

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004211.D
 Acq On : 25 Jul 2018 23:47
 Operator : SY/AP
 Sample : J4124-07
 Misc : 6.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-11-D

Quant Time: Jul 26 05:13:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

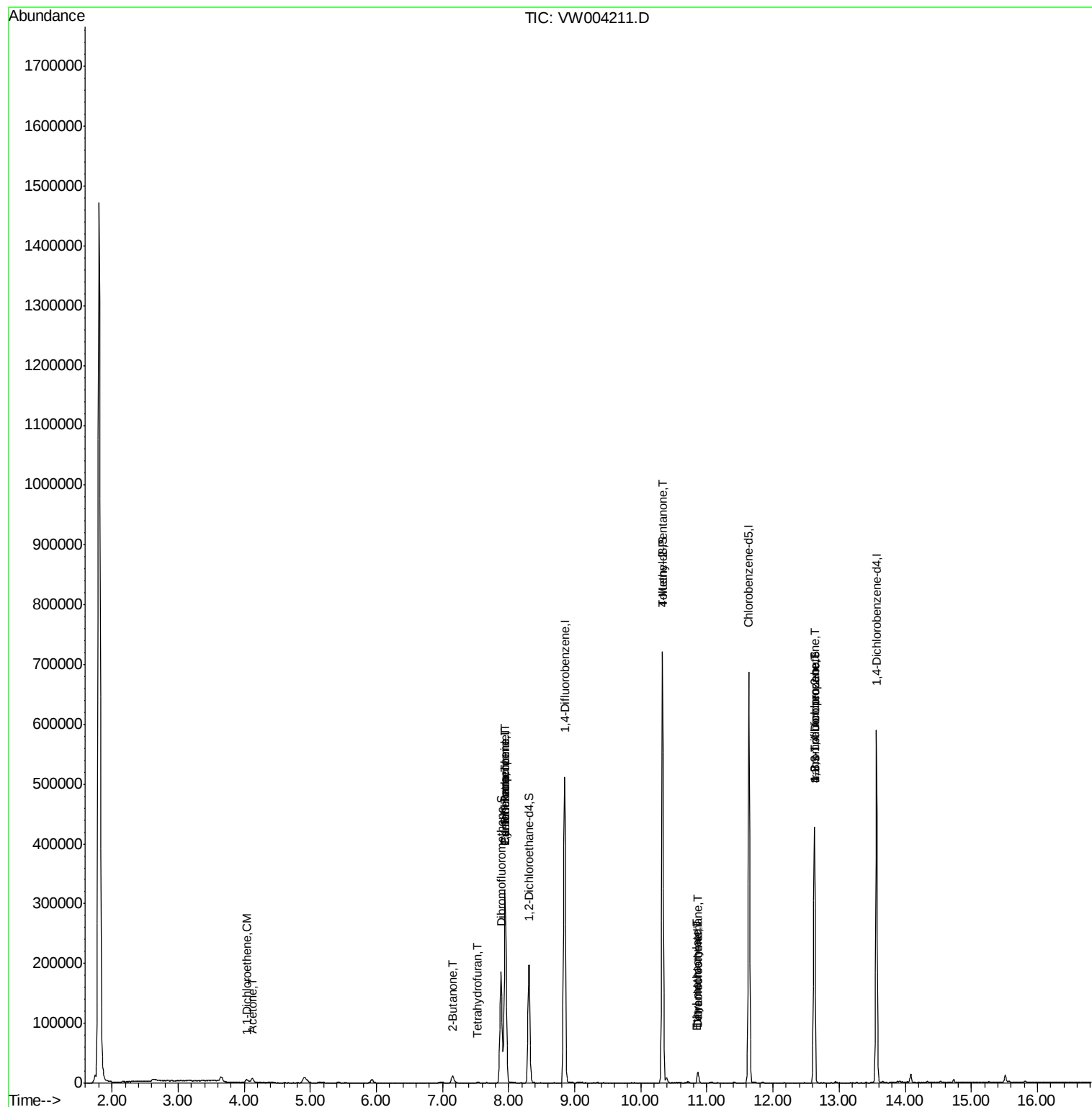
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153397	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	157347	58.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.18%	
35) Dibromofluoromethane	7.88	113	132548	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
50) Toluene-d8	10.33	98	481283	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	12.62	95	139442	37.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.08%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.04	96	3626	1.553	ug/l	84
16) Acetone	4.12	43	12838	19.893	ug/l	90
20) Methylene Chloride	4.92	84	7714	Below Cal		92
25) 2-Butanone	7.14	43	916	1.055	ug/l #	51
29) Tetrahydrofuran	7.53	42	620	1.146	ug/l #	61
31) Cyclohexane	7.95	56	5565	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19611	4.546	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23919	5.934	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2303	1.111	ug/l #	1
56) Ethyl methacrylate	10.85	69	110	2.978	ug/l #	1
60) Dibromochloromethane	10.87	129	3221	1.241	ug/l #	10
64) Tetrachloroethene	10.86	164	4100	1.597	ug/l	85
76) 1,2,3-Trichloropropane	12.62	75	70372	46.210	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70372	102.215	ug/l #	11

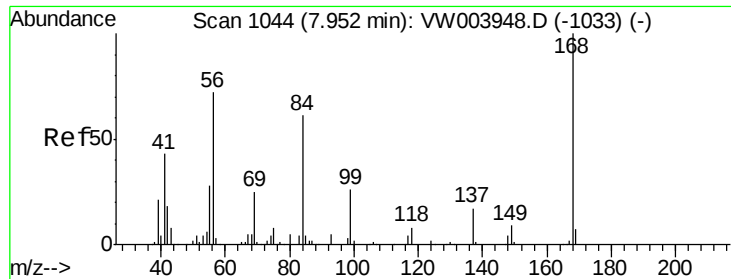
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004211.D

Acq: 25 Jul 2018 23:47

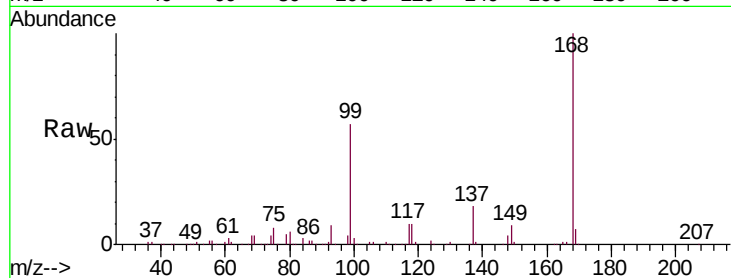
Instrument :
MSVOA_W
ClientSampleId :
TP-11-D

Tgt Ion: 168 Resp: 240260

Ion Ratio Lower Upper

168 100

99 56.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

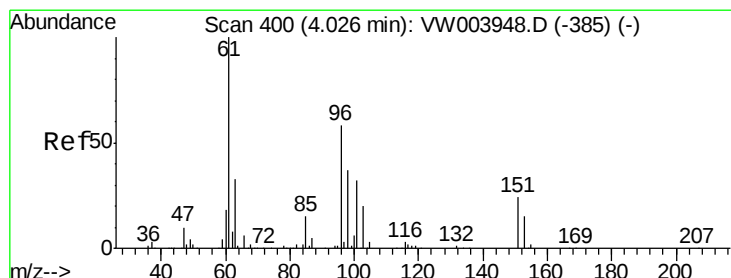
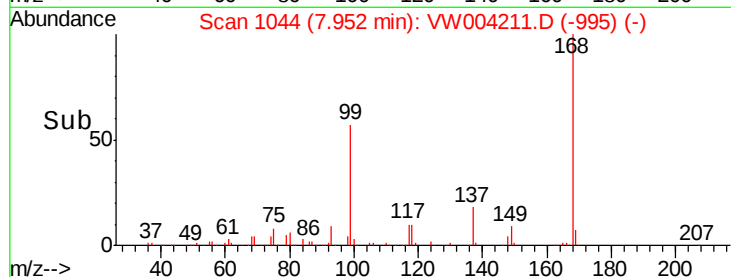
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#12

