

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011671.D
 Acq On : 03 Aug 2019 17:30
 Operator : SY/VA
 Sample : K4152-12
 Misc : 5.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E1-(0-1)

Quant Time: Aug 04 01:45:40 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	217624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	146267	58.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.06%	
35) Dibromofluoromethane	7.88	113	113475	54.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.26%	
50) Toluene-d8	10.32	98	454557	53.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	144989	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	

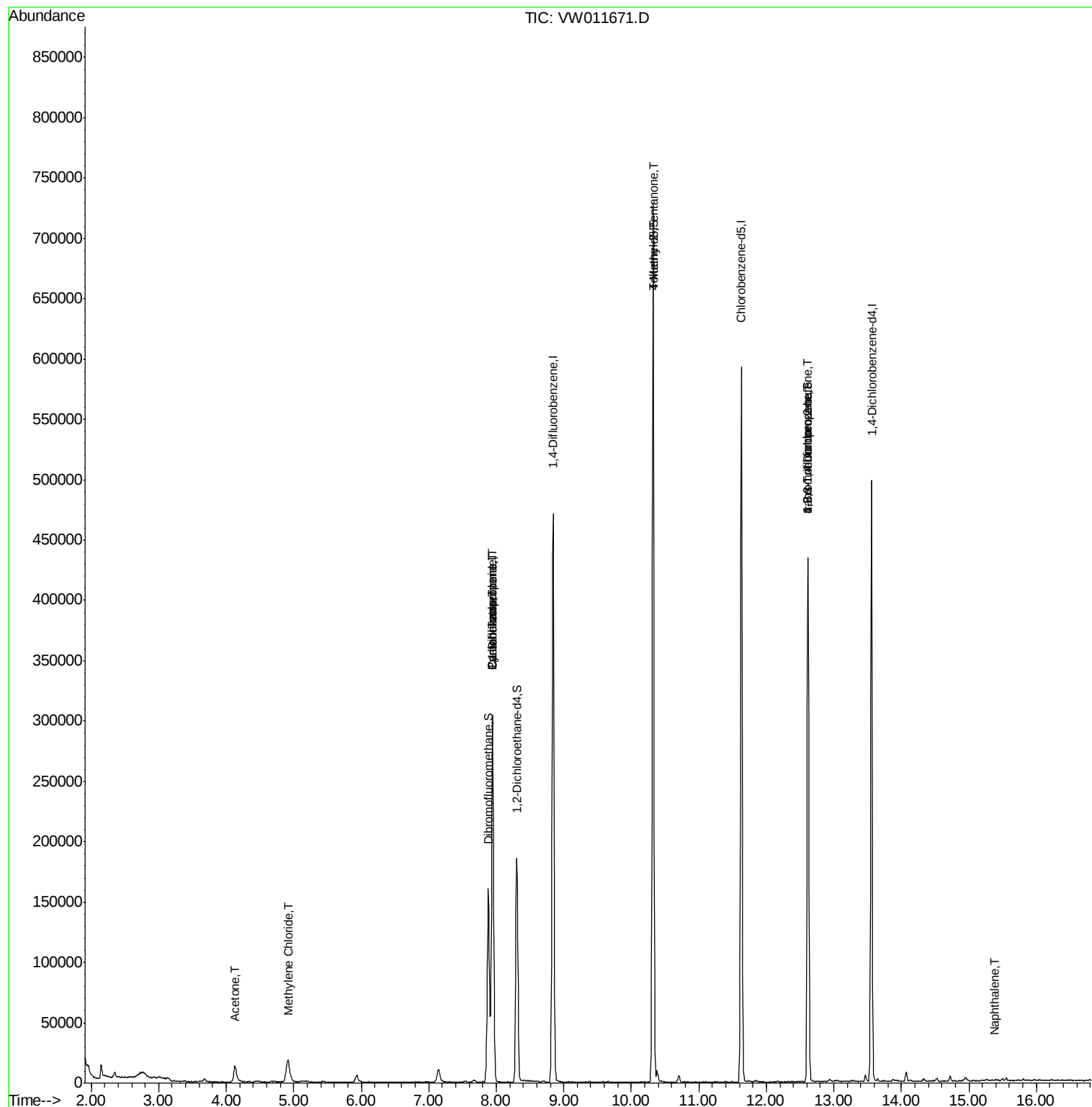
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	576	Below Cal	#	84
16) Acetone	4.13	43	27072	34.057	ug/l	93
20) Methylene Chloride	4.92	84	14571	5.315	ug/l	96
31) Cyclohexane	7.95	56	5439	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19262	5.003	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22571	6.848	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	3040	1.435	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76450	59.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76450	136.809	ug/l #	6
95) Naphthalene	15.38	128	341	2.134	ug/l #	69

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

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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# 991

Delta R.T. -0.00 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

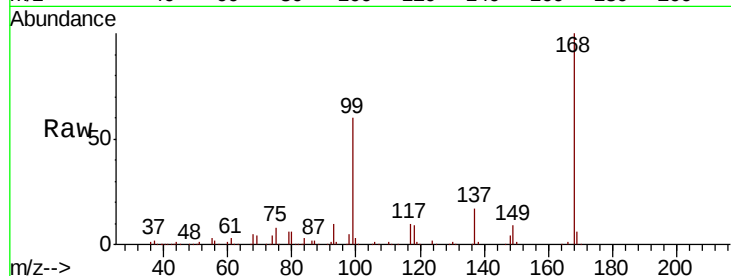
2S-E1-(0-1)

