

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\
 Data File : VY002706.D
 Acq On : 18 May 2020 13:12
 Operator : SY/MD
 Sample : L2679-08RE
 Misc : 7.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 23:53:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

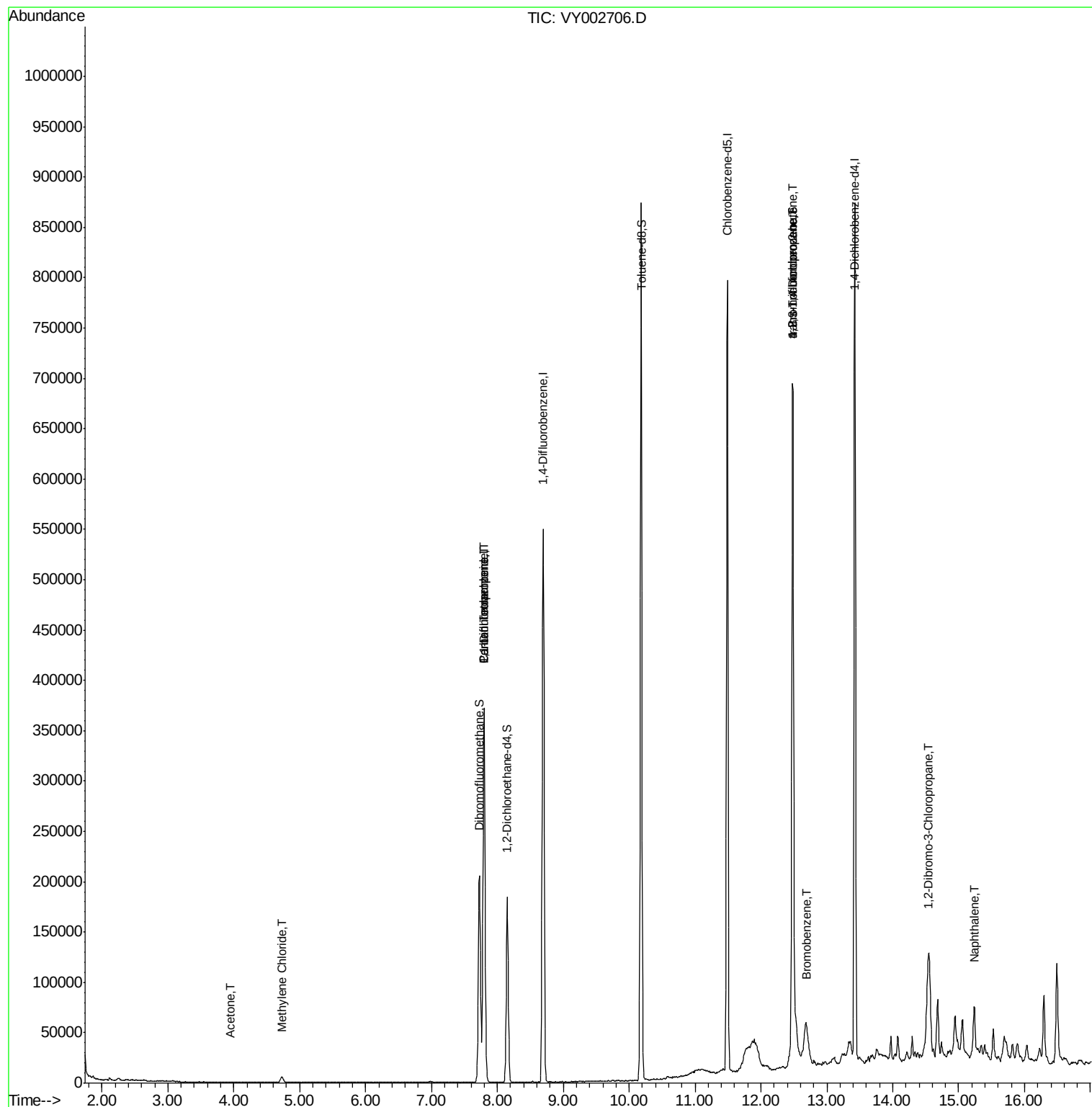
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	316507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	500687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	461614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231220	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	140700	56.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.66%	
35) Dibromofluoromethane	7.72	113	146404	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
50) Toluene-d8	10.18	98	588731	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.48	95	201080	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	600	1.176	ug/l	93
20) Methylene Chloride	4.72	84	4423	1.434	ug/l	90
36) 1,1-Dichloropropene	7.80	75	18772	4.429	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28264	6.204	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	96997	51.067	ug/l #	100
77) Bromobenzene	12.69	156	48605	12.868	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	96997	96.579	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.54	75	6774	15.877	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.00	180	537	Below Cal	#	1
94) Hexachlorobutadiene	15.11	225	43	Below Cal	#	1
95) Naphthalene	15.23	128	30715	3.415	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.44	180	576	Below Cal	#	1

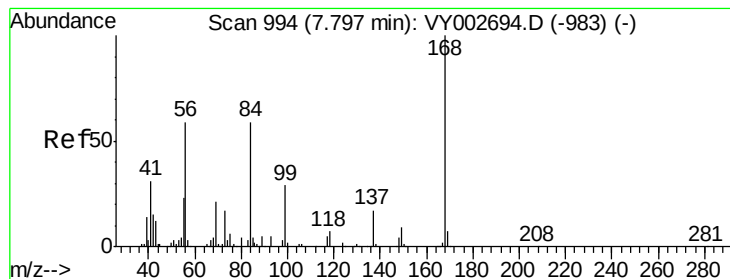
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat May 16 04:52:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

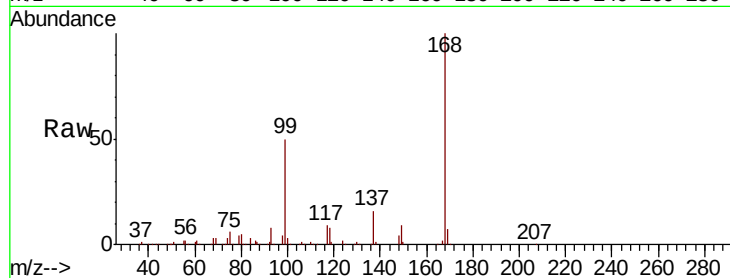
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 316507

