

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002737.D
 Acq On : 21 May 2020 13:02
 Operator : SY/MD
 Sample : L2728-01
 Misc : 5.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 13:30:01 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	327079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	524779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	475960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	237299	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	146349	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
35) Dibromofluoromethane	7.73	113	153618	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.18	98	611783	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.48	95	202302	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

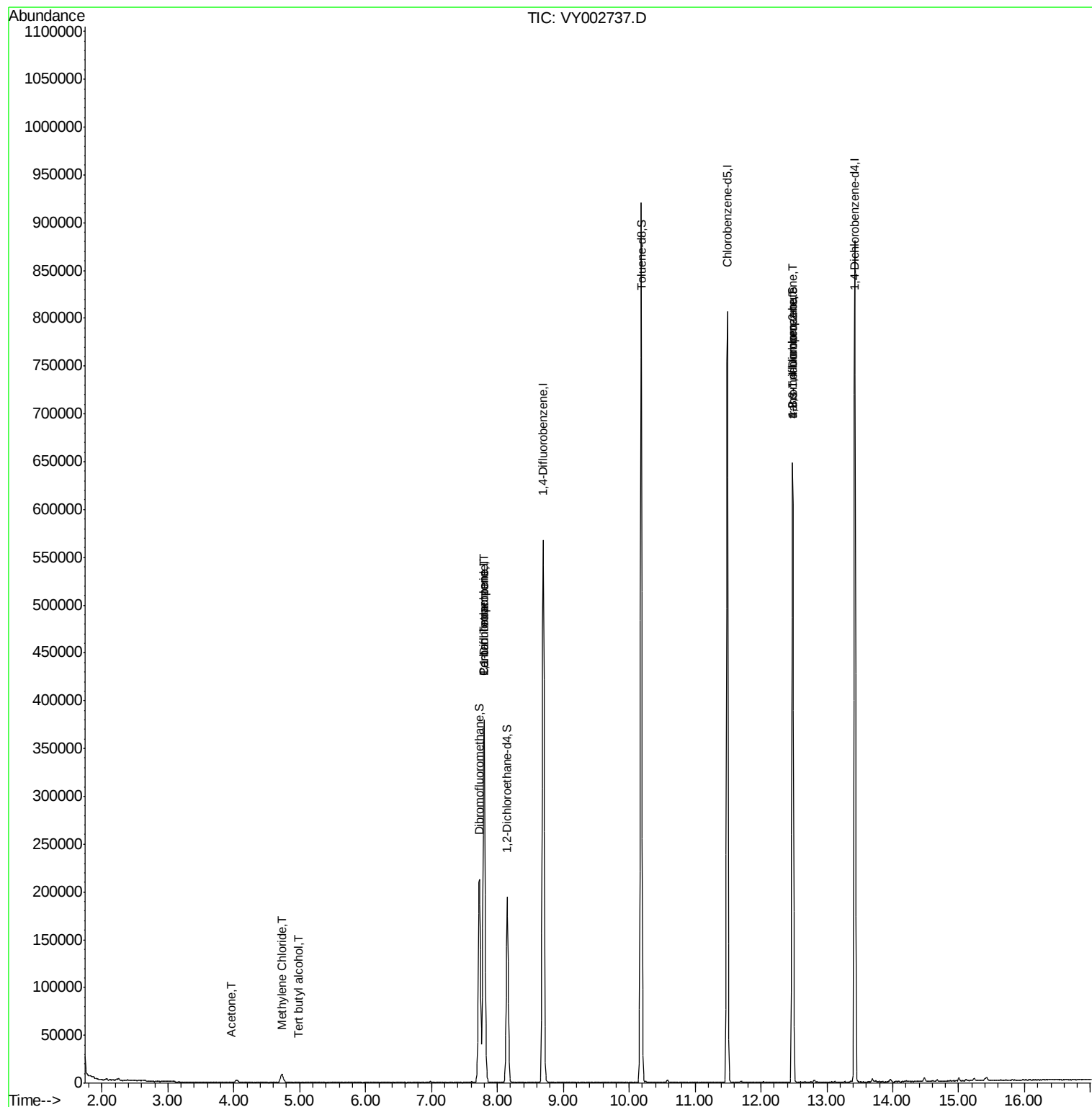
					Qvalue	
11) Tert butyl alcohol	4.97	59	271	1.043	ug/l #	74
16) Acetone	3.96	43	973	1.845	ug/l #	71
20) Methylene Chloride	4.72	84	6967	2.185	ug/l	94
36) 1,1-Dichloropropene	7.80	75	20244	4.557	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28873	6.047	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	94817	48.641	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	94817	91.990	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.00	180	934	Below Cal		95
94) Hexachlorobutadiene	15.11	225	329	Below Cal		80
96) 1,2,3-Trichlorobenzene	15.42	180	1182	Below Cal		95

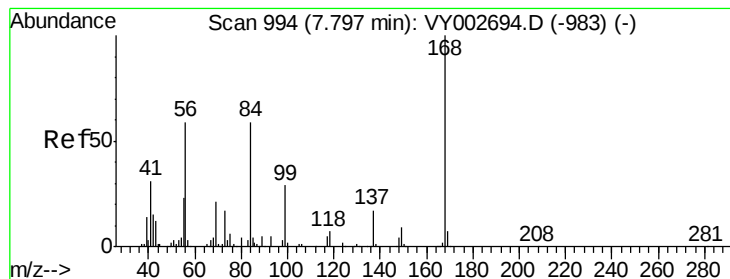
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
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: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

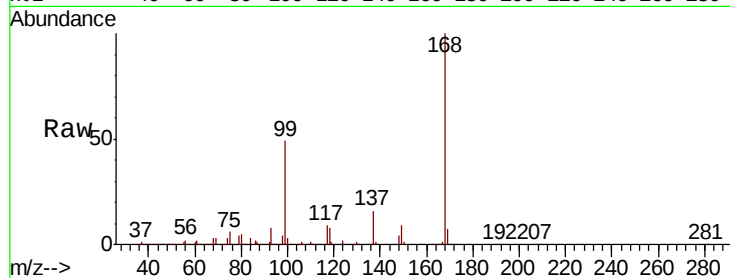
ClientSampleId :

Tot Ion:168 Resp: 327079

Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002737.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002737.D (-945) (-)

