

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004007.D
 Acq On : 18 Jul 2018 03:01
 Operator : VA/AP
 Sample : J3820-03RE
 Misc : 6.89G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BU-02-071218RE

Quant Time: Jul 18 04:53:50 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	154241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	289565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	234386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	113333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139506	80.92	ug/l	0.00
Spiked Amount						
			Recovery	=	161.84%	
35) Dibromofluoromethane	7.89	113	118330	63.69	ug/l	0.00
Spiked Amount						
			Recovery	=	127.38%	
50) Toluene-d8	10.33	98	287580	39.89	ug/l	0.00
Spiked Amount						
			Recovery	=	79.78%	
62) 4-Bromofluorobenzene	12.62	95	144977	55.77	ug/l	0.00
Spiked Amount						
			Recovery	=	111.54%	

Target Compounds

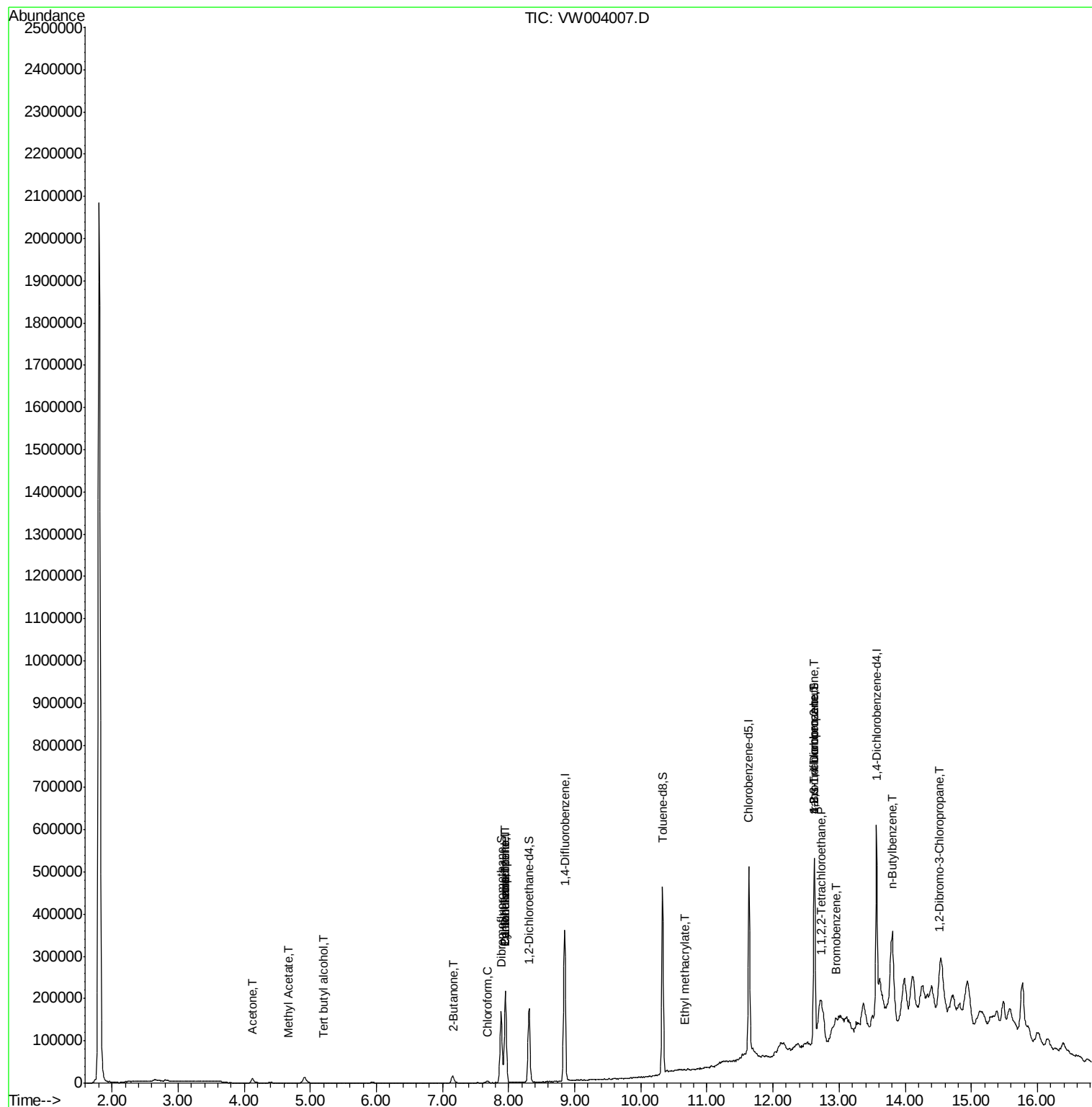
					Qvalue
11) Tert butyl alcohol	5.20	59	409	3.436 ug/l #	72
16) Acetone	4.12	43	16828	40.618 ug/l	100
18) Methyl Acetate	4.67	43	1237	1.244 ug/l #	70
20) Methylene Chloride	4.91	84	11322	Below Cal	95
25) 2-Butanone	7.17	43	1207	2.165 ug/l #	84
30) Chloroform	7.68	83	3770	1.242 ug/l	98
31) Cyclohexane	7.95	56	4061	1.420 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13241	4.444 ug/l #	52
38) Carbon Tetrachloride	7.95	117	15899	5.711 ug/l #	18
56) Ethyl methacrylate	10.66	69	198	3.031 ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.73	83	43361	27.997 ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	74305	66.041 ug/l #	100
77) Bromobenzene	12.96	156	55655	29.043 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	74305	146.081 ug/l #	11
89) n-Butylbenzene	13.79	91	8422	1.163 ug/l #	38
92) 1,2-Dibromo-3-Chloropropan	14.51	75	411	1.492 ug/l #	3

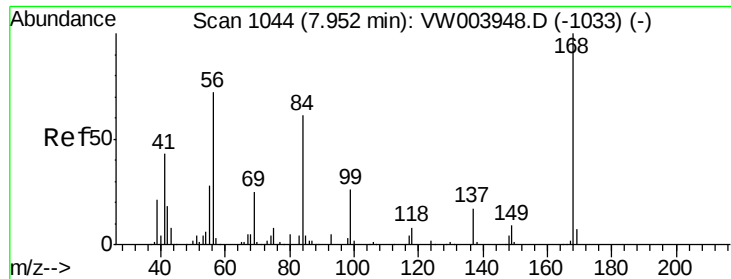
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW004007.D

Acq: 18 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

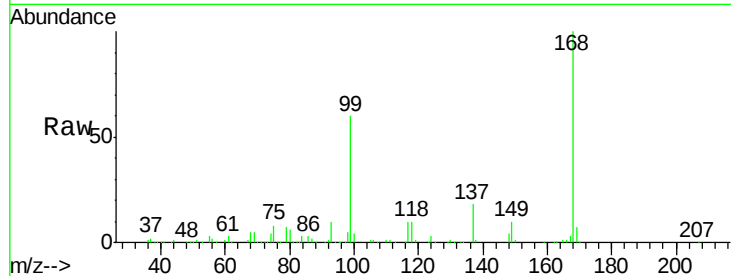
BU-02-071218RE

Tot Ion:168 Resp: 154241

Ion Ratio Lower Upper

168 100

99 60.2 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

80000

60000

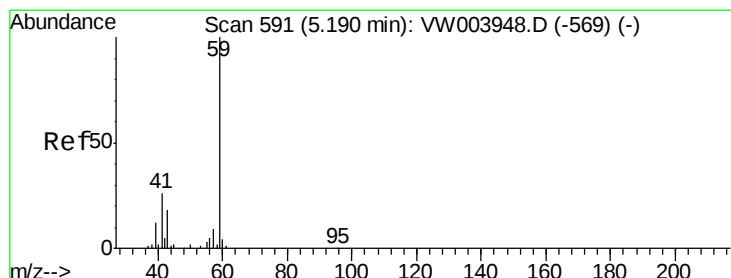
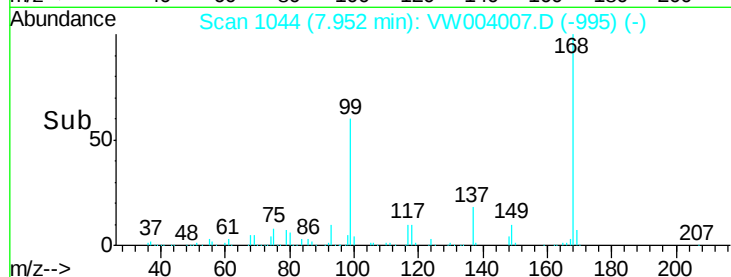
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.436 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW004007.D

