

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002724.D
 Acq On : 20 May 2020 12:22
 Operator : SY/MD
 Sample : L2722-01
 Misc : 6.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 02:43:55 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	343935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	539171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	491281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	247561	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	149903	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
35) Dibromofluoromethane	7.72	113	159488	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	10.18	98	627543	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.48	95	212052	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	

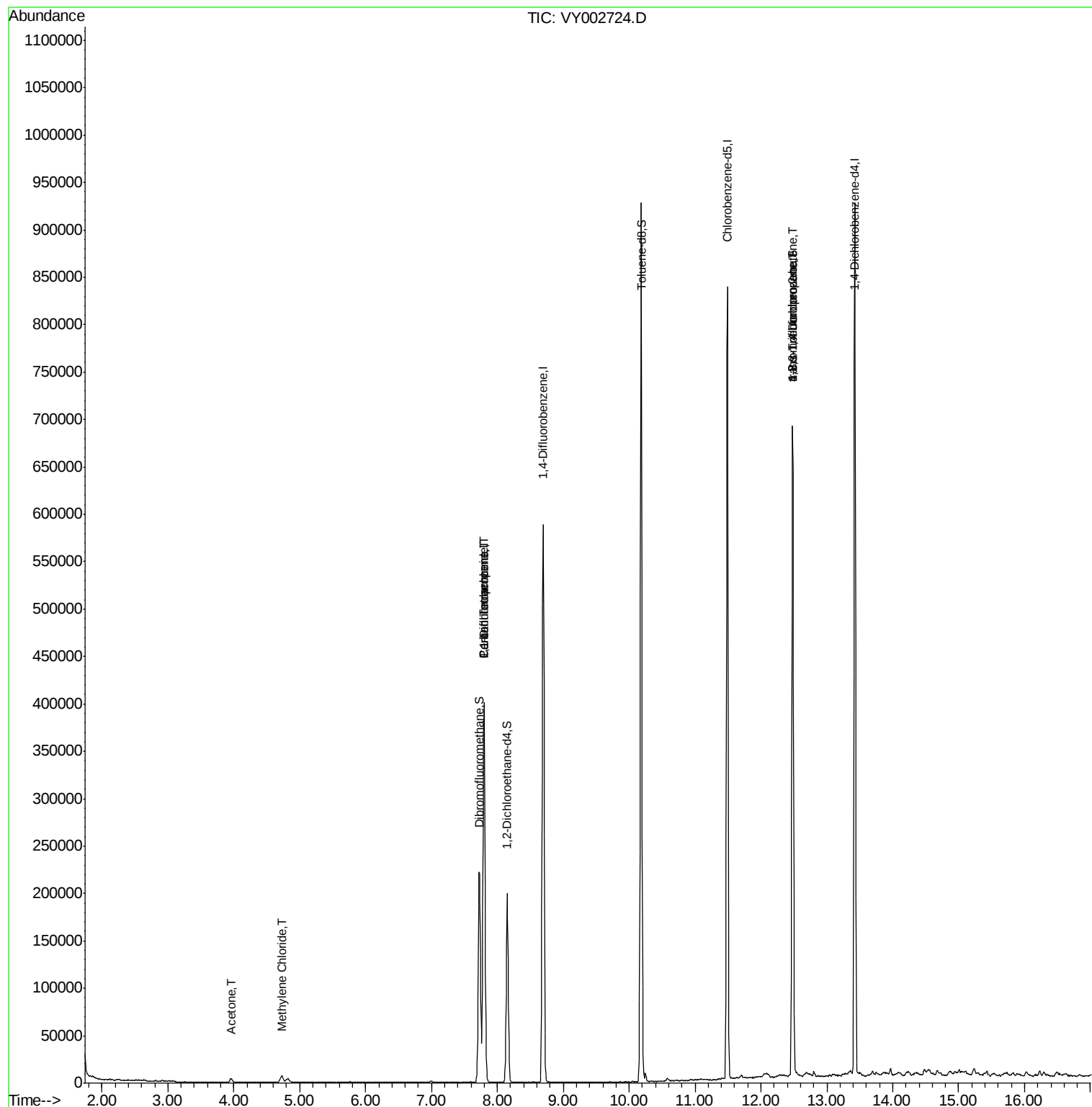
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	6558	11.825	ug/l	92
20) Methylene Chloride	4.73	84	5961	1.778	ug/l	92
36) 1,1-Dichloropropene	7.80	75	20505	4.492	ug/l #	48
38) Carbon Tetrachloride	7.80	117	29997	6.115	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	101354	49.839	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	101354	94.256	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.00	180	1020	Below Cal		90
94) Hexachlorobutadiene	15.11	225	251	Below Cal		89
96) 1,2,3-Trichlorobenzene	15.42	180	1323	Below Cal		93

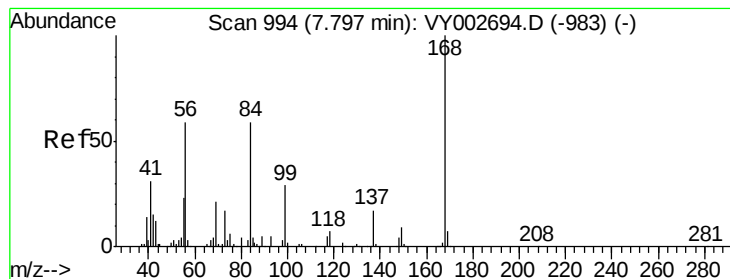
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

Instrument :

MSVOA_Y

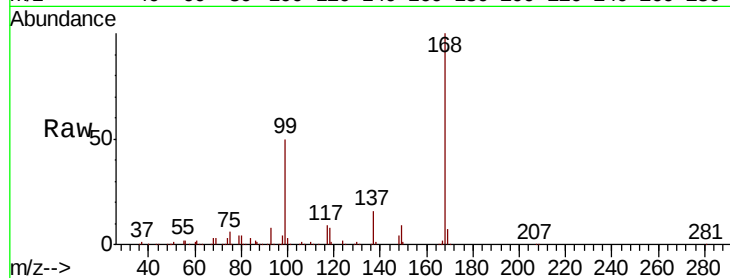
ClientSampleId :

