

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003942.D
 Acq On : 14 Jul 2018 03:05
 Operator : VA/AP
 Sample : J3958-07
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 04:19:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	320790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	141583	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	123881	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.88	113	1425	0.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.26%	
50) Toluene-d8	10.33	98	378130	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
62) 4-Bromofluorobenzene	12.62	95	130022	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	

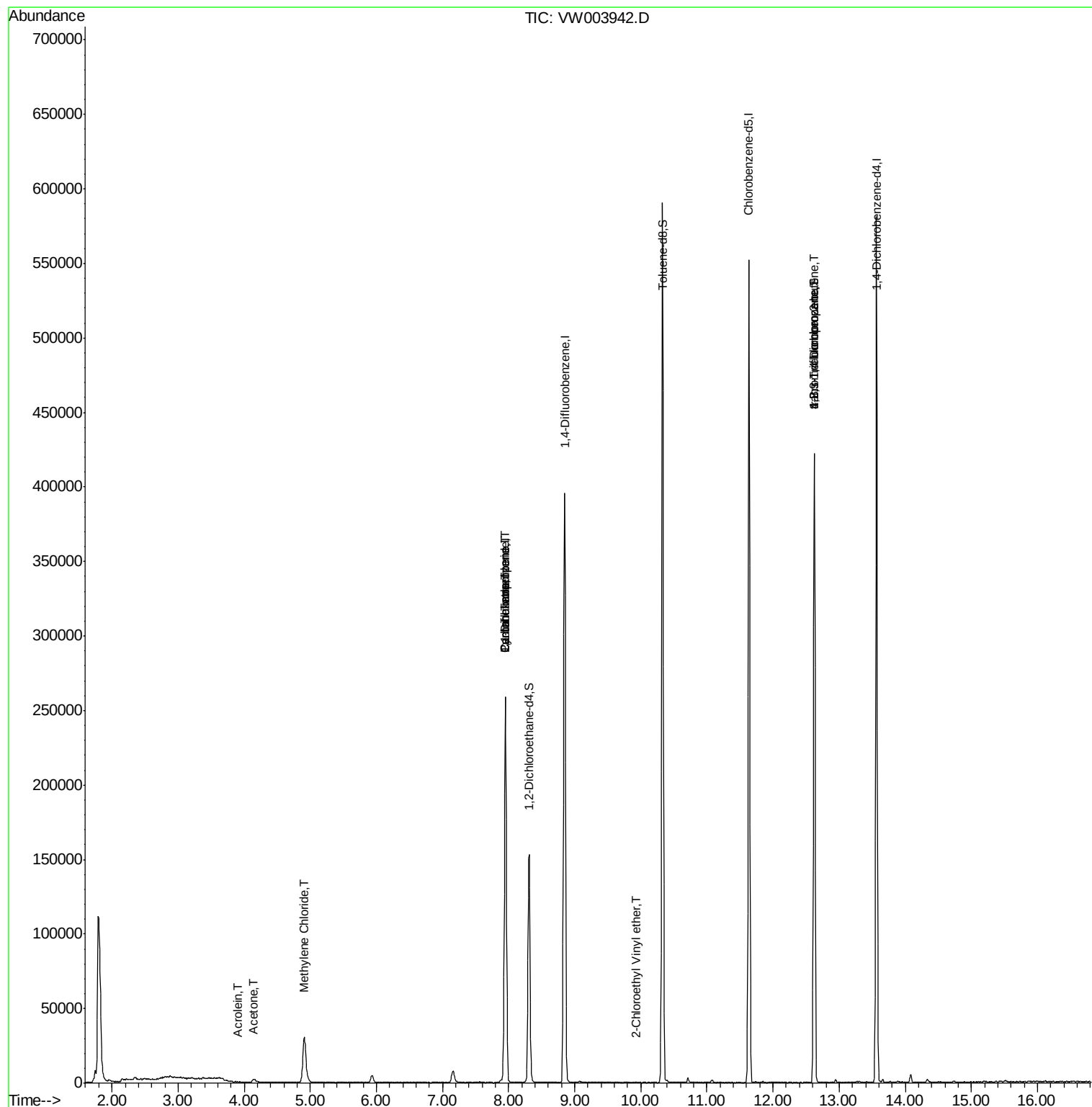
Target Compounds					Qvalue	
13) Acrolein	3.90	56	19	4.828	ug/l #	14
16) Acetone	4.14	43	4433	10.498	ug/l #	85
20) Methylene Chloride	4.91	84	24641	8.319	ug/l	97
31) Cyclohexane	7.95	56	4909	1.382	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	15823	4.649	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19097	5.901	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.92	63	119	13.263	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	69918	50.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69918	123.019	ug/l #	8

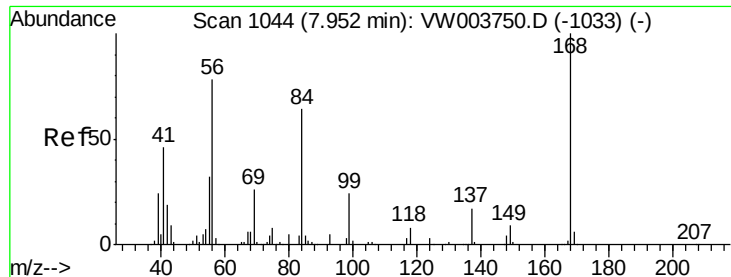
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071318\
Data File : VW003942.D
Acq On : 14 Jul 2018 03:05
Operator : VA/AP
Sample : J3958-07
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 14 04:19:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

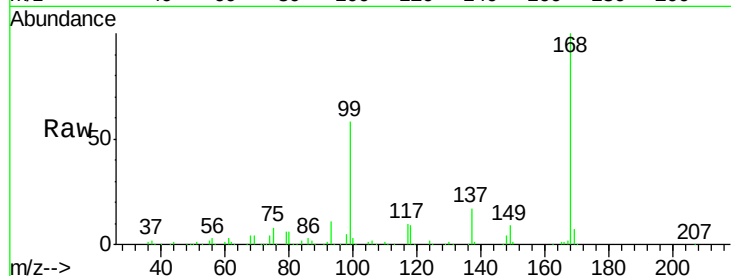
ClientSampleId :

