

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007204.D
 Acq On : 05 Dec 2018 00:35
 Operator : SY/AP
 Sample : VW1204SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBL02

Quant Time: Dec 05 07:24:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	112041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	181280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81459	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	51291	49.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.34%	
35) Dibromofluoromethane	7.88	113	47779	46.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.06%	
50) Toluene-d8	10.32	98	213731	46.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	12.62	95	79567	46.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.20%	

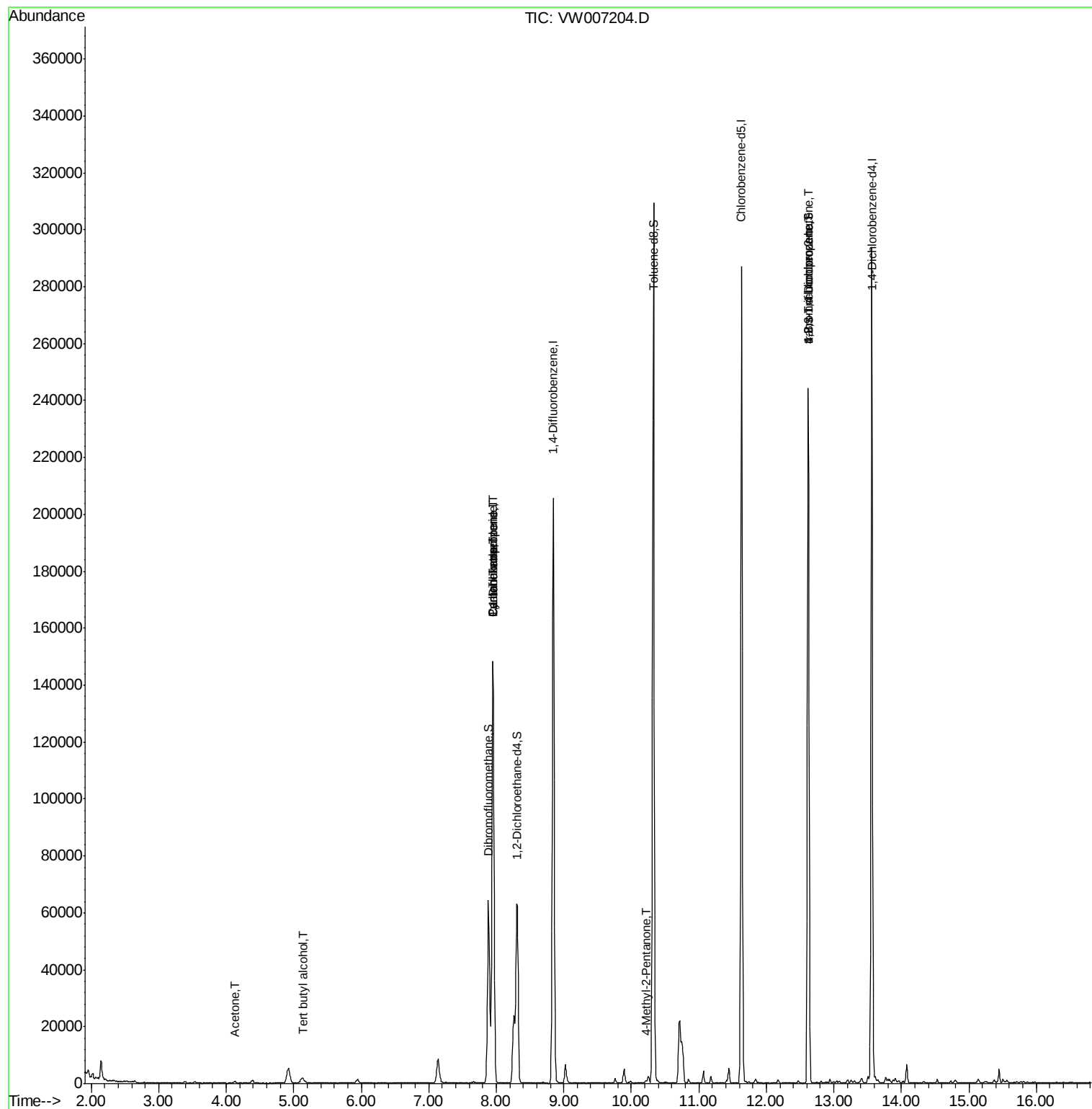
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	2296	4.467	ug/l #	75
16) Acetone	4.14	43	1399	5.665	ug/l	95
20) Methylene Chloride	4.93	84	4409	Below Cal		89
31) Cyclohexane	7.95	56	2232	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8400	4.762	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11549	6.415	ug/l #	16
51) 4-Methyl-2-Pentanone	10.22	43	713	1.168	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	38682	31.599	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38682	132.183	ug/l #	13

