

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003906.D
 Acq On : 12 Jul 2018 19:15
 Operator : SY/AP
 Sample : J3825-07
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:55:31 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	178904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	303665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	259279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	105328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131931	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	
35) Dibromofluoromethane	7.88	113	110356	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.33	98	366188	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.63	95	111225	37.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.62%	

Target Compounds

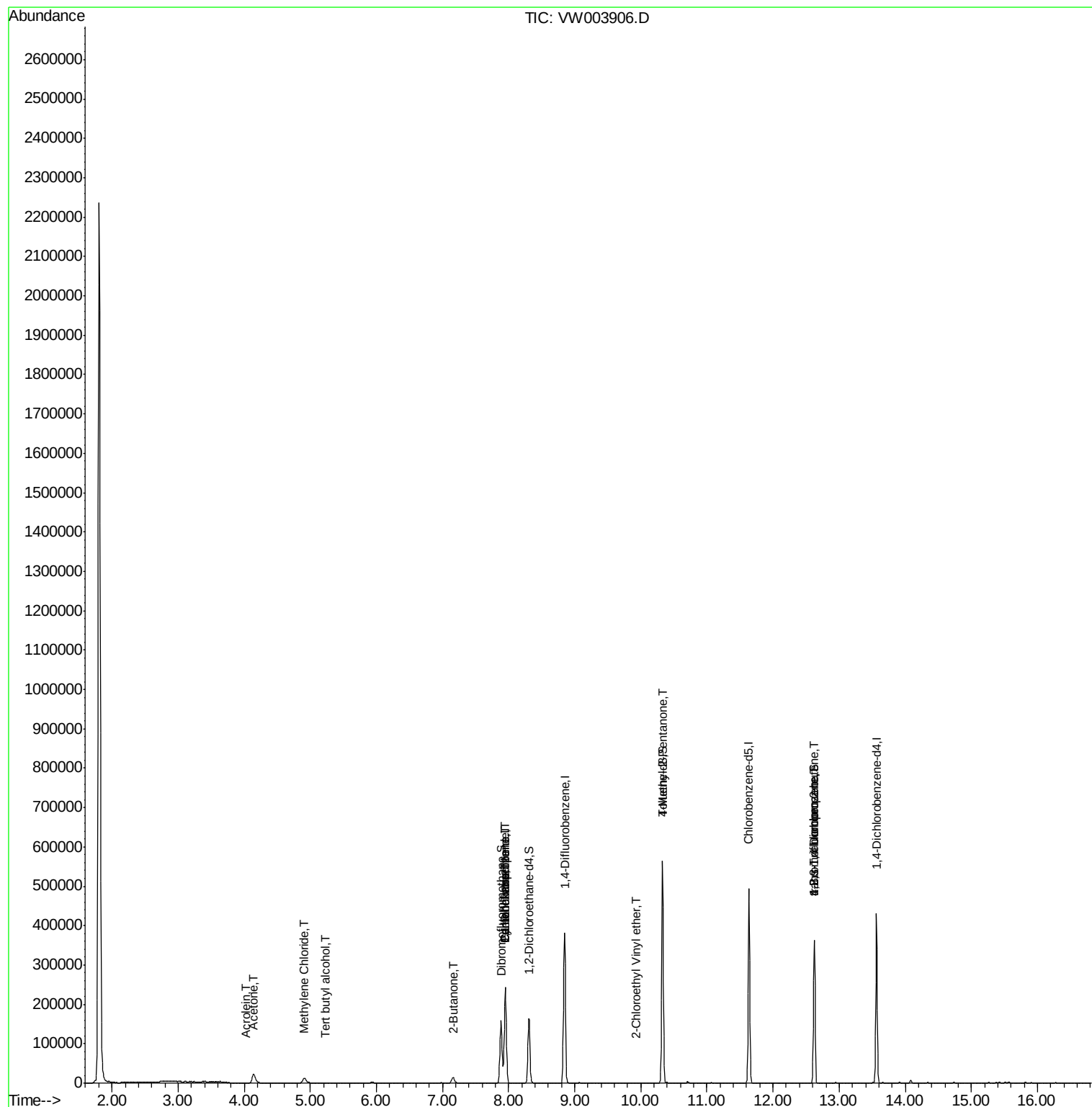
					Qvalue	
11) Tert butyl alcohol	5.23	59	886	6.988	ug/l #	70
13) Acrolein	4.03	56	20	4.836	ug/l #	14
16) Acetone	4.14	43	47511	117.049	ug/l	100
20) Methylene Chloride	4.91	84	10581	1.057	ug/l	93
25) 2-Butanone	7.16	43	1216	1.913	ug/l #	51
31) Cyclohexane	7.95	56	4634	1.357	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	15192	4.715	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18741	6.118	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2020	1.314	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	22	13.186	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	60183	58.187	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60183	142.339	ug/l #	8

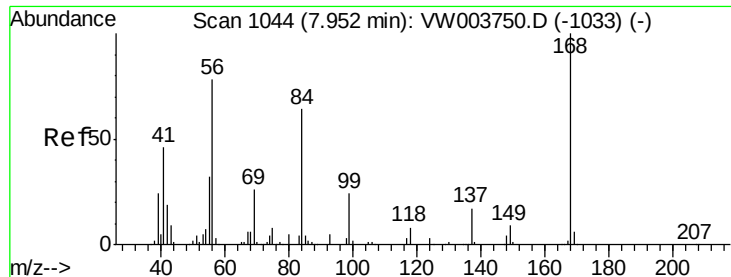
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

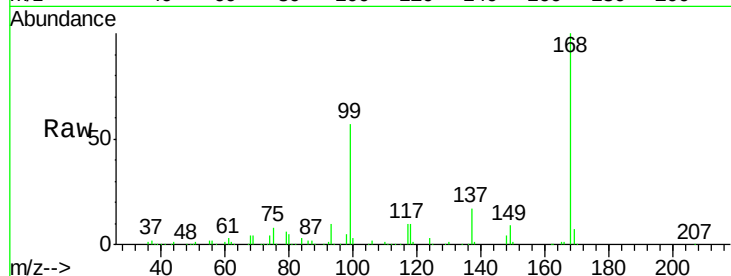
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 178904

