

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001222.D
 Acq On : 15 Jan 2020 16:46
 Operator : SY/MD
 Sample : L1126-03
 Misc : 3.16G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0

Quant Time: Jan 16 04:51:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	168306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	304181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	279848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	131885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	99070	55.73	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.73	113	90387	50.75	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.18	98	353851	51.56	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.48	95	132881	47.36	ug/l	0.00
Spiked Amount						

Target Compounds

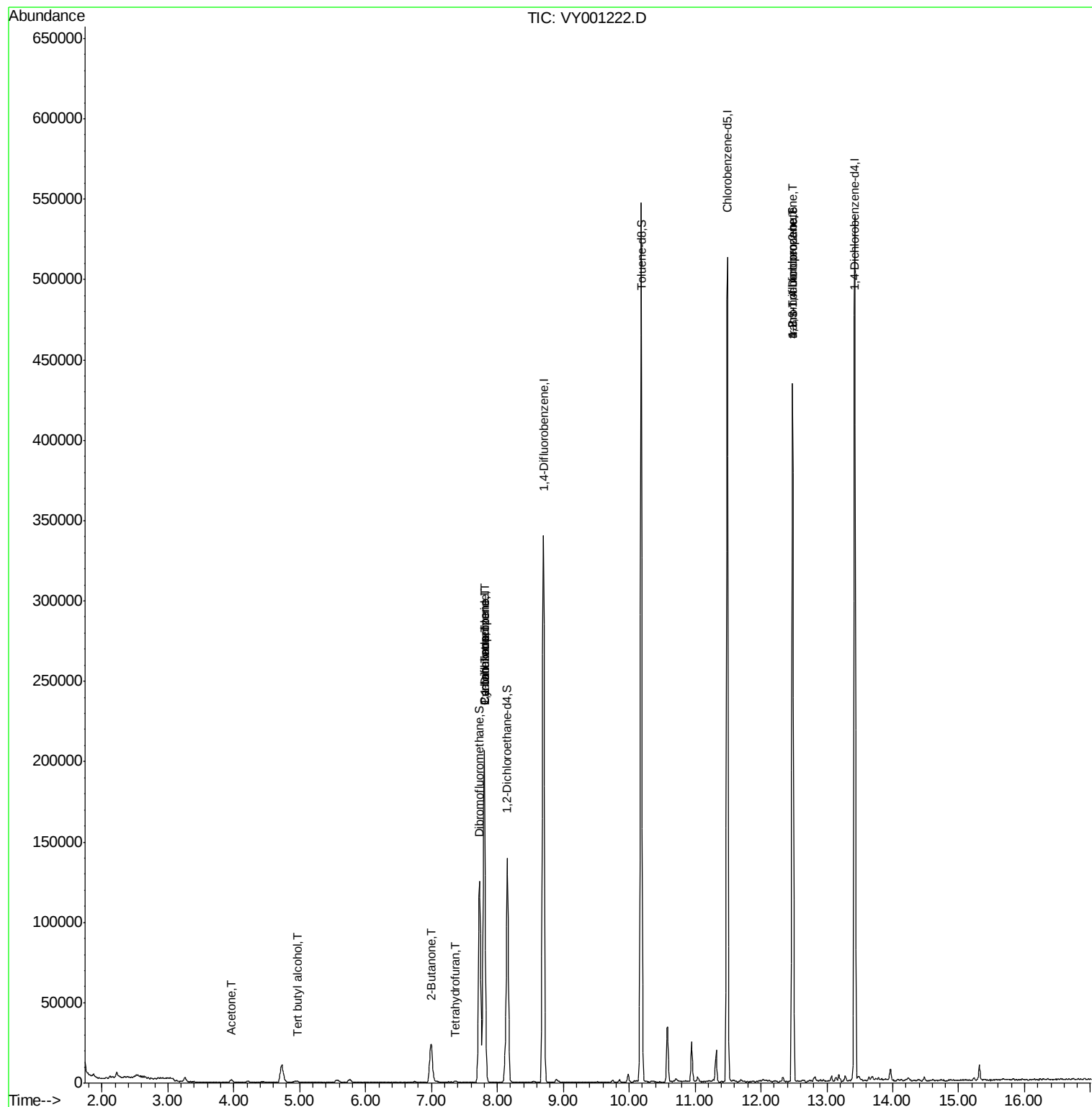
					Qvalue	
11) Tert butyl alcohol	4.98	59	485	2.712	ug/l #	85
16) Acetone	3.96	43	2827	6.848	ug/l	99
20) Methylene Chloride	4.72	84	8451	Below Cal		95
25) 2-Butanone	7.00	43	1763	2.744	ug/l #	47
29) Tetrahydrofuran	7.36	42	571	1.297	ug/l #	62
31) Cyclohexane	7.80	56	3741	1.088	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	12837	4.630	ug/l #	48
38) Carbon Tetrachloride	7.80	117	15418	6.068	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	65609	46.471	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	65609	78.804	ug/l #	6

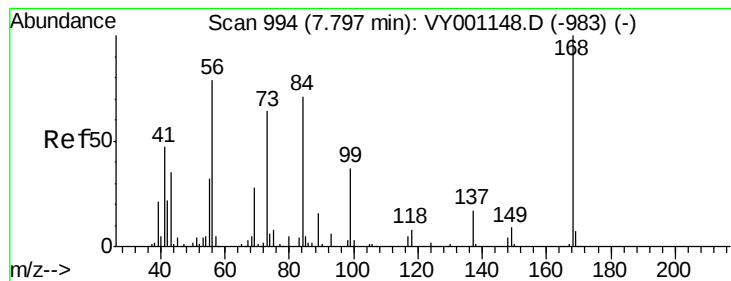
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampleId :