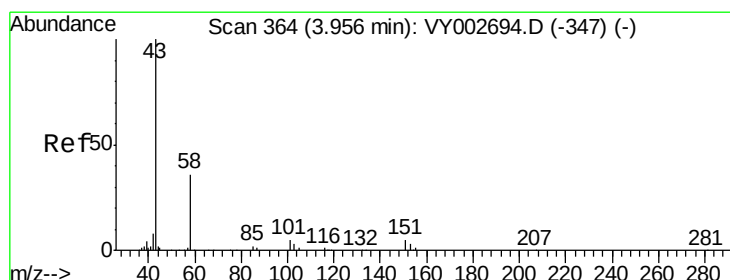
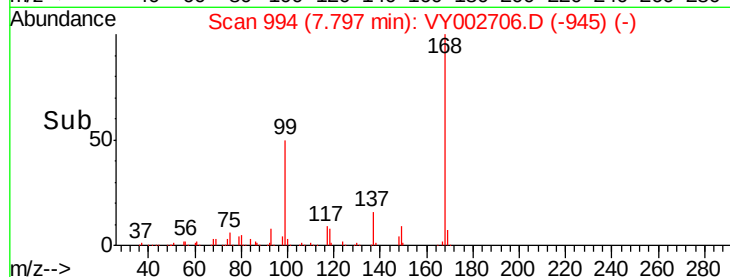
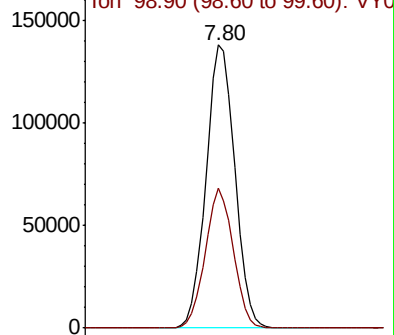
Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002706.D (-945) (-)



#16

Acetone

Concen: 1.176 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002706.D

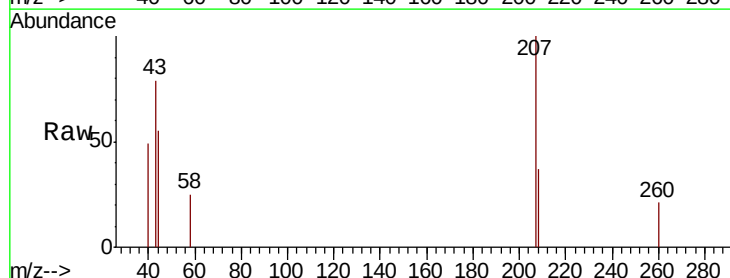
Acq: 18 May 2020 13:12

Tgt Ion: 43 Resp: 600

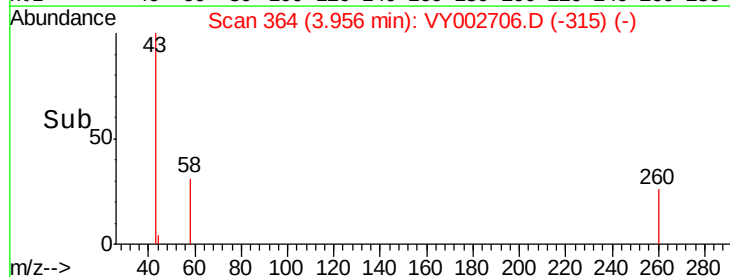
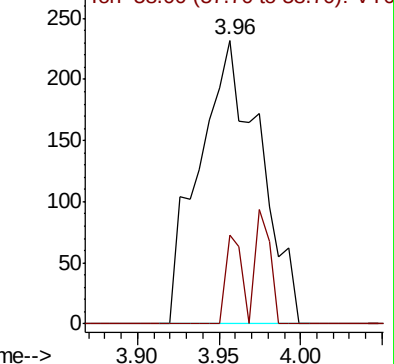
Ion Ratio Lower Upper

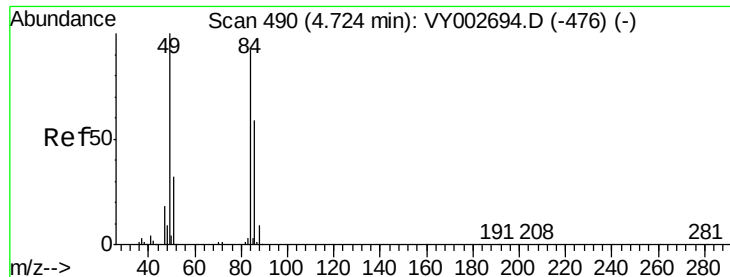
43 100

58 31.5 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY002706.D (-315) (-)

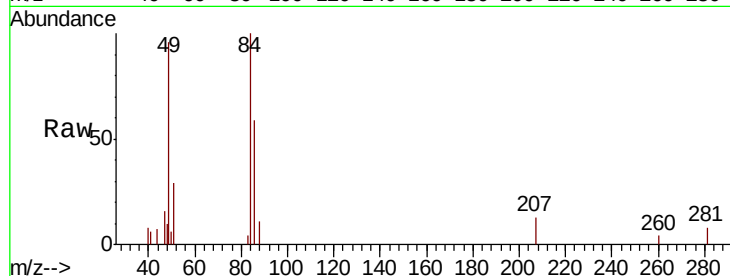




#20
Methylene Chloride
Concen: 1.434 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002706.D
Acq: 18 May 2020 13:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	4423
Ion	Ratio	Lower	Upper
84	100		
49	96.3	87.4	131.0
51	29.1	27.9	41.9
86	58.7	51.7	77.5



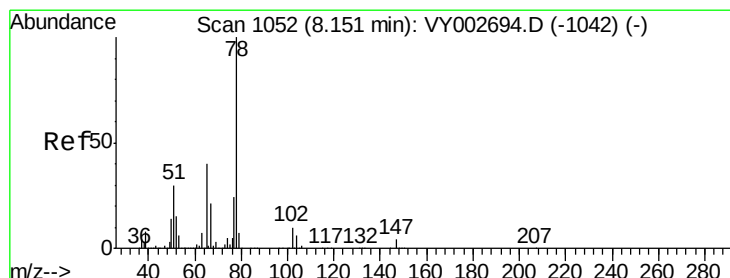
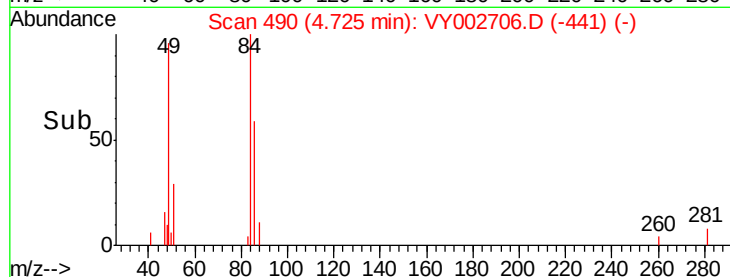
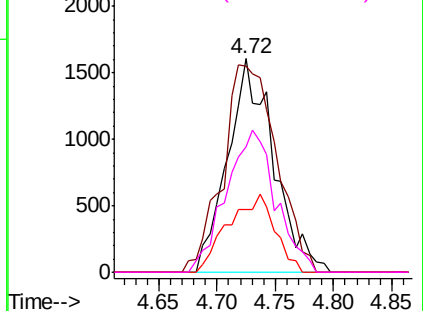
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

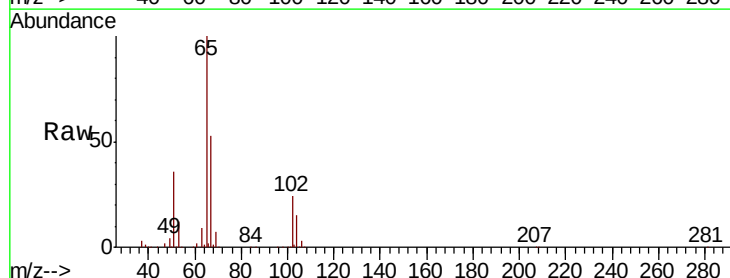
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#33
1,2-Dichloroethane-d4
Concen: 56.831 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY002706.D
Acq: 18 May 2020 13:12