Tgt Ion:168 Resp: 217624

Ion Ratio Lower Upper

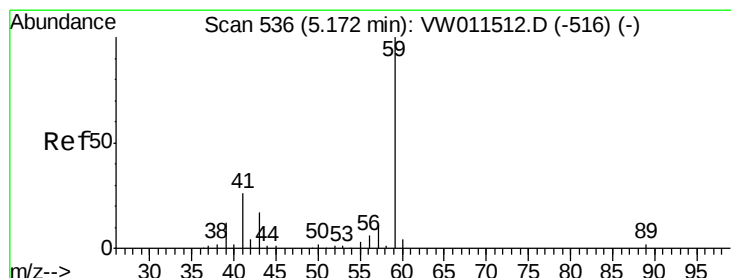
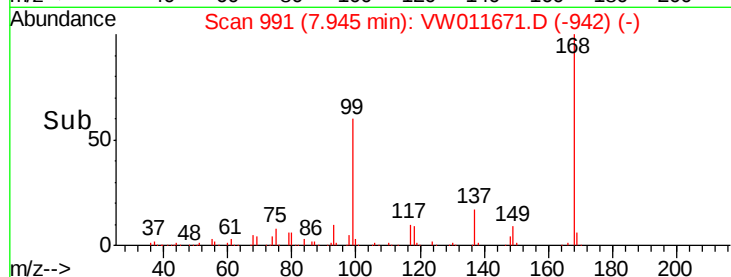
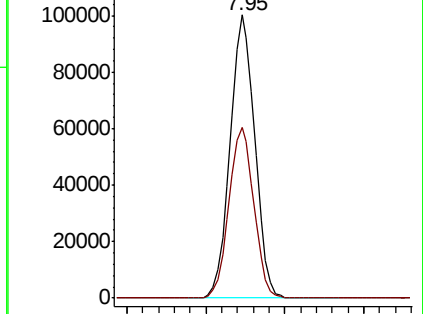
168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011671.D

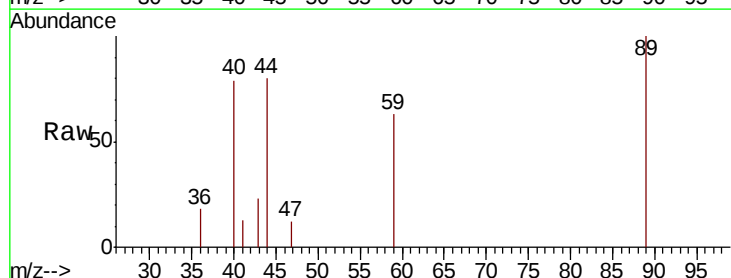
Acq: 03 Aug 2019 17:30

Tgt Ion: 59 Resp: 576

Ion Ratio Lower Upper

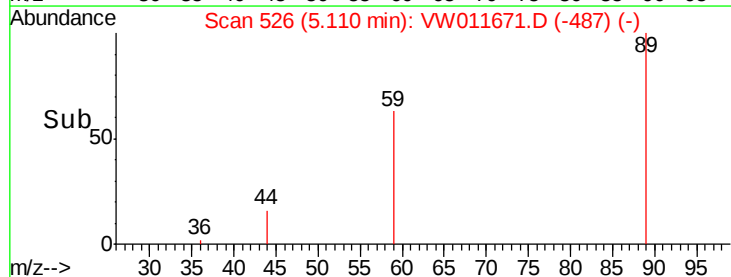
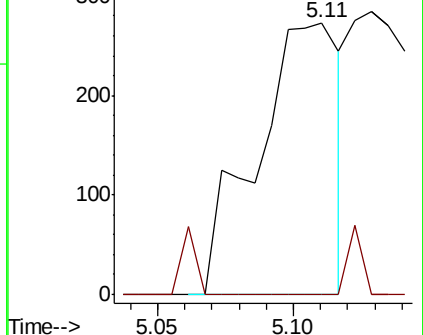
59 100

57 4.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 34.057 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

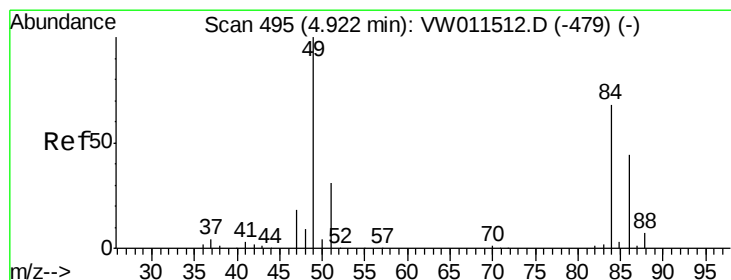
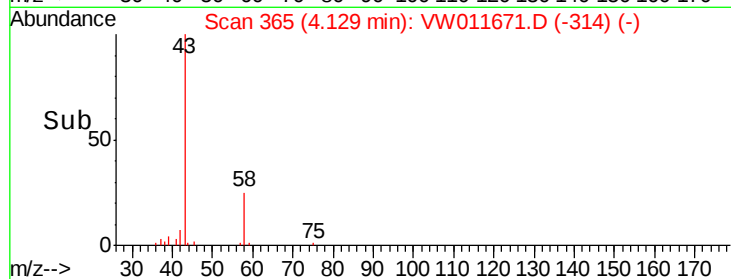
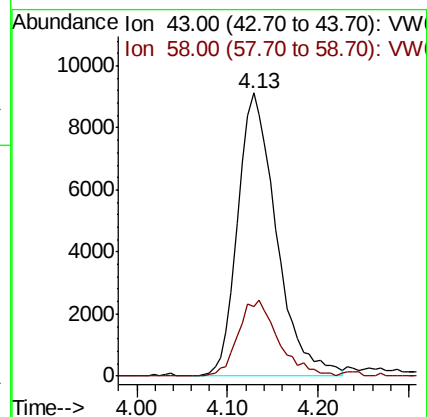
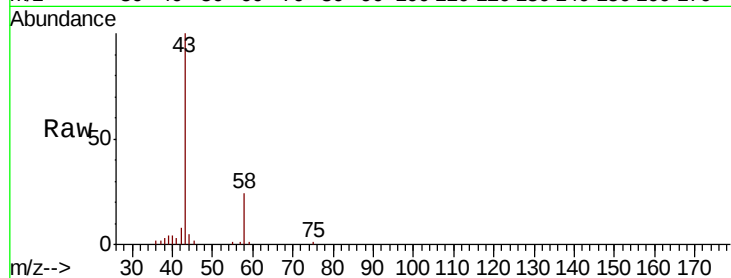
2S-E1-(0-1)

Tgt Ion: 43 Resp: 27072

Ion Ratio Lower Upper

43 100

58 24.4 22.3 33.5



#20

Methylene Chloride

Concen: 5.315 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Tgt Ion: 84 Resp: 14571