Tot Ion:168 Resp: 186109

Ion Ratio Lower Upper

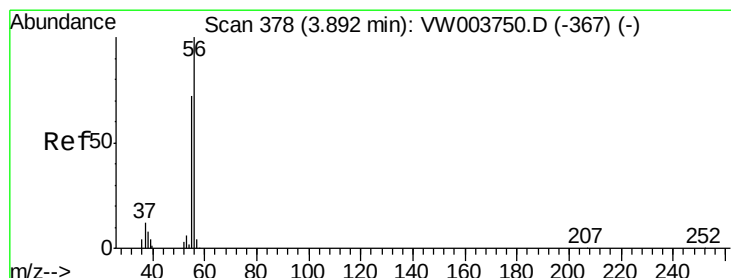
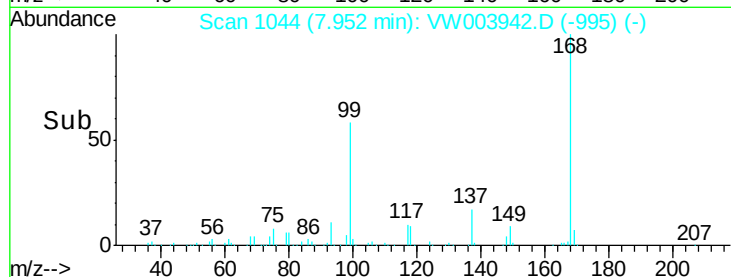
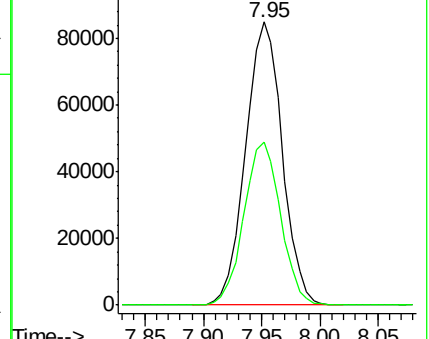
168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 4.828 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003942.D

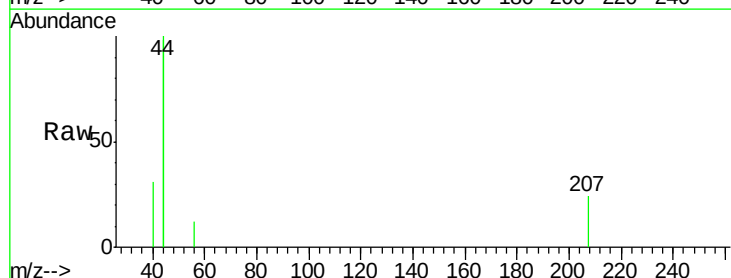
Acq: 14 Jul 2018 03:05

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

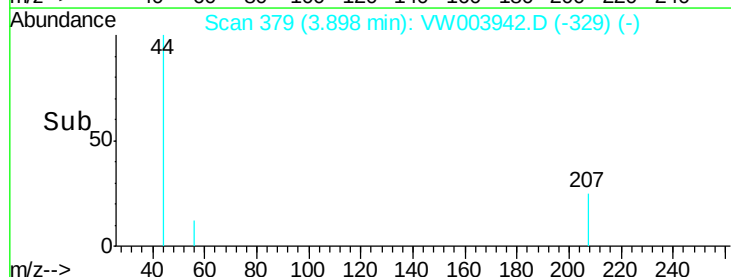
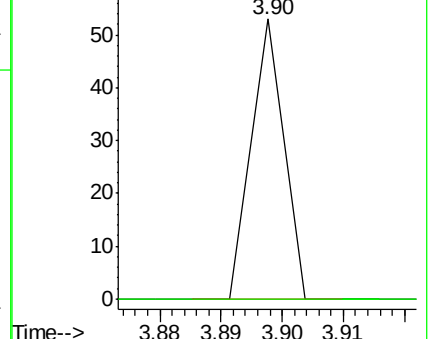
56 100

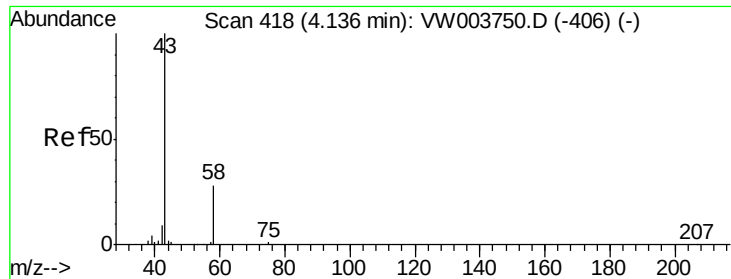
55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 10.498 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

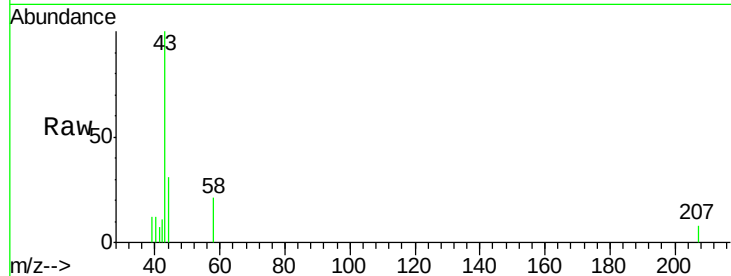
ClientSampled :

Tot Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

58 20.5 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1500

1000

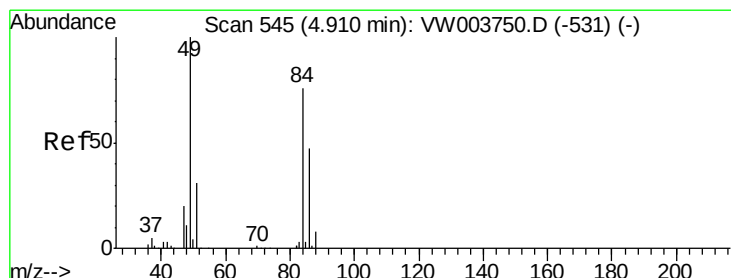
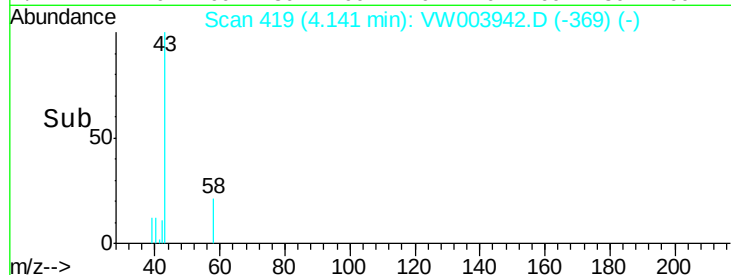
500

