

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052220\NOT REVIEWED DATA\
 Data File : VY002752.D
 Acq On : 22 May 2020 14:11
 Operator : SY/MD
 Sample : L2748-01
 Misc : 8.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 22 19:57:19 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	325295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	453403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195764	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	141022	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
35) Dibromofluoromethane	7.72	113	144124	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
50) Toluene-d8	10.18	98	602706	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	
62) 4-Bromofluorobenzene	12.48	95	186432	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

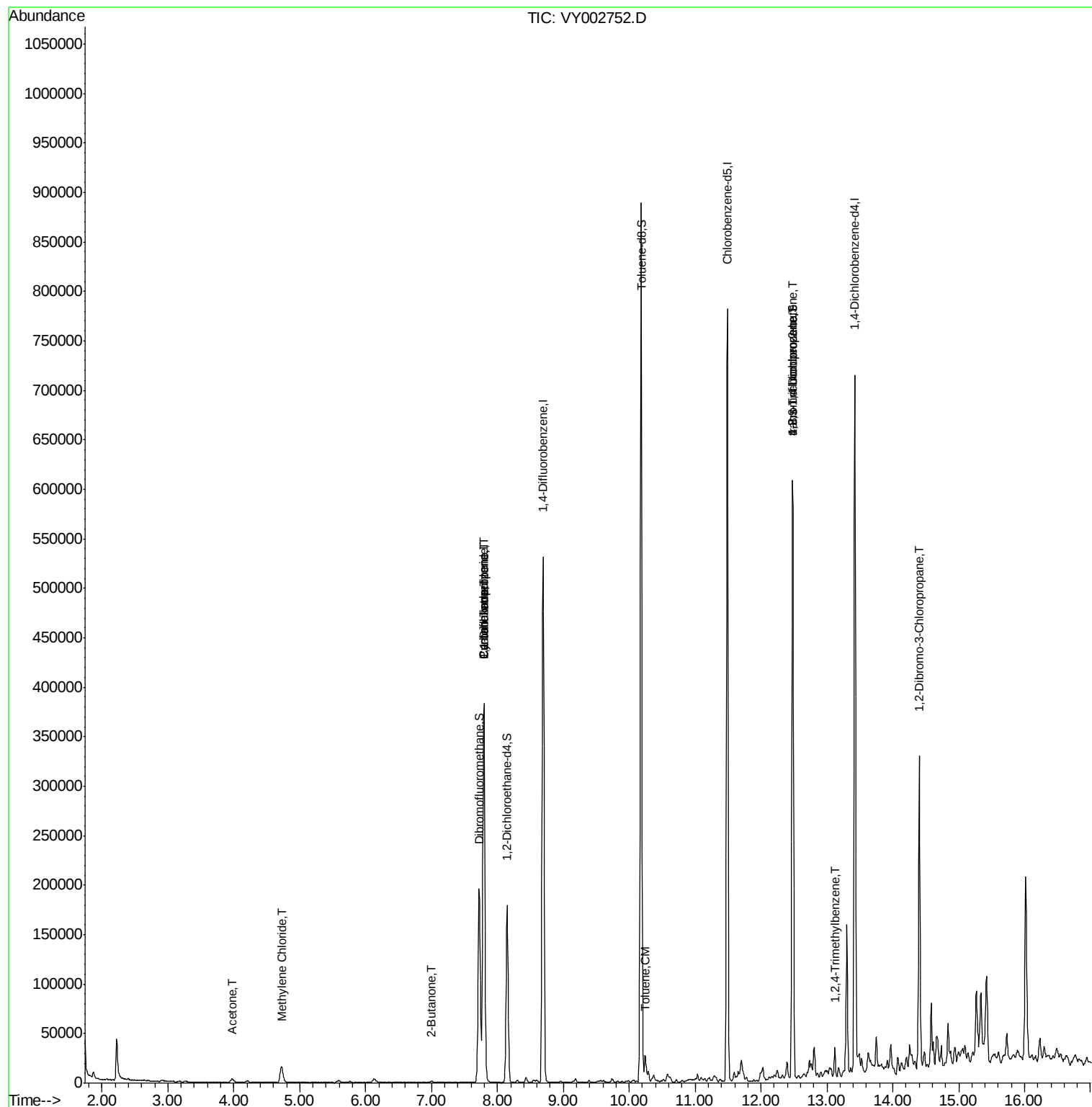
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	7681	14.643	ug/l	98
20) Methylene Chloride	4.72	84	13346	4.209	ug/l	97
25) 2-Butanone	7.01	43	2199	2.534	ug/l #	77
31) Cyclohexane	7.79	56	5236	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19708	4.823	ug/l #	47
38) Carbon Tetrachloride	7.80	117	29368	6.687	ug/l #	16
52) Toluene	10.25	92	10208	1.323	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	88654	55.128	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88654	104.259	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.12	105	15109	1.407	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.40	75	878	2.431	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.01	180	846	Below Cal	#	1
94) Hexachlorobutadiene	15.12	225	235	Below Cal		87
96) 1,2,3-Trichlorobenzene	15.42	180	1885	Below Cal	#	40

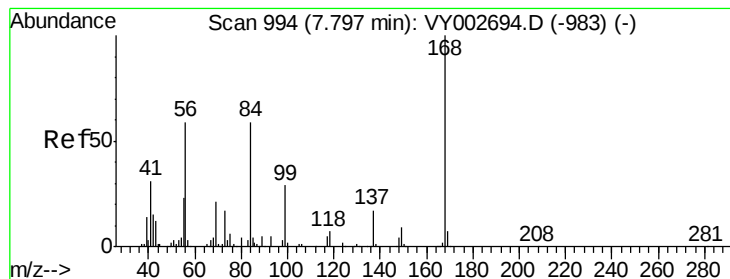
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 16 04:52:36 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

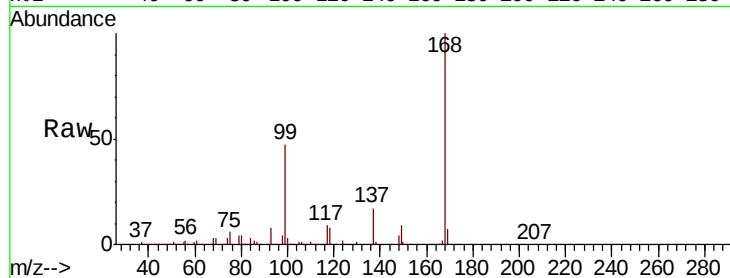
ClientSampleId :

Tot Ion:168 Resp: 325295

Ion Ratio Lower Upper

168 100

99 46.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002752.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002752.D (-945) (-)

7.80

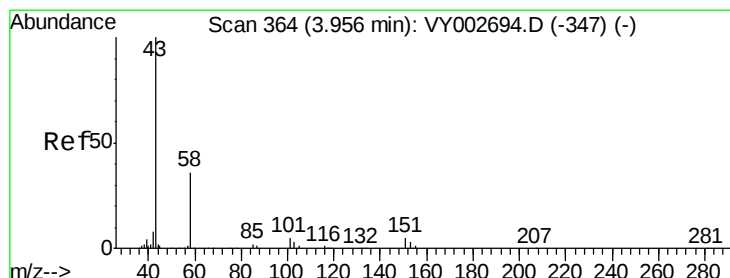
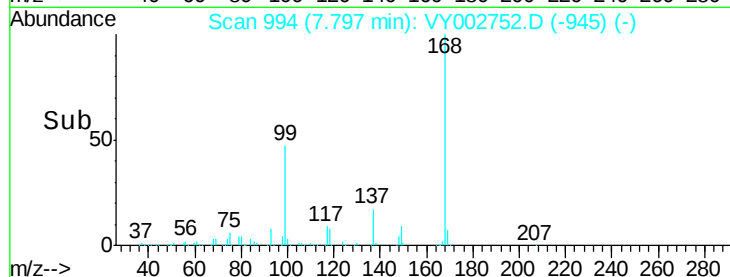
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 14.643 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002752.D

