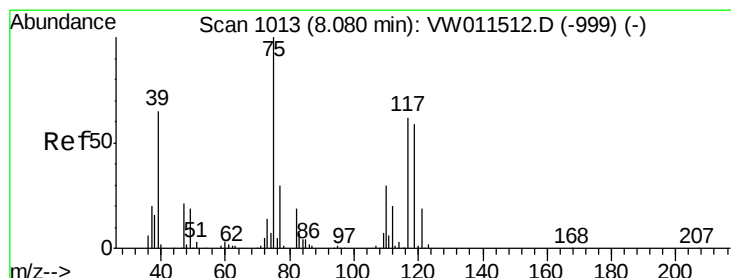
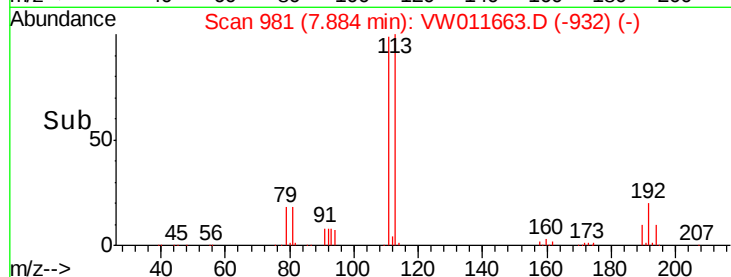
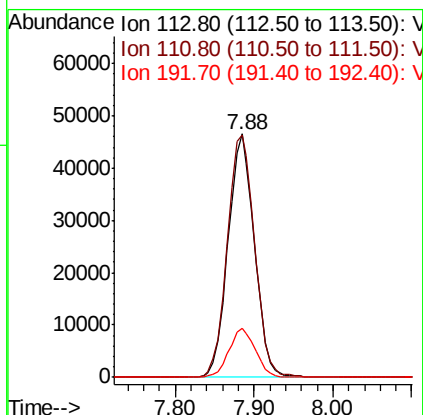
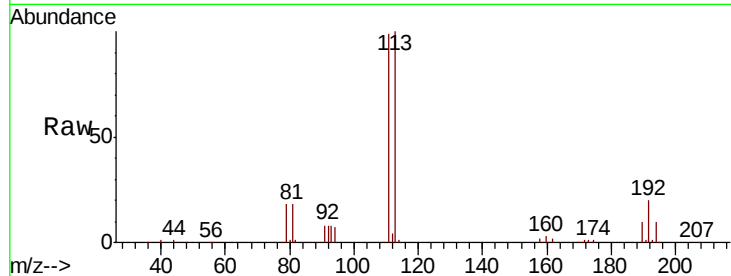




#35
 Dibromofluoromethane
 Concen: 54.883 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011663.D
 Acq: 03 Aug 2019 14:05

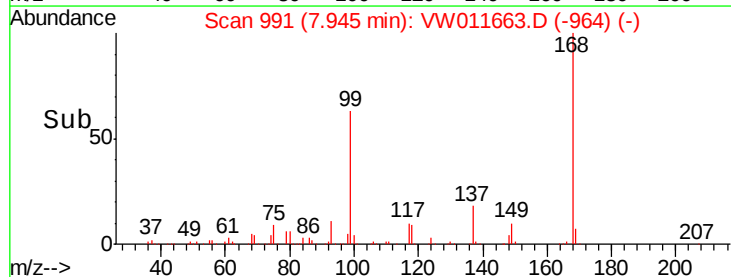
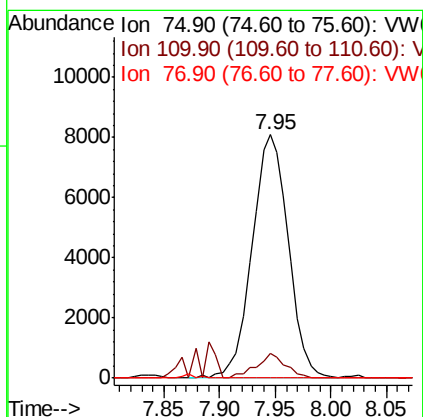
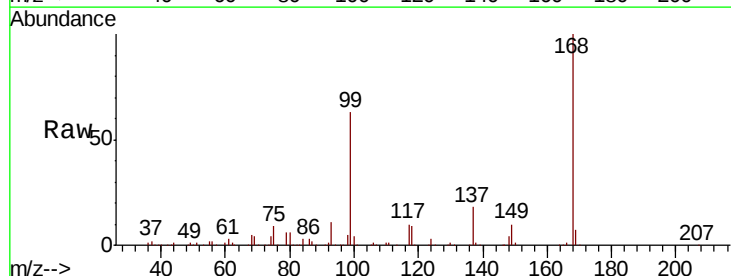
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H1-(0-1)

