

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003939.D
 Acq On : 14 Jul 2018 01:47
 Operator : VA/AP
 Sample : J3966-01
 Misc : 5.94G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 02:08:06 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	53564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	88612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	81577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	39535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	39017	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
35) Dibromofluoromethane	7.89	113	31513	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.33	98	103579	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
62) 4-Bromofluorobenzene	12.62	95	32398	37.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.48%	

Target Compounds

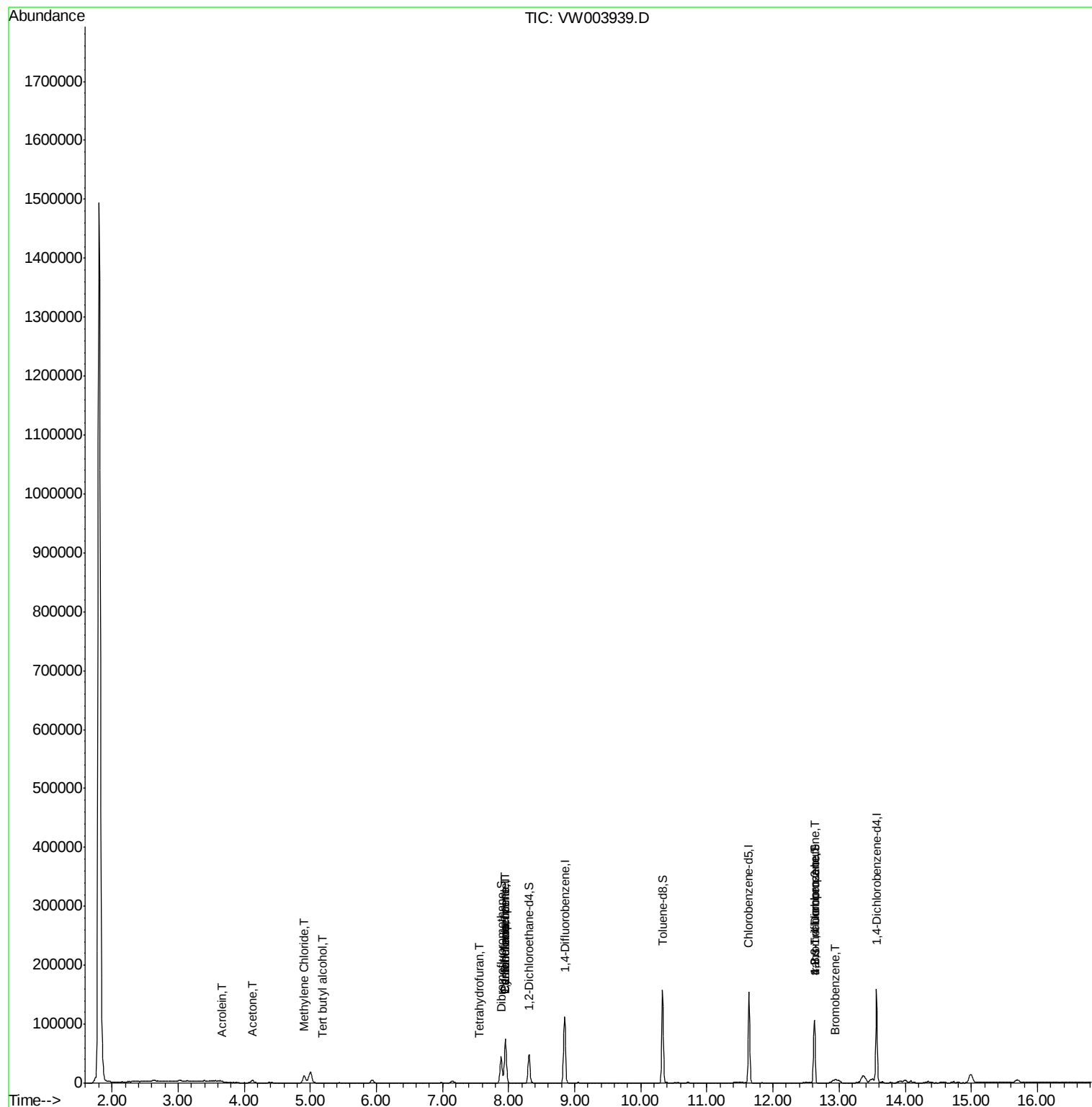
						Qvalue
11) Tert butyl alcohol	5.19	59	94	2.476	ug/l #	70
13) Acrolein	3.67	56	44	5.426	ug/l #	14
16) Acetone	4.13	43	7782	64.034	ug/l	99
20) Methylene Chloride	4.91	84	8084	10.155	ug/l	88
29) Tetrahydrofuran	7.55	42	155	1.267	ug/l #	36
31) Cyclohexane	7.95	56	1495	1.463	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	4655	4.951	ug/l #	49
38) Carbon Tetrachloride	7.95	117	5524	6.179	ug/l #	12
76) 1,2,3-Trichloropropane	12.62	75	18027	46.434	ug/l #	100
77) Bromobenzene	12.95	156	8681	13.060	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	18027	113.589	ug/l #	7

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

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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: VW003939.D

Acq: 14 Jul 2018 01:47

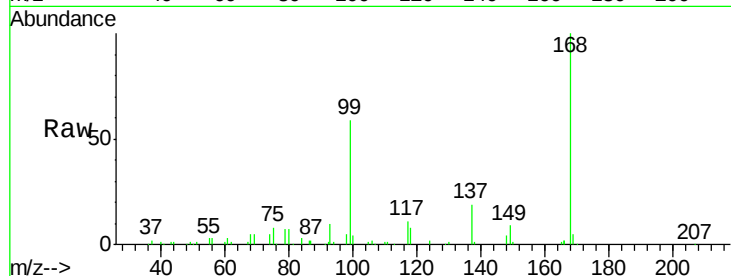
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 53564

Ion Ratio Lower Upper

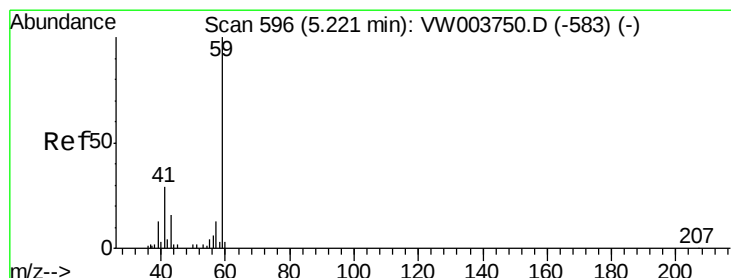
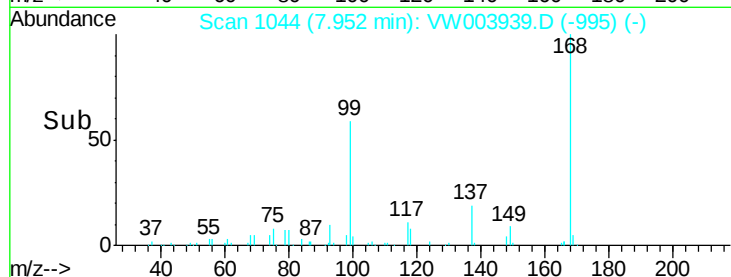
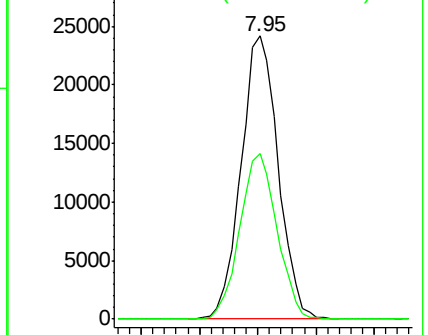
168 100

