

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005436.D
 Acq On : 17 Sep 2018 16:20
 Operator : SY/AP
 Sample : J4940-05
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-2

Quant Time: Sep 18 01:03:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

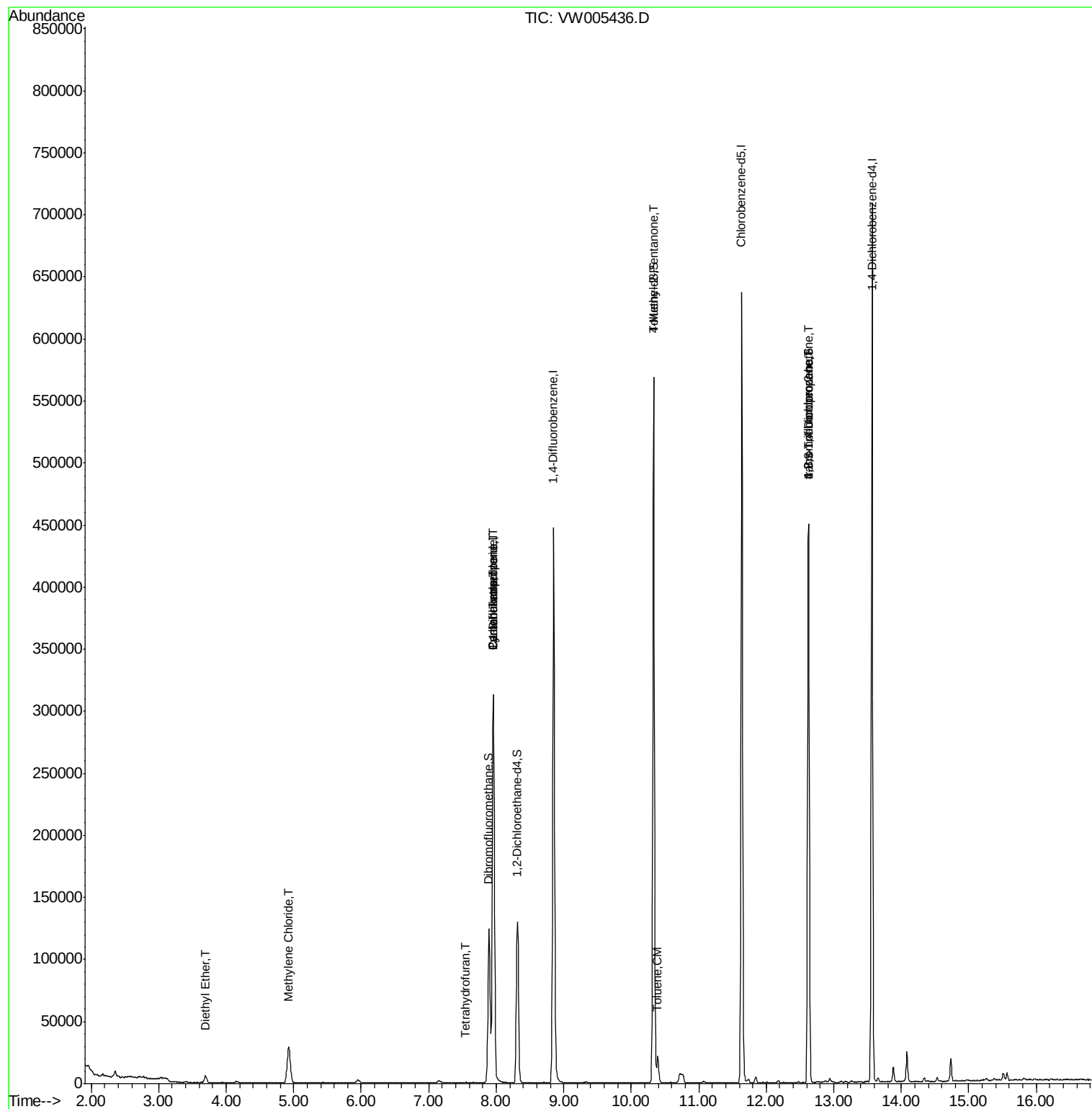
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	237815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	373613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	358761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	182287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	108852	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
35) Dibromofluoromethane	7.89	113	87623	41.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.66%	
50) Toluene-d8	10.33	98	379812	39.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.18%	
62) 4-Bromofluorobenzene	12.63	95	140954	40.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	144	Below Cal		100
5) Bromomethane	2.77	94	243	Below Cal		95
8) Diethyl Ether	3.69	74	1695	1.637 ug/l #		14
11) Tert butyl alcohol	5.21	59	44	Below Cal #		71
16) Acetone	4.15	43	2161	Below Cal		90
20) Methylene Chloride	4.93	84	22868	4.064 ug/l		94
29) Tetrahydrofuran	7.54	42	553	1.462 ug/l #		80
31) Cyclohexane	7.96	56	5167	1.311 ug/l #		22
36) 1,1-Dichloropropene	7.95	75	18183	5.143 ug/l #		50
38) Carbon Tetrachloride	7.96	117	23521	6.384 ug/l #		17
51) 4-Methyl-2-Pentanone	10.33	43	2007	1.389 ug/l #		1
52) Toluene	10.40	92	7628	1.100 ug/l		98
76) 1,2,3-Trichloropropane	12.63	75	73705	49.161 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.63	75	73705	127.526 ug/l #		8

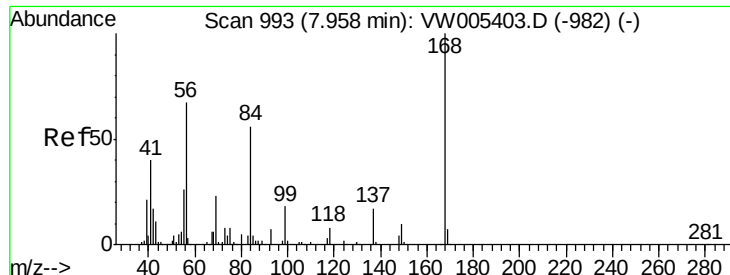
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

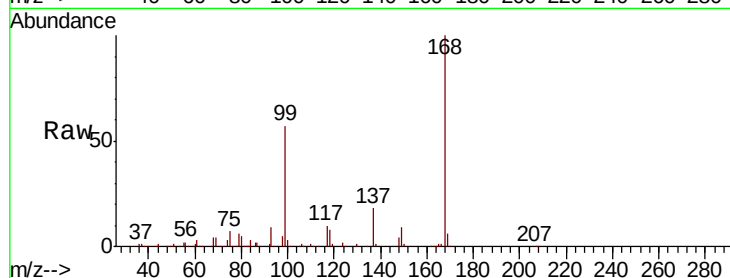
COMP-2

Tgt Ion:168 Resp: 237815

Ion Ratio Lower Upper

168 100

99 56.6 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

120000

100000

80000

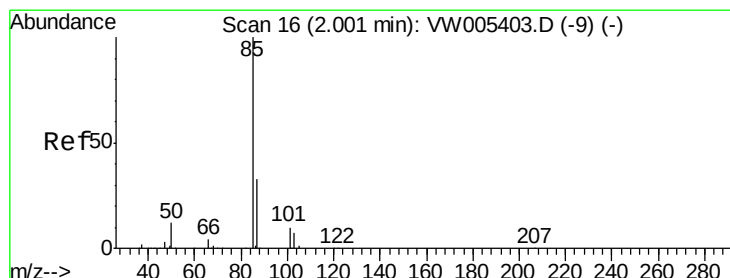
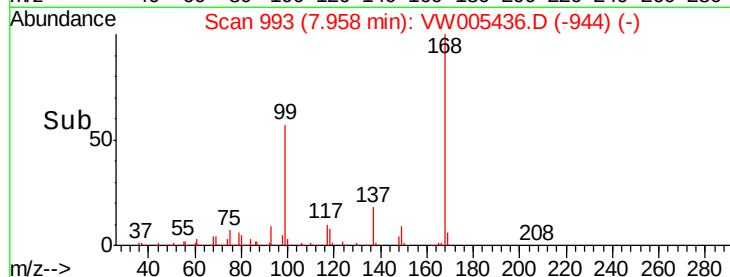
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005436.D