0

Time-->

4.10

4.20



#20

Methylene Chloride

Concen: 8.319 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Tgt Ion: 84 Resp: 24641

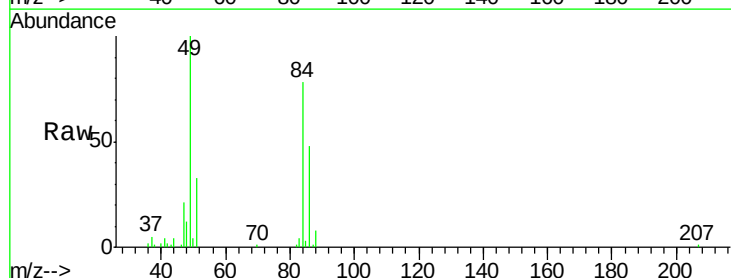
Ion Ratio Lower Upper

84 100

49 127.5 105.1 157.7

51 42.4 32.5 48.7

86 60.9 49.8 74.6



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

10000

5000

0

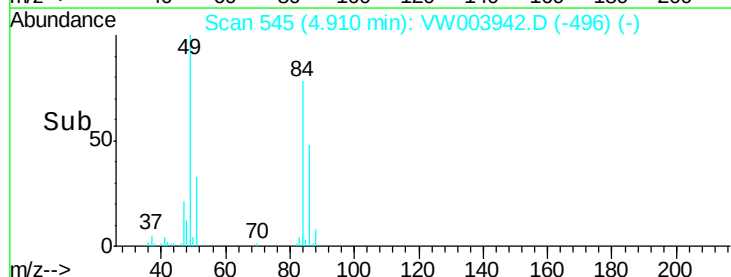
Time-->

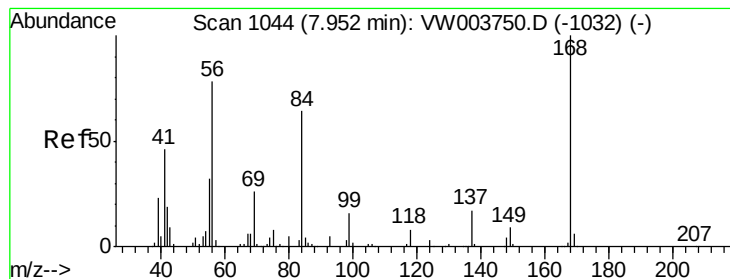
4.80

4.90

5.00

5.10





#31

Cyclohexane

Concen: 1.382 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :
MSVOA_W
ClientSampleId :

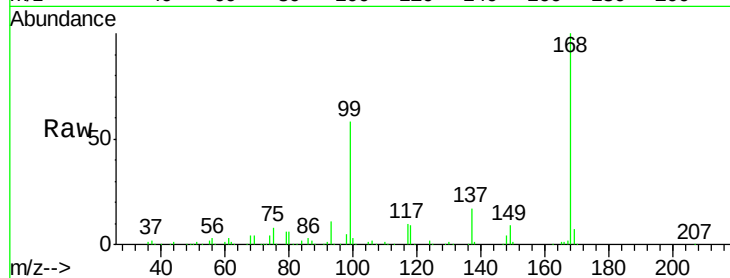
Tot Ion: 56 Resp: 4909

Ion Ratio Lower Upper

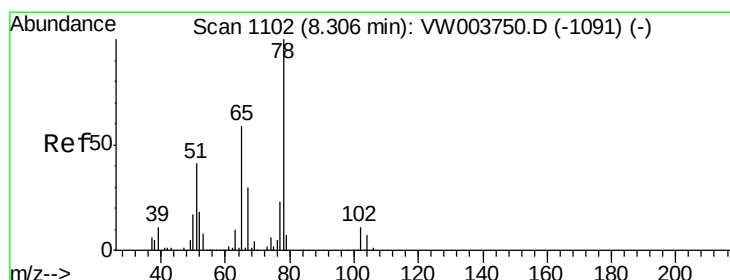
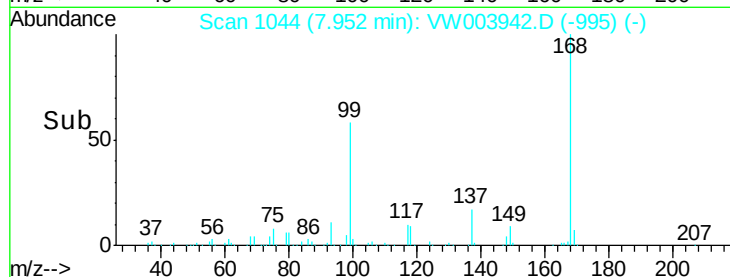
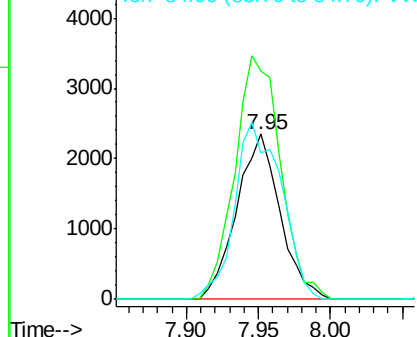
56 100

69 138.7 26.2 39.4#

84 88.8 65.5 98.3



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: 50.900 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003942.D

