

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002203.D
 Acq On : 02 Apr 2020 19:20
 Operator : SY/MD
 Sample : L2135-01RE
 Misc : 8.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:18:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

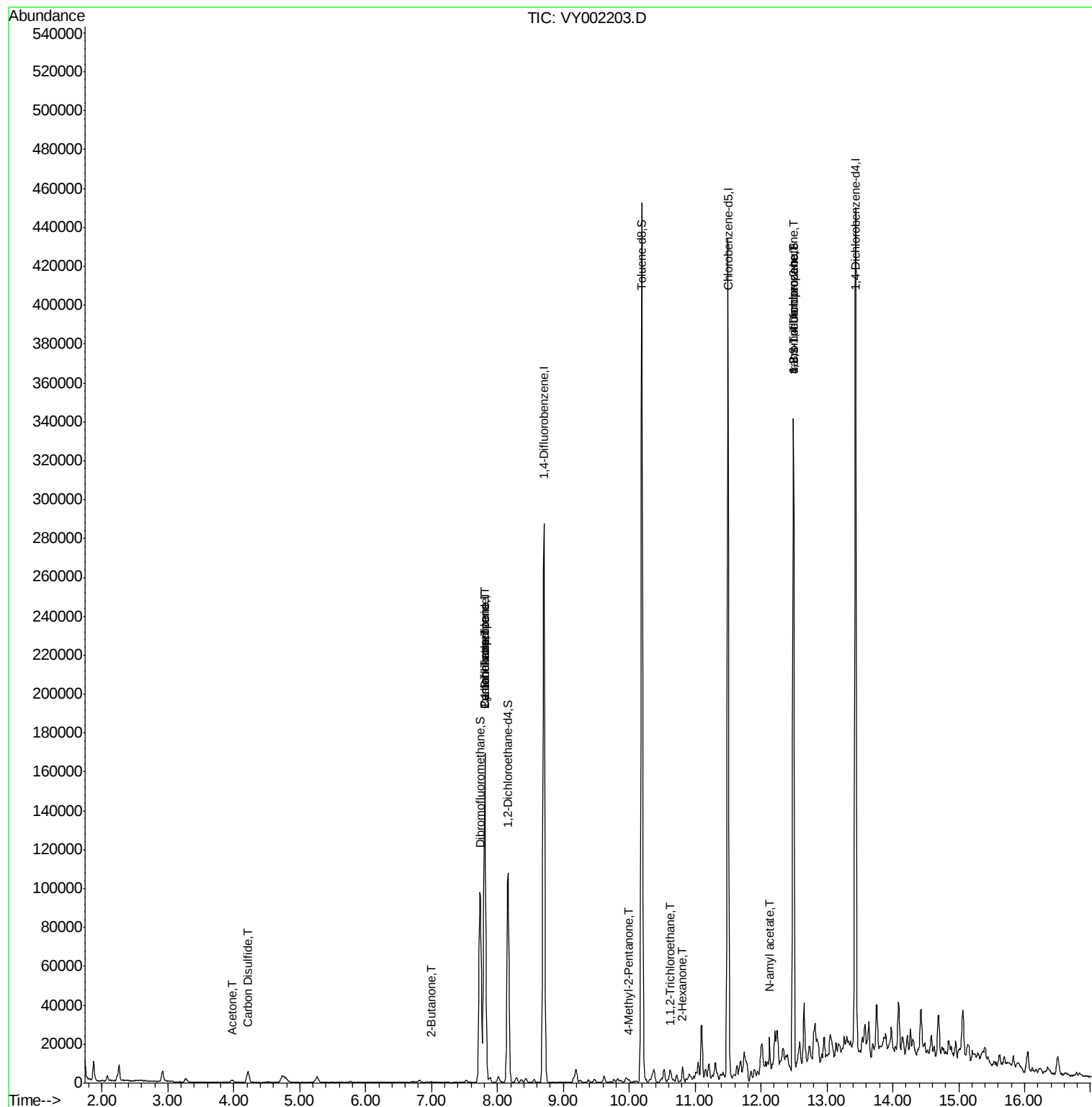
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	122240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	240880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	228606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	103773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	78452	58.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.12%	
35) Dibromofluoromethane	7.74	113	70915	52.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.08%	
50) Toluene-d8	10.19	98	294913	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.49	95	107442	54.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	20	Below Cal	#	43
16) Acetone	3.97	43	2589	6.819	ug/l #	82
17) Carbon Disulfide	4.22	76	11327	2.573	ug/l	100
20) Methylene Chloride	4.74	84	2057	Below Cal		93
25) 2-Butanone	7.00	43	583	1.000	ug/l #	50
31) Cyclohexane	7.81	56	5060	1.797	ug/l #	38
36) 1,1-Dichloropropene	7.80	75	11016	4.835	ug/l #	49
38) Carbon Tetrachloride	7.81	117	12566	6.501	ug/l #	18
51) 4-Methyl-2-Pentanone	10.00	43	1694	1.287	ug/l #	36
55) 1,1,2-Trichloroethane	10.63	97	2062	1.579	ug/l #	21
59) 2-Hexanone	10.81	43	3324	3.586	ug/l #	24
74) N-amyl acetate	12.13	43	3793	1.562	ug/l #	49
76) 1,2,3-Trichloropropane	12.49	75	54598	47.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54598	91.123	ug/l #	18

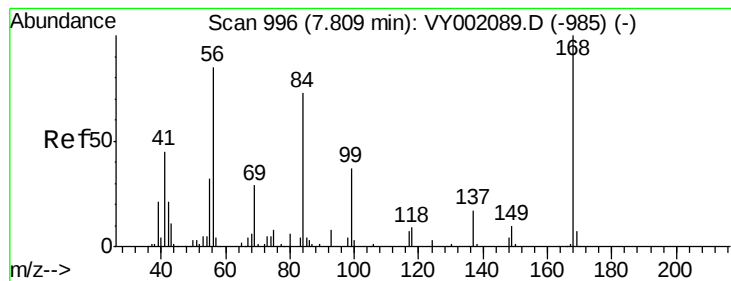
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

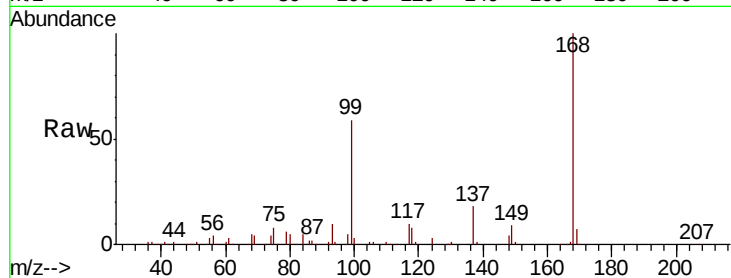
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 122240

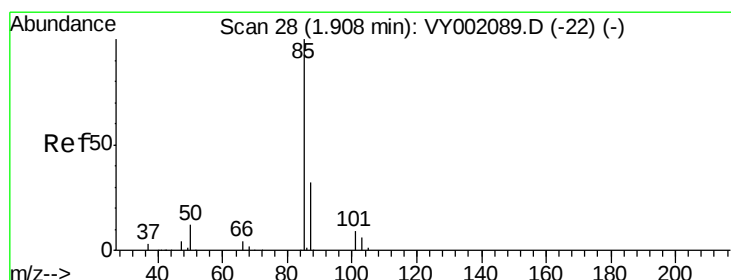
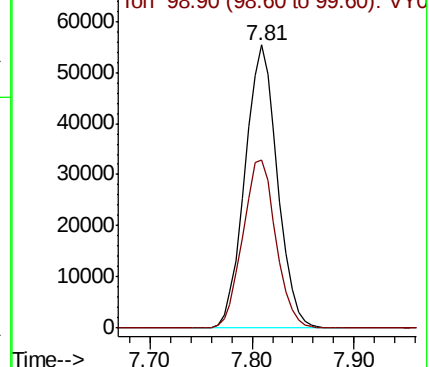
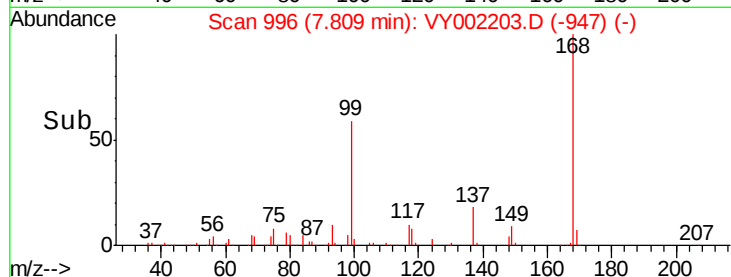
Ion Ratio Lower Upper

