

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007738.D
 Acq On : 20 Dec 2018 10:16
 Operator : SY/AP
 Sample : J6386-06RE
 Misc : 5.32G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 10:50:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	43925	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	36250	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	7.88	113	32467	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	
50) Toluene-d8	10.32	98	102905	36.89	ug/l	0.00
Spiked Amount			Recovery	=	73.78%	
62) 4-Bromofluorobenzene	12.62	95	37310	34.62	ug/l	0.00
Spiked Amount			Recovery	=	69.24%	

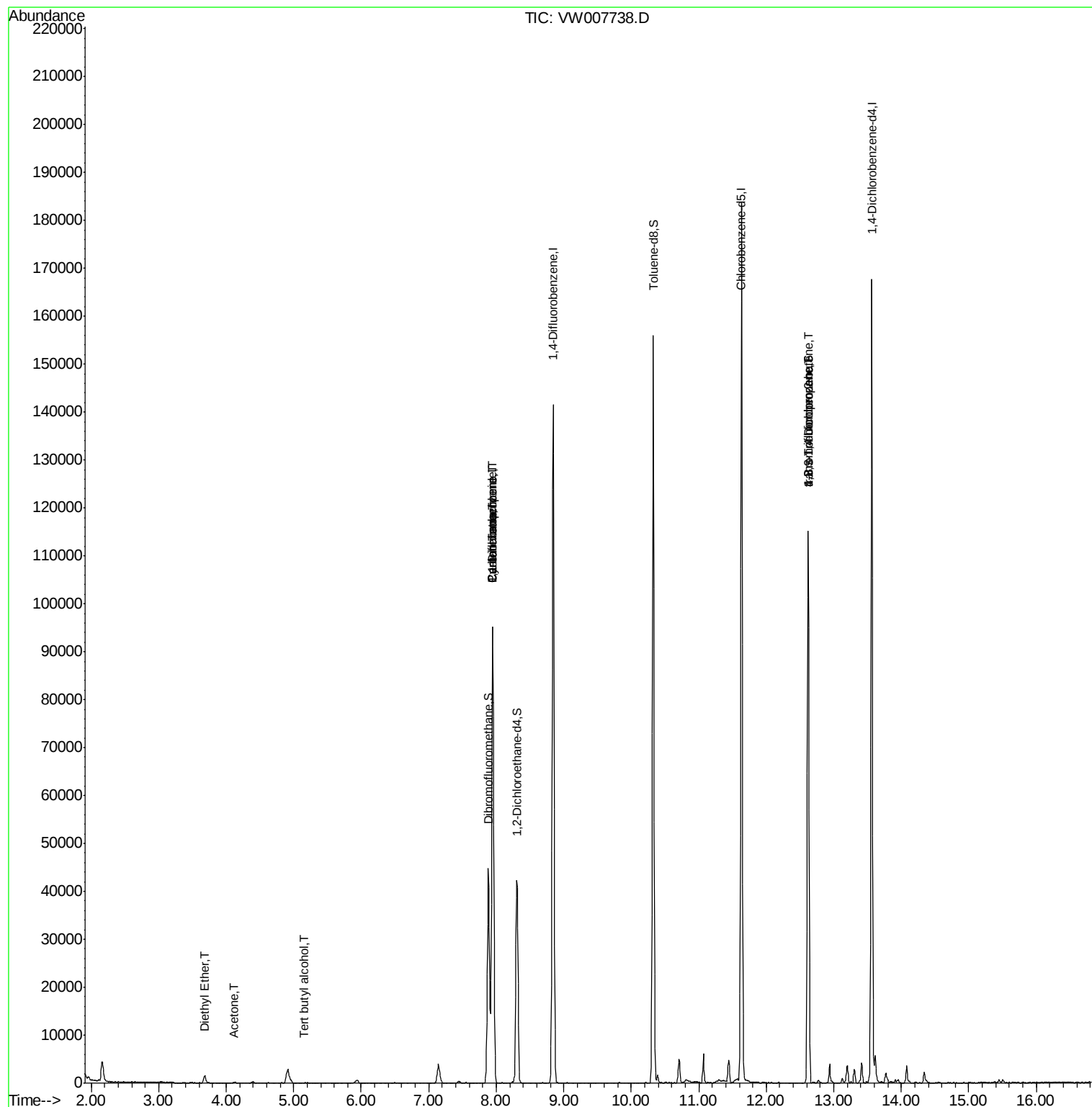
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	858	2.751	ug/l	87
11) Tert butyl alcohol	5.15	59	116	2.229	ug/l #	73
16) Acetone	4.12	43	361	2.499	ug/l #	48
20) Methylene Chloride	4.92	84	2574	Below Cal		93
31) Cyclohexane	7.95	56	1390	1.211	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	5277	4.507	ug/l #	50
38) Carbon Tetrachloride	7.95	117	7613	5.521	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	19084	56.212	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19084	117.994	ug/l #	9

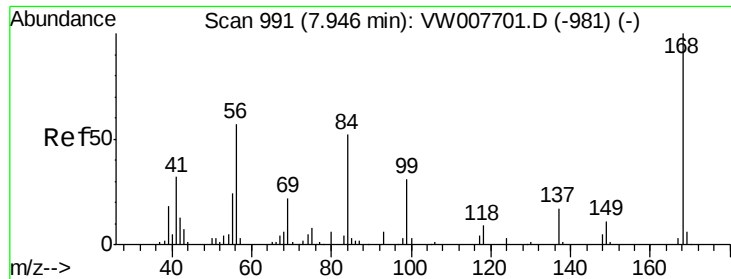
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 20 10:50:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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: VW007738.D

Acq: 20 Dec 2018 10:16

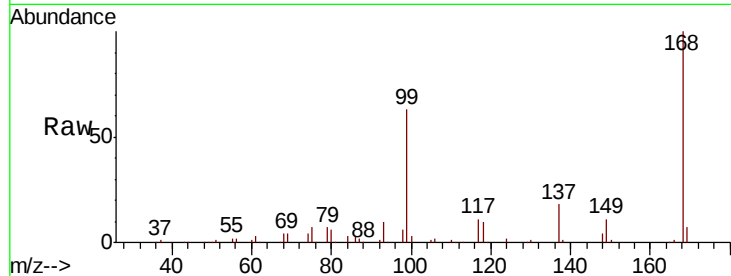
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 70376