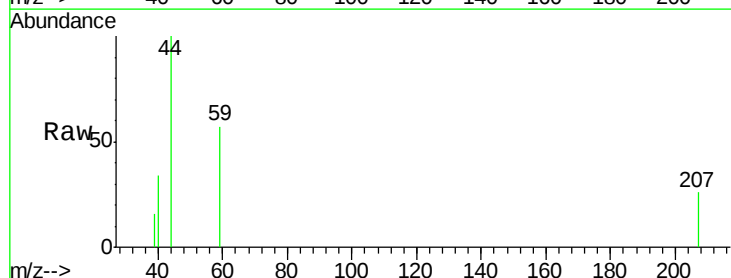
Acq: 18 Jul 2018 03:01

Tgt Ion: 59 Resp: 409

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

5.20

200

150

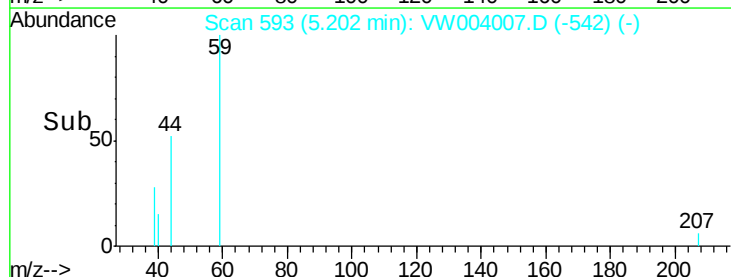
100

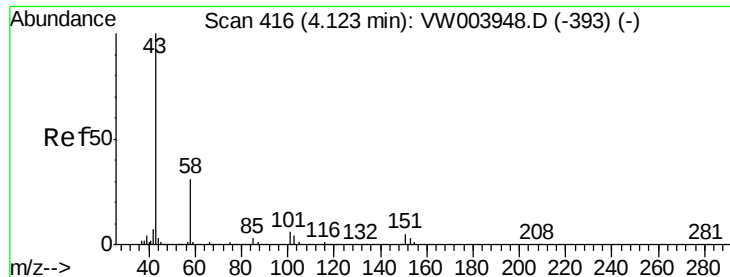
50

0

5.15 5.20

Time-->





#16

Acetone

Concen: 40.618 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

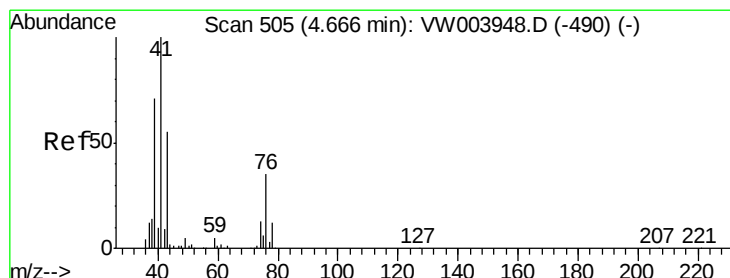
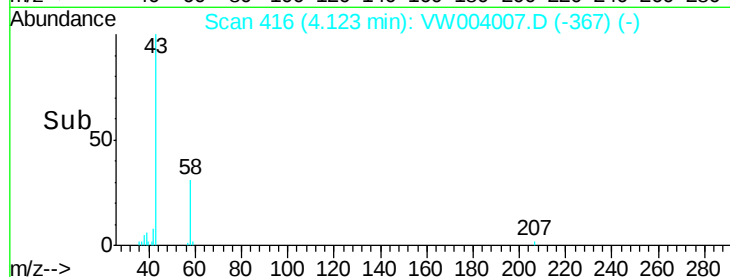
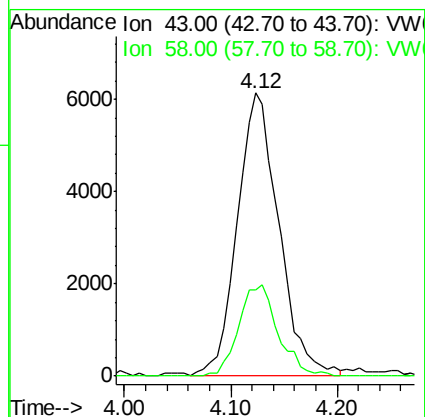
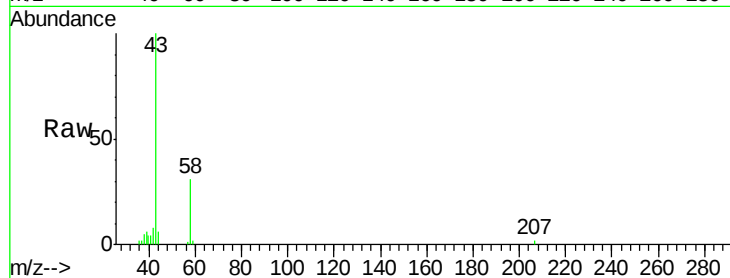
BU-02-071218RE

Tot Ion: 43 Resp: 16828

Ion Ratio Lower Upper

43 100

58 30.6 24.5 36.7



#18

Methyl Acetate

Concen: 1.244 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004007.D

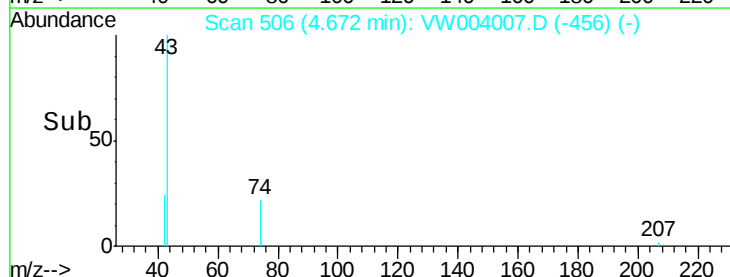
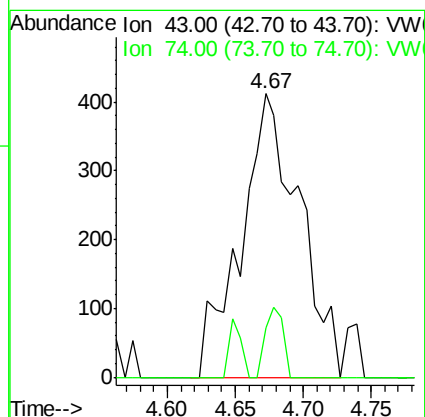
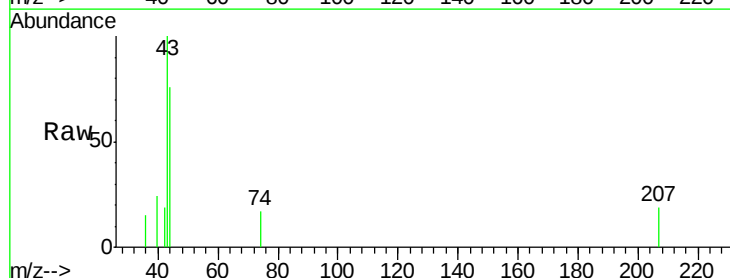
Acq: 18 Jul 2018 03:01