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

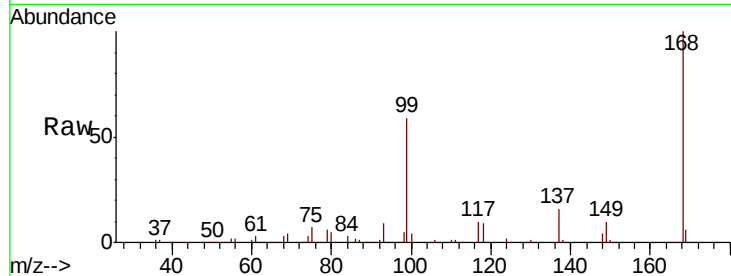
VW1204SBL02

Tot Ion:168 Resp: 112041

Ion Ratio Lower Upper

168 100

99 58.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

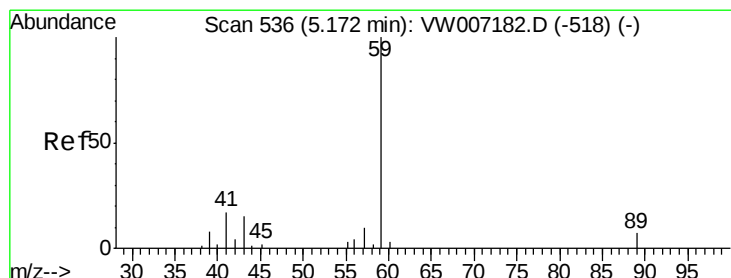
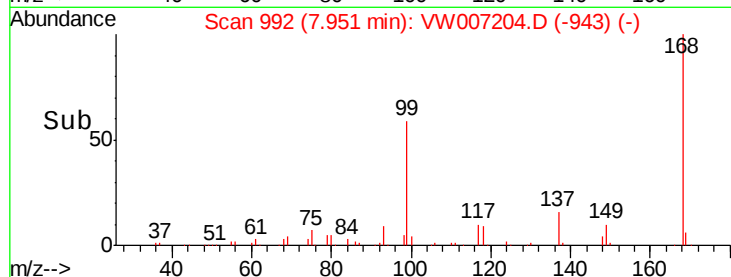
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 4.467 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW007204.D

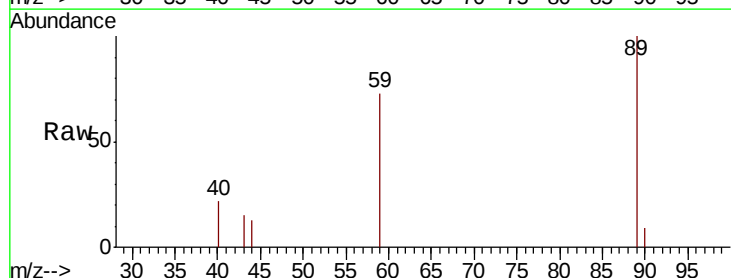
Acq: 05 Dec 2018 00:35

Tgt Ion: 59 Resp: 2296

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

600

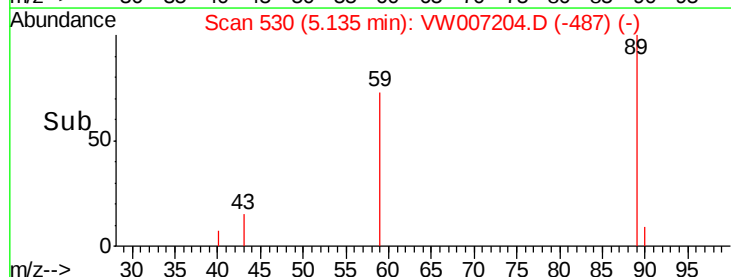
400

200

0

Time-->

5.00 5.10 5.20





#16

Acetone

Concen: 5.665 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

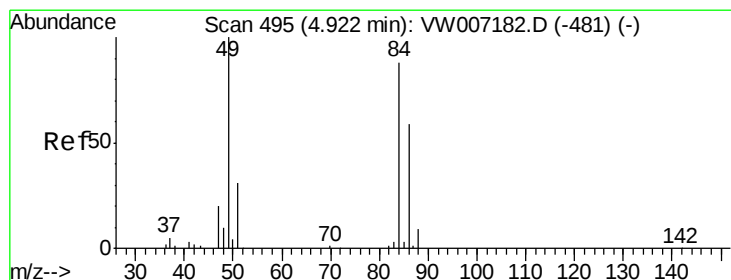
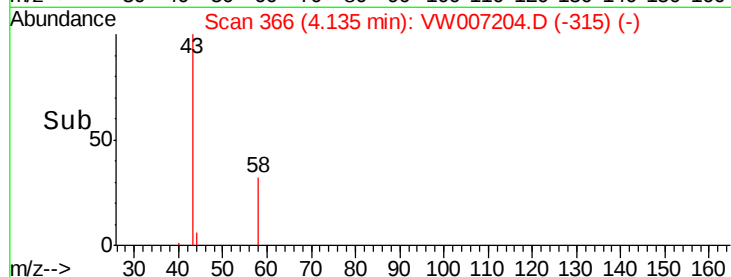
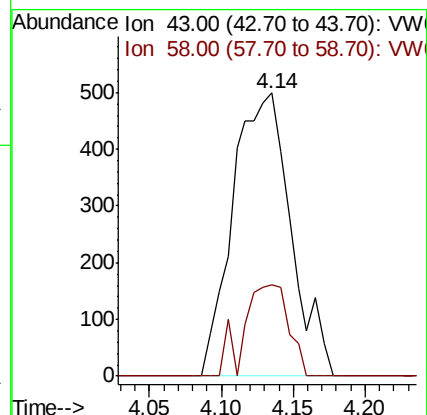
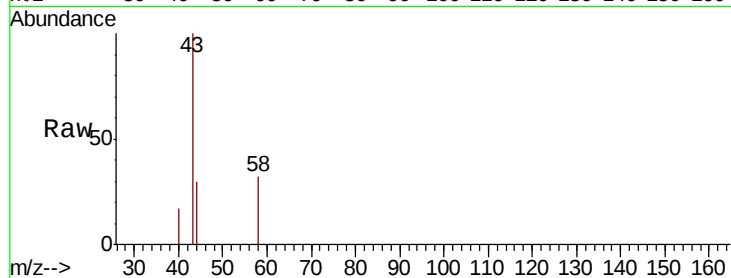
VW1204SBL02

Tot Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

58 32.5 23.8 35.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Tgt Ion: 84 Resp: 4409

