

Data File : VY001981.D
Acq On : 16 Mar 2020 14:30
Operator : SY/MD
Sample : L1943-01
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-8(4-5)

Quant Time: Mar 17 08:06:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	141340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	274291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	113214	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86755	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	7.74	113	80673	53.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.19	98	333480	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.49	95	114124	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

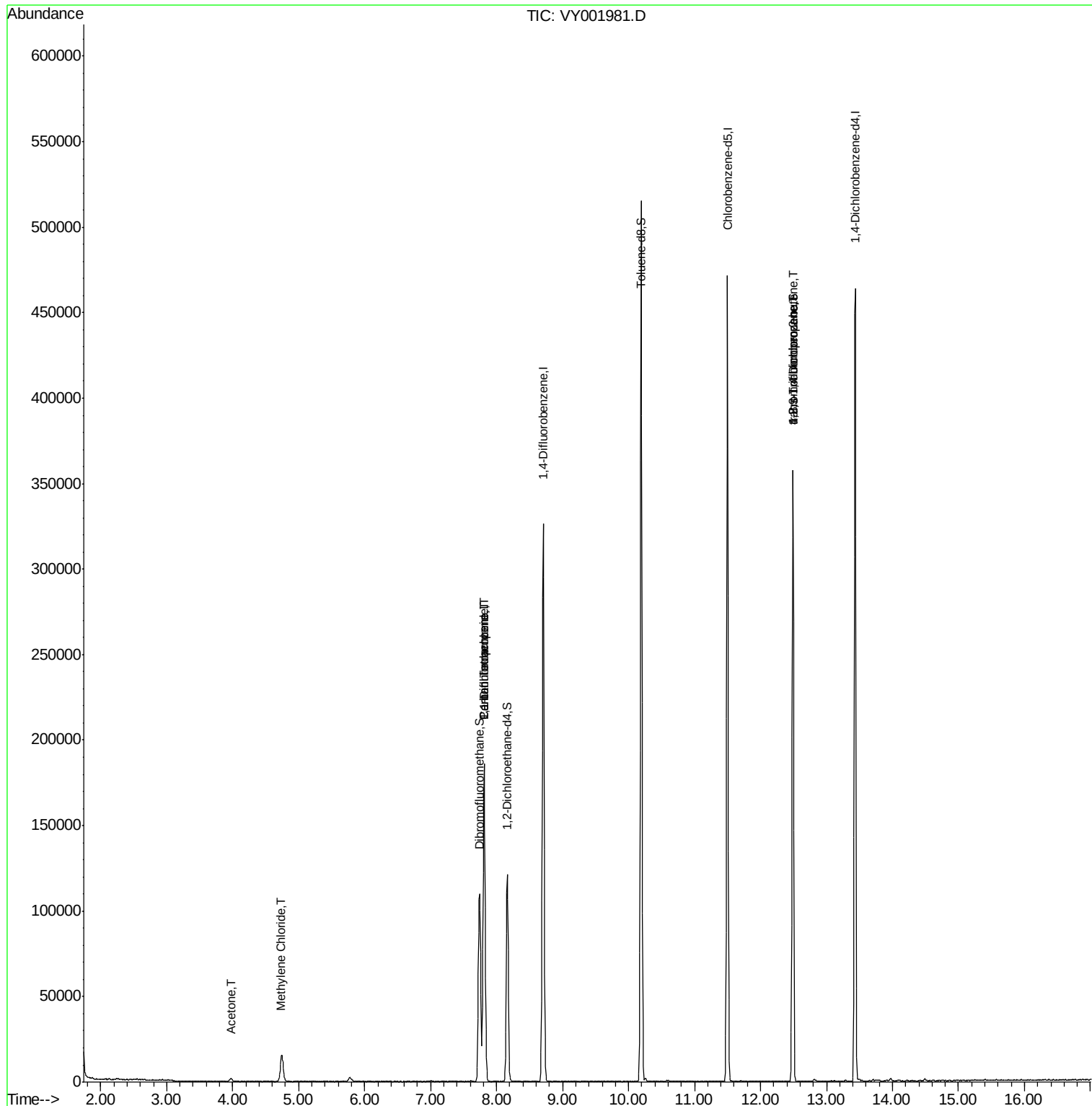
						Qvalue
11) Tert butyl alcohol	4.97	59	132	Below Cal	#	74
16) Acetone	3.98	43	3624	8.246	ug/l	90
20) Methylene Chloride	4.74	84	11732	6.229	ug/l	97
36) 1,1-Dichloropropene	7.81	75	12195	4.620	ug/l #	49
38) Carbon Tetrachloride	7.81	117	14165	6.282	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	58593	43.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58593	88.104	ug/l #	17

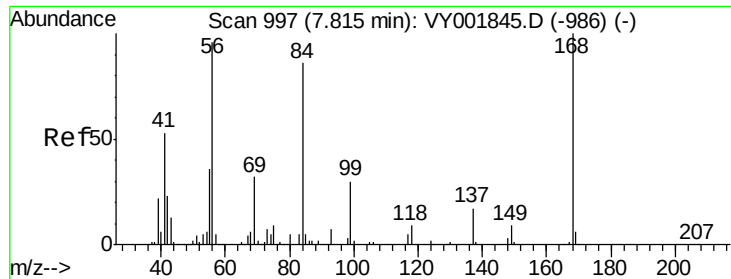
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Instrument :

MSVOA_Y

ClientSampleId :

