

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001221.D
 Acq On : 15 Jan 2020 16:23
 Operator : SY/MD
 Sample : L1126-02
 Misc : 6.37G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-2-45.0

Quant Time: Jan 16 04:51:18 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	166039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	300228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	276408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	96030	54.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.52%	
35) Dibromofluoromethane	7.73	113	89130	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
50) Toluene-d8	10.18	98	353111	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.48	95	134515	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	

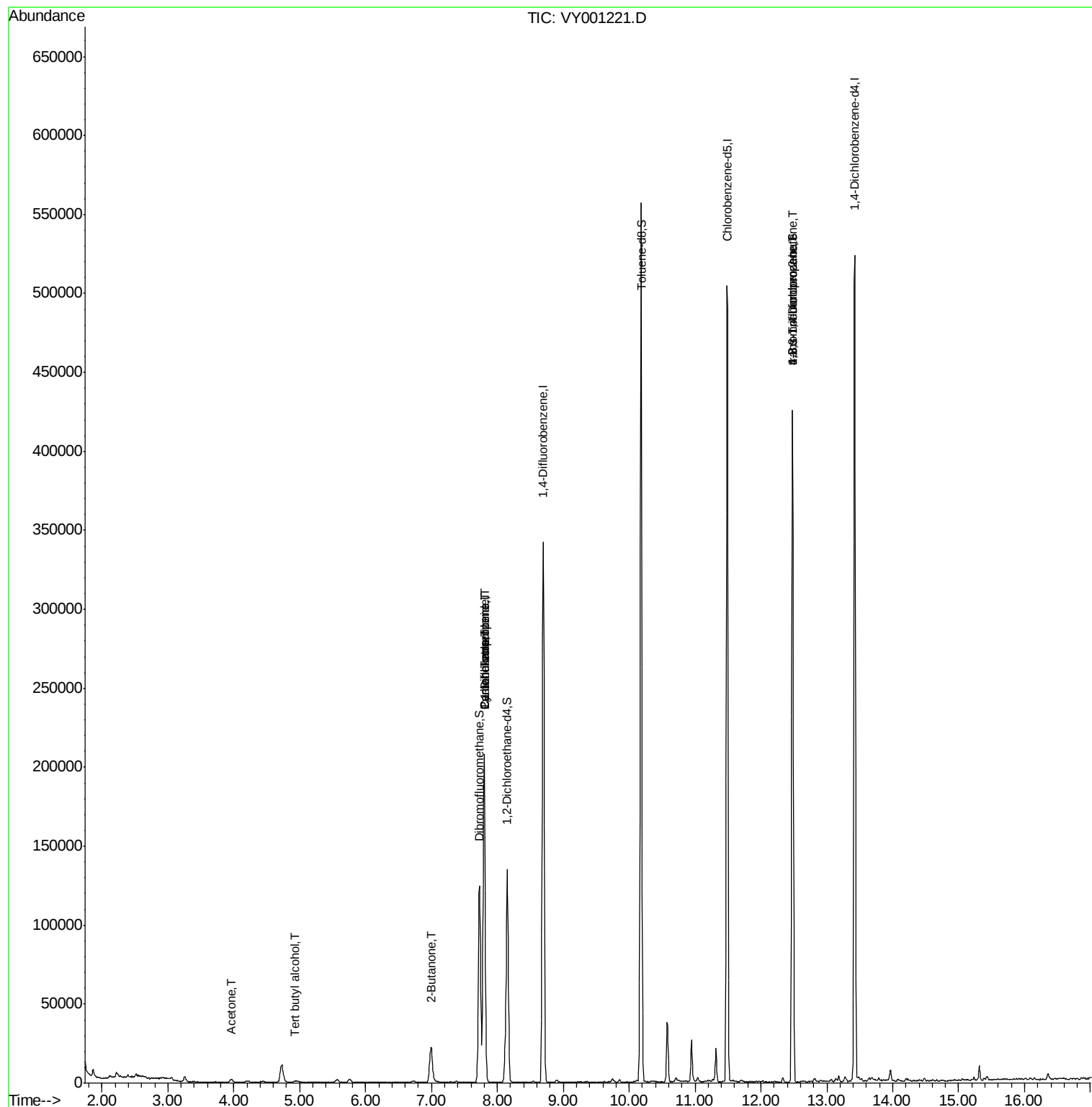
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.93	59	405	2.295	ug/l #	88
16) Acetone	3.96	43	3693	9.068	ug/l	90
20) Methylene Chloride	4.73	84	8699	Below Cal		87
25) 2-Butanone	7.00	43	2211	3.488	ug/l #	74
31) Cyclohexane	7.80	56	3400	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12505	4.570	ug/l #	48
38) Carbon Tetrachloride	7.80	117	15408	6.144	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	65039	45.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	65039	76.723	ug/l #	6

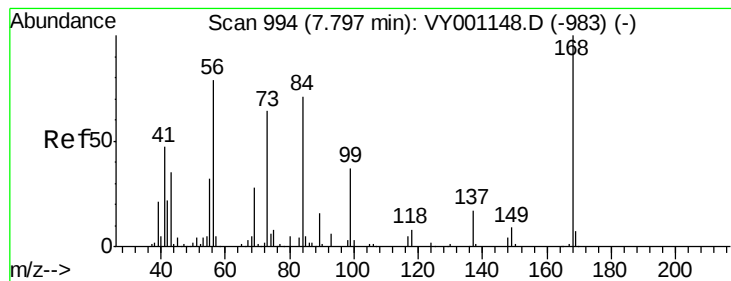
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
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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: VY001221.D

