

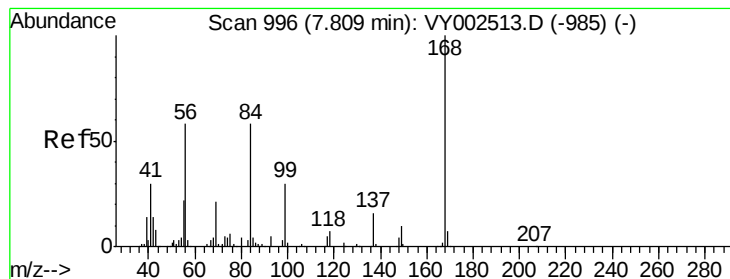
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002561.D
 Acq On : 05 May 2020 00:06
 Operator : SY/MD
 Sample : L2463-02
 Misc : 7.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:17:36 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	7.82	168	348872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	570528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	514485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	255969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	176569	60.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.38%	
35) Dibromofluoromethane	7.75	113	173853	53.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.56%	
50) Toluene-d8	10.19	98	659482	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.49	95	224214	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	53	1.802	ug/l #	43
16) Acetone	3.98	43	889	1.468	ug/l #	75
20) Methylene Chloride	4.76	84	5246	1.550	ug/l	96
31) Cyclohexane	7.81	56	5479	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	21741	4.546	ug/l #	50
38) Carbon Tetrachloride	7.82	117	31515	6.035	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	2496	1.051	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	107634	47.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	107634	94.881	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

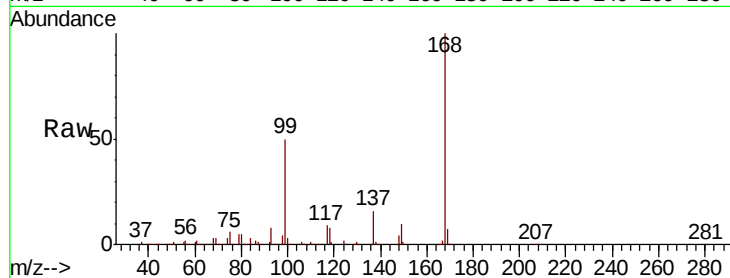
ClientSampleId :

Tot Ion:168 Resp: 348872

Ion Ratio Lower Upper

168 100

99 50.2 39.2 58.8



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

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

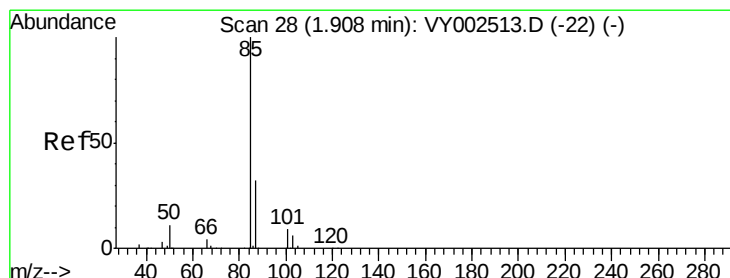
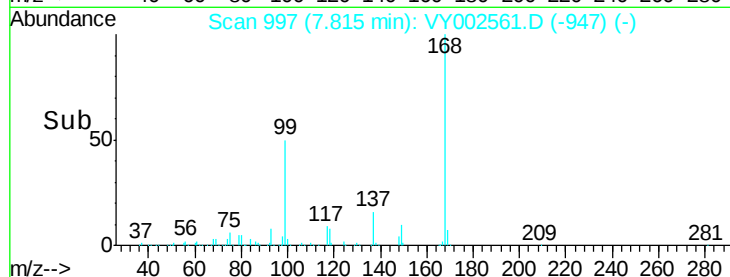
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.802 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002561.D