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: 2.476 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.03 min

Lab File: VW003939.D

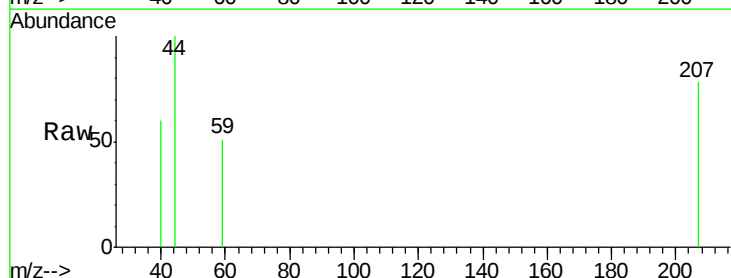
Acq: 14 Jul 2018 01:47

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

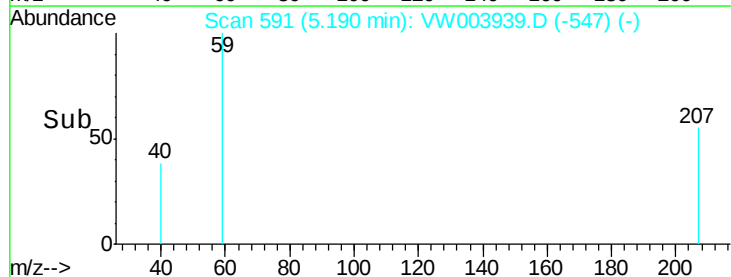
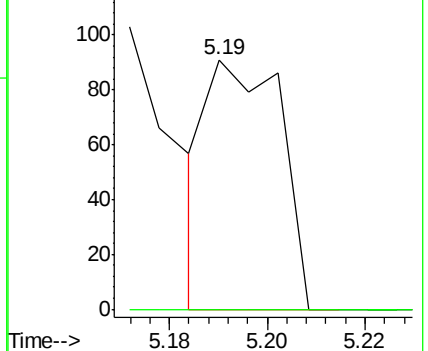
59 100

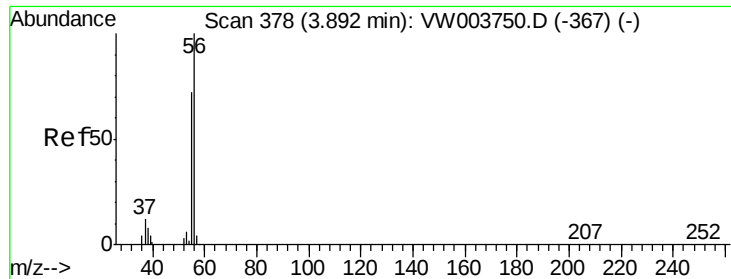
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.426 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.23 min

Lab File: VW003939.D

Acq: 14 Jul 2018 01:47

Instrument :

MSVOA_W

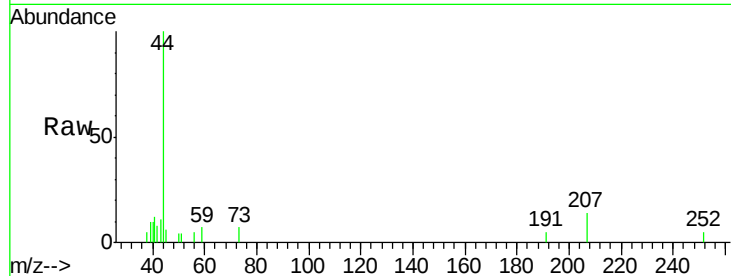
ClientSampleId :

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

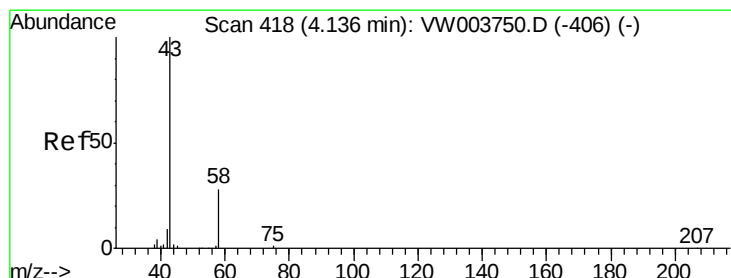
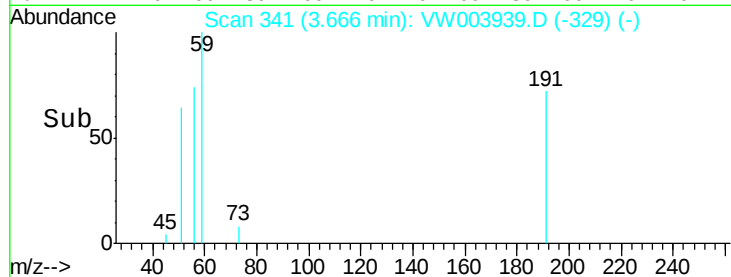
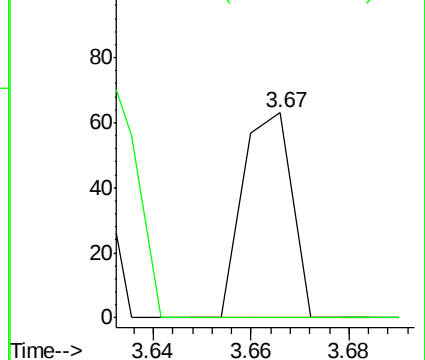
56 100

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: 64.034 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003939.D

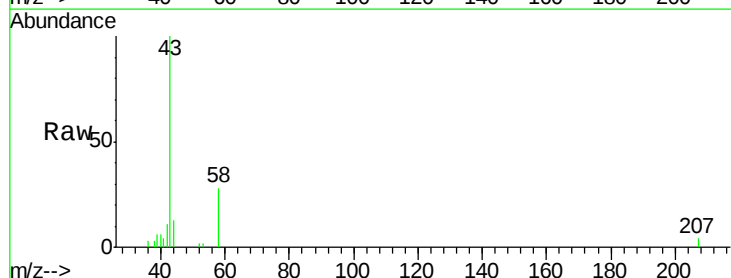
Acq: 14 Jul 2018 01:47

Tgt Ion: 43 Resp: 7782

Ion Ratio Lower Upper

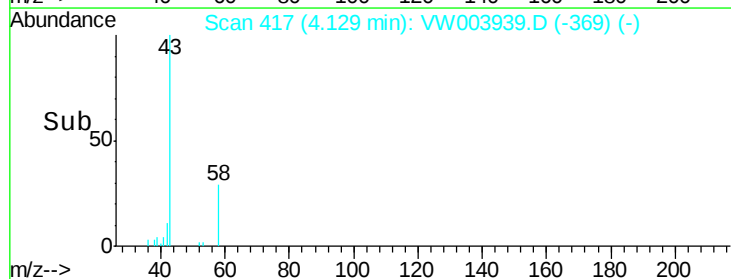
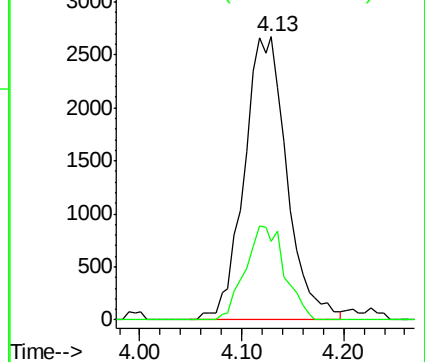
43 100

