

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003299.D
 Acq On : 22 Jul 2020 19:33
 Operator : SY/MD
 Sample : L3308-15
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 15

Quant Time: Jul 23 05:45:06 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

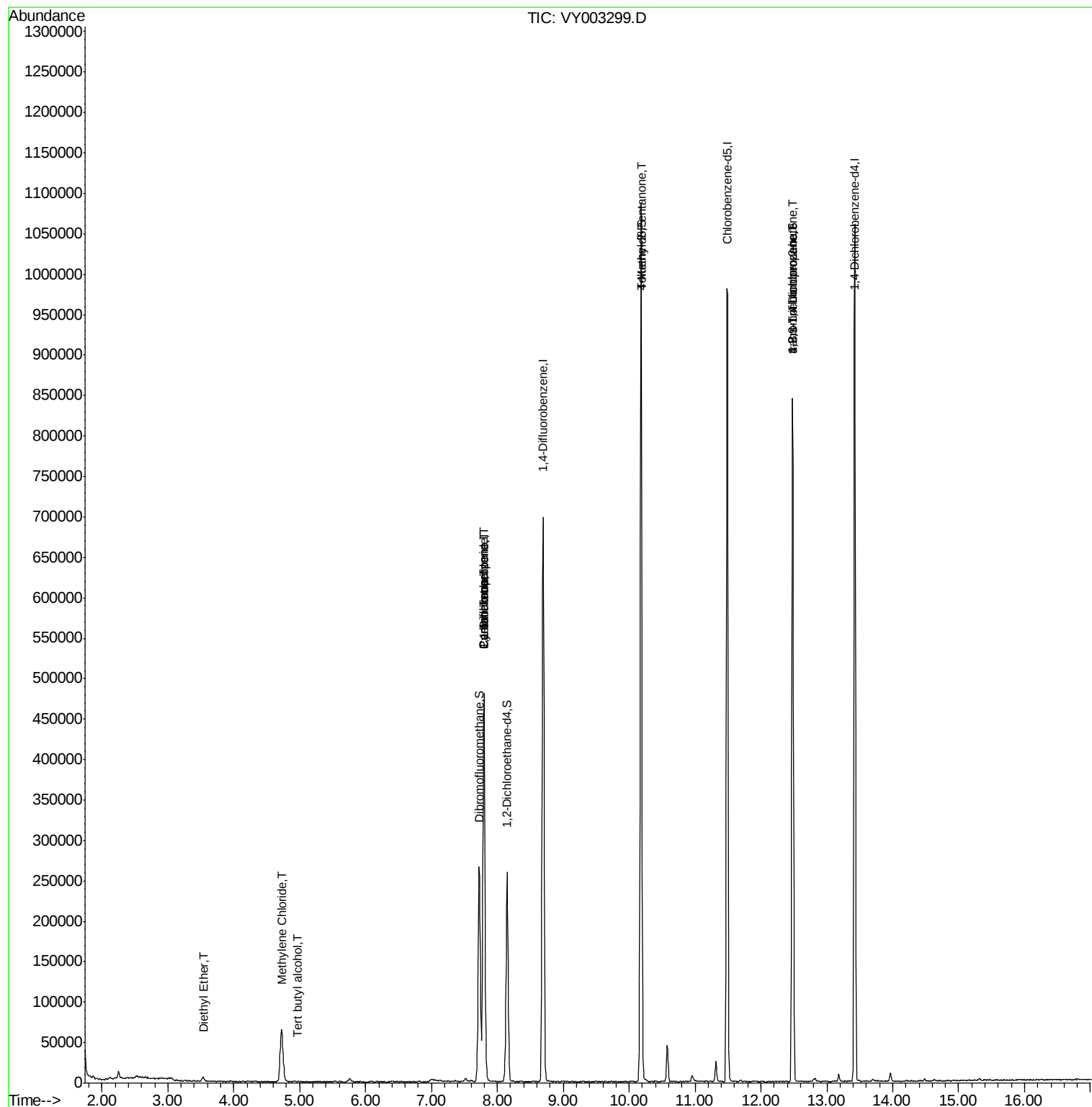
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	387486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	596213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	552216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	270568	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	196426	60.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.12%	
35) Dibromofluoromethane	7.72	113	188278	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
50) Toluene-d8	10.18	98	717746	56.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.54%	
62) 4-Bromofluorobenzene	12.48	95	235555	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
Target Compounds						
8) Diethyl Ether	3.54	74	2847	1.505	ug/l	56
11) Tert butyl alcohol	4.97	59	437	1.236	ug/l	97
20) Methylene Chloride	4.72	84	49962	9.097	ug/l	97
31) Cyclohexane	7.80	56	7047	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	27610	5.110	ug/l #	50
38) Carbon Tetrachloride	7.80	117	34509	6.186	ug/l #	17
51) 4-Methyl-2-Pentanone	10.18	43	3291	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	122145	51.000	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	122145	99.256	ug/l #	13

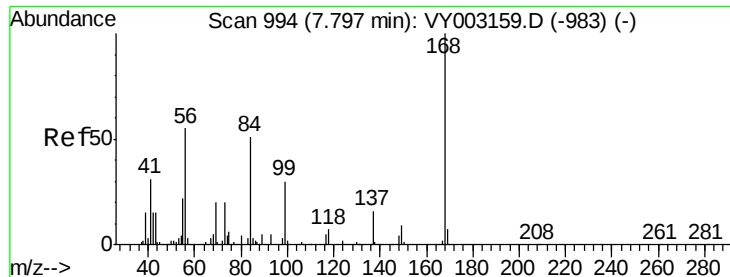
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 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: VY003299.D

Acq: 22 Jul 2020 19:33

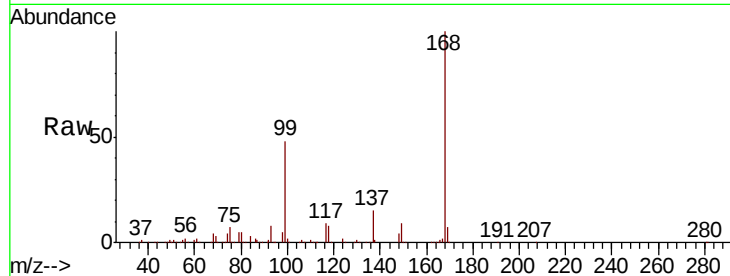
Instrument :
MSVOA_Y
ClientSampled :
15

Tot Ion:168 Resp: 387486

Ion Ratio Lower Upper

168 100

99 48.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003299.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003299.D (-945) (-)