168 100

99 59.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002203.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002203.D

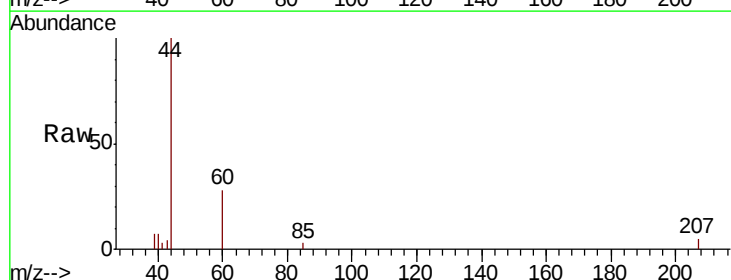
Acq: 02 Apr 2020 19:20

Tgt Ion: 85 Resp: 20

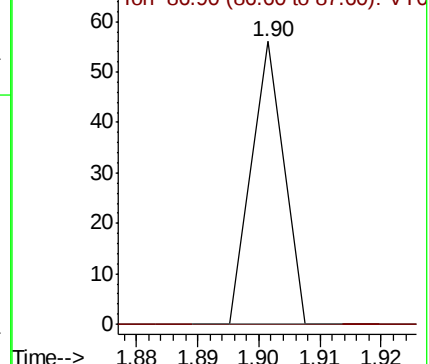
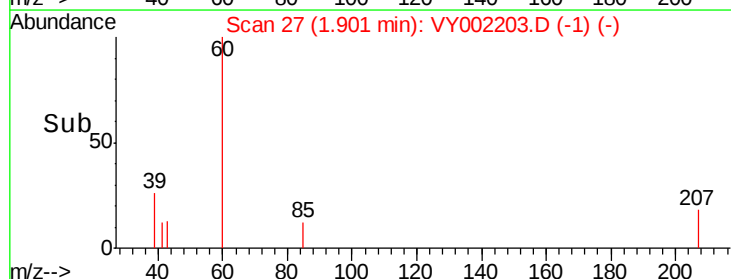
Ion Ratio Lower Upper

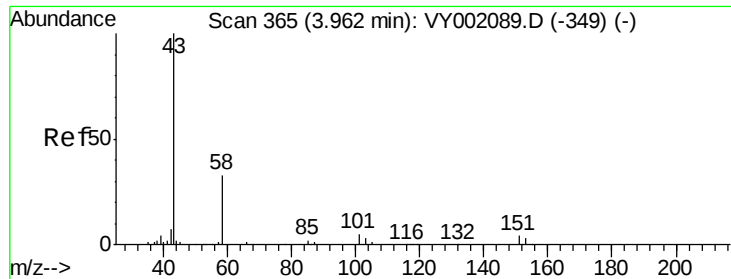
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002203.D (-1) (-)

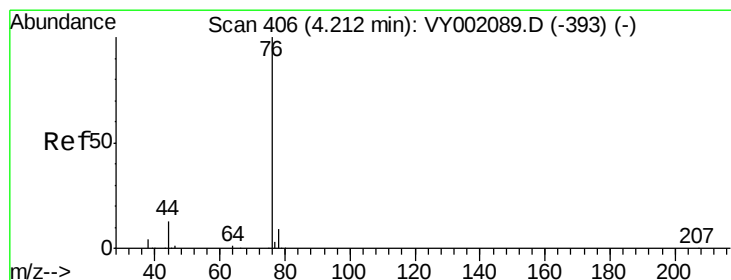
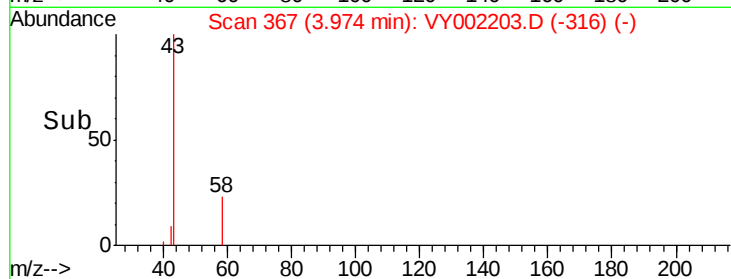
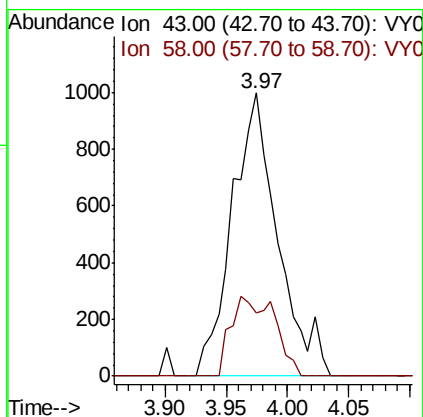
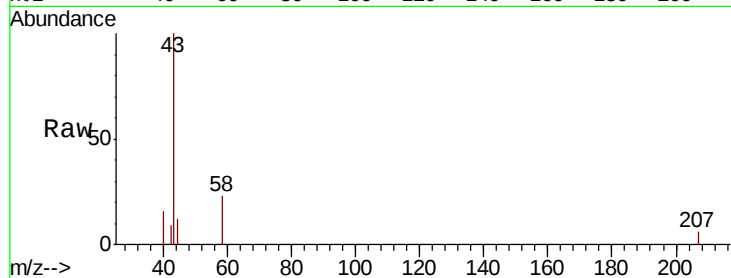




#16
Acetone
Concen: 6.819 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VY002203.D
Acq: 02 Apr 2020 19:20

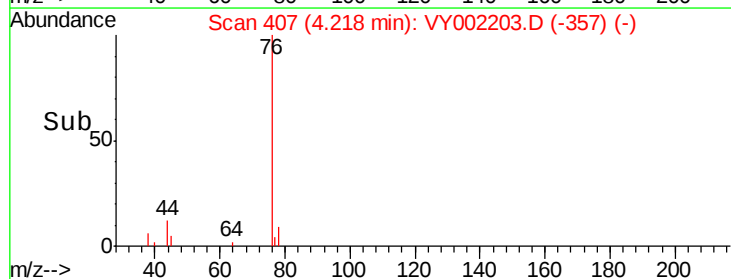
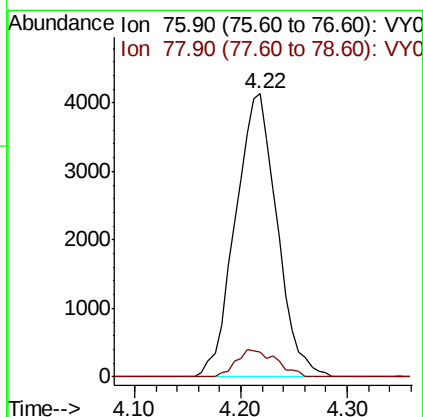
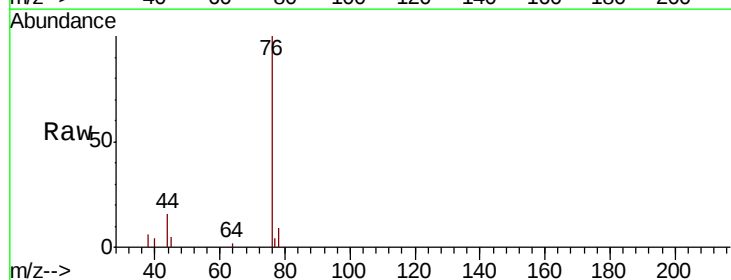
Instrument :
MSVOA_Y
ClientSampled :

