

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002685.D
 Acq On : 13 May 2020 15:24
 Operator : SY/MD
 Sample : L2605-04RE
 Misc : 3.74G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:56:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

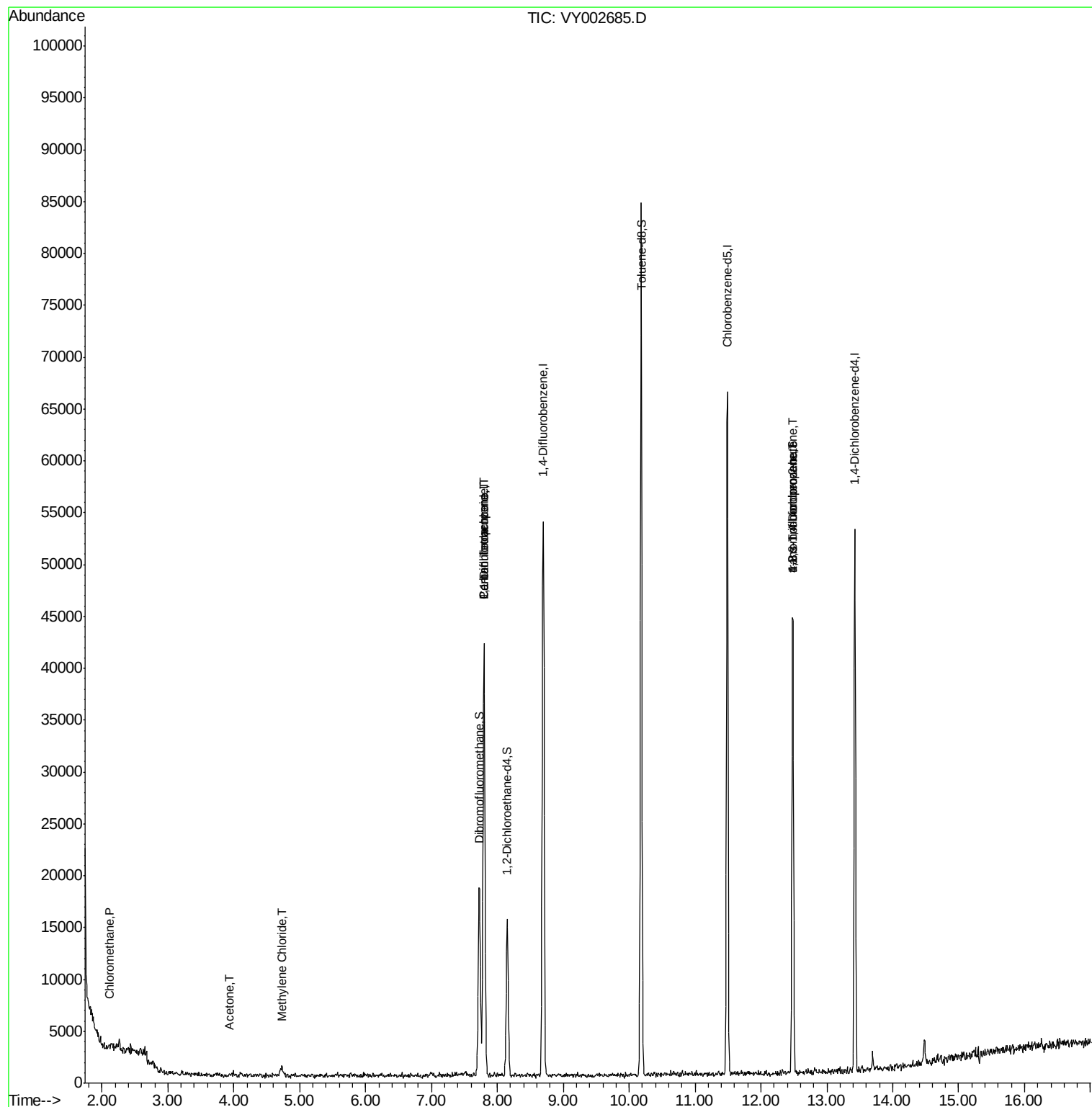
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	33125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	50064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	40267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	13933	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	11781	42.30	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.60%	
35) Dibromofluoromethane	7.72	113	13551	47.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.66%	
50) Toluene-d8	10.18	98	56713	50.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.48	95	14703	38.75	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	77.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	304	1.133	ug/l #	42
16) Acetone	3.94	43	145	2.523	ug/l #	41
20) Methylene Chloride	4.73	84	665	2.069	ug/l #	81
36) 1,1-Dichloropropene	7.80	75	2111	5.030	ug/l #	42
38) Carbon Tetrachloride	7.80	117	2873	6.270	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	7049	56.930	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	7049	114.156	ug/l #	15

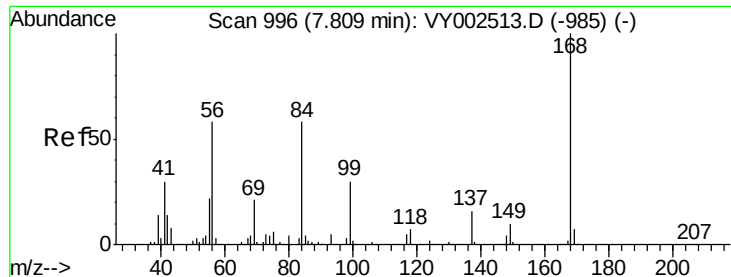
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