Ion Ratio Lower Upper

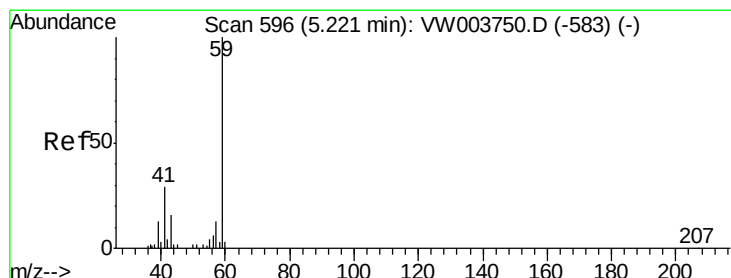
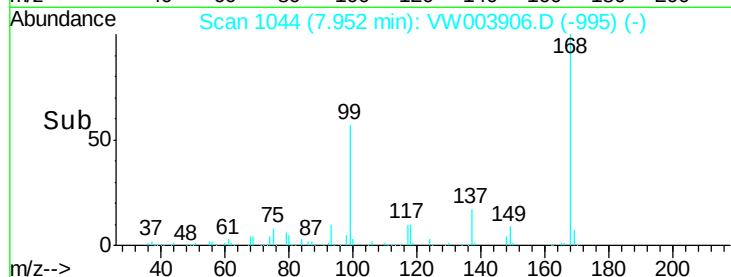
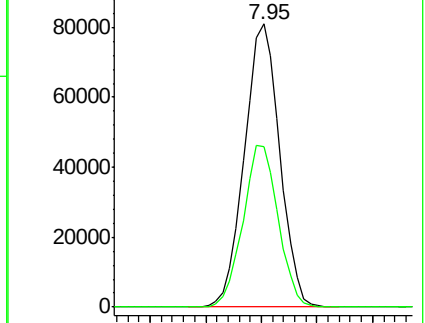
168 100

99 56.5 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: 6.988 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003906.D

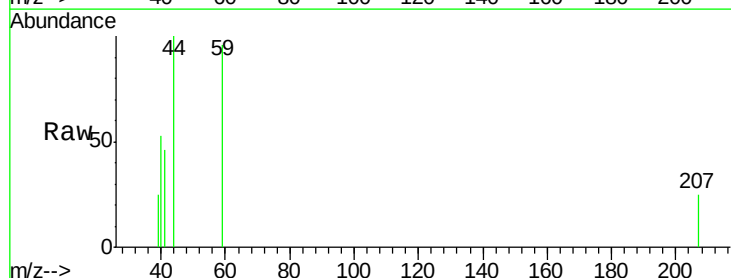
Acq: 12 Jul 2018 19:15

Tgt Ion: 59 Resp: 886

Ion Ratio Lower Upper

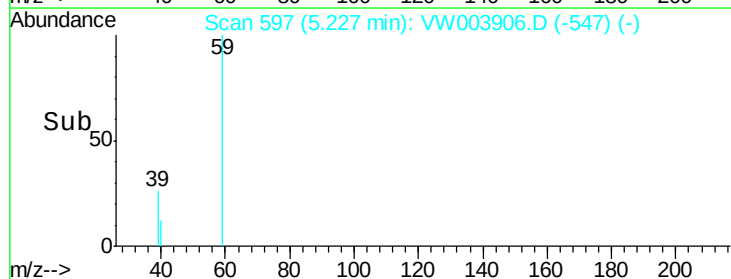
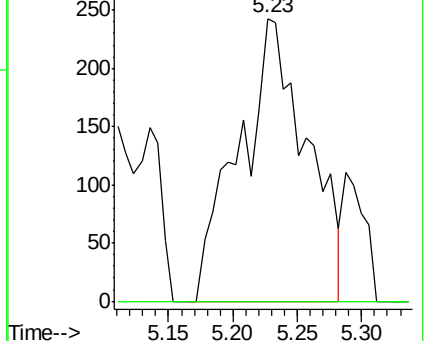
59 100

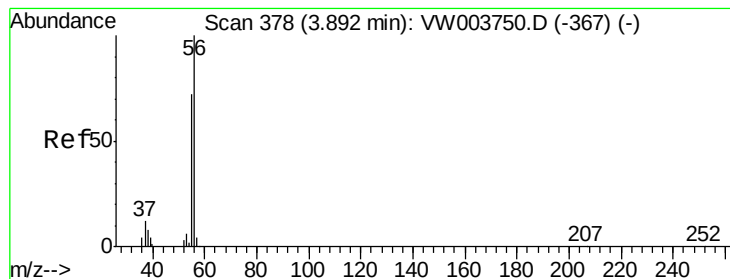
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.836 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.13 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

Instrument :

MSVOA_W

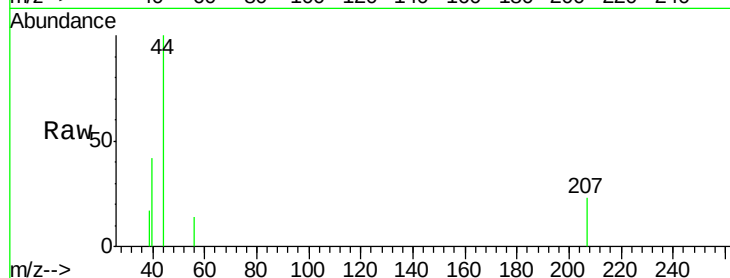
ClientSampled :

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

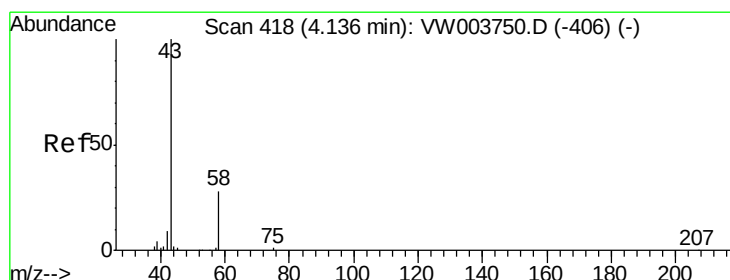
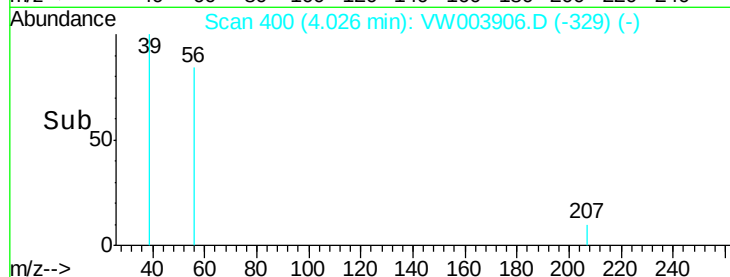
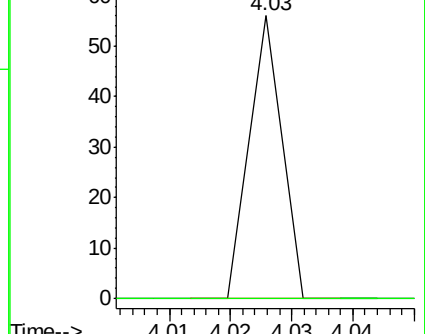
56 100

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: 117.049 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003906.D