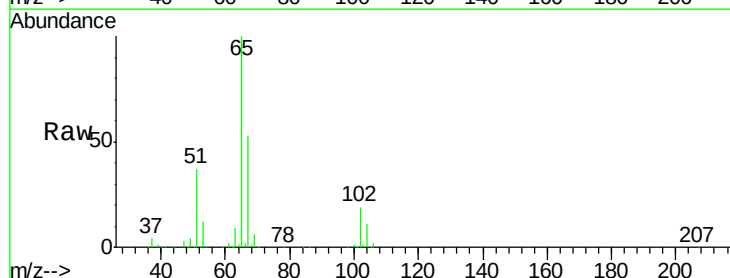
Acq: 14 Jul 2018 03:05

Tgt Ion: 65 Resp: 123881

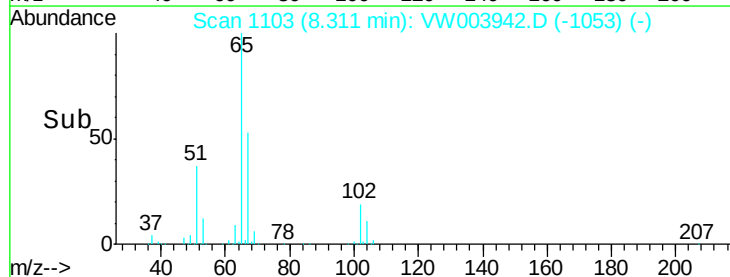
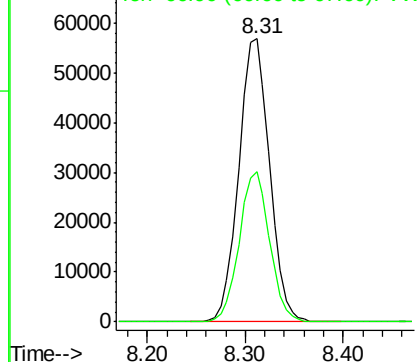
Ion Ratio Lower Upper

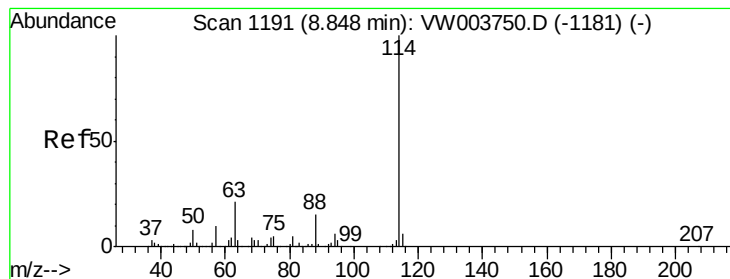
65 100

67 52.2 0.0 103.8



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: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

ClientSampleId :

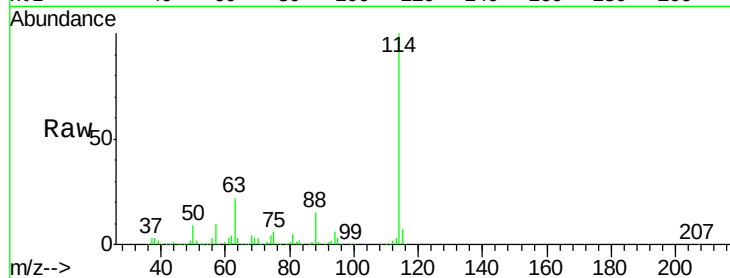
Tot Ion:114 Resp: 320790

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

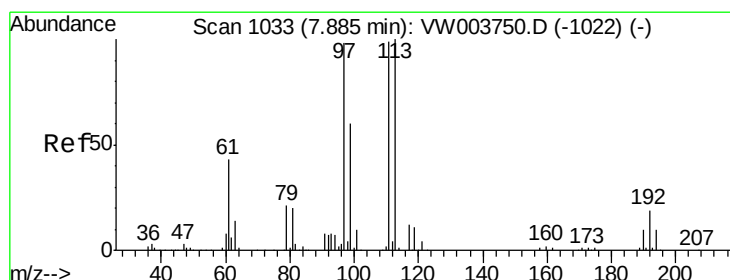
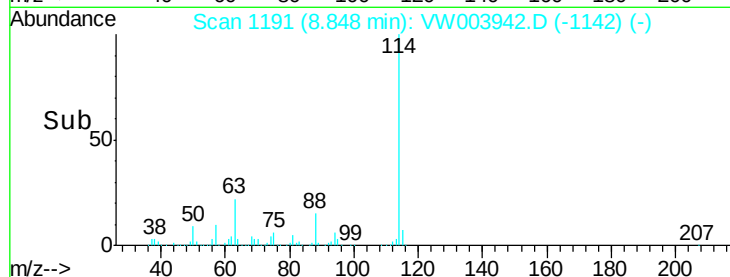
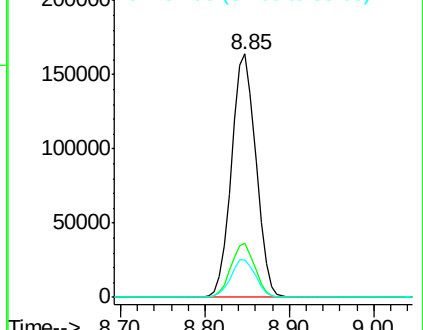
88 15.4 0.0 30.2



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: 0.635 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

