

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002677.D
 Acq On : 13 May 2020 12:26
 Operator : SY/MD
 Sample : L2605-04
 Misc : 7.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:54:07 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

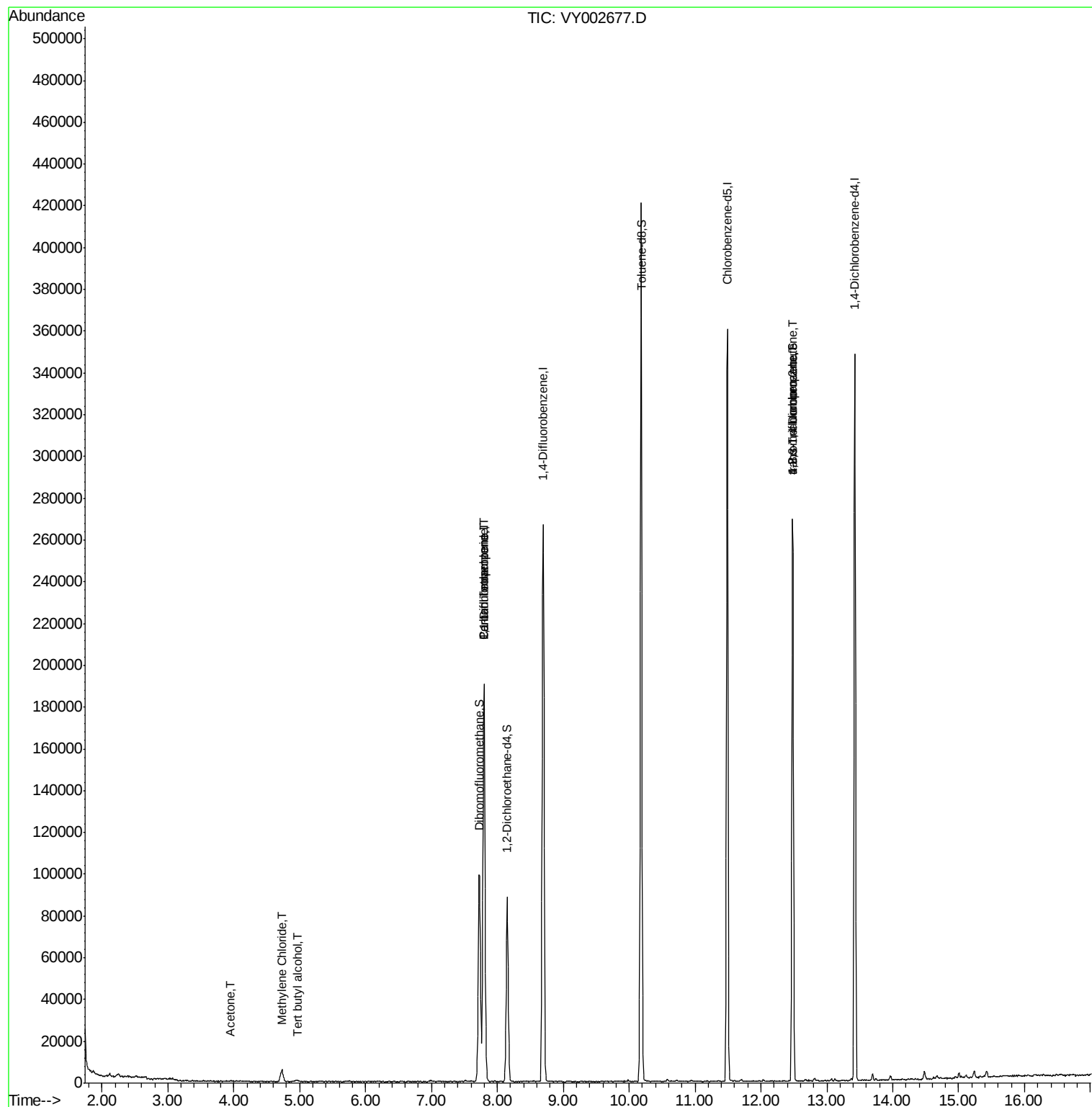
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	162339	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	244722	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	210420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	94466	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	65706	48.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.73	113	71690	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.18	98	283342	51.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.48	95	84843	45.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.50%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	1306	9.300	ug/l #	74
16) Acetone	3.95	43	505	1.793	ug/l #	85
20) Methylene Chloride	4.73	84	4163	2.643	ug/l	91
36) 1,1-Dichloropropene	7.80	75	10028	4.888	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14258	6.366	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	39497	47.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	39497	94.342	ug/l #	15