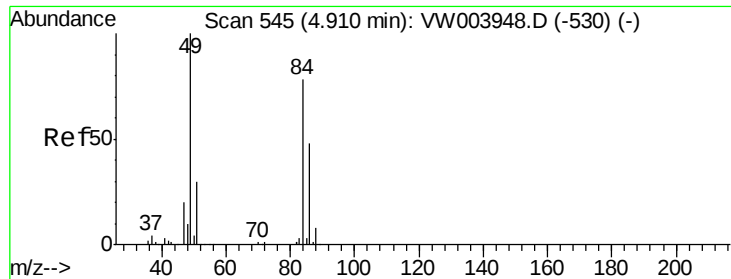
Tgt Ion: 43 Resp: 1237

Ion Ratio Lower Upper

43 100

74 7.7 17.7 26.5#



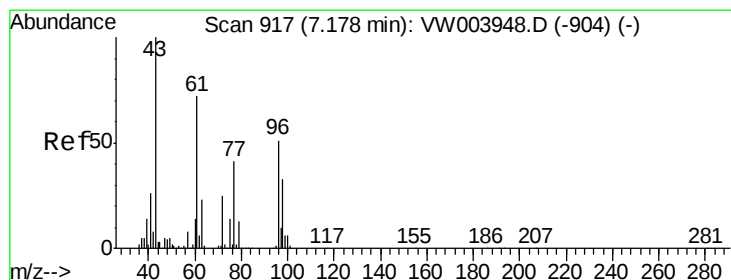
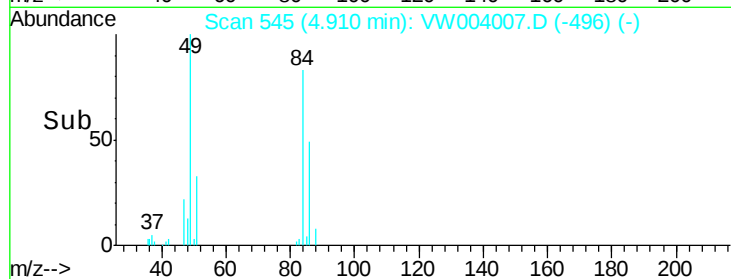
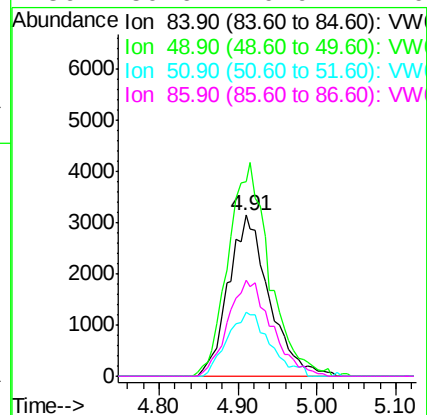
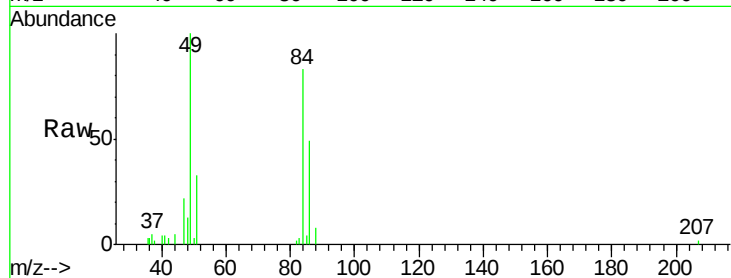


#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

Instrument :
MSVOA_W
ClientSampleId :
BU-02-071218RE

Tot Ion: 84 Resp: 11322

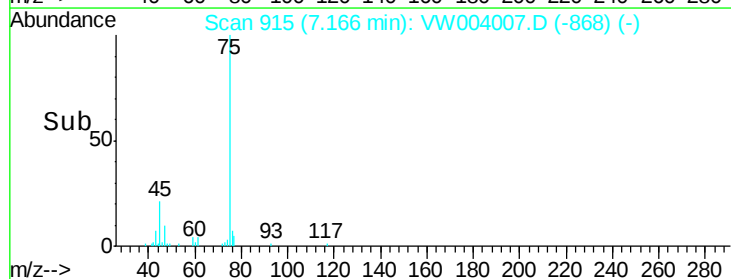
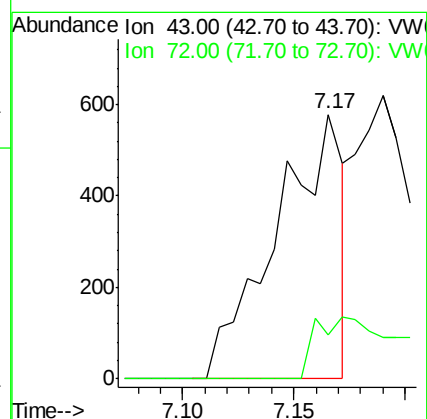
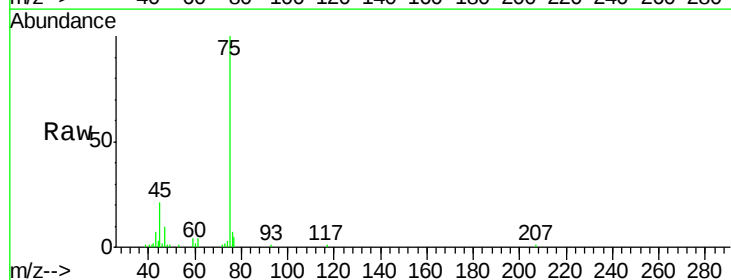
Ion	Ratio	Lower	Upper
84	100		
49	120.8	102.9	154.3
51	39.7	30.9	46.3
86	59.6	49.9	74.9

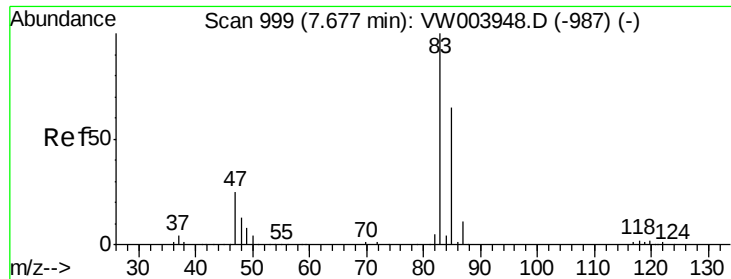


#25
2-Butanone
Concen: 2.165 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

Tgt Ion: 43 Resp: 1207

Ion	Ratio	Lower	Upper
43	100		
72	16.6	19.8	29.6#

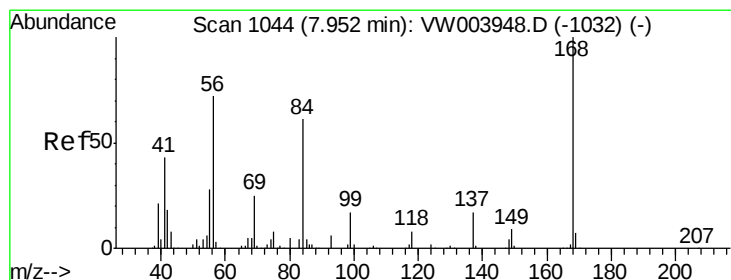
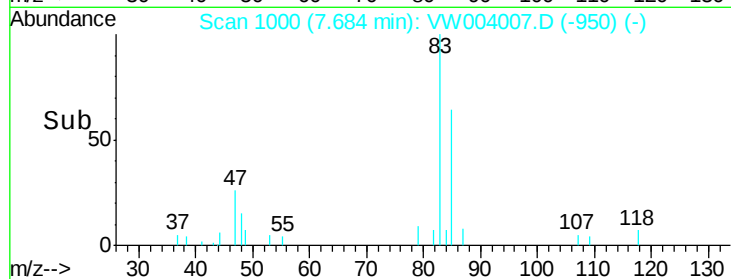
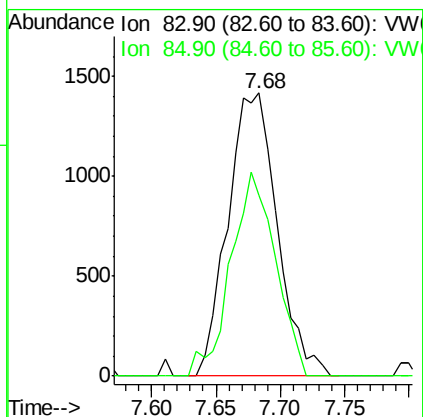
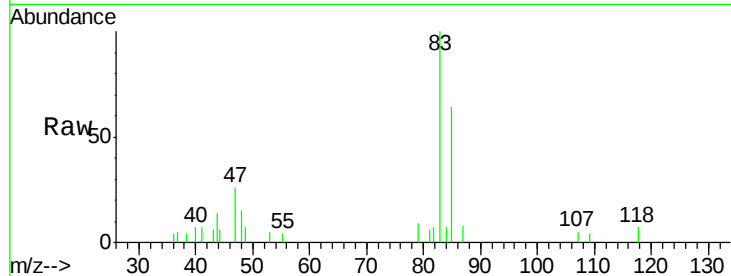




#30
Chloroform
Concen: 1.242 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

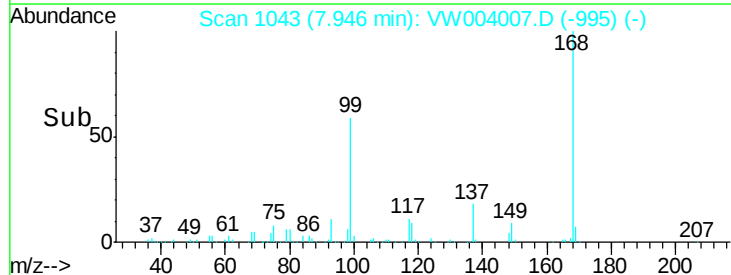
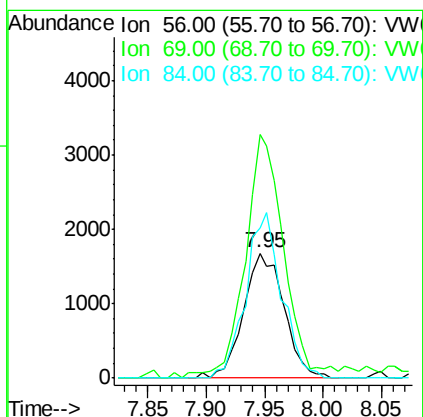
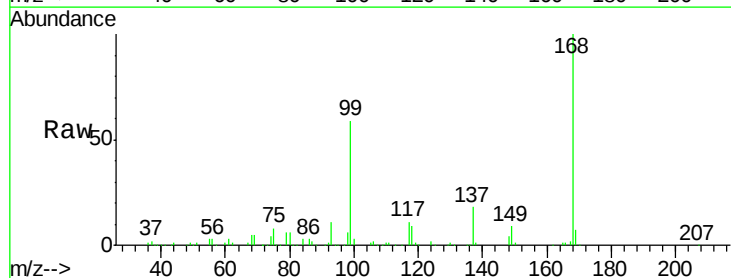
Instrument :
MSVOA_W
ClientSampleId :
BU-02-071218RE

