

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004138.D
 Acq On : 23 Jul 2018 15:37
 Operator : SY/AP
 Sample : J4030-10
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:44:20 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	208604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	351582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	69668	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	100475	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	
35) Dibromofluoromethane	7.88	113	48075	21.31	ug/l	0.00
Spiked Amount			Recovery	=	42.62%	
50) Toluene-d8	10.33	98	267832	30.60	ug/l	0.00
Spiked Amount			Recovery	=	61.20%	
62) 4-Bromofluorobenzene	12.62	95	63864	20.23	ug/l	0.00
Spiked Amount			Recovery	=	40.46%	

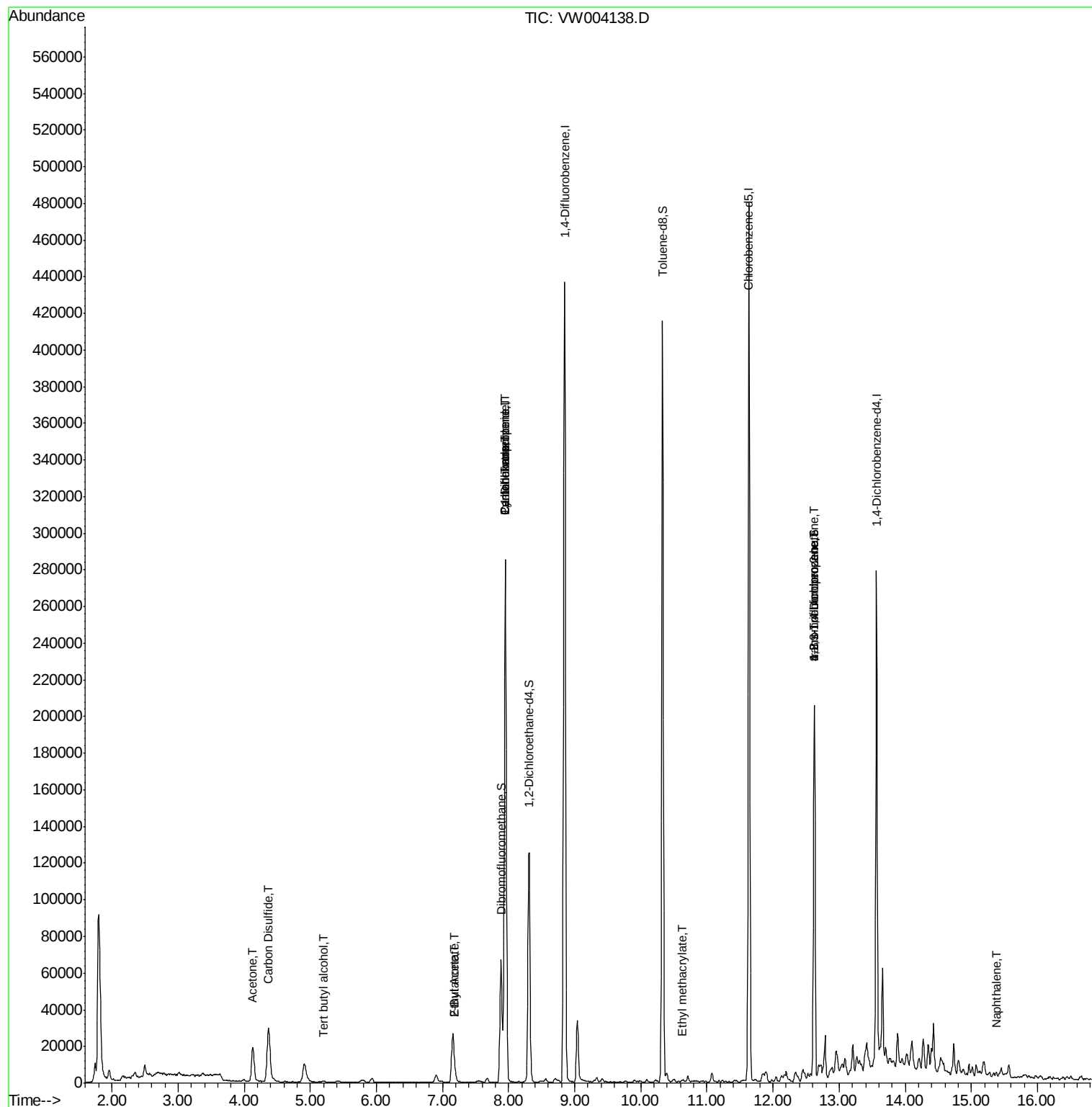
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	301	1.870	ug/l #	72
16) Acetone	4.14	43	34096	60.850	ug/l	99
17) Carbon Disulfide	4.37	76	72562	11.467	ug/l	100
20) Methylene Chloride	4.91	84	8658	Below Cal		95
25) 2-Butanone	7.19	43	6154	8.161	ug/l	96
31) Cyclohexane	7.95	56	5111	1.321	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17405	4.812	ug/l #	50
37) Ethyl Acetate	7.19	43	6154	3.527	ug/l #	70
38) Carbon Tetrachloride	7.95	117	21076	6.236	ug/l #	18
56) Ethyl methacrylate	10.62	69	202	3.017	ug/l #	2
76) 1,2,3-Trichloropropane	12.62	75	33792	48.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	33792	108.072	ug/l #	12
95) Naphthalene	15.38	128	2884	1.061	ug/l	97

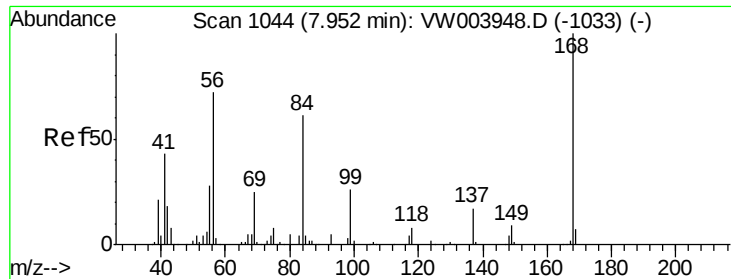
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004138.D

Acq: 23 Jul 2018 15:37

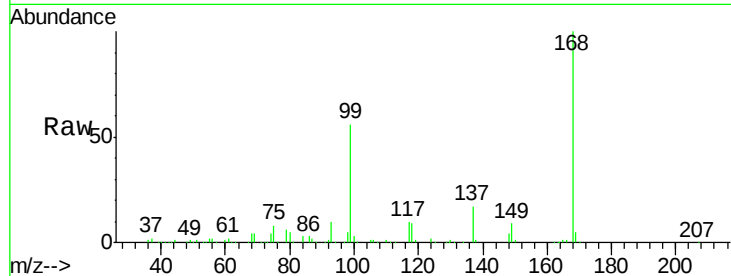
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 208604

Ion Ratio Lower Upper

168 100

99 55.7 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

100000

80000

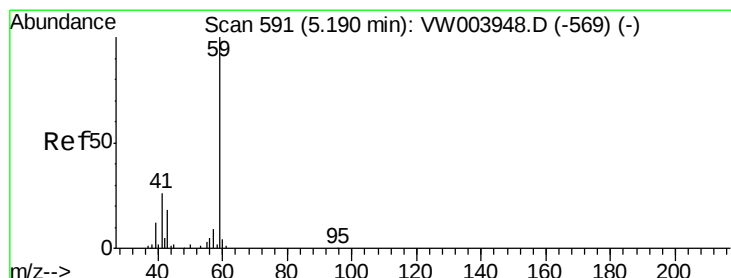
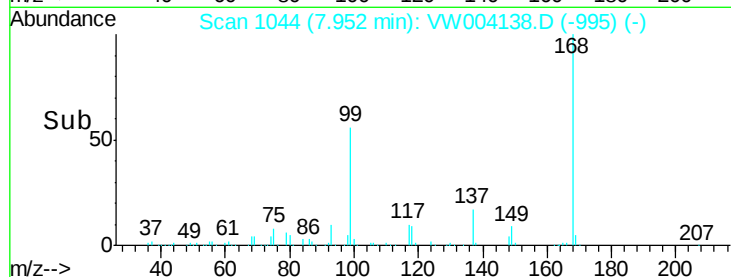
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.870 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.00 min