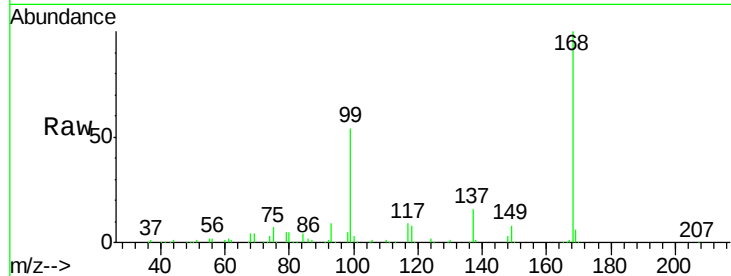
BW-1-3.0

Tgt Ion:168 Resp: 168306

Ion Ratio Lower Upper

168 100

99 53.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

40000

20000

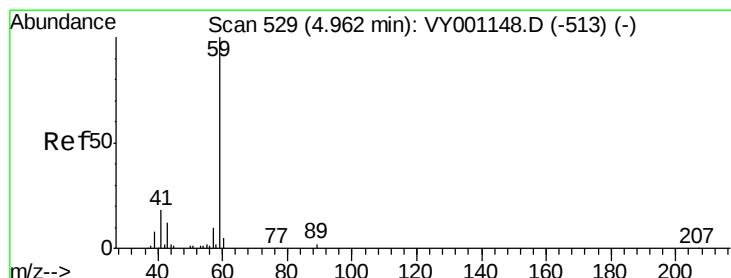
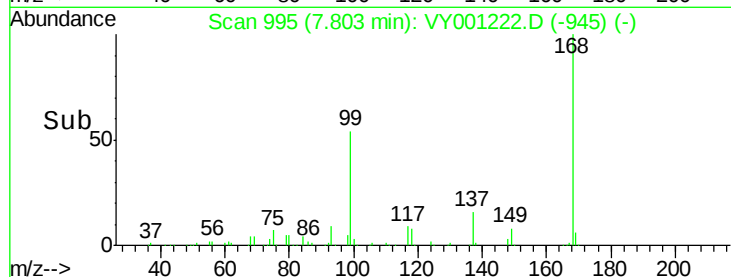
0

7.70

7.80

7.90

Time-->



#11

Tert butyl alcohol

Concen: 2.712 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.02 min

Lab File: VY001222.D

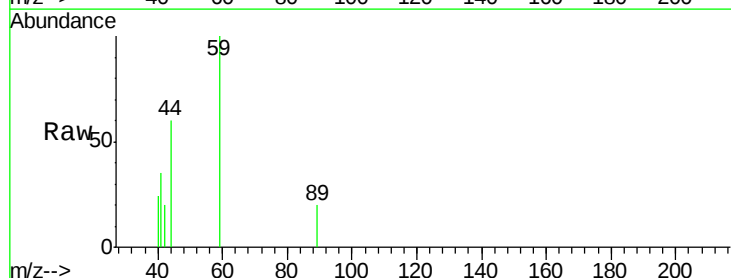
Acq: 15 Jan 2020 16:46

Tgt Ion: 59 Resp: 485

Ion Ratio Lower Upper

59 100

57 4.3 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.98

400

300

200

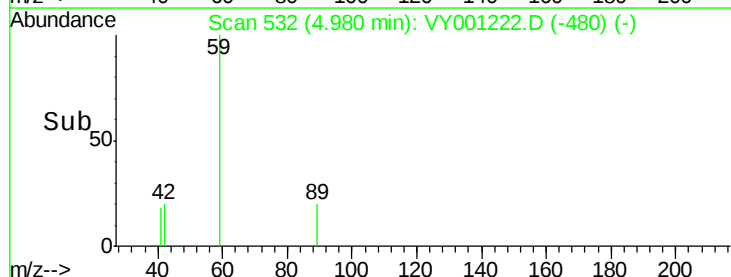
100

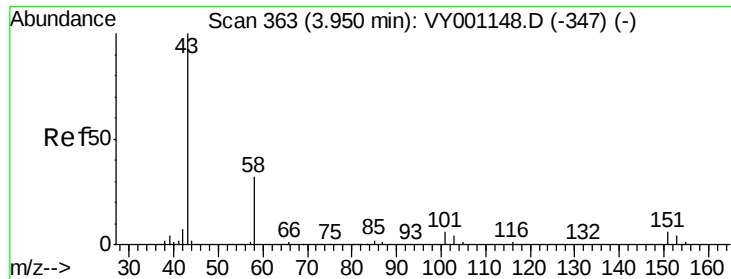
0

4.95

5.00

Time-->





#16

Acetone

Concen: 6.848 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampleId :

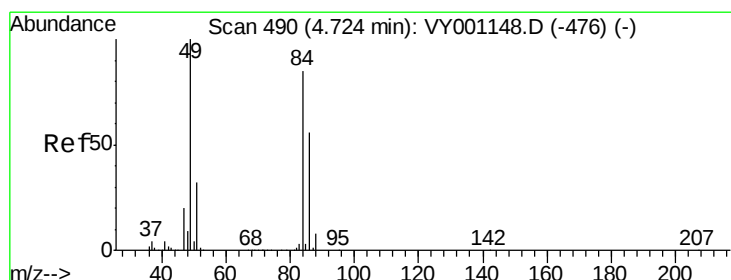
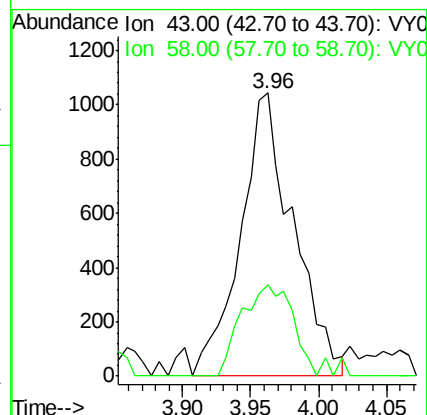
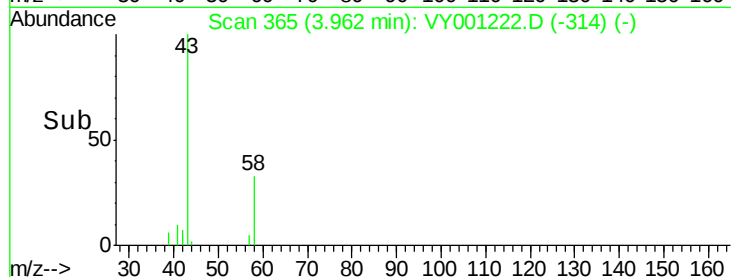
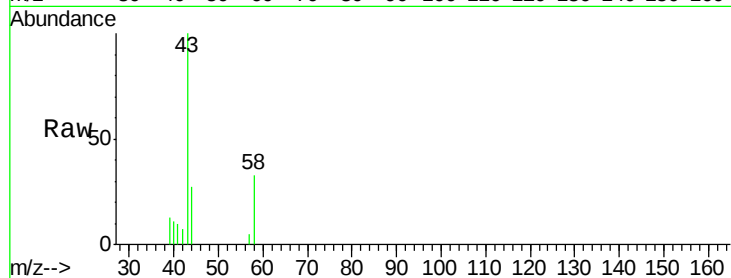
BW-1-3.0

