

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003357.D
 Acq On : 27 Jul 2020 15:51
 Operator : SY/MD
 Sample : L3434-01
 Misc : 6.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11986

Quant Time: Jul 28 05:05:36 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

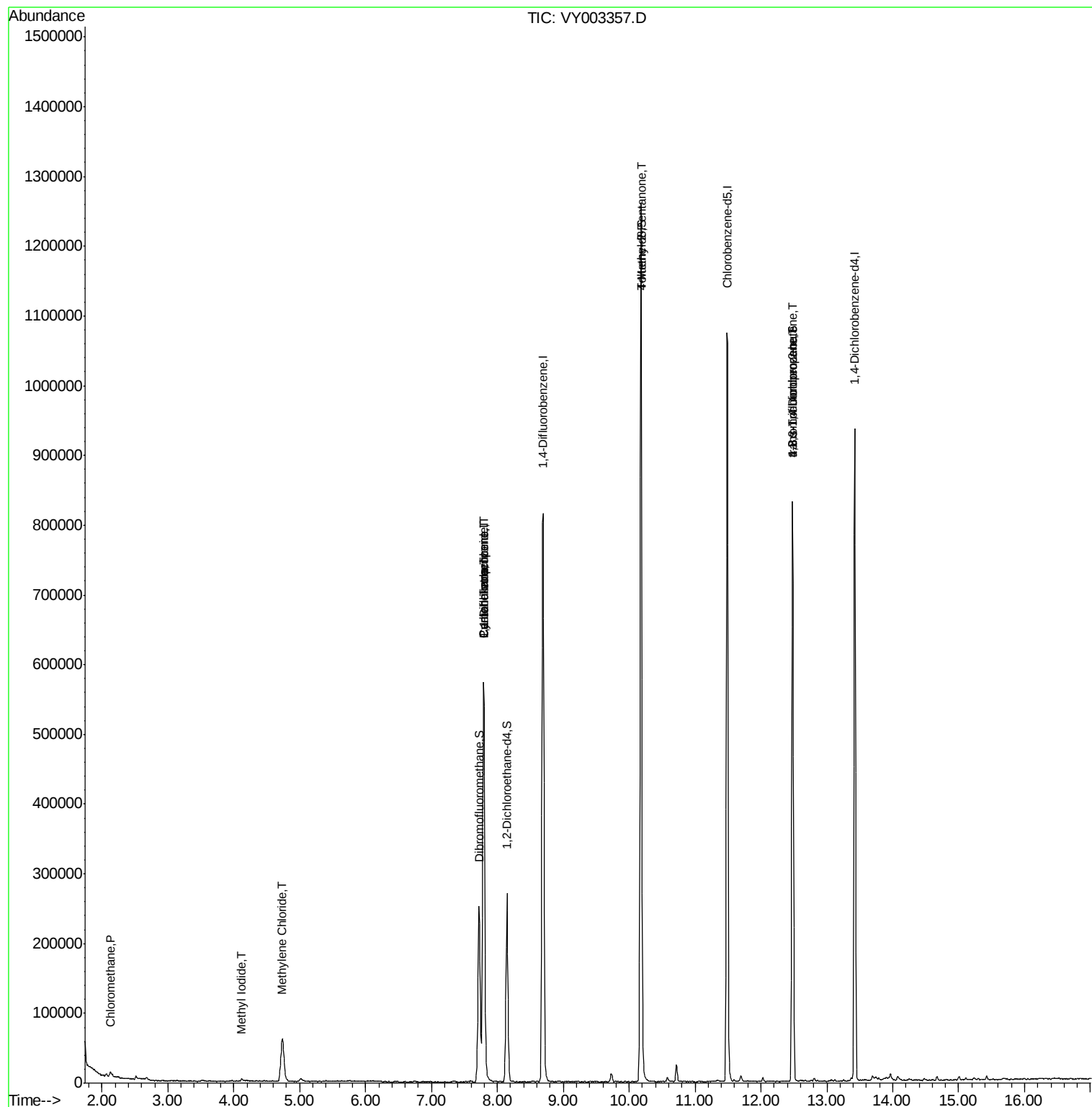
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	482897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	726175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	618497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	244132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	206975	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
35) Dibromofluoromethane	7.72	113	179890	43.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.10%	
50) Toluene-d8	10.18	98	860903	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
62) 4-Bromofluorobenzene	12.48	95	240932	42.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.14	50	6305	1.313	ug/l #	81
10) Methyl Iodide	4.12	142	5958	1.291	ug/l #	68
20) Methylene Chloride	4.74	84	52942	6.811	ug/l	96
31) Cyclohexane	7.79	56	8735	1.178	ug/l #	2
36) 1,1-Dichloropropene	7.79	75	32993	5.013	ug/l #	49
38) Carbon Tetrachloride	7.79	117	41702	6.138	ug/l #	16
51) 4-Methyl-2-Pentanone	10.17	43	3609	1.012	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	123233	57.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	123233	110.984	ug/l #	13

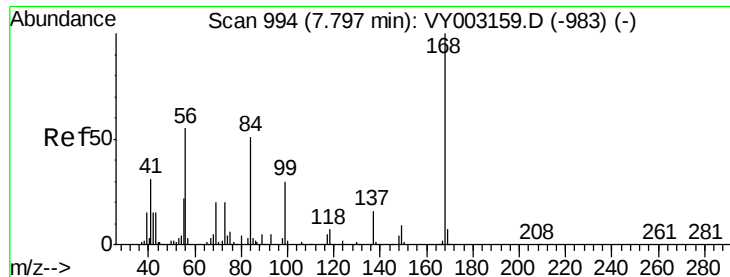
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

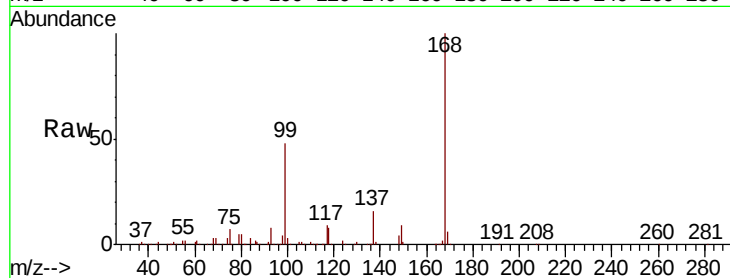
11986

Tot Ion:168 Resp: 482897

Ion Ratio Lower Upper

168 100

99 48.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003357.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003357.D (-945) (-)