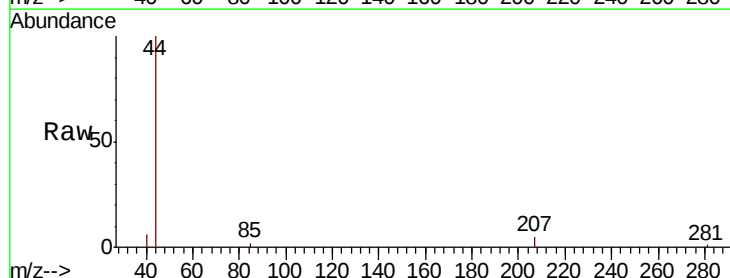
Acq: 05 May 2020 00:06

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

80

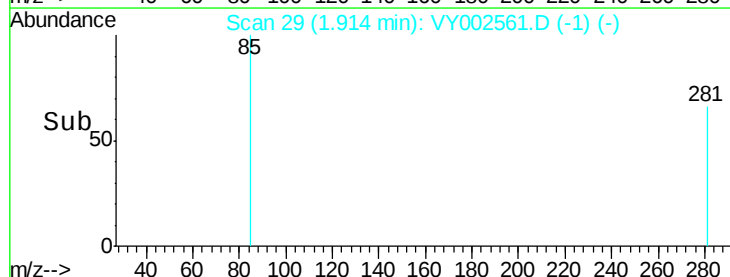
60

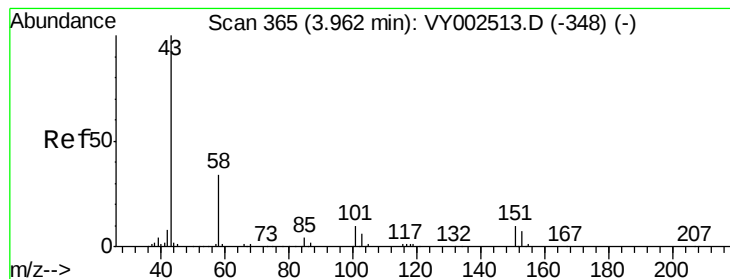
40

20

0

Time-->





#16

Acetone

Concen: 1.468 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

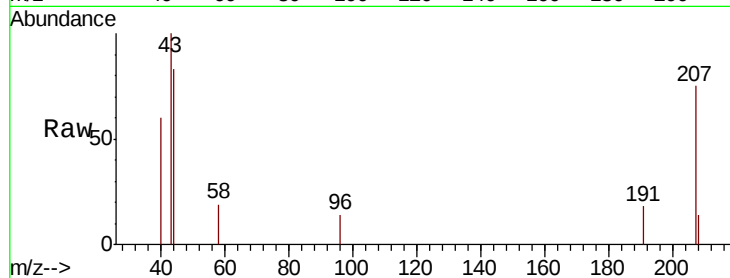
ClientSampleId :

Tot Ion: 43 Resp: 889

Ion Ratio Lower Upper

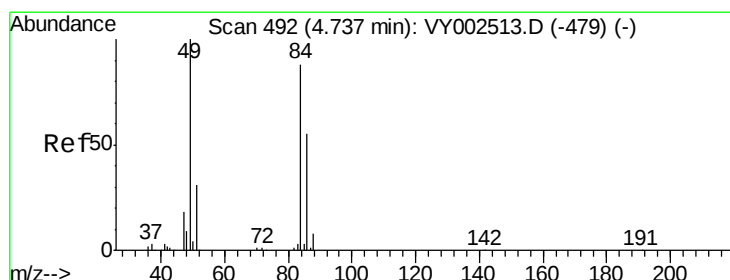
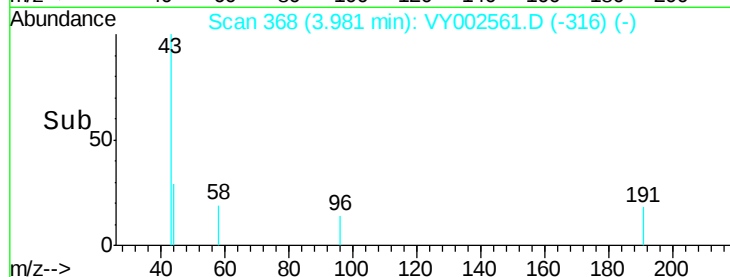
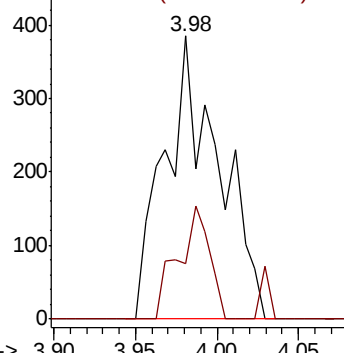
43 100

58 19.5 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.550 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Tgt Ion: 84 Resp: 5246

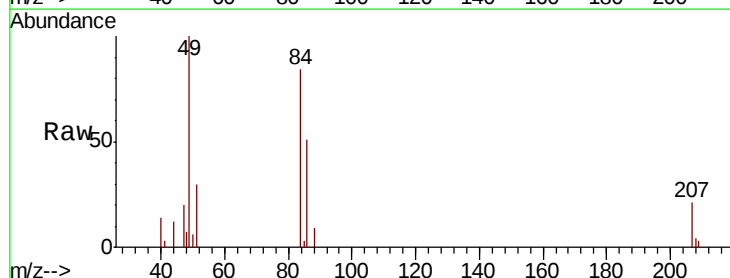
Ion Ratio Lower Upper

84 100

49 119.7 90.5 135.7

51 35.9 28.3 42.5

86 61.6 49.9 74.9

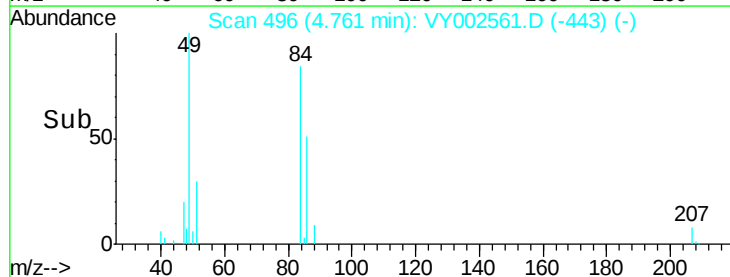
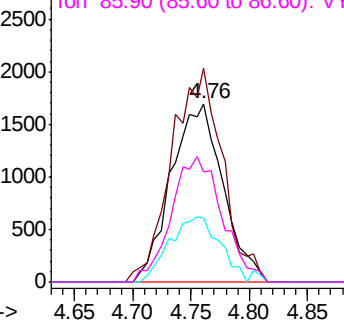


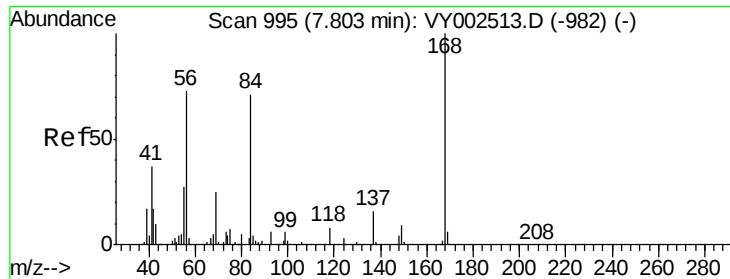
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.039 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

