

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008128.D
 Acq On : 10 Jan 2019 04:05
 Operator : SY/AP
 Sample : K1082-07RE
 Misc : 6.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-4

Quant Time: Jan 10 06:03:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

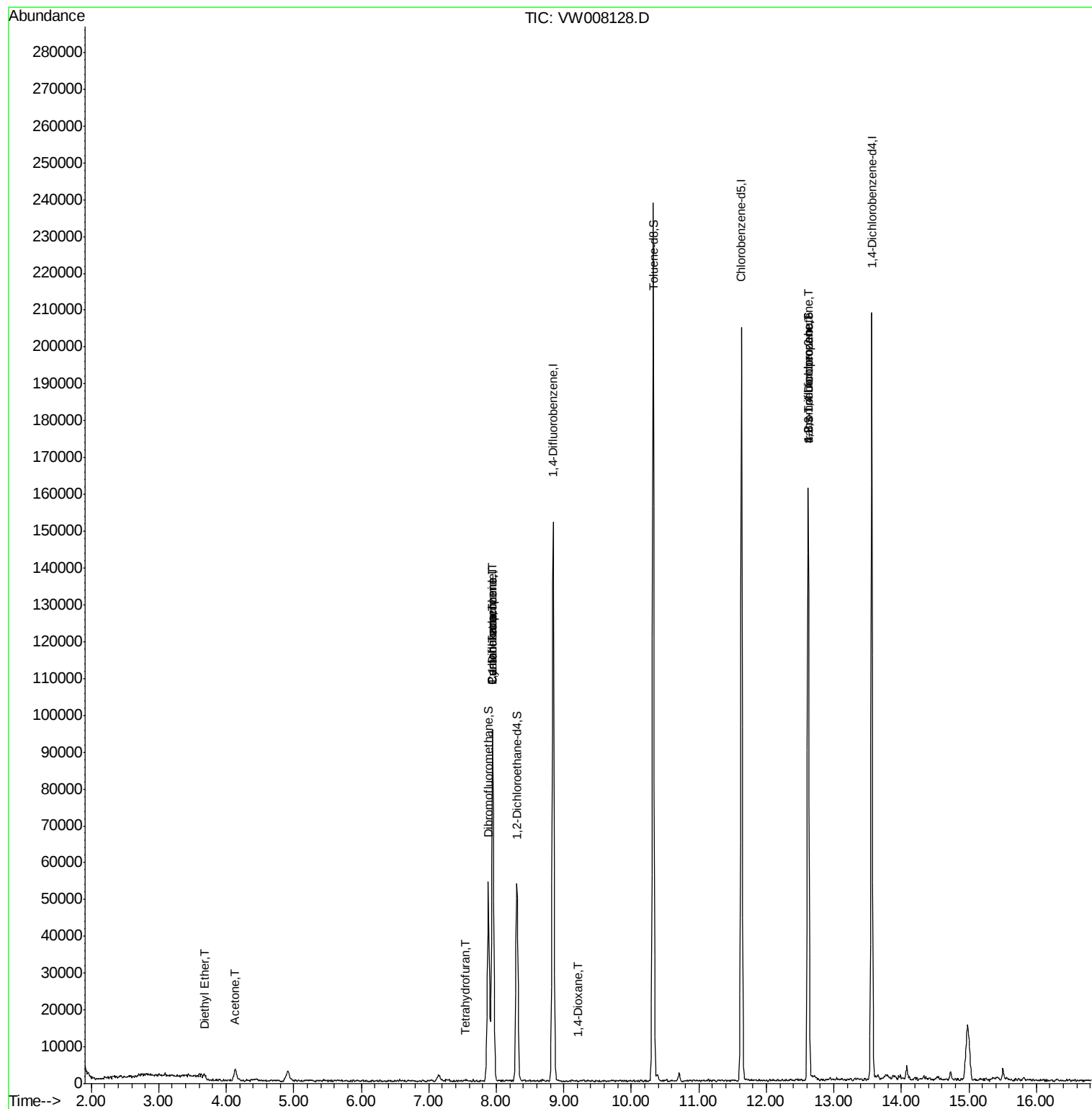
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	66408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48945	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	41410	55.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.96%	
35) Dibromofluoromethane	7.88	113	37520	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
50) Toluene-d8	10.32	98	154319	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.62	95	52473	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	774	1.835	ug/l	64
11) Tert butyl alcohol	5.23	59	56	Below Cal	#	100
13) Acrolein	3.89	56	41	Below Cal	#	70
16) Acetone	4.13	43	6036	26.045	ug/l	95
20) Methylene Chloride	4.90	84	2039	Below Cal	#	84
29) Tetrahydrofuran	7.53	42	170	1.226	ug/l #	35
31) Cyclohexane	7.95	56	1852	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	5672	4.509	ug/l #	51
38) Carbon Tetrachloride	7.95	117	6840	5.941	ug/l #	16
49) 1,4-Dioxane	9.21	88	19	2.844	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	26765	59.986	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	26765	139.689	ug/l #	10

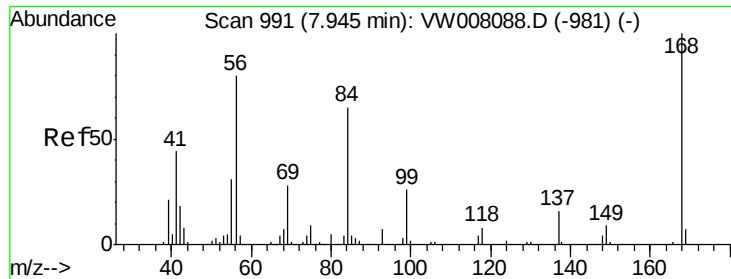
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
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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: VW008128.D

Acq: 10 Jan 2019 04:05

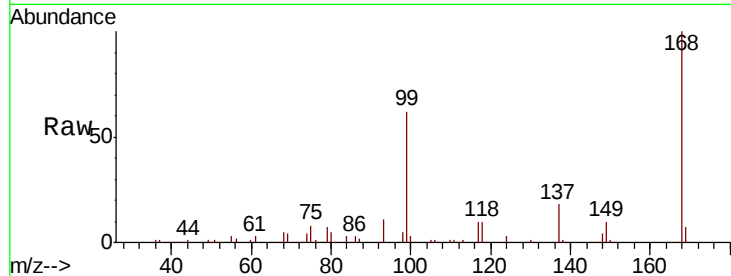
Instrument :
MSVOA_W
ClientSampleId :
SP-1-4