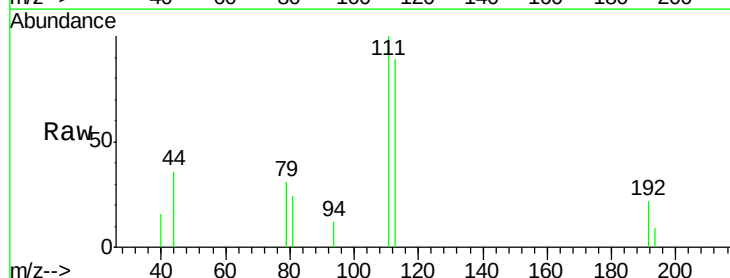
Tgt Ion:113 Resp: 1425

Ion Ratio Lower Upper

113 100

111 113.3 81.7 122.5

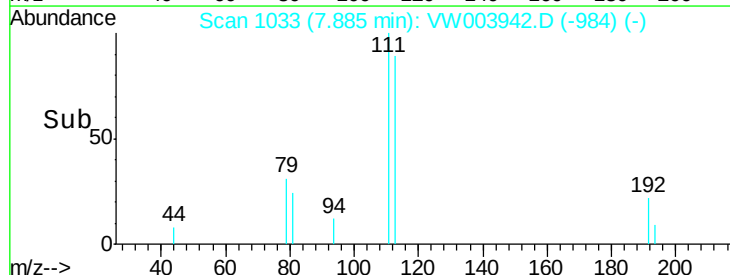
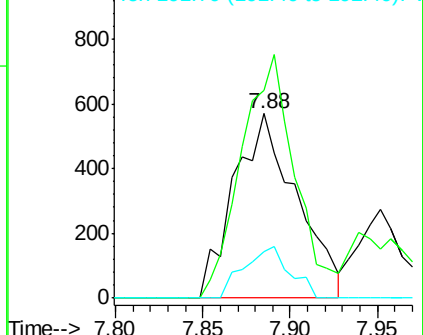
192 20.4 15.8 23.8

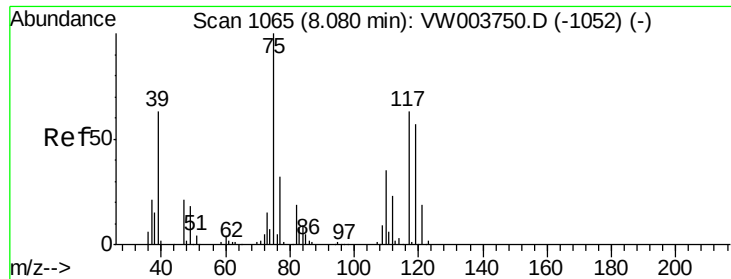


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.649 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

ClientSampled :

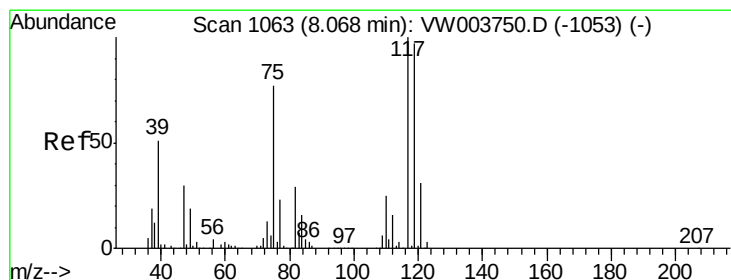
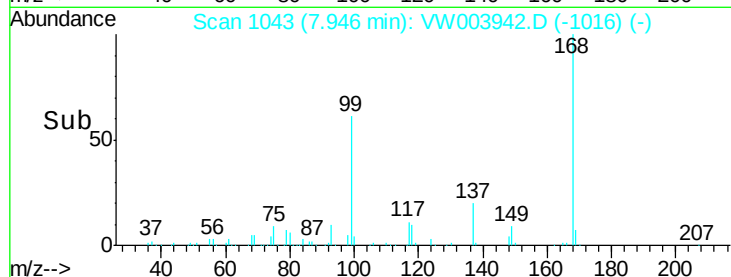
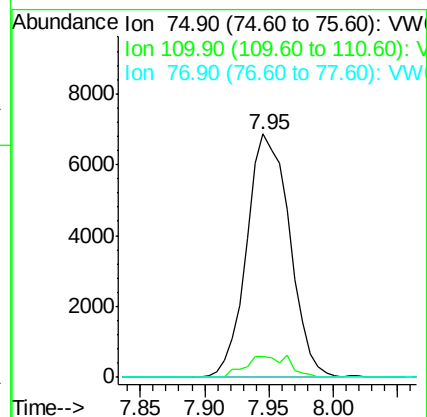
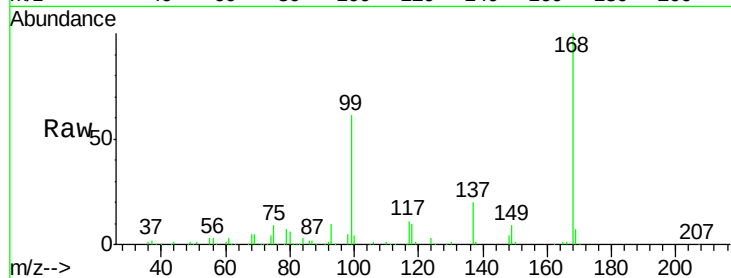
Tot Ion: 75 Resp: 15823

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.901 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

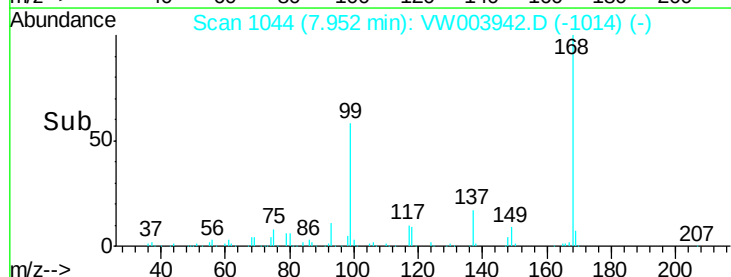
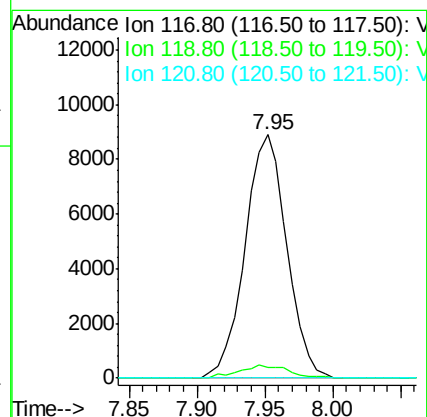
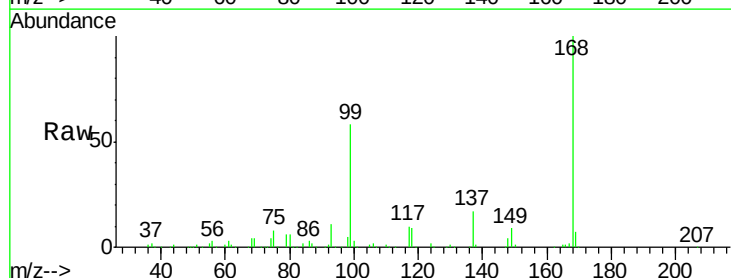
Tgt Ion: 117 Resp: 19097

