

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003067.D
 Acq On : 01 Jul 2020 18:35
 Operator : SY/MD
 Sample : L3192-17
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-GW-608-610

Quant Time: Jul 02 03:20:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	308660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	504462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	484022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	243420	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.14	65	181906	59.34	ug/l	0.00
Spiked Amount	50.000			Recovery	=	118.68%	
35) Dibromofluoromethane		7.72	113	171982	54.65	ug/l	0.00
Spiked Amount	50.000			Recovery	=	109.30%	
50) Toluene-d8		10.18	98	604264	51.54	ug/l	0.00
Spiked Amount	50.000			Recovery	=	103.08%	
62) 4-Bromofluorobenzene		12.48	95	220310	53.39	ug/l	0.00
Spiked Amount	50.000			Recovery	=	106.78%	

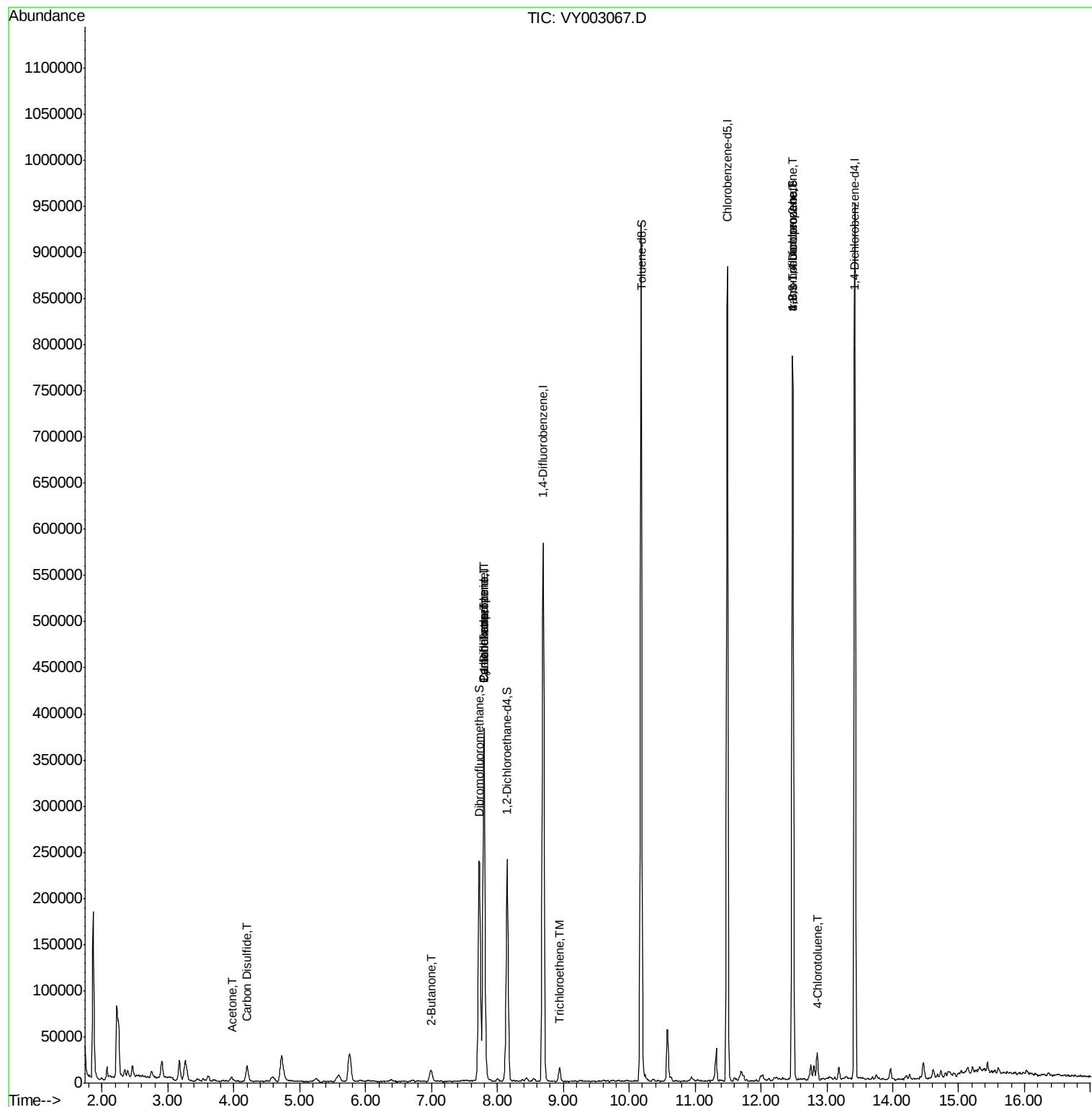
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	7987	11.047	ug/l	96
17) Carbon Disulfide	4.20	76	33021	3.860	ug/l	100
20) Methylene Chloride	4.72	84	21327	Below Cal		90
25) 2-Butanone	6.99	43	2428	2.114	ug/l #	82
31) Cyclohexane	7.79	56	5704	1.058	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	21810	4.488	ug/l #	51
38) Carbon Tetrachloride	7.80	117	27462	5.432	ug/l #	16
44) Trichloroethene	8.94	130	4958	1.282	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	111963	46.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	111963	90.421	ug/l #	12
82) 4-Chlorotoluene	12.86	91	15002	1.347	ug/l	97

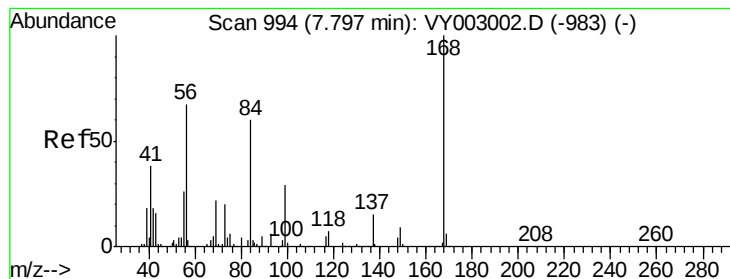
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 03:20:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
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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: VY003067.D

Acq: 01 Jul 2020 18:35

Instrument :

MSVOA_Y

ClientSampleId :