7.80

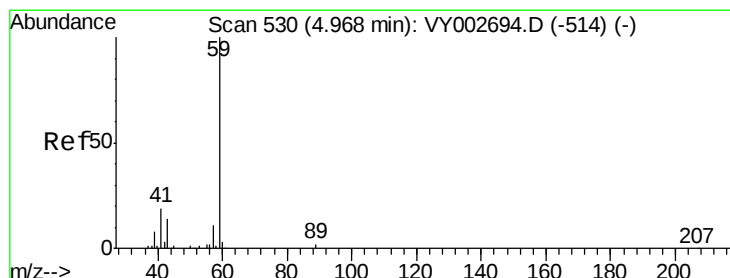
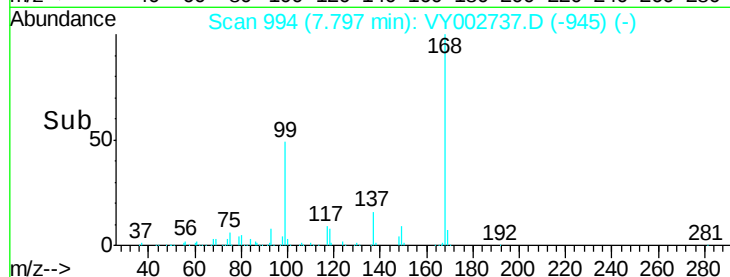
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.043 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY002737.D

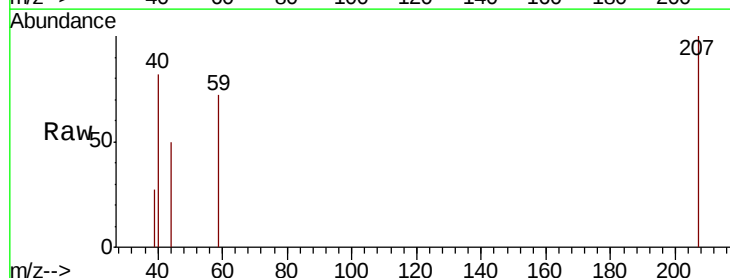
Acq: 21 May 2020 13:02

Tgt Ion: 59 Resp: 271

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002737.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002737.D (-481) (-)

4.97

200

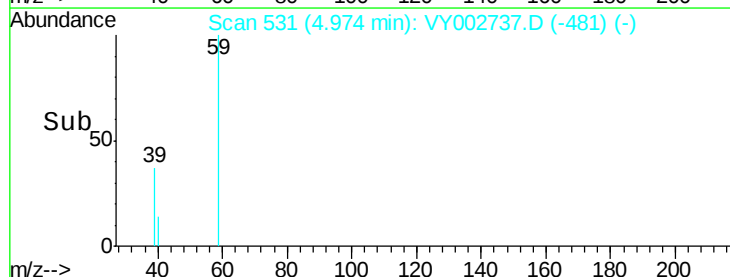
150

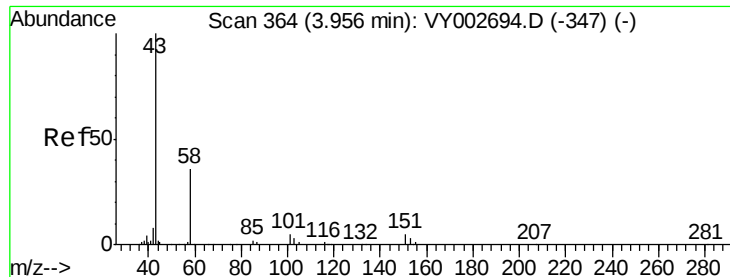
100

50

0

Time-->





#16

Acetone

Concen: 1.845 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

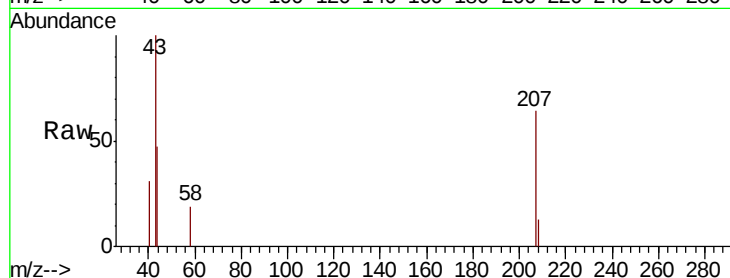
ClientSampleId :

Tot Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

58 18.7 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

400

300

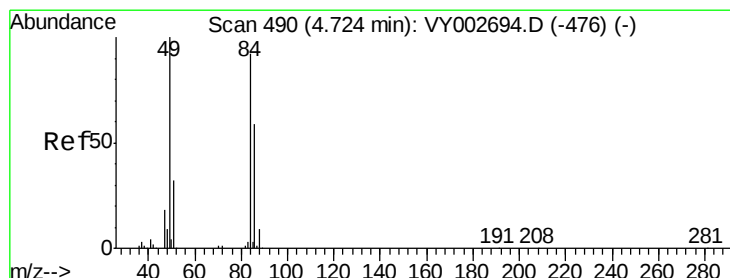
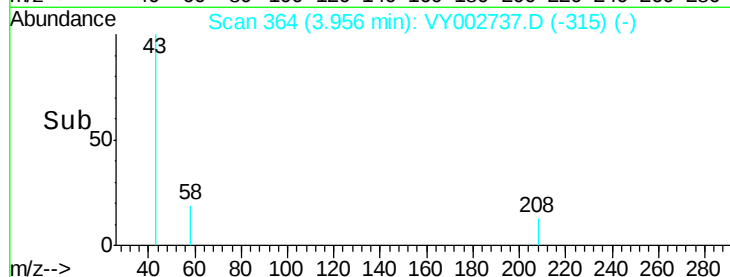
200

100

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 2.185 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Tgt Ion: 84 Resp: 6967

