

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003880.D
 Acq On : 11 Jul 2018 22:42
 Operator : SY/AP
 Sample : J3881-10RE
 Misc : 5.26G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:56:51 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	164474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	276079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	213550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	61653	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	118123	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.88	113	101730	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
50) Toluene-d8	10.33	98	336723	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.62	95	80332	30.04	ug/l	0.00
Spiked Amount			Recovery	=	60.08%	

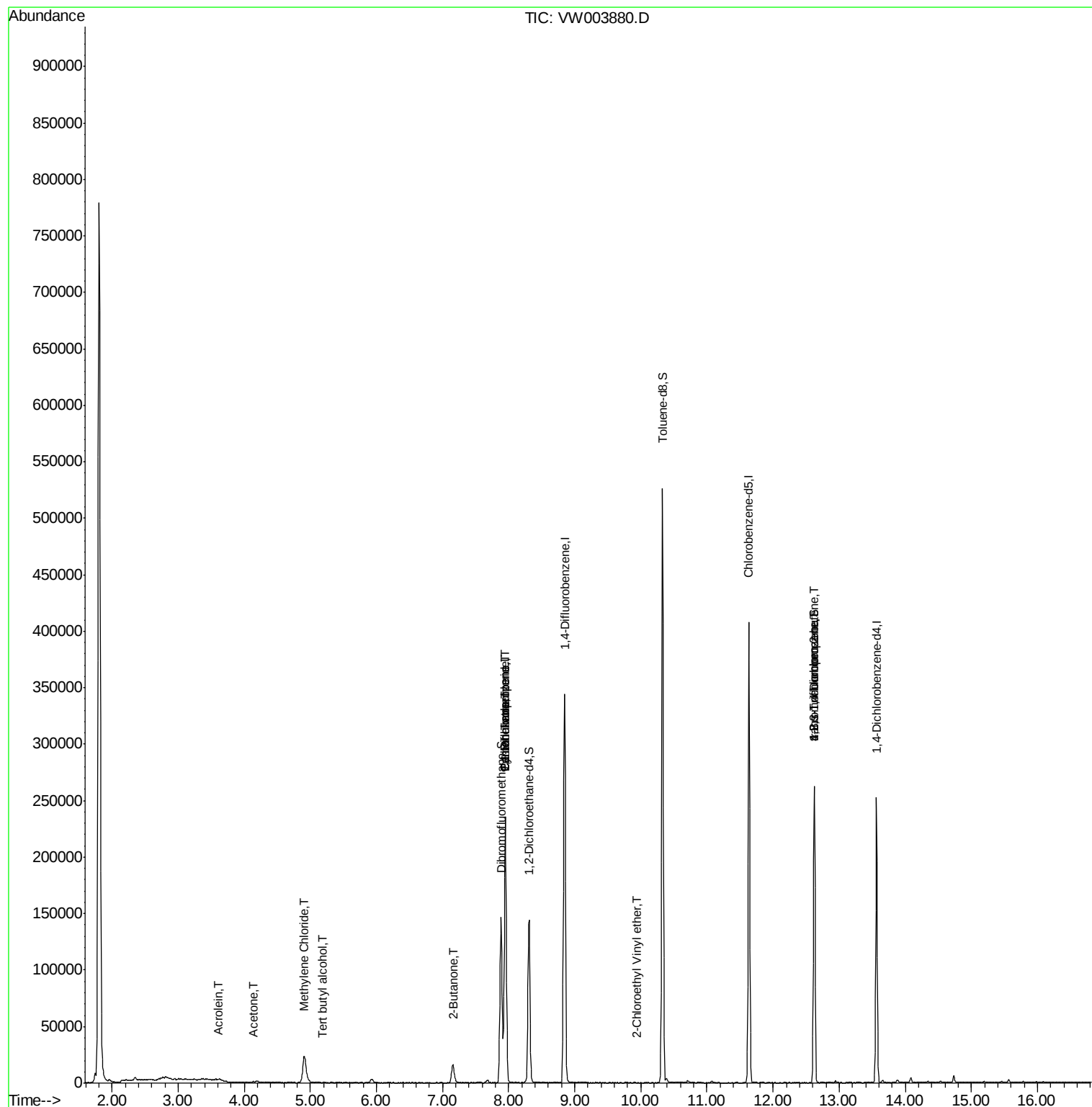
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	133	1.141	ug/l #	70
13) Acrolein	3.61	56	57	5.031	ug/l #	1
16) Acetone	4.14	43	1671	4.478	ug/l	95
20) Methylene Chloride	4.90	84	20465	7.529	ug/l	98
25) 2-Butanone	7.16	43	1053	1.802	ug/l #	51
31) Cyclohexane	7.95	56	4715	1.502	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	14252	4.865	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17064	6.127	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.94	63	24	13.190	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	43868	72.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43868	177.251	ug/l #	8

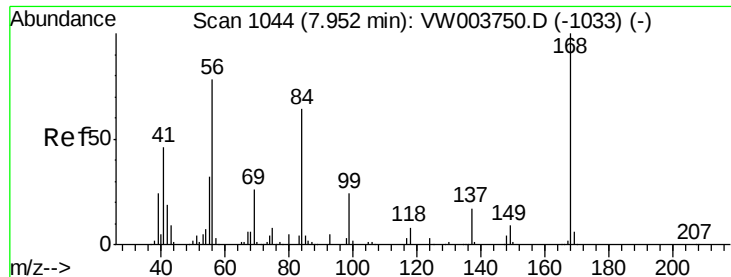
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003880.D

Acq: 11 Jul 2018 22:42

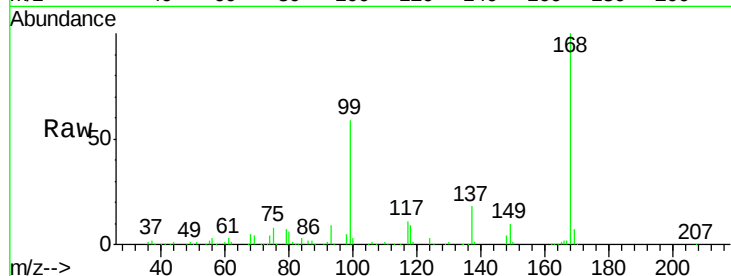
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 164474

