

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\
 Data File : VY003190.D
 Acq On : 14 Jul 2020 12:57
 Operator : SY/MD
 Sample : L3179-01
 Misc : 6.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-071320

Quant Time: Jul 15 04:13:23 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	403391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	600643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	544399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	265348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	198417	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
35) Dibromofluoromethane	7.73	113	187705	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
50) Toluene-d8	10.18	98	722638	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
62) 4-Bromofluorobenzene	12.48	95	235754	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

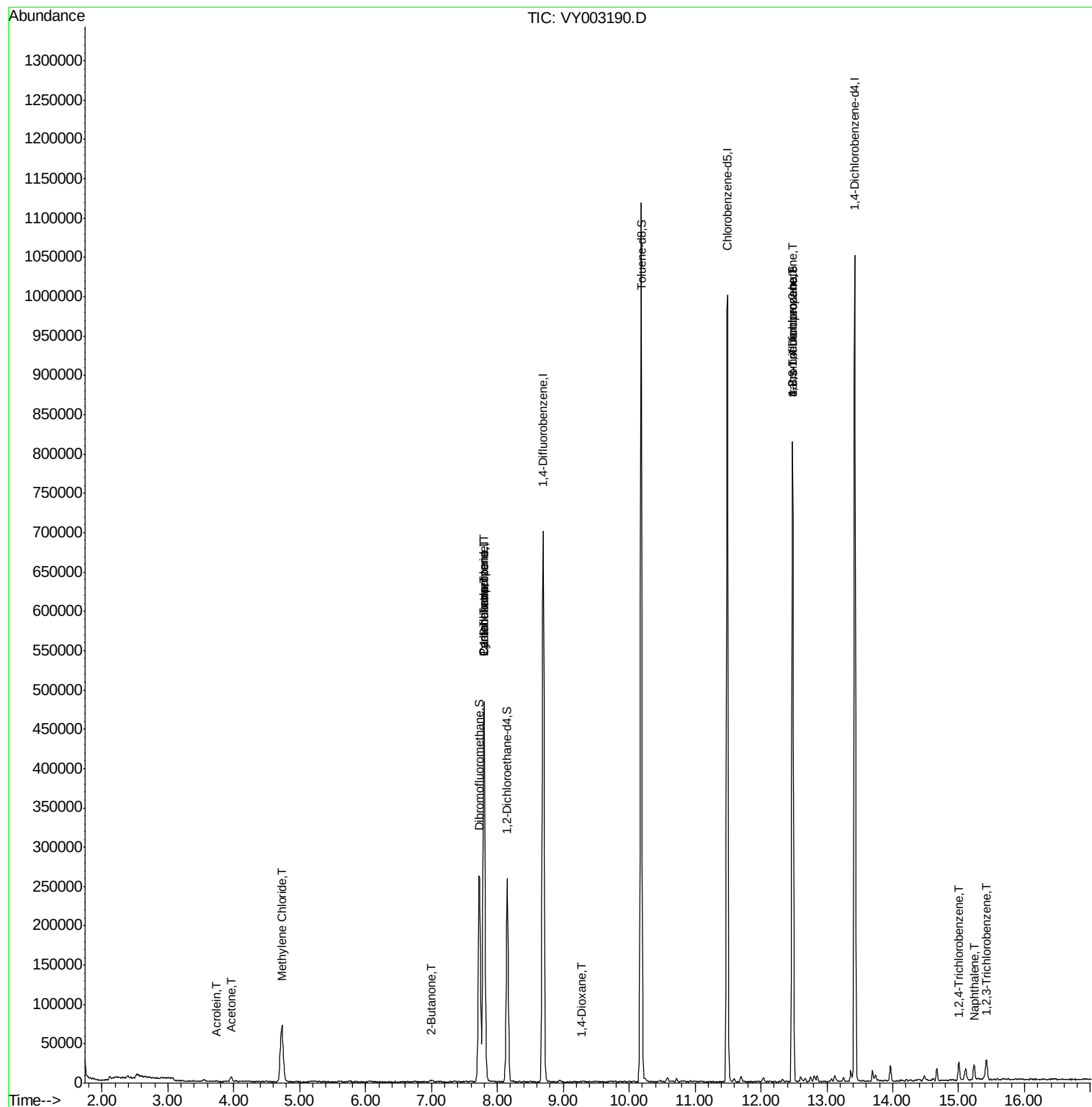
					Qvalue
13) Acrolein	3.74	56	452	1.414	ug/l 90
16) Acetone	3.96	43	9120	11.992	ug/l 99
20) Methylene Chloride	4.73	84	56617	10.449	ug/l 95
25) 2-Butanone	6.99	43	2715	2.174	ug/l # 78
31) Cyclohexane	7.80	56	7520	1.214	ug/l # 16
36) 1,1-Dichloropropene	7.79	75	27675	5.084	ug/l # 50
38) Carbon Tetrachloride	7.80	117	35516	6.320	ug/l # 17
49) 1,4-Dioxane	9.28	88	86	2.991	ug/l # 28
76) 1,2,3-Trichloropropane	12.48	75	122081	51.976	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	122081	101.156	ug/l # 13
93) 1,2,4-Trichlorobenzene	15.00	180	7059	1.387	ug/l 98
95) Naphthalene	15.23	128	16840	2.002	ug/l 99
96) 1,2,3-Trichlorobenzene	15.42	180	8252	2.051	ug/l 99

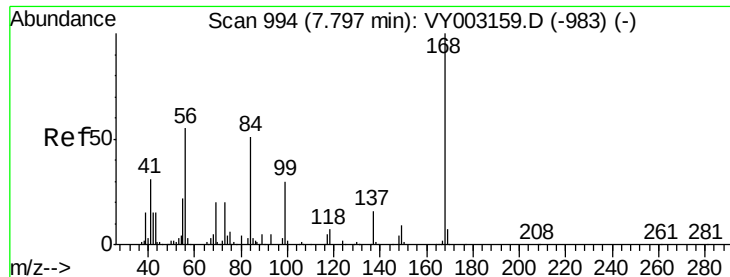
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003190.D

Acq: 14 Jul 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

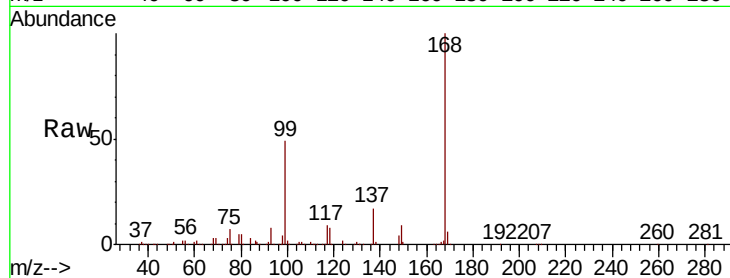
HR-05-071320

Tot Ion:168 Resp: 403391

Ion Ratio Lower Upper

168 100

99 48.7 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

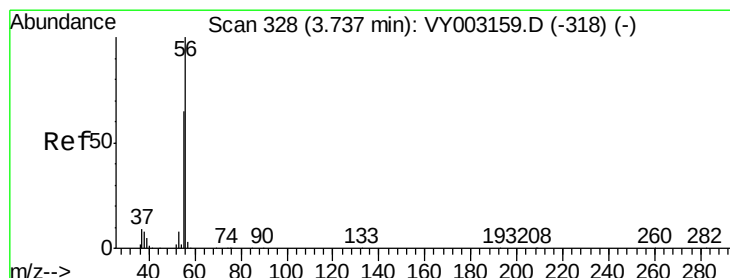
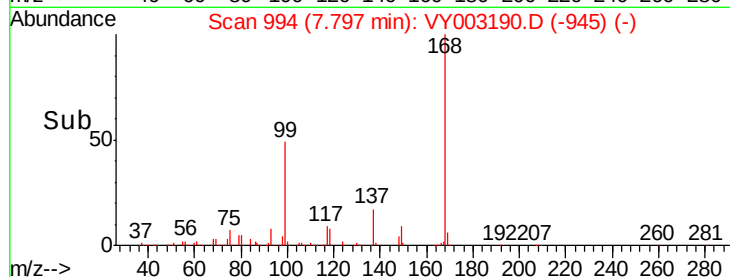
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.414 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003190.D