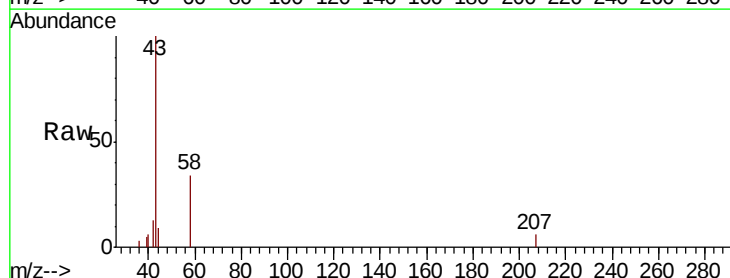
Acq: 22 May 2020 14:11

Tgt Ion: 43 Resp: 7681

Ion Ratio Lower Upper

43 100

58 34.4 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY002752.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002752.D (-315) (-)

3.97

2500

2000

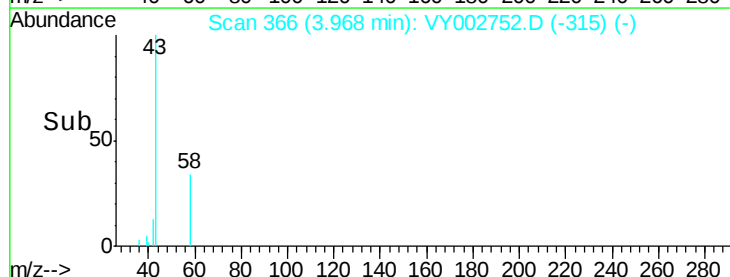
1500

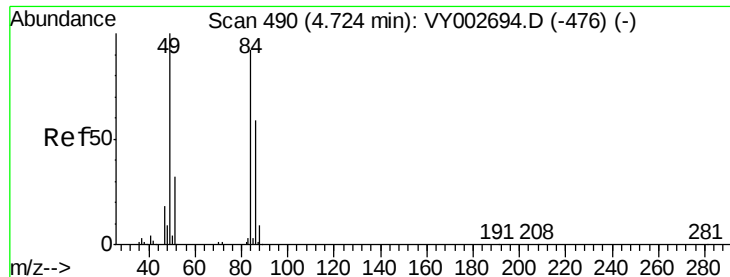
1000

500

0

Time-->

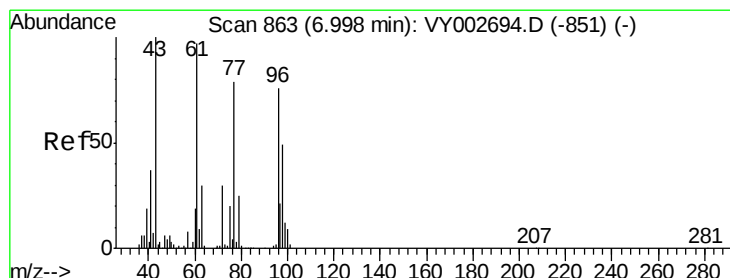
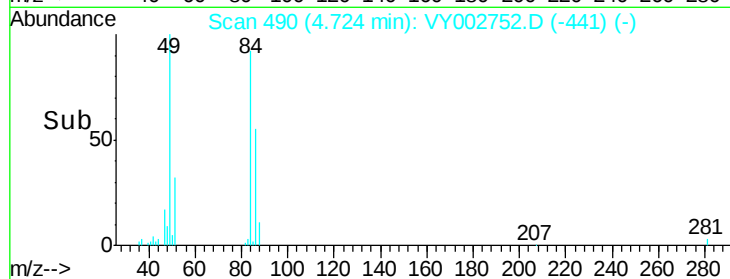
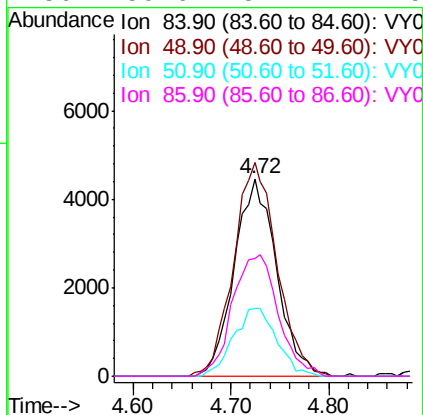
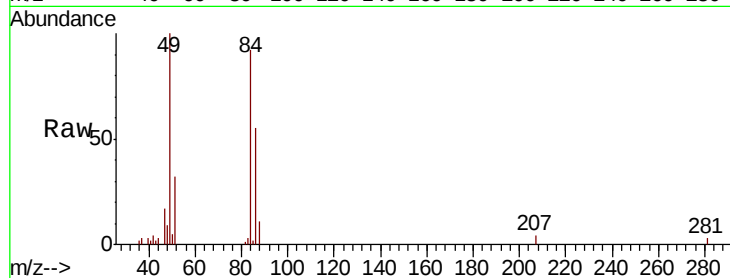




#20
Methvlene Chloride
Concen: 4.209 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002752.D
Acq: 22 May 2020 14:11

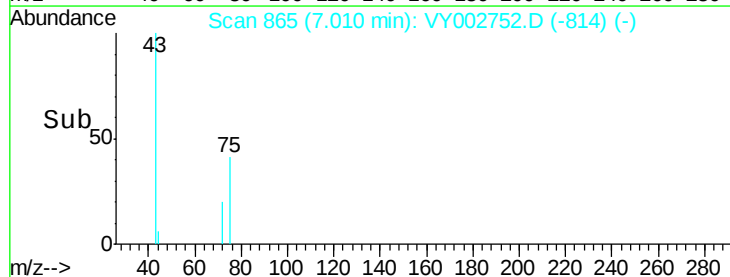
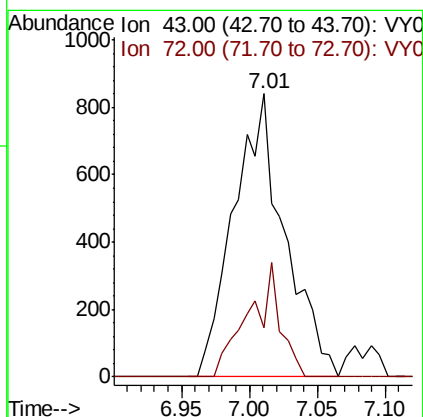
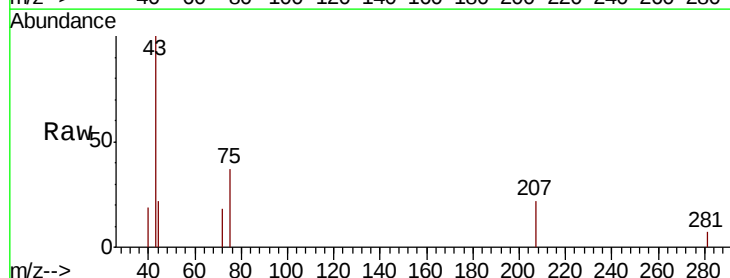
Instrument :
MSVOA_Y
ClientSampleId :

