

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003237.D
 Acq On : 20 Jul 2020 17:21
 Operator : SY/MD
 Sample : L3308-11RE
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

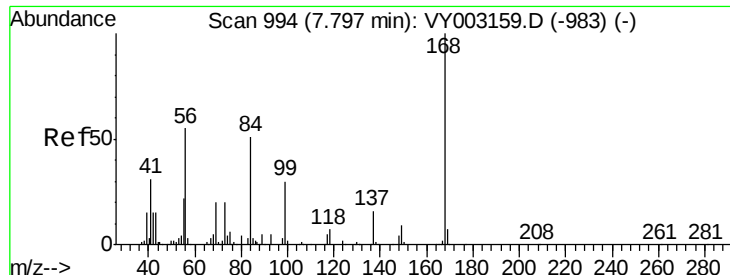
Instrument :
 MSVOA_Y
 ClientSampleId :
 11RE

Quant Time: Jul 21 03:19:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	380565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	579079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	493434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	205853	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	215886	67.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.42%	
35) Dibromofluoromethane	7.72	113	187260	56.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.38%	
50) Toluene-d8	10.18	98	684452	55.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.48	95	203172	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	805	2.318	ug/l #	72
16) Acetone	3.96	43	2418	3.370	ug/l #	75
20) Methylene Chloride	4.72	84	36420	5.161	ug/l	95
31) Cyclohexane	7.79	56	7348	1.258	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	27404	5.221	ug/l #	50
38) Carbon Tetrachloride	7.80	117	34369	6.343	ug/l #	16
49) 1,4-Dioxane	9.28	88	44	1.587	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	106212	58.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	106212	113.442	ug/l #	13

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

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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: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

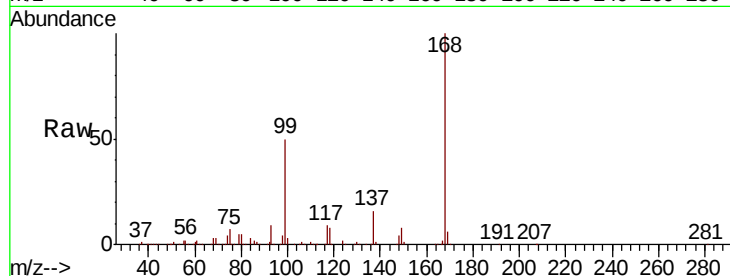
11RE

Tot Ion:168 Resp: 380565

Ion Ratio Lower Upper

168 100

99 49.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

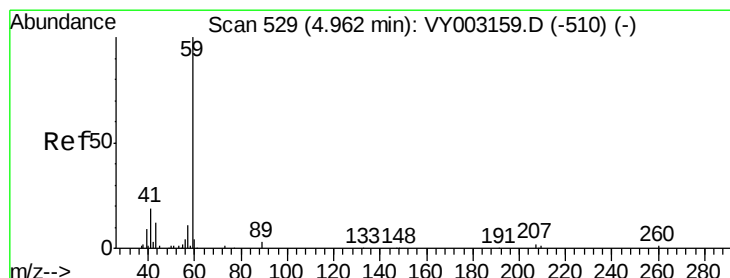
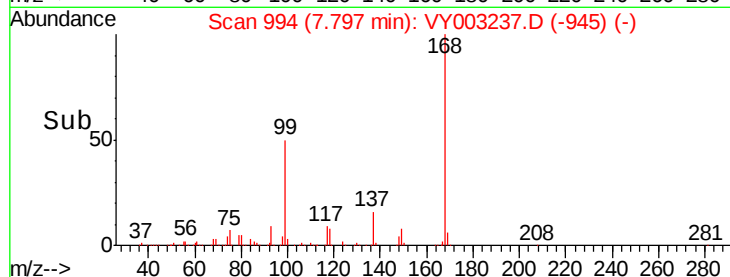
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.318 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY003237.D

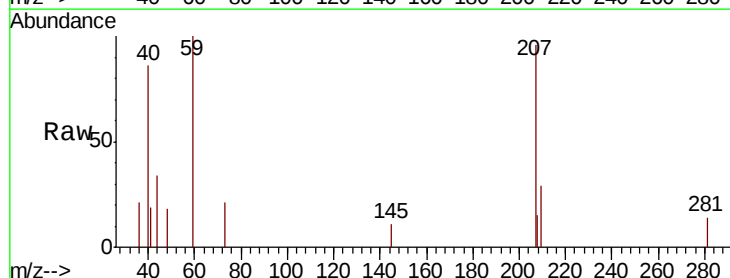
Acq: 20 Jul 2020 17:21

Tgt Ion: 59 Resp: 805

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.97

500

400

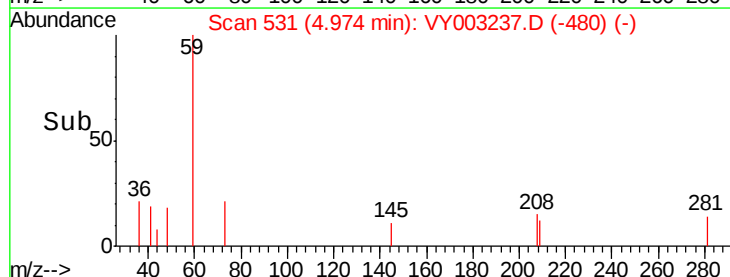
300

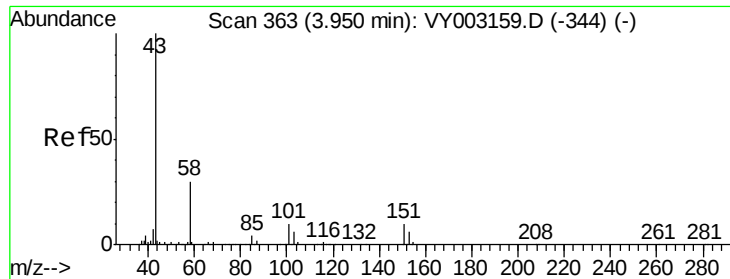
200

100

0

Time-->





#16

Acetone

Concen: 3.370 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampled :