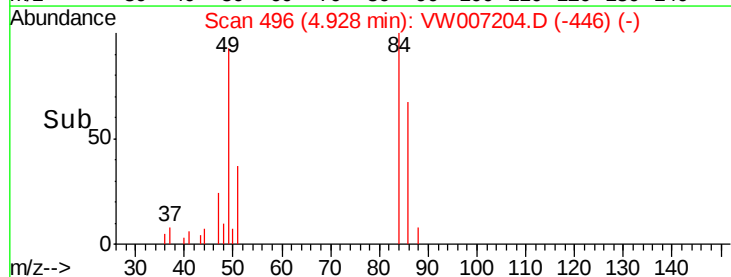
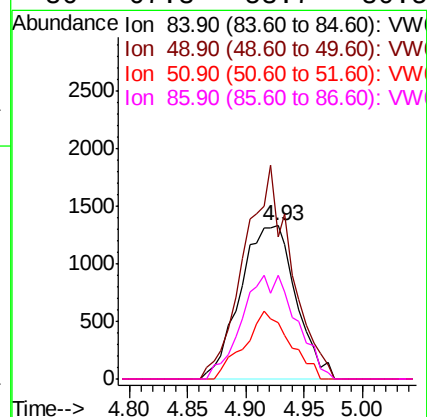
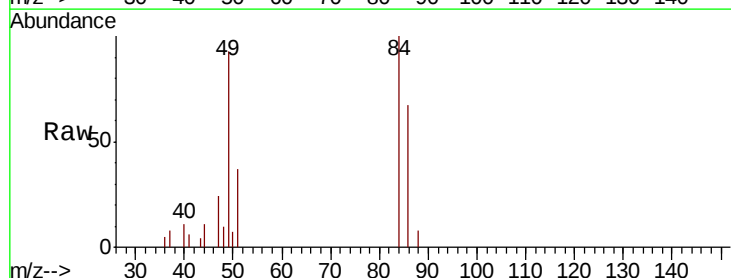
Ion Ratio Lower Upper

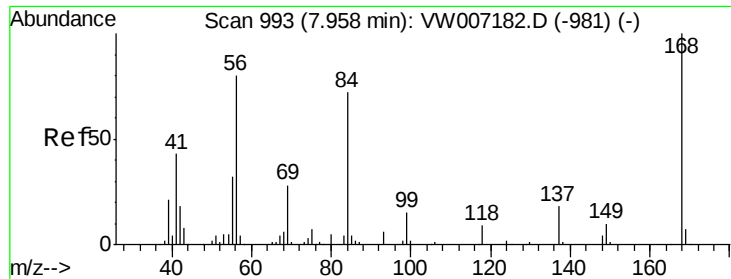
84 100

49 92.9 90.6 135.8

51 36.5 27.6 41.4

86 67.3 53.7 80.5

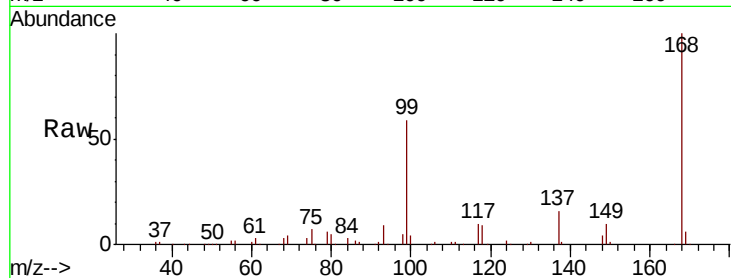




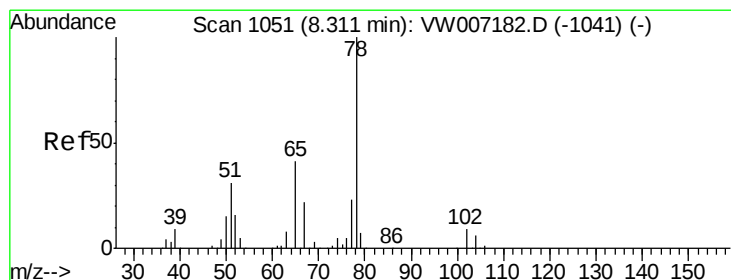
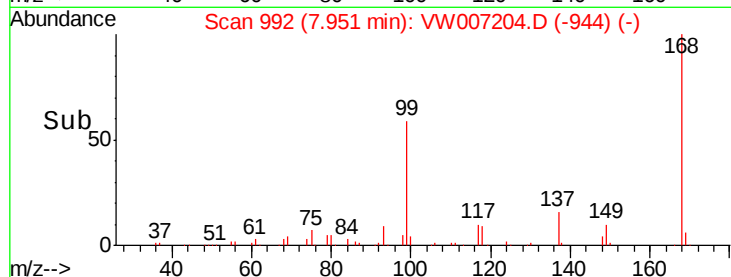
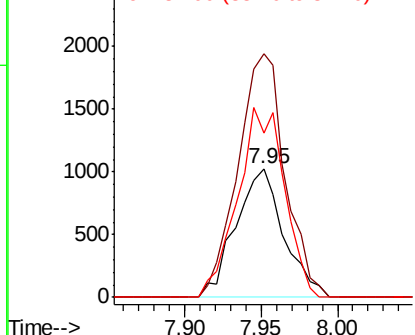
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007204.D
Acq: 05 Dec 2018 00:35

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBL02

Tot Ion: 56 Resp: 2232
Ion Ratio Lower Upper
56 100
69 189.0 28.2 42.2#
84 127.4 72.1 108.1#

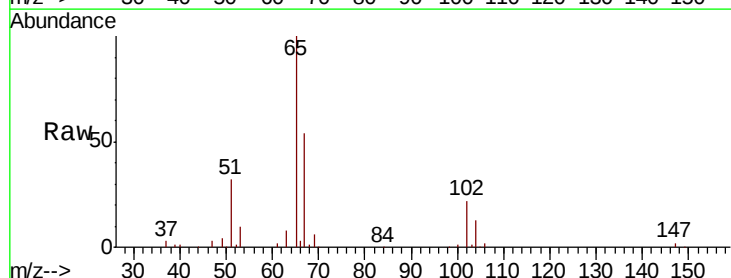


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

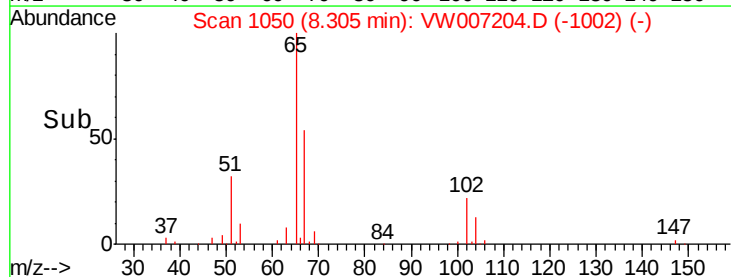
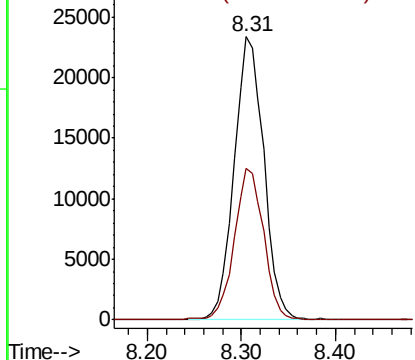