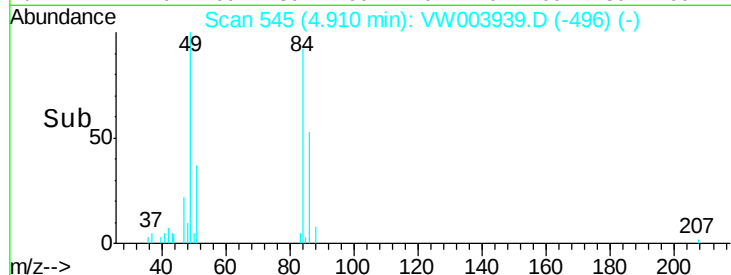
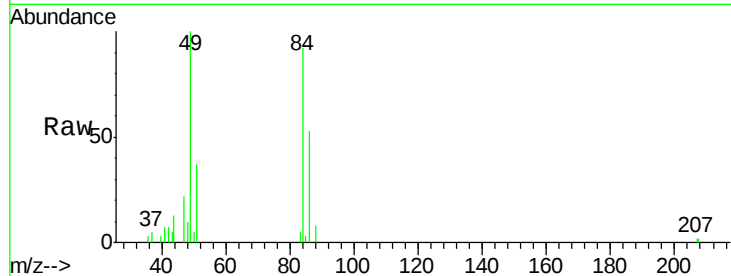
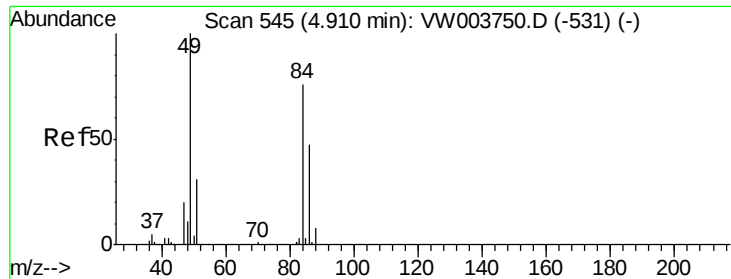
58 27.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

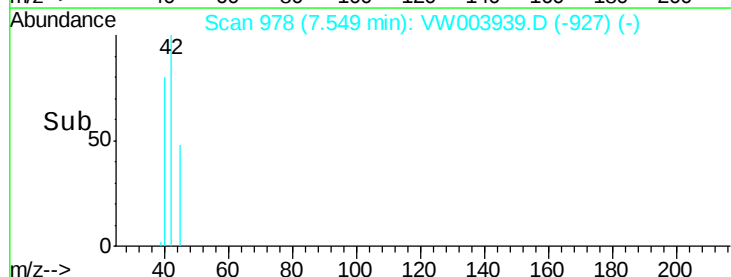
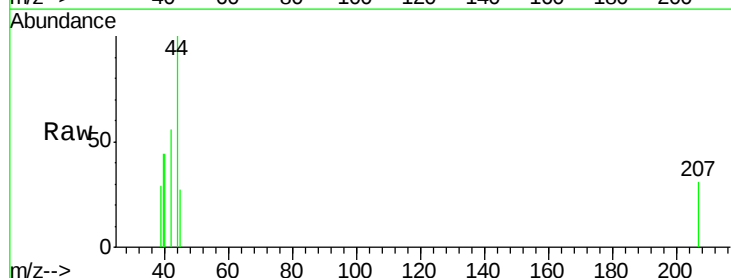
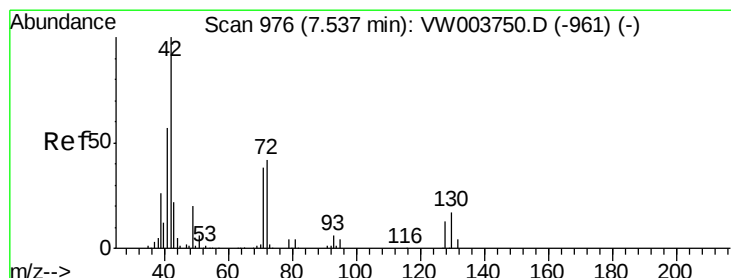
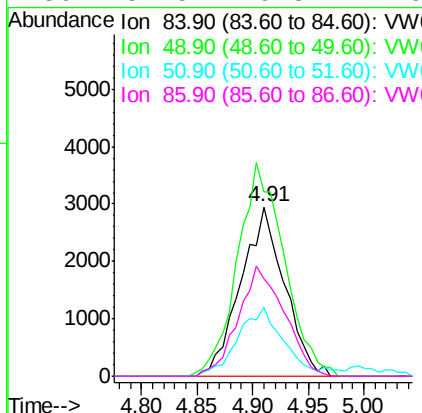




#20
Methvlene Chloride
Concen: 10.155 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003939.D
Acq: 14 Jul 2018 01:47

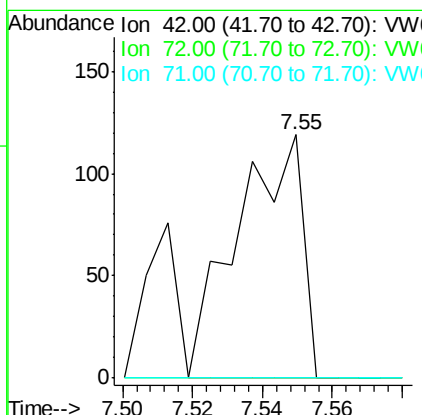
Instrument :
MSVOA_W
ClientSampled :

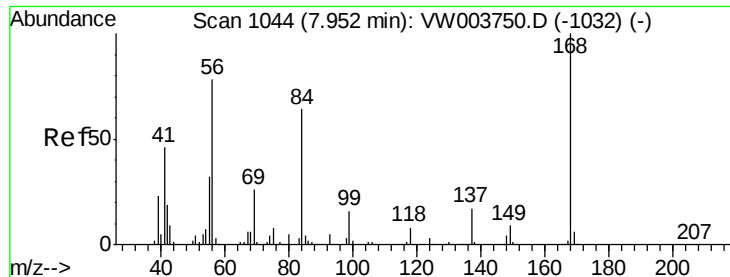
Tot Ion: 84 Resp: 8084
Ion Ratio Lower Upper
84 100
49 109.1 105.1 157.7
51 40.8 32.5 48.7
86 57.5 49.8 74.6