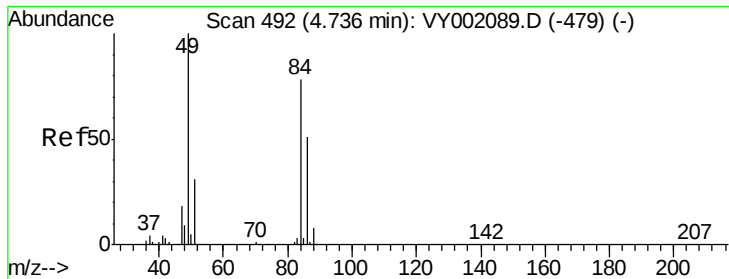
Tot Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
58 22.5 26.3 39.5#



#17
Carbon Disulfide
Concen: 2.573 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002203.D
Acq: 02 Apr 2020 19:20

Tgt Ion: 76 Resp: 11327
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

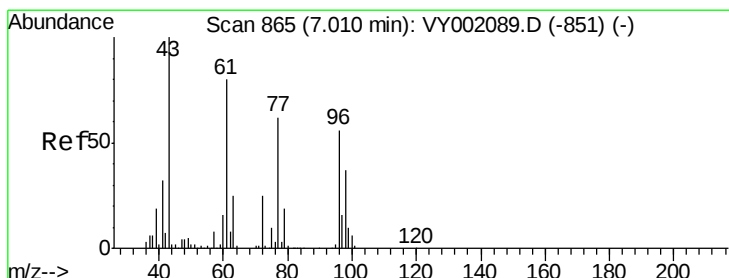
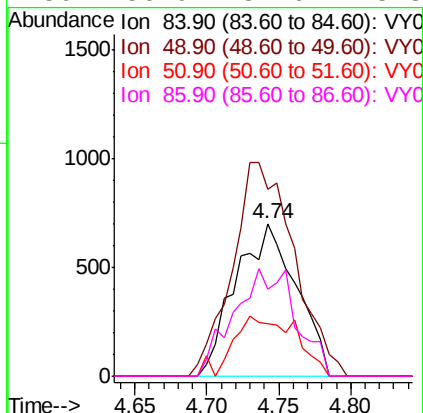
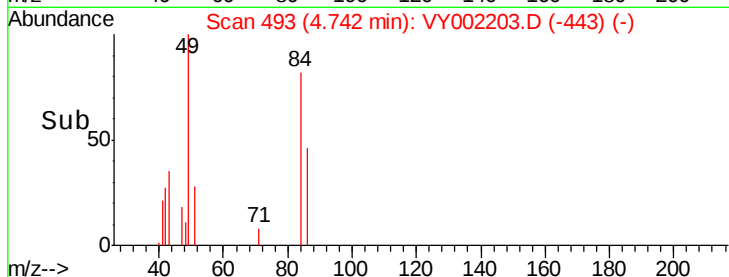
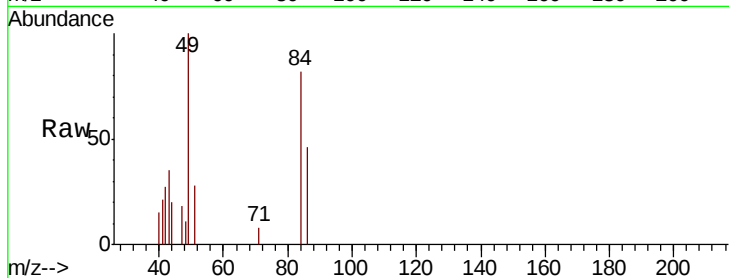




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002203.D
Acq: 02 Apr 2020 19:20

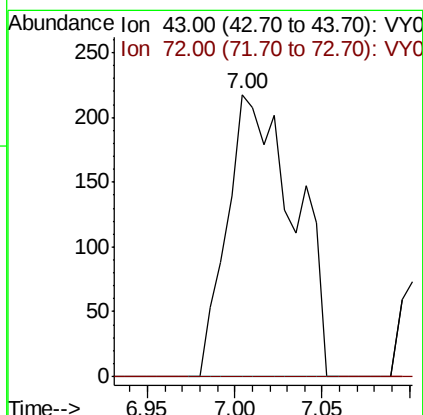
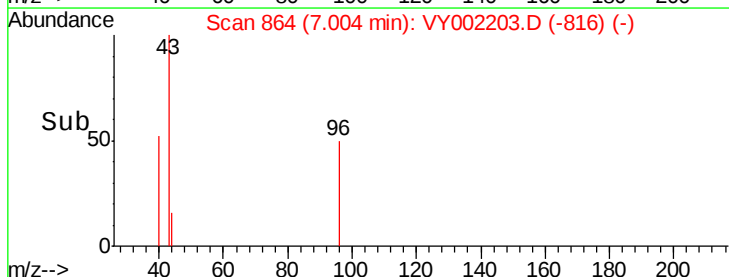
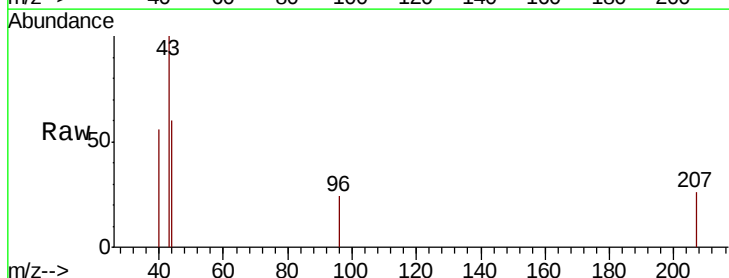
Instrument :
MSVOA_Y
ClientSampled :

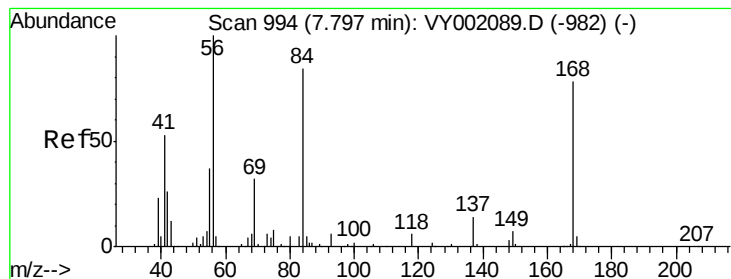
Tot Ion:	84	Resp:	2057
Ion	Ratio	Lower	Upper
84	100		
49	122.4	102.2	153.4
51	34.9	31.2	46.8
86	56.9	52.6	78.8



#25
2-Butanone
Concen: 1.000 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002203.D
Acq: 02 Apr 2020 19:20

Tgt Ion:	43	Resp:	583
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.2	30.2#





#31

Cyclohexane

Concen: 1.797 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Instrument :
MSVOA_Y
ClientSampled :

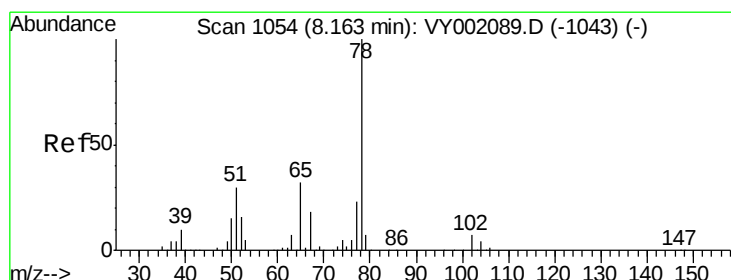
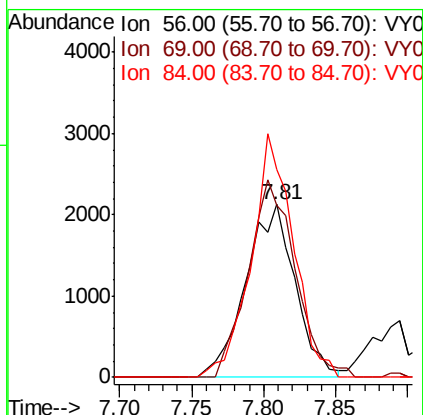
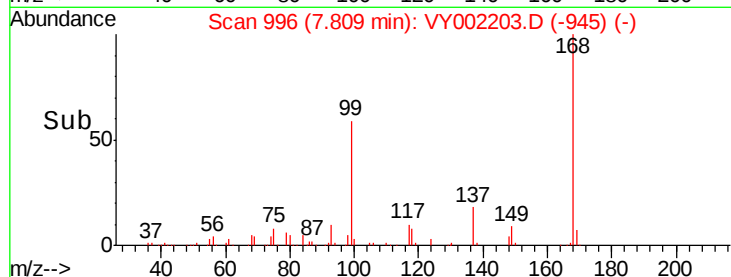
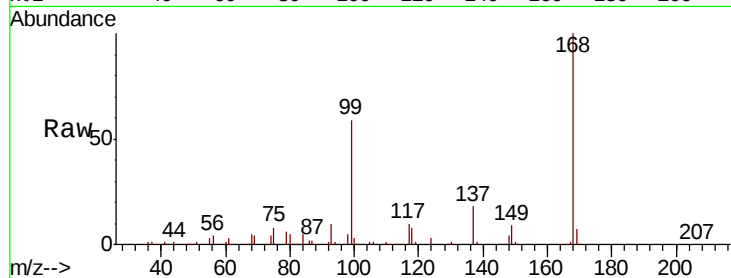
Tot Ion: 56 Resp: 5060