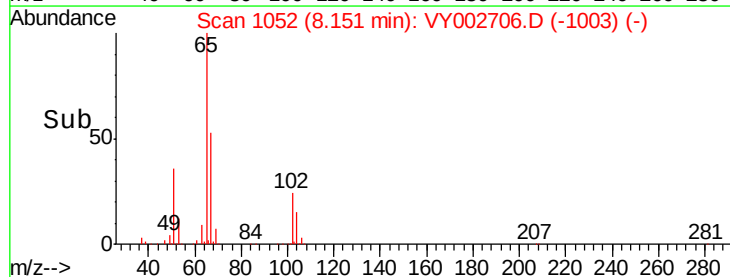
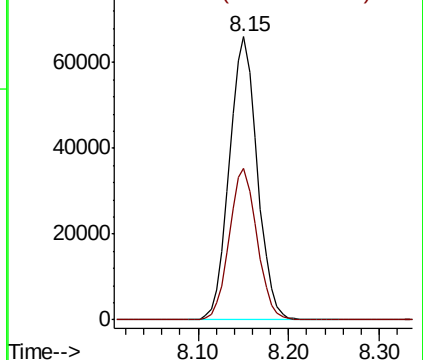
Tgt Ion:	65	Resp:	140700
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	109.0

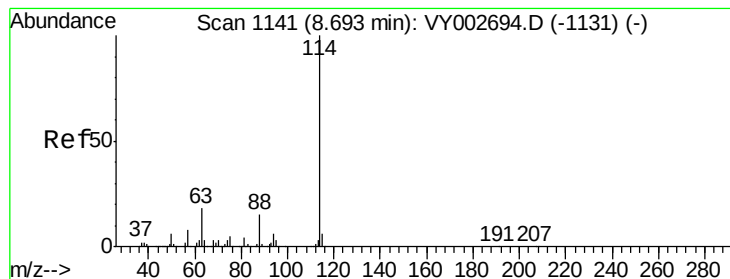


Abundance

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: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

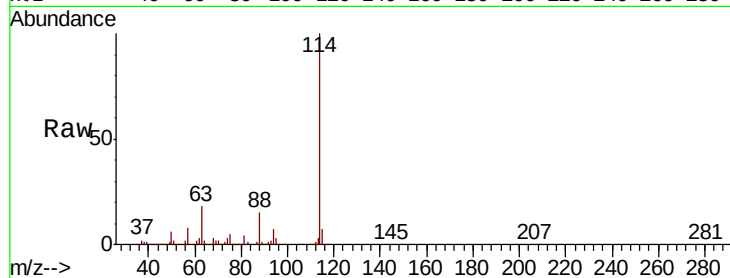
Tot Ion:114 Resp: 500687

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

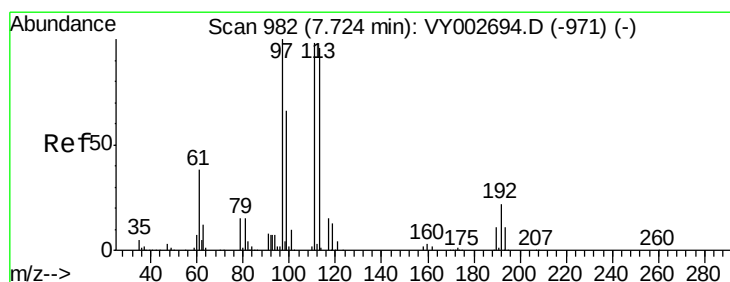
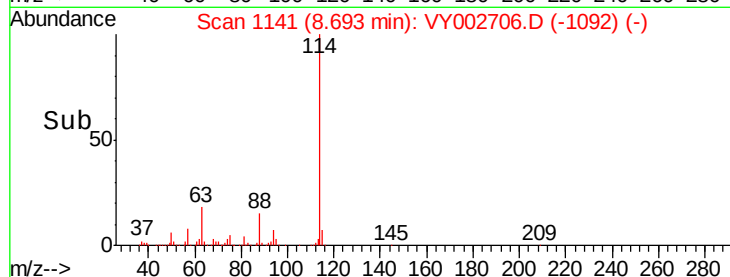
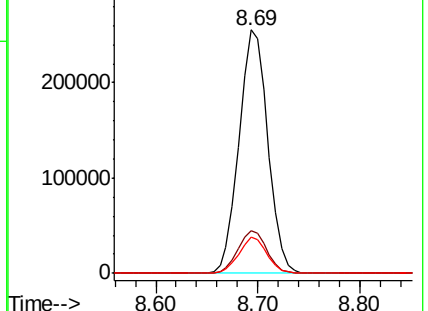
88 14.9 0.0 29.4



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: 52.984 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

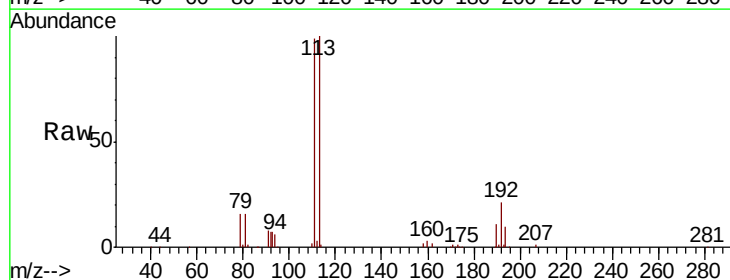
Tgt Ion:113 Resp: 146404

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

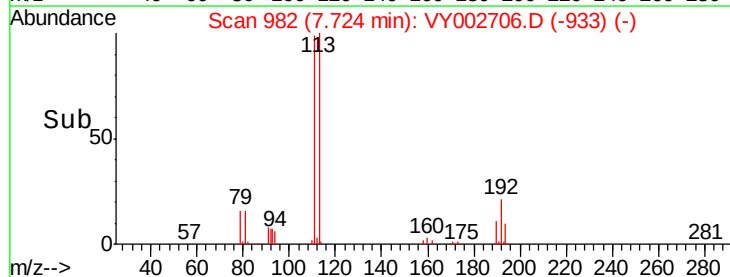
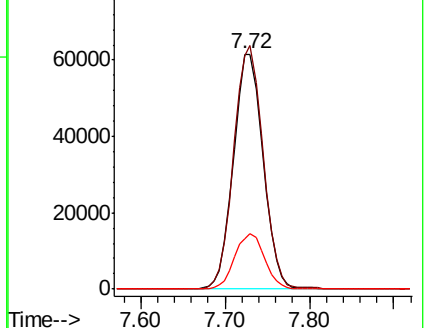
192 23.6 18.6 27.8