1,1-Dichloroethene

Concen: 1.553 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

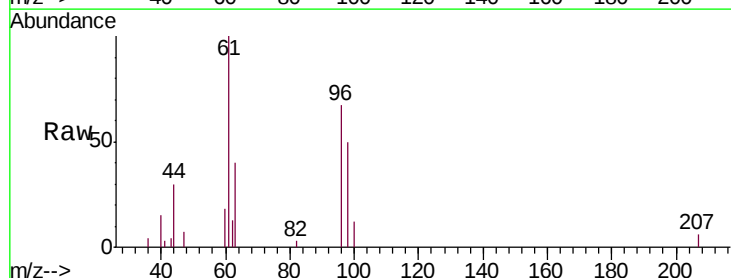
Tgt Ion: 96 Resp: 3626

Ion Ratio Lower Upper

96 100

61 148.9 137.0 205.6

98 74.5 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

2000

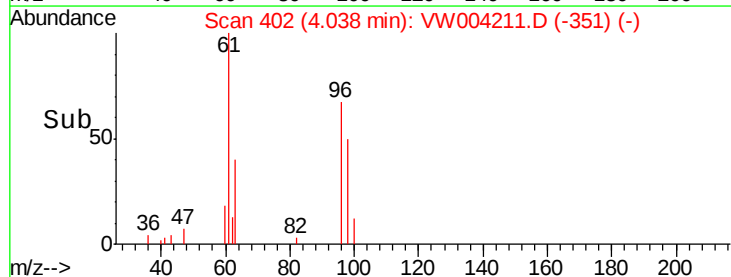
1500

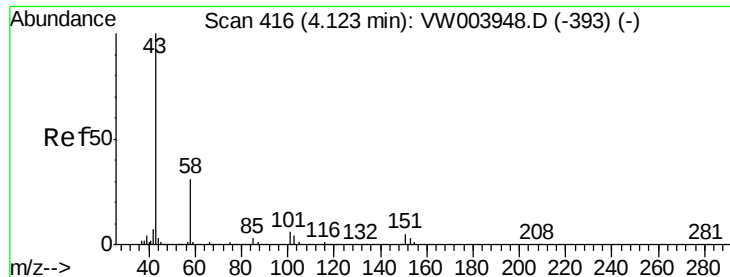
1000

500

0

Time--> 3.95 4.00 4.05 4.10 4.15





#16

Acetone

Concen: 19.893 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Instrument :

MSVOA_W

ClientSampled :

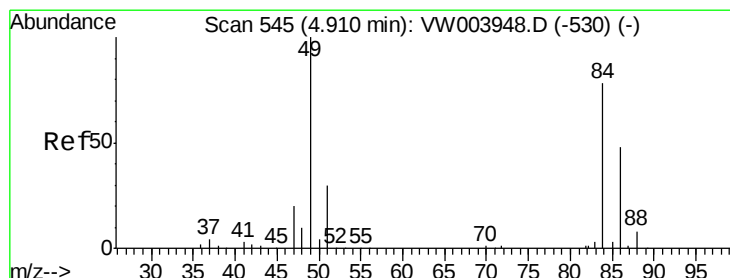
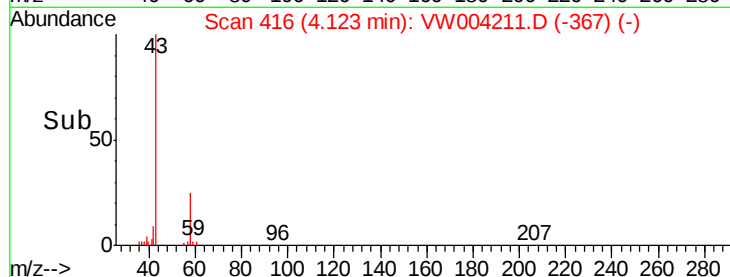
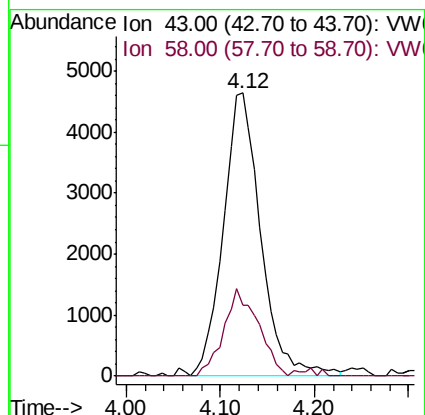
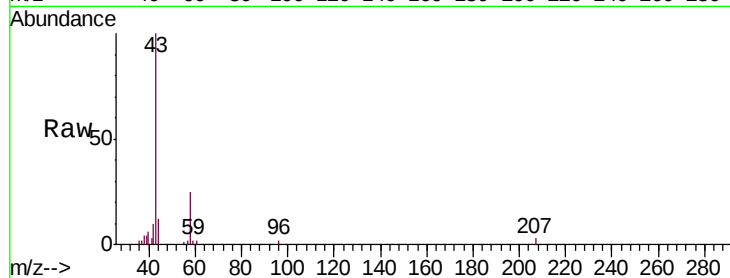
TP-11-D

Tgt Ion: 43 Resp: 12838

Ion Ratio Lower Upper

43 100

58 25.0 24.5 36.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Tgt Ion: 84 Resp: 7714

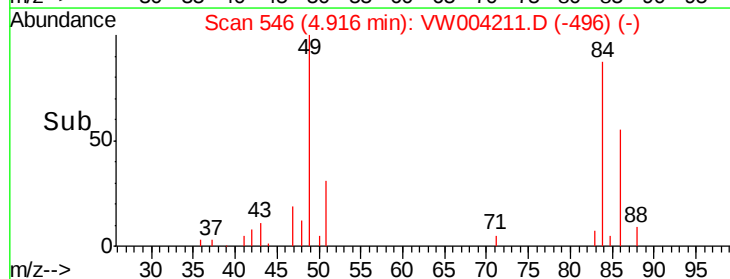
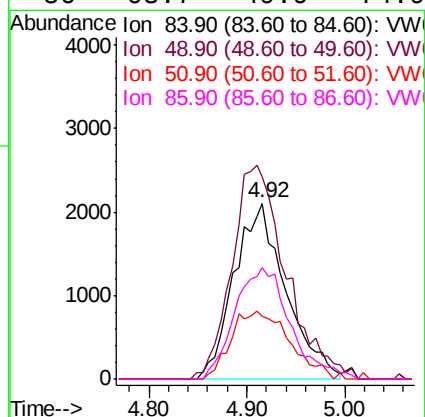
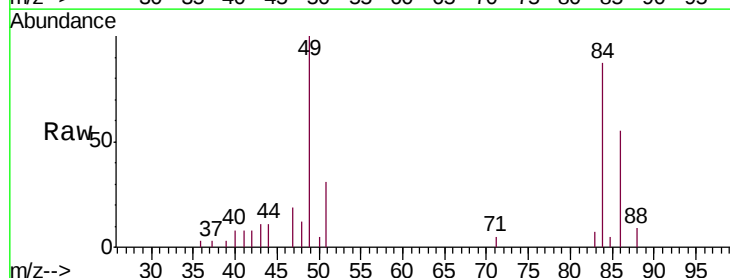
Ion Ratio Lower Upper

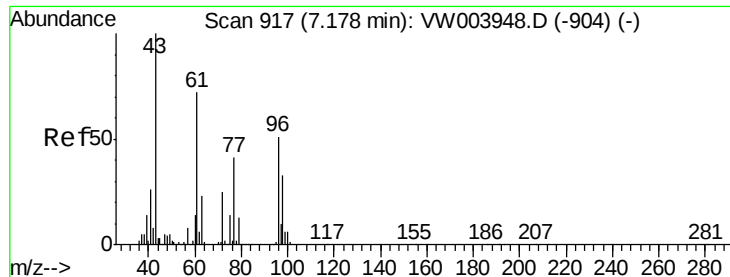
84 100

49 115.5 102.9 154.3

51 35.9 30.9 46.3

86 63.7 49.9 74.9





#25

2-Butanone

Concen: 1.055 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.04 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