Tot Ion:168 Resp: 343935

Ion Ratio Lower Upper

168 100

99 50.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002724.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002724.D (-945) (-)

7.80

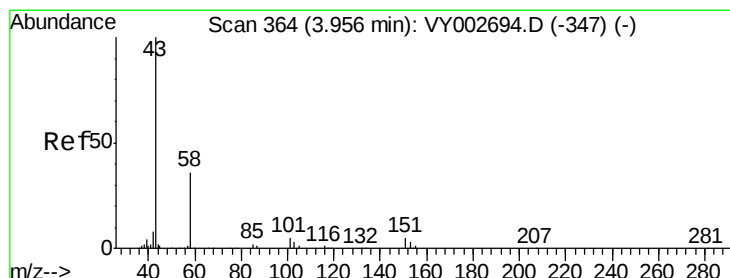
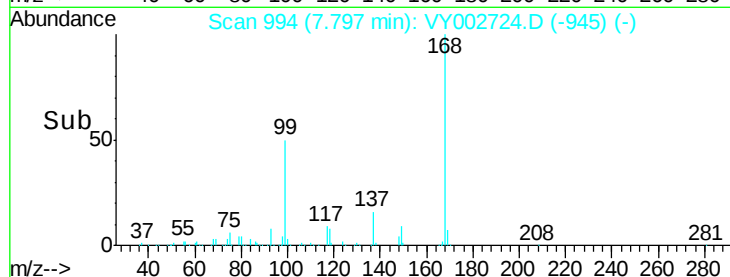
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.825 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002724.D

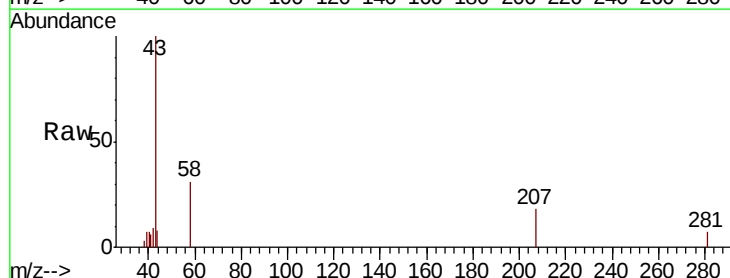
Acq: 20 May 2020 12:22

Tgt Ion: 43 Resp: 6558

Ion Ratio Lower Upper

43 100

58 31.4 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY002724.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002724.D (-315) (-)

3.96

2500

2000

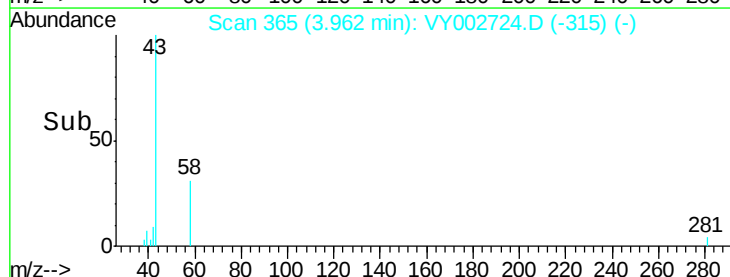
1500

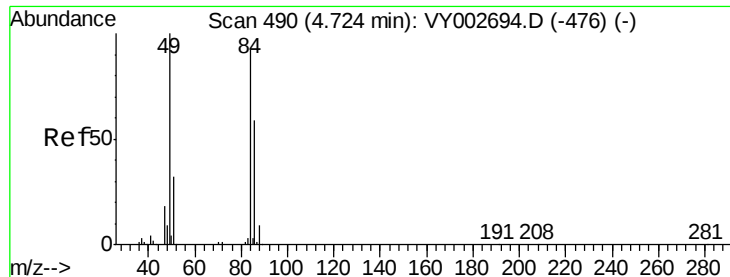
1000

500

0

Time-->

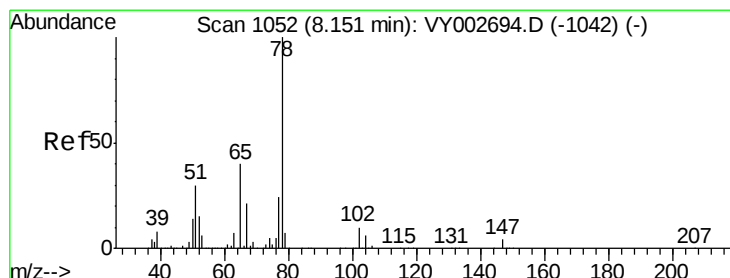
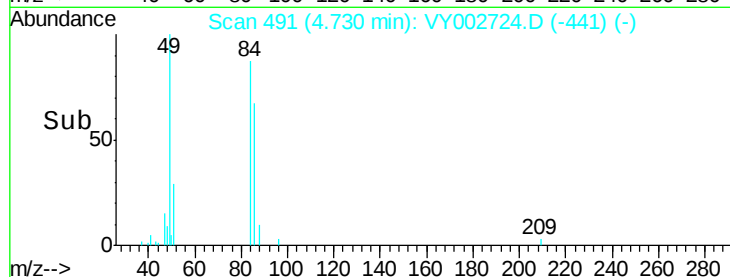
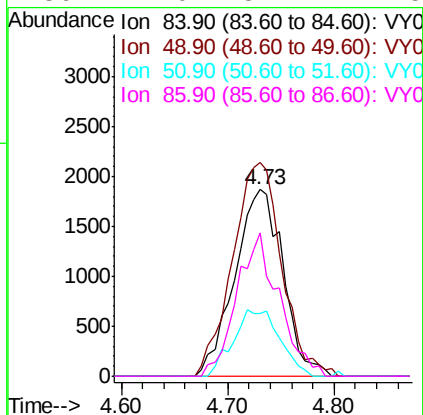
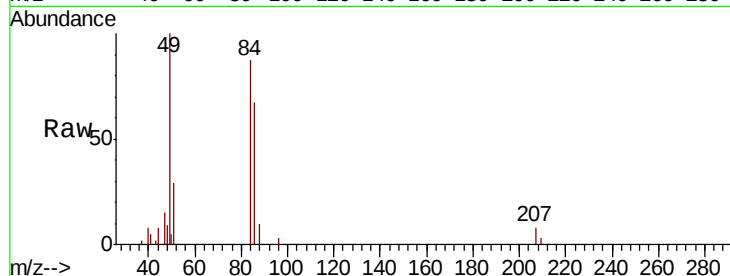