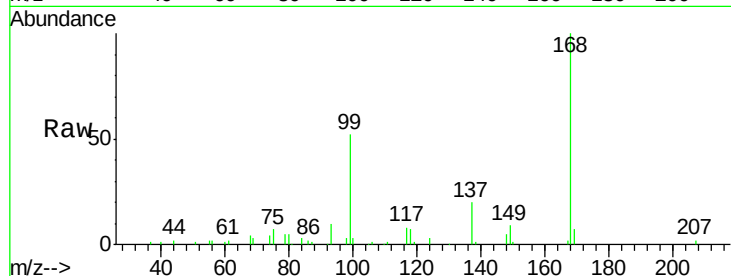
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 33125

Ion Ratio Lower Upper

168 100

99 52.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002685.D (-947) (-)

15000

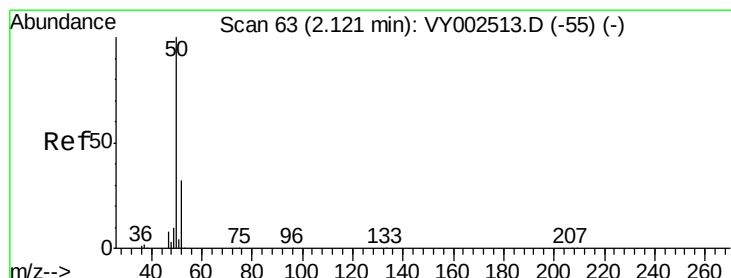
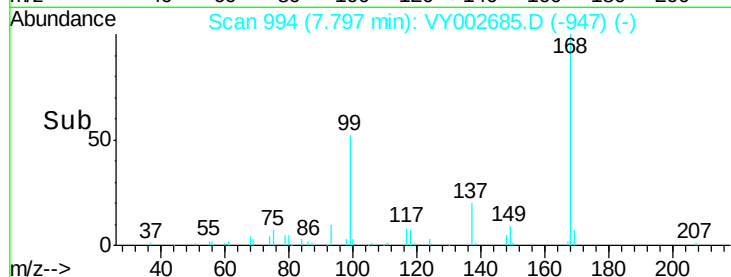
10000

5000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#3

Chloromethane

Concen: 1.133 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002685.D

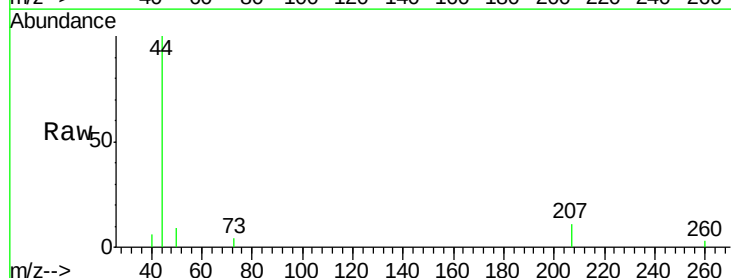
Acq: 13 May 2020 15:24

Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VY002513.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002685.D (-14) (-)

250

200

150

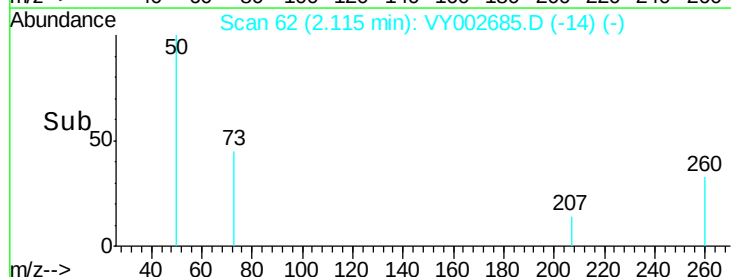
100

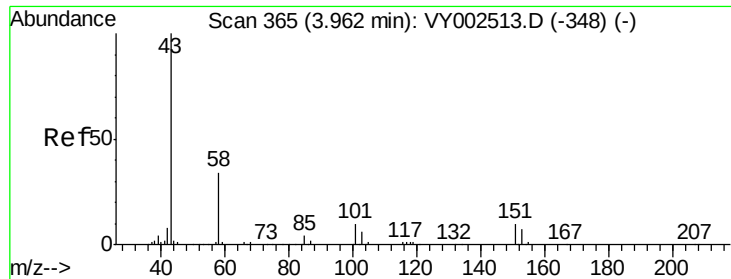
50

0

2.10 2.15

Time-->





#16

Acetone

Concen: 2.523 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.02 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

Instrument :

MSVOA_Y

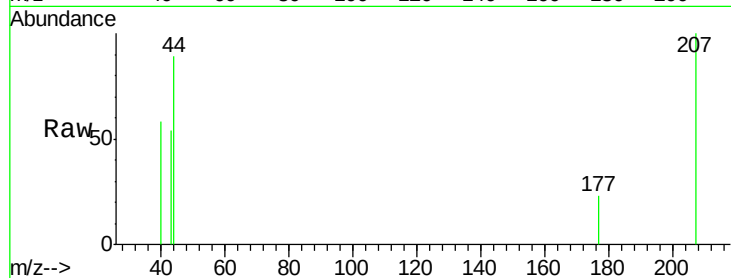
ClientSampleId :