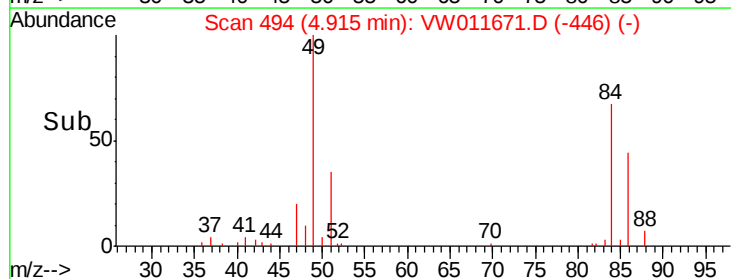
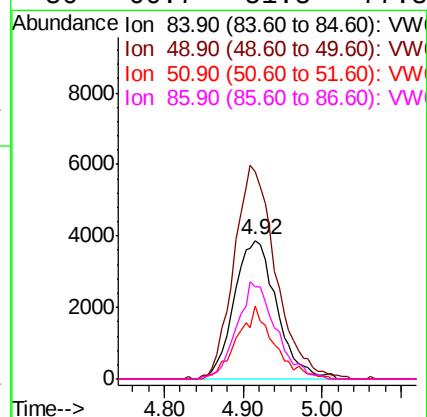
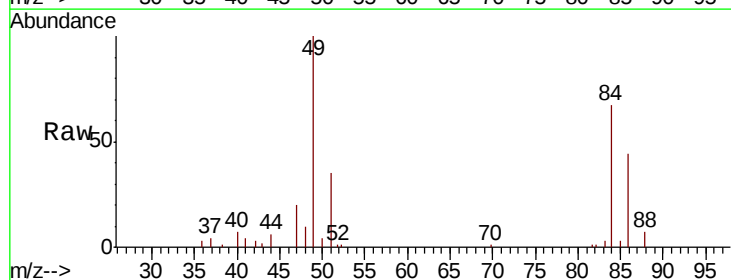
Ion Ratio Lower Upper

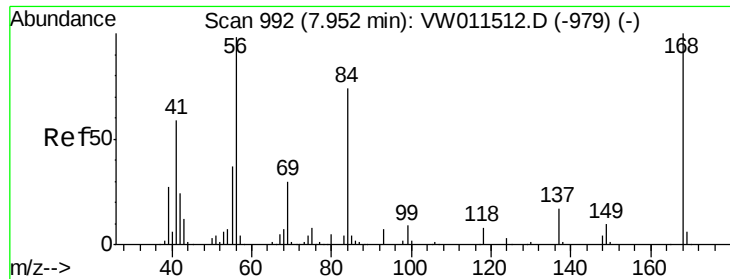
84 100

49 149.9 117.8 176.6

51 52.8 37.0 55.4

86 66.7 51.8 77.8

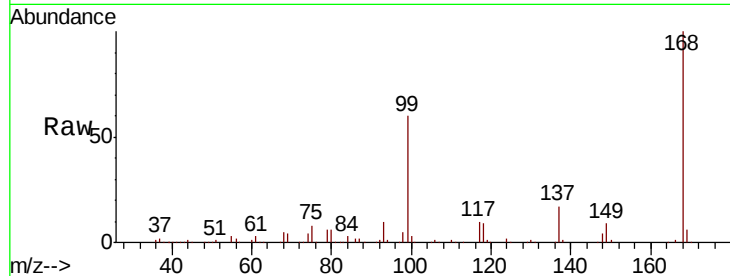




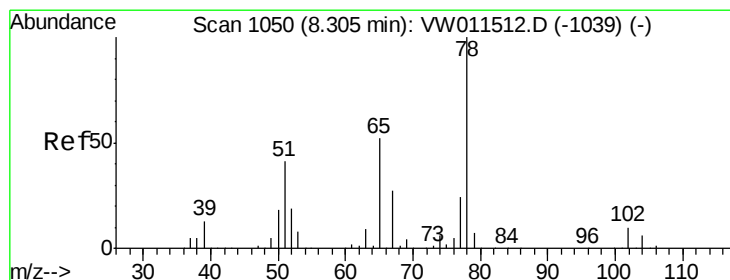
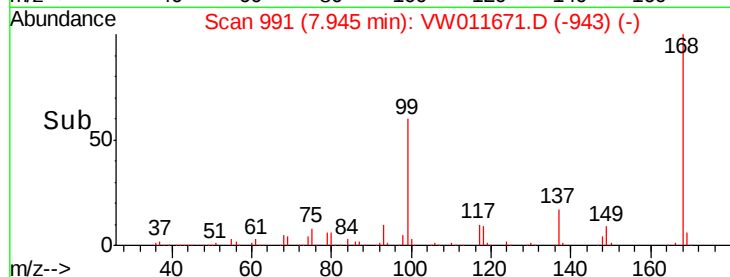
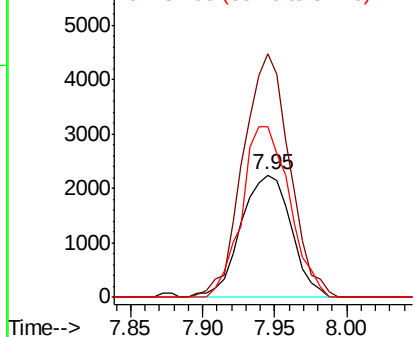
#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011671.D
Acq: 03 Aug 2019 17:30

Instrument :
MSVOA_W
ClientSampled :
2S-E1-(0-1)

Tgt Ion: 56 Resp: 5439
Ion Ratio Lower Upper
56 100
69 199.4 24.3 36.5#
84 139.5 60.4 90.6#