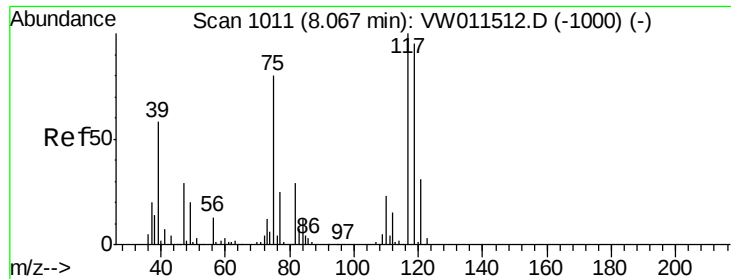
Tgt Ion: 113 Resp: 107568
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011663.D
 Acq: 03 Aug 2019 14:05

Tgt Ion: 75 Resp: 18307
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.0 24.3 36.5#

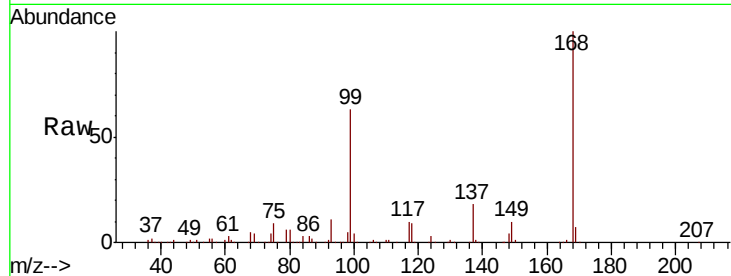




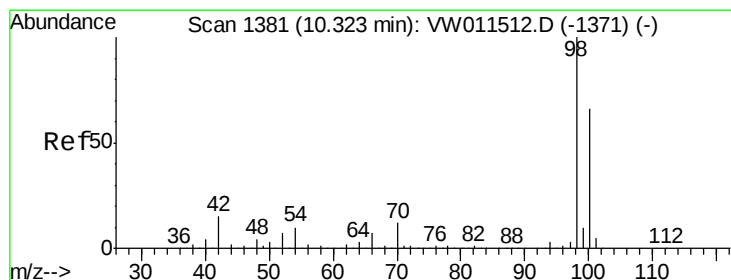
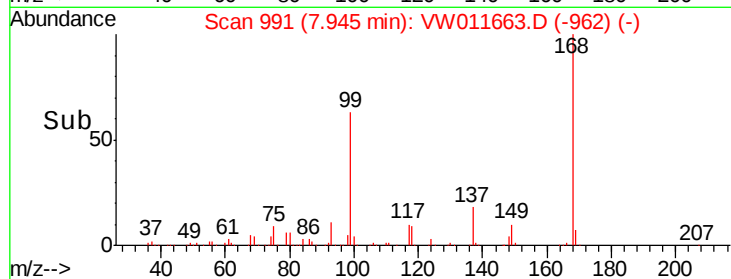
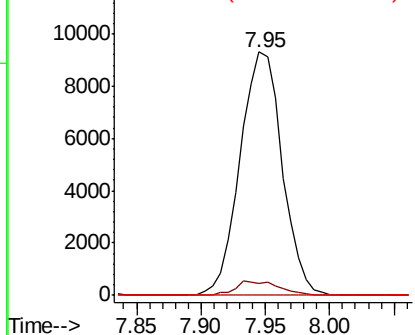
#38
Carbon Tetrachloride
Concen: 6.772 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011663.D
Acq: 03 Aug 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
2S-H1-(0-1)

Tgt Ion:117 Resp: 21060
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.7 37.1#