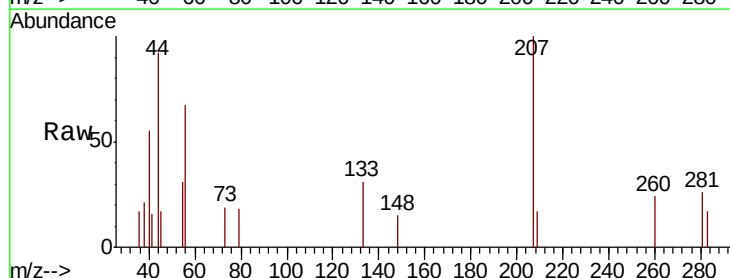
Acq: 14 Jul 2020 12:57

Tgt Ion: 56 Resp: 452

Ion Ratio Lower Upper

56 100

55 61.7 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VY003159.D (-318) (-)

Ion 55.00 (54.70 to 55.70): VY003159.D (-318) (-)

3.74

400

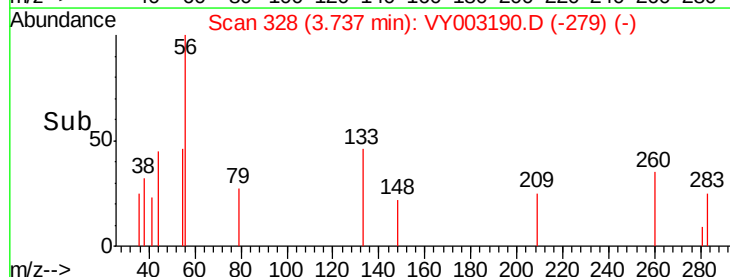
300

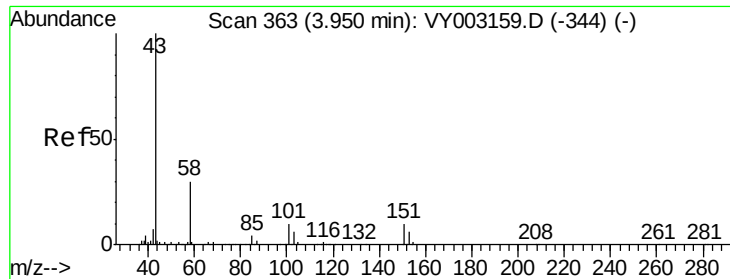
200

100

0

Time-->





#16

Acetone

Concen: 11.992 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

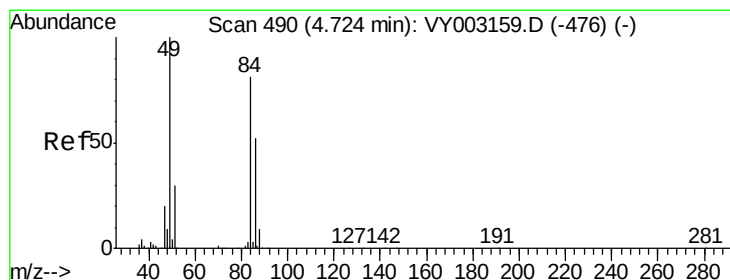
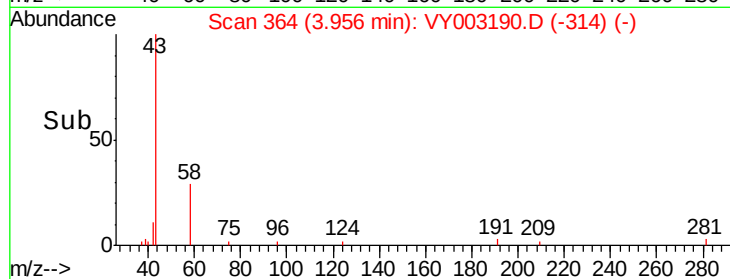
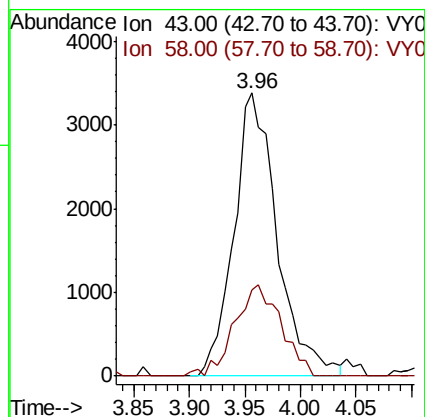
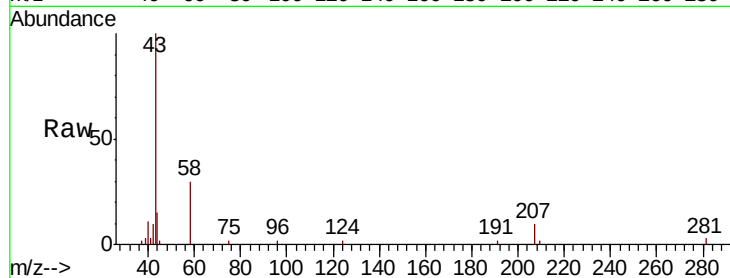
HR-05-071320

Tot Ion: 43 Resp: 9120

Ion Ratio Lower Upper

43 100

58 30.3 23.8 35.6



#20

Methylene Chloride

Concen: 10.449 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

Tgt Ion: 84 Resp: 56617

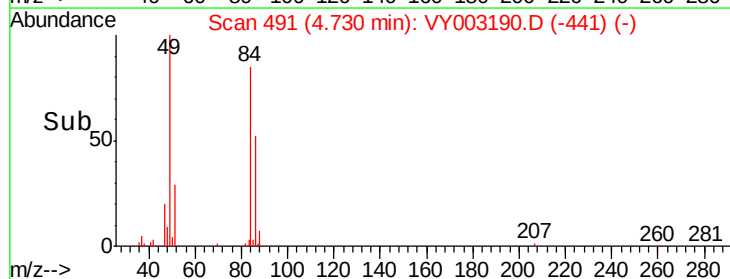
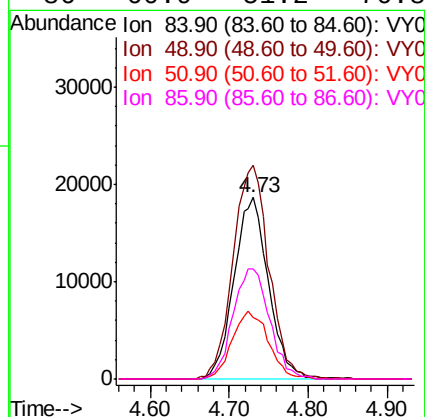
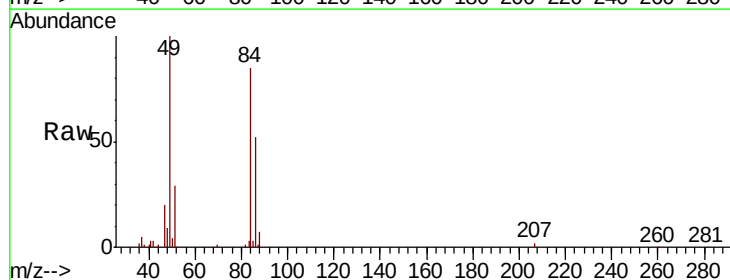
Ion Ratio Lower Upper