#20
Methvlene Chloride
Concen: 1.778 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002724.D
Acq: 20 May 2020 12:22

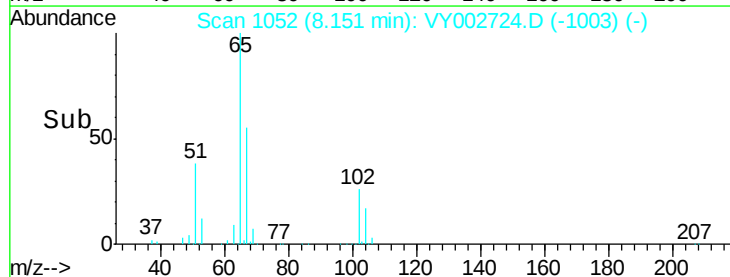
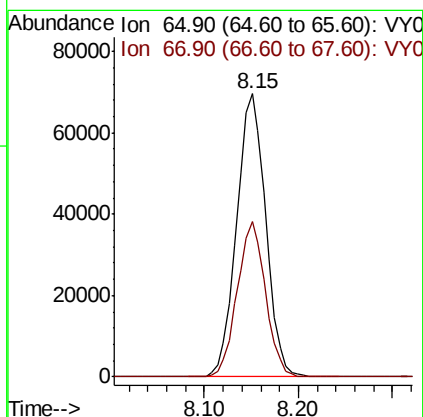
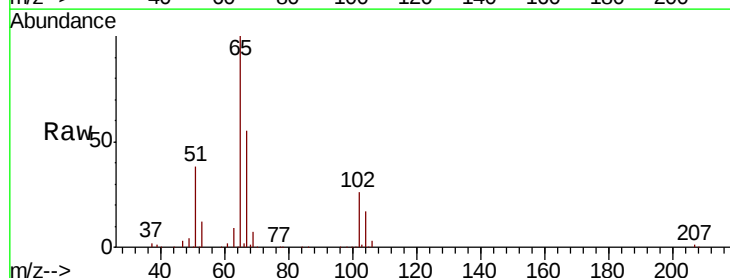
Instrument :
MSVOA_Y
ClientSampleId :

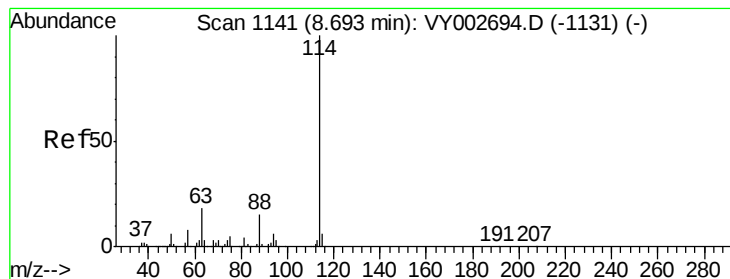
Tot Ion:	84	Resp:	5961
Ion	Ratio	Lower	Upper
84	100		
49	114.4	87.4	131.0
51	33.5	27.9	41.9
86	77.0	51.7	77.5



#33
1,2-Dichloroethane-d4
Concen: 55.720 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY002724.D
Acq: 20 May 2020 12:22

Tgt Ion:	65	Resp:	149903
Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

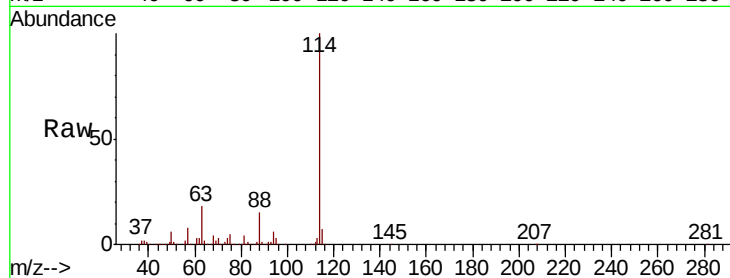
Tot Ion:114 Resp: 539171

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

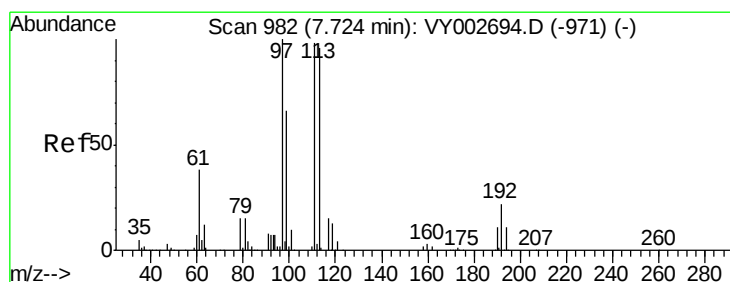
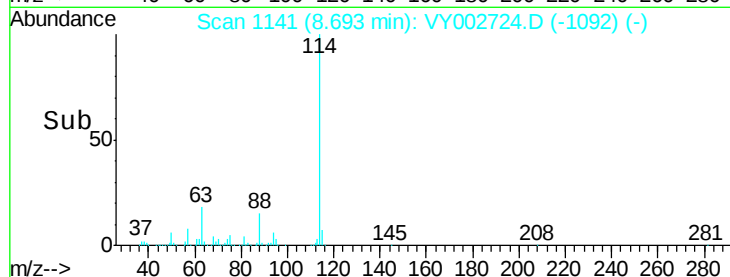
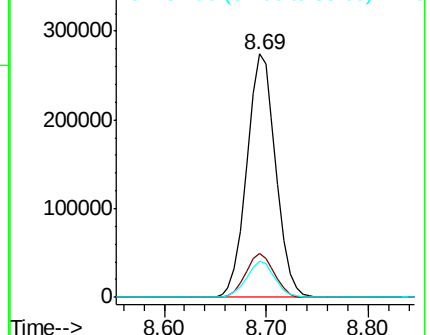
88 14.9 0.0 29.4