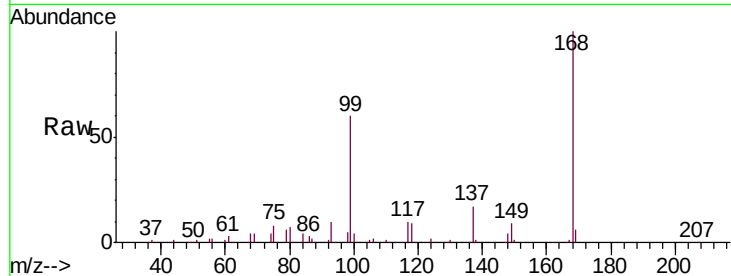
TP-8(4-5)

Tgt Ion:168 Resp: 141340

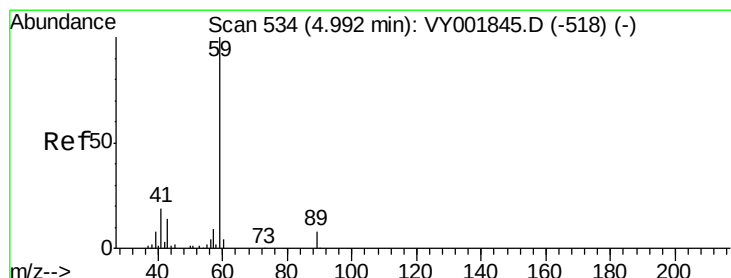
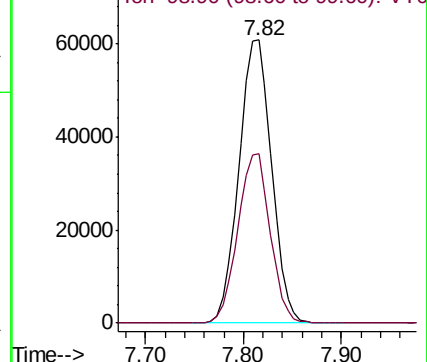
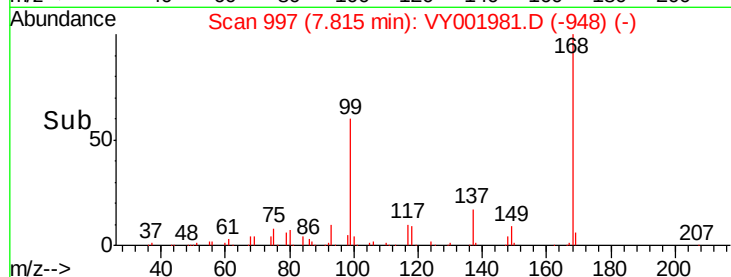
Ion Ratio Lower Upper

168 100

99 60.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001981.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001981.D

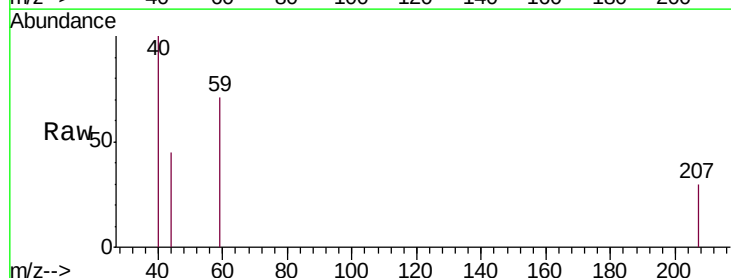
Acq: 16 Mar 2020 14:30

Tgt Ion: 59 Resp: 132

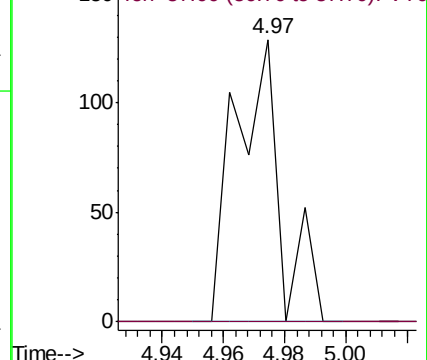
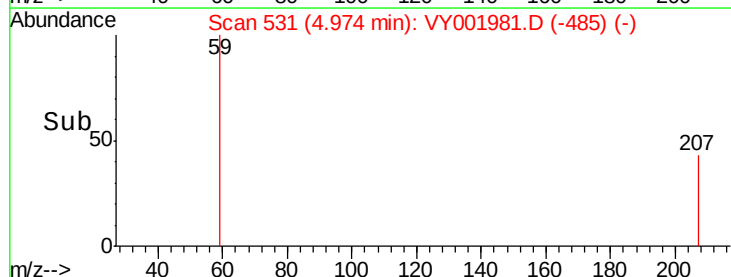
Ion Ratio Lower Upper

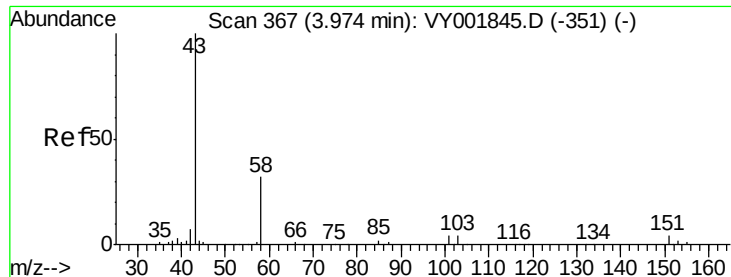
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001981.D (-485) (-)





#16

Acetone

Concen: 8.246 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Instrument :

MSVOA_Y

ClientSampleId :