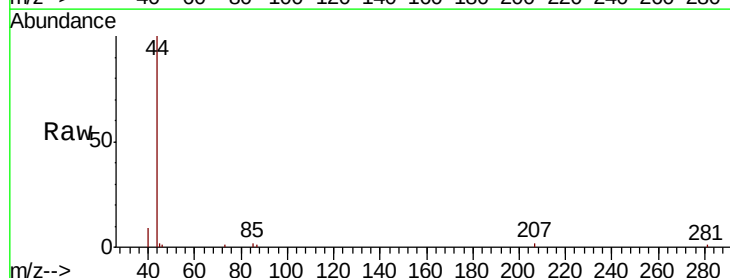
Acq: 17 Sep 2018 16:20

Tgt Ion: 85 Resp: 144

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200

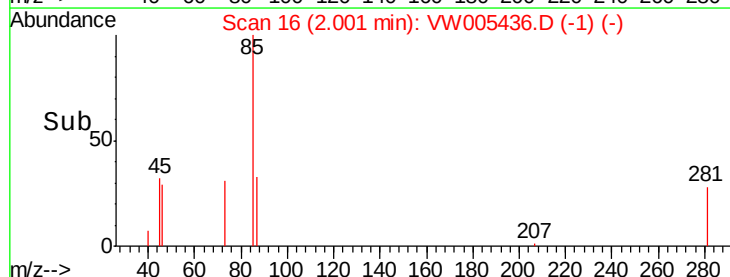
150

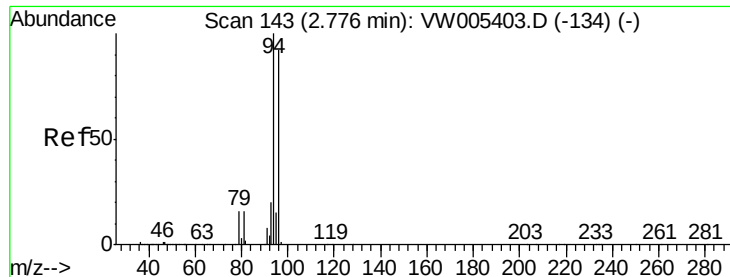
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

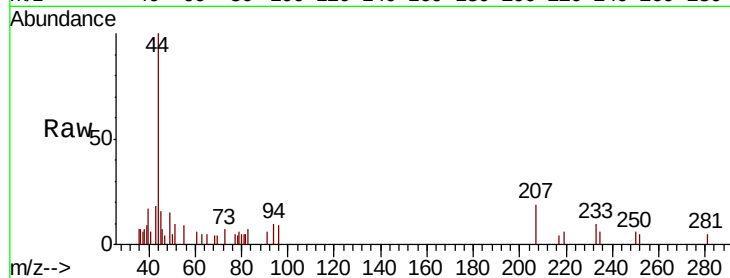
COMP-2

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

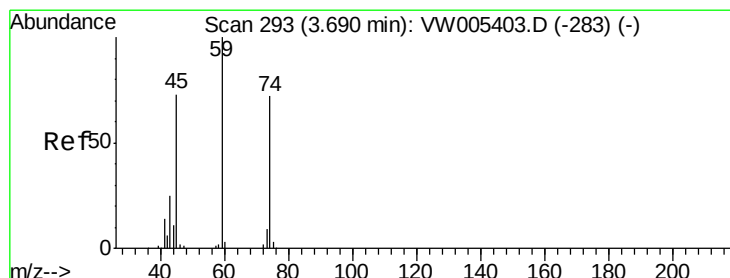
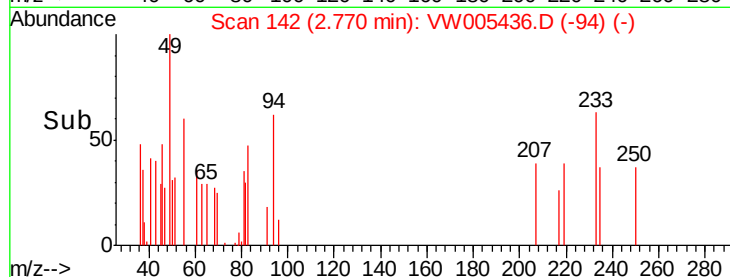
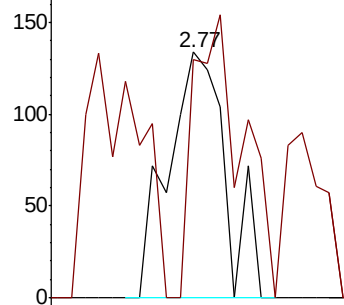
94 100

96 97.0 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.637 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW005436.D

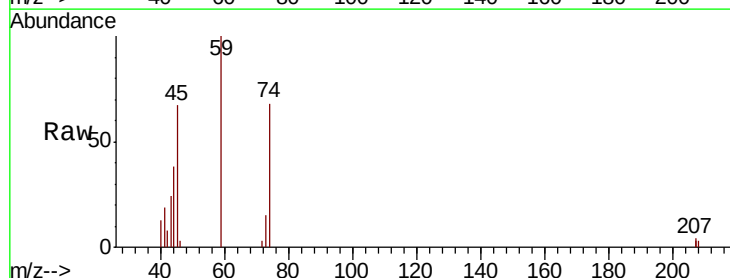
Acq: 17 Sep 2018 16:20

Tgt Ion: 74 Resp: 1695

Ion Ratio Lower Upper

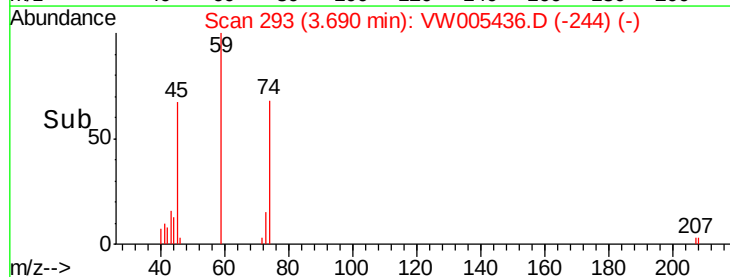
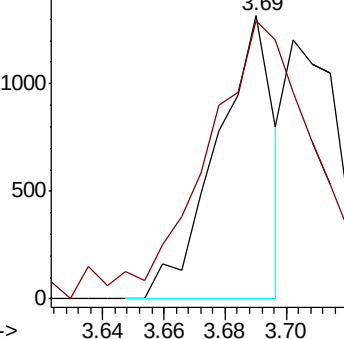
74 100

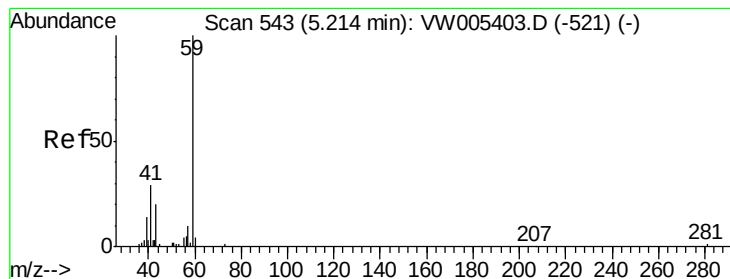
45 195.6 53.1 159.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