Ion Ratio Lower Upper

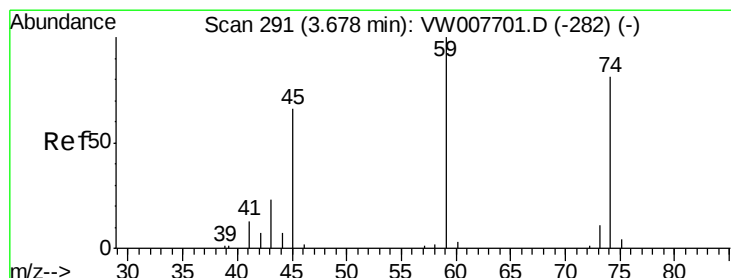
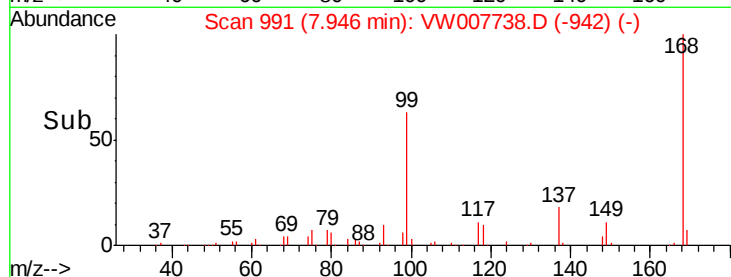
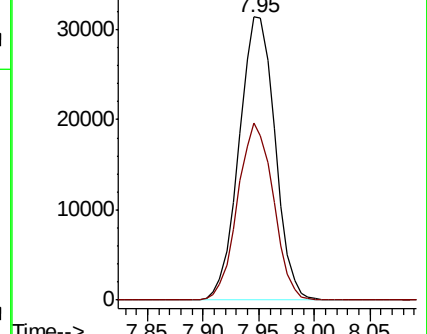
168 100

99 62.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.751 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007738.D

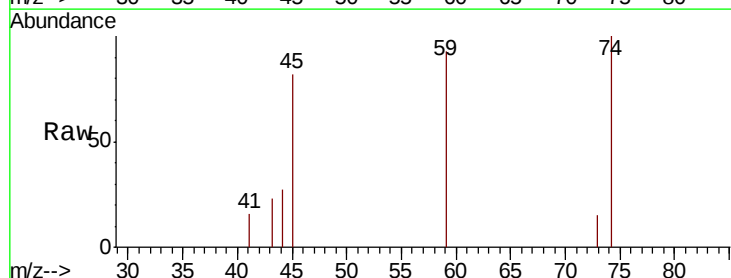
Acq: 20 Dec 2018 10:16

Tgt Ion: 74 Resp: 858

Ion Ratio Lower Upper

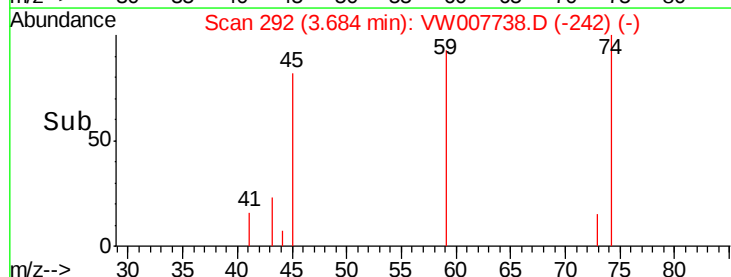
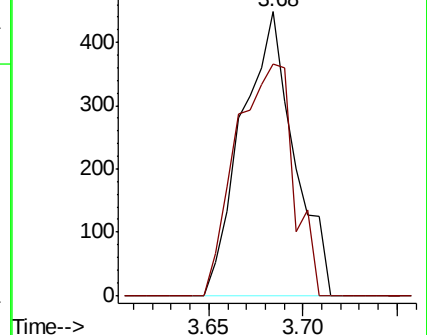
74 100

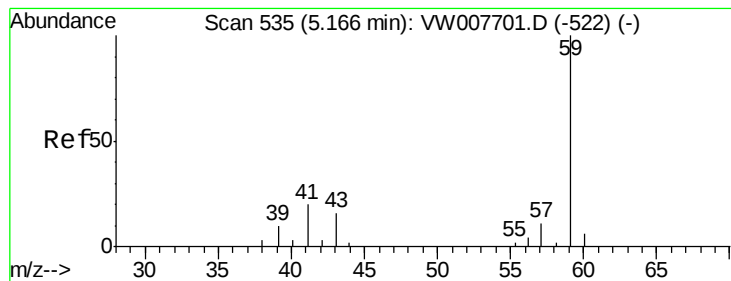
45 89.9 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



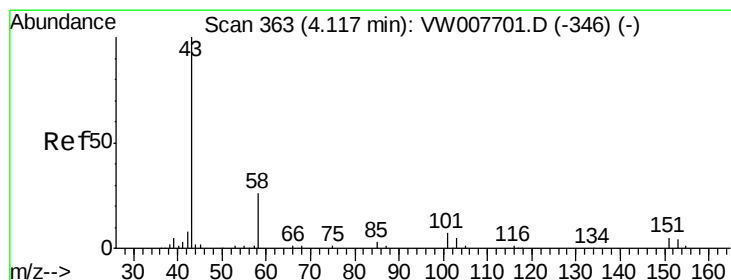
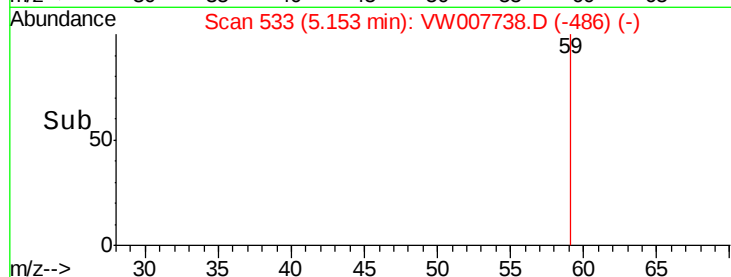
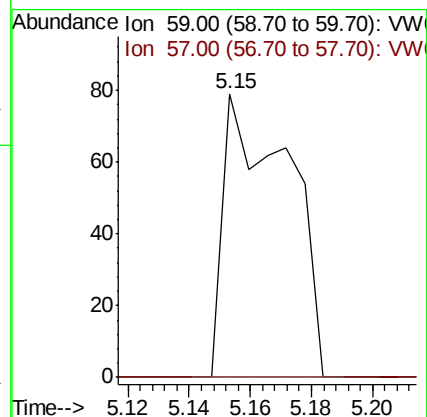
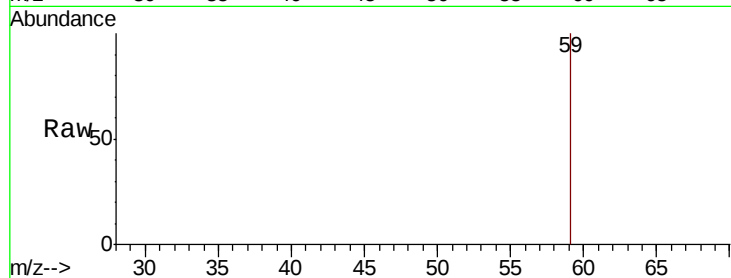