#29
Tetrahydrofuran
Concen: 1.267 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003939.D
Acq: 14 Jul 2018 01:47

Tgt Ion: 42 Resp: 155
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 0.0 30.3 45.5#

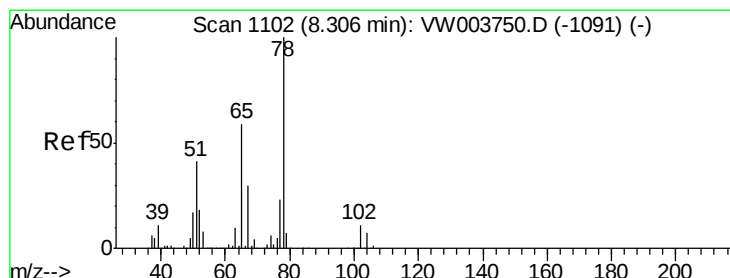
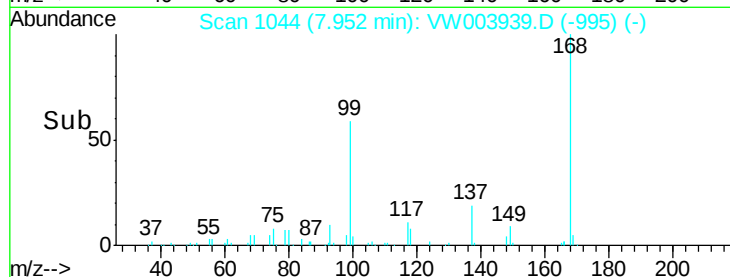
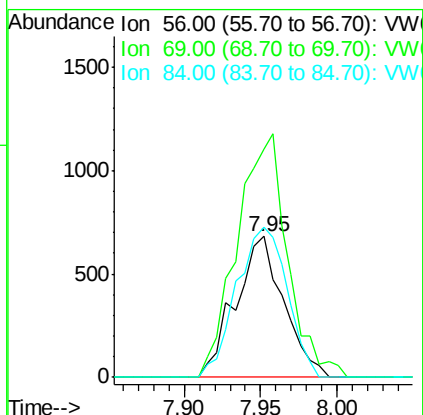
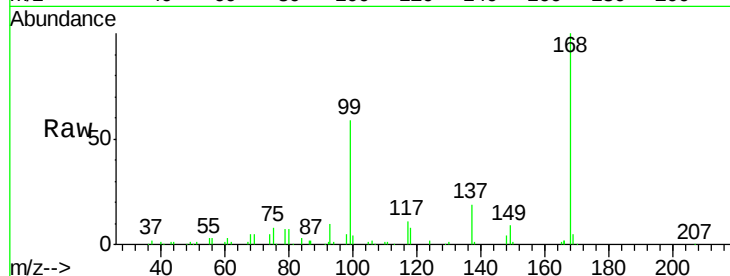




#31
Cyclohexane
Concen: 1.463 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003939.D
Acq: 14 Jul 2018 01:47

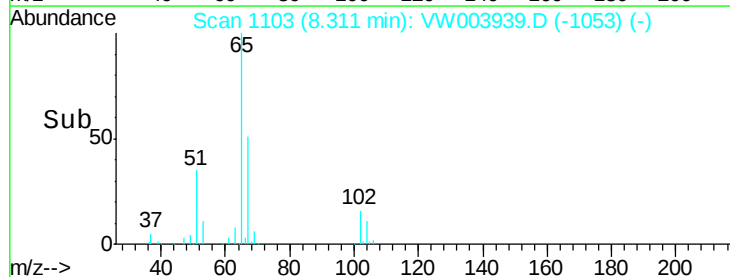
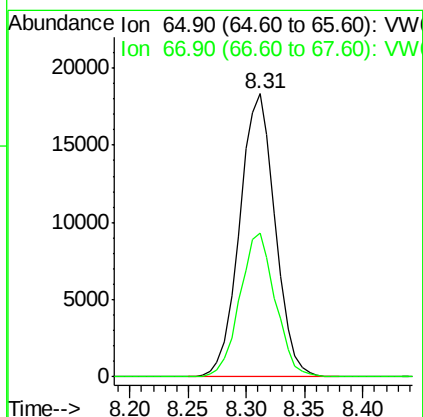
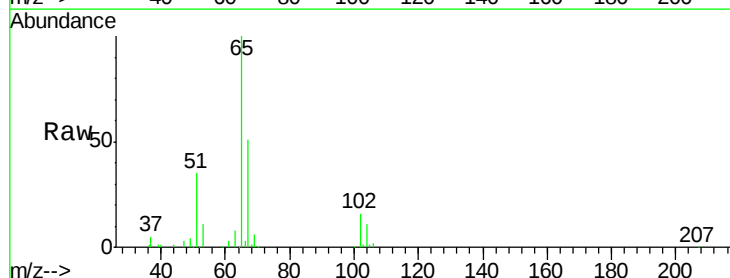
Instrument :
MSVOA_W
ClientSampleId :

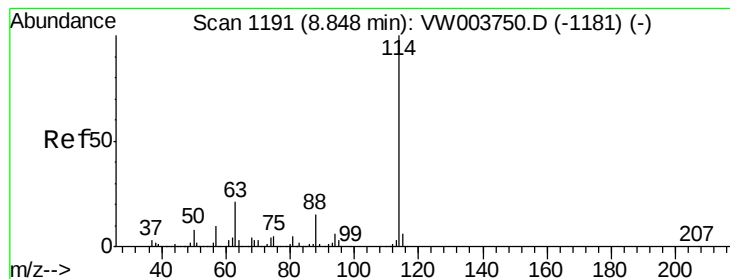
Tot Ion: 56 Resp: 1495
Ion Ratio Lower Upper
56 100
69 161.7 26.2 39.4#
84 106.9 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 55.701 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003939.D
Acq: 14 Jul 2018 01:47

Tgt Ion: 65 Resp: 39017
Ion Ratio Lower Upper
65 100
67 50.8 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: VW003939.D

Acq: 14 Jul 2018 01:47

Instrument :

MSVOA_W

ClientSampleId :