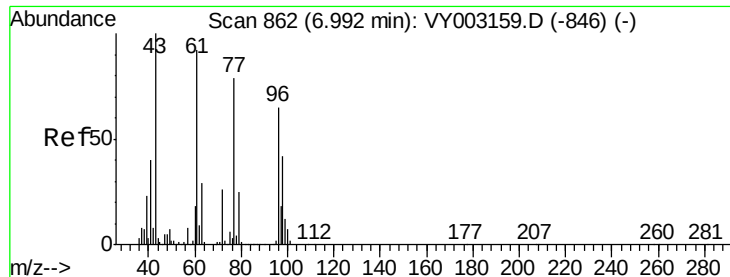
84 100

49 117.5 98.2 147.4

51 34.1 29.8 44.6

86 60.9 51.2 76.8

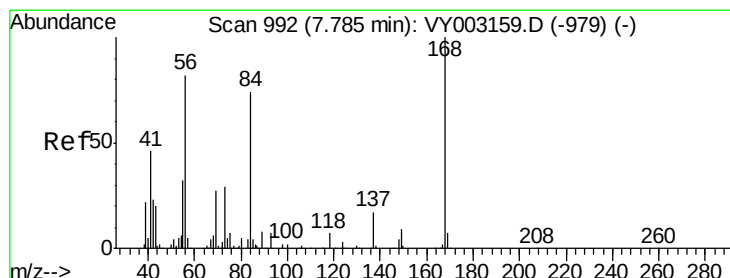
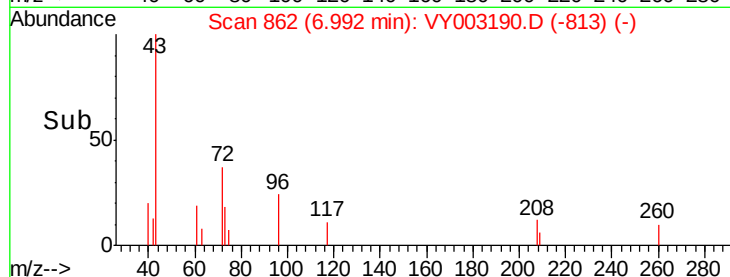
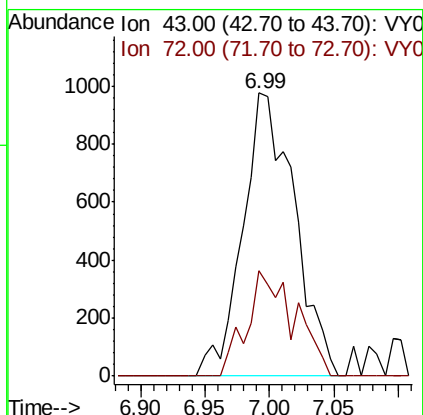
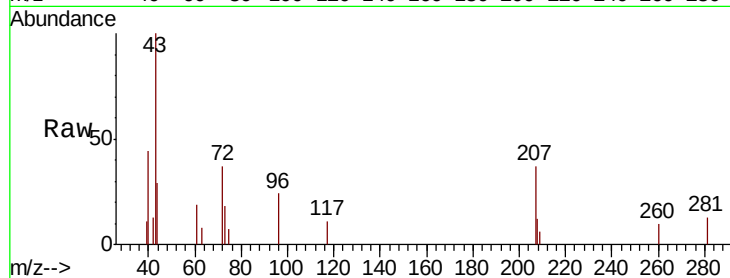




#25
2-Butanone
Concen: 2.174 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003190.D
Acq: 14 Jul 2020 12:57

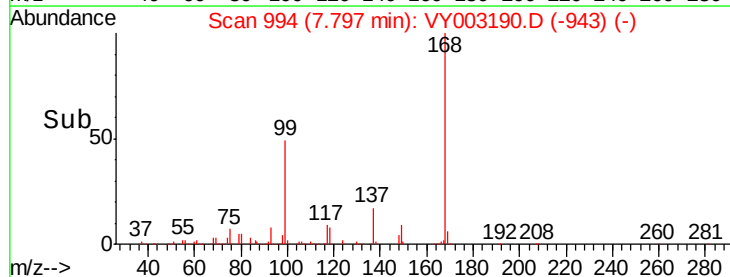
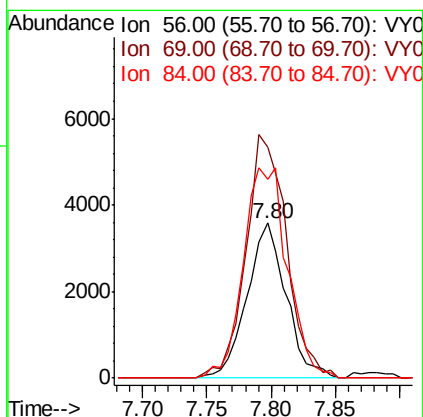
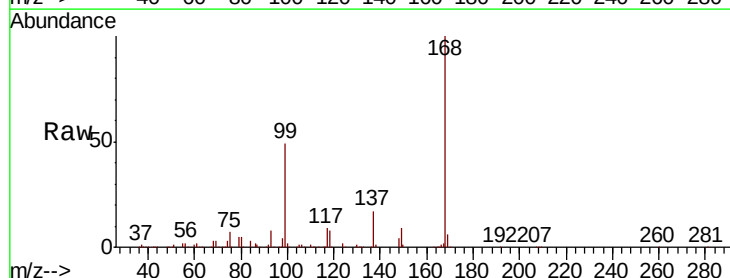
Instrument :
MSVOA_Y
ClientSampleId :
HR-05-071320

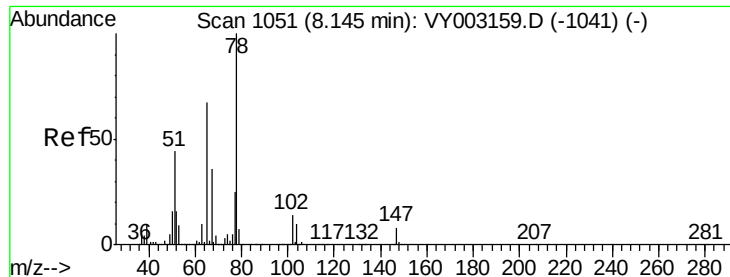
Tot Ion: 43 Resp: 2715
Ion Ratio Lower Upper
43 100
72 37.1 20.9 31.3#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003190.D
Acq: 14 Jul 2020 12:57

Tgt Ion: 56 Resp: 7520
Ion Ratio Lower Upper
56 100
69 149.0 26.7 40.1#
84 128.0 72.3 108.5#

