

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003358.D
 Acq On : 27 Jul 2020 16:15
 Operator : SY/MD
 Sample : L3434-03
 Misc : 7.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11936

Quant Time: Jul 28 05:05:47 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

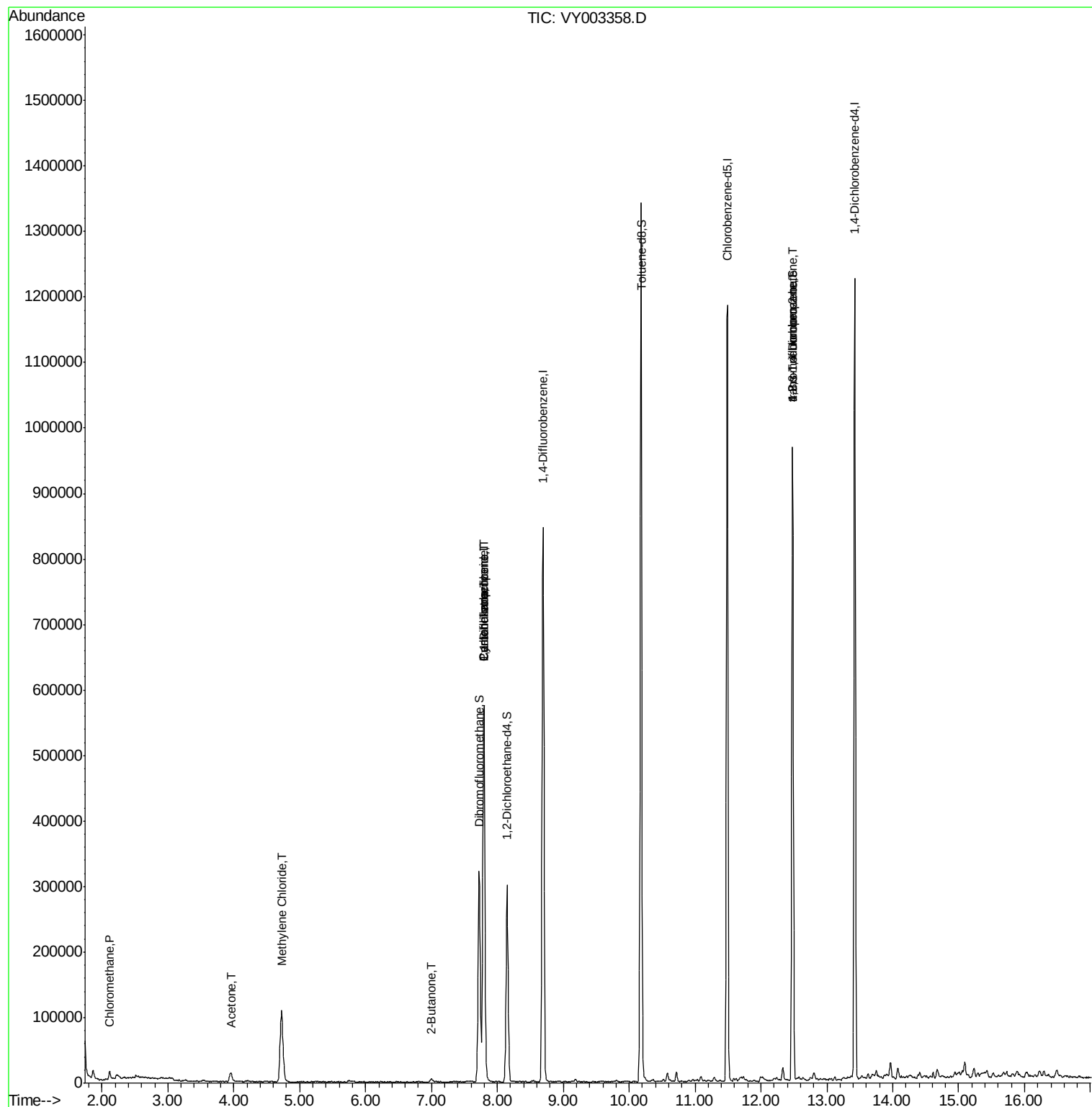
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	476220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	732955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	663484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	311033	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	226185	56.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.54%	
35) Dibromofluoromethane	7.72	113	223060	52.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.76%	
50) Toluene-d8	10.18	98	884975	56.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.86%	
62) 4-Bromofluorobenzene	12.48	95	277956	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	10926	2.308	ug/l	100
16) Acetone	3.96	43	23944	26.669	ug/l	98
20) Methylene Chloride	4.72	84	84089	14.739	ug/l	98
25) 2-Butanone	7.00	43	6451	4.376	ug/l	97
31) Cyclohexane	7.80	56	8234	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	33007	4.969	ug/l #	49
38) Carbon Tetrachloride	7.80	117	42940	6.261	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	143170	52.002	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	143170	101.205	ug/l #	13

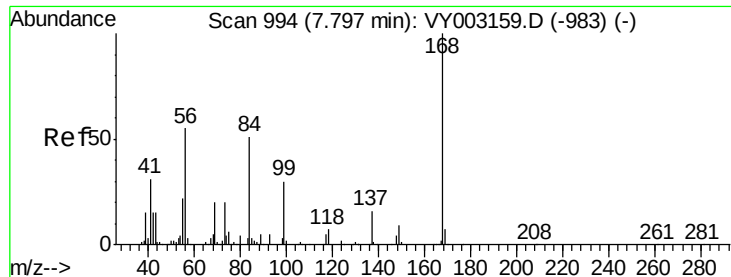
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003358.D