Ion Ratio Lower Upper

56 100

69 99.4 25.8 38.8#

84 119.9 67.1 100.7#



#33

1,2-Dichloroethane-d4

Concen: 58.055 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002203.D

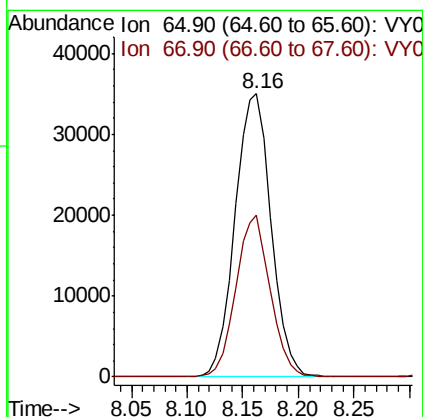
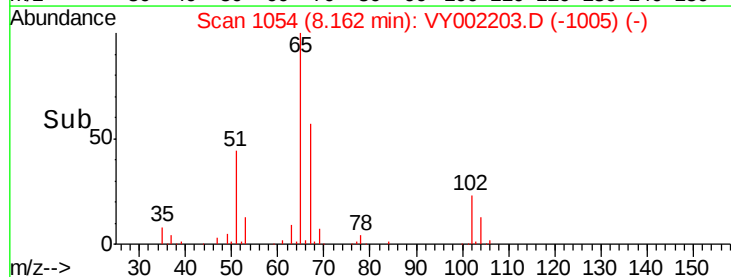
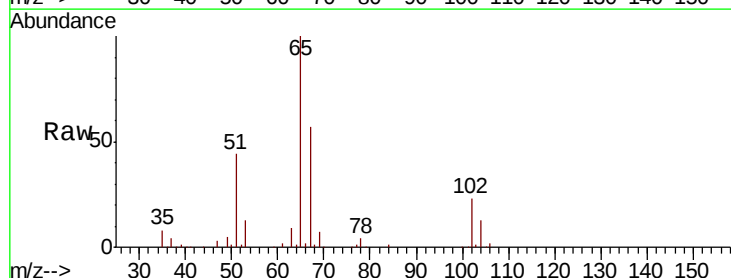
Acq: 02 Apr 2020 19:20

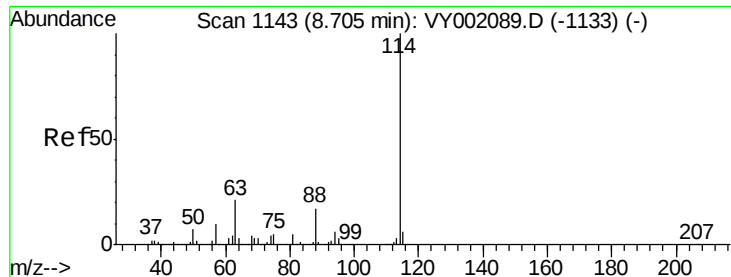
Tgt Ion: 65 Resp: 78452

Ion Ratio Lower Upper

65 100

67 54.3 0.0 112.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

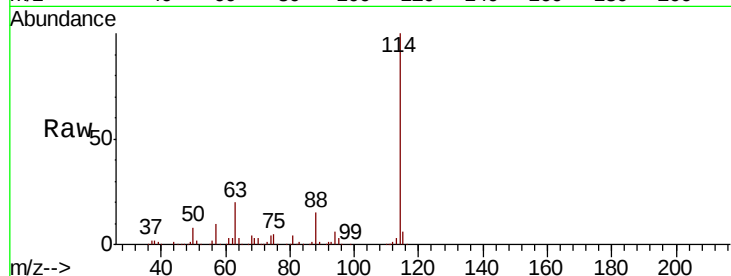
Tot Ion:114 Resp: 240880

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

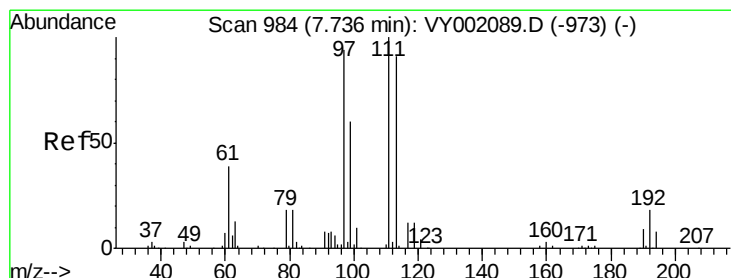
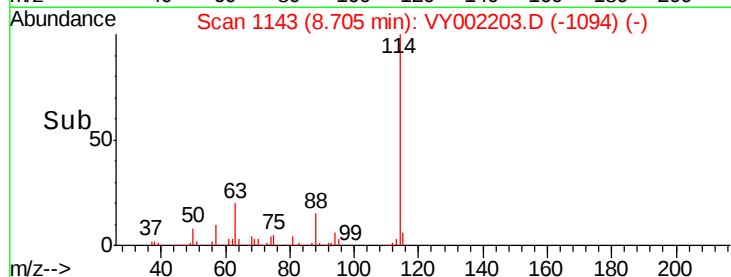
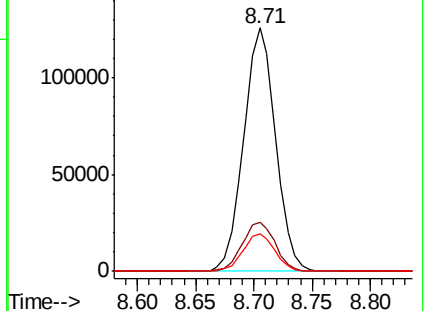
88 15.3 0.0 33.0



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: 52.542 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

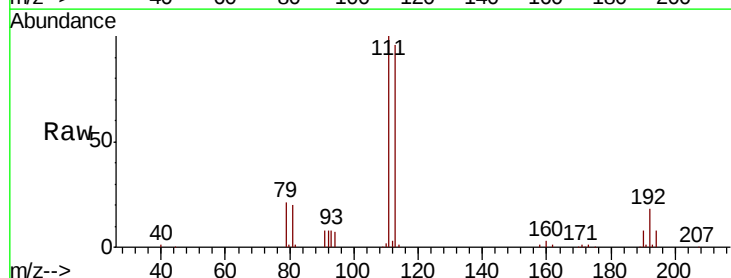
Tgt Ion:113 Resp: 70915

Ion Ratio Lower Upper

113 100

111 103.7 84.4 126.6

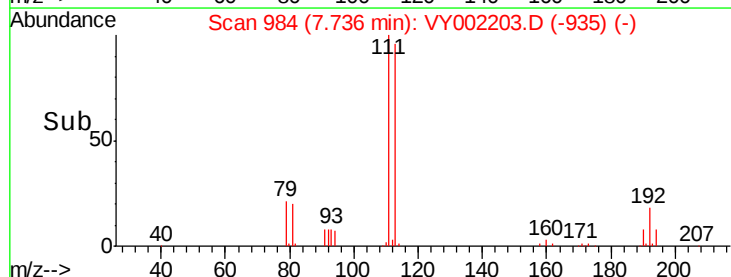
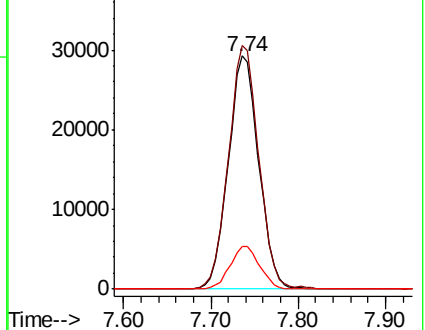
192 18.0 14.6 21.8