7.80

200000

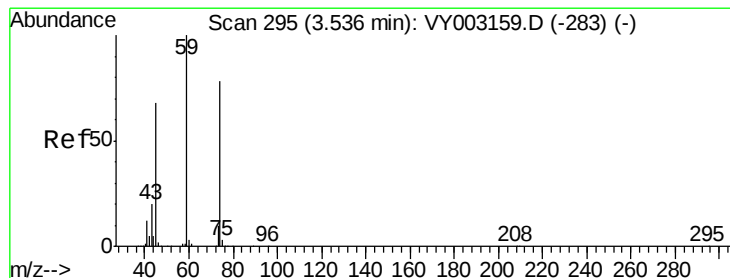
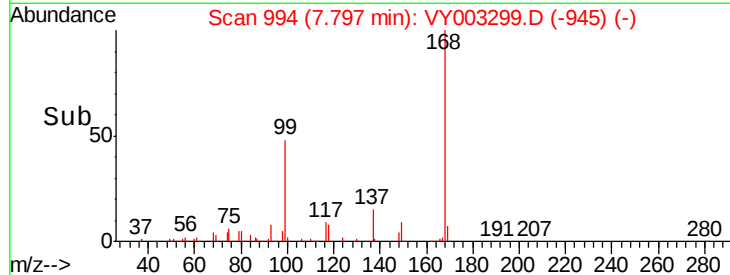
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.505 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY003299.D

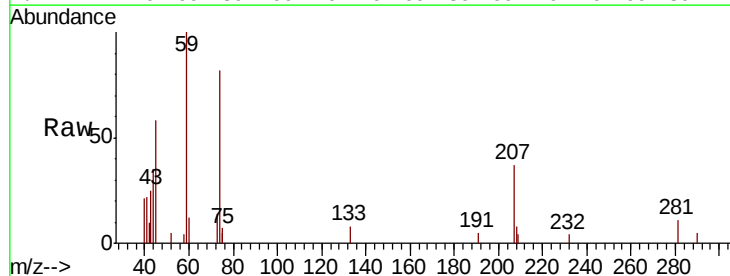
Acq: 22 Jul 2020 19:33

Tgt Ion: 74 Resp: 2847

Ion Ratio Lower Upper

74 100

45 132.1 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003299.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003299.D (-246) (-)

3.54

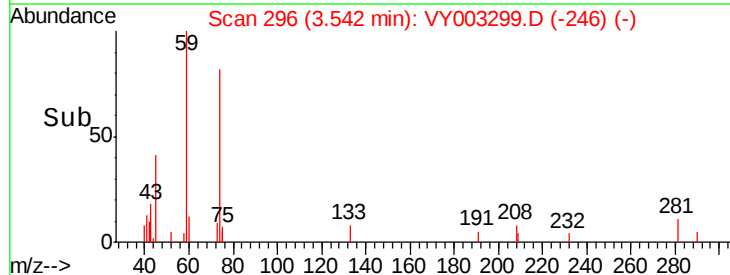
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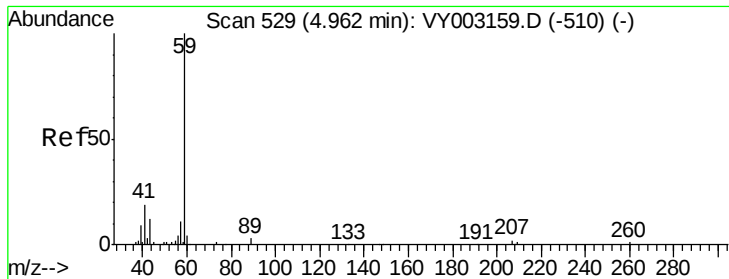
1000

500

0

Time-->

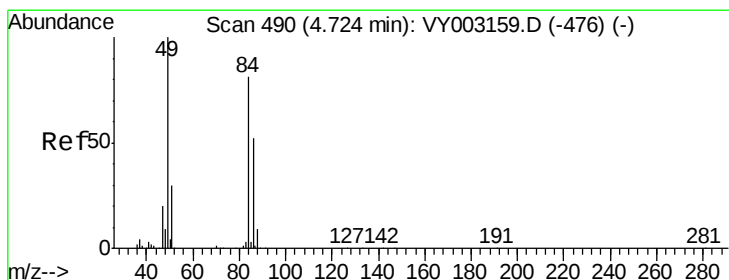
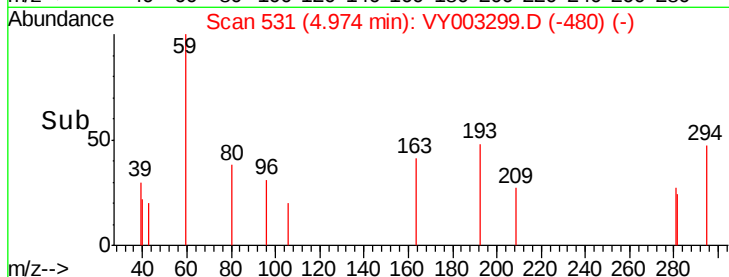
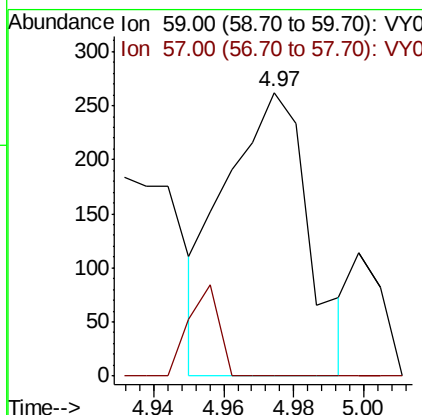
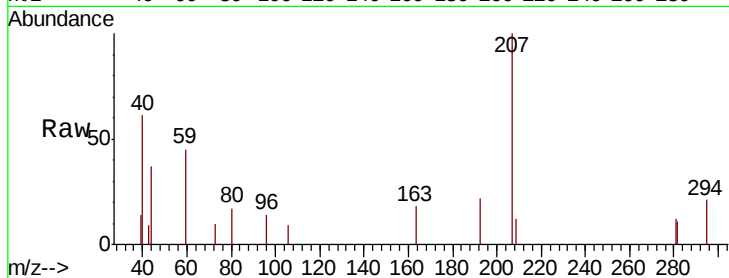