Tgt Ion: 43 Resp: 2827

Ion Ratio Lower Upper

43 100

58 32.5 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Tgt Ion: 84 Resp: 8451

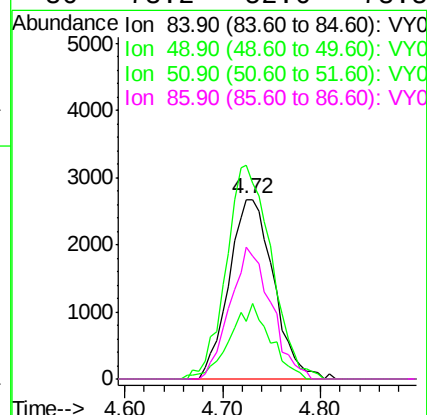
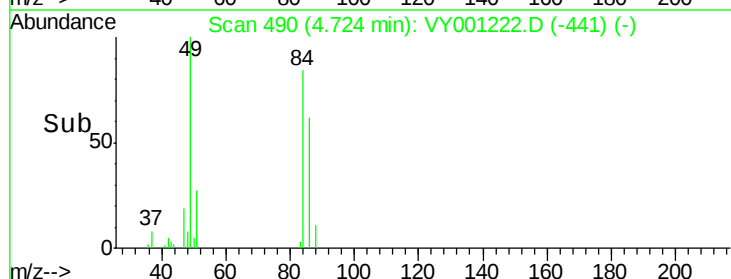
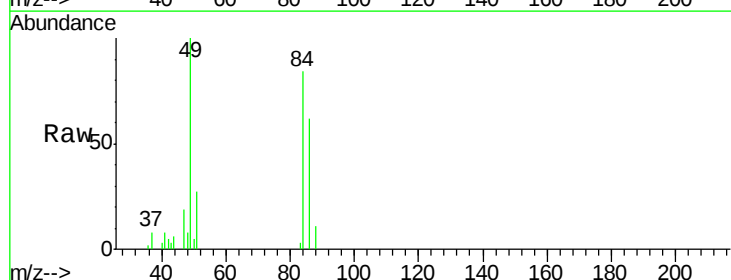
Ion Ratio Lower Upper

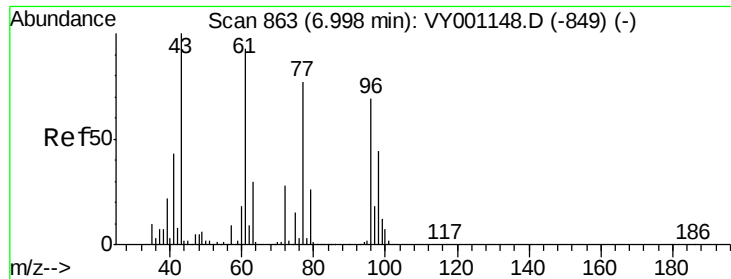
84 100

49 118.9 93.8 140.6

51 32.1 29.9 44.9

86 73.2 52.6 78.8





#25

2-Butanone

Concen: 2.744 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampled :

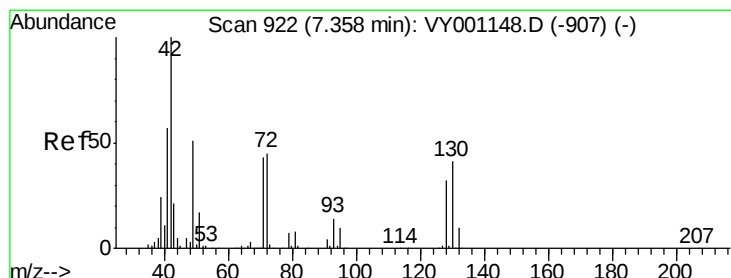
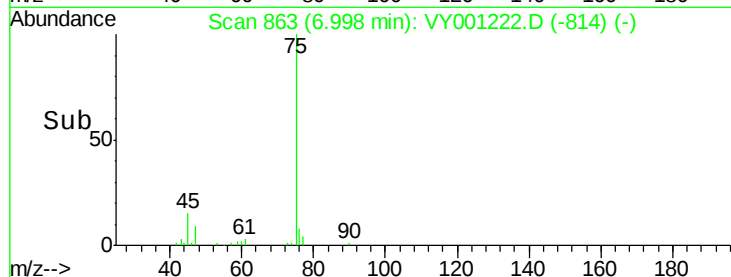
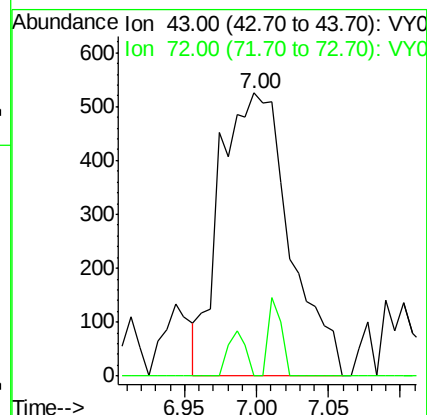
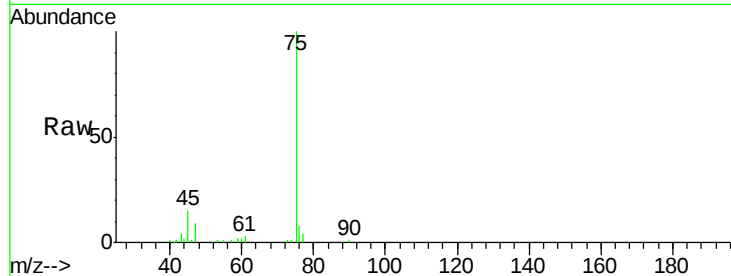
BW-1-3.0