Tgt Ion:168 Resp: 66408

Ion Ratio Lower Upper

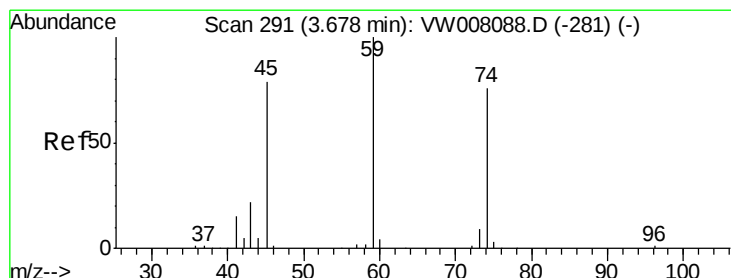
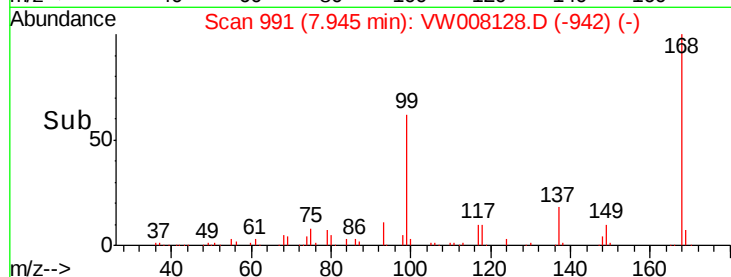
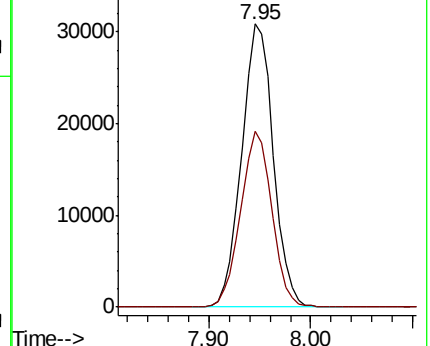
168 100

99 62.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.835 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW008128.D

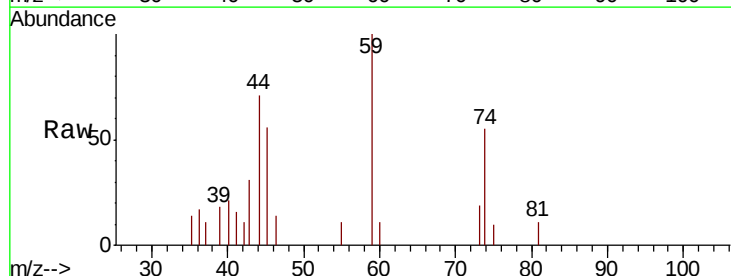
Acq: 10 Jan 2019 04:05

Tgt Ion: 74 Resp: 774

Ion Ratio Lower Upper

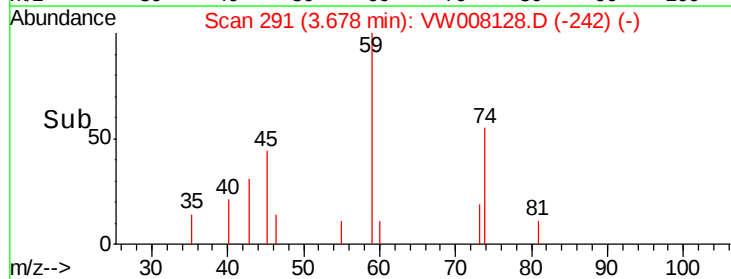
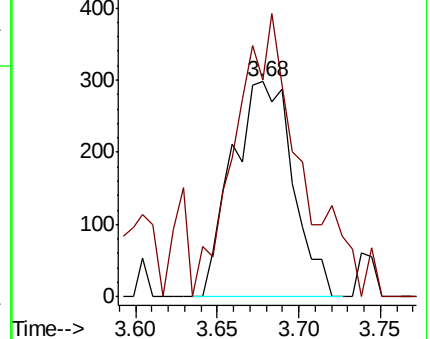
74 100

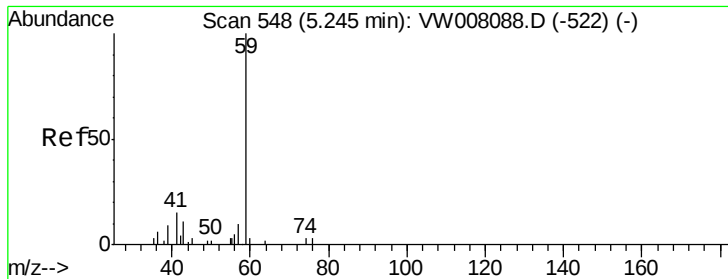
45 141.9 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

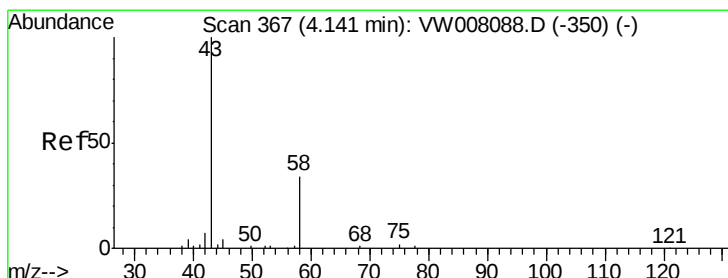
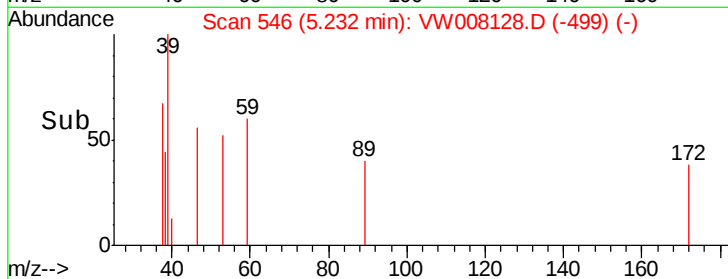
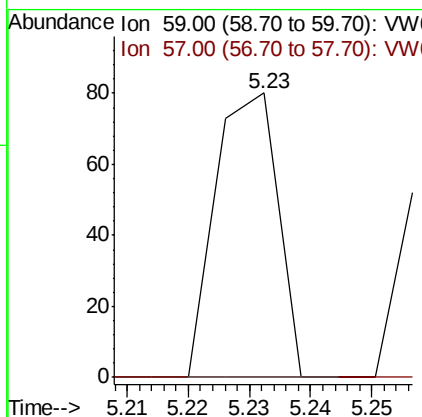
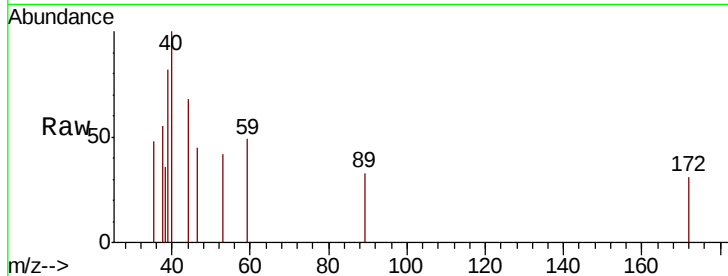




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW008128.D
Acq: 10 Jan 2019 04:05