Acq: 27 Jul 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

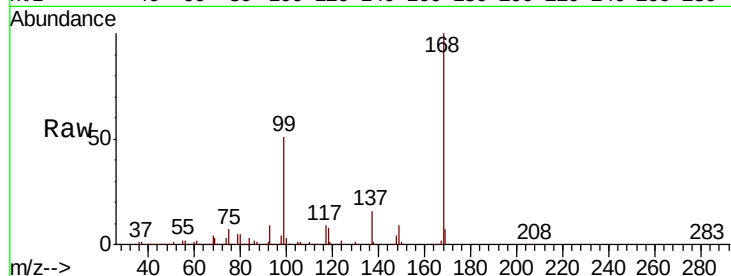
11936

Tot Ion:168 Resp: 476220

Ion Ratio Lower Upper

168 100

99 50.7 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

200000

150000

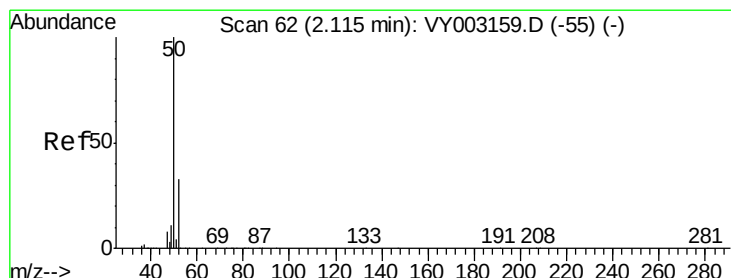
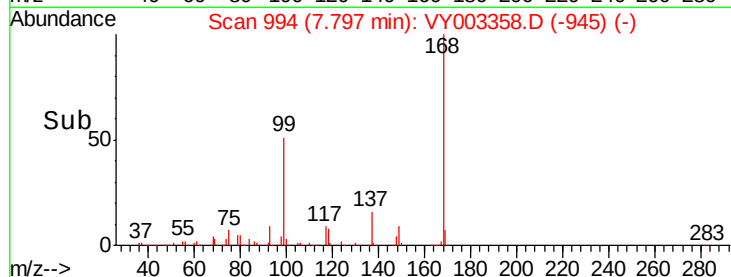
100000

50000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 2.308 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003358.D

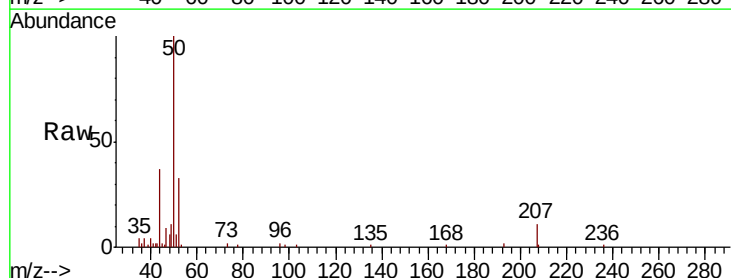
Acq: 27 Jul 2020 16:15

Tgt Ion: 50 Resp: 10926

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003159.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY003159.D (-55) (-)

2.12

8000

6000

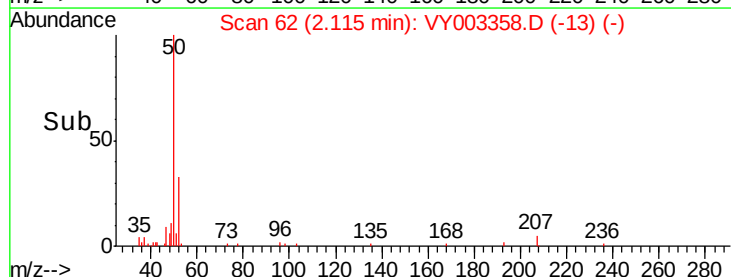
4000

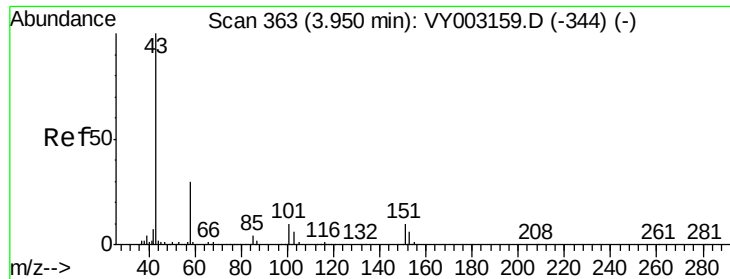
2000

0

2.05 2.10 2.15 2.20

Time-->





#16

Acetone

Concen: 26.669 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003358.D

Acq: 27 Jul 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

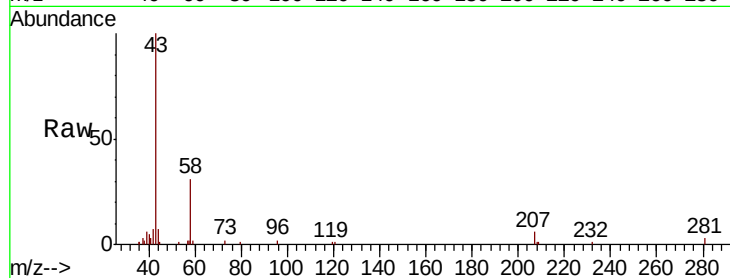
11936

Tot Ion: 43 Resp: 23944

Ion Ratio Lower Upper

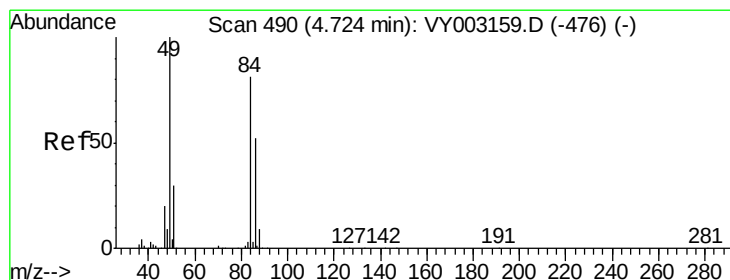
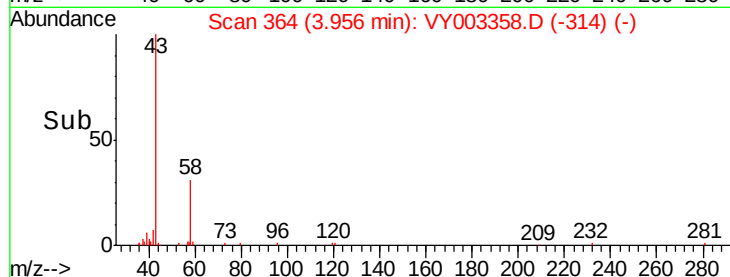
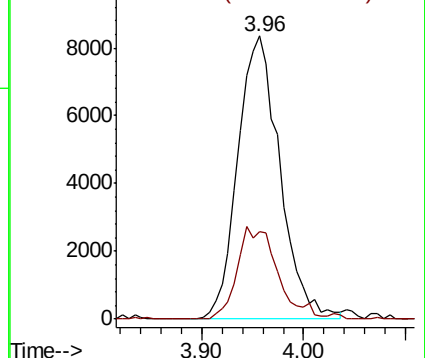
43 100