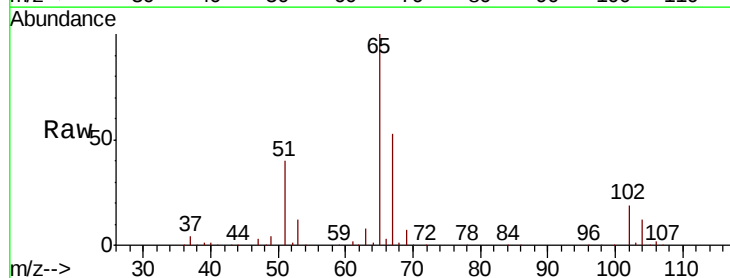


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

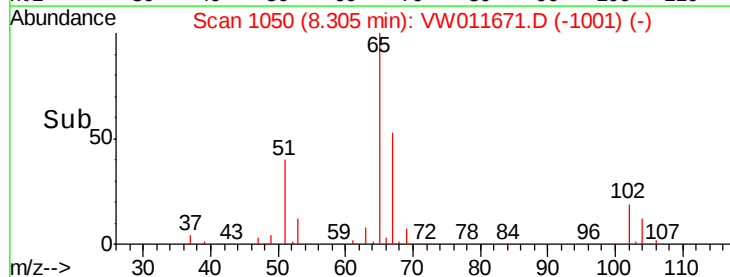
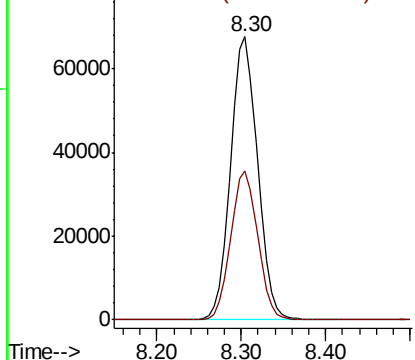


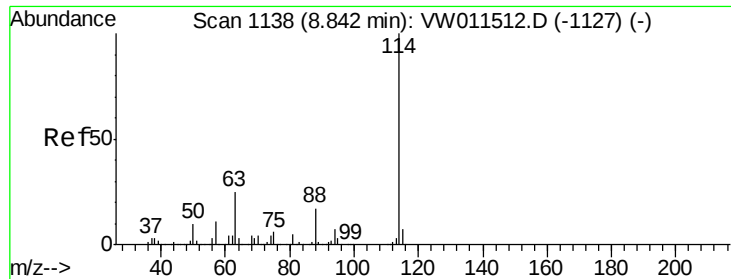
#33
1,2-Dichloroethane-d4
Concen: 58.532 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011671.D
Acq: 03 Aug 2019 17:30

Tgt Ion: 65 Resp: 146267
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2



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

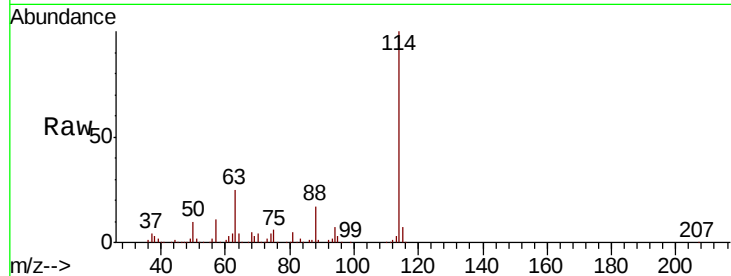




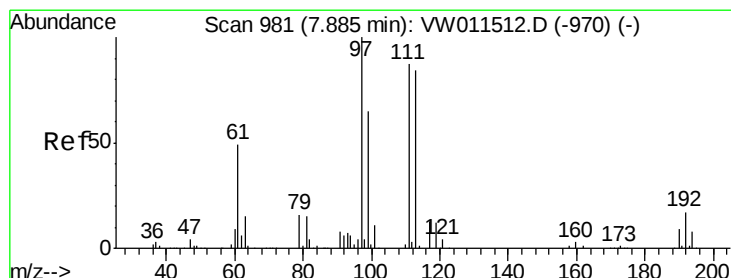
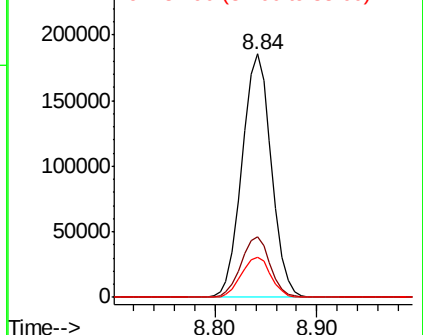
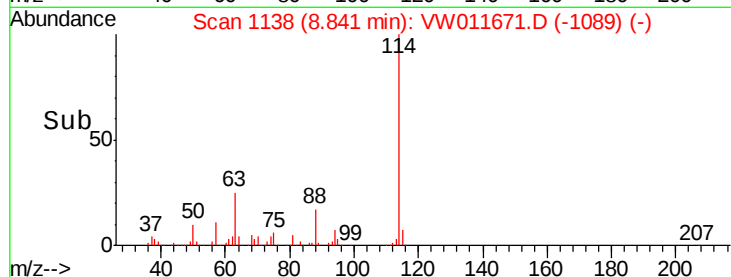
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011671.D
 Acq: 03 Aug 2019 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E1-(0-1)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.6	0.0	33.8

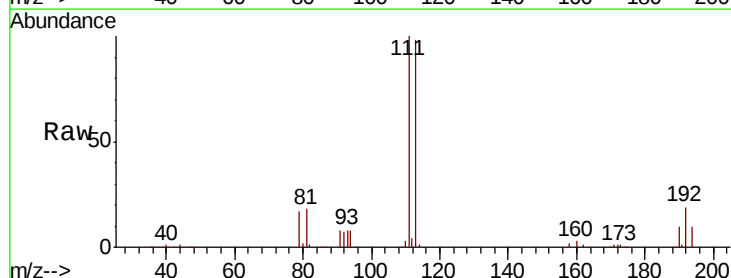


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

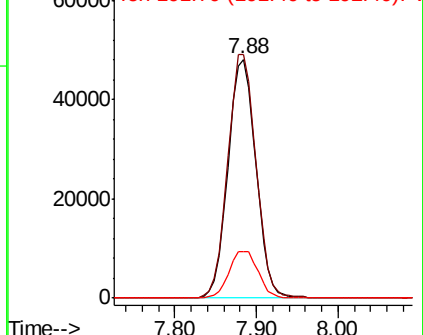
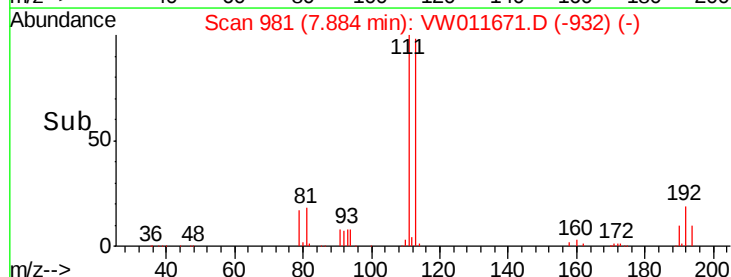