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: 53.599 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

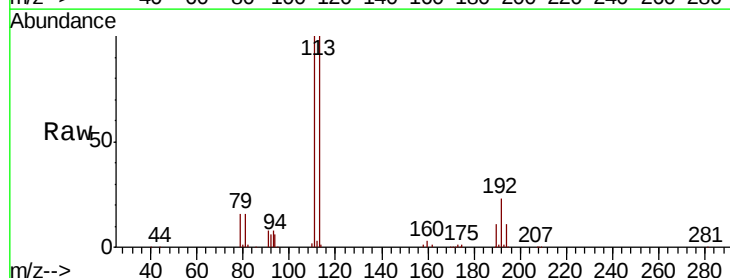
Tgt Ion:113 Resp: 159488

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

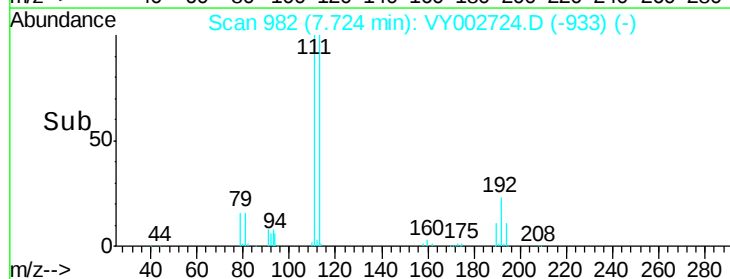
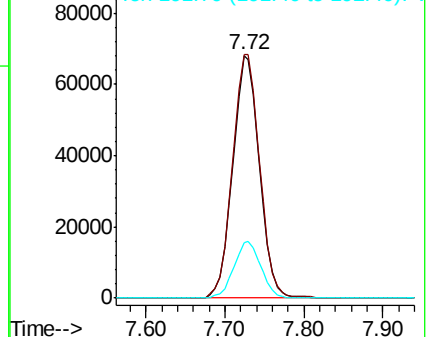
192 23.7 18.6 27.8

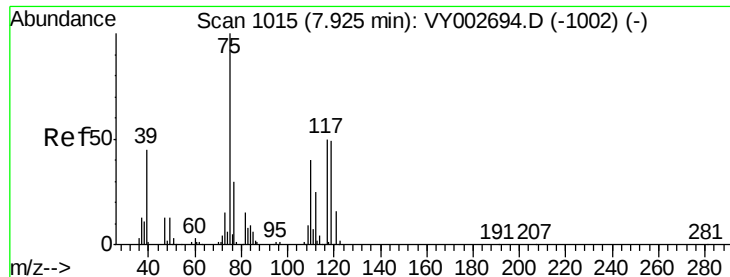


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

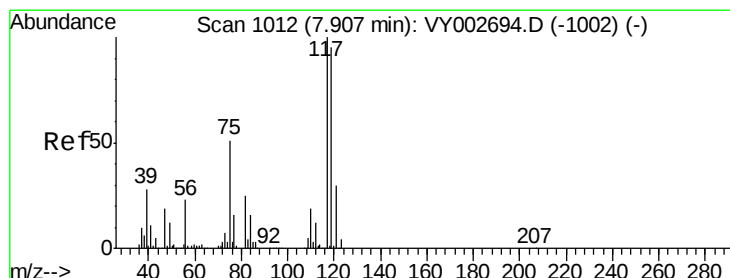
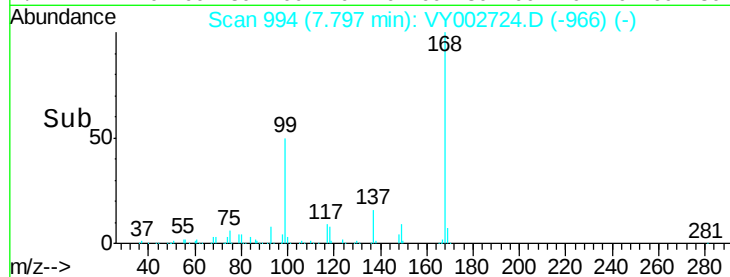
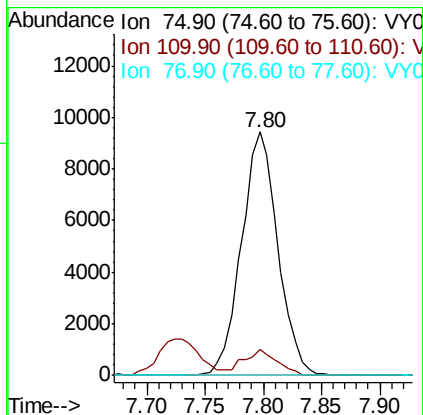
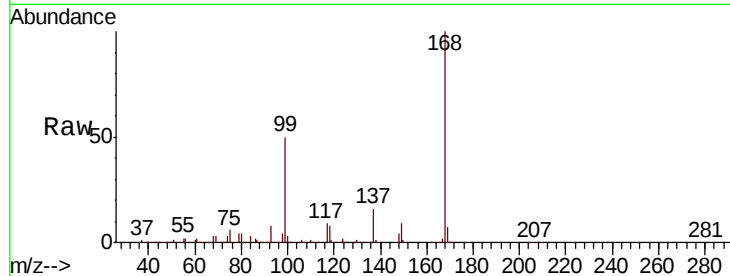




#36
 1,1-Dichloropropene
 Concen: 4.492 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002724.D
 Acq: 20 May 2020 12:22