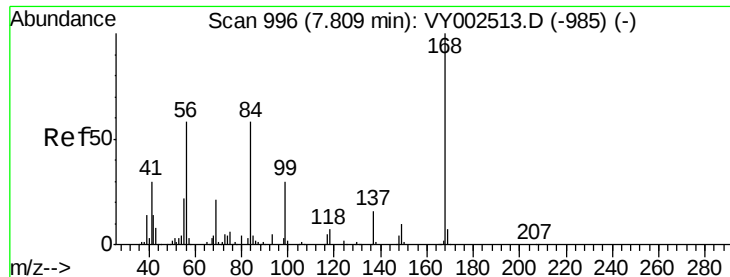
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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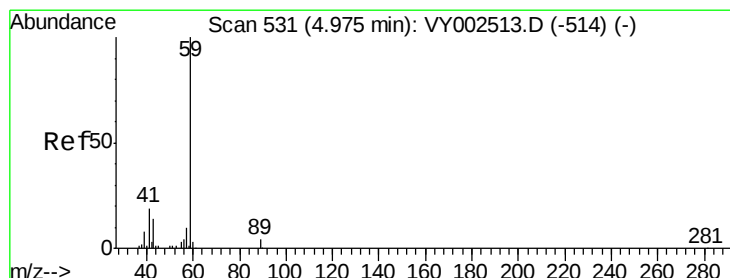
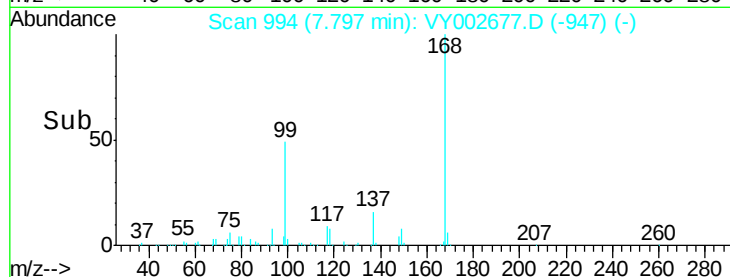
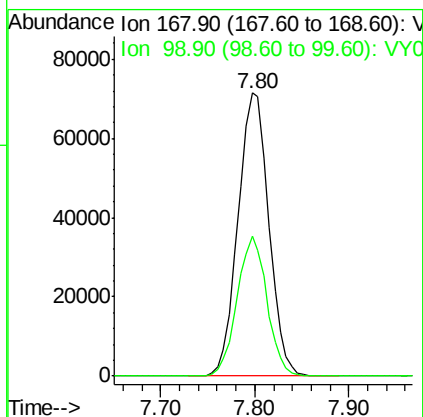
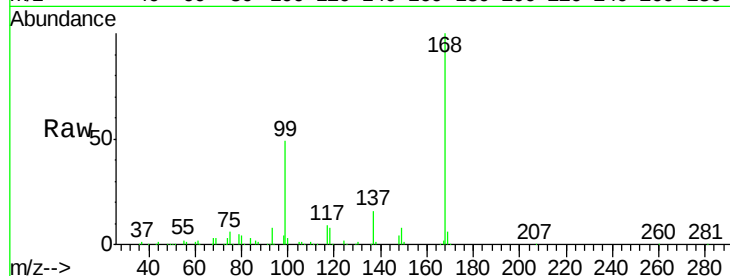


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY002677.D
 Acq: 13 May 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampled :

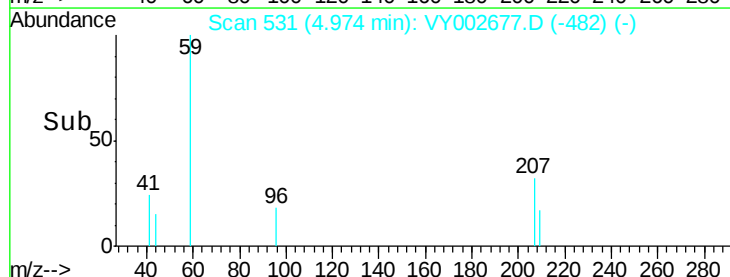
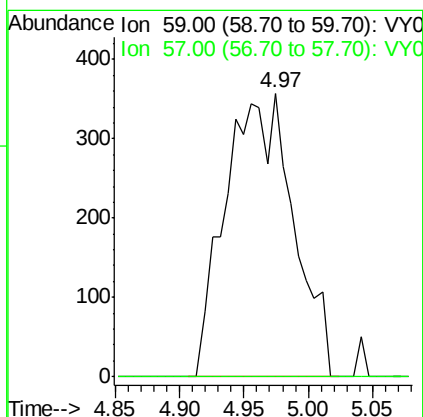
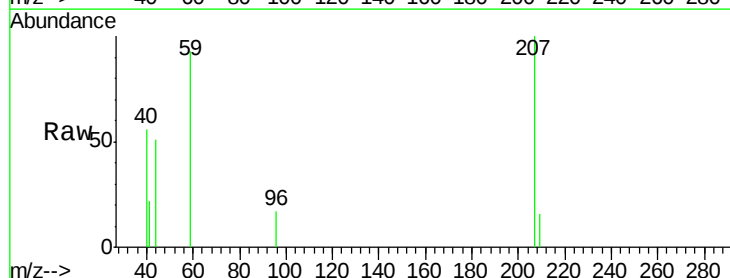
Tot Ion:168 Resp: 162339
 Ion Ratio Lower Upper
 168 100
 99 49.3 39.2 58.8

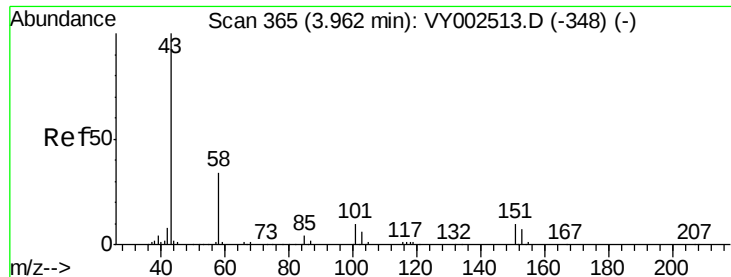


#11

Tert butyl alcohol
 Concen: 9.300 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002677.D
 Acq: 13 May 2020 12:26