7.79

250000

200000

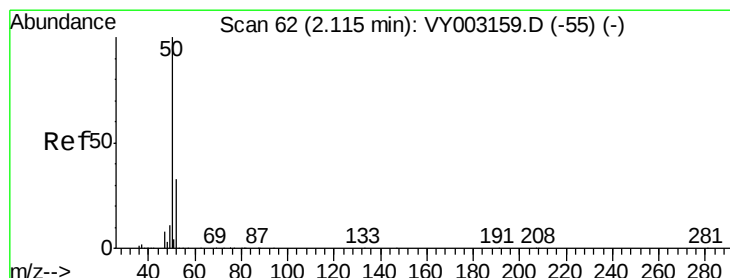
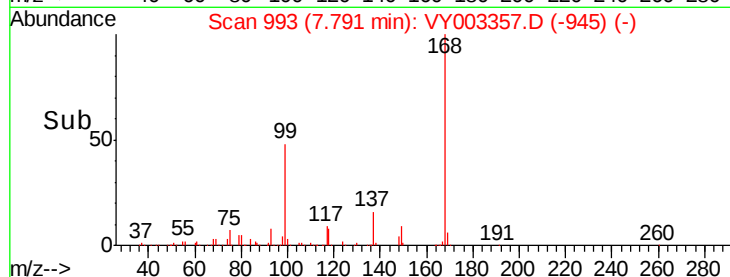
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.313 ug/l

RT: 2.14 min Scan# 66

Delta R.T. 0.02 min

Lab File: VY003357.D

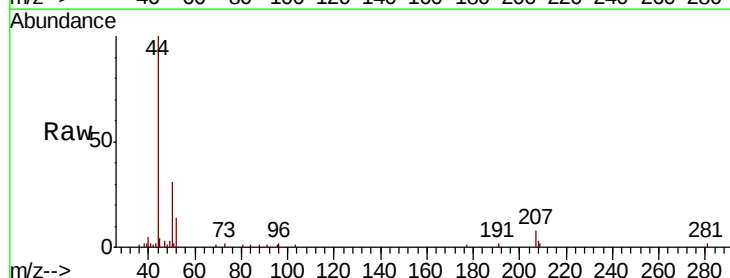
Acq: 27 Jul 2020 15:51

Tgt Ion: 50 Resp: 6305

Ion Ratio Lower Upper

50 100

52 43.8 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VY003357.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003357.D (-13) (-)

2.14

2500

2000

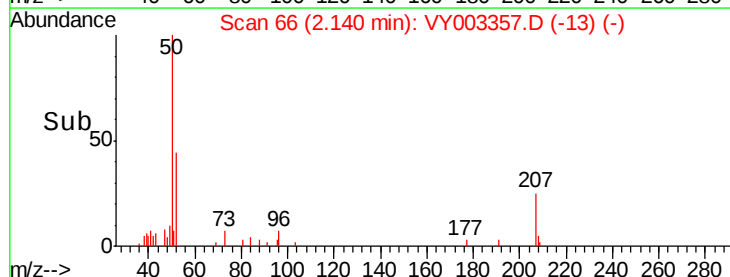
1500

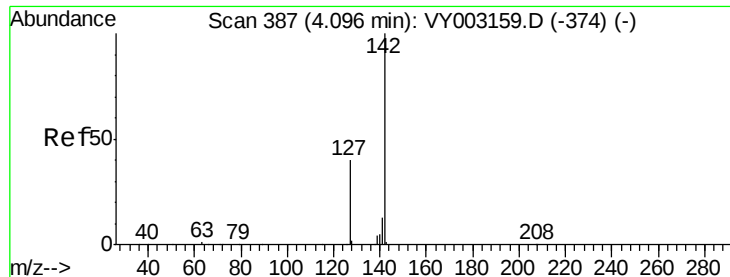
1000

500

0

Time-->

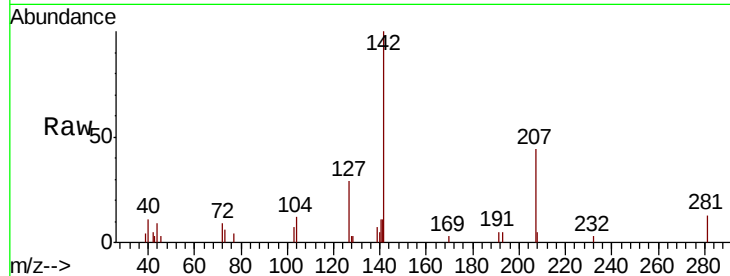




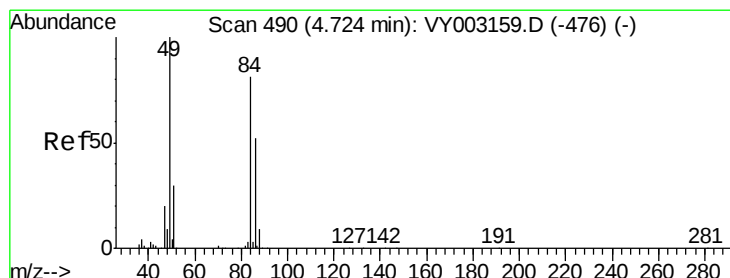
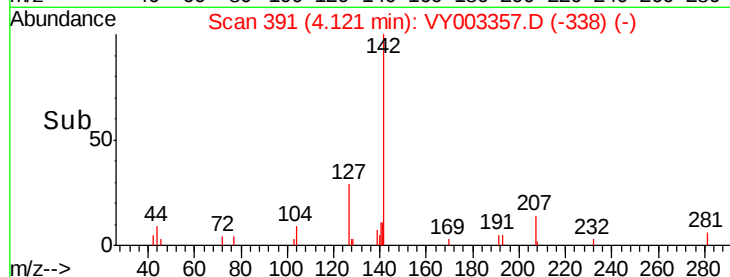
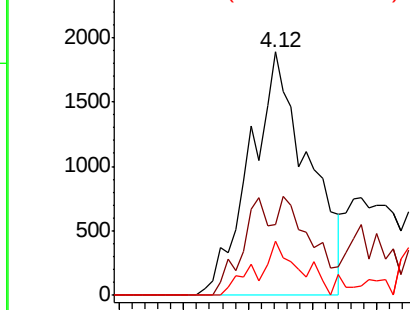
#10
Methvl Iodide
Concen: 1.291 ug/l
RT: 4.12 min Scan# 391
Delta R.T. 0.02 min
Lab File: VY003357.D
Acq: 27 Jul 2020 15:51