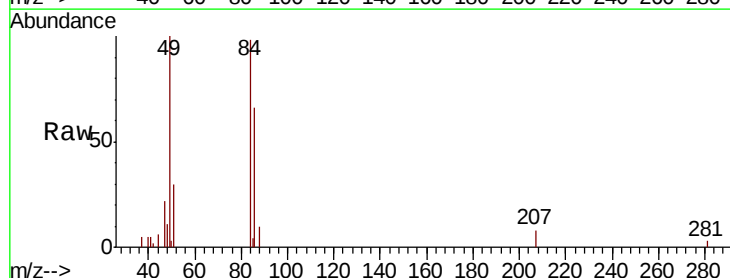
Ion Ratio Lower Upper

84 100

49 101.8 87.4 131.0

51 30.7 27.9 41.9

86 67.4 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

4000

3000

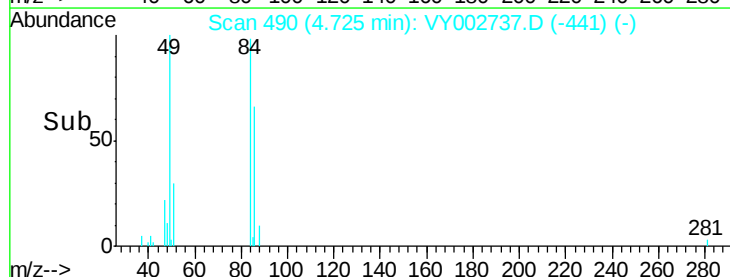
2000

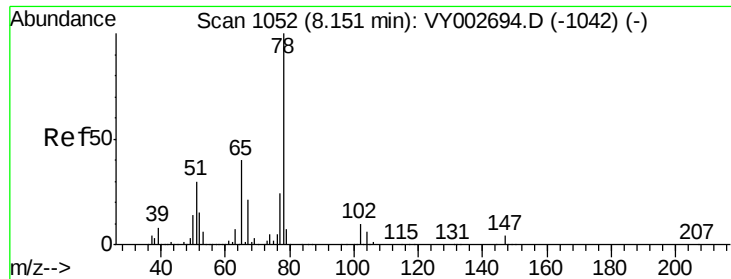
1000

0

4.65 4.70 4.75 4.80

Time-->

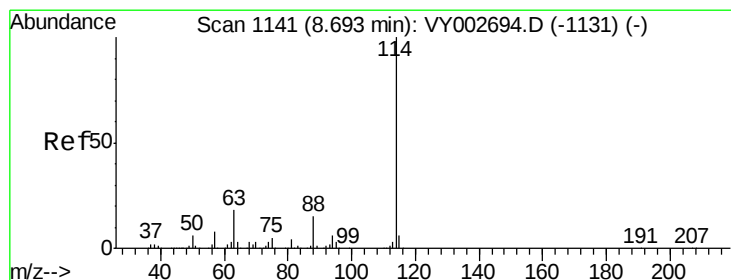
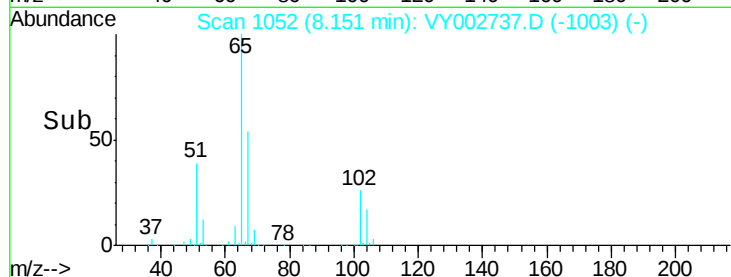
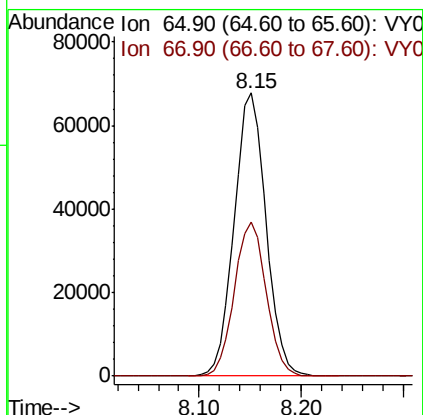
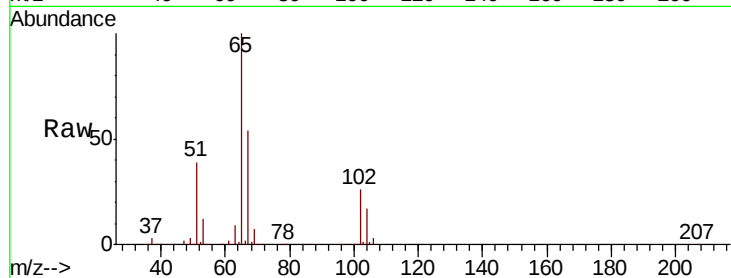




#33
 1,2-Dichloroethane-d4
 Concen: 57.202 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002737.D
 Acq: 21 May 2020 13:02

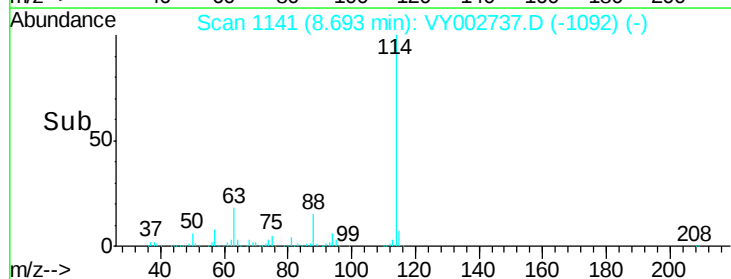
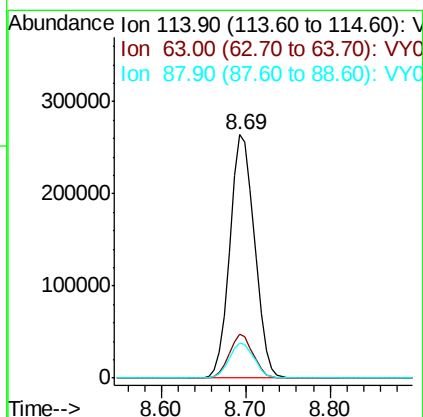
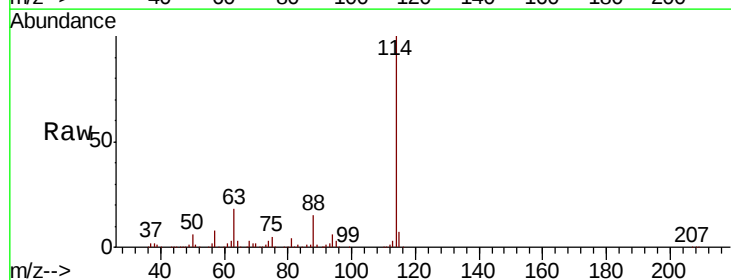
Instrument :
 MSVOA_Y
 ClientSampleId :

