

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003889.D
 Acq On : 12 Jul 2018 02:35
 Operator : SY/AP
 Sample : J3918-01RE
 Misc : 4.88G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 03:41:32 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	7.96	168	12068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	19268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	19735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8251	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	9737	61.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.40%	
35) Dibromofluoromethane	7.89	113	7957	59.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.00%	
50) Toluene-d8	10.33	98	21732	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
62) 4-Bromofluorobenzene	12.62	95	8100	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	

Target Compounds

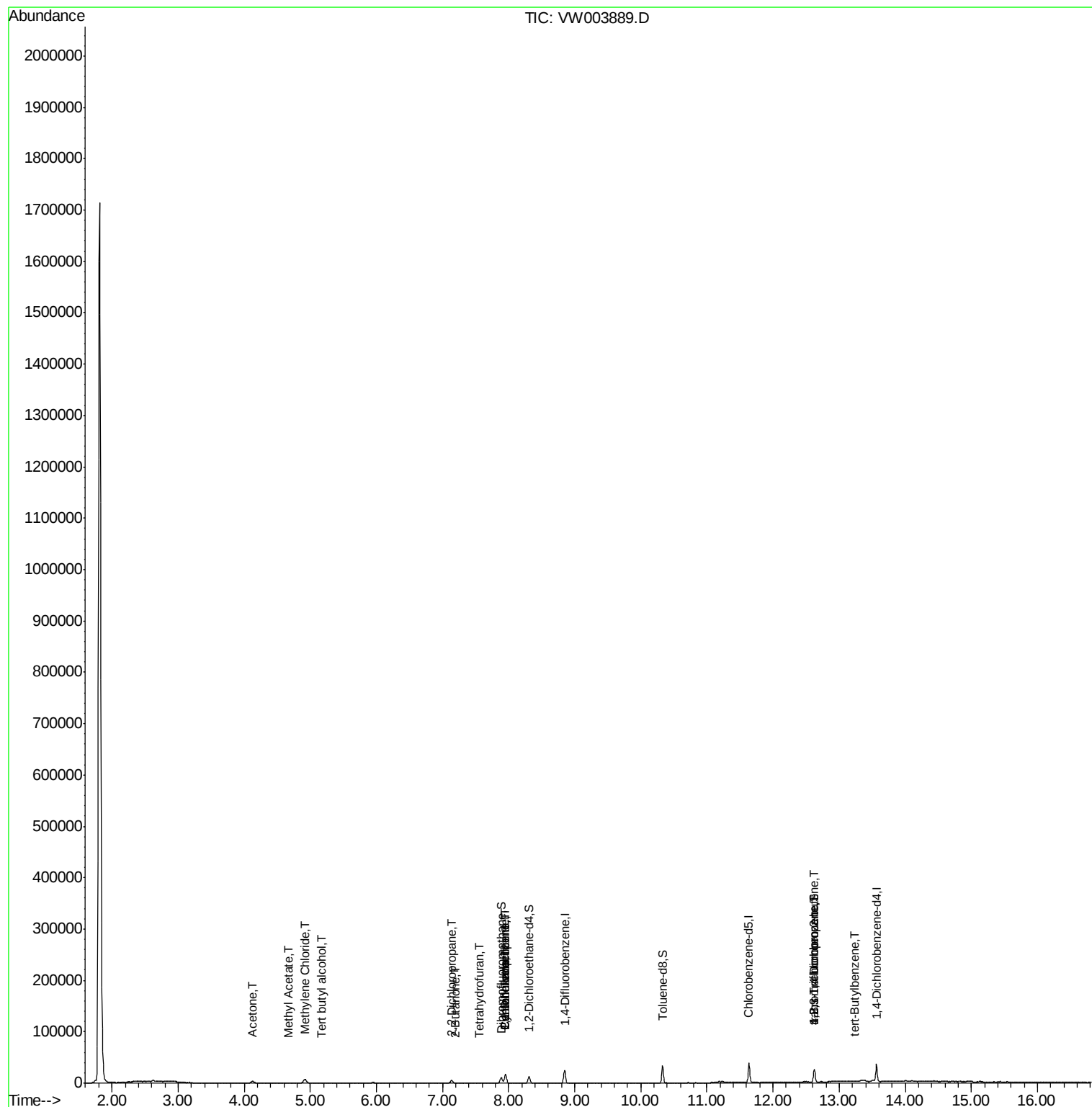
						Qvalue
11) Tert butyl alcohol	5.18	59	79	9.237	ug/l #	70
16) Acetone	4.12	43	6049	220.923	ug/l	98
18) Methyl Acetate	4.67	43	142	1.839	ug/l #	54
20) Methylene Chloride	4.92	84	5526	40.587	ug/l #	91
25) 2-Butanone	7.20	43	170	3.964	ug/l #	51
26) 2,2-Dichloropropane	7.13	77	331	2.329	ug/l #	53
29) Tetrahydrofuran	7.54	42	30	1.088	ug/l #	36
31) Cyclohexane	7.95	56	311	1.350	ug/l #	73
36) 1,1-Dichloropropene	7.95	75	1100	5.380	ug/l #	42
38) Carbon Tetrachloride	7.95	117	1363	7.012	ug/l #	12
76) 1,2,3-Trichloropropane	12.62	75	3958	48.850	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	3958	119.499	ug/l #	8
83) tert-Butylbenzene	13.23	119	507	1.276	ug/l #	63

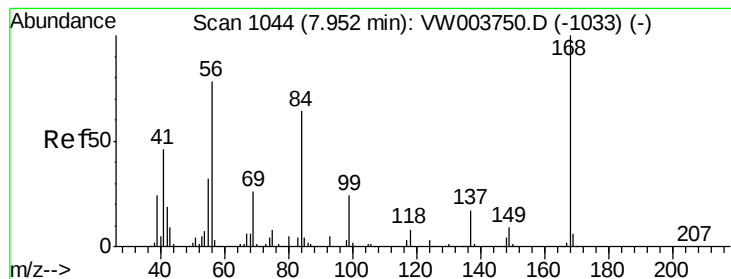
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

Instrument :

MSVOA_W

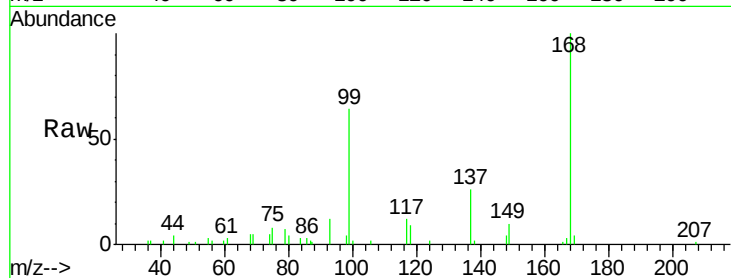
ClientSampleId :

Tot Ion:168 Resp: 12068

Ion Ratio Lower Upper

168 100

99 63.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

6000

5000

4000

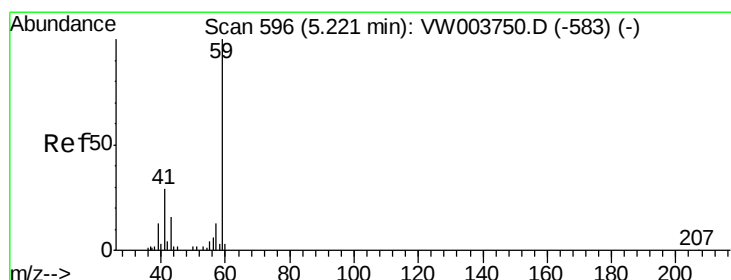
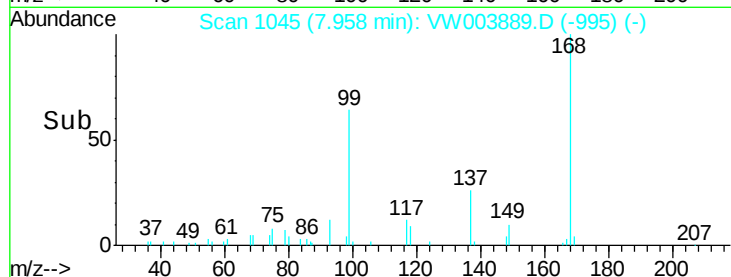
3000