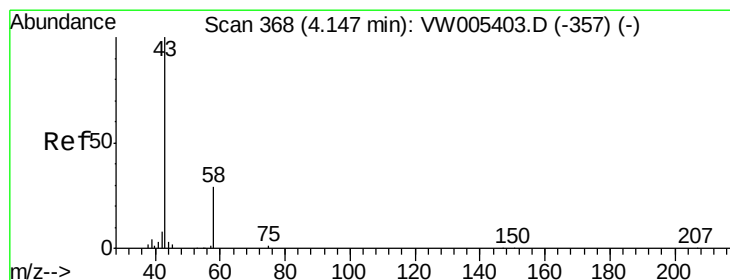
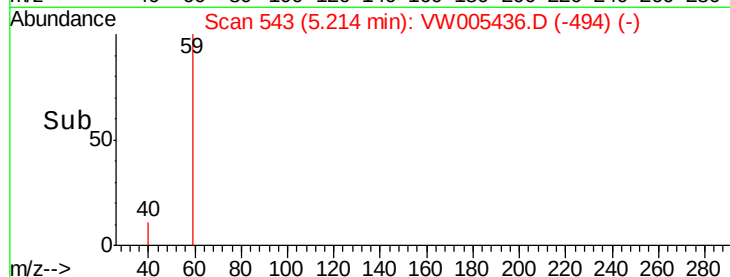
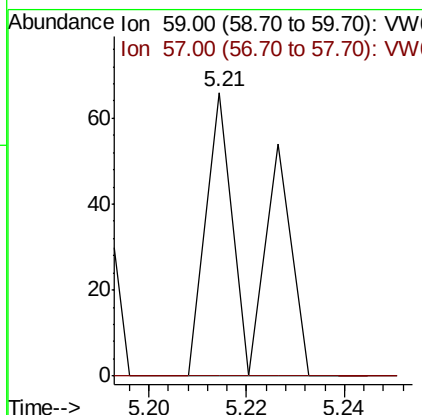
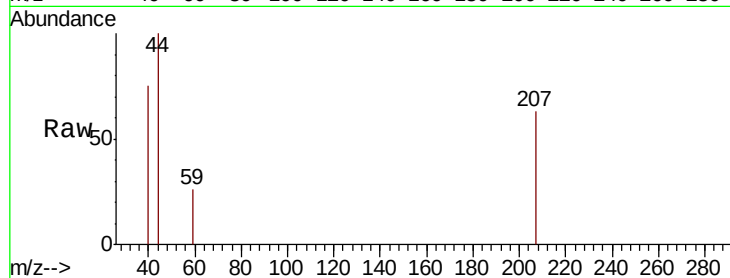


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: VW005436.D
 Acq: 17 Sep 2018 16:20

Instrument :
 MSVOA_W
 ClientSampled :
 COMP-2

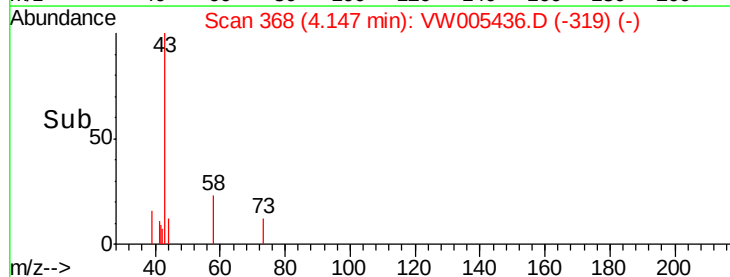
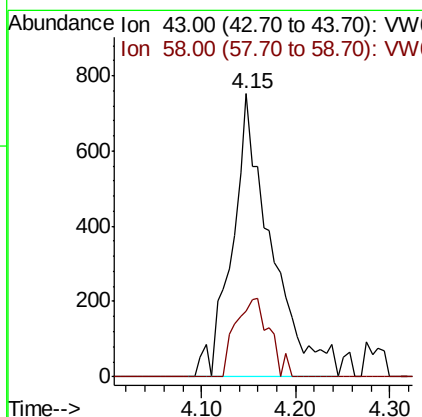
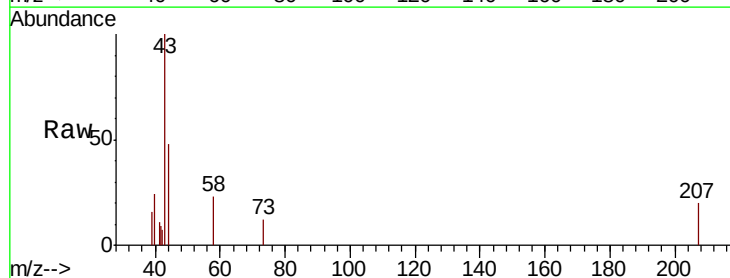
Tgt Ion: 59 Resp: 44
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

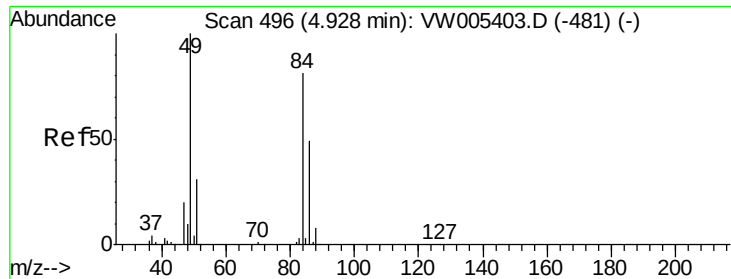


#16

Acetone
 Concen: Below Cal
 RT: 4.15 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VW005436.D
 Acq: 17 Sep 2018 16:20

Tgt Ion: 43 Resp: 2161
 Ion Ratio Lower Upper
 43 100
 58 23.4 22.8 34.2





#20

Methylene Chloride

Concen: 4.064 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

COMP-2

Tgt Ion: 84 Resp: 22868

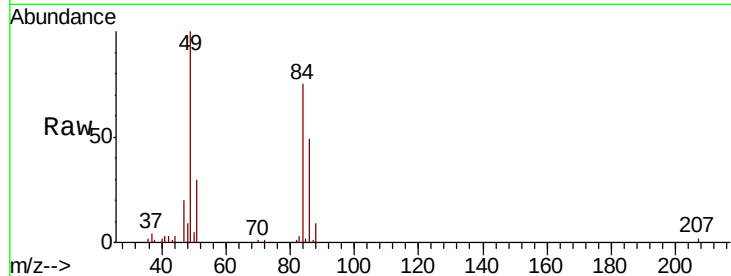
Ion Ratio Lower Upper

84 100

49 133.3 99.3 148.9

51 39.7 31.1 46.7

86 64.8 49.1 73.7

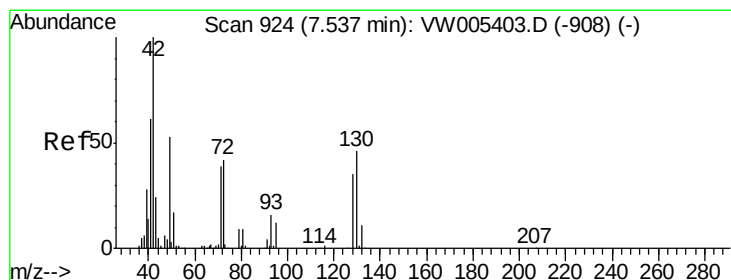
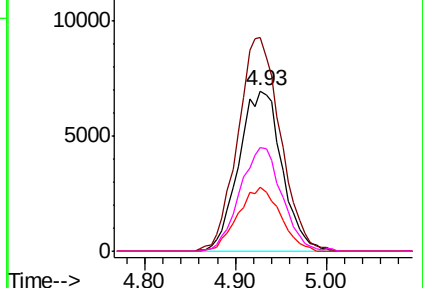
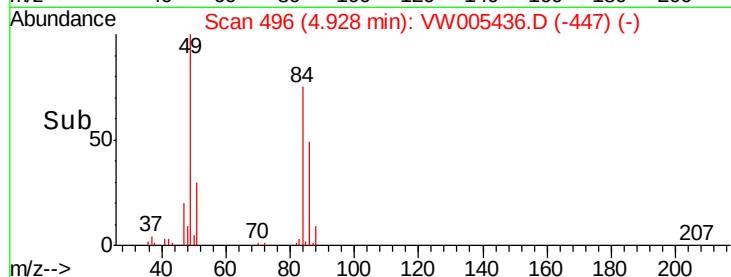