Ion Ratio Lower Upper

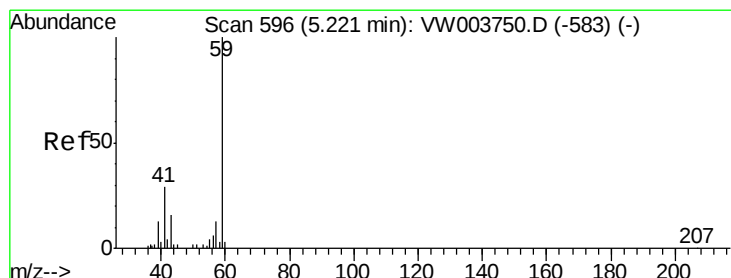
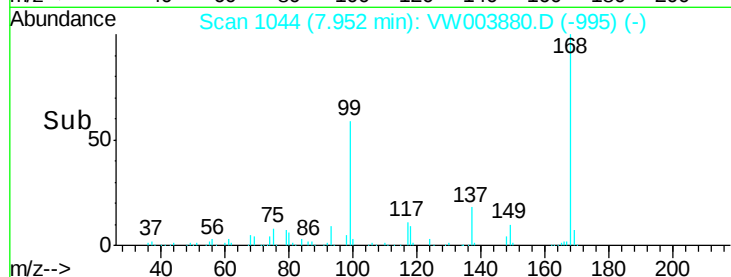
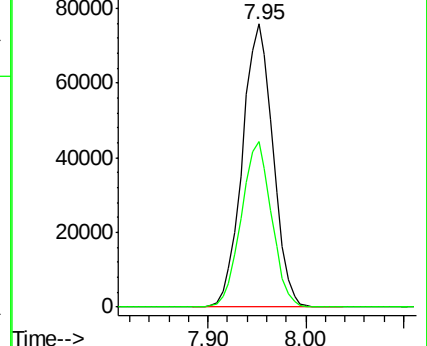
168 100

99 58.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.141 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.03 min

Lab File: VW003880.D

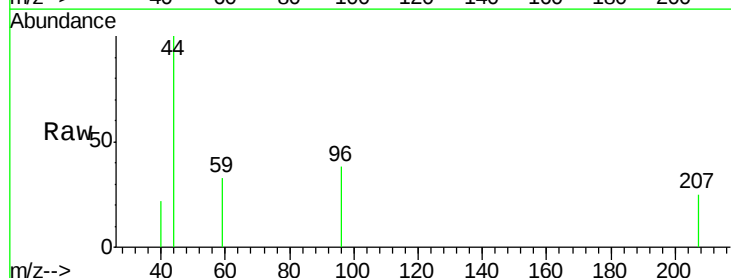
Acq: 11 Jul 2018 22:42

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

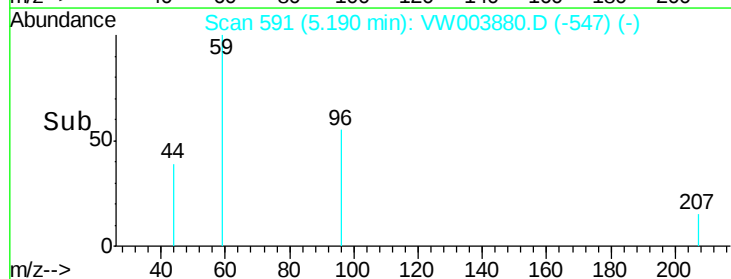
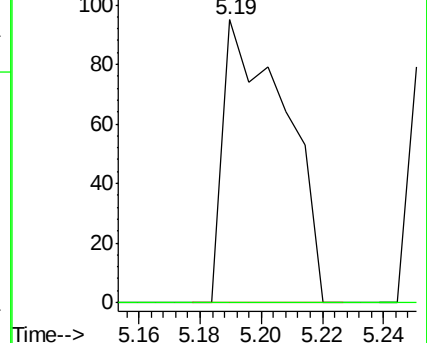
59 100

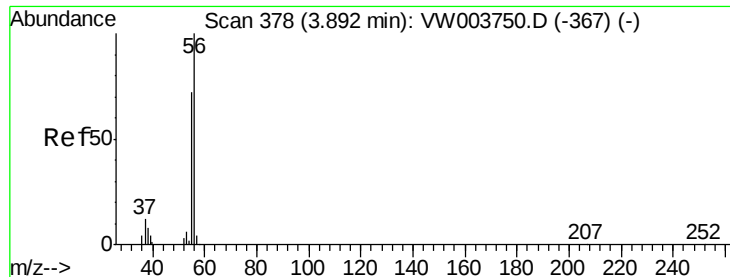
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.031 ug/l

RT: 3.61 min Scan# 332

Delta R.T. -0.28 min

Lab File: VW003880.D

Acq: 11 Jul 2018 22:42

Instrument :

MSVOA_W

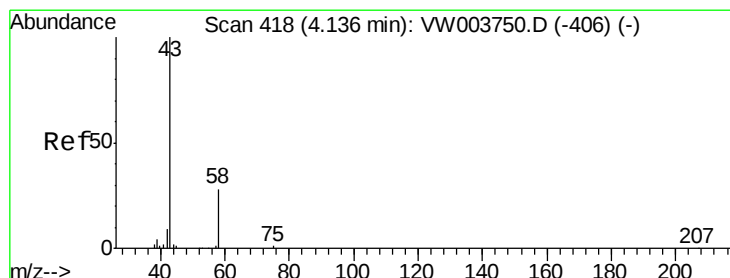
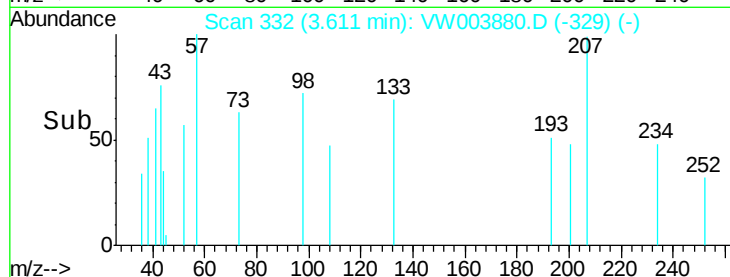
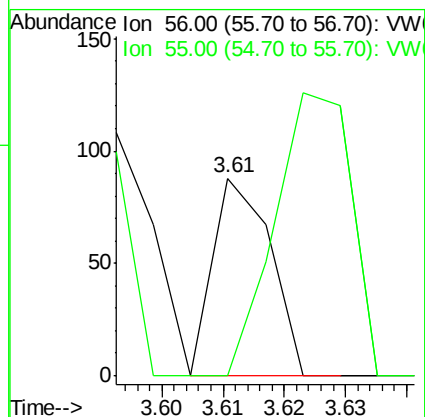
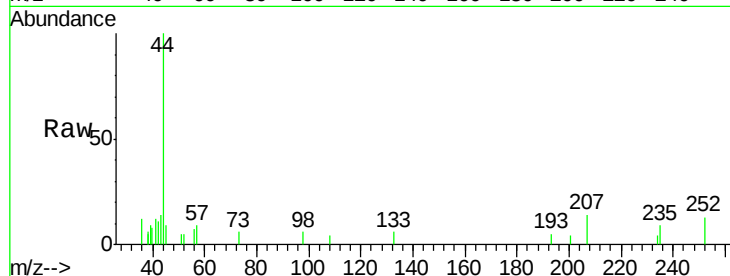
ClientSampled :