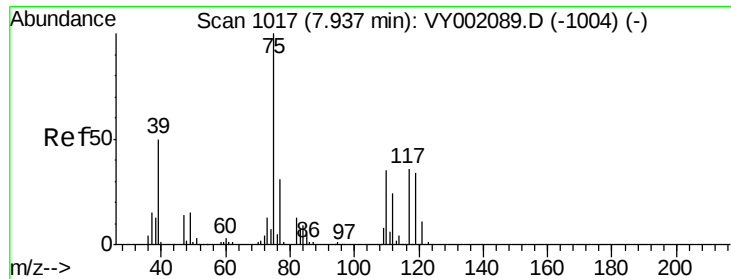


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

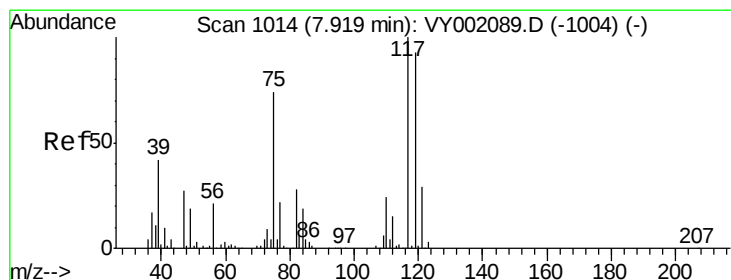
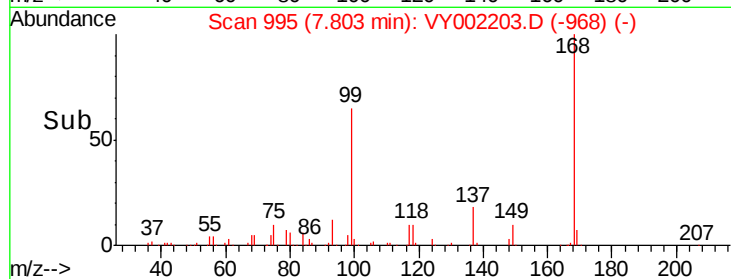
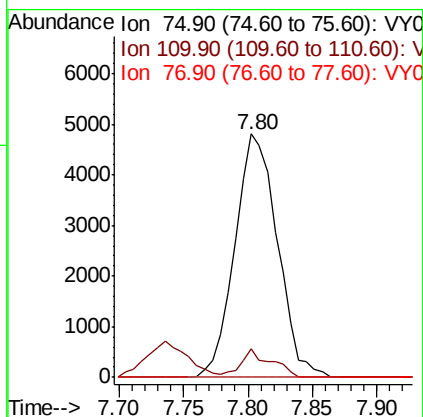
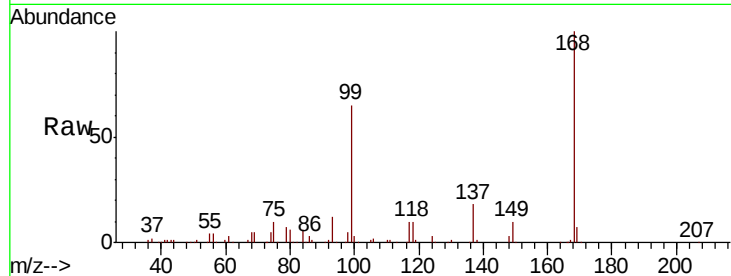




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002203.D
 Acq: 02 Apr 2020 19:20

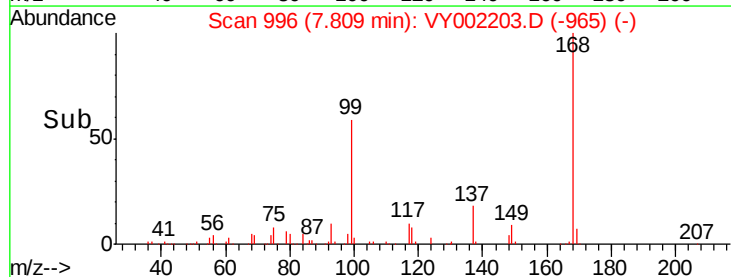
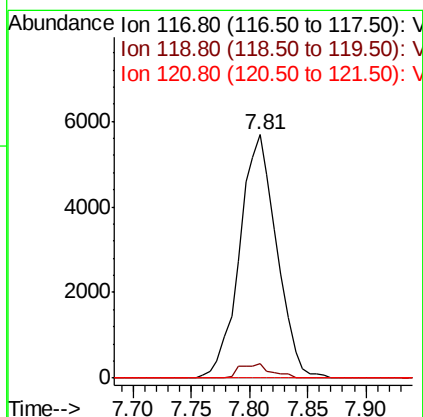
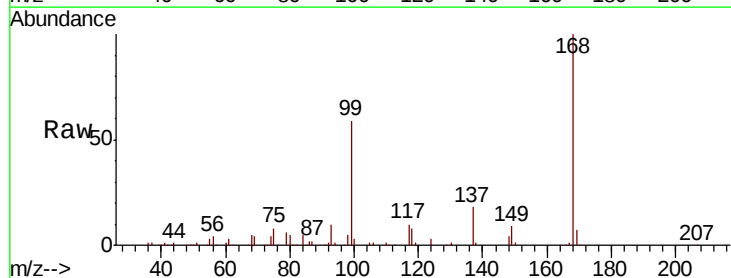
Instrument :
 MSVOA_Y
 ClientSampled :

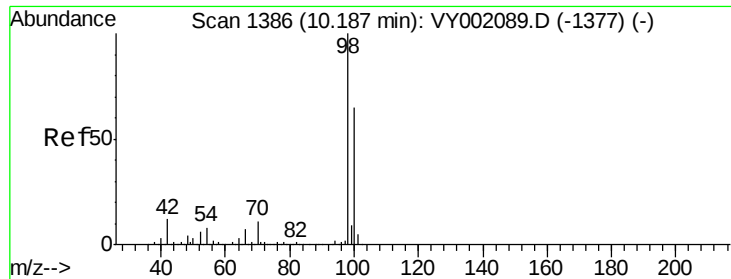
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.501 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY002203.D
 Acq: 02 Apr 2020 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 52.598 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Instrument :