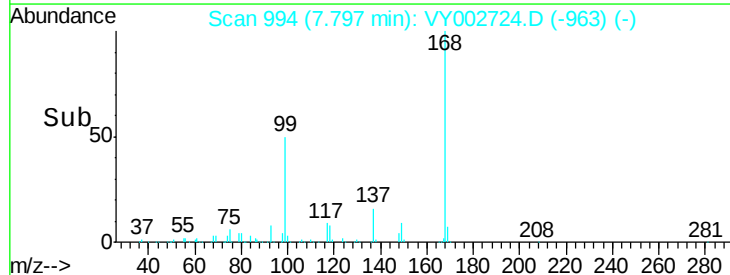
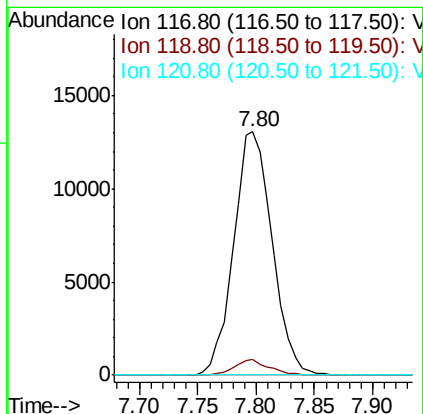
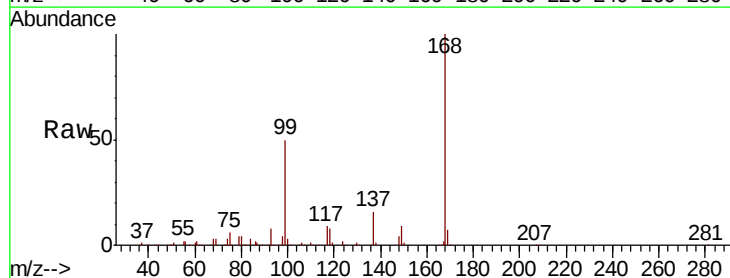
Instrument :
 MSVOA_Y
 ClientSampleId :

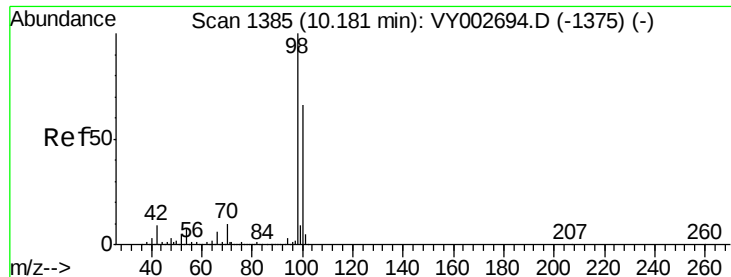
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.115 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002724.D
 Acq: 20 May 2020 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.3	114.5#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 52.383 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

Instrument :

MSVOA_Y

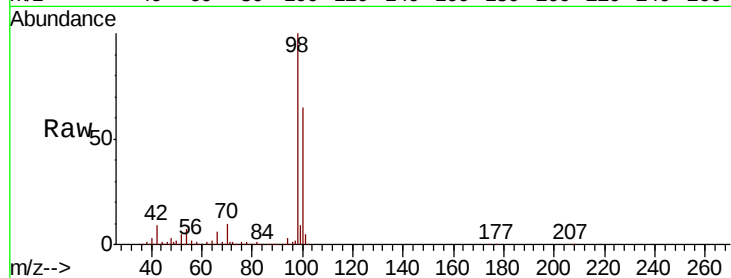
ClientSampleId :

Tot Ion: 98 Resp: 627543

Ion Ratio Lower Upper

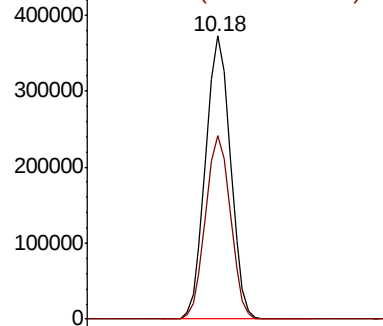
98 100

100 65.1 52.3 78.5

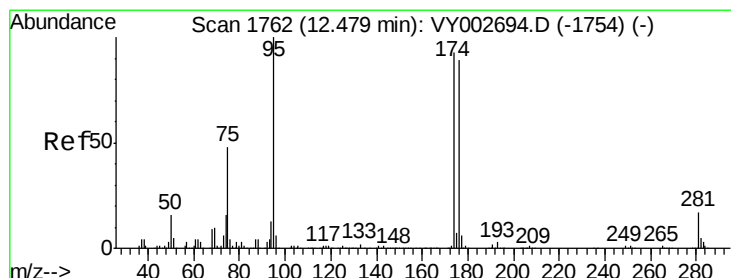
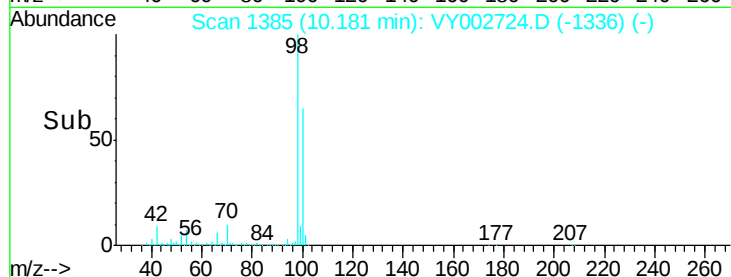


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 51.500 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