Tgt Ion: 43 Resp: 1763

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#29

Tetrahydrofuran

Concen: 1.297 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

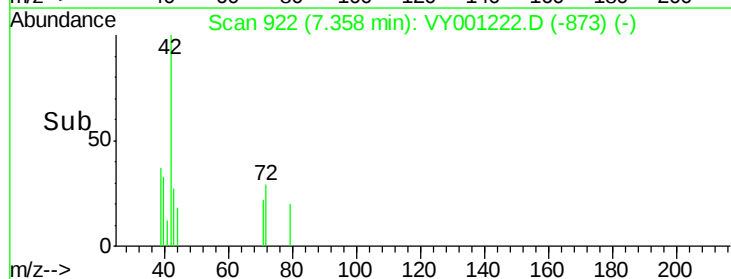
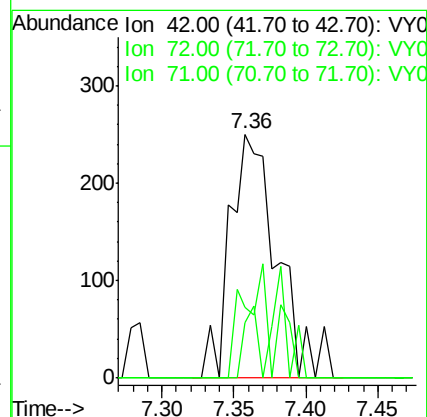
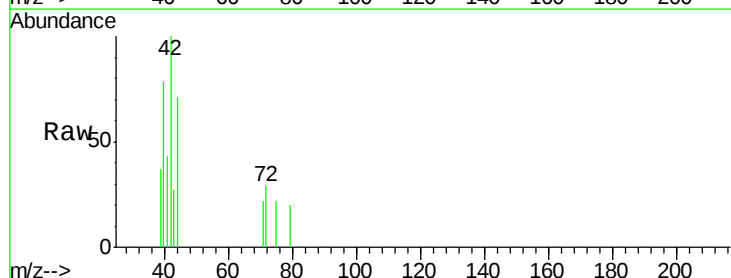
Tgt Ion: 42 Resp: 571

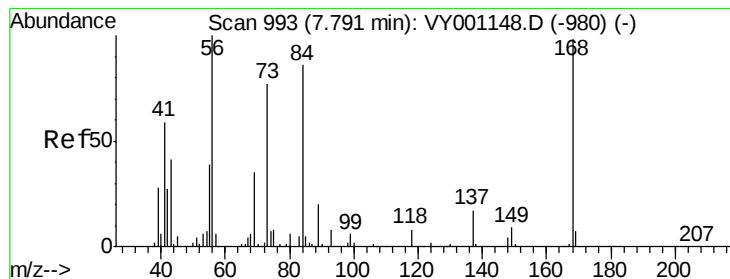
Ion Ratio Lower Upper

42 100

72 30.5 36.9 55.3#

71 8.2 34.0 51.0#





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0

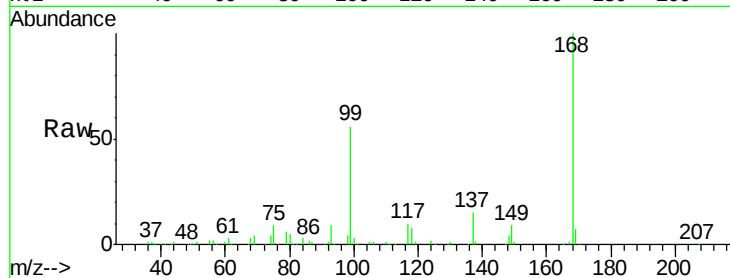
Tgt Ion: 56 Resp: 3741

Ion Ratio Lower Upper

56 100

69 170.7 27.8 41.8#

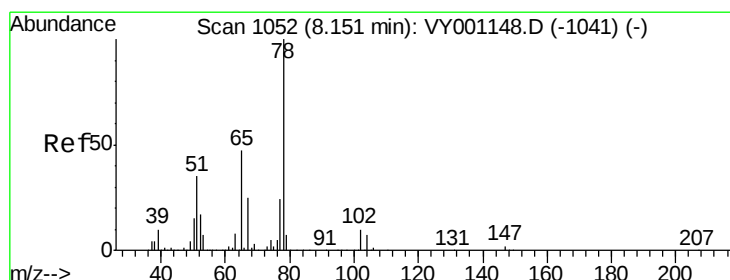
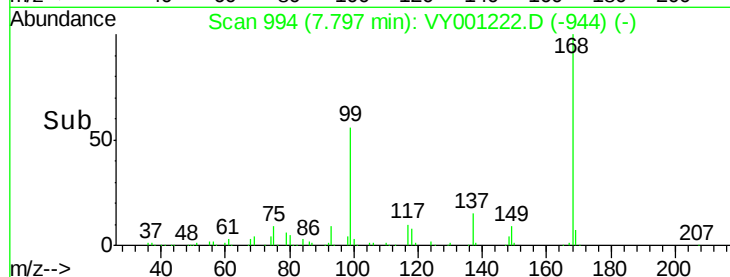
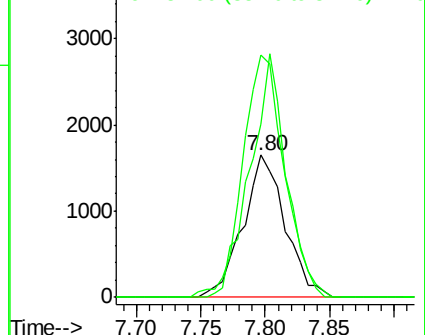
84 122.0 68.9 103.3#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 55.732 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001222.D

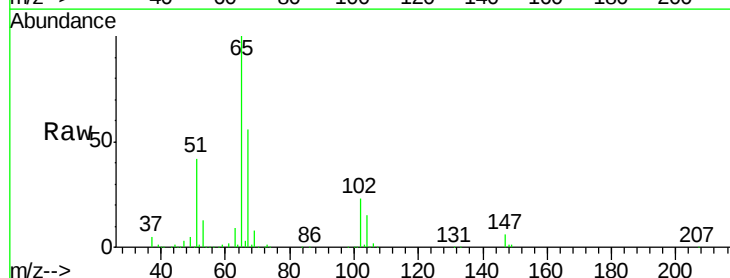
Acq: 15 Jan 2020 16:46

Tgt Ion: 65 Resp: 99070

Ion Ratio Lower Upper

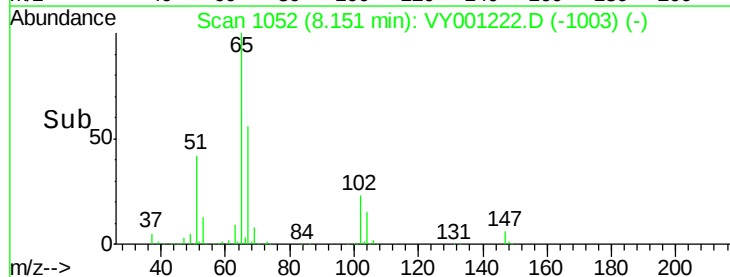
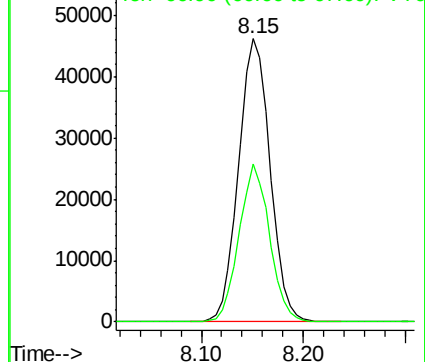
65 100