2000

1000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.237 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.04 min

Lab File: VW003889.D

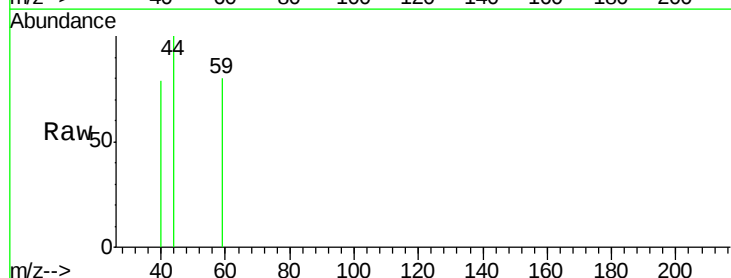
Acq: 12 Jul 2018 02:35

Tgt Ion: 59 Resp: 79

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

5.18

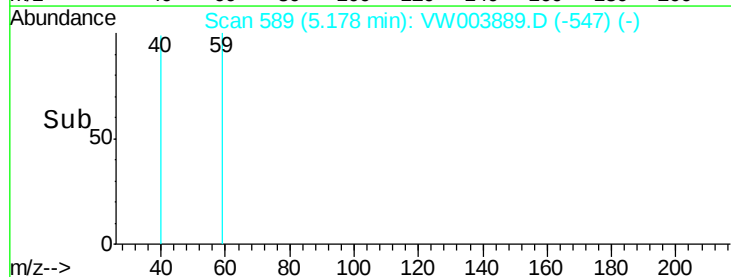
150

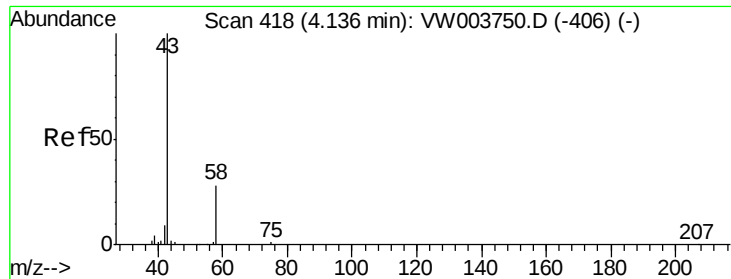
100

50

0

Time-->

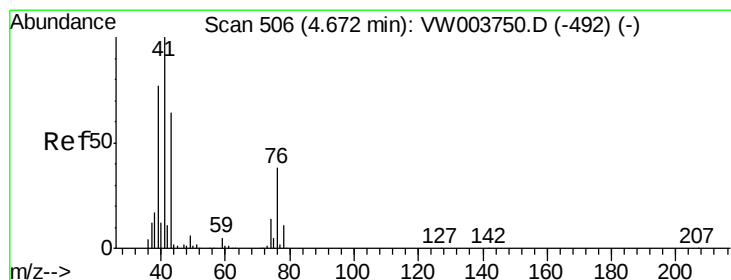
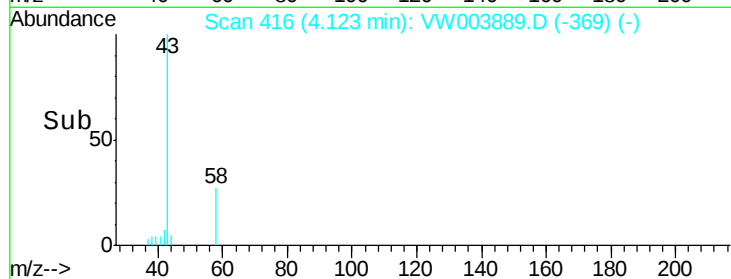
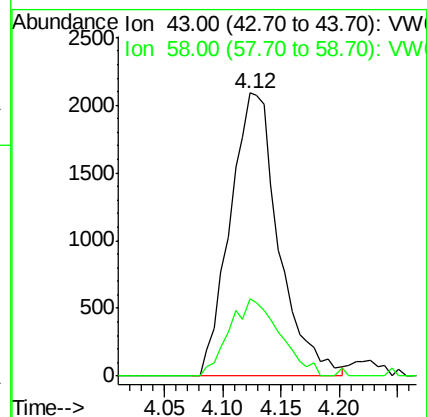
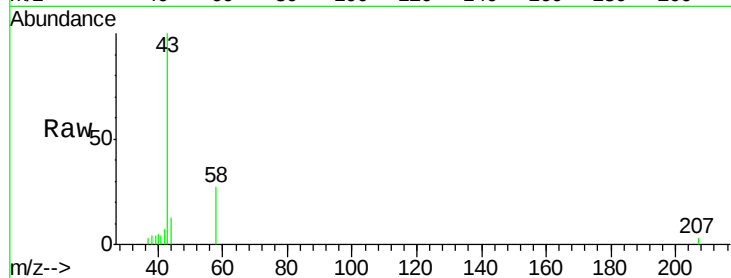




#16
Acetone
Concen: 220.923 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW003889.D
Acq: 12 Jul 2018 02:35

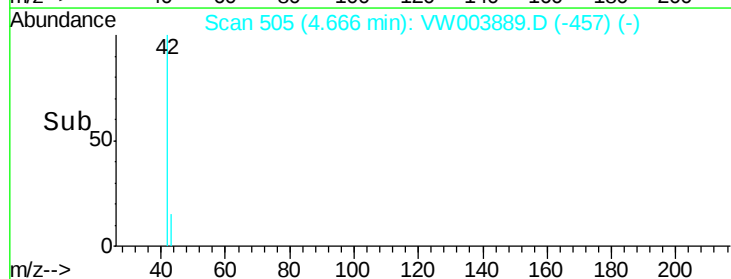
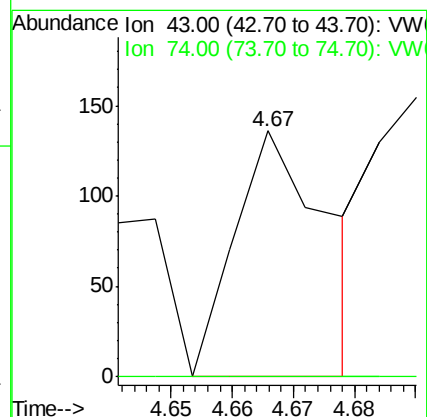
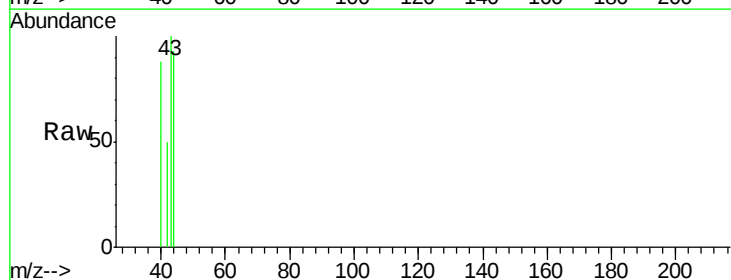
Instrument :
MSVOA_W
ClientSampled :