MSVOA_Y

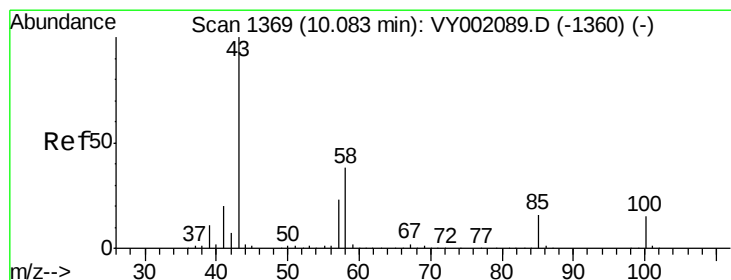
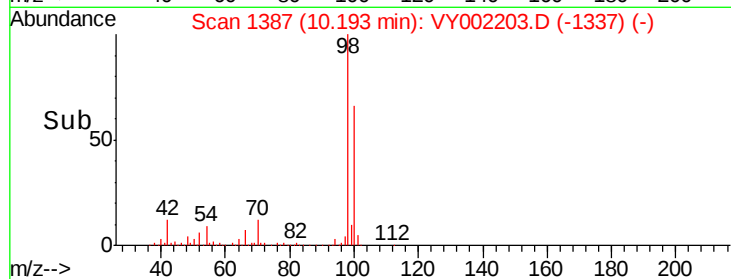
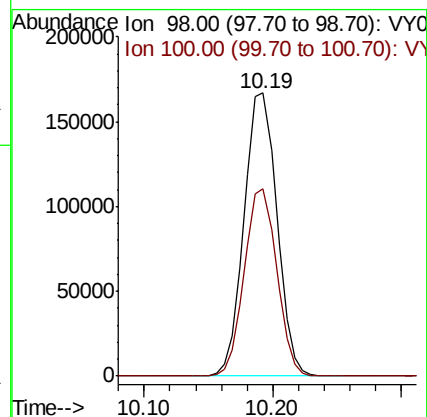
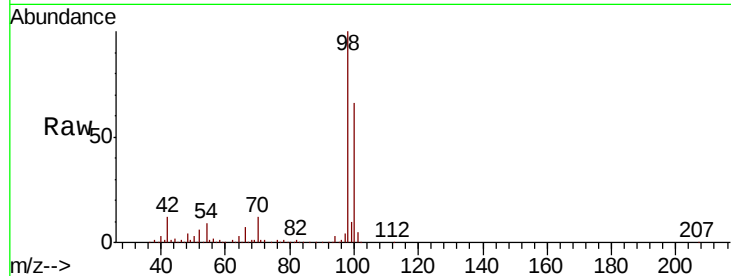
ClientSampleId :

Tot Ion: 98 Resp: 294913

Ion Ratio Lower Upper

98 100

100 65.4 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.287 ug/l

RT: 10.00 min Scan# 1356

Delta R.T. -0.08 min

Lab File: VY002203.D

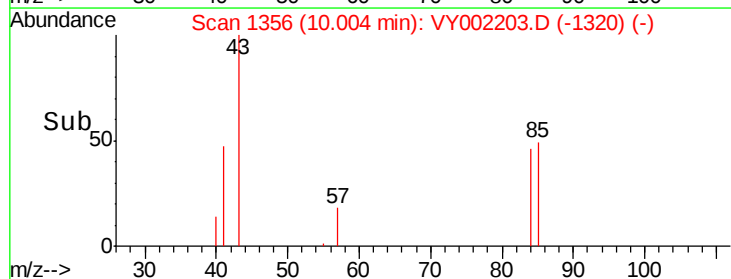
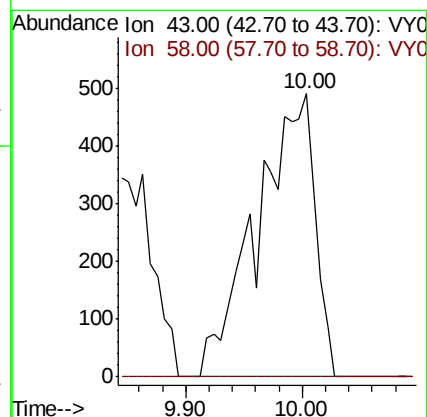
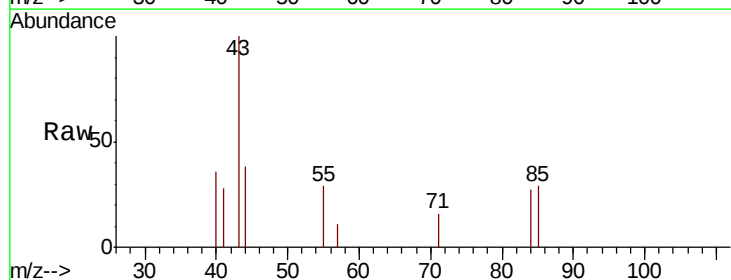
Acq: 02 Apr 2020 19:20

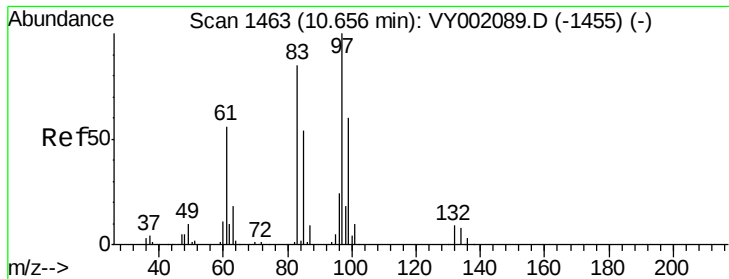
Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

58 0.0 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 1.579 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.03 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 97 Resp: 2062

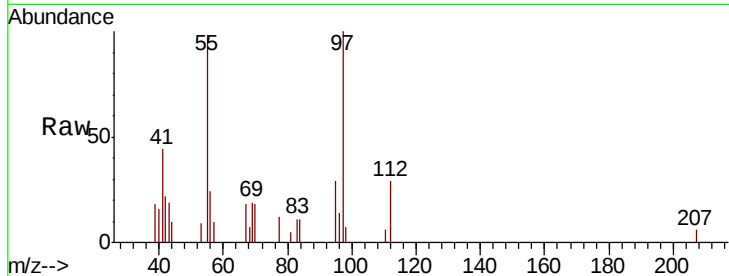
Ion Ratio Lower Upper

97 100

83 10.5 68.2 102.2#

85 0.0 42.9 64.3#

99 0.0 47.9 71.9#

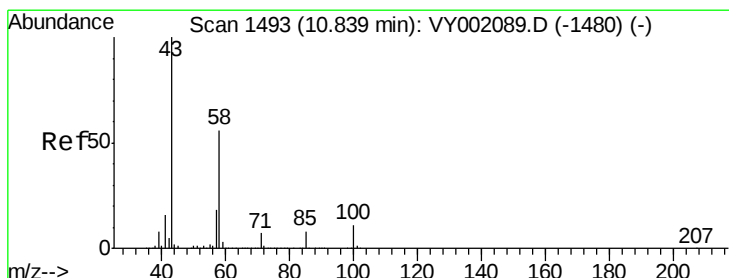
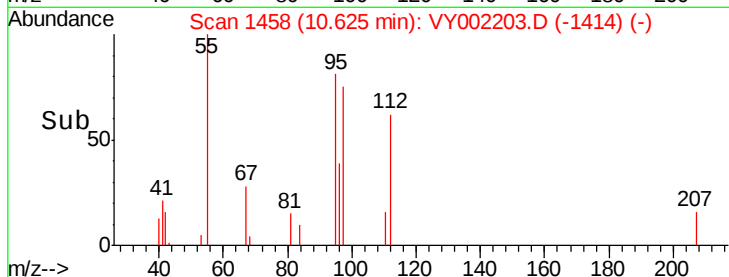
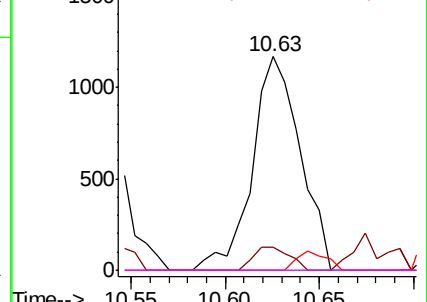


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#59

2-Hexanone

Concen: 3.586 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.03 min

Lab File: VY002203.D

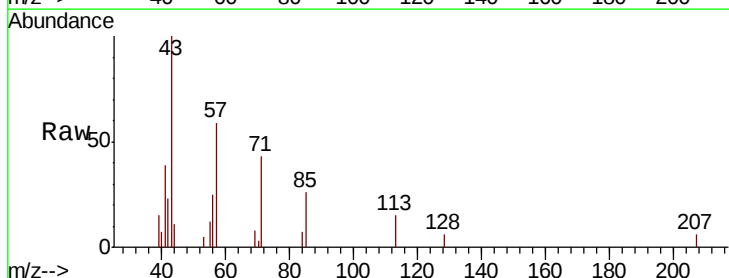
Acq: 02 Apr 2020 19:20

Tgt Ion: 43 Resp: 3324

Ion Ratio Lower Upper

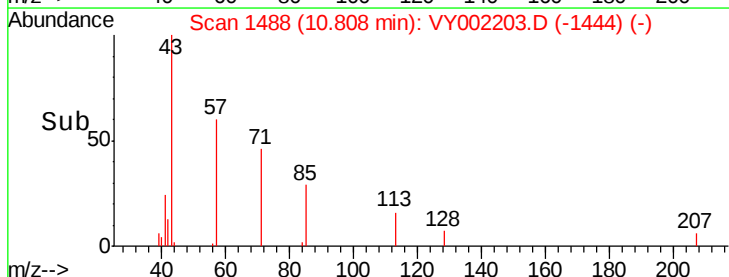
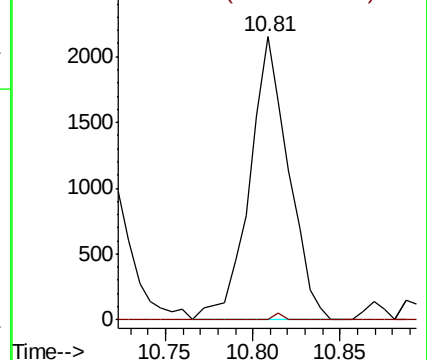
43 100