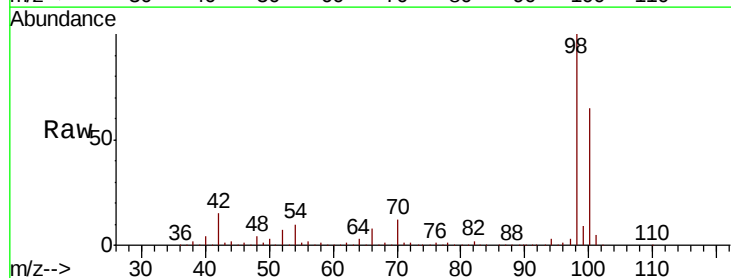


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

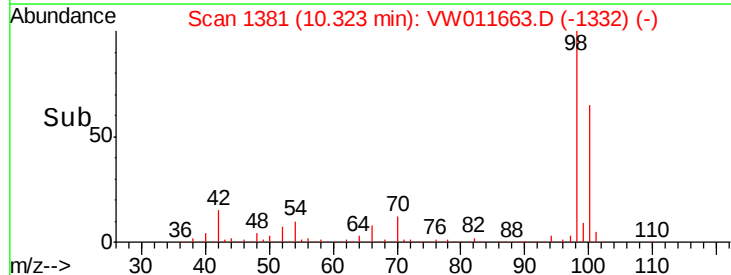
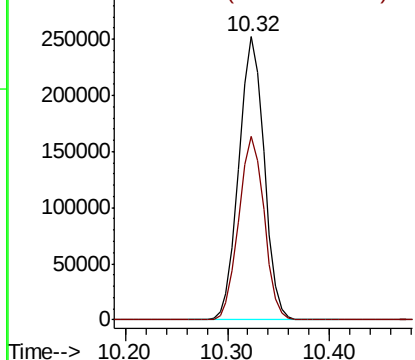


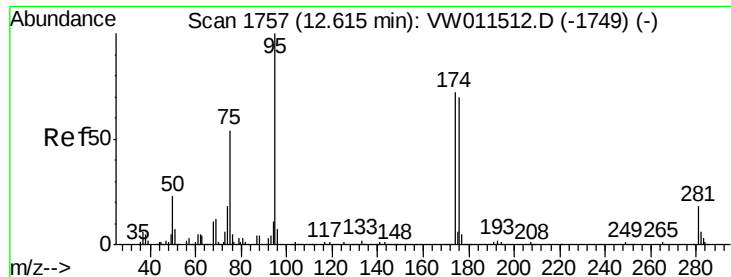
#50
Toluene-d8
Concen: 53.926 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011663.D
Acq: 03 Aug 2019 14:05

Tgt Ion: 98 Resp: 432737
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.589 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

2S-H1-(0-1)