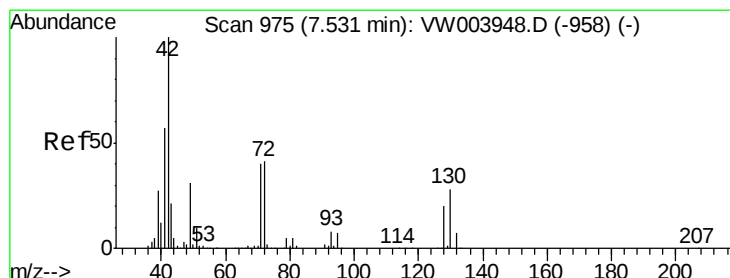
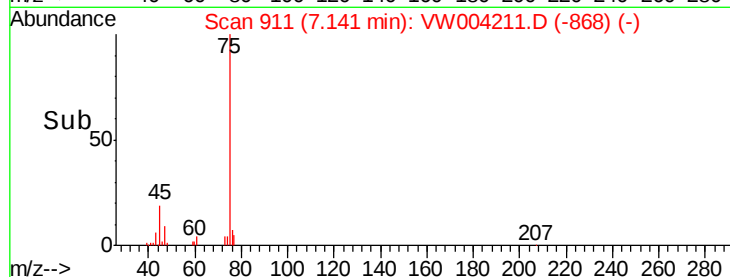
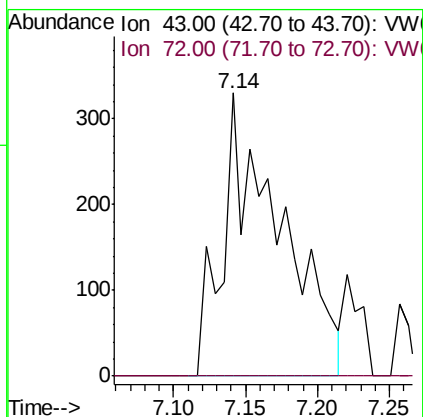
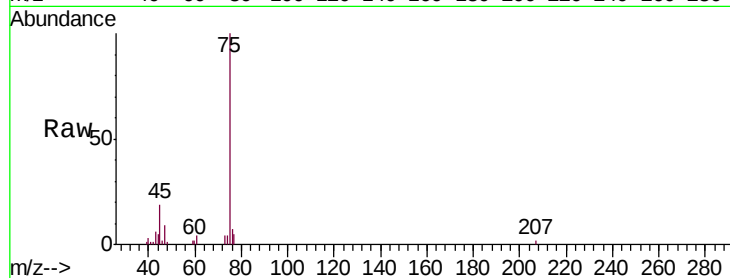
Instrument :
MSVOA_W
ClientSampled :
TP-11-D

Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#29

Tetrahydrofuran

Concen: 1.146 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

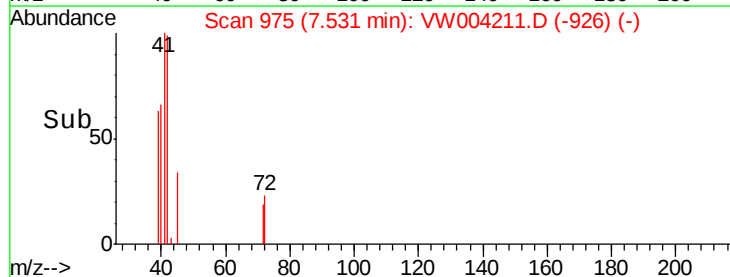
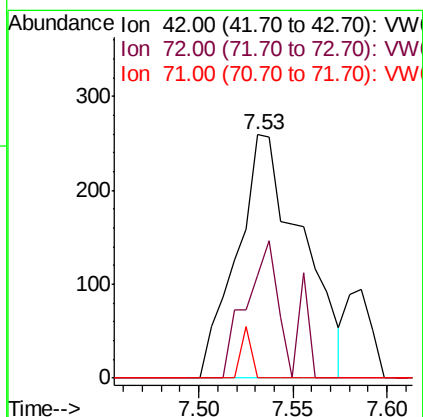
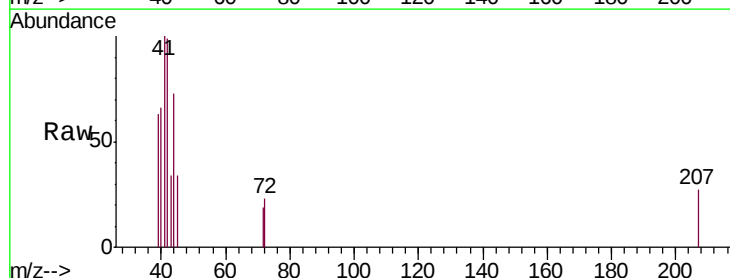
Tgt Ion: 42 Resp: 620

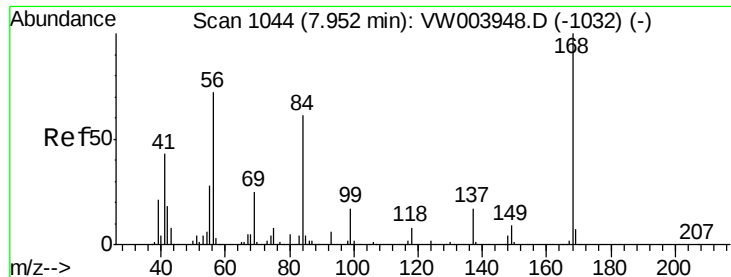
Ion Ratio Lower Upper

42 100

72 27.4 32.6 48.8#

71 3.2 30.5 45.7#

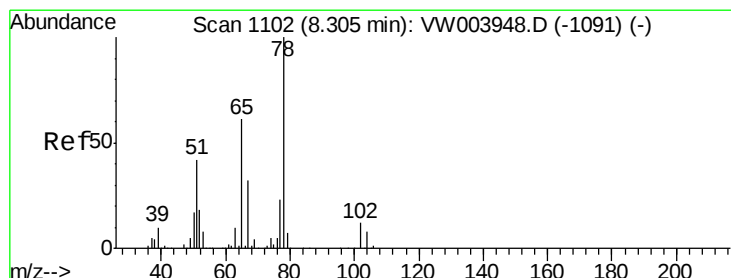
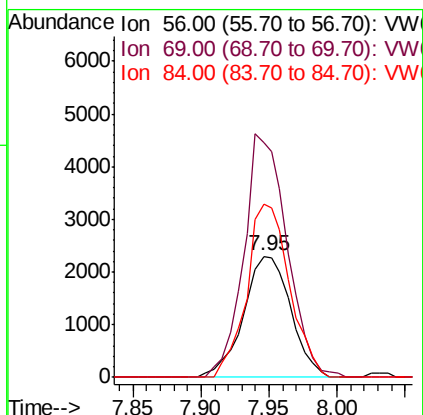
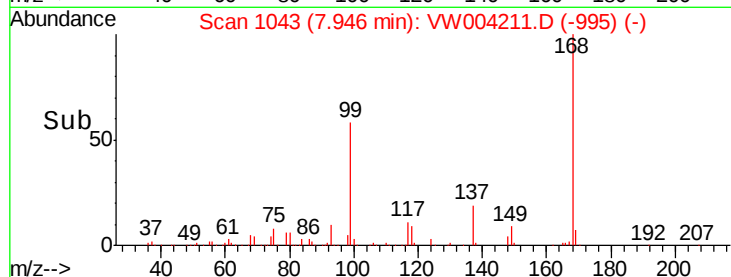
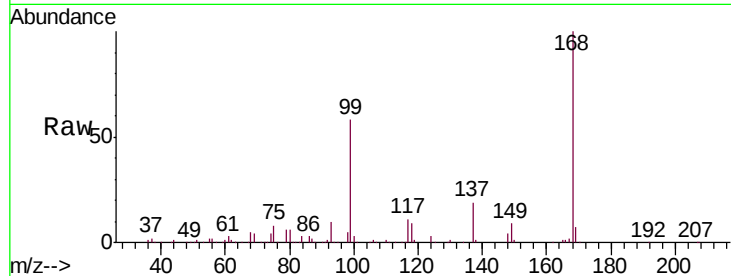




