

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003350.D
 Acq On : 24 Jul 2020 22:26
 Operator : SY/MD
 Sample : L3436-18
 Misc : 6.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 18

Quant Time: Jul 25 01:44:40 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	441289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	683377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	587114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	213030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	214993	57.72	ug/l	0.00
Spiked Amount			Recovery	=	115.44%	
35) Dibromofluoromethane	7.72	113	210323	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
50) Toluene-d8	10.18	98	810443	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.48	95	225128	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	

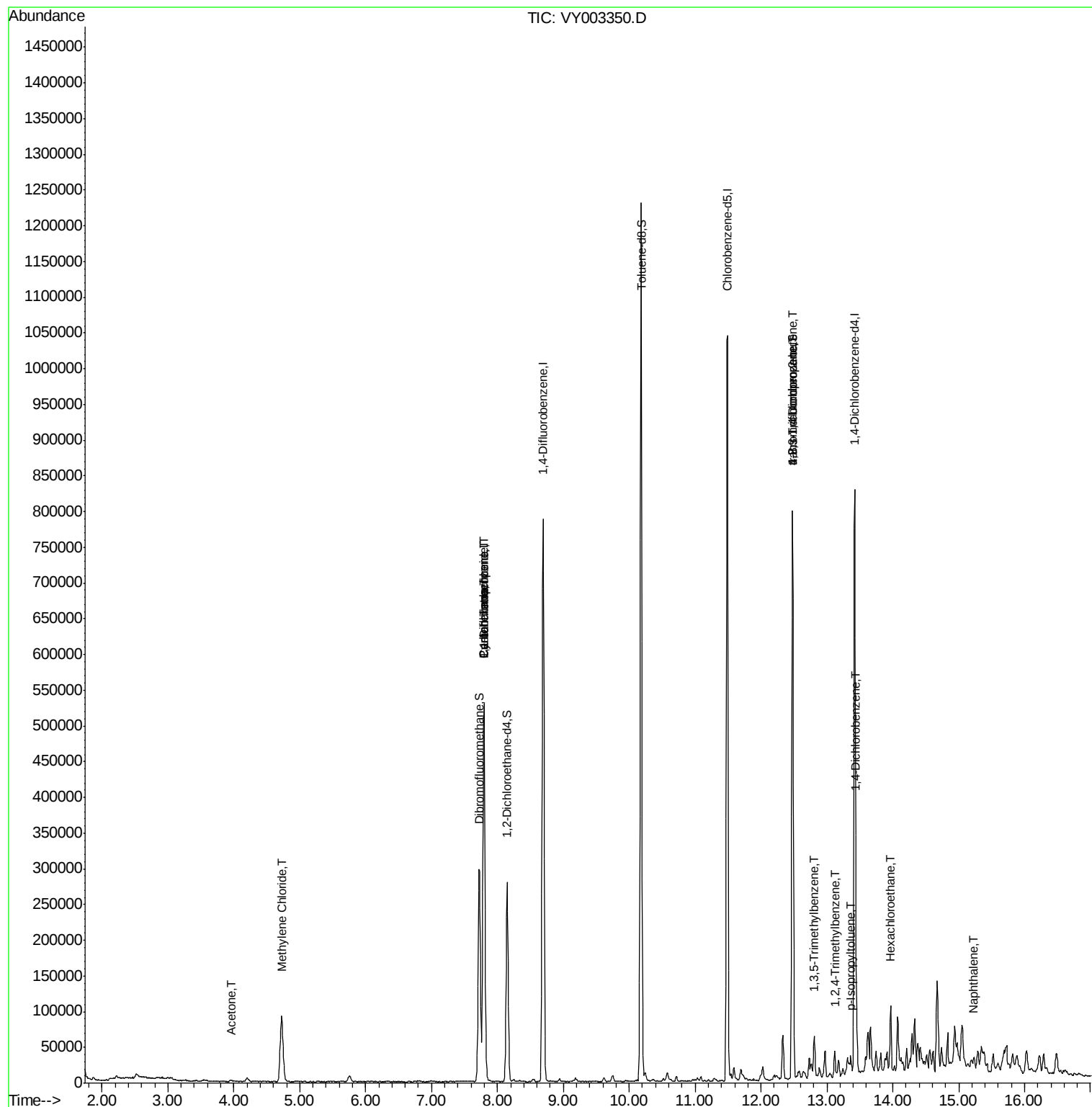
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	2471	2.970	ug/l	91
20) Methylene Chloride	4.72	84	72228	13.211	ug/l	98
31) Cyclohexane	7.80	56	8568	1.265	ug/l #	12
36) 1,1-Dichloropropene	7.80	75	30059	4.853	ug/l #	49
38) Carbon Tetrachloride	7.80	117	39166	6.125	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	115737	61.377	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	22855	2.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	115737	119.451	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	19433	1.707	ug/l	95
86) p-Isopropyltoluene	13.36	119	13754	1.073	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	6519	1.006	ug/l #	69
90) Hexachloroethane	13.97	117	4299	1.842	ug/l #	4
95) Naphthalene	15.23	128	8234	1.220	ug/l #	90

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
Data File : VY003350.D
Acq On : 24 Jul 2020 22:26
Operator : SY/MD
Sample : L3436-18
Misc : 6.60G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
18

Quant Time: Jul 25 01:44:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
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: VY003350.D

Acq: 24 Jul 2020 22:26

Instrument :

MSVOA_Y

ClientSampled :

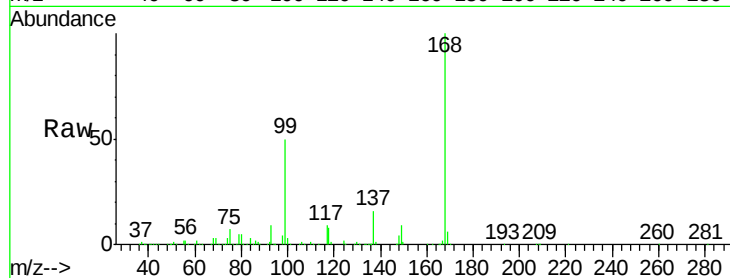
18

Tot Ion:168 Resp: 441289

Ion Ratio Lower Upper

168 100

99 49.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003350.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003350.D (-945) (-)

7.80

200000

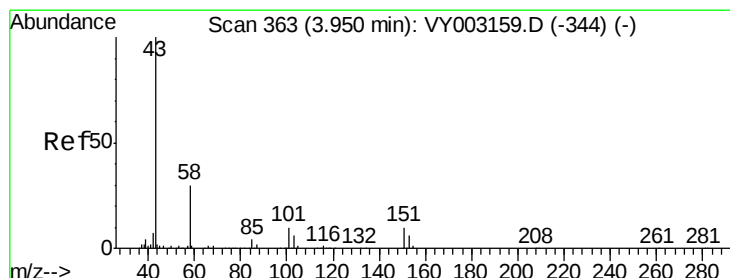
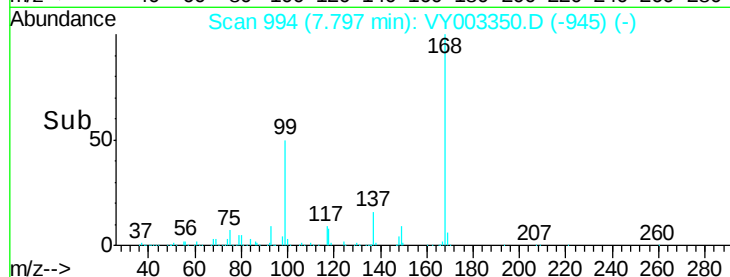
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.970 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003350.D