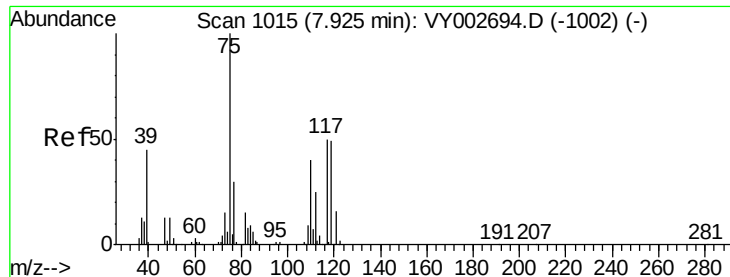


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.429 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

Instrument :

MSVOA_Y

ClientSampled :

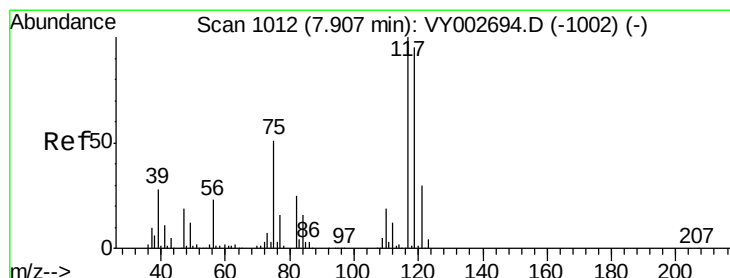
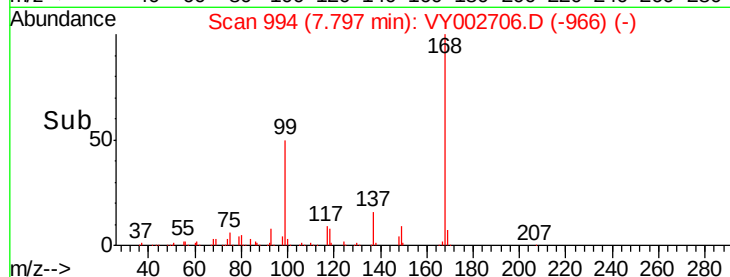
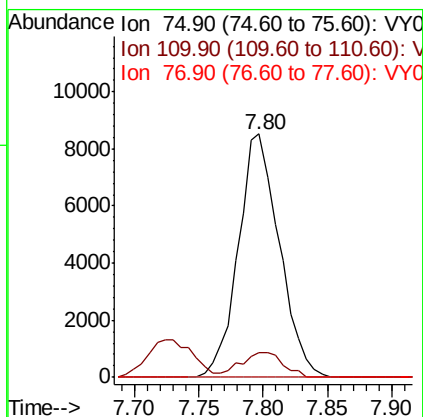
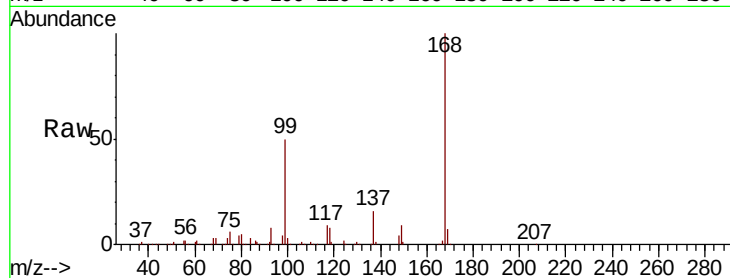
Tot Ion: 75 Resp: 18772

Ion Ratio Lower Upper

75 100

110 10.4 19.4 58.4#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.204 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

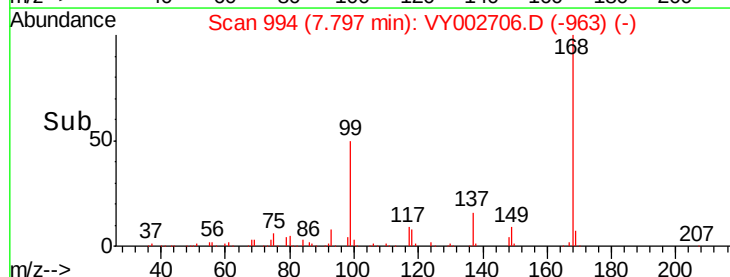
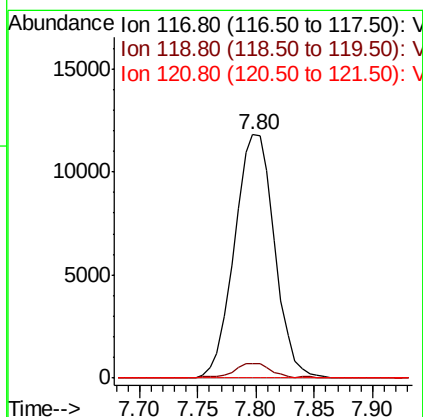
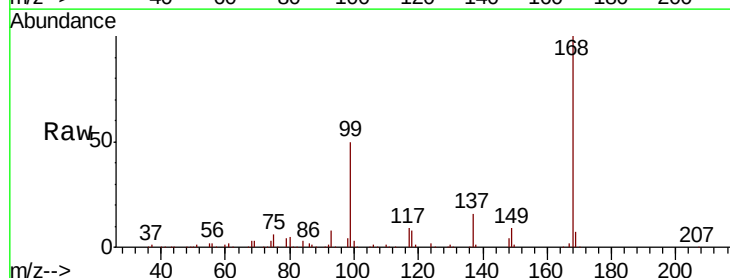
Tgt Ion: 117 Resp: 28264

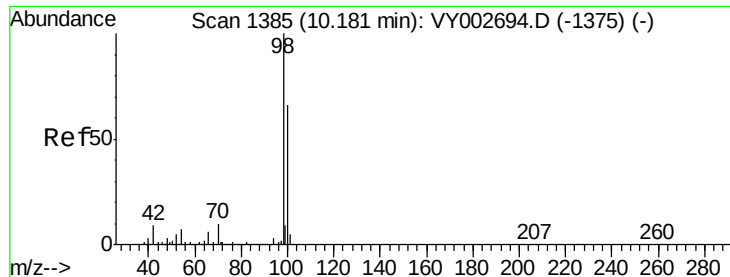
Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 52.921 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

Instrument :

MSVOA_Y

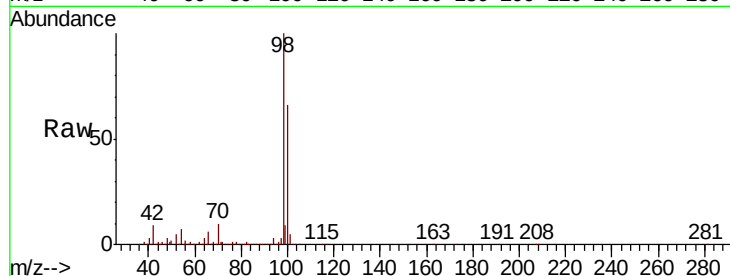
ClientSampleId :