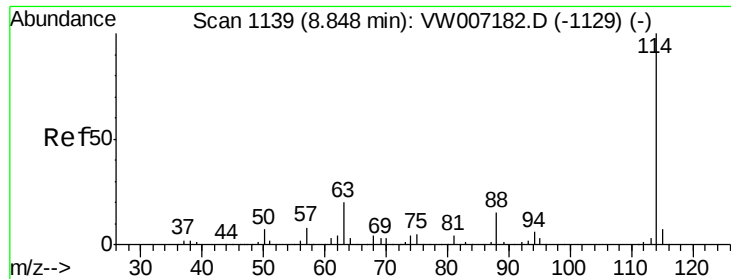
#33
1,2-Dichloroethane-d4
Concen: 49.169 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW007204.D
Acq: 05 Dec 2018 00:35

Tgt Ion: 65 Resp: 51291
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4



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

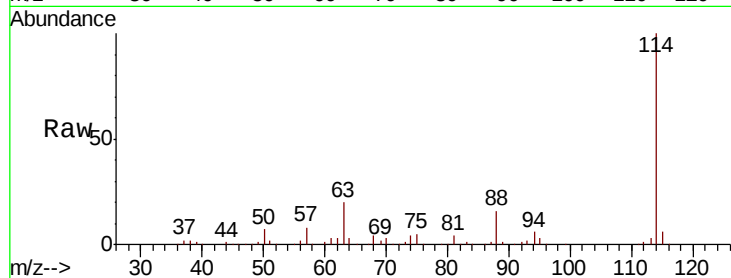




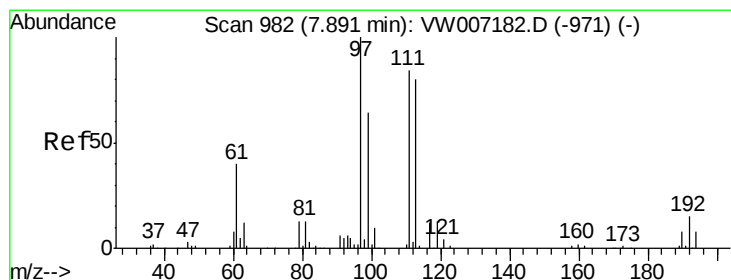
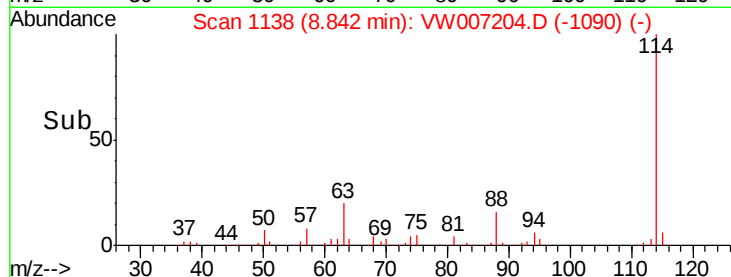
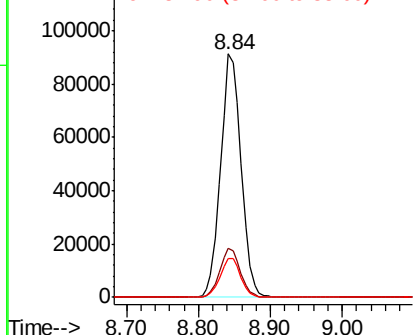
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007204.D
 Acq: 05 Dec 2018 00:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBL02

Tot Ion:114 Resp: 181280
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.9 0.0 30.0

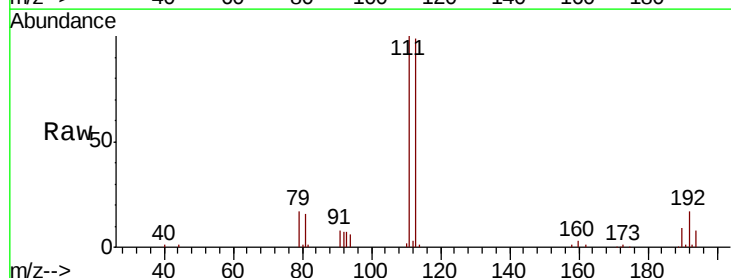


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

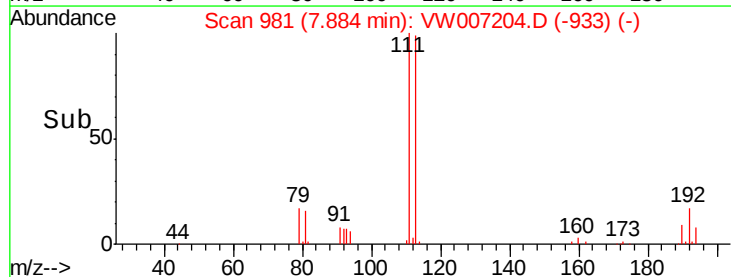
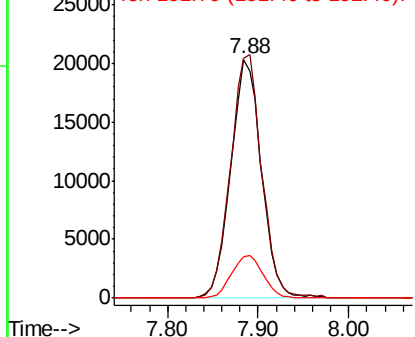


