

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007503.D
 Acq On : 13 Dec 2018 23:49
 Operator : SY/AP
 Sample : J6361-01RE
 Misc : 4.35G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TN4803-121218RE

Quant Time: Dec 14 04:30:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	136021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60008	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	34633	34.74	ug/l	0.00
Spiked Amount			Recovery	=	69.48%	
35) Dibromofluoromethane	7.88	113	32976	34.76	ug/l	0.00
Spiked Amount			Recovery	=	69.52%	
50) Toluene-d8	10.32	98	115724	32.53	ug/l	0.00
Spiked Amount			Recovery	=	65.06%	
62) 4-Bromofluorobenzene	12.62	95	43390	33.17	ug/l	0.00
Spiked Amount			Recovery	=	66.34%	

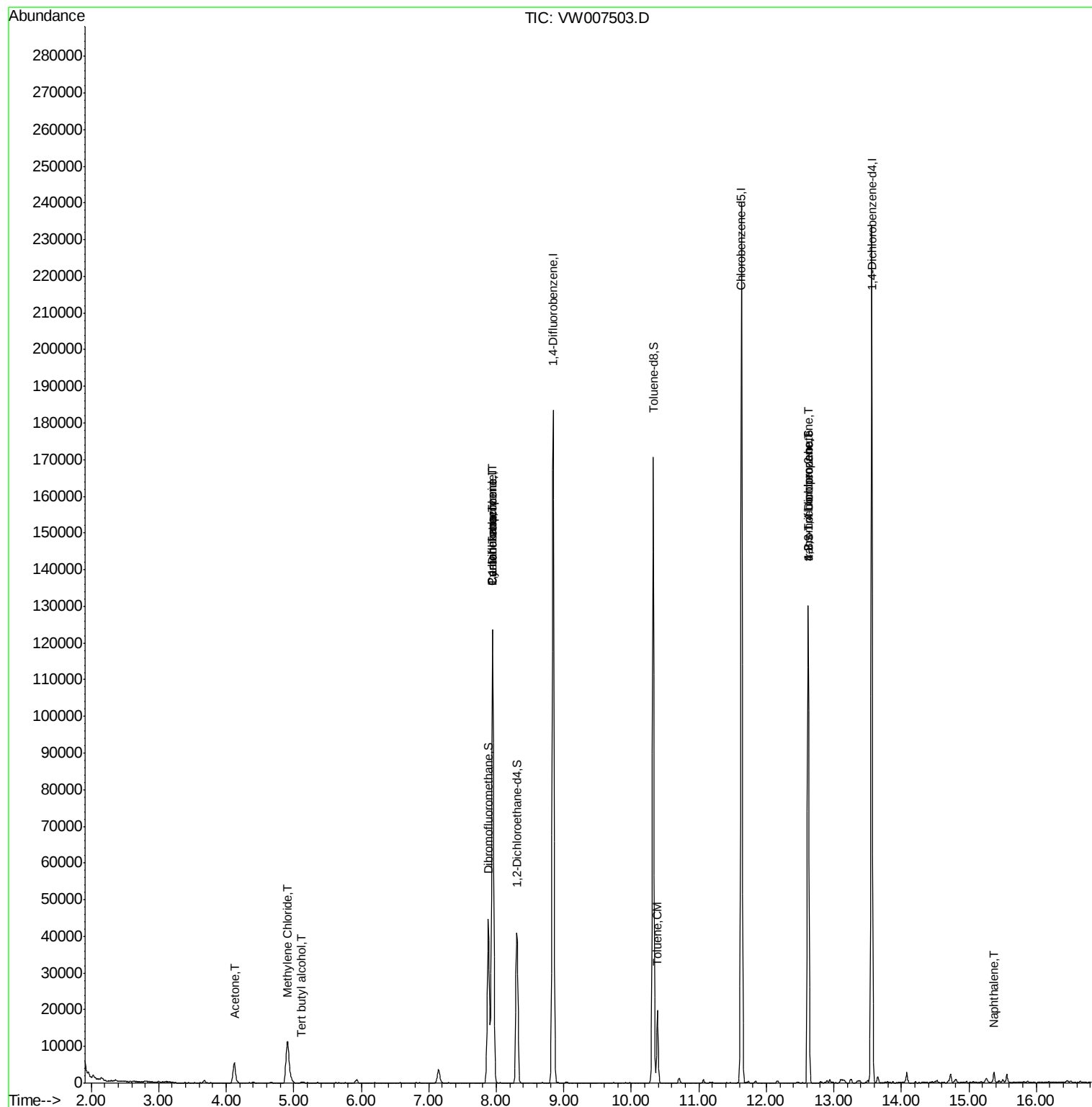
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	283	4.133	ug/l #	74
16) Acetone	4.12	43	9536	54.762	ug/l	99
20) Methylene Chloride	4.91	84	10084	7.239	ug/l	97
31) Cyclohexane	7.95	56	1926	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6932	4.848	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9796	6.297	ug/l #	16
52) Toluene	10.39	92	8473	3.300	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	21834	44.128	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21834	97.480	ug/l #	7
95) Naphthalene	15.38	128	2912	1.215	ug/l	98

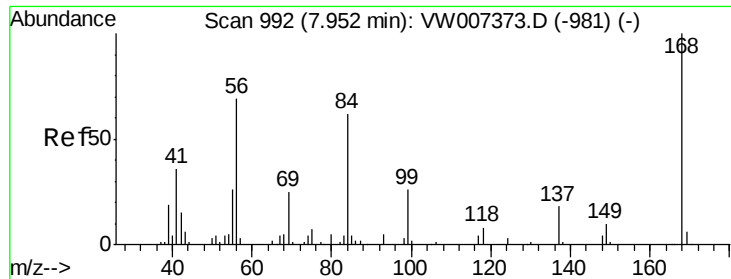
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampleId :

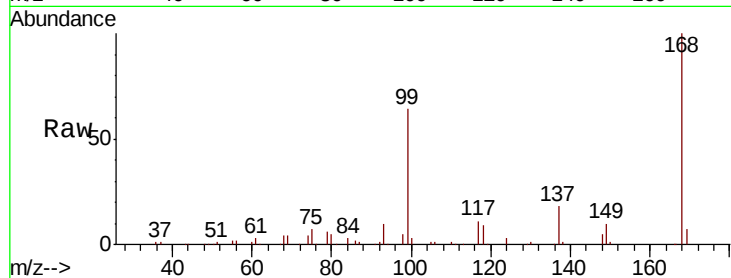
TN4803-121218RE

Tot Ion:168 Resp: 89861

Ion Ratio Lower Upper

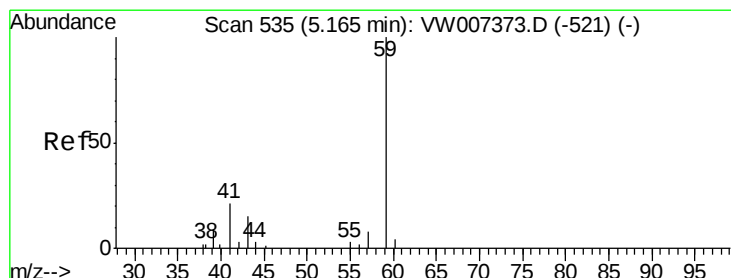
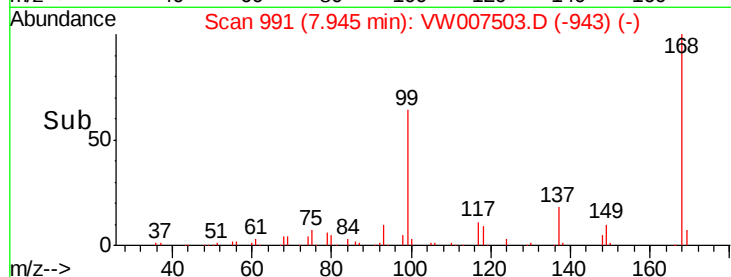
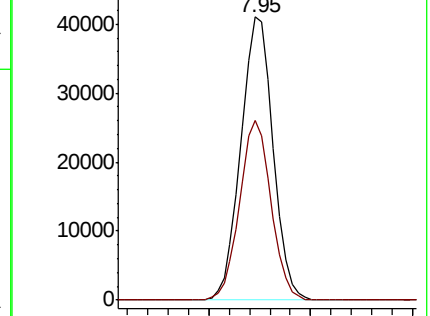
168 100

99 63.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.133 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW007503.D

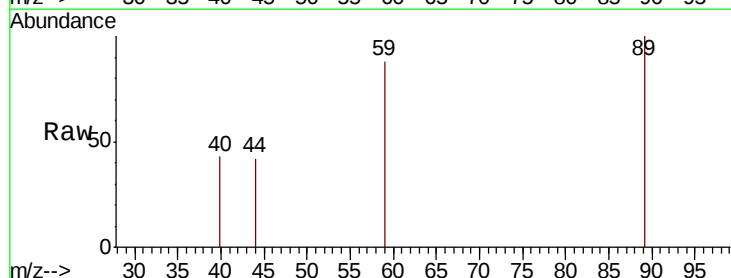
Acq: 13 Dec 2018 23:49

Tgt Ion: 59 Resp: 283

Ion Ratio Lower Upper

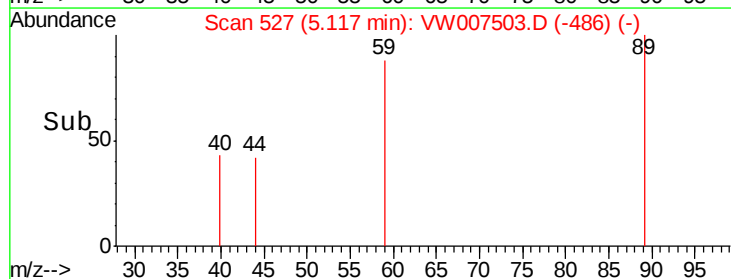
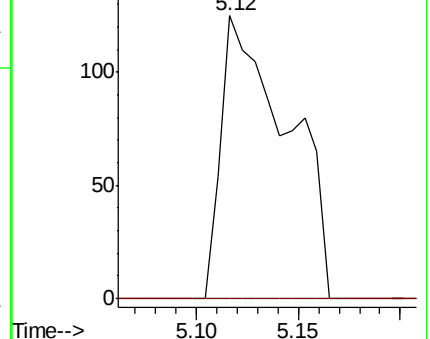
59 100

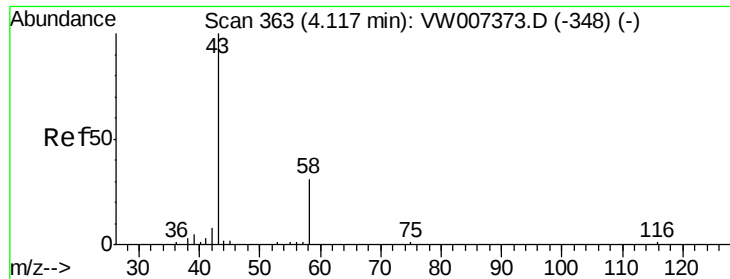
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 54.762 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampleId :

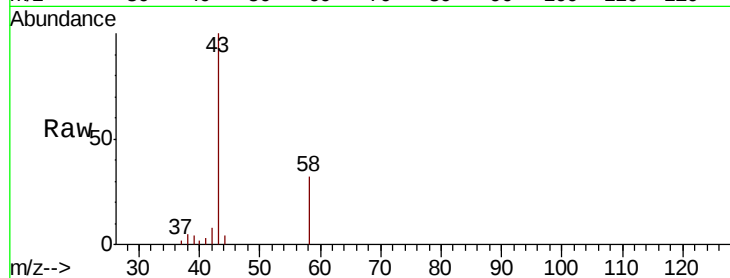
TN4803-121218RE

Tot Ion: 43 Resp: 9536

Ion Ratio Lower Upper

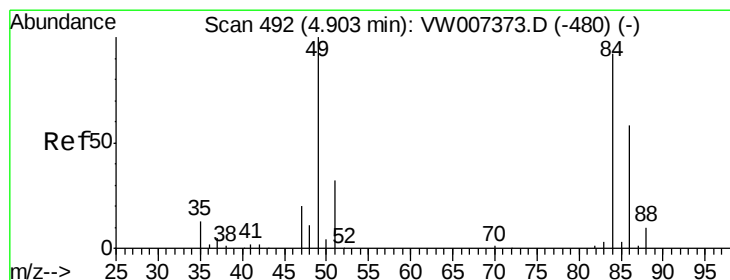
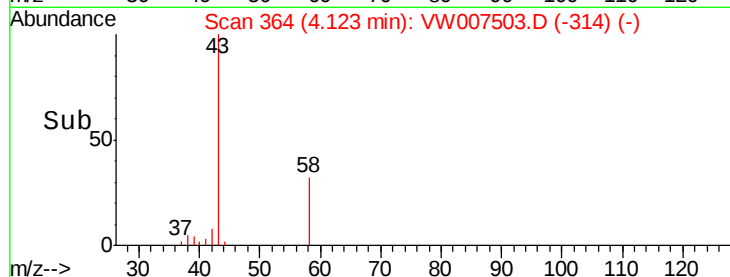
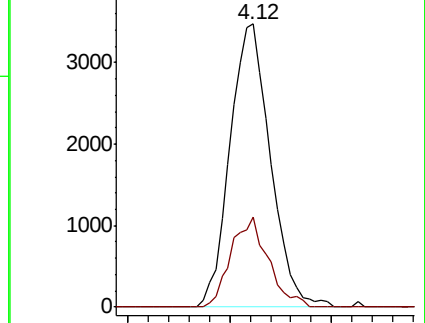
43 100