Tot Ion: 98 Resp: 588731

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

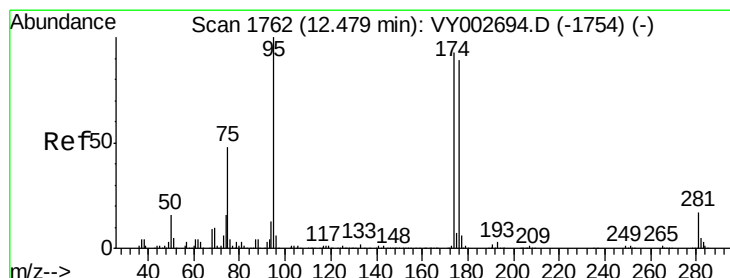
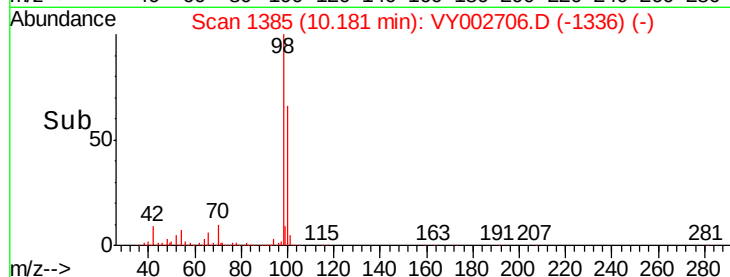
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.589 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

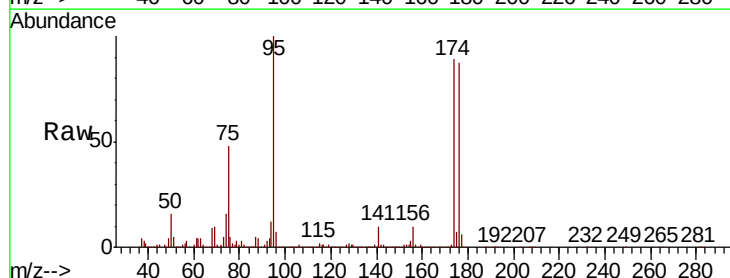
Tgt Ion: 95 Resp: 201080

Ion Ratio Lower Upper

95 100

174 94.5 0.0 191.4

176 90.7 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

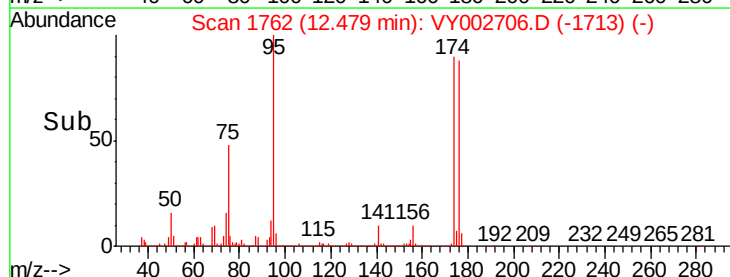
150000

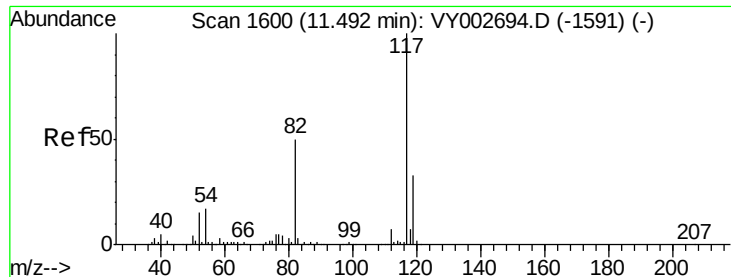
100000

50000

0

Time-->

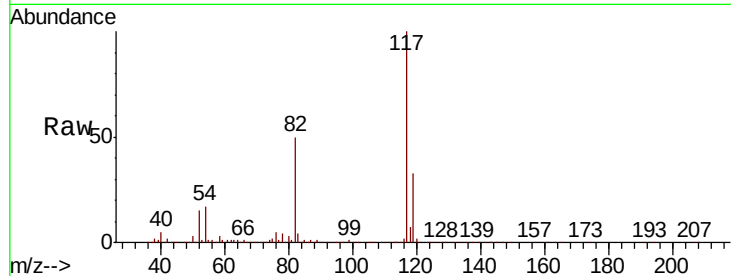




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002706.D
Acq: 18 May 2020 13:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	40.3	60.5
119	32.7	26.2	39.4

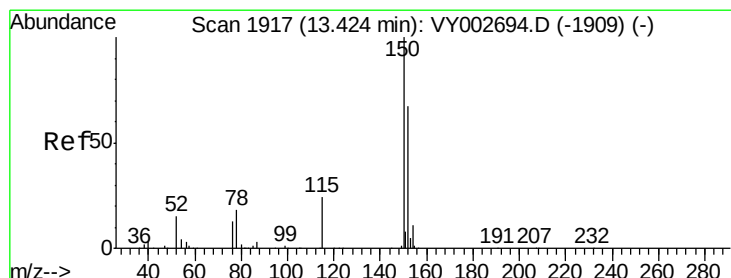
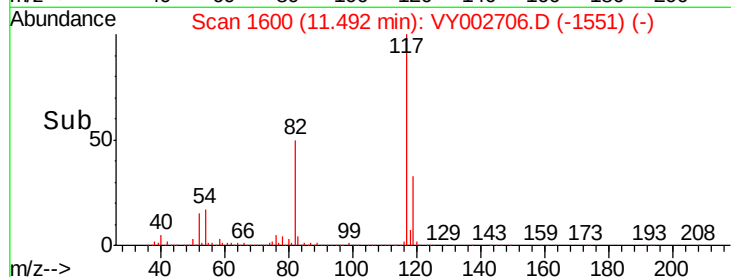
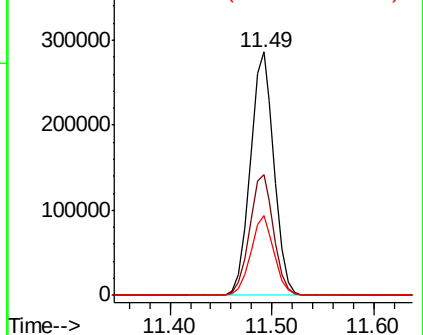


Abundance

Ion 116.90 (116.60 to 117.60): V

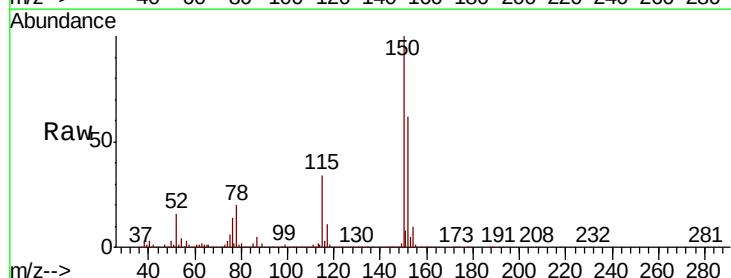
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002706.D
Acq: 18 May 2020 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.2	81.6
150	157.1	0.0	343.8