ClientSampled :

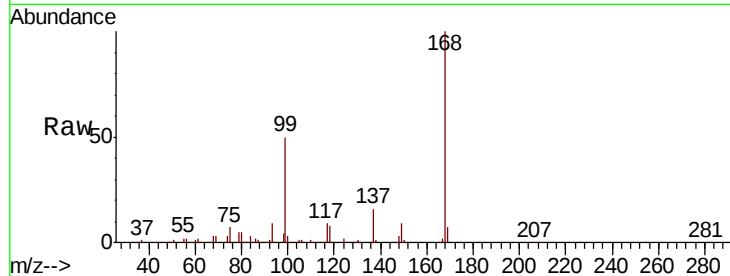
Tot Ion: 56 Resp: 5479

Ion Ratio Lower Upper

56 100

69 168.9 27.6 41.4#

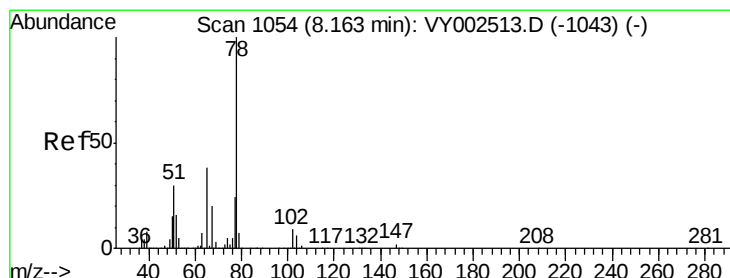
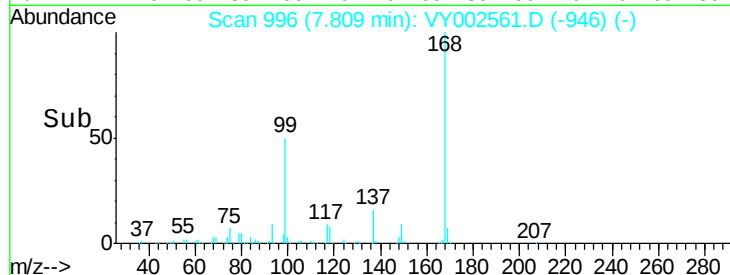
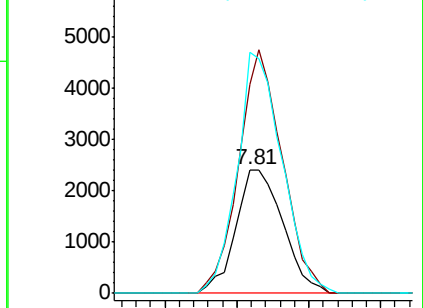
84 194.4 77.7 116.5#



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: 60.193 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002561.D

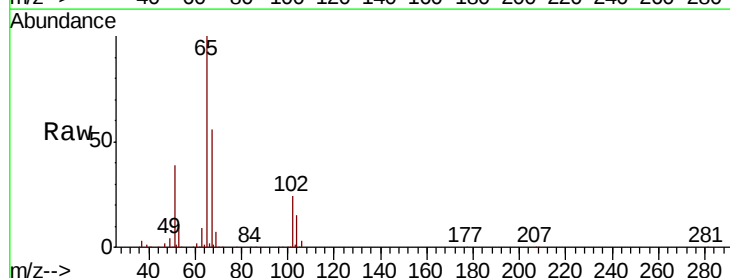
Acq: 05 May 2020 00:06

Tgt Ion: 65 Resp: 176569

Ion Ratio Lower Upper

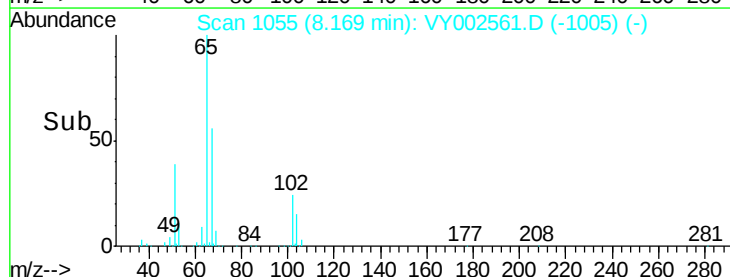
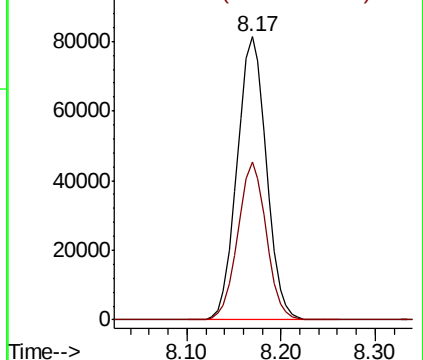
65 100

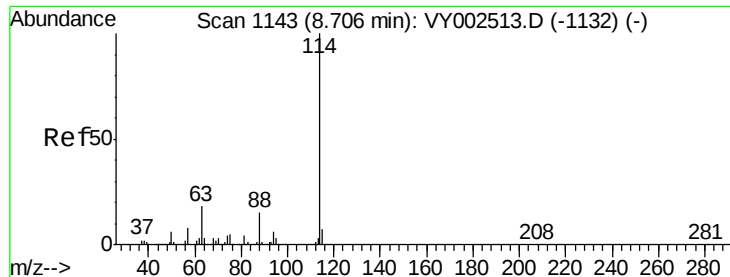
67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