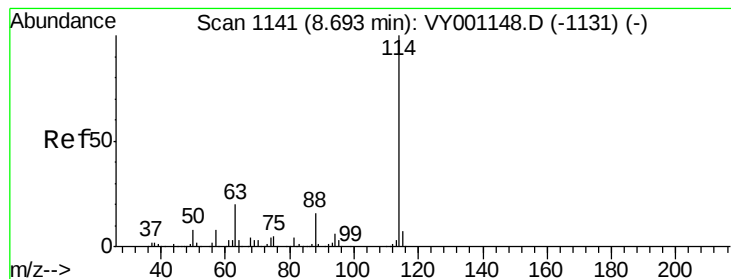
67 54.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampleId :

BW-1-3.0

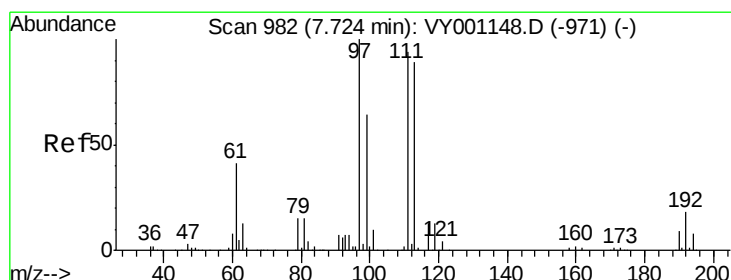
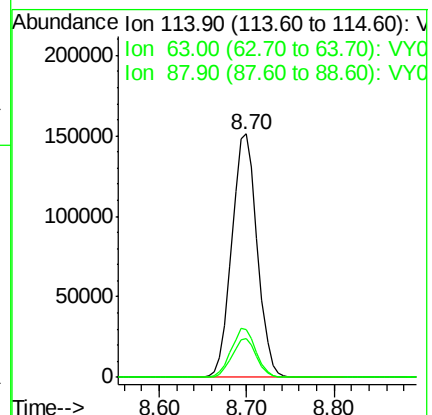
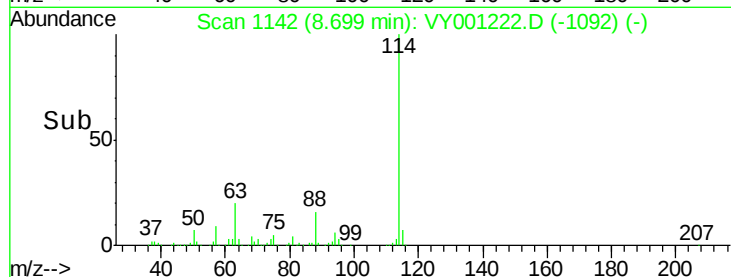
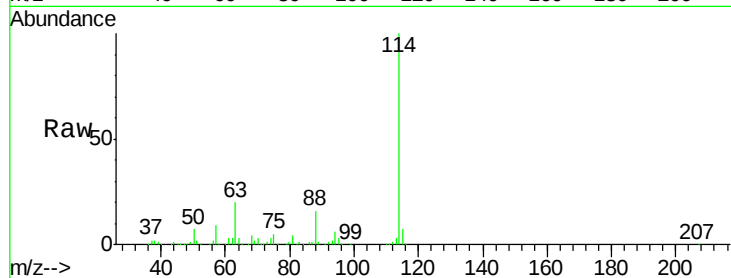
Tgt Ion:114 Resp: 304181

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 16.1 0.0 32.4



#35

Dibromofluoromethane

Concen: 50.751 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

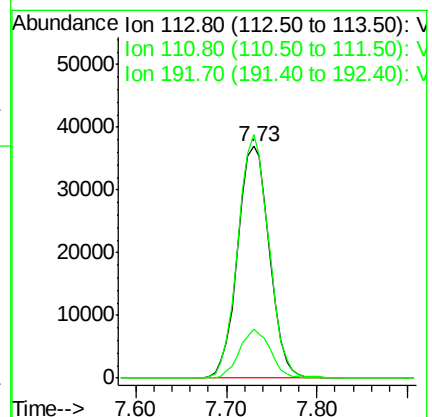
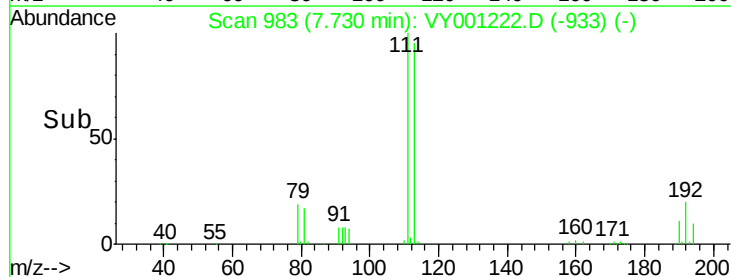
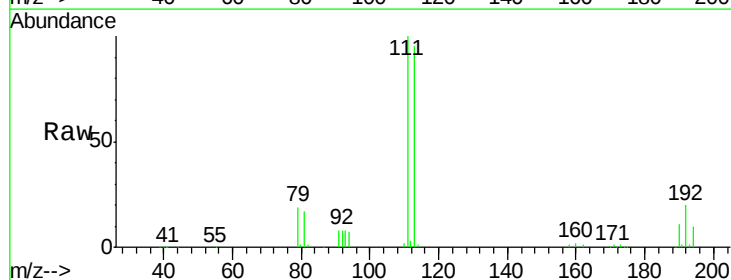
Tgt Ion:113 Resp: 90387