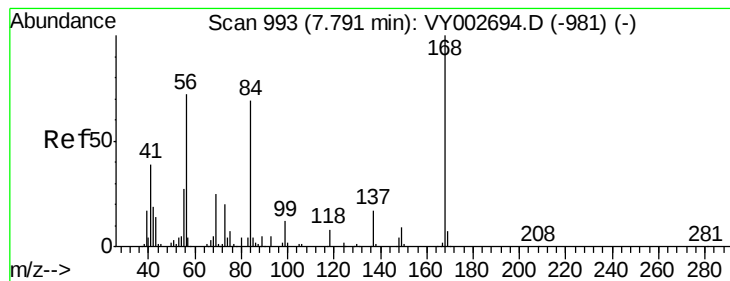
Tot Ion:	84	Resp:	13346
Ion	Ratio	Lower	Upper
84	100		
49	108.1	87.4	131.0
51	34.6	27.9	41.9
86	59.6	51.7	77.5



#25
2-Butanone
Concen: 2.534 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002752.D
Acq: 22 May 2020 14:11

Tgt Ion:	43	Resp:	2199
Ion	Ratio	Lower	Upper
43	100		
72	17.5	24.1	36.1#





#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

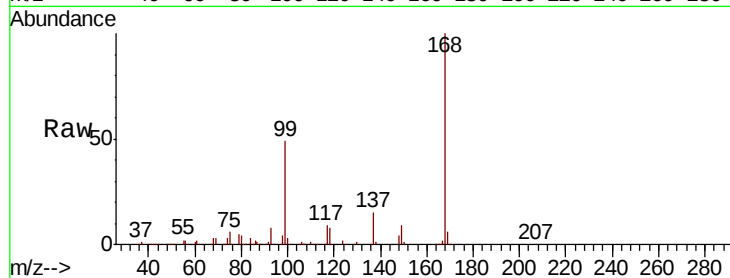
Tot Ion: 56 Resp: 5236

Ion Ratio Lower Upper

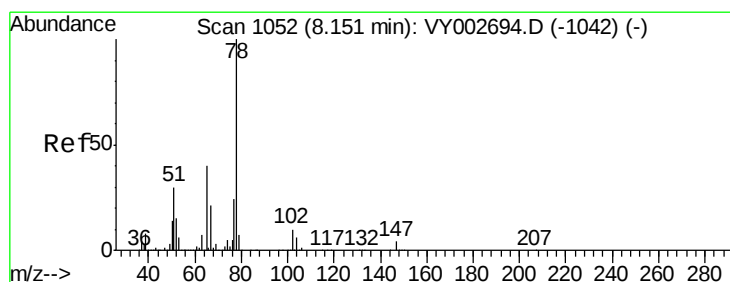
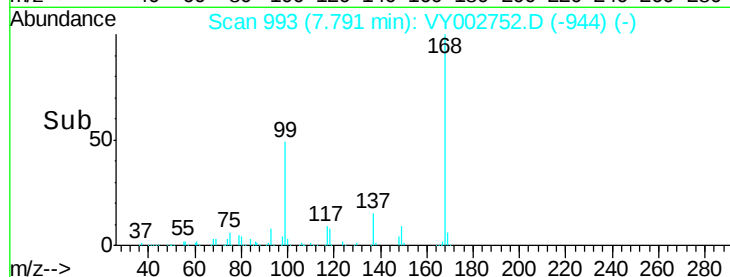
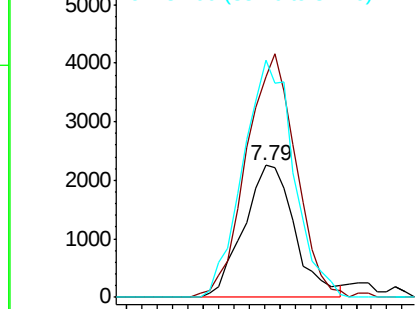
56 100

69 167.4 27.7 41.5#

84 179.4 77.0 115.4#



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: 55.423 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002752.D

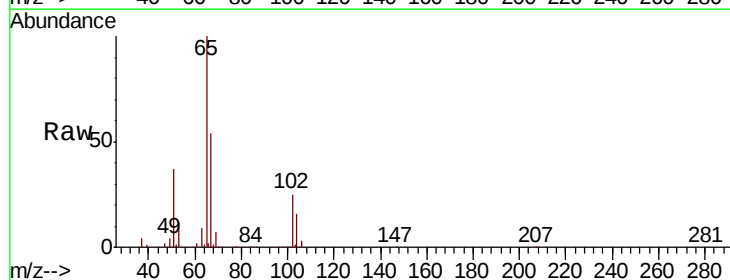
Acq: 22 May 2020 14:11

Tgt Ion: 65 Resp: 141022

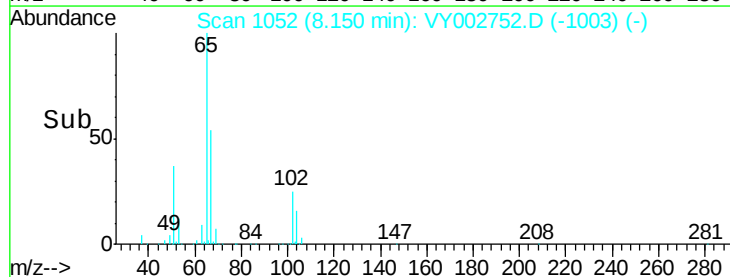
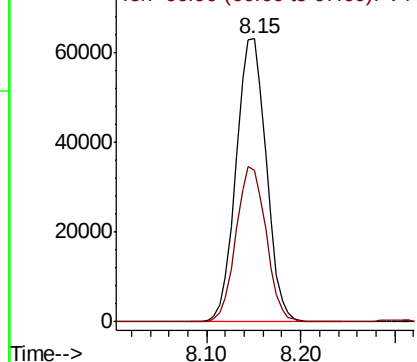
Ion Ratio Lower Upper

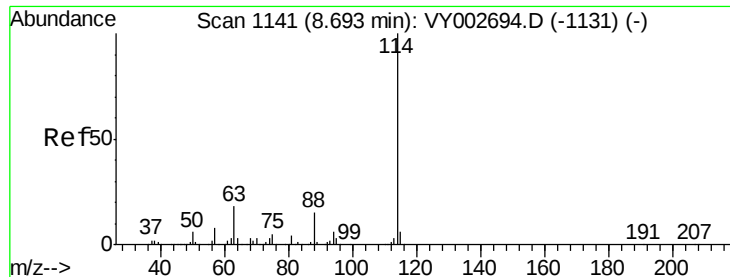
65 100

67 54.6 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: VY002752.D

Acq: 22 May 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :