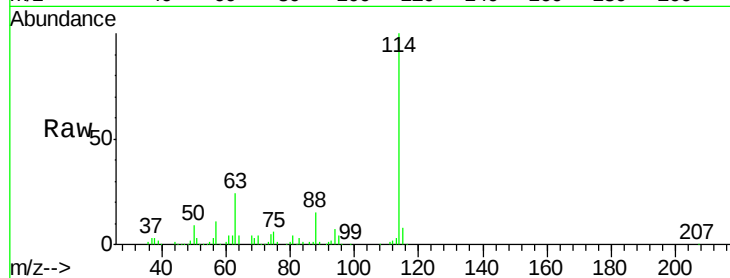
Tot Ion:114 Resp: 88612

Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.8

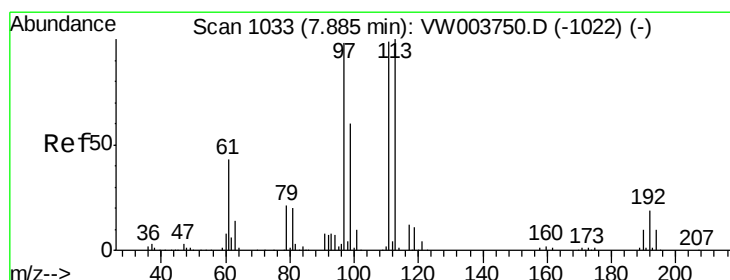
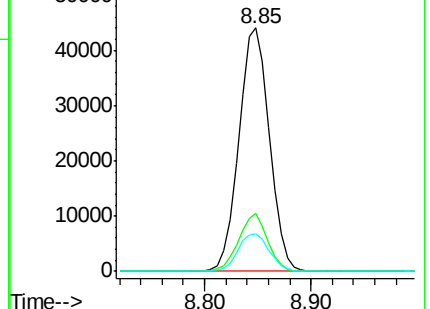
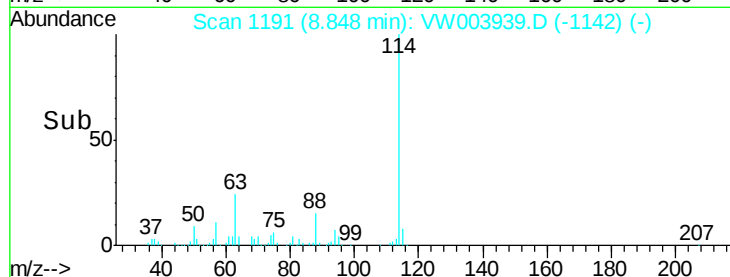
88 15.4 0.0 30.2



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: 50.813 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003939.D

Acq: 14 Jul 2018 01:47

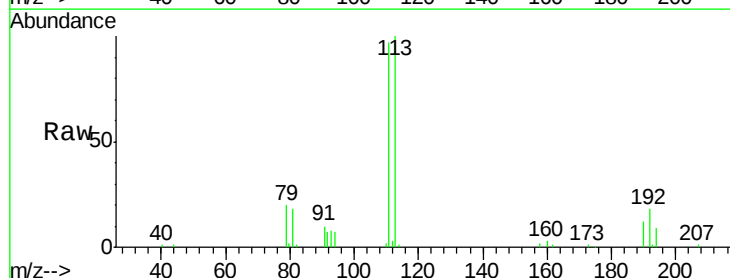
Tgt Ion:113 Resp: 31513

Ion Ratio Lower Upper

113 100

111 101.9 81.7 122.5

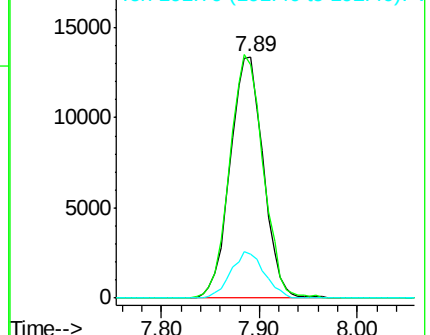
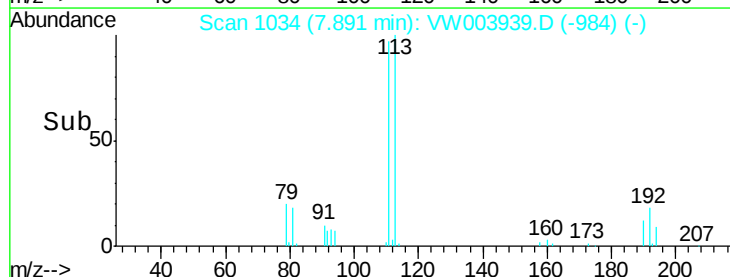
192 19.3 15.8 23.8

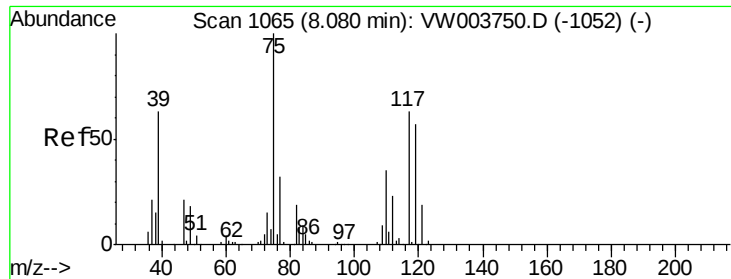


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

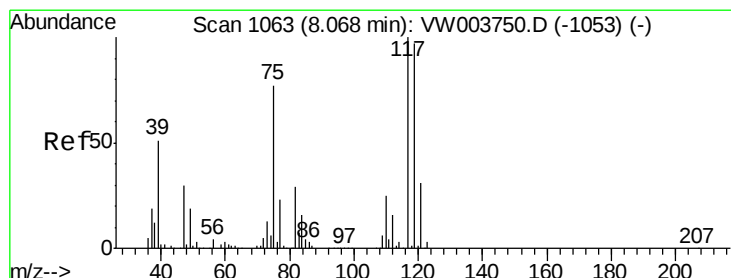
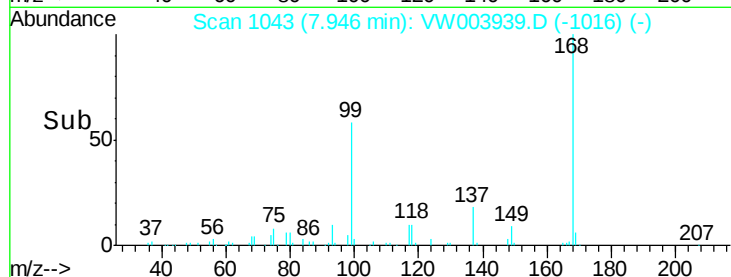
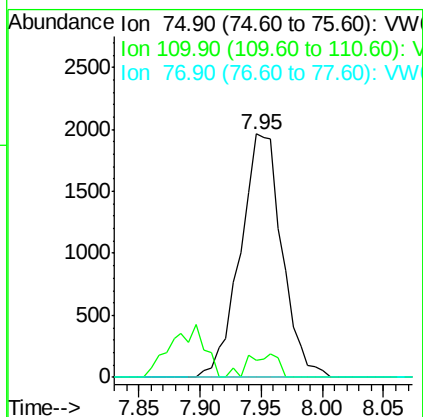
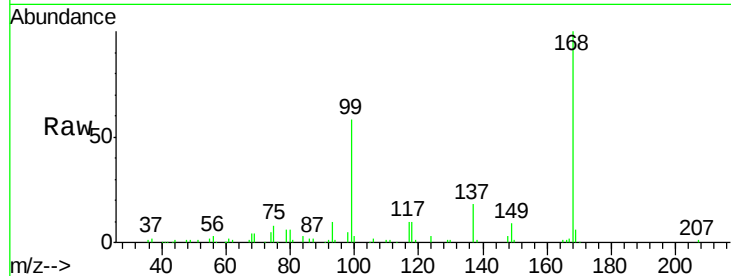