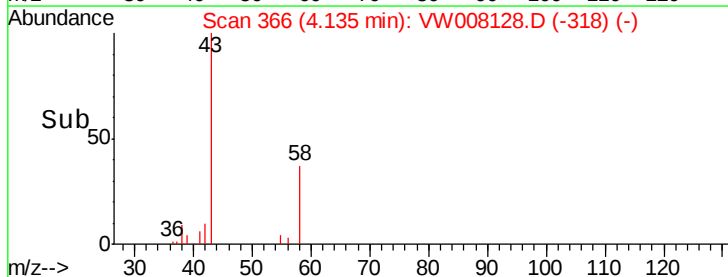
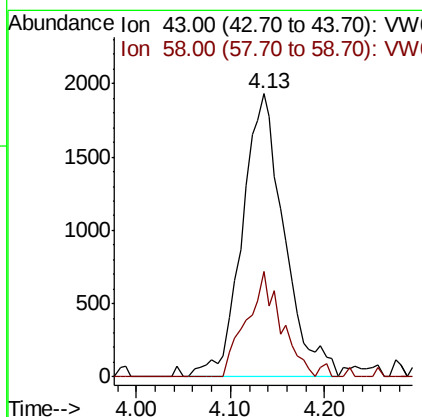
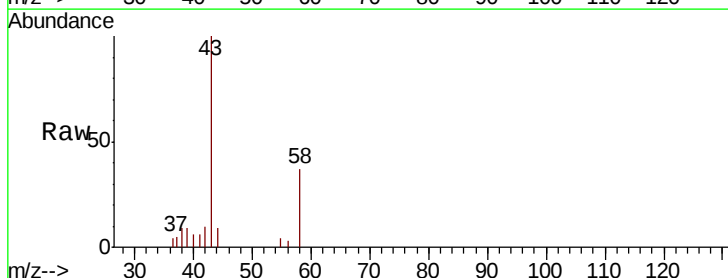
Instrument :
MSVOA_W
ClientSampled :
SP-1-4

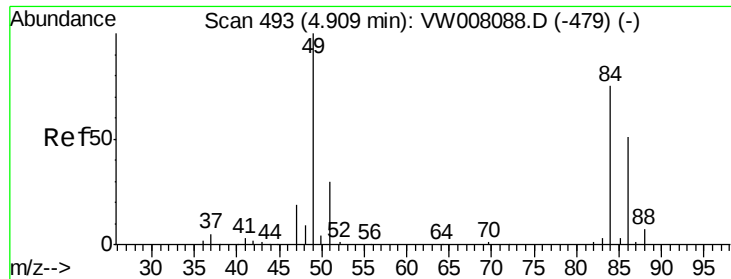
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 26.045 ug/l
RT: 4.13 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW008128.D
Acq: 10 Jan 2019 04:05

Tgt Ion: 43 Resp: 6036
Ion Ratio Lower Upper
43 100
58 37.4 27.5 41.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008128.D

Acq: 10 Jan 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

SP-1-4

Tgt Ion: 84 Resp: 2039

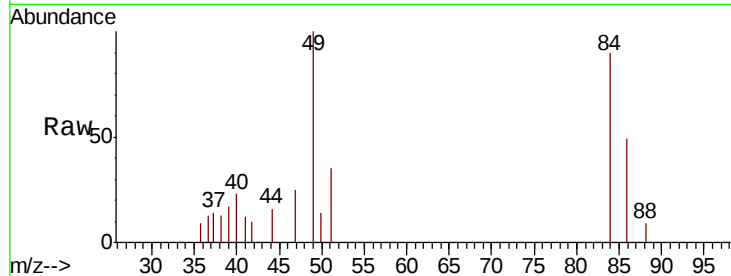
Ion Ratio Lower Upper

84 100

49 110.7 107.1 160.7

51 38.8 32.4 48.6

86 53.7 54.2 81.4#



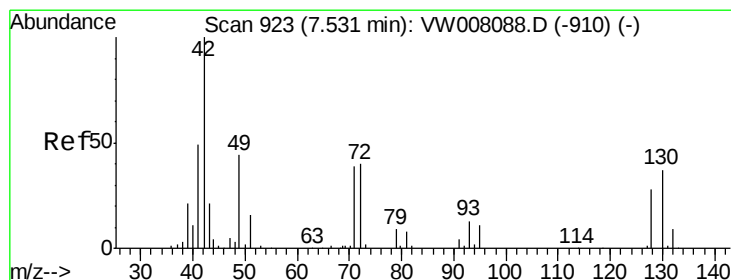
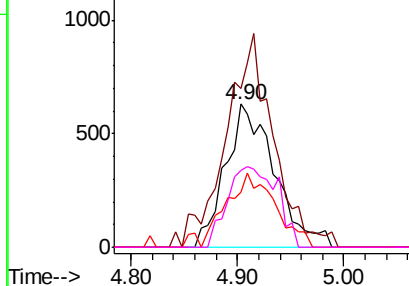
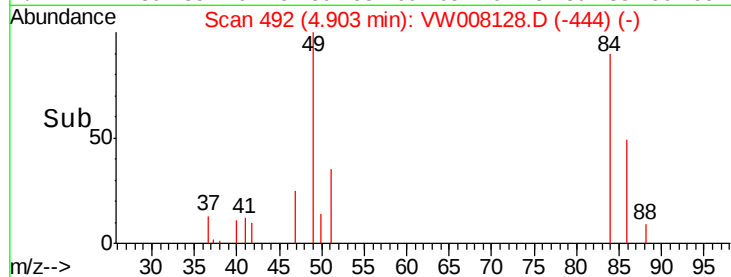
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 1.226 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008128.D

Acq: 10 Jan 2019 04:05

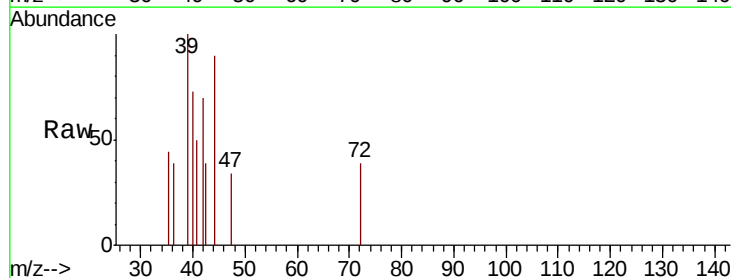
Tgt Ion: 42 Resp: 170

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 0.0 31.3 46.9#

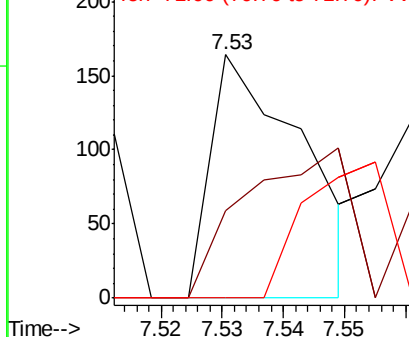
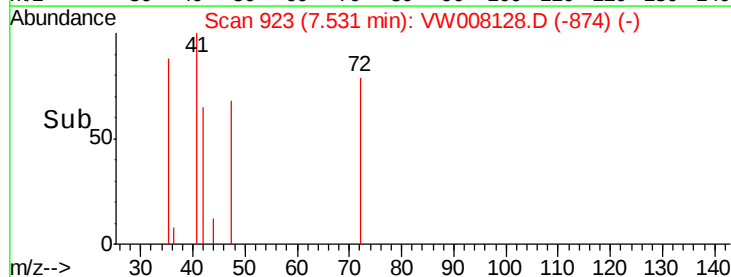