Acq: 15 Jan 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

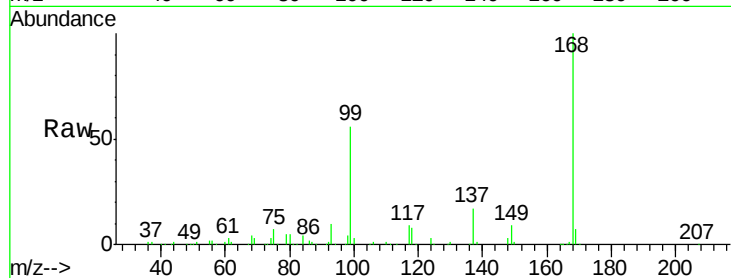
BW-2-45.0

Tgt Ion:168 Resp: 166039

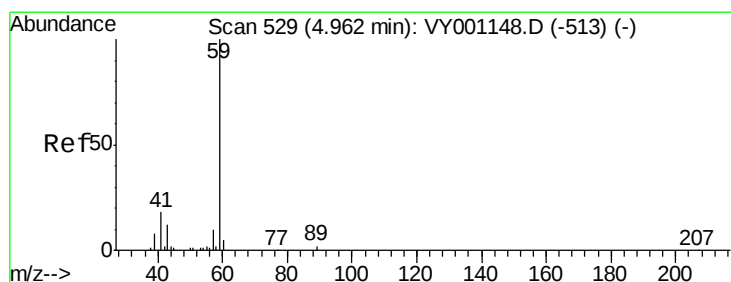
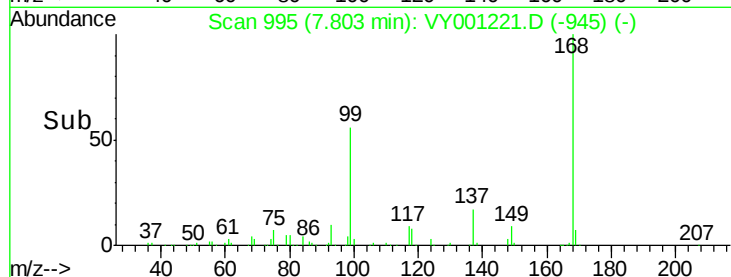
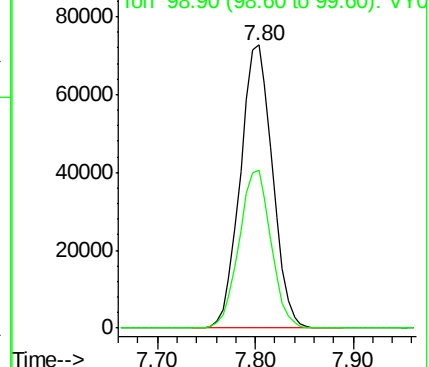
Ion Ratio Lower Upper

168 100

99 55.8 47.9 71.9



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



#11

Tert butyl alcohol

Concen: 2.295 ug/l

RT: 4.93 min Scan# 524

Delta R.T. -0.03 min

Lab File: VY001221.D

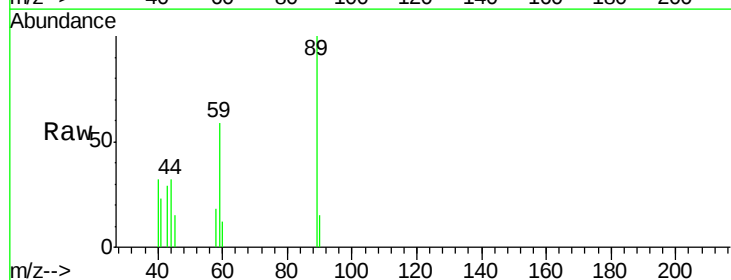
Acq: 15 Jan 2020 16:23

Tgt Ion: 59 Resp: 405

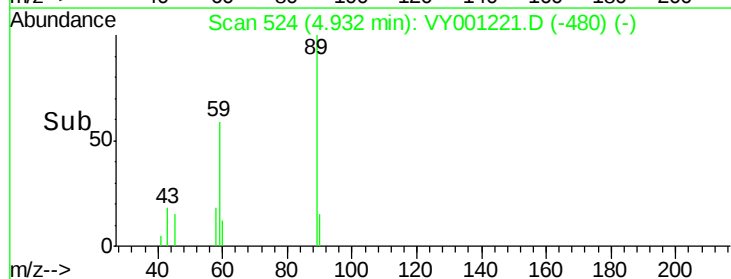
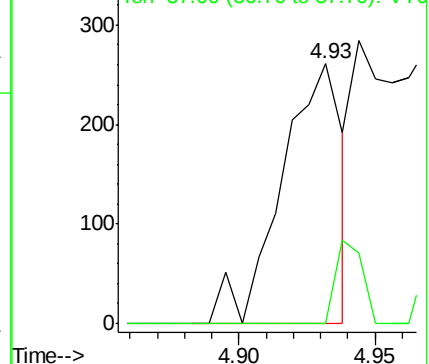
Ion Ratio Lower Upper

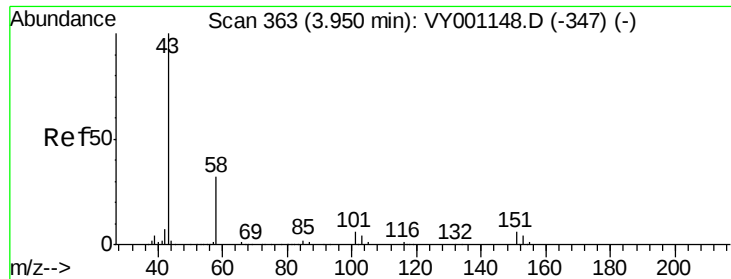
59 100

57 14.1 7.8 11.8#



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





#16

Acetone

Concen: 9.068 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

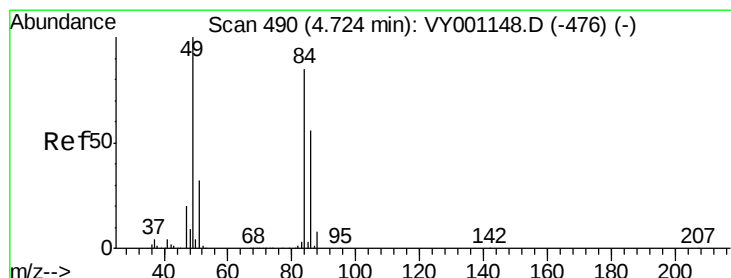
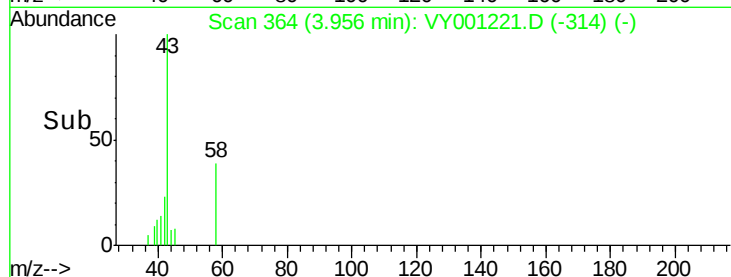
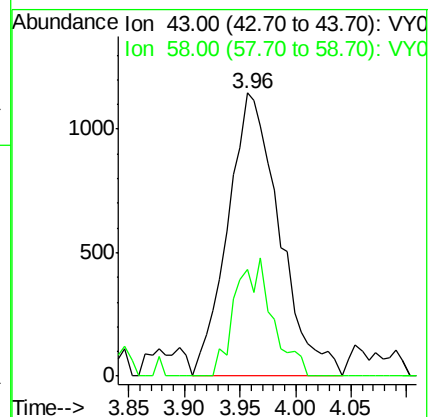
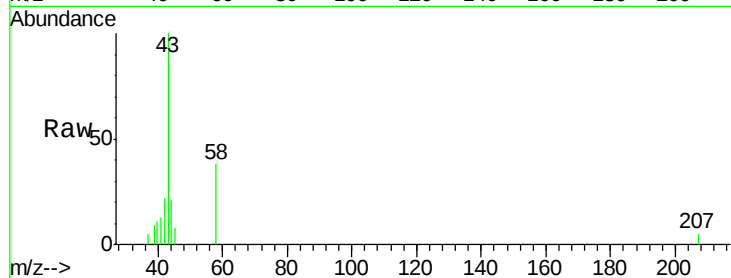
BW-2-45.0