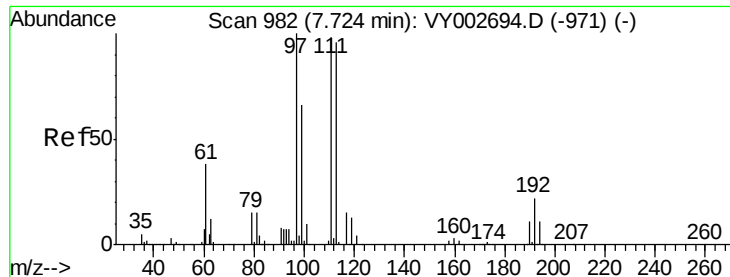
Tot Ion: 65 Resp: 146349
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002737.D
 Acq: 21 May 2020 13:02

Tgt Ion: 114 Resp: 524779
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.4
 88 14.5 0.0 29.4

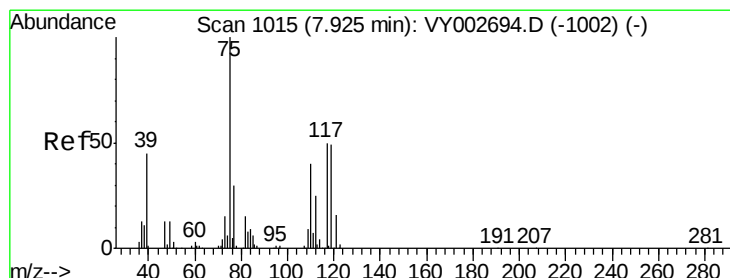
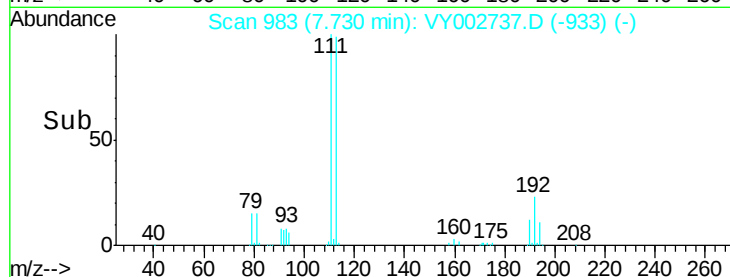
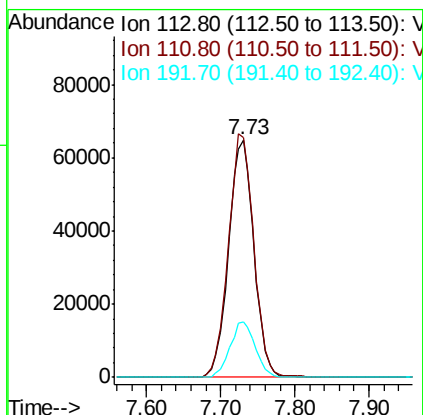
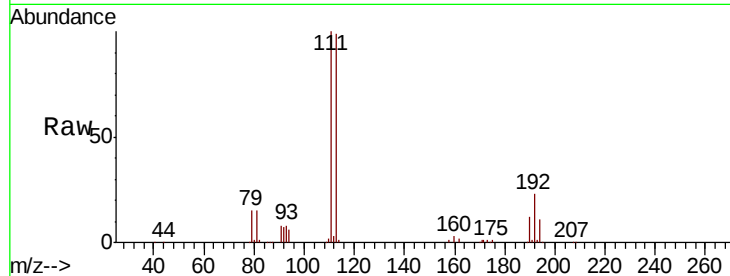




#35
 Dibromofluoromethane
 Concen: 53.042 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY002737.D
 Acq: 21 May 2020 13:02

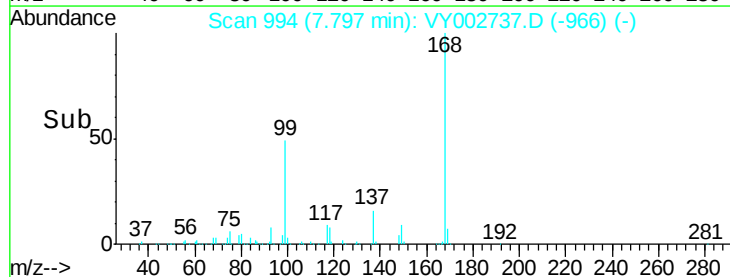
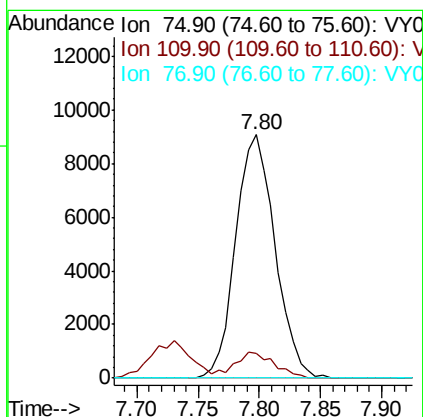
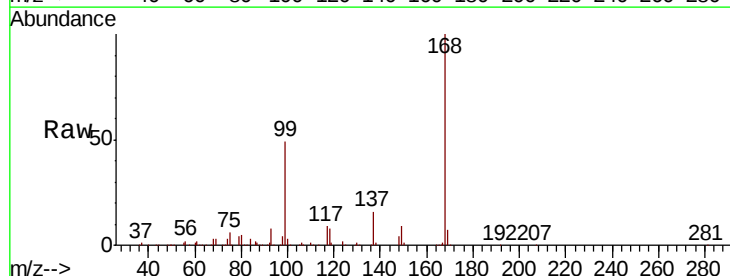
Instrument :
 MSVOA_Y
 ClientSampleId :

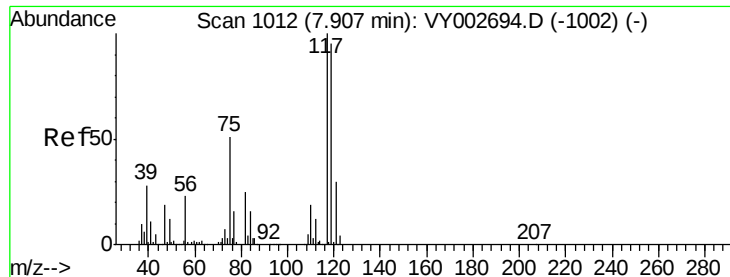
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	23.4	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.557 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002737.D
 Acq: 21 May 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.4	58.4#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