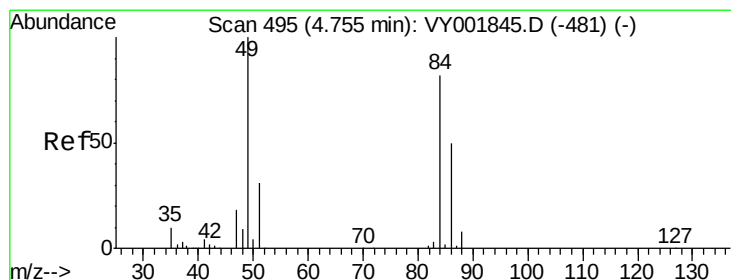
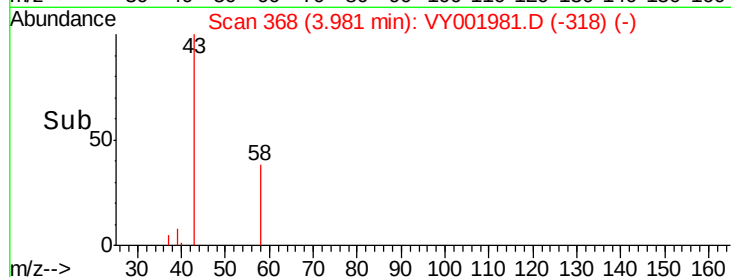
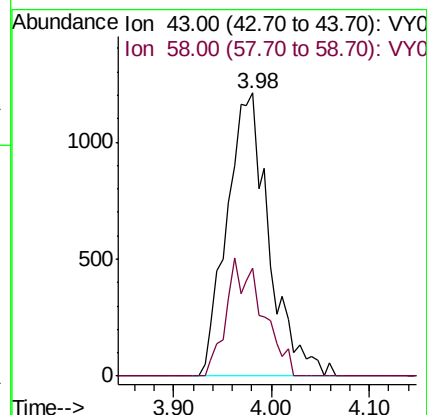
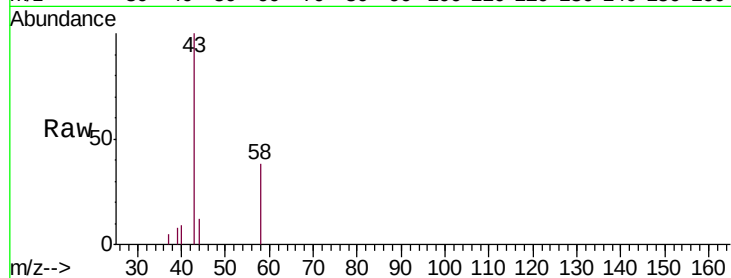
TP-8(4-5)

Tgt Ion: 43 Resp: 3624

Ion Ratio Lower Upper

43 100

58 38.0 25.9 38.9



#20

Methylene Chloride

Concen: 6.229 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Tgt Ion: 84 Resp: 11732

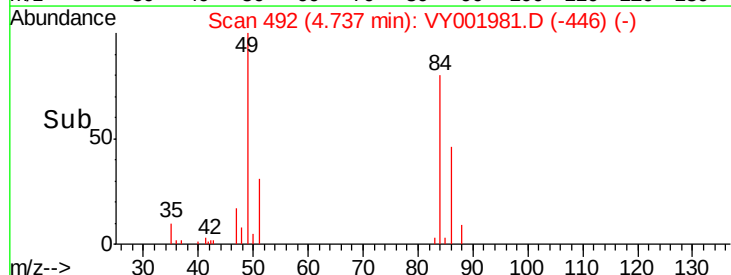
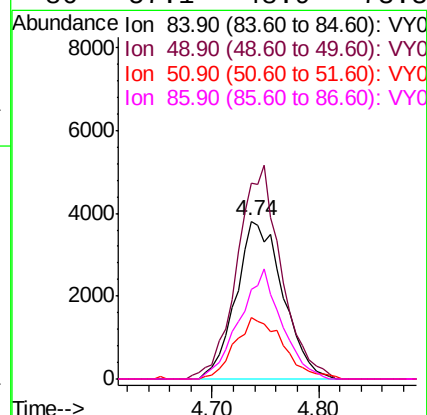
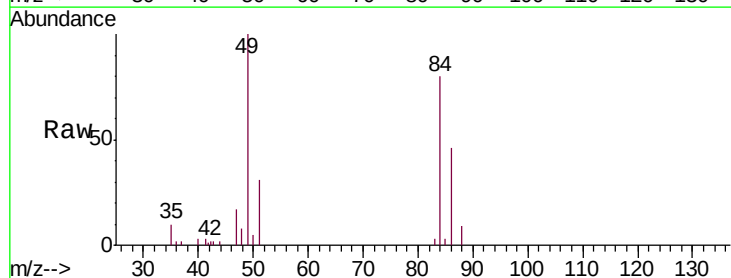
Ion Ratio Lower Upper