Tgt Ion: 43 Resp: 3693

Ion Ratio Lower Upper

43 100

58 37.6 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

Tgt Ion: 84 Resp: 8699

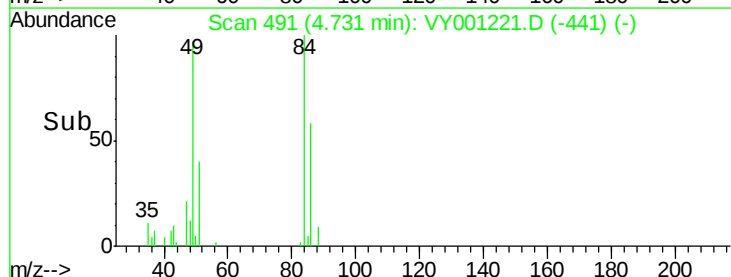
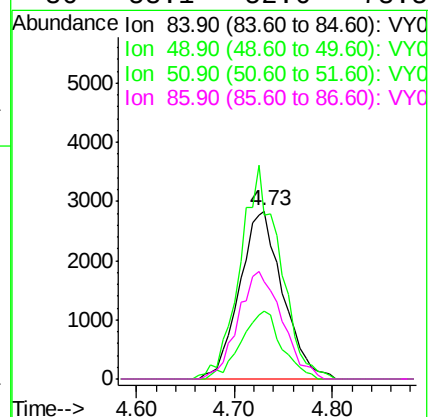
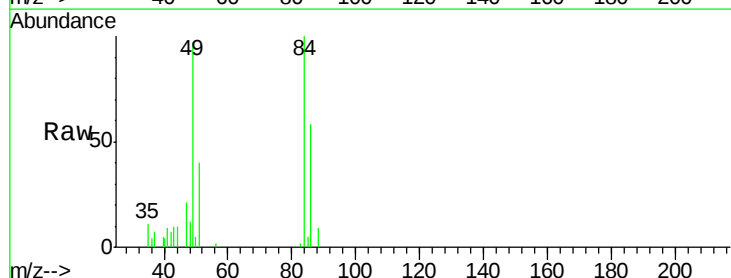
Ion Ratio Lower Upper

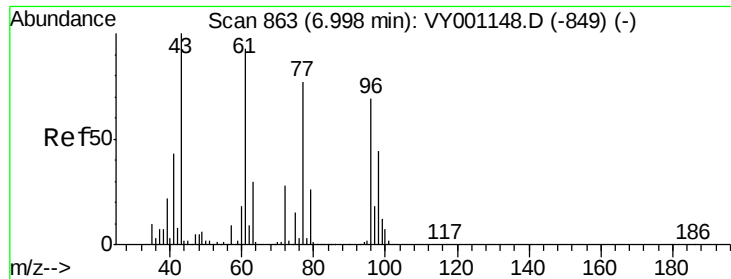
84 100

49 97.1 93.8 140.6

51 40.0 29.9 44.9

86 58.1 52.6 78.8





#25

2-Butanone

Concen: 3.488 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

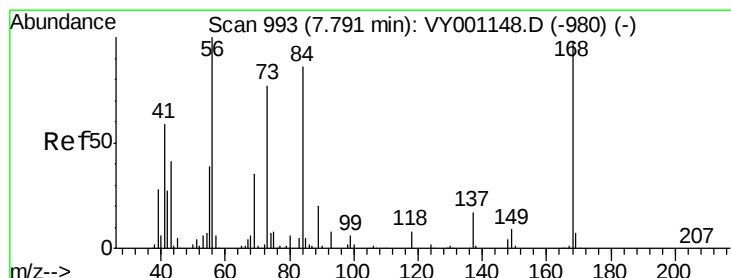
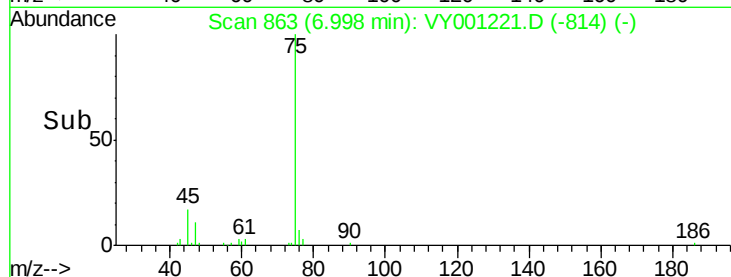
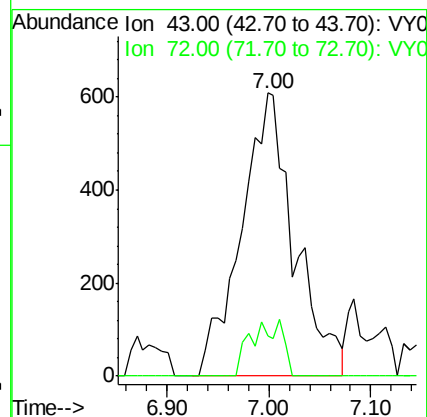
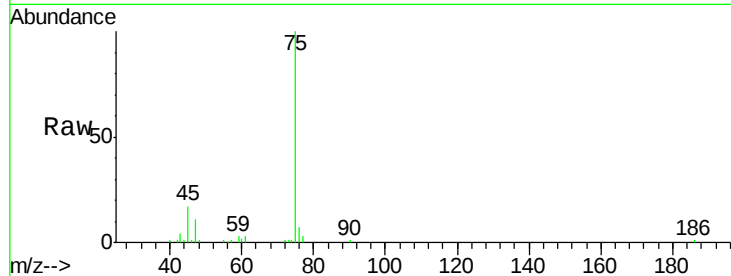
BW-2-45.0