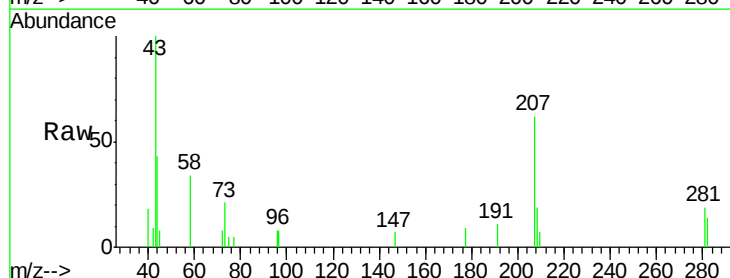
Acq: 24 Jul 2020 22:26

Tgt Ion: 43 Resp: 2471

Ion Ratio Lower Upper

43 100

58 34.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003350.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003350.D (-314) (-)

3.96

1200

1000

800

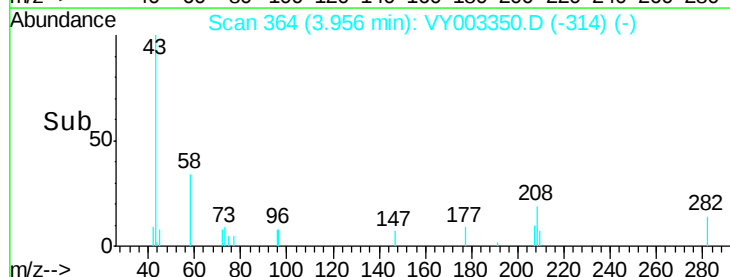
600

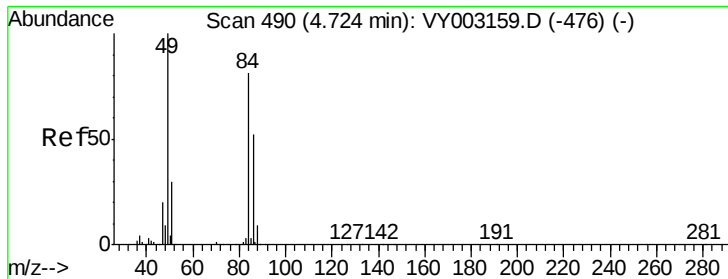
400

200

0

Time-->

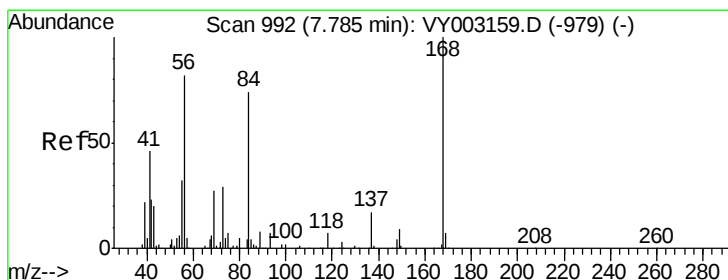
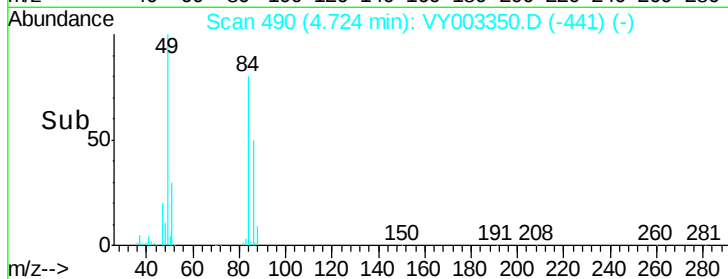
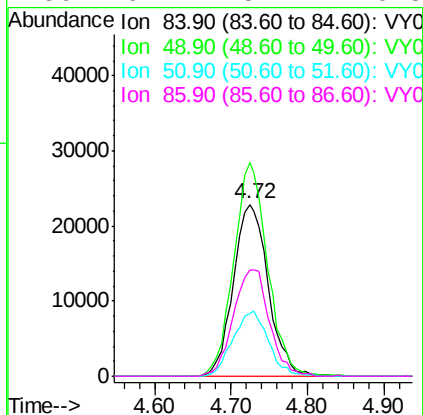
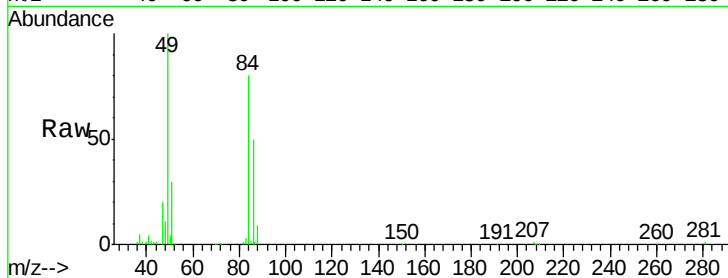




#20
Methylene Chloride
Concen: 13.211 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

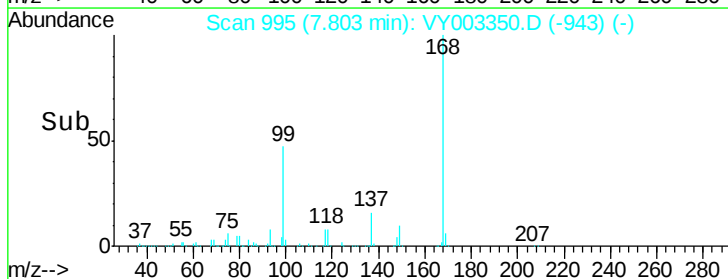
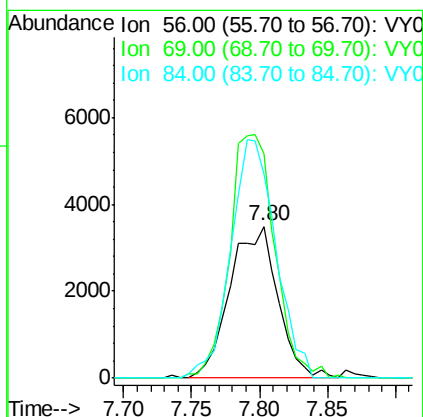
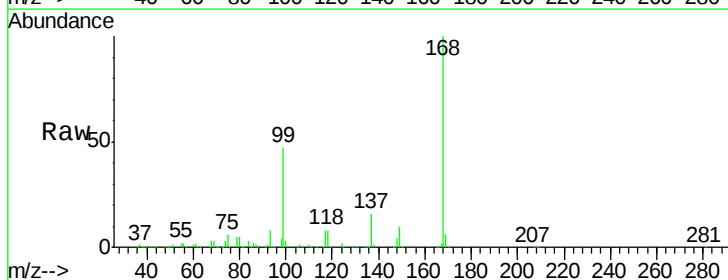
Instrument :
MSVOA_Y
ClientSampleId :
18

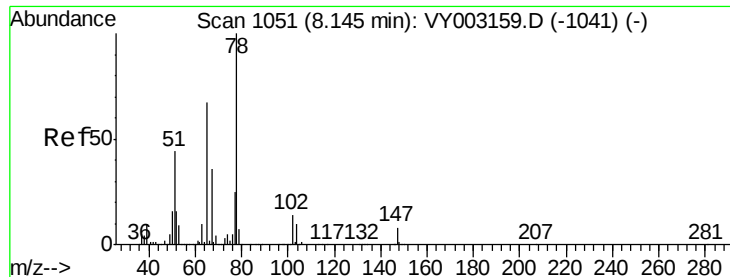
Tot Ion: 84 Resp: 72228
Ion Ratio Lower Upper
84 100
49 124.3 98.2 147.4
51 36.7 29.8 44.6
86 62.2 51.2 76.8



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.02 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