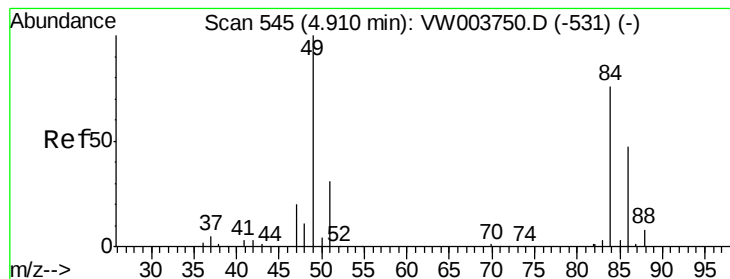
Tot Ion: 43 Resp: 6049
Ion Ratio Lower Upper
43 100
58 27.3 22.6 34.0



#18
Methyl Acetate
Concen: 1.839 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW003889.D
Acq: 12 Jul 2018 02:35

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#





#20

Methvlene Chloride

Concen: 40.587 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 5526

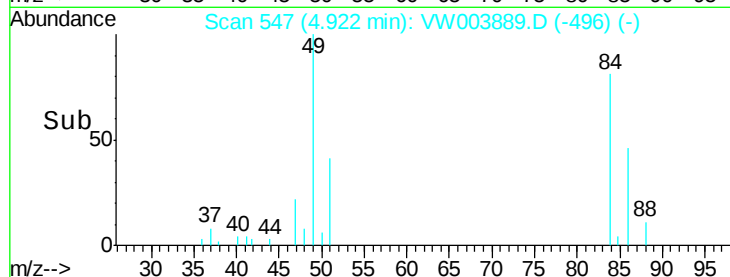
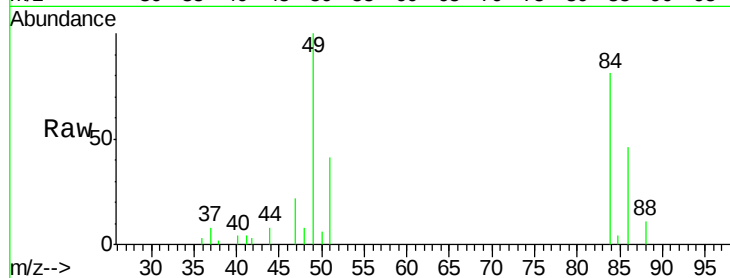
Ion Ratio Lower Upper

84 100

49 123.5 105.1 157.7

51 51.1 32.5 48.7#

86 56.5 49.8 74.6

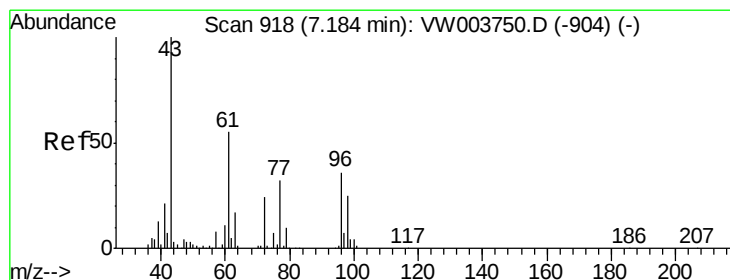
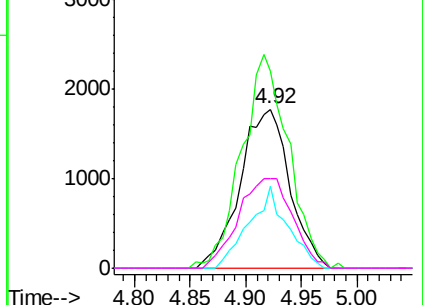


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.964 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW003889.D

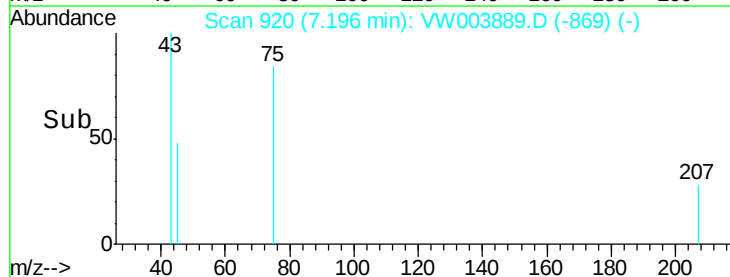
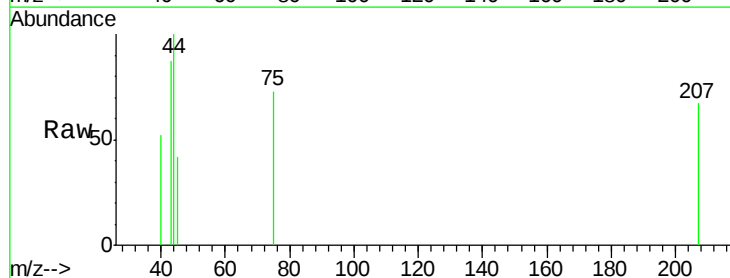
Acq: 12 Jul 2018 02:35

Tgt Ion: 43 Resp: 170

Ion Ratio Lower Upper

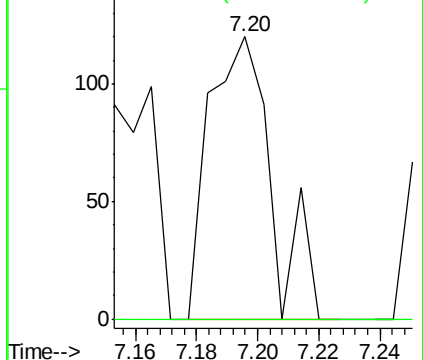
43 100

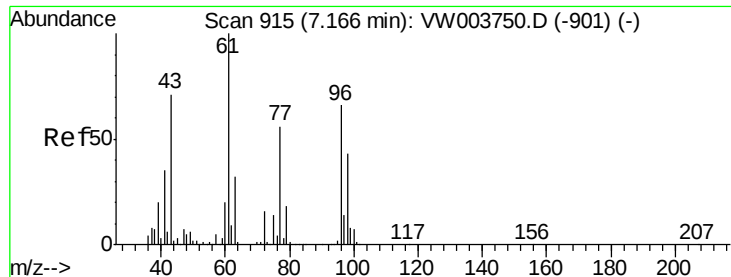
72 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.329 ug/l

RT: 7.13 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

Instrument :

MSVOA_W

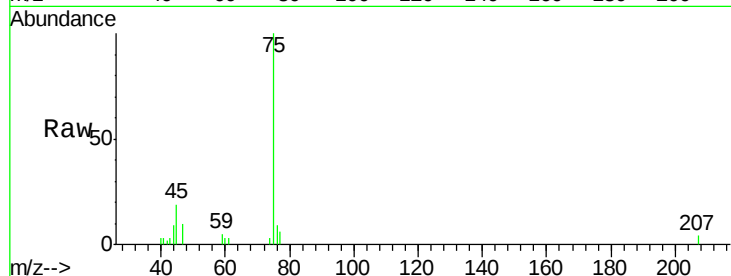
ClientSampleId :