58 30.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 14.739 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003358.D

Acq: 27 Jul 2020 16:15

Tgt Ion: 84 Resp: 84089

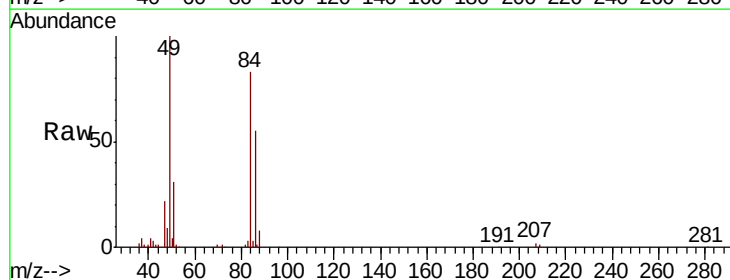
Ion Ratio Lower Upper

84 100

49 120.3 98.2 147.4

51 37.2 29.8 44.6

86 66.0 51.2 76.8

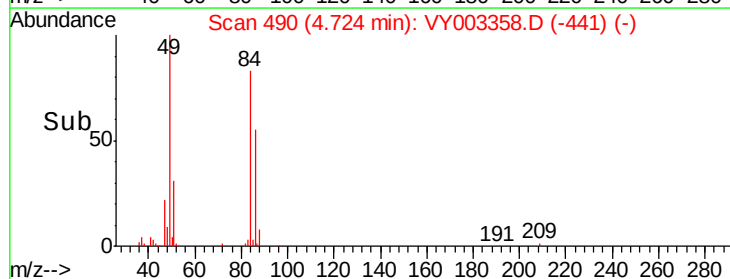
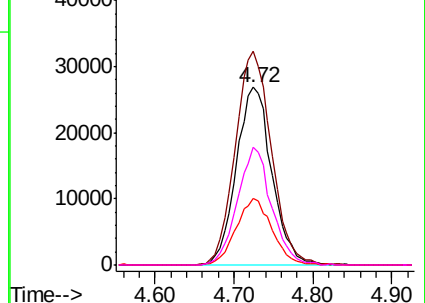


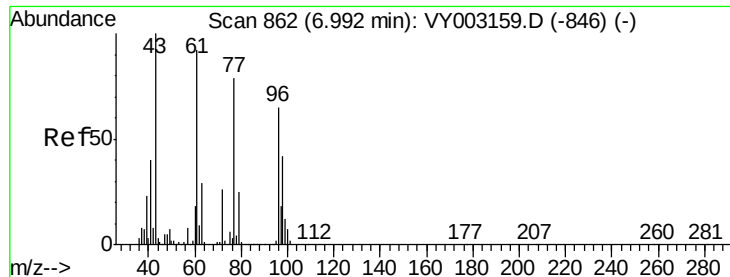
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

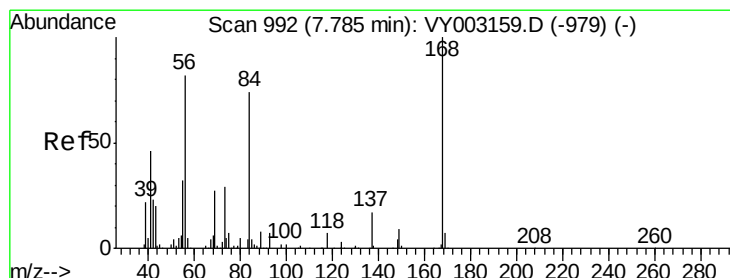
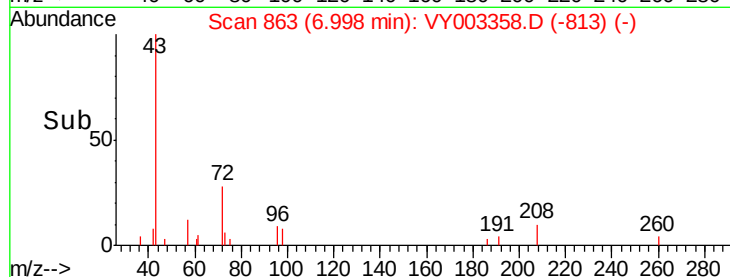
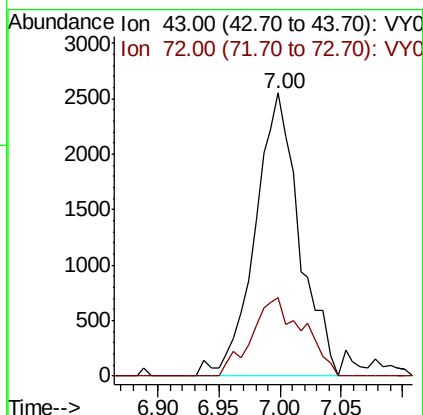
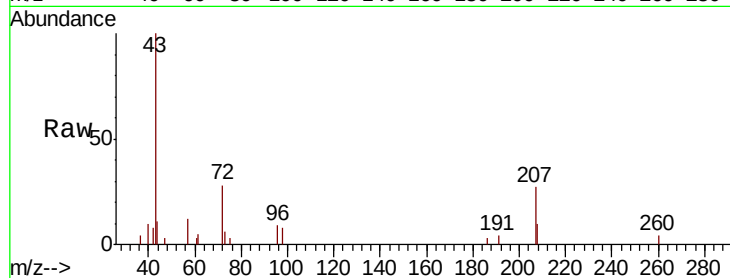