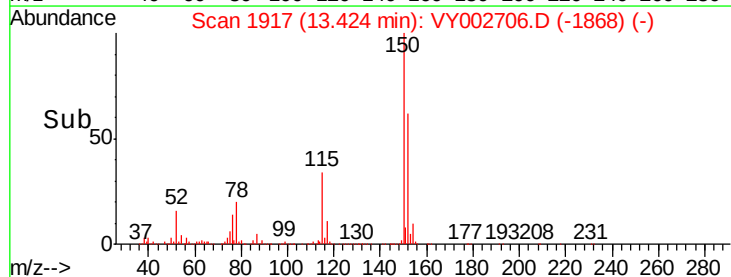
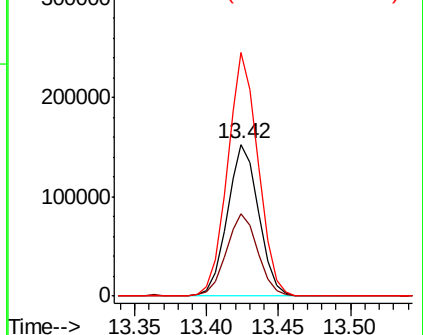


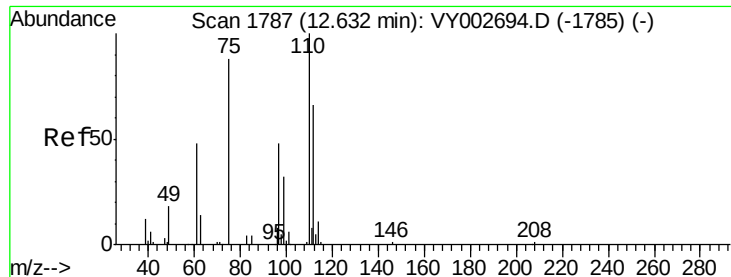
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 51.067 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

Instrument :

MSVOA_Y

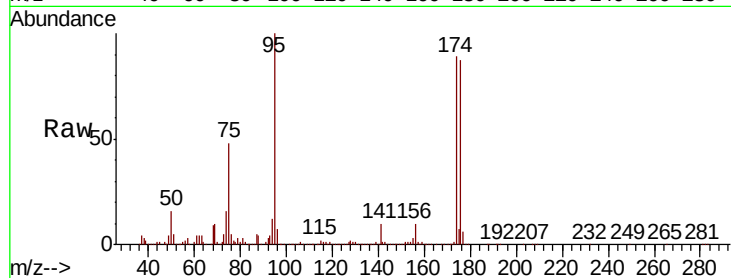
ClientSampleId :

Tot Ion: 75 Resp: 96997

Ion Ratio Lower Upper

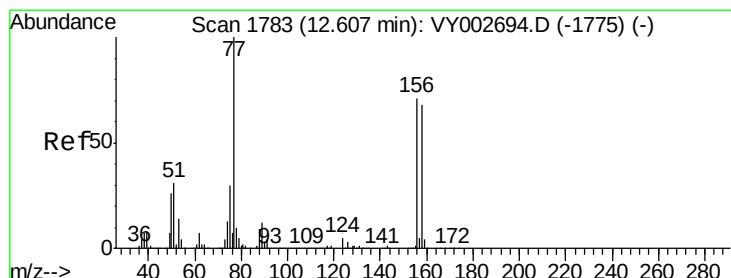
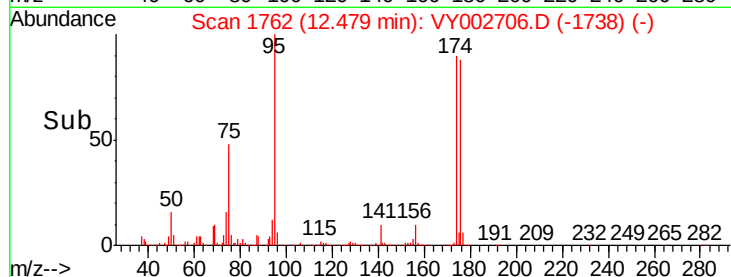
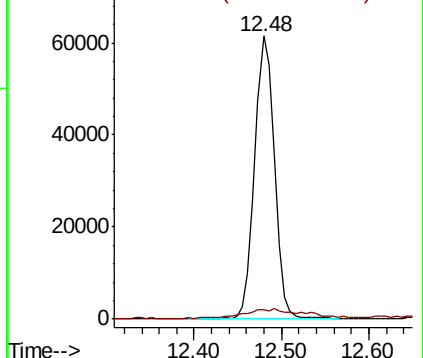
75 100

77 8.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 12.868 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.09 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

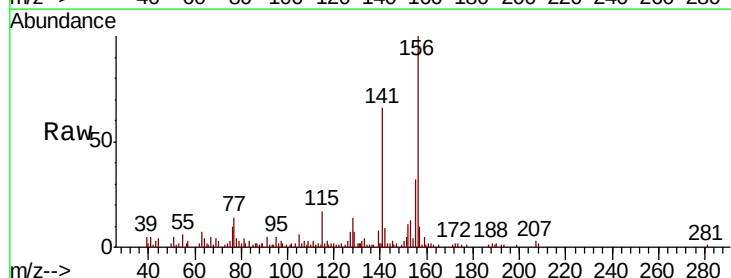
Tgt Ion: 156 Resp: 48605

Ion Ratio Lower Upper

156 100

77 3.3 80.8 242.3#

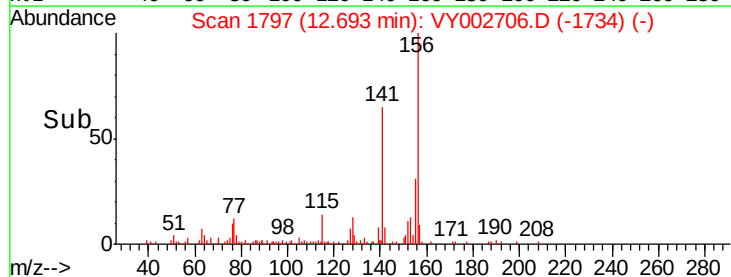
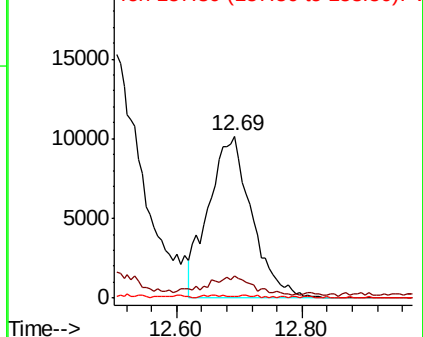
158 0.0 49.0 147.0#

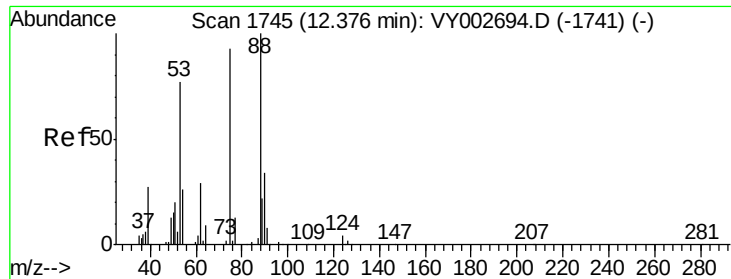


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.579 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