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

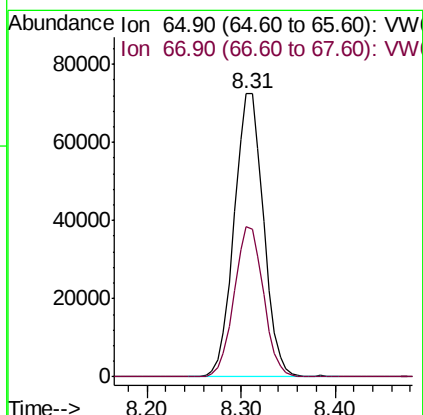
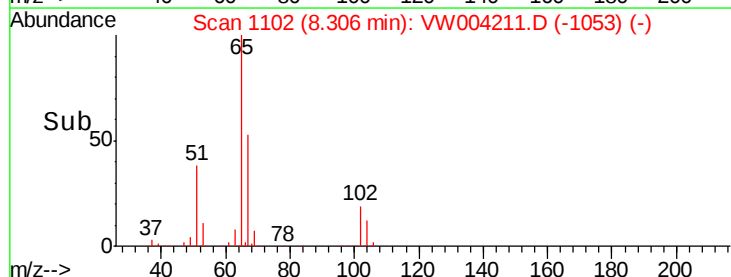
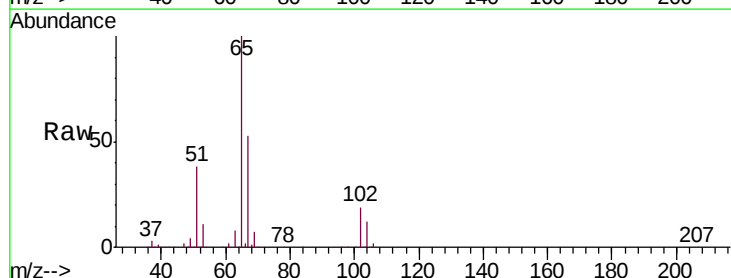
Instrument :
MSVOA_W
ClientSampleId :
TP-11-D

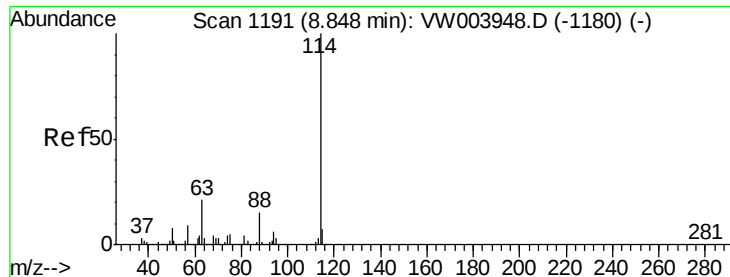
Tgt Ion: 56 Resp: 5565
Ion Ratio Lower Upper
56 100
69 193.8 27.8 41.8#
84 143.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.589 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

Tgt Ion: 65 Resp: 157347
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0

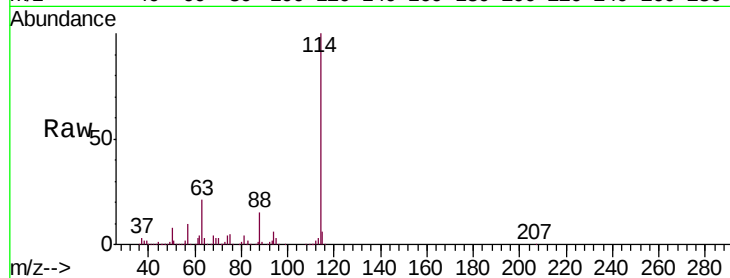




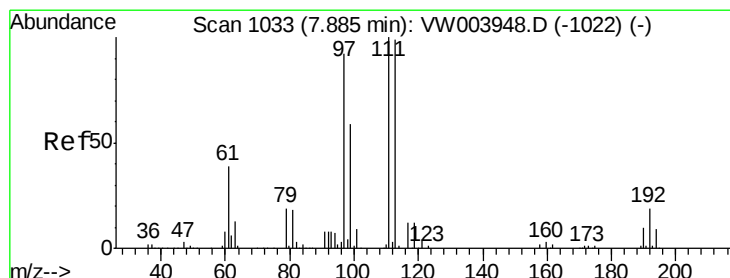
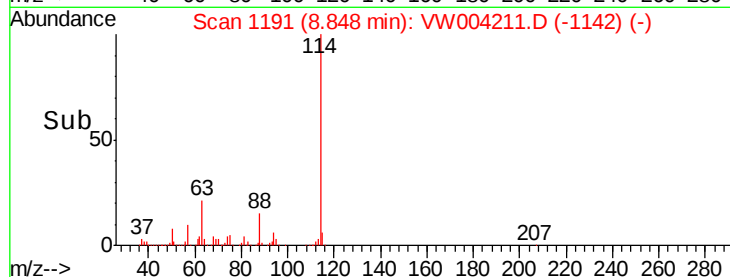
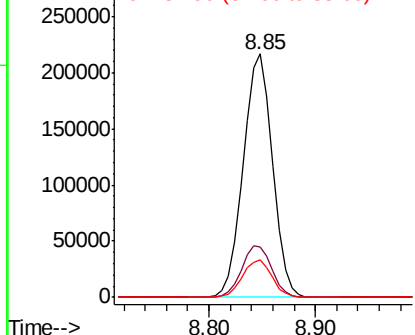
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

Instrument :
MSVOA_W
ClientSampleID :
TP-11-D

Tgt Ion:114 Resp: 419282
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.8
88 15.4 0.0 30.4

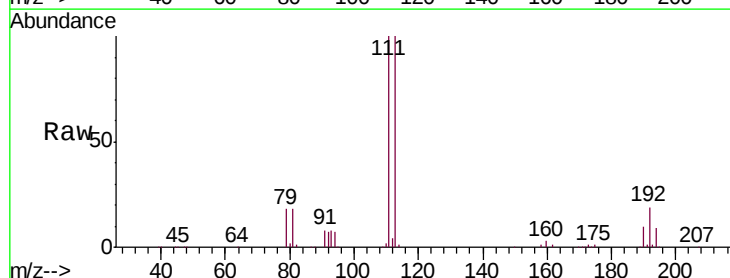


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

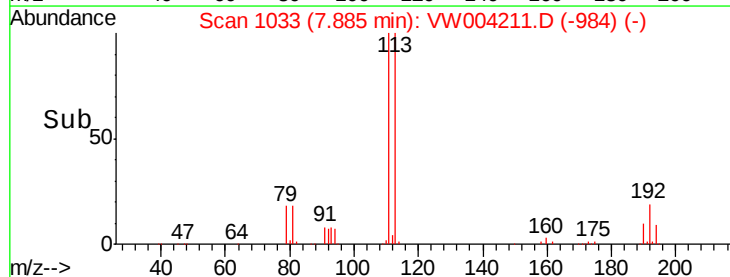
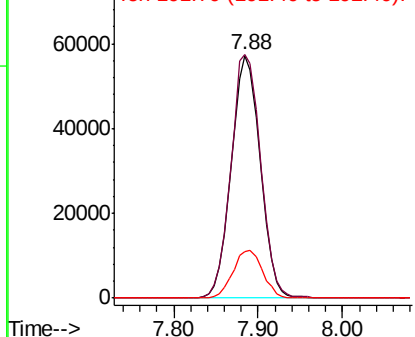