#25
2-Butanone
Concen: 4.376 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003358.D
Acq: 27 Jul 2020 16:15

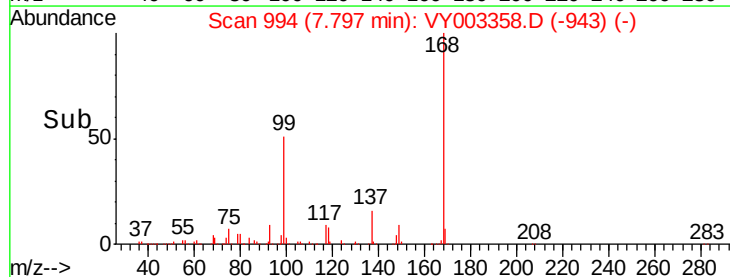
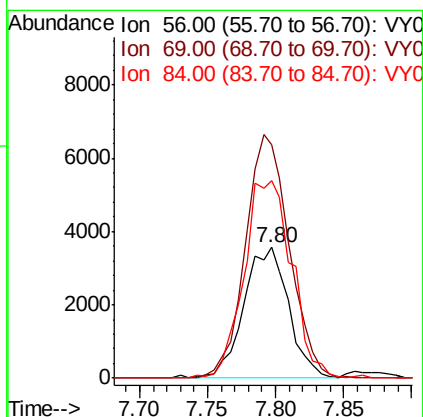
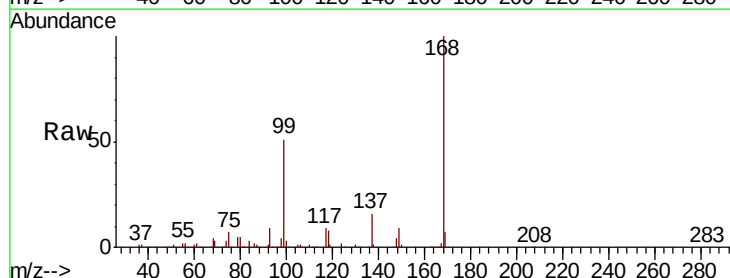
Instrument :
MSVOA_Y
ClientSampleId :
11936

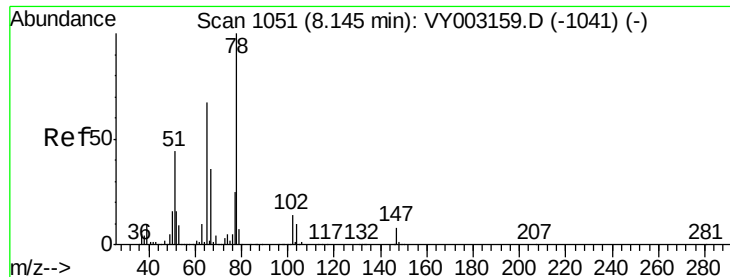
Tot Ion: 43 Resp: 6451
Ion Ratio Lower Upper
43 100
72 27.8 20.9 31.3



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003358.D
Acq: 27 Jul 2020 16:15

Tgt Ion: 56 Resp: 8234
Ion Ratio Lower Upper
56 100
69 178.5 26.7 40.1#
84 151.4 72.3 108.5#

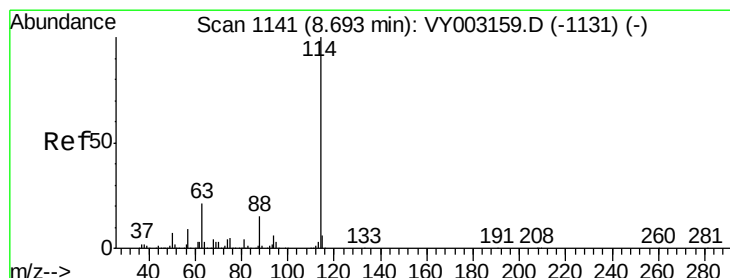
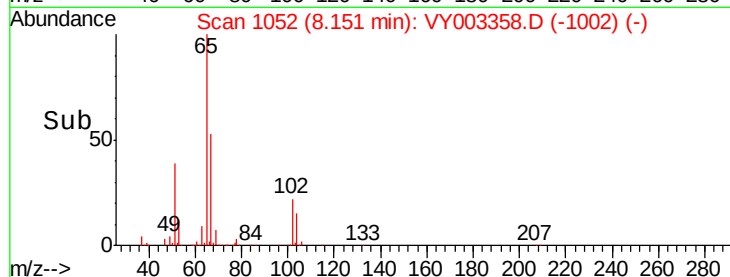
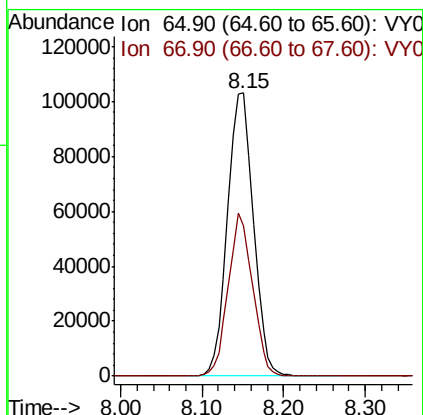
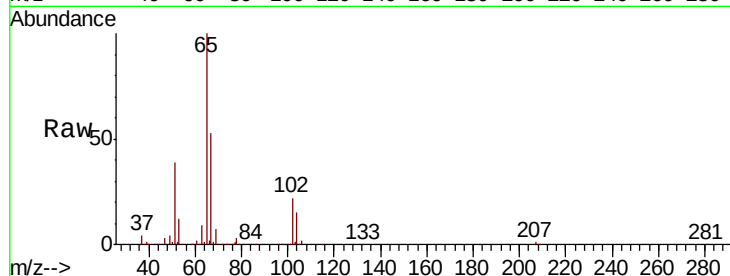




#33
 1,2-Dichloroethane-d4
 Concen: 56.272 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003358.D
 Acq: 27 Jul 2020 16:15