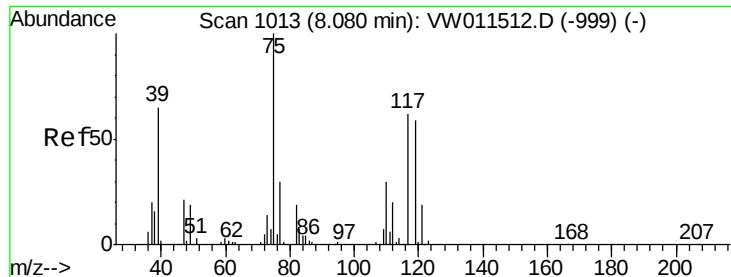
#35
 Dibromofluoromethane
 Concen: 54.630 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011671.D
 Acq: 03 Aug 2019 17:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.5	16.1	24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

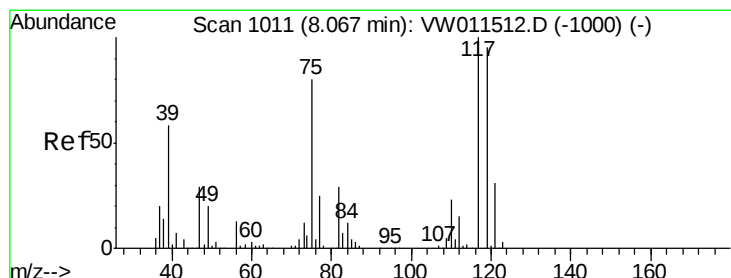
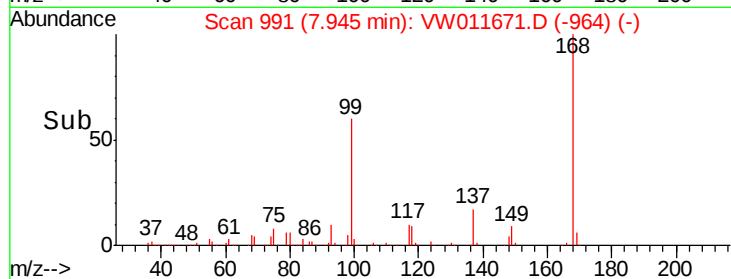
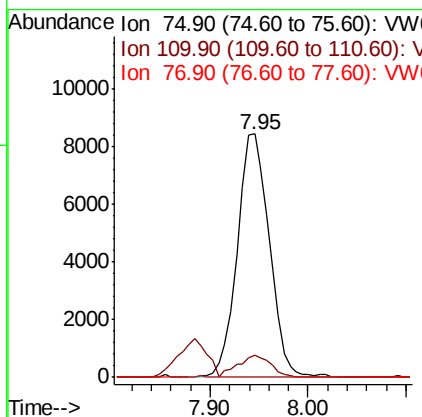
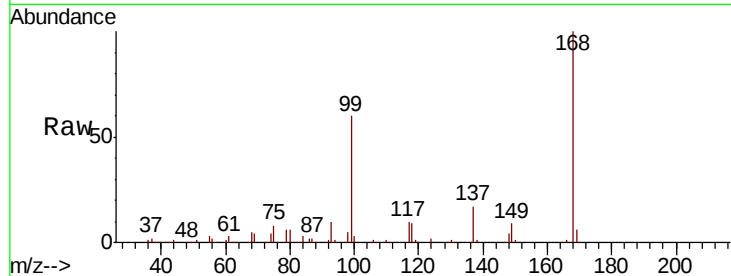




#36
 1,1-Dichloropropene
 Concen: 5.003 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011671.D
 Acq: 03 Aug 2019 17:30

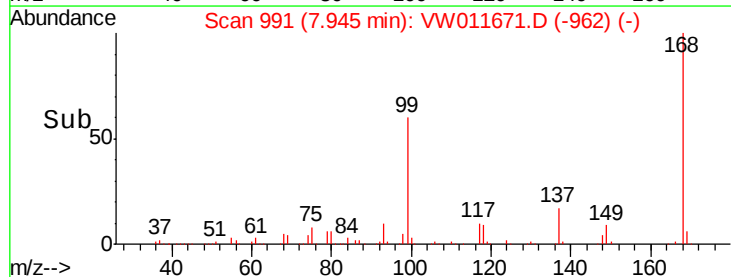
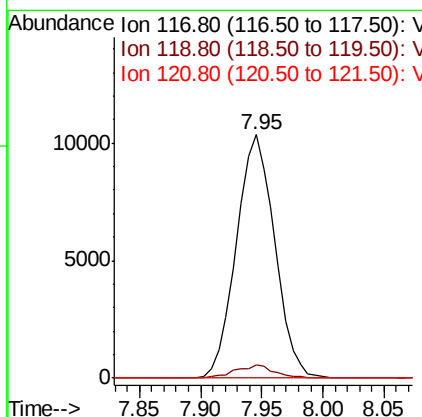
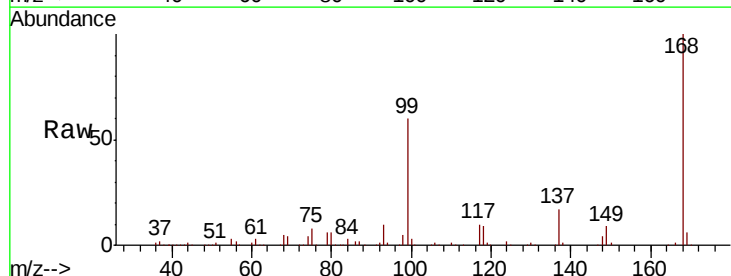
Instrument :
 MSVOA_W
 ClientSampled :
 2S-E1-(0-1)

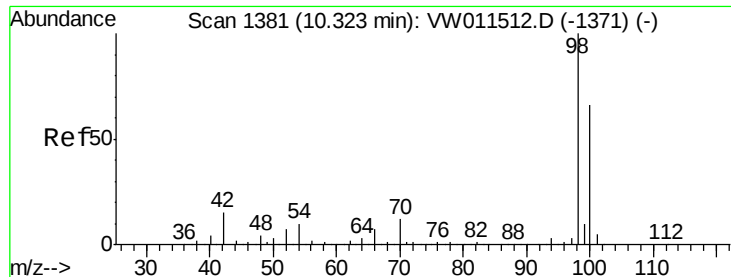
Tgt Ion: 75 Resp: 19262
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.848 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011671.D
 Acq: 03 Aug 2019 17:30