#11
Tert butyl alcohol
Concen: 1.236 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY003299.D
Acq: 22 Jul 2020 19:33

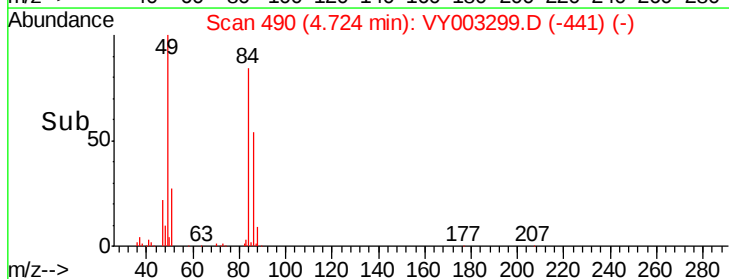
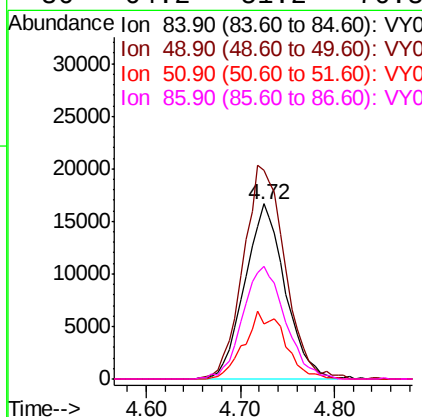
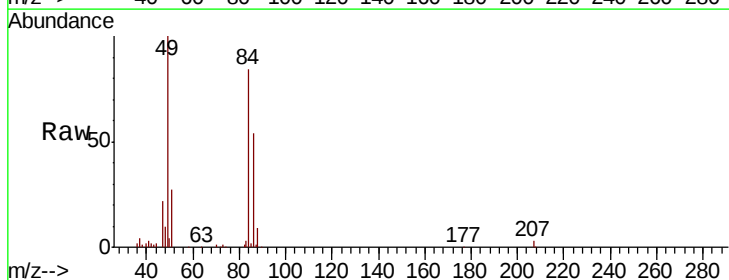
Instrument :
MSVOA_Y
ClientSampled :
15

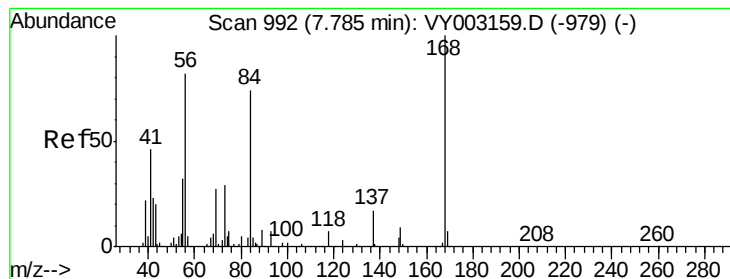
Tot Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 11.4 8.4 12.6



#20
Methylene Chloride
Concen: 9.097 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003299.D
Acq: 22 Jul 2020 19:33

Tgt Ion: 84 Resp: 49962
Ion Ratio Lower Upper
84 100
49 119.0 98.2 147.4
51 31.7 29.8 44.6
86 64.2 51.2 76.8





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003299.D

Acq: 22 Jul 2020 19:33

Instrument :
MSVOA_Y
ClientSampled :
15

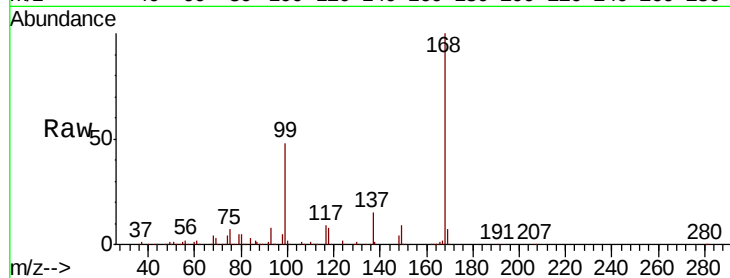
Tot Ion: 56 Resp: 7047

Ion Ratio Lower Upper

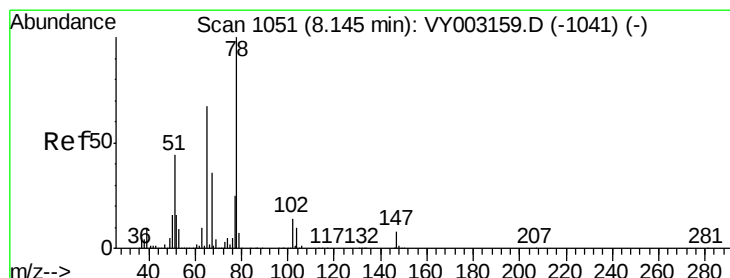
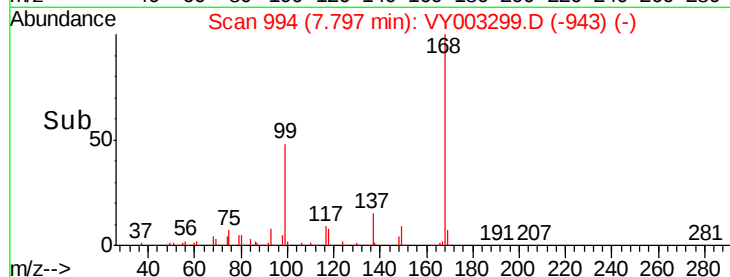
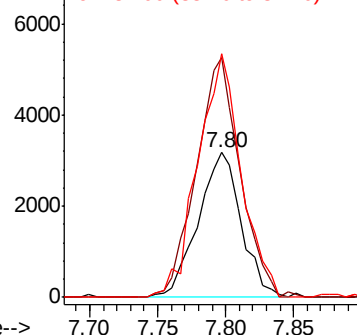
56 100