Tgt Ion: 59 Resp: 1306
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

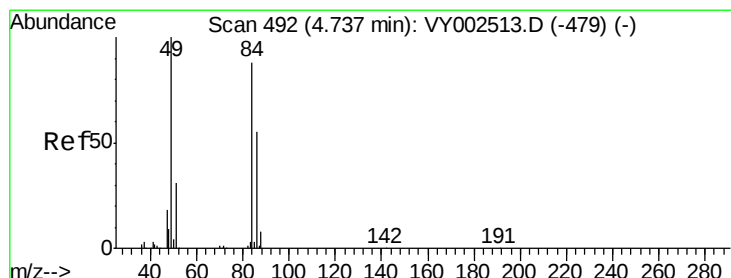
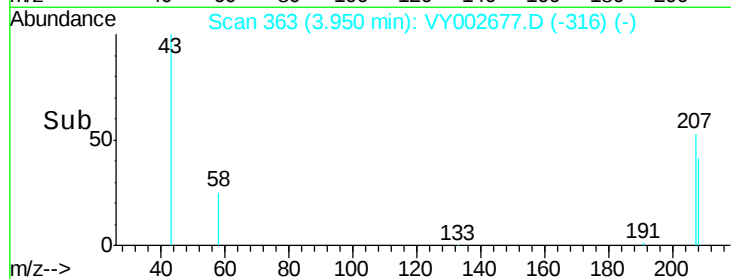
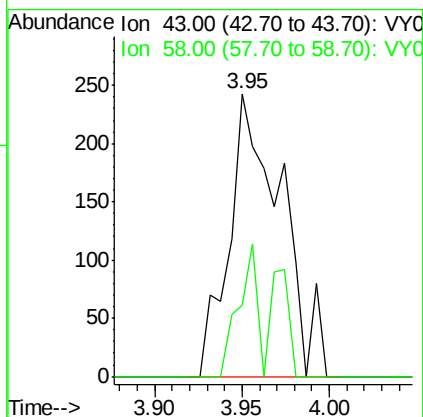
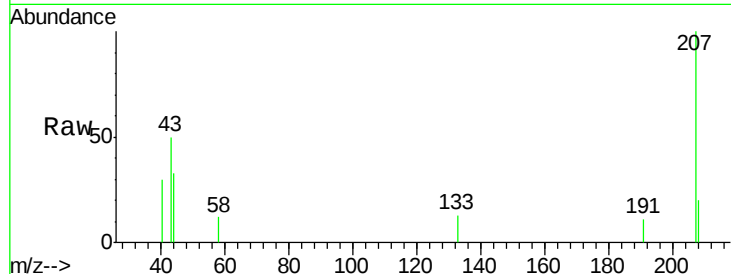




#16
Acetone
Concen: 1.793 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VY002677.D
Acq: 13 May 2020 12:26

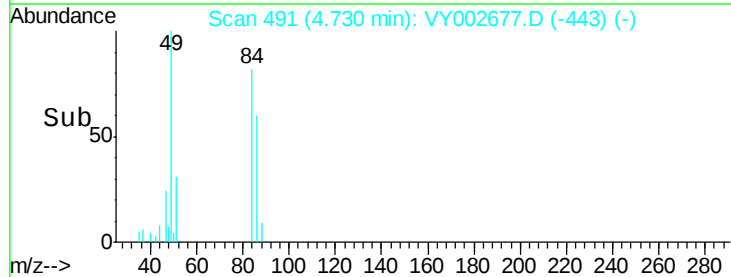
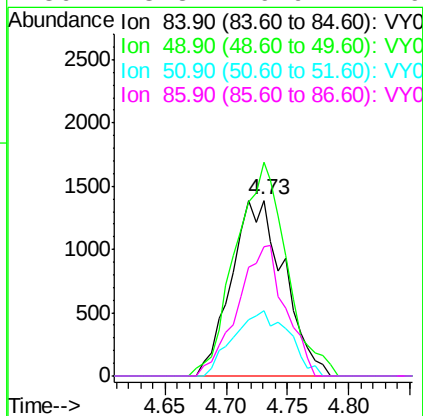
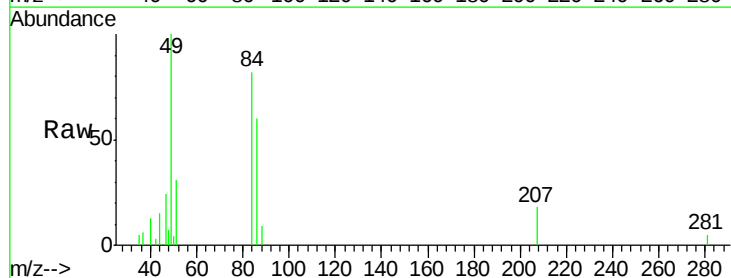
Instrument :
MSVOA_Y
ClientSampled :

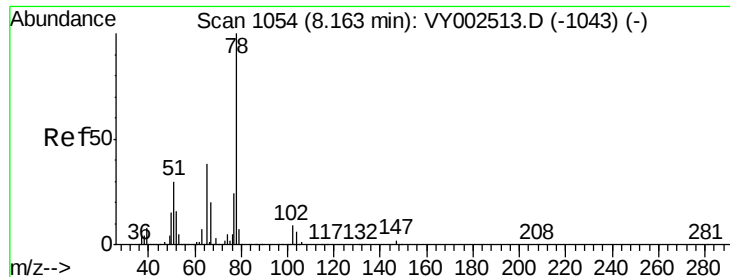
Tot Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 25.1 26.9 40.3#



#20
Methylene Chloride
Concen: 2.643 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002677.D
Acq: 13 May 2020 12:26

Tgt Ion: 84 Resp: 4163
Ion Ratio Lower Upper
84 100
49 121.4 90.5 135.7
51 37.2 28.3 42.5
86 73.3 49.9 74.9