Instrument :
MSVOA_Y
ClientSampleId :
11986

Tot Ion:142 Resp: 5958
Ion Ratio Lower Upper
142 100
127 16.1 33.5 50.3#
141 16.2 11.2 16.8

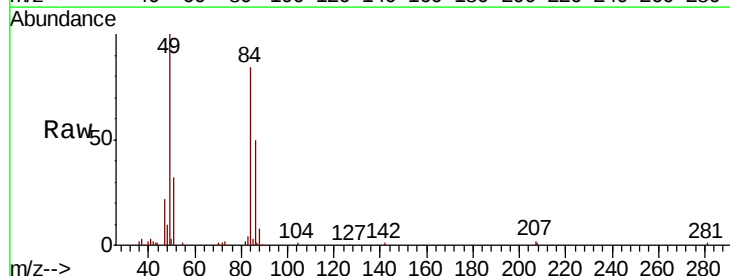


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

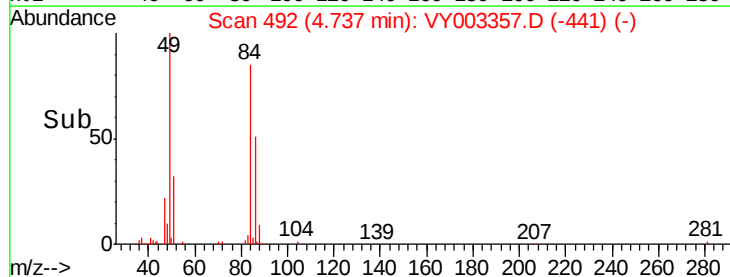
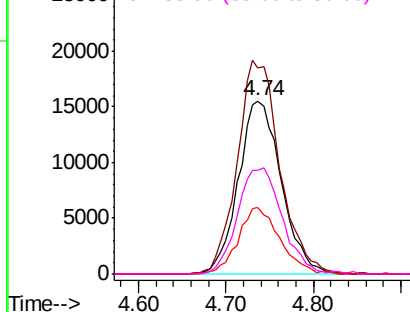


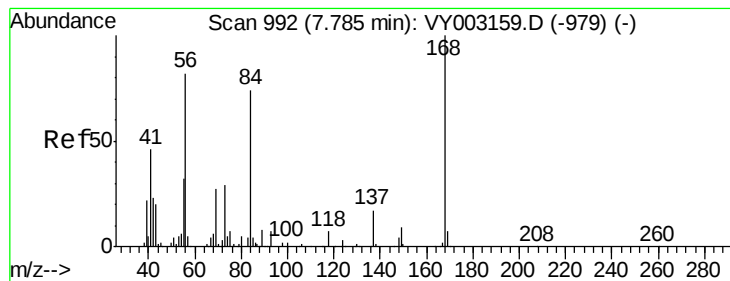
#20
Methylene Chloride
Concen: 6.811 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY003357.D
Acq: 27 Jul 2020 15:51

Tgt Ion: 84 Resp: 52942
Ion Ratio Lower Upper
84 100
49 118.6 98.2 147.4
51 38.2 29.8 44.6
86 59.7 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





#31

Cvclohexane

Concen: 1.178 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

11986

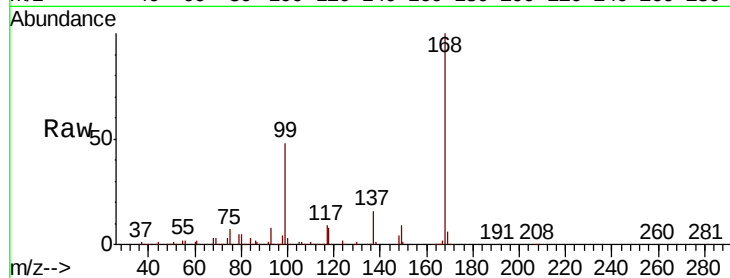
Tot Ion: 56 Resp: 8735

Ion Ratio Lower Upper

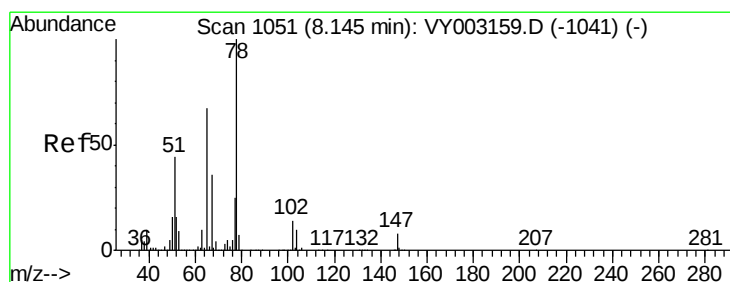
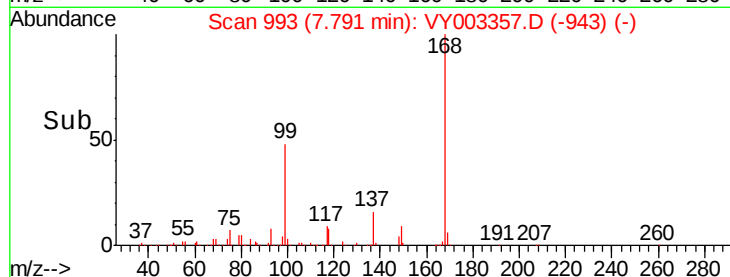
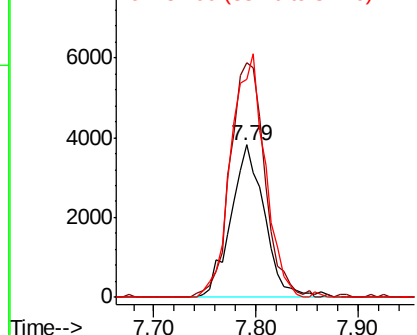
56 100