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.462 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

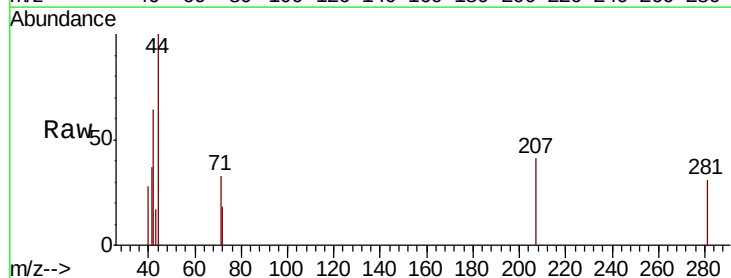
Tgt Ion: 42 Resp: 553

Ion Ratio Lower Upper

42 100

72 29.3 33.2 49.8#

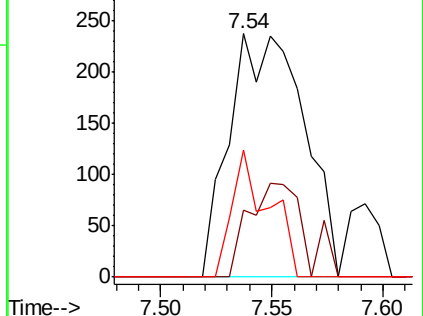
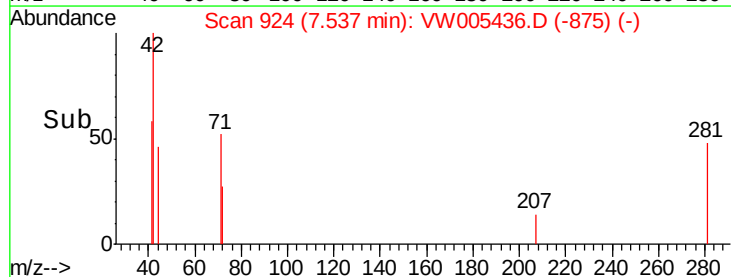
71 25.7 31.0 46.6#

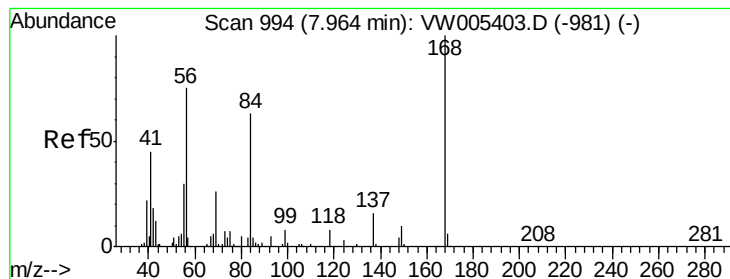


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.311 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

COMP-2

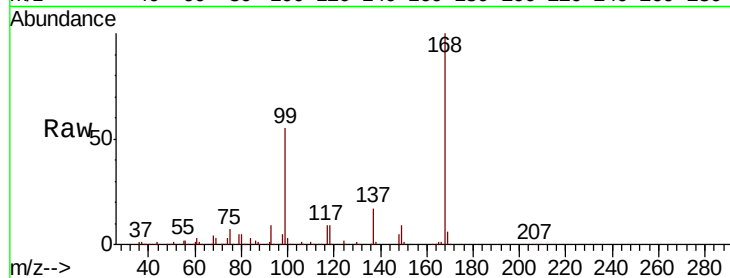
Tgt Ion: 56 Resp: 5167

Ion Ratio Lower Upper

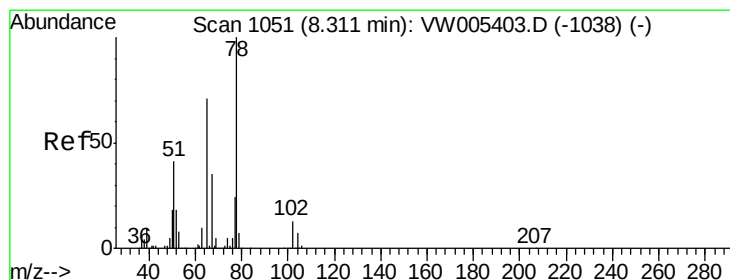
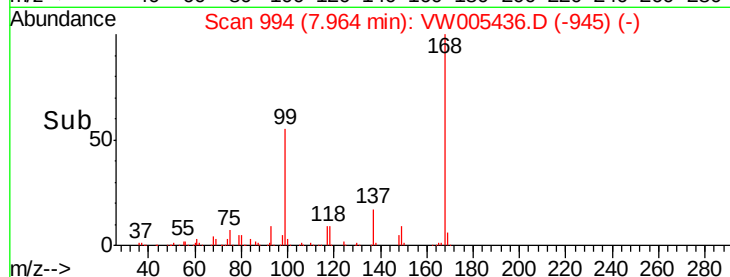
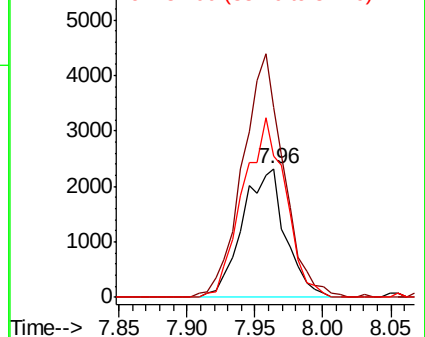
56 100

69 147.5 27.2 40.8#

84 109.2 66.7 100.1#



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: 44.096 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW005436.D

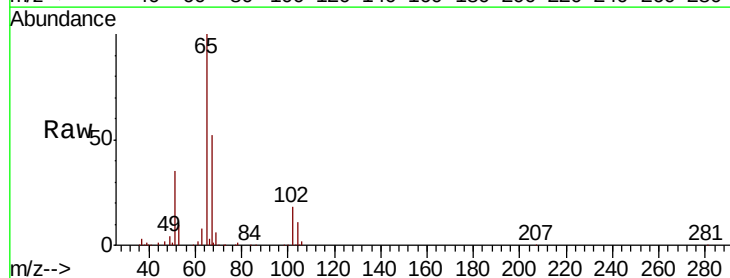
Acq: 17 Sep 2018 16:20

Tgt Ion: 65 Resp: 108852

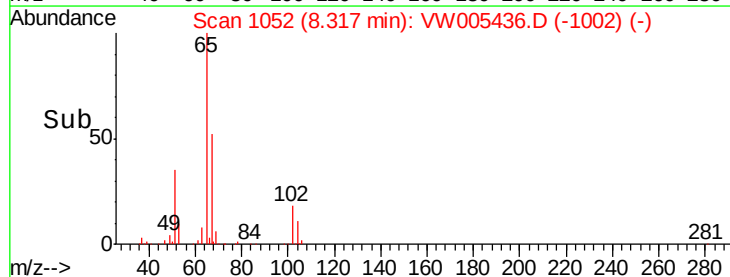
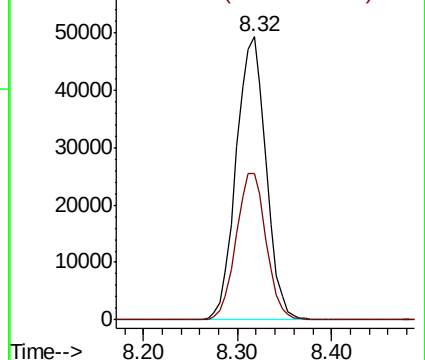
Ion Ratio Lower Upper