Tot Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 191.2 57.5 86.3#



#16

Acetone

Concen: 4.478 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003880.D

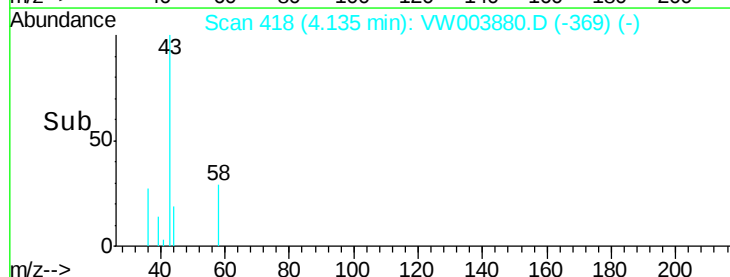
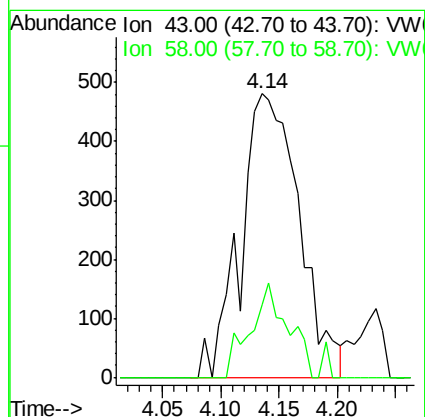
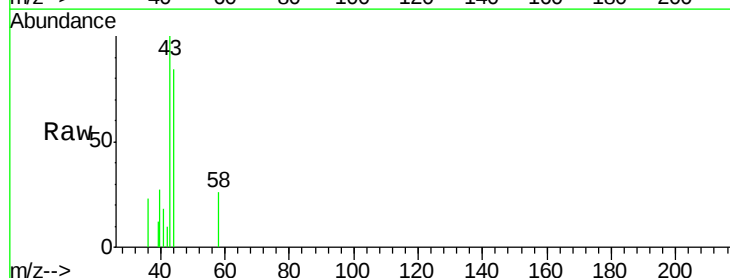
Acq: 11 Jul 2018 22:42

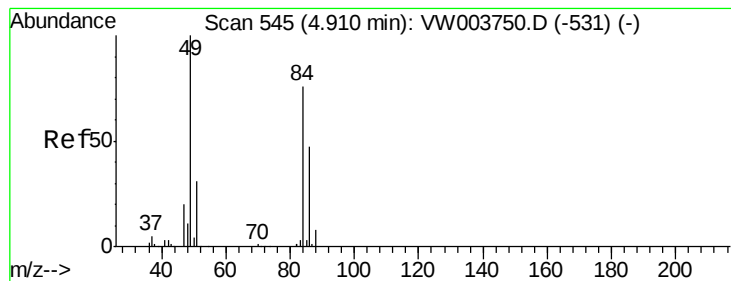
Tgt Ion: 43 Resp: 1671

Ion Ratio Lower Upper

43 100

58 25.6 22.6 34.0





#20

Methylene Chloride

Concen: 7.529 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003880.D

Acq: 11 Jul 2018 22:42

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 20465

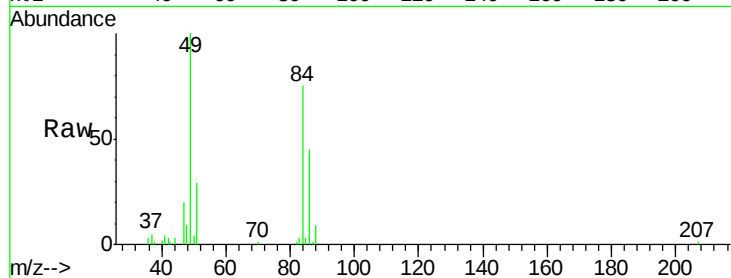
Ion Ratio Lower Upper

84 100

49 132.6 105.1 157.7

51 38.7 32.5 48.7

86 60.3 49.8 74.6

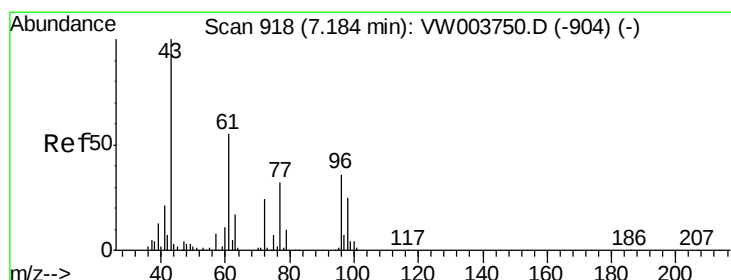
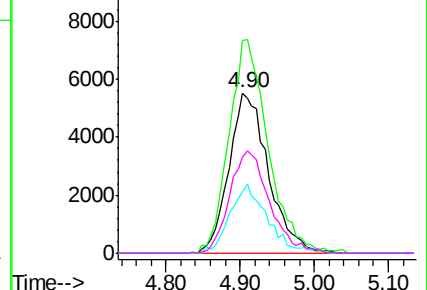
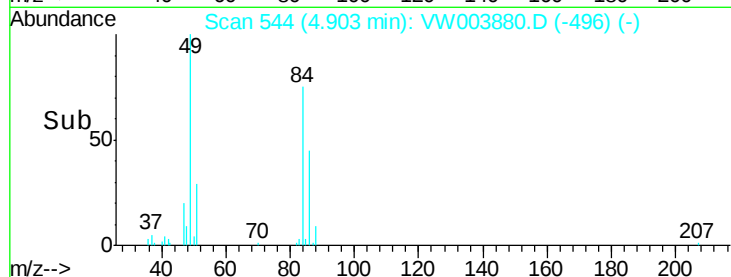


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.802 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003880.D

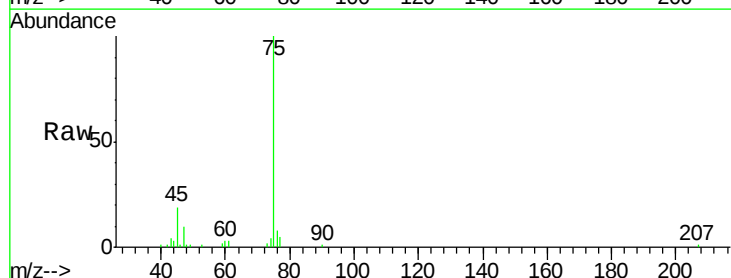
Acq: 11 Jul 2018 22:42

Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

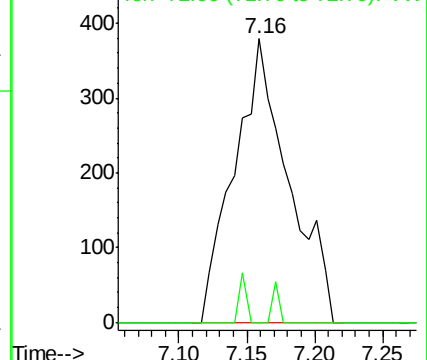
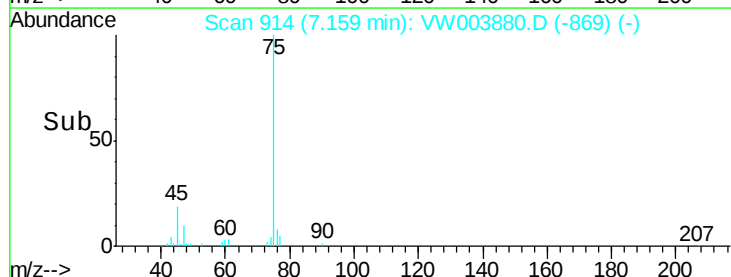
43 100