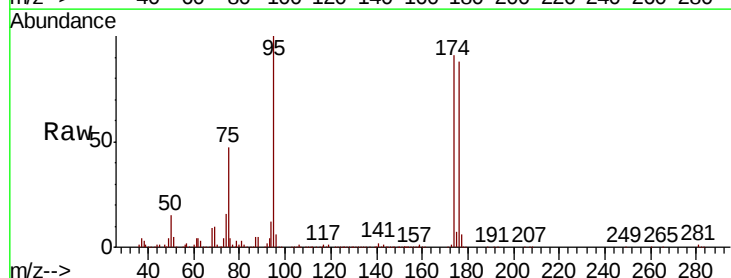
Tgt Ion: 95 Resp: 212052

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.4

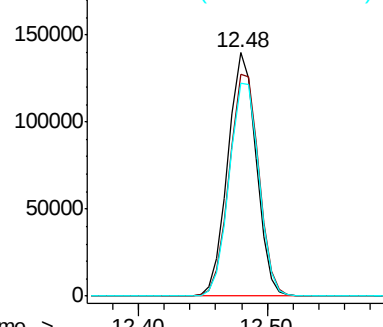
176 91.6 0.0 186.0



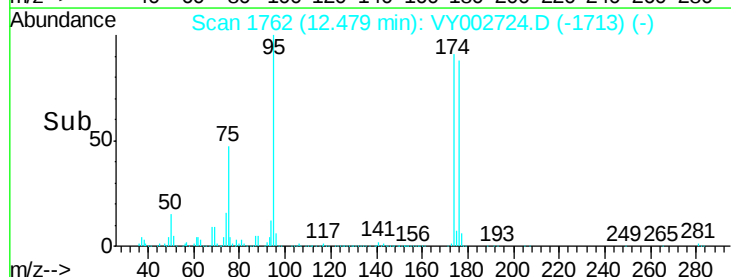
Abundance Ion 94.90 (94.60 to 95.60): VY0

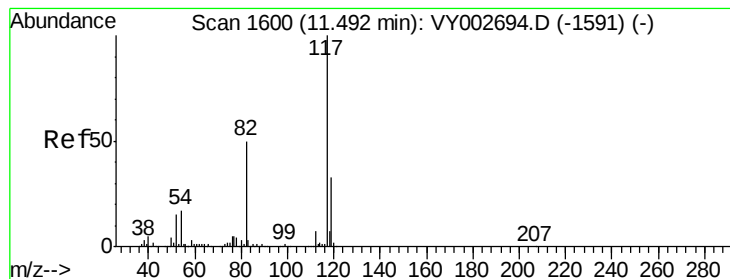
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

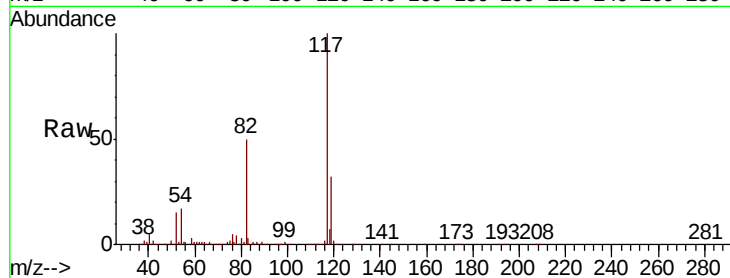
Tot Ion:117 Resp: 491281

Ion Ratio Lower Upper

117 100

82 50.3 40.3 60.5

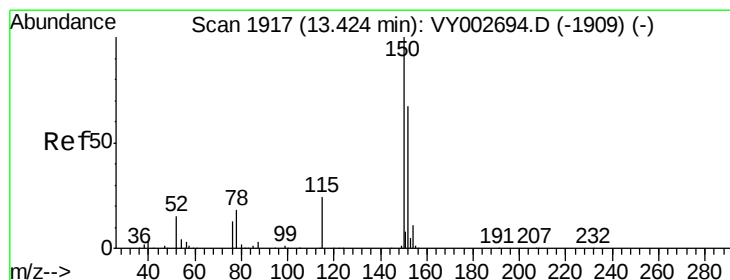
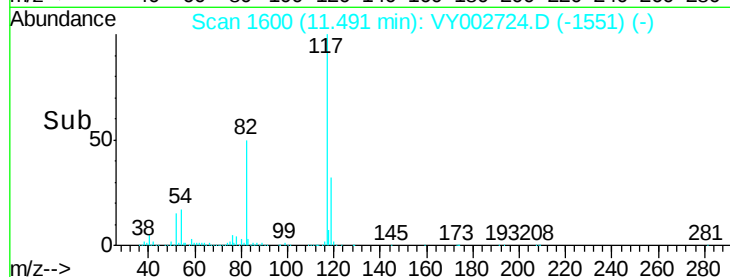
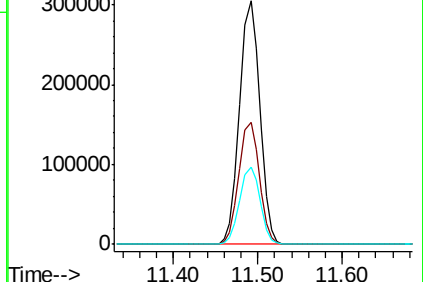
119 31.8 26.2 39.4



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: VY002724.D

Acq: 20 May 2020 12:22

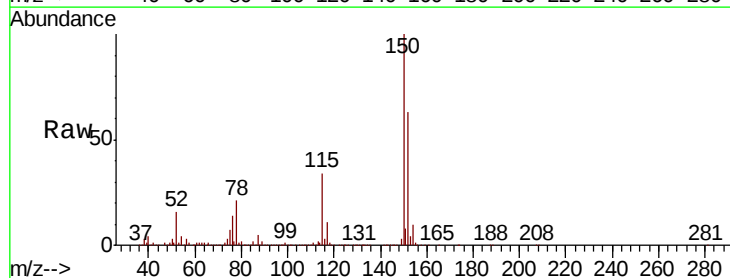
Tgt Ion:152 Resp: 247561

Ion Ratio Lower Upper

152 100

115 54.8 27.2 81.6

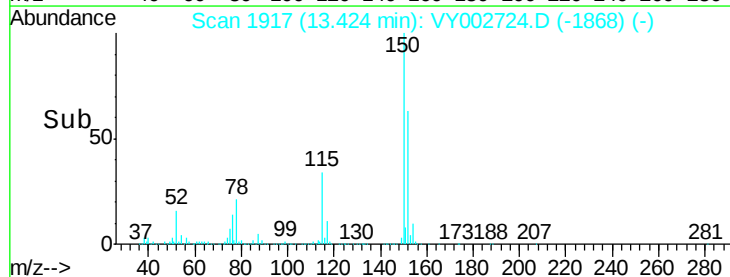
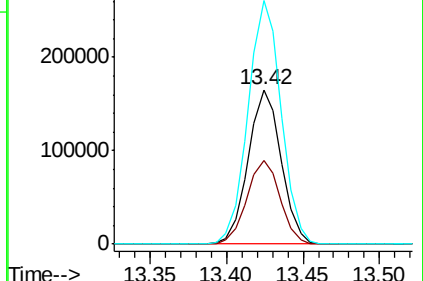
150 158.5 0.0 343.8