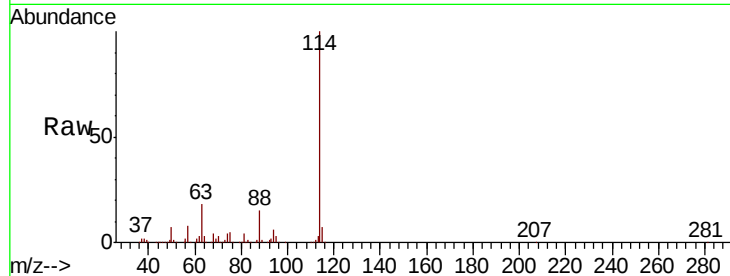




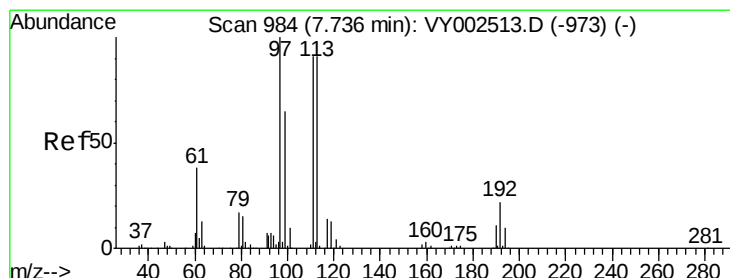
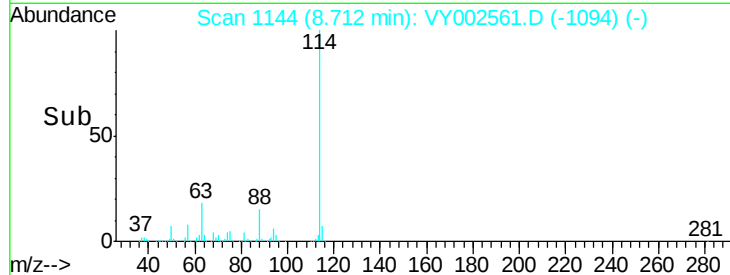
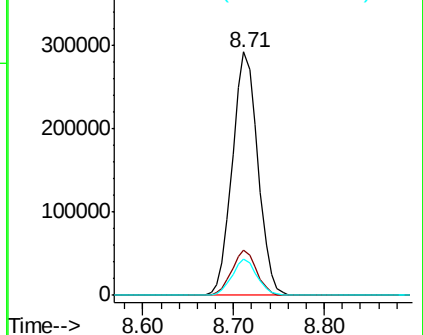
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002561.D
 Acq: 05 May 2020 00:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	36.4
88	15.0	0.0	29.6

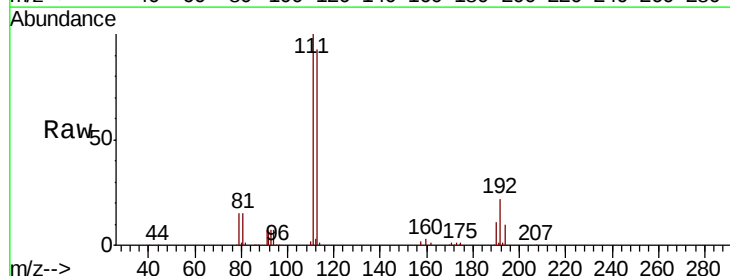


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

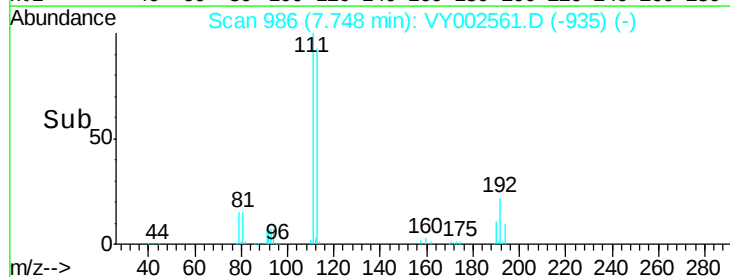
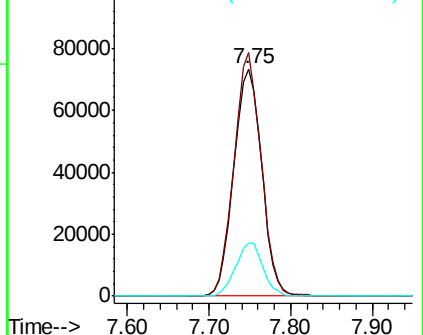


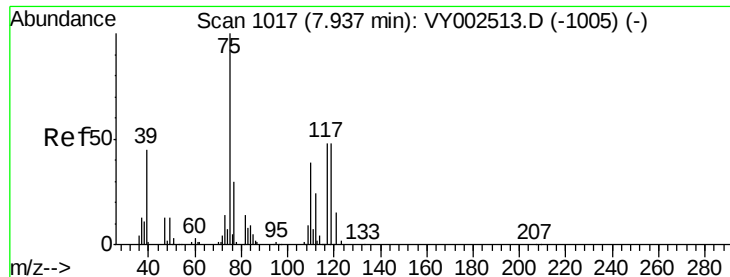
#35
 Dibromofluoromethane
 Concen: 53.282 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002561.D
 Acq: 05 May 2020 00:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	23.0	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: 4.546 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :
MSVOA_Y
ClientSampleId :