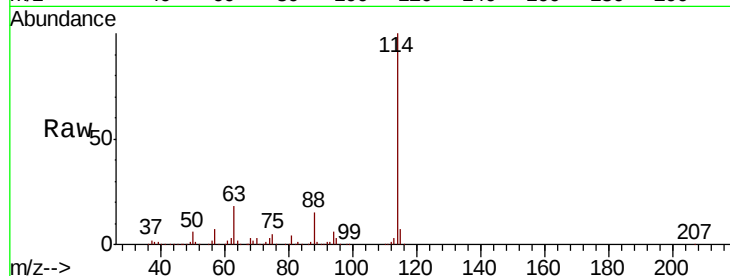
Tot Ion:114 Resp: 482726

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

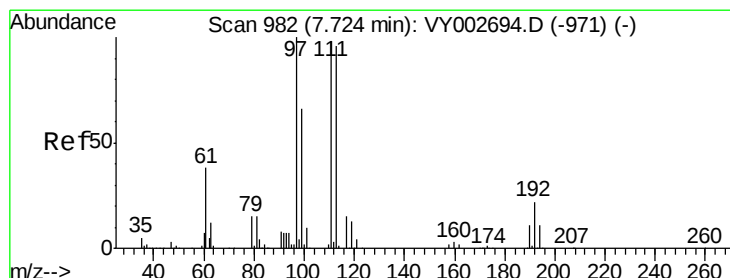
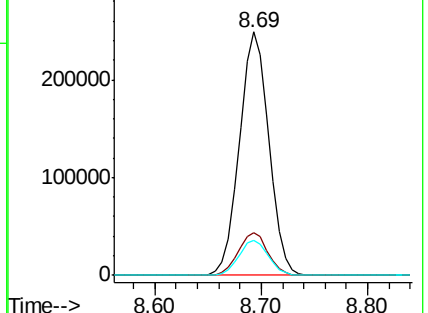
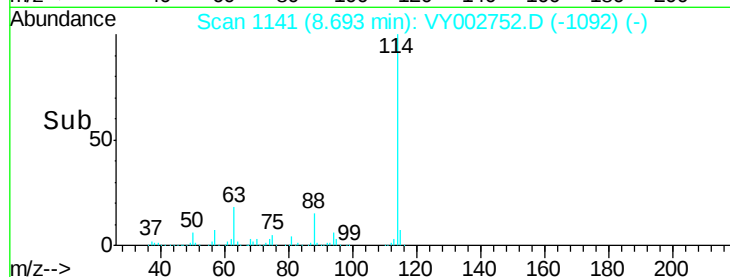
88 14.5 0.0 29.4



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: 54.100 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

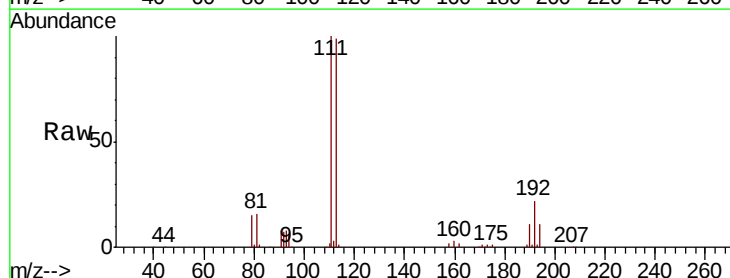
Tgt Ion:113 Resp: 144124

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

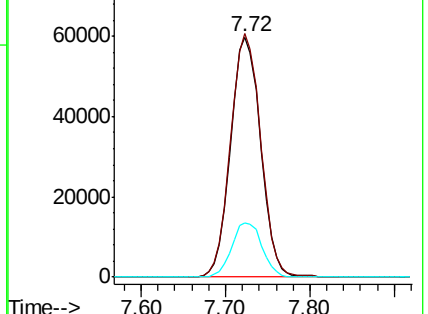
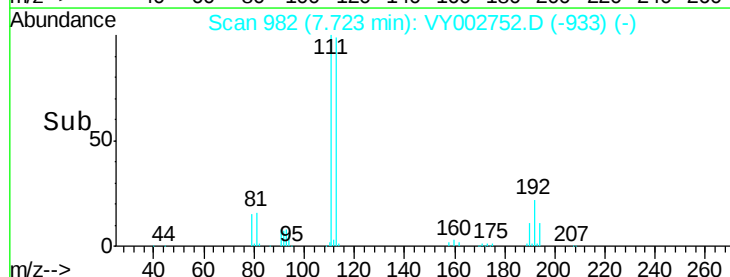
192 23.0 18.6 27.8

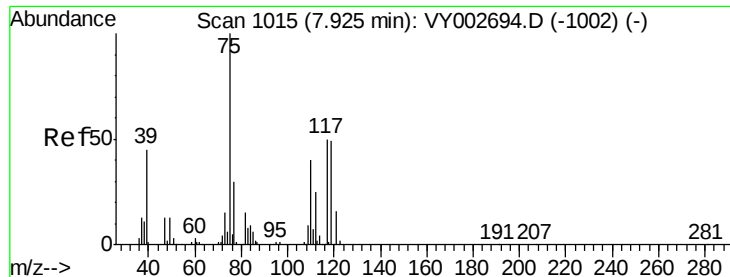


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

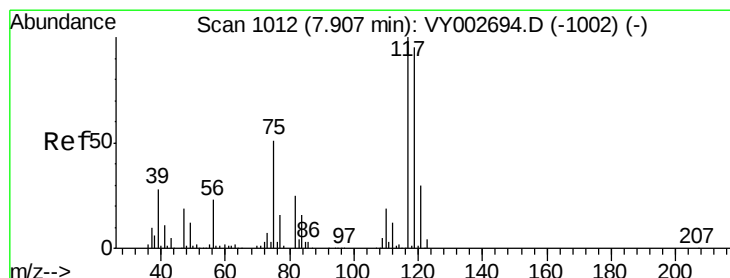
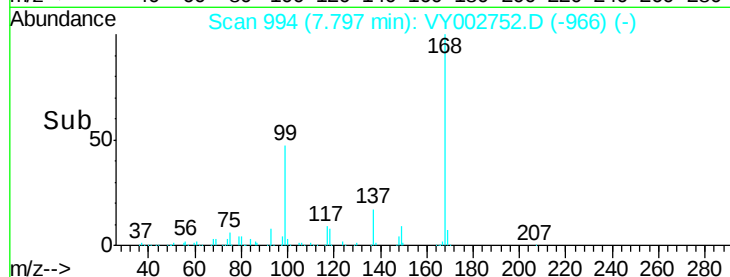
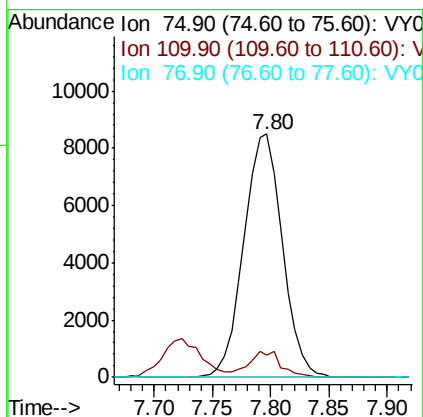
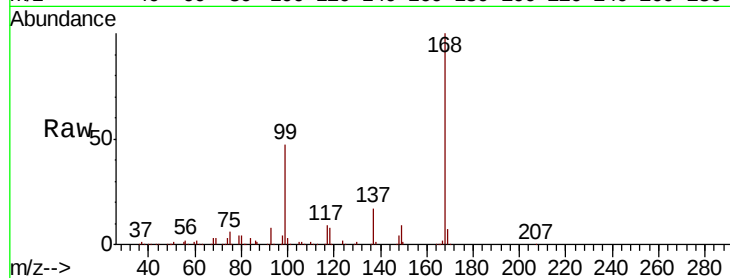




#36
 1,1-Dichloropropene
 Concen: 4.823 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002752.D
 Acq: 22 May 2020 14:11