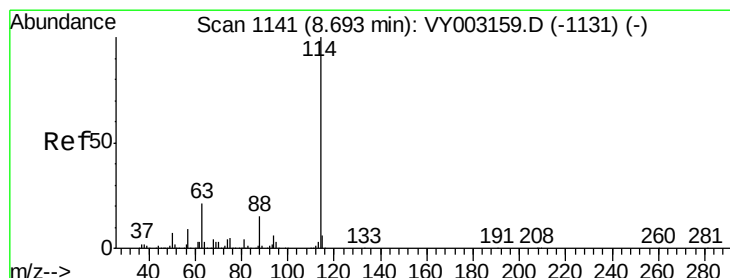
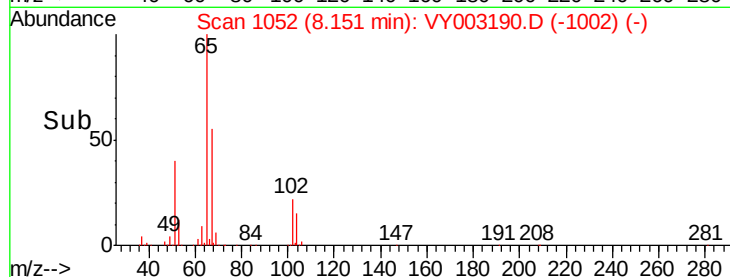
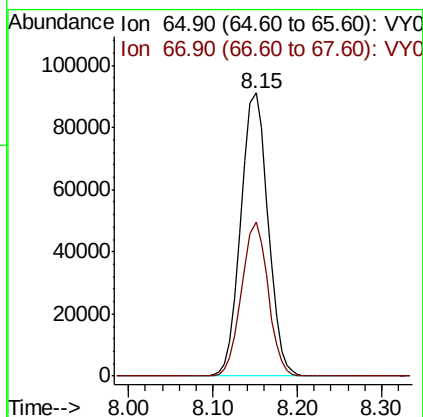
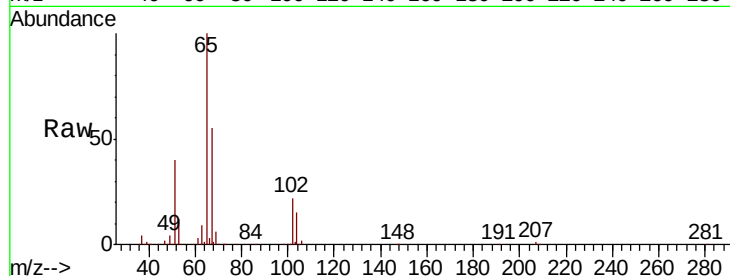




#33
 1,2-Dichloroethane-d4
 Concen: 58.276 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

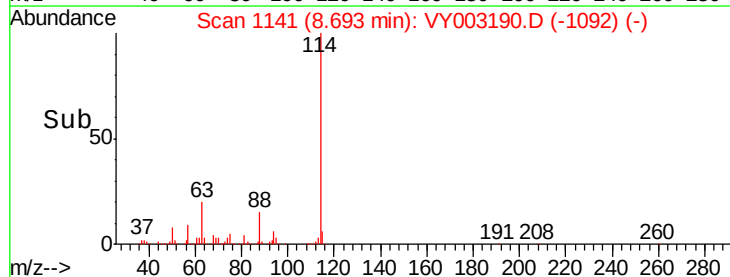
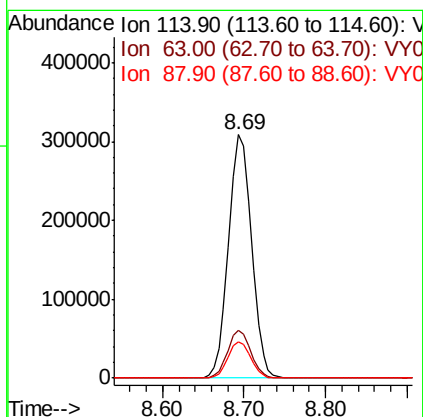
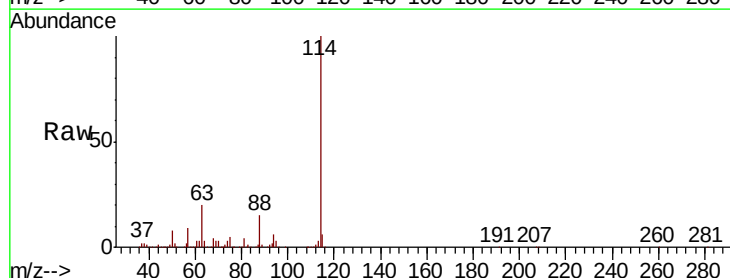
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-071320

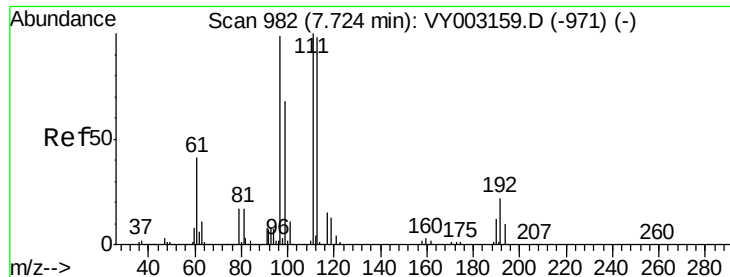
Tot Ion: 65 Resp: 198417
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

Tgt Ion: 114 Resp: 600643
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.2
 88 15.1 0.0 30.2

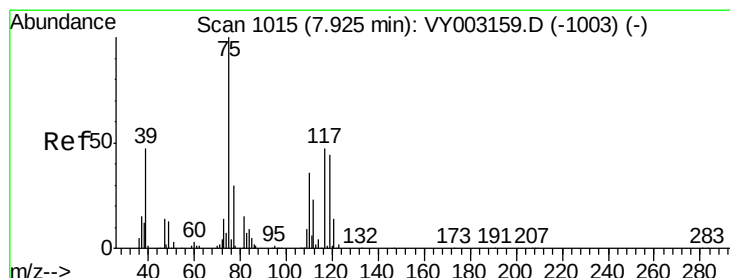
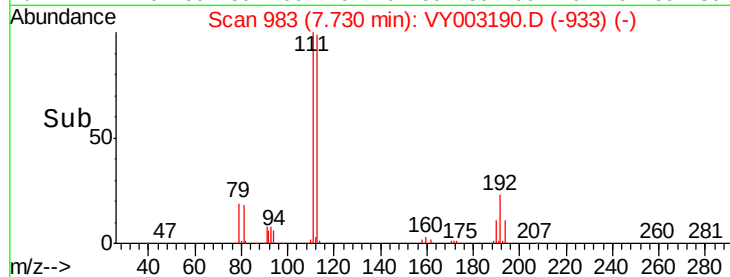
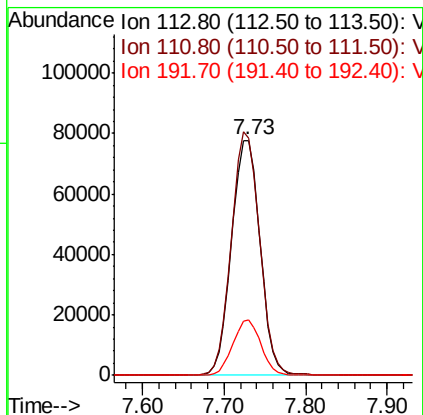
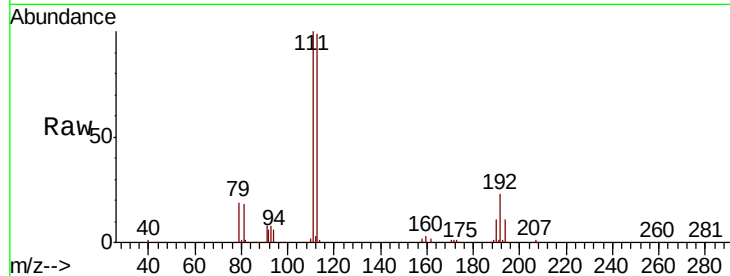