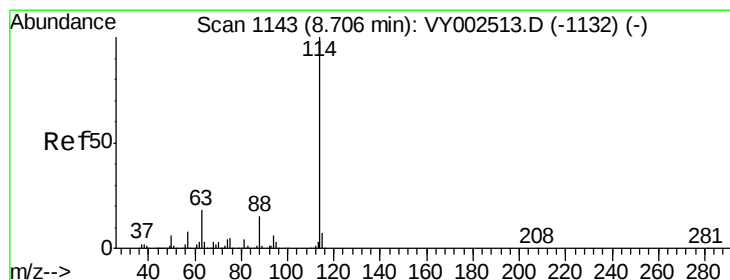
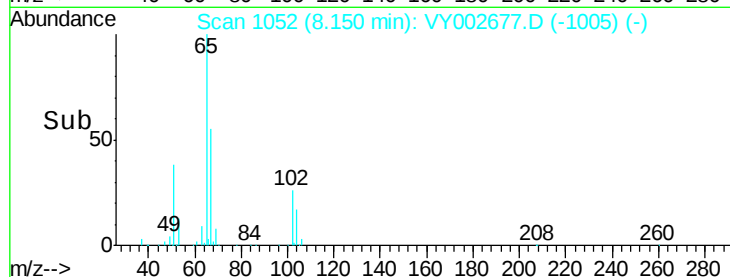
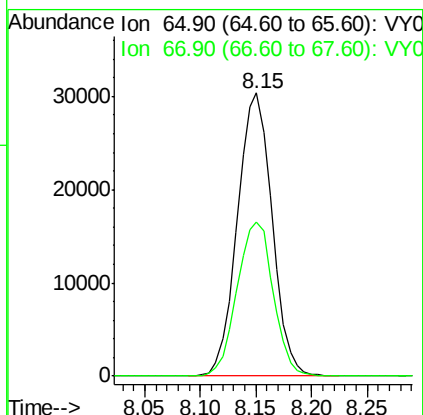
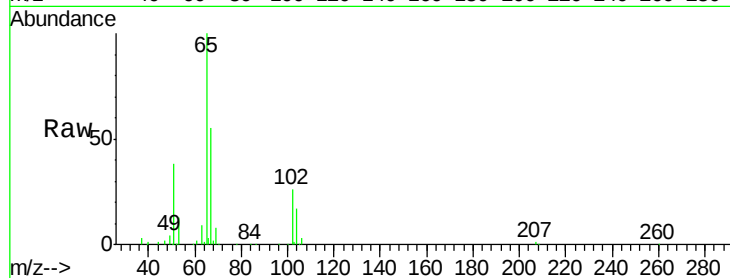




#33
 1,2-Dichloroethane-d4
 Concen: 48.137 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002677.D
 Acq: 13 May 2020 12:26

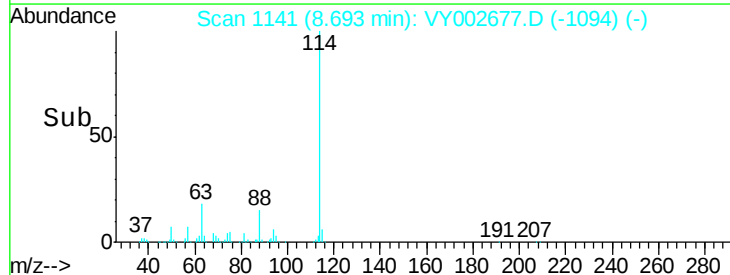
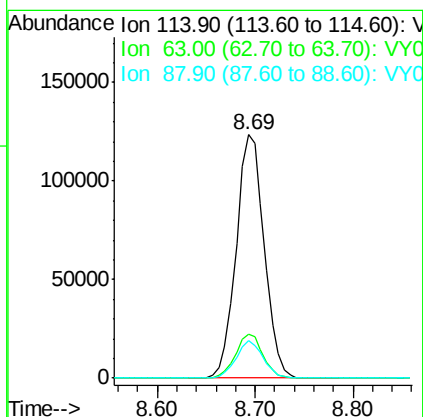
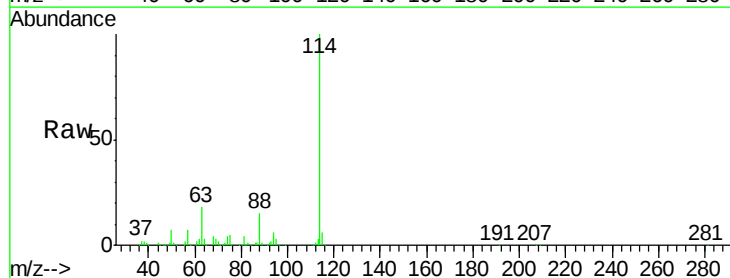
Instrument :
 MSVOA_Y
 ClientSampleId :

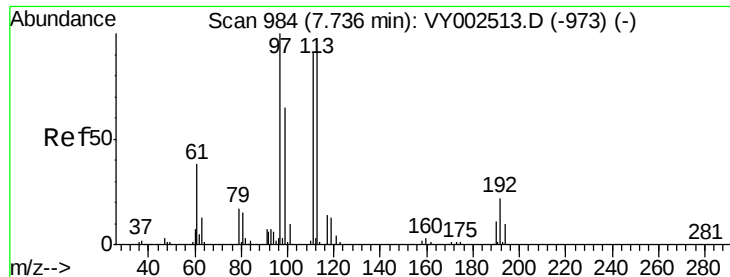
Tot Ion: 65 Resp: 65706
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002677.D
 Acq: 13 May 2020 12:26

Tgt Ion: 114 Resp: 244722
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.4
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.223 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002677.D