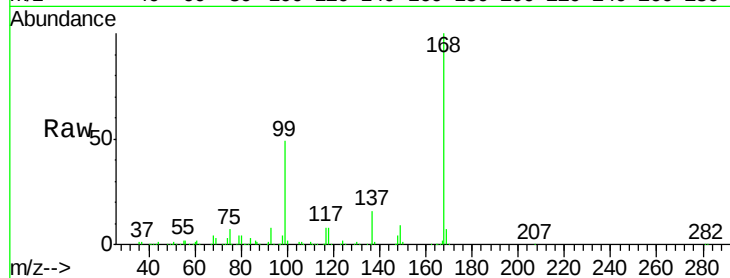
BP-MW180-GW-608-610

Tot Ion:168 Resp: 308660

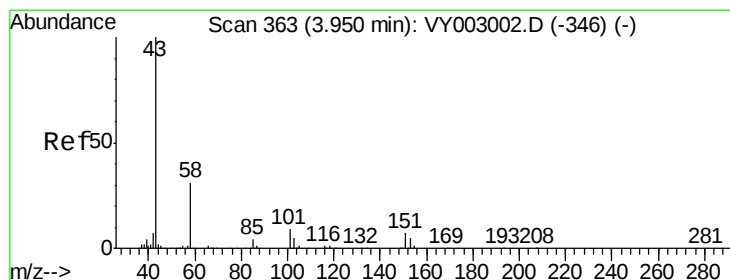
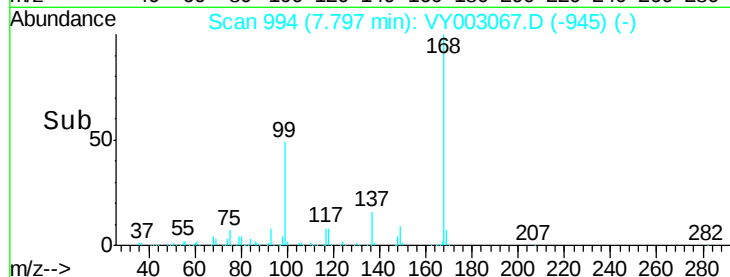
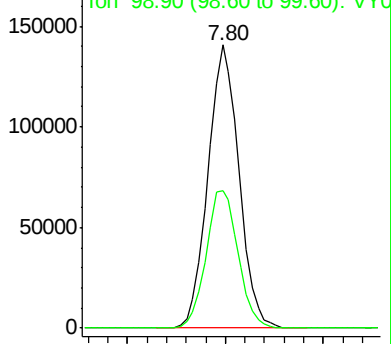
Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003067.D (-945) (-)



#16

Acetone

Concen: 11.047 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003067.D

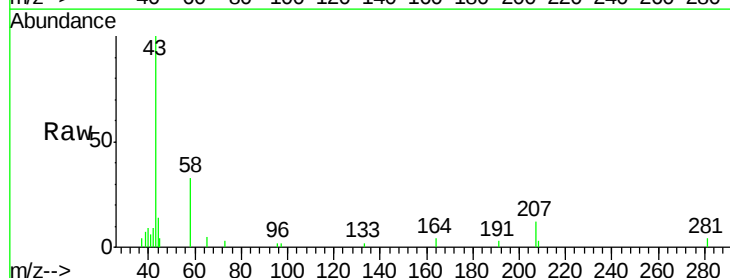
Acq: 01 Jul 2020 18:35

Tgt Ion: 43 Resp: 7987

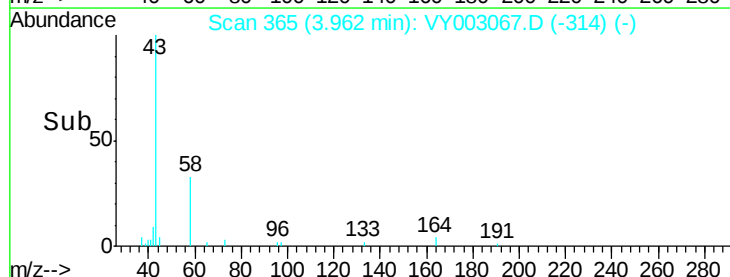
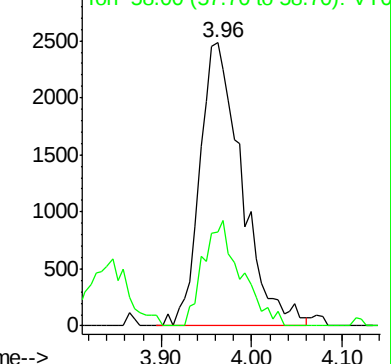
Ion Ratio Lower Upper

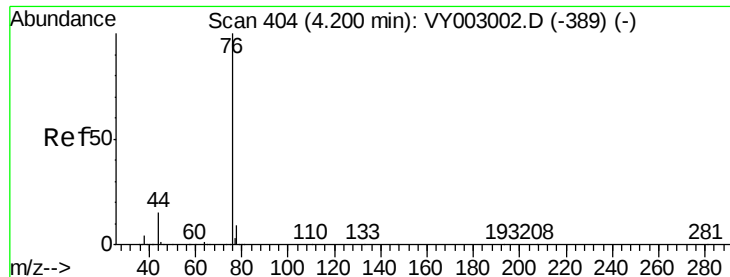
43 100

58 33.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003067.D (-314) (-)

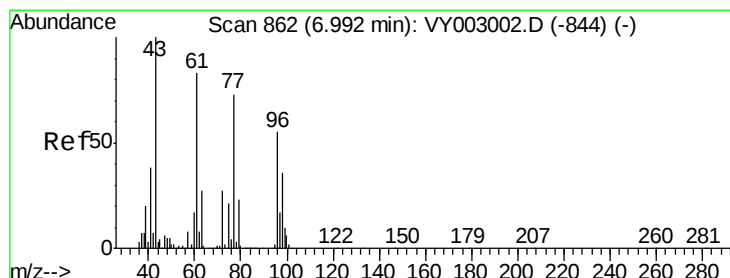
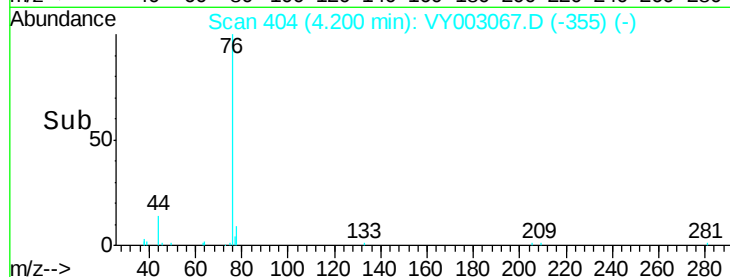
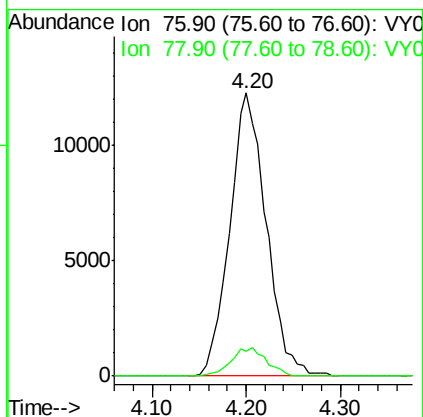
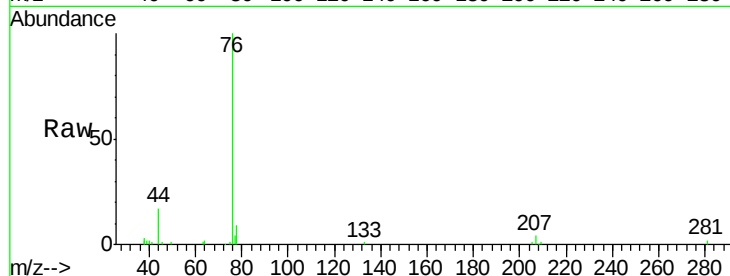