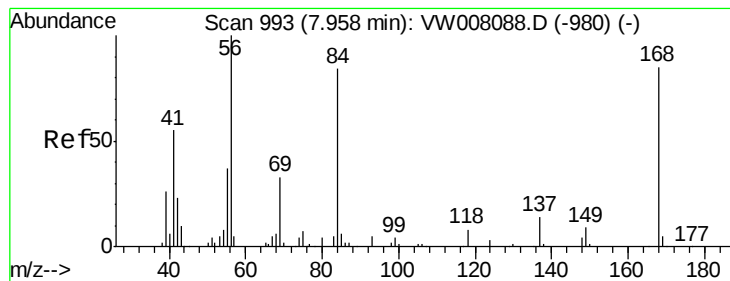
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008128.D

Acq: 10 Jan 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

SP-1-4

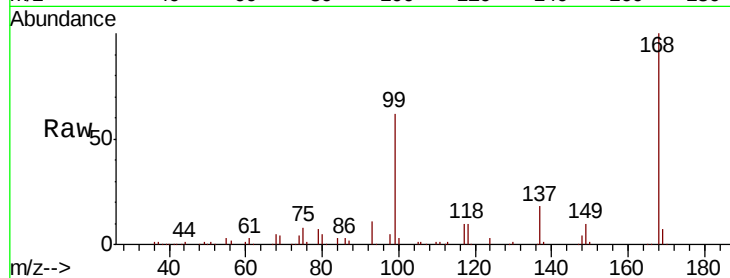
Tgt Ion: 56 Resp: 1852

Ion Ratio Lower Upper

56 100

69 168.3 26.2 39.4#

84 141.0 67.4 101.2#

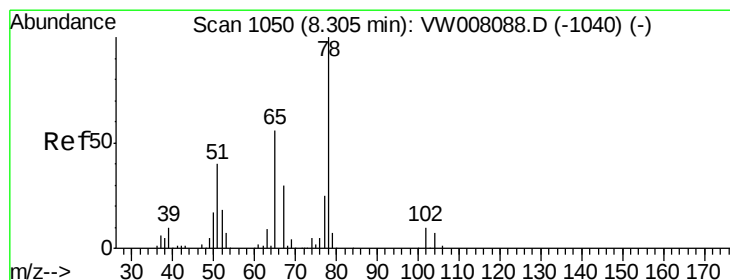
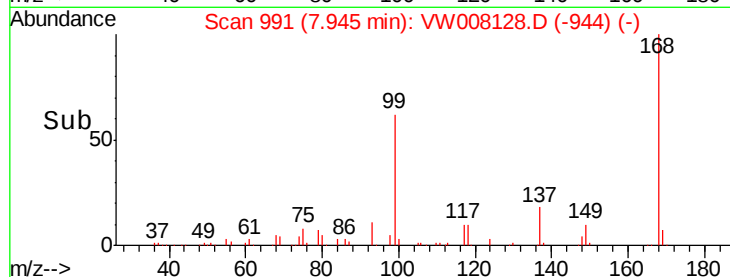
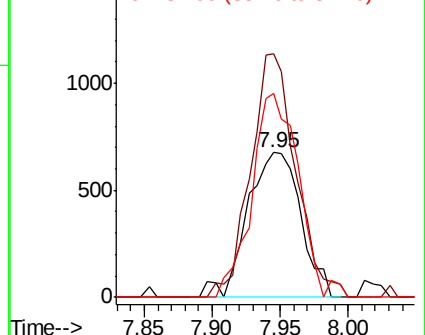


Abundance

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: 55.482 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008128.D

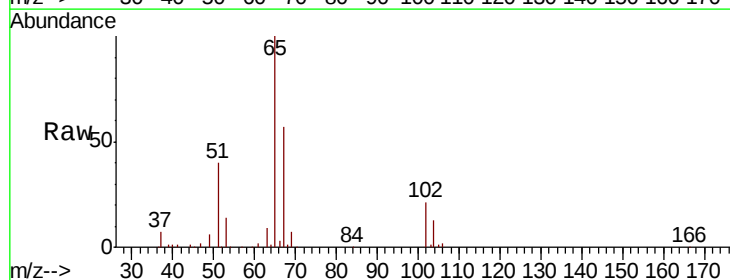
Acq: 10 Jan 2019 04:05

Tgt Ion: 65 Resp: 41410

Ion Ratio Lower Upper

65 100

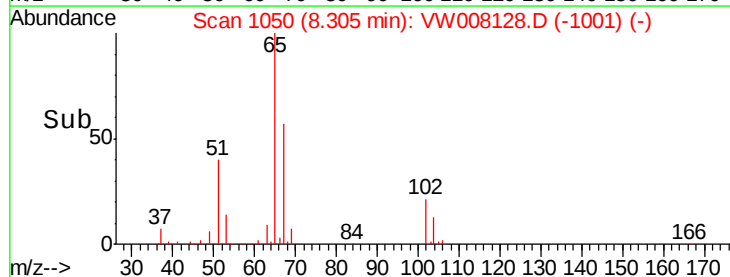
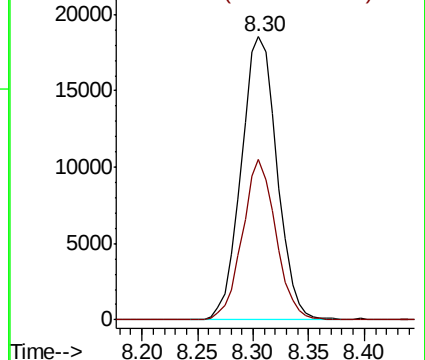
67 52.9 0.0 106.8