Lab File: VW004138.D

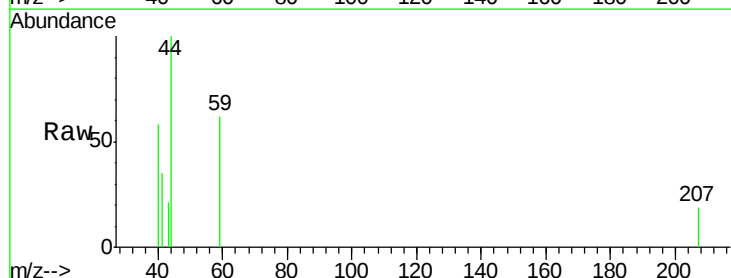
Acq: 23 Jul 2018 15:37

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

250

200

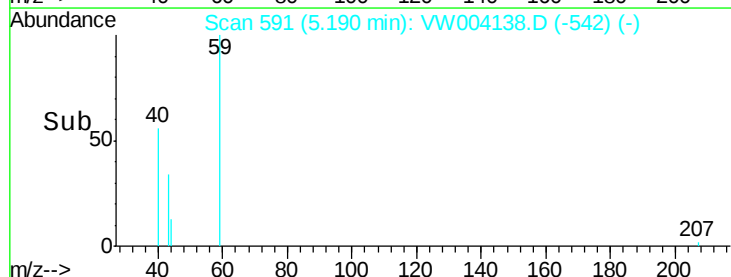
150

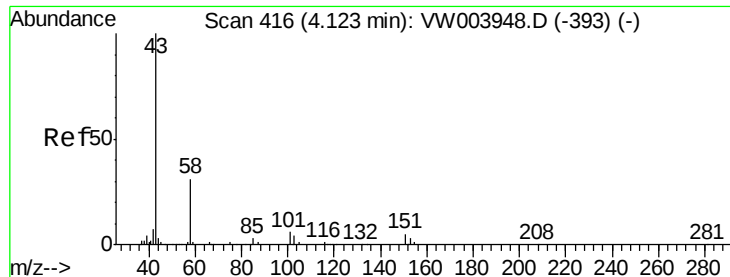
100

50

0

Time-->





#16

Acetone

Concen: 60.850 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

Instrument :

MSVOA_W

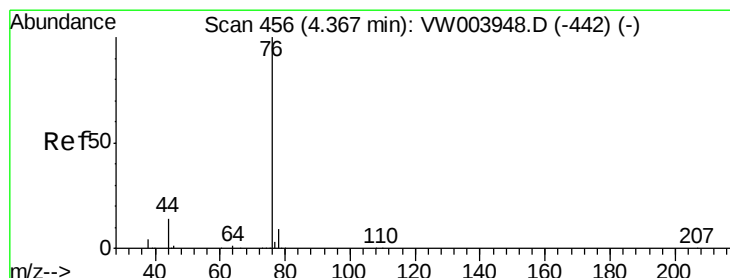
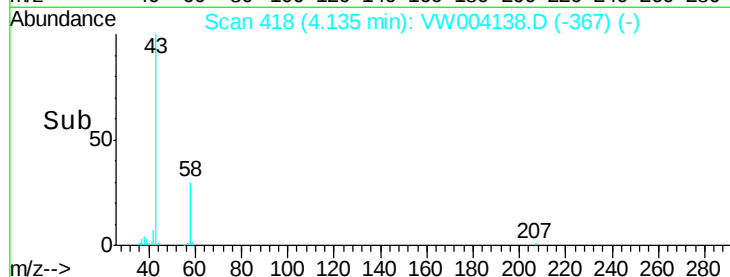
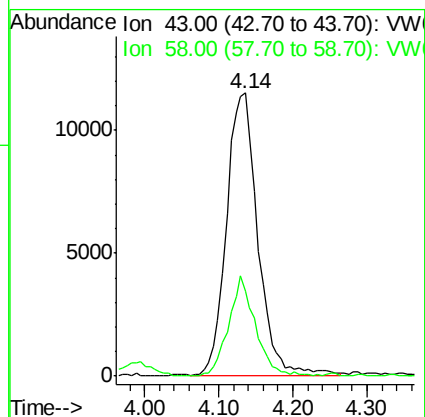
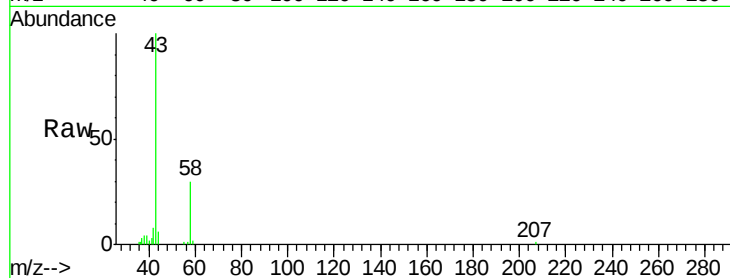
ClientSampled :

Tot Ion: 43 Resp: 34096

Ion Ratio Lower Upper

43 100

58 30.2 24.5 36.7



#17

Carbon Disulfide

Concen: 11.467 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004138.D

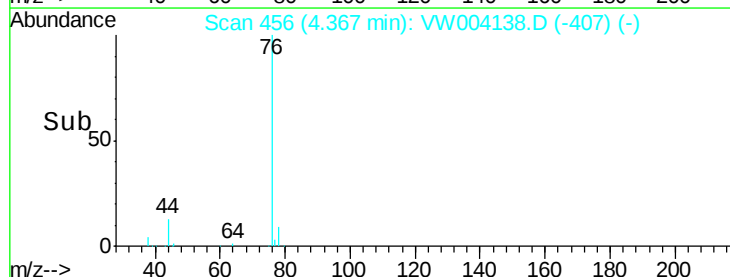
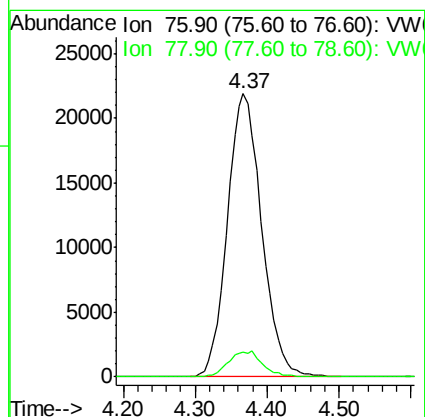
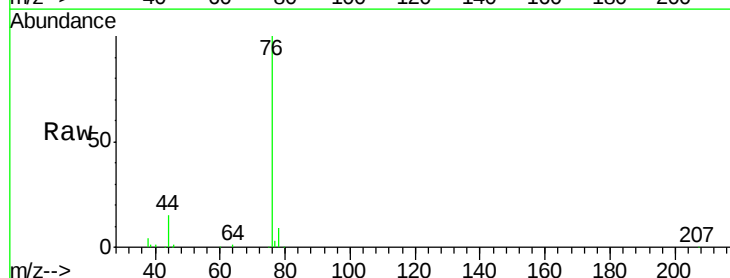
Acq: 23 Jul 2018 15:37