Tgt Ion: 117 Resp: 22571
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.449 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

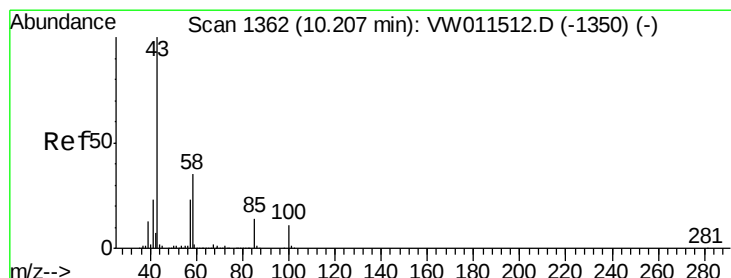
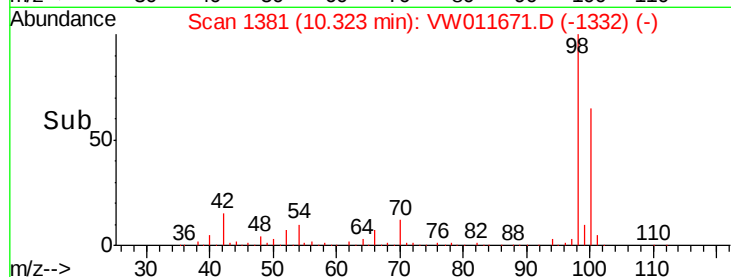
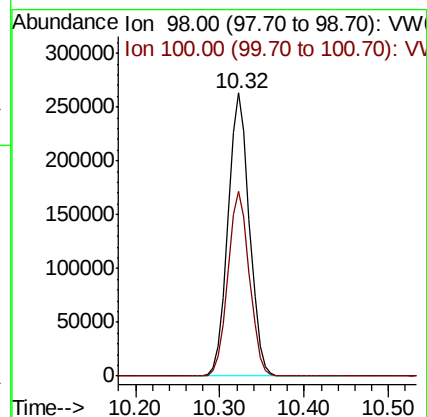
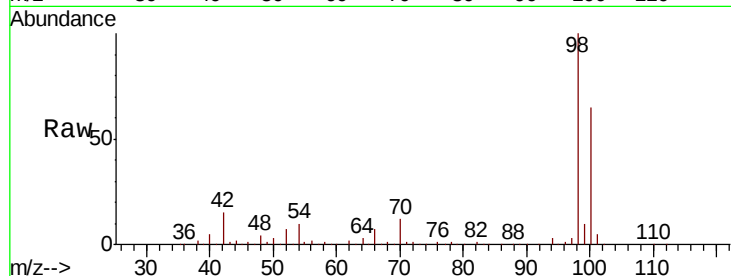
2S-E1-(0-1)

Tgt Ion: 98 Resp: 454557

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.435 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW011671.D

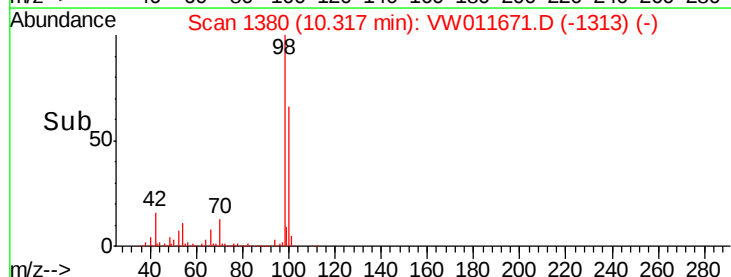
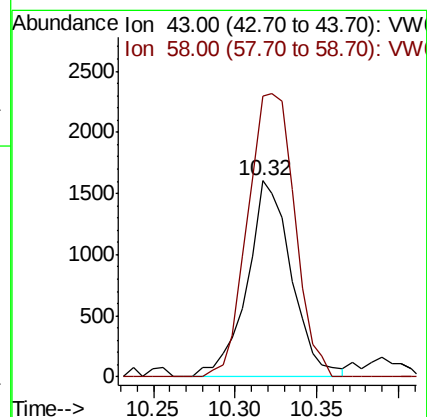
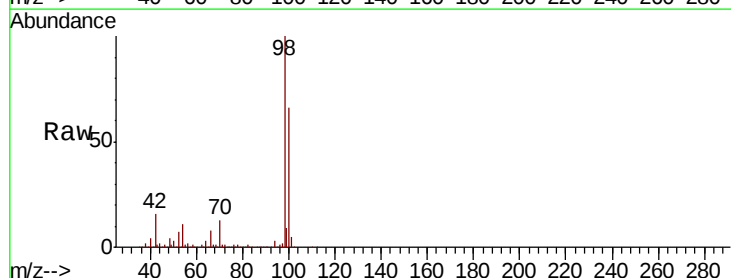
Acq: 03 Aug 2019 17:30

Tgt Ion: 43 Resp: 3040

Ion Ratio Lower Upper

43 100

58 152.3 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 47.819 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

2S-E1-(0-1)