ClientSampleId :

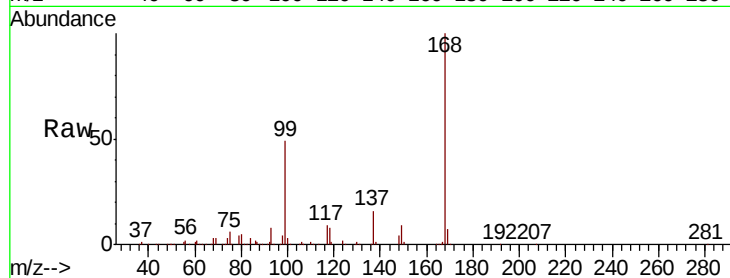
Tot Ion:117 Resp: 28873

Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

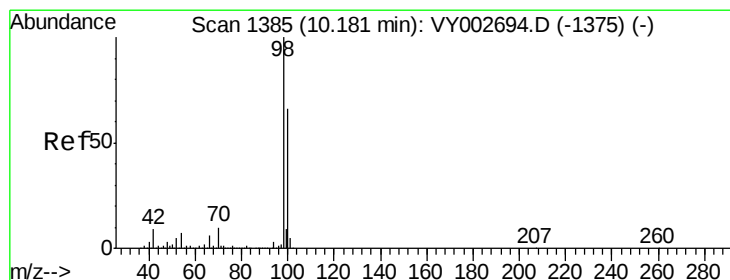
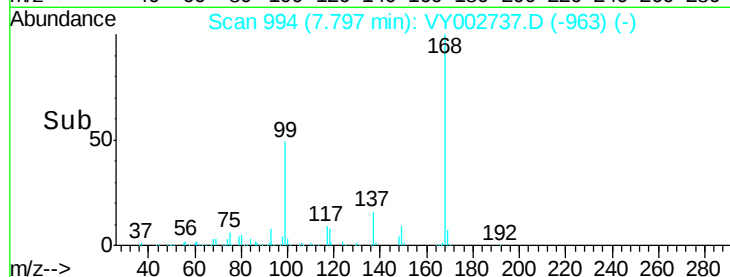
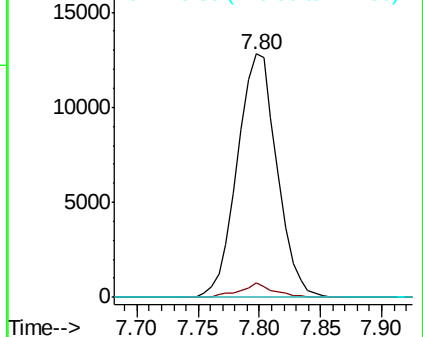
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.468 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002737.D

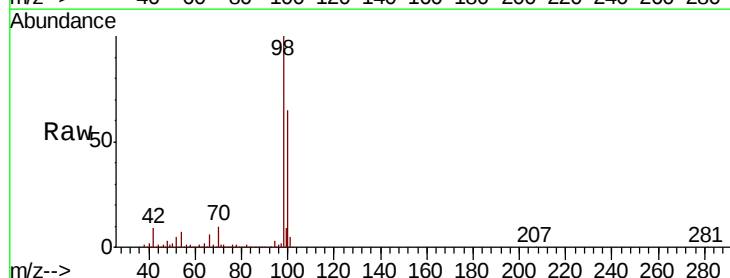
Acq: 21 May 2020 13:02

Tgt Ion: 98 Resp: 611783

Ion Ratio Lower Upper

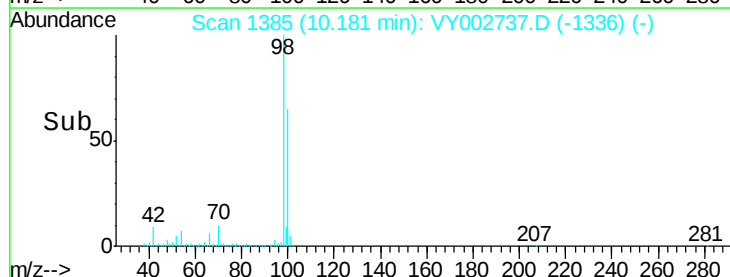
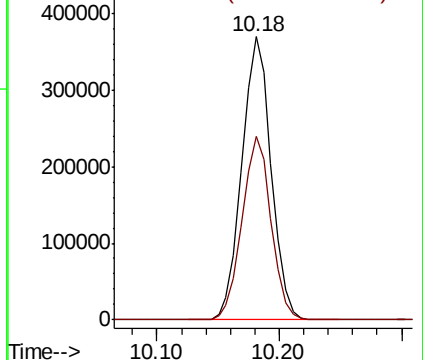
98 100

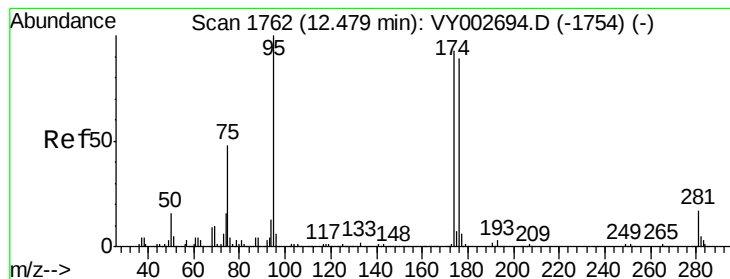
100 64.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 50.479 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

ClientSampleId :