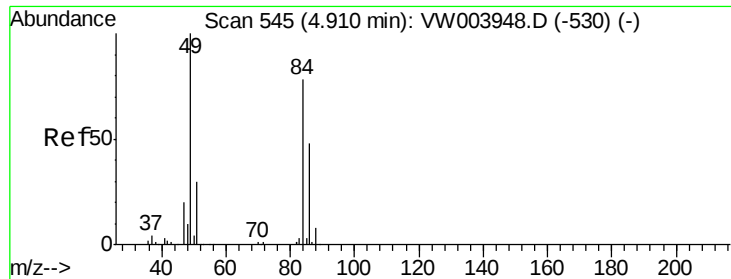
Tgt Ion: 76 Resp: 72562

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

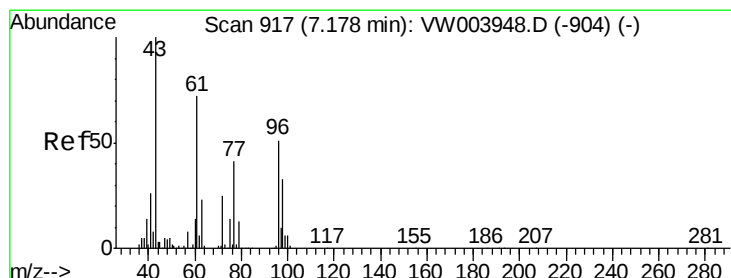
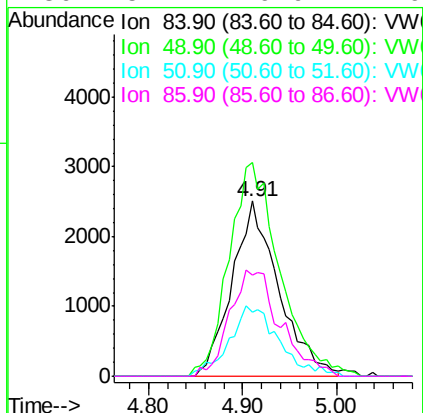
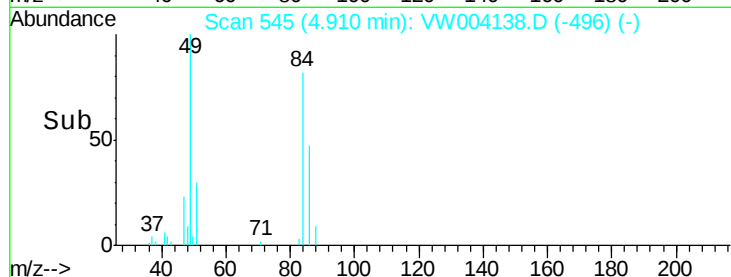
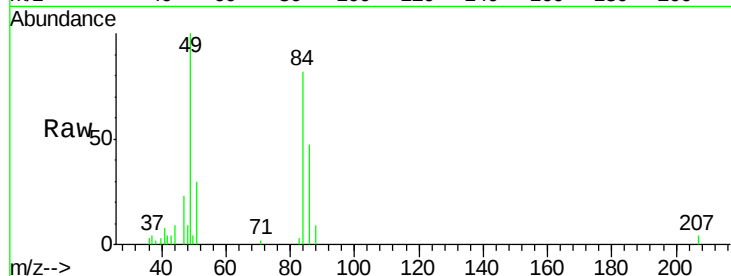




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004138.D
Acq: 23 Jul 2018 15:37

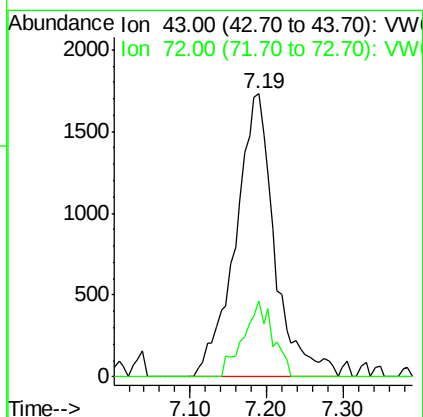
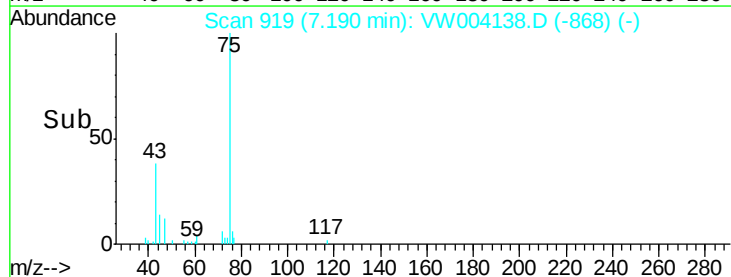
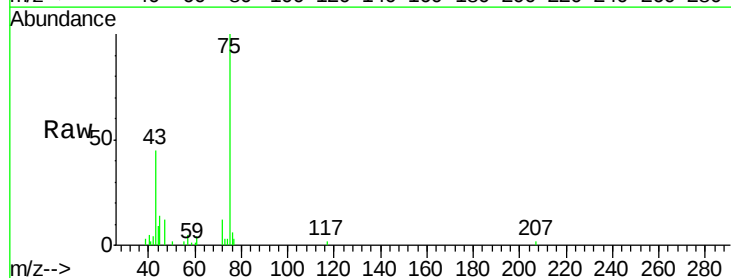
Instrument :
MSVOA_W
ClientSampleId :

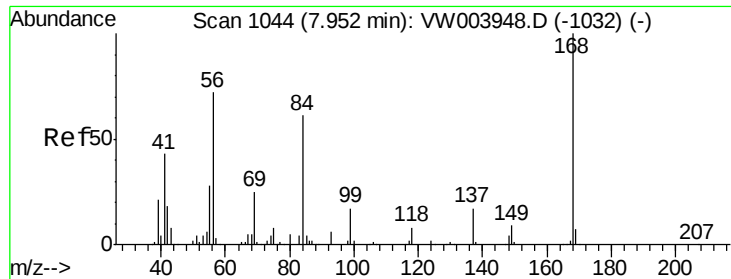
Tot Ion: 84 Resp: 8658
Ion Ratio Lower Upper
84 100
49 122.2 102.9 154.3
51 36.7 30.9 46.3
86 57.7 49.9 74.9



#25
2-Butanone
Concen: 8.161 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW004138.D
Acq: 23 Jul 2018 15:37

Tgt Ion: 43 Resp: 6154
Ion Ratio Lower Upper
43 100
72 26.8 19.8 29.6





#31

Cyclohexane

Concen: 1.321 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :

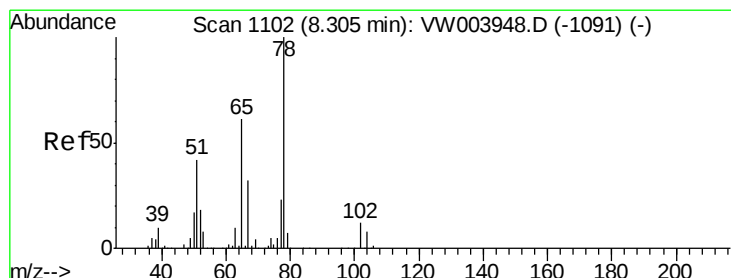
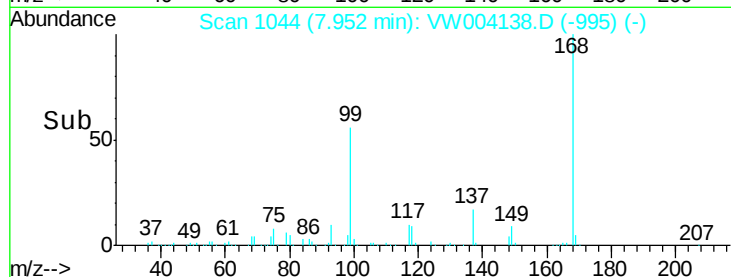
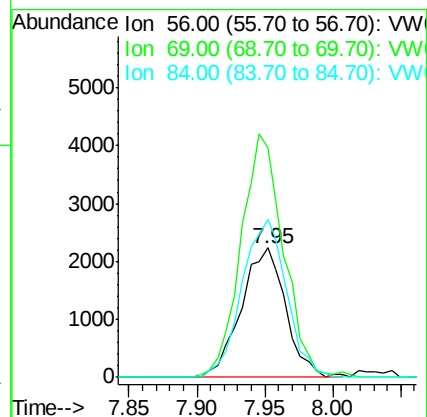
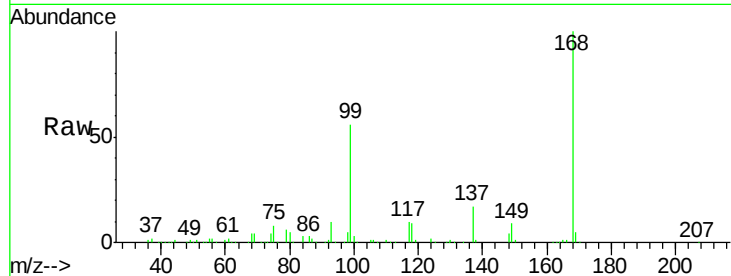
Tot Ion: 56 Resp: 5111