#17
Carbon Disulfide
Concen: 3.860 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003067.D
Acq: 01 Jul 2020 18:35

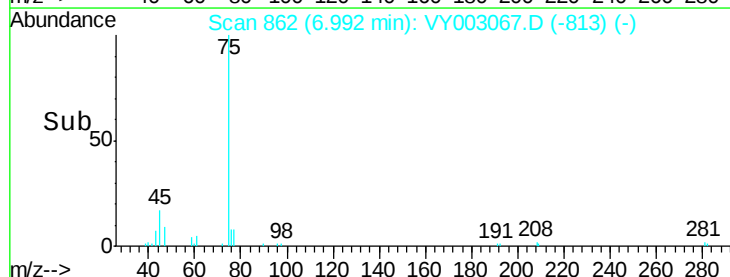
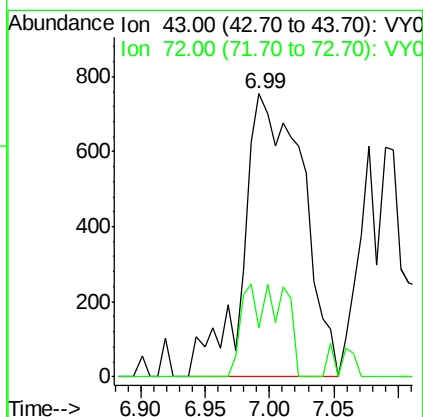
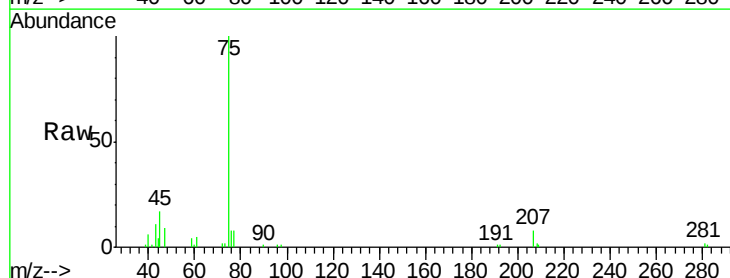
Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-GW-608-610

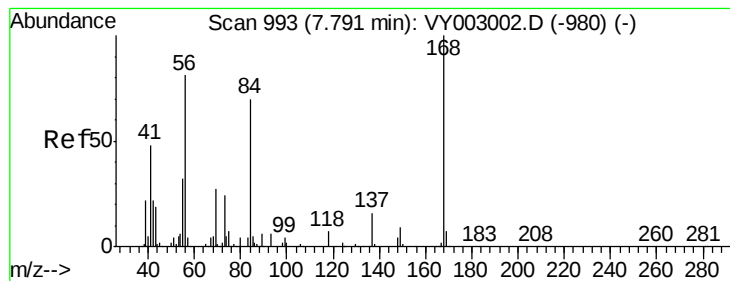
Tot Ion: 76 Resp: 33021
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#25
2-Butanone
Concen: 2.114 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003067.D
Acq: 01 Jul 2020 18:35

Tgt Ion: 43 Resp: 2428
Ion Ratio Lower Upper
43 100
72 17.4 21.4 32.0#





#31

Cyclohexane

Concen: 1.058 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003067.D

Acq: 01 Jul 2020 18:35

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-GW-608-610

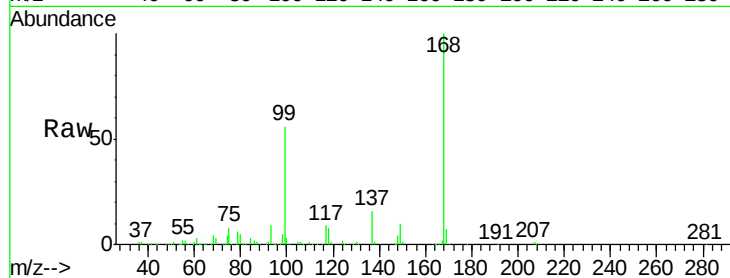
Tot Ion: 56 Resp: 5704

Ion Ratio Lower Upper

56 100

69 149.9 27.0 40.4#

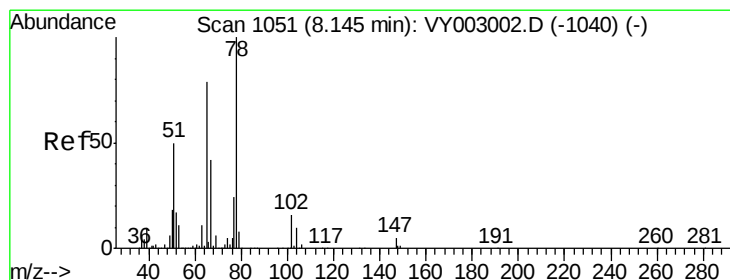
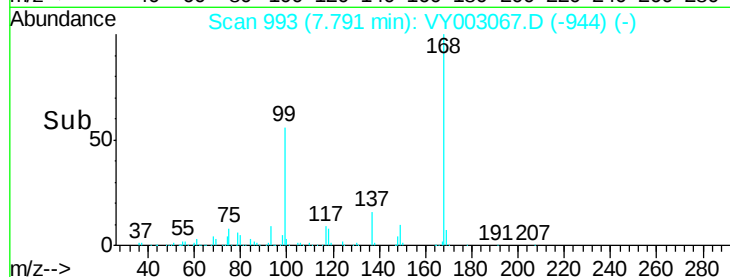
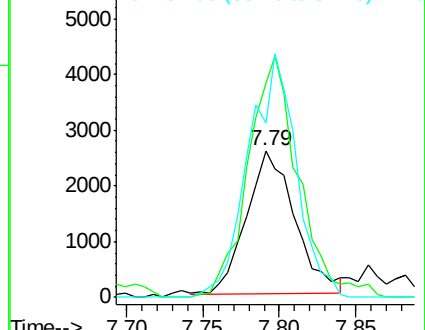
84 120.0 68.1 102.1#