69 154.2 26.7 40.1#

84 143.5 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: 50.781 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003357.D

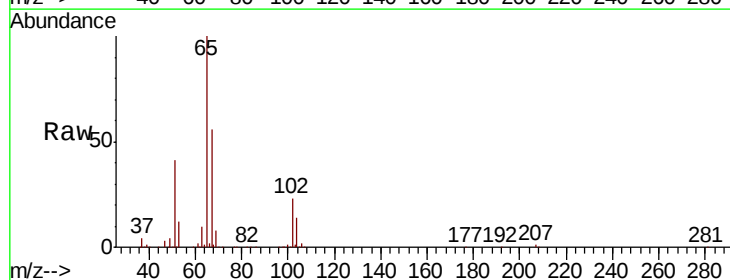
Acq: 27 Jul 2020 15:51

Tgt Ion: 65 Resp: 206975

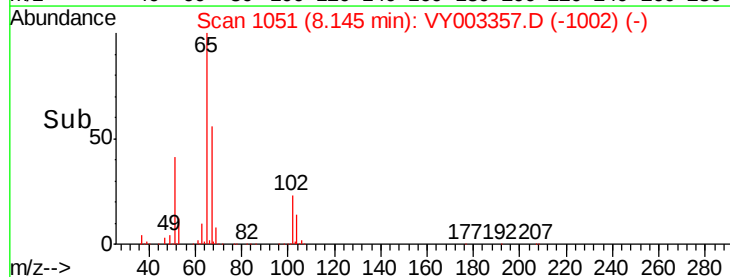
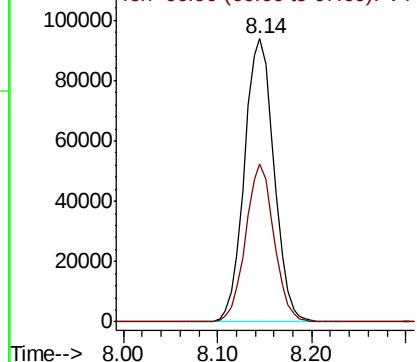
Ion Ratio Lower Upper

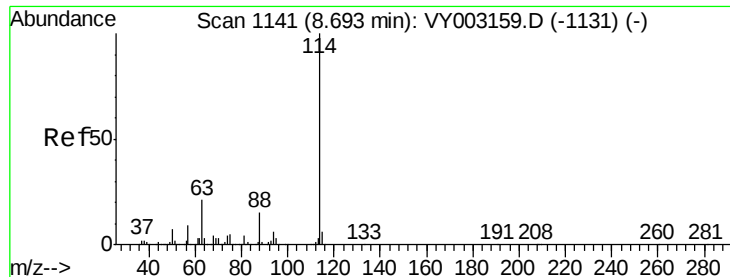
65 100

67 53.5 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: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

11986

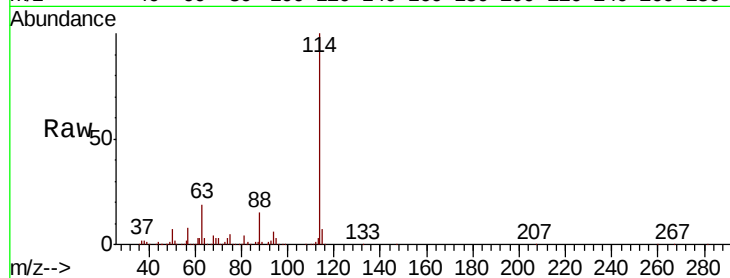
Tot Ion:114 Resp: 726175

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.2

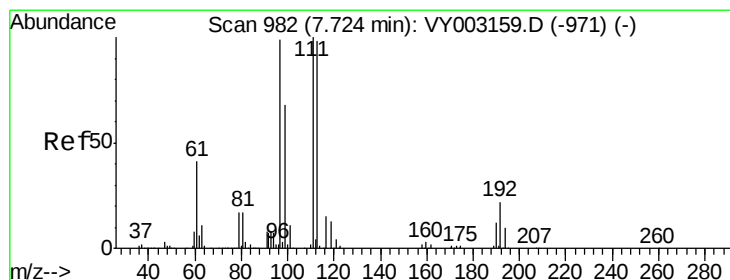
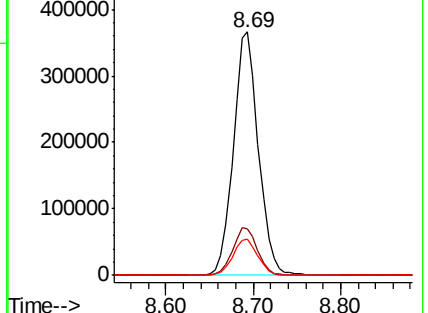
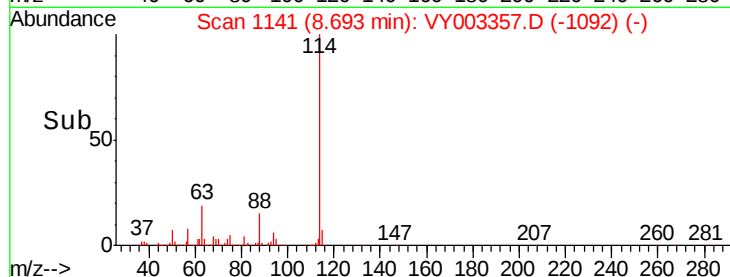
88 14.8 0.0 30.2



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: 43.047 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