Tot Ion: 77 Resp: 331

Ion Ratio Lower Upper

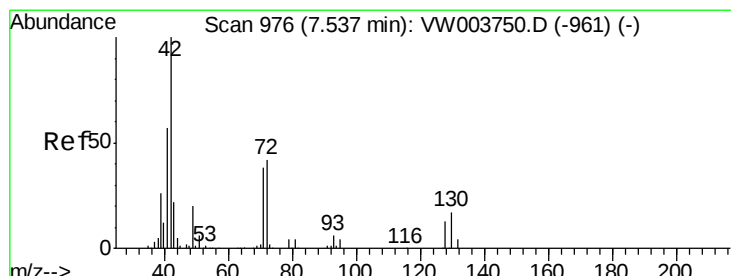
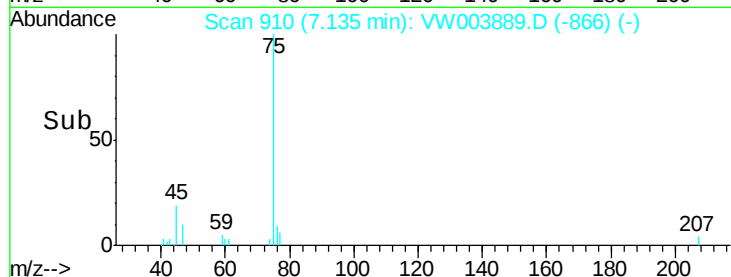
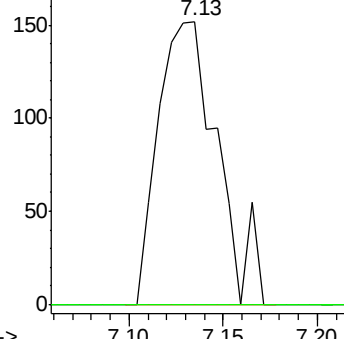
77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.088 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

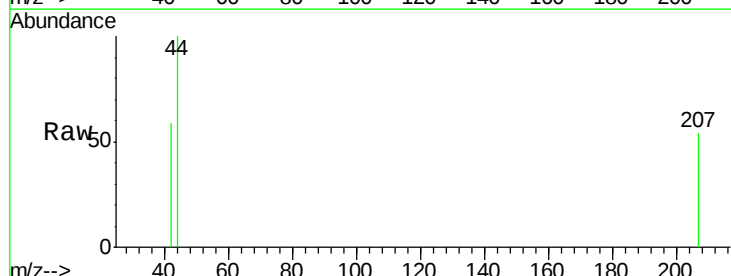
Tgt Ion: 42 Resp: 30

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

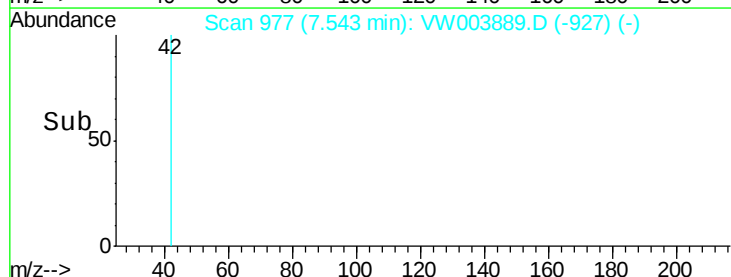
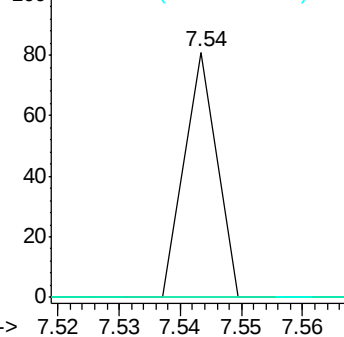
71 0.0 30.3 45.5#

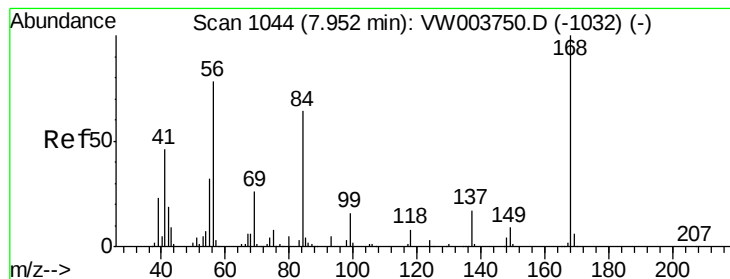


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.350 ug/l

RT: 7.95 min Scan# 1043

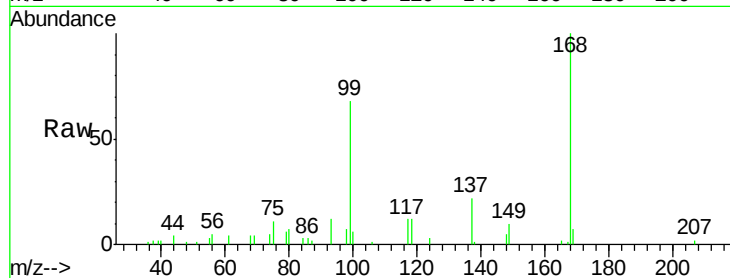
Delta R.T. -0.01 min

Lab File: VW003889.D

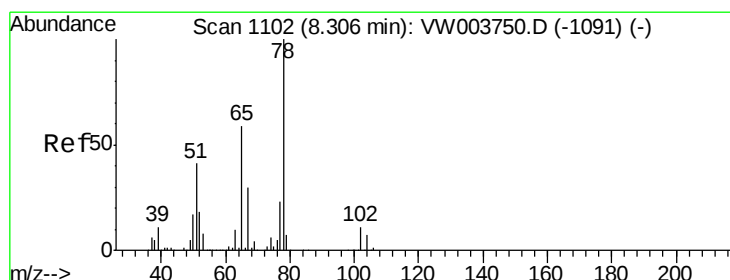
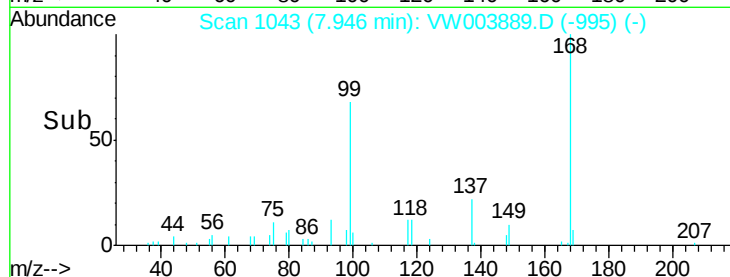
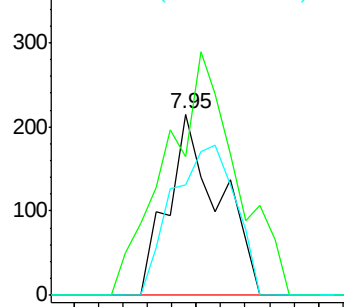
Acq: 12 Jul 2018 02:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	56	Resp:	311
Ion	Ratio	Lower	Upper
56	100		
69	53.0	26.2	39.4#
84	60.9	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: 61.698 ug/l

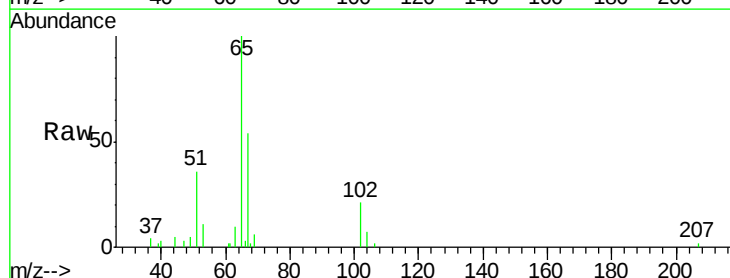
RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