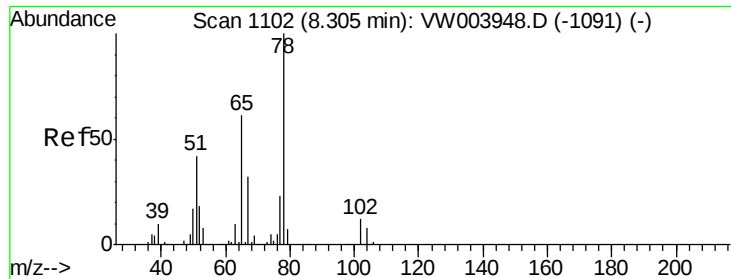
Tot Ion: 83 Resp: 3770
Ion Ratio Lower Upper
83 100
85 63.9 52.2 78.4



#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

Tgt Ion: 56 Resp: 4061
Ion Ratio Lower Upper
56 100
69 190.6 27.8 41.8#
84 120.9 67.2 100.8#

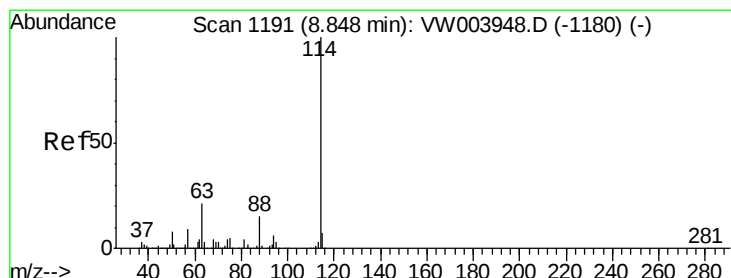
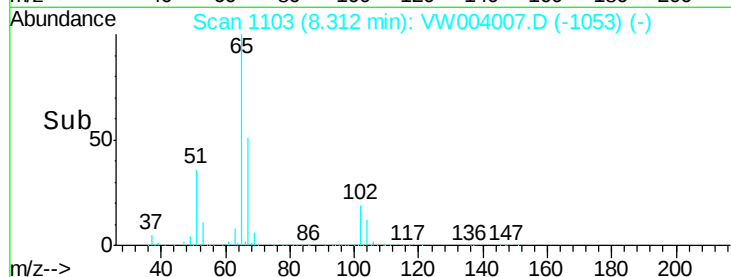
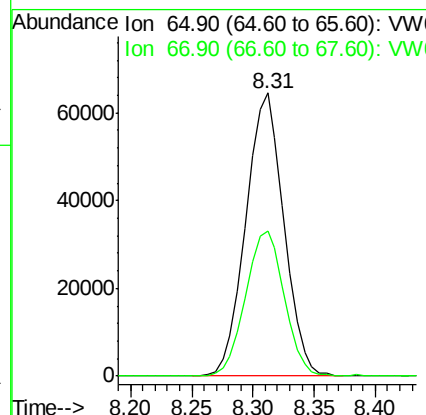
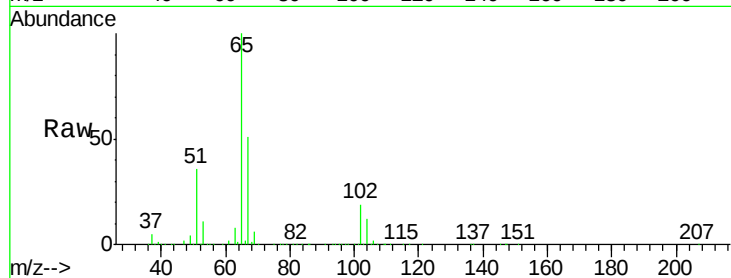




#33
 1,2-Dichloroethane-d4
 Concen: 80.915 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004007.D
 Acq: 18 Jul 2018 03:01

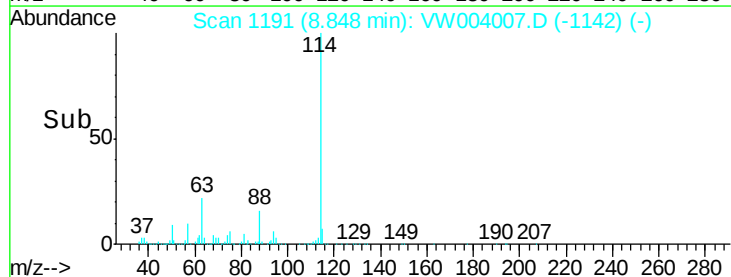
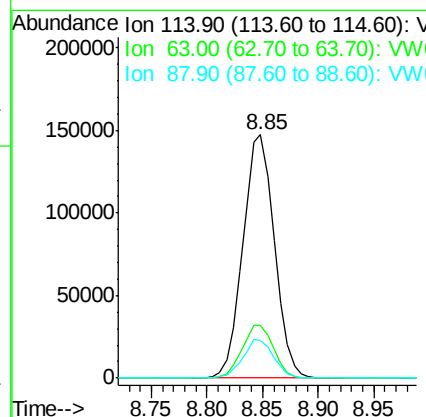
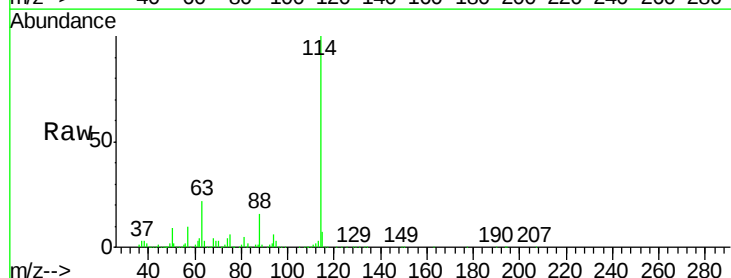
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 BU-02-071218RE

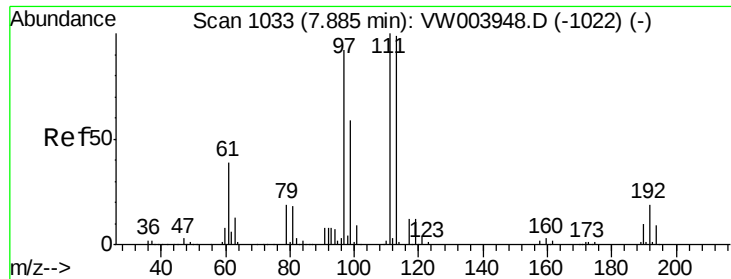
Tot Ion: 65 Resp: 139506
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004007.D
 Acq: 18 Jul 2018 03:01

Tgt Ion: 114 Resp: 289565
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.8
 88 15.6 0.0 30.4

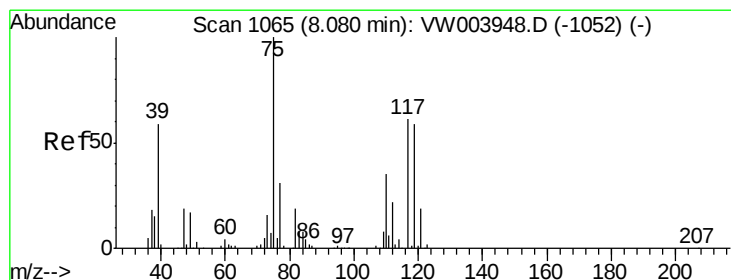
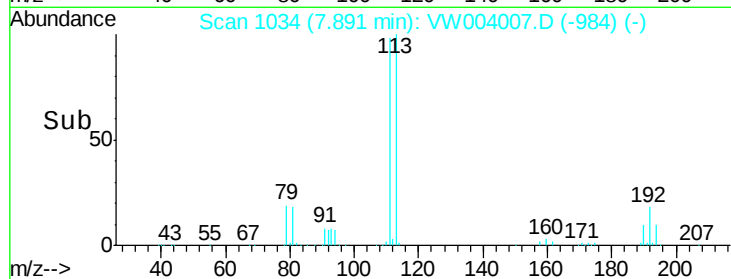
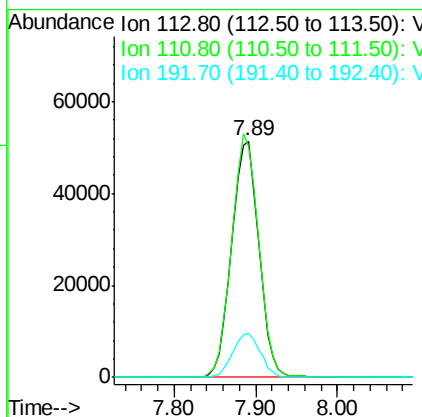
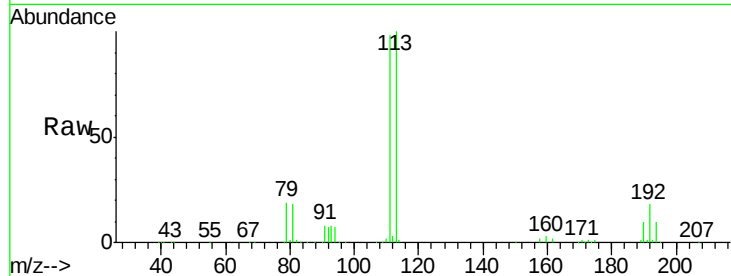