Tgt Ion: 56 Resp: 8568
Ion Ratio Lower Upper
56 100
69 145.9 26.7 40.1#
84 134.5 72.3 108.5#

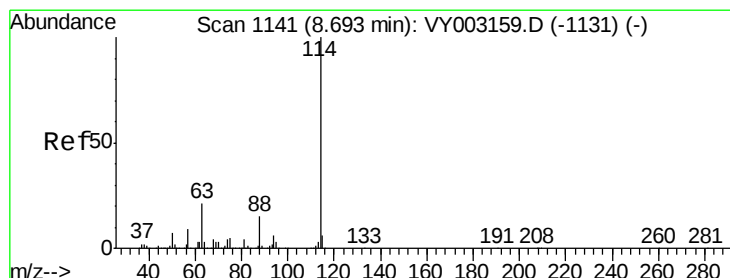
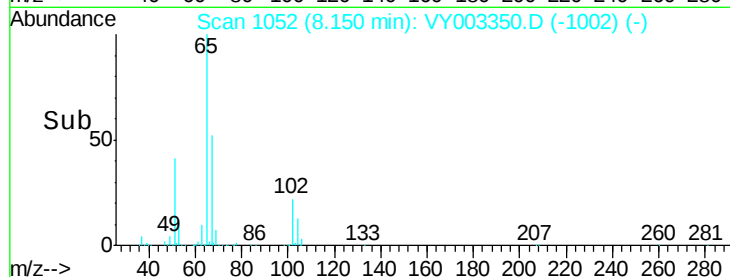
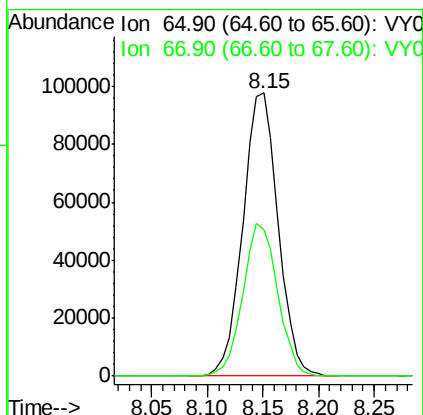
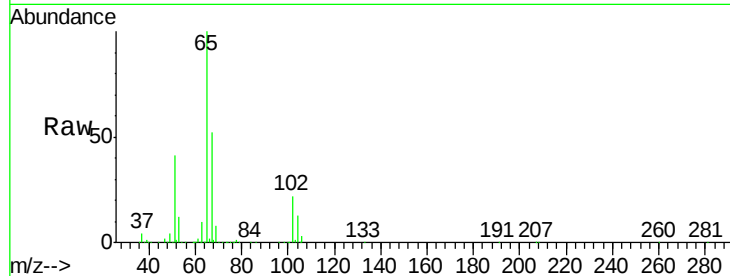




#33
 1,2-Dichloroethane-d4
 Concen: 57.722 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003350.D
 Acq: 24 Jul 2020 22:26

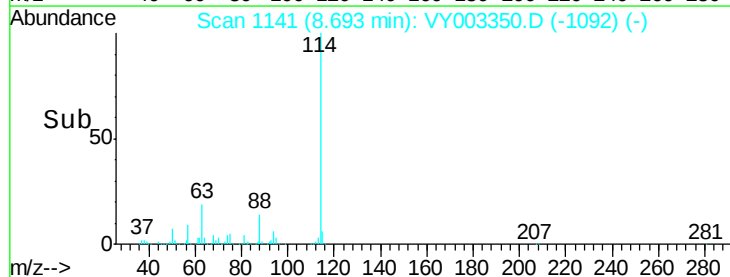
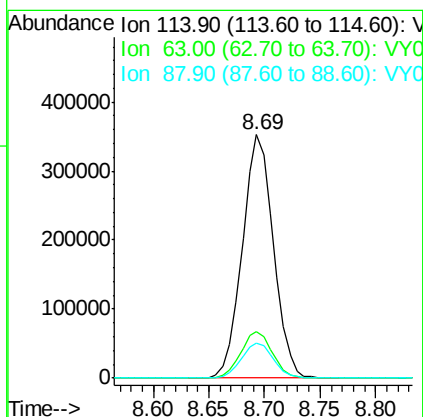
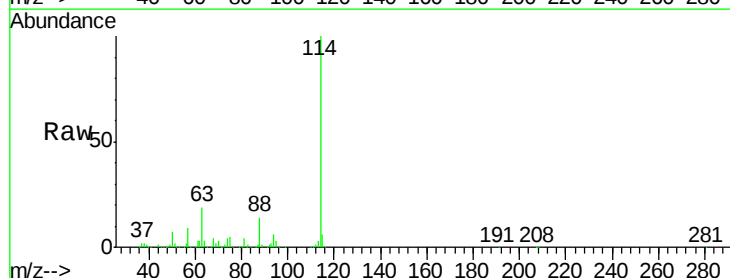
Instrument :
 MSVOA_Y
 ClientSampled :
 18

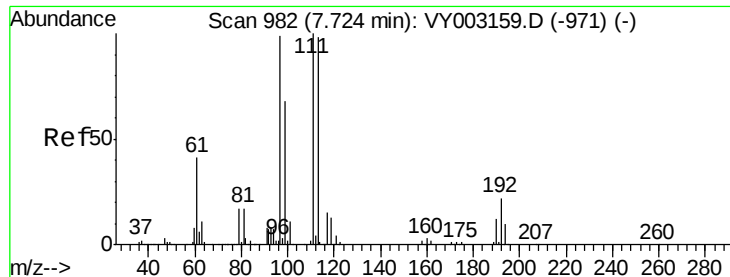
Tot Ion: 65 Resp: 214993
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003350.D
 Acq: 24 Jul 2020 22:26

Tgt Ion: 114 Resp: 683377
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.2
 88 14.2 0.0 30.2

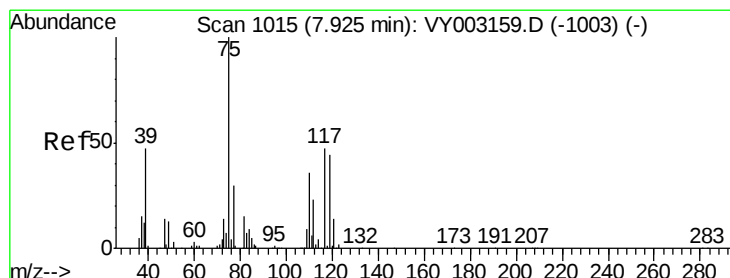
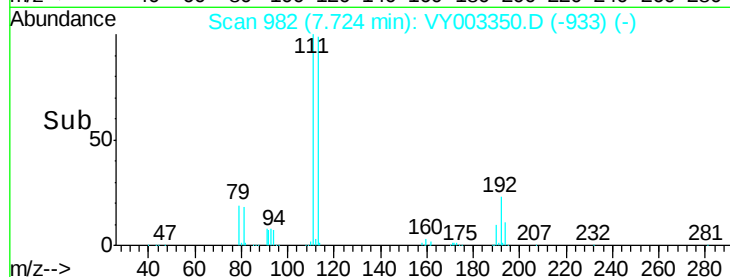
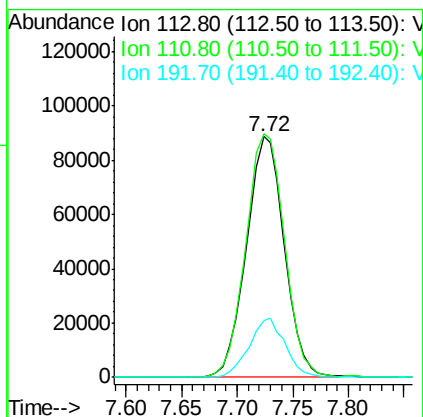
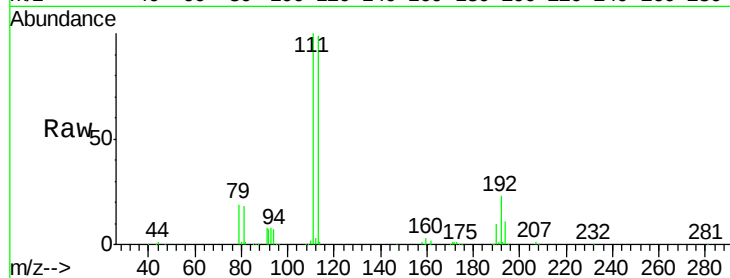