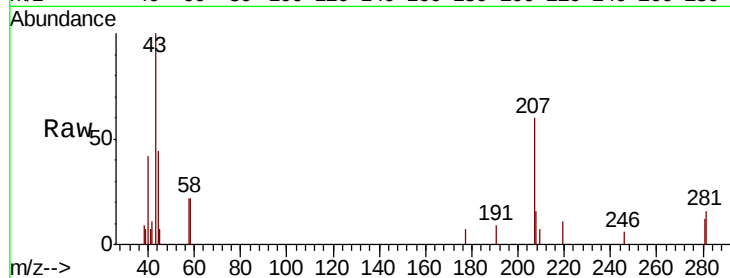
11RE

Tot Ion: 43 Resp: 2418

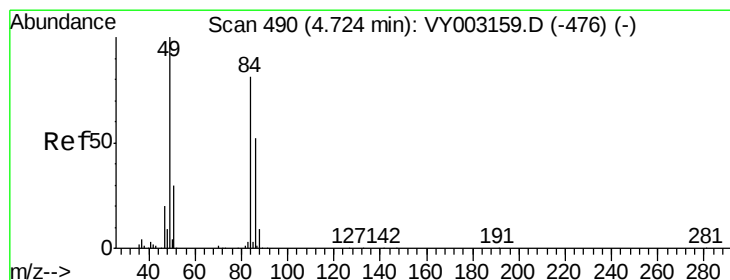
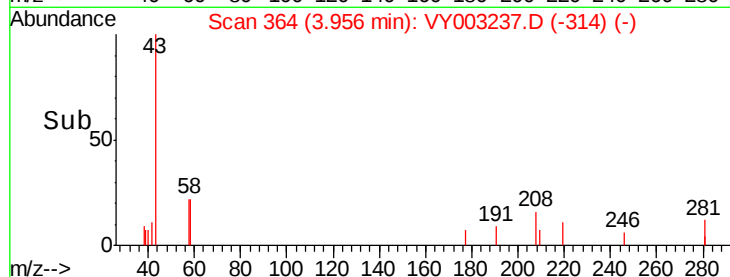
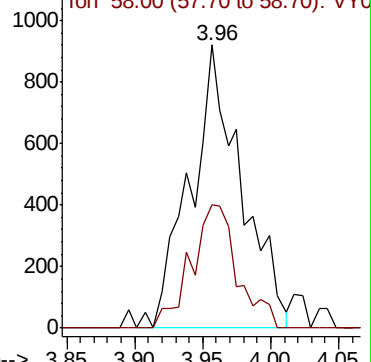
Ion Ratio Lower Upper

43 100

58 43.4 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-344) (-)



#20

Methylene Chloride

Concen: 5.161 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

Tgt Ion: 84 Resp: 36420

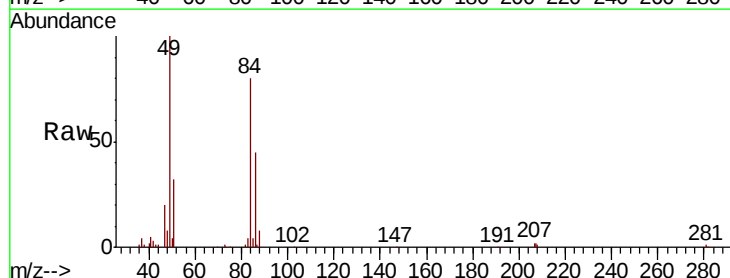
Ion Ratio Lower Upper

84 100

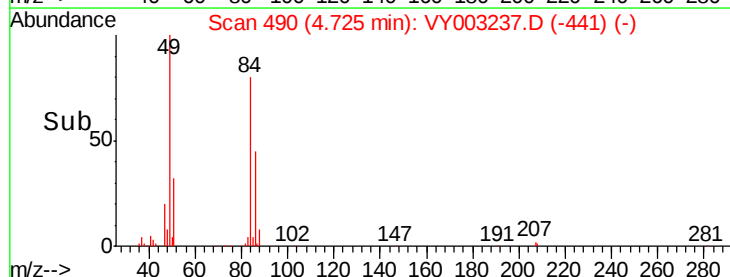
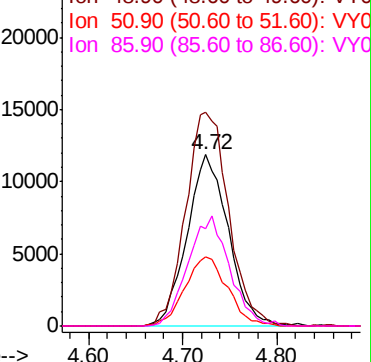
49 124.9 98.2 147.4

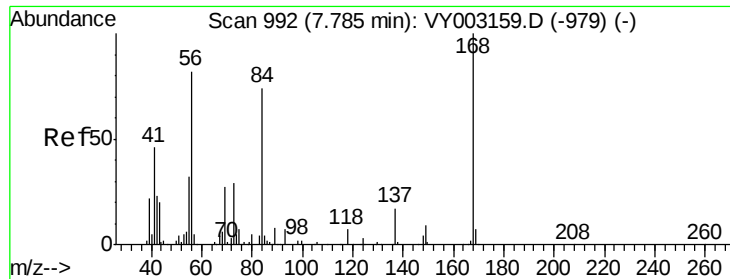
51 40.1 29.8 44.6

86 56.7 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY003159.D (-476) (-)