#35
 Dibromofluoromethane
 Concen: 63.690 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004007.D
 Acq: 18 Jul 2018 03:01

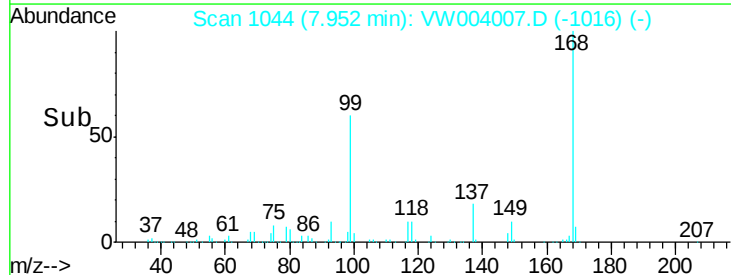
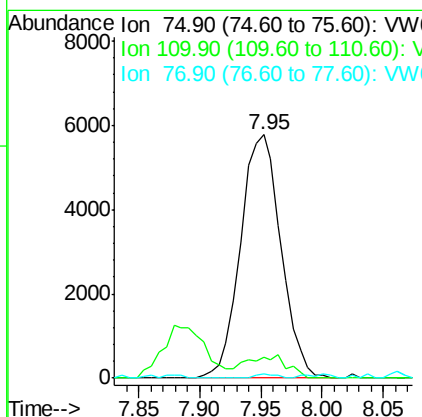
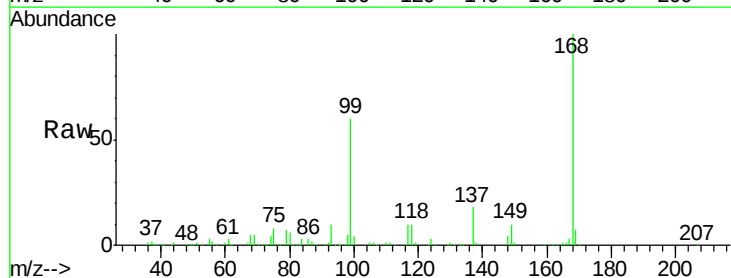
Instrument :
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 BU-02-071218RE

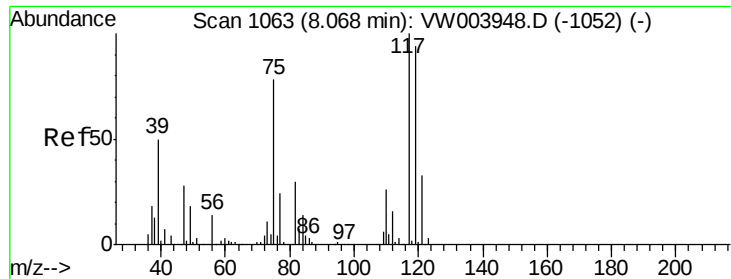
Tot Ion:113 Resp: 118330
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.3 121.9
 192 19.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004007.D
 Acq: 18 Jul 2018 03:01

Tgt Ion: 75 Resp: 13241
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 51.0#
 77 0.9 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.711 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

BU-02-071218RE

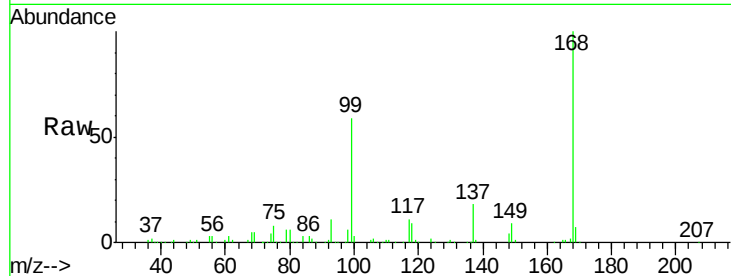
Tot Ion:117 Resp: 15899

Ion Ratio Lower Upper

117 100

119 7.0 75.3 112.9#

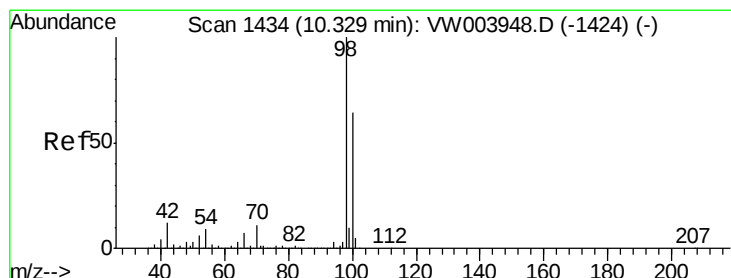
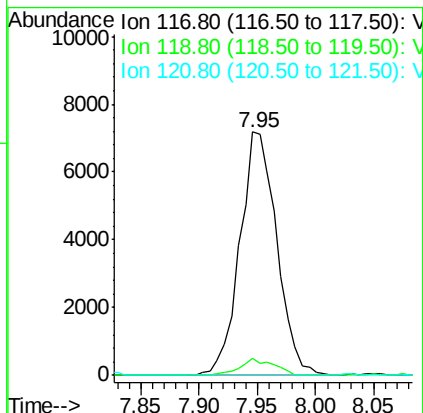
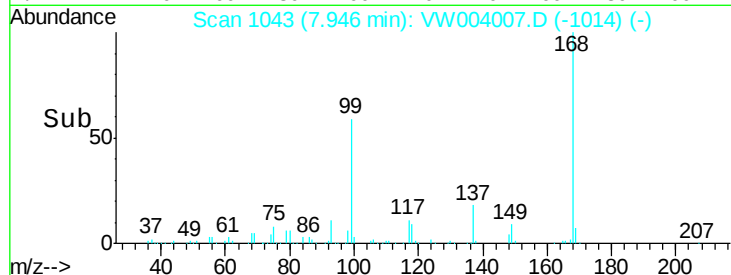
121 0.0 26.0 39.0#



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: 39.891 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004007.D

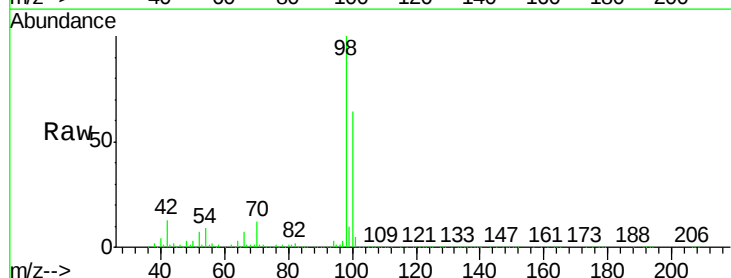
Acq: 18 Jul 2018 03:01

Tgt Ion: 98 Resp: 287580

Ion Ratio Lower Upper

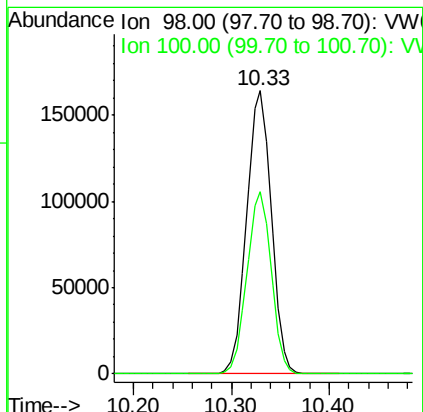
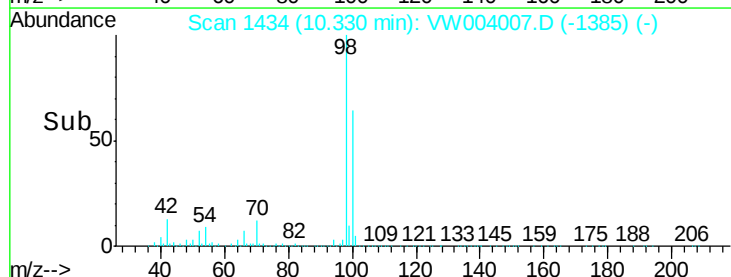
98 100