Acq: 13 May 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :

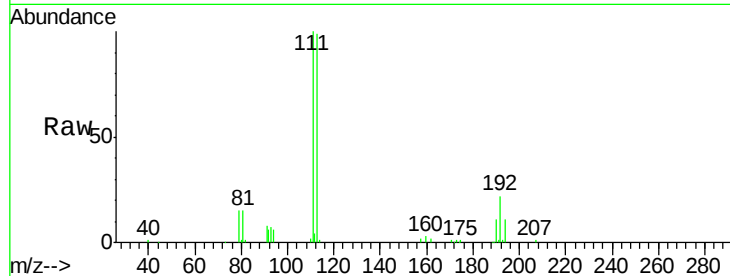
Tot Ion:113 Resp: 71690

Ion Ratio Lower Upper

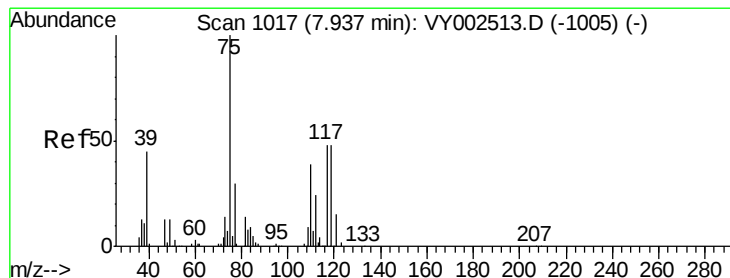
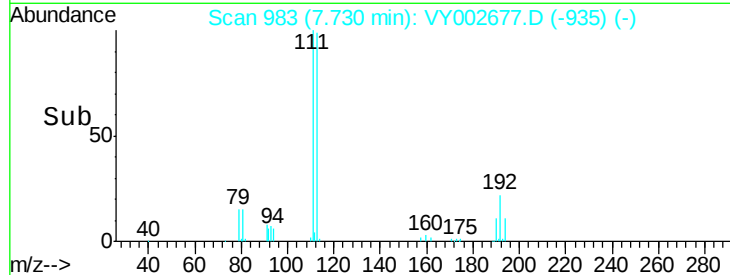
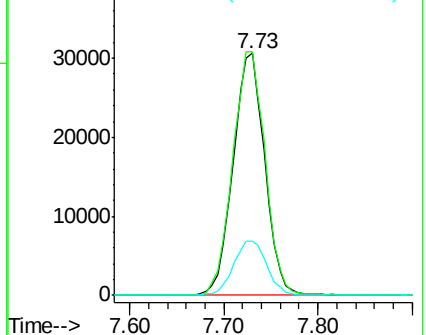
113 100

111 103.4 81.8 122.6

192 23.5 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: 4.888 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002677.D

Acq: 13 May 2020 12:26

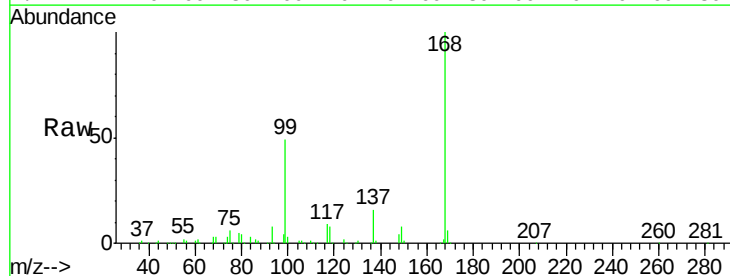
Tgt Ion: 75 Resp: 10028

Ion Ratio Lower Upper

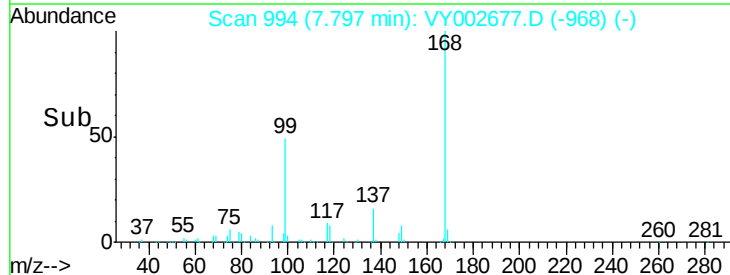
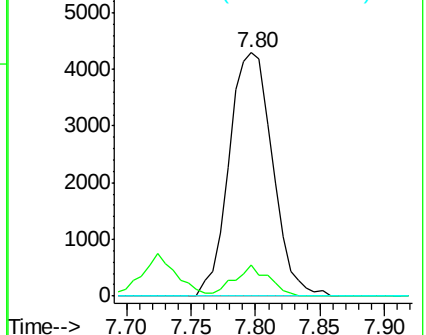
75 100