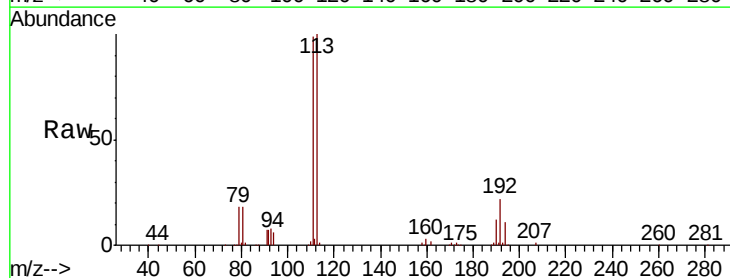
Tgt Ion:113 Resp: 179890

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

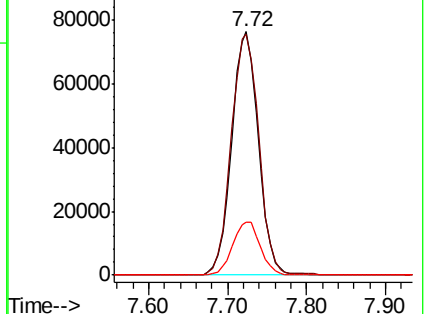
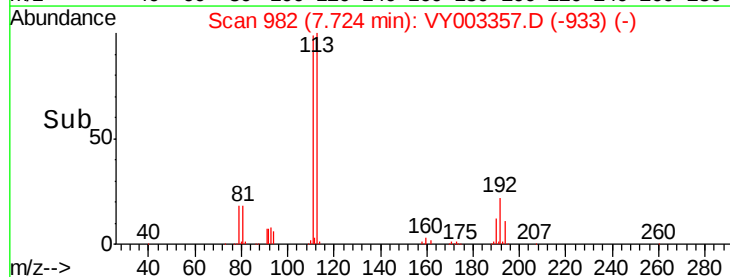
192 22.4 18.8 28.2

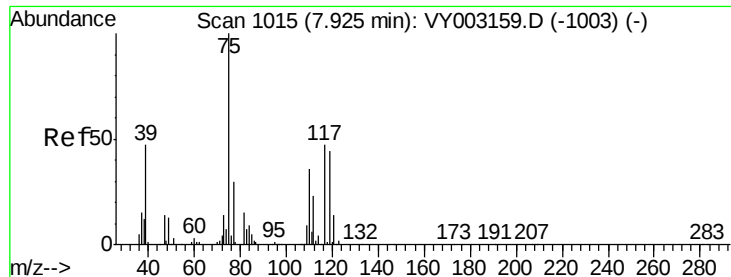


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

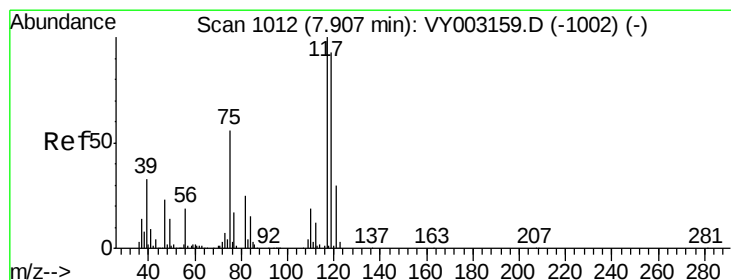
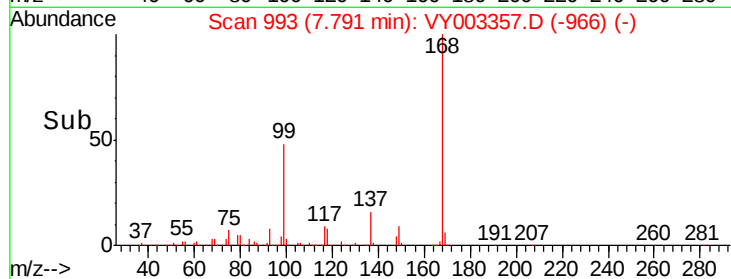
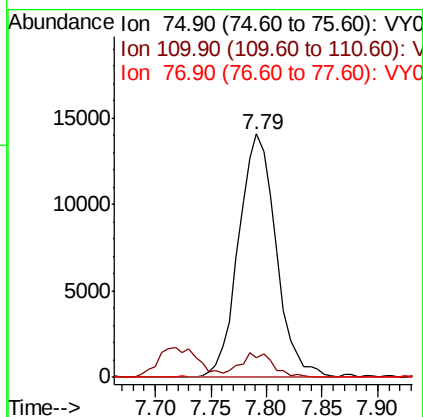
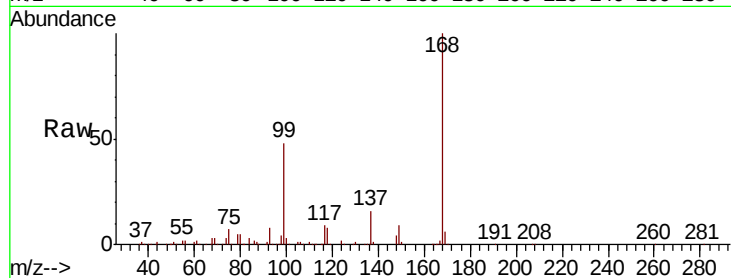




#36
 1,1-Dichloropropene
 Concen: 5.013 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003357.D
 Acq: 27 Jul 2020 15:51

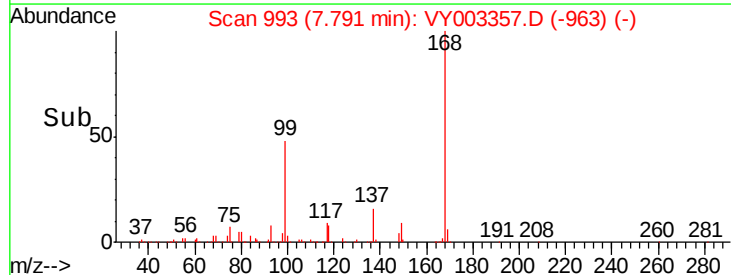
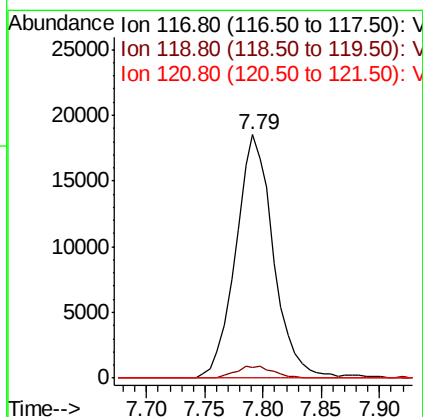
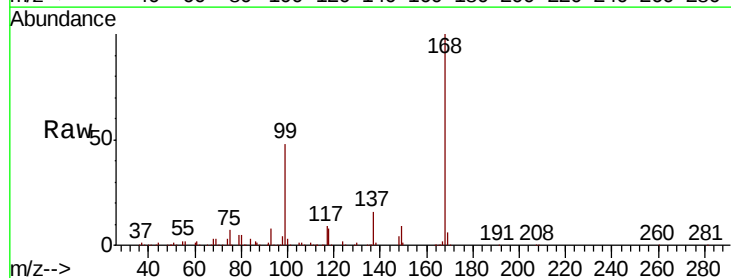
Instrument :
 MSVOA_Y
 ClientSampled :
 11986