Tgt Ion: 43 Resp: 2211

Ion Ratio Lower Upper

43 100

72 14.3 22.2 33.2#



#31

Cyclohexane

Concen: 1.002 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

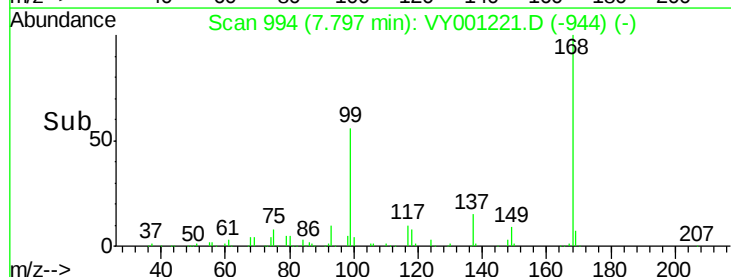
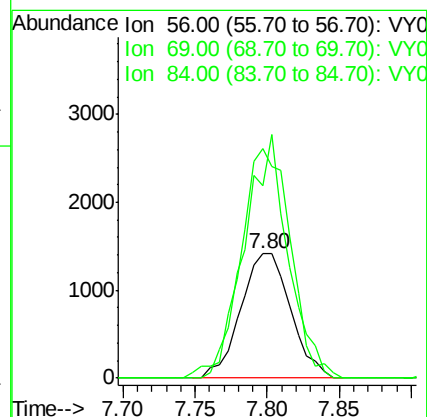
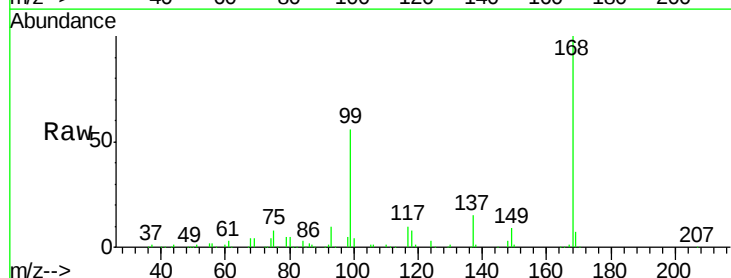
Tgt Ion: 56 Resp: 3400

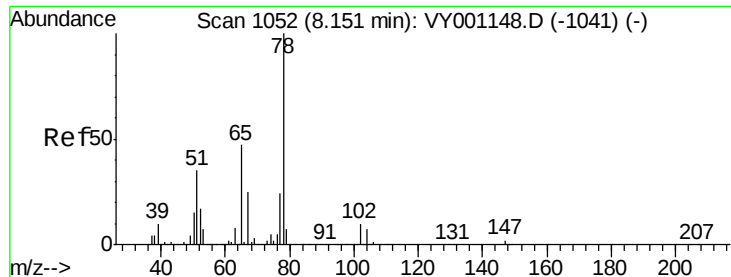
Ion Ratio Lower Upper

56 100

69 184.3 27.8 41.8#

84 155.1 68.9 103.3#

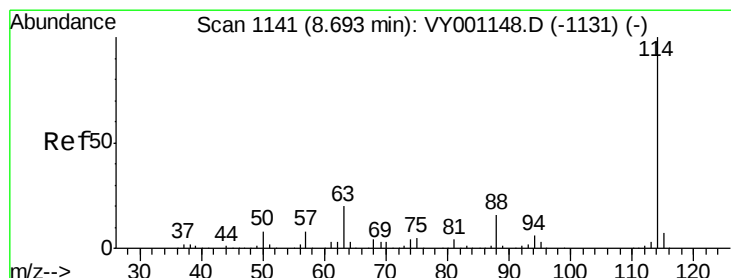
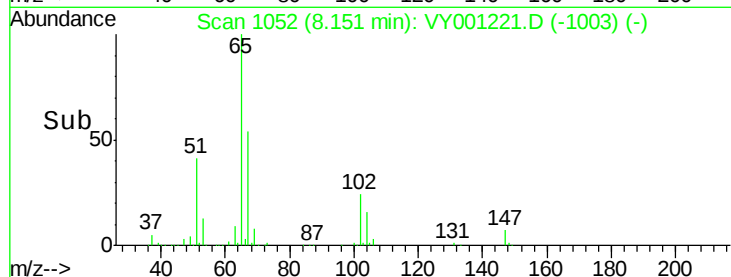
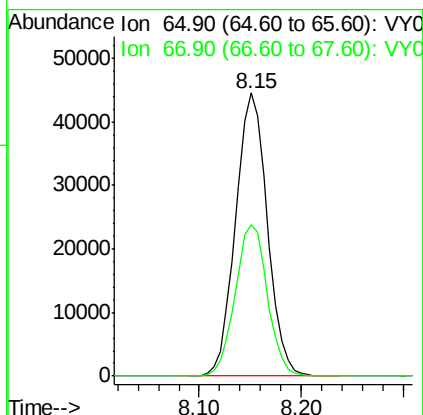
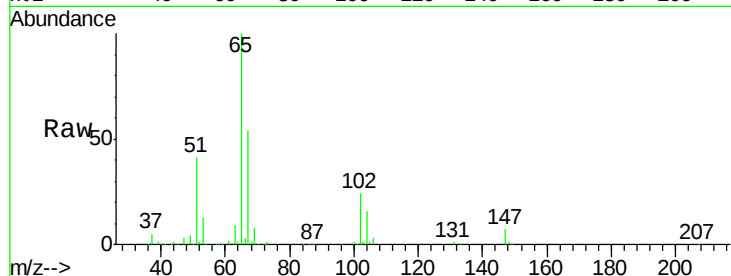




#33
 1,2-Dichloroethane-d4
 Concen: 54.760 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001221.D
 Acq: 15 Jan 2020 16:23