Ion Ratio Lower Upper

56 100

69 177.7 27.8 41.8#

84 122.0 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 43.090 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004138.D

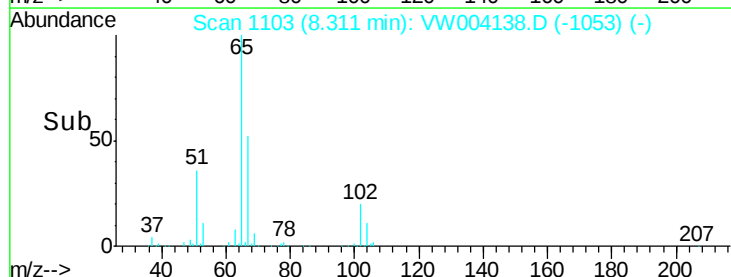
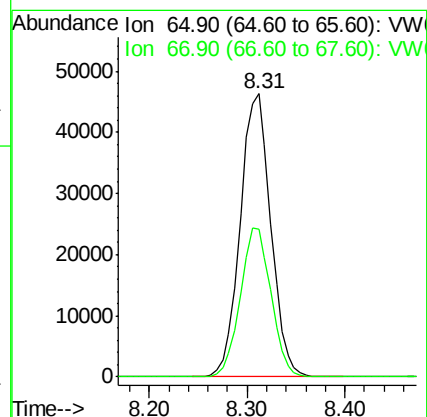
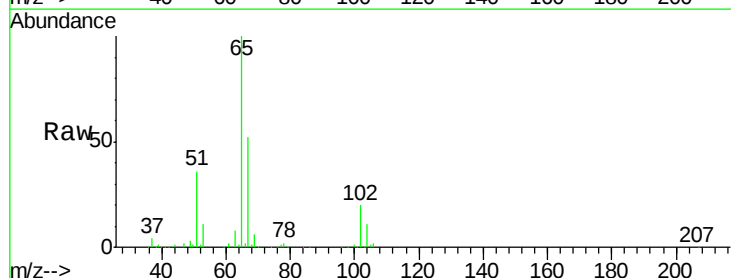
Acq: 23 Jul 2018 15:37

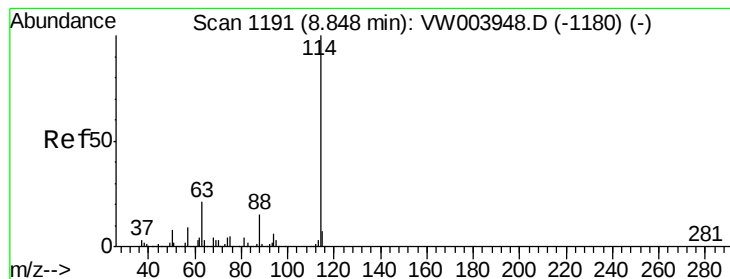
Tgt Ion: 65 Resp: 100475

Ion Ratio Lower Upper

65 100

67 52.8 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: VW004138.D

Acq: 23 Jul 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :

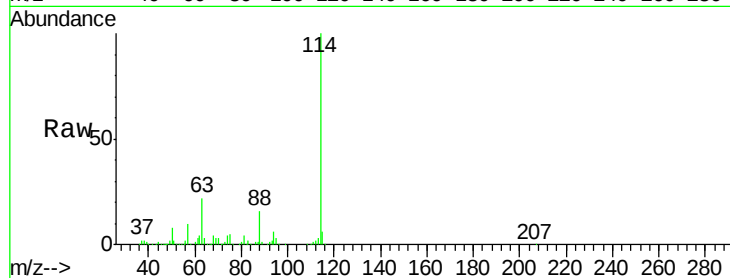
Tot Ion:114 Resp: 351582

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

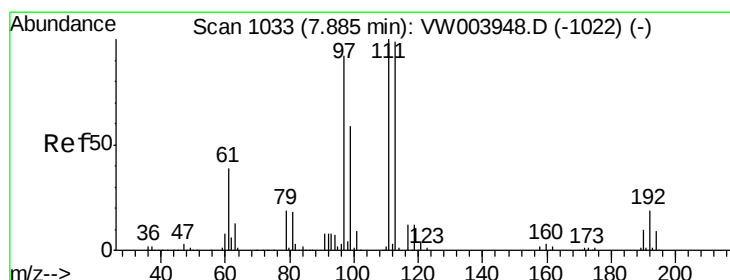
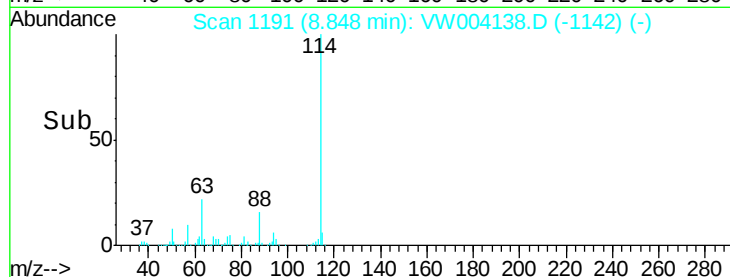
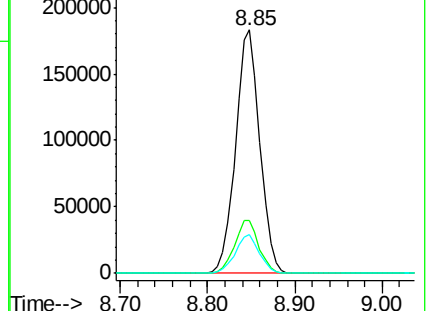
88 15.8 0.0 30.4



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: 21.311 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

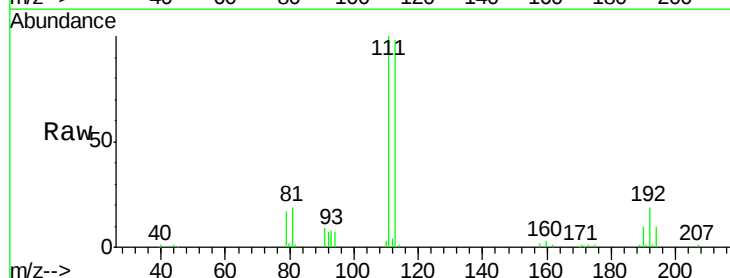
Tgt Ion:113 Resp: 48075

Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

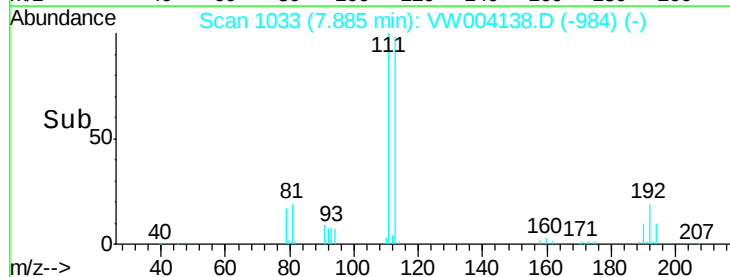
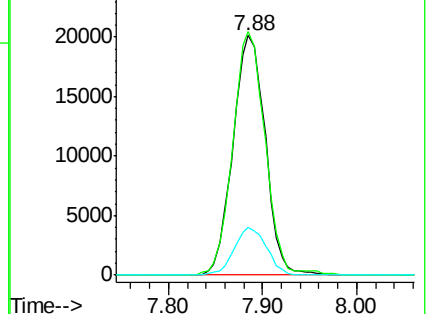
192 19.8 15.8 23.6