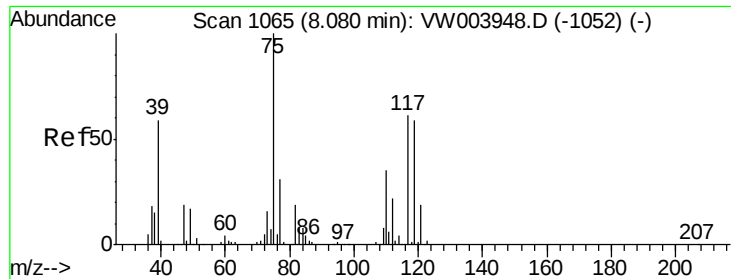
#35
Dibromofluoromethane
Concen: 49.270 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

Tgt Ion:113 Resp: 132548
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 20.1 15.8 23.6



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

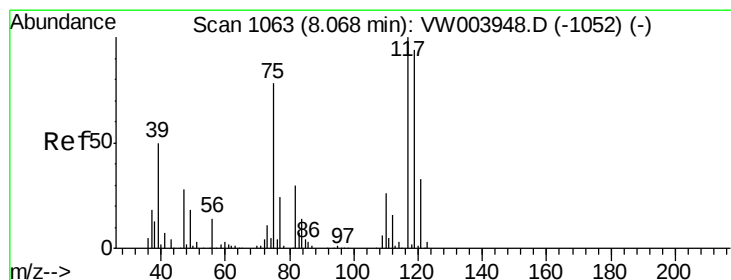
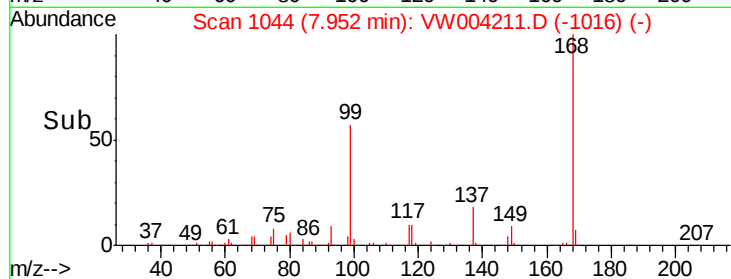
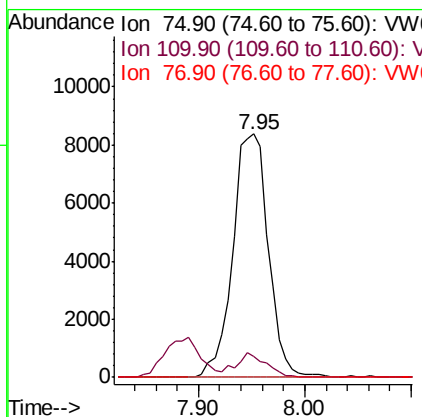
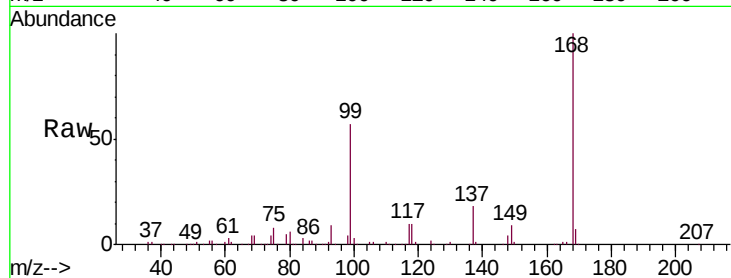




#36
 1,1-Dichloropropene
 Concen: 4.546 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004211.D
 Acq: 25 Jul 2018 23:47

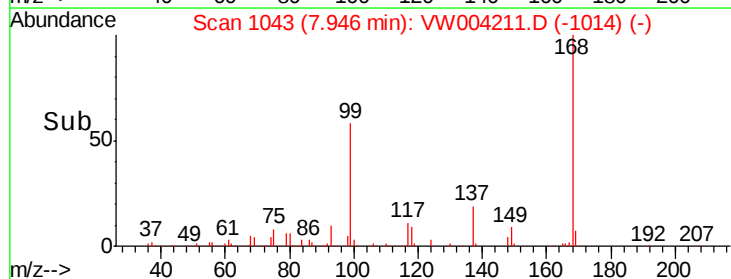
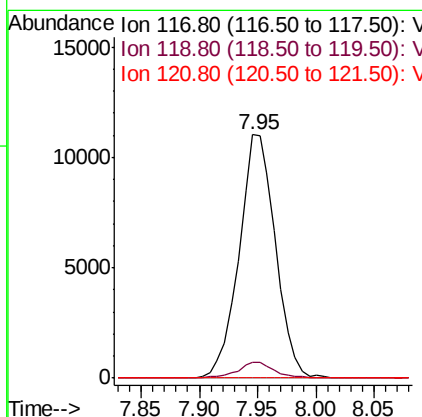
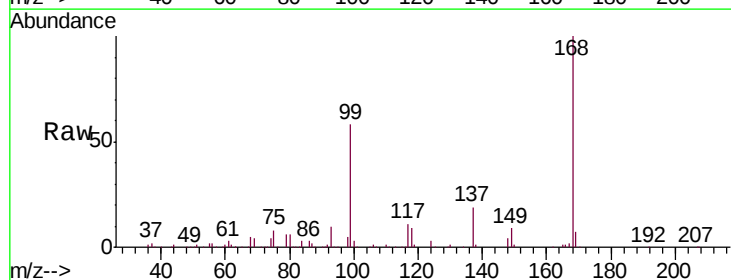
Instrument :
 MSVOA_W
 ClientSampled :
 TP-11-D

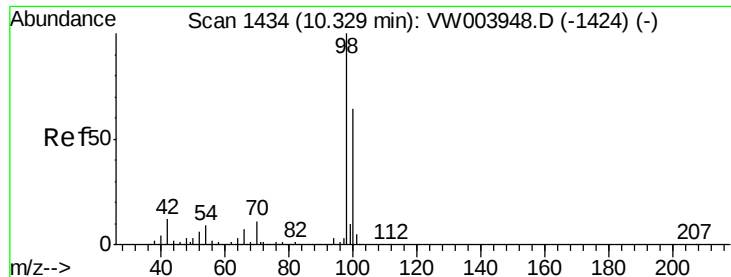
Tgt Ion: 75 Resp: 19611
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.0 51.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.934 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW004211.D
 Acq: 25 Jul 2018 23:47

Tgt Ion: 117 Resp: 23919
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.3 112.9#
 121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 46.106 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Instrument :

MSVOA_W

ClientSampleId :

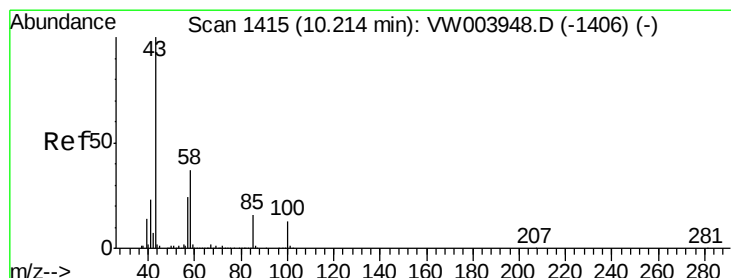
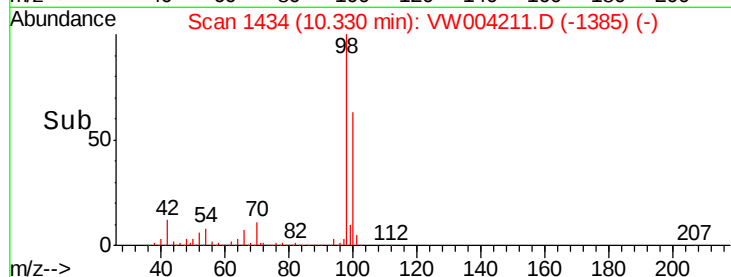
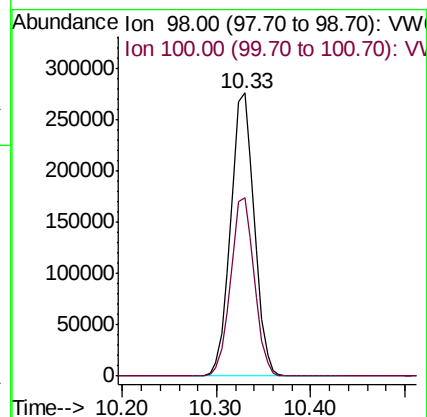
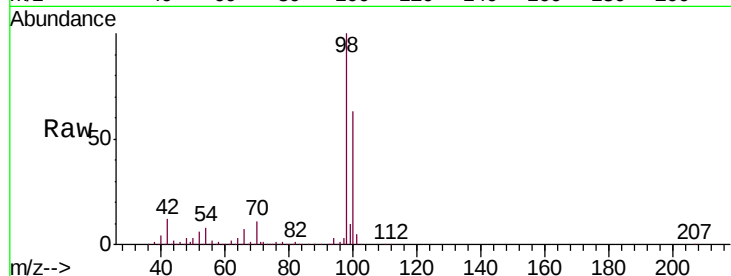
TP-11-D