Tot Ion: 43 Resp: 145

Ion Ratio Lower Upper

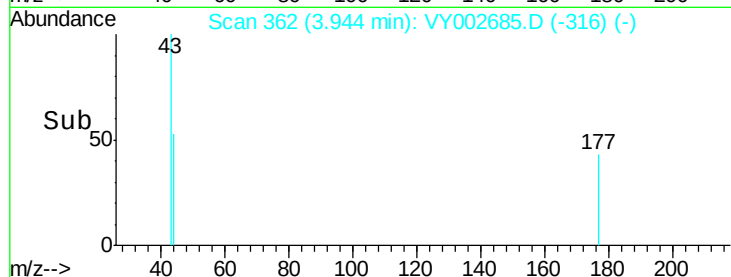
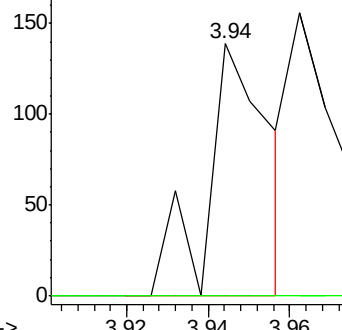
43 100

58 0.0 26.9 40.3#

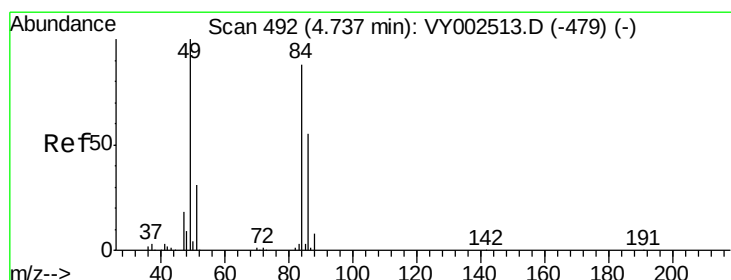


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 2.069 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

Tgt Ion: 84 Resp: 665

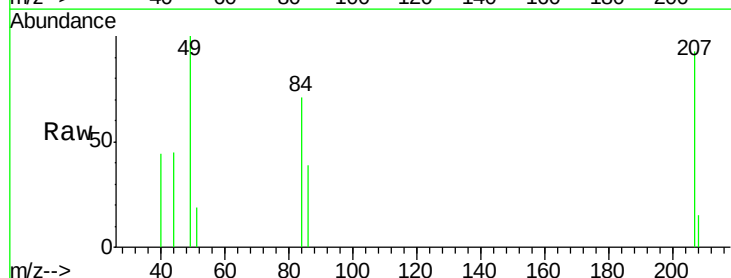
Ion Ratio Lower Upper

84 100

49 140.0 90.5 135.7#

51 25.9 28.3 42.5#

86 54.8 49.9 74.9

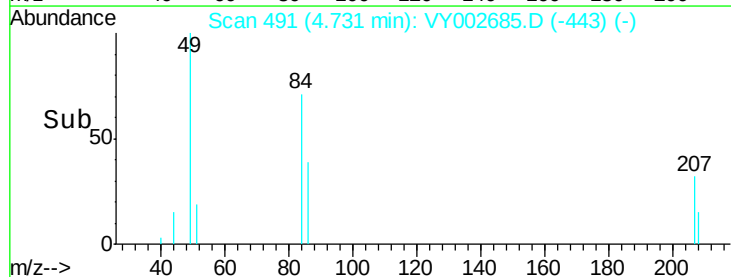
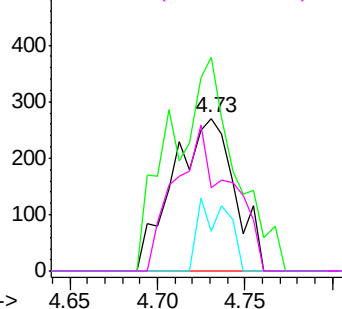


Abundance Ion 83.90 (83.60 to 84.60): VY0

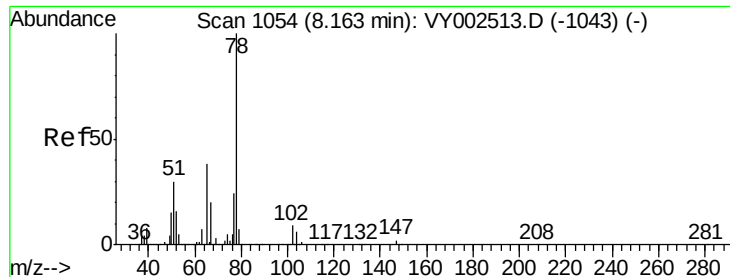
Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