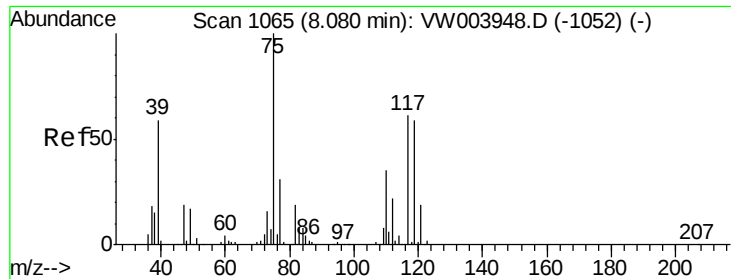


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

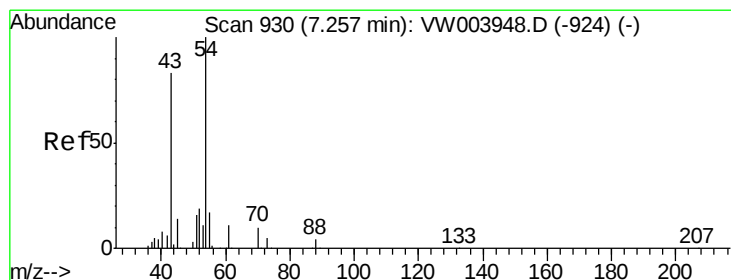
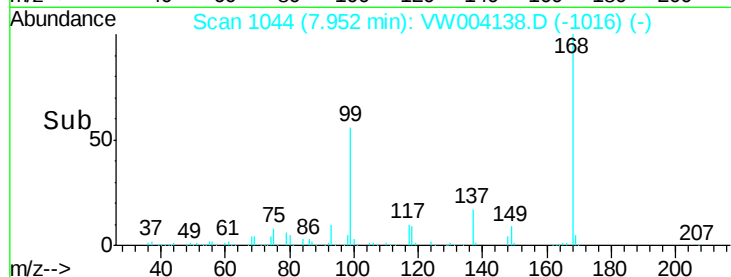
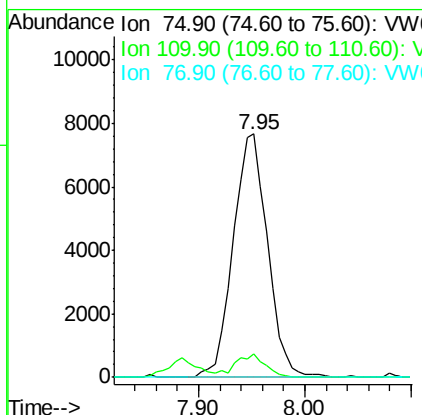
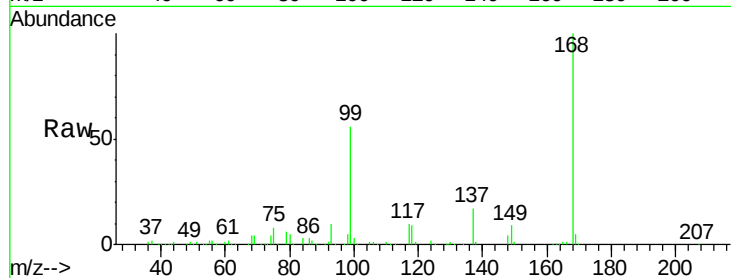




#36
 1,1-Dichloropropene
 Concen: 4.812 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004138.D
 Acq: 23 Jul 2018 15:37

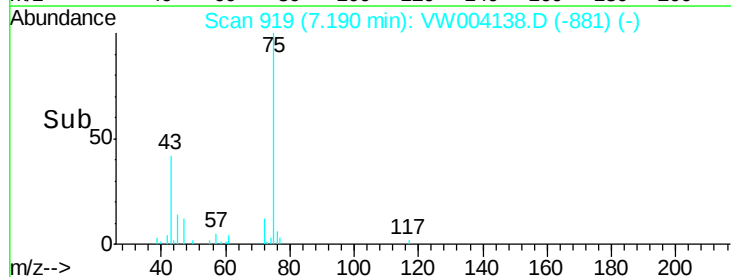
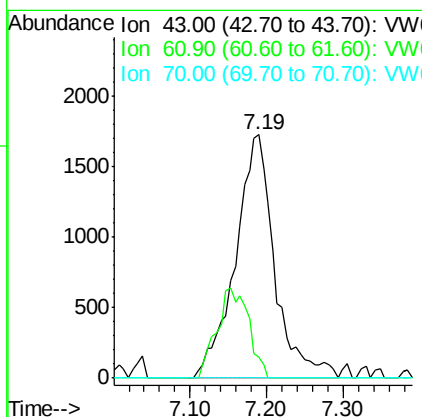
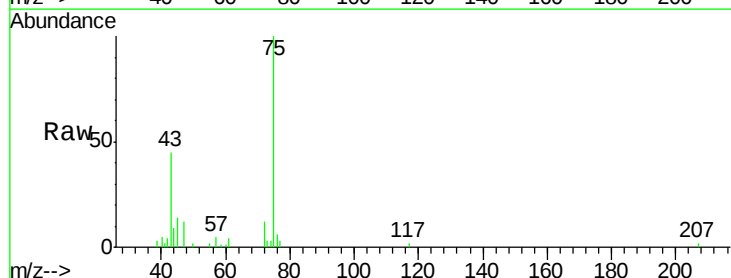
Instrument :
 MSVOA_W
 ClientSampled :

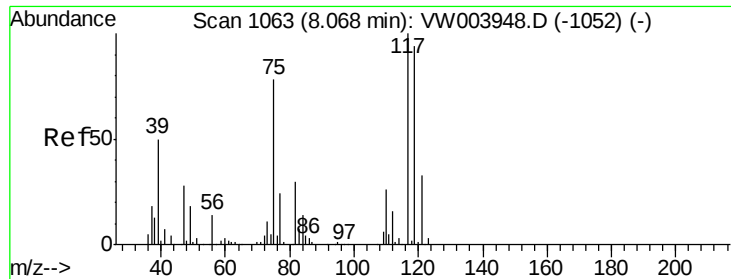
Tot Ion	75	Resp	17405
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	17.0	51.0#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 3.527 ug/l
 RT: 7.19 min Scan# 919
 Delta R.T. -0.07 min
 Lab File: VW004138.D
 Acq: 23 Jul 2018 15:37

Tgt Ion	43	Resp	6154
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.7	11.5#