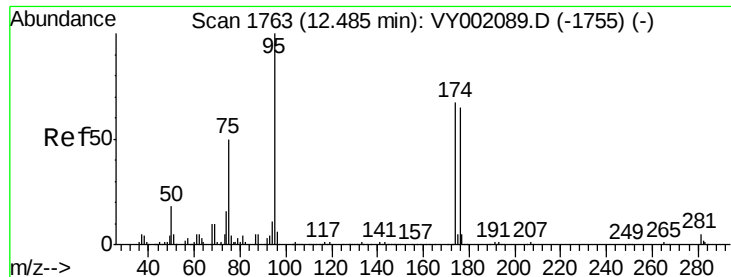
58 0.6 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

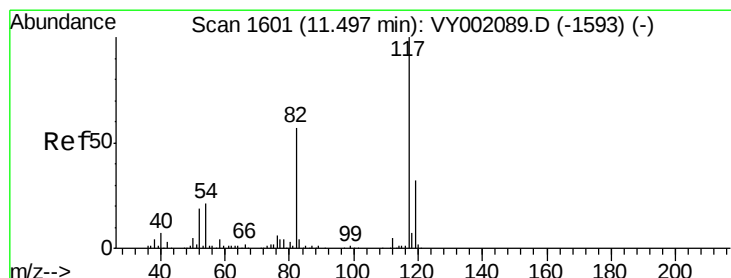
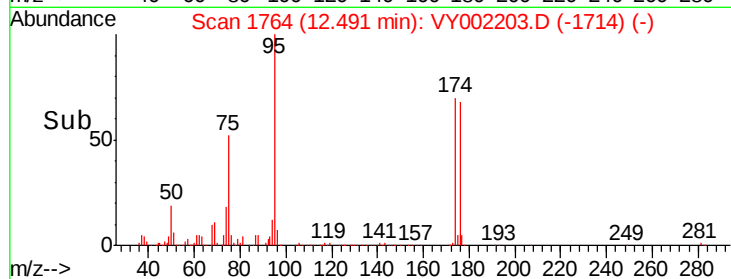
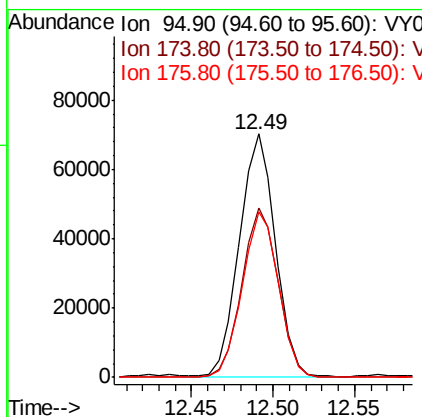
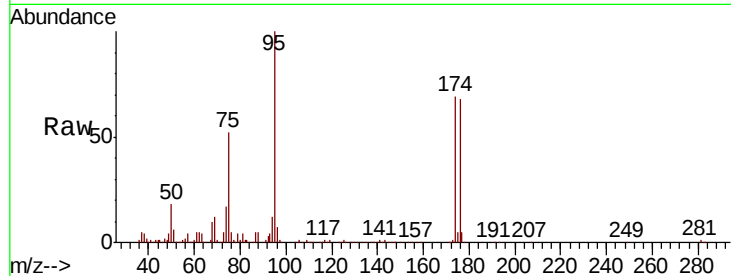




#62
4-Bromofluorobenzene
Concen: 54.791 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002203.D
Acq: 02 Apr 2020 19:20

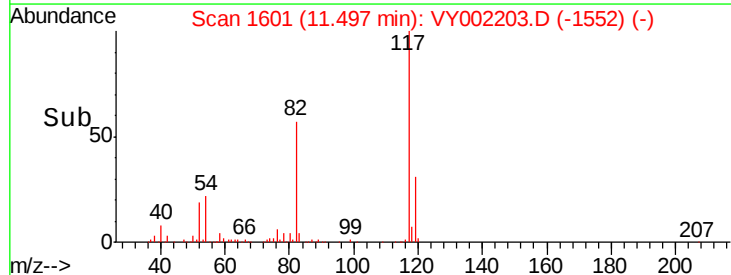
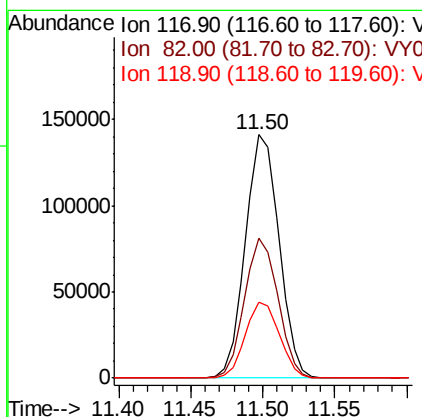
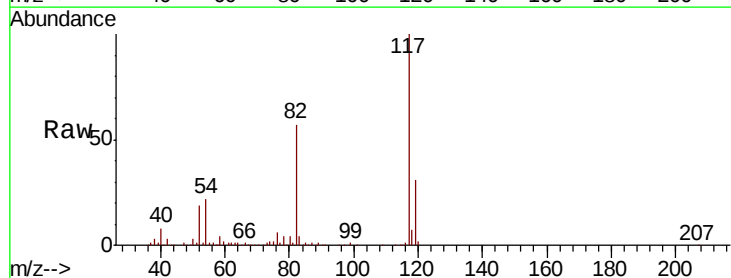
Instrument :
MSVOA_Y
ClientSampleId :

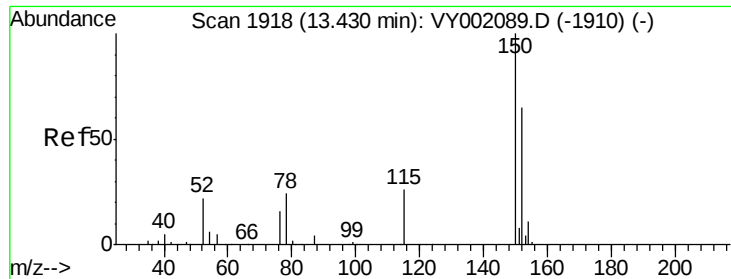
Tot Ion: 95 Resp: 107442
Ion Ratio Lower Upper
95 100
174 70.1 0.0 143.4
176 68.6 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002203.D
Acq: 02 Apr 2020 19:20

Tgt Ion: 117 Resp: 228606
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 31.0 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