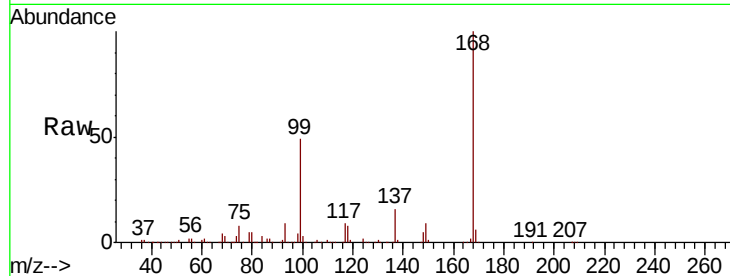




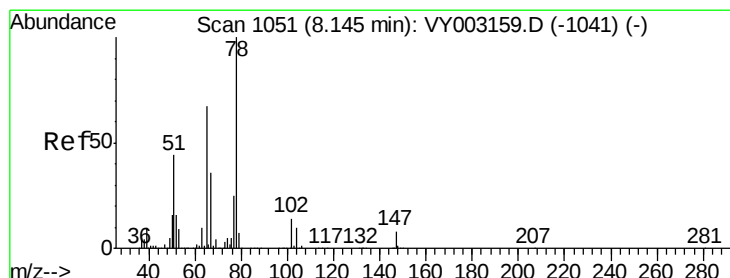
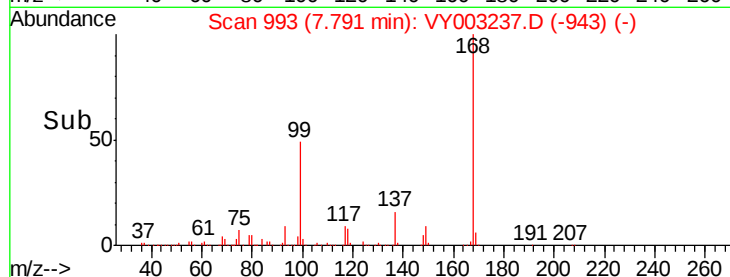
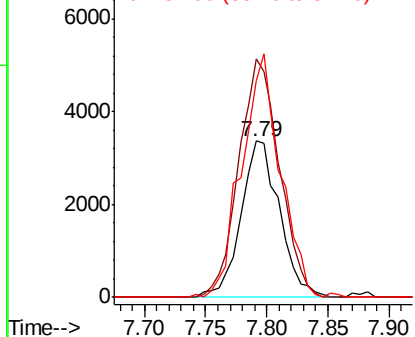
#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003237.D
Acq: 20 Jul 2020 17:21

Instrument :
MSVOA_Y
ClientSampleId :
11RE

Tot Ion: 56 Resp: 7348
Ion Ratio Lower Upper
56 100
69 153.2 26.7 40.1#
84 139.1 72.3 108.5#

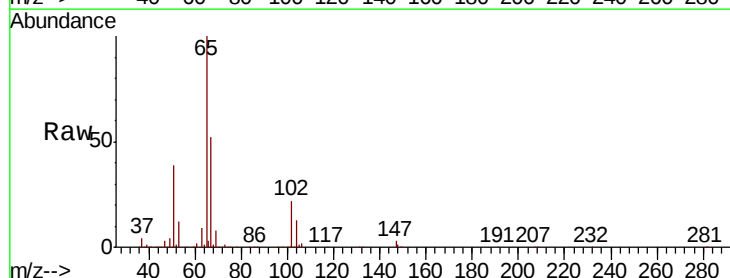


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

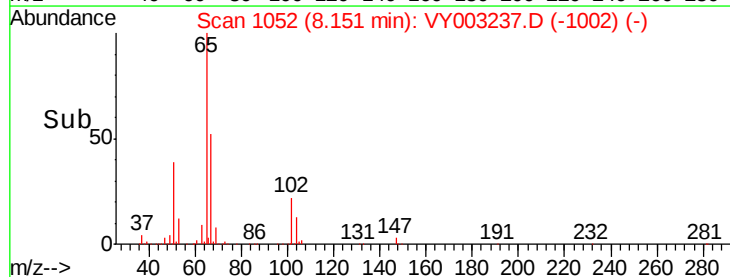
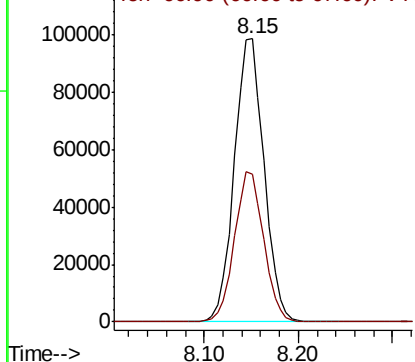


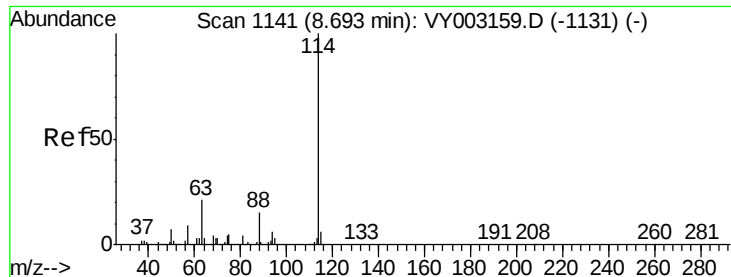
#33
1,2-Dichloroethane-d4
Concen: 67.210 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003237.D
Acq: 20 Jul 2020 17:21