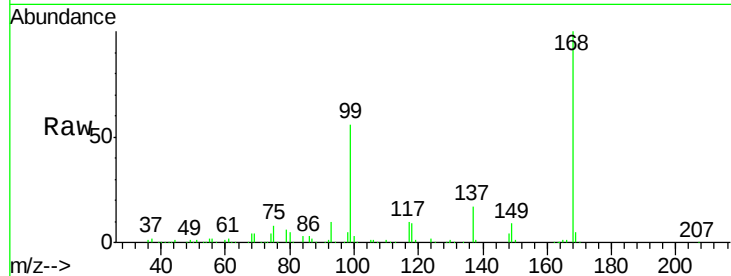




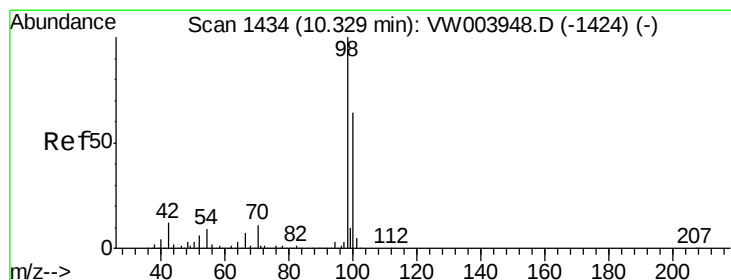
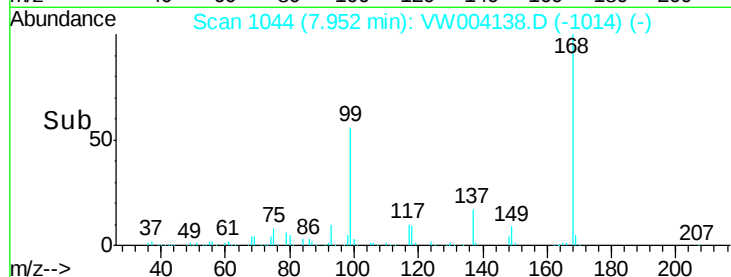
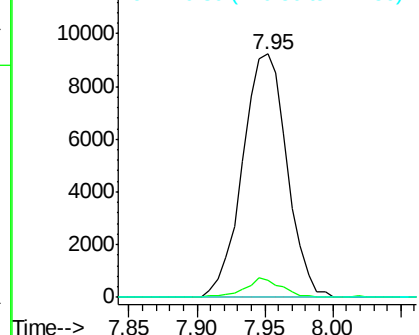
#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004138.D
Acq: 23 Jul 2018 15:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 21076
Ion Ratio Lower Upper
117 100
119 7.0 75.3 112.9#
121 0.0 26.0 39.0#

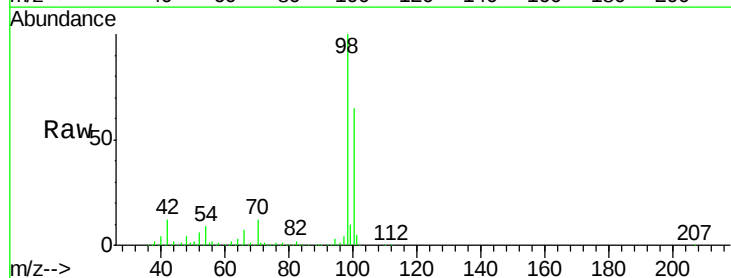


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

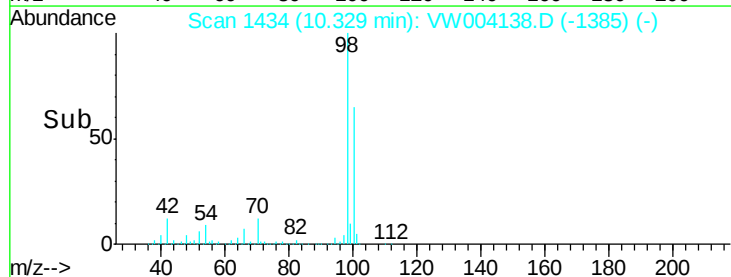
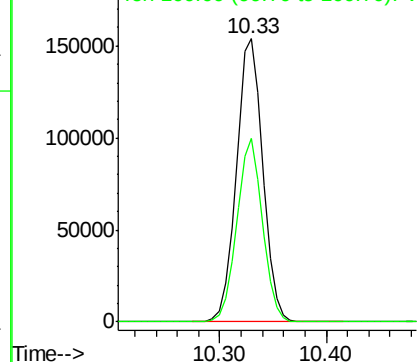


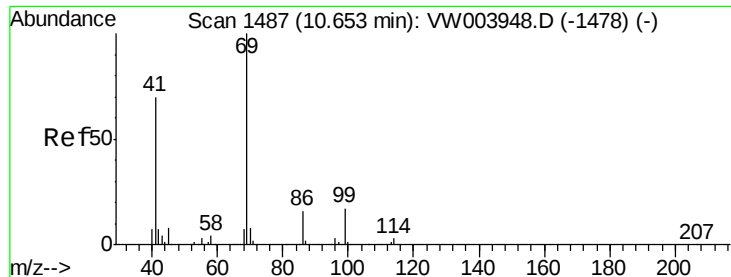
#50
Toluene-d8
Concen: 30.598 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004138.D
Acq: 23 Jul 2018 15:37

Tgt Ion: 98 Resp: 267832
Ion Ratio Lower Upper
98 100
100 62.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.017 ug/l

RT: 10.62 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

Instrument :

MSVOA_W

ClientSampled :

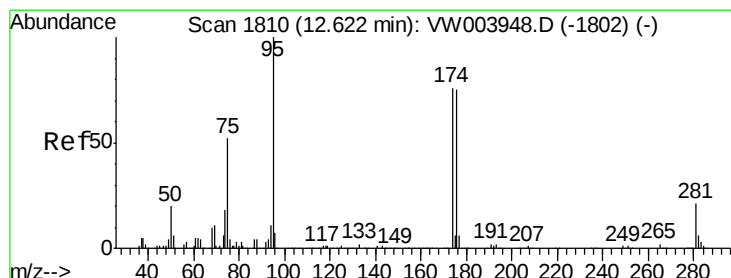
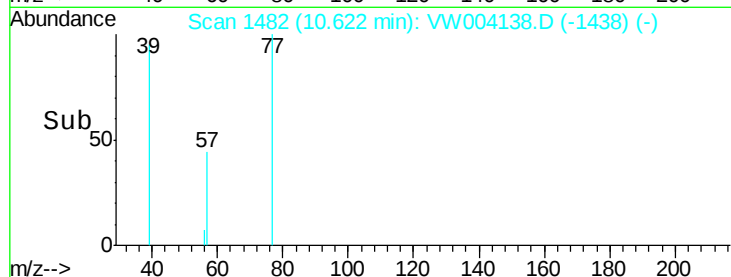
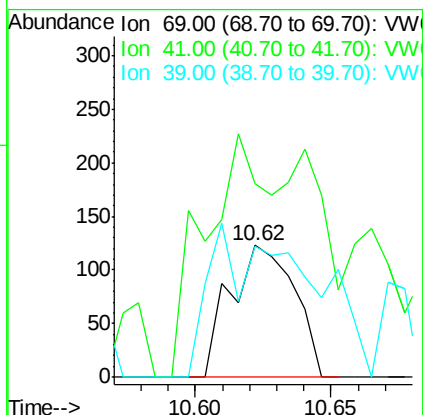
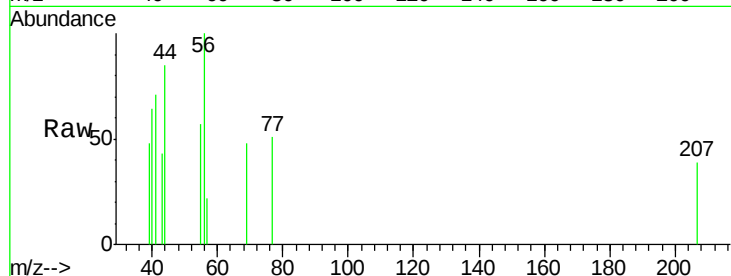
Tot Ion: 69 Resp: 202