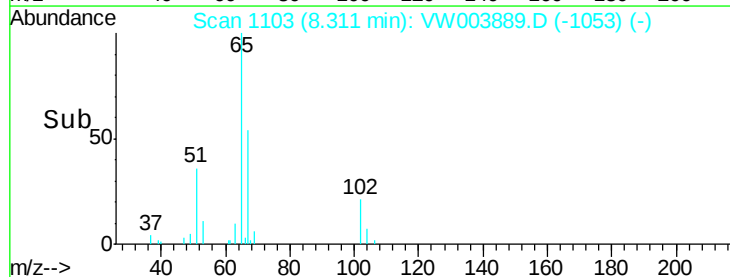
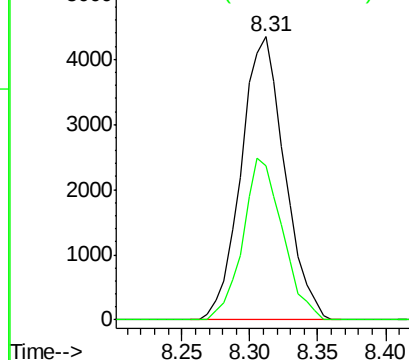
Lab File: VW003889.D

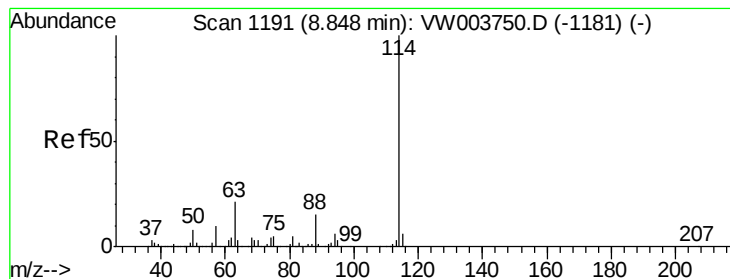
Acq: 12 Jul 2018 02:35

Tgt Ion:	65	Resp:	9737
Ion	Ratio	Lower	Upper
65	100		
67	52.1	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: VW003889.D

Acq: 12 Jul 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

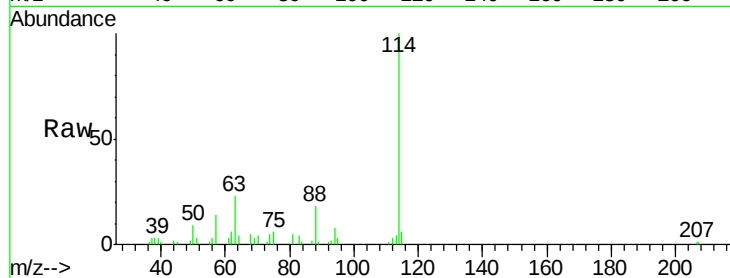
Tot Ion:114 Resp: 19268

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

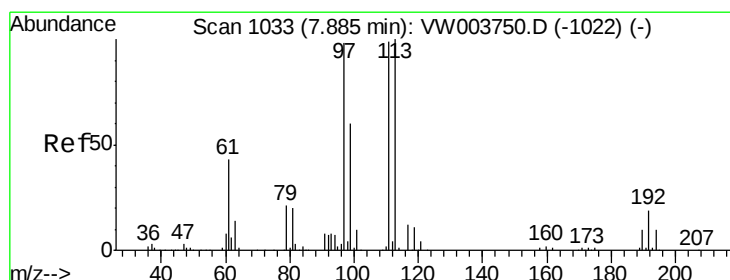
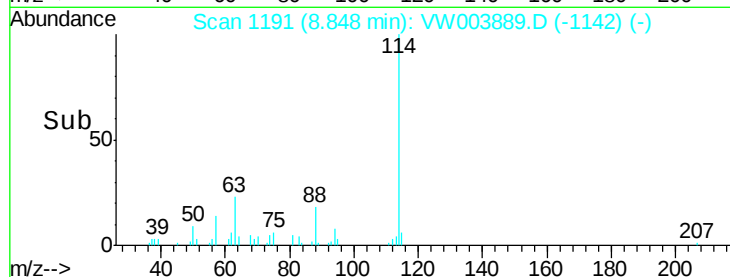
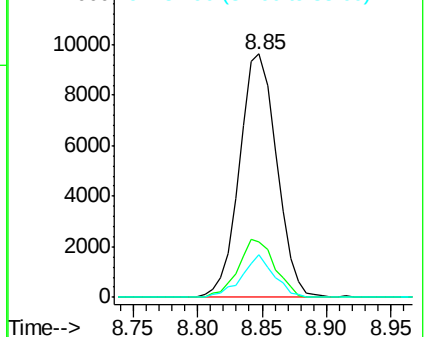
88 17.7 0.0 30.2



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: 59.005 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

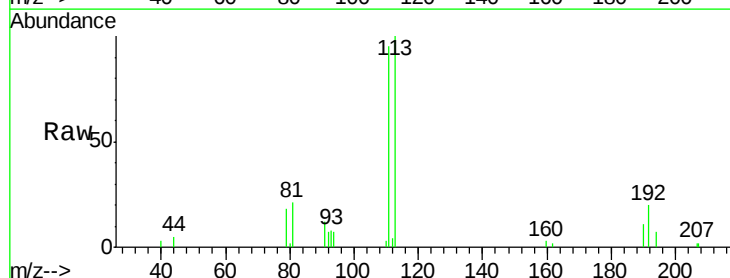
Tgt Ion:113 Resp: 7957

Ion Ratio Lower Upper

113 100

111 96.4 81.7 122.5

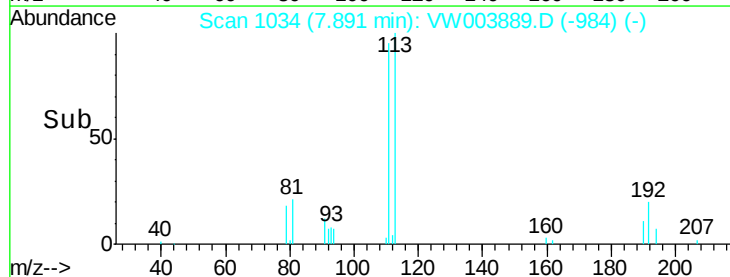
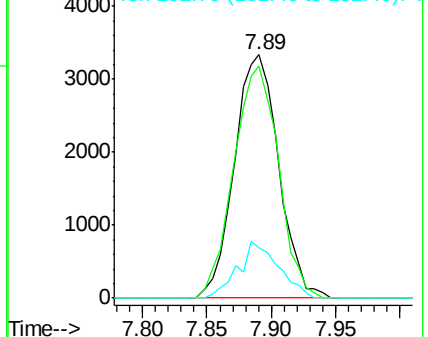
192 21.2 15.8 23.8