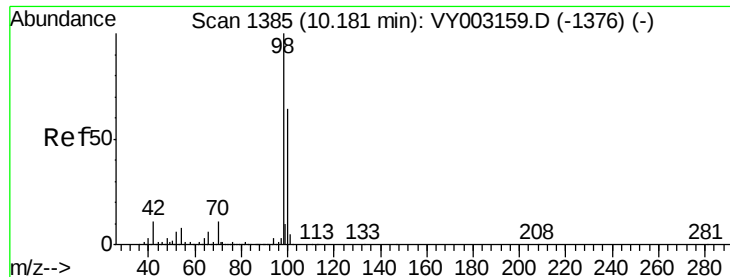
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.138 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003357.D
 Acq: 27 Jul 2020 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 55.411 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

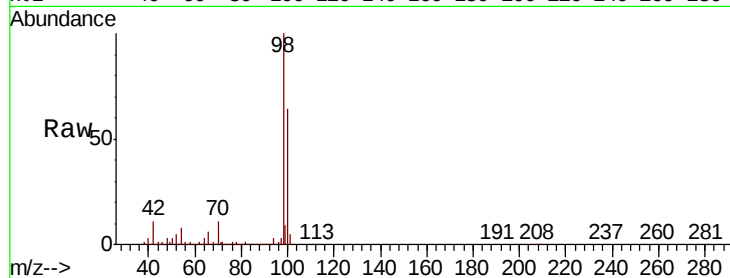
11986

Tot Ion: 98 Resp: 860903

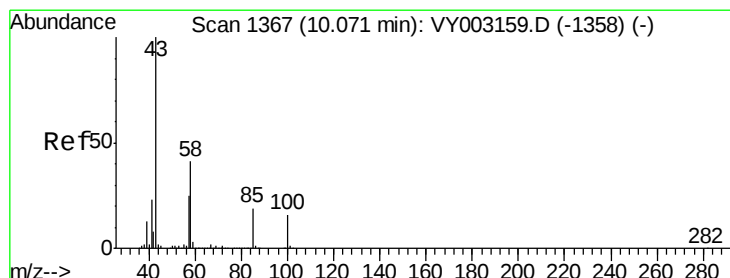
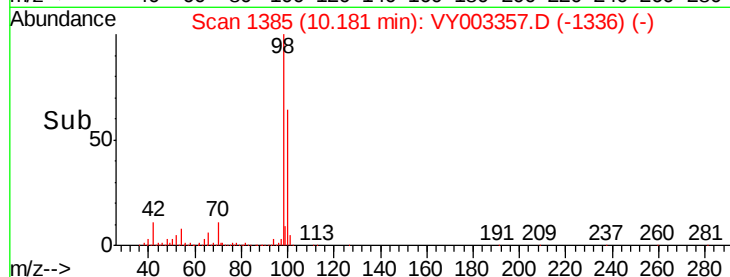
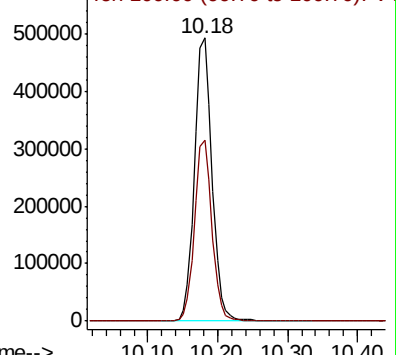
Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY003159.D (-1376) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.012 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003357.D

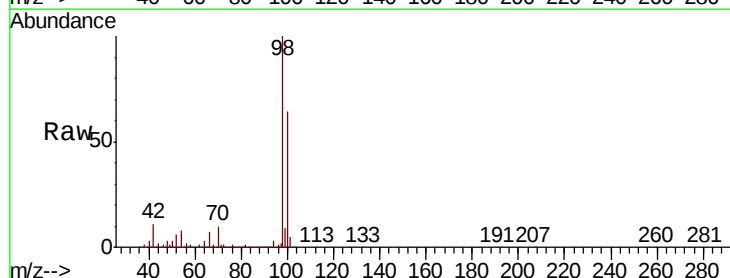
Acq: 27 Jul 2020 15:51

Tgt Ion: 43 Resp: 3609

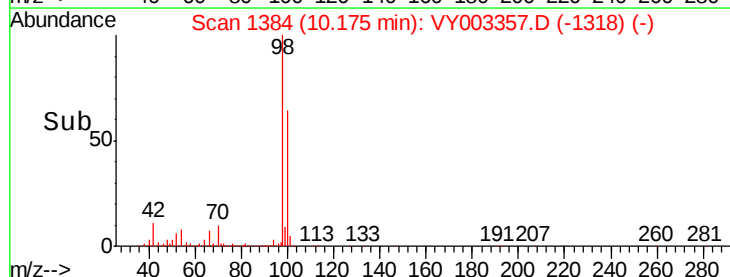
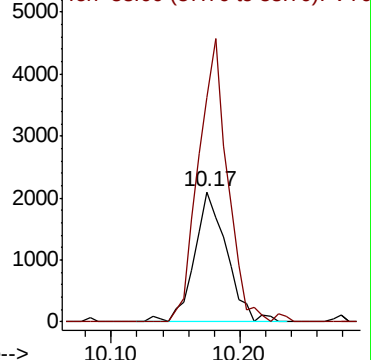
Ion Ratio Lower Upper