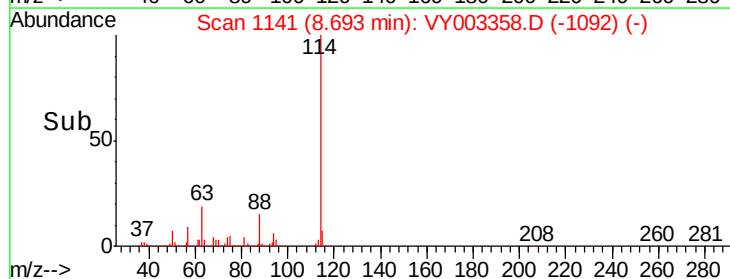
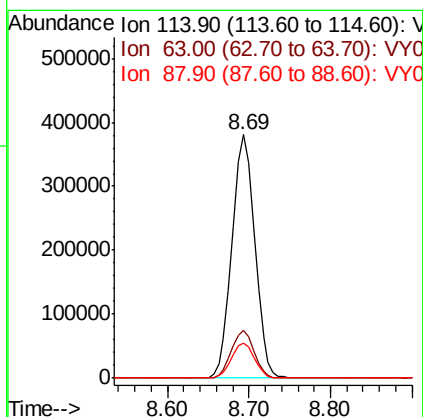
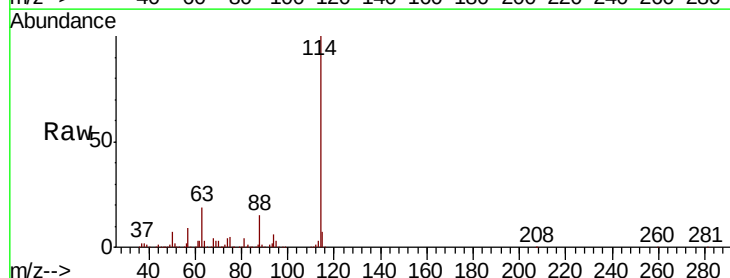
Instrument :
 MSVOA_Y
 ClientSampleId :
 11936

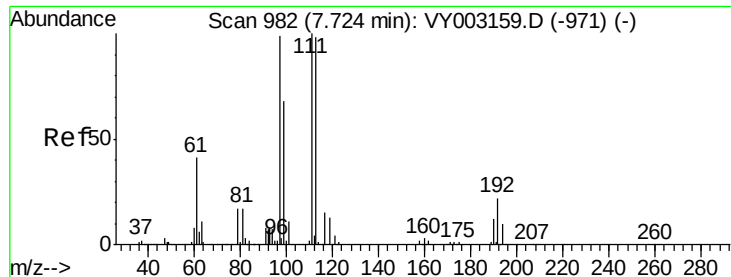
Tot Ion: 65 Resp: 226185
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003358.D
 Acq: 27 Jul 2020 16:15

Tgt Ion: 114 Resp: 732955
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.2
 88 14.6 0.0 30.2

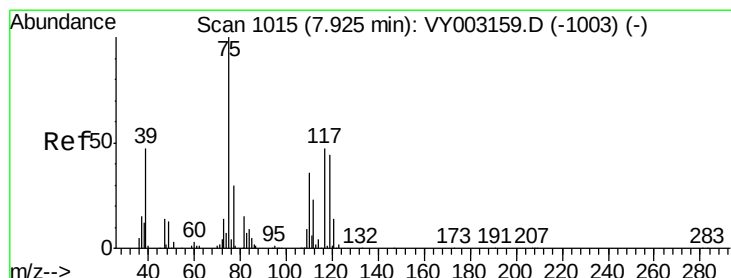
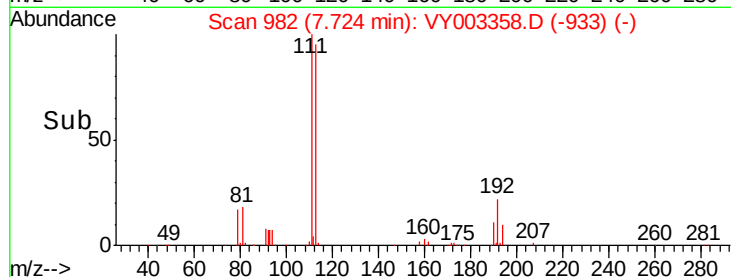
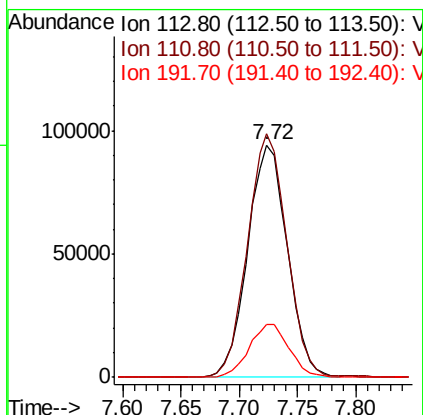
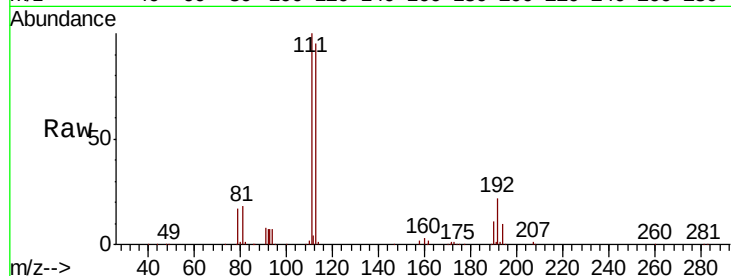




#35
 Dibromofluoromethane
 Concen: 52.883 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003358.D
 Acq: 27 Jul 2020 16:15