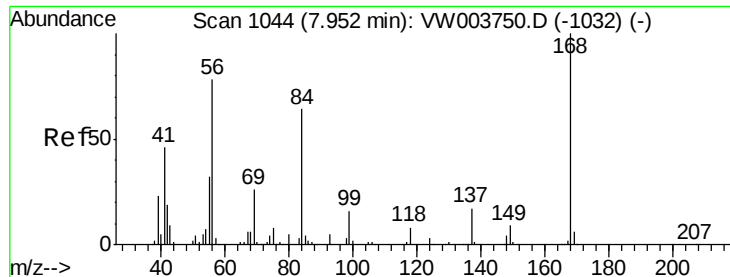
72 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

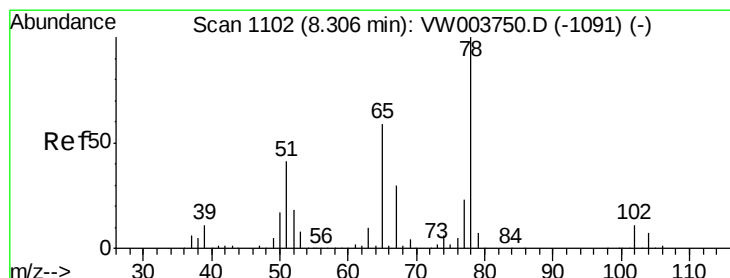
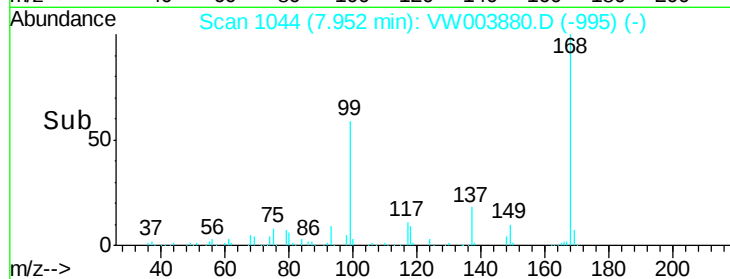
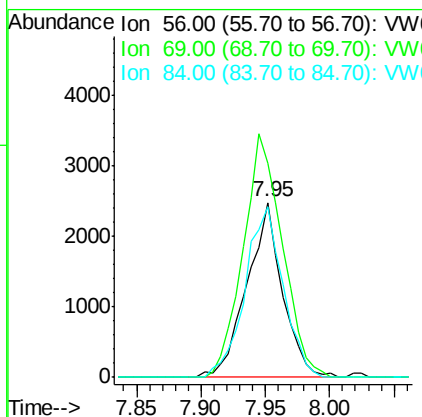
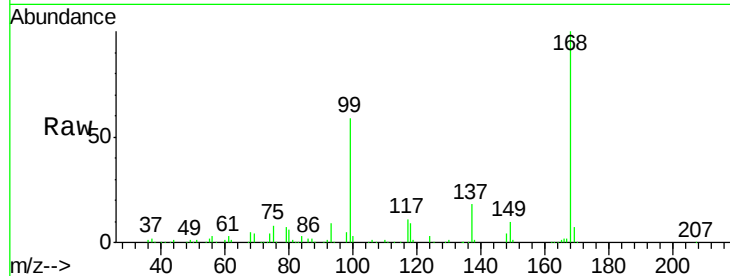




#31
Cyclohexane
Concen: 1.502 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003880.D
Acq: 11 Jul 2018 22:42

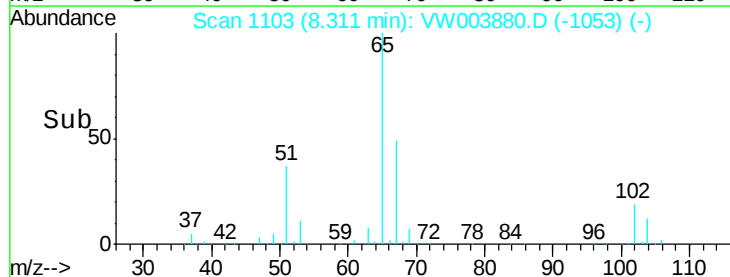
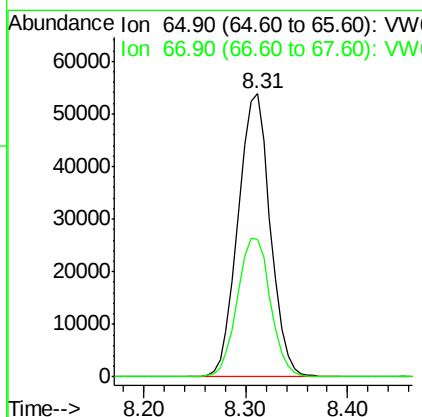
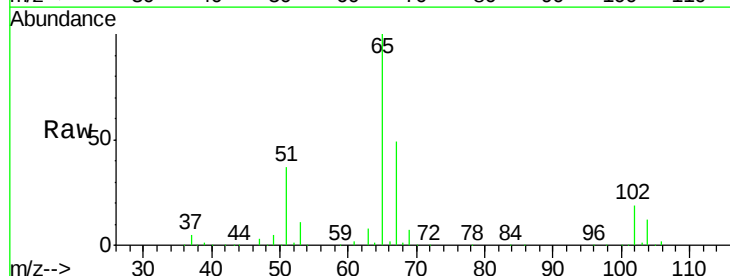
Instrument :
MSVOA_W
ClientSampled :

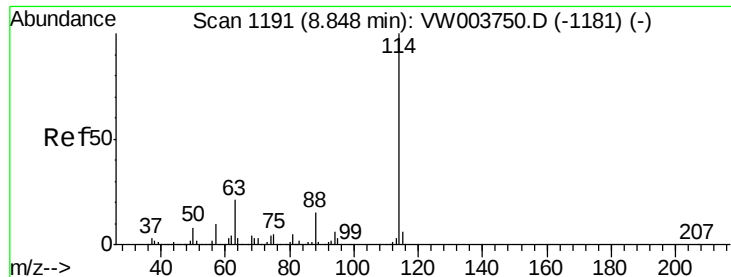
Tot Ion: 56 Resp: 4715
Ion Ratio Lower Upper
56 100
69 123.0 26.2 39.4#
84 97.7 65.5 98.3



#33
1,2-Dichloroethane-d4
Concen: 54.919 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003880.D
Acq: 11 Jul 2018 22:42