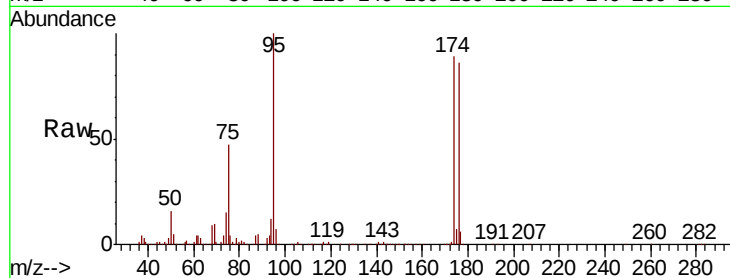
Tot Ion: 95 Resp: 202302

Ion Ratio Lower Upper

95 100

174 94.9 0.0 191.4

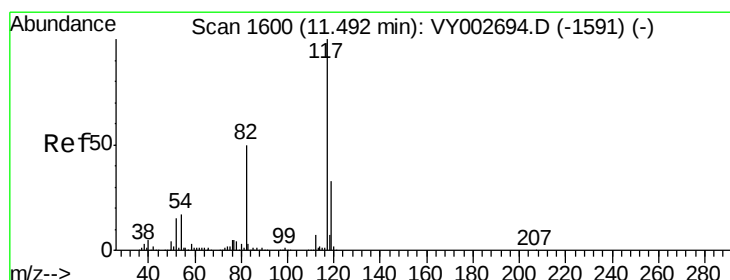
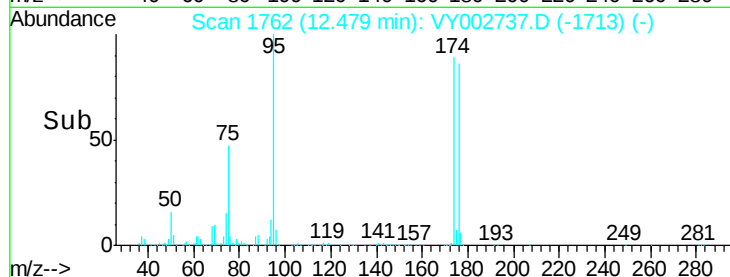
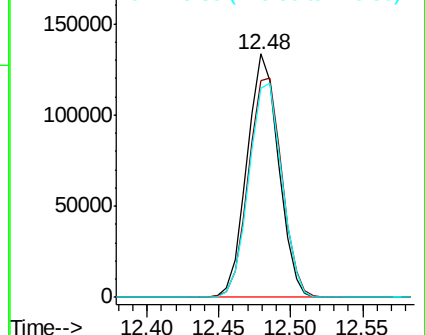
176 91.3 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002737.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002737.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002737.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

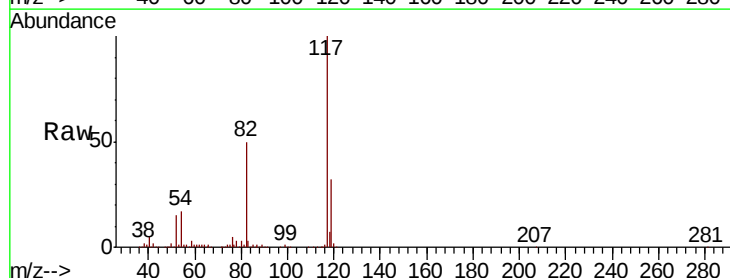
Tgt Ion: 117 Resp: 475960

Ion Ratio Lower Upper

117 100

82 49.5 40.3 60.5

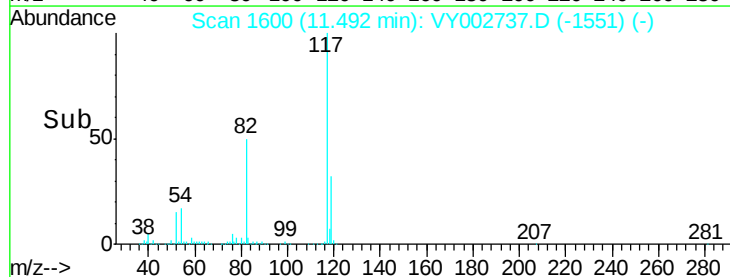
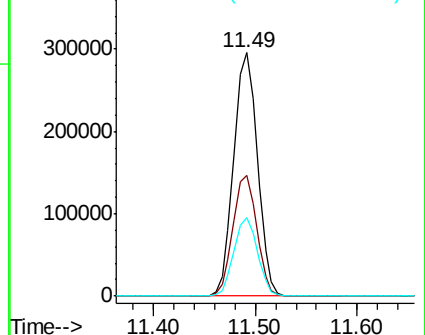
119 32.4 26.2 39.4

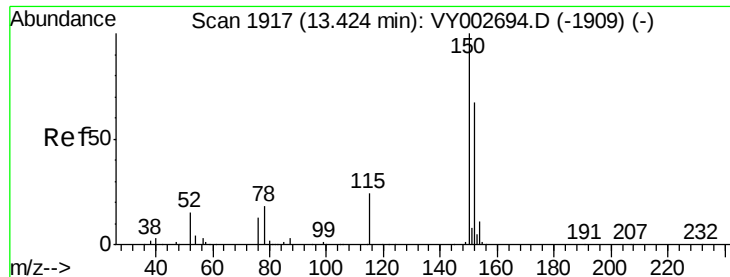


Abundance Ion 116.90 (116.60 to 117.60): VY002737.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002737.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002737.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

ClientSampleId :

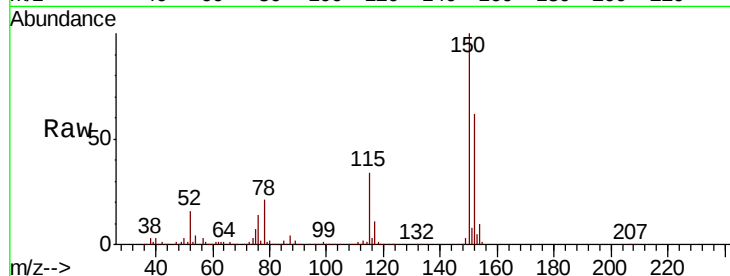
Tot Ion:152 Resp: 237299

Ion Ratio Lower Upper

152 100

115 54.1 27.2 81.6

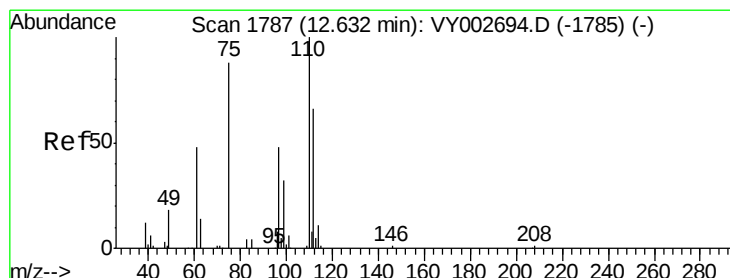
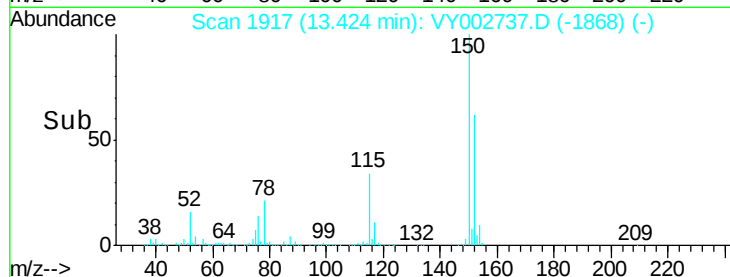
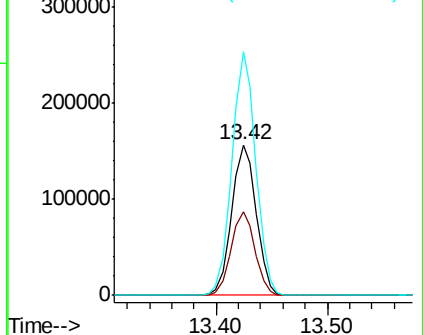
150 157.4 0.0 343.8