69 165.1 26.7 40.1#

84 168.0 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: 60.060 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003299.D

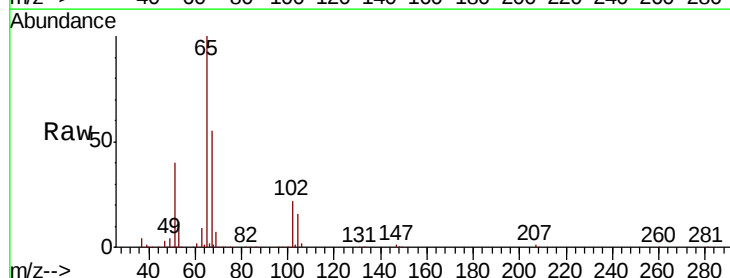
Acq: 22 Jul 2020 19:33

Tgt Ion: 65 Resp: 196426

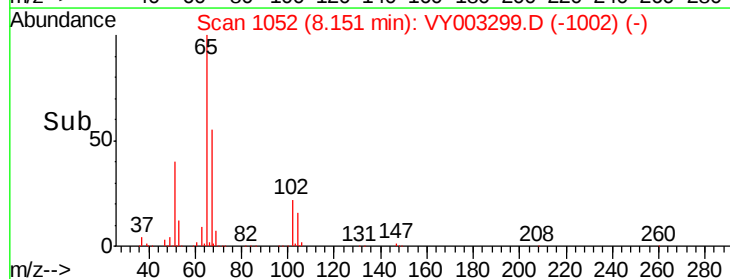
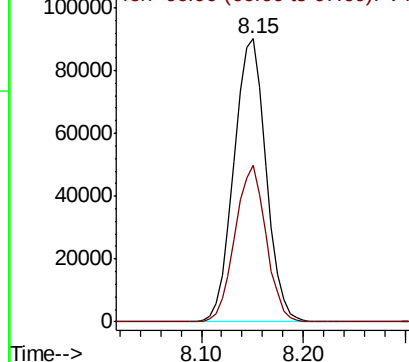
Ion Ratio Lower Upper

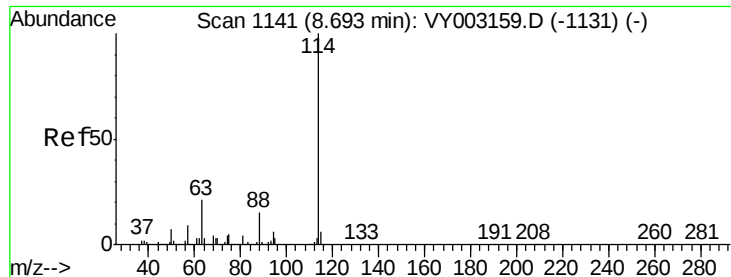
65 100

67 53.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

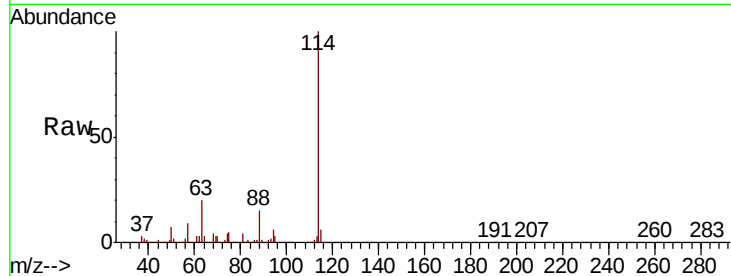




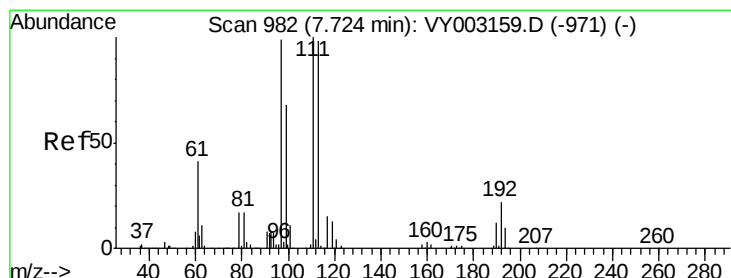
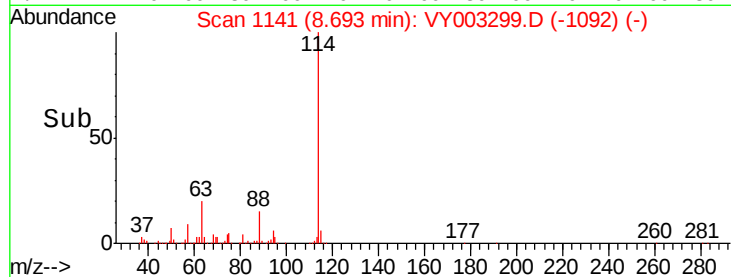
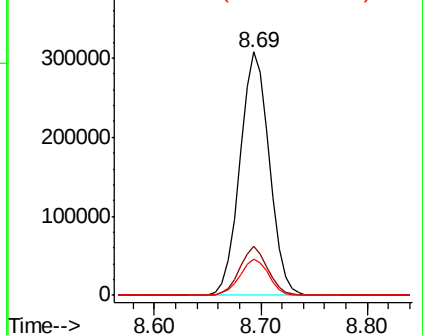
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003299.D
 Acq: 22 Jul 2020 19:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 15