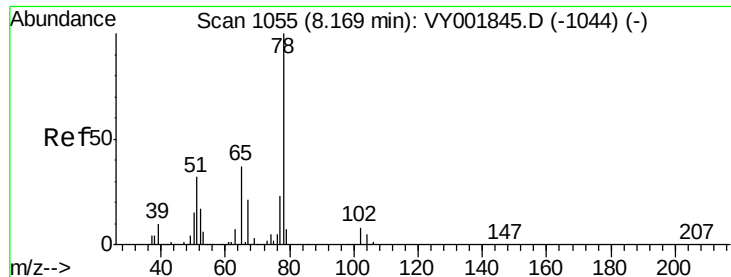
84 100

49 124.3 98.2 147.2

51 38.9 30.2 45.2

86 57.1 48.9 73.3

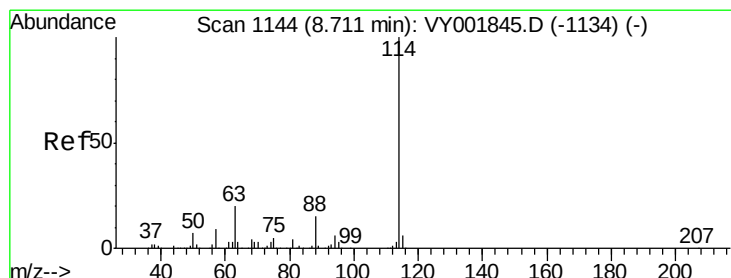
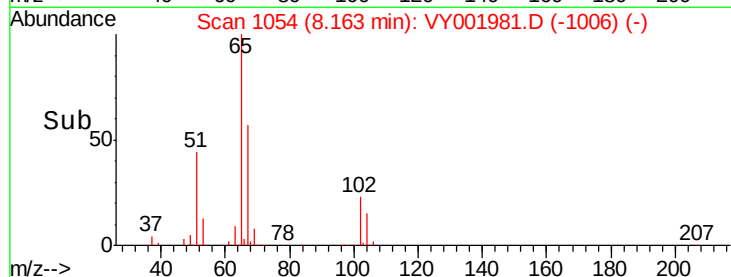
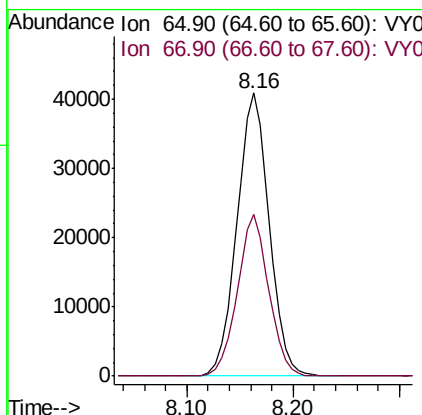
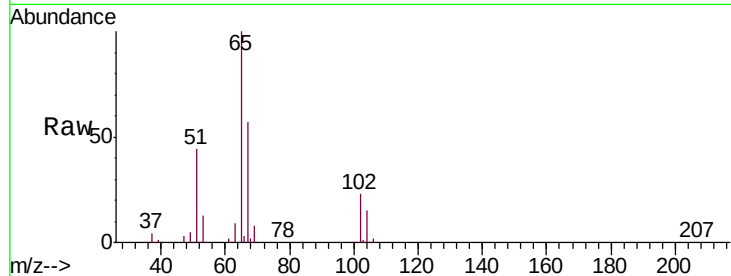




#33
 1,2-Dichloroethane-d4
 Concen: 57.496 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001981.D
 Acq: 16 Mar 2020 14:30

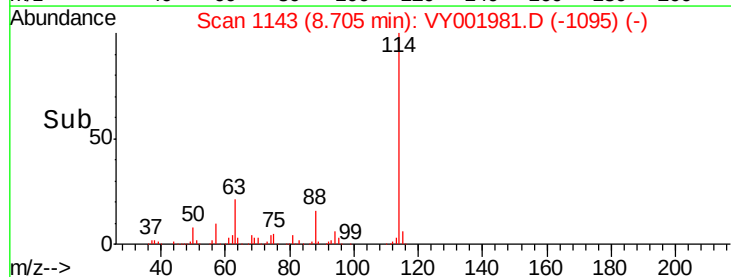
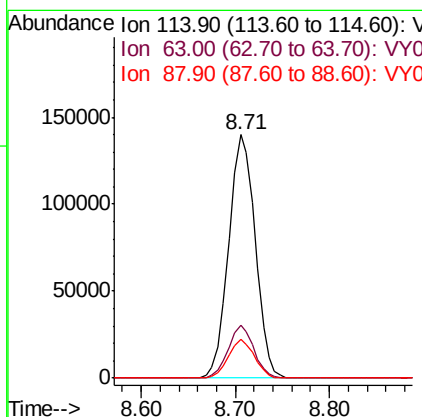
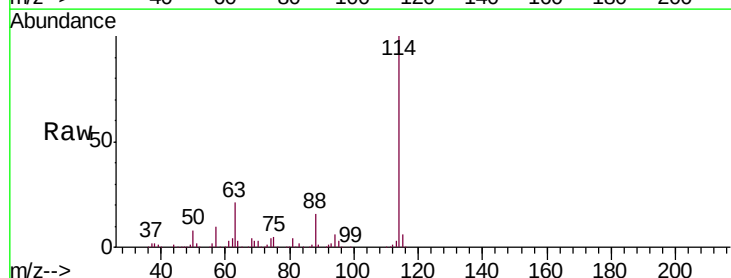
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8(4-5)

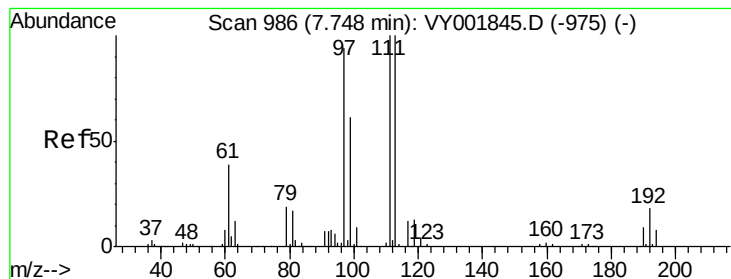
Tgt Ion: 65 Resp: 86755
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001981.D
 Acq: 16 Mar 2020 14:30