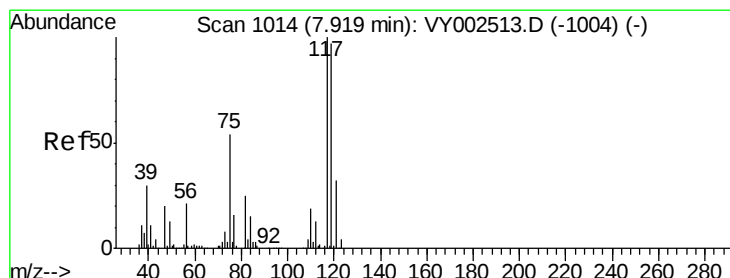
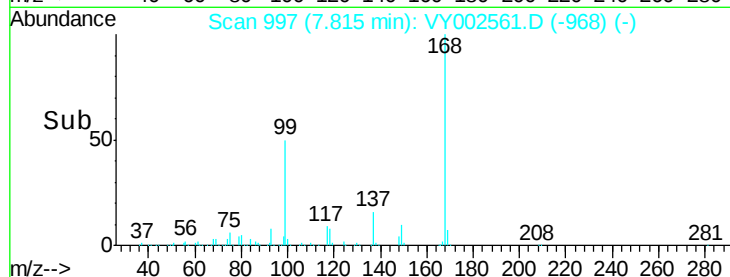
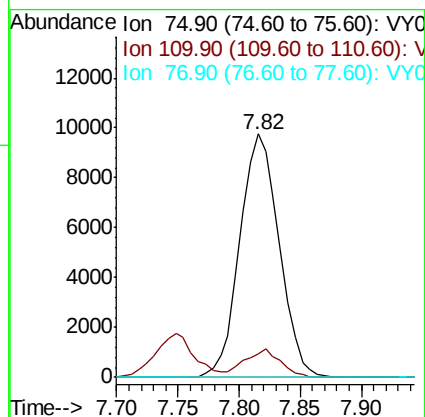
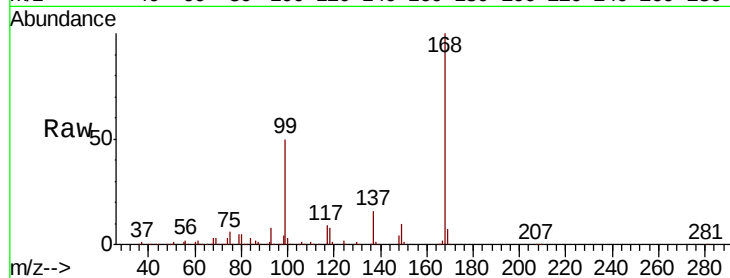
Tot Ion: 75 Resp: 21741

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

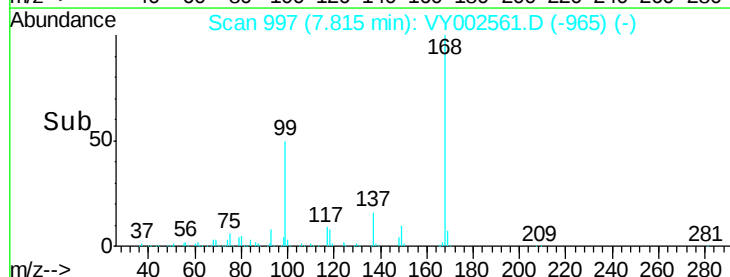
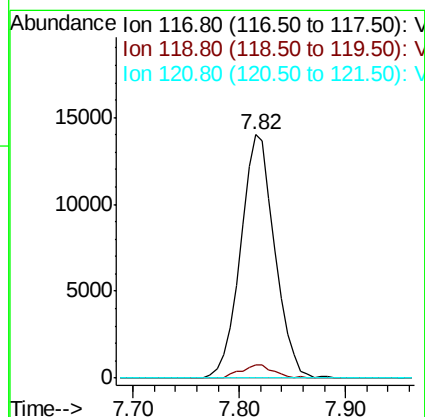
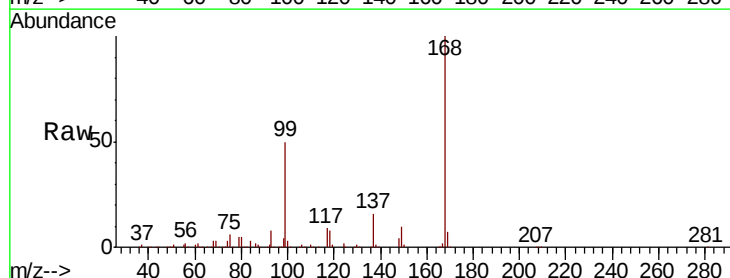
Tgt Ion: 117 Resp: 31515

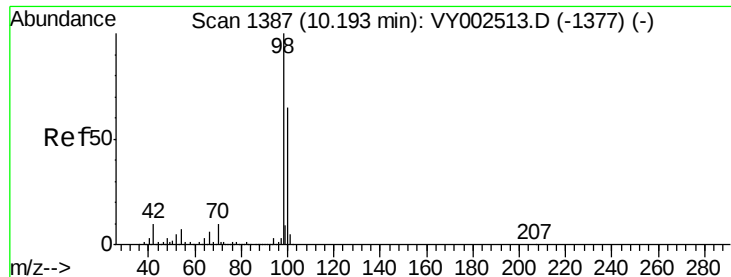
Ion Ratio Lower Upper

117 100

119 5.6 77.1 115.7#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 51.757 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