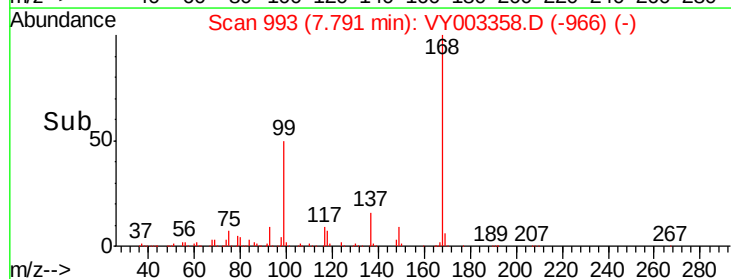
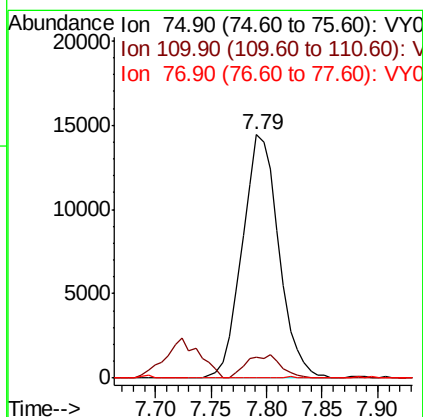
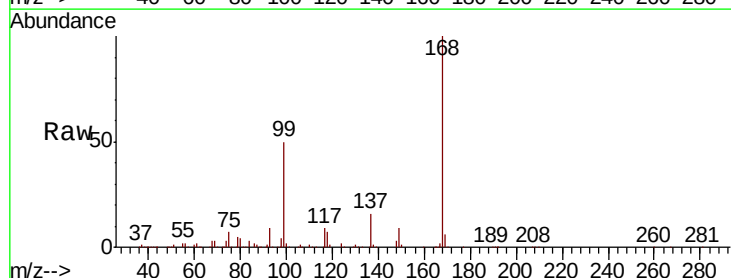
Instrument :
 MSVOA_Y
 ClientSampled :
 11936

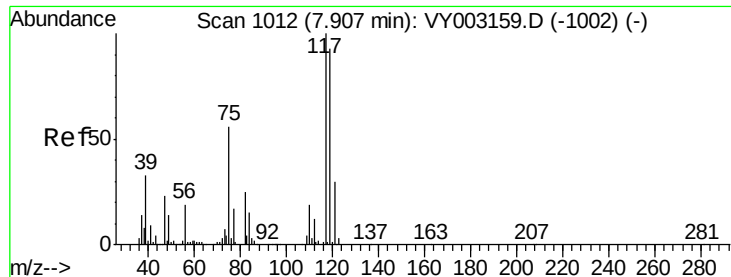
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.1	123.1
192	23.1	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003358.D
 Acq: 27 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.261 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003358.D

Acq: 27 Jul 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

11936

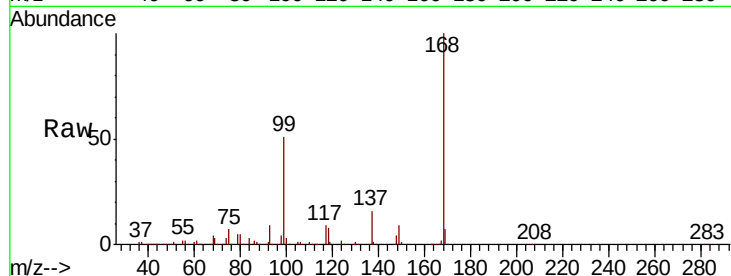
Tot Ion:117 Resp: 42940

Ion Ratio Lower Upper

117 100

119 5.7 74.5 111.7#

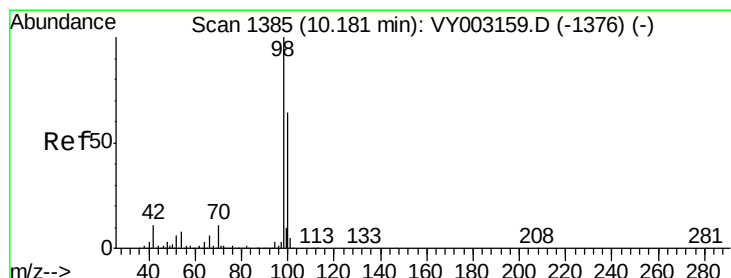
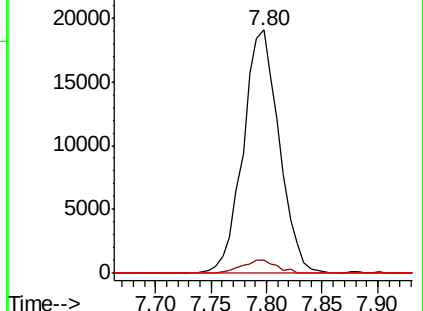
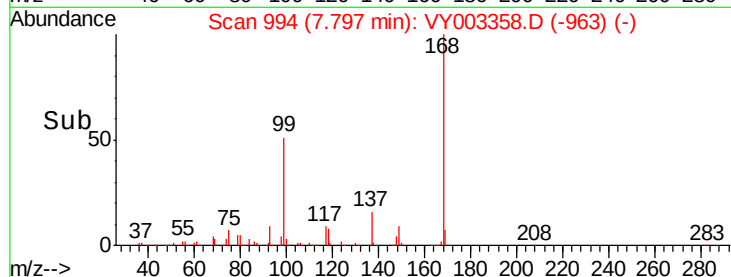
121 0.0 24.2 36.2#



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: 56.433 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003358.D