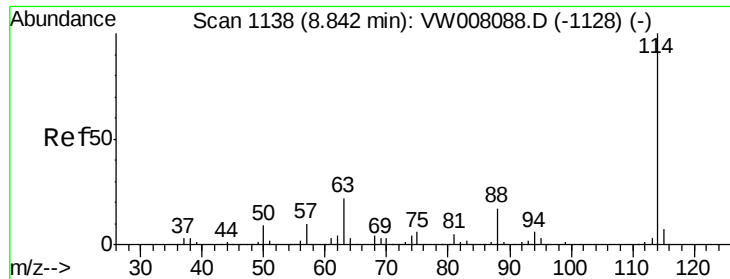


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

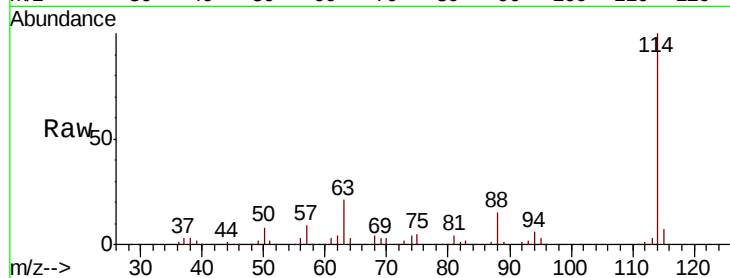




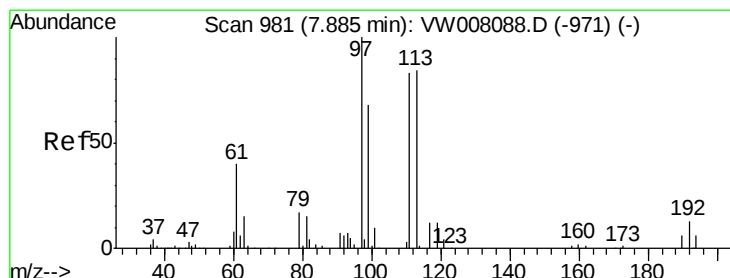
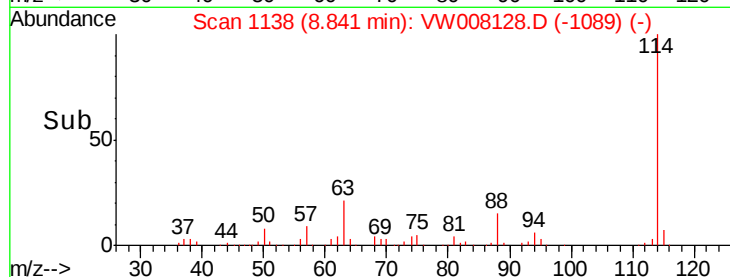
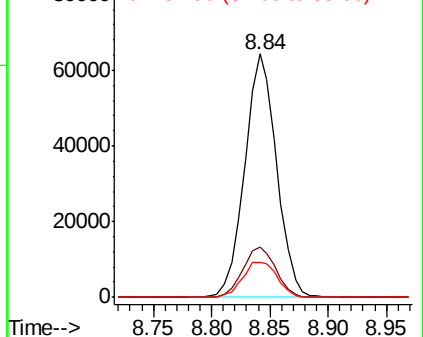
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008128.D
 Acq: 10 Jan 2019 04:05

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-4

Tgt Ion:114 Resp: 122112
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.4
 88 14.6 0.0 33.4

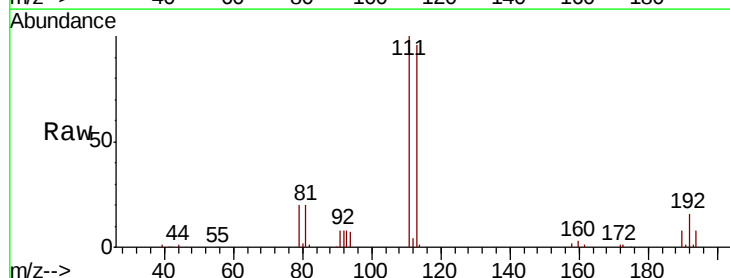


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

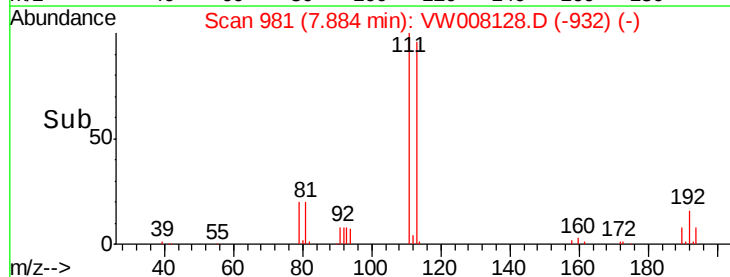
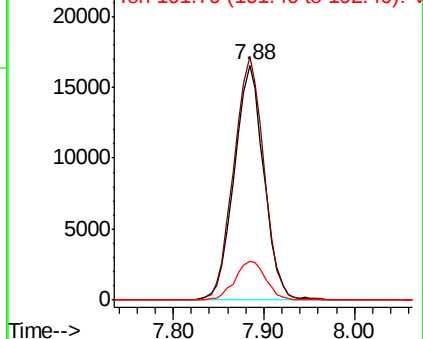


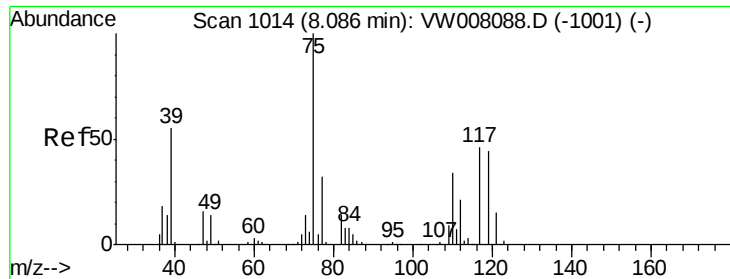
#35
 Dibromofluoromethane
 Concen: 52.682 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008128.D
 Acq: 10 Jan 2019 04:05

Tgt Ion:113 Resp: 37520
 Ion Ratio Lower Upper
 113 100
 111 105.3 81.8 122.8
 192 17.3 12.8 19.2



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

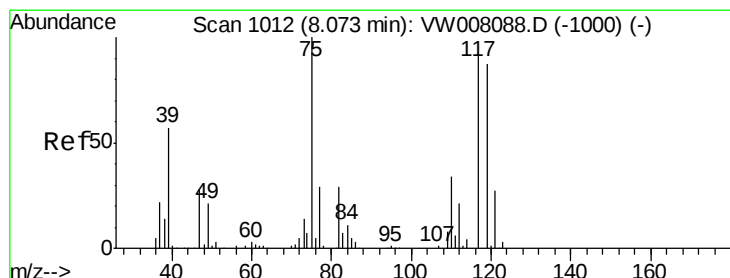
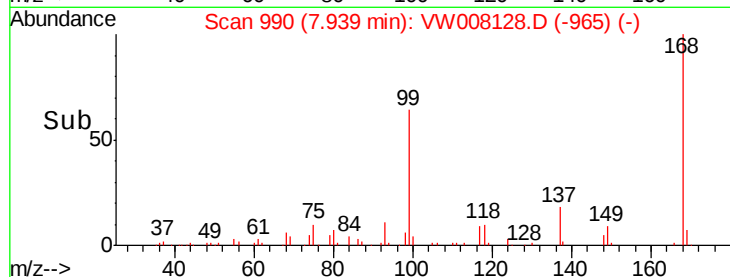
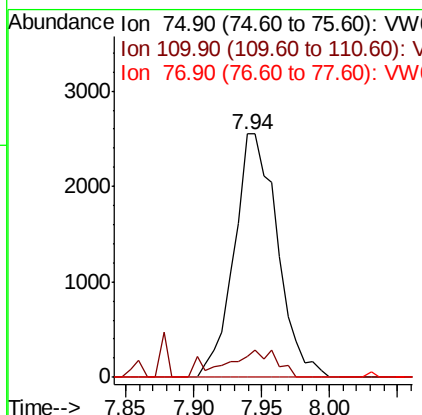
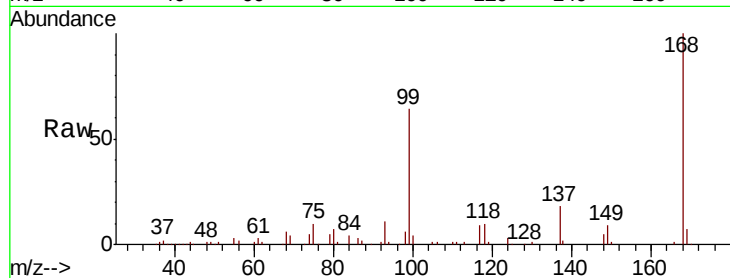