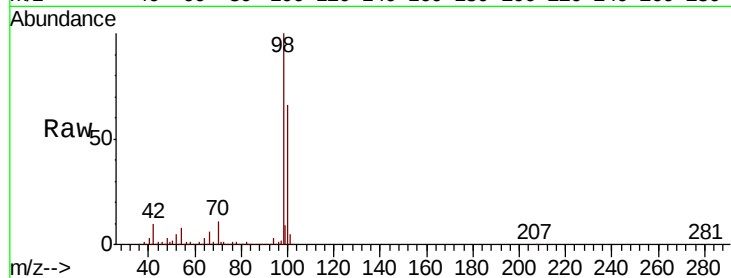
ClientSampleId :

Tot Ion: 98 Resp: 659482

Ion Ratio Lower Upper

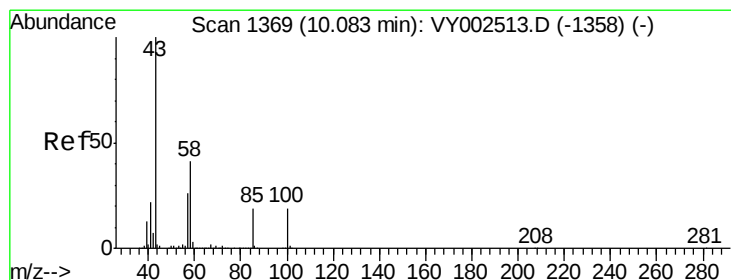
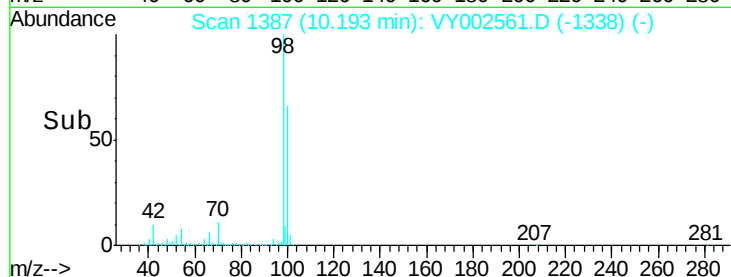
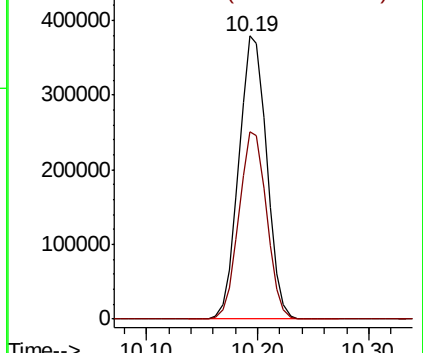
98 100

100 65.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.051 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002561.D

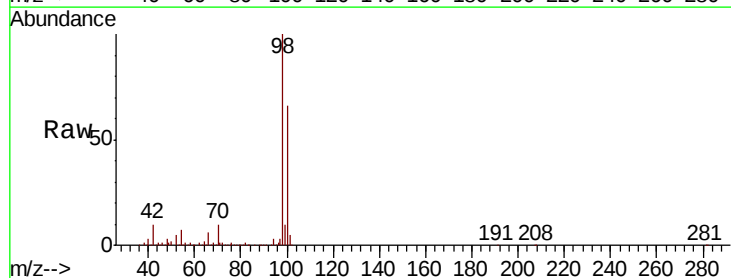
Acq: 05 May 2020 00:06

Tgt Ion: 43 Resp: 2496

Ion Ratio Lower Upper

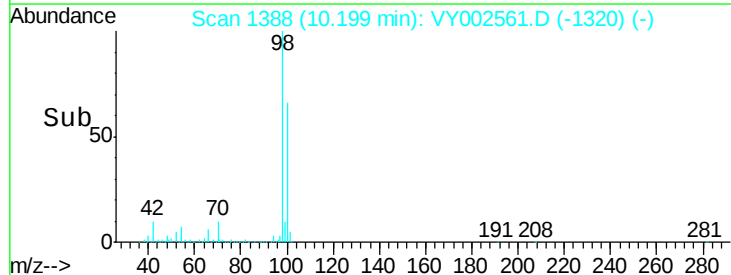
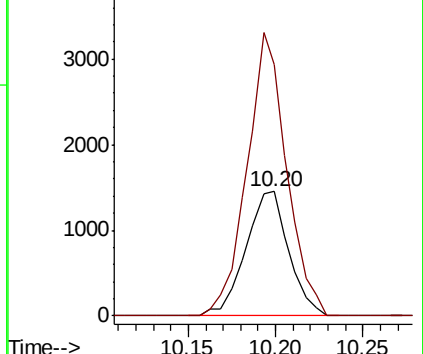
43 100

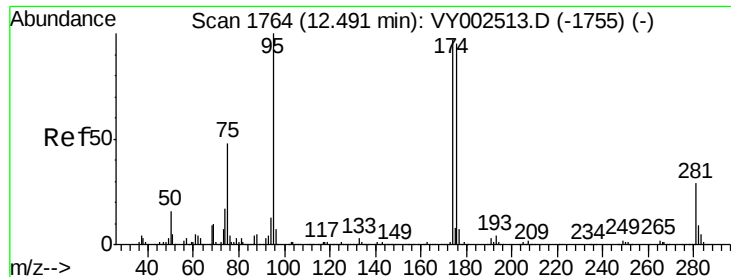
58 209.4 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 51.857 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