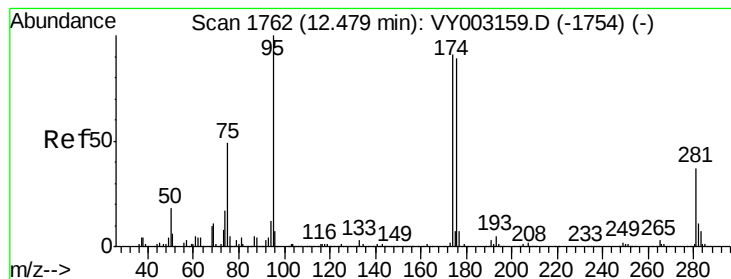
43 100

58 196.0 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-1358) (-)





#62

4-Bromofluorobenzene

Concen: 42.926 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

11986

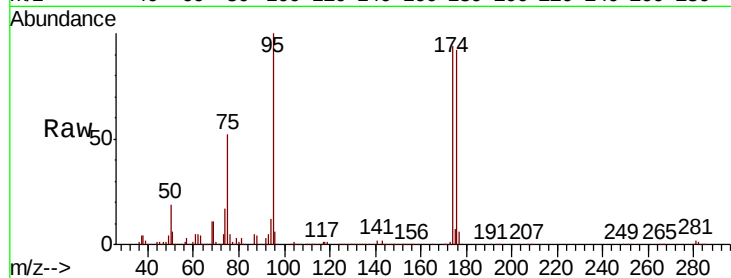
Tot Ion: 95 Resp: 240932

Ion Ratio Lower Upper

95 100

174 95.9 0.0 190.6

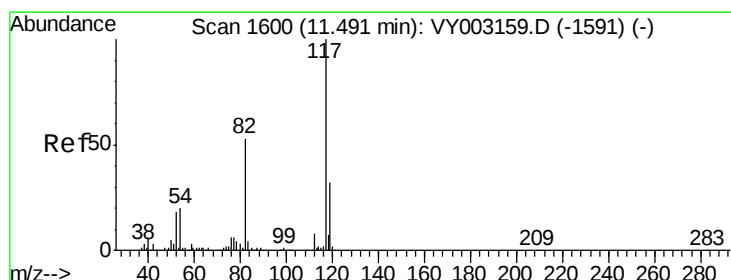
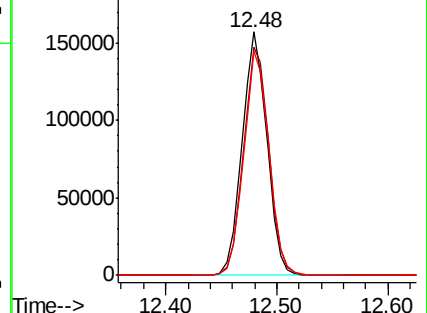
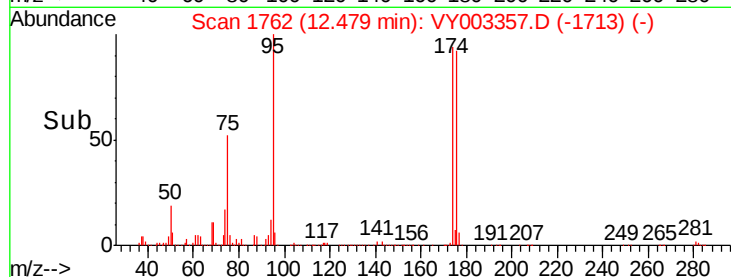
176 93.7 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003357.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003357.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003357.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

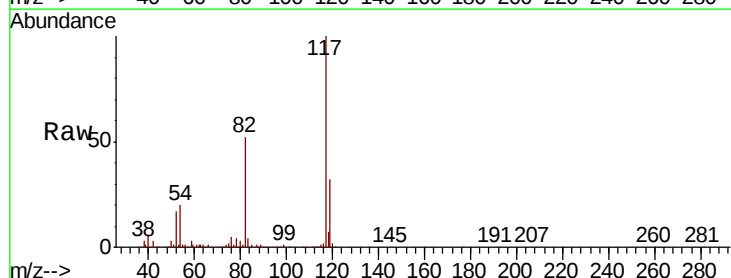
Tgt Ion: 117 Resp: 618497

Ion Ratio Lower Upper

117 100

82 52.5 42.0 63.0

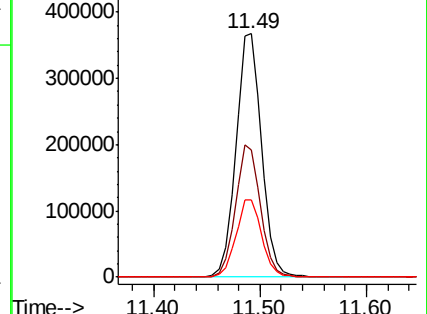
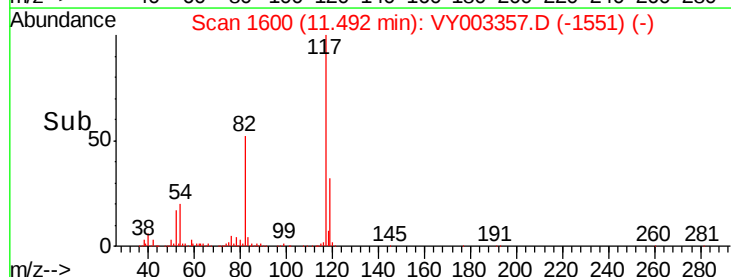
119 31.9 25.5 38.3

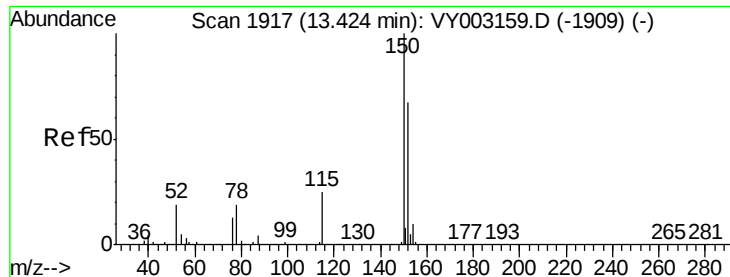


Abundance Ion 116.90 (116.60 to 117.60): VY003357.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003357.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003357.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: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