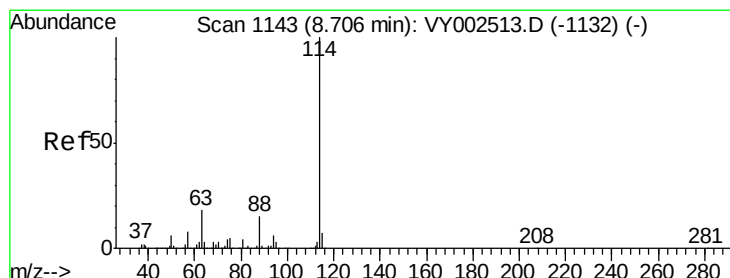
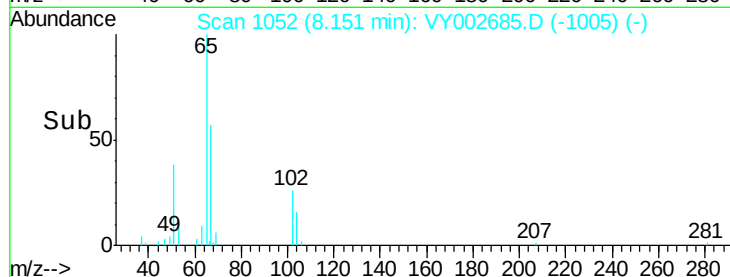
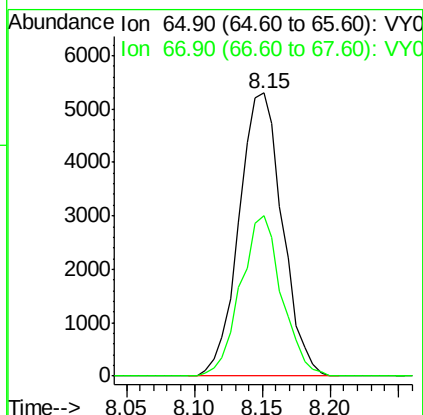
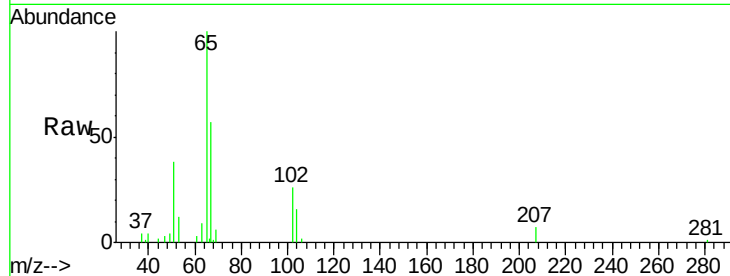
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 42.298 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002685.D
 Acq: 13 May 2020 15:24

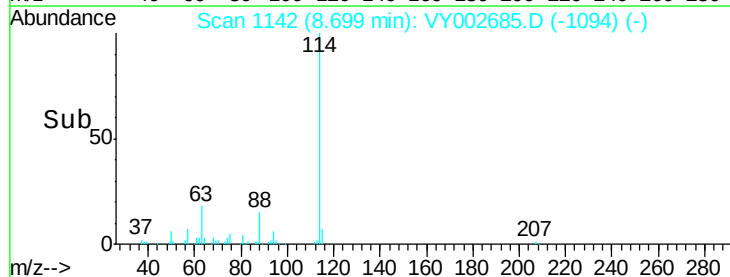
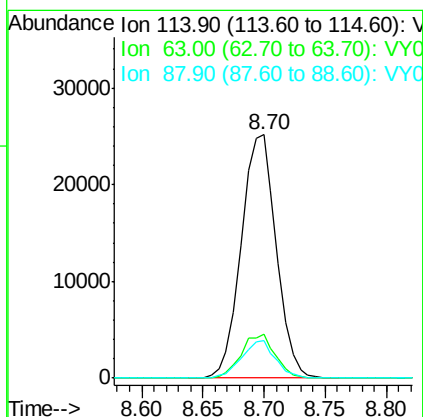
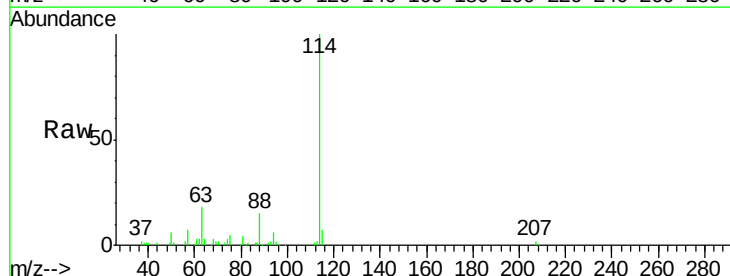
Instrument :
 MSVOA_Y
 ClientSampleId :

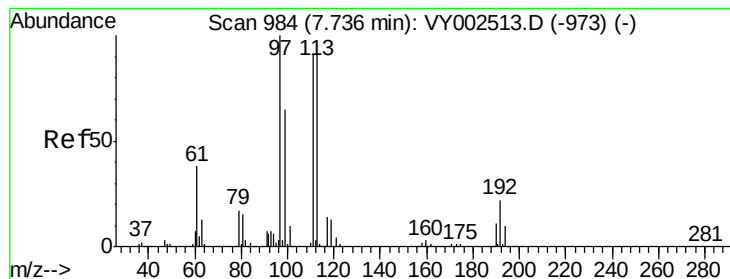
Tot Ion: 65 Resp: 11781
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002685.D
 Acq: 13 May 2020 15:24

Tgt Ion: 114 Resp: 50064
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.329 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

Instrument :
MSVOA_Y
ClientSampleId :