#36
 1,1-Dichloropropene
 Concen: 4.509 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.15 min
 Lab File: VW008128.D
 Acq: 10 Jan 2019 04:05

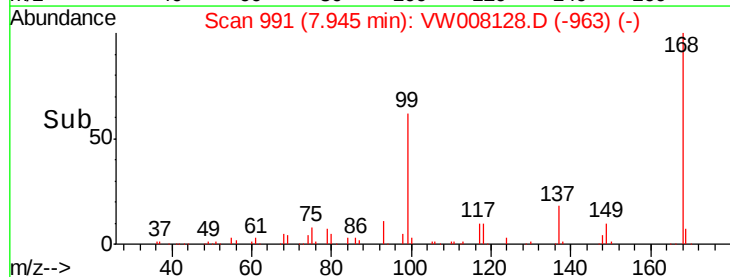
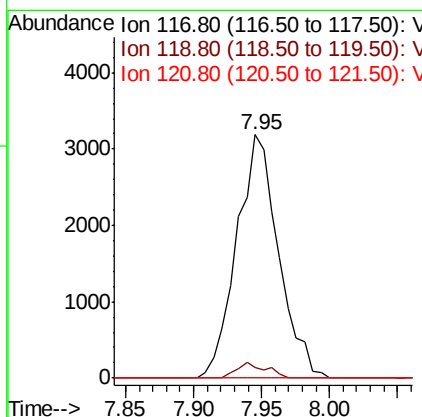
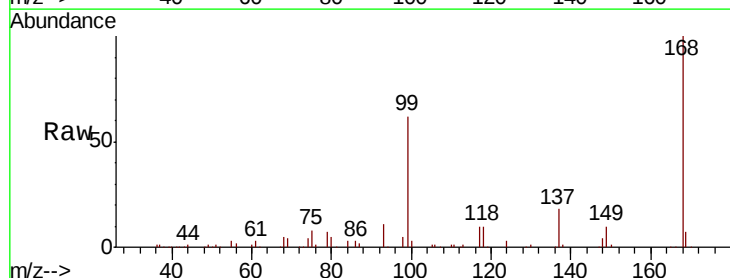
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-4

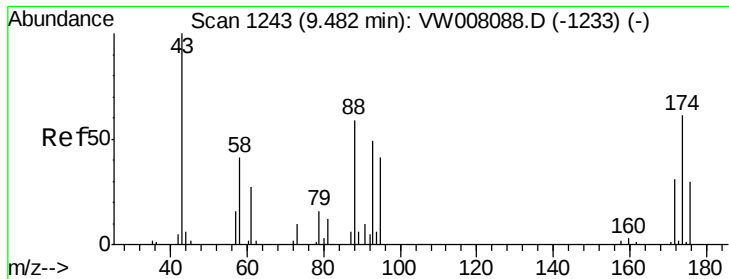
Tgt Ion: 75 Resp: 5672
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.941 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008128.D
 Acq: 10 Jan 2019 04:05

Tgt Ion: 117 Resp: 6840
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 2.844 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.27 min

Lab File: VW008128.D

Acq: 10 Jan 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

SP-1-4

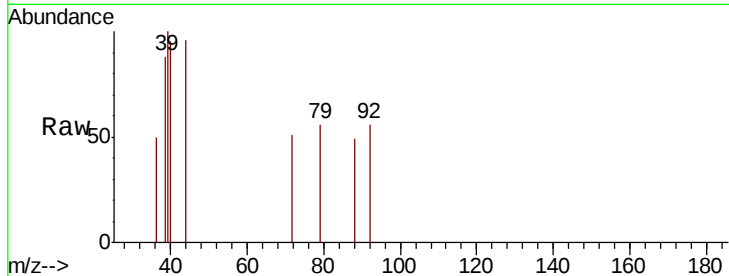
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

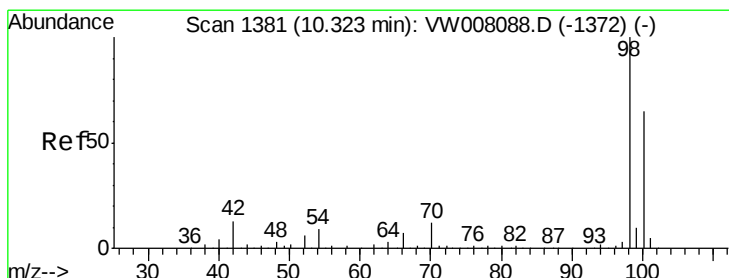
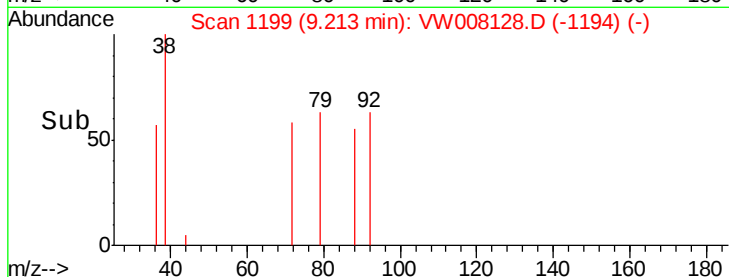
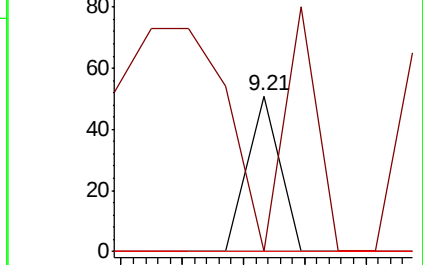
58 0.0 61.7 92.5#