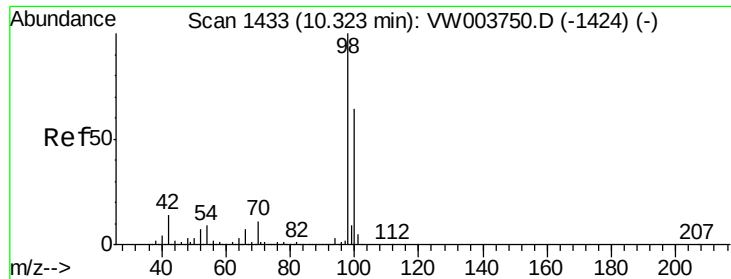
Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 44.029 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

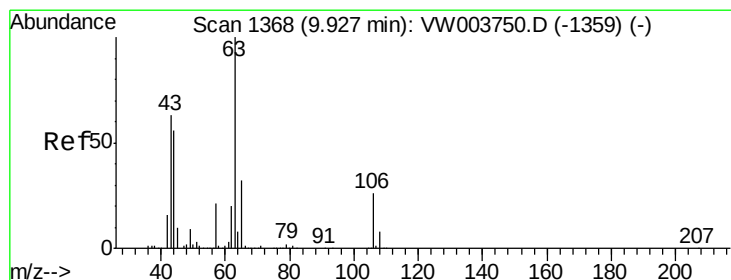
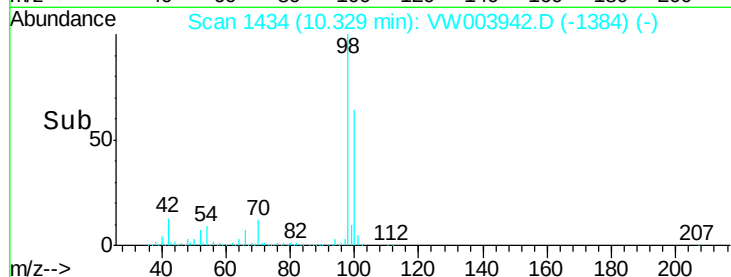
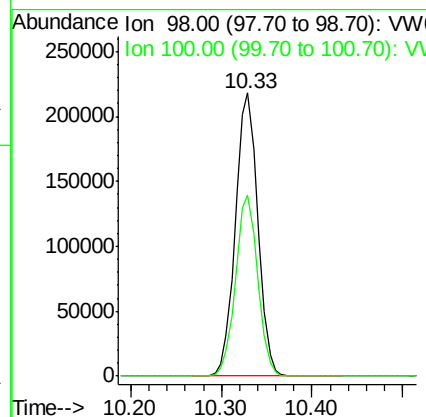
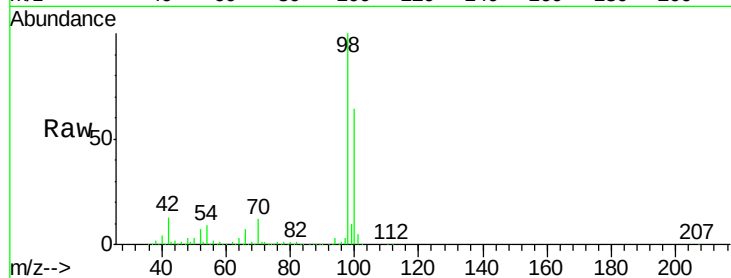
ClientSampleId :

Tot Ion: 98 Resp: 378130

Ion Ratio Lower Upper

98 100

100 63.0 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 13.263 ug/l

RT: 9.92 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VW003942.D

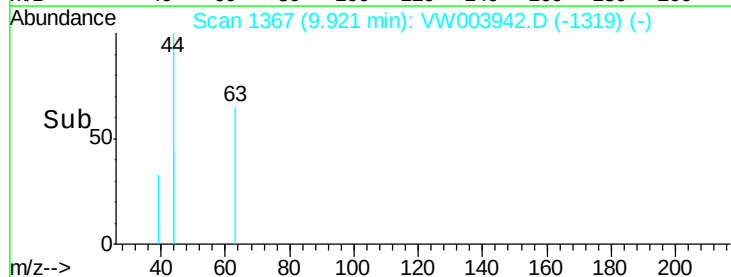
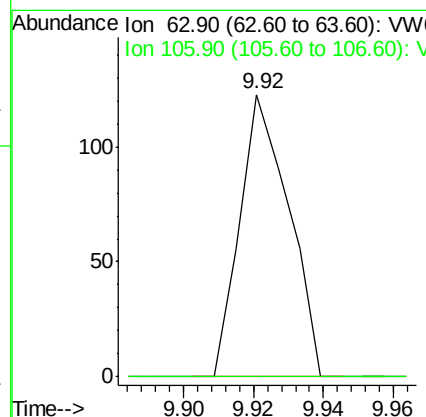
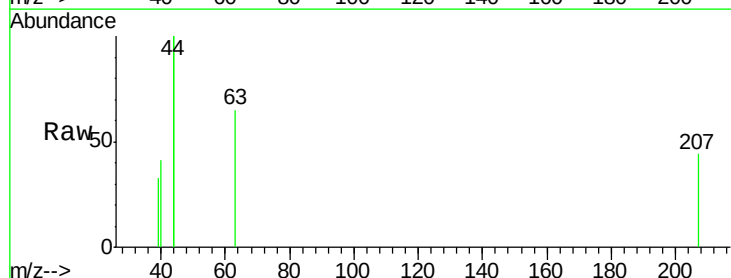
Acq: 14 Jul 2018 03:05