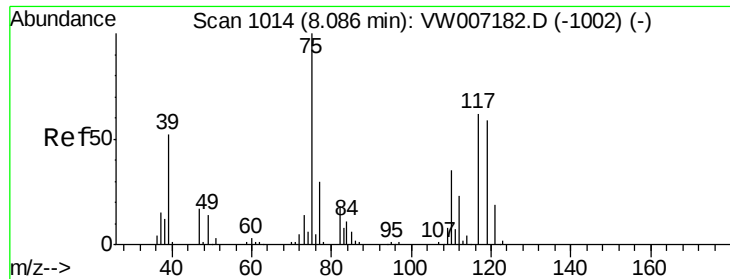
#35
 Dibromofluoromethane
 Concen: 46.030 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007204.D
 Acq: 05 Dec 2018 00:35

Tgt Ion:113 Resp: 47779
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 18.3 14.4 21.6



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: 4.762 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBL02

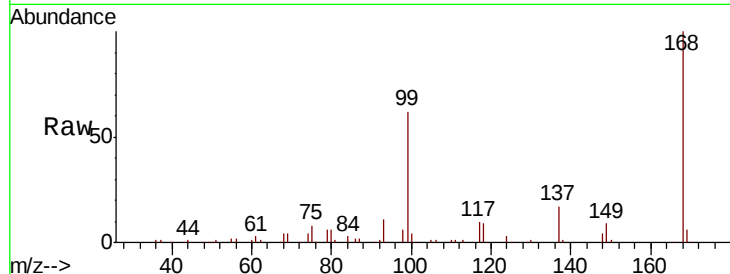
Tot Ion: 75 Resp: 8400

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.9#

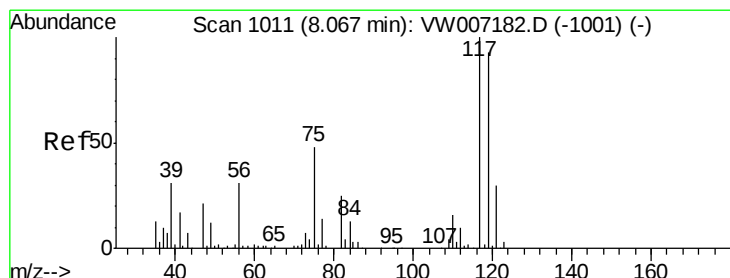
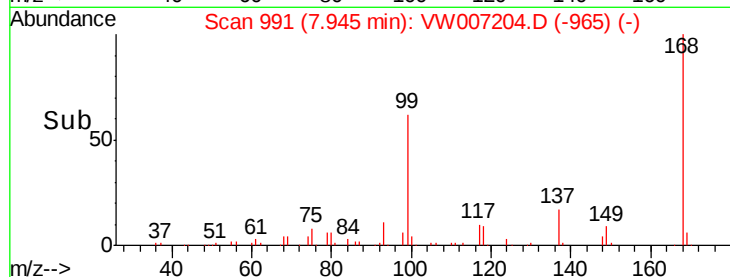
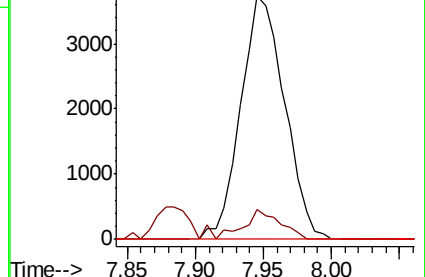
77 0.0 24.9 37.3#



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: 6.415 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

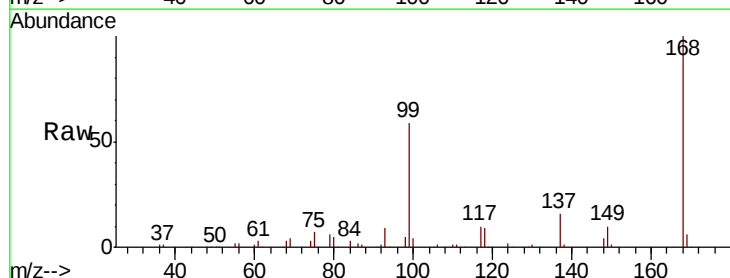
Tgt Ion: 117 Resp: 11549

Ion Ratio Lower Upper

117 100

119 3.8 74.1 111.1#

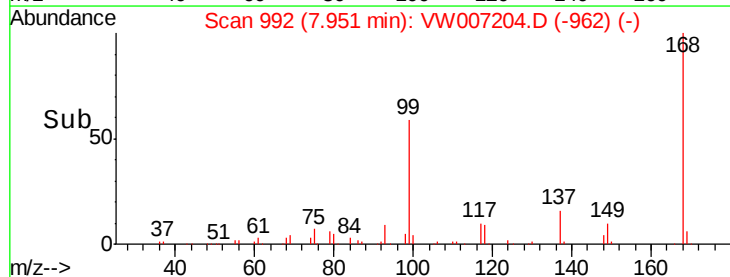
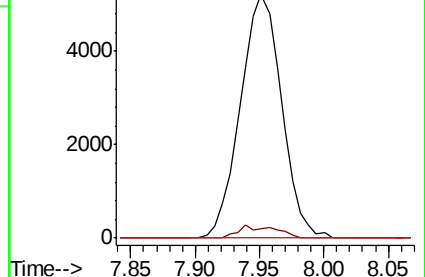
121 0.0 23.9 35.9#