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.2
88	14.8	0.0	30.2

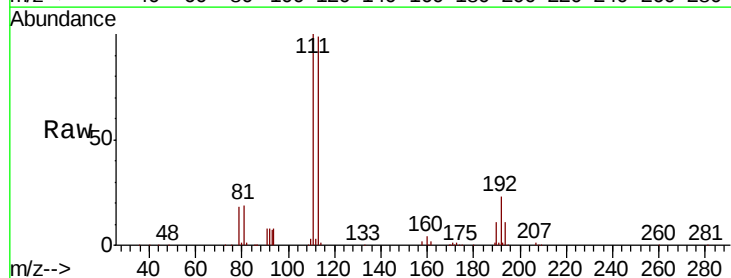


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

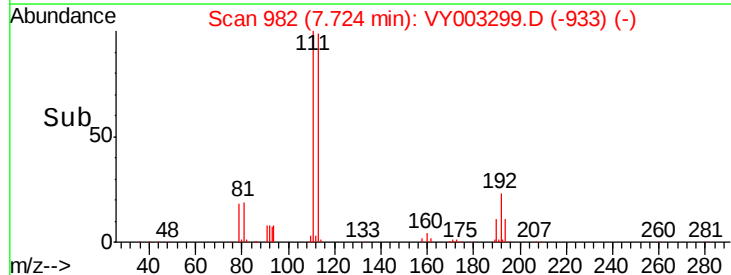
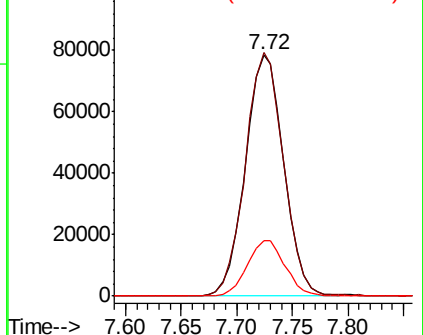


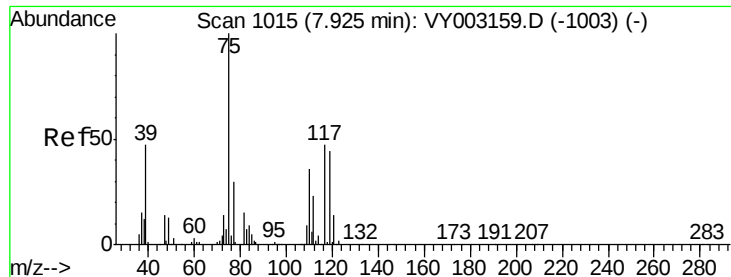
#35
 Dibromofluoromethane
 Concen: 54.875 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003299.D
 Acq: 22 Jul 2020 19:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	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

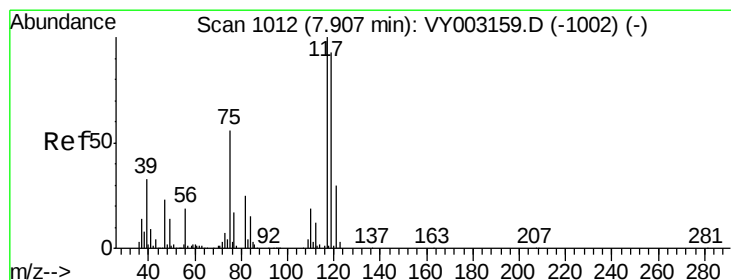
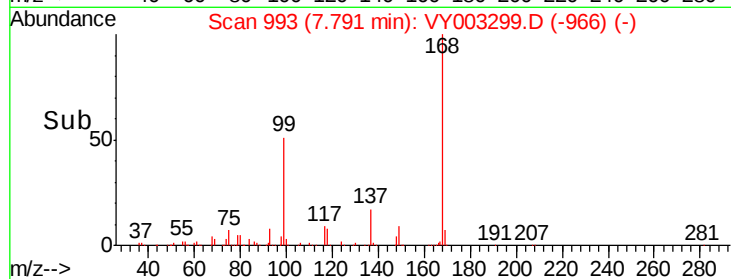
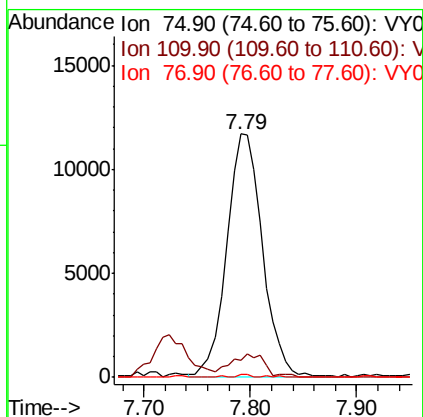
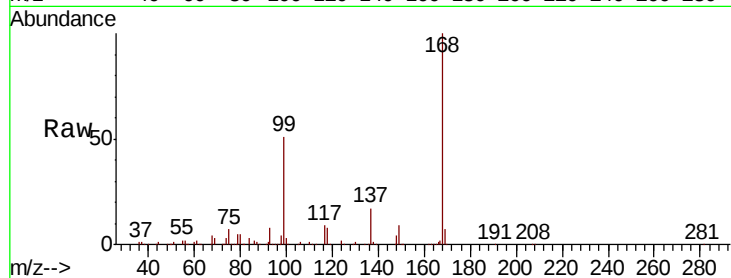




#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003299.D
 Acq: 22 Jul 2020 19:33

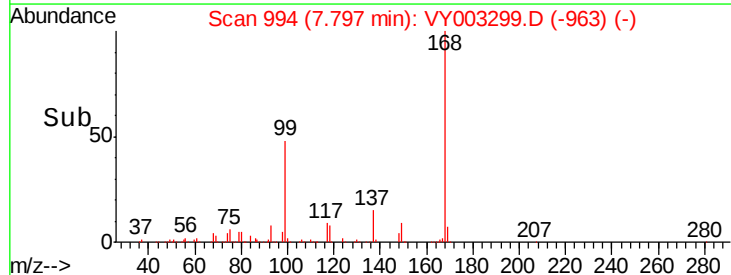
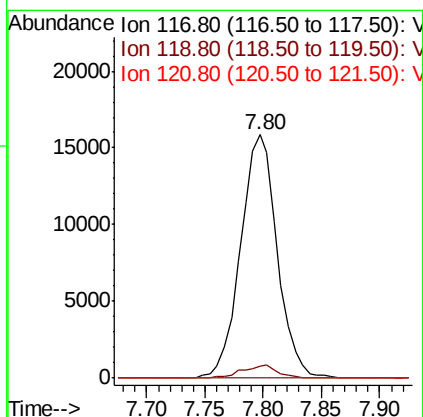
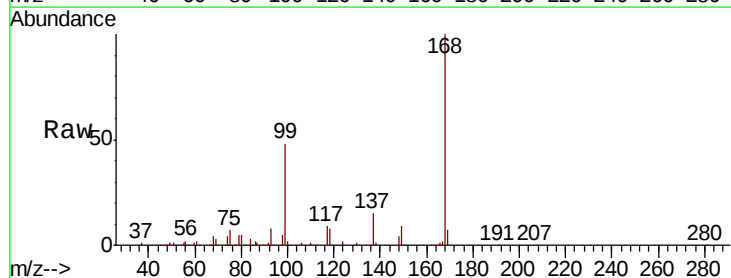
Instrument :
 MSVOA_Y
 ClientSampleId :
 15