Tgt Ion: 65 Resp: 118123
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.8

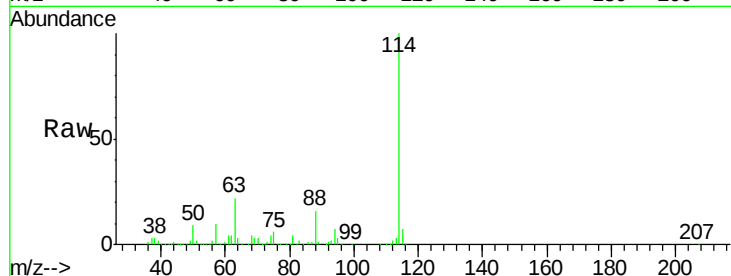




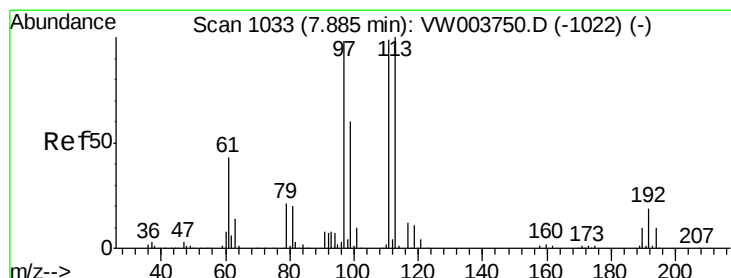
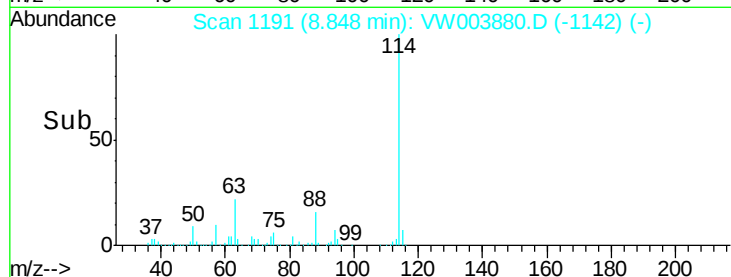
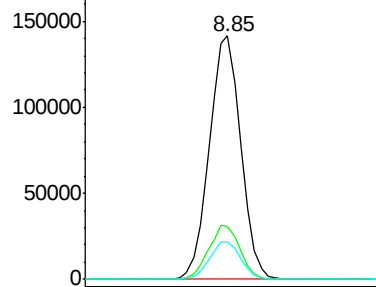
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003880.D
 Acq: 11 Jul 2018 22:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.8
88	15.5	0.0	30.2

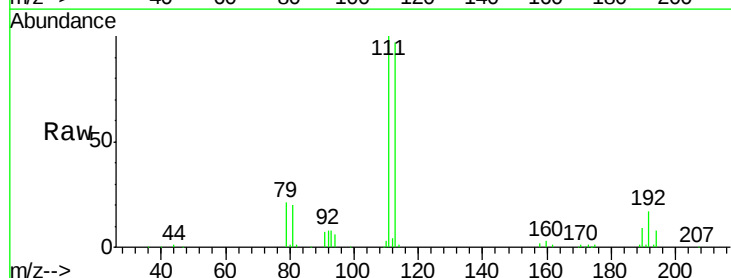


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

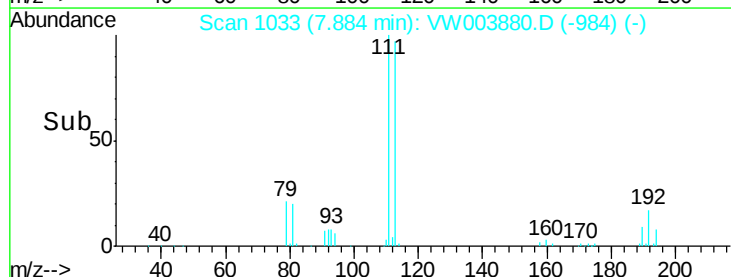
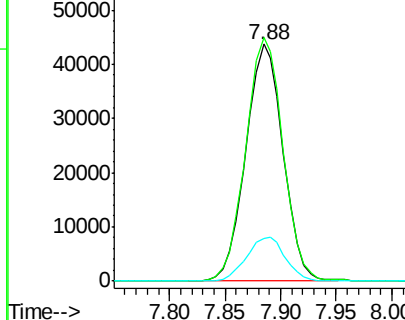


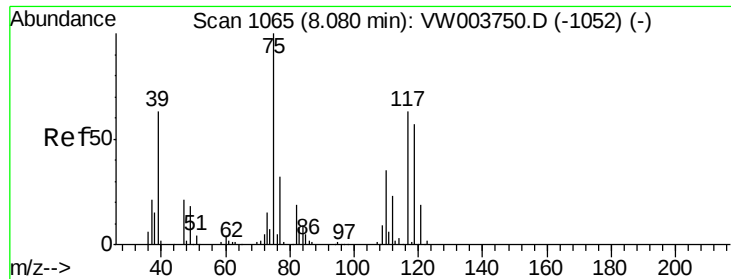
#35
 Dibromofluoromethane
 Concen: 52.649 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003880.D
 Acq: 11 Jul 2018 22:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	19.4	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

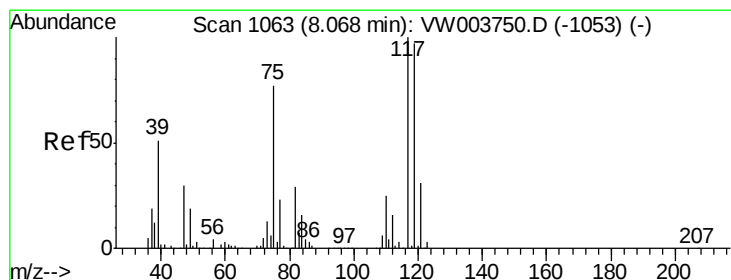
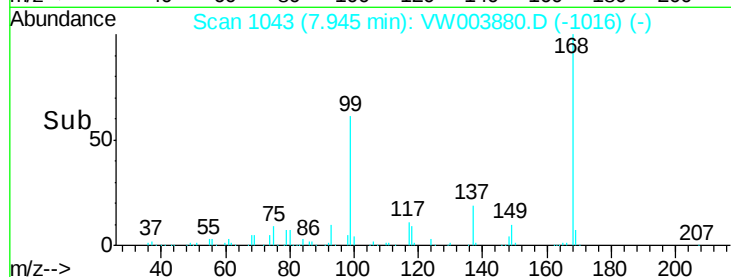
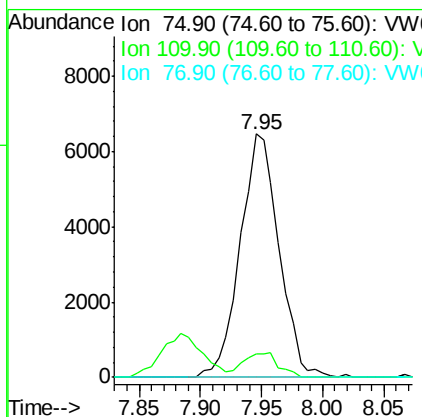
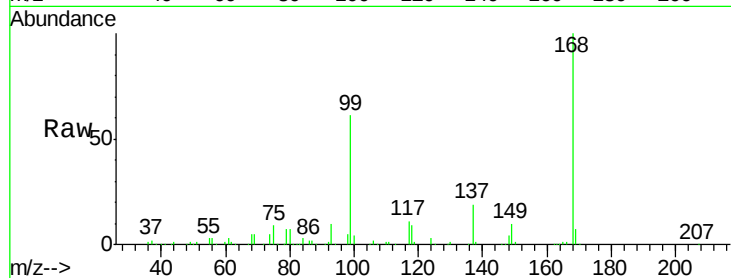