Ion Ratio Lower Upper

69 100

41 182.2 56.5 84.7#

39 55.0 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 20.233 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

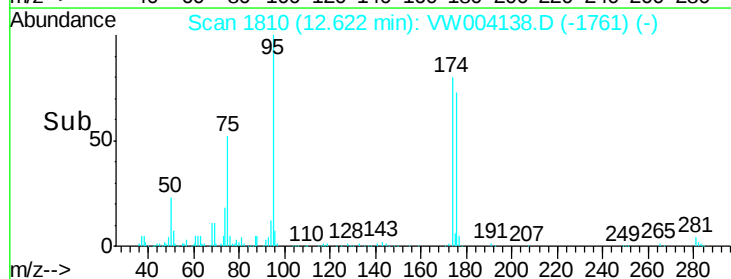
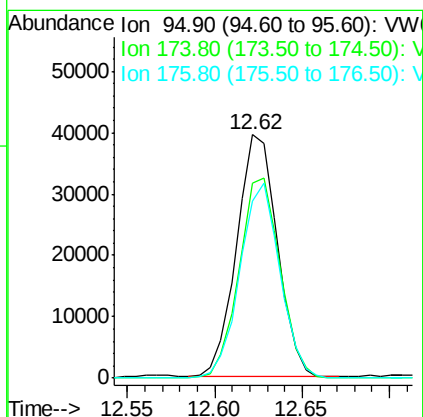
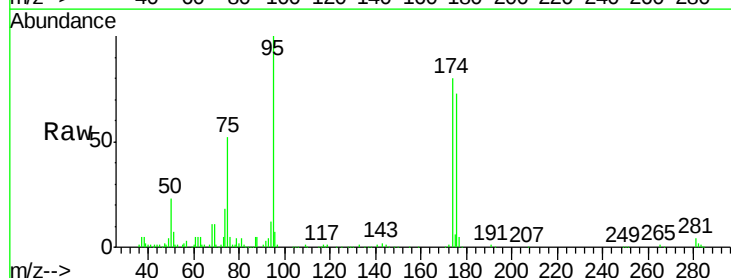
Tgt Ion: 95 Resp: 63864

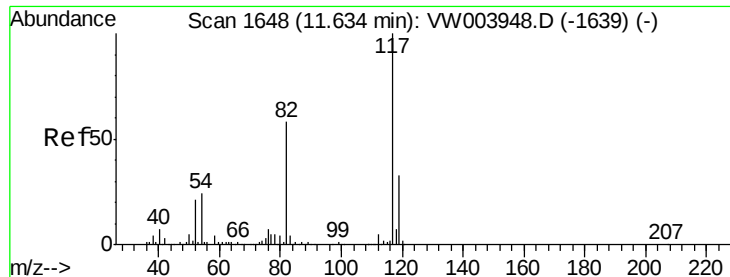
Ion Ratio Lower Upper

95 100

174 83.4 0.0 160.2

176 79.0 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: VW004138.D

Acq: 23 Jul 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :

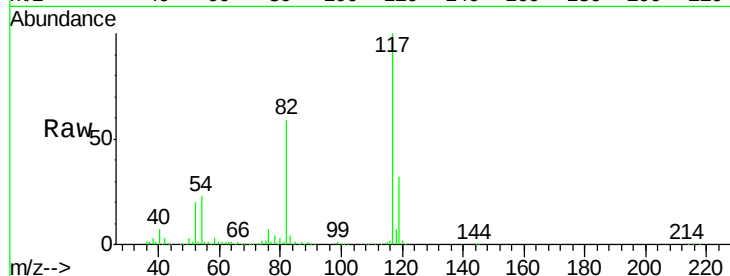
Tot Ion:117 Resp: 253453

Ion Ratio Lower Upper

117 100

82 58.8 46.5 69.7

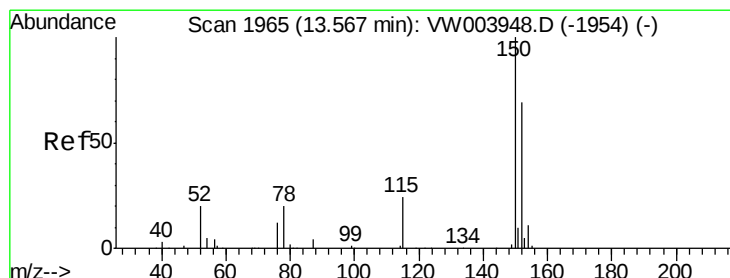
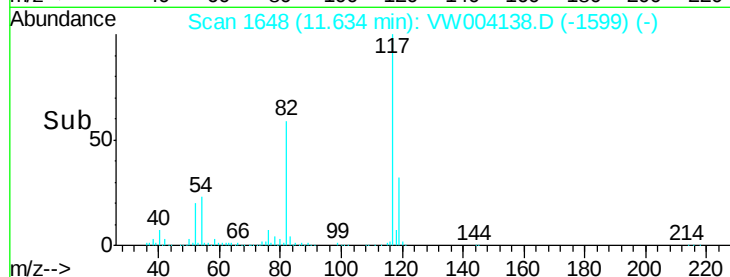
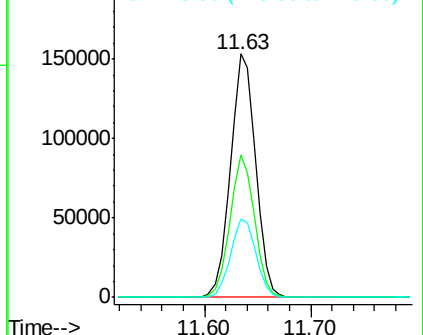
119 32.2 26.2 39.2



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# 1965

Delta R.T. 0.00 min

Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

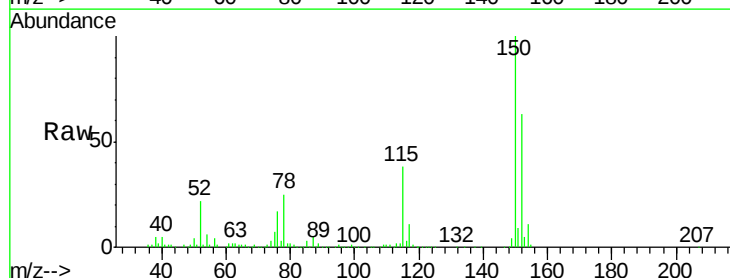
Tgt Ion:152 Resp: 69668

Ion Ratio Lower Upper

152 100

115 59.1 29.2 87.6

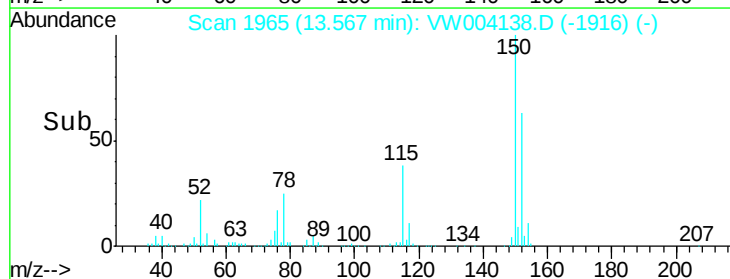
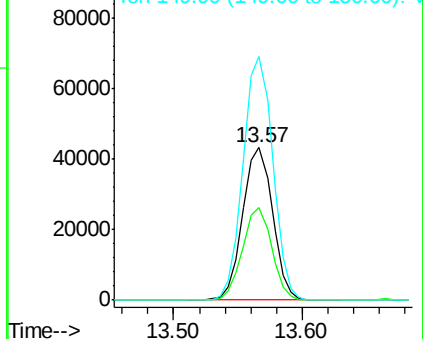
150 158.7 0.0 345.2