Tgt Ion: 65 Resp: 215886
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.2



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: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

11RE

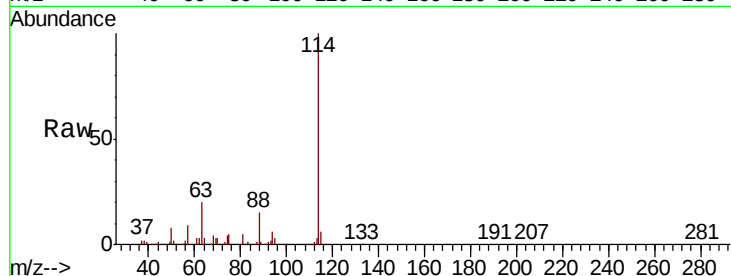
Tot Ion:114 Resp: 579079

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.2

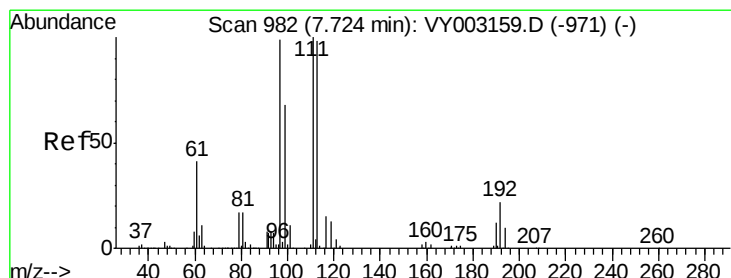
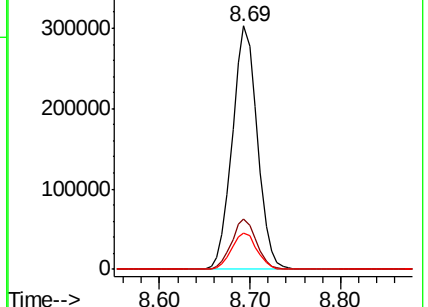
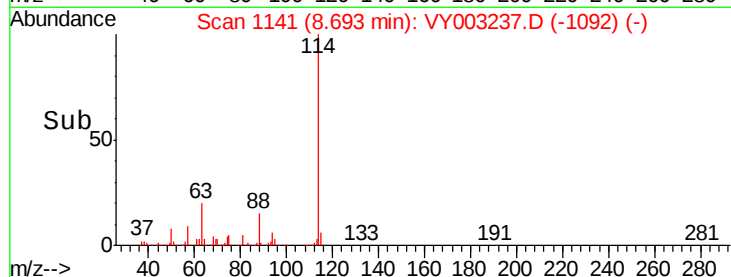
88 15.1 0.0 30.2



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: 56.193 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

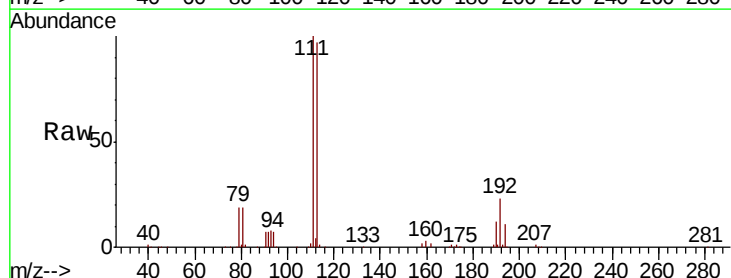
Tgt Ion:113 Resp: 187260

Ion Ratio Lower Upper

113 100

111 104.0 82.1 123.1

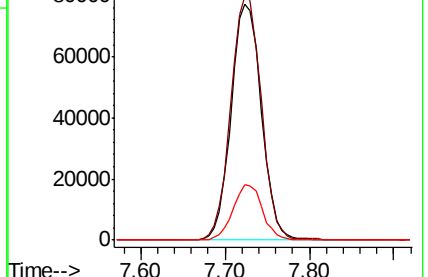
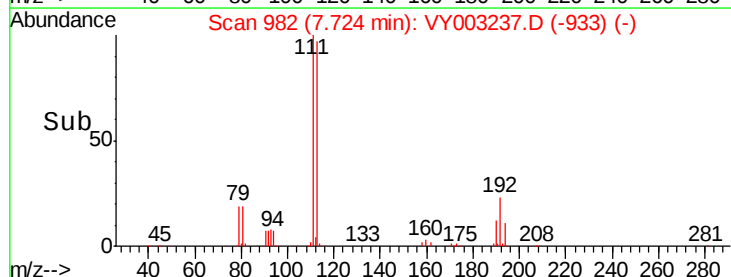
192 22.7 18.8 28.2

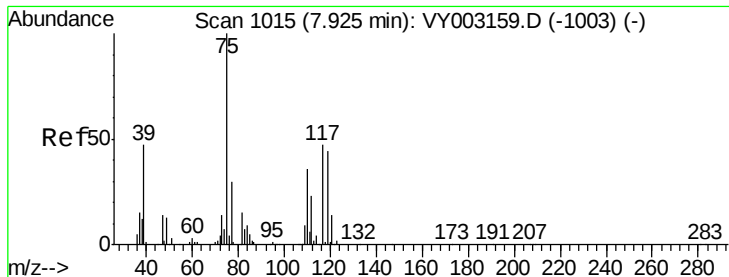


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.221 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