Tgt Ion: 114 Resp: 274291
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.4
 88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.863 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-8(4-5)

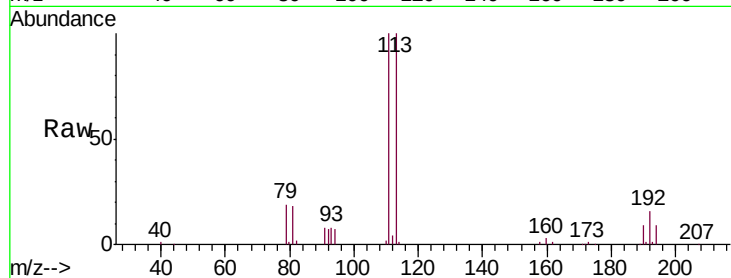
Tgt Ion:113 Resp: 80673

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

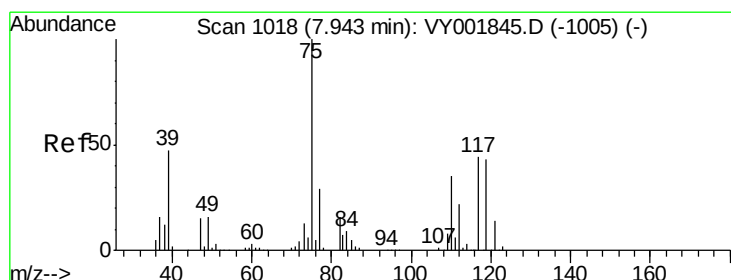
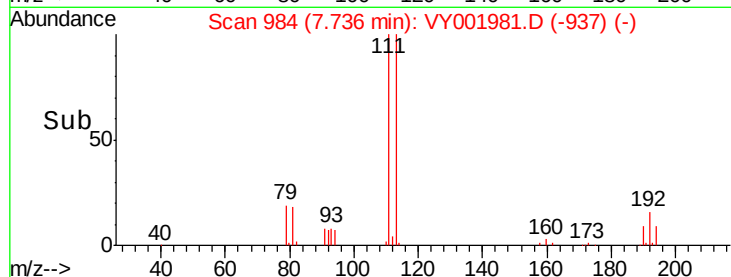
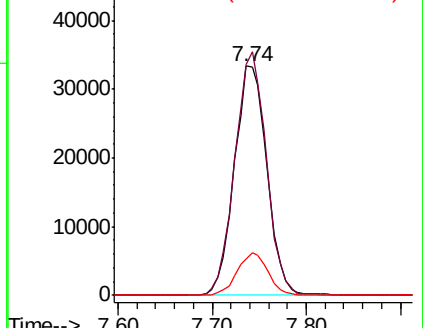
192 17.5 14.2 21.2



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: 4.620 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

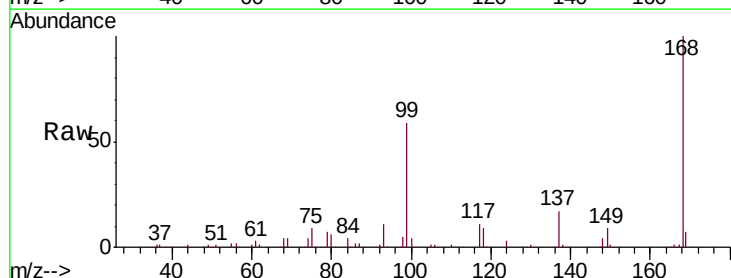
Tgt Ion: 75 Resp: 12195

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.2#

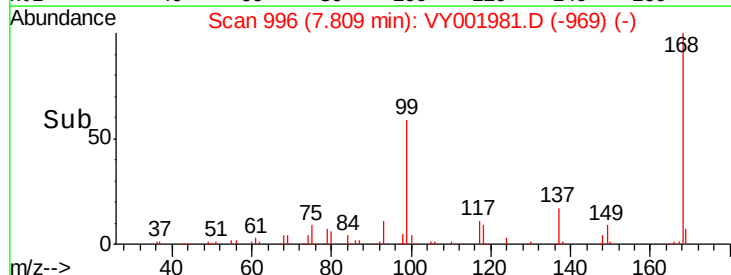
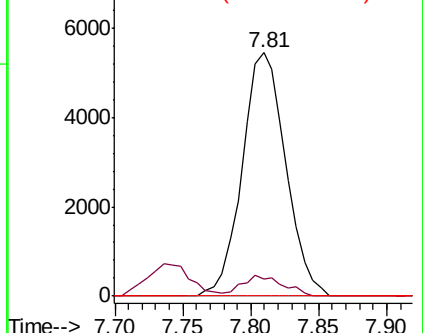
77 0.0 24.2 36.2#