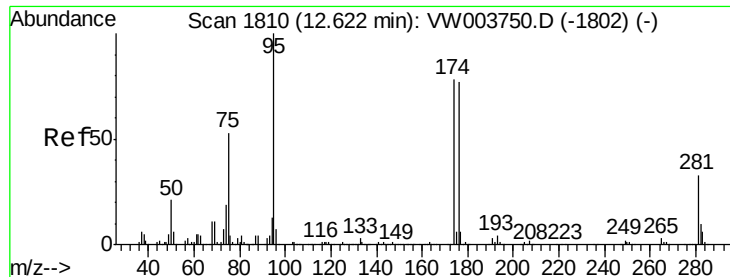
Tgt Ion: 63 Resp: 119

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#





#62

4-Bromofluorobenzene

Concen: 41.843 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

ClientSampleId :

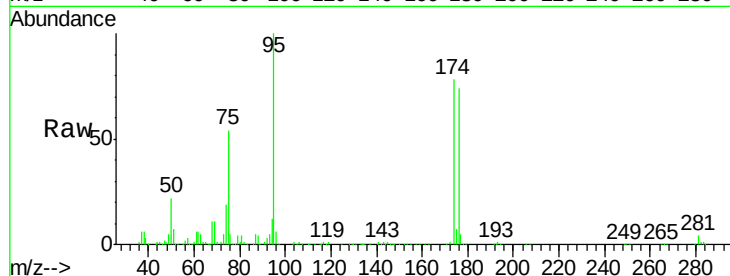
Tot Ion: 95 Resp: 130022

Ion Ratio Lower Upper

95 100

174 81.6 0.0 163.4

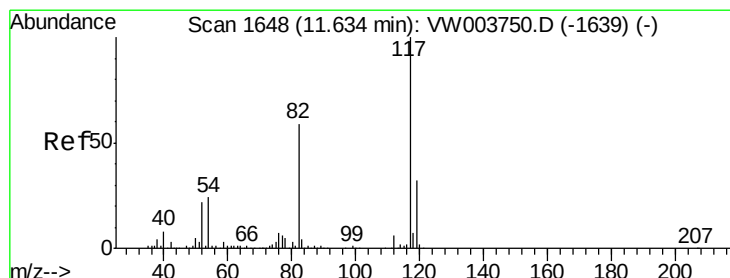
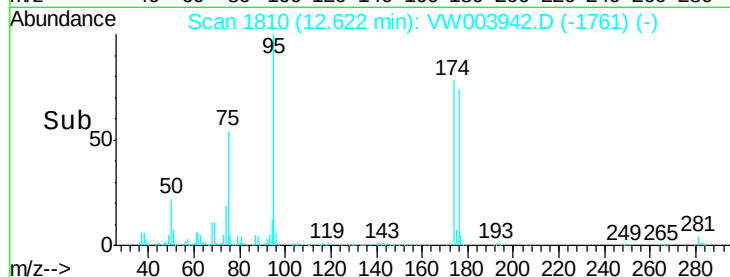
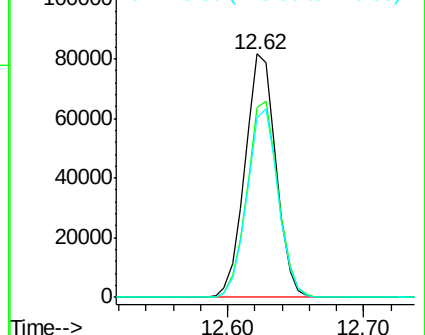
176 77.9 0.0 156.8



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# 1648

Delta R.T. -0.00 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

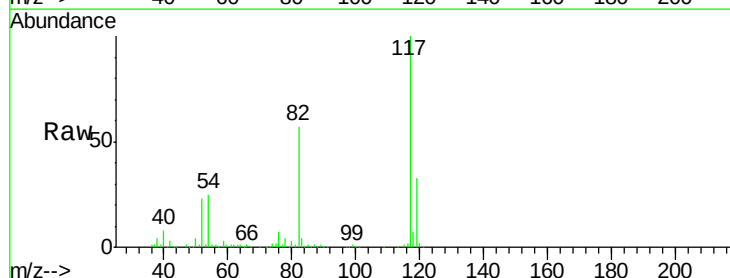
Tgt Ion: 117 Resp: 295809

Ion Ratio Lower Upper

117 100

82 57.1 46.9 70.3

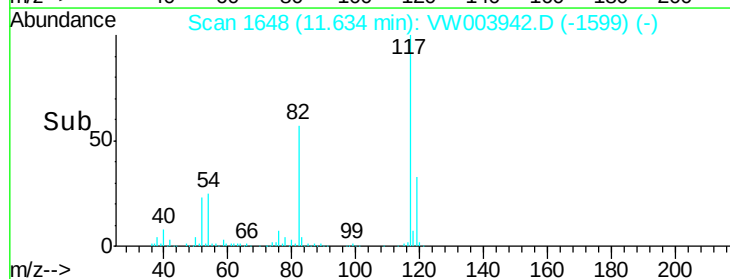
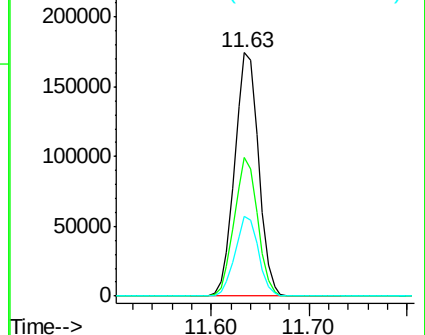
119 32.8 25.5 38.3