#35
 Dibromofluoromethane
 Concen: 54.304 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

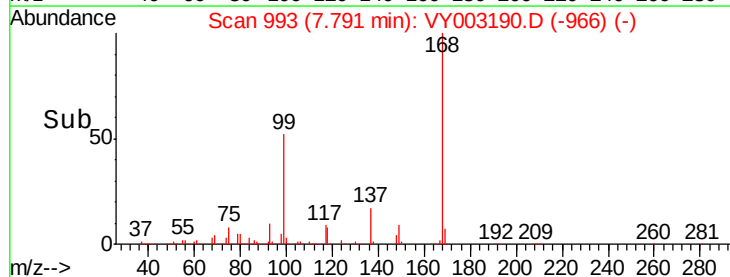
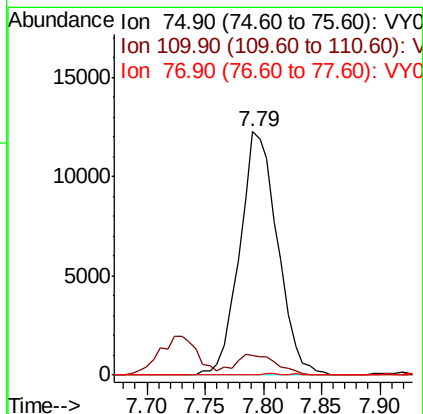
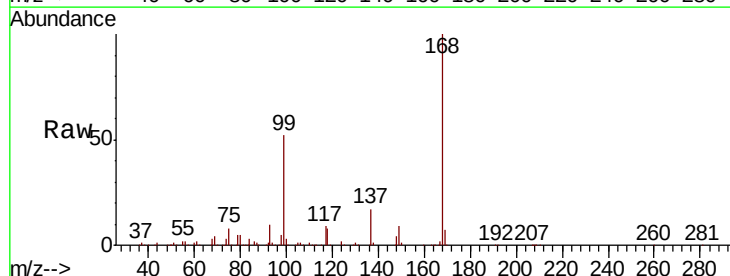
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-071320

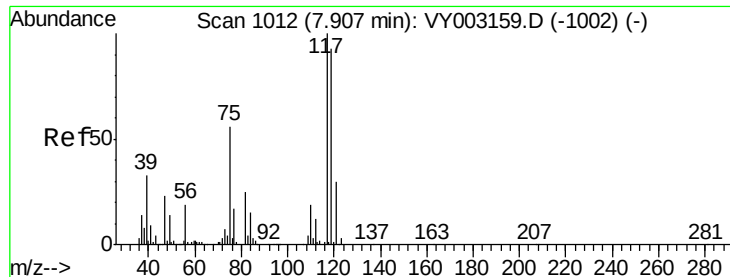
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.1	123.1
192	23.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.320 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

HR-05-071320

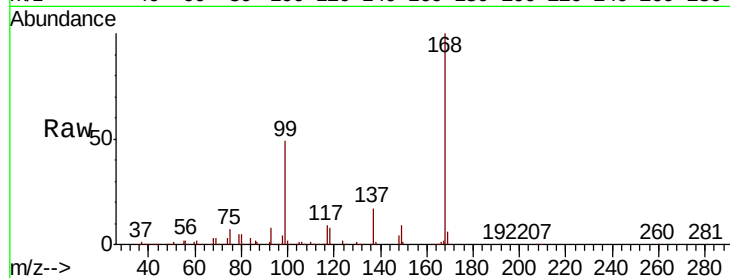
Tot Ion:117 Resp: 35516

Ion Ratio Lower Upper

117 100

119 4.6 74.5 111.7#

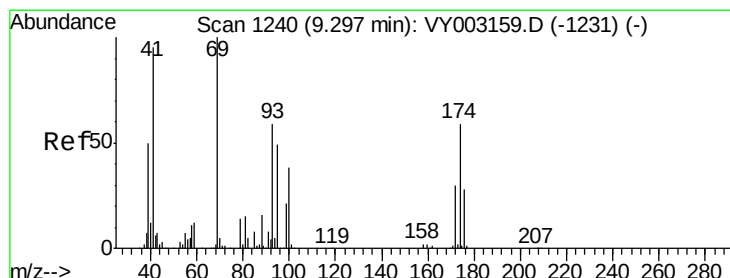
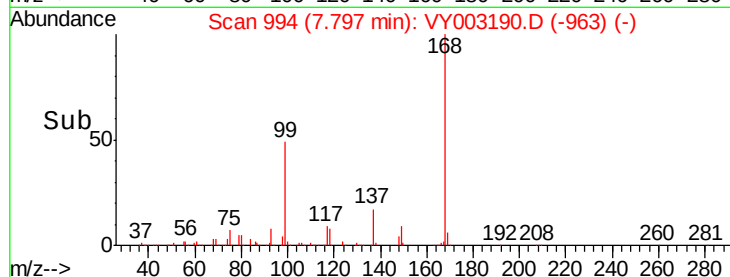
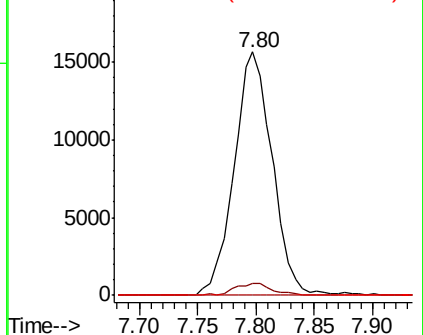
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 2.991 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

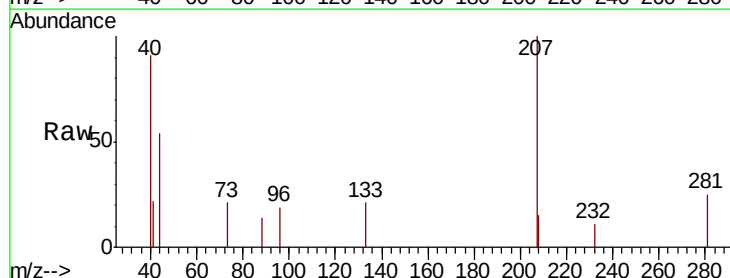
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

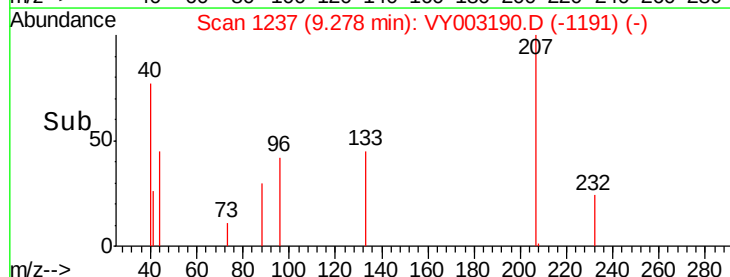
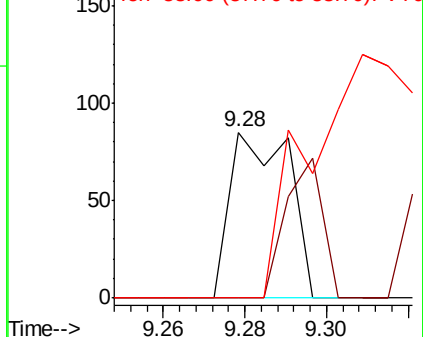
58 0.0 47.8 71.6#