Tgt Ion: 98 Resp: 481283

Ion Ratio Lower Upper

98 100

100 62.8 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.111 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VW004211.D

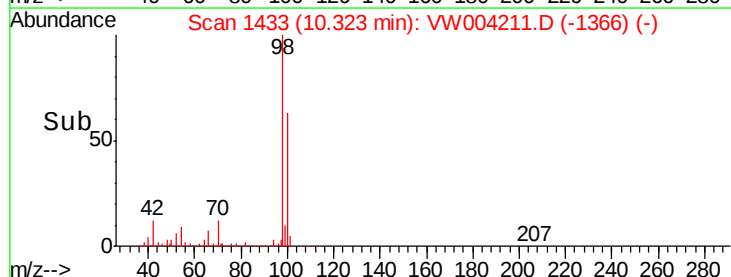
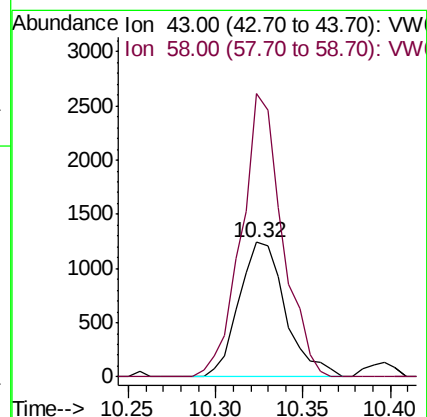
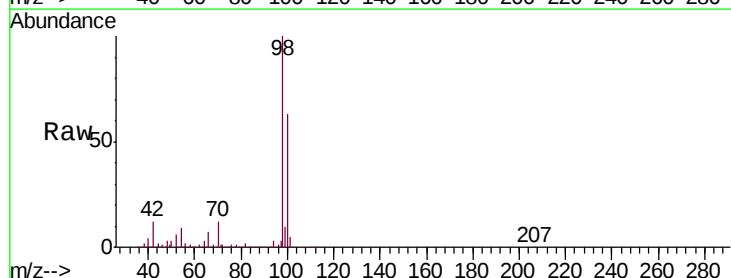
Acq: 25 Jul 2018 23:47

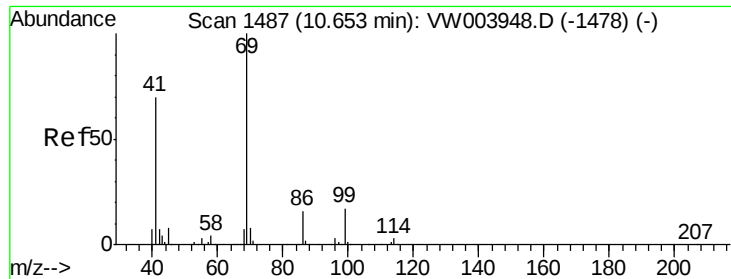
Tgt Ion: 43 Resp: 2303

Ion Ratio Lower Upper

43 100

58 184.9 29.9 44.9#





#56

Ethyl methacrylate

Concen: 2.978 ug/l

RT: 10.85 min Scan# 1519

Delta R.T. 0.20 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Instrument :

MSVOA_W

ClientSampleId :

TP-11-D

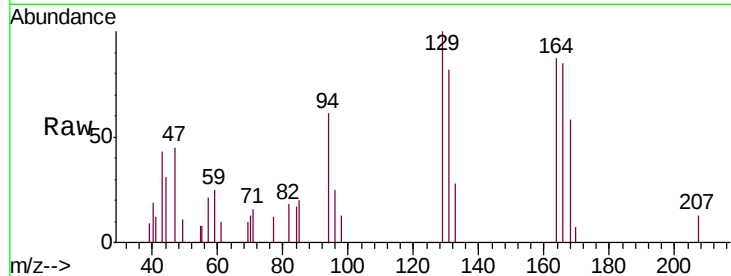
Tgt Ion: 69 Resp: 110

Ion Ratio Lower Upper

69 100

41 283.6 56.5 84.7#

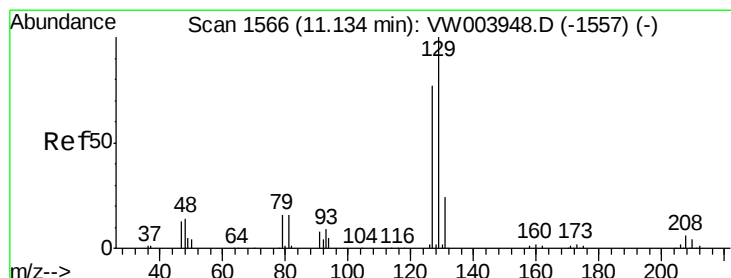
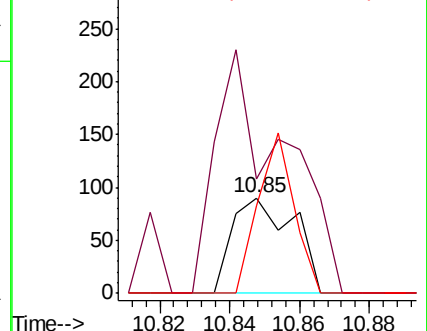
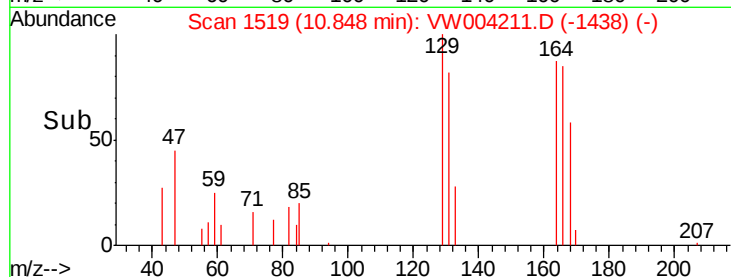
39 96.4 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#60

Dibromochloromethane

Concen: 1.241 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.27 min

Lab File: VW004211.D

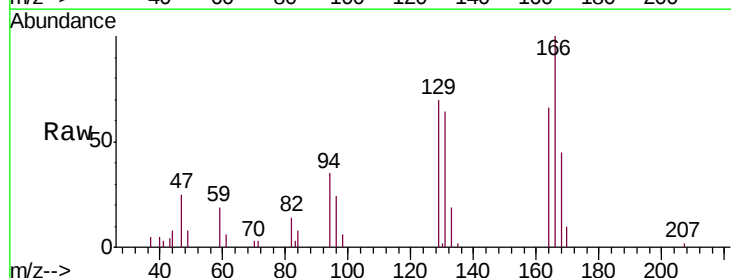
Acq: 25 Jul 2018 23:47

Tgt Ion: 129 Resp: 3221

Ion Ratio Lower Upper

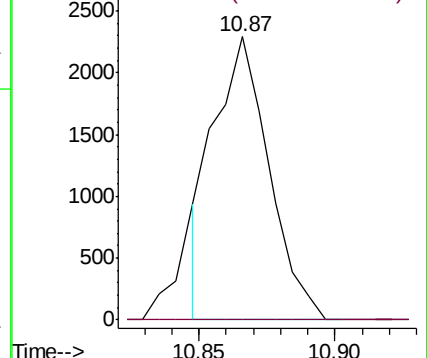
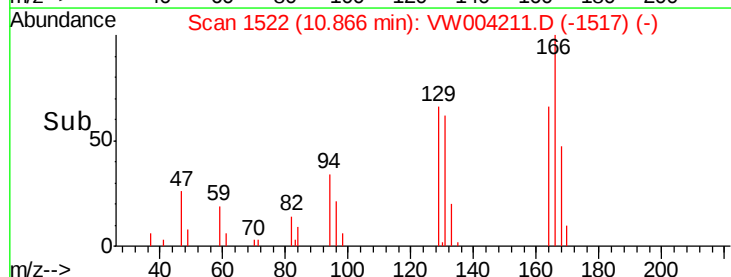
129 100