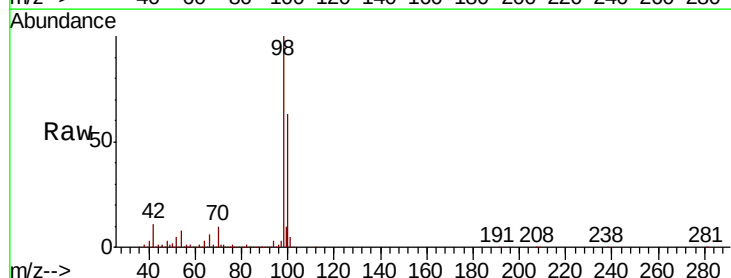
Acq: 27 Jul 2020 16:15

Tgt Ion: 98 Resp: 884975

Ion Ratio Lower Upper

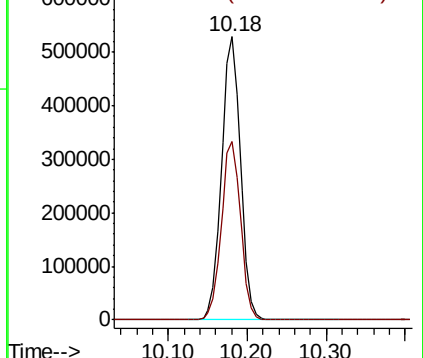
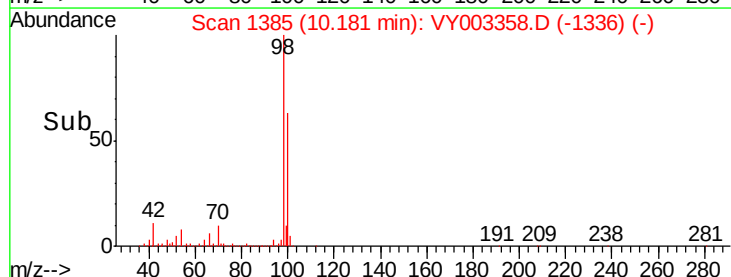
98 100

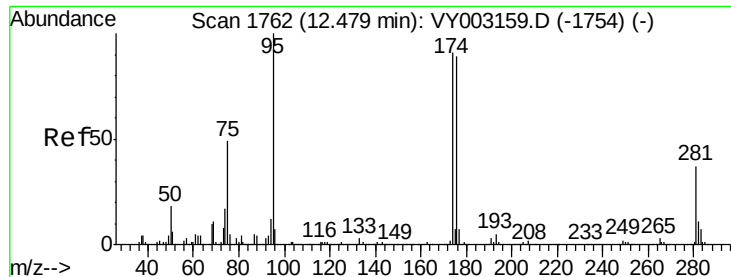
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 49.064 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003358.D

Acq: 27 Jul 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

11936

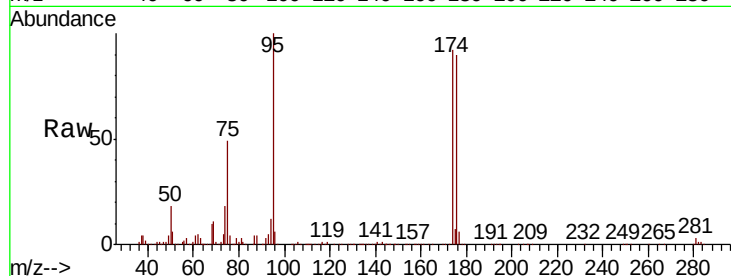
Tot Ion: 95 Resp: 277956

Ion Ratio Lower Upper

95 100

174 95.7 0.0 190.6

176 93.6 0.0 186.4



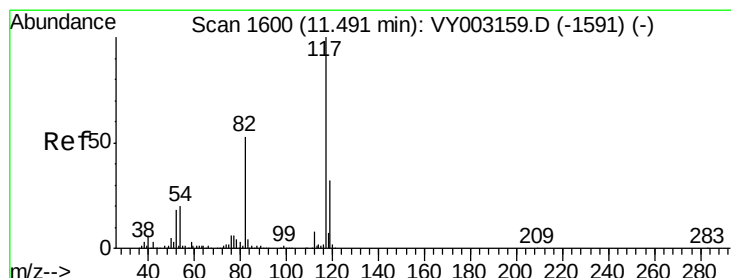
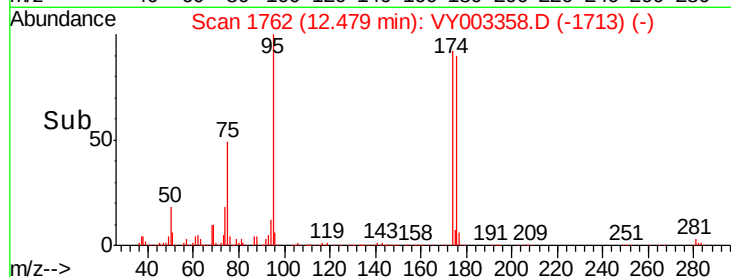
Abundance Ion 94.90 (94.60 to 95.60): VY003358.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003358.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003358.D (-1754) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003358.D

Acq: 27 Jul 2020 16:15

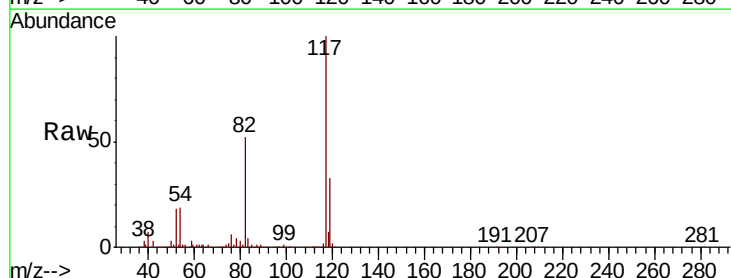
Tgt Ion: 117 Resp: 663484

Ion Ratio Lower Upper

117 100

82 52.3 42.0 63.0

119 33.5 25.5 38.3



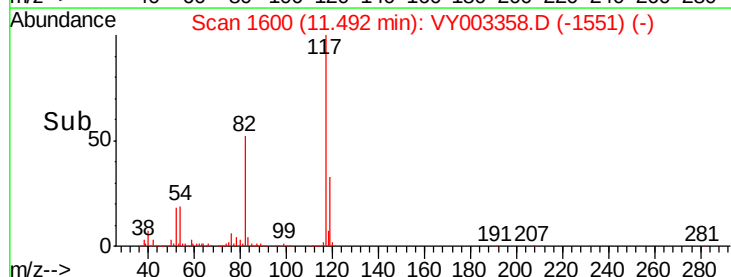
Abundance Ion 116.90 (116.60 to 117.60): VY003358.D (-1591) (-)