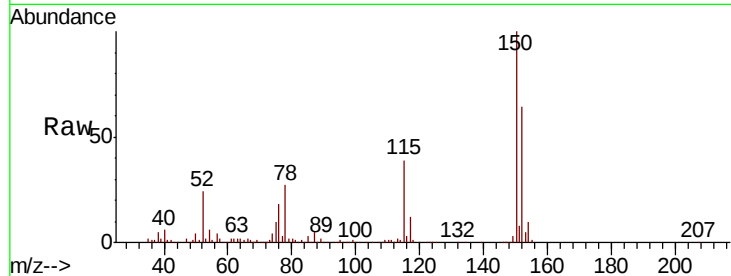
Tot Ion:152 Resp: 103773

Ion Ratio Lower Upper

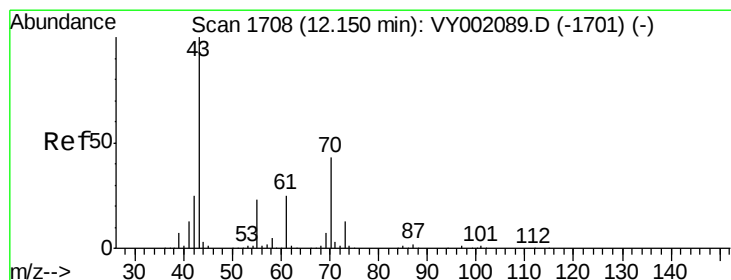
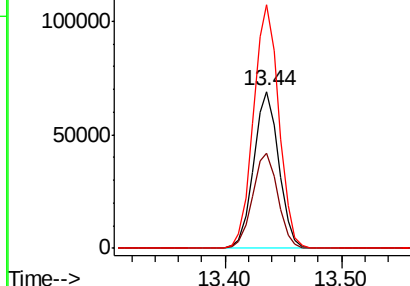
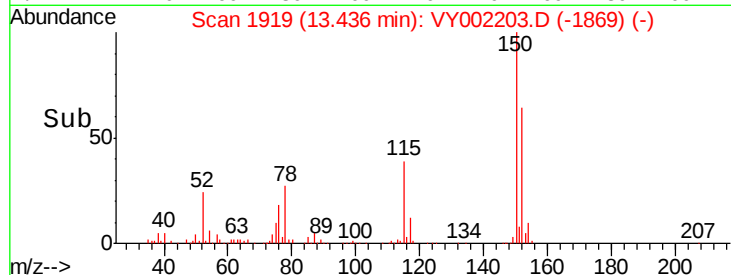
152 100

115 61.6 31.2 93.6

150 157.1 0.0 354.8



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



#74

N-ethyl acetate

Concen: 1.562 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.02 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Tgt Ion: 43 Resp: 3793

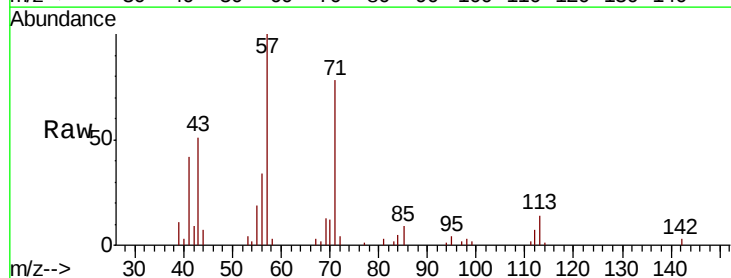
Ion Ratio Lower Upper

43 100

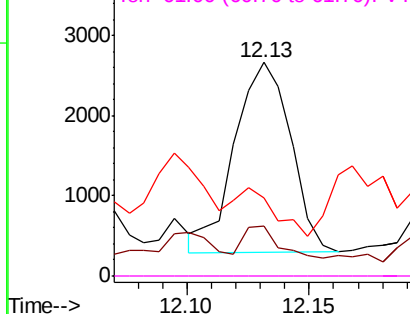
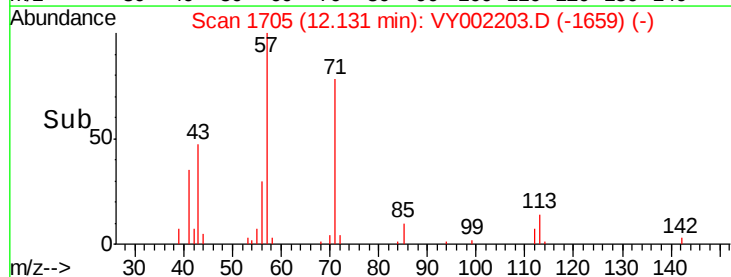
70 9.8 35.0 52.4#

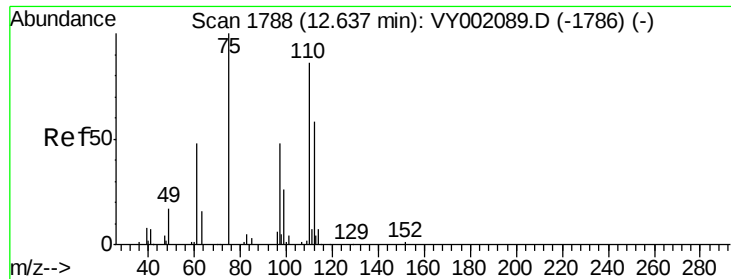
55 0.0 18.7 28.1#

61 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 70.00 (69.70 to 70.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 47.035 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

Instrument :

MSVOA_Y

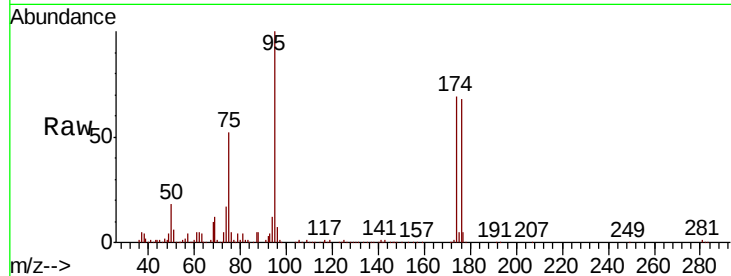
ClientSampleId :

Tot Ion: 75 Resp: 54598

Ion Ratio Lower Upper

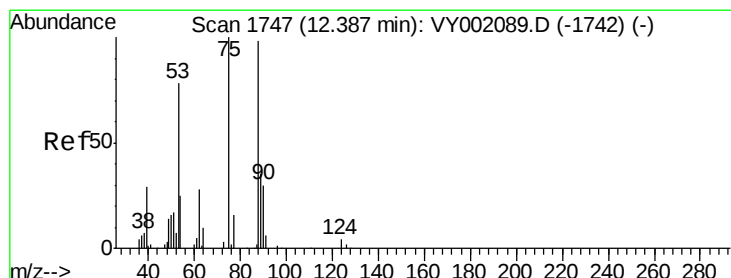
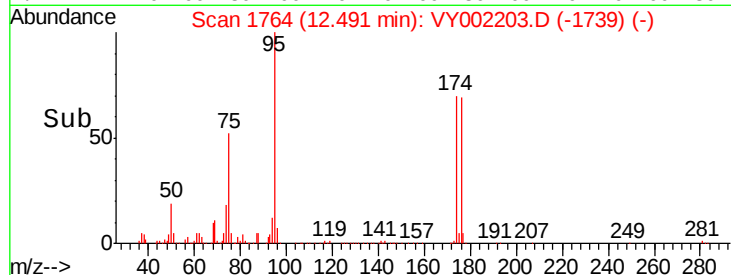
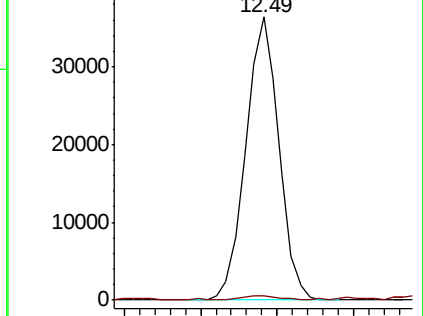
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 91.123 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002203.D

Acq: 02 Apr 2020 19:20

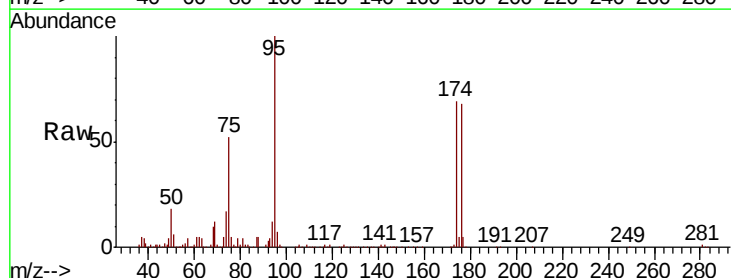
Tgt Ion: 75 Resp: 54598

Ion Ratio Lower Upper

75 100

53 0.6 65.0 97.4#

89 0.0 33.4 50.0#



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