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



#50

Toluene-d8

Concen: 51.634 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008128.D

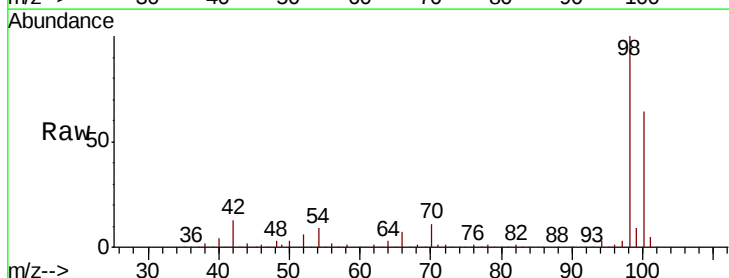
Acq: 10 Jan 2019 04:05

Tgt Ion: 98 Resp: 154319

Ion Ratio Lower Upper

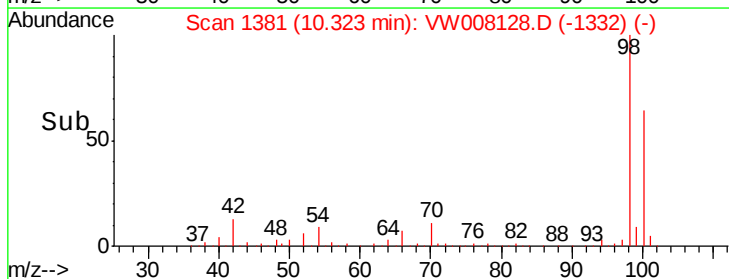
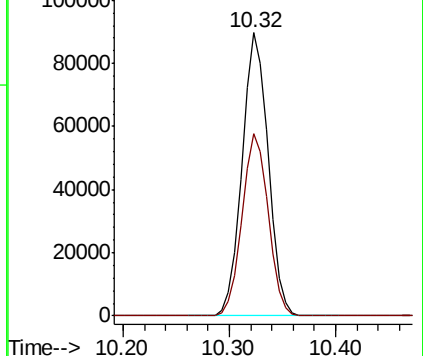
98 100

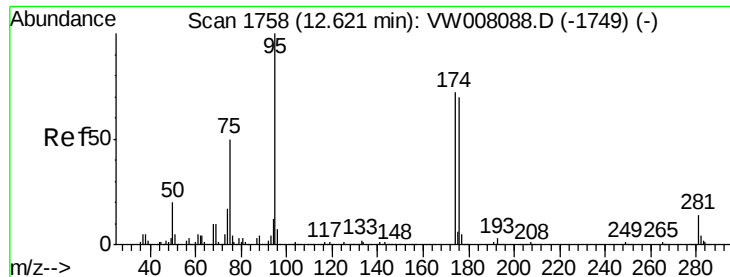
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 48.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008128.D

Acq: 10 Jan 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

SP-1-4

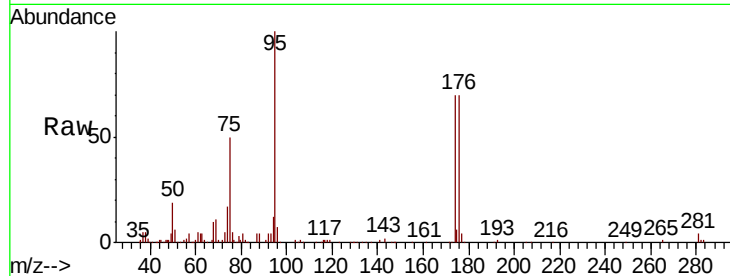
Tgt Ion: 95 Resp: 52473

Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.0

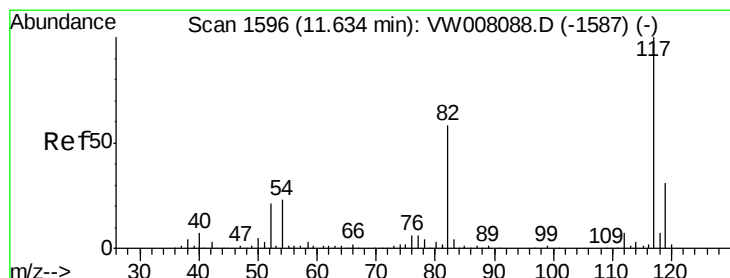
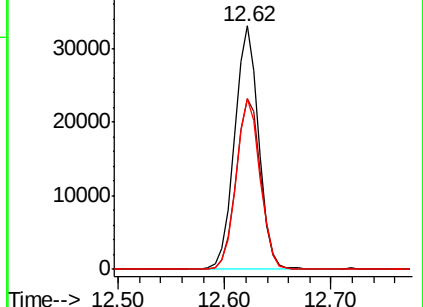
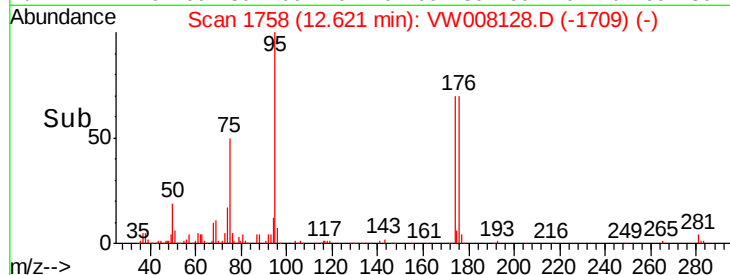
176 69.5 0.0 140.2



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: VW008128.D

Acq: 10 Jan 2019 04:05

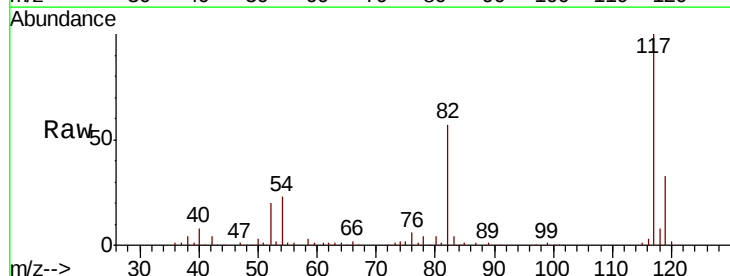
Tgt Ion: 117 Resp: 110195

Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

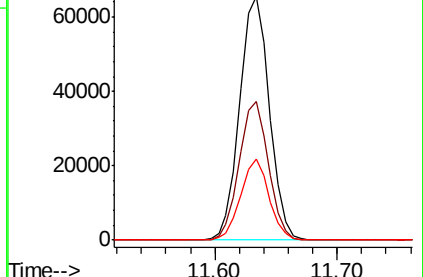
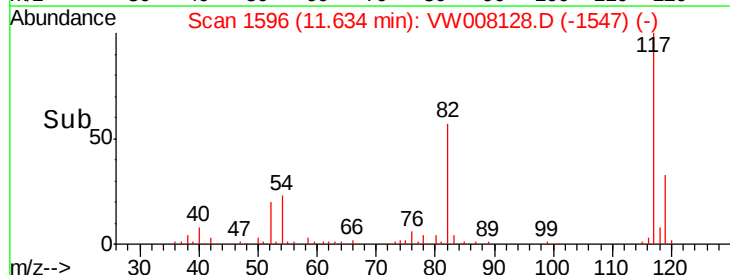
119 33.5 24.7 37.1