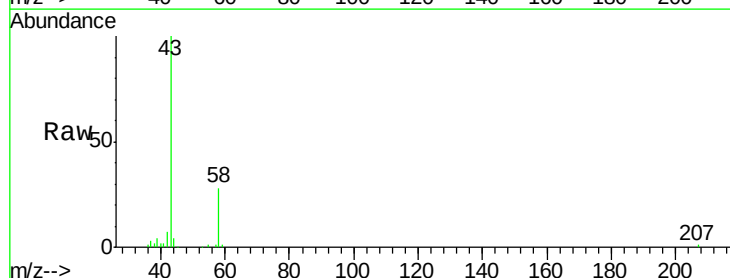
Acq: 12 Jul 2018 19:15

Tgt Ion: 43 Resp: 47511

Ion Ratio Lower Upper

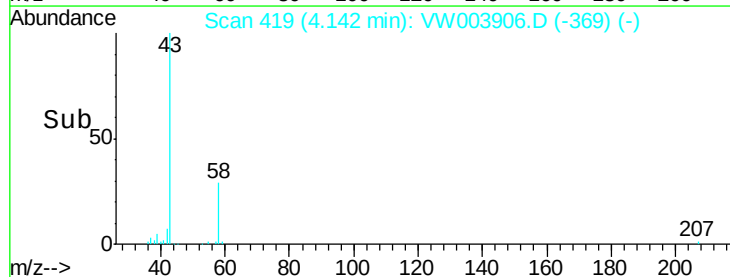
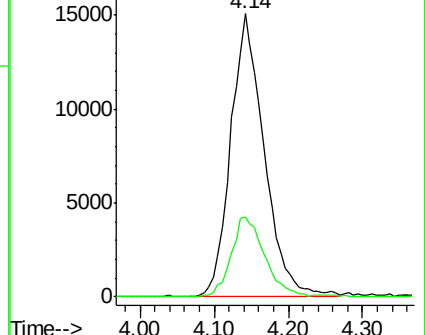
43 100

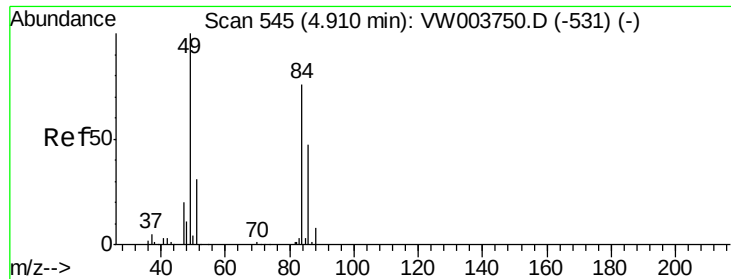
58 28.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

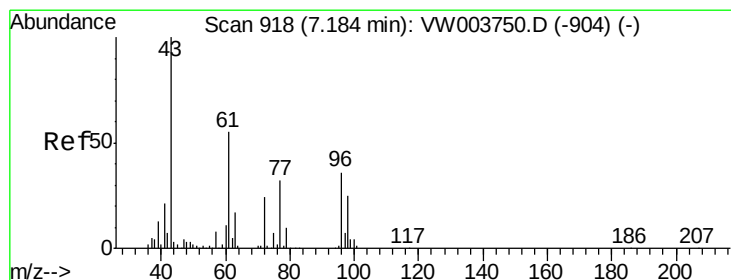
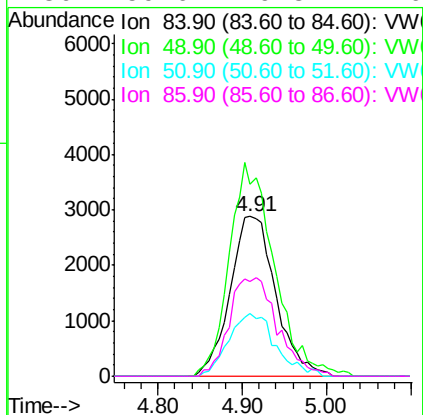
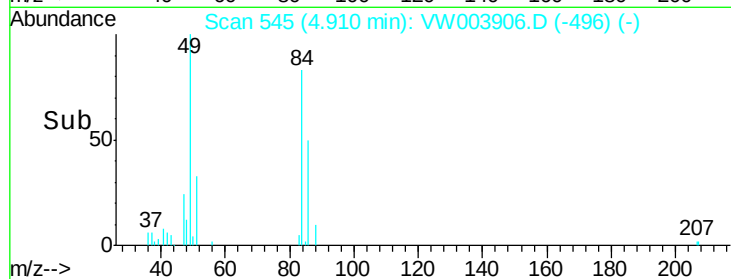
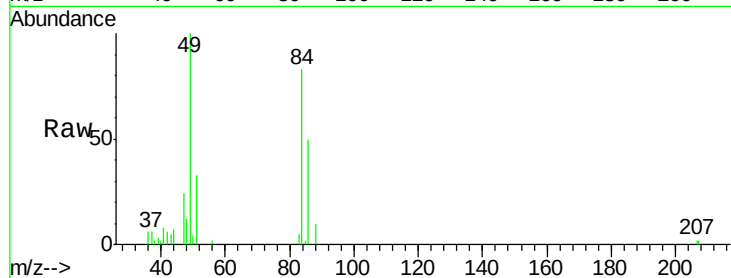




#20
Methylene Chloride
Concen: 1.057 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

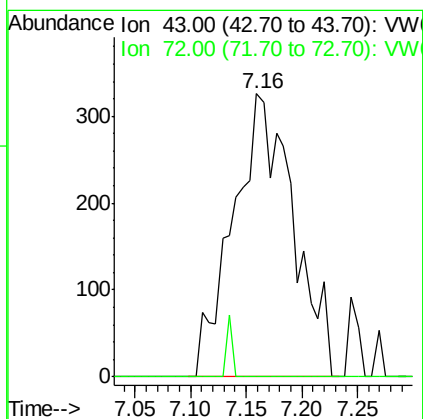
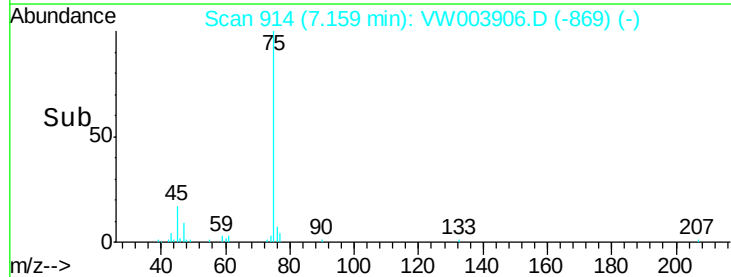
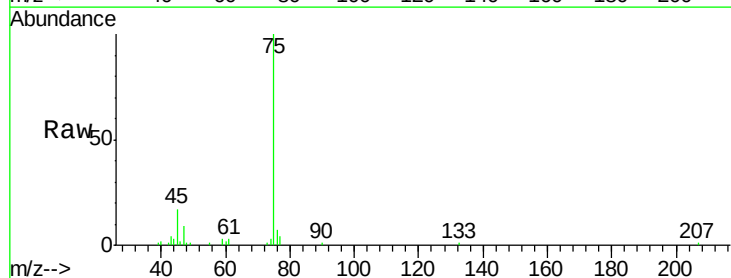
Instrument :
MSVOA_W
ClientSampleId :

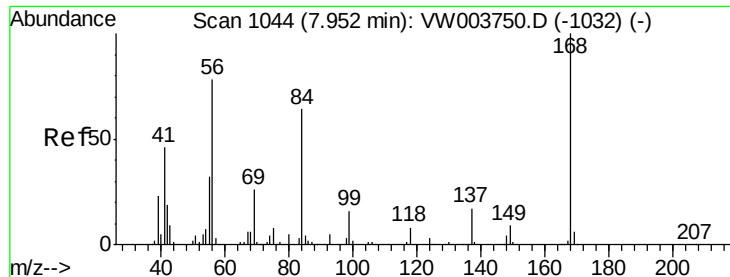
Tot Ion:	84	Resp:	10581
Ion	Ratio	Lower	Upper
84	100		
49	120.1	105.1	157.7
51	39.2	32.5	48.7
86	59.6	49.8	74.6