#35
Dibromofluoromethane
Concen: 53.481 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

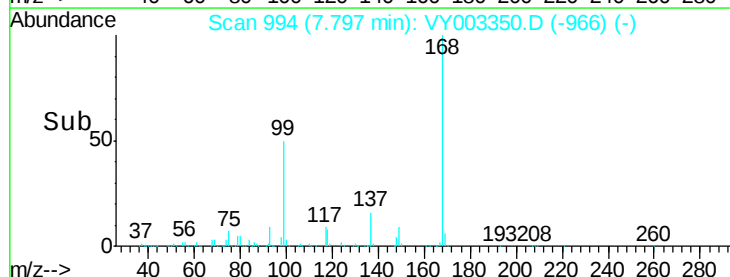
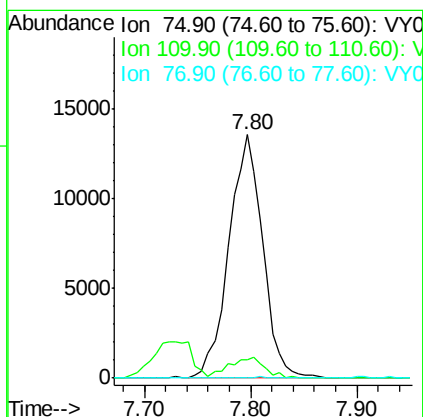
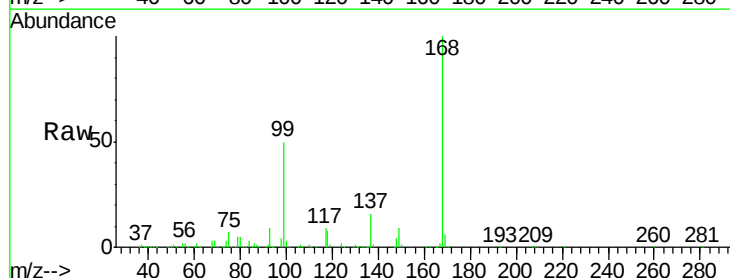
Instrument :
MSVOA_Y
ClientSampleId :
18

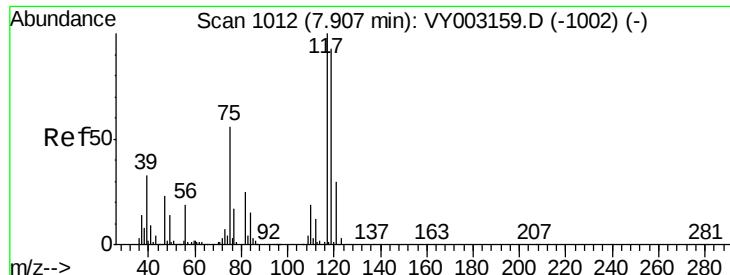
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.1	123.1
192	23.2	18.8	28.2



#36
1,1-Dichloropropene
Concen: 4.853 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.0	24.8	37.2#

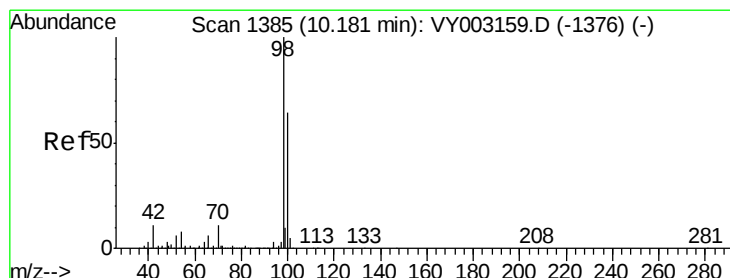
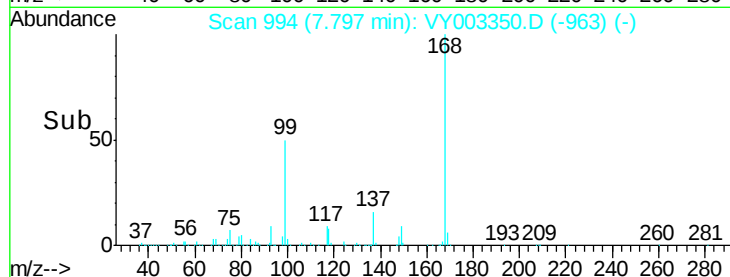
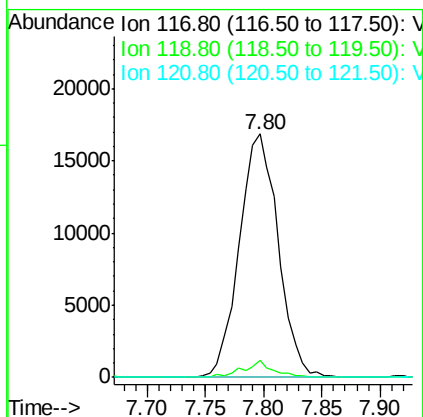
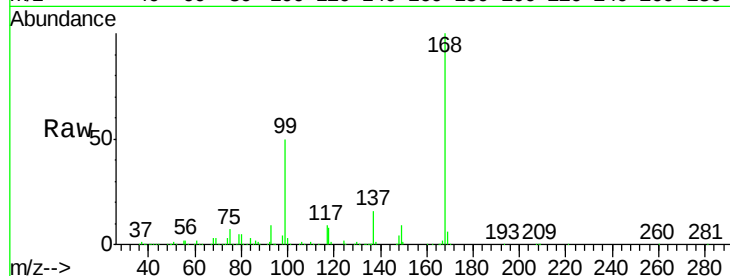




#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

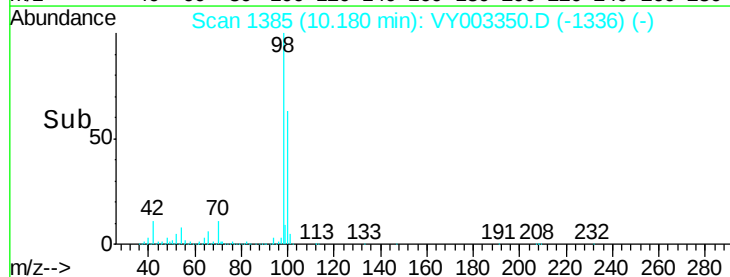
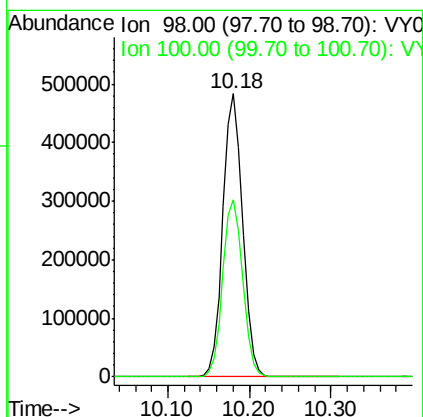
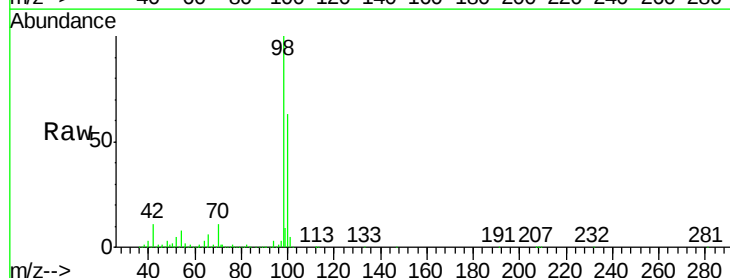
Instrument :
MSVOA_Y
ClientSampled :
18