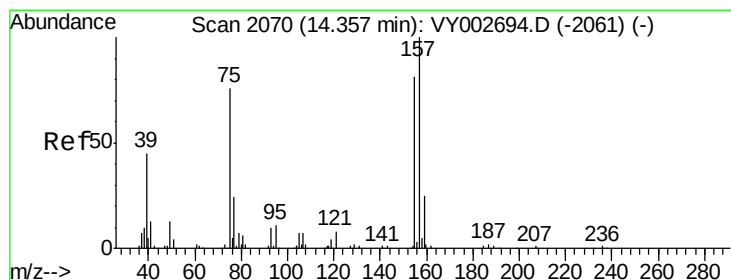
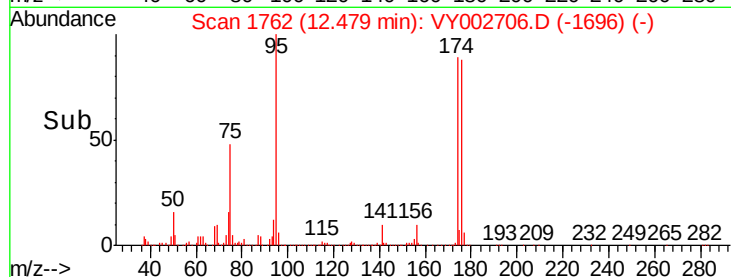
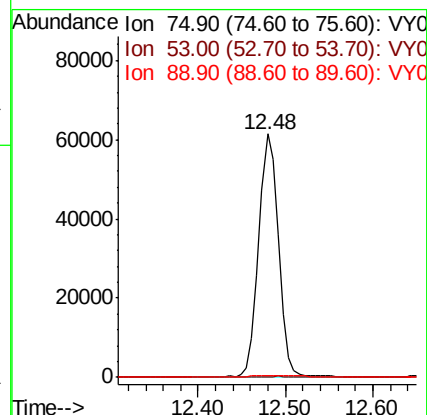
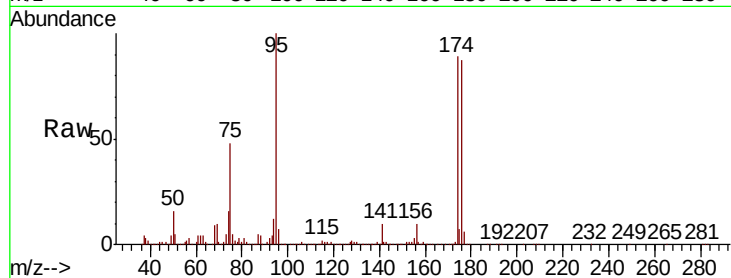
Tot Ion: 75 Resp: 96997

Ion Ratio Lower Upper

75 100

53 0.3 65.0 97.6#

89 1.9 66.6 99.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.877 ug/l

RT: 14.54 min Scan# 2100

Delta R.T. 0.18 min

Lab File: VY002706.D

Acq: 18 May 2020 13:12

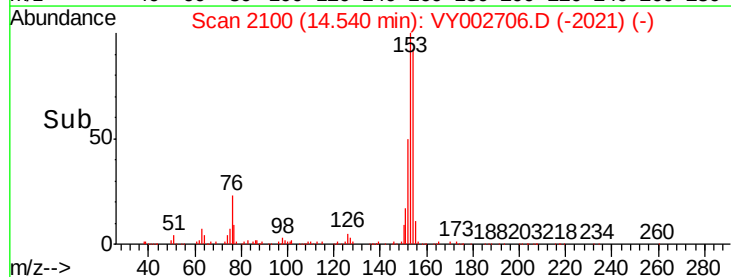
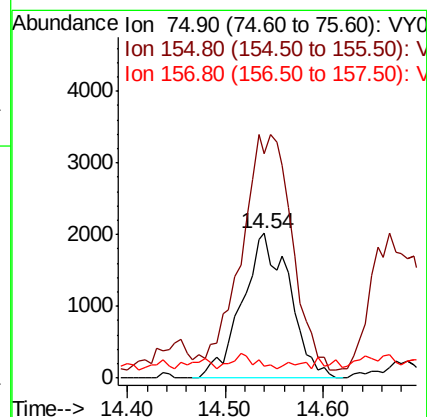
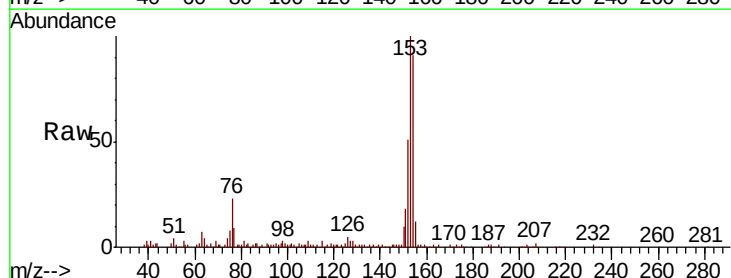
Tgt Ion: 75 Resp: 6774

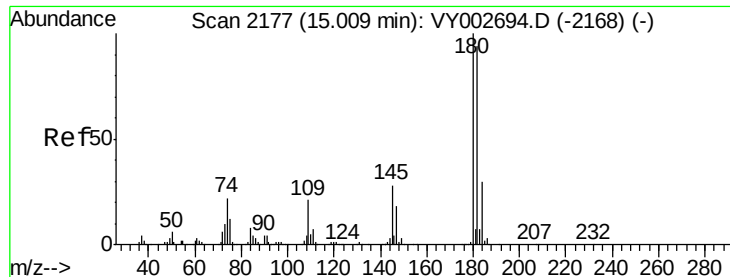
Ion Ratio Lower Upper

75 100

155 174.0 53.5 160.7#

157 0.0 67.9 203.7#

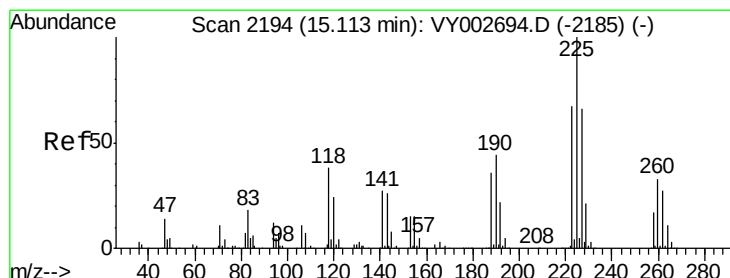
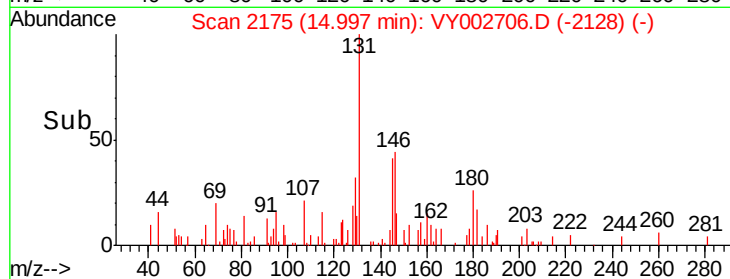
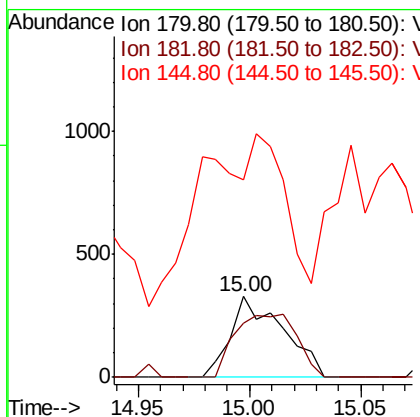
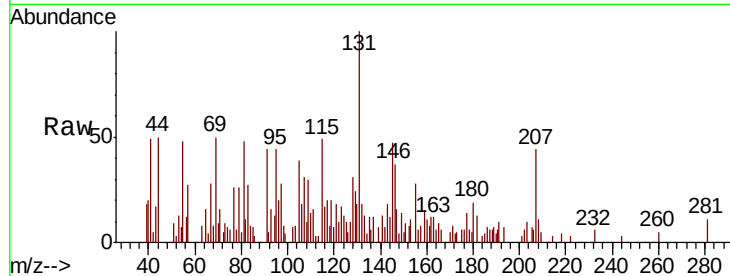