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: 59.338 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003067.D

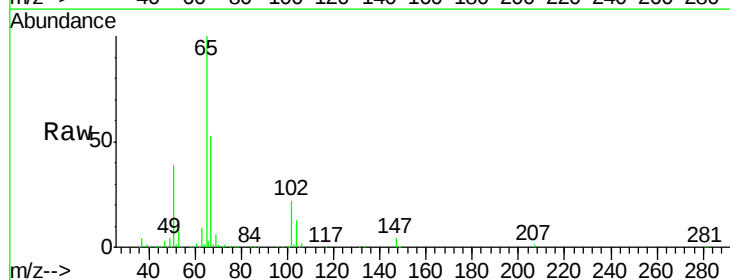
Acq: 01 Jul 2020 18:35

Tgt Ion: 65 Resp: 181906

Ion Ratio Lower Upper

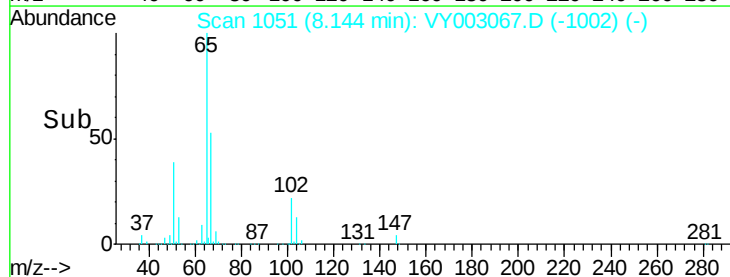
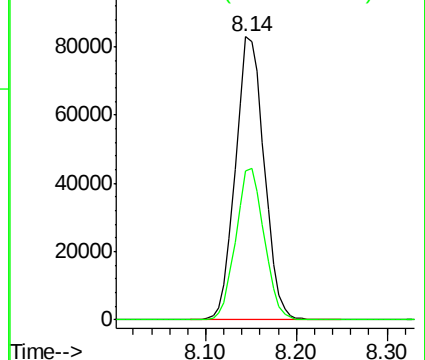
65 100

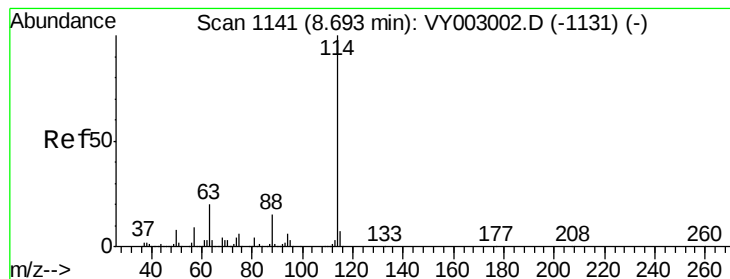
67 53.2 0.0 105.6



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: VY003067.D

Acq: 01 Jul 2020 18:35

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-GW-608-610

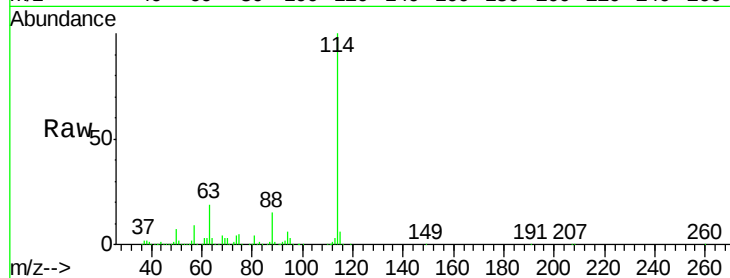
Tot Ion:114 Resp: 504462

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.6

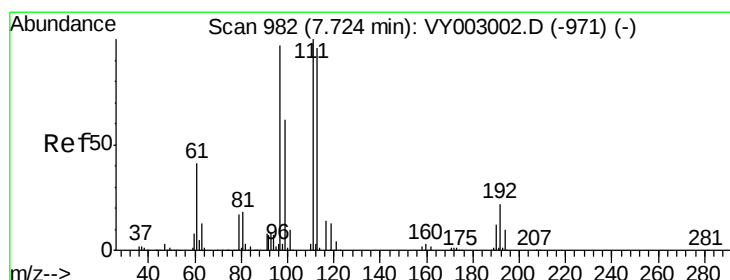
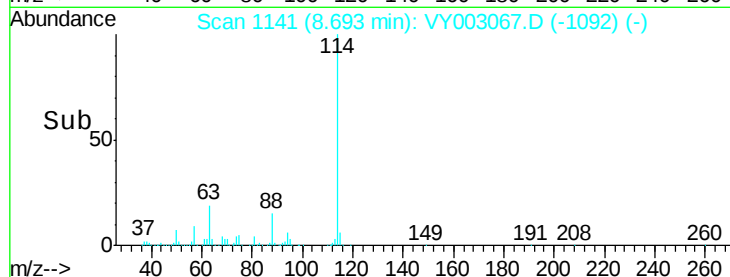
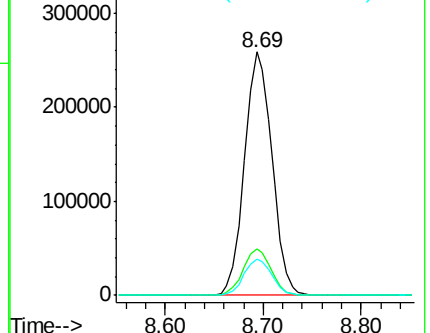
88 15.0 0.0 30.0



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: 54.651 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003067.D