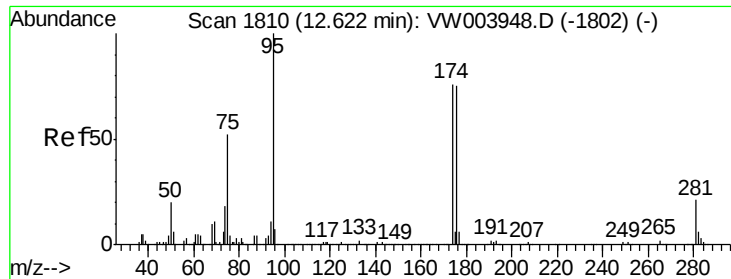
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

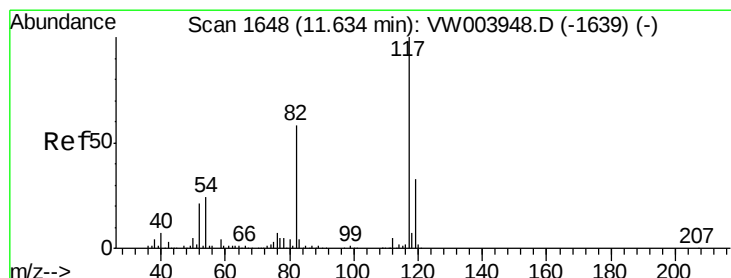
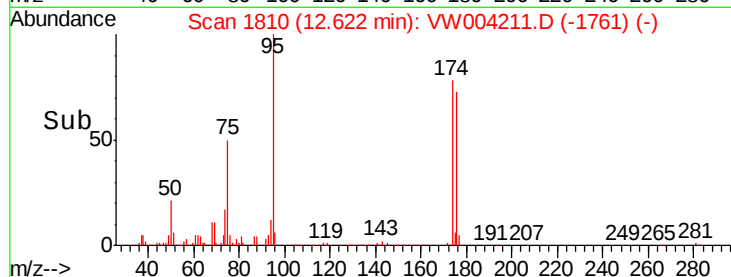
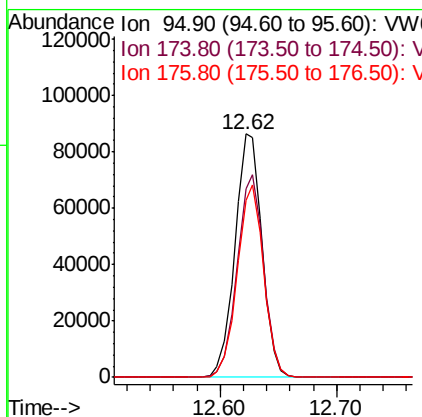
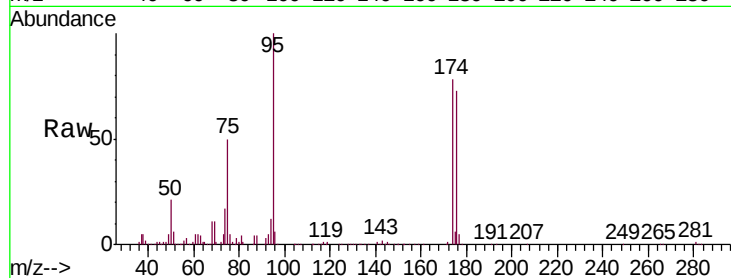




#62
4-Bromofluorobenzene
Concen: 37.044 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

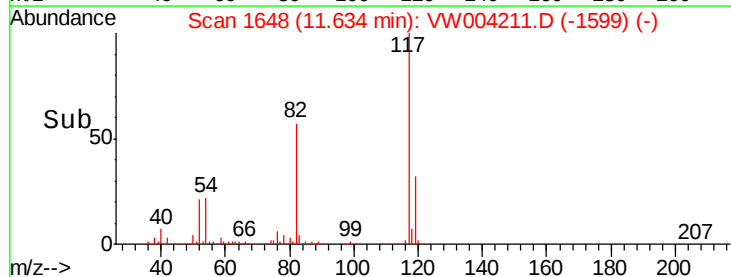
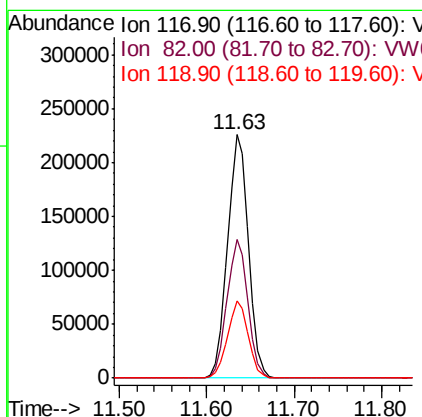
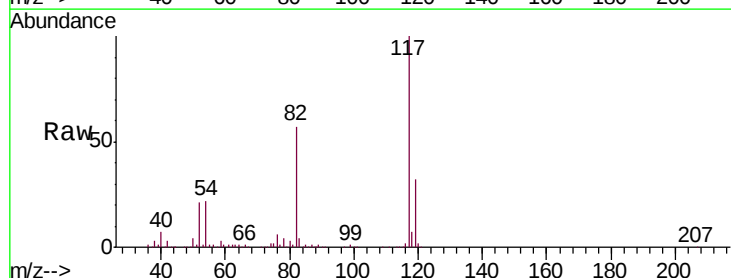
Instrument :
MSVOA_W
ClientSampleId :
TP-11-D

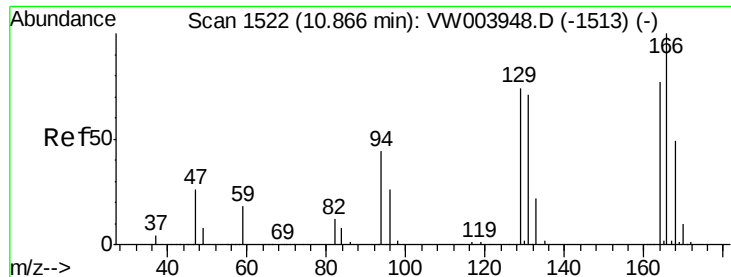
Tgt Ion: 95 Resp: 139442
Ion Ratio Lower Upper
95 100
174 81.9 0.0 160.2
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

Tgt Ion: 117 Resp: 374054
Ion Ratio Lower Upper
117 100
82 56.7 46.5 69.7
119 31.7 26.2 39.2