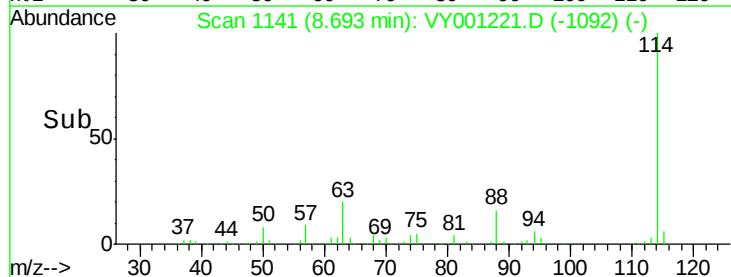
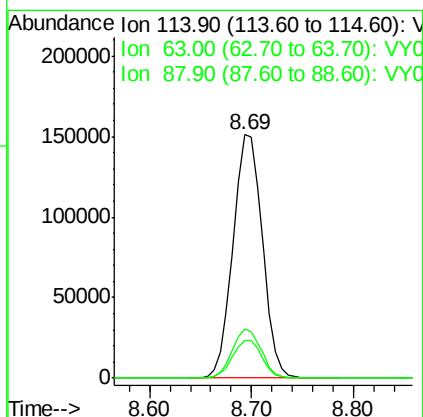
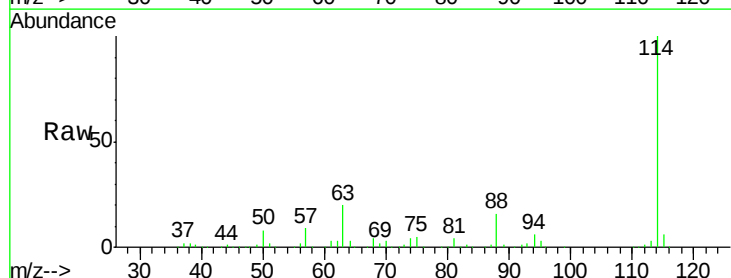
Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-2-45.0

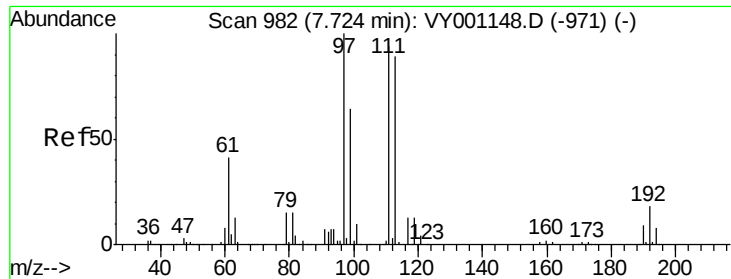
Tgt Ion: 65 Resp: 96030
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001221.D
 Acq: 15 Jan 2020 16:23

Tgt Ion: 114 Resp: 300228
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

Instrument :

MSVOA_Y

ClientSampled :

BW-2-45.0

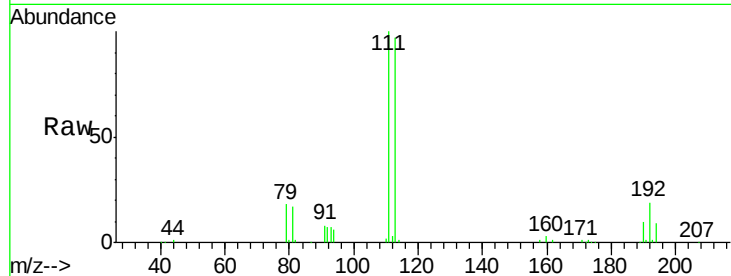
Tgt Ion:113 Resp: 89130

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

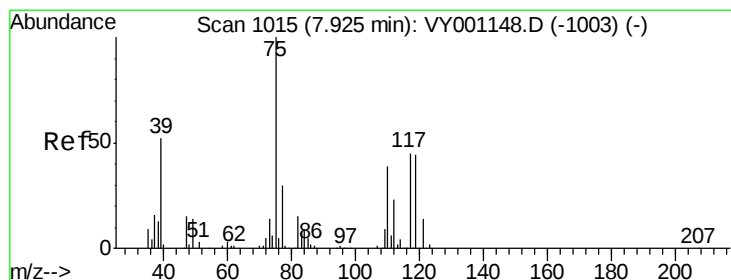
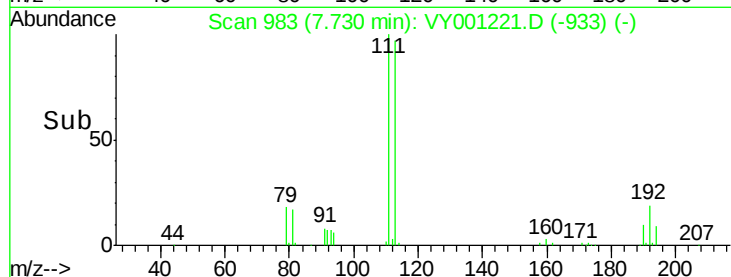
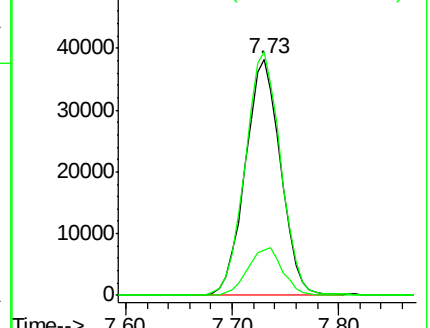
192 19.9 15.4 23.2



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: 4.570 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

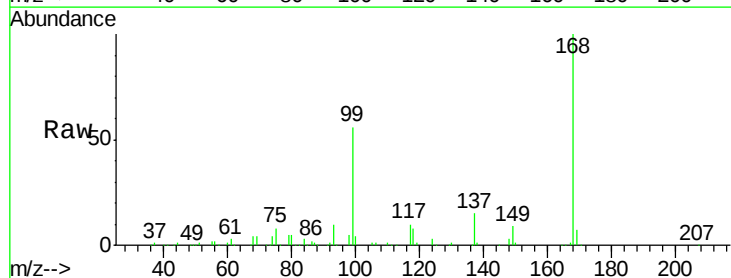
Tgt Ion: 75 Resp: 12505

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

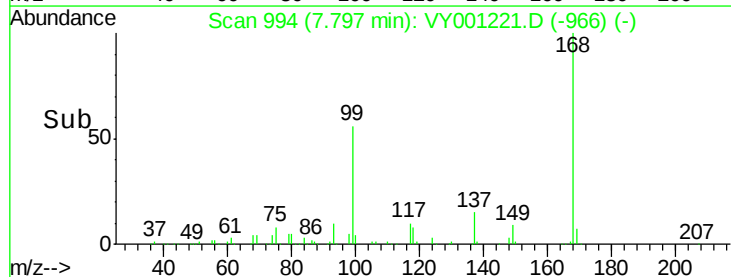
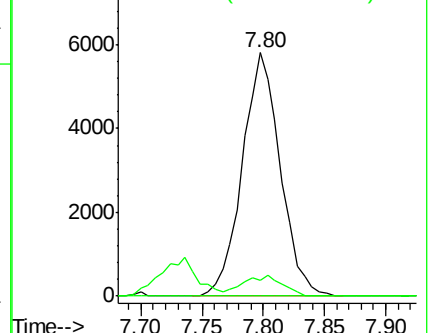
77 0.0 25.1 37.7#