Acq: 01 Jul 2020 18:35

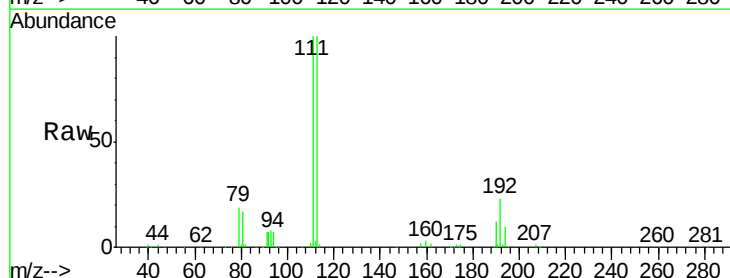
Tgt Ion:113 Resp: 171982

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

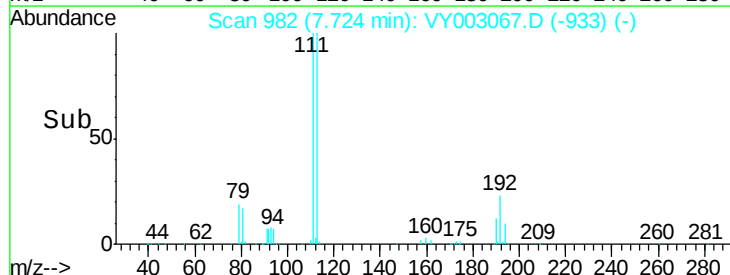
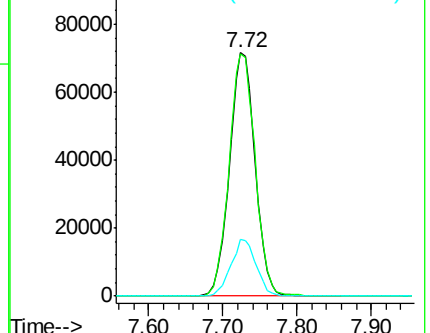
192 22.9 18.1 27.1

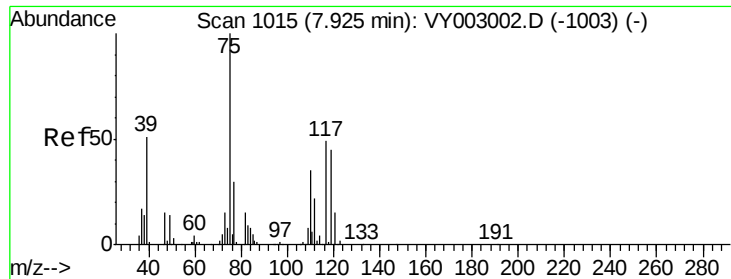


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003067.D

Acq: 01 Jul 2020 18:35

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-GW-608-610

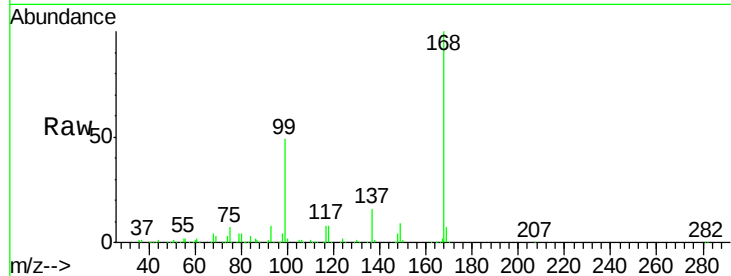
Tot Ion: 75 Resp: 21810

Ion Ratio Lower Upper

75 100

110 9.7 17.1 51.2#

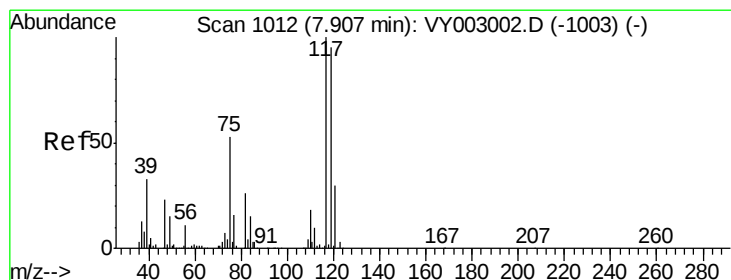
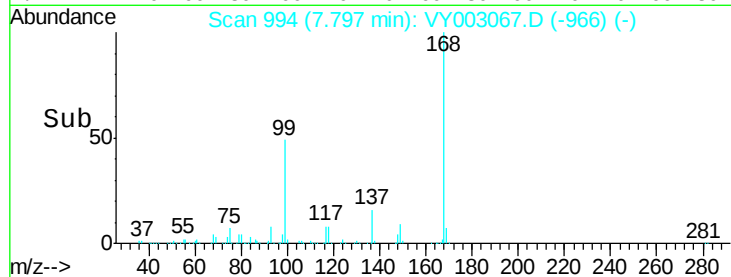
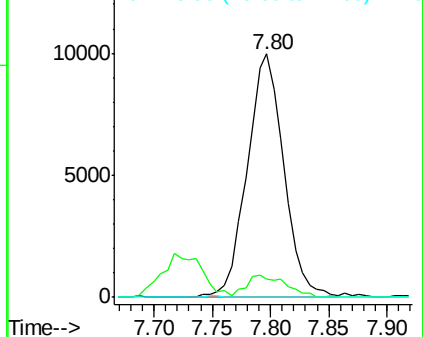
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY003067.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003067.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003067.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.432 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003067.D

Acq: 01 Jul 2020 18:35

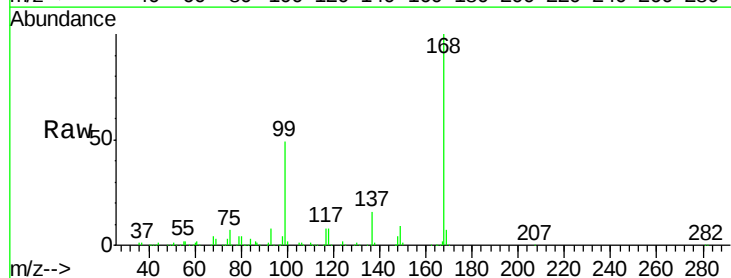
Tgt Ion: 117 Resp: 27462

Ion Ratio Lower Upper

117 100

119 5.0 75.7 113.5#

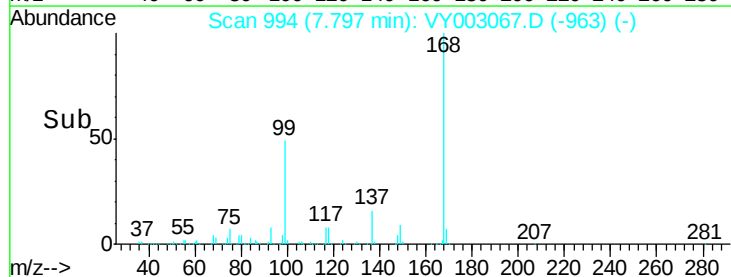
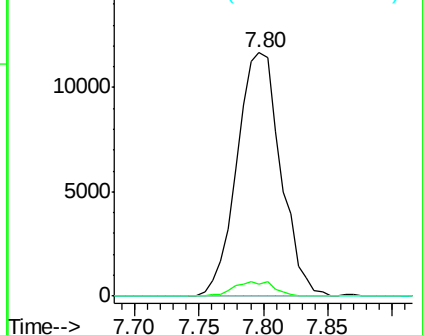
121 0.0 23.9 35.9#