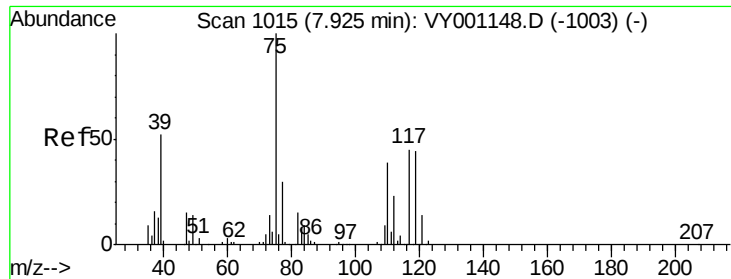
Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

192 20.3 15.4 23.2

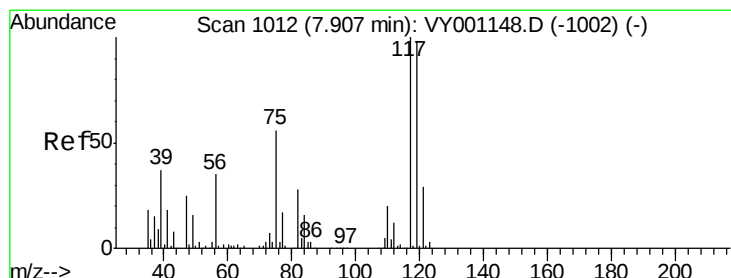
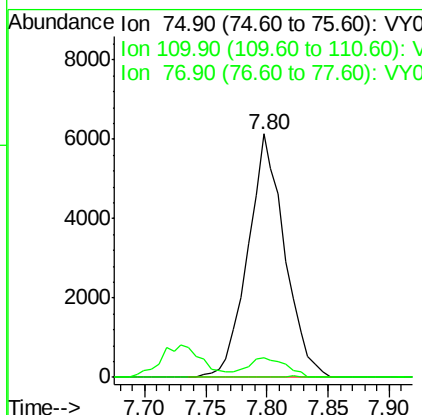
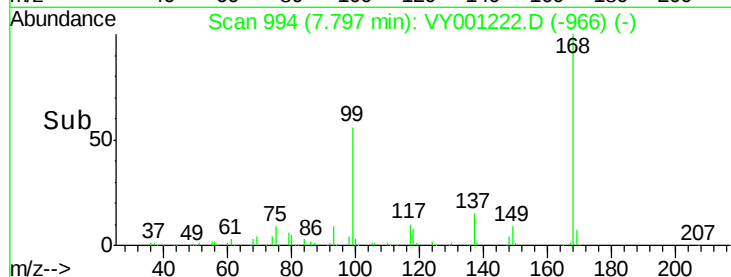
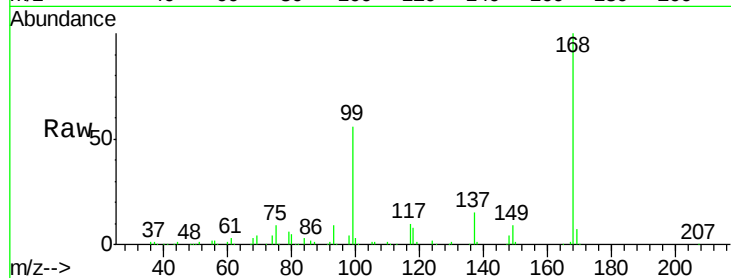




#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001222.D
 Acq: 15 Jan 2020 16:46

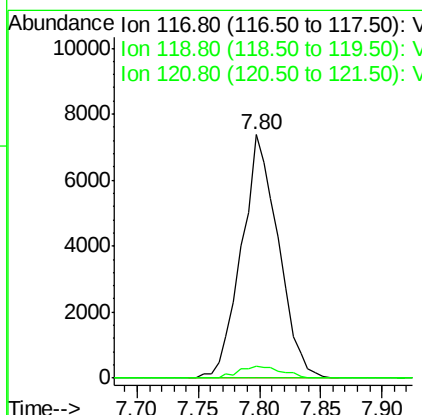
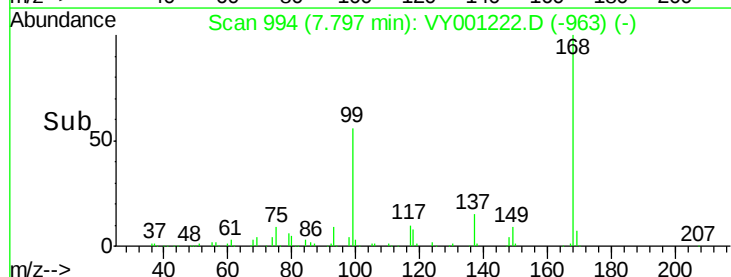
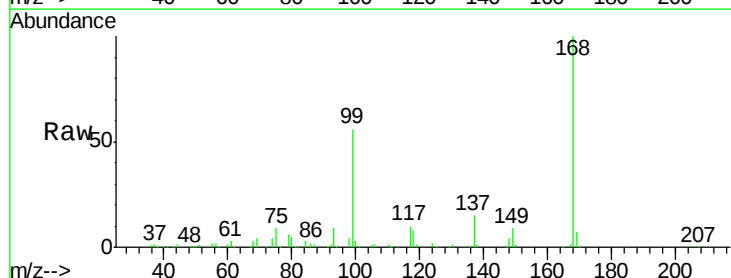
Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1-3.0

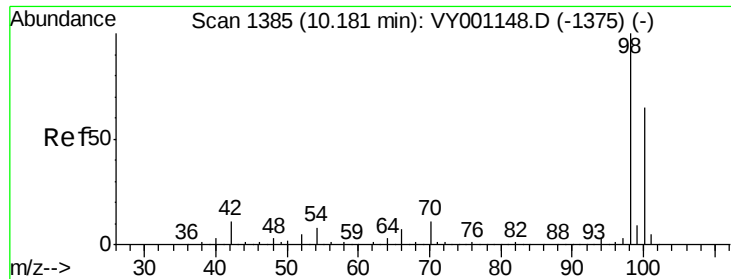
Tgt Ion: 75 Resp: 12837
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.068 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001222.D
 Acq: 15 Jan 2020 16:46

Tgt Ion: 117 Resp: 15418
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.564 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampleId :