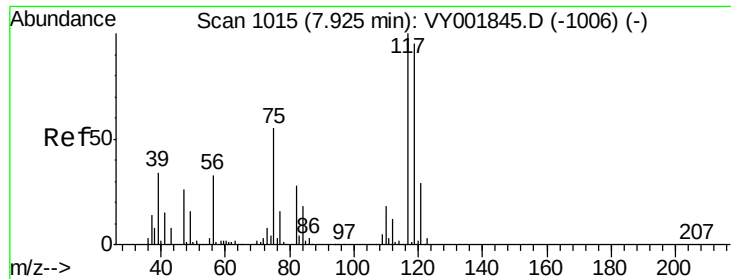


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

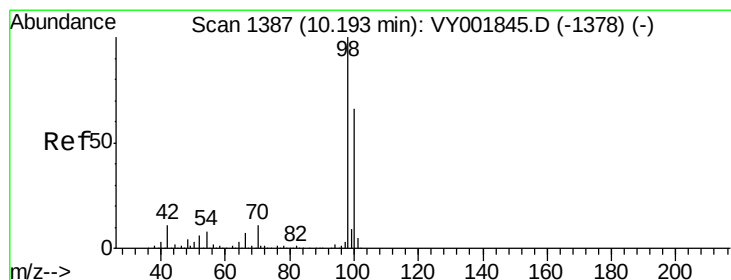
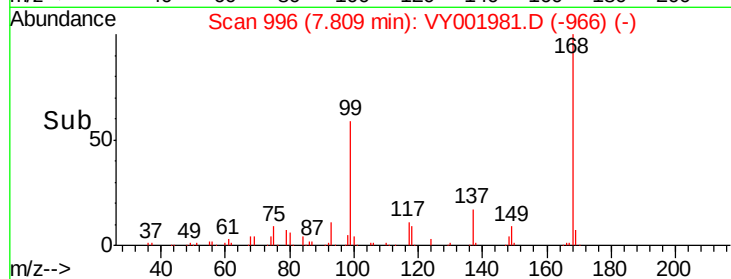
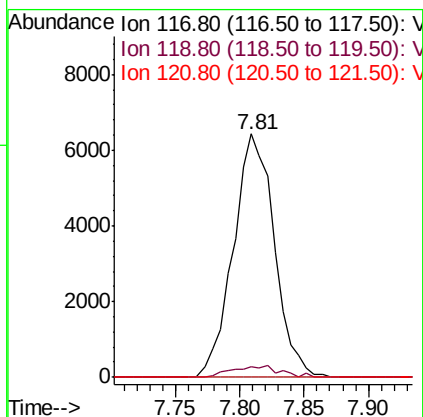
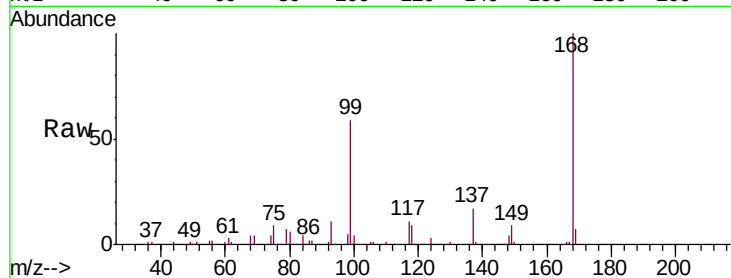




#38
Carbon Tetrachloride
Concen: 6.282 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001981.D
Acq: 16 Mar 2020 14:30

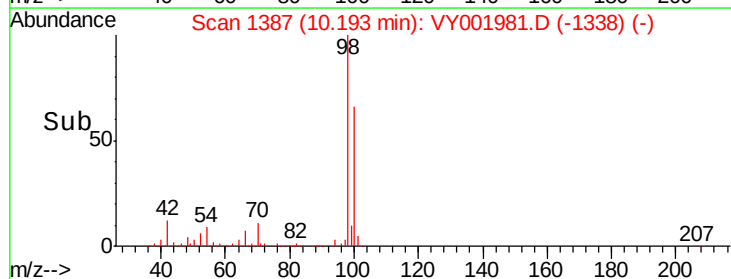
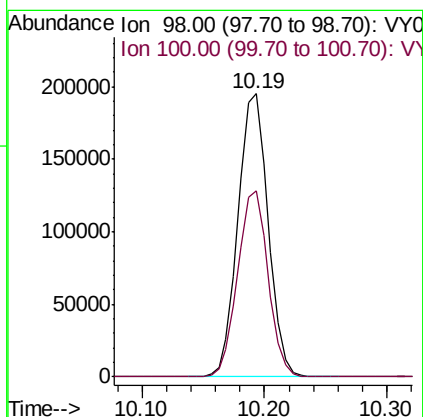
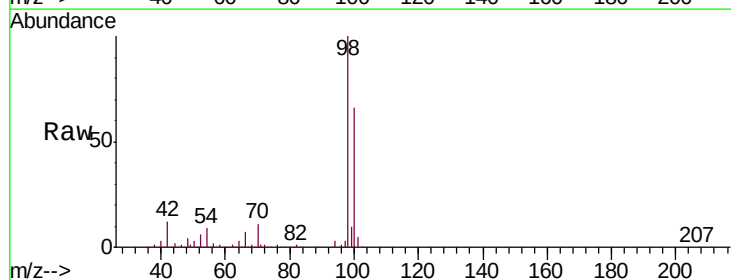
Instrument :
MSVOA_Y
ClientSampleId :
TP-8(4-5)

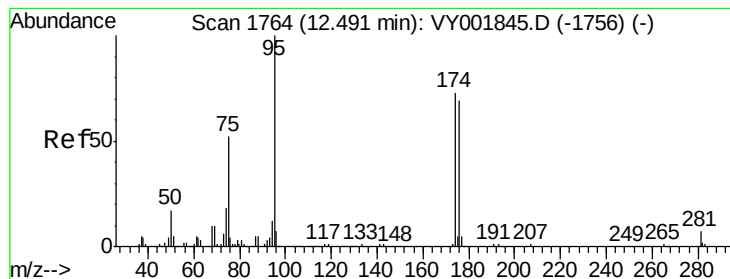
Tgt Ion:117 Resp: 14165
Ion Ratio Lower Upper
117 100
119 4.4 76.3 114.5#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 52.801 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001981.D
Acq: 16 Mar 2020 14:30

Tgt Ion: 98 Resp: 333480
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 51.967 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-8(4-5)