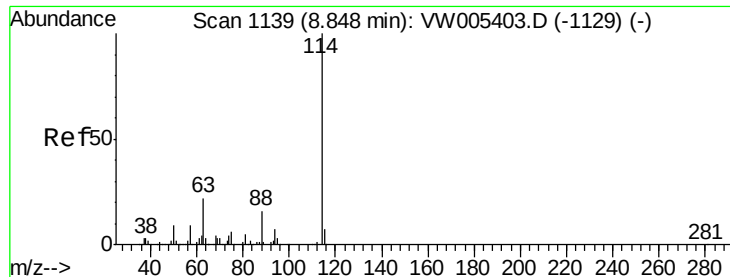
65 100

67 52.2 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

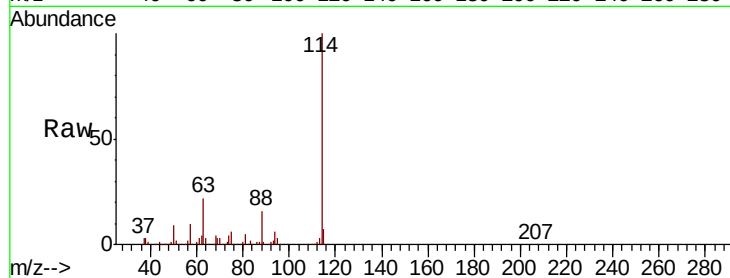




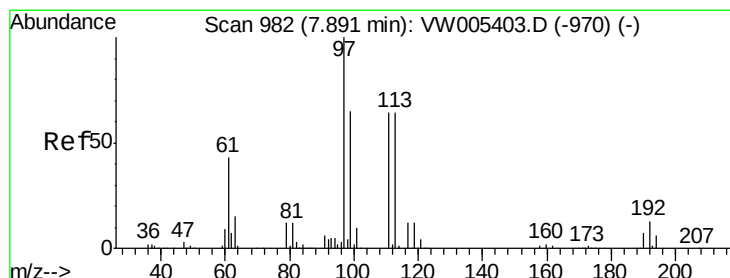
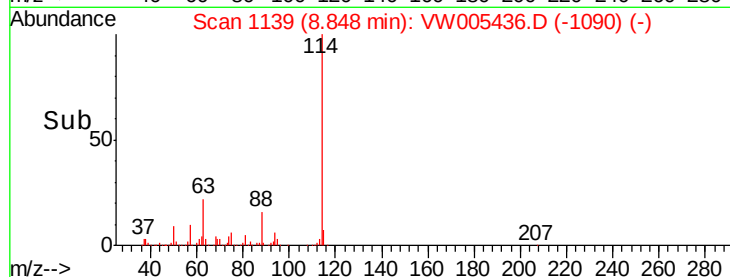
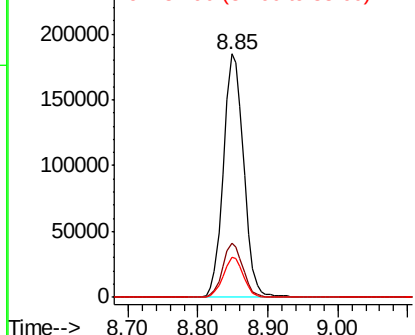
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005436.D
 Acq: 17 Sep 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-2

Tgt Ion:114 Resp: 373613
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 16.2 0.0 31.8

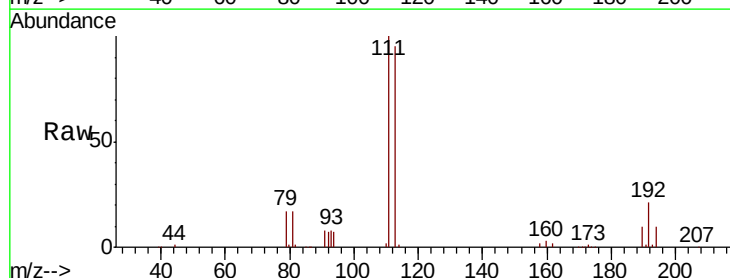


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

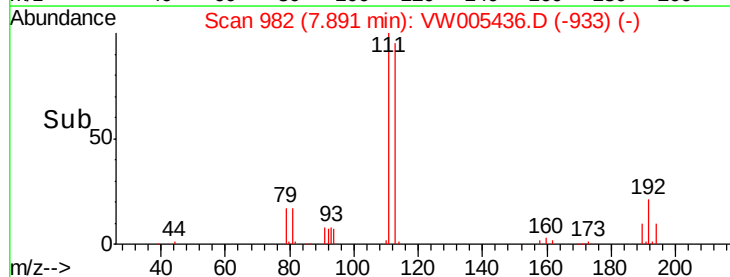
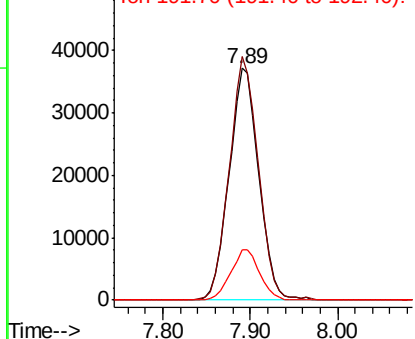


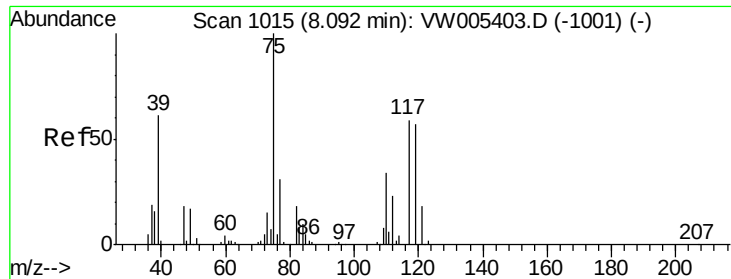
#35
 Dibromofluoromethane
 Concen: 41.829 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005436.D
 Acq: 17 Sep 2018 16:20

Tgt Ion:113 Resp: 87623
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.3 123.5
 192 21.4 16.5 24.7



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

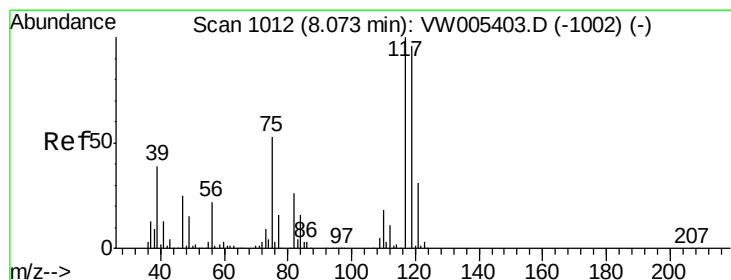
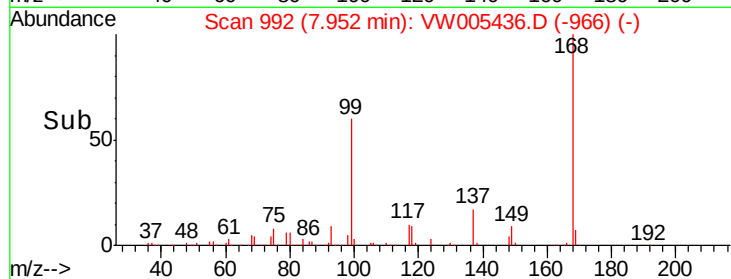
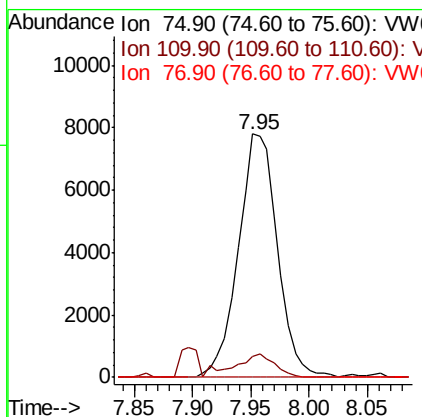
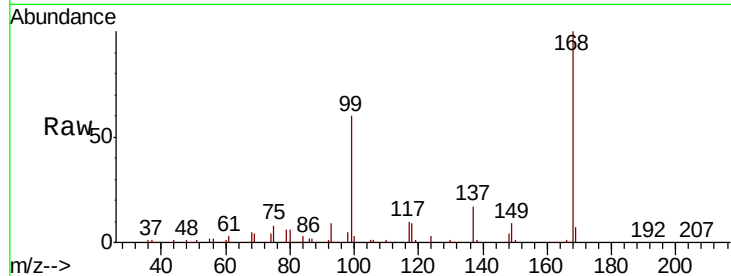