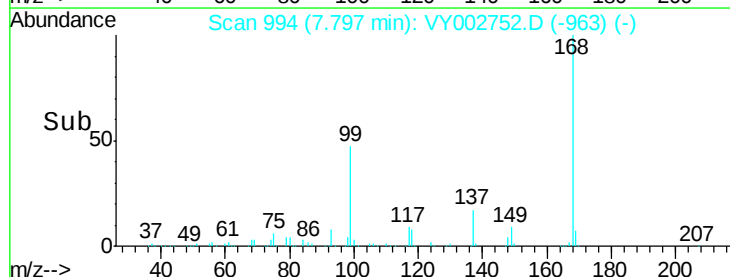
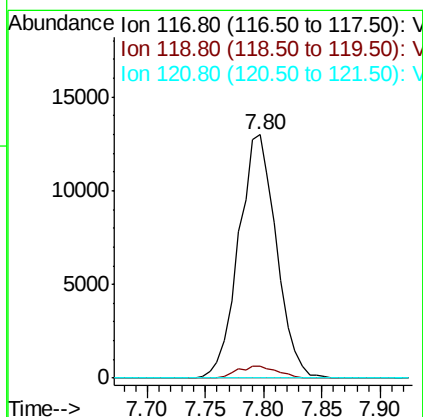
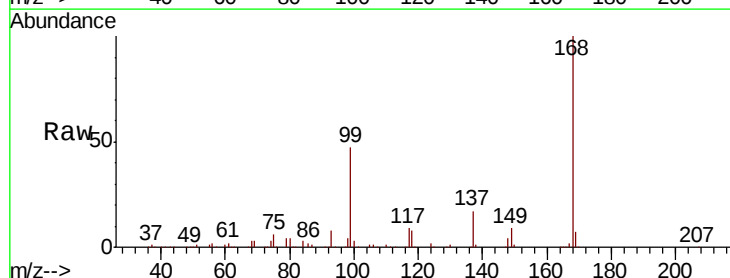
Instrument :
 MSVOA_Y
 ClientSampled :

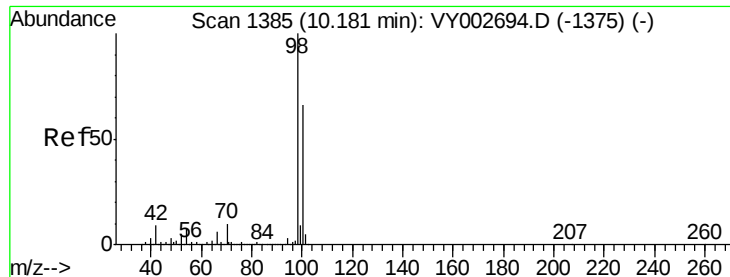
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.687 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002752.D
 Acq: 22 May 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.3	114.5#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 56.193 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

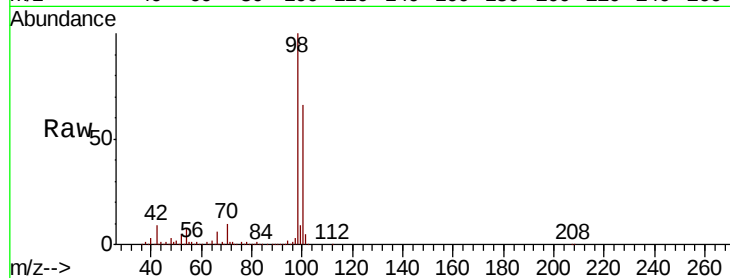
ClientSampleId :

Tot Ion: 98 Resp: 602706

Ion Ratio Lower Upper

98 100

100 65.2 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

400000

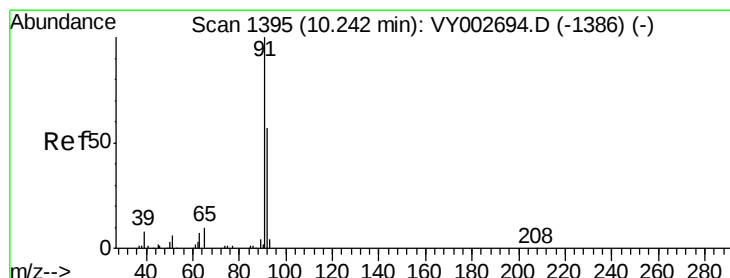
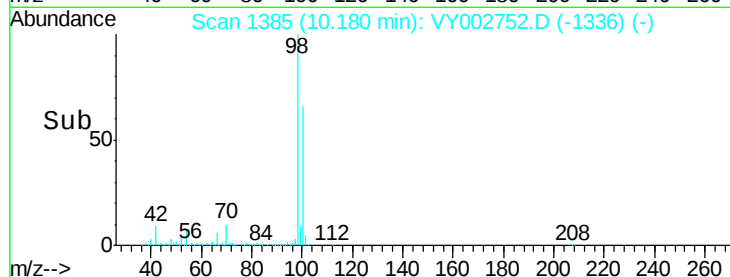
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 1.323 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002752.D

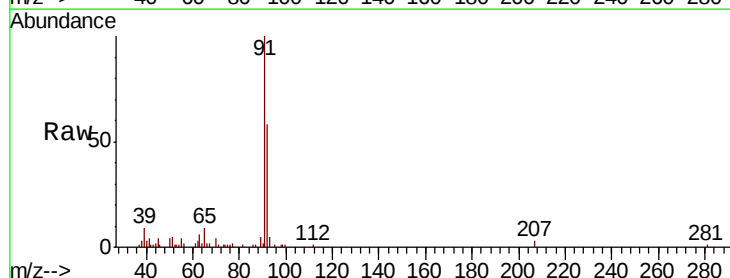
Acq: 22 May 2020 14:11

Tgt Ion: 92 Resp: 10208

Ion Ratio Lower Upper

92 100

91 177.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

12000

10000

8000

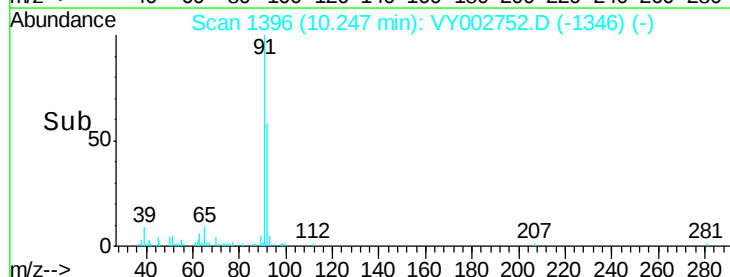
6000

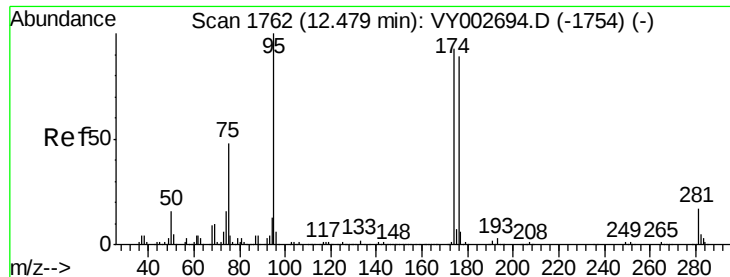
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 50.572 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

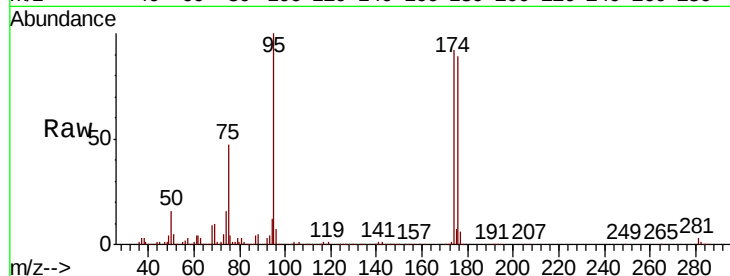
Tot Ion: 95 Resp: 186432

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.4

176 92.2 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002694.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002694.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002694.D (-1754) (-)