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY002706.D
 Acq: 18 May 2020 13:12

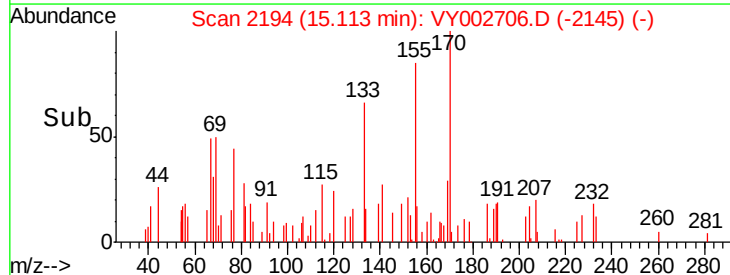
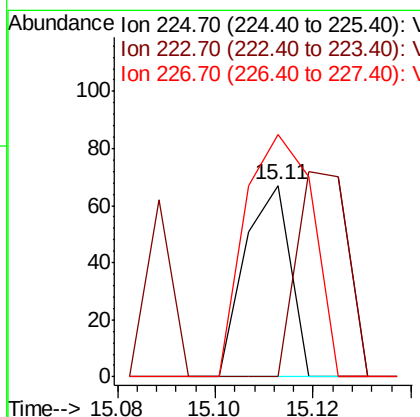
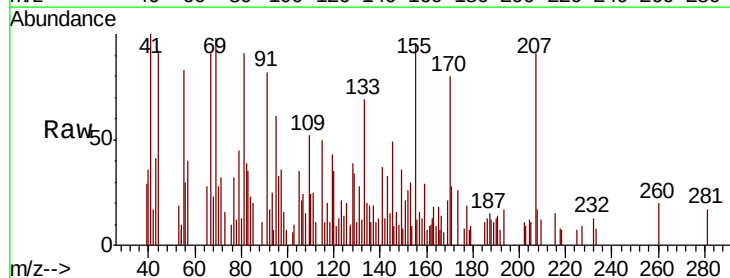
Instrument :
 MSVOA_Y
 ClientSampleId :

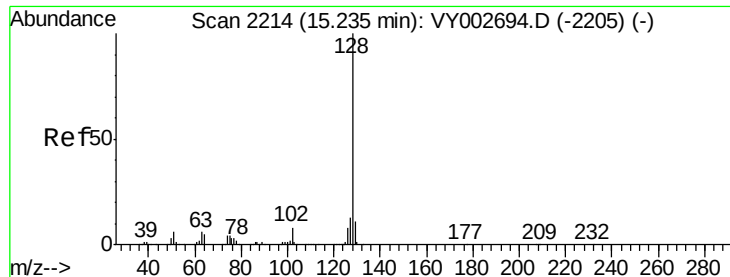
Tot Ion:180 Resp: 537
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 195.7 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002706.D
 Acq: 18 May 2020 13:12

Tgt Ion:225 Resp: 43
 Ion Ratio Lower Upper
 225 100
 223 120.9 31.6 94.8#
 227 188.4 32.2 96.6#

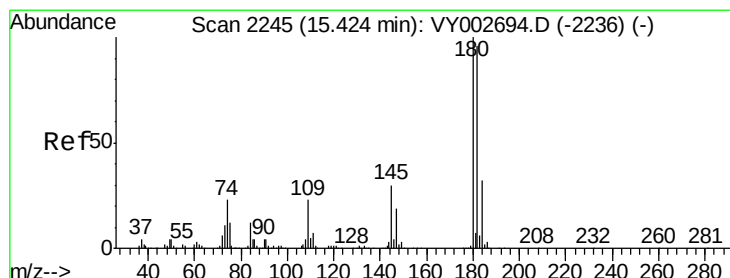
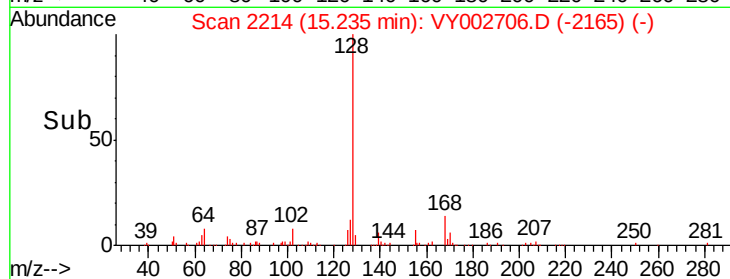
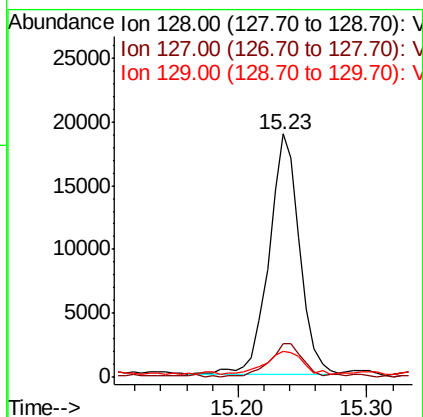
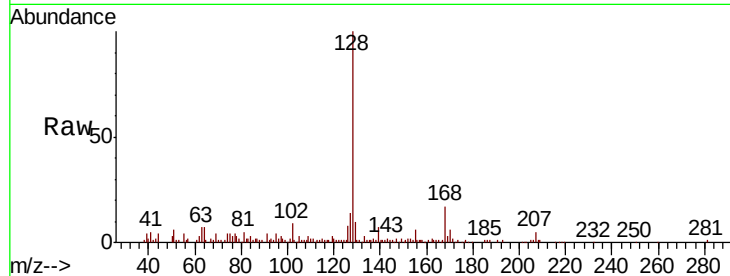




#95
Naphthalene
Concen: 3.415 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002706.D
Acq: 18 May 2020 13:12

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:128 Resp: 30715
Ion Ratio Lower Upper
128 100
127 16.5 10.3 15.5#
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002706.D
Acq: 18 May 2020 13:12

Tgt Ion:180 Resp: 576
Ion Ratio Lower Upper
180 100
182 75.9 47.6 142.9
145 259.5 15.1 45.3#