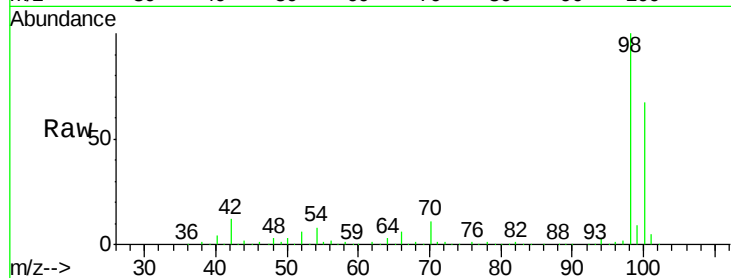
BW-1-3.0

Tgt Ion: 98 Resp: 353851

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY001148.D (-1375) (-)

10.18

200000

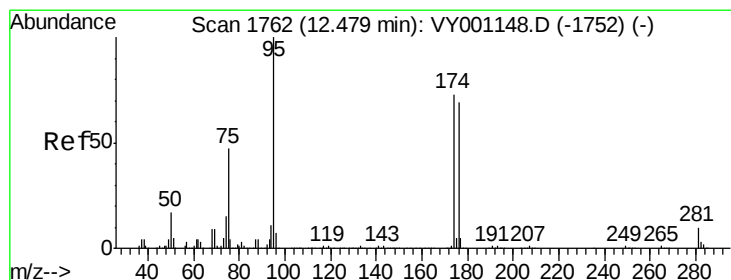
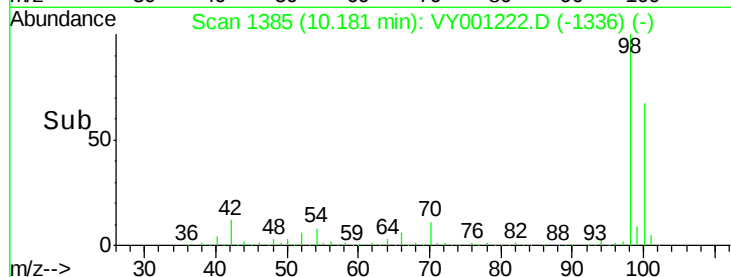
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.364 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

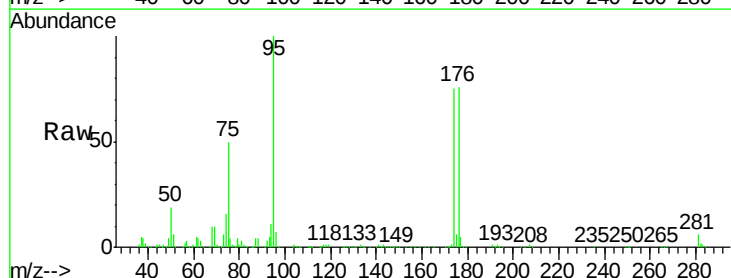
Tgt Ion: 95 Resp: 132881

Ion Ratio Lower Upper

95 100

174 76.7 0.0 143.2

176 74.7 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001148.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY001148.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY001148.D (-1752) (-)

12.48

120000

100000

80000

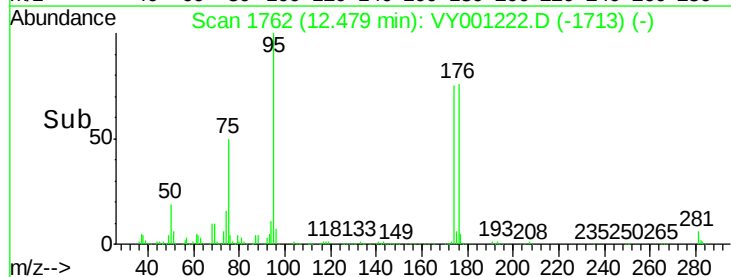
60000

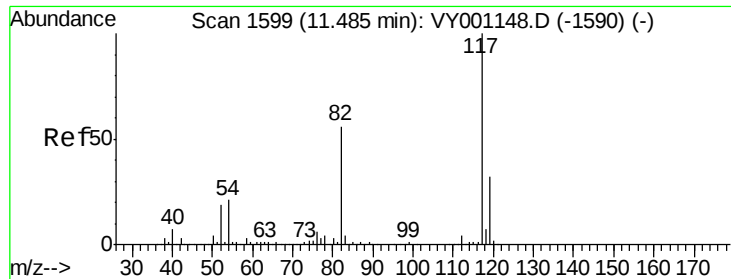
40000

20000

0

Time-->

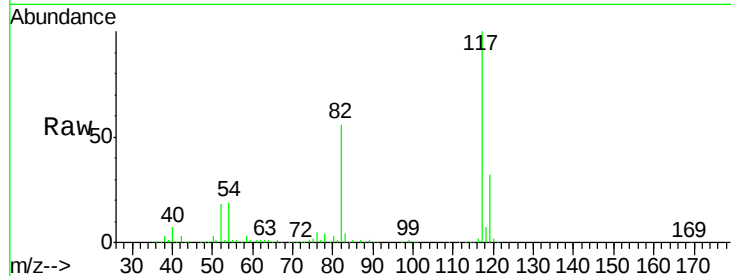




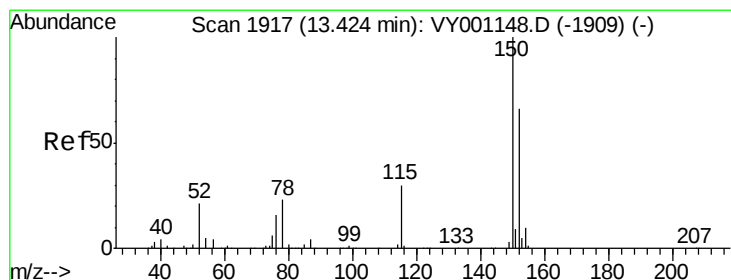
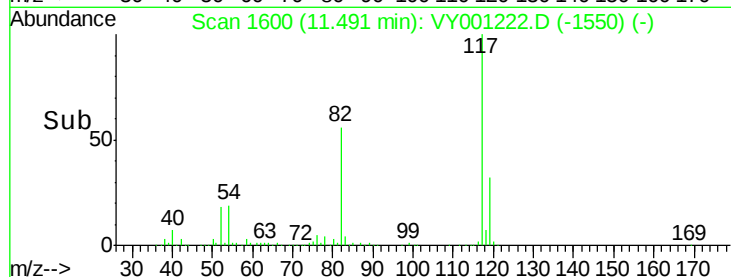
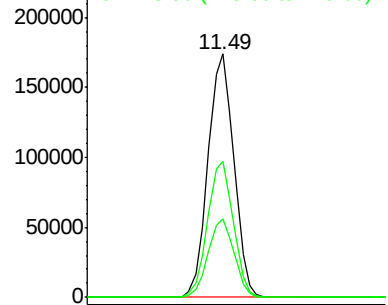
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001222.D
Acq: 15 Jan 2020 16:46