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: 48.641 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002737.D

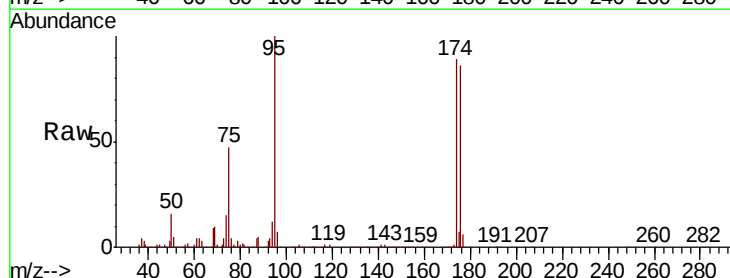
Acq: 21 May 2020 13:02

Tgt Ion: 75 Resp: 94817

Ion Ratio Lower Upper

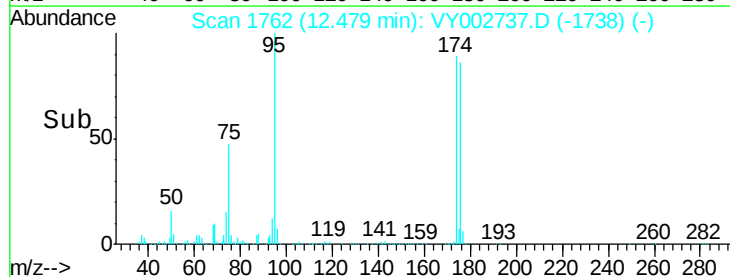
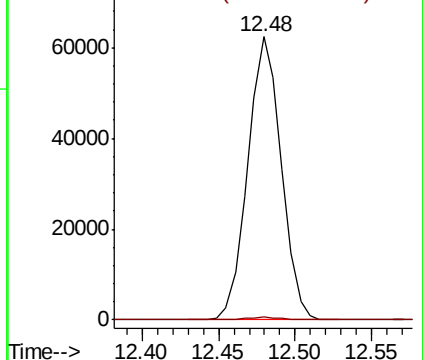
75 100

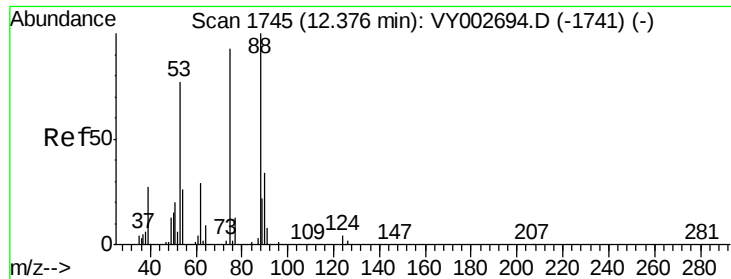
77 1.1 0.0 0.0#



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: 91.990 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

ClientSampled :

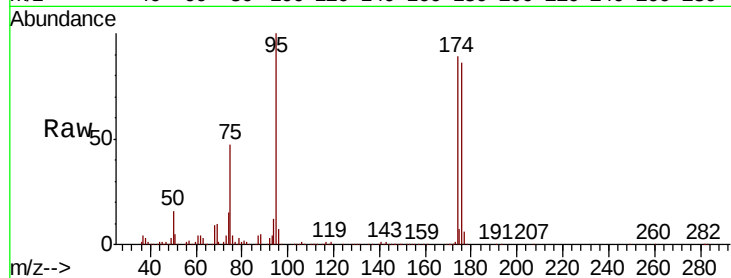
Tot Ion: 75 Resp: 94817

Ion Ratio Lower Upper

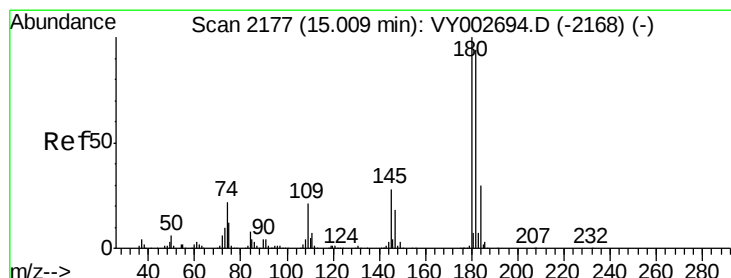
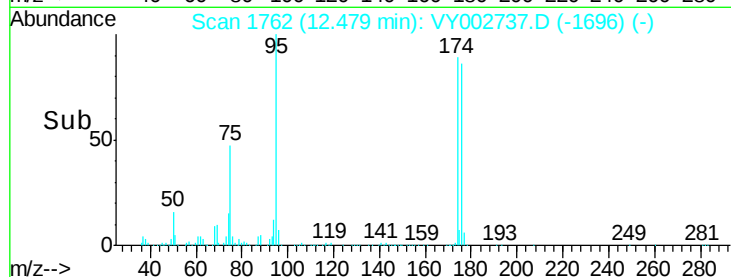
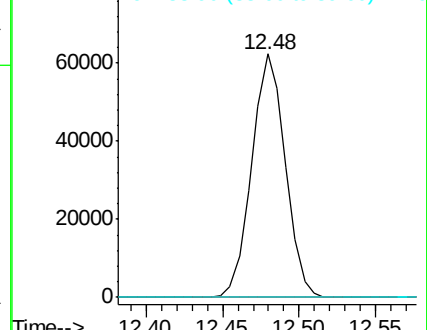
75 100