12.48

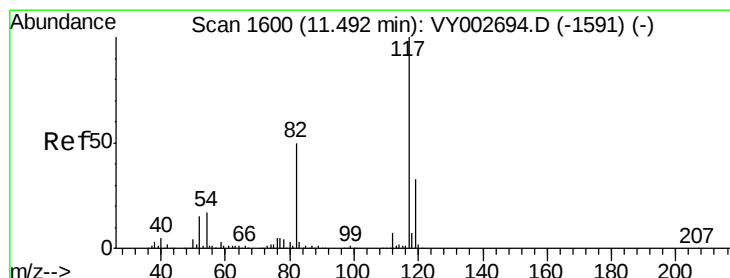
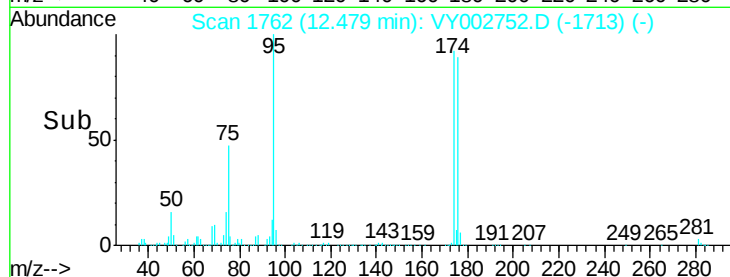
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

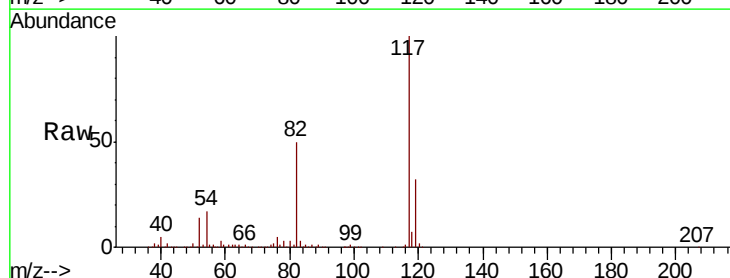
Tgt Ion: 117 Resp: 453403

Ion Ratio Lower Upper

117 100

82 50.3 40.3 60.5

119 32.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VY002694.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY002694.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY002694.D (-1591) (-)

11.49

400000

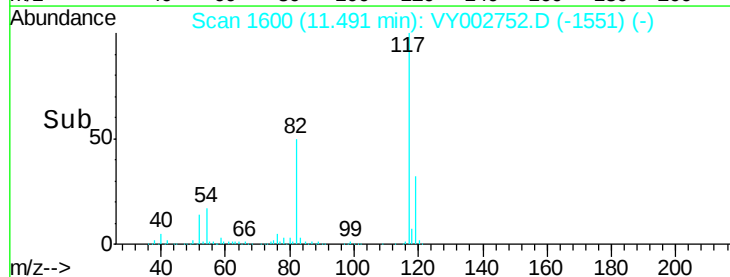
300000

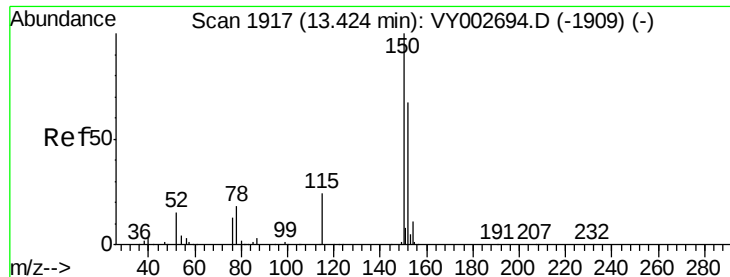
200000

100000

0

Time--> 11.40 11.50 11.60



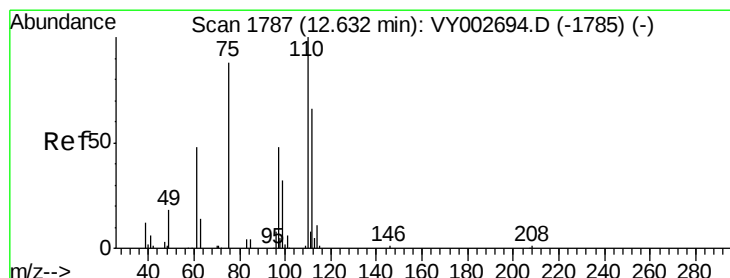
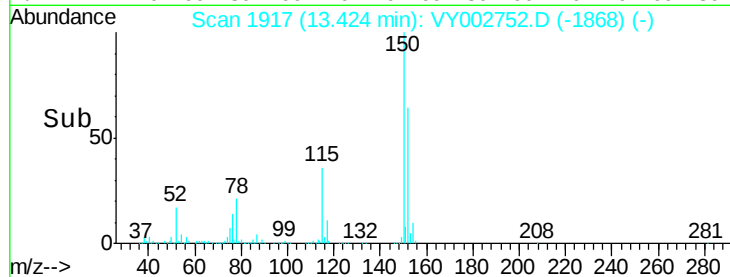
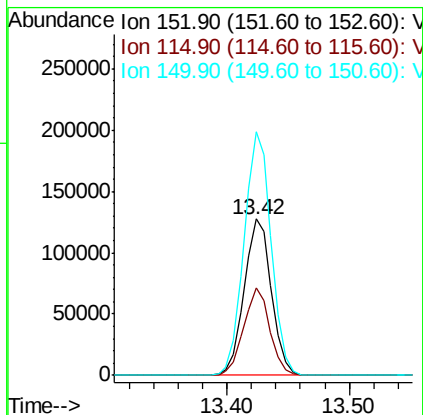
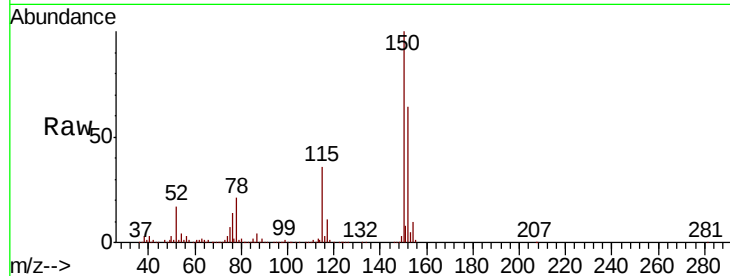


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002752.D
Acq: 22 May 2020 14:11

Instrument :
MSVOA_Y
ClientSampled :

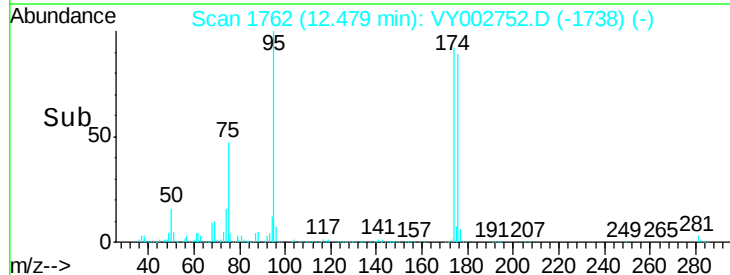
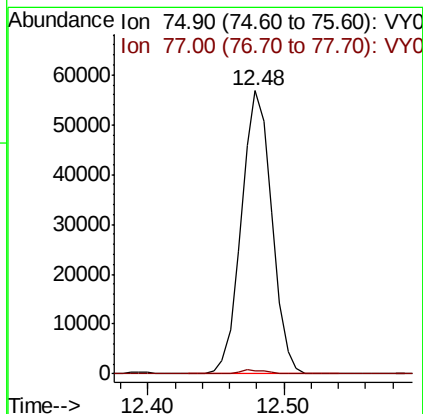
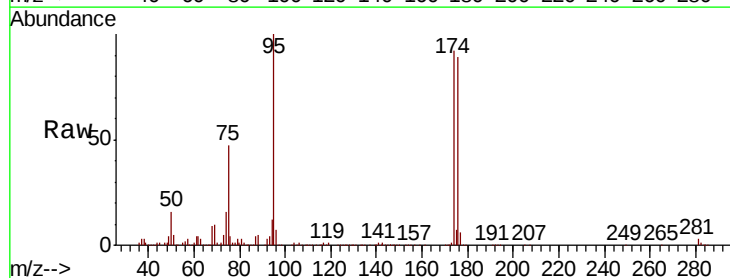
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	155.3	0.0	343.8