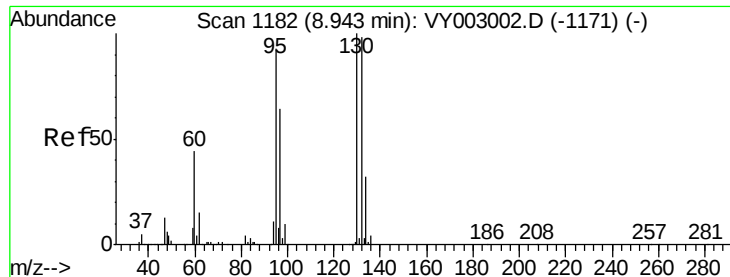


Abundance Ion 116.80 (116.50 to 117.50): VY003067.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003067.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003067.D (-963) (-)





#44

Trichloroethene

Concen: 1.282 ug/l

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003067.D

Acq: 01 Jul 2020 18:35

Instrument :

MSVOA_Y

ClientSampleId :

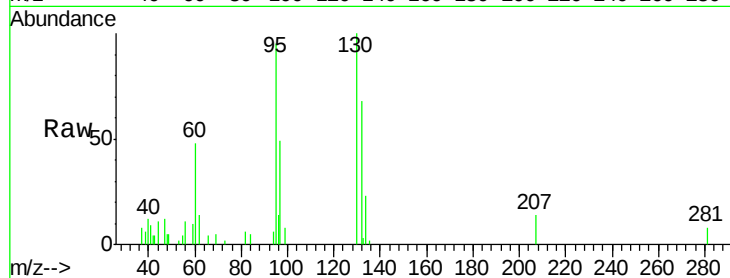
BP-MW180-GW-608-610

Tot Ion:130 Resp: 4958

Ion Ratio Lower Upper

130 100

95 95.5 0.0 186.4

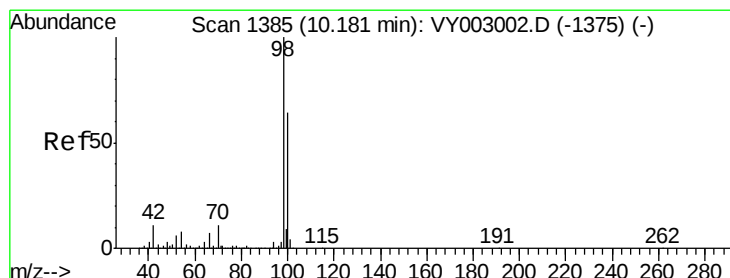
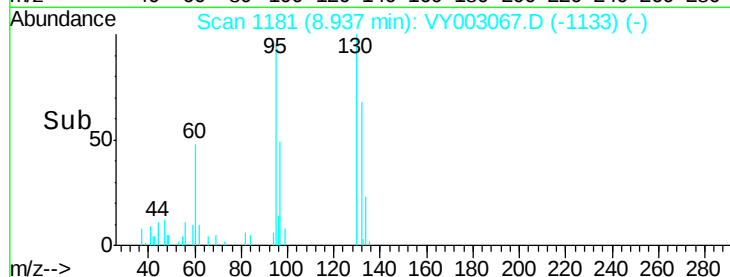


Abundance Ion 129.80 (129.50 to 130.50): VY003002.D (-1171) (-)

Ion 94.90 (94.60 to 95.60): VY003002.D (-1171) (-)

8.94

Time-->



#50

Toluene-d8

Concen: 51.542 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003067.D

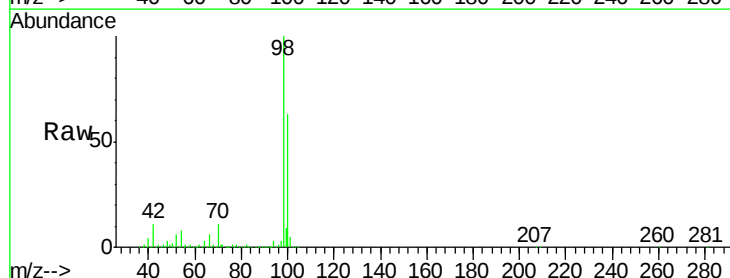
Acq: 01 Jul 2020 18:35

Tgt Ion: 98 Resp: 604264

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7

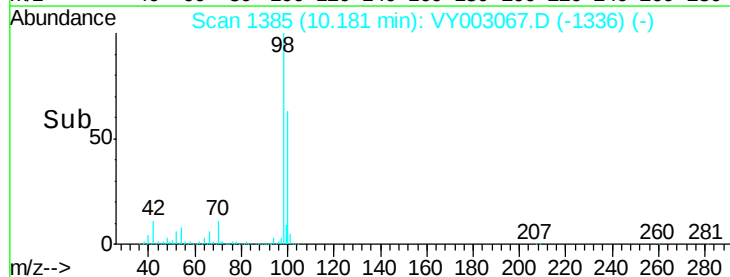


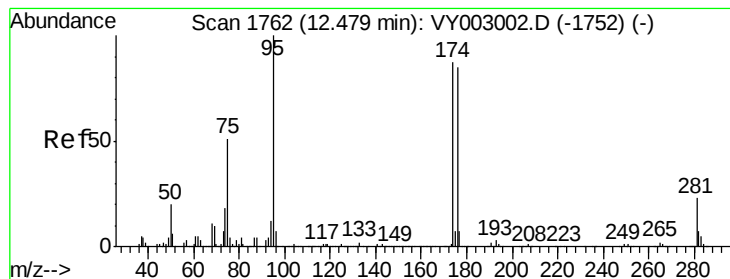
Abundance Ion 98.00 (97.70 to 98.70): VY003002.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY003002.D (-1375) (-)