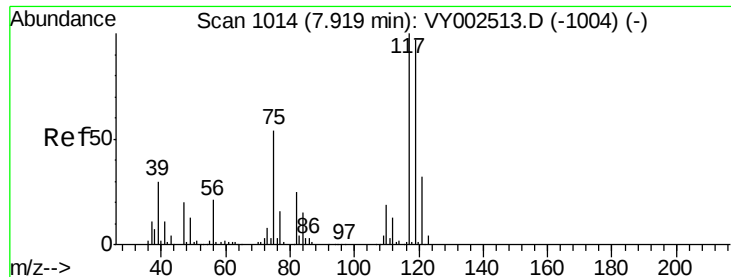
110 10.2 19.1 57.3#

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

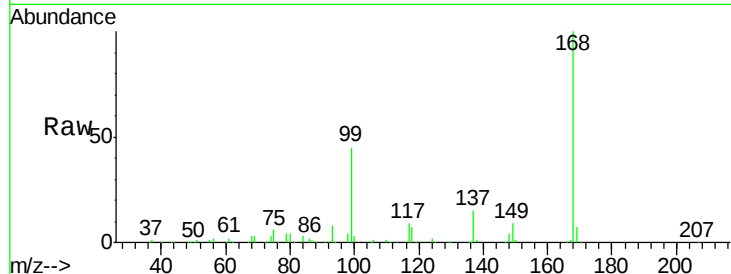




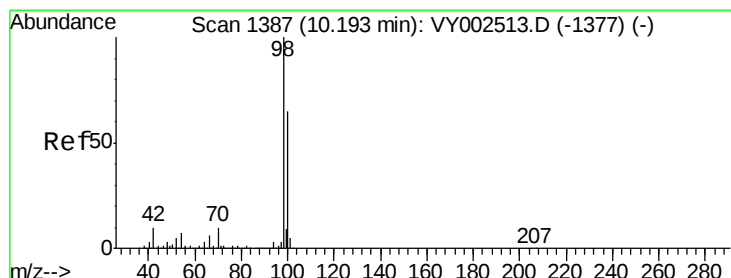
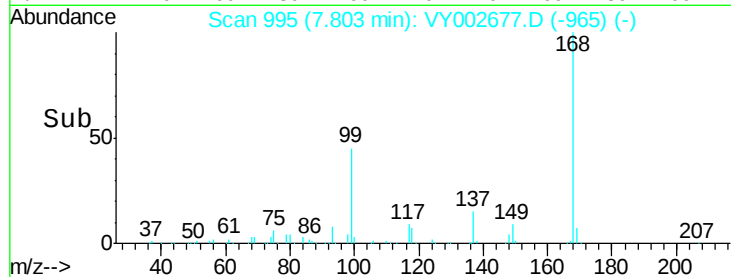
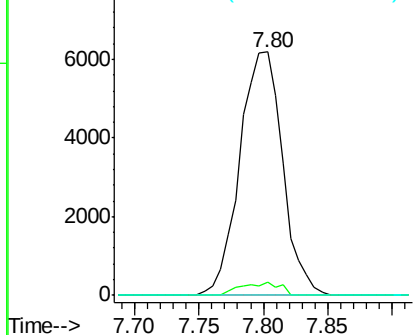
#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002677.D
Acq: 13 May 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 14258
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 25.2 37.8#

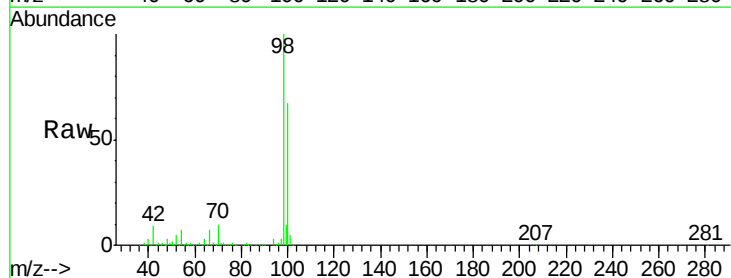


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

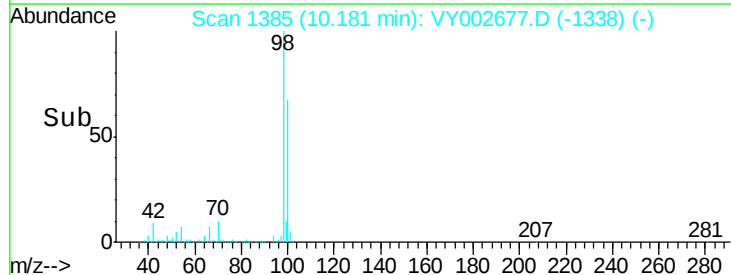
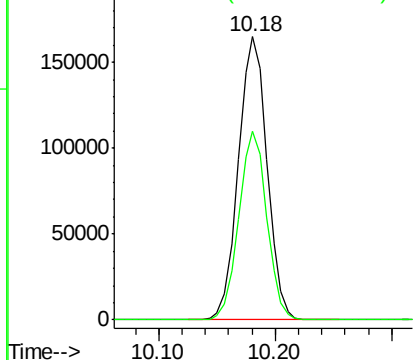


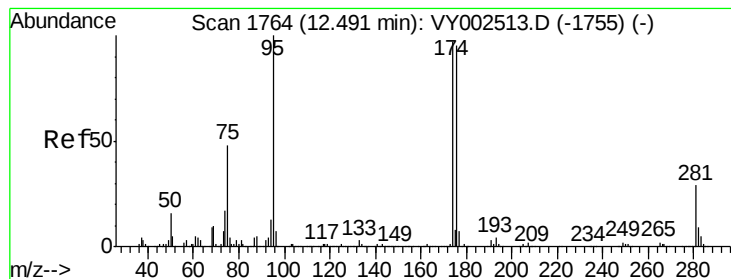
#50
Toluene-d8
Concen: 51.842 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002677.D
Acq: 13 May 2020 12:26

Tgt Ion: 98 Resp: 283342
Ion Ratio Lower Upper
98 100
100 65.2 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: 45.748 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002677.D