#11

Tert butyl alcohol
 Concen: 2.229 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW007738.D
 Acq: 20 Dec 2018 10:16

Instrument :
 MSVOA_W
 ClientSampled :

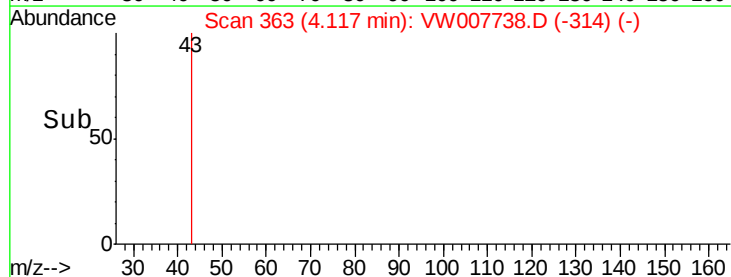
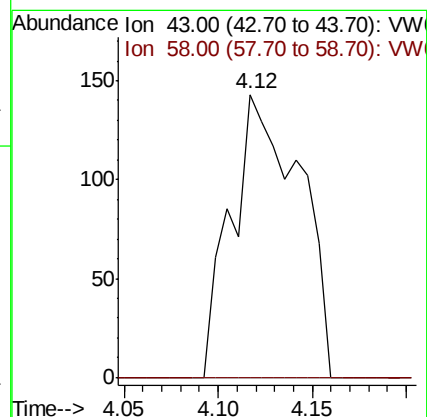
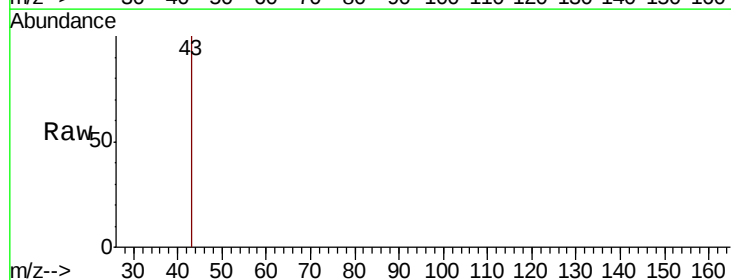
Tot Ion: 59 Resp: 116
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

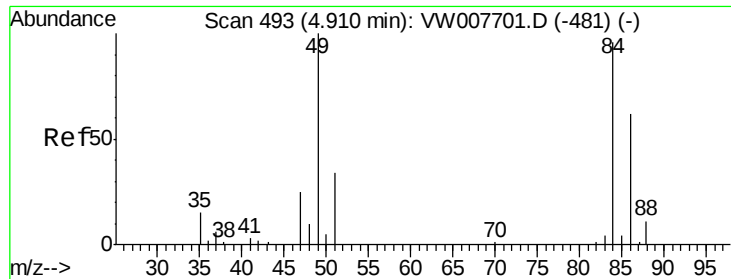


#16

Acetone
 Concen: 2.499 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007738.D
 Acq: 20 Dec 2018 10:16

Tgt Ion: 43 Resp: 361
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.2 31.8#

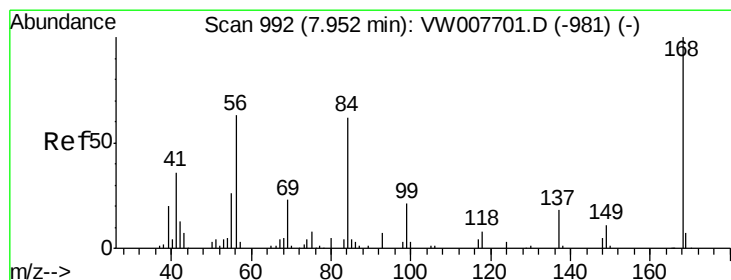
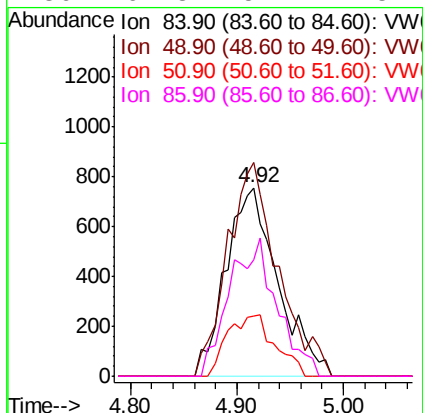
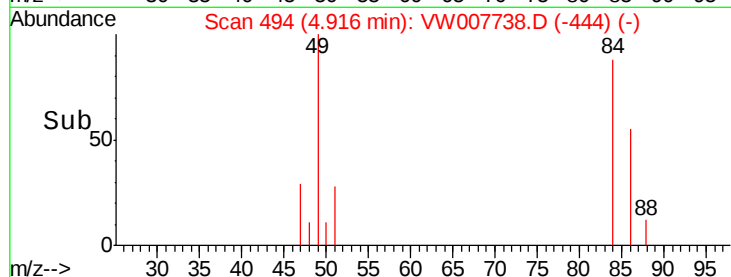
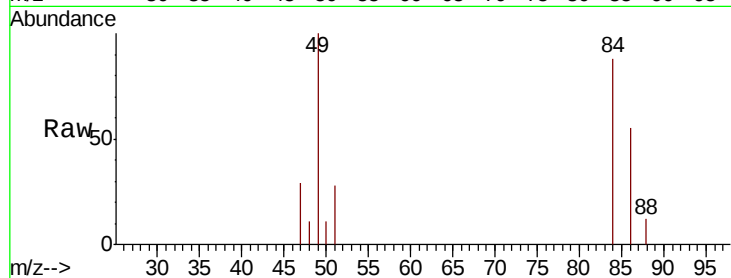