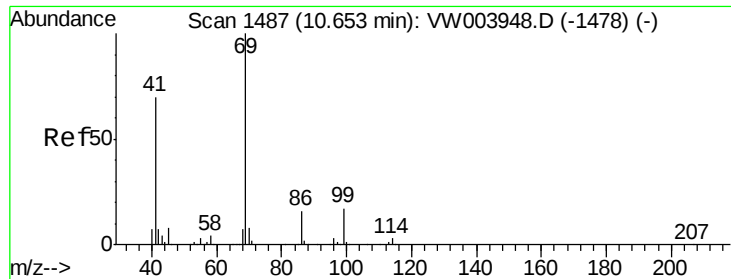
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.031 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

BU-02-071218RE

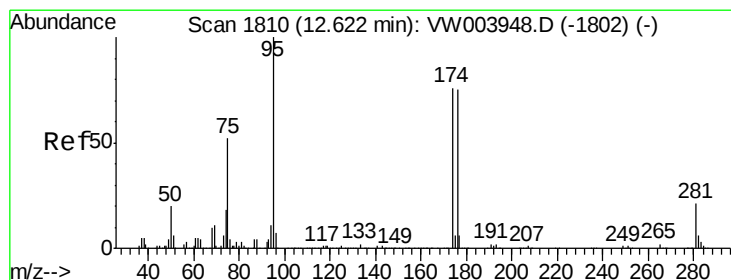
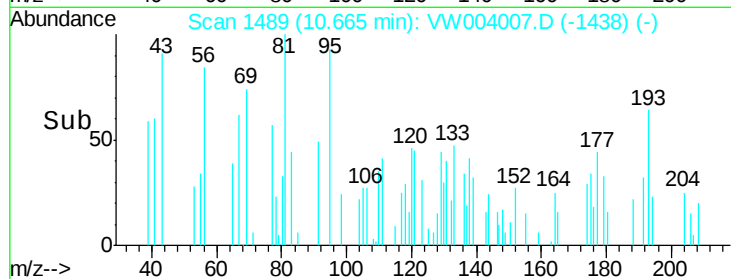
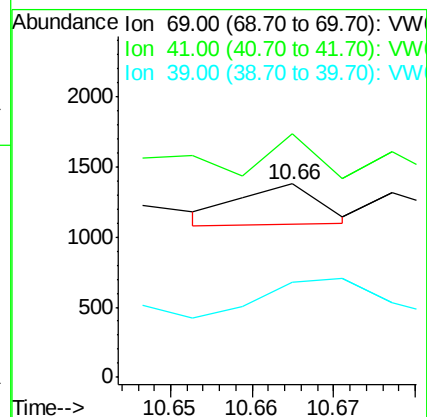
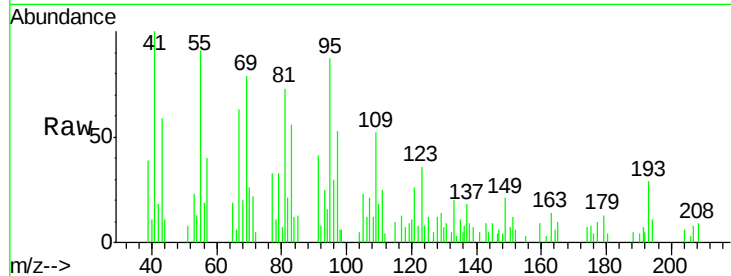
Tot Ion: 69 Resp: 198

Ion Ratio Lower Upper

69 100

41 0.0 56.5 84.7#

39 136.4 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 55.768 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

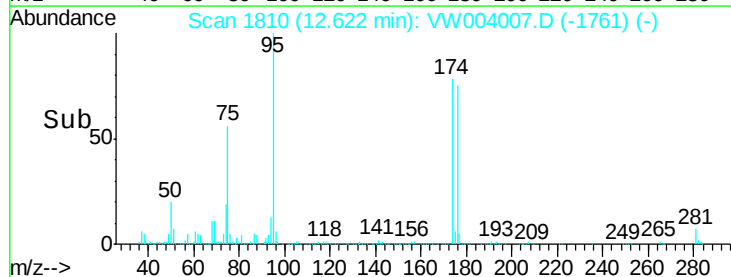
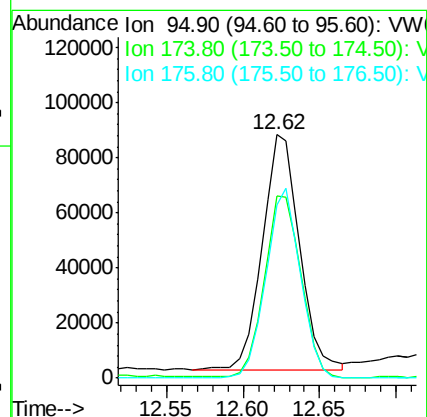
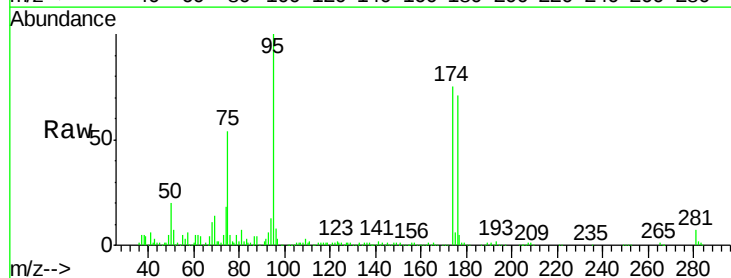
Tgt Ion: 95 Resp: 144977

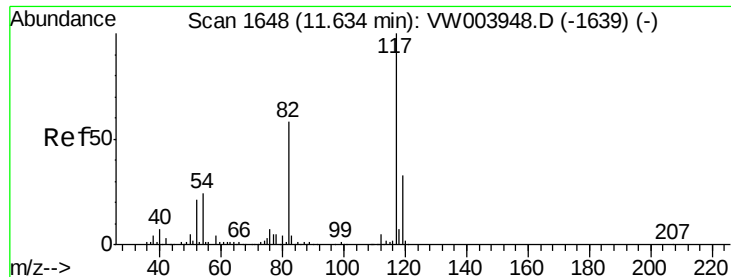
Ion Ratio Lower Upper

95 100

174 75.7 0.0 160.2

176 74.6 0.0 155.8

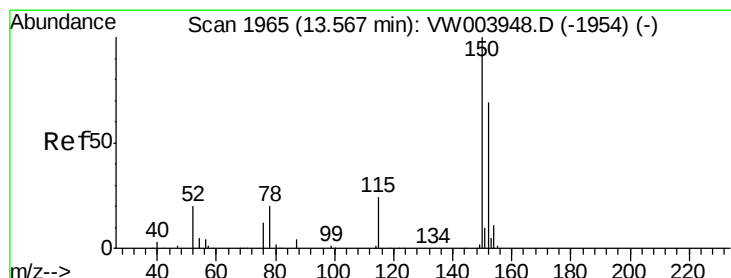
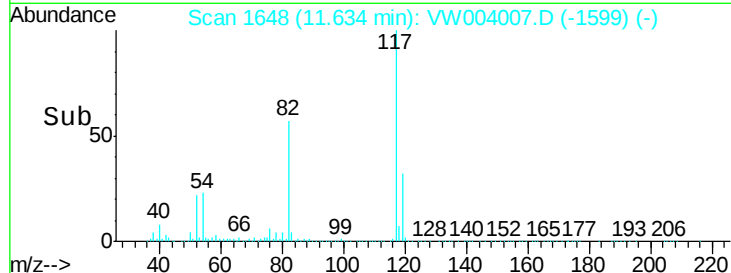
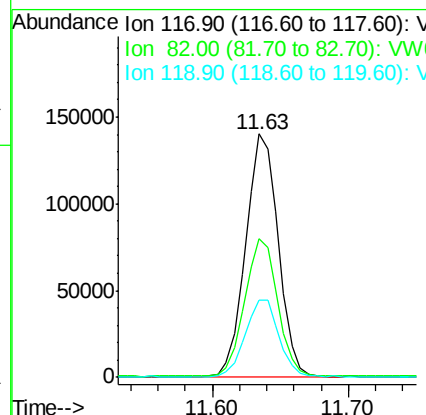
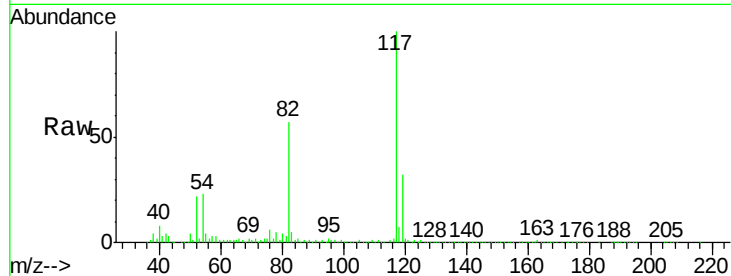