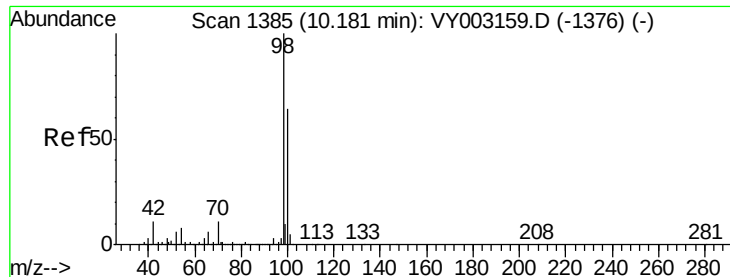


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 56.232 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

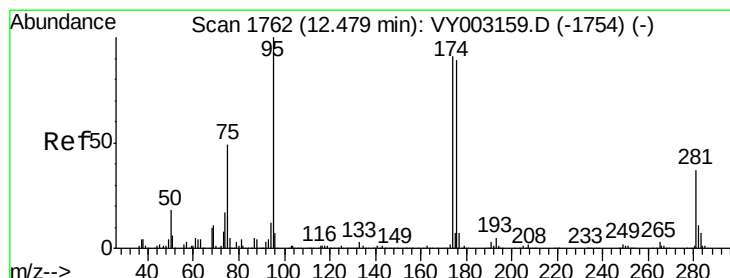
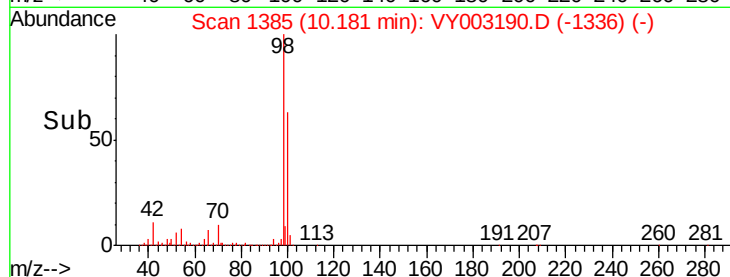
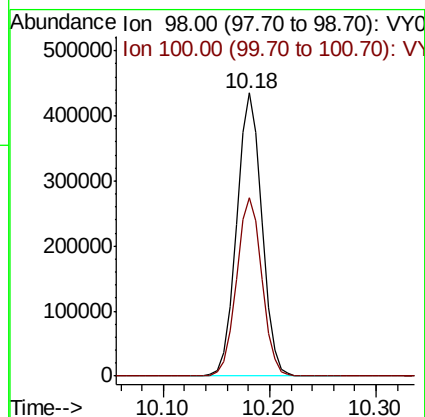
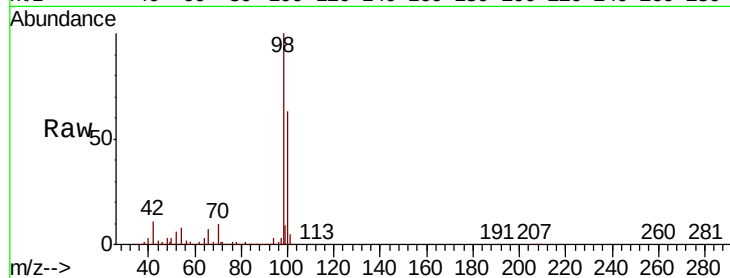
HR-05-071320

Tot Ion: 98 Resp: 722638

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 50.781 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

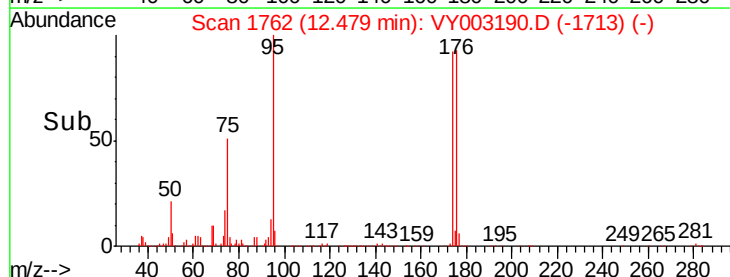
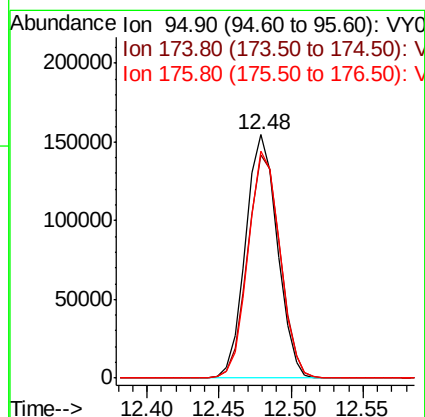
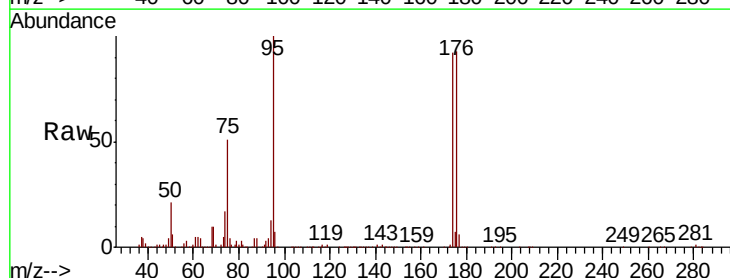
Tgt Ion: 95 Resp: 235754