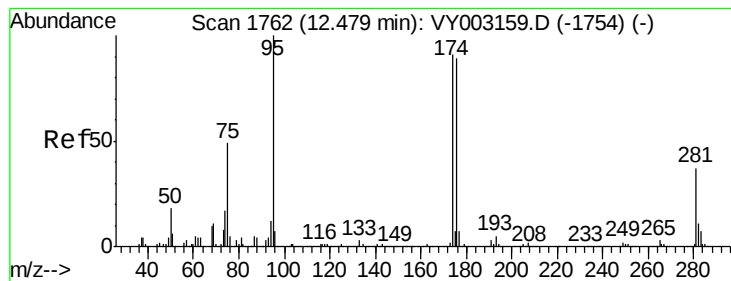
Tot Ion:117 Resp: 39166
Ion Ratio Lower Upper
117 100
119 6.8 74.5 111.7#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.430 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

Tgt Ion: 98 Resp: 810443
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 42.622 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003350.D

Acq: 24 Jul 2020 22:26

Instrument :

MSVOA_Y

ClientSampleId :

18

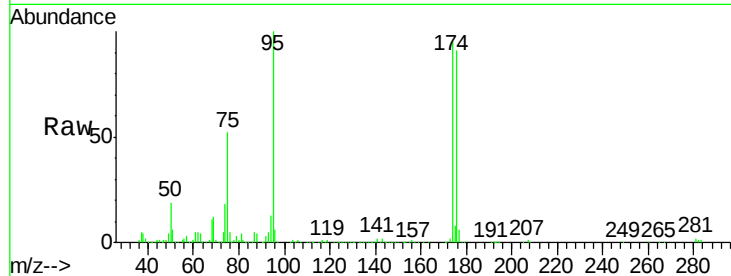
Tot Ion: 95 Resp: 225128

Ion Ratio Lower Upper

95 100

174 96.7 0.0 190.6

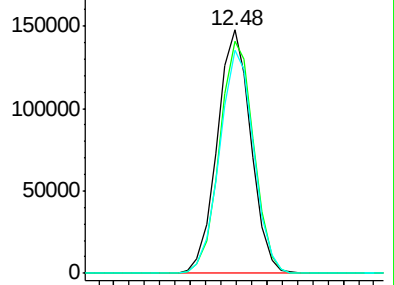
176 92.9 0.0 186.4



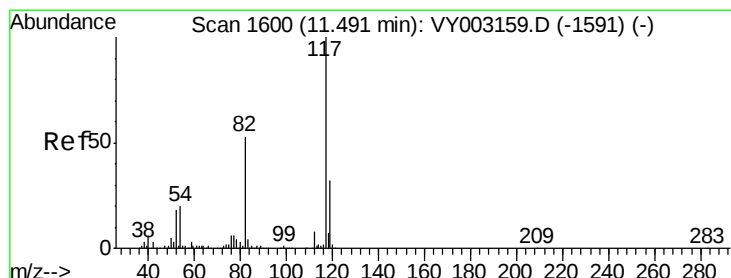
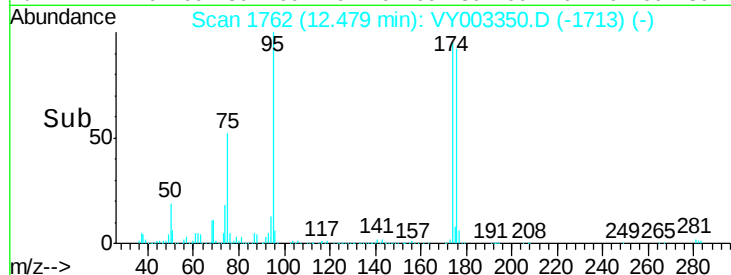
Abundance Ion 94.90 (94.60 to 95.60): VY003350.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003350.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003350.D (-1754) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003350.D

Acq: 24 Jul 2020 22:26

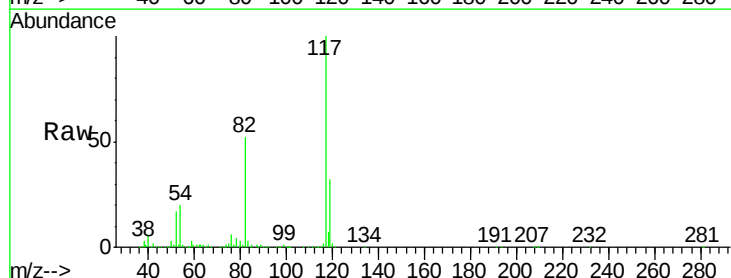
Tgt Ion: 117 Resp: 587114

Ion Ratio Lower Upper

117 100

82 51.8 42.0 63.0

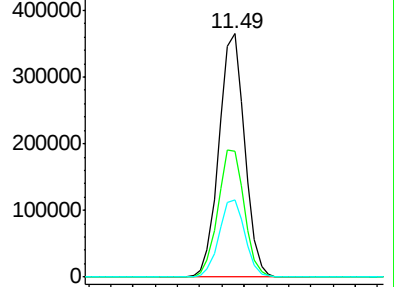
119 31.7 25.5 38.3



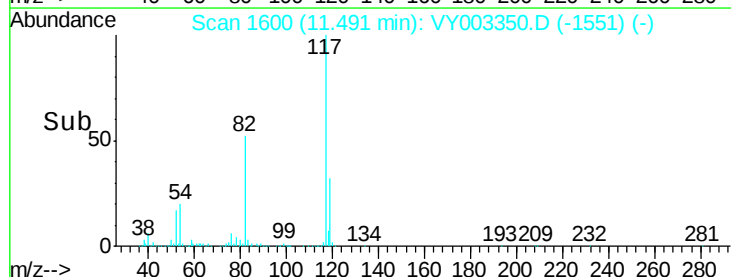
Abundance Ion 116.90 (116.60 to 117.60): VY003350.D (-1551) (-)

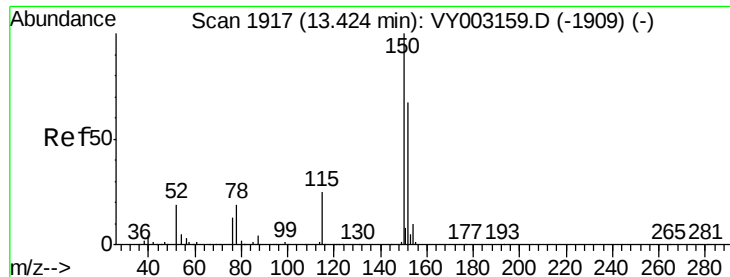
Ion 82.00 (81.70 to 82.70): VY003350.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003350.D (-1551) (-)



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: VY003350.D

Acq: 24 Jul 2020 22:26

Instrument :

MSVOA_Y

ClientSampled :