#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003939.D
 Acq: 14 Jul 2018 01:47

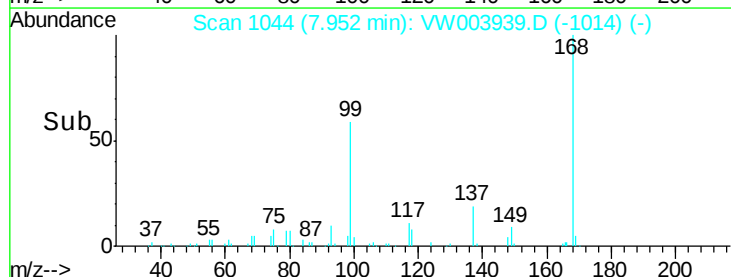
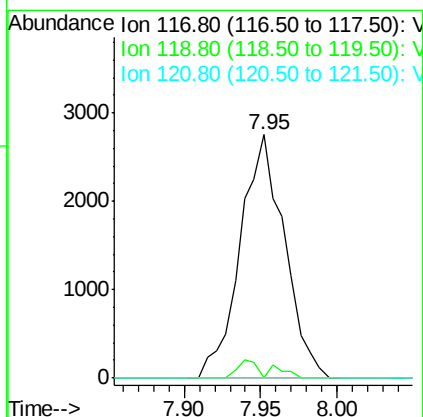
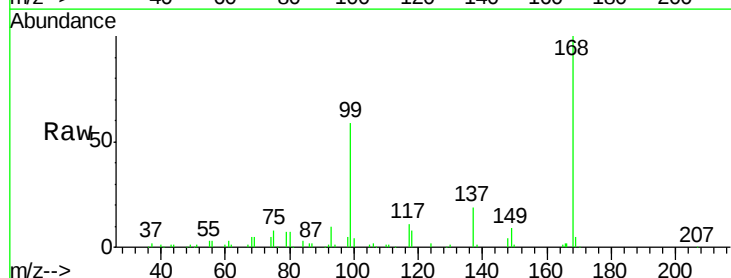
Instrument :
 MSVOA_W
 ClientSampled :

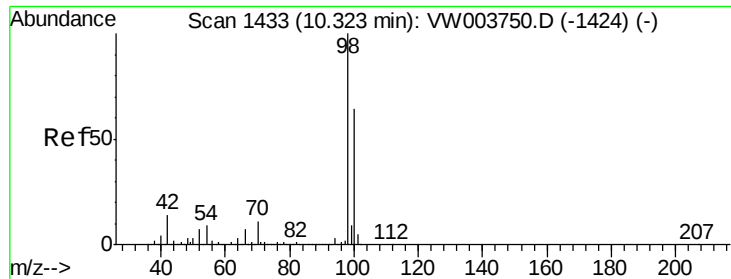
Tot Ion: 75 Resp: 4655
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.179 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003939.D
 Acq: 14 Jul 2018 01:47

Tgt Ion: 117 Resp: 5524
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.4 116.2#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 43.661 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003939.D

Acq: 14 Jul 2018 01:47

Instrument :

MSVOA_W

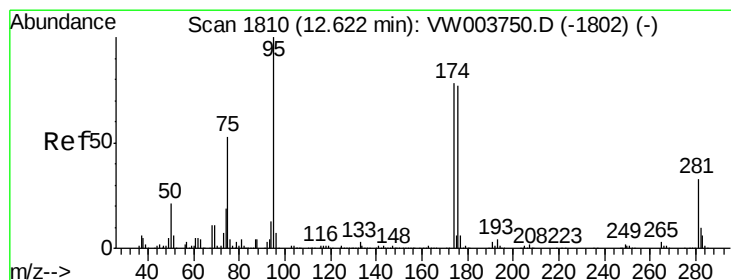
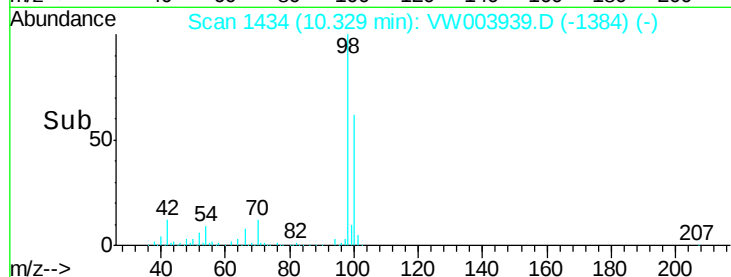
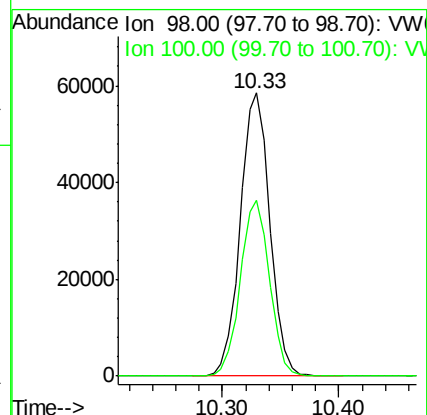
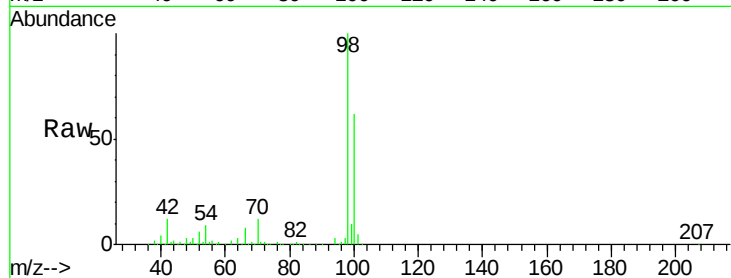
ClientSampleId :

Tot Ion: 98 Resp: 103579

Ion Ratio Lower Upper

98 100

100 61.2 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 37.744 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003939.D

Acq: 14 Jul 2018 01:47

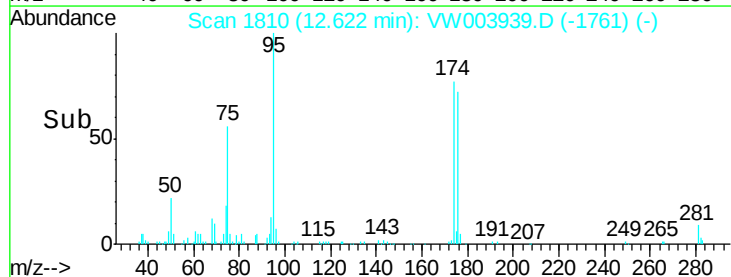
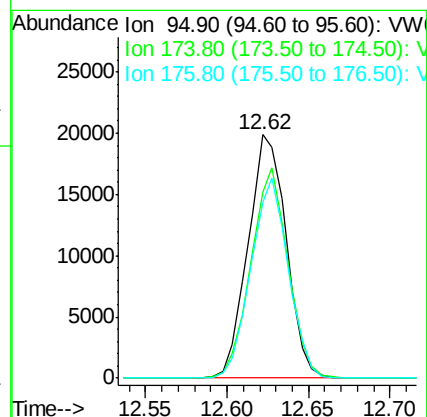
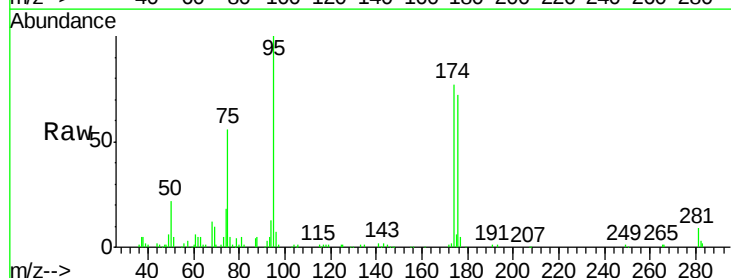
Tgt Ion: 95 Resp: 32398