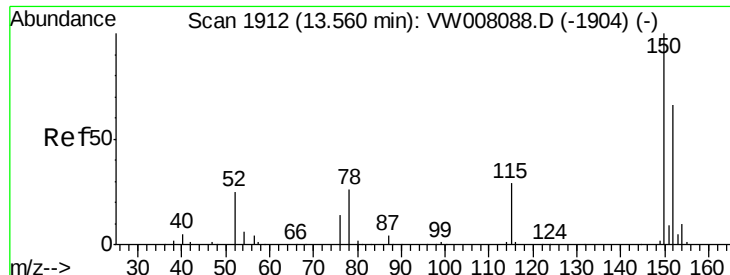


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008128.D

Acq: 10 Jan 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

SP-1-4

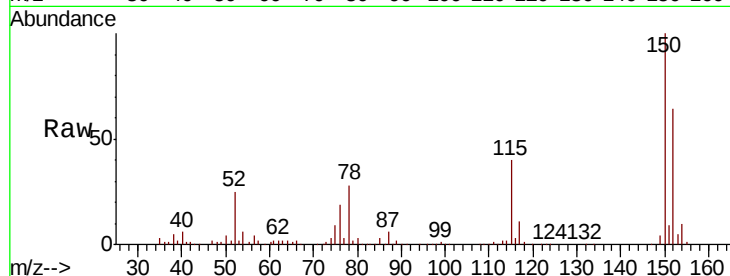
Tgt Ion:152 Resp: 48945

Ion Ratio Lower Upper

152 100

115 62.7 30.8 92.4

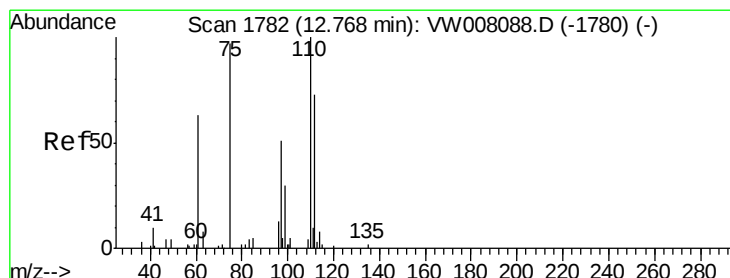
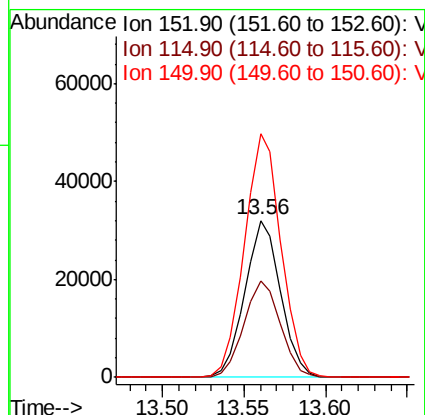
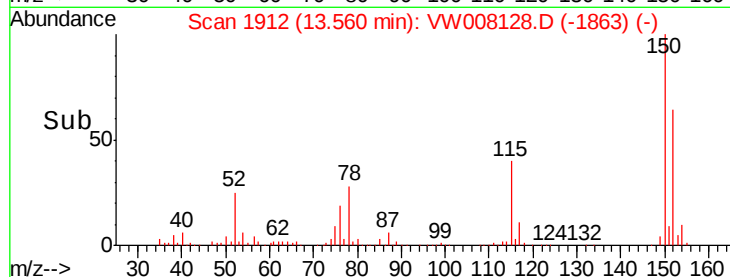
150 159.4 0.0 350.2



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: 59.986 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008128.D

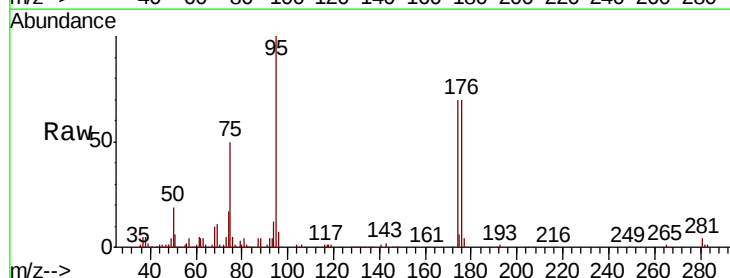
Acq: 10 Jan 2019 04:05

Tgt Ion: 75 Resp: 26765

Ion Ratio Lower Upper

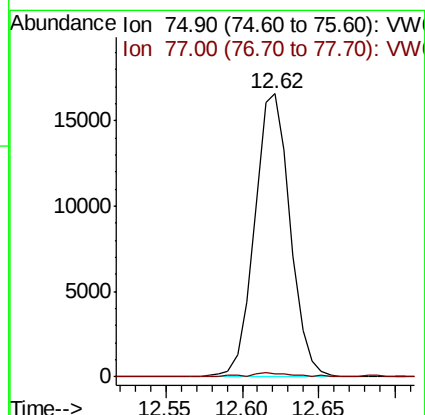
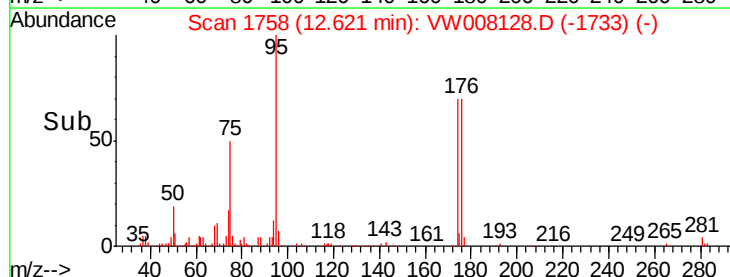
75 100

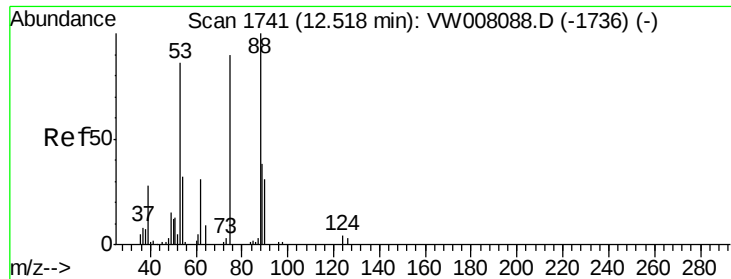
77 1.7 179.4 538.2#



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: 139.689 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008128.D

Acq: 10 Jan 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

SP-1-4

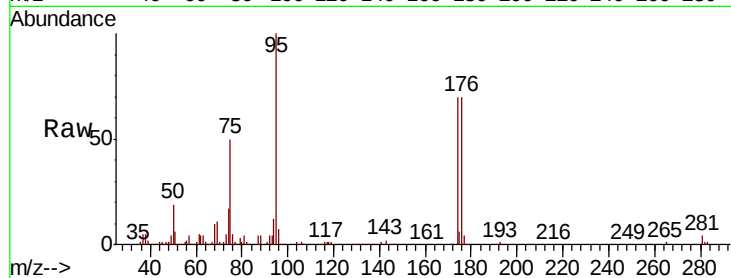
Tgt Ion: 75 Resp: 26765

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