11RE

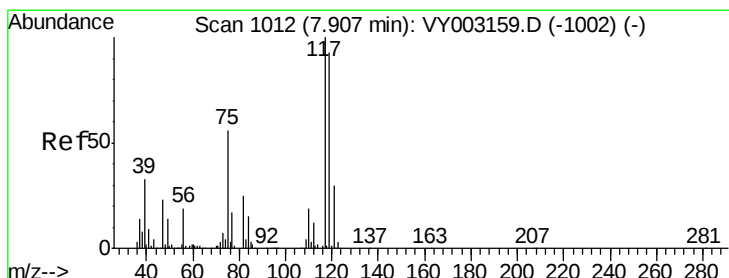
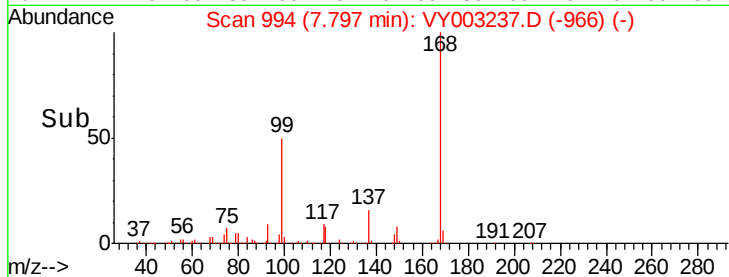
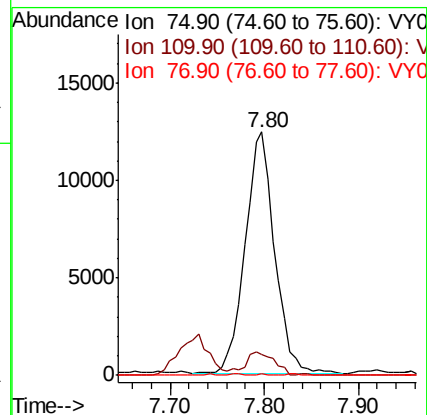
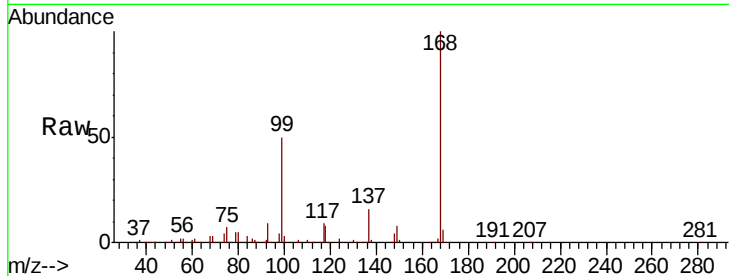
Tot Ion: 75 Resp: 27404

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

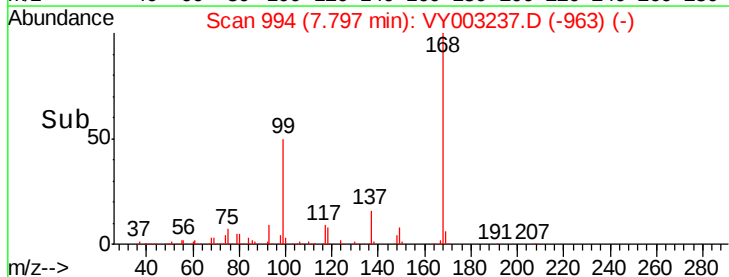
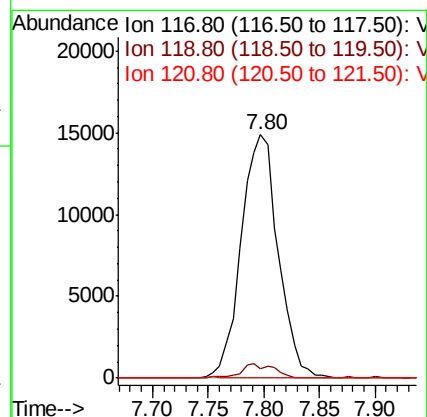
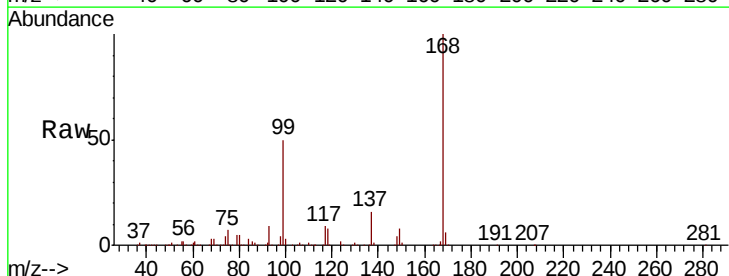
Tgt Ion: 117 Resp: 34369