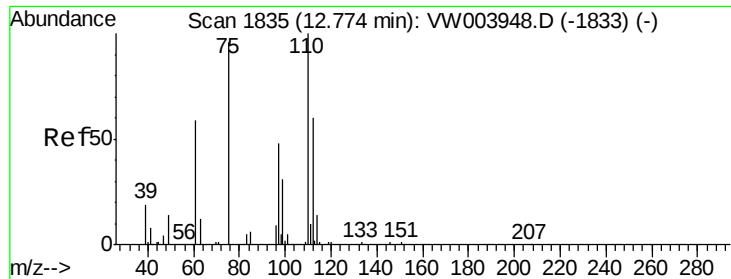


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

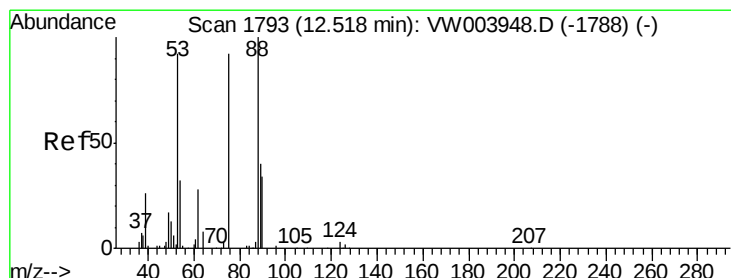
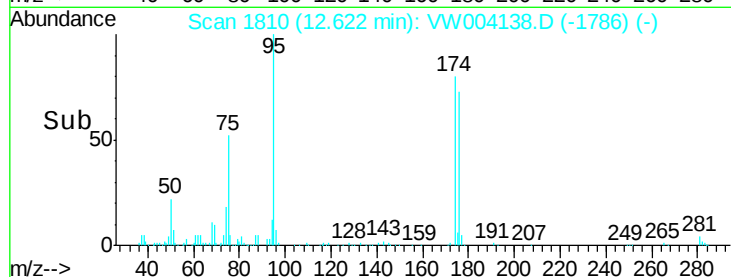
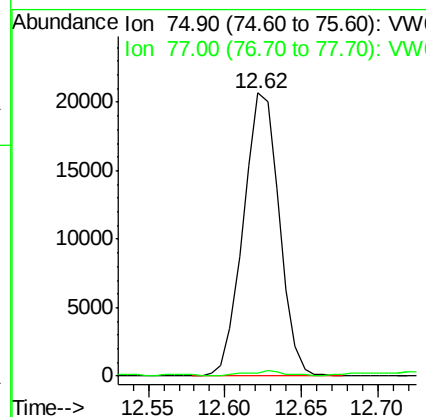
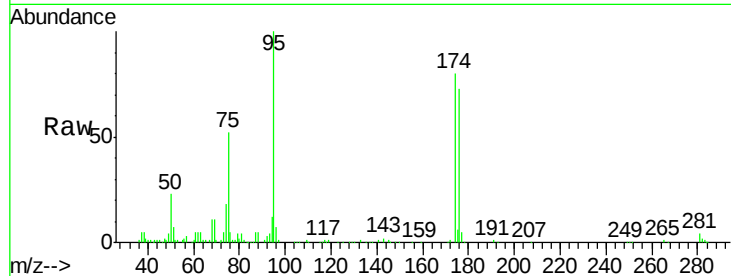




#76
 1,2,3-Trichloropropane
 Concen: 48.858 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004138.D
 Acq: 23 Jul 2018 15:37

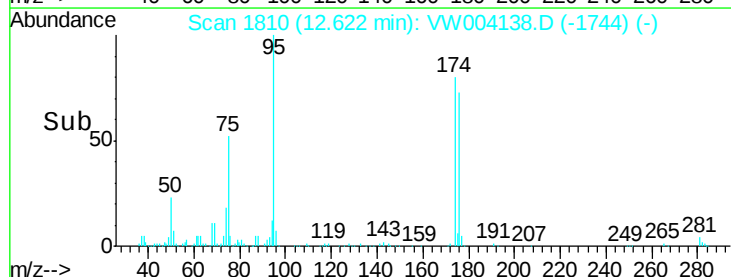
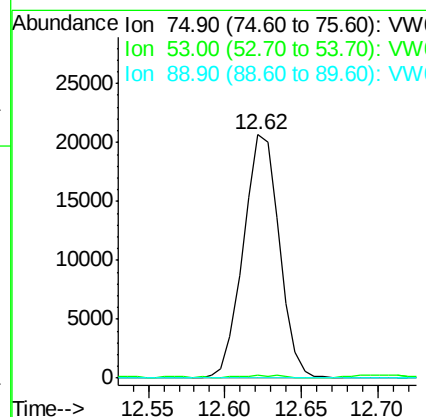
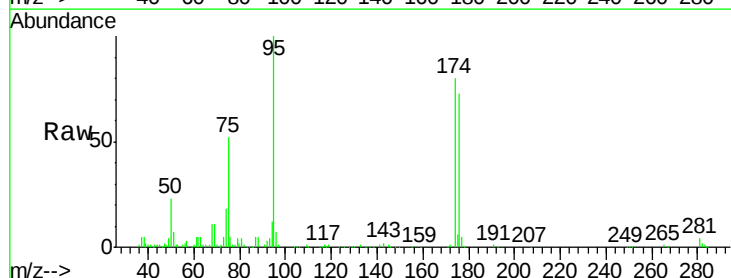
Instrument :
 MSVOA_W
 ClientSampleId :

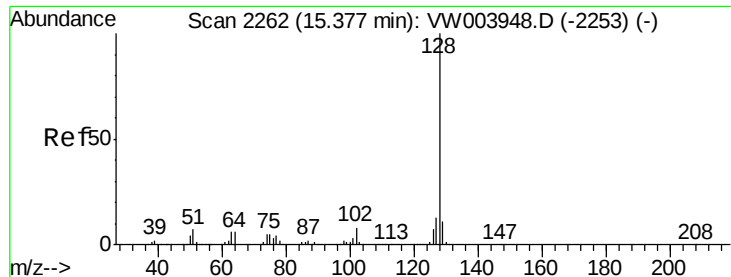
Tot Ion: 75 Resp: 33792
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.072 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004138.D
 Acq: 23 Jul 2018 15:37

Tgt Ion: 75 Resp: 33792
 Ion Ratio Lower Upper
 75 100
 53 1.3 77.6 116.4#
 89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 1.061 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

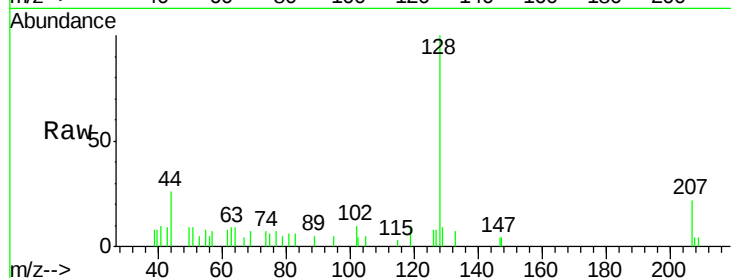
Lab File: VW004138.D

Acq: 23 Jul 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :



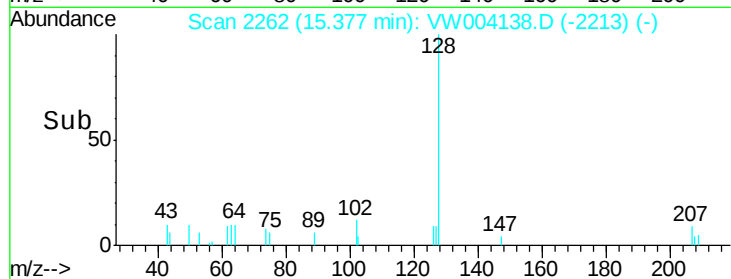
Tot Ion:128 Resp: 2884

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

129 12.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