Acq: 13 May 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

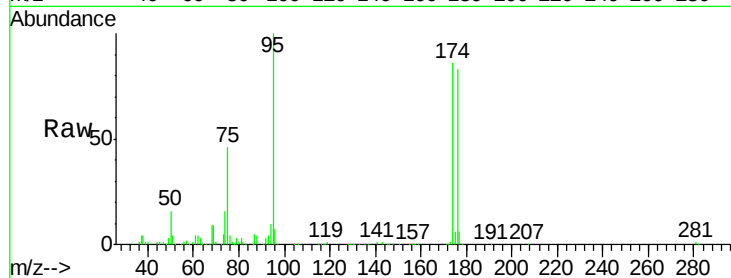
Tot Ion: 95 Resp: 84843

Ion Ratio Lower Upper

95 100

174 92.4 0.0 188.8

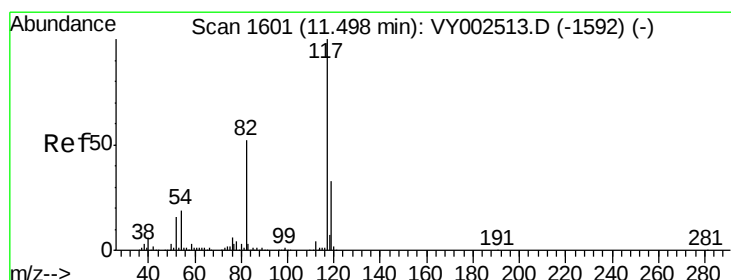
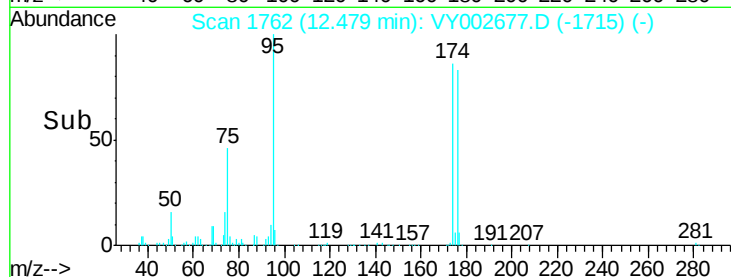
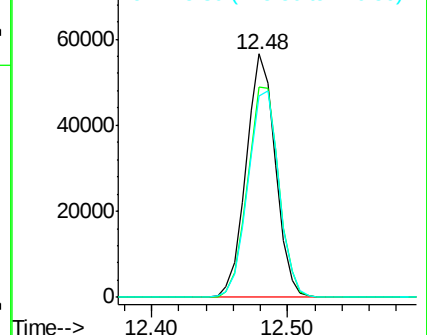
176 90.1 0.0 183.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002677.D

Acq: 13 May 2020 12:26

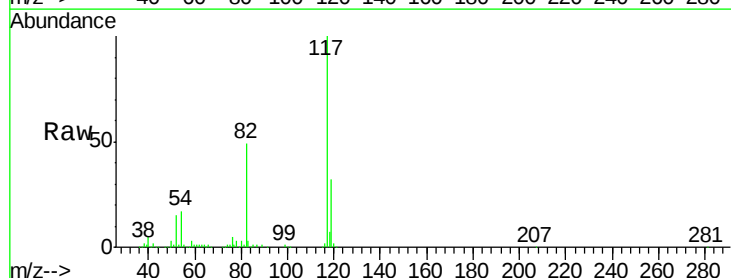
Tgt Ion: 117 Resp: 210420

Ion Ratio Lower Upper

117 100

82 48.9 41.3 61.9

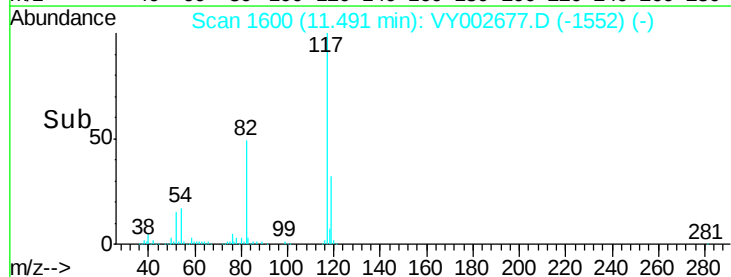
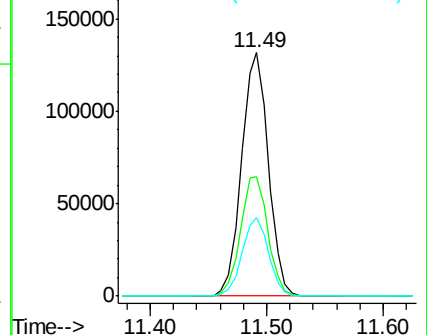
119 32.5 26.0 39.0

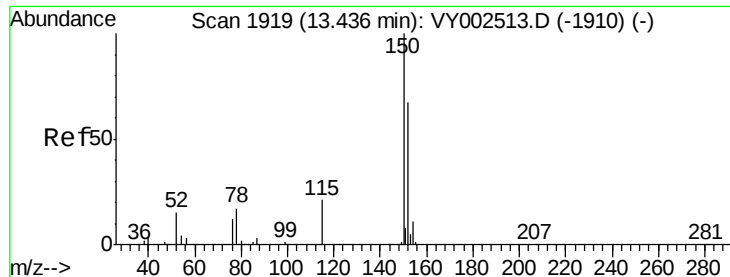


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

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

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



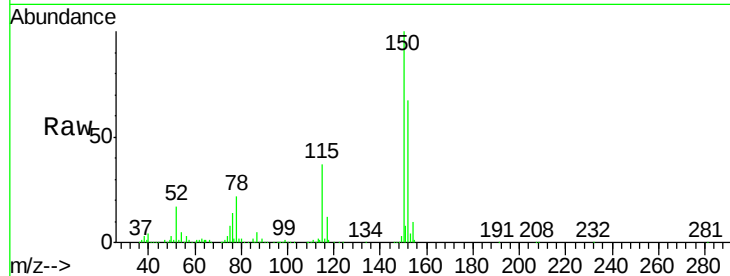


#72

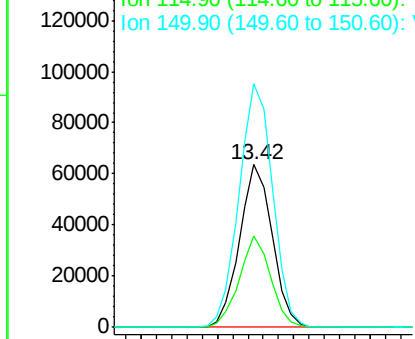
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002677.D
Acq: 13 May 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :