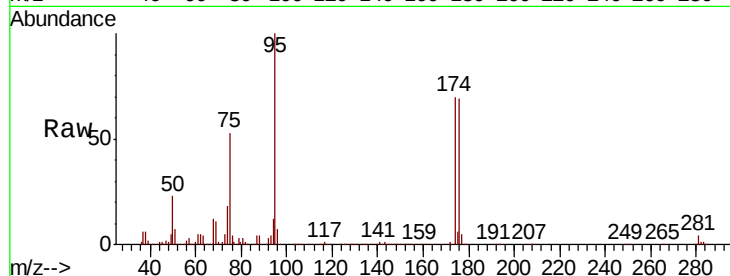
Tgt Ion: 95 Resp: 144989

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

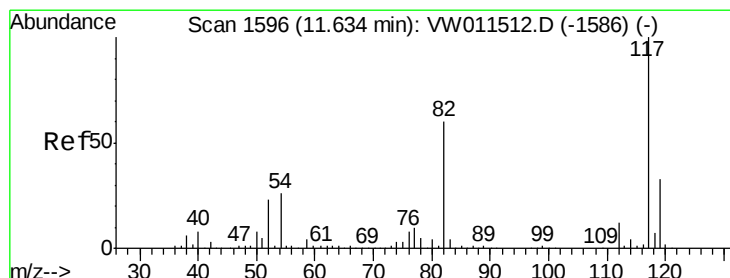
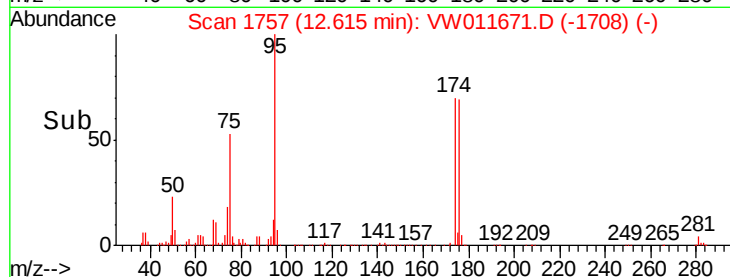
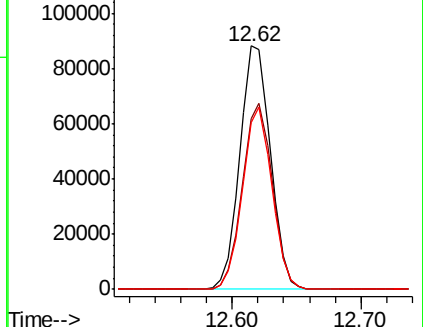
176 71.9 0.0 144.4



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: VW011671.D

Acq: 03 Aug 2019 17:30

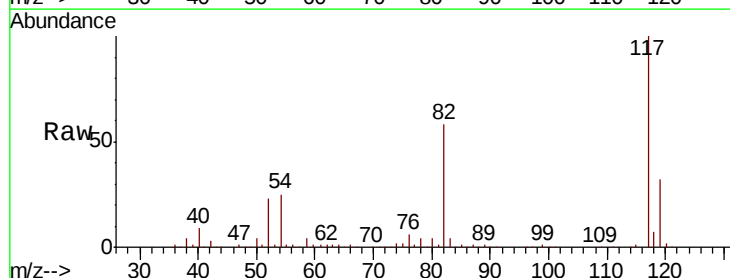
Tgt Ion: 117 Resp: 310439

Ion Ratio Lower Upper

117 100

82 58.1 47.9 71.9

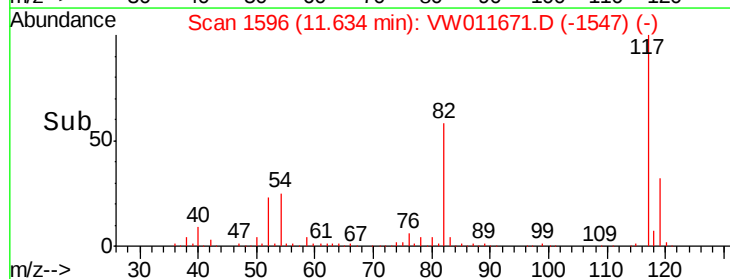
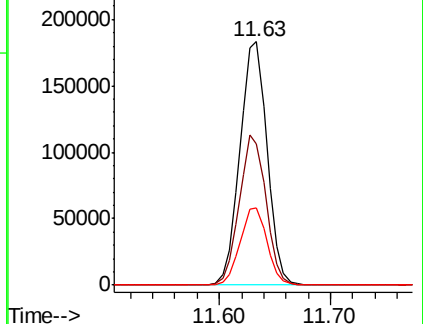
119 31.9 26.2 39.2

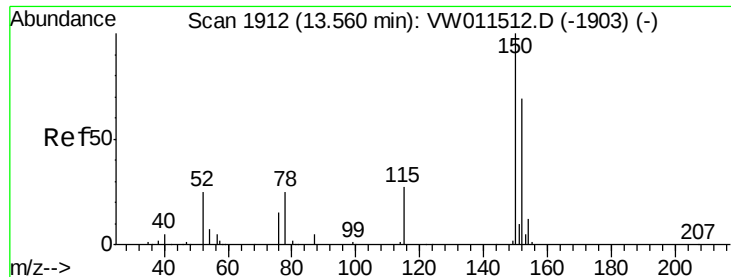


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011671.D

Acq: 03 Aug 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

2S-E1-(0-1)

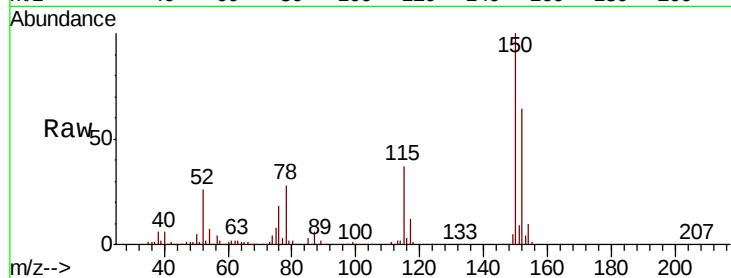
Tgt Ion:152 Resp: 121713

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

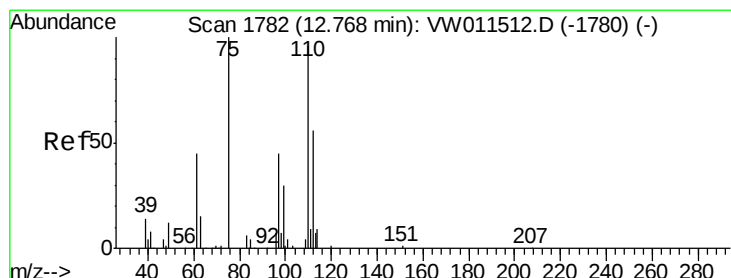
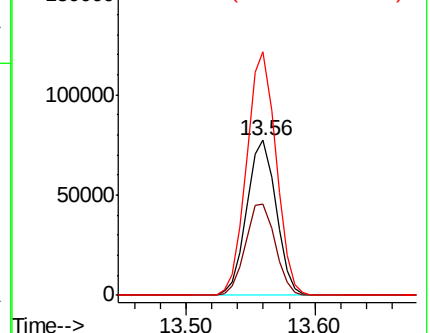
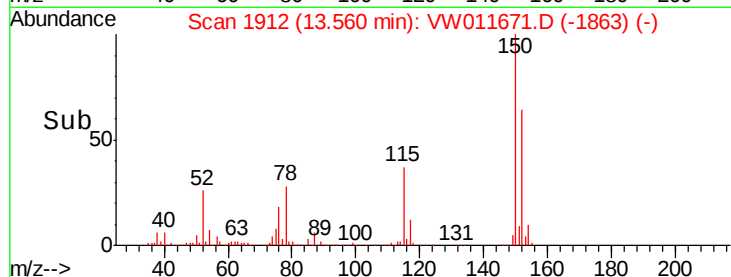
150 157.1 0.0 352.6