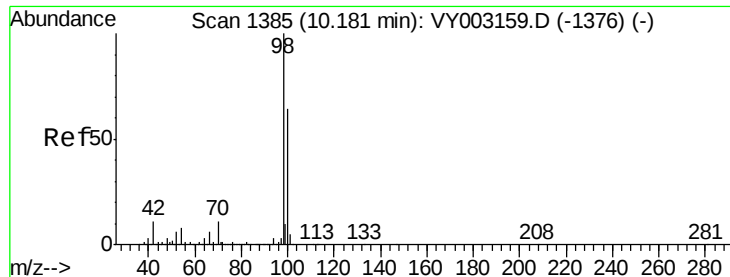
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.186 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003299.D
 Acq: 22 Jul 2020 19:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 56.267 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003299.D

Acq: 22 Jul 2020 19:33

Instrument :

MSVOA_Y

ClientSampleId :

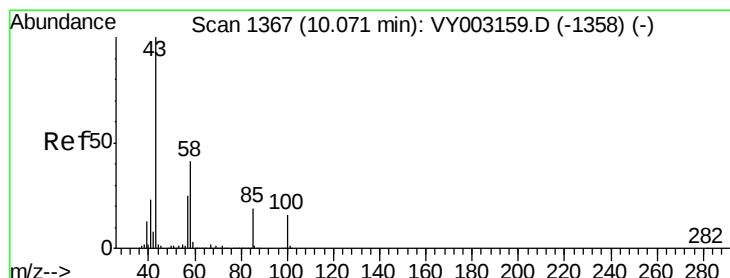
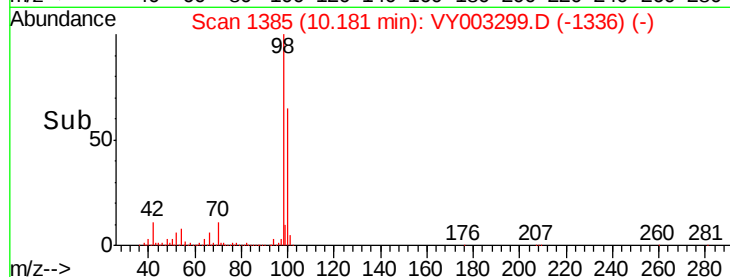
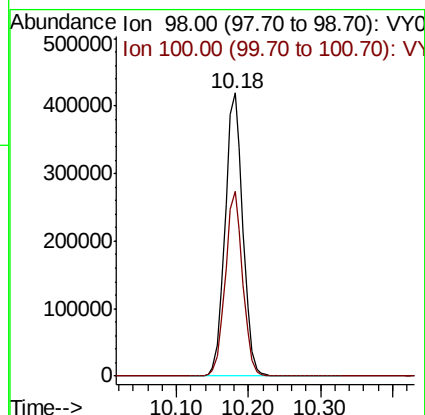
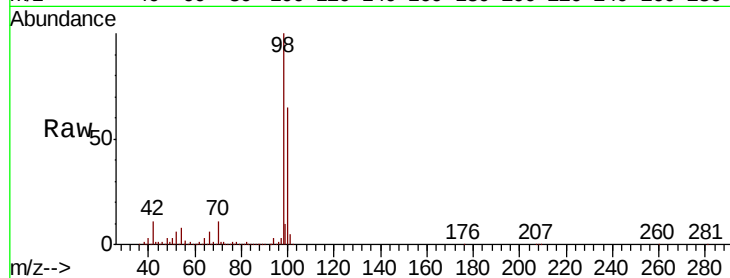
15

Tot Ion: 98 Resp: 717746

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 1.124 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY003299.D

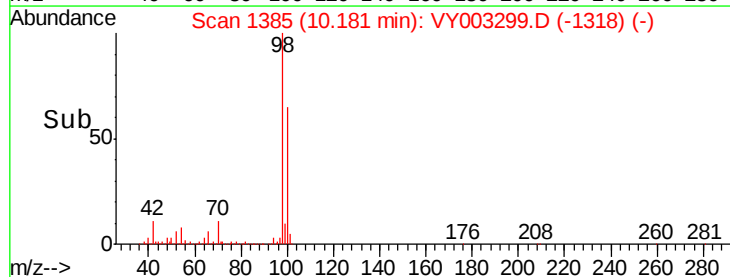
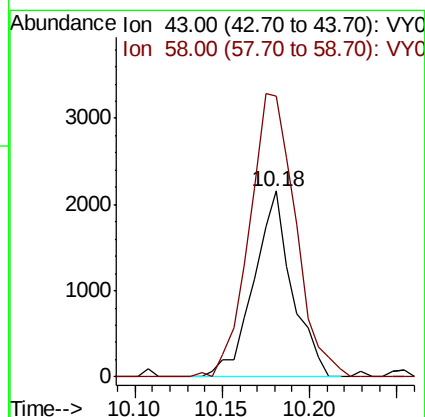
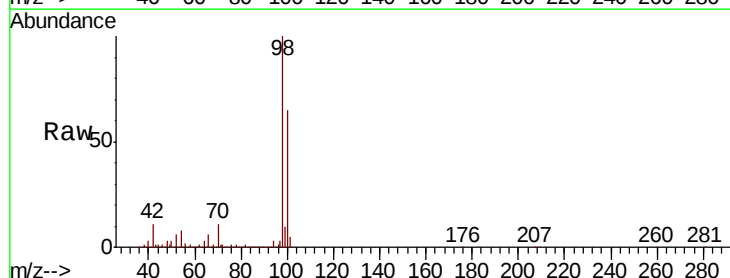
Acq: 22 Jul 2020 19:33