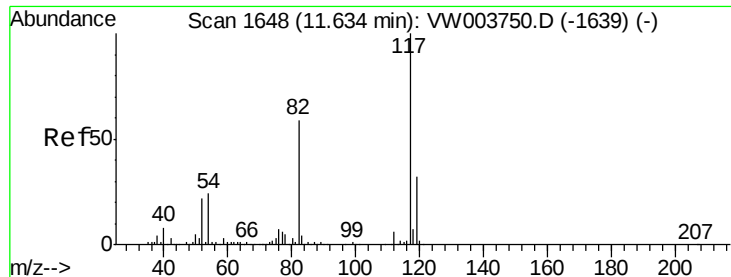
Ion Ratio Lower Upper

95 100

174 84.0 0.0 163.4

176 80.0 0.0 156.8

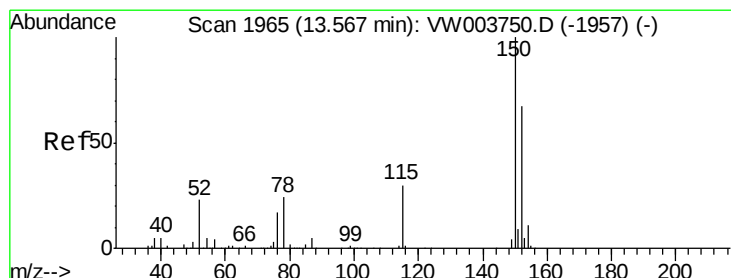
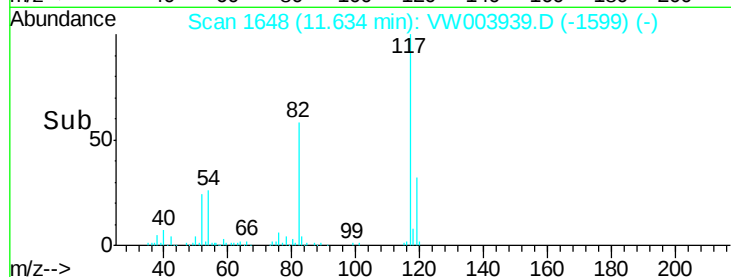
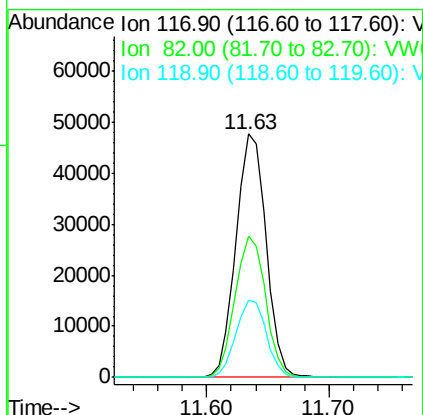
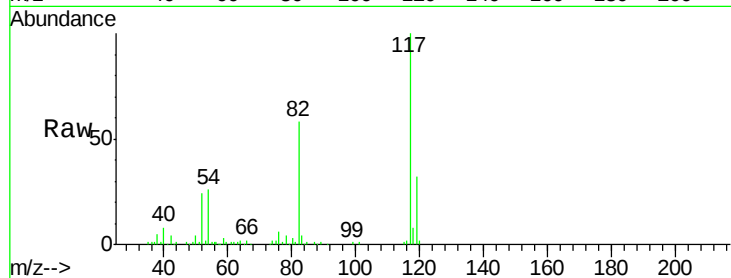




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003939.D
Acq: 14 Jul 2018 01:47

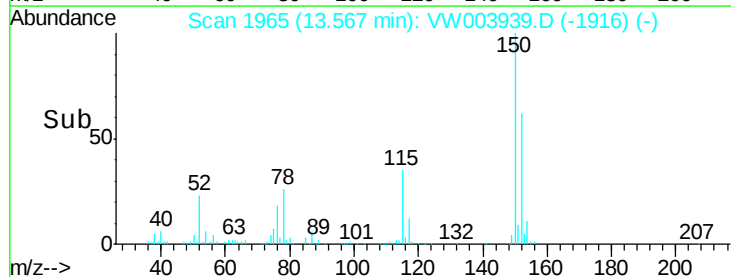
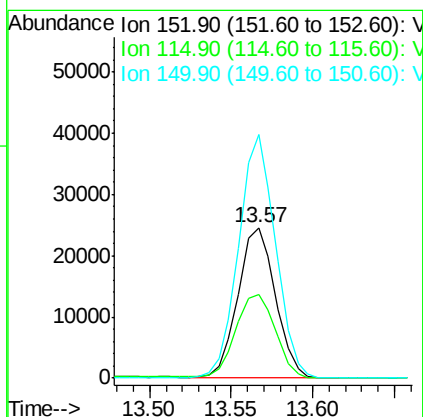
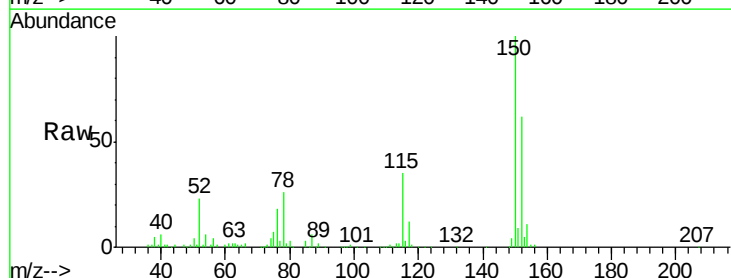
Instrument :
MSVOA_W
ClientSampleId :

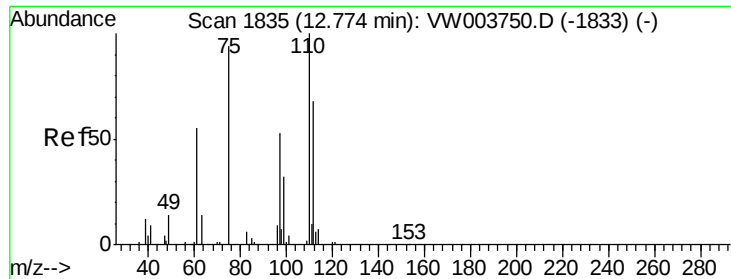
Tot Ion:117 Resp: 81577
Ion Ratio Lower Upper
117 100
82 57.9 46.9 70.3
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003939.D
Acq: 14 Jul 2018 01:47