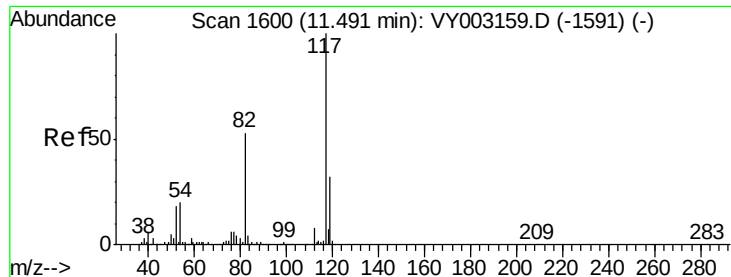
Ion Ratio Lower Upper

95 100

174 93.6 0.0 190.6

176 92.8 0.0 186.4

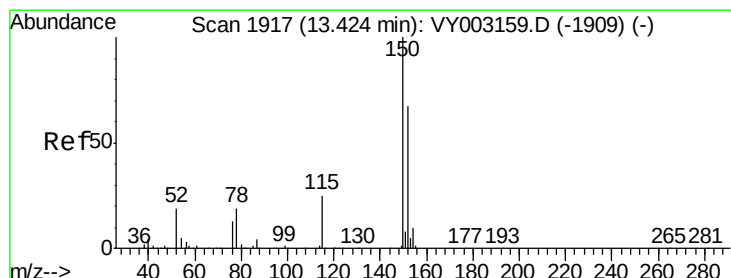
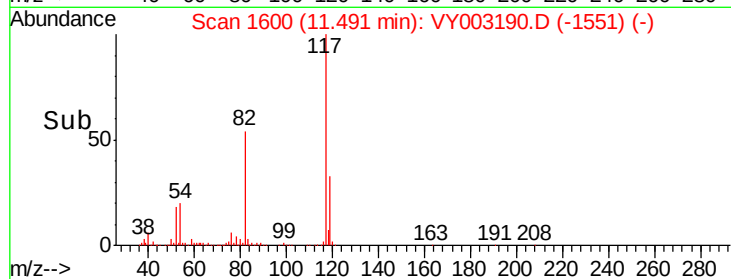
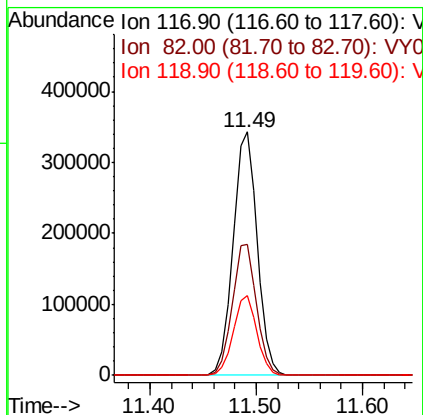
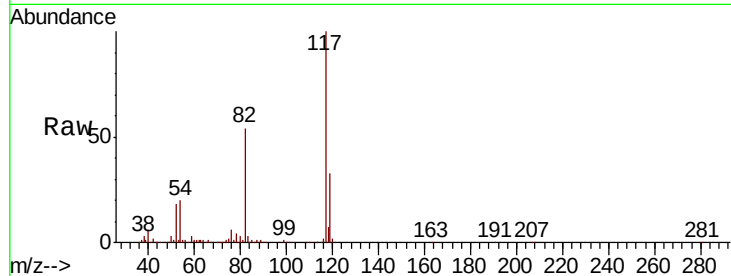




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003190.D
Acq: 14 Jul 2020 12:57

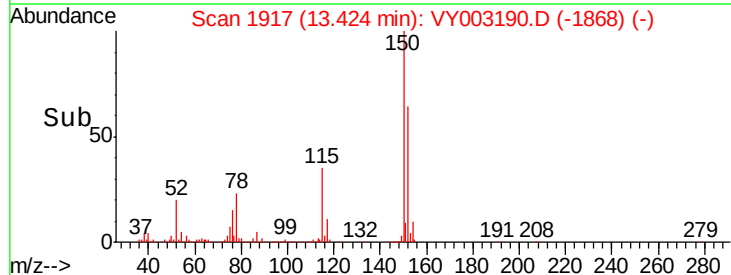
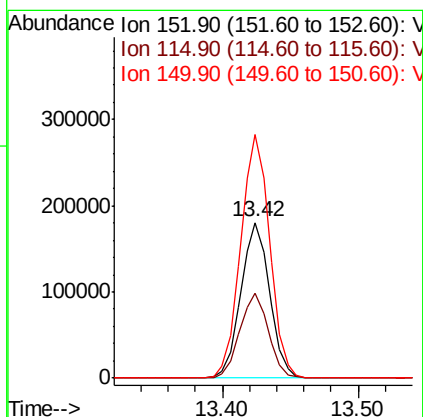
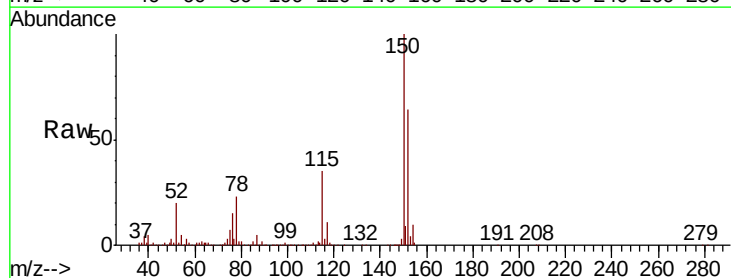
Instrument :
MSVOA_Y
ClientSampleId :
HR-05-071320

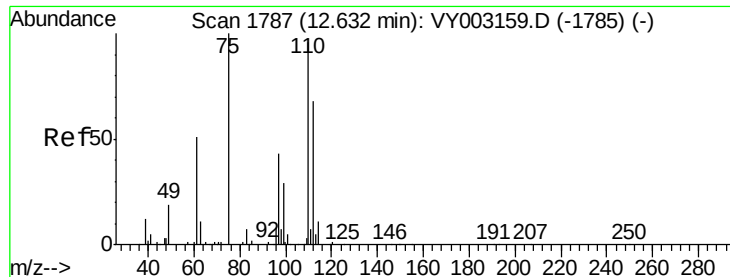
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.0	63.0
119	32.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003190.D
Acq: 14 Jul 2020 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	26.9	80.7
150	158.4	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 51.976 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

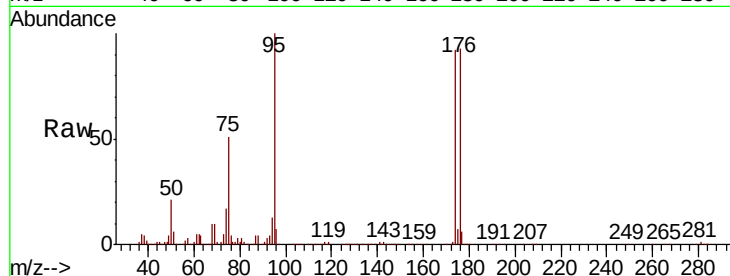
HR-05-071320

Tot Ion: 75 Resp: 122081

Ion Ratio Lower Upper

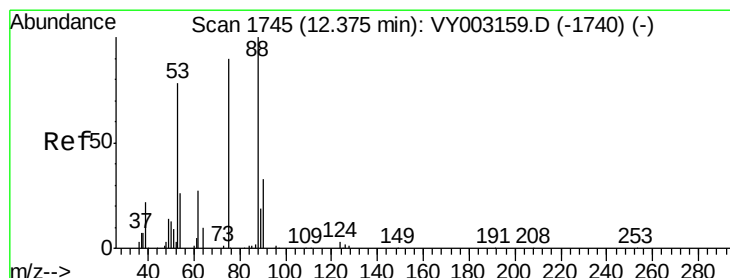
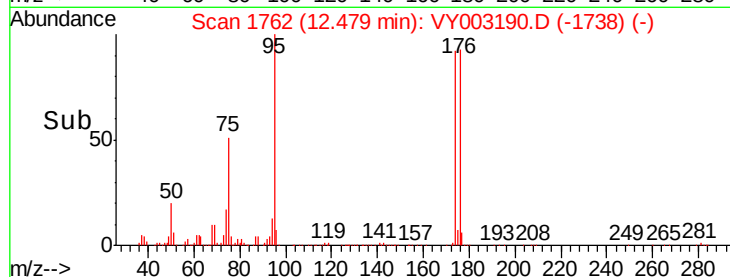
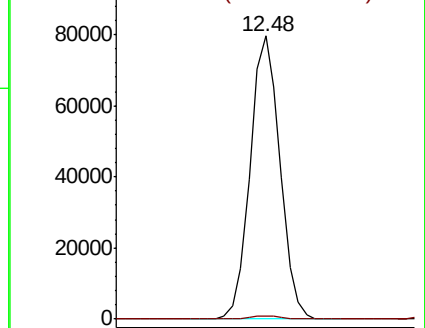
75 100

77 1.3 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: 101.156 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003190.D