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007738.D
Acq: 20 Dec 2018 10:16

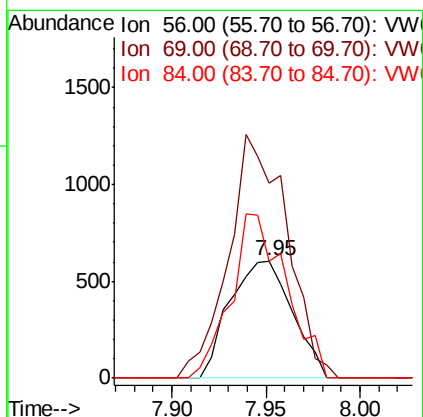
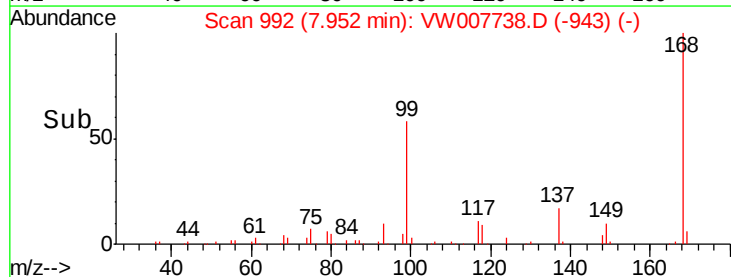
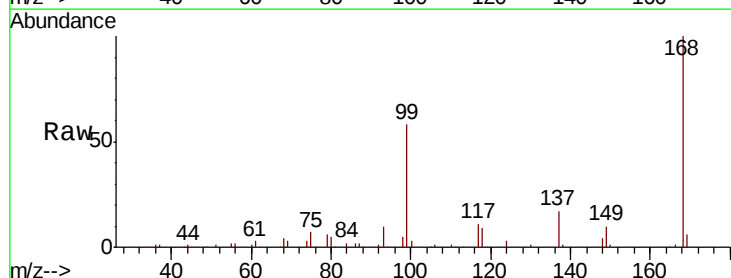
Instrument :
MSVOA_W
ClientSampleId :

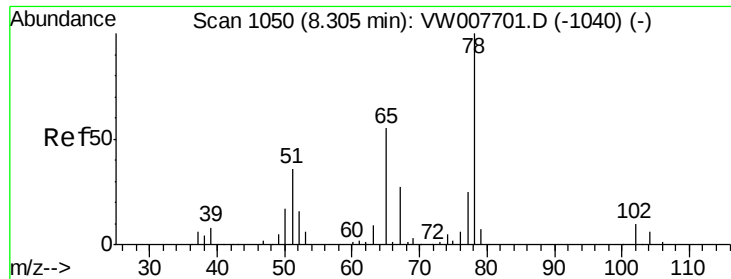
Tot Ion: 84 Resp: 2574
Ion Ratio Lower Upper
84 100
49 113.2 83.7 125.5
51 32.1 28.2 42.2
86 61.8 52.2 78.2



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007738.D
Acq: 20 Dec 2018 10:16

Tgt Ion: 56 Resp: 1390
Ion Ratio Lower Upper
56 100
69 167.2 29.7 44.5#
84 100.3 78.9 118.3

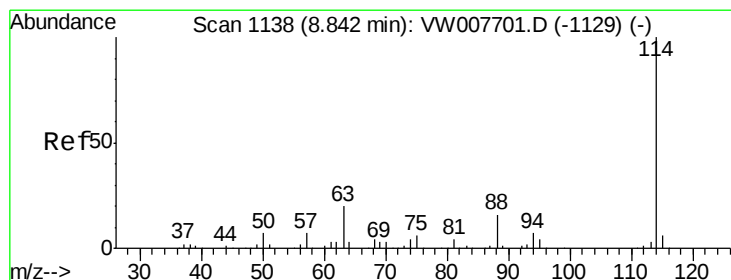
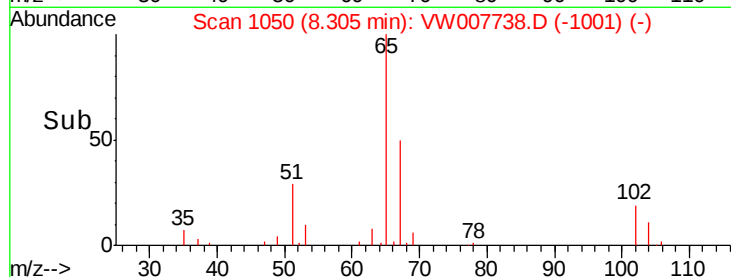
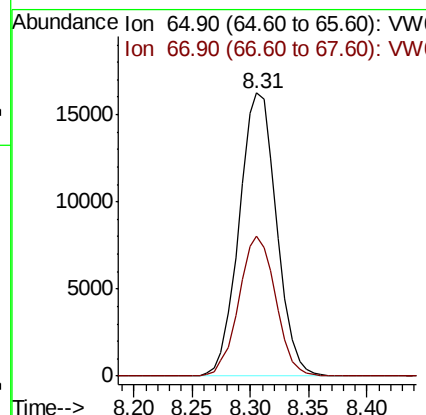
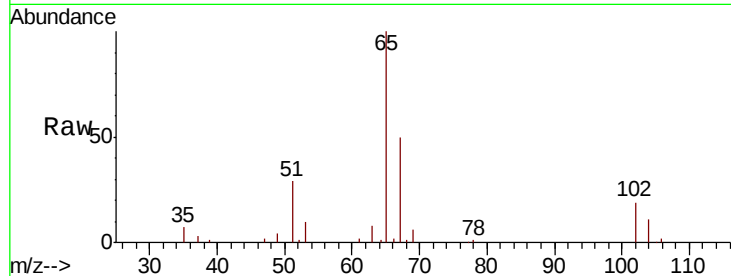




#33
 1,2-Dichloroethane-d4
 Concen: 46.995 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007738.D
 Acq: 20 Dec 2018 10:16