#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003880.D
 Acq: 11 Jul 2018 22:42

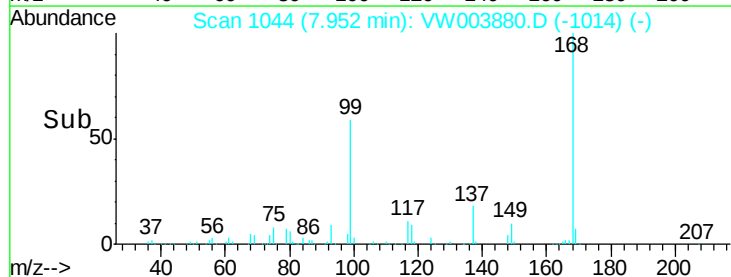
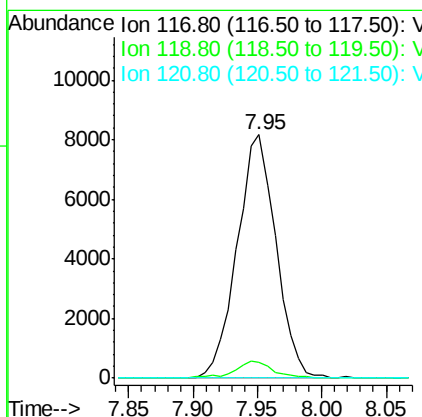
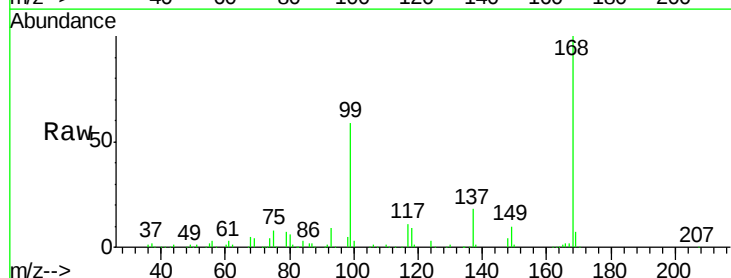
Instrument :
 MSVOA_W
 ClientSampleId :

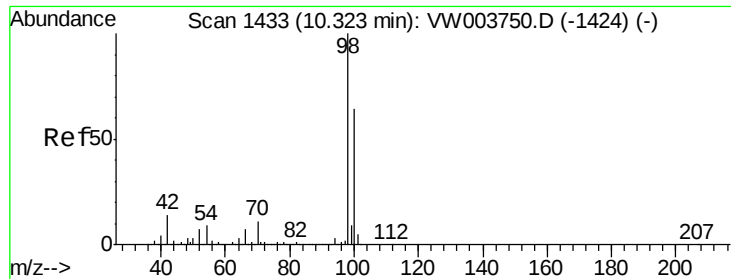
Tot Ion: 75 Resp: 14252
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.127 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003880.D
 Acq: 11 Jul 2018 22:42

Tgt Ion: 117 Resp: 17064
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.4 116.2#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 45.557 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003880.D

Acq: 11 Jul 2018 22:42

Instrument :

MSVOA_W

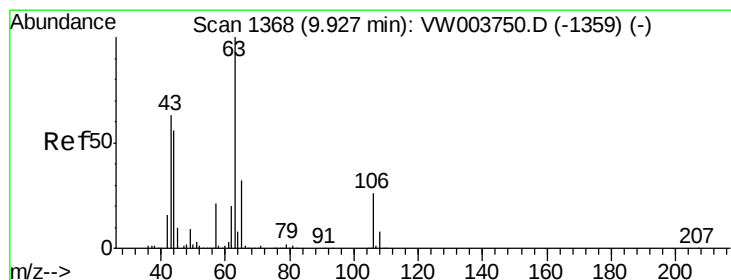
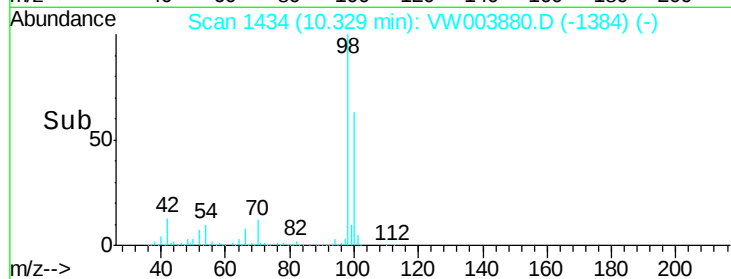
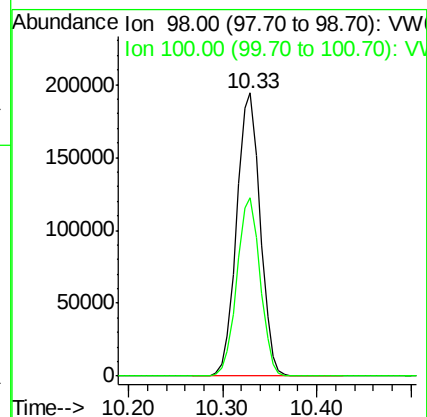
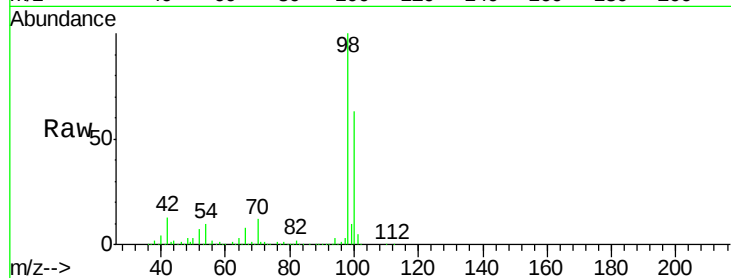
ClientSampled :