#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005436.D
 Acq: 17 Sep 2018 16:20

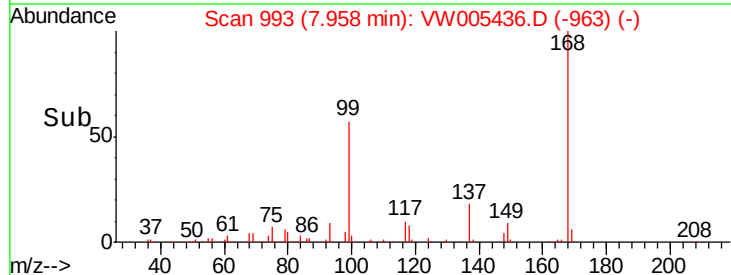
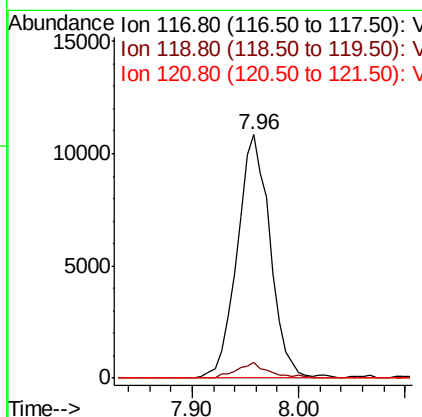
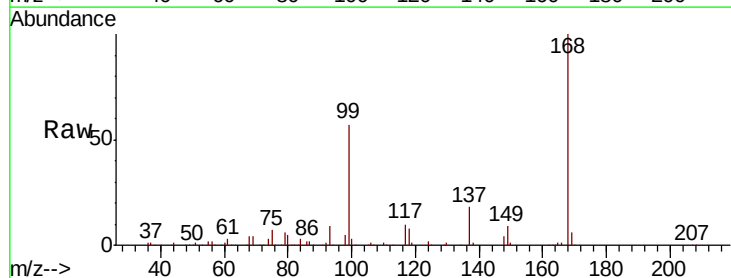
Instrument :
 MSVOA_W
 ClientSampled :
 COMP-2

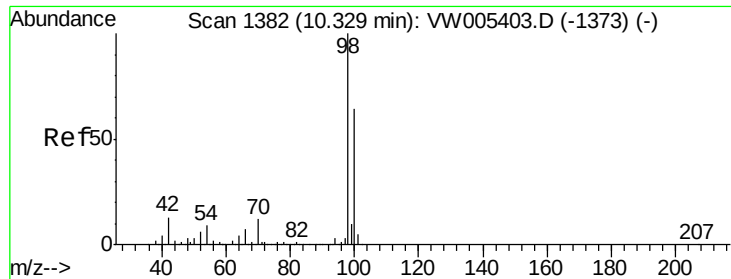
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.384 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005436.D
 Acq: 17 Sep 2018 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 39.592 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

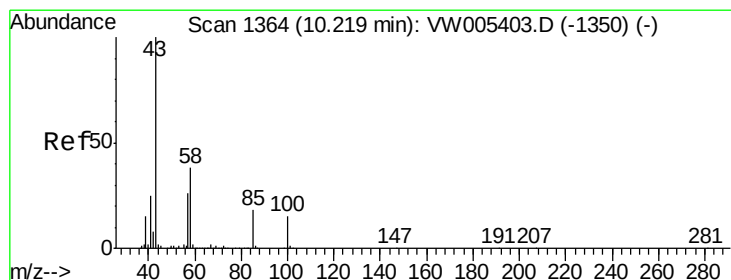
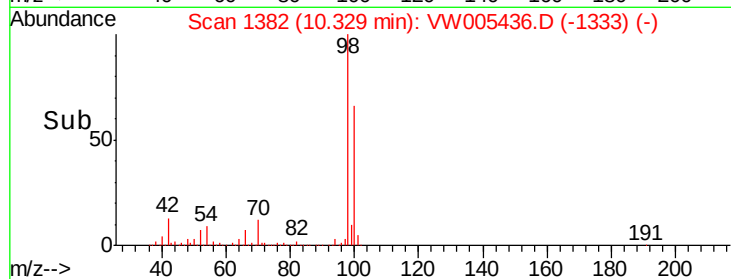
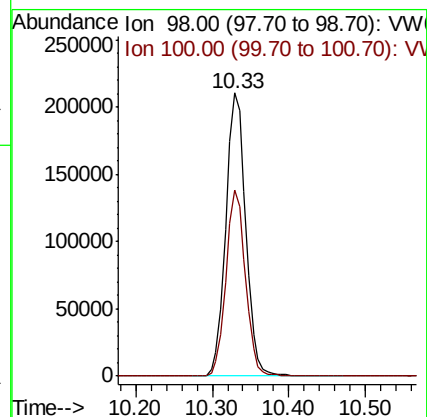
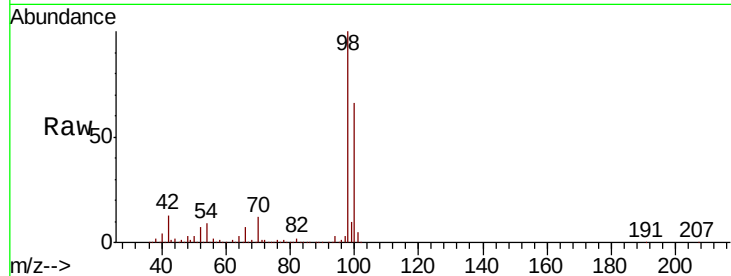
COMP-2

Tgt Ion: 98 Resp: 379812

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.389 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.11 min

Lab File: VW005436.D

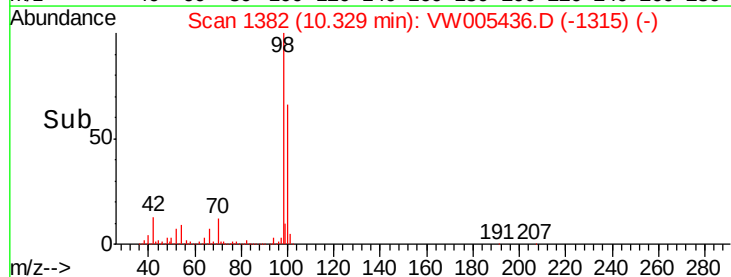
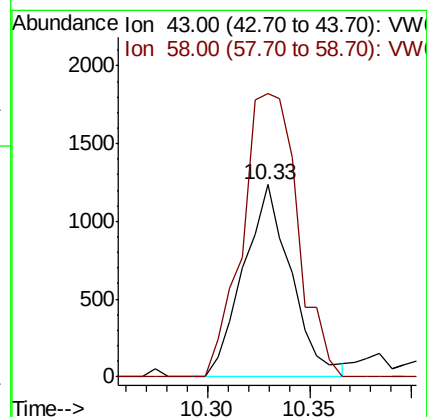
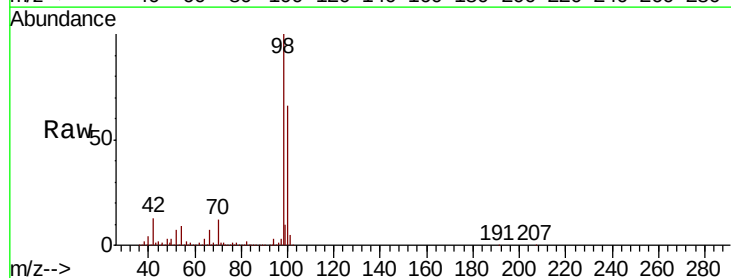
Acq: 17 Sep 2018 16:20