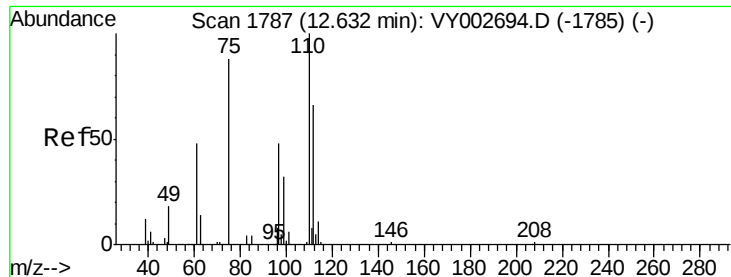


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 49.839 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

Instrument :

MSVOA_Y

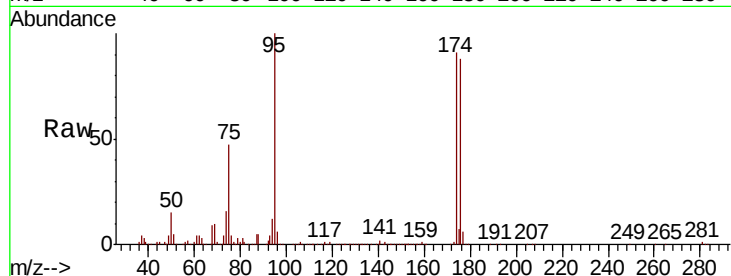
ClientSampleId :

Tot Ion: 75 Resp: 101354

Ion Ratio Lower Upper

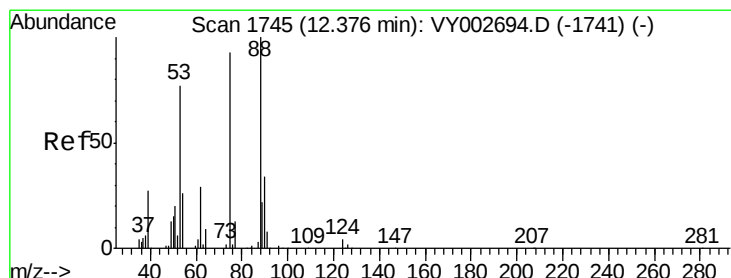
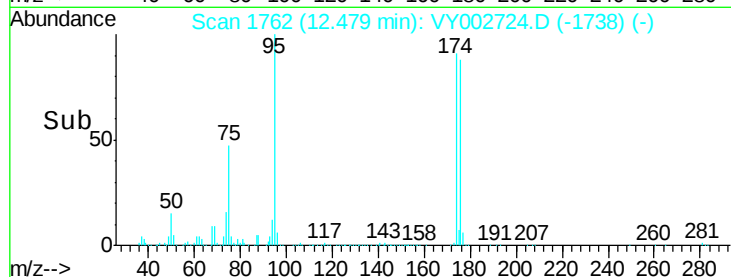
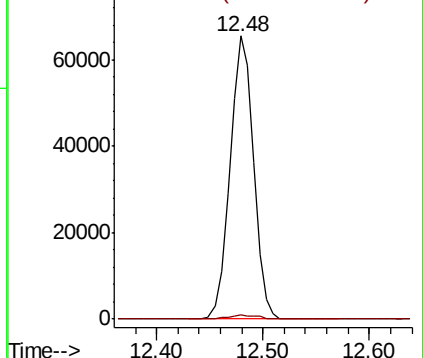
75 100

77 2.1 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: 94.256 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002724.D

Acq: 20 May 2020 12:22

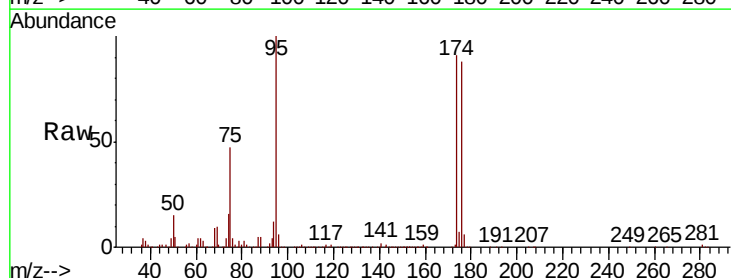
Tgt Ion: 75 Resp: 101354

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

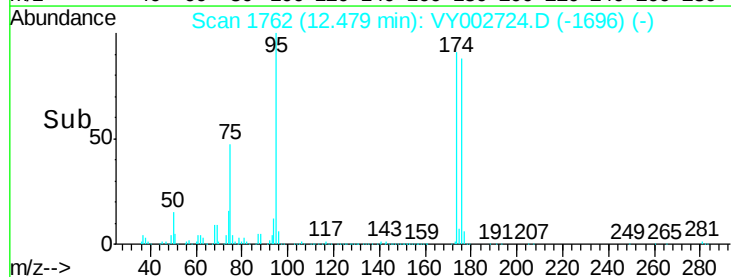
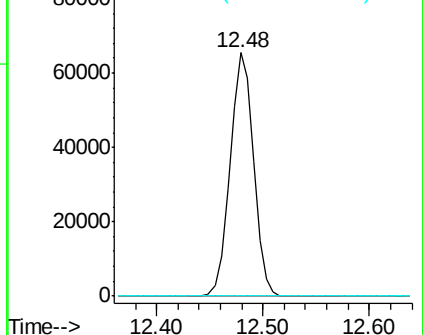
89 0.0 66.6 99.8#