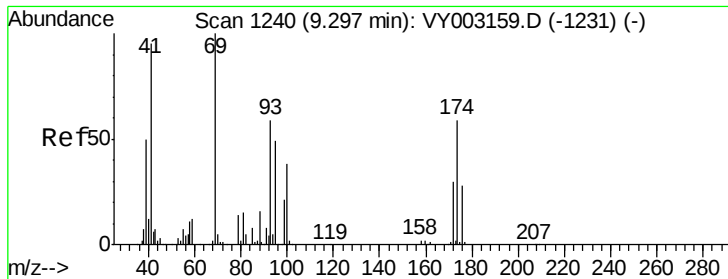
Ion Ratio Lower Upper

117 100

119 4.0 74.5 111.7#

121 0.0 24.2 36.2#

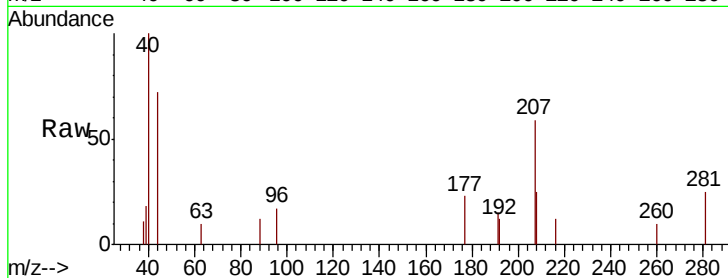




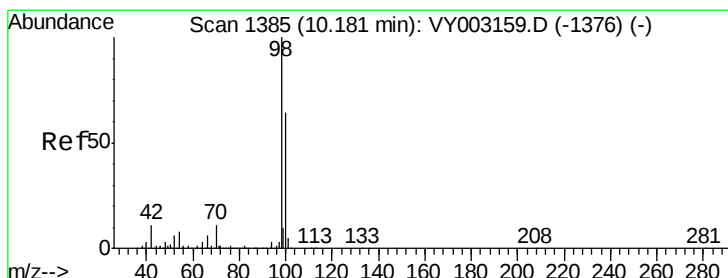
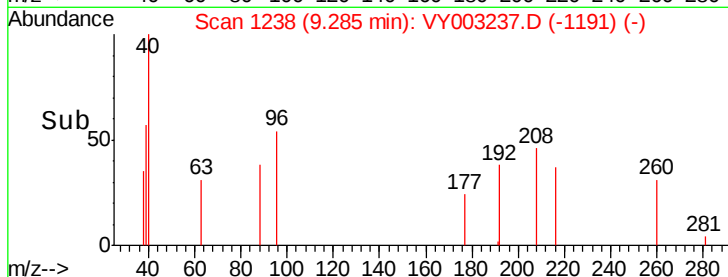
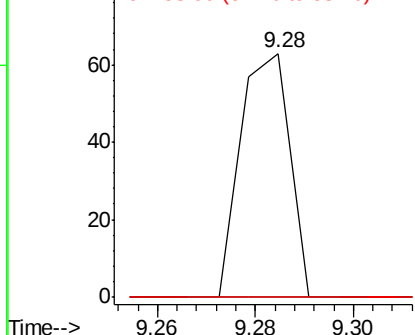
#49
1,4-Dioxane
Concen: 1.587 ug/l
RT: 9.28 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VY003237.D
Acq: 20 Jul 2020 17:21

Instrument :
MSVOA_Y
ClientSampleId :
11RE

Tot Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 0.0 47.8 71.6#

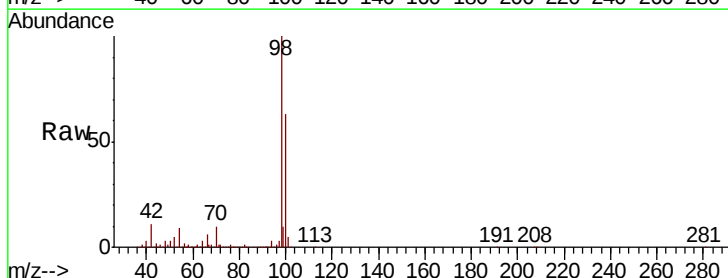


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

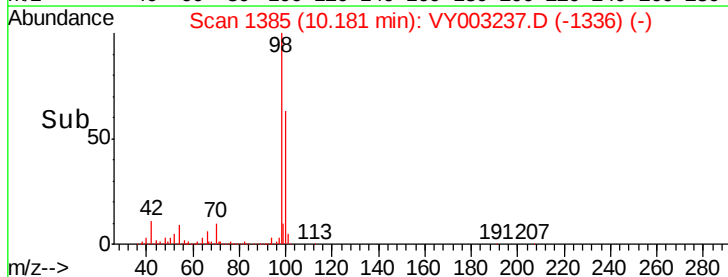
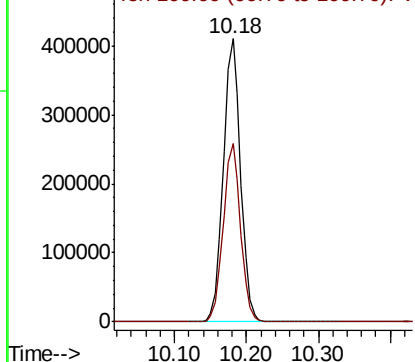


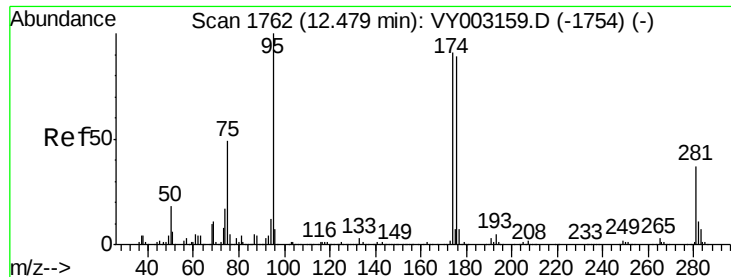
#50
Toluene-d8
Concen: 55.244 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003237.D
Acq: 20 Jul 2020 17:21

Tgt Ion: 98 Resp: 684452
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 45.393 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