#25
2-Butanone
Concen: 1.913 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

Tgt Ion:	43	Resp:	1216
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

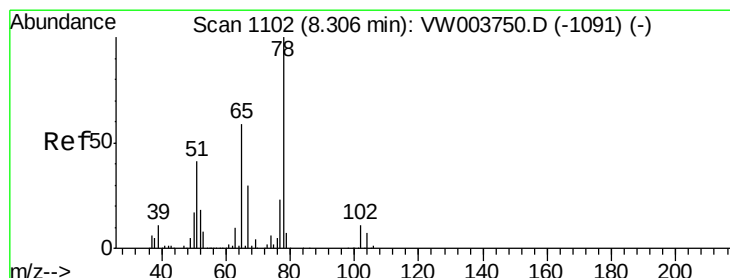
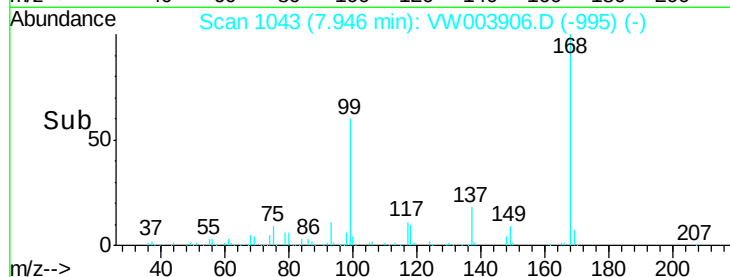
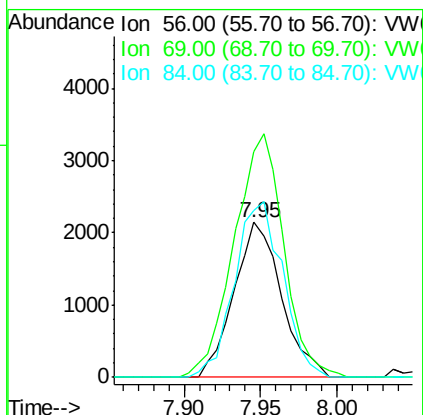
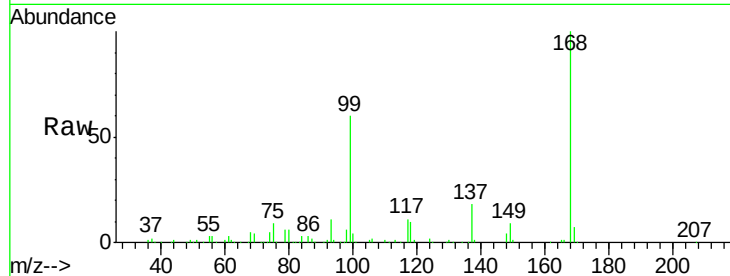




#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

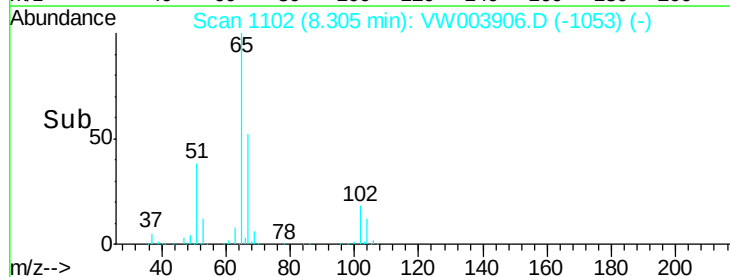
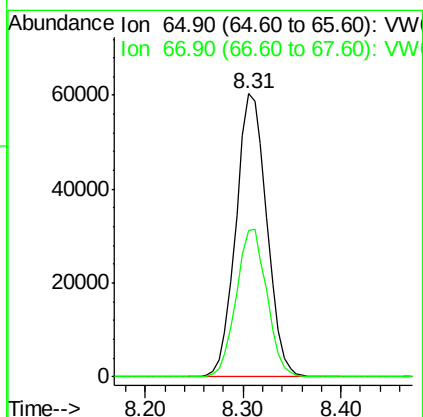
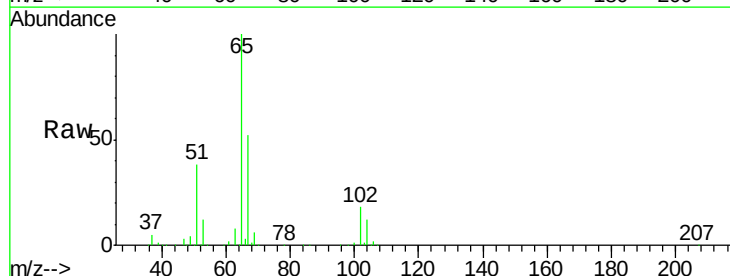
Instrument :
MSVOA_W
ClientSampled :

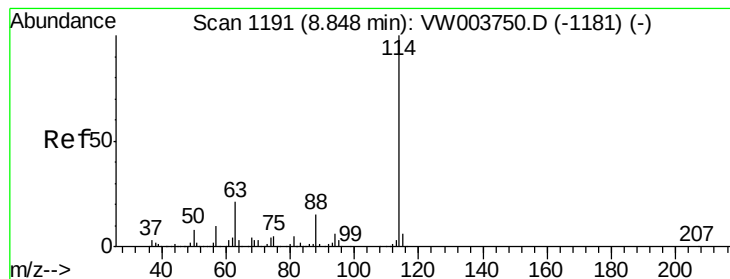
Tot Ion: 56 Resp: 4634
Ion Ratio Lower Upper
56 100
69 143.1 26.2 39.4#
84 107.8 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 56.391 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

Tgt Ion: 65 Resp: 131931
Ion Ratio Lower Upper
65 100
67 51.9 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: VW003906.D

Acq: 12 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

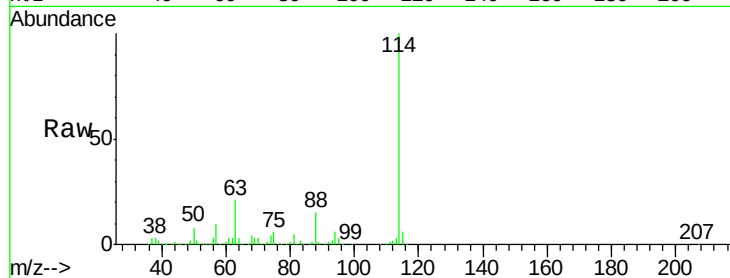
Tot Ion:114 Resp: 303665

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 15.2 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