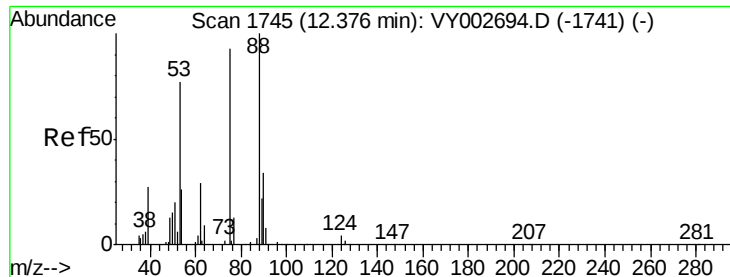


#76

1,2,3-Trichloropropane
Concen: 55.128 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002752.D
Acq: 22 May 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 104.259 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

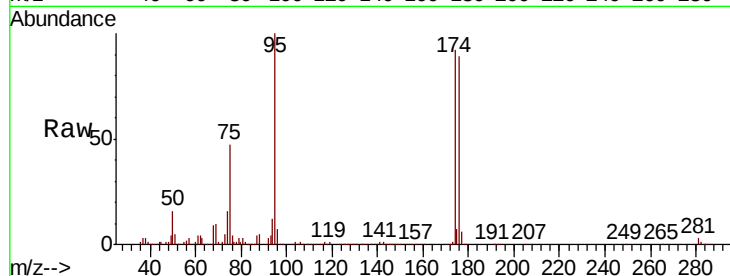
Tot Ion: 75 Resp: 88654

Ion Ratio Lower Upper

75 100

53 0.3 65.0 97.6#

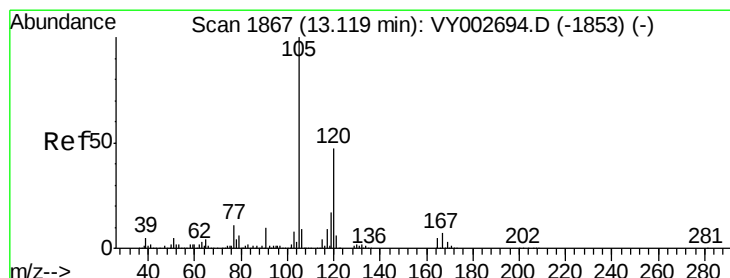
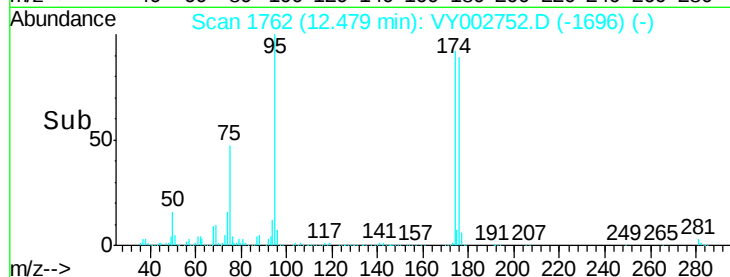
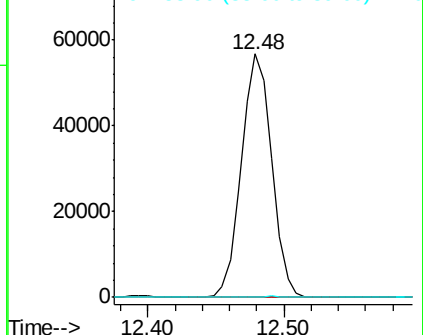
89 0.0 66.6 99.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.407 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY002752.D

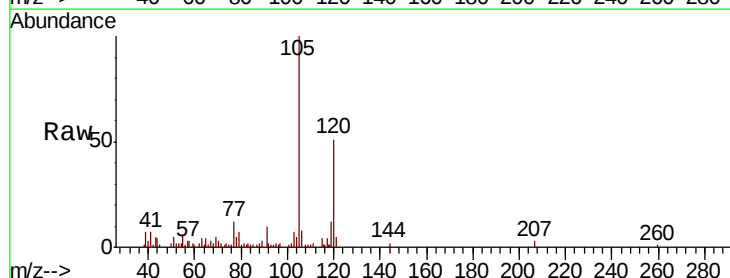
Acq: 22 May 2020 14:11

Tgt Ion:105 Resp: 15109

Ion Ratio Lower Upper

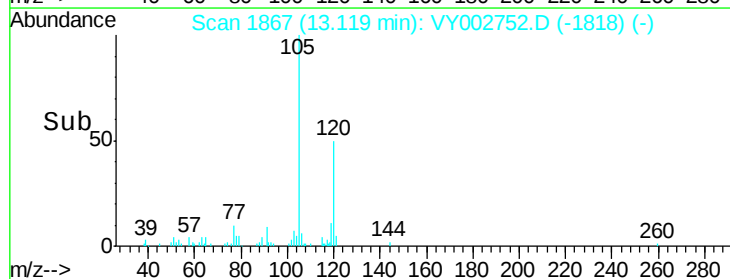
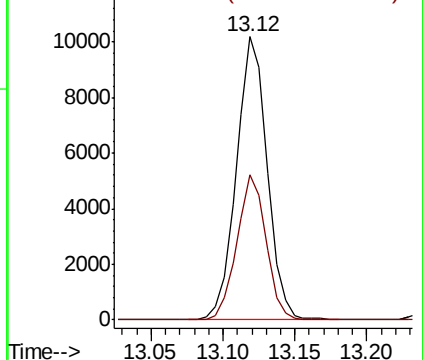
105 100

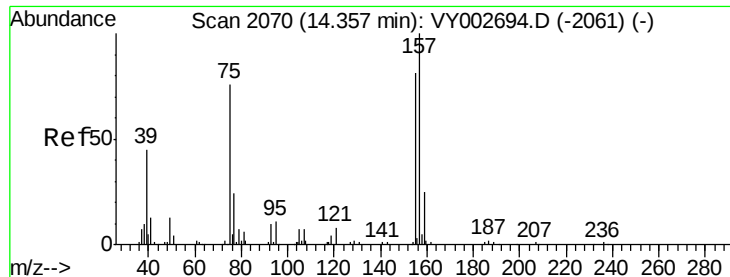
120 48.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.431 ug/l