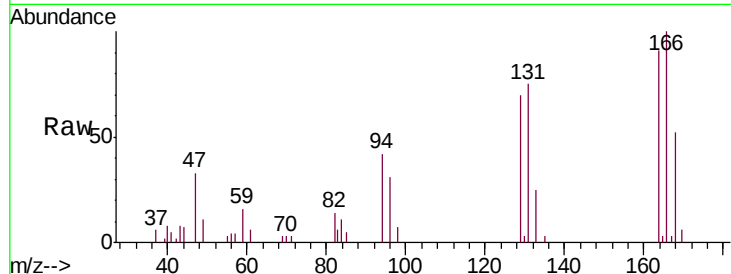




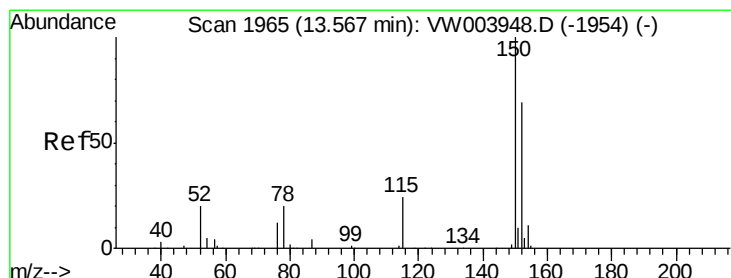
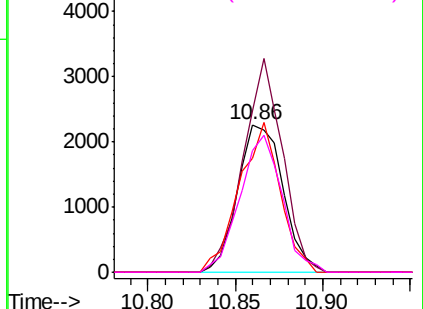
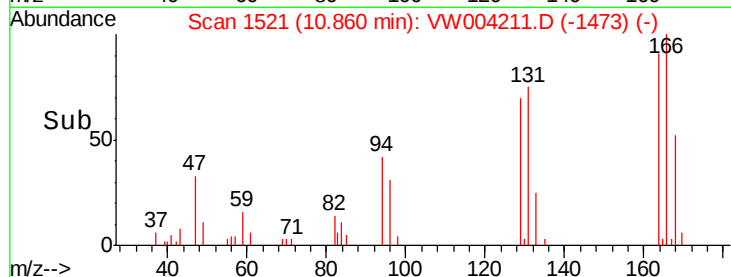
#64
Tetrachloroethene
Concen: 1.597 ug/l
RT: 10.86 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

Instrument :
MSVOA_W
ClientSampleId :
TP-11-D

Tgt Ion:164 Resp: 4100
Ion Ratio Lower Upper
164 100
166 109.6 103.5 155.3
129 77.3 76.8 115.2
131 82.7 73.2 109.8

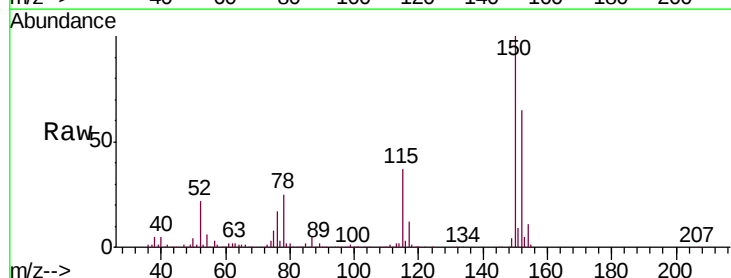


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

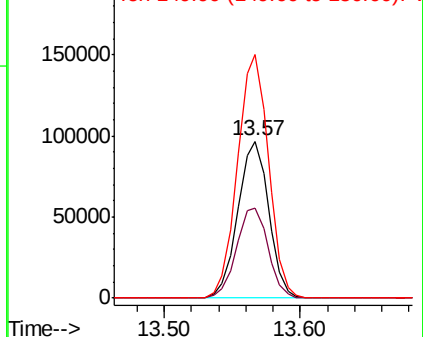
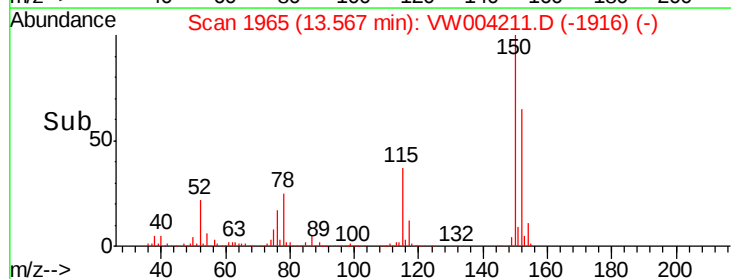


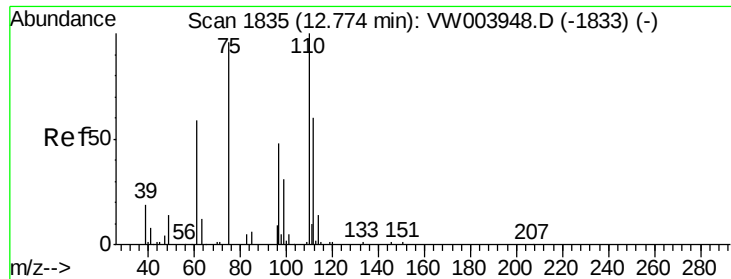
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004211.D
Acq: 25 Jul 2018 23:47

Tgt Ion:152 Resp: 153397
Ion Ratio Lower Upper
152 100
115 58.6 29.2 87.6
150 155.5 0.0 345.2



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

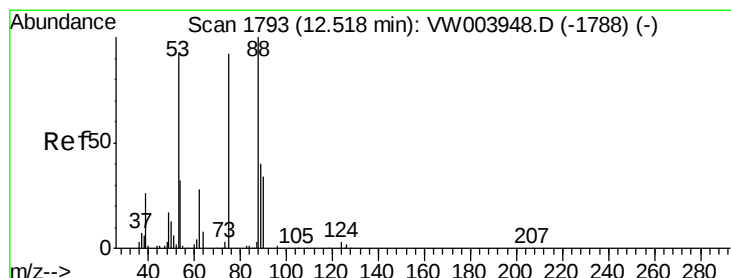
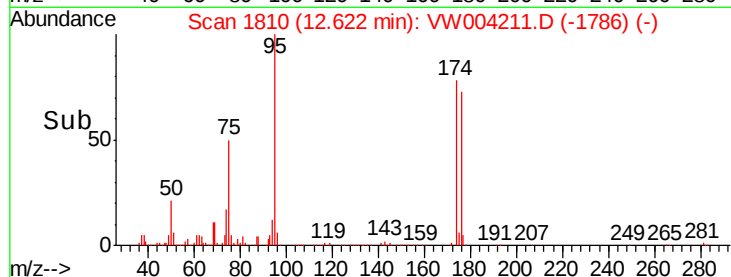
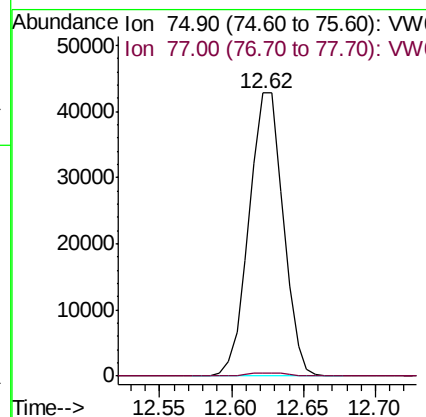
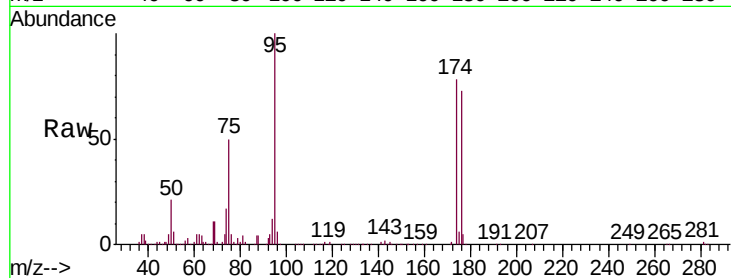




#76
 1,2,3-Trichloropropane
 Concen: 46.210 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004211.D
 Acq: 25 Jul 2018 23:47

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-11-D

Tgt Ion: 75 Resp: 70372
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.215 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004211.D
 Acq: 25 Jul 2018 23:47

Tgt Ion: 75 Resp: 70372
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.6 116.4#
 89 0.0 36.6 54.8#