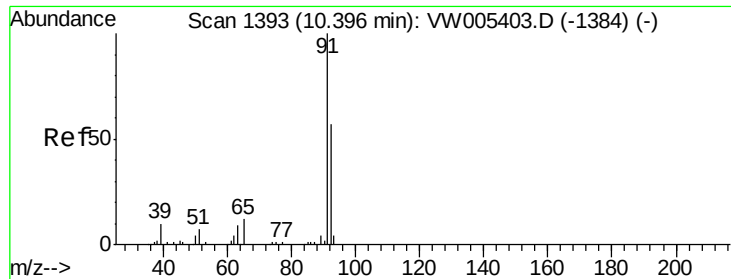
Tgt Ion: 43 Resp: 2007

Ion Ratio Lower Upper

43 100

58 171.2 29.9 44.9#





#52

Toluene

Concen: 1.100 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

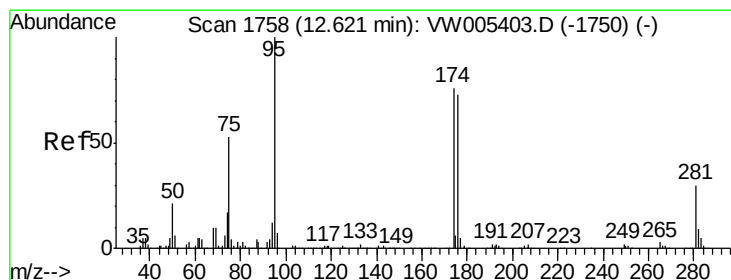
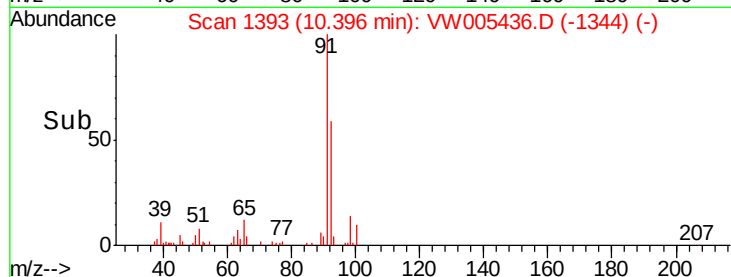
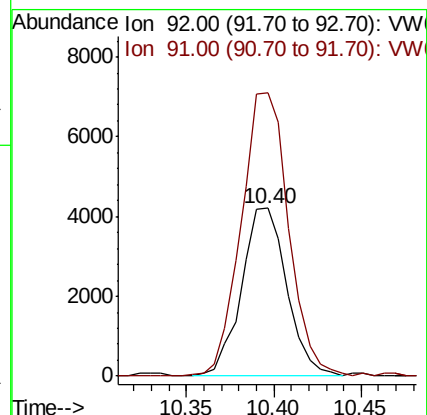
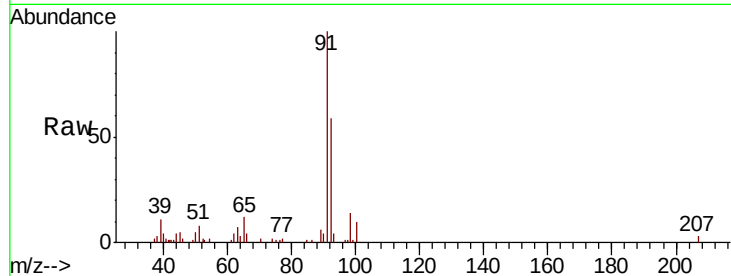
COMP-2

Tgt Ion: 92 Resp: 7628

Ion Ratio Lower Upper

92 100

91 176.1 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 40.072 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

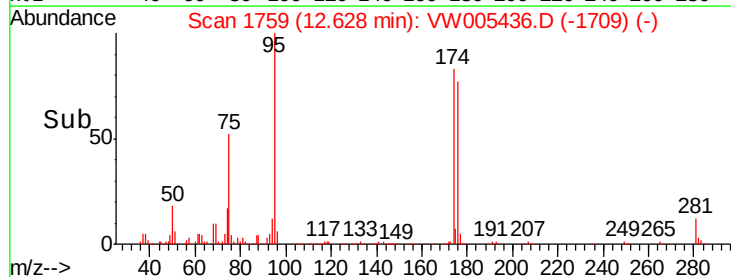
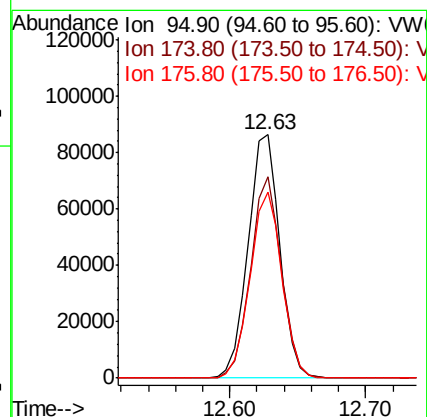
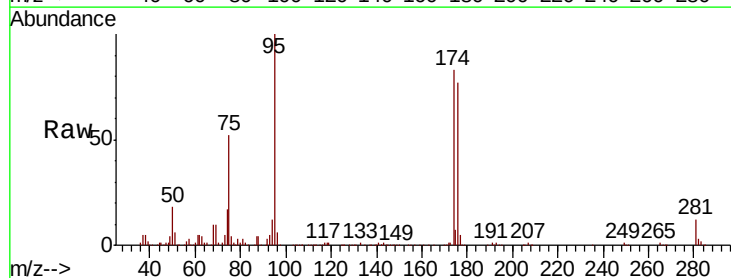
Tgt Ion: 95 Resp: 140954

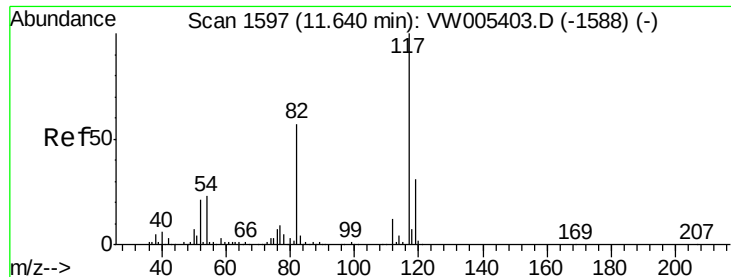
Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.2