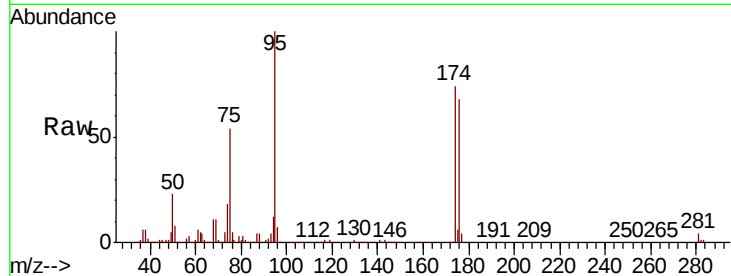
Tgt Ion: 95 Resp: 130429

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

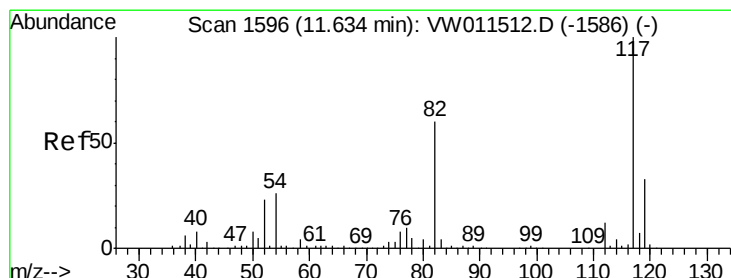
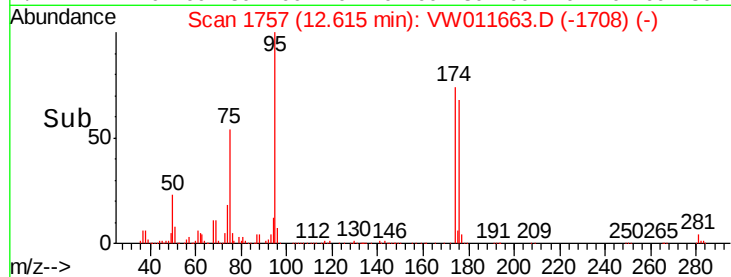
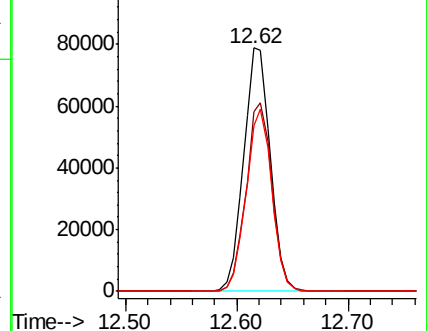
176 72.4 0.0 144.4



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# 1596

Delta R.T. -0.00 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

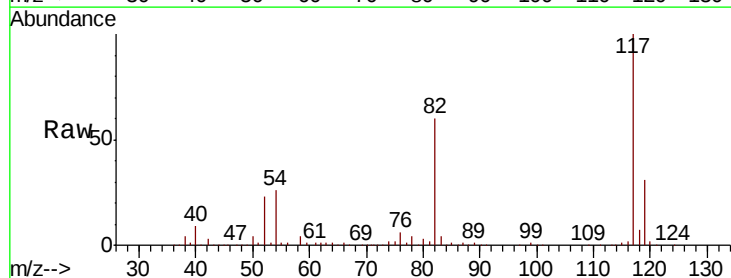
Tgt Ion: 117 Resp: 288501

Ion Ratio Lower Upper

117 100

82 59.8 47.9 71.9

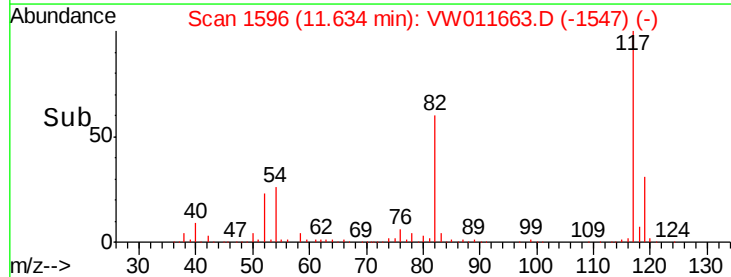
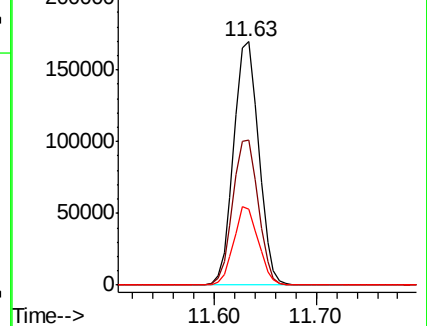
119 31.1 26.2 39.2

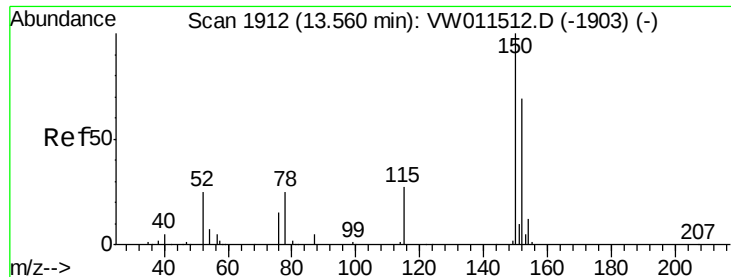


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011663.D

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Instrument :

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ClientSampleId :

2S-H1-(0-1)