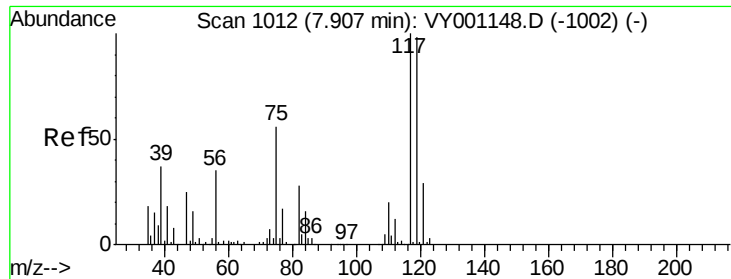


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

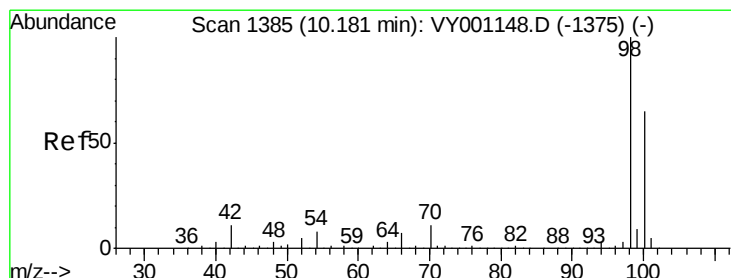
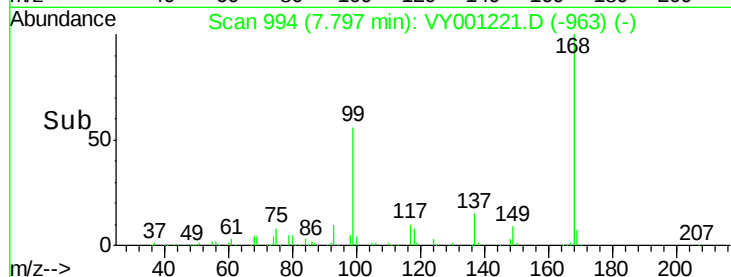
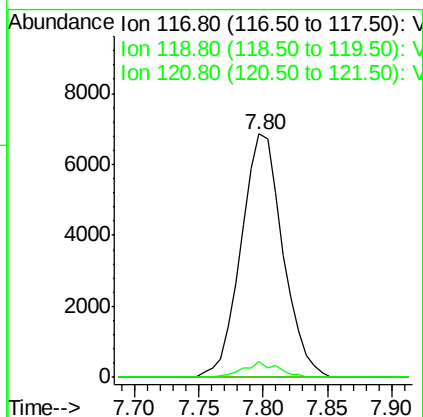
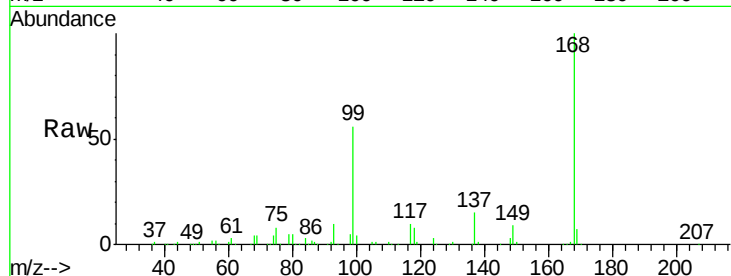




#38
Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001221.D
Acq: 15 Jan 2020 16:23

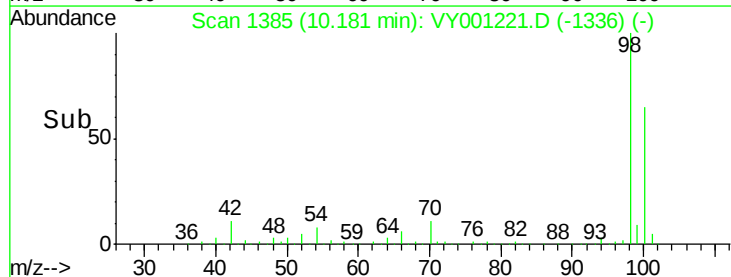
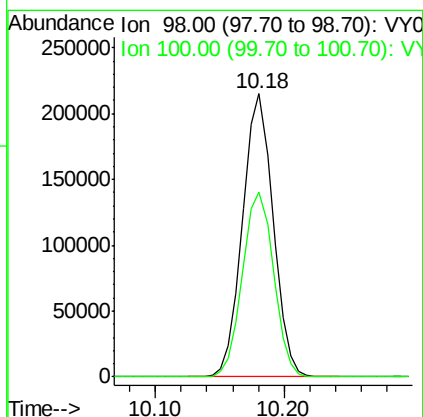
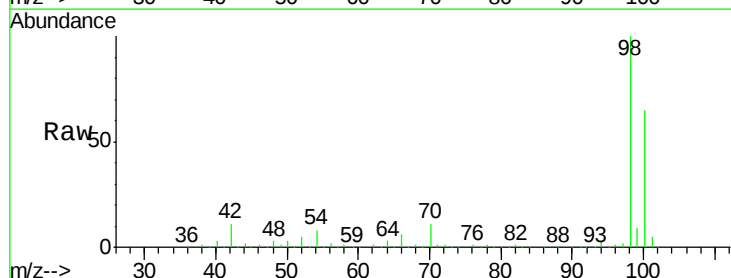
Instrument :
MSVOA_Y
ClientSampleId :
BW-2-45.0