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

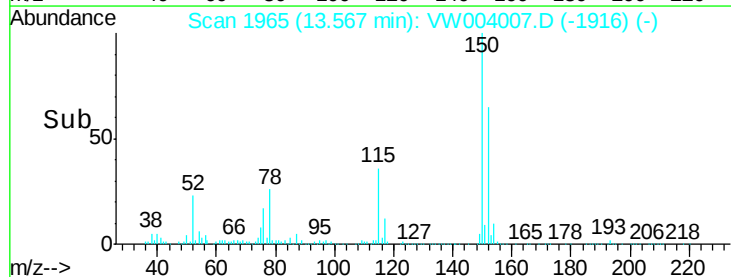
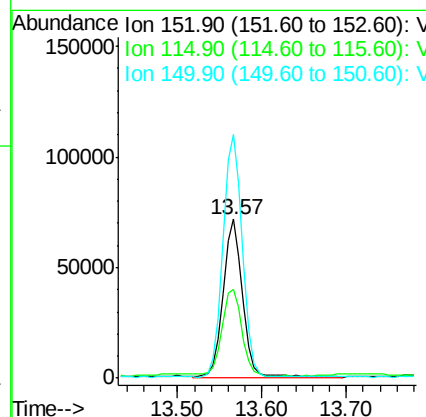
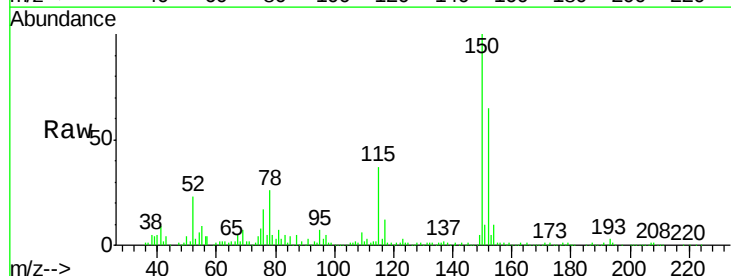
Instrument :
MSVOA_W
ClientSampleId :
BU-02-071218RE

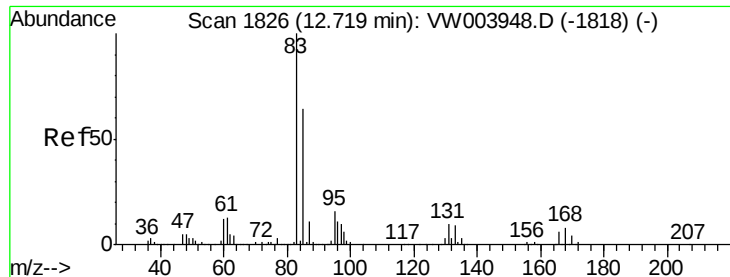
Tot Ion:117 Resp: 234386
Ion Ratio Lower Upper
117 100
82 56.5 46.5 69.7
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

Tgt Ion:152 Resp: 113333
Ion Ratio Lower Upper
152 100
115 57.5 29.2 87.6
150 153.2 0.0 345.2





#75

1,1,2,2-Tetrachloroethane

Concen: 27.997 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

BU-02-071218RE

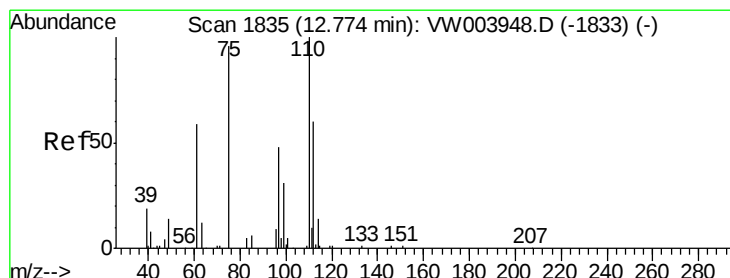
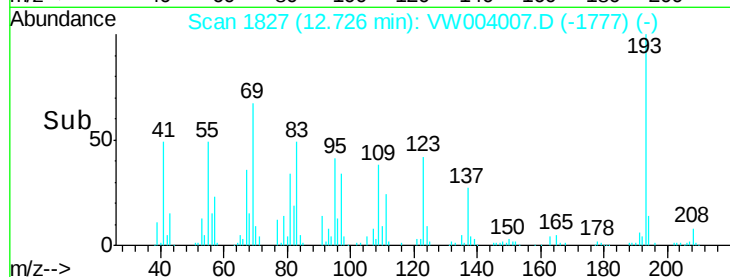
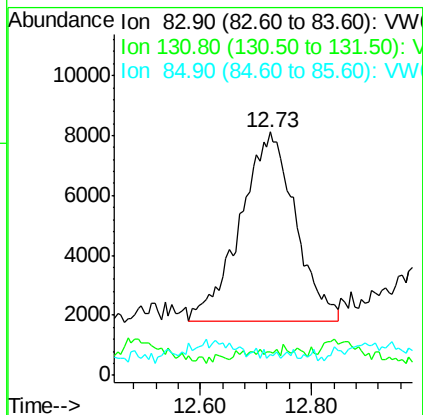
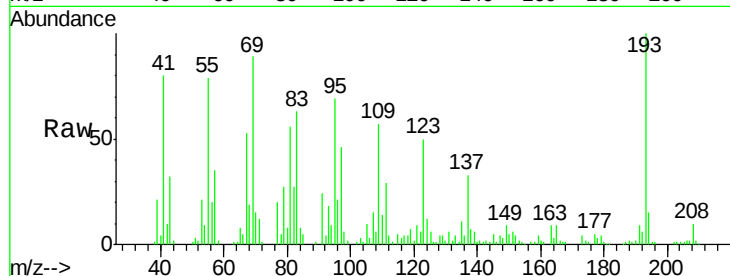
Tot Ion: 83 Resp: 43361

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 0.0 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 66.041 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004007.D

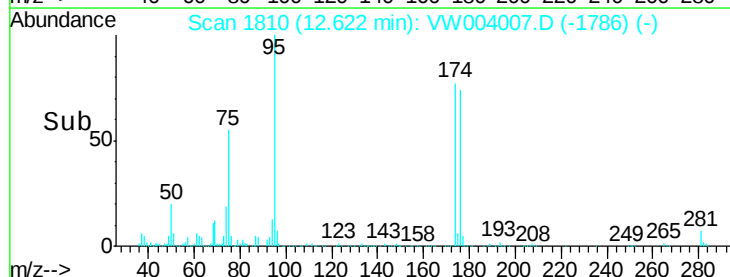
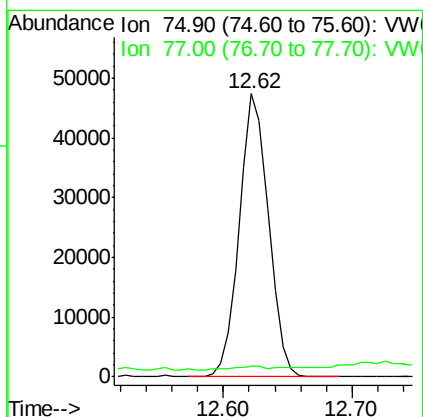
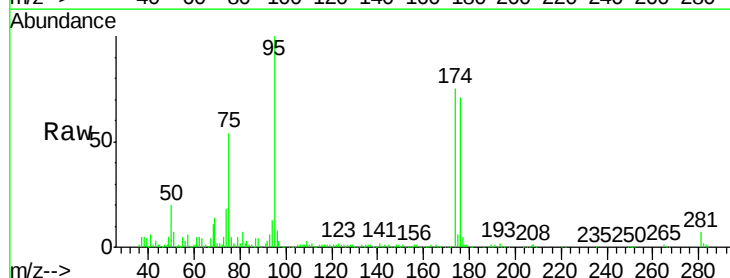
Acq: 18 Jul 2018 03:01

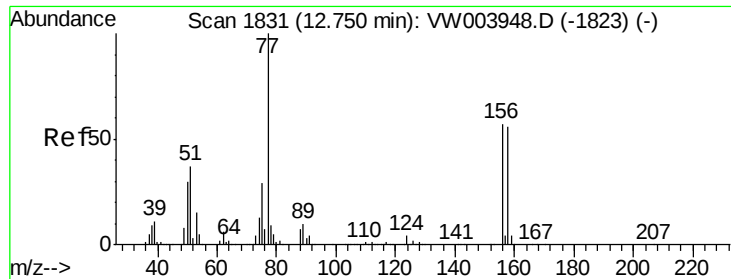
Tgt Ion: 75 Resp: 74305

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#77

Bromobenzene

Concen: 29.043 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.21 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