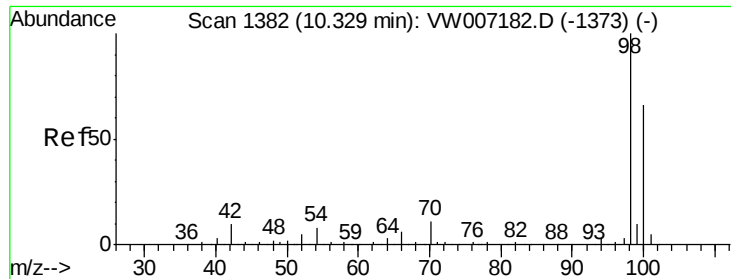


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.744 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

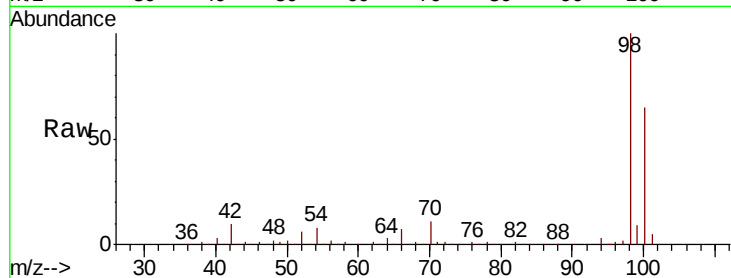
VW1204SBL02

Tot Ion: 98 Resp: 213731

Ion Ratio Lower Upper

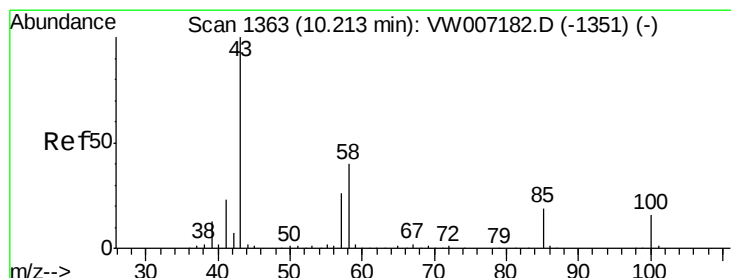
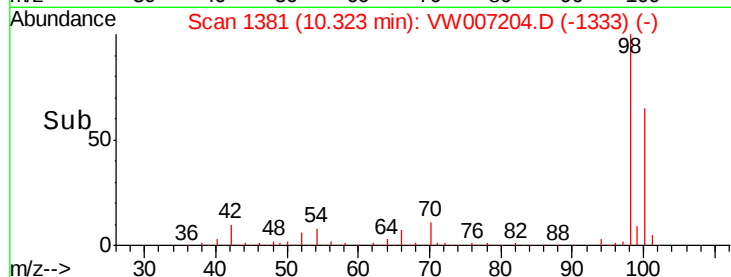
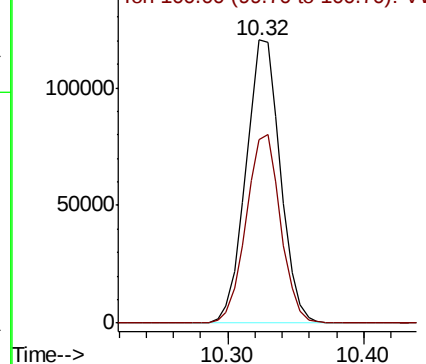
98 100

100 66.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.168 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007204.D

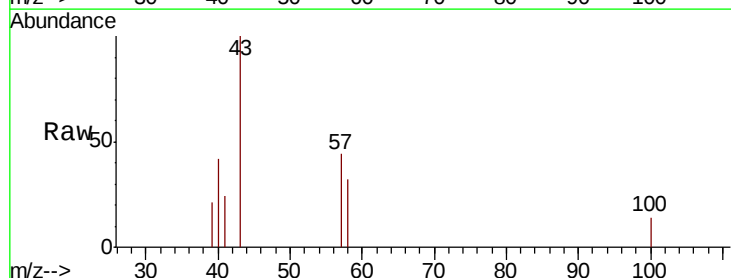
Acq: 05 Dec 2018 00:35

Tgt Ion: 43 Resp: 713

Ion Ratio Lower Upper

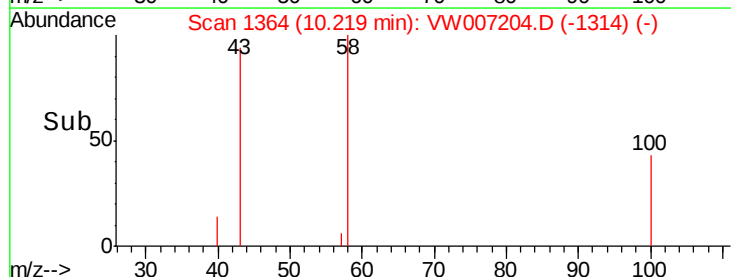
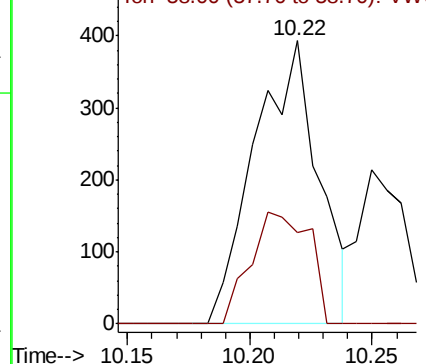
43 100

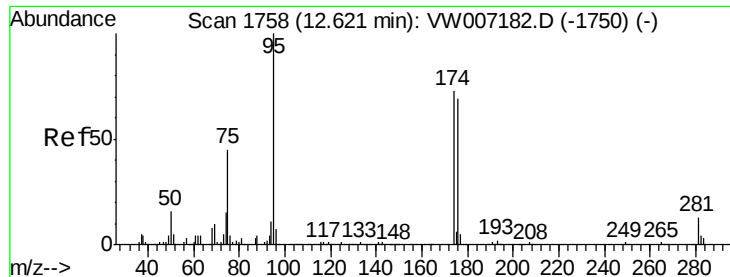
58 36.3 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 46.104 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBL02