ClientSampleId :

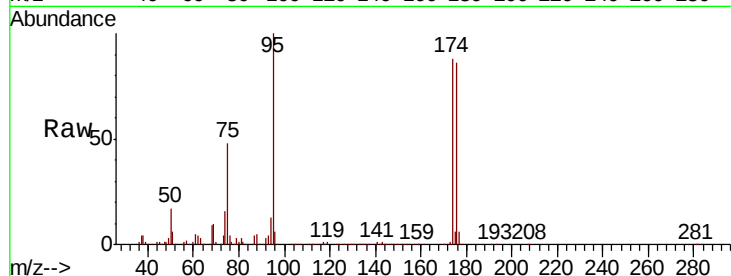
Tot Ion: 95 Resp: 224214

Ion Ratio Lower Upper

95 100

174 91.2 0.0 188.8

176 88.9 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002561.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002561.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002561.D (-1755) (-)

12.49

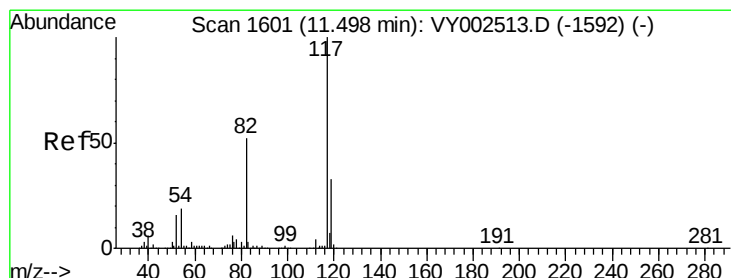
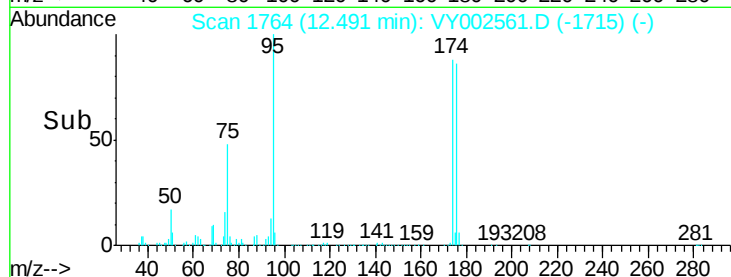
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

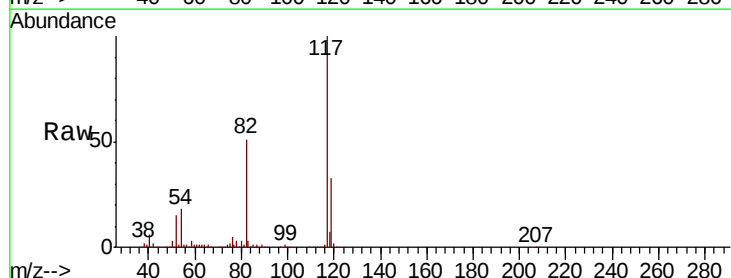
Tgt Ion: 117 Resp: 514485

Ion Ratio Lower Upper

117 100

82 50.5 41.3 61.9

119 32.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VY002561.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002561.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002561.D (-1552) (-)

11.50

400000

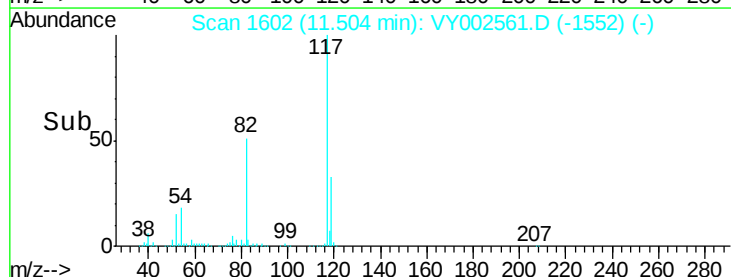
300000

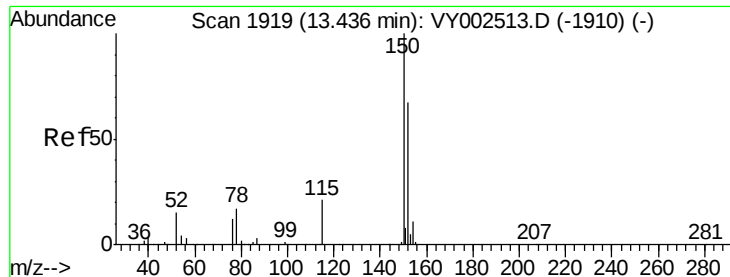
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

ClientSampleId :