Tot Ion: 98 Resp: 336723

Ion Ratio Lower Upper

98 100

100 62.5 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 13.190 ug/l

RT: 9.94 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VW003880.D

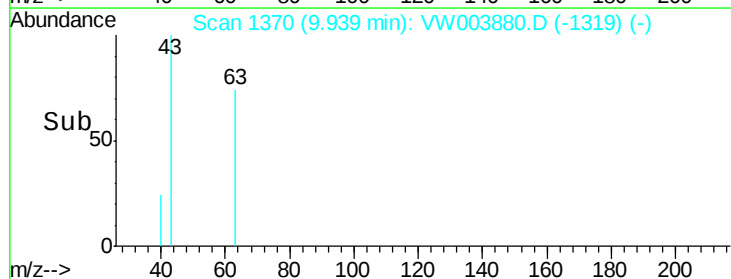
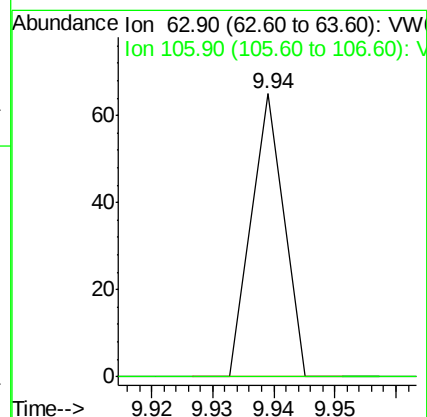
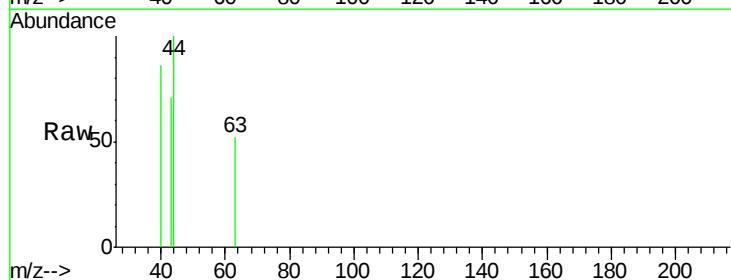
Acq: 11 Jul 2018 22:42

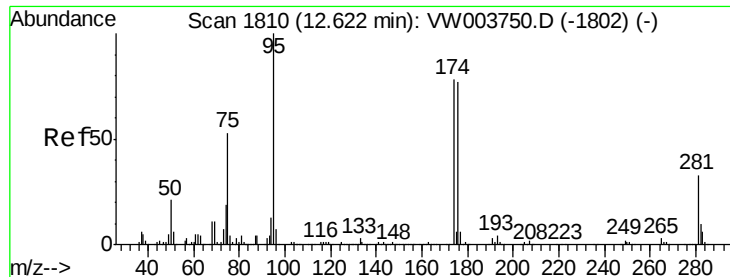
Tgt Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#





#62

4-Bromofluorobenzene

Concen: 30.039 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003880.D

Acq: 11 Jul 2018 22:42

Instrument :

MSVOA_W

ClientSampleId :

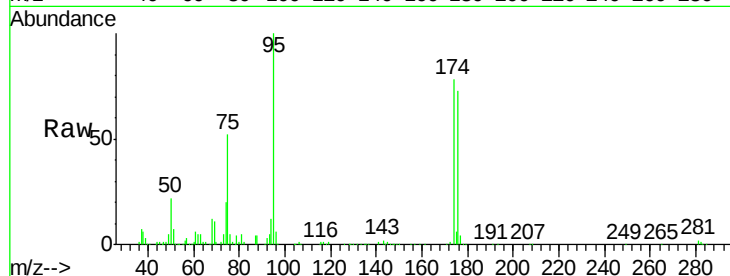
Tot Ion: 95 Resp: 80332

Ion Ratio Lower Upper

95 100

174 83.7 0.0 163.4

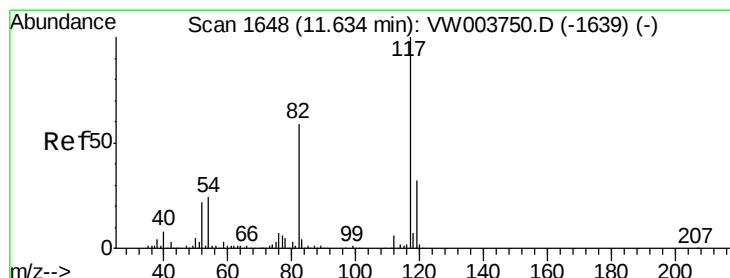
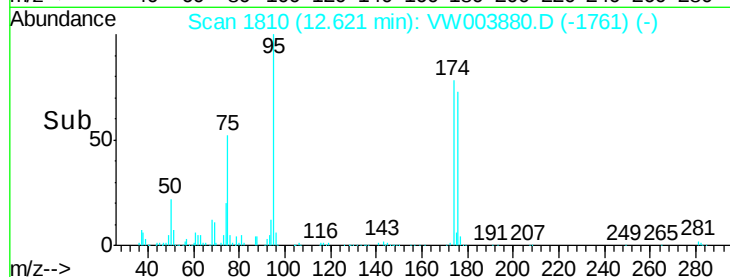
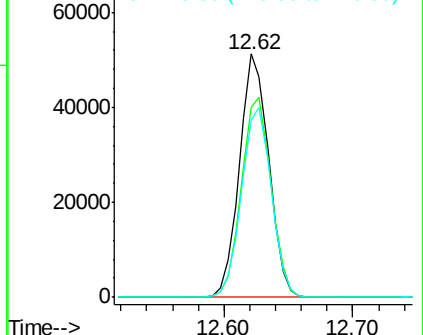
176 79.3 0.0 156.8



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: VW003880.D

Acq: 11 Jul 2018 22:42

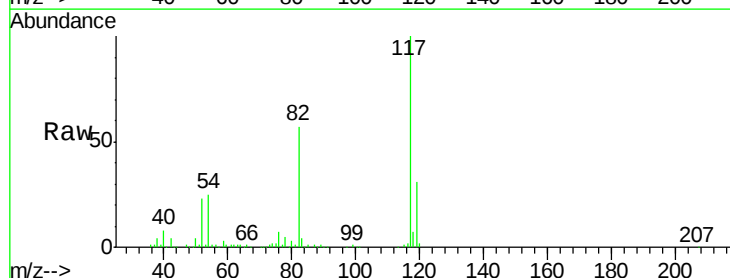
Tgt Ion: 117 Resp: 213550

Ion Ratio Lower Upper

117 100

82 56.6 46.9 70.3

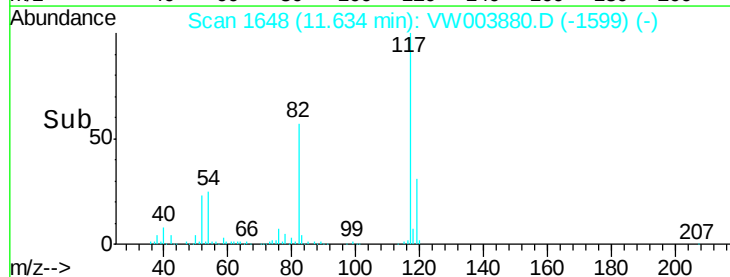
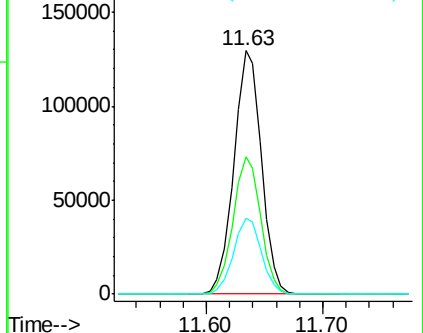
119 31.0 25.5 38.3