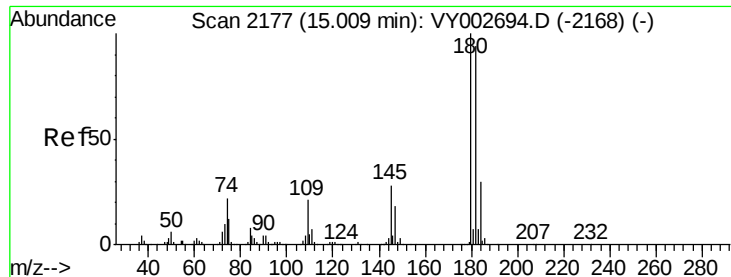


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

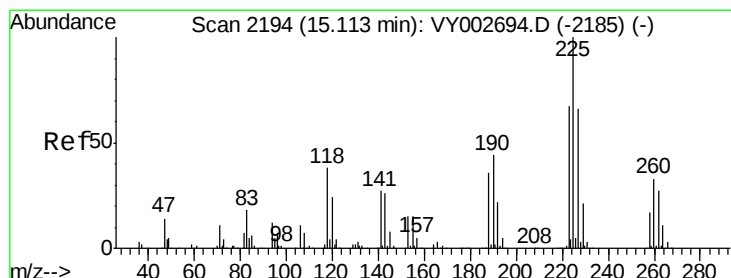
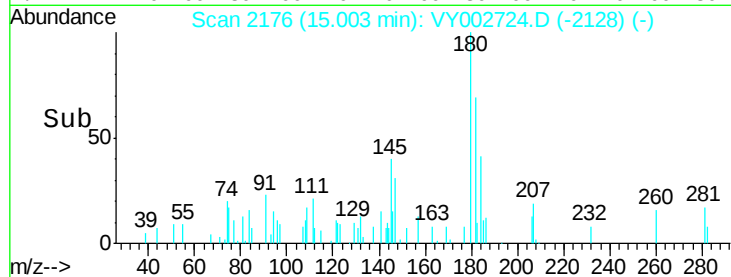
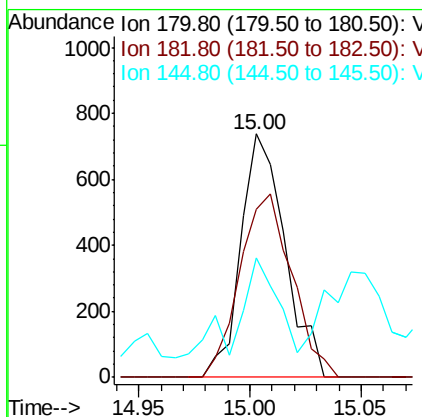
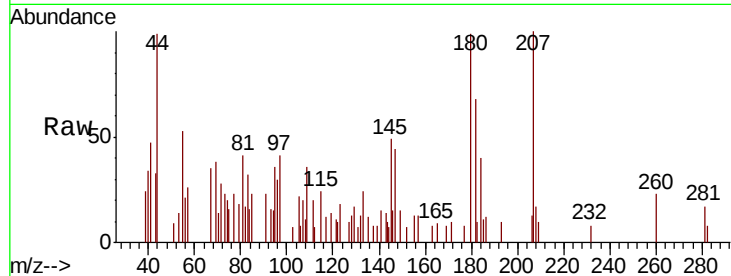




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002724.D
 Acq: 20 May 2020 12:22

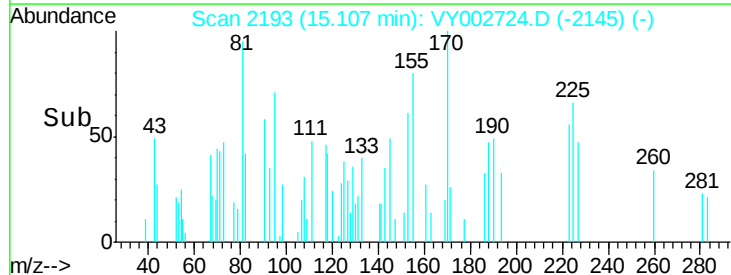
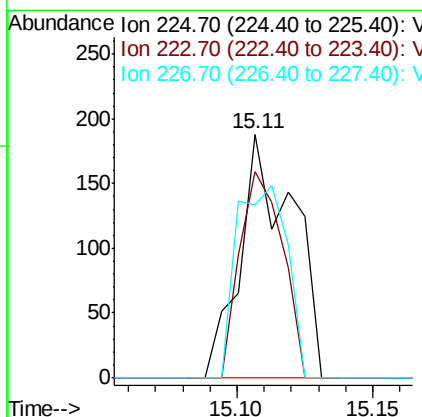
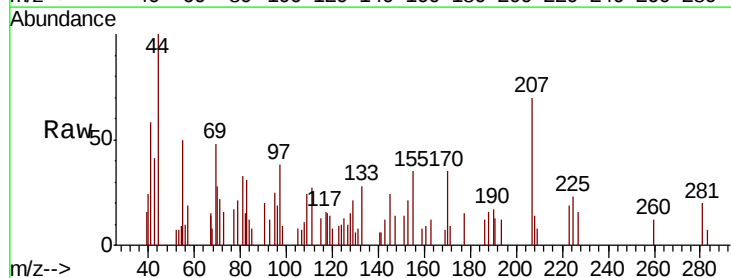
Instrument :
 MSVOA_Y
 ClientSampled :

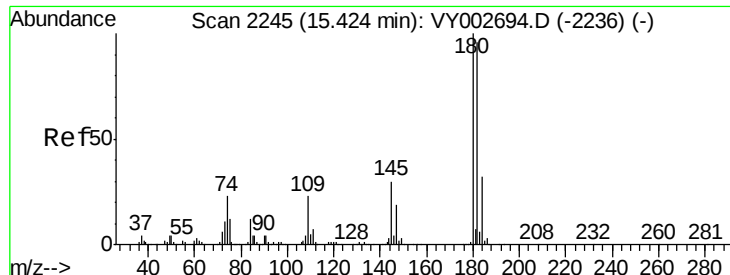
Tot Ion:180 Resp: 1020
 Ion Ratio Lower Upper
 180 100
 182 88.6 47.3 142.0
 145 40.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY002724.D
 Acq: 20 May 2020 12:22

Tgt Ion:225 Resp: 251
 Ion Ratio Lower Upper
 225 100
 223 68.9 31.6 94.8
 227 75.7 32.2 96.6





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: VY002724.D
 Acq: 20 May 2020 12:22

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.9
145	44.8	15.1	45.3