Instrument :
MSVOA_Y
ClientSampleId :
BW-1-3.0

Tgt Ion:117 Resp: 279848
Ion Ratio Lower Upper
117 100
82 55.9 44.9 67.3
119 32.2 25.7 38.5

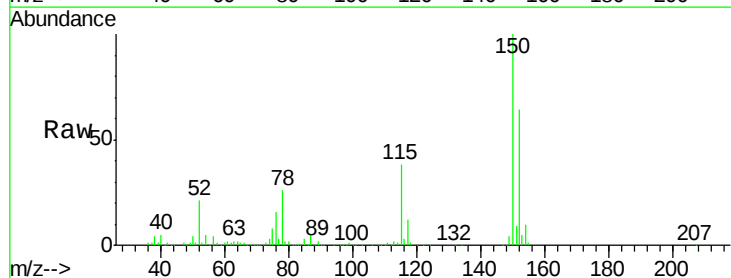


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

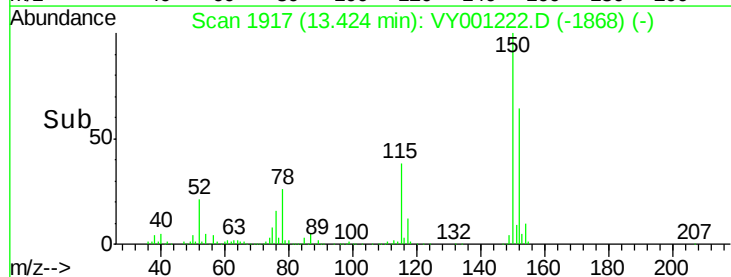
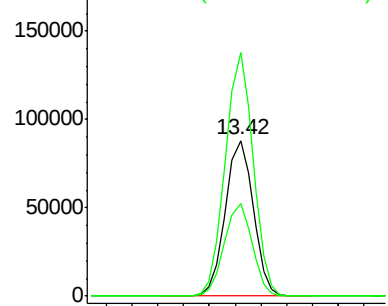


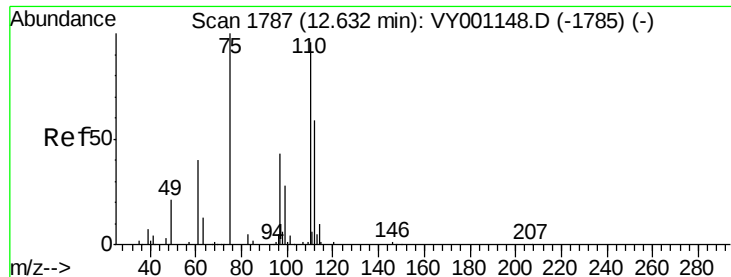
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001222.D
Acq: 15 Jan 2020 16:46

Tgt Ion:152 Resp: 131885
Ion Ratio Lower Upper
152 100
115 59.4 30.9 92.5
150 155.8 0.0 346.8



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: 46.471 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Instrument :

MSVOA_Y

ClientSampleId :

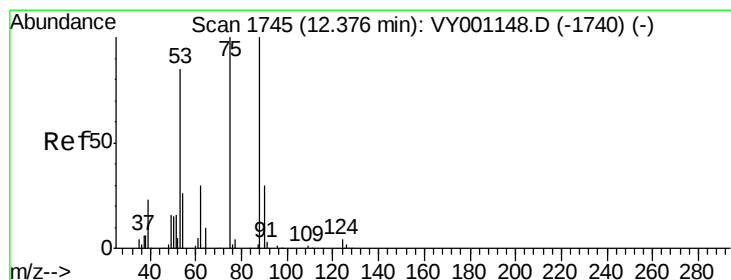
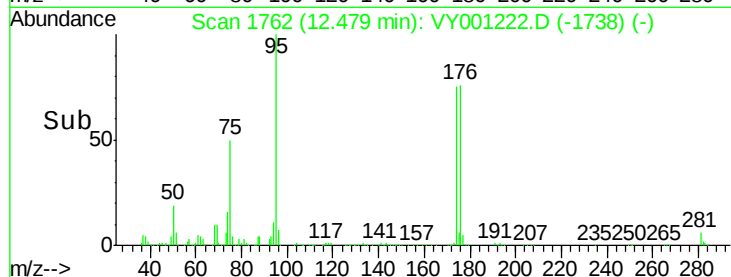
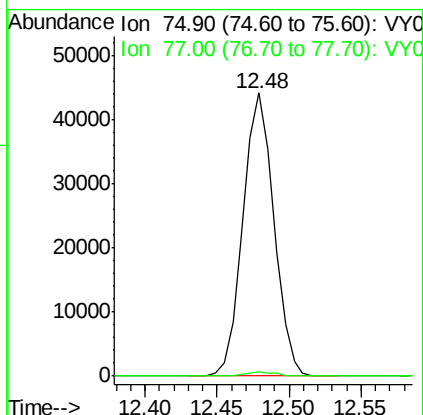
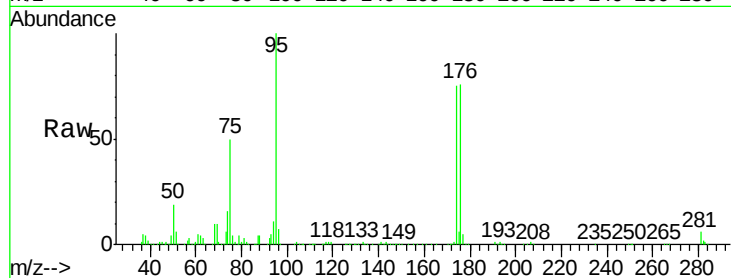
BW-1-3.0

Tgt Ion: 75 Resp: 65609

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.804 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001222.D

Acq: 15 Jan 2020 16:46

Tgt Ion: 75 Resp: 65609

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 0.0 0.0#