58 31.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.239 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Tgt Ion: 84 Resp: 10084

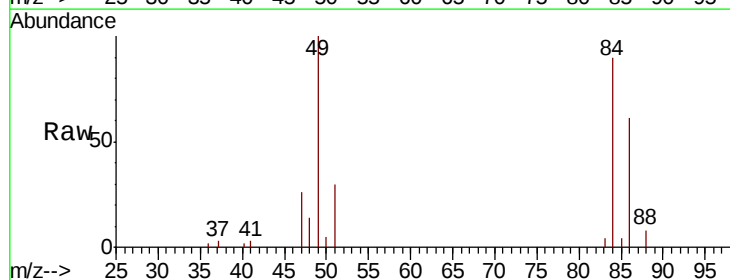
Ion Ratio Lower Upper

84 100

49 111.4 87.1 130.7

51 33.7 28.2 42.2

86 68.0 50.8 76.2

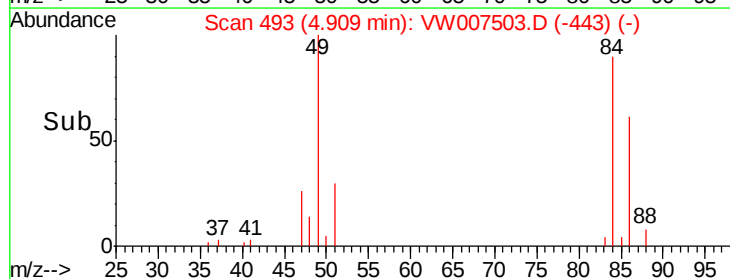
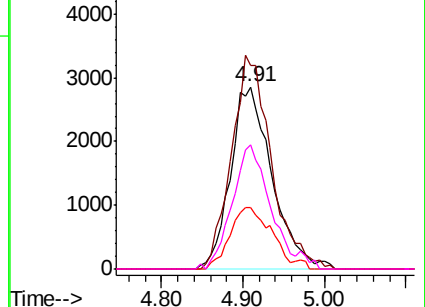


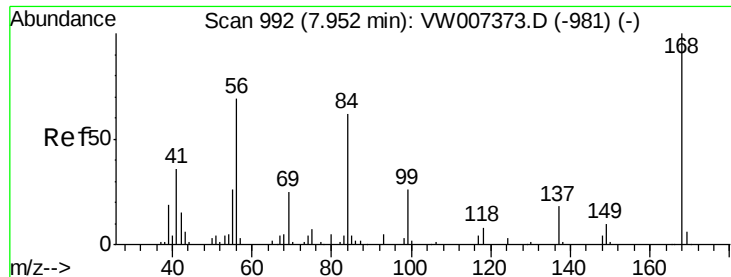
Abundance Ion 83.90 (83.60 to 84.60): VW

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

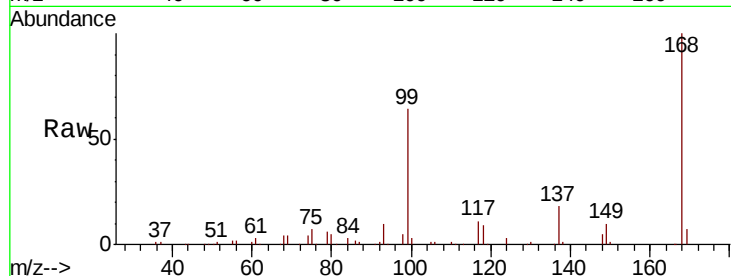




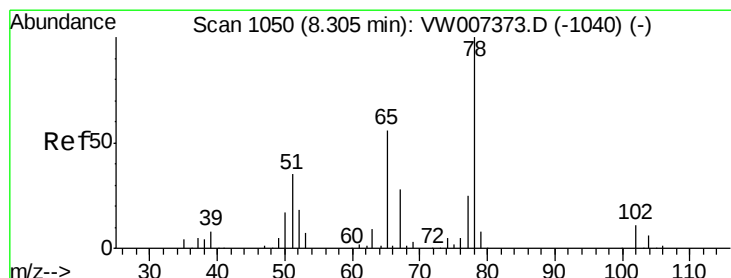
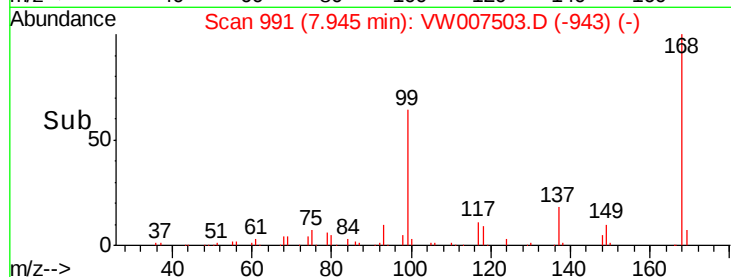
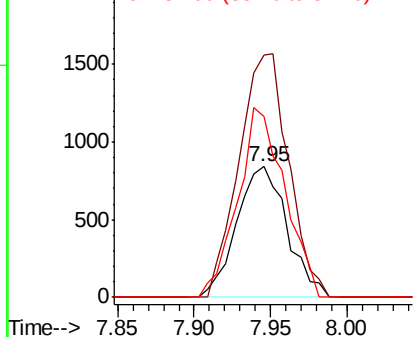
#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007503.D
Acq: 13 Dec 2018 23:49

Instrument :
MSVOA_W
ClientSampleId :
TN4803-121218RE

Tot Ion: 56 Resp: 1926
Ion Ratio Lower Upper
56 100
69 185.5 28.9 43.3#
84 139.0 71.8 107.6#