176 76.6 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

COMP-2

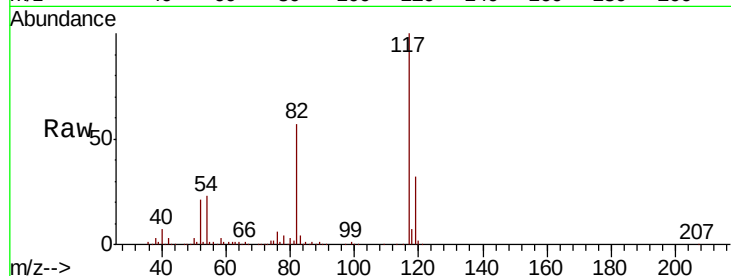
Tgt Ion:117 Resp: 358761

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

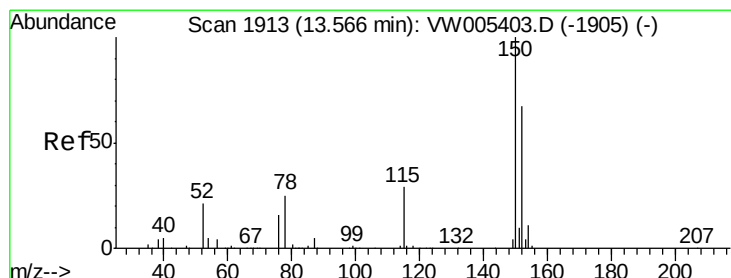
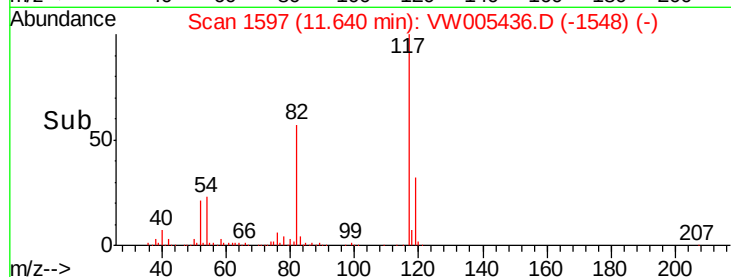
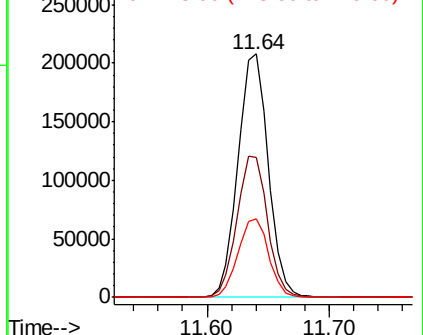
119 32.4 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

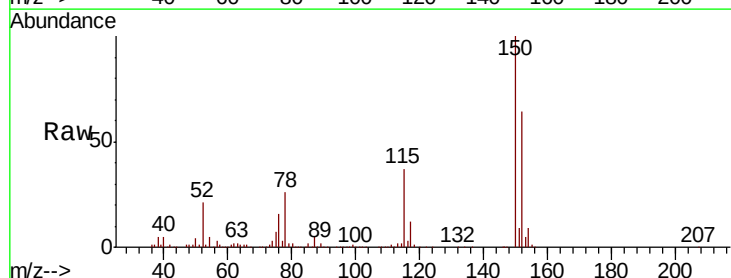
Tgt Ion:152 Resp: 182287

Ion Ratio Lower Upper

152 100

115 58.5 29.5 88.5

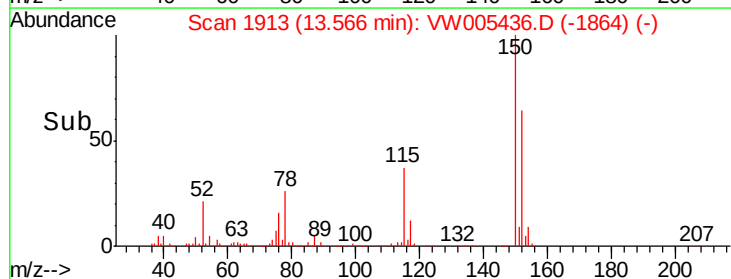
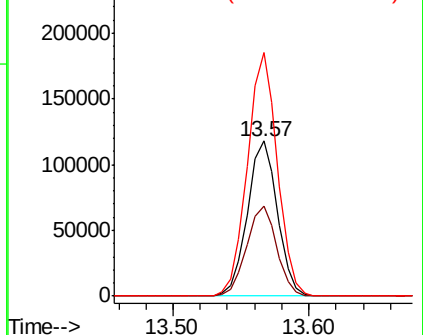
150 156.9 0.0 345.6

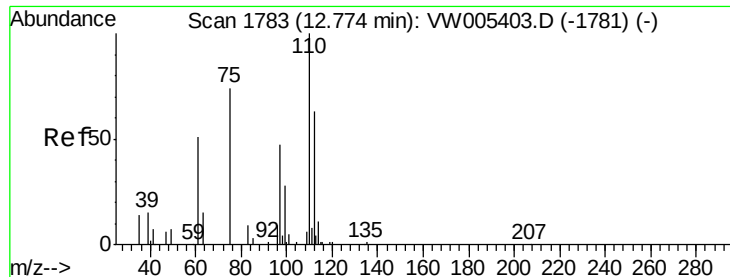


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 49.161 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

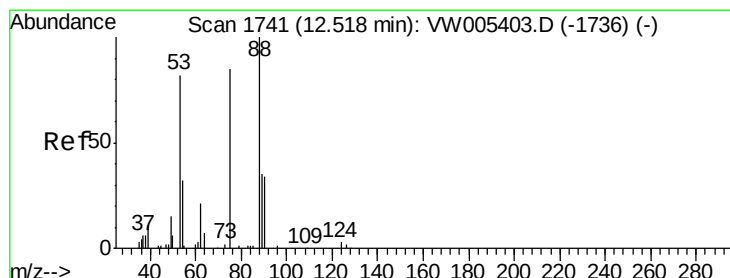
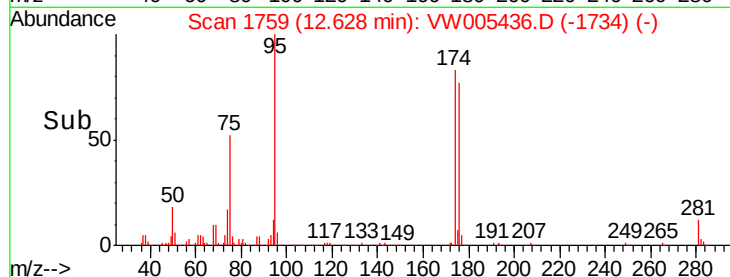
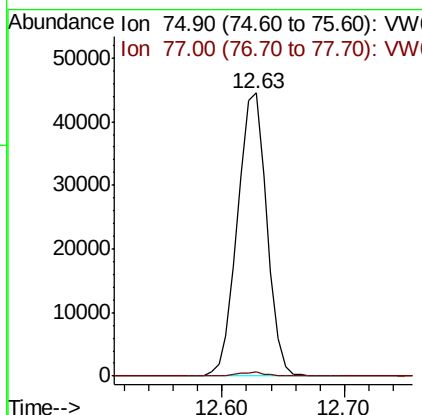
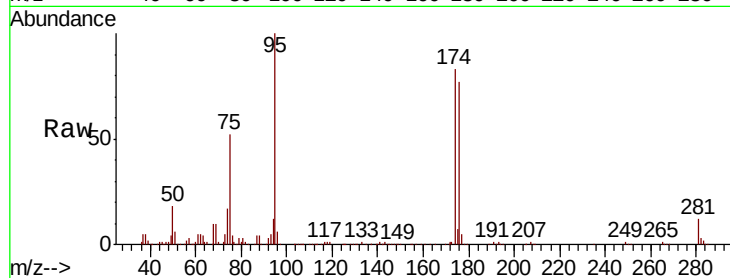
COMP-2

Tgt Ion: 75 Resp: 73705

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.526 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005436.D

Acq: 17 Sep 2018 16:20

Tgt Ion: 75 Resp: 73705

Ion Ratio Lower Upper

75 100

53 0.3 83.2 124.8#

89 0.1 36.6 54.8#