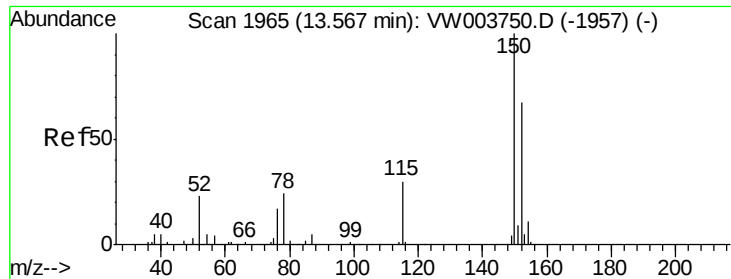


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



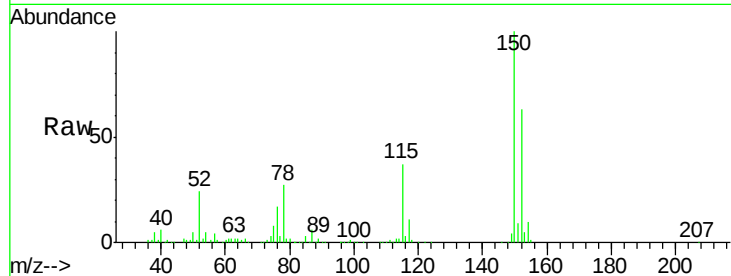


#72

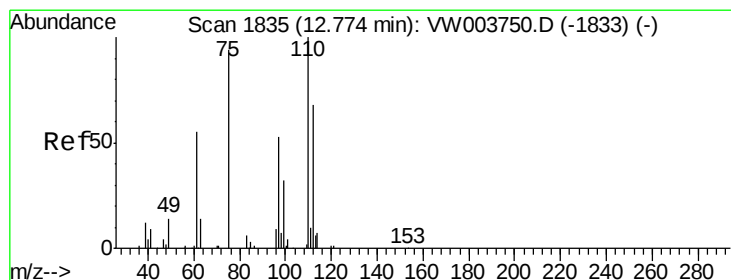
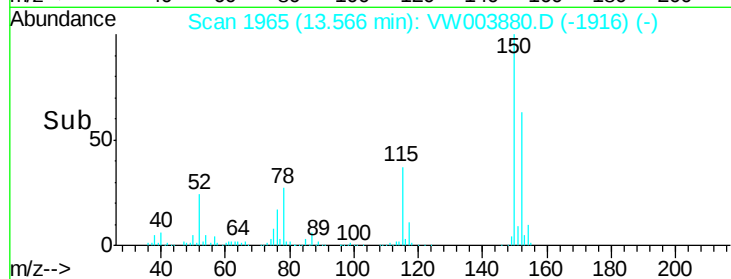
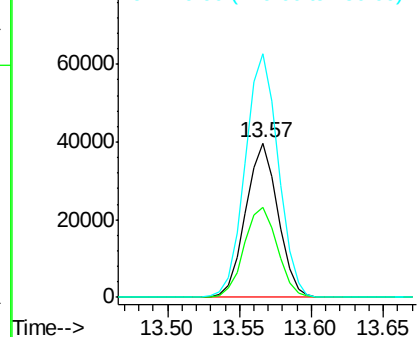
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003880.D
Acq: 11 Jul 2018 22:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 61653
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.8
150 161.3 0.0 342.4



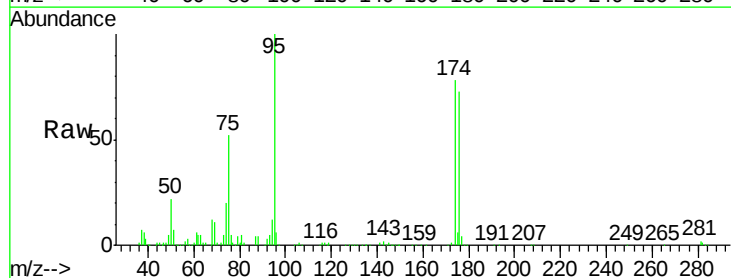
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



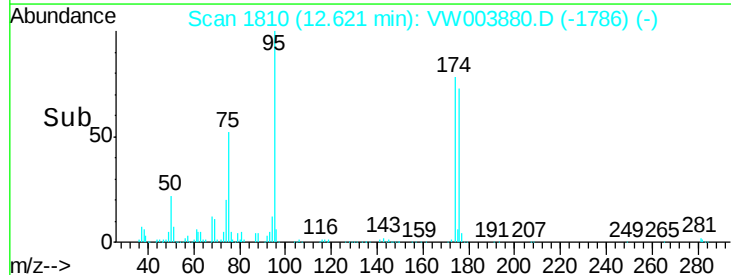
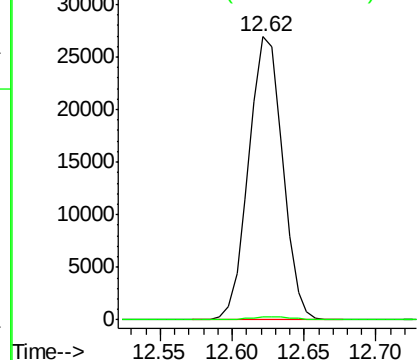
#76

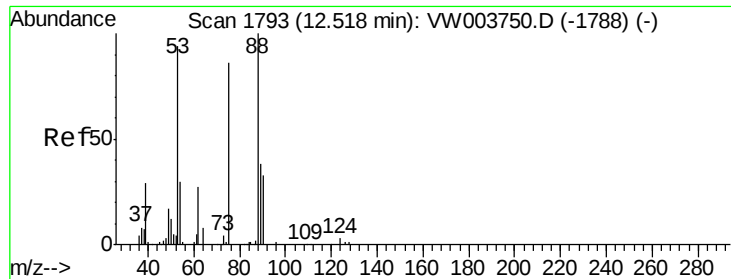
1,2,3-Trichloropropane
Concen: 72.459 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003880.D
Acq: 11 Jul 2018 22:42

Tgt Ion: 75 Resp: 43868
Ion Ratio Lower Upper
75 100
77 1.3 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: 177.251 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003880.D

Acq: 11 Jul 2018 22:42

Instrument :

MSVOA_W

ClientSampleId :

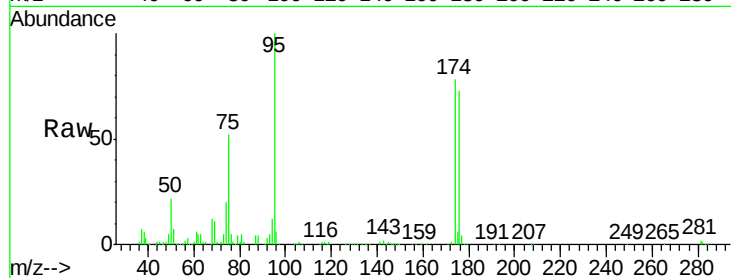
Tot Ion: 75 Resp: 43868

Ion Ratio Lower Upper

75 100

53 0.3 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