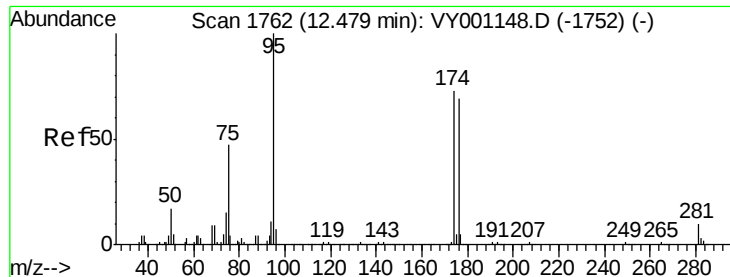
Tgt Ion:117 Resp: 15408
Ion Ratio Lower Upper
117 100
119 6.3 78.3 117.5#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 52.134 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001221.D
Acq: 15 Jan 2020 16:23

Tgt Ion: 98 Resp: 353111
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 48.577 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

BW-2-45.0

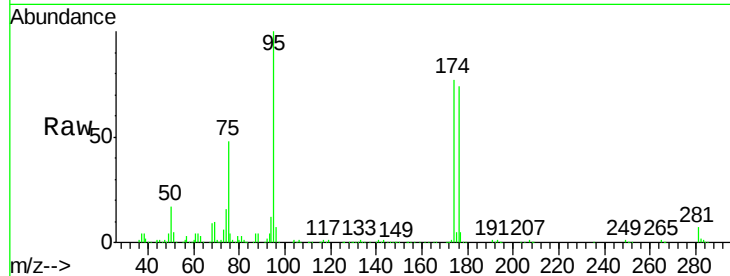
Tgt Ion: 95 Resp: 134515

Ion Ratio Lower Upper

95 100

174 76.2 0.0 143.2

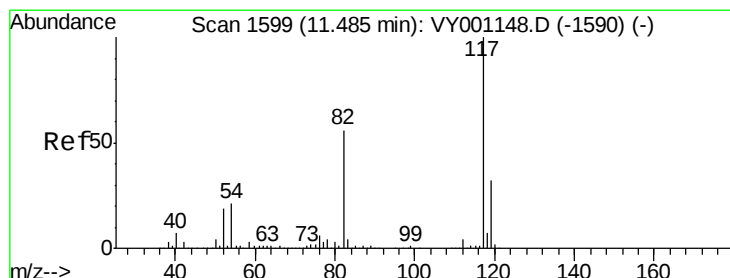
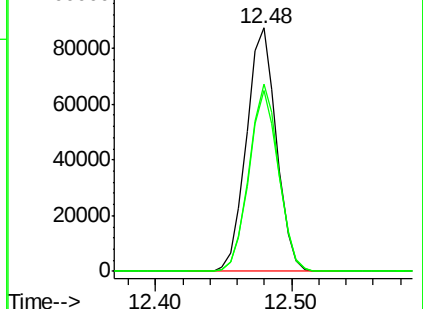
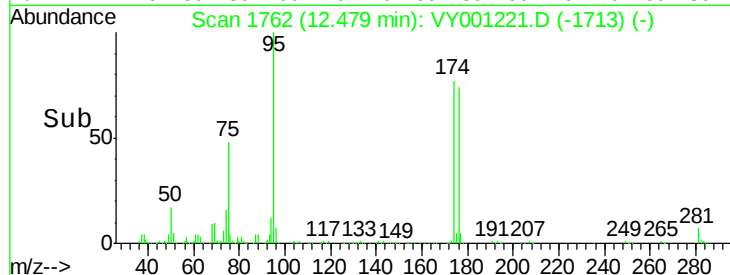
176 74.0 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001221.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY001221.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY001221.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

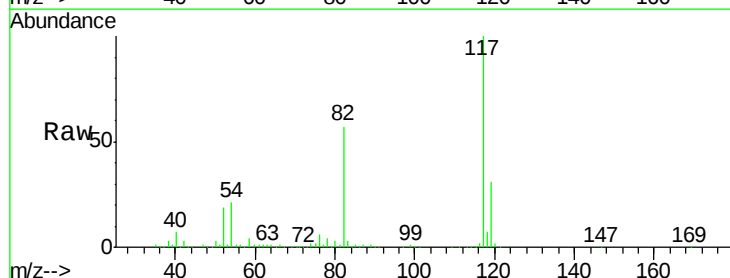
Tgt Ion: 117 Resp: 276408

Ion Ratio Lower Upper

117 100

82 56.6 44.9 67.3

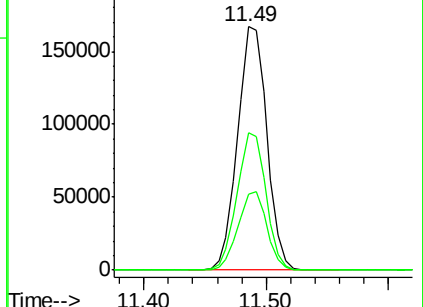
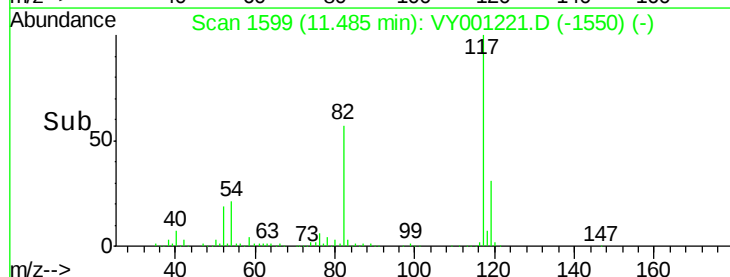
119 31.3 25.7 38.5

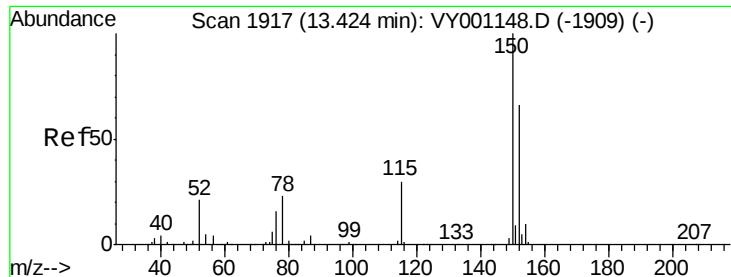


Abundance Ion 116.90 (116.60 to 117.60): VY001221.D (-1550) (-)

Ion 82.00 (81.70 to 82.70): VY001221.D (-1550) (-)

Ion 118.90 (118.60 to 119.60): VY001221.D (-1550) (-)