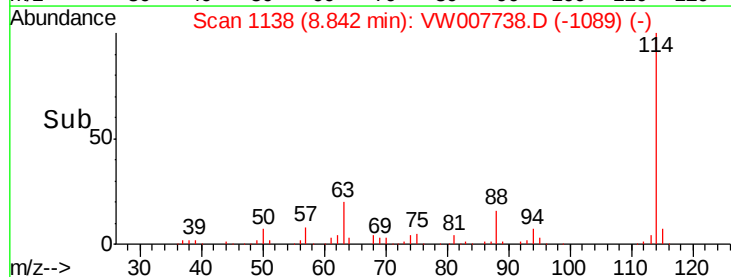
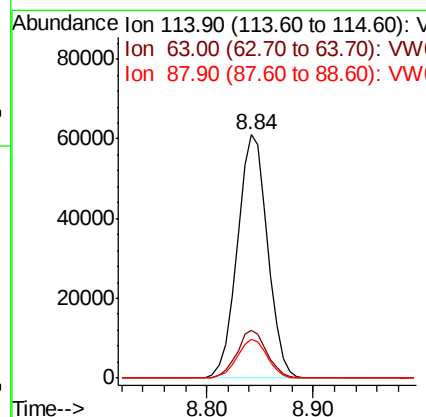
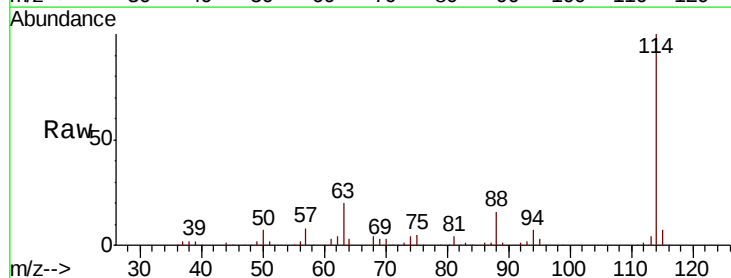
Instrument :
 MSVOA_W
 ClientSampleId :

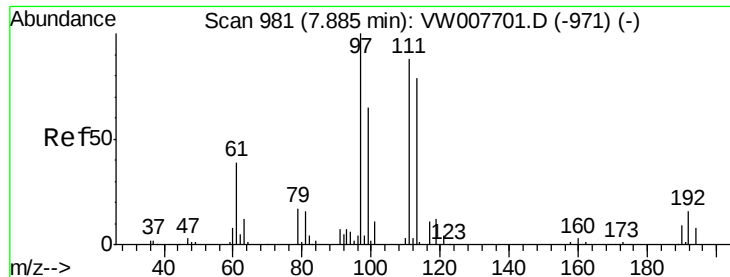
Tot Ion: 65 Resp: 36250
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007738.D
 Acq: 20 Dec 2018 10:16

Tgt Ion: 114 Resp: 121302
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 43.874 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007738.D

Acq: 20 Dec 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

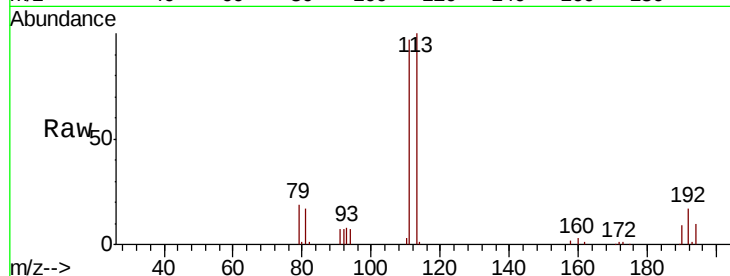
Tot Ion:113 Resp: 32467

Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

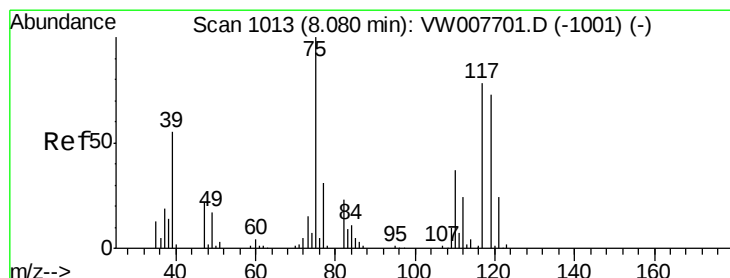
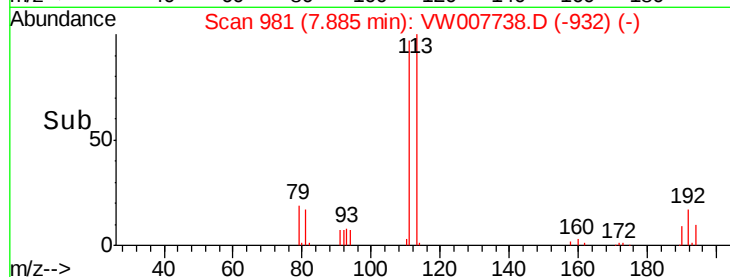
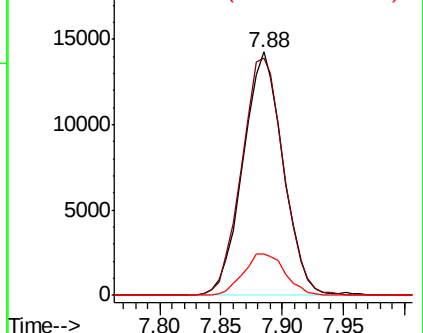
192 17.9 15.5 23.3



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: 4.507 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007738.D