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: VY002737.D

Acq: 21 May 2020 13:02

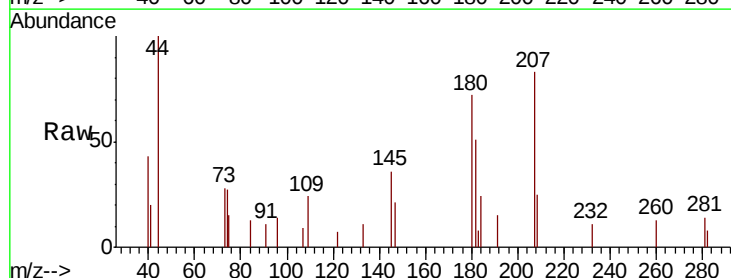
Tgt Ion: 180 Resp: 934

Ion Ratio Lower Upper

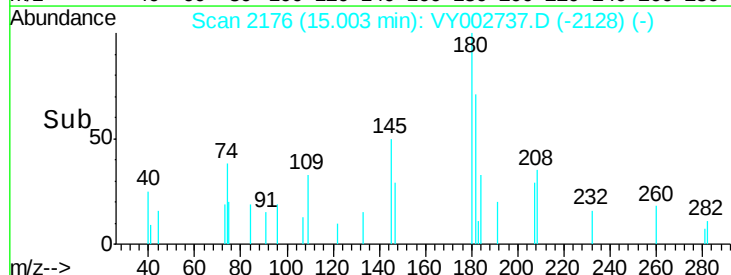
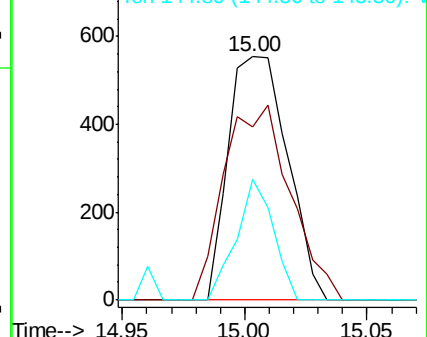
180 100

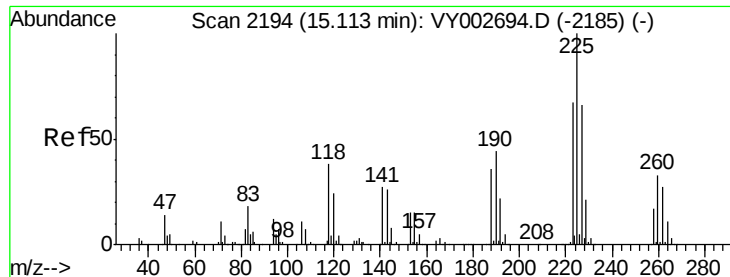
182 89.6 47.3 142.0

145 31.0 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





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.11 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

Instrument :

MSVOA_Y

ClientSampled :

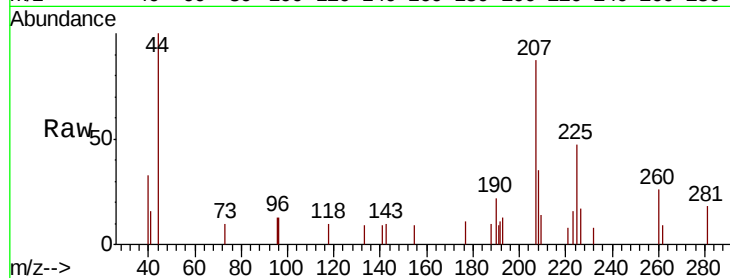
Tot Ion:225 Resp: 329

Ion Ratio Lower Upper

225 100

223 37.7 31.6 94.8

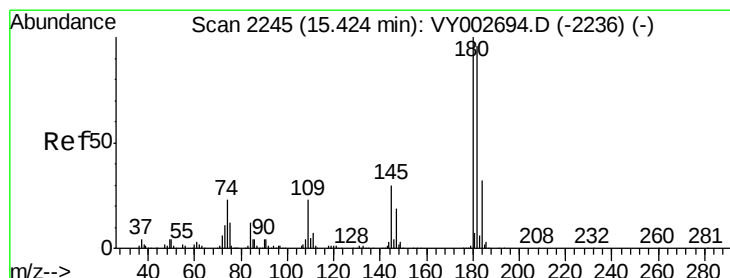
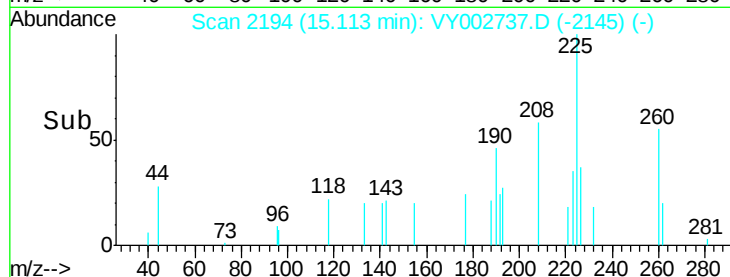
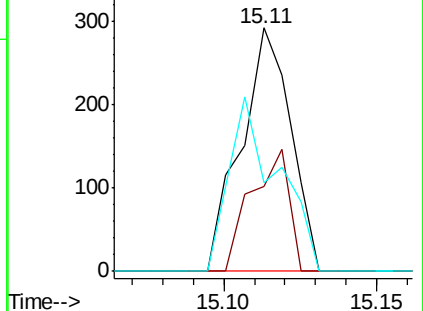
227 69.6 32.2 96.6



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# 2244

Delta R.T. -0.01 min

Lab File: VY002737.D

Acq: 21 May 2020 13:02

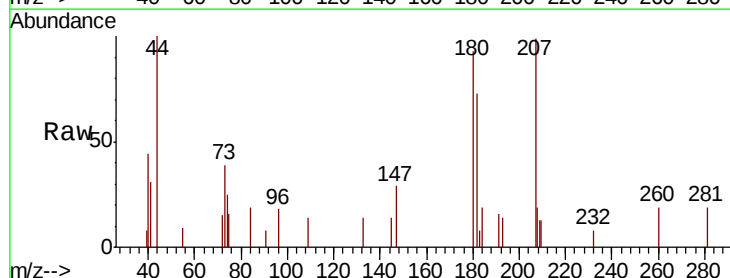
Tgt Ion:180 Resp: 1182

Ion Ratio Lower Upper

180 100

182 95.6 47.6 142.9

145 41.7 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