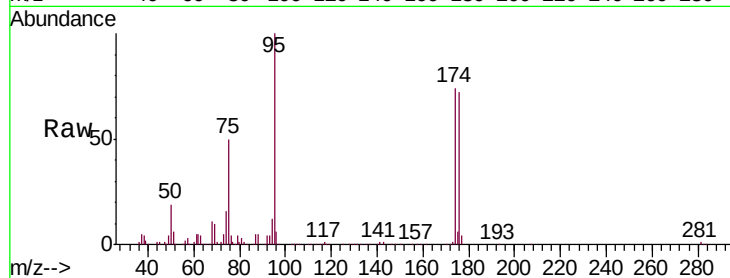
Tgt Ion: 95 Resp: 114124

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.0

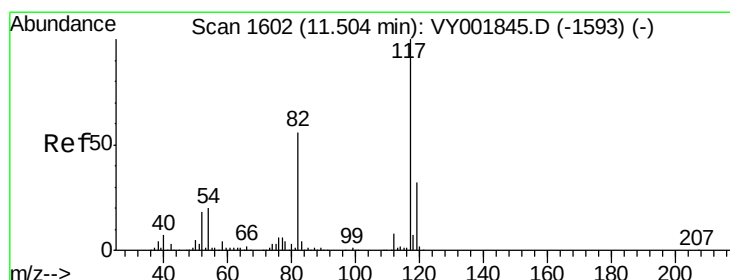
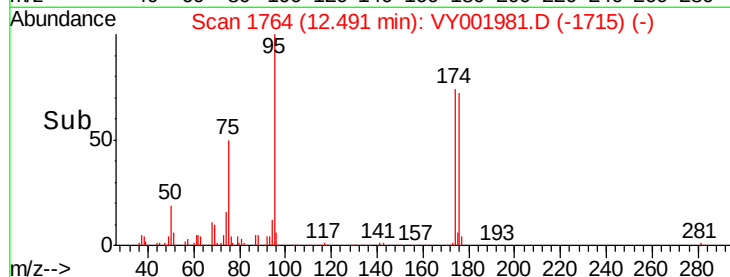
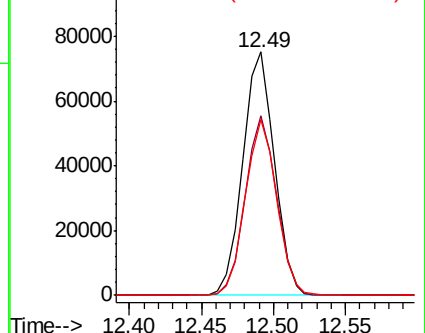
176 71.5 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

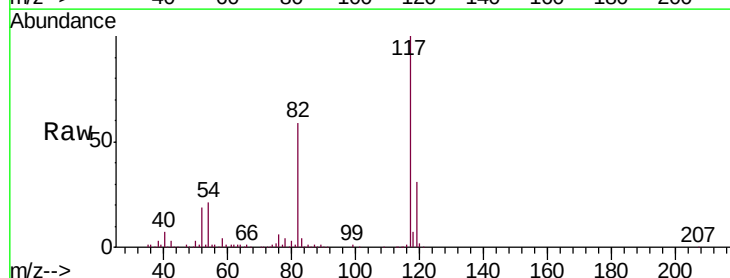
Tgt Ion: 117 Resp: 252622

Ion Ratio Lower Upper

117 100

82 58.8 44.5 66.7

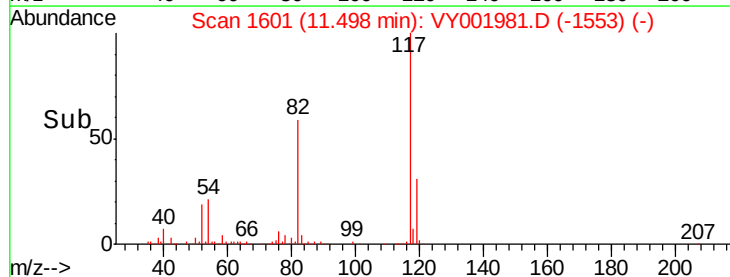
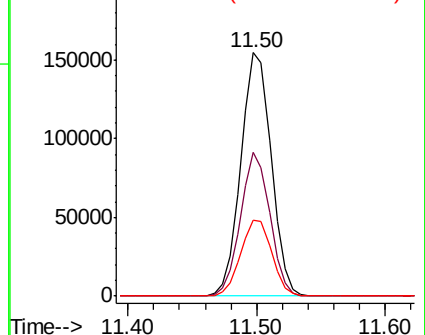
119 31.4 25.7 38.5

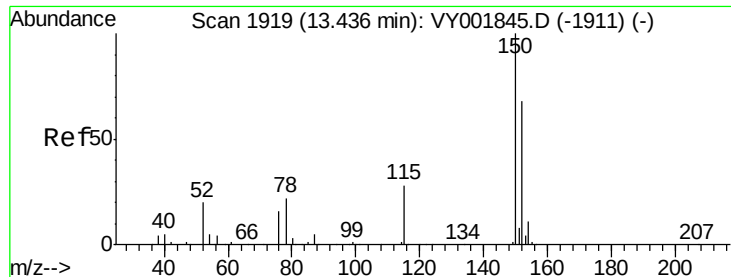


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-8(4-5)