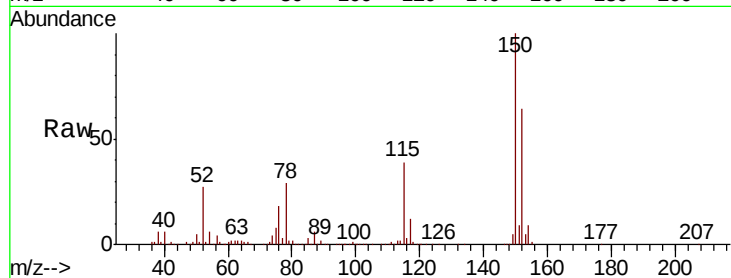
Tgt Ion: 152 Resp: 105978

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

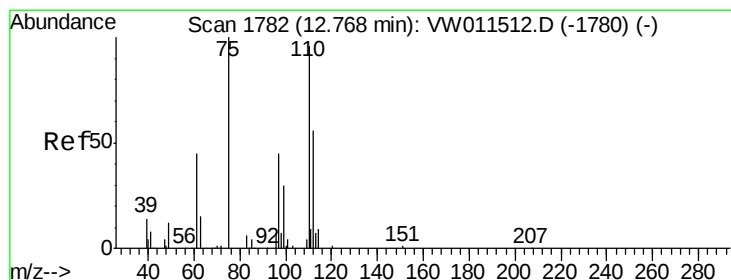
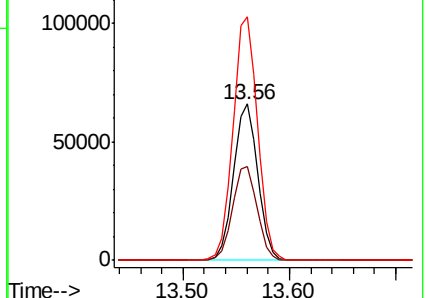
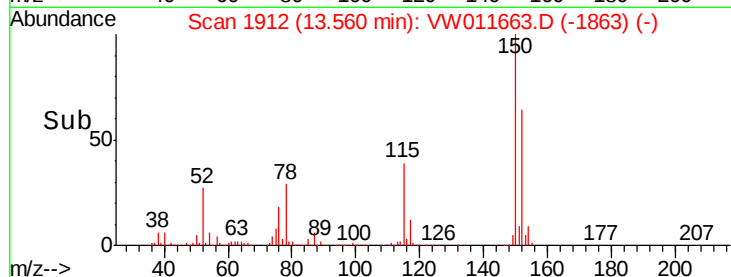
150 156.9 0.0 352.6



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: 61.861 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011663.D

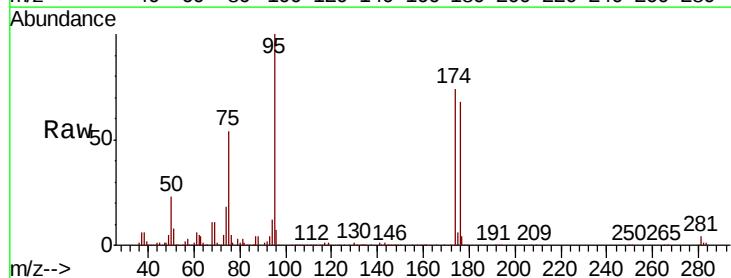
Acq: 03 Aug 2019 14:05

Tgt Ion: 75 Resp: 69369

Ion Ratio Lower Upper

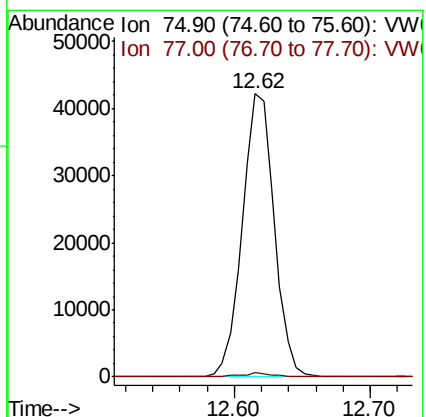
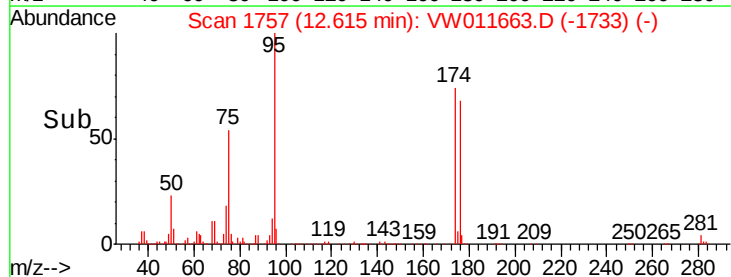
75 100