RT: 14.40 min Scan# 2077

Delta R.T. 0.04 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

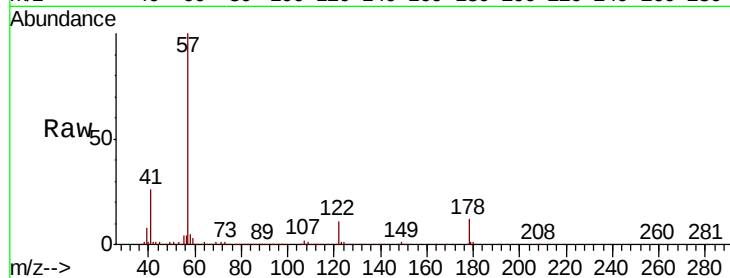
Tot Ion: 75 Resp: 878

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.7#

157 0.0 67.9 203.7#



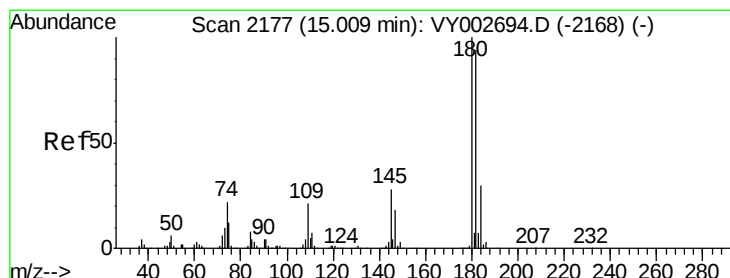
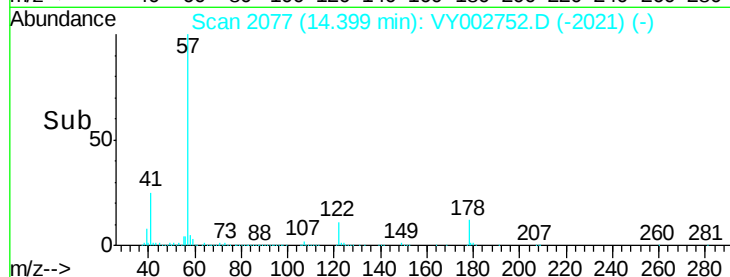
Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.40

Time-->



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

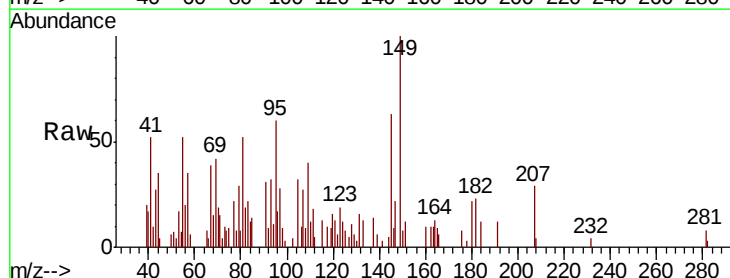
Tgt Ion: 180 Resp: 846

Ion Ratio Lower Upper

180 100

182 107.2 47.3 142.0

145 292.8 14.1 42.2#



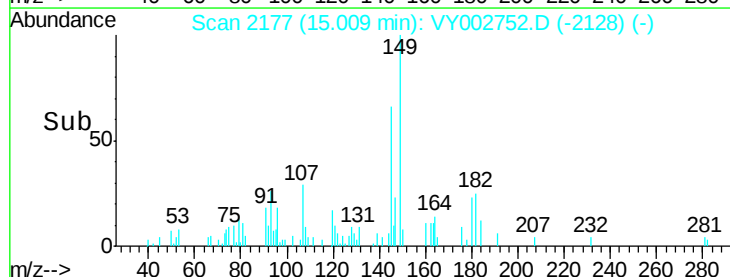
Abundance Ion 179.80 (179.50 to 180.50): V

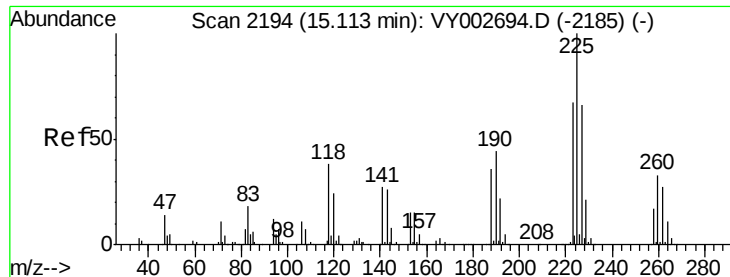
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.01

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.12 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampled :

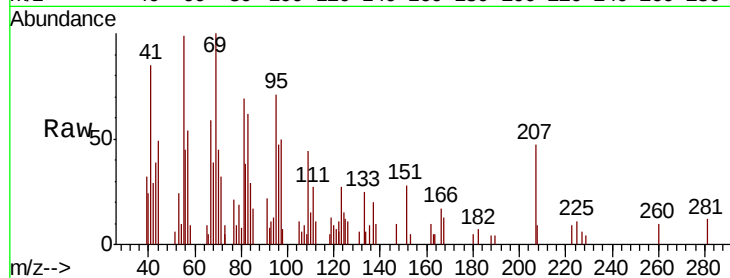
Tot Ion:225 Resp: 235

Ion Ratio Lower Upper

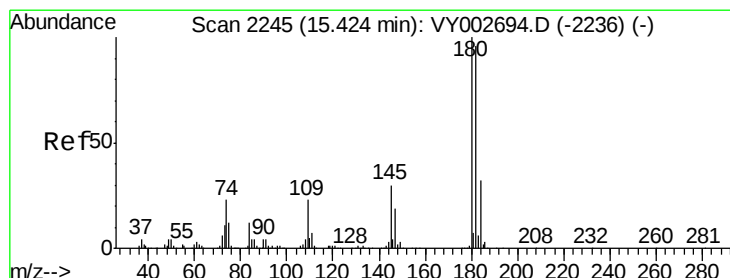
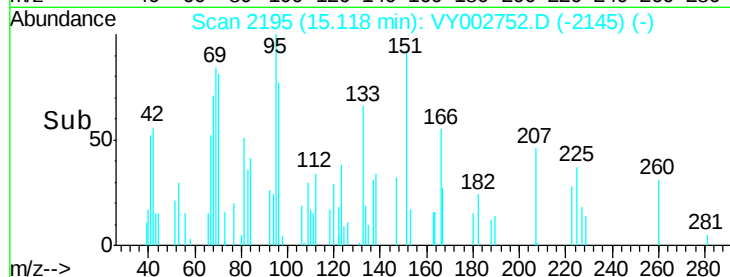
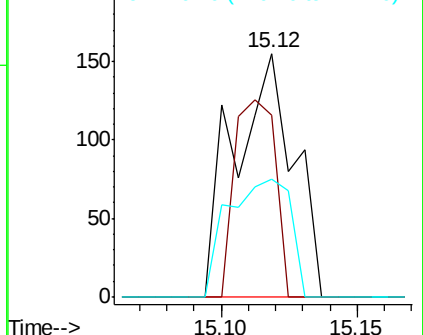
225 100

223 55.7 31.6 94.8

227 51.1 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002752.D

Acq: 22 May 2020 14:11

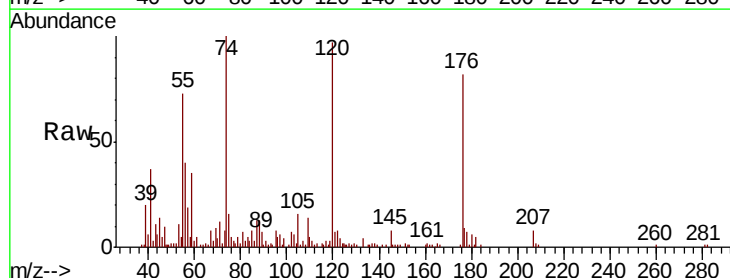
Tgt Ion:180 Resp: 1885

Ion Ratio Lower Upper

180 100

182 49.9 47.6 142.9

145 84.8 15.1 45.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