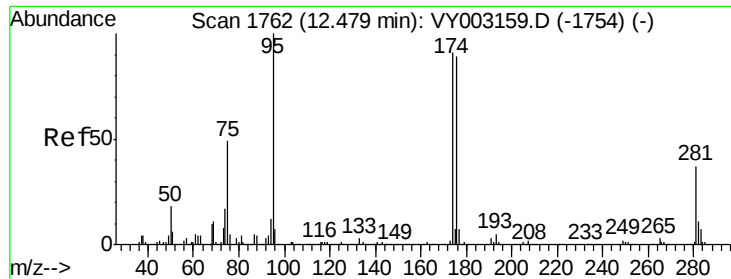
Tgt Ion: 43 Resp: 3291

Ion Ratio Lower Upper

43 100

58 184.1 32.7 49.1#





#62

4-Bromofluorobenzene

Concen: 51.116 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003299.D

Acq: 22 Jul 2020 19:33

Instrument :

MSVOA_Y

ClientSampleId :

15

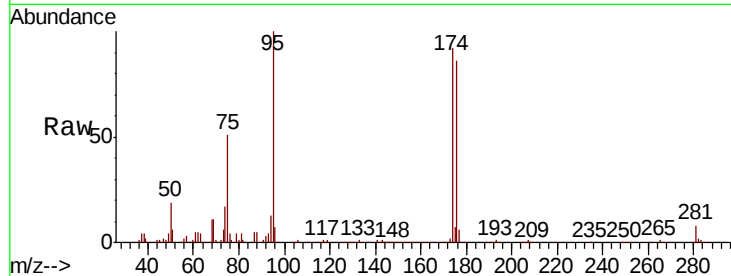
Tot Ion: 95 Resp: 235555

Ion Ratio Lower Upper

95 100

174 95.6 0.0 190.6

176 91.6 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003299.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003299.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003299.D (-1754) (-)

12.48

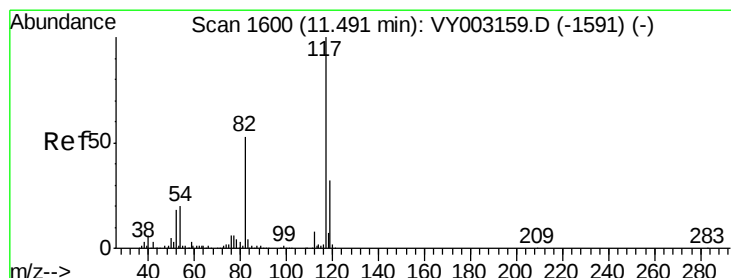
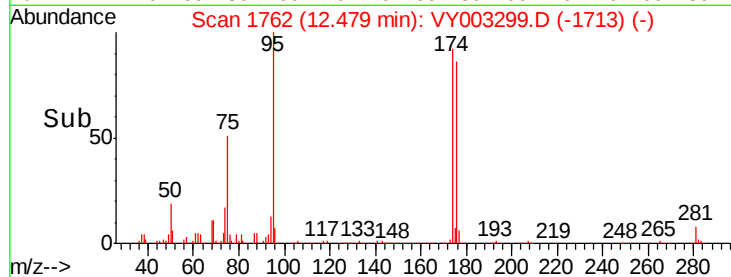
150000

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: VY003299.D

Acq: 22 Jul 2020 19:33

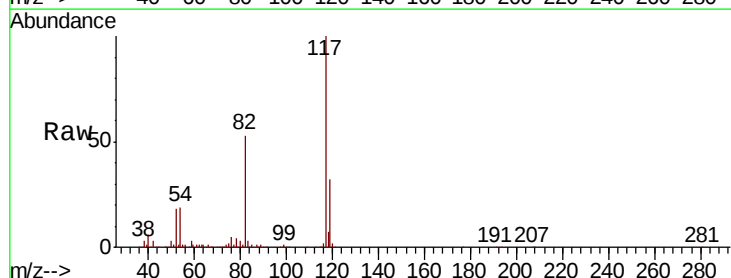
Tgt Ion: 117 Resp: 552216

Ion Ratio Lower Upper

117 100

82 53.3 42.0 63.0

119 31.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VY003299.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003299.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003299.D (-1591) (-)

11.49

400000

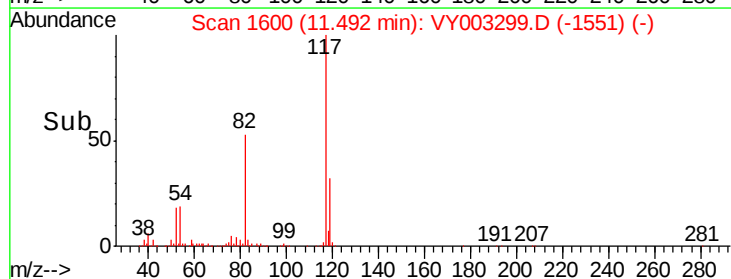
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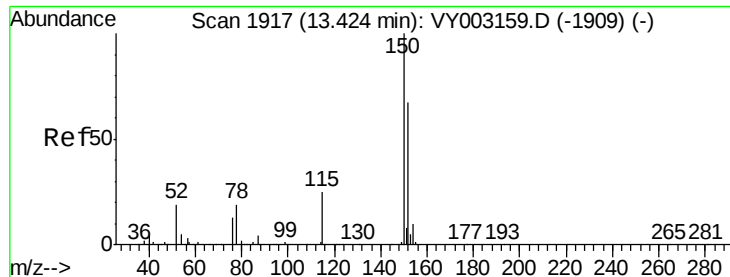
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003299.D

Acq: 22 Jul 2020 19:33

Instrument :

MSVOA_Y

ClientSampleId :