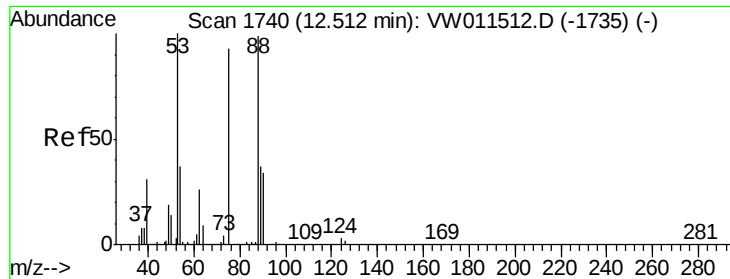
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 142.568 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Instrument :

MSVOA_W

ClientSampled :

2S-H1-(0-1)

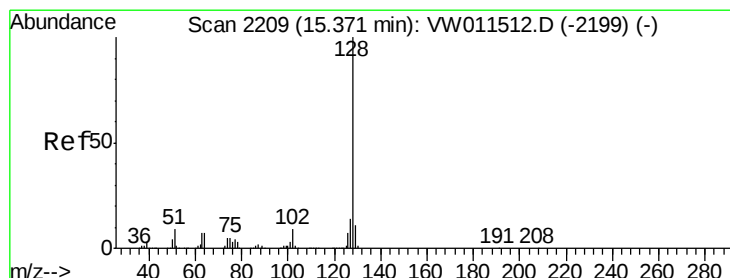
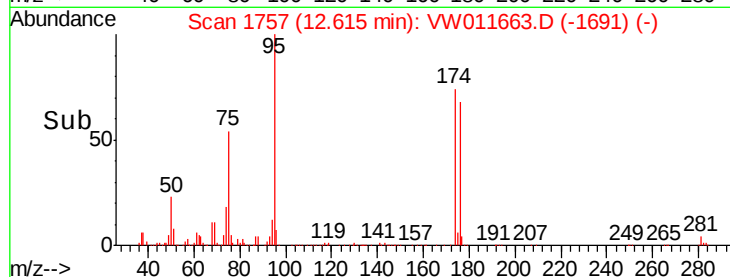
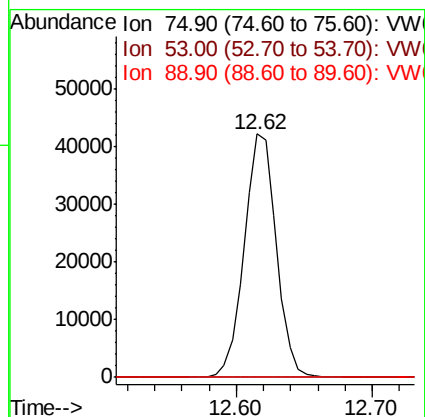
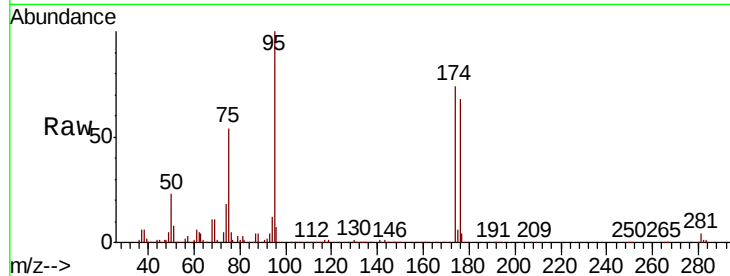
Tgt Ion: 75 Resp: 69369

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.225 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011663.D

Acq: 03 Aug 2019 14:05

Tgt Ion: 128 Resp: 696

Ion Ratio Lower Upper

128 100

127 6.2 10.6 16.0#

129 0.0 8.6 13.0#