Acq: 20 Dec 2018 10:16

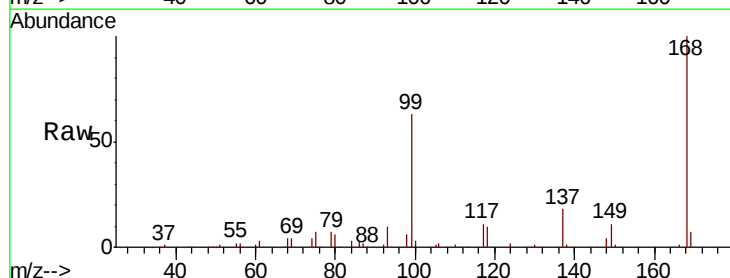
Tgt Ion: 75 Resp: 5277

Ion Ratio Lower Upper

75 100

110 11.0 18.6 55.8#

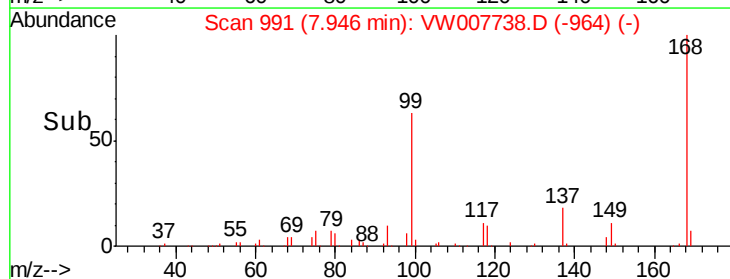
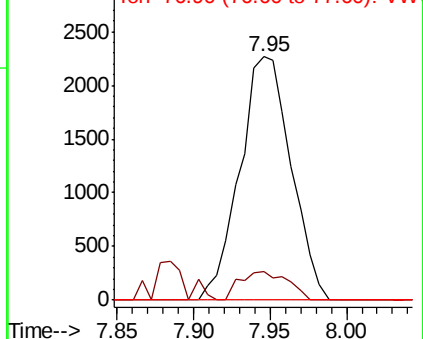
77 0.0 25.0 37.4#

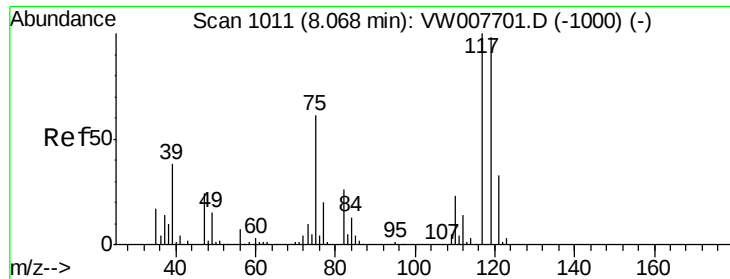


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

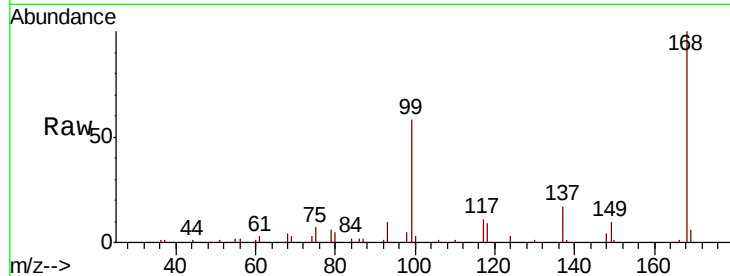




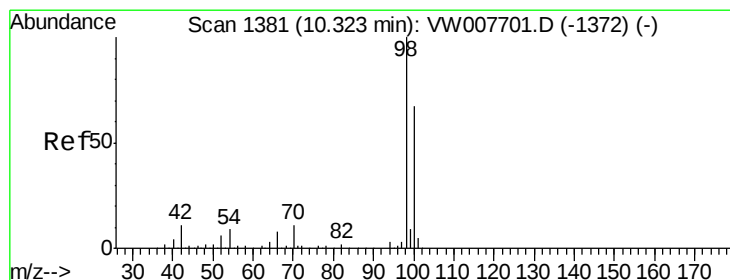
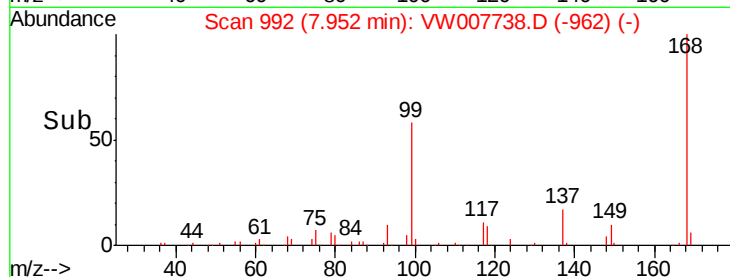
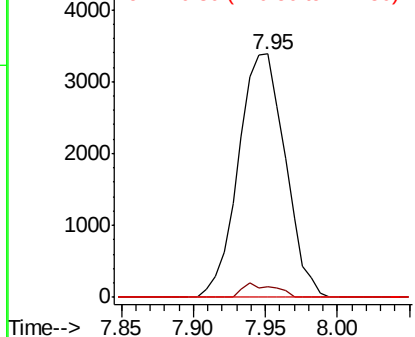
#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007738.D
Acq: 20 Dec 2018 10:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 7613
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 26.1 39.1#

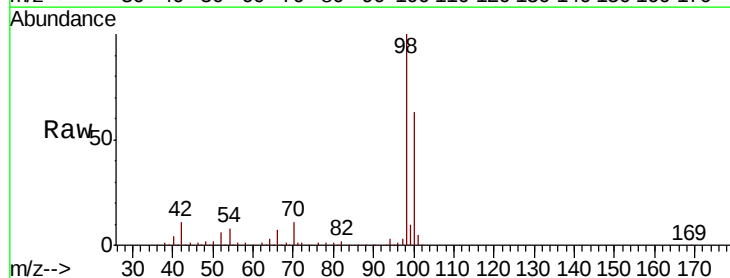


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

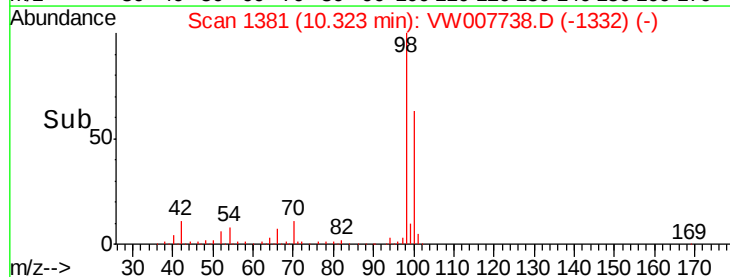
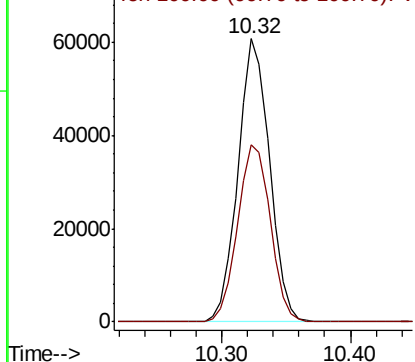