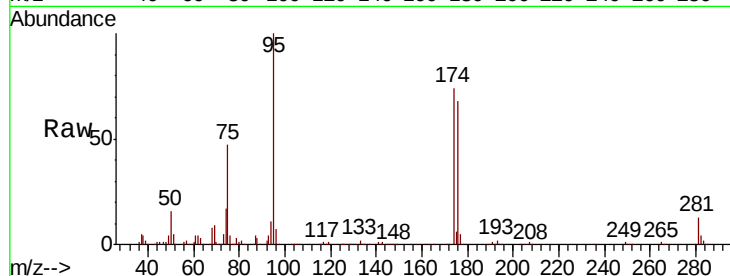
Tot Ion: 95 Resp: 79567

Ion Ratio Lower Upper

95 100

174 75.1 0.0 148.0

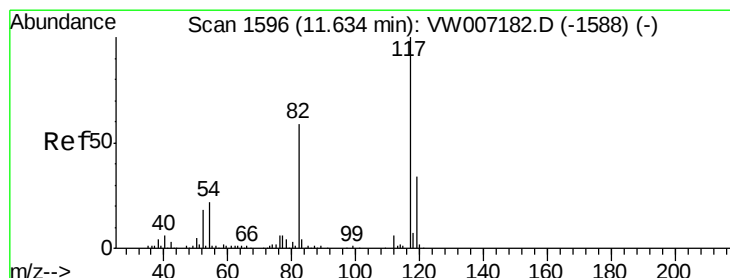
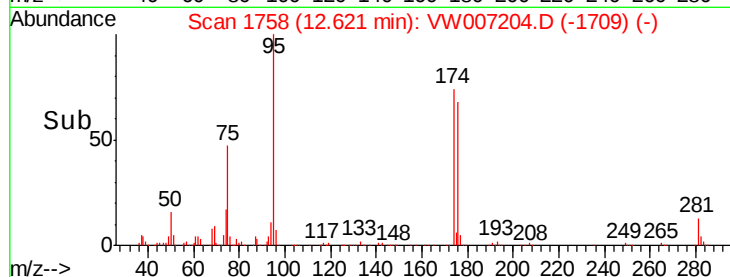
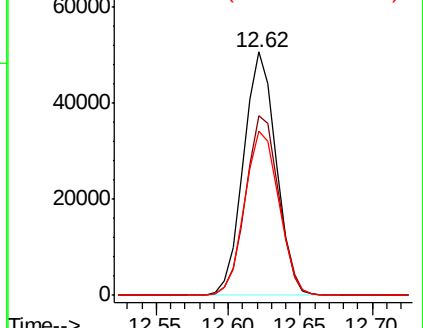
176 70.8 0.0 139.4



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: VW007204.D

Acq: 05 Dec 2018 00:35

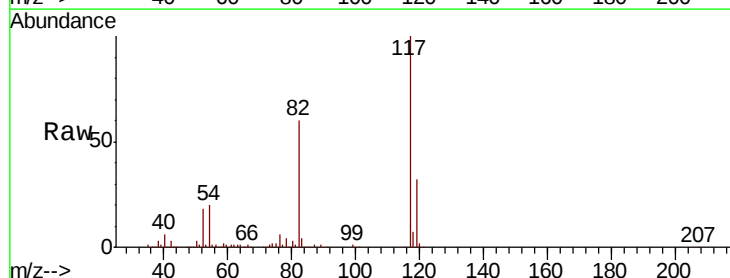
Tgt Ion: 117 Resp: 161076

Ion Ratio Lower Upper

117 100

82 59.6 47.4 71.2

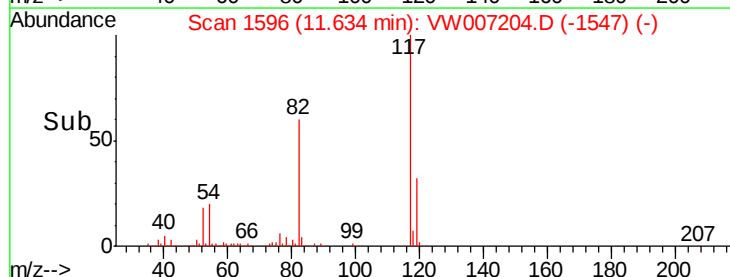
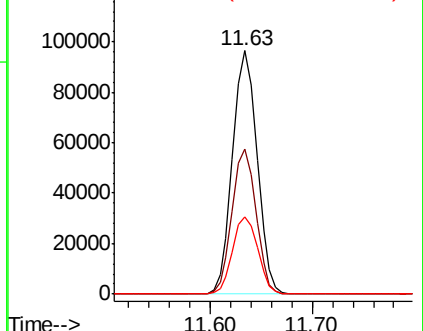
119 31.9 26.8 40.2