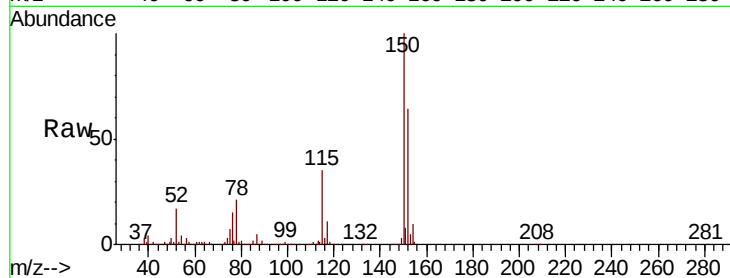
Tot Ion:152 Resp: 255969

Ion Ratio Lower Upper

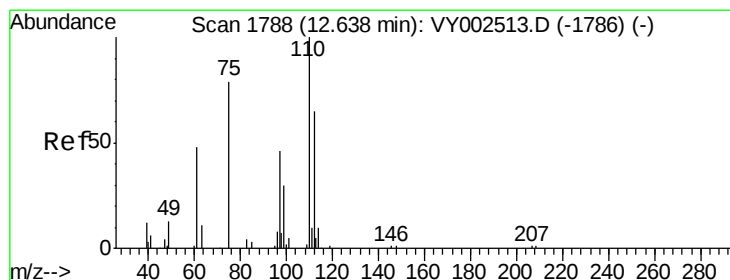
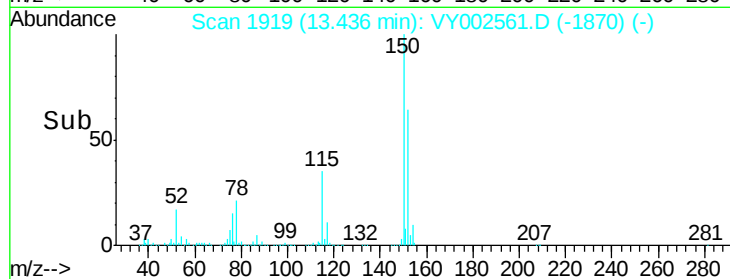
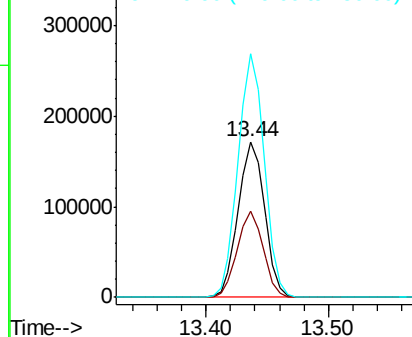
152 100

115 54.6 27.5 82.4

150 155.8 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



#76

1,2,3-Trichloropropane

Concen: 47.318 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002561.D

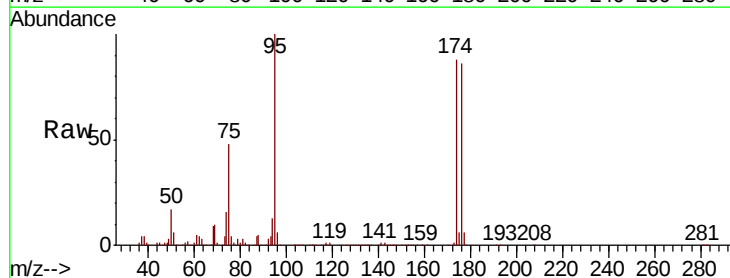
Acq: 05 May 2020 00:06

Tgt Ion: 75 Resp: 107634

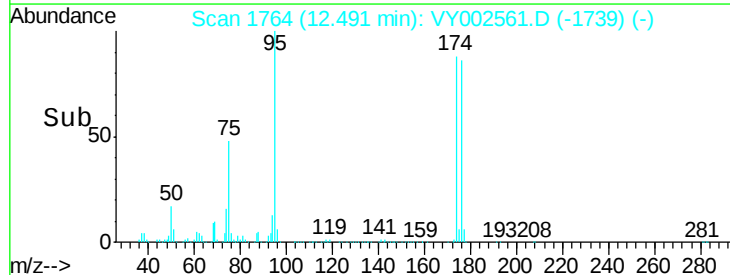
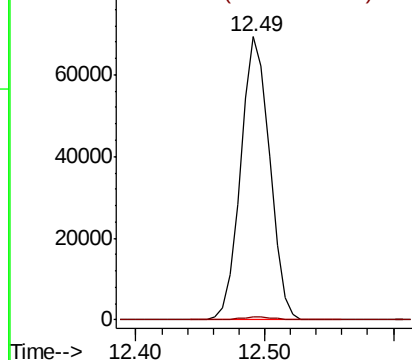
Ion Ratio Lower Upper

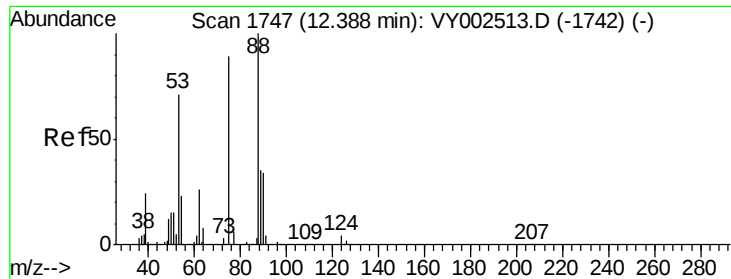
75 100

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: 94.881 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002561.D

Acq: 05 May 2020 00:06

Instrument :

MSVOA_Y

ClientSampleId :

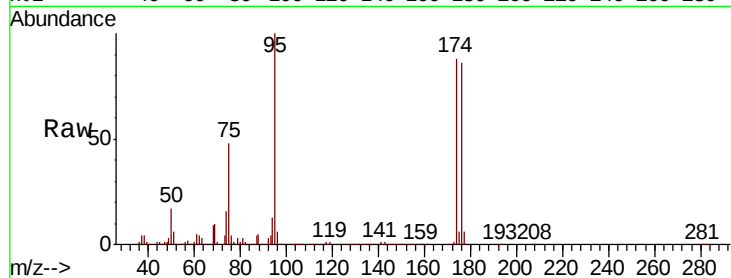
Tot Ion: 75 Resp: 107634

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 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