8.85

200000

150000

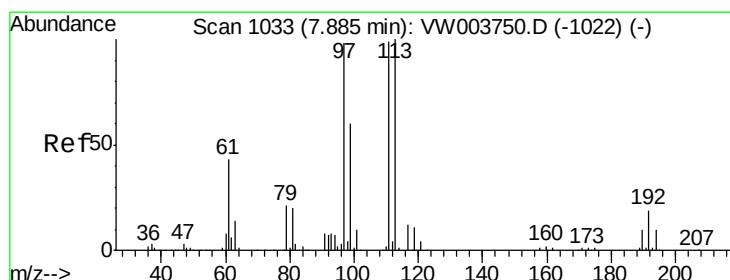
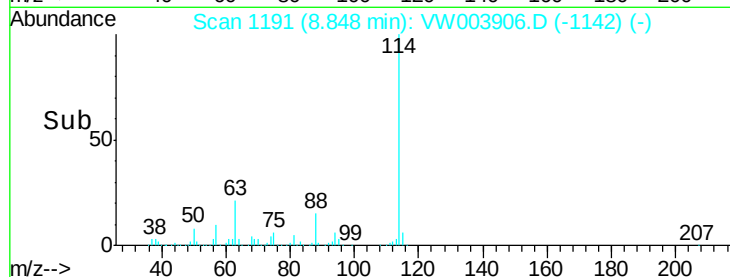
100000

50000

0

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 51.925 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

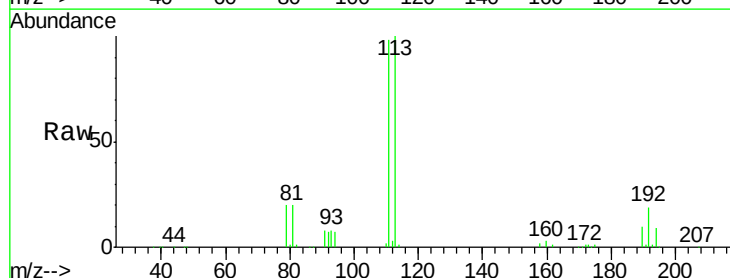
Tgt Ion:113 Resp: 110356

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

192 19.2 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

7.88

60000

50000

40000

30000

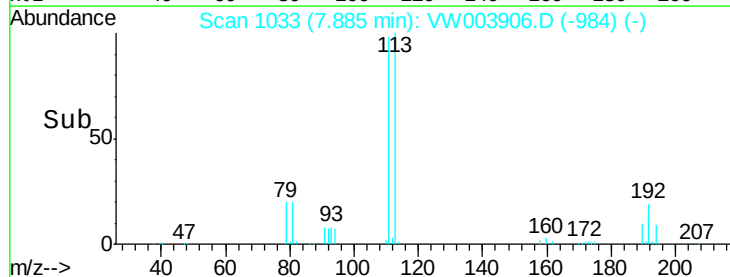
20000

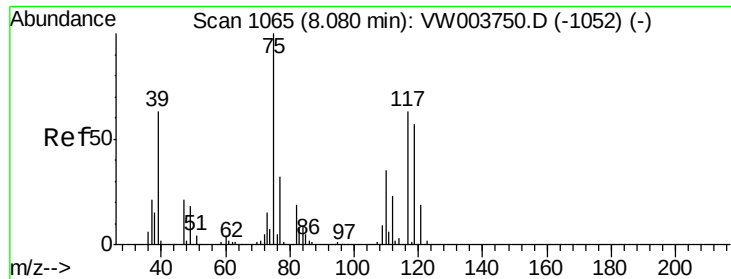
10000

0

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

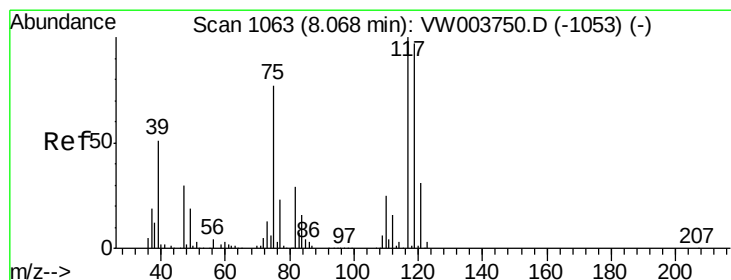
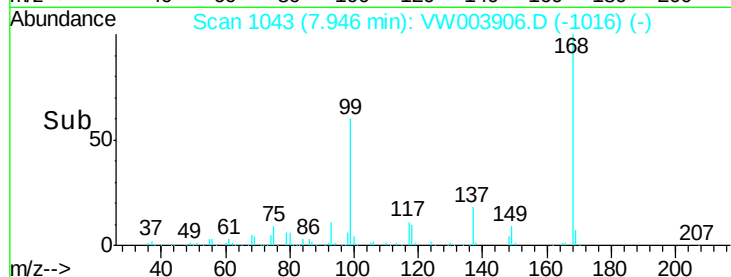
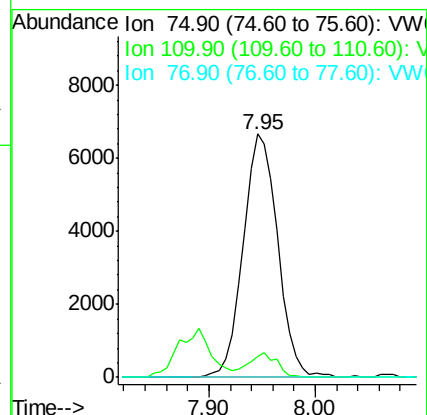
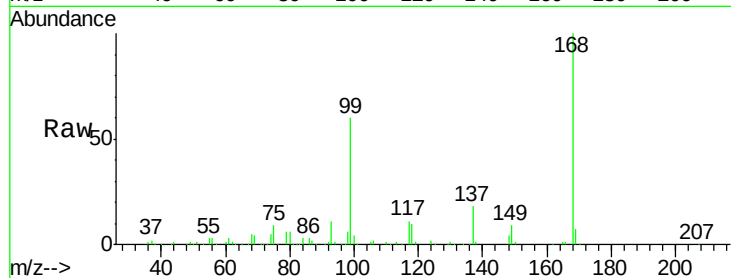
Tot Ion: 75 Resp: 15192

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

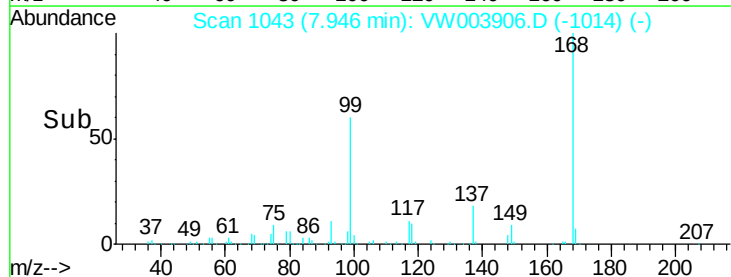
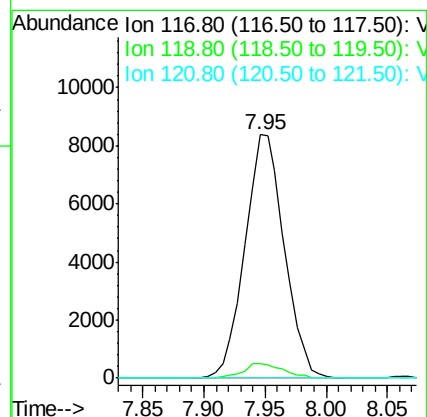
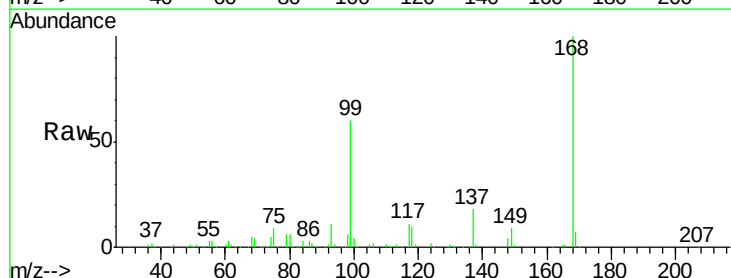
Tgt Ion: 117 Resp: 18741