11986

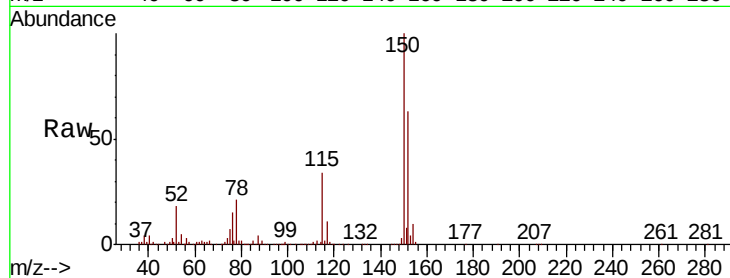
Tot Ion:152 Resp: 244132

Ion Ratio Lower Upper

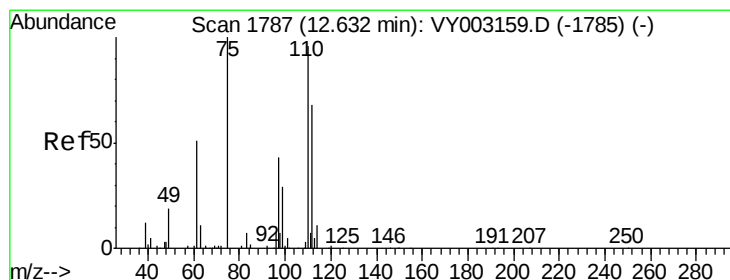
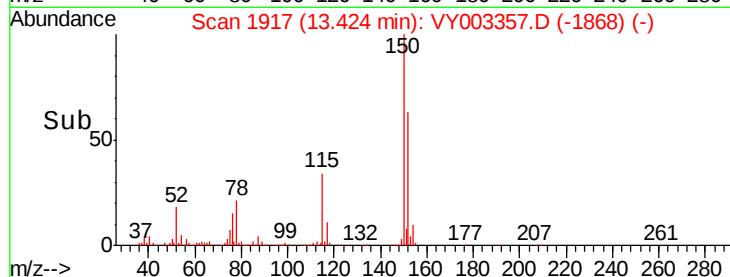
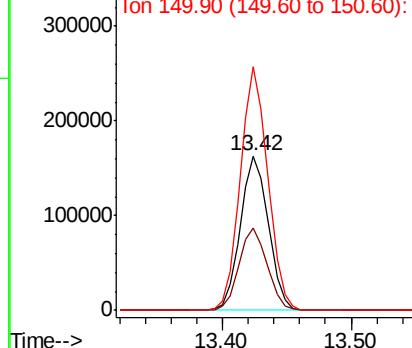
152 100

115 53.9 26.9 80.7

150 155.3 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: 57.026 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003357.D

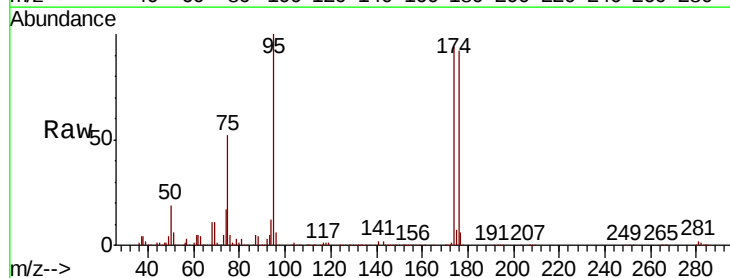
Acq: 27 Jul 2020 15:51

Tgt Ion: 75 Resp: 123233

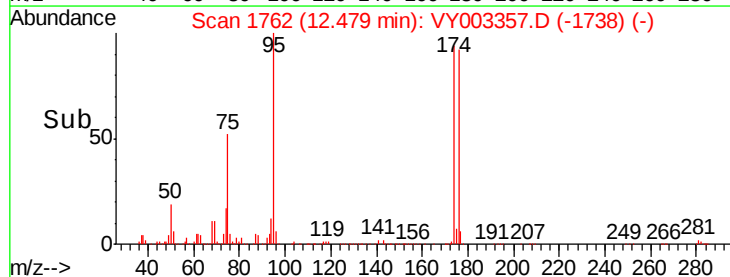
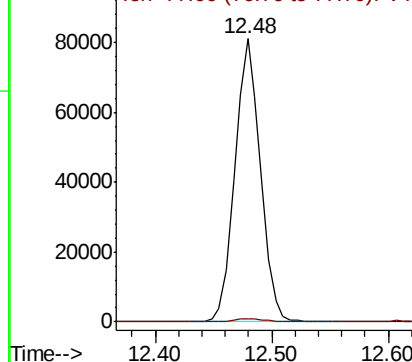
Ion Ratio Lower Upper

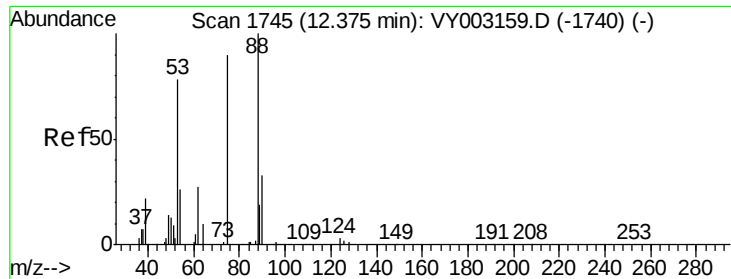
75 100

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: 110.984 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA_Y

ClientSampleId :

11986

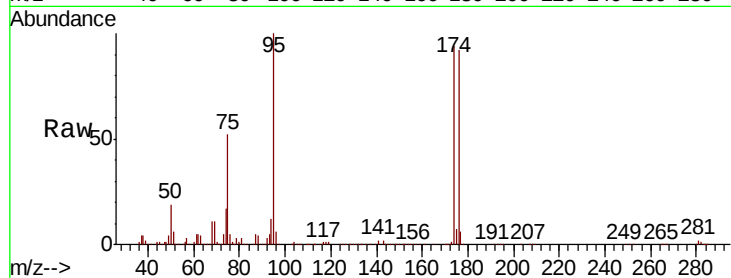
Tot Ion: 75 Resp: 123233

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