11RE

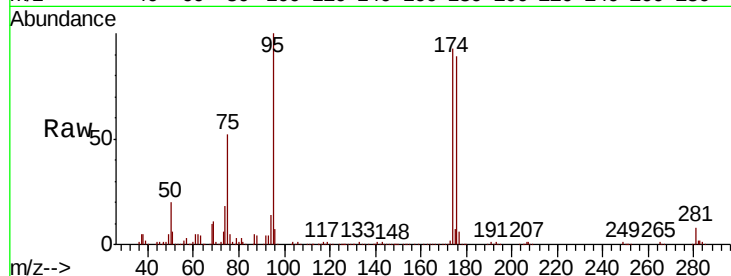
Tot Ion: 95 Resp: 203172

Ion Ratio Lower Upper

95 100

174 95.3 0.0 190.6

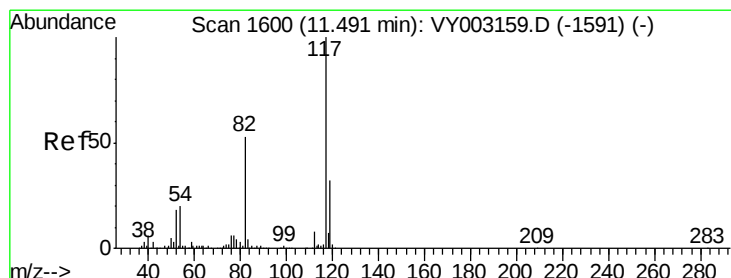
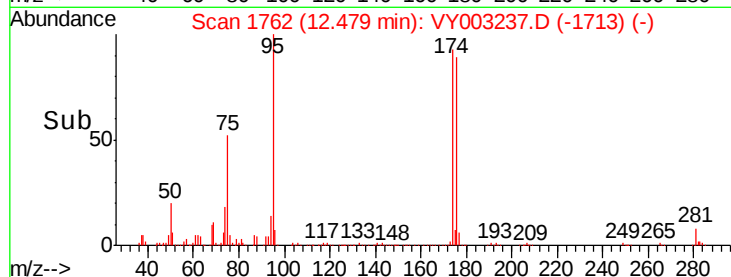
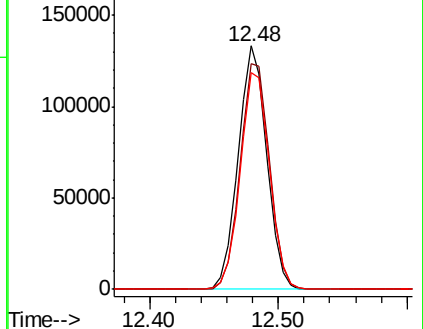
176 91.4 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003159.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003159.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003159.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

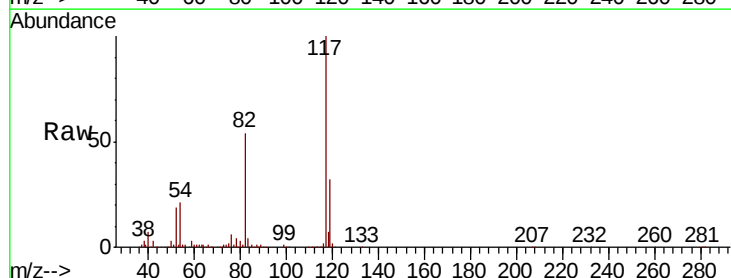
Tgt Ion: 117 Resp: 493434

Ion Ratio Lower Upper

117 100

82 53.6 42.0 63.0

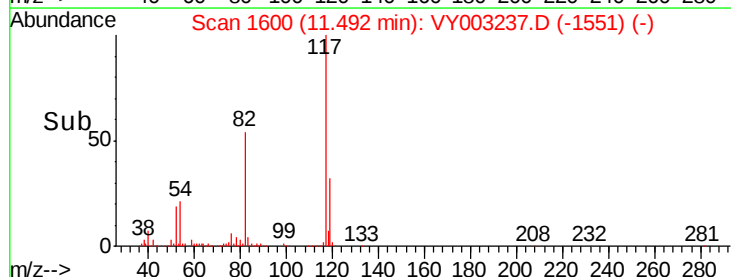
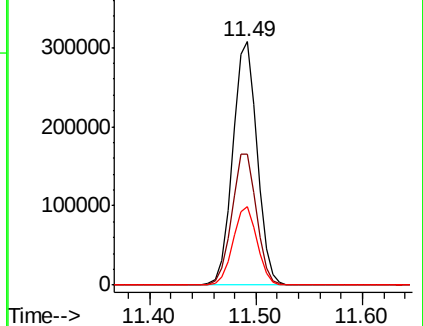
119 32.0 25.5 38.3

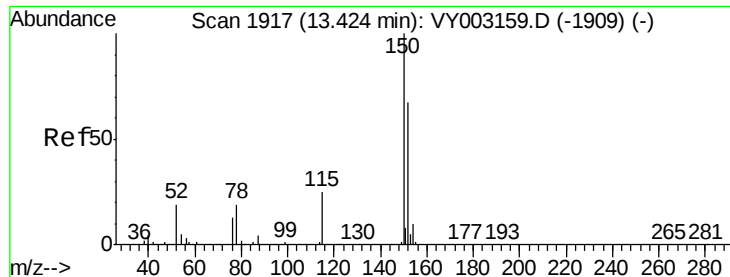


Abundance Ion 116.90 (116.60 to 117.60): VY003159.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003159.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003159.D (-1591) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