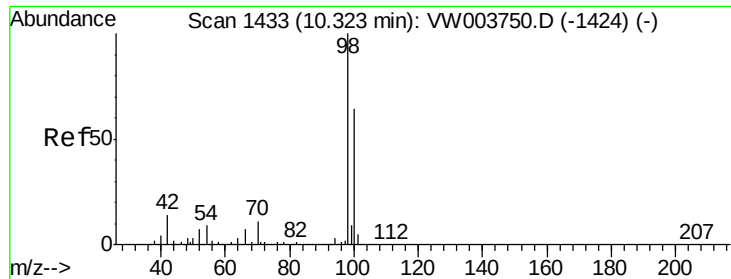
Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.2#

121 0.0 24.6 37.0#

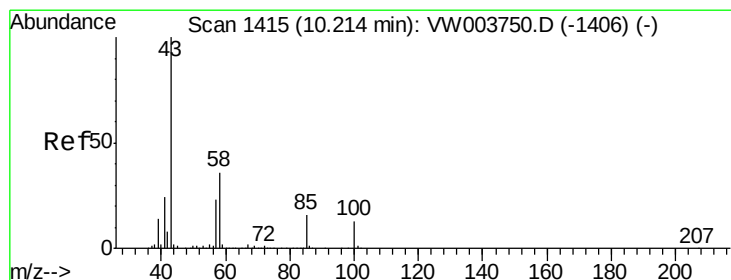
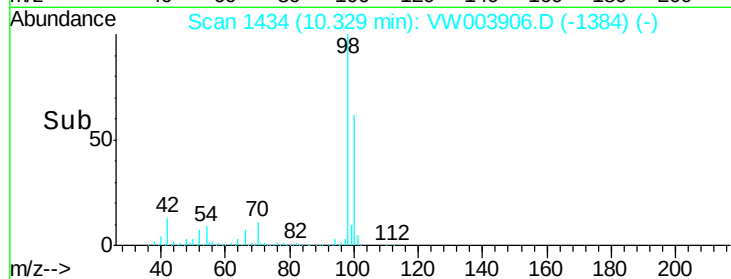
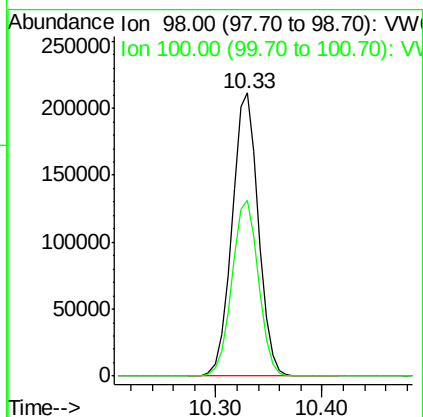
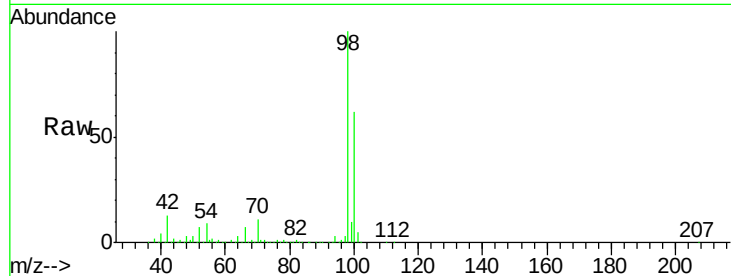




#50
Toluene-d8
Concen: 45.043 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

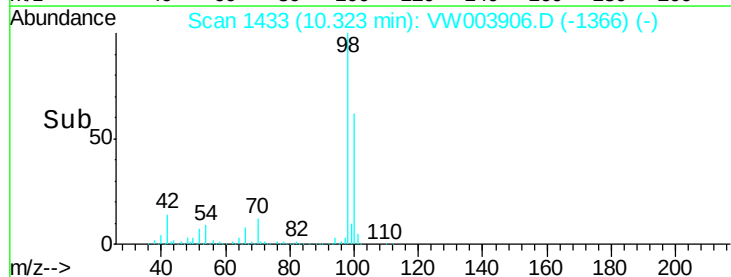
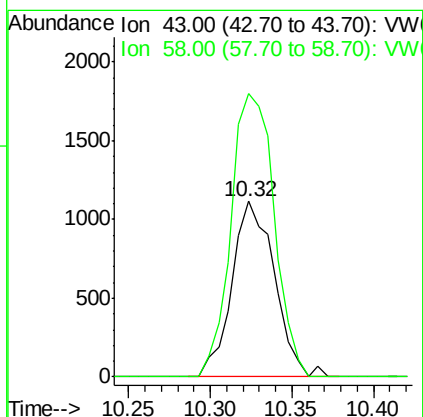
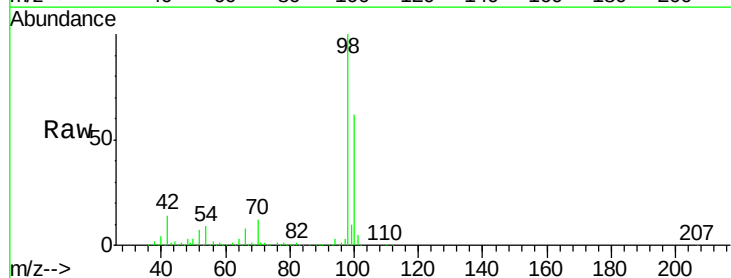
Instrument :
MSVOA_W
ClientSampleId :

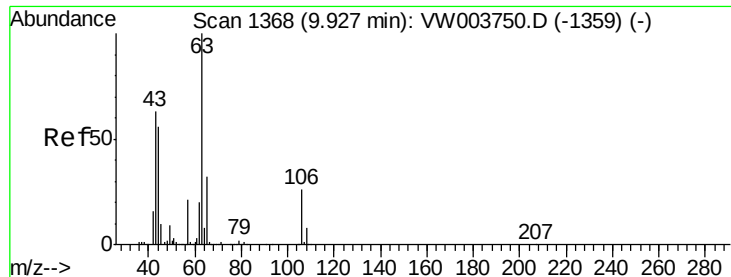
Tot Ion: 98 Resp: 366188
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.314 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 164.2 29.3 43.9#