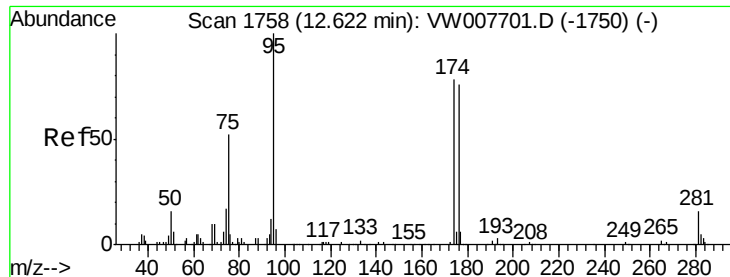
#50
Toluene-d8
Concen: 36.887 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007738.D
Acq: 20 Dec 2018 10:16

Tgt Ion: 98 Resp: 102905
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



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





#62

4-Bromofluorobenzene

Concen: 34.619 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007738.D

Acq: 20 Dec 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

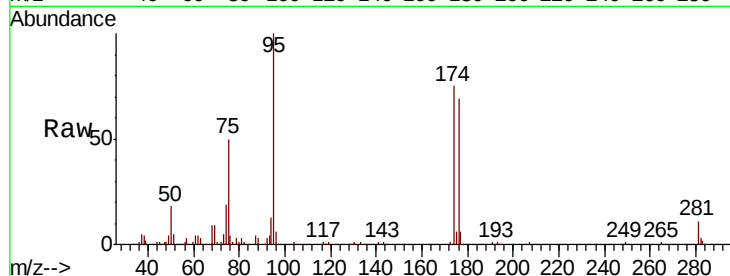
Tot Ion: 95 Resp: 37310

Ion Ratio Lower Upper

95 100

174 77.3 0.0 152.2

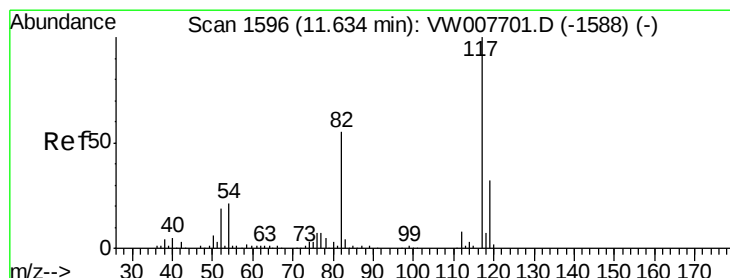
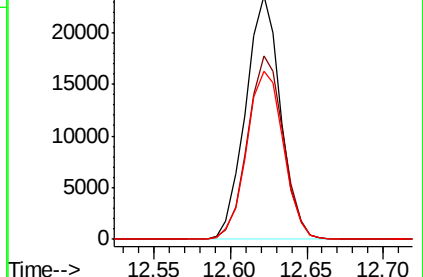
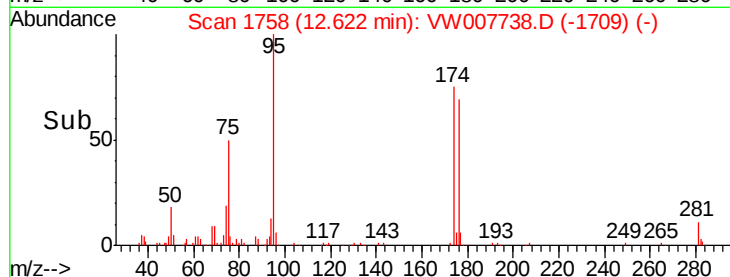
176 72.7 0.0 146.8



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: VW007738.D

Acq: 20 Dec 2018 10:16

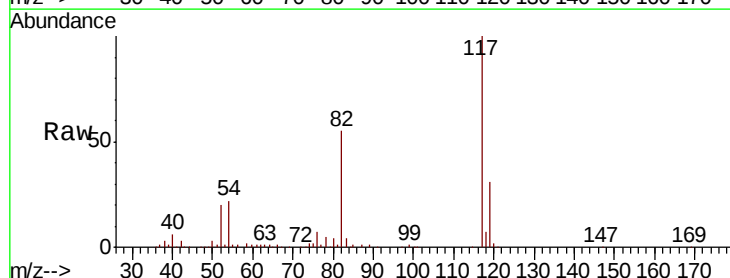
Tgt Ion: 117 Resp: 101932

Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

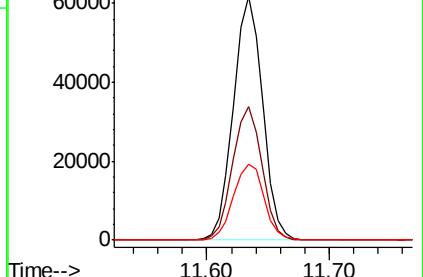
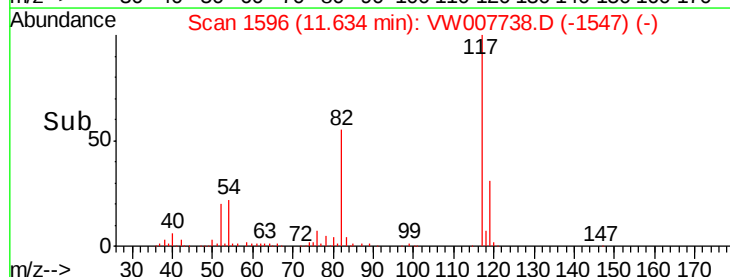
119 30.7 25.7 38.5

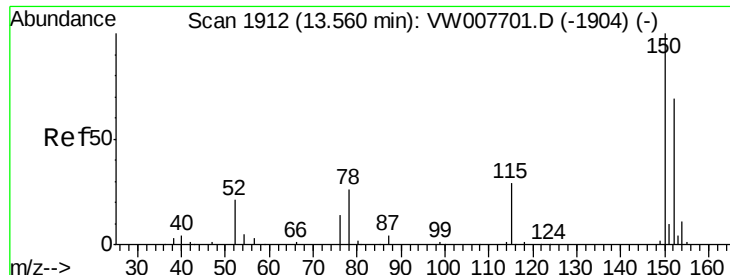


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW007738.D

Acq: 20 Dec 2018 10:16

Instrument :

MSVOA_W

ClientSampled :