18

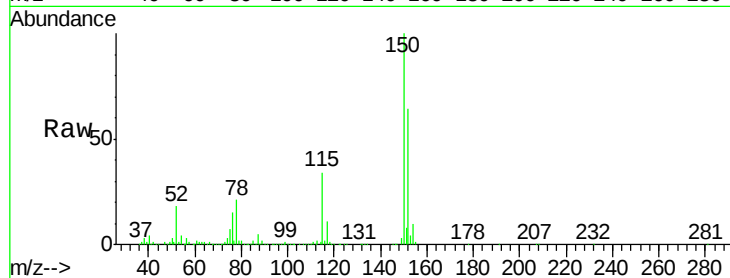
Tot Ion:152 Resp: 213030

Ion Ratio Lower Upper

152 100

115 55.1 26.9 80.7

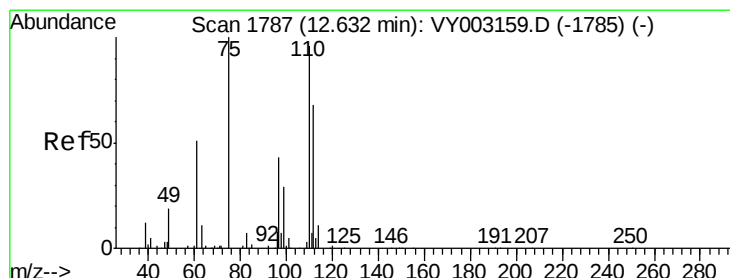
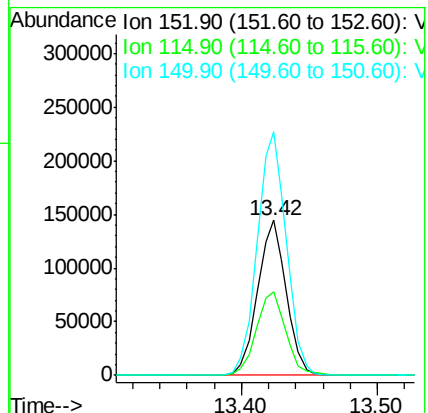
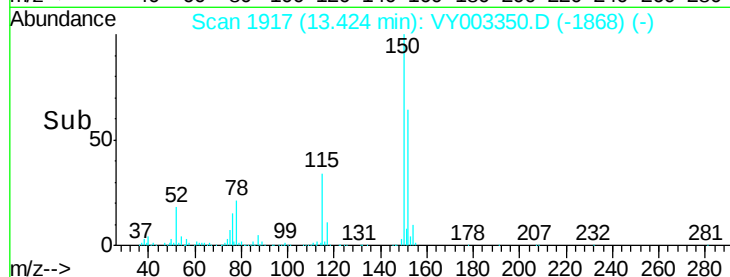
150 159.6 0.0 338.0



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: 61.377 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003350.D

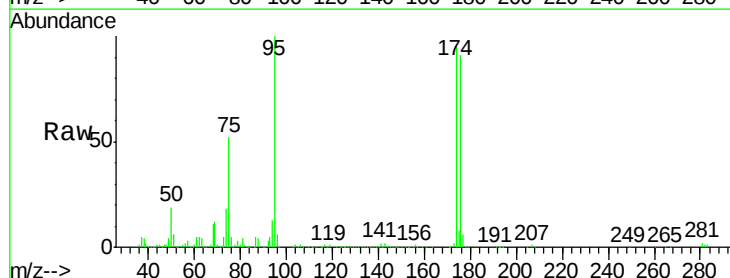
Acq: 24 Jul 2020 22:26

Tgt Ion: 75 Resp: 115737

Ion Ratio Lower Upper

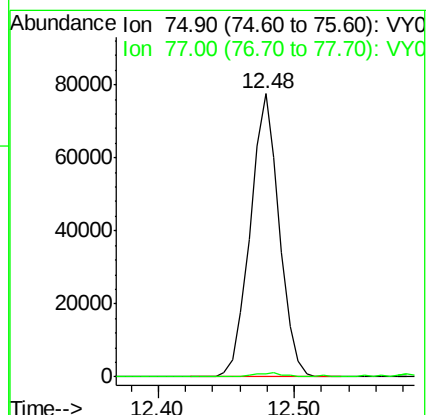
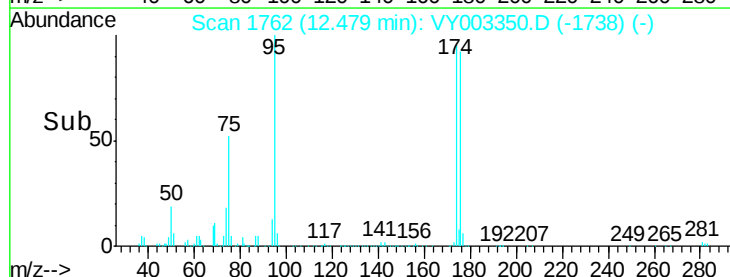
75 100

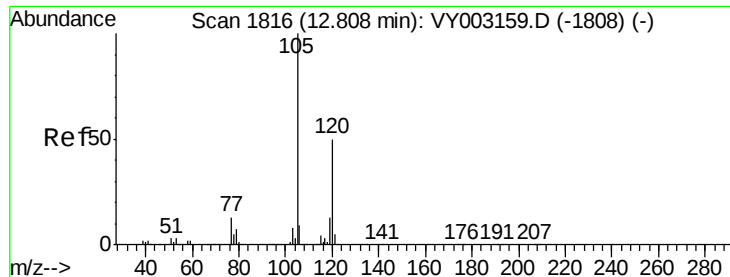
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 2.020 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003350.D

Acq: 24 Jul 2020 22:26

Instrument :

MSVOA_Y

ClientSampleId :

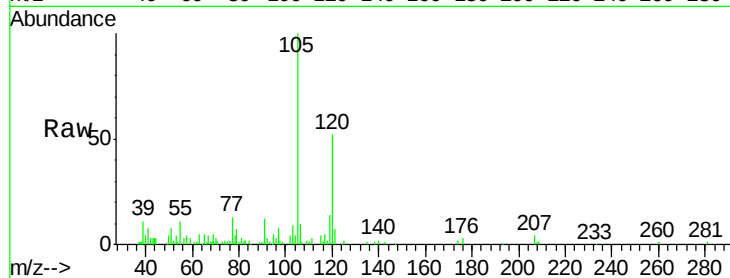
18

Tot Ion:105 Resp: 22855

Ion Ratio Lower Upper

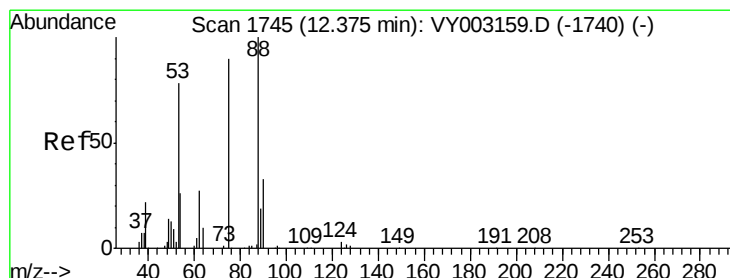
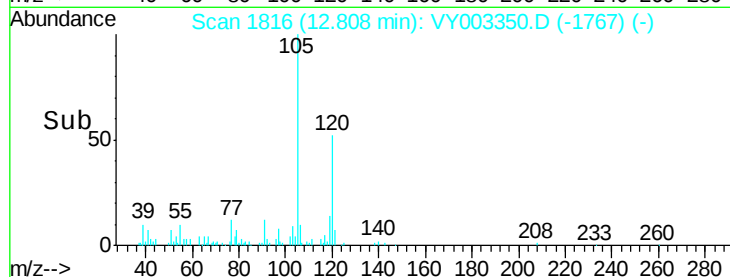
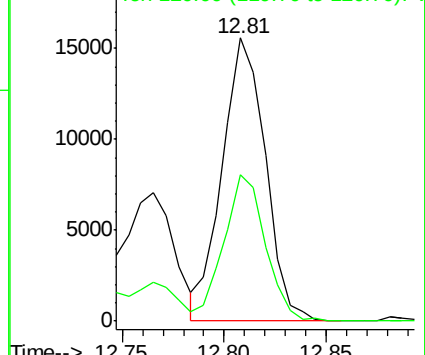
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 119.451 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003350.D