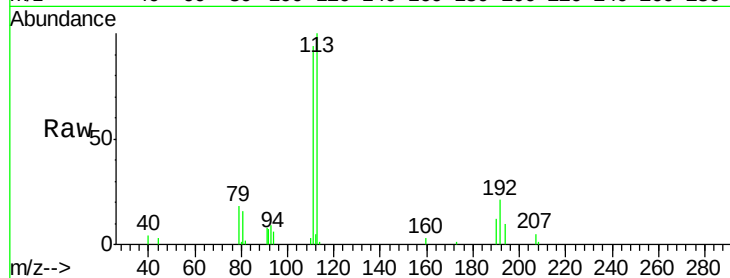
Tot Ion:113 Resp: 13551

Ion Ratio Lower Upper

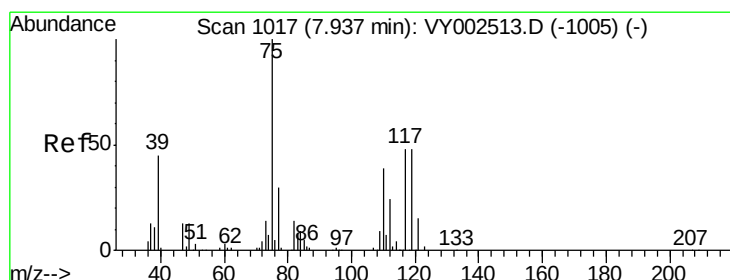
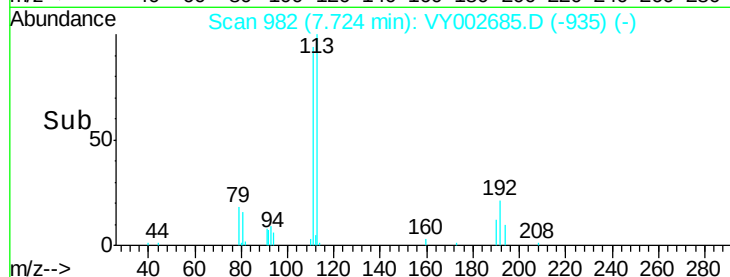
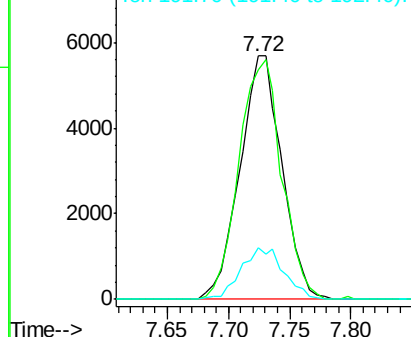
113 100

111 100.4 81.8 122.6

192 21.6 18.2 27.4



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: 5.030 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

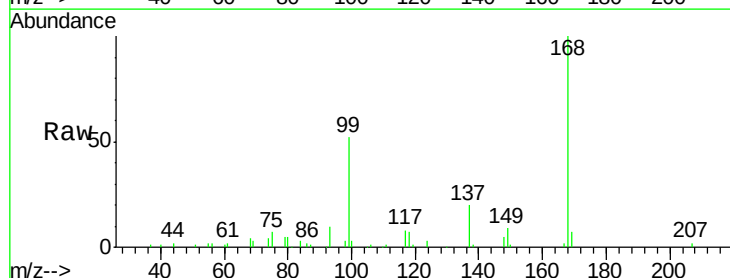
Tgt Ion: 75 Resp: 2111

Ion Ratio Lower Upper

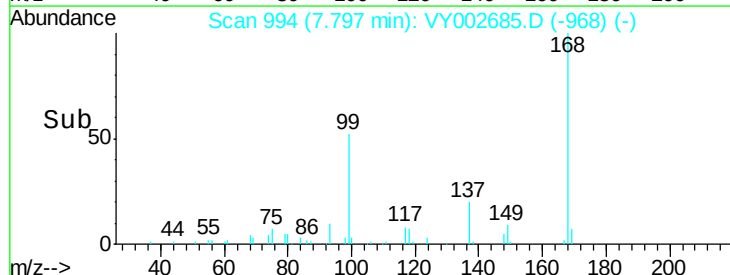
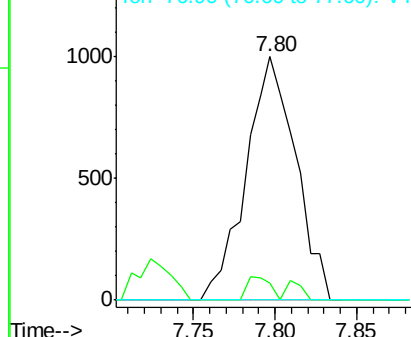
75 100