10.18

Time-->





#62

4-Bromofluorobenzene

Concen: 53.386 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003067.D

Acq: 01 Jul 2020 18:35

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-GW-608-610

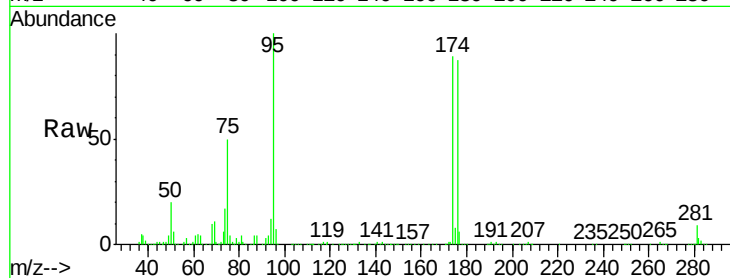
Tot Ion: 95 Resp: 220310

Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.8

176 91.8 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003067.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003067.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003067.D (-1752) (-)

12.48

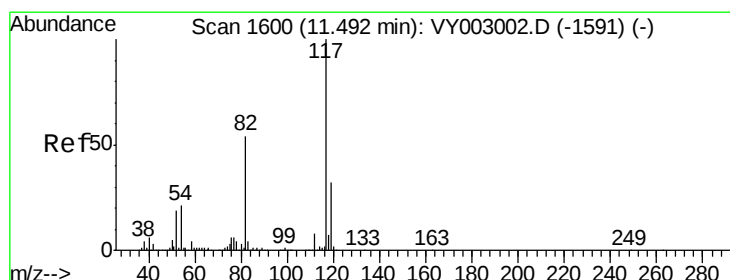
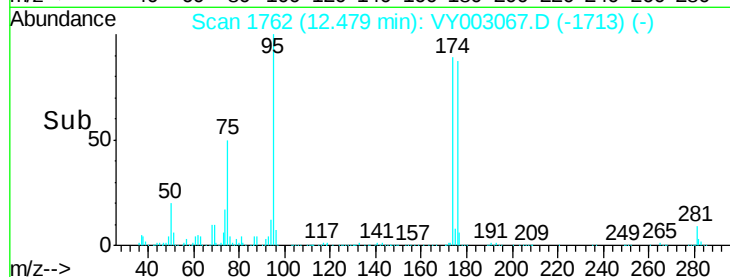
150000

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: VY003067.D

Acq: 01 Jul 2020 18:35

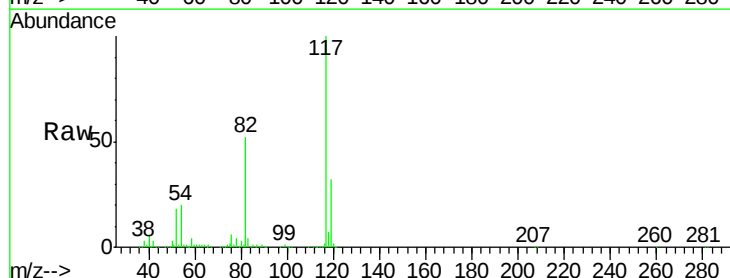
Tgt Ion: 117 Resp: 484022

Ion Ratio Lower Upper

117 100

82 52.1 43.0 64.6

119 32.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY003067.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003067.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003067.D (-1591) (-)

11.49

400000

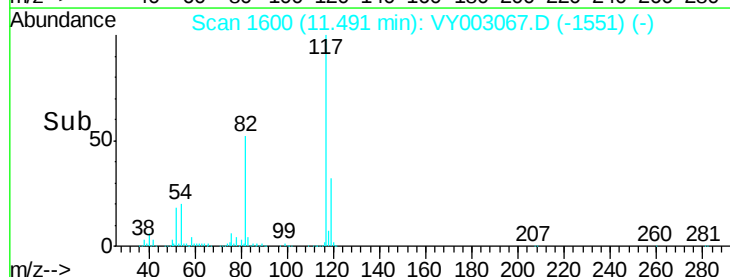
300000

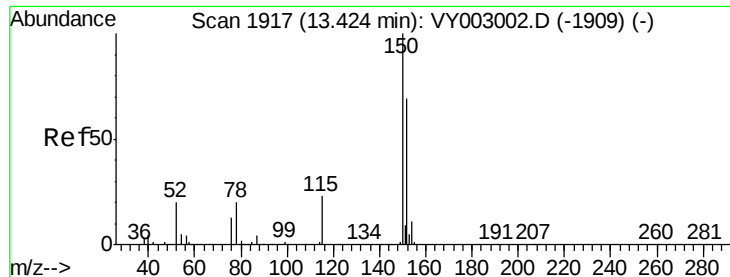
200000

100000

0

Time-->



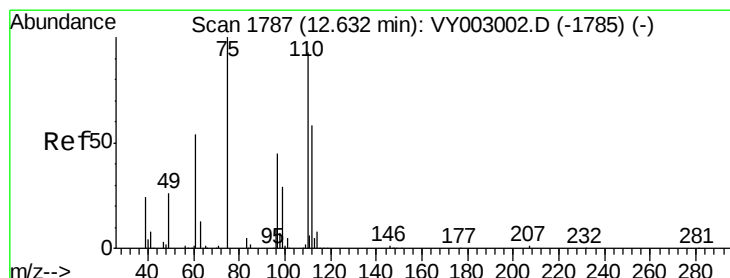
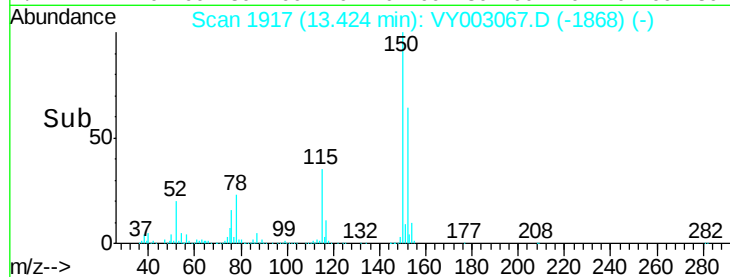
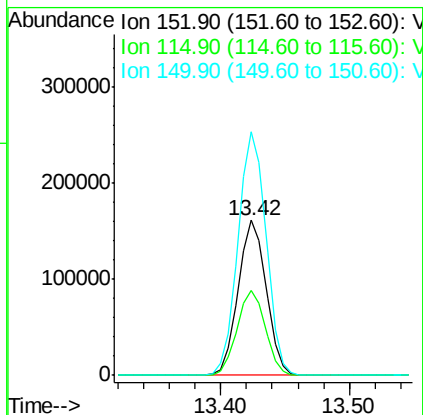
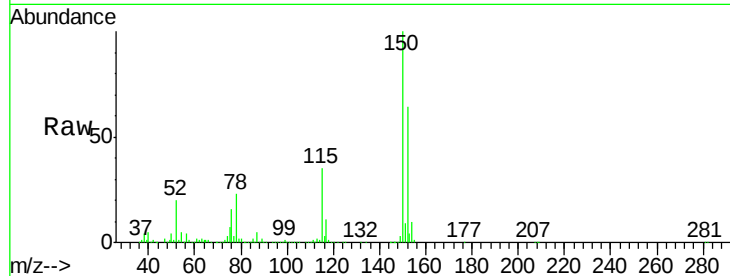