11RE

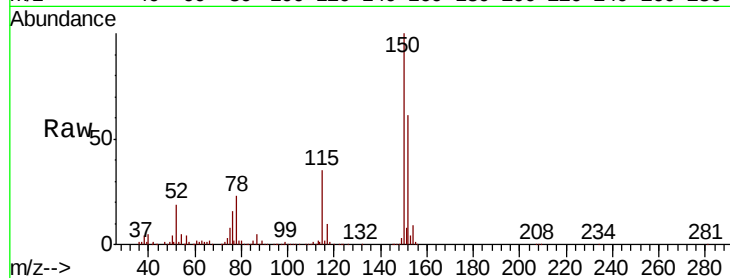
Tot Ion:152 Resp: 205853

Ion Ratio Lower Upper

152 100

115 55.1 26.9 80.7

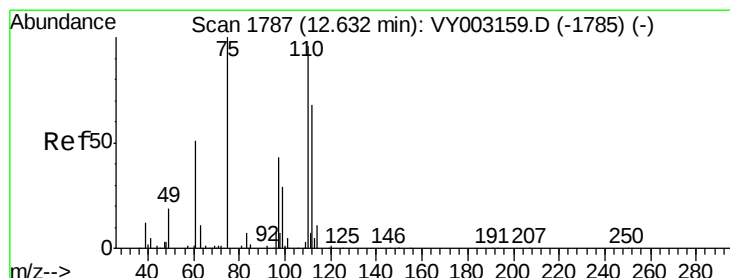
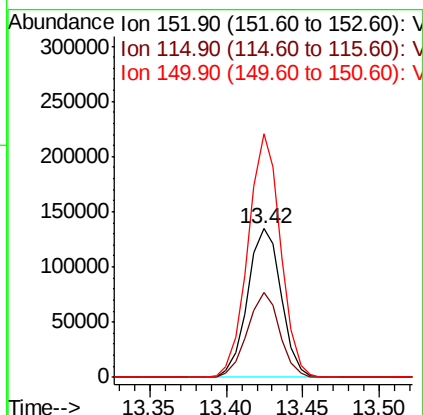
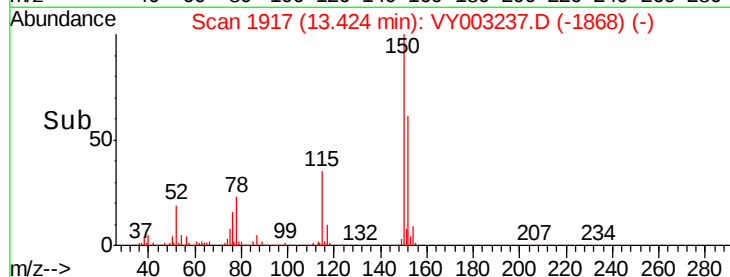
150 158.0 0.0 338.0



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: 58.289 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003237.D

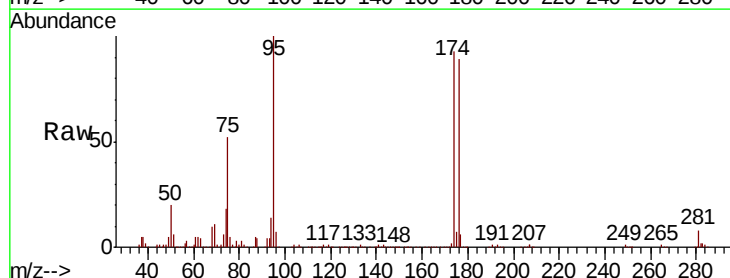
Acq: 20 Jul 2020 17:21

Tgt Ion: 75 Resp: 106212

Ion Ratio Lower Upper

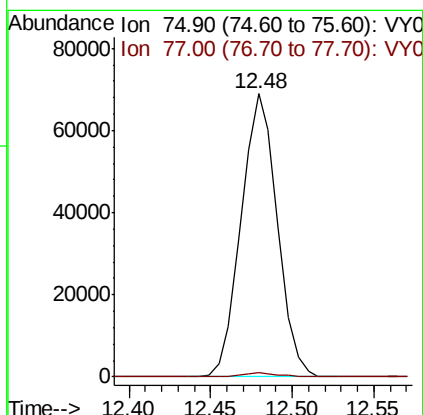
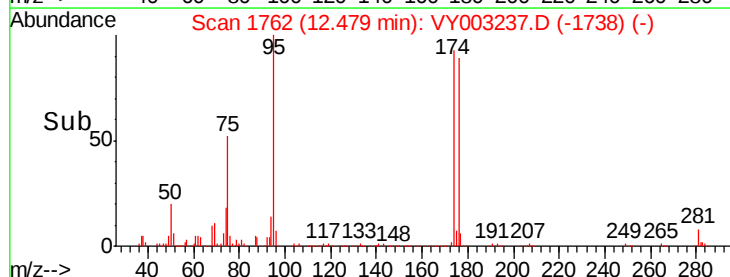
75 100

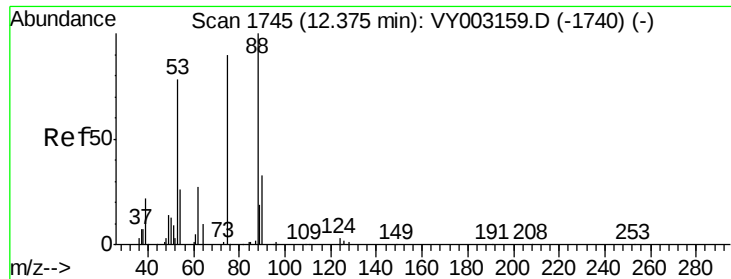
77 1.6 0.0 0.0#



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: 113.442 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003237.D

Acq: 20 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

11RE

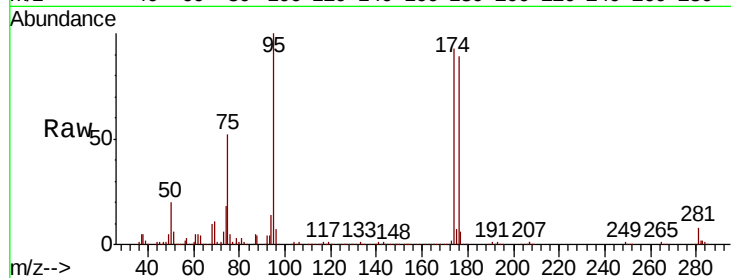
Tot Ion: 75 Resp: 106212

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 37.3 55.9#



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