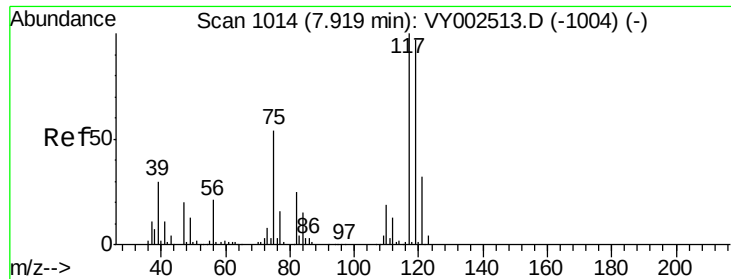
110 2.4 19.1 57.3#

77 0.0 24.6 37.0#



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

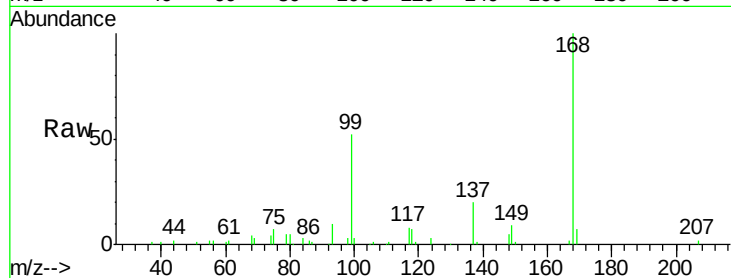




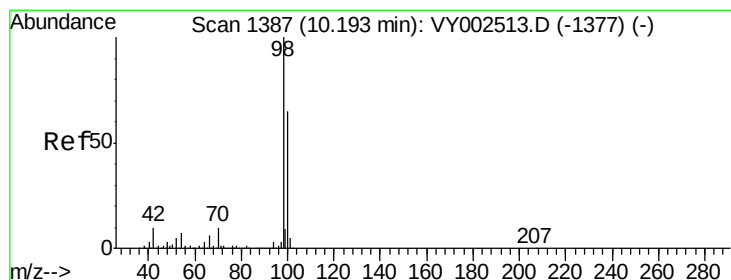
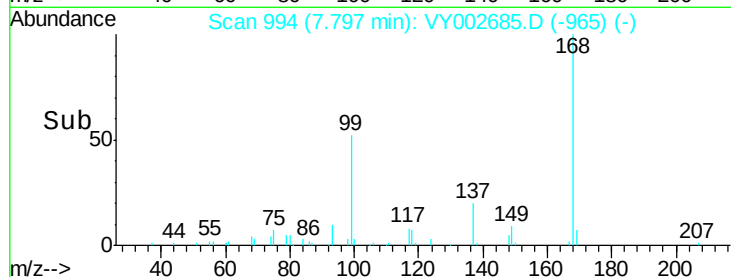
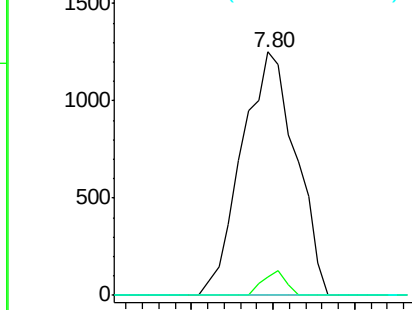
#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002685.D
Acq: 13 May 2020 15:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 2873
Ion Ratio Lower Upper
117 100
119 7.7 77.1 115.7#
121 0.0 25.2 37.8#

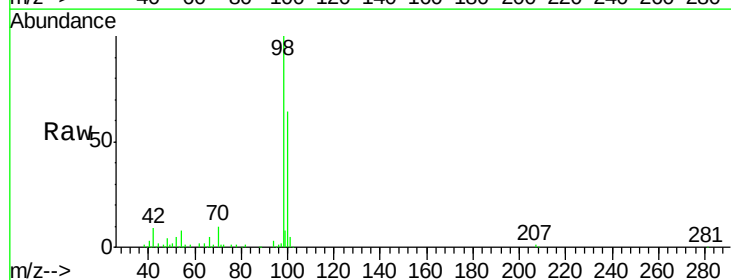


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

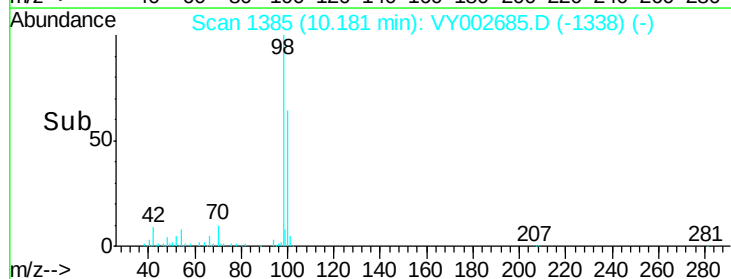
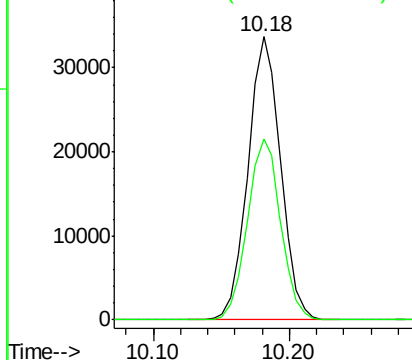


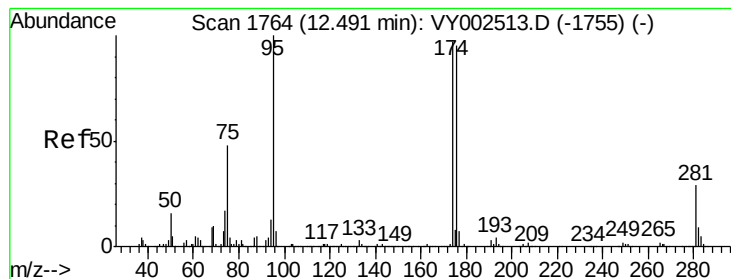
#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002685.D
Acq: 13 May 2020 15:24

Tgt Ion: 98 Resp: 56713
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 38.753 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

Instrument :

MSVOA_Y

ClientSampleId :