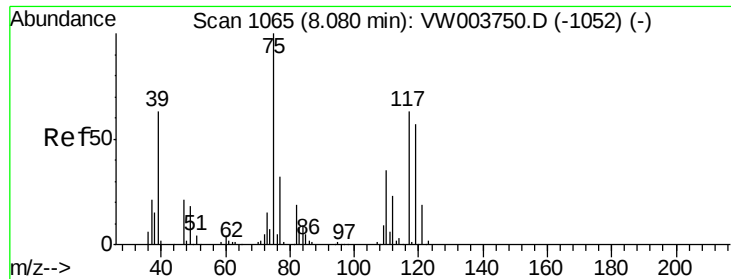


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

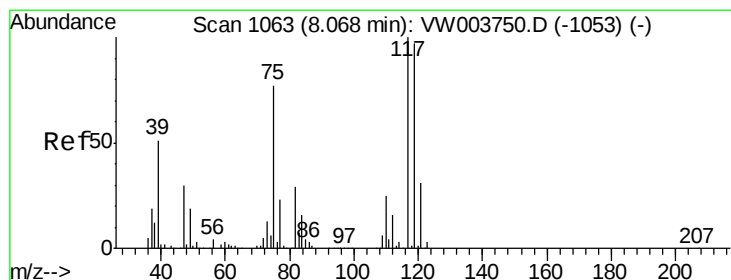
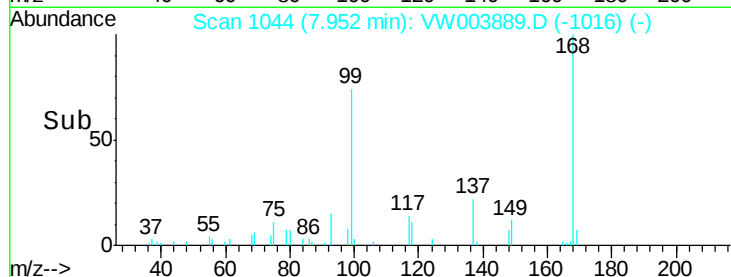
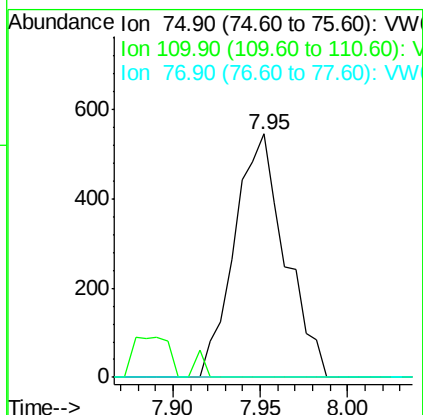
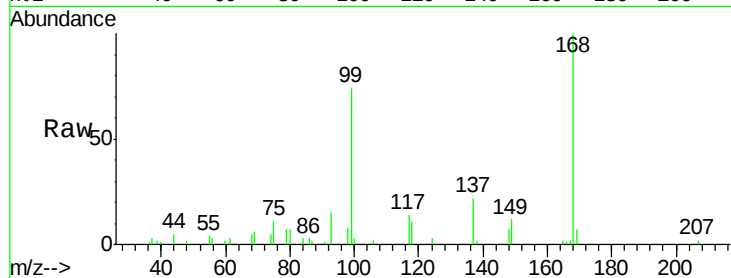




#36
 1,1-Dichloropropene
 Concen: 5.380 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003889.D
 Acq: 12 Jul 2018 02:35

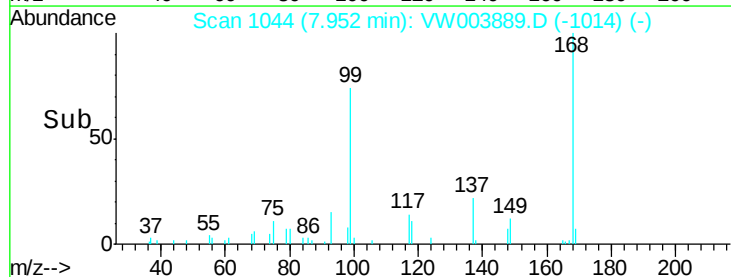
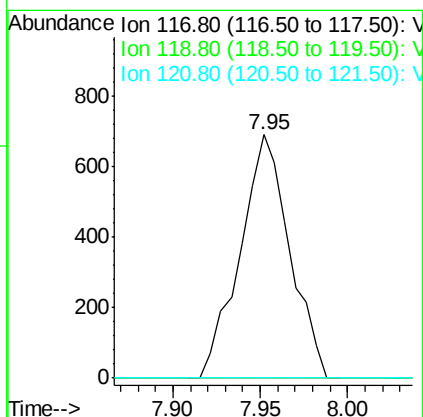
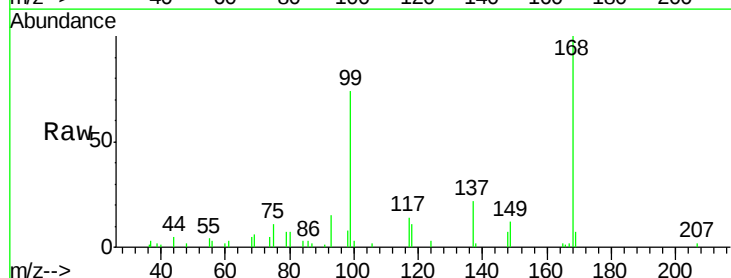
Instrument :
 MSVOA_W
 ClientSampled :

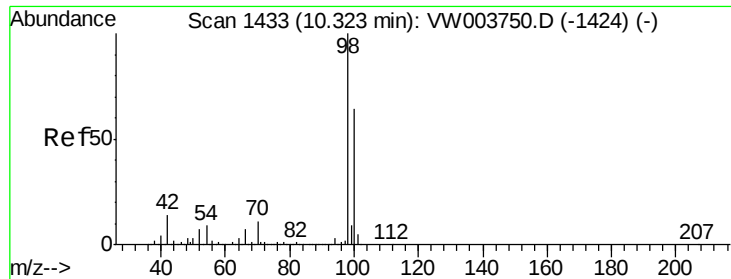
Tot Ion: 75 Resp: 1100
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.012 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003889.D
 Acq: 12 Jul 2018 02:35

Tgt Ion: 117 Resp: 1363
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.4 116.2#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 42.129 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

Instrument :

MSVOA_W

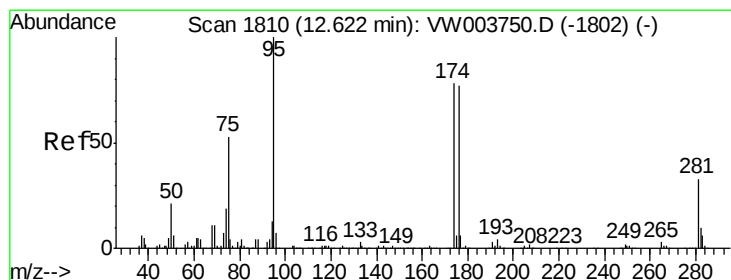
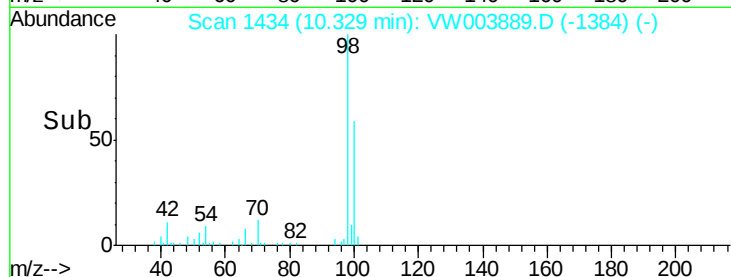
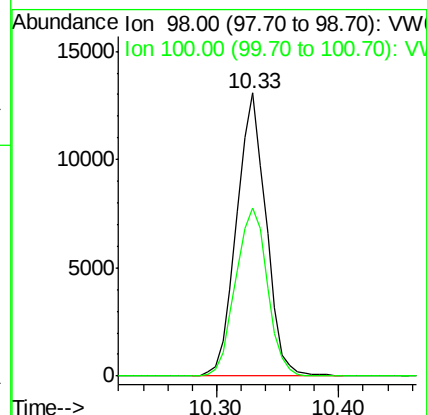
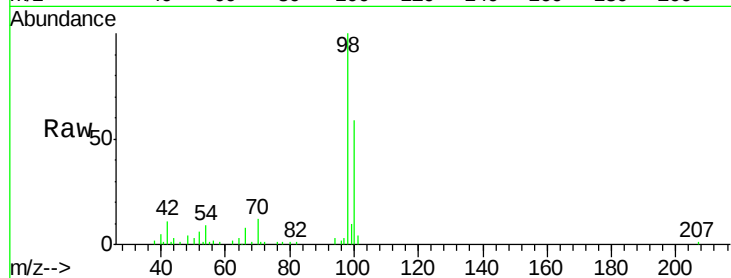
ClientSampleId :