BU-02-071218RE

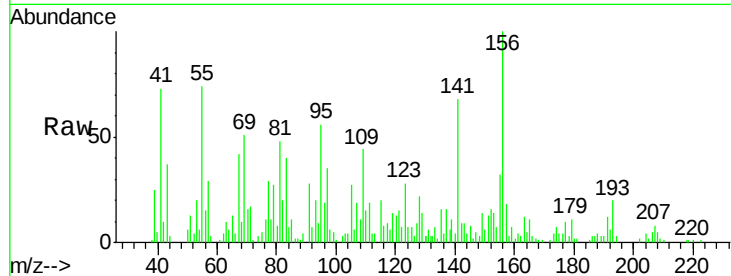
Tot Ion:156 Resp: 55655

Ion Ratio Lower Upper

156 100

77 0.8 96.2 288.6#

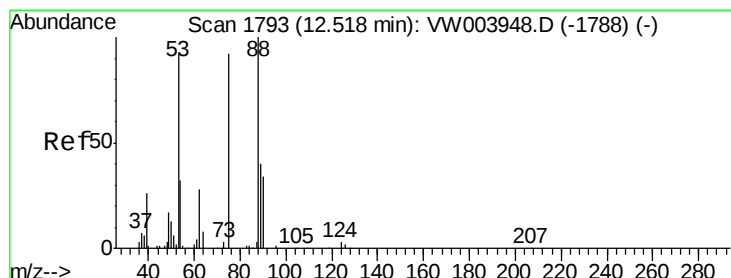
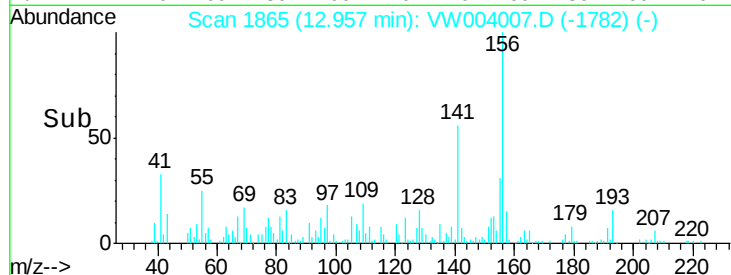
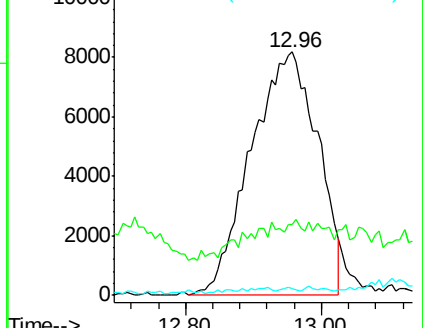
158 0.2 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 146.081 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004007.D

Acq: 18 Jul 2018 03:01

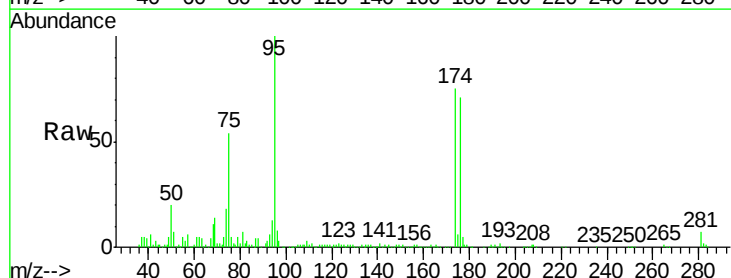
Tgt Ion: 75 Resp: 74305

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

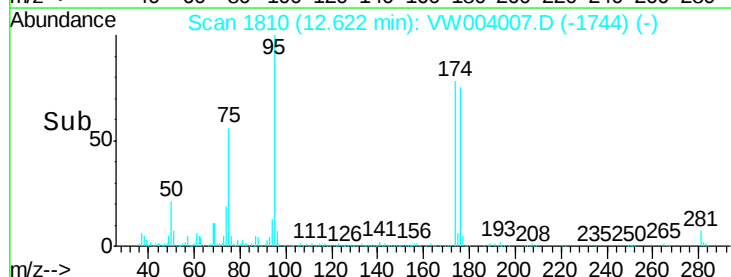
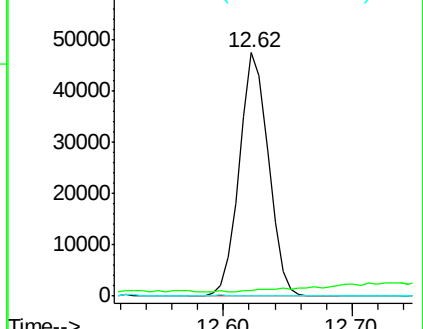
89 0.0 36.6 54.8#

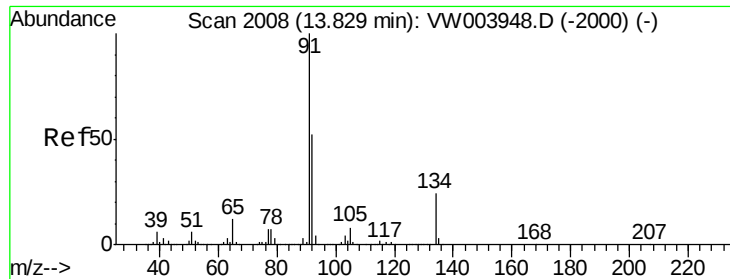


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

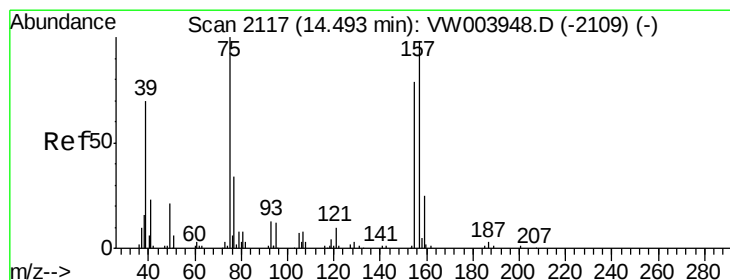
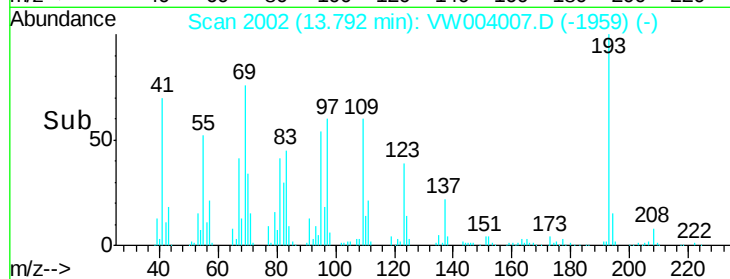
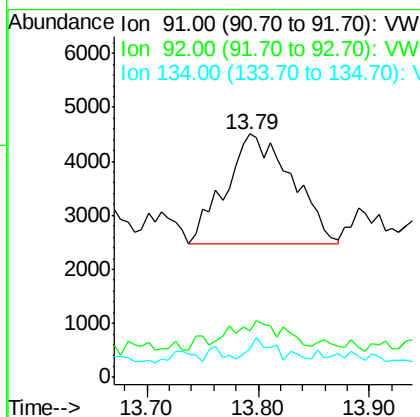
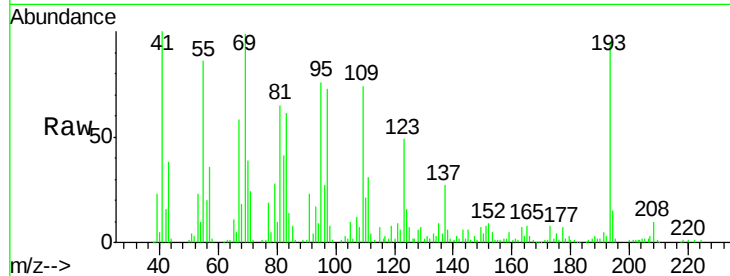




#89
n-Butylbenzene
Concen: 1.163 ug/l
RT: 13.79 min Scan# 2002
Delta R.T. -0.04 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

Instrument :
MSVOA_W
ClientSampleId :
BU-02-071218RE

Tot Ion: 91 Resp: 8422
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 7.3 12.4 37.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.492 ug/l
RT: 14.51 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VW004007.D
Acq: 18 Jul 2018 03:01

Tgt Ion: 75 Resp: 411
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.1#
157 0.0 51.8 155.4#