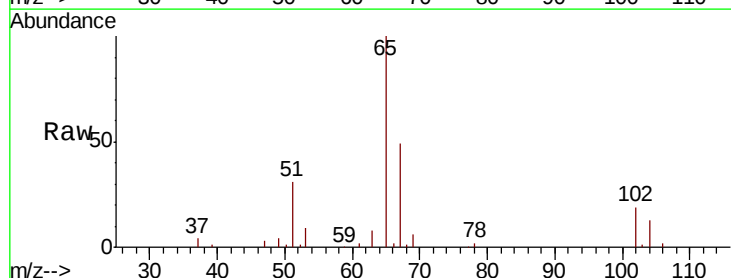


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

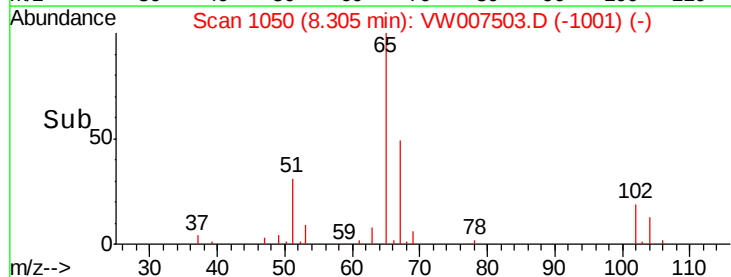
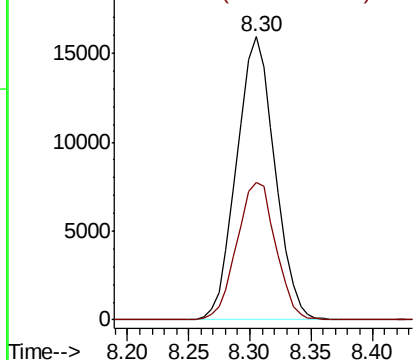


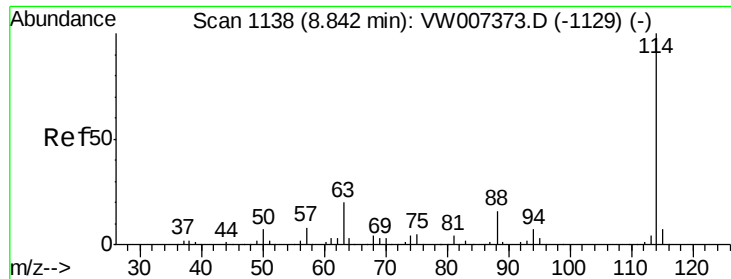
#33
1,2-Dichloroethane-d4
Concen: 34.739 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007503.D
Acq: 13 Dec 2018 23:49

Tgt Ion: 65 Resp: 34633
Ion Ratio Lower Upper
65 100
67 49.2 0.0 101.6



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

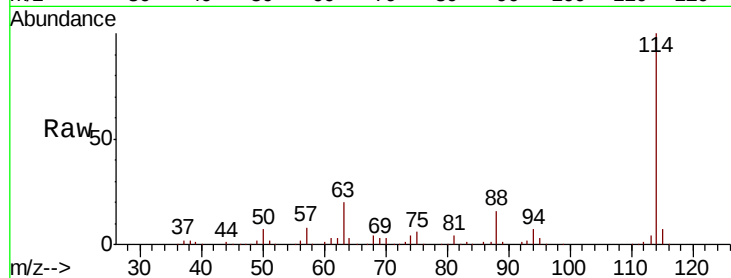




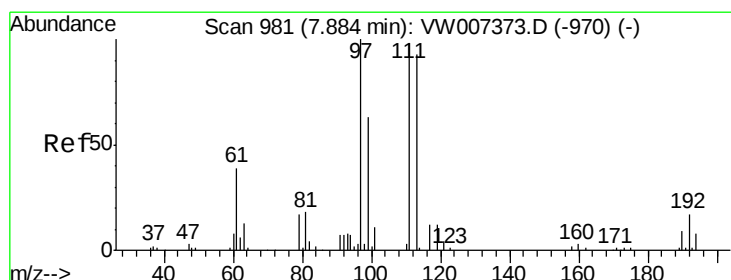
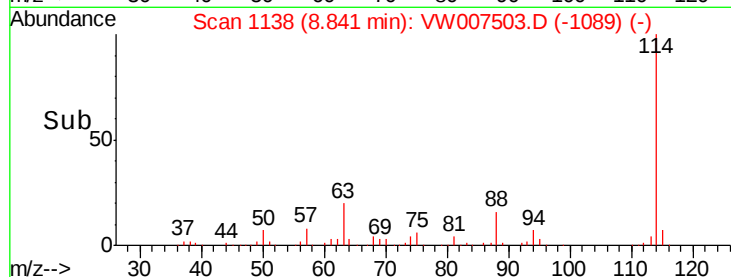
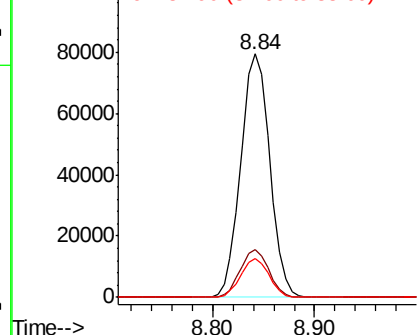
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007503.D
Acq: 13 Dec 2018 23:49

Instrument :
MSVOA_W
ClientSampleId :
TN4803-121218RE

Tot Ion:114 Resp: 156735
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 16.1 0.0 31.4

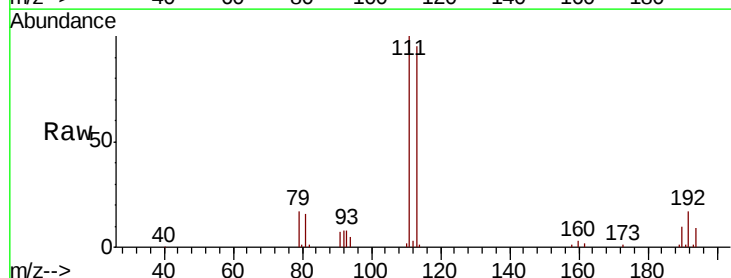


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

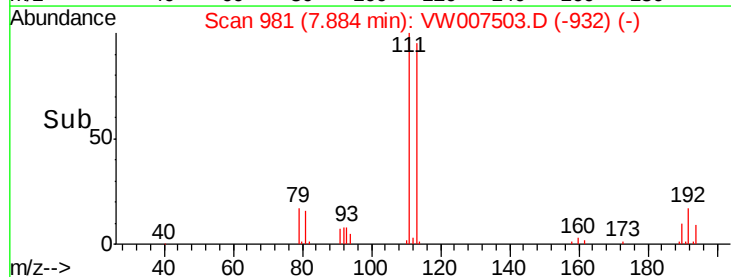
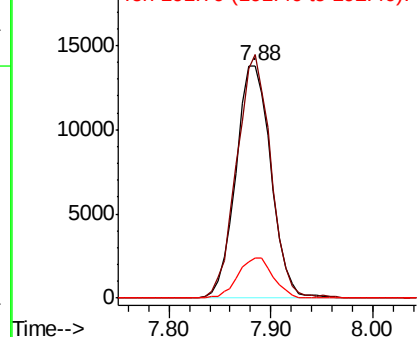