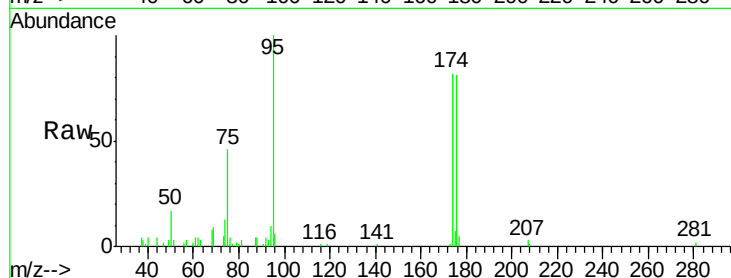
Tot Ion: 95 Resp: 14703

Ion Ratio Lower Upper

95 100

174 93.4 0.0 188.8

176 88.6 0.0 183.2



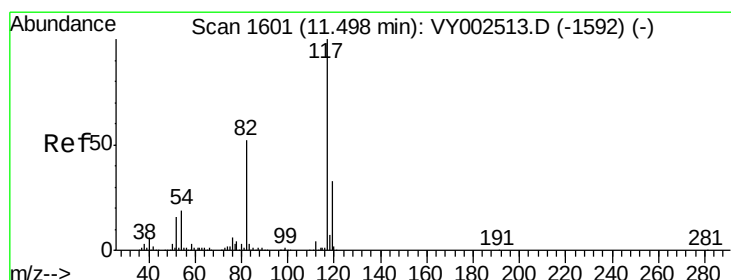
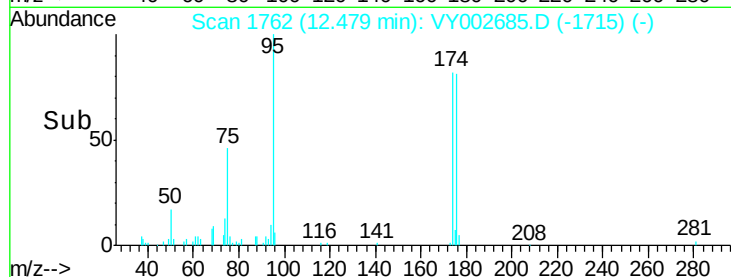
Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

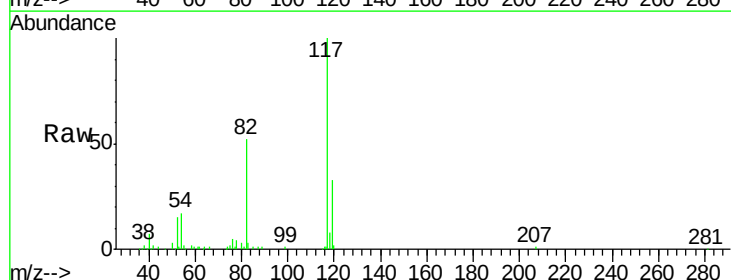
Tgt Ion: 117 Resp: 40267

Ion Ratio Lower Upper

117 100

82 51.9 41.3 61.9

119 32.9 26.0 39.0



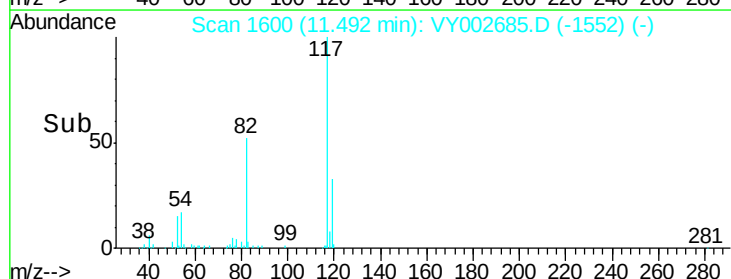
Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

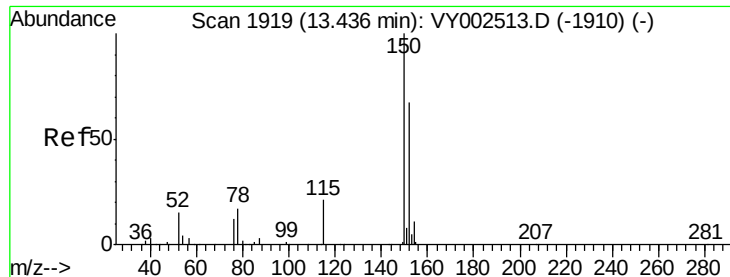
Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)