Acq: 24 Jul 2020 22:26

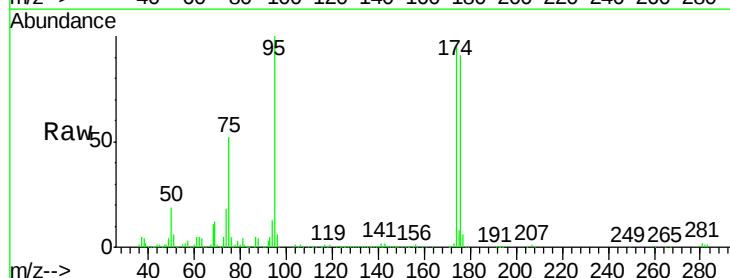
Tgt Ion: 75 Resp: 115737

Ion Ratio Lower Upper

75 100

53 0.3 72.0 108.0#

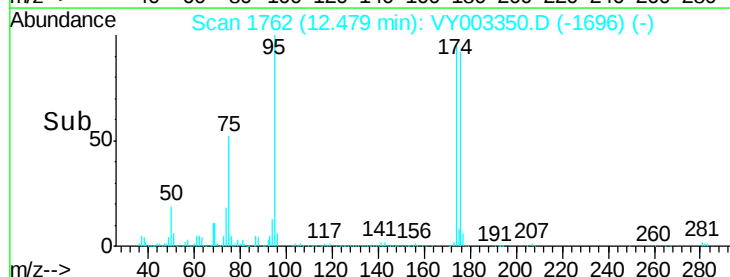
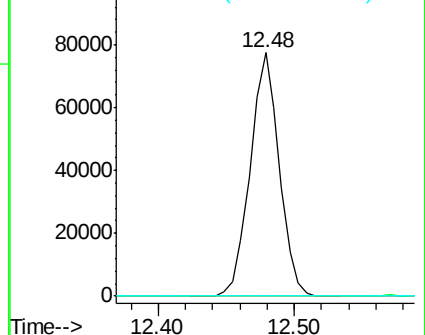
89 0.0 37.3 55.9#

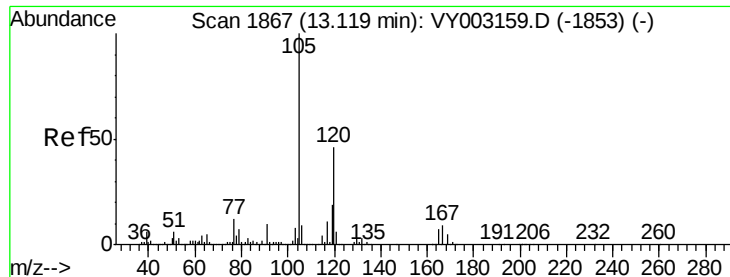


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

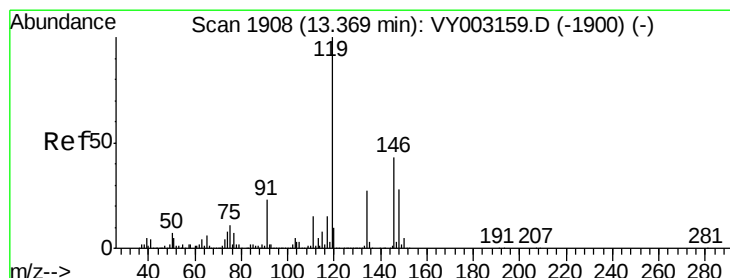
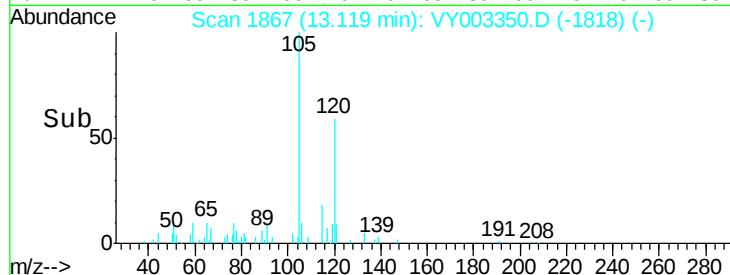
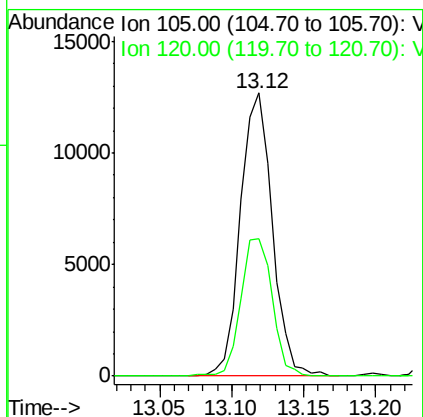
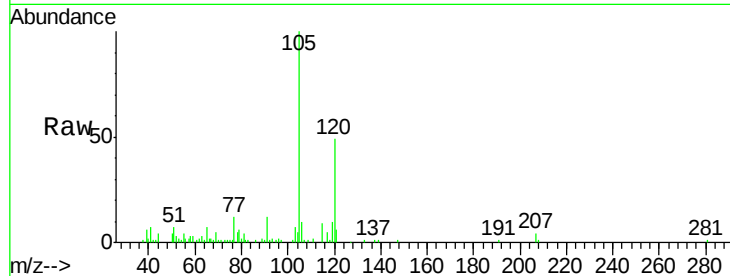




#84
 1,2,4-Trimethylbenzene
 Concen: 1.707 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003350.D
 Acq: 24 Jul 2020 22:26

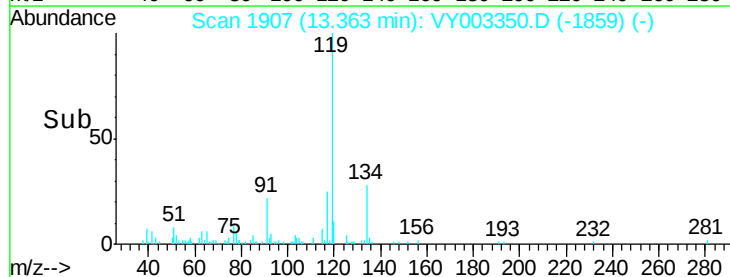
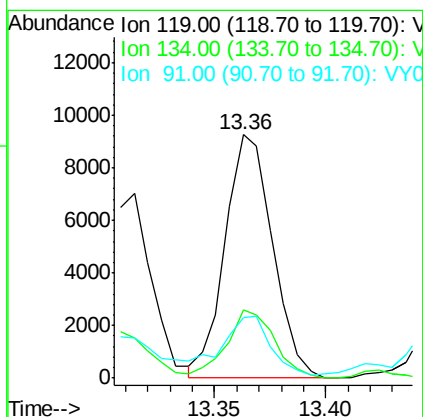
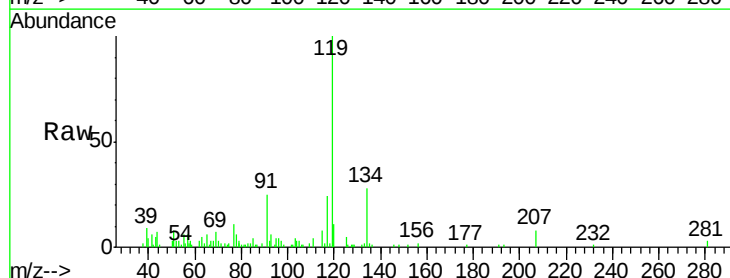
Instrument :
 MSVOA_Y
 ClientSampleId :
 18