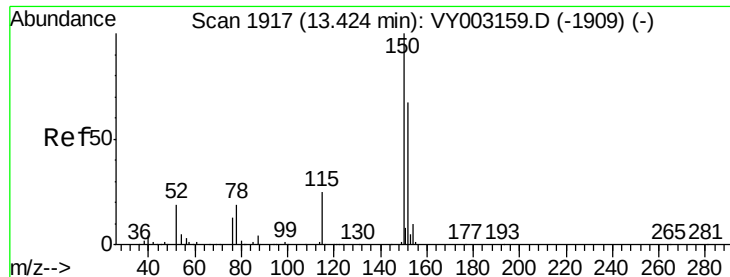
Ion 82.00 (81.70 to 82.70): VY003358.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003358.D (-1591) (-)

11.49

Time-->

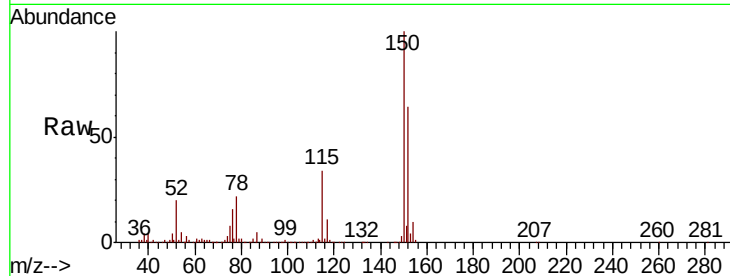




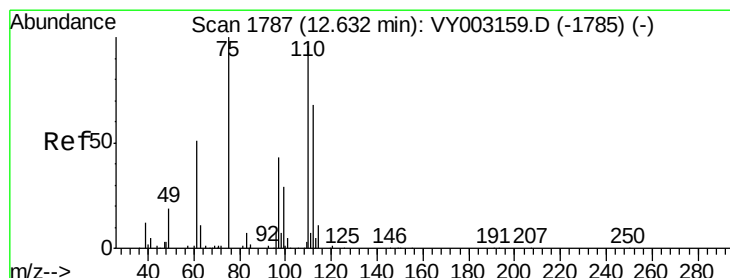
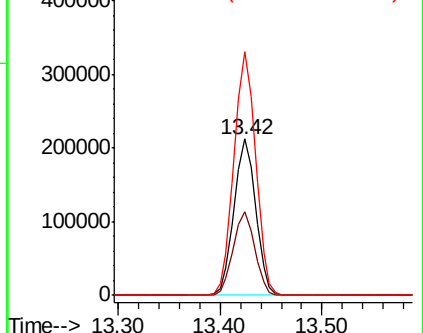
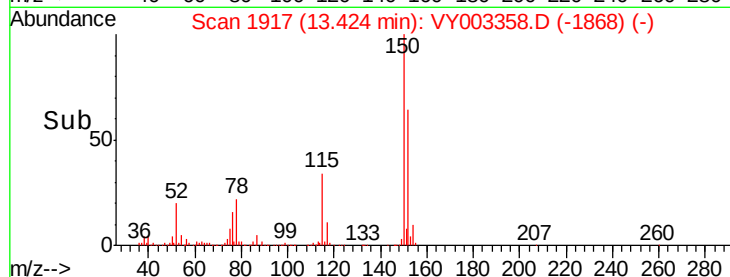
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VY003358.D
 Acq: 27 Jul 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 11936

Tot Ion:152 Resp: 311033
 Ion Ratio Lower Upper
 152 100
 115 53.5 26.9 80.7
 150 155.9 0.0 338.0

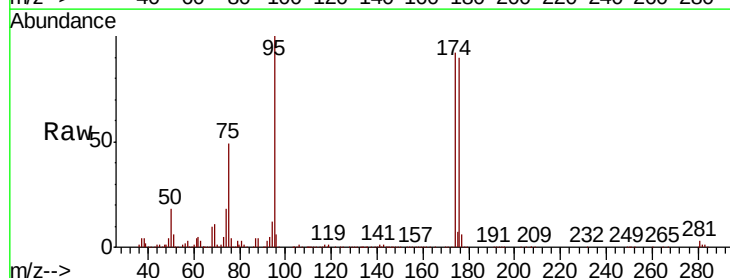


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

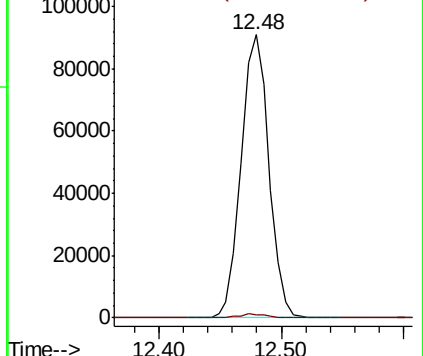
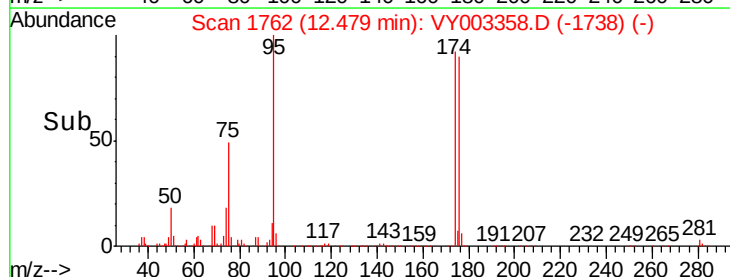


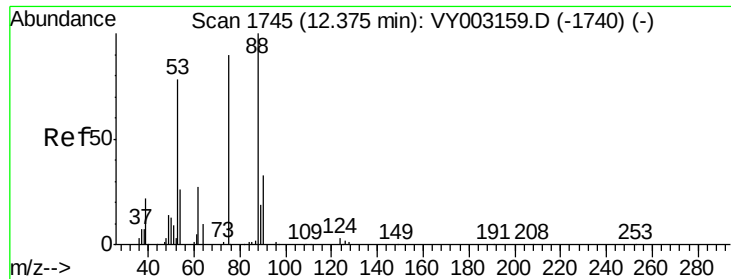
#76
 1,2,3-Trichloropropane
 Concen: 52.002 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003358.D
 Acq: 27 Jul 2020 16:15

Tgt Ion: 75 Resp: 143170
 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: 101.205 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003358.D

Acq: 27 Jul 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

11936

Tot Ion: 75 Resp: 143170

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 37.3 55.9#