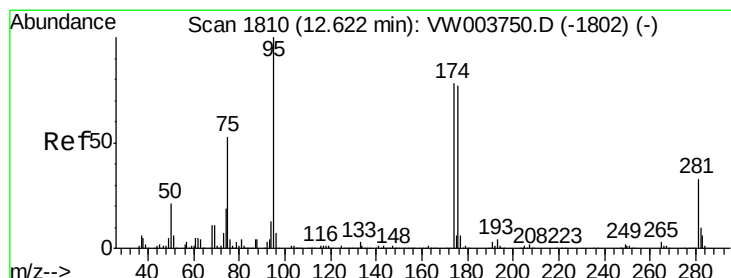
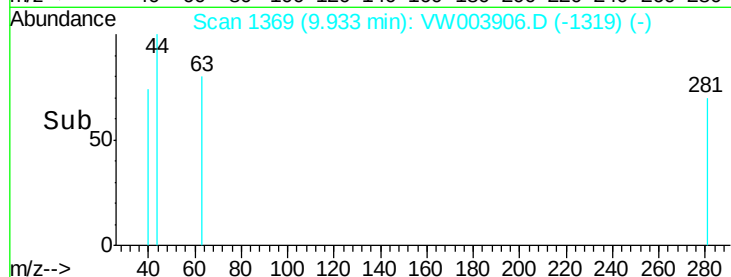
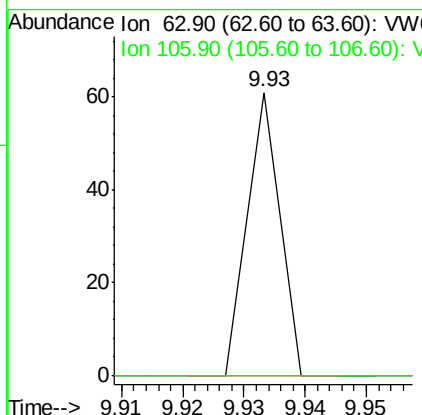
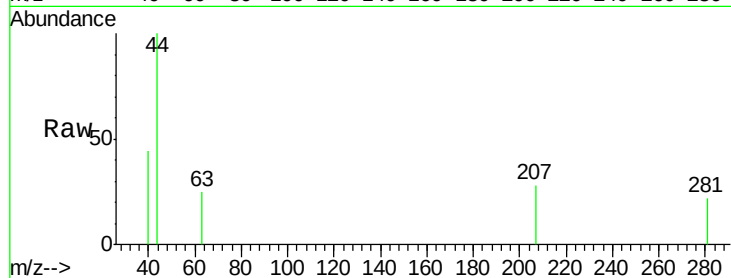




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.186 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VW003906.D
 Acq: 12 Jul 2018 19:15

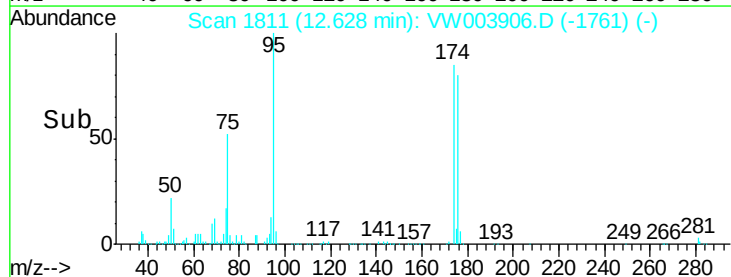
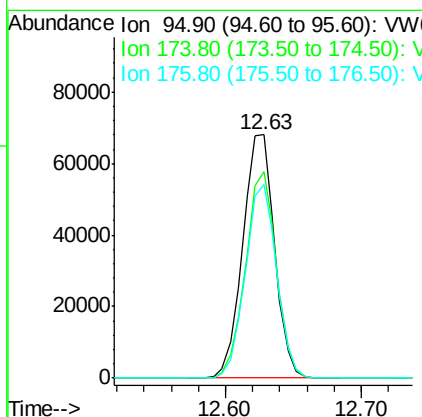
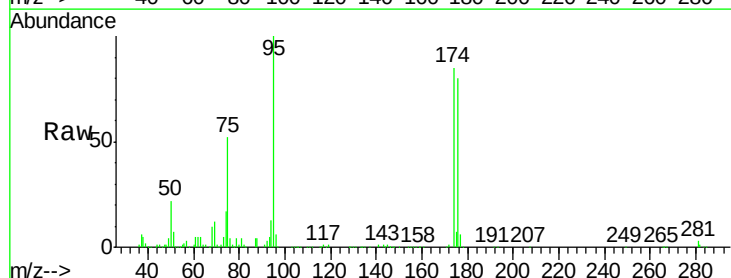
Instrument :
 MSVOA_W
 ClientSampleId :

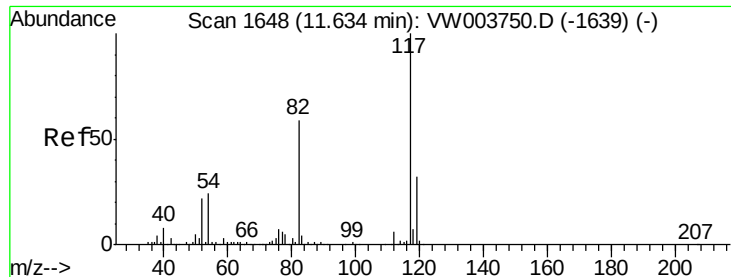
Tot Ion: 63 Resp: 22
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 37.812 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW003906.D
 Acq: 12 Jul 2018 19:15

Tgt Ion: 95 Resp: 111225
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 163.4
 176 78.6 0.0 156.8

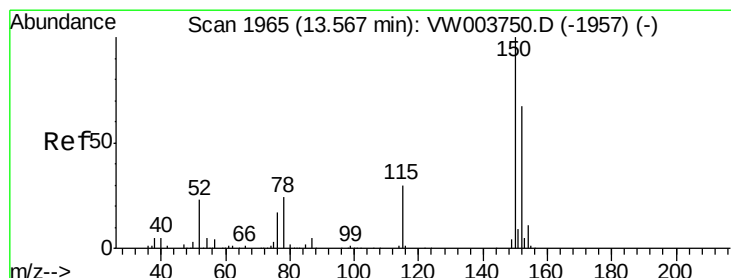
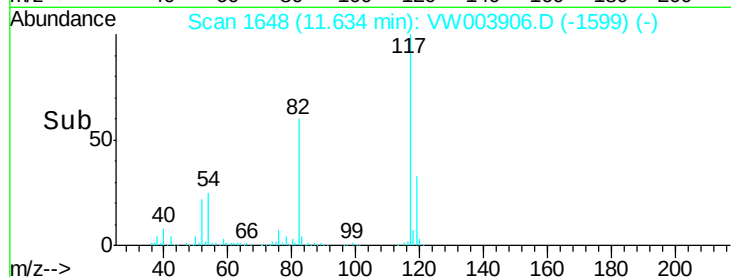
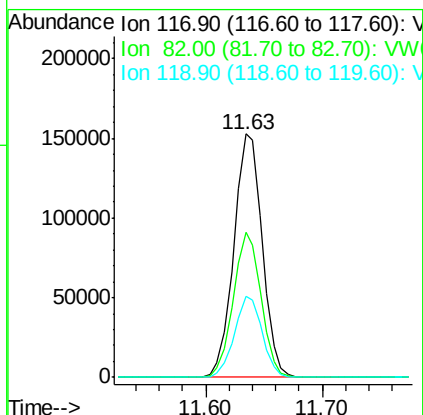
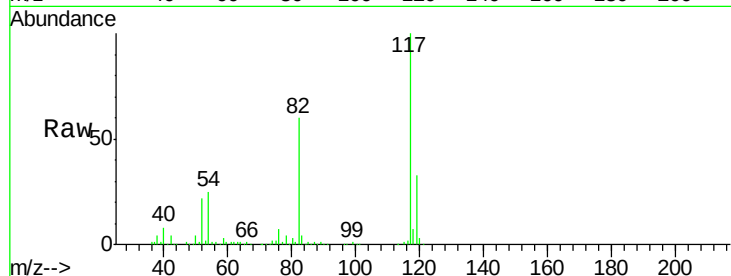