11.49

Time-->



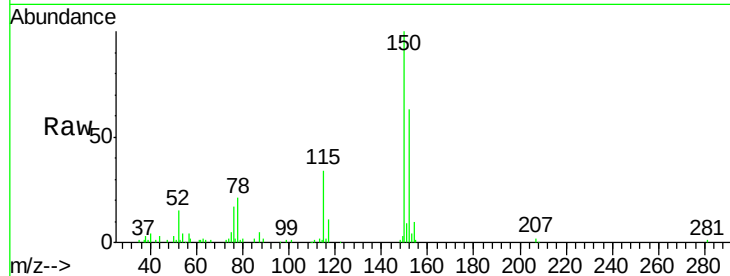


#72

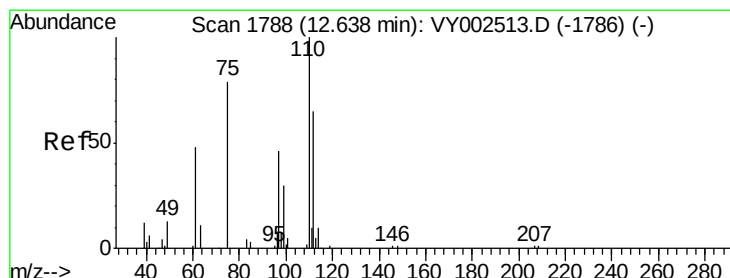
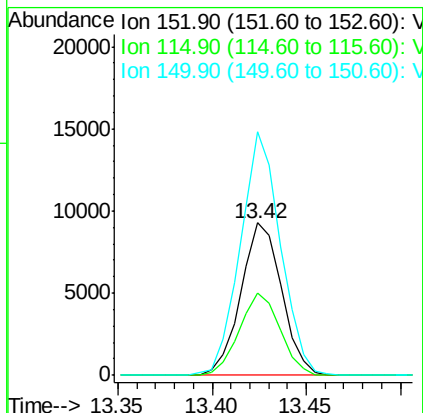
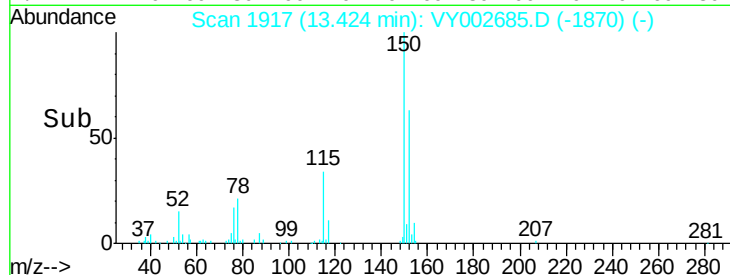
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002685.D
Acq: 13 May 2020 15:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.5	82.4
150	157.0	0.0	346.4



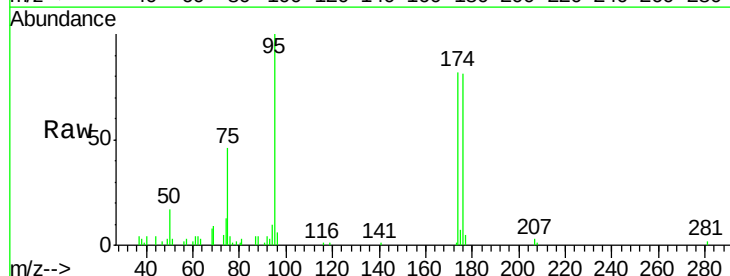
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



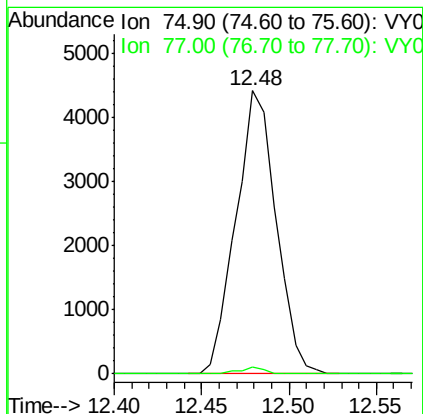
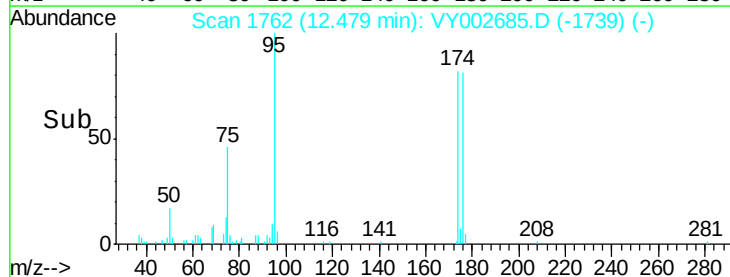
#76

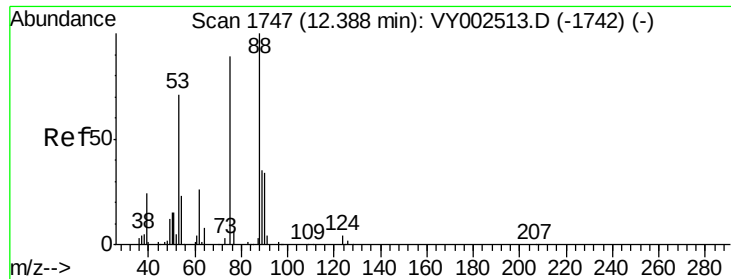
1,2,3-Trichloropropane
Concen: 56.930 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002685.D
Acq: 13 May 2020 15:24

Tgt 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: 114.156 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002685.D

Acq: 13 May 2020 15:24

Instrument :

MSVOA_Y

ClientSampleId :

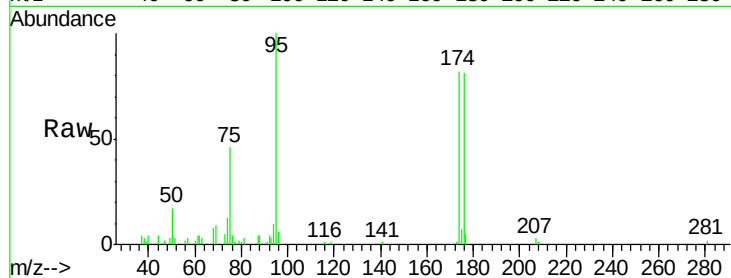
Tot Ion: 75 Resp: 7049

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#



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