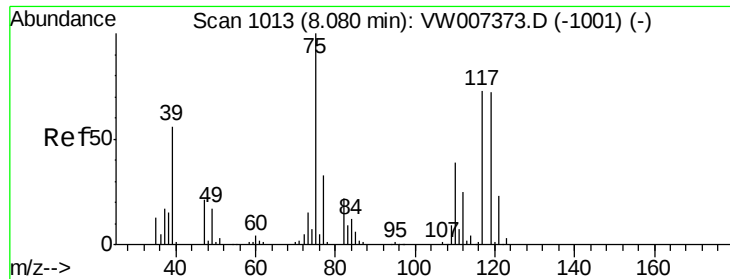
#35
Dibromofluoromethane
Concen: 34.756 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007503.D
Acq: 13 Dec 2018 23:49

Tgt Ion:113 Resp: 32976
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 17.2 14.6 21.8



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

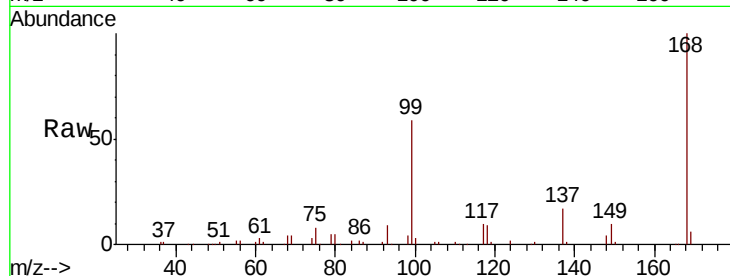




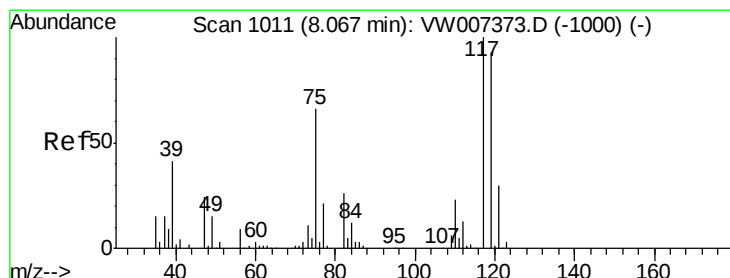
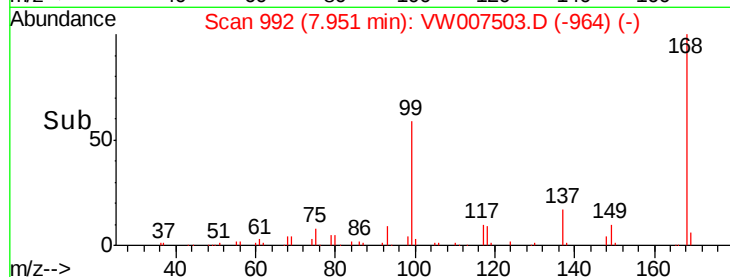
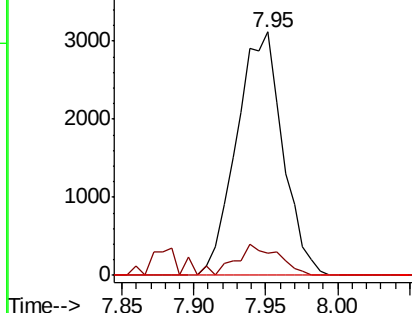
#36
 1,1-Dichloropropene
 Concen: 4.848 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007503.D
 Acq: 13 Dec 2018 23:49

Instrument :
 MSVOA_W
 ClientSampleId :
 TN4803-121218RE

Tot Ion: 75 Resp: 6932
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.5 55.5#
 77 0.0 25.6 38.4#

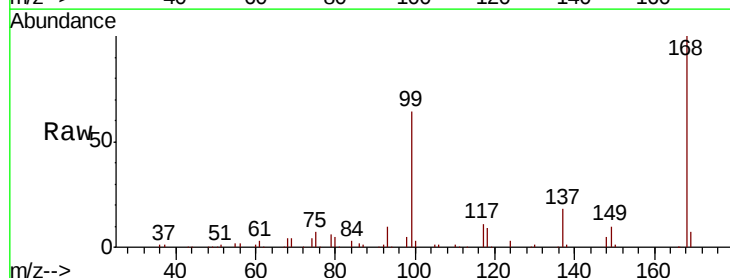


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

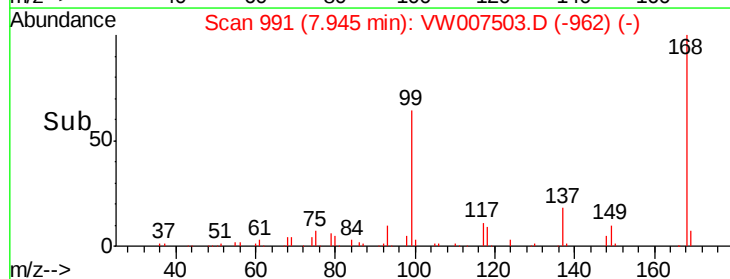
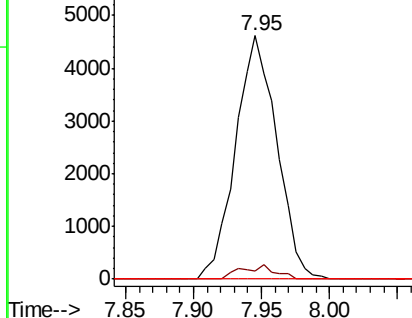