Tot Ion: 98 Resp: 21732

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 43.399 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003889.D

Acq: 12 Jul 2018 02:35

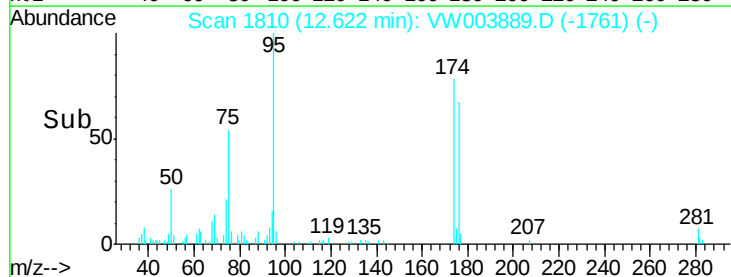
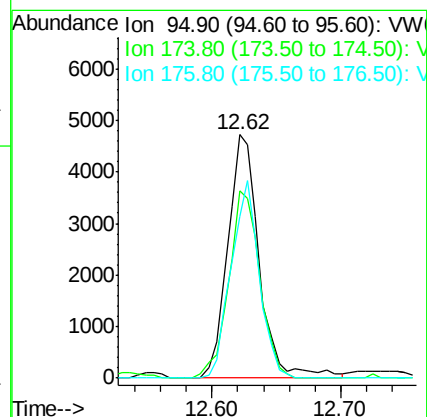
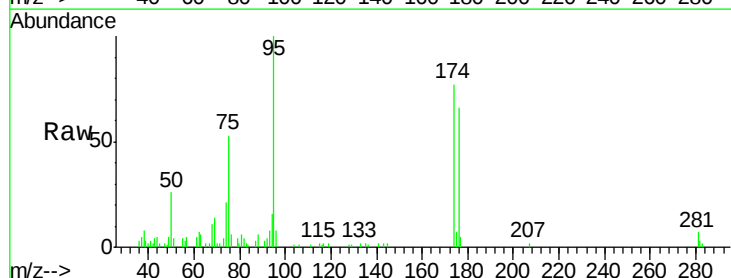
Tgt Ion: 95 Resp: 8100

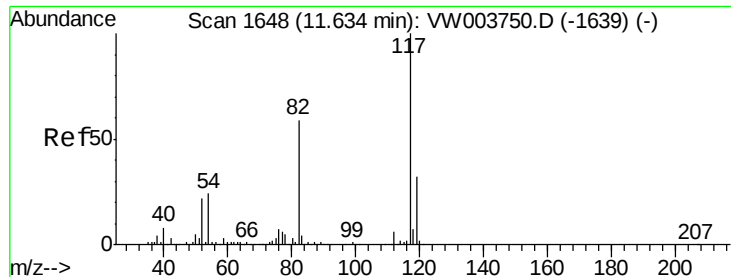
Ion Ratio Lower Upper

95 100

174 75.6 0.0 163.4

176 72.3 0.0 156.8

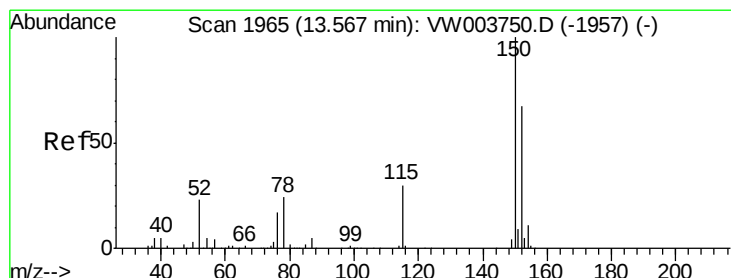
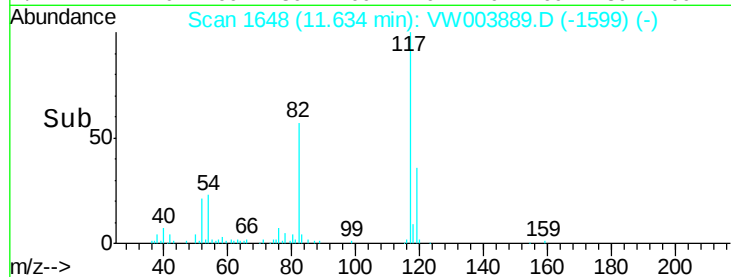
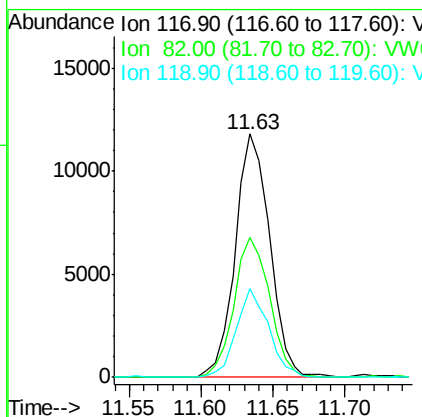
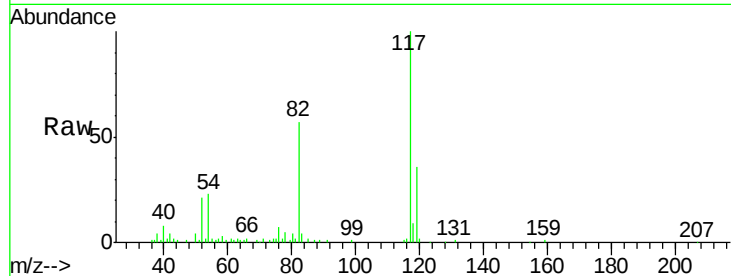




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003889.D
Acq: 12 Jul 2018 02:35

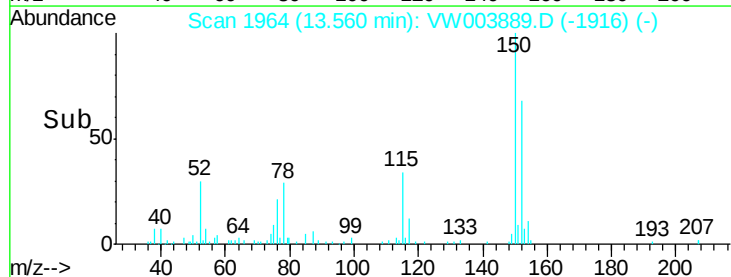
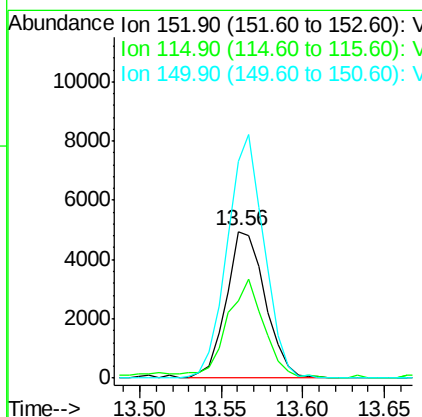
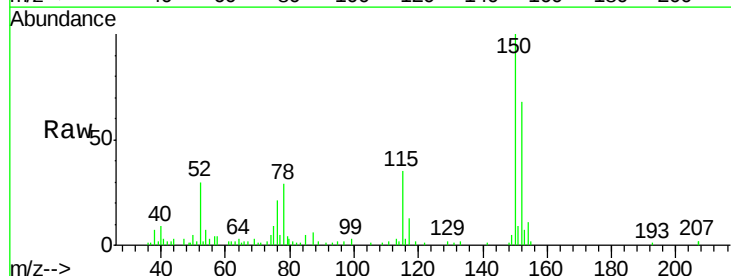
Instrument :
MSVOA_W
ClientSampled :