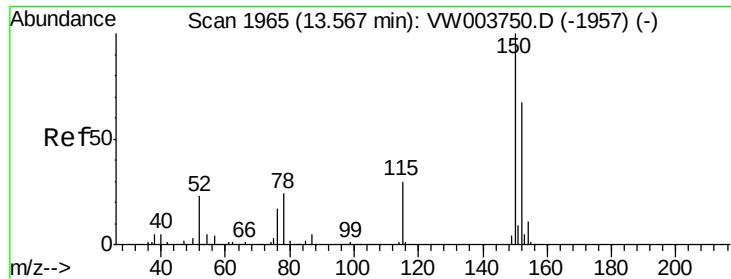


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



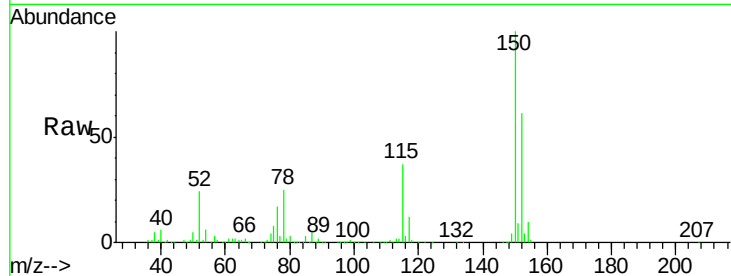


#72

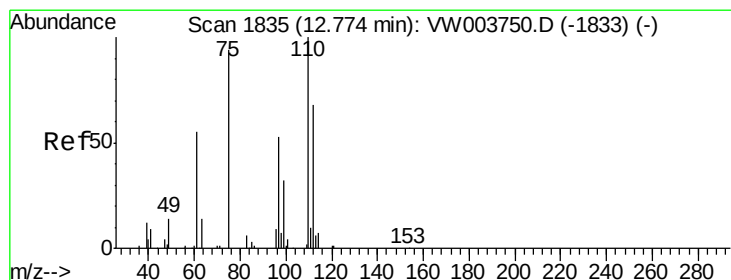
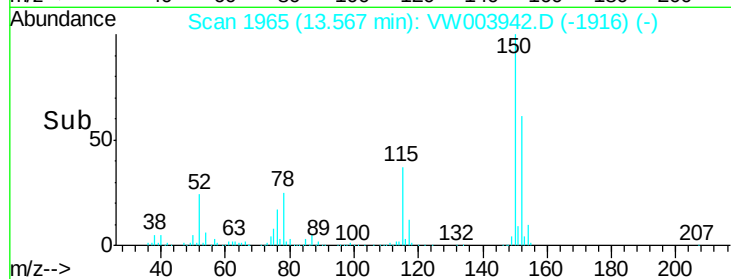
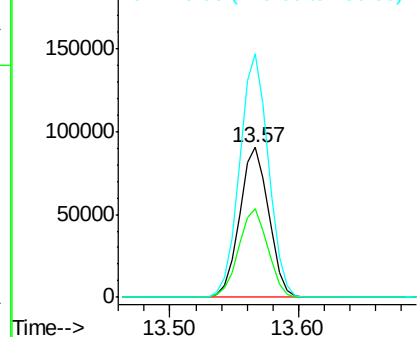
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003942.D
Acq: 14 Jul 2018 03:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 141583
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.8
150 160.6 0.0 342.4



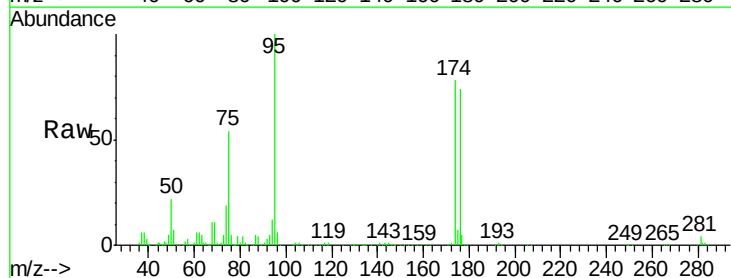
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



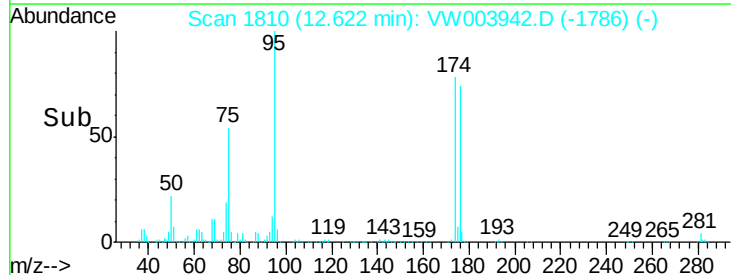
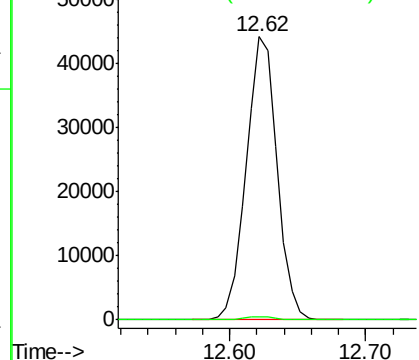
#76

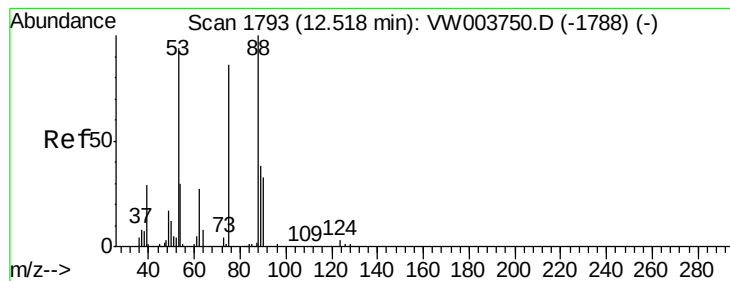
1,2,3-Trichloropropane
Concen: 50.289 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003942.D
Acq: 14 Jul 2018 03:05

Tgt Ion: 75 Resp: 69918
Ion Ratio Lower Upper
75 100
77 1.2 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: 123.019 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003942.D

Acq: 14 Jul 2018 03:05

Instrument :

MSVOA_W

ClientSampleId :

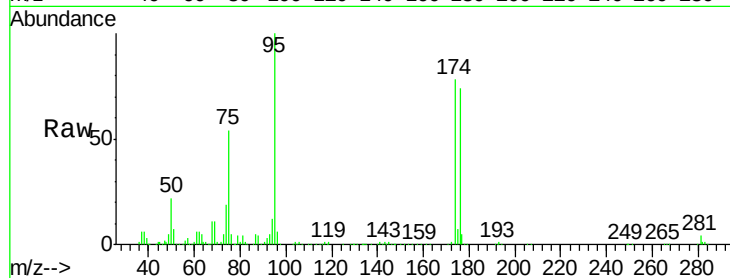
Tot Ion: 75 Resp: 69918

Ion Ratio Lower Upper

75 100

53 0.2 85.0 127.6#

89 0.1 36.3 54.5#



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