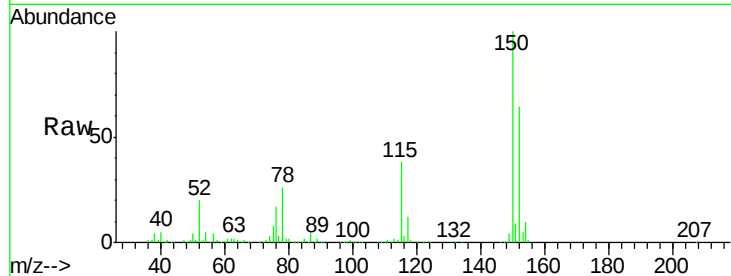


#72

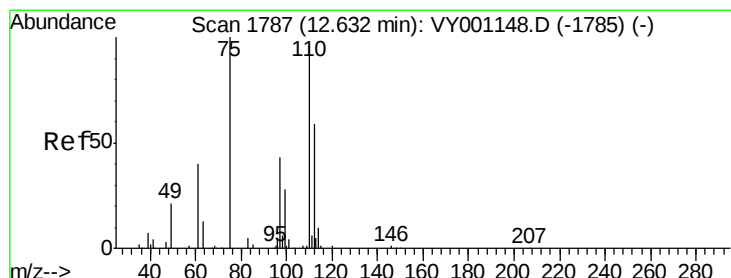
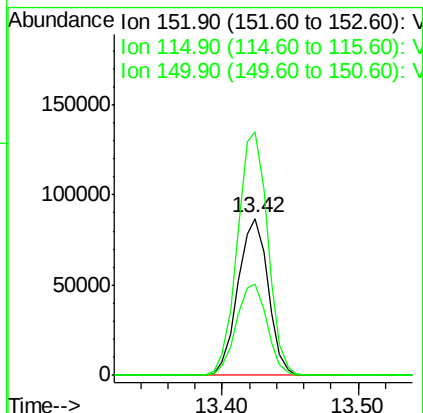
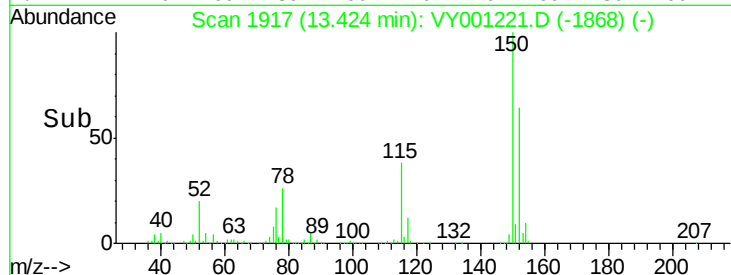
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001221.D
Acq: 15 Jan 2020 16:23

Instrument :
MSVOA_Y
ClientSampleId :
BW-2-45.0

Tgt Ion:152 Resp: 134285
Ion Ratio Lower Upper
152 100
115 59.2 30.9 92.5
150 156.0 0.0 346.8



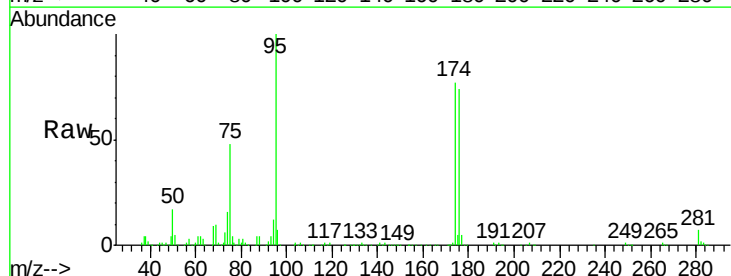
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



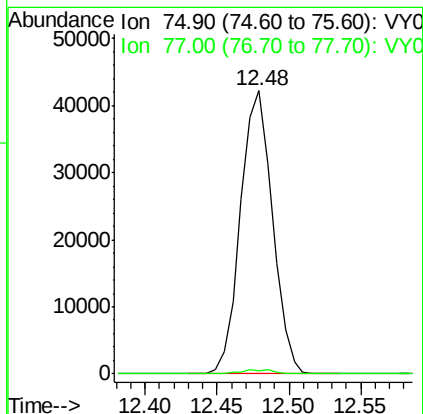
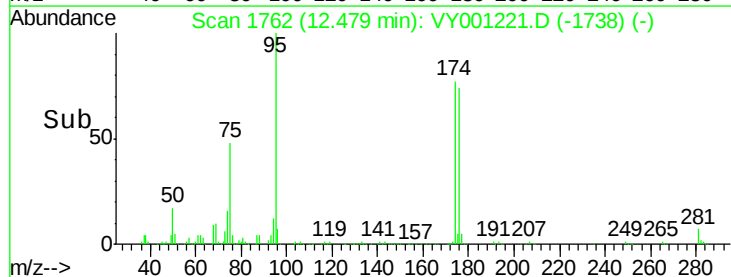
#76

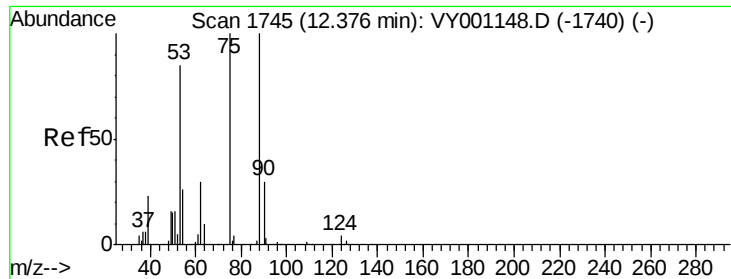
1,2,3-Trichloropropane
Concen: 45.243 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001221.D
Acq: 15 Jan 2020 16:23

Tgt Ion: 75 Resp: 65039
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.723 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001221.D

Acq: 15 Jan 2020 16:23

Instrument :

MSVOA_Y

ClientSampleId :

BW-2-45.0

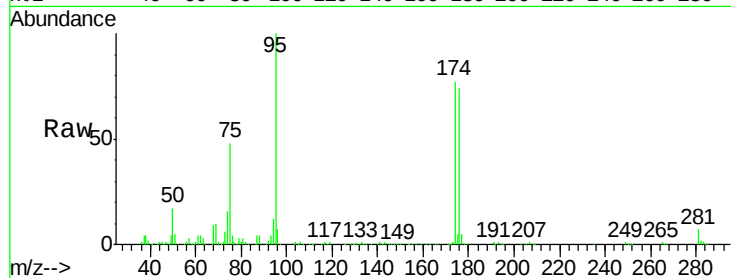
Tgt Ion: 75 Resp: 65039

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