15

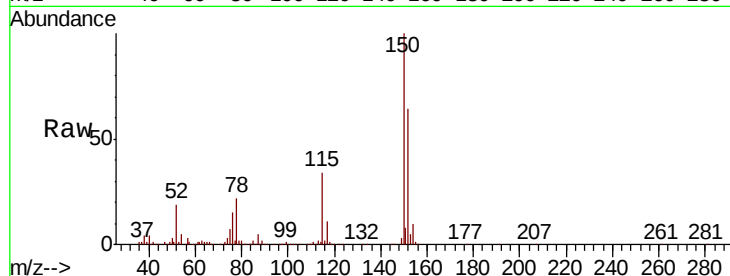
Tot Ion:152 Resp: 270568

Ion Ratio Lower Upper

152 100

115 53.6 26.9 80.7

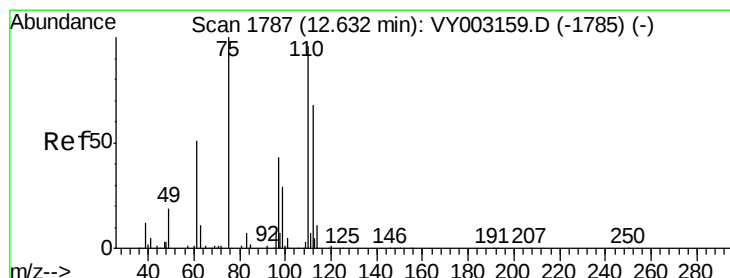
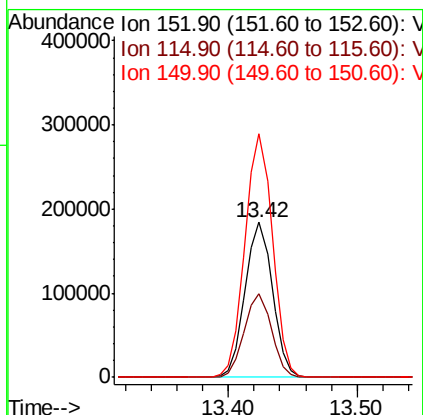
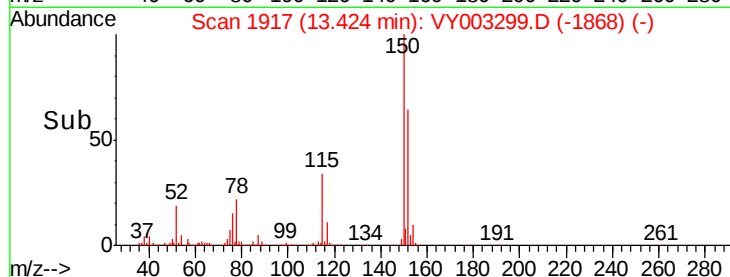
150 158.0 0.0 338.0



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: 51.000 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003299.D

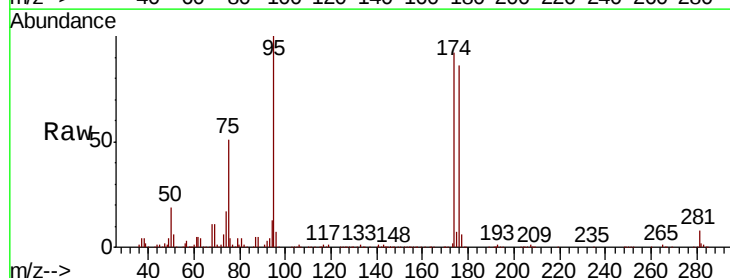
Acq: 22 Jul 2020 19:33

Tgt Ion: 75 Resp: 122145

Ion Ratio Lower Upper

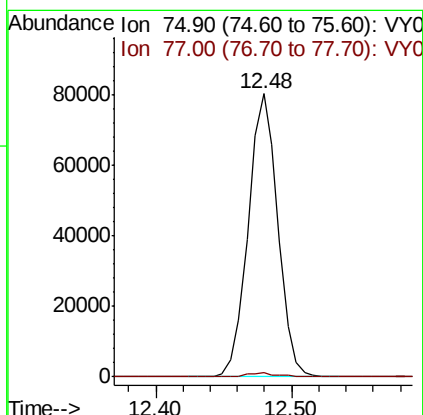
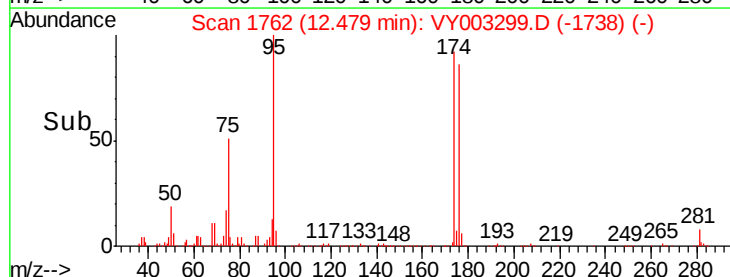
75 100

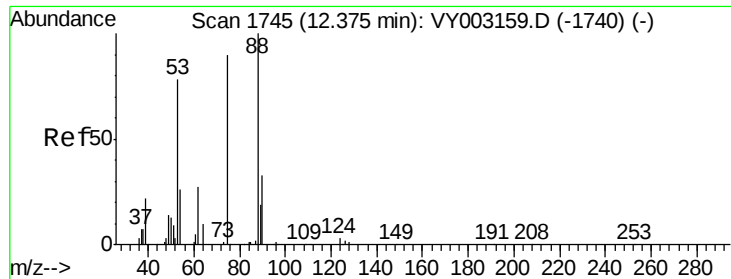
77 1.4 0.0 0.0#



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: 99.256 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003299.D

Acq: 22 Jul 2020 19:33

Instrument :

MSVOA_Y

ClientSampleId :

15

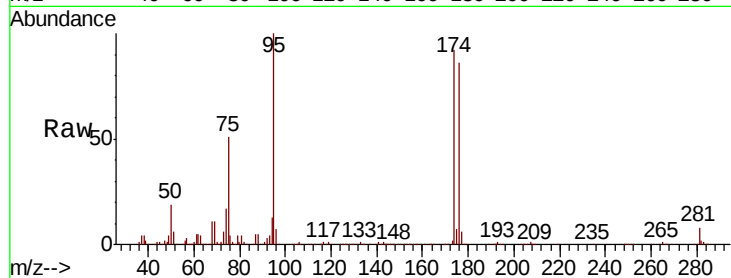
Tot Ion: 75 Resp: 122145

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.1 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