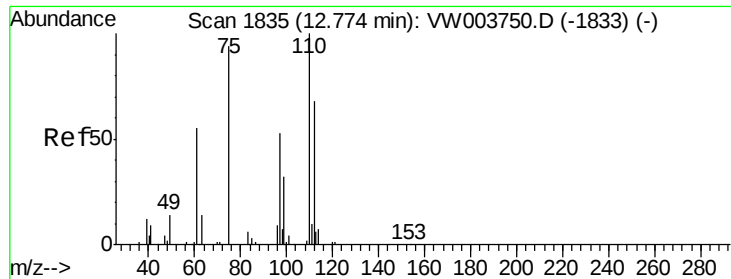
Tot Ion:117 Resp: 19735
Ion Ratio Lower Upper
117 100
82 57.3 46.9 70.3
119 36.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VW003889.D
Acq: 12 Jul 2018 02:35

Tgt Ion:152 Resp: 8251
Ion Ratio Lower Upper
152 100
115 64.7 28.9 86.8
150 156.2 0.0 342.4

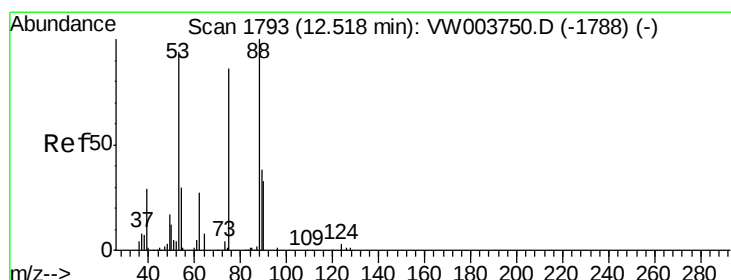
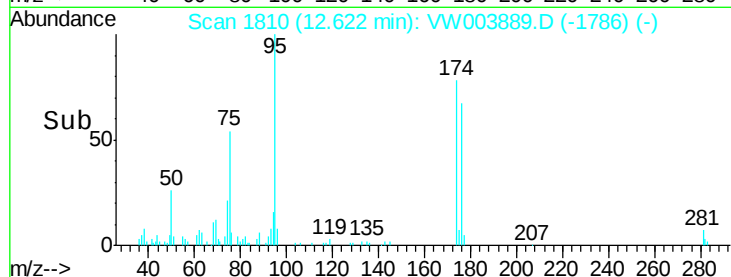
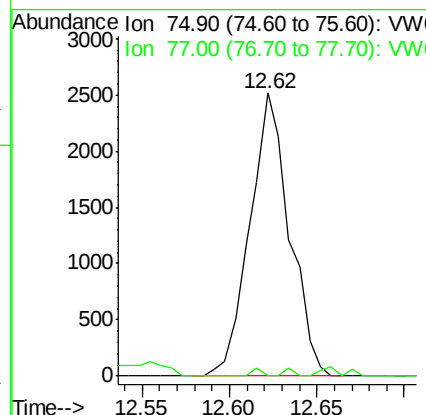
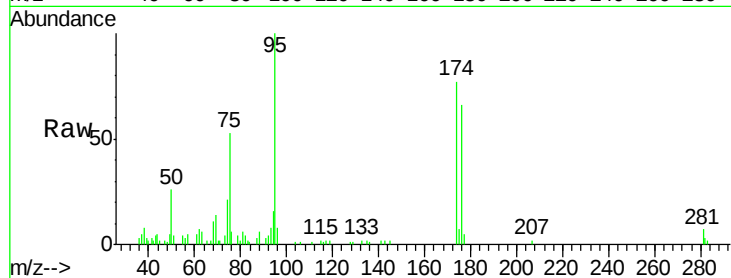




#76
 1,2,3-Trichloropropane
 Concen: 48.850 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003889.D
 Acq: 12 Jul 2018 02:35

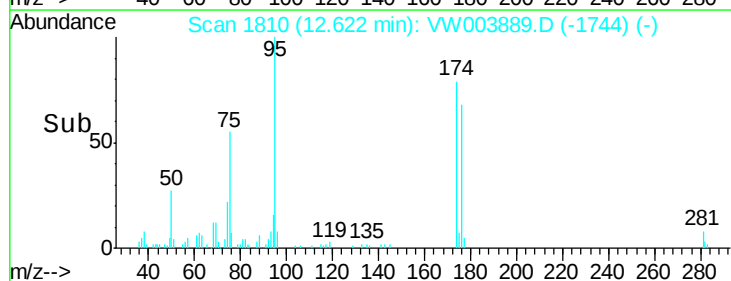
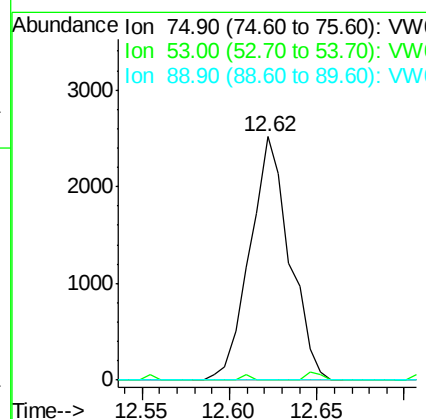
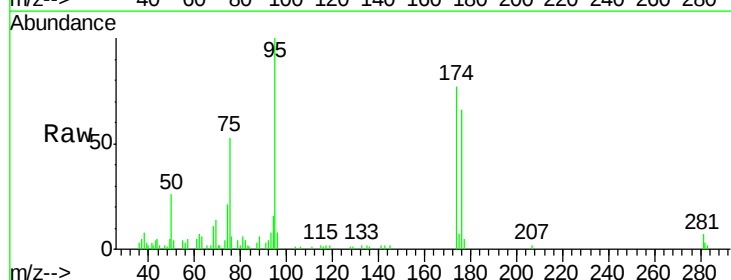
Instrument :
 MSVOA_W
 ClientSampled :

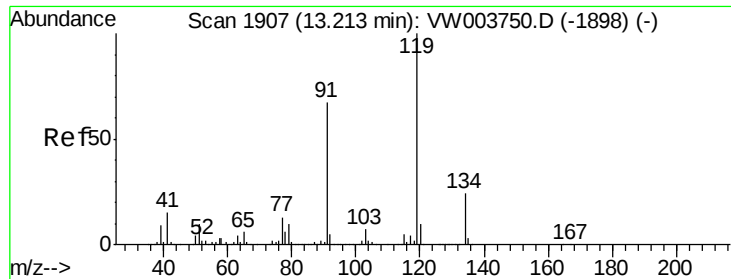
Tot Ion: 75 Resp: 3958
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.499 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003889.D
 Acq: 12 Jul 2018 02:35

Tgt Ion: 75 Resp: 3958
 Ion Ratio Lower Upper
 75 100
 53 0.6 85.0 127.6#
 89 0.0 36.3 54.5#





#83
 tert-Butylbenzene
 Concen: 1.276 ug/l
 RT: 13.23 min Scan# 1910
 Delta R.T. 0.02 min
 Lab File: VW003889.D
 Acq: 12 Jul 2018 02:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:119 Resp: 507
 Ion Ratio Lower Upper
 119 100
 91 90.7 33.0 98.9
 134 0.0 12.8 38.4