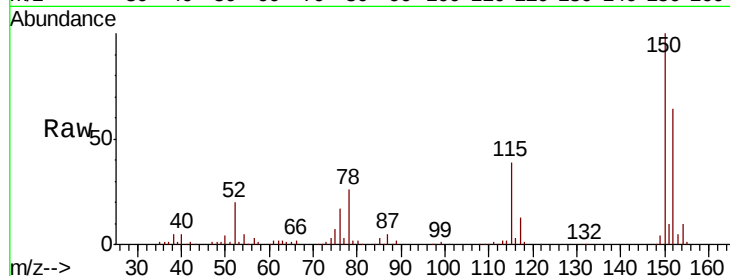
Tot Ion:152 Resp: 43925

Ion Ratio Lower Upper

152 100

115 61.8 31.8 95.4

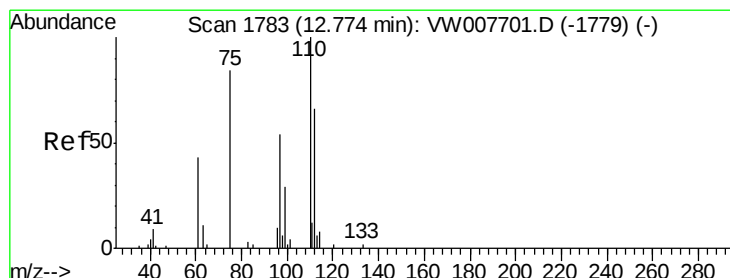
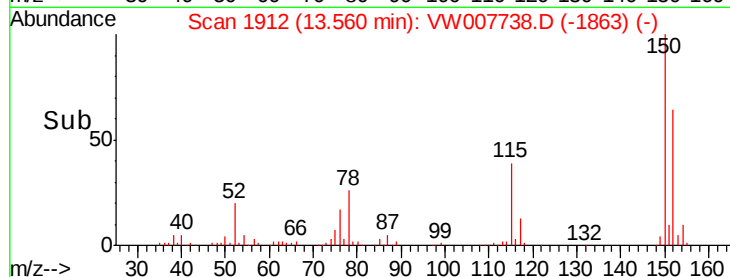
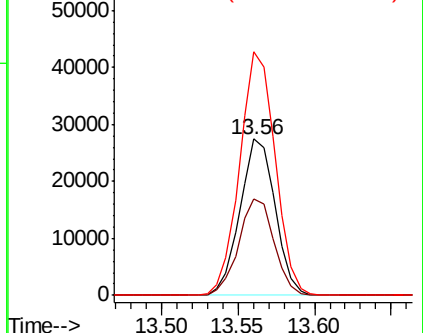
150 156.8 0.0 350.8



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: 56.212 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007738.D

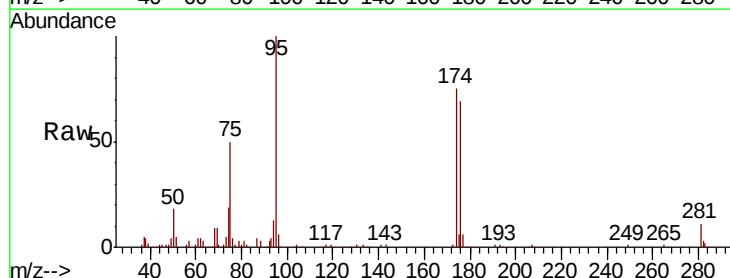
Acq: 20 Dec 2018 10:16

Tgt Ion: 75 Resp: 19084

Ion Ratio Lower Upper

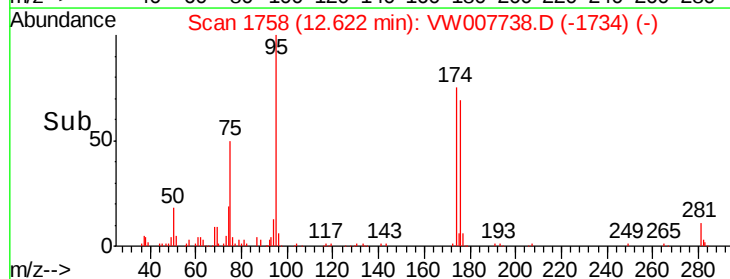
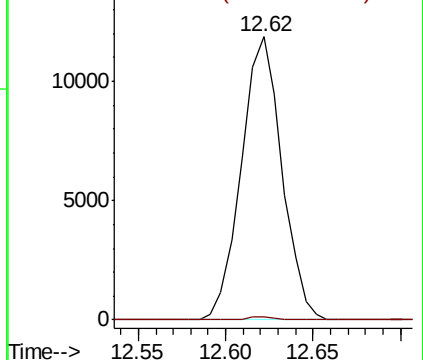
75 100

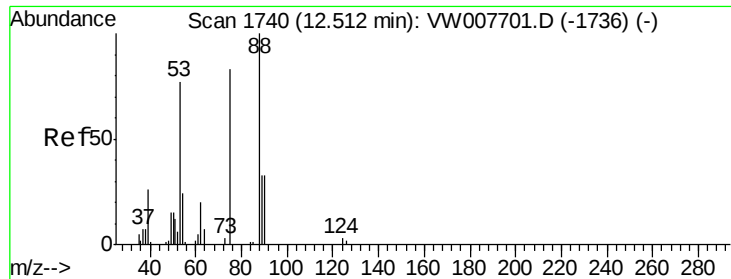
77 0.6 0.0 0.0#



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: 117.994 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007738.D

Acq: 20 Dec 2018 10:16

Instrument :

MSVOA_W

ClientSampleId :

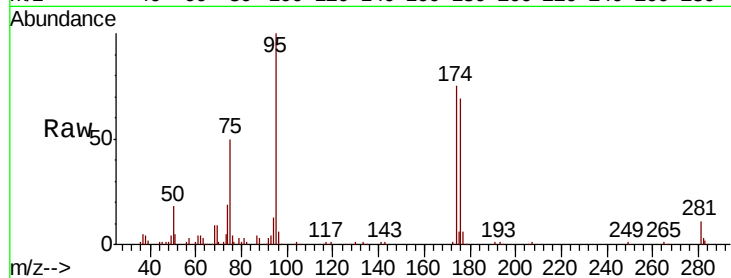
Tot Ion: 75 Resp: 19084

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



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