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: 59.362 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011671.D

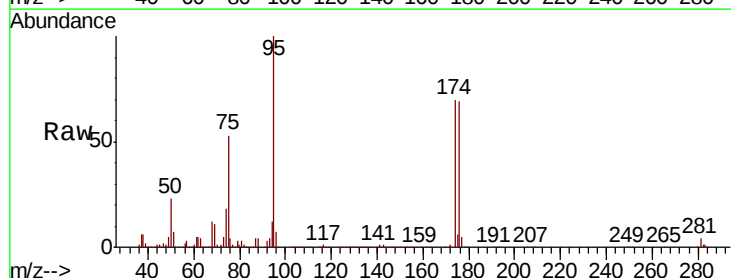
Acq: 03 Aug 2019 17:30

Tgt Ion: 75 Resp: 76450

Ion Ratio Lower Upper

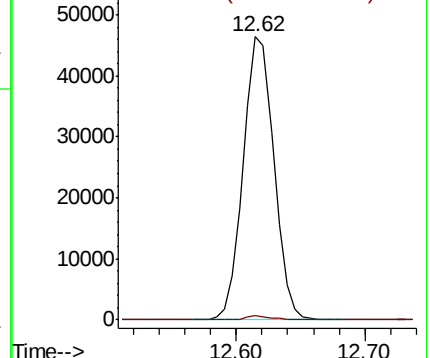
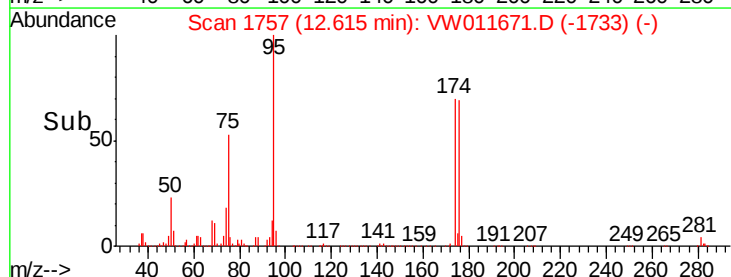
75 100

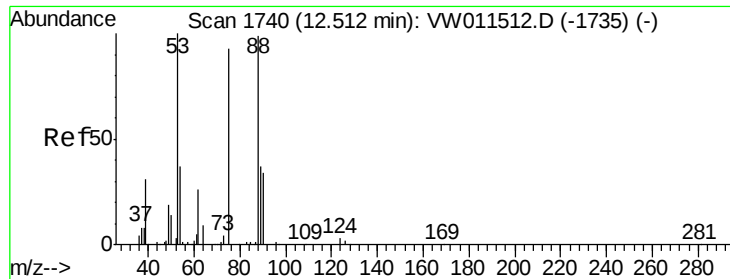
77 1.4 0.0 0.0#



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: 136.809 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

2S-E1-(0-1)

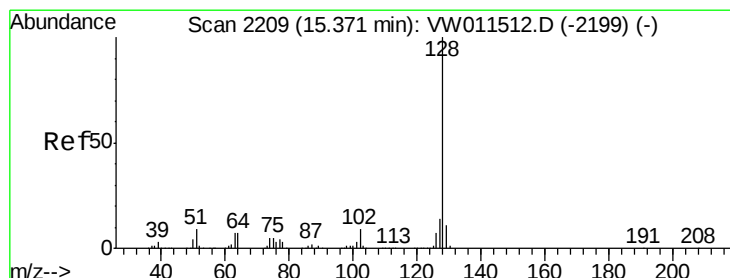
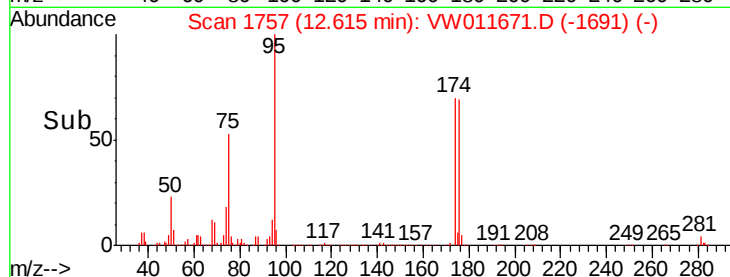
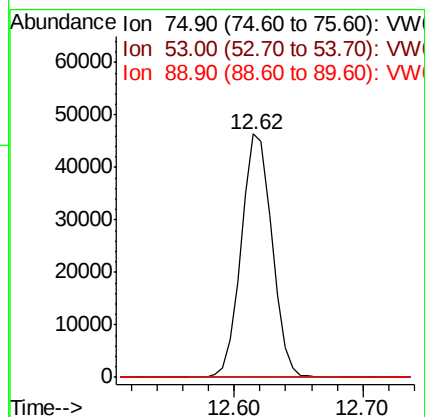
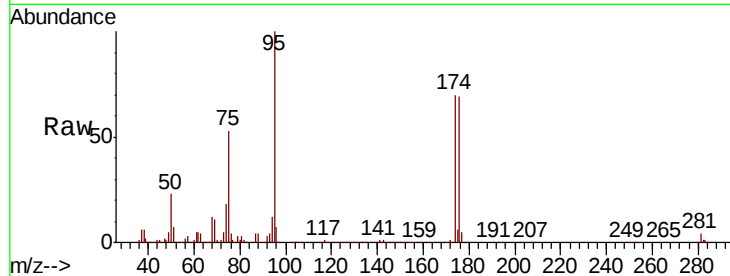
Tgt Ion: 75 Resp: 76450

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.2 35.3 52.9#



#95

Naphthalene

Concen: 2.134 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011671.D

Acq: 03 Aug 2019 17:30

Tgt Ion: 128 Resp: 341

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