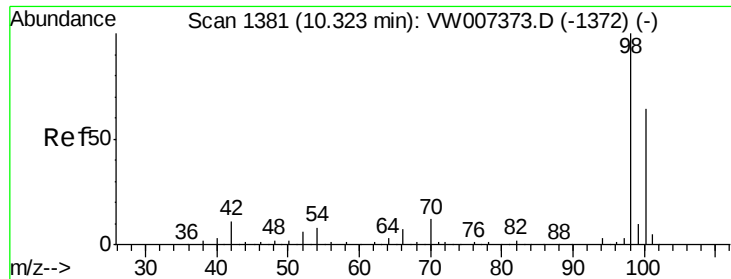
#38
 Carbon Tetrachloride
 Concen: 6.297 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007503.D
 Acq: 13 Dec 2018 23:49

Tgt Ion: 117 Resp: 9796
 Ion Ratio Lower Upper
 117 100
 119 3.4 74.3 111.5#
 121 0.0 24.3 36.5#



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

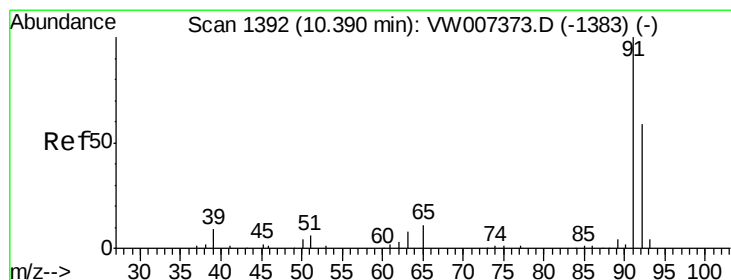
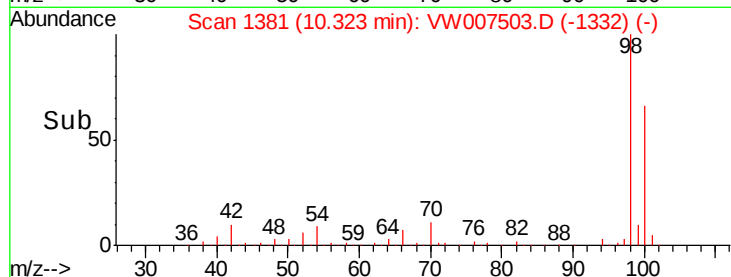
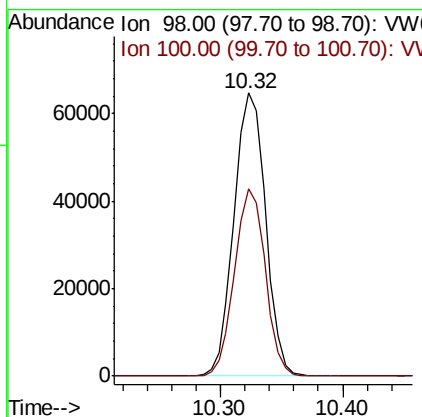
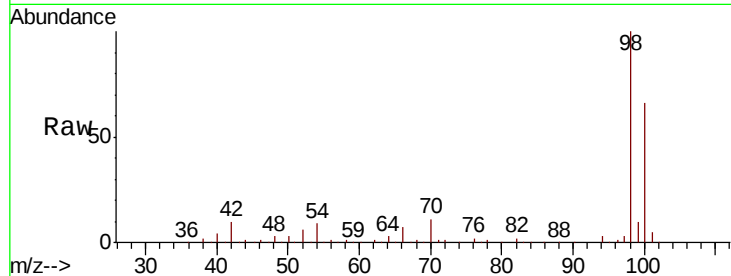




#50
Toluene-d8
Concen: 32.531 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007503.D
Acq: 13 Dec 2018 23:49

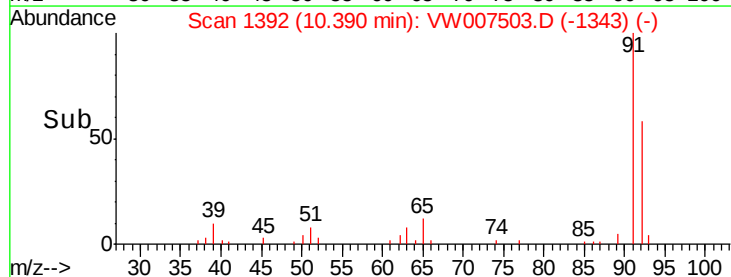
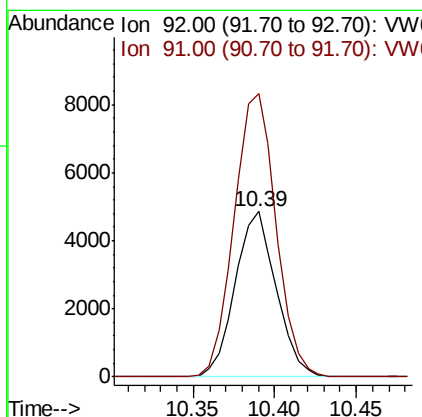
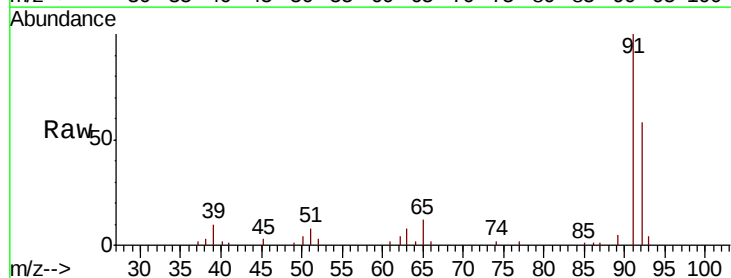
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TN4803-121218RE

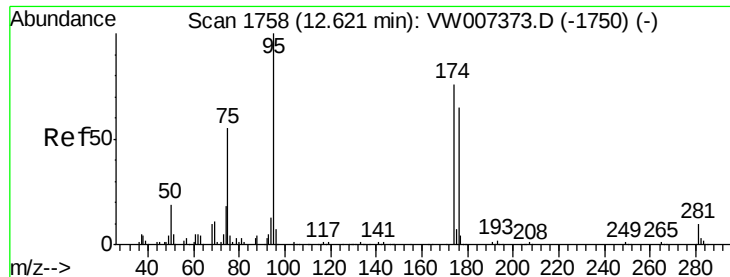
Tot Ion: 98 Resp: 115724
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#52
Toluene
Concen: 3.300 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007503.D
Acq: 13 Dec 2018 23:49

Tgt Ion: 92 Resp: 8473
Ion Ratio Lower Upper
92 100
91 175.1 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 33.174 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampleId :