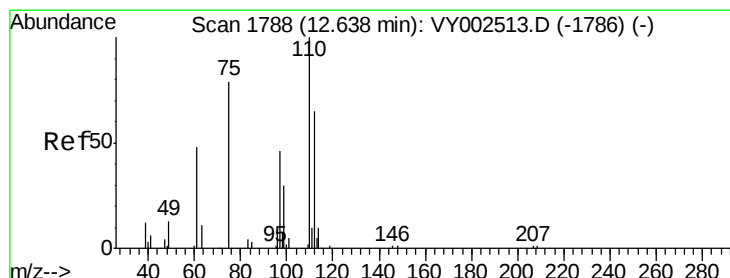
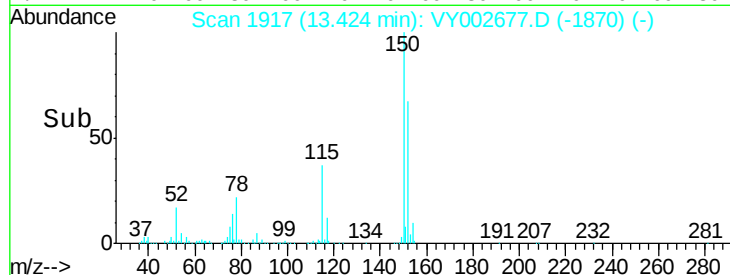
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.5	82.4
150	153.8	0.0	346.4



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



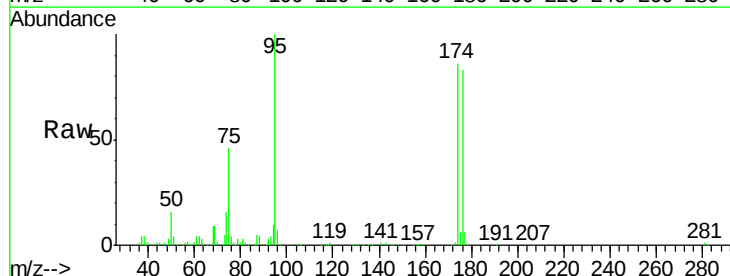
Time-->



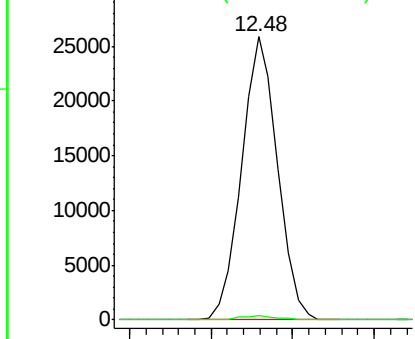
#76

1,2,3-Trichloropropane
Concen: 47.049 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002677.D
Acq: 13 May 2020 12:26

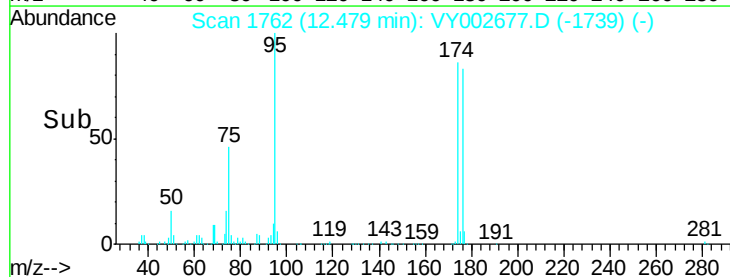
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

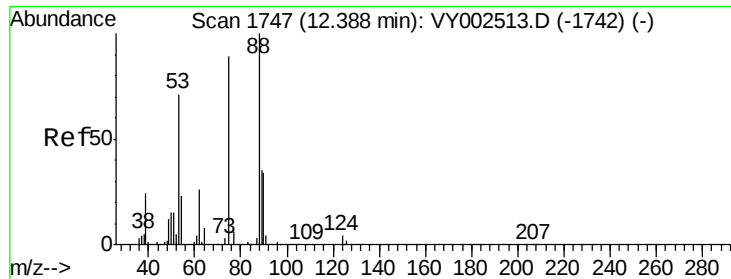


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 94.342 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002677.D

Acq: 13 May 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

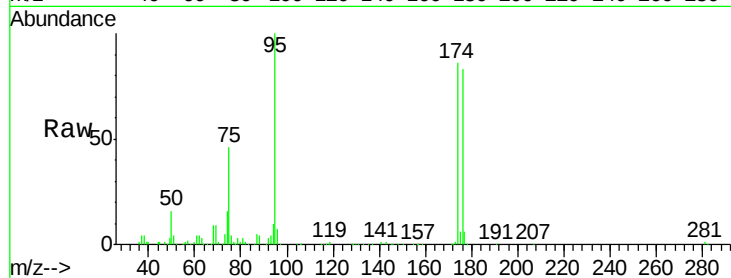
Tot Ion: 75 Resp: 39497

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