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

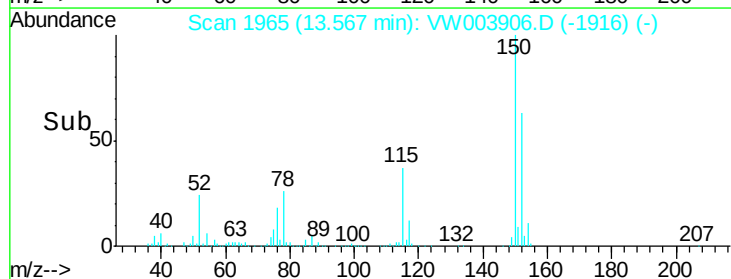
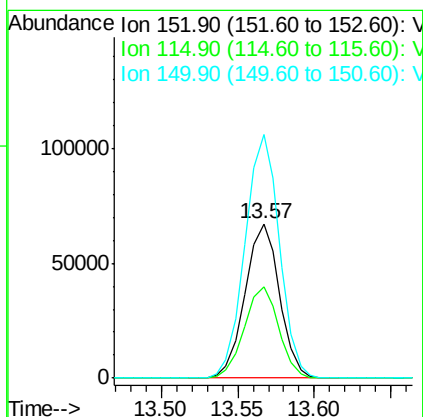
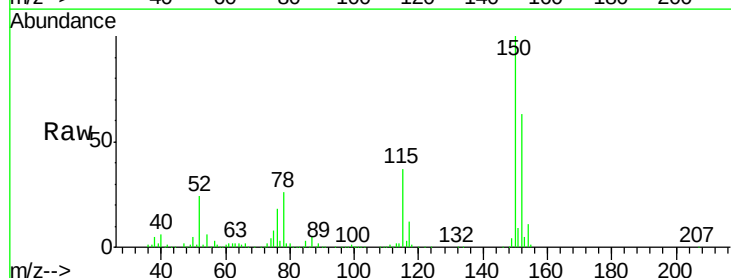
Instrument :
MSVOA_W
ClientSampleId :

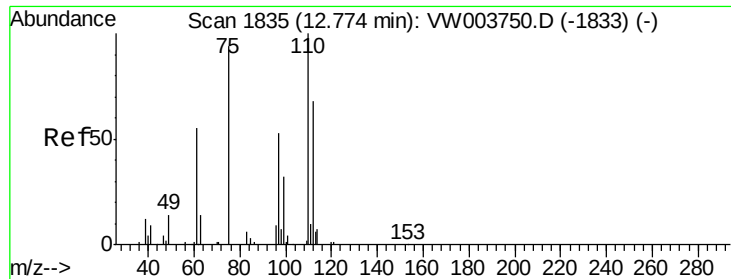
Tot Ion:117 Resp: 259279
Ion Ratio Lower Upper
117 100
82 59.7 46.9 70.3
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003906.D
Acq: 12 Jul 2018 19:15

Tgt Ion:152 Resp: 105328
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.8
150 157.4 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 58.187 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

Instrument :

MSVOA_W

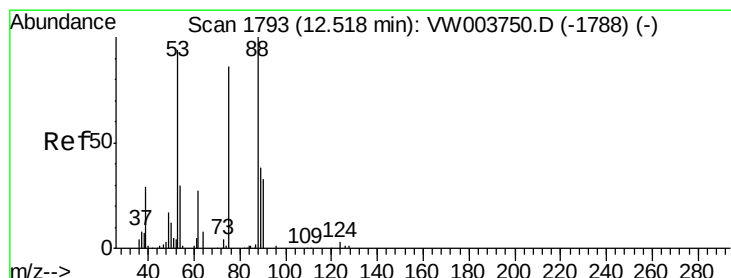
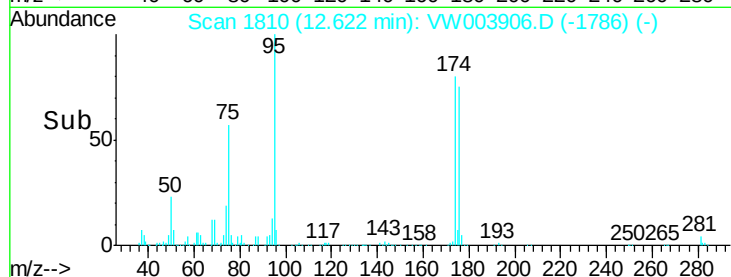
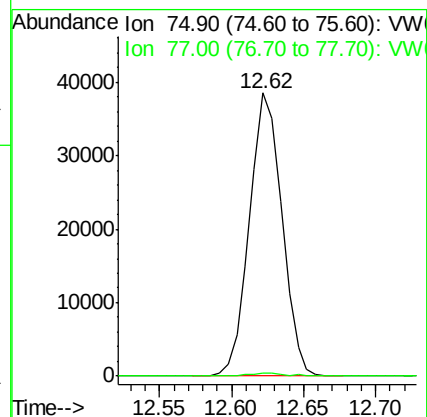
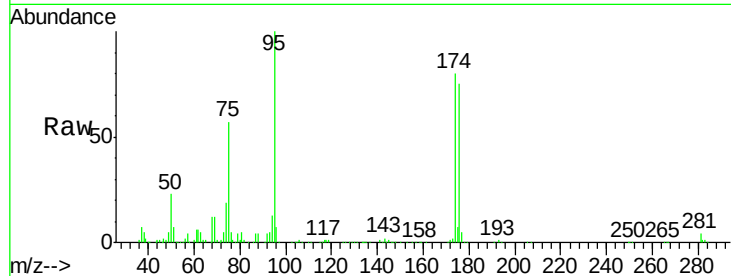
ClientSampleId :

Tot Ion: 75 Resp: 60183

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.339 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003906.D

Acq: 12 Jul 2018 19:15

Tgt Ion: 75 Resp: 60183

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#