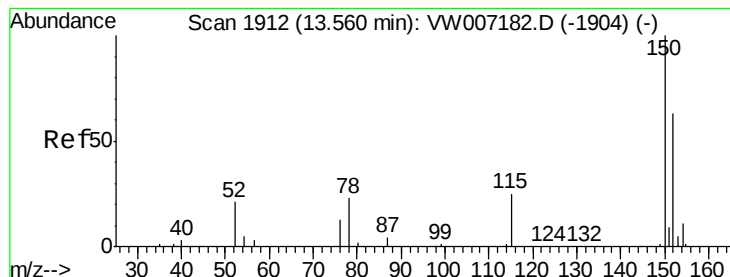


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBL02

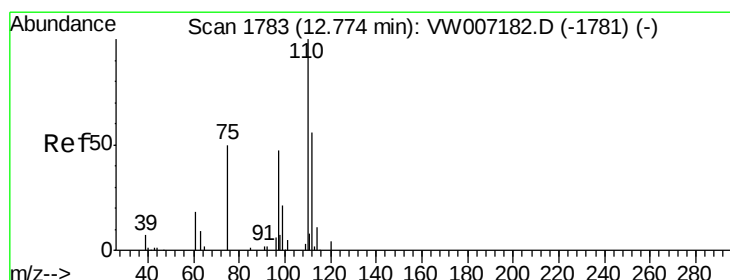
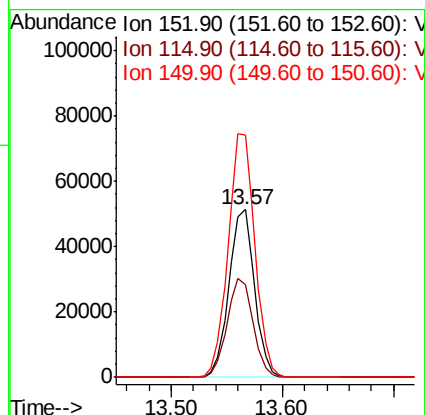
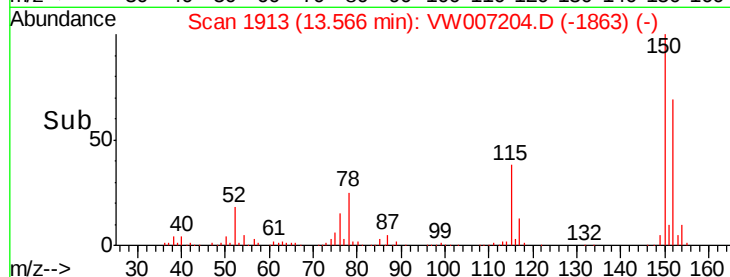
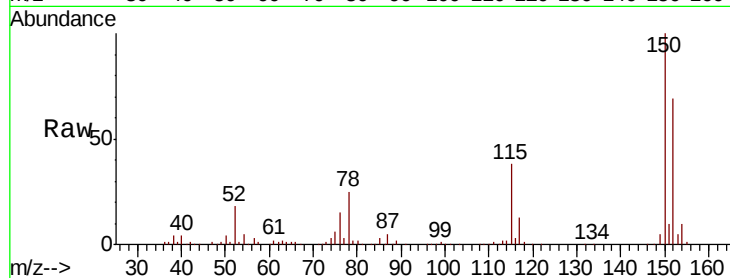
Tot Ion:152 Resp: 81459

Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 151.5 0.0 358.0



#76

1,2,3-Trichloropropane

Concen: 31.599 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007204.D

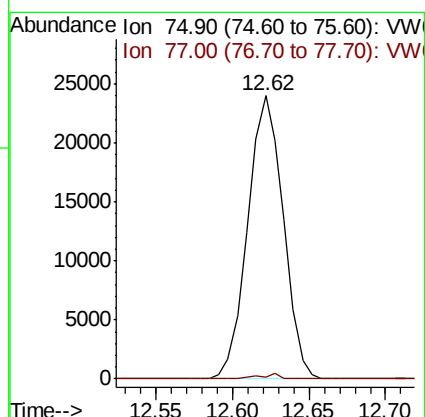
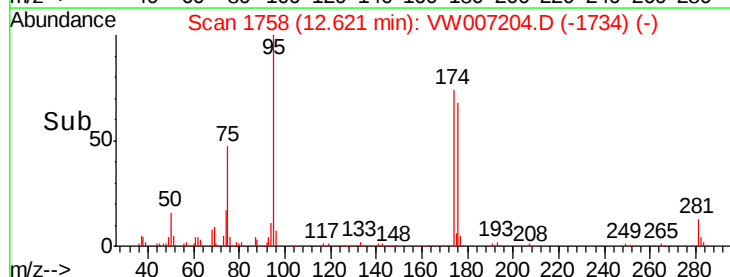
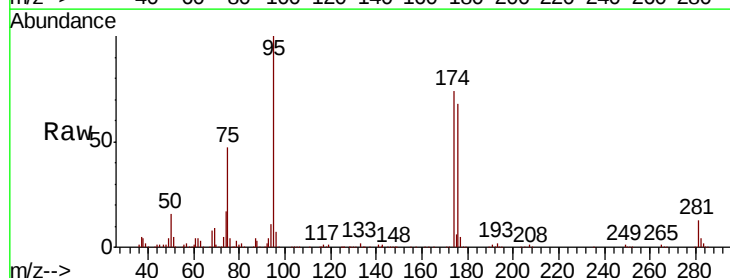
Acq: 05 Dec 2018 00:35

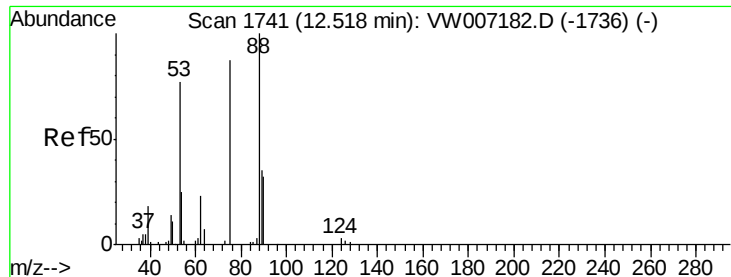
Tgt Ion: 75 Resp: 38682

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007204.D

Acq: 05 Dec 2018 00:35

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBL02

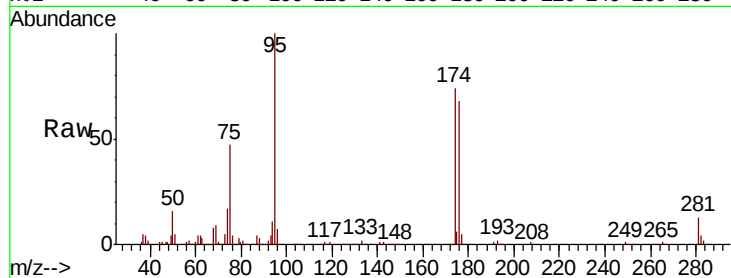
Tot Ion: 75 Resp: 38682

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.2 36.4 54.6#



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