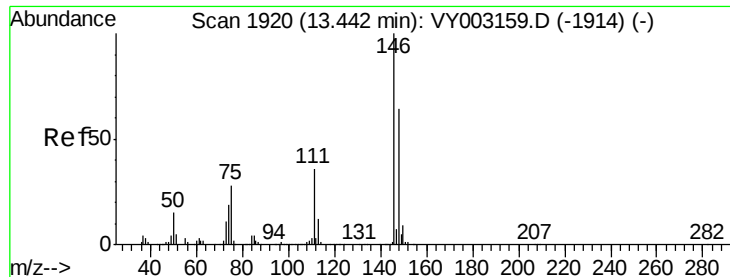
Tot Ion:105 Resp: 19433
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 1.073 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY003350.D
 Acq: 24 Jul 2020 22:26

Tgt Ion:119 Resp: 13754
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.4 40.2
 91 24.5 11.2 33.6





#88

1,4-Dichlorobenzene

Concen: 1.006 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY003350.D

Acq: 24 Jul 2020 22:26

Instrument :

MSVOA_Y

ClientSampled :

18

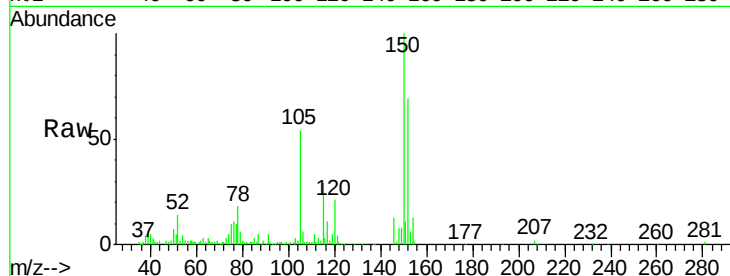
Tot Ion:146 Resp: 6519

Ion Ratio Lower Upper

146 100

111 77.8 18.4 55.0#

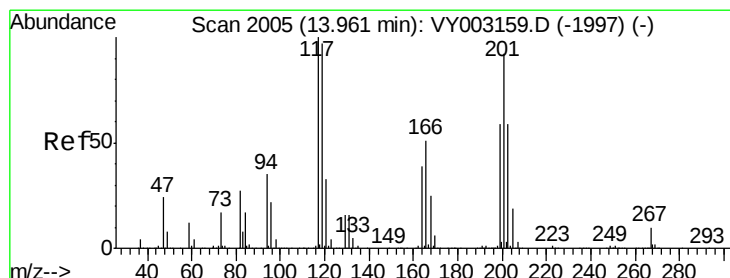
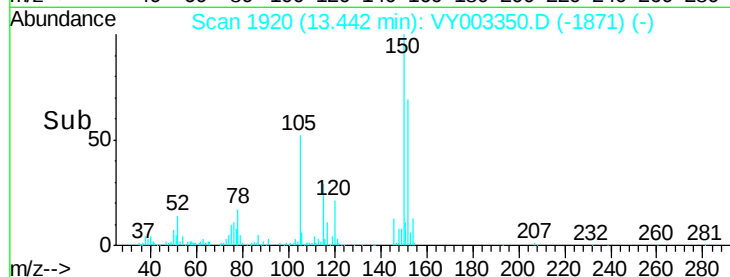
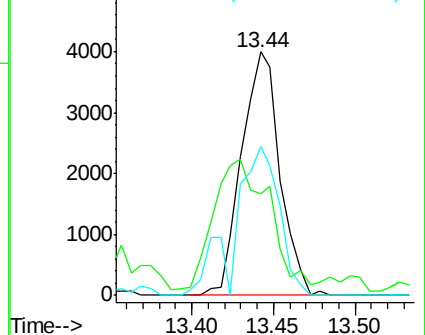
148 71.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 1.842 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003350.D

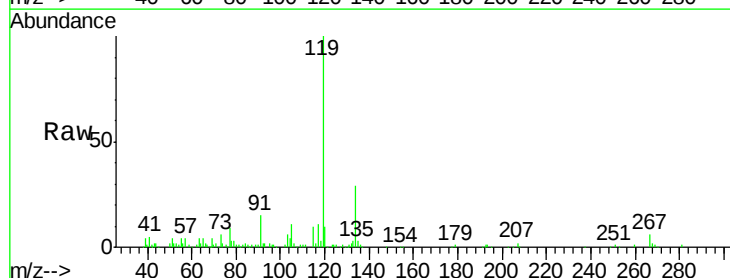
Acq: 24 Jul 2020 22:26

Tgt Ion:117 Resp: 4299

Ion Ratio Lower Upper

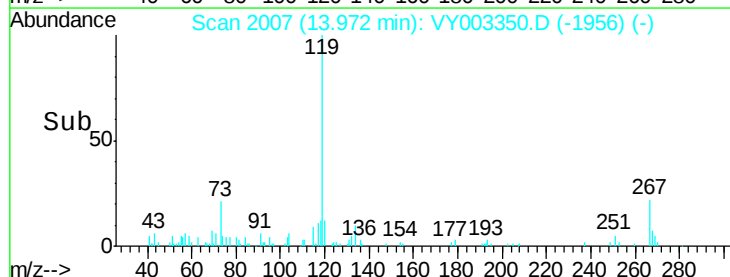
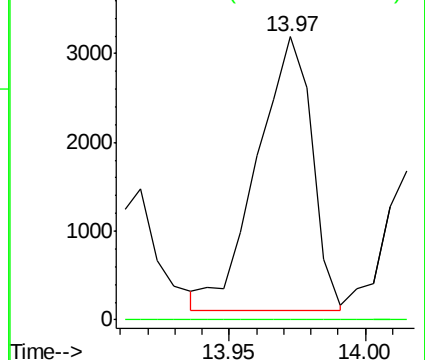
117 100

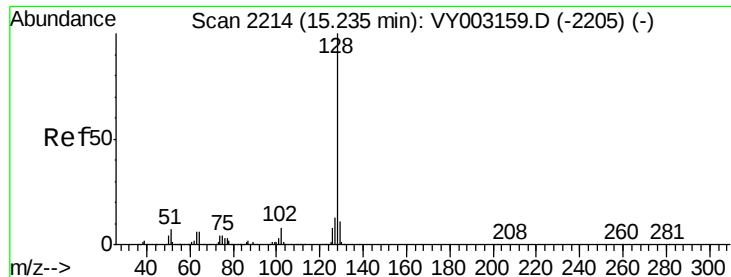
201 0.0 45.1 135.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

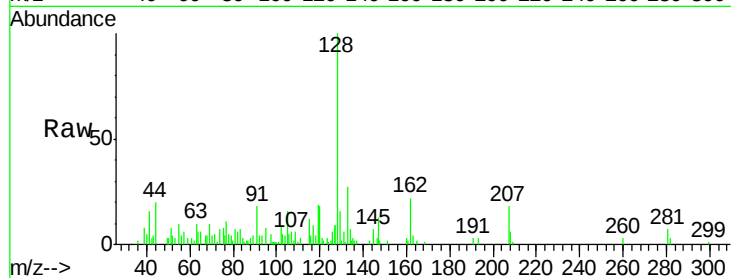




#95
Naphthalene
Concen: 1.220 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY003350.D
Acq: 24 Jul 2020 22:26

Instrument :
MSVOA_Y
ClientSampleId :
18

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.1	10.9	16.3#
129	8.9	9.0	13.6#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