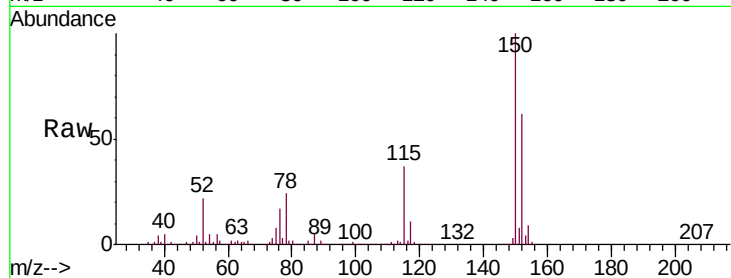
Tgt Ion:152 Resp: 113214

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

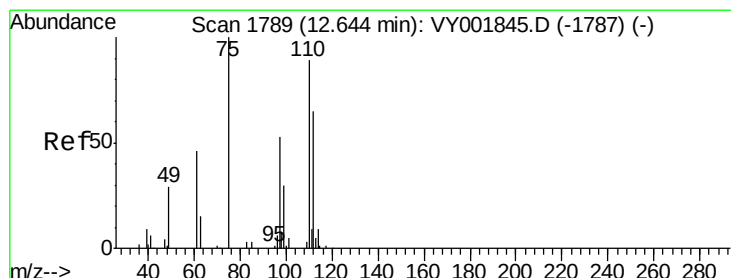
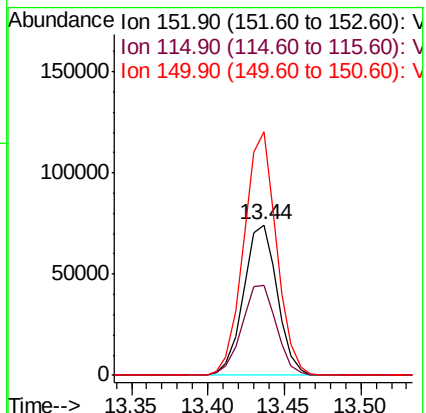
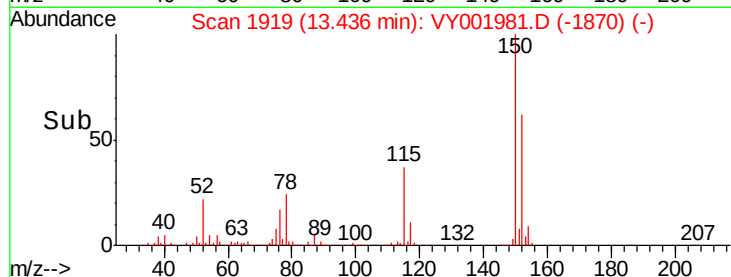
150 157.2 0.0 340.6



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: 43.617 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001981.D

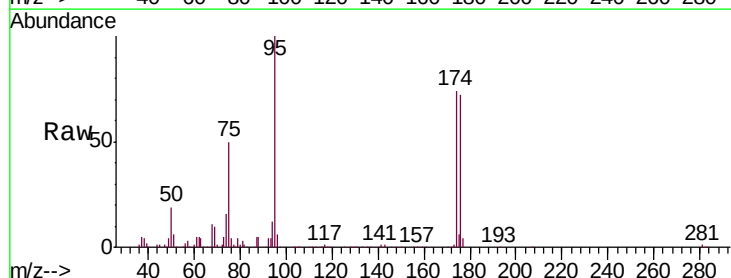
Acq: 16 Mar 2020 14:30

Tgt Ion: 75 Resp: 58593

Ion Ratio Lower Upper

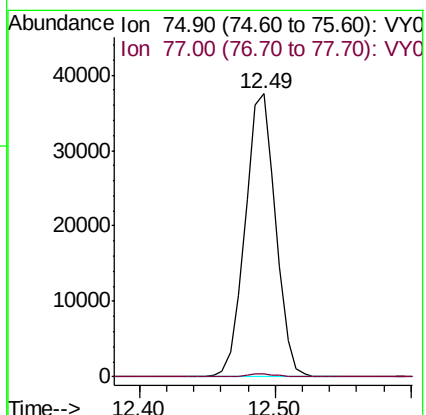
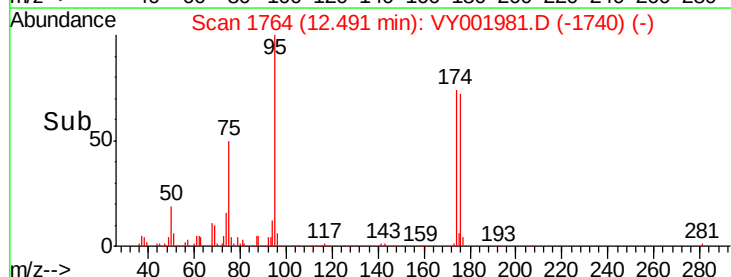
75 100

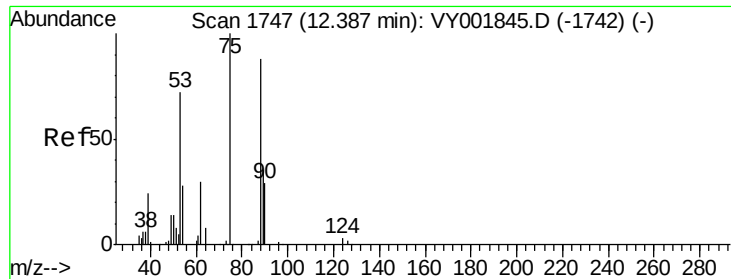
77 1.2 0.0 0.0#



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: 88.104 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001981.D

Acq: 16 Mar 2020 14:30

Instrument :

MSVOA_Y

ClientSampleId :

TP-8(4-5)

Tgt Ion: 75 Resp: 58593

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