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003067.D
Acq: 01 Jul 2020 18:35

Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-GW-608-610

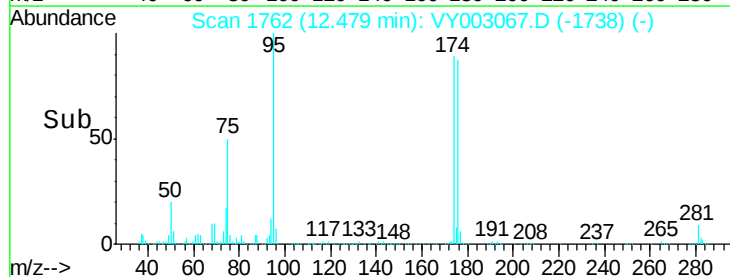
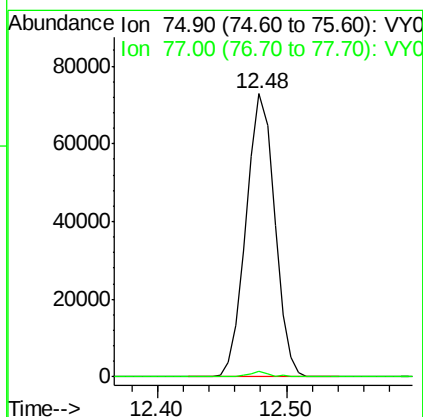
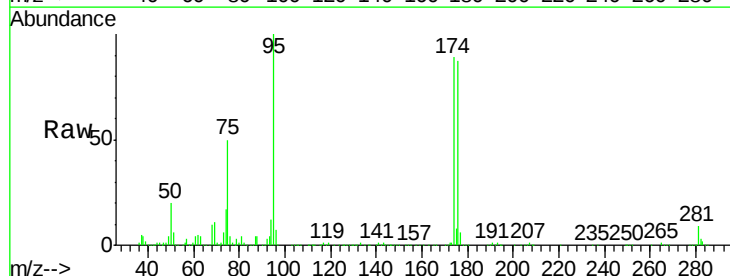
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	157.7	0.0	343.4

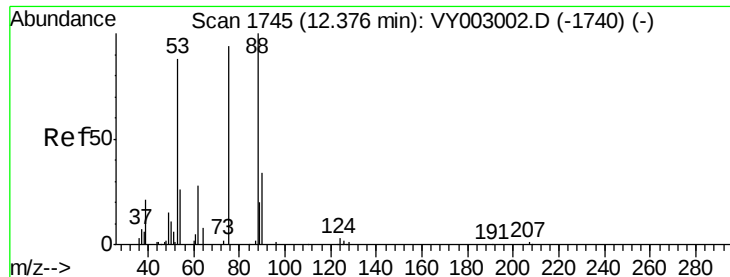


#76

1,2,3-Trichloropropane
Concen: 46.475 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003067.D
Acq: 01 Jul 2020 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

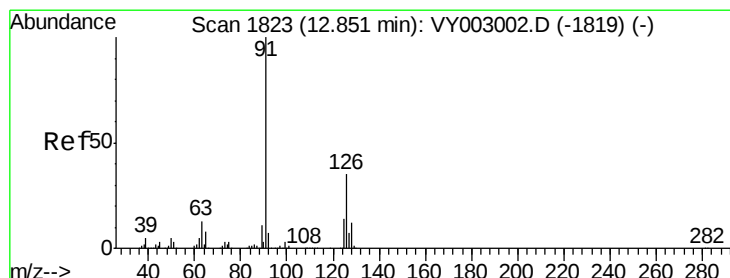
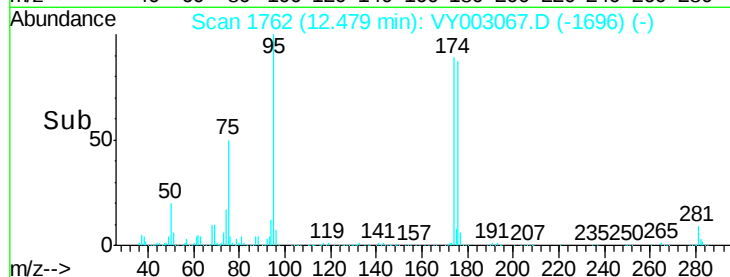
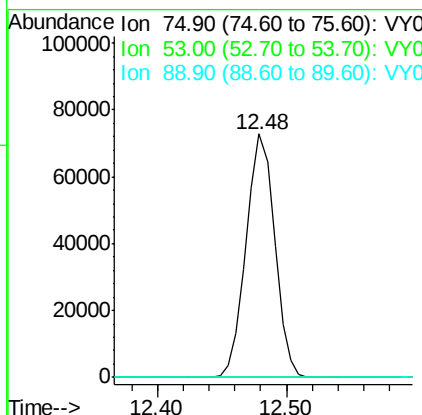
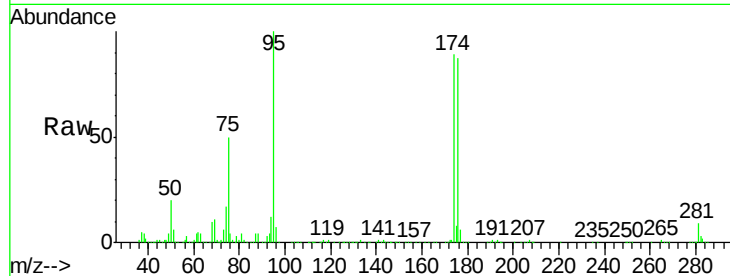




#81
trans-1,4-Dichloro-2-butene
Concen: 90.421 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003067.D
Acq: 01 Jul 2020 18:35

Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-GW-608-610

Tot Ion: 75 Resp: 111963
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.1 37.5 56.3#



#82
4-Chlorotoluene
Concen: 1.347 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY003067.D
Acq: 01 Jul 2020 18:35

Tgt Ion: 91 Resp: 15002
Ion Ratio Lower Upper
91 100
126 36.7 17.4 52.3