TN4803-121218RE

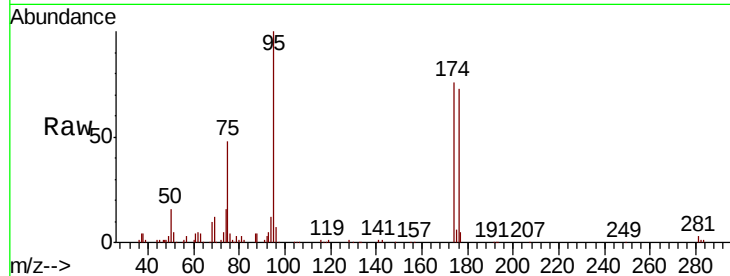
Tot Ion: 95 Resp: 43390

Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.2

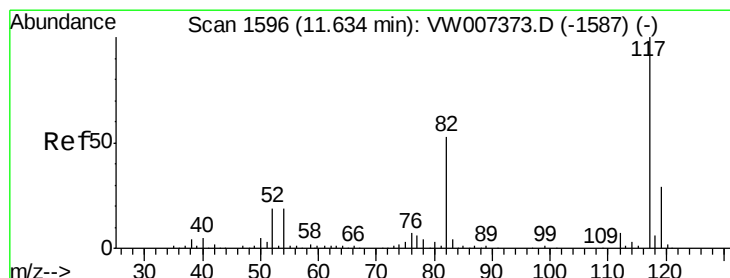
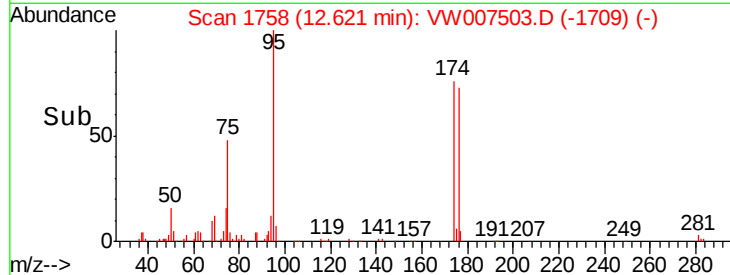
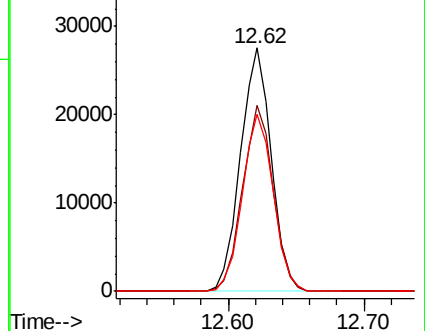
176 73.3 0.0 138.8



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: VW007503.D

Acq: 13 Dec 2018 23:49

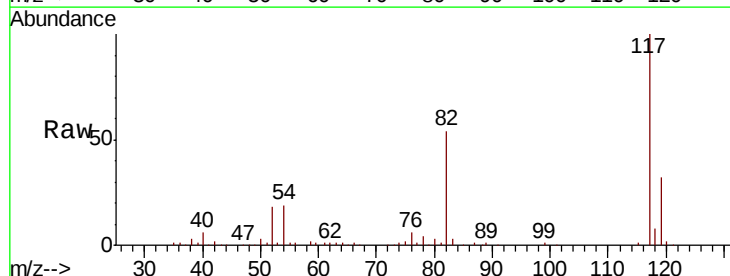
Tgt Ion: 117 Resp: 136021

Ion Ratio Lower Upper

117 100

82 54.0 42.3 63.5

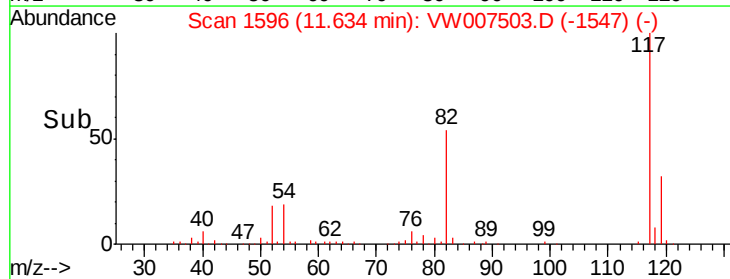
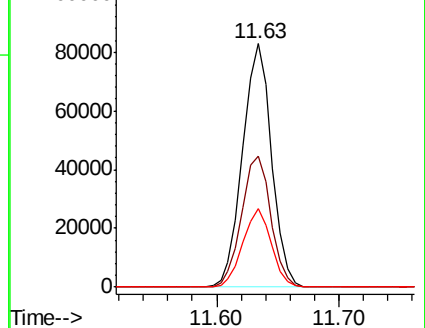
119 32.0 23.0 34.6

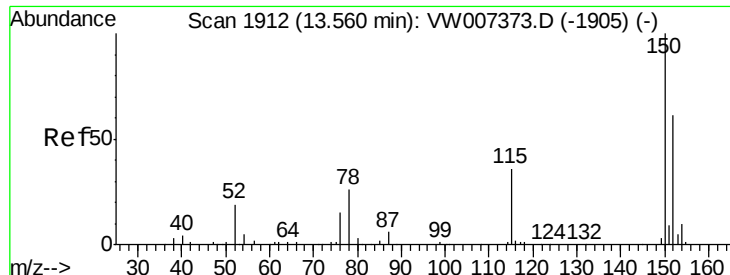


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampleId :

TN4803-121218RE

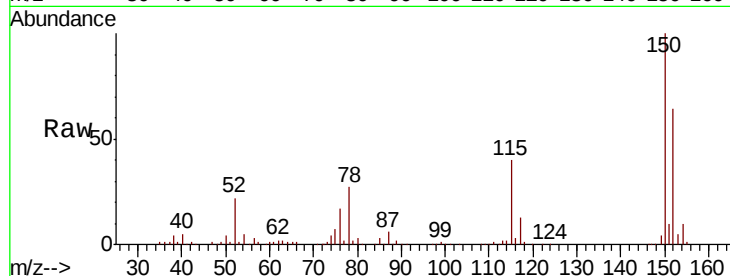
Tot Ion:152 Resp: 60008

Ion Ratio Lower Upper

152 100

115 63.5 31.4 94.2

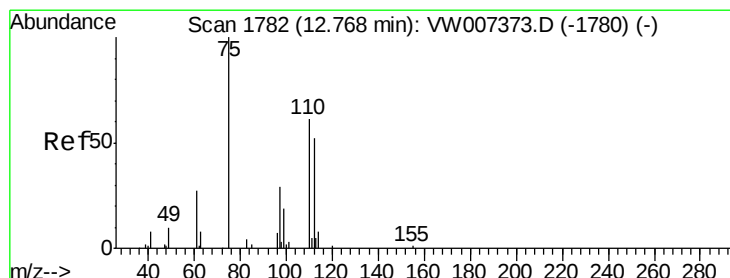
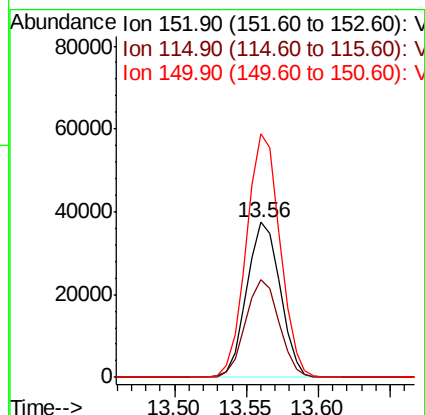
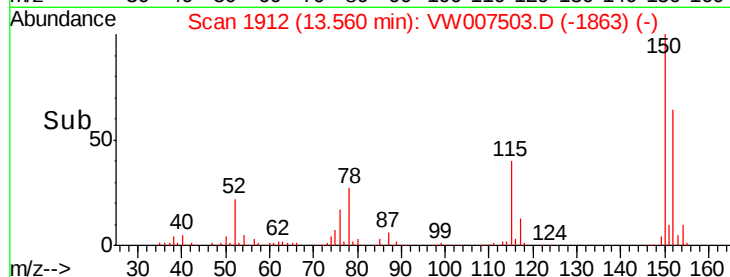
150 158.0 0.0 358.4



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: 44.128 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007503.D

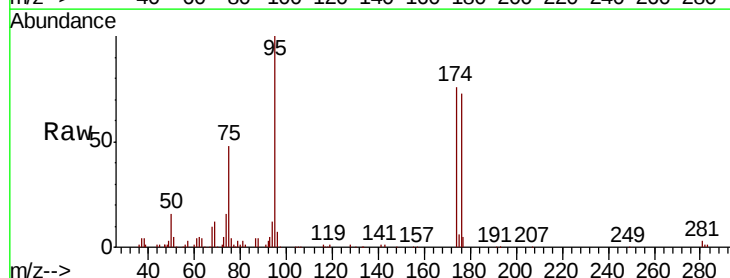
Acq: 13 Dec 2018 23:49

Tgt Ion: 75 Resp: 21834

Ion Ratio Lower Upper

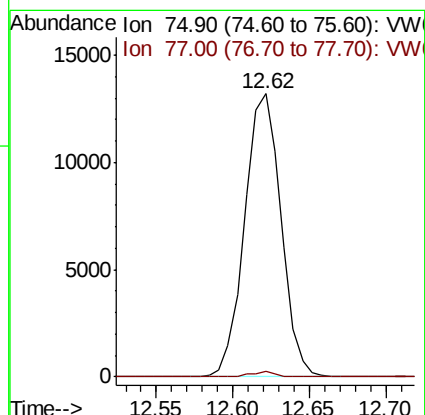
75 100

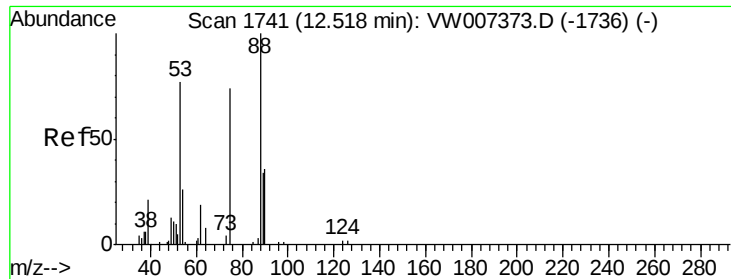
77 1.1 166.9 500.8#



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: 97.480 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampleId :

TN4803-121218RE

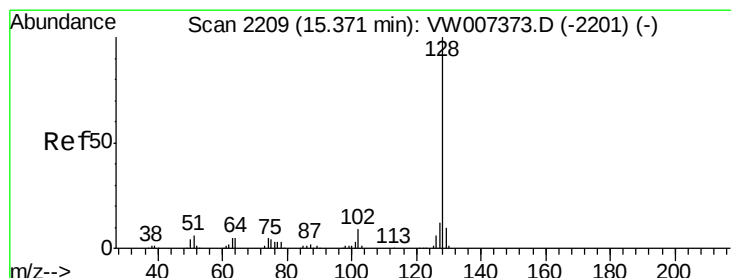
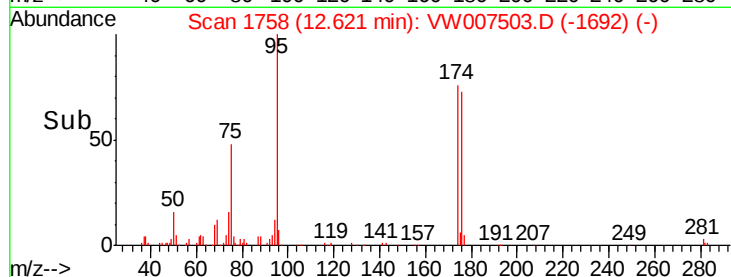
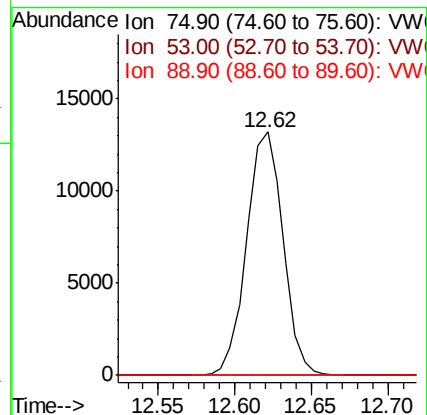
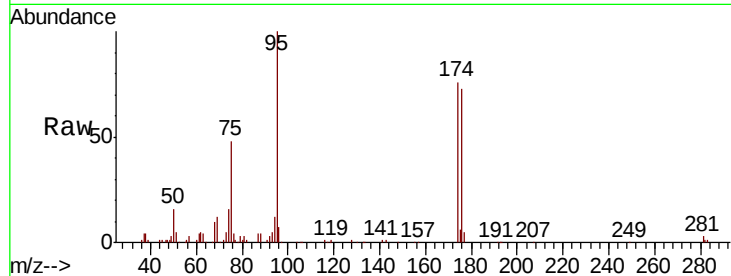
Tot Ion: 75 Resp: 21834

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



#95

Naphthalene

Concen: 1.215 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007503.D

Acq: 13 Dec 2018 23:49

Tgt Ion: 128 Resp: 2912

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 11.7 8.3 12.5