Acq: 14 Jul 2020 12:57

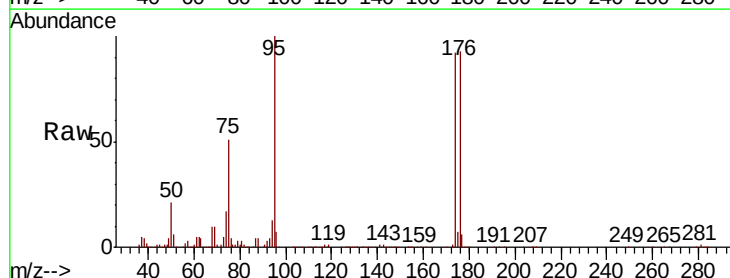
Tgt Ion: 75 Resp: 122081

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

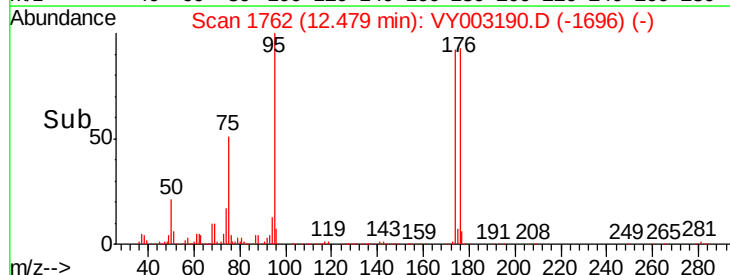
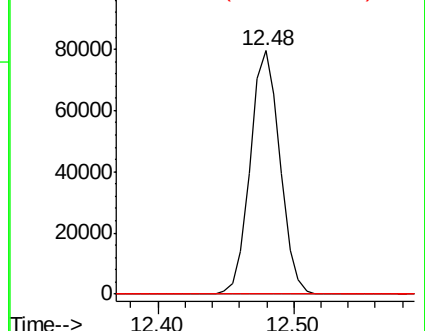
89 0.1 37.3 55.9#

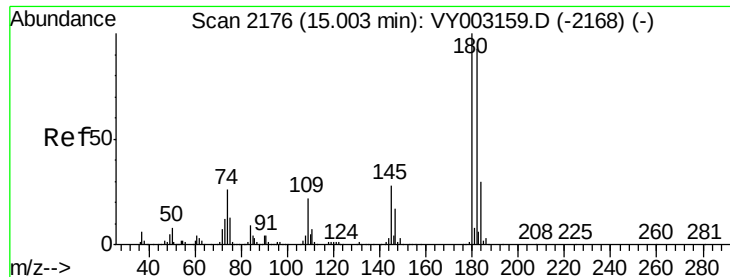


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

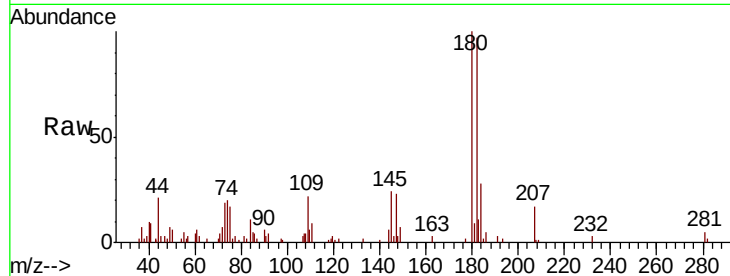




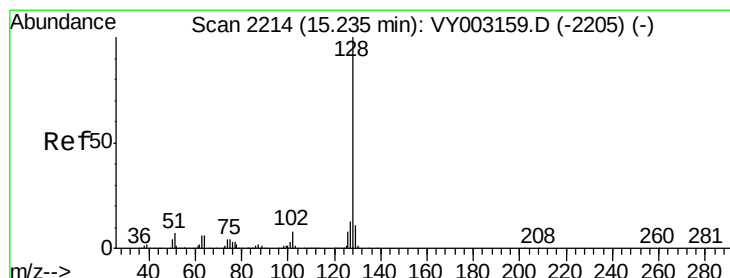
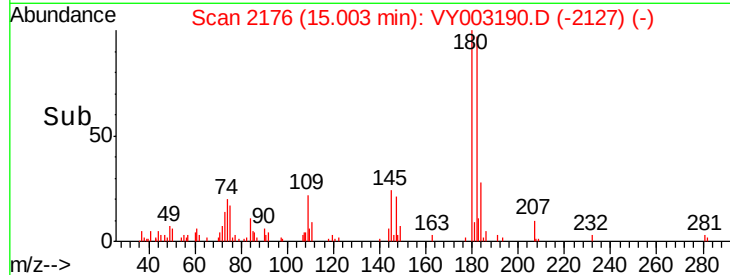
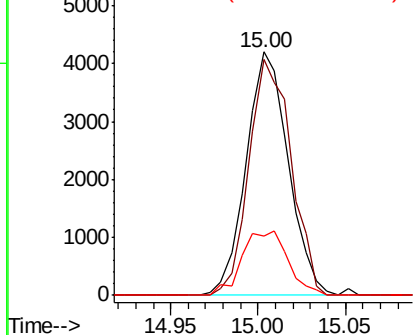
#93
 1,2,4-Trichlorobenzene
 Concen: 1.387 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-071320

Tot Ion:180 Resp: 7059
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.3 142.0
 145 28.7 13.7 41.1

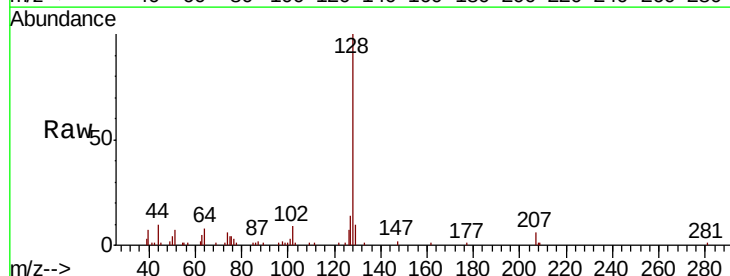


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

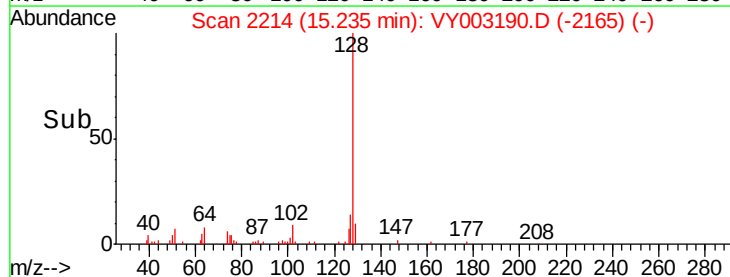
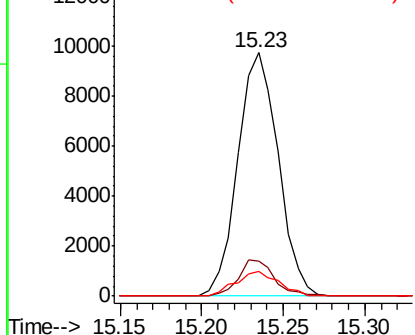


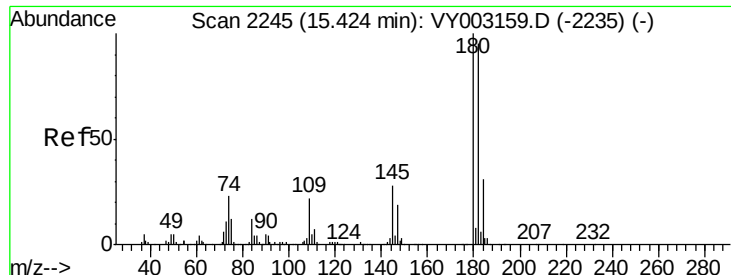
#95
 Naphthalene
 Concen: 2.002 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

Tgt Ion:128 Resp: 16840
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.9 16.3
 129 10.8 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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.051 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003190.D
 Acq: 14 Jul 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-071320

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.8	146.3
145	29.4	14.9	44.5