Tgt Ion:152 Resp: 39535
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.8
150 158.5 0.0 342.4

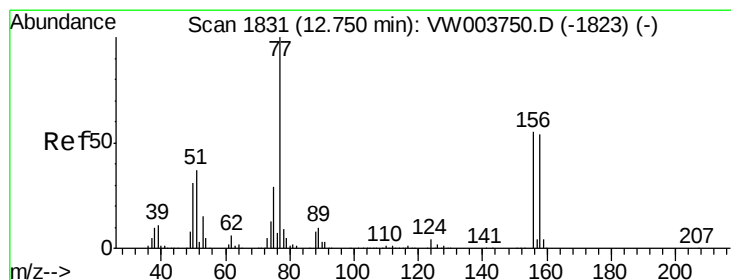
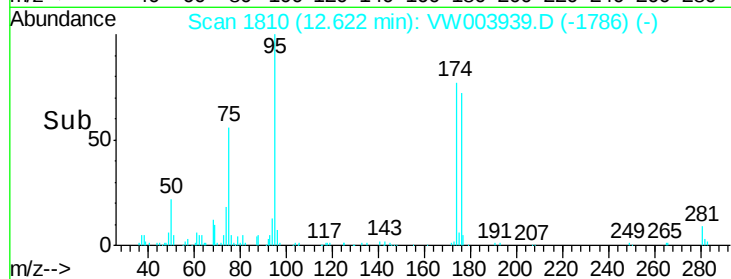
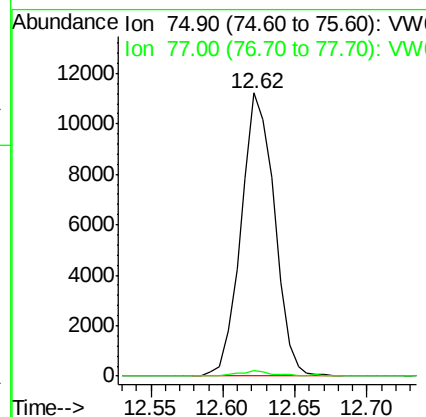
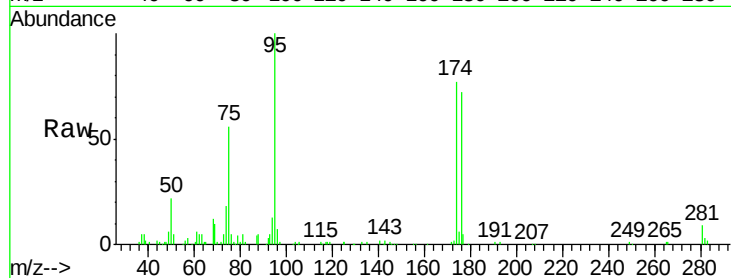




#76
 1,2,3-Trichloropropane
 Concen: 46.434 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003939.D
 Acq: 14 Jul 2018 01:47

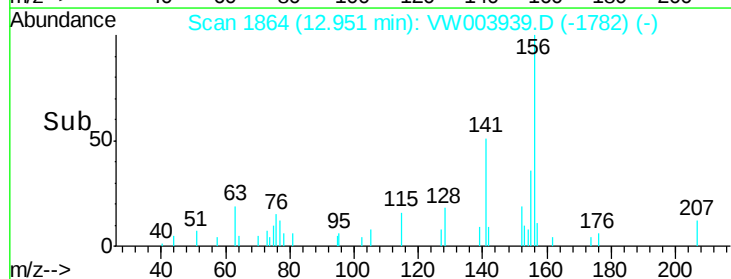
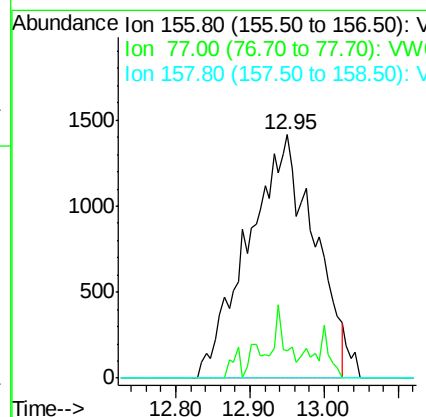
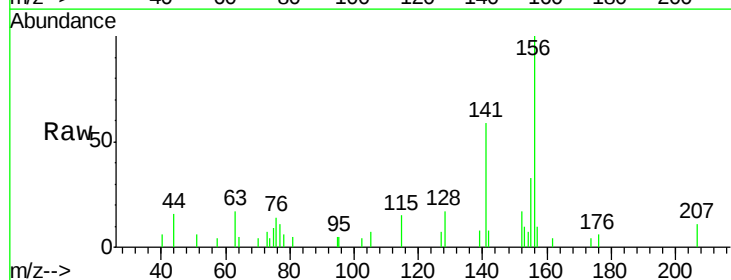
Instrument :
 MSVOA_W
 ClientSampled :

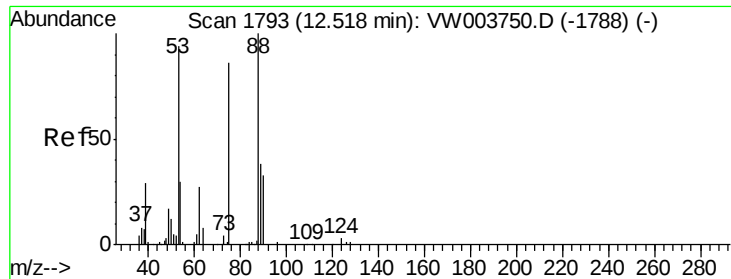
Tot Ion: 75 Resp: 18027
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#77
 Bromobenzene
 Concen: 13.060 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.20 min
 Lab File: VW003939.D
 Acq: 14 Jul 2018 01:47

Tgt Ion: 156 Resp: 8681
 Ion Ratio Lower Upper
 156 100
 77 5.1 98.7 296.0#
 158 0.0 49.0 147.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 113.589 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003939.D

Acq: 14 Jul 2018 01:47

Instrument :

MSVOA_W

ClientSampleId :

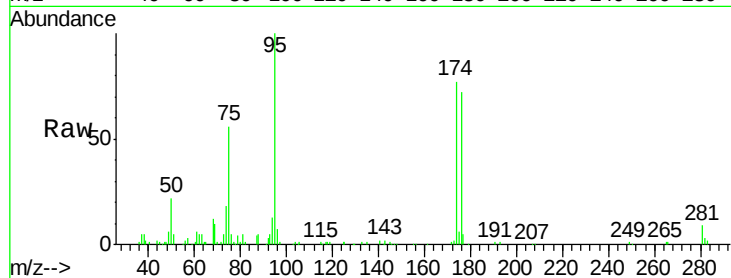
Tot Ion: 75 Resp: 18027

Ion Ratio Lower Upper

75 100

53 0.1 85.0 127.6#

89 0.0 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

