

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003079.D
 Acq On : 02 Jul 2020 12:48
 Operator : SY/MD
 Sample : L3188-01
 Misc : 7.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070120

Quant Time: Jul 03 02:36:15 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	297151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	468587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	437431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	211121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	167238	56.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.34%	
35) Dibromofluoromethane	7.72	113	157633	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.18	98	560305	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.48	95	193040	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

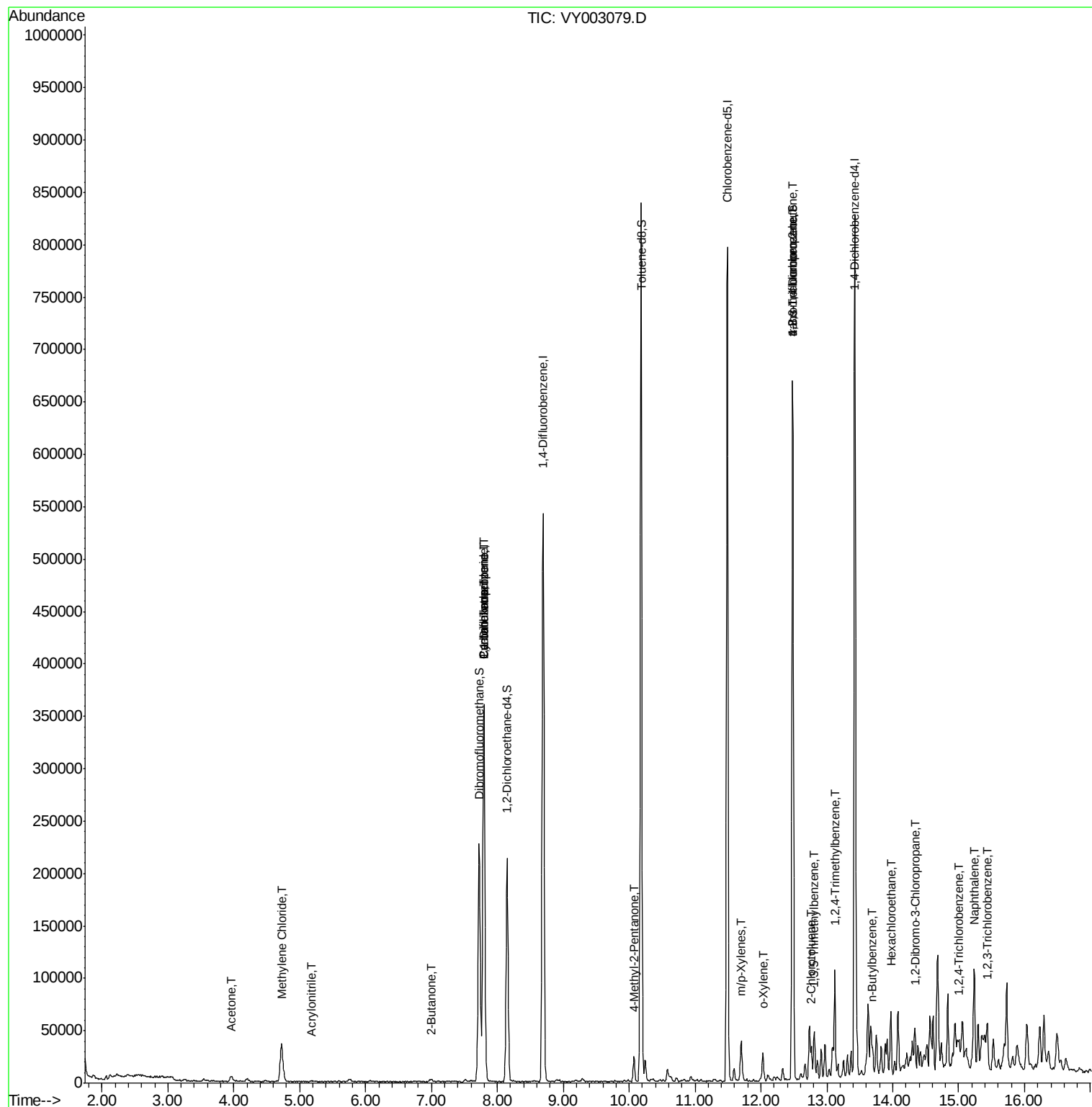
						Qvalue
15) Acrylonitrile	5.18	53	1143	1.426	ug/l #	52
16) Acetone	3.96	43	9248	13.286	ug/l	92
20) Methylene Chloride	4.72	84	26777	1.917	ug/l	93
25) 2-Butanone	7.01	43	1947	1.761	ug/l #	84
31) Cyclohexane	7.79	56	5643	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20640	4.573	ug/l #	51
38) Carbon Tetrachloride	7.80	117	26591	5.662	ug/l #	18
51) 4-Methyl-2-Pentanone	10.07	43	14730	5.524	ug/l	97
68) m/p-Xylenes	11.70	106	12266	2.089	ug/l	92
69) o-Xylene	12.03	106	6735	1.217	ug/l	96
76) 1,2,3-Trichloropropane	12.48	75	98919	47.342	ug/l #	100
79) 2-Chlorotoluene	12.75	91	9527	1.027	ug/l	77
80) 1,3,5-Trimethylbenzene	12.81	105	13781	1.189	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.48	75	98919	92.108	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.12	105	49634	4.248	ug/l	94
89) n-Butylbenzene	13.69	91	15808	1.271	ug/l #	76
90) Hexachloroethane	13.97	117	2686	1.040	ug/l #	33
92) 1,2-Dibromo-3-Chloropropan	14.34	75	793	1.607	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.00	180	6041	1.370	ug/l #	58
95) Naphthalene	15.23	128	71421	8.868	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	6448	1.684	ug/l #	64

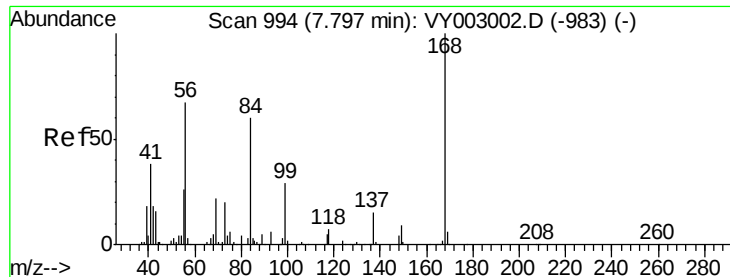
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 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: VY003079.D

Acq: 02 Jul 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

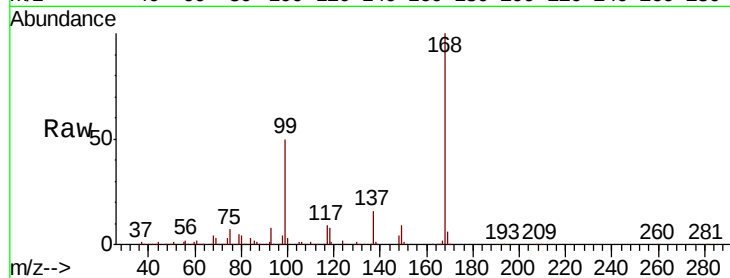
TR-04-070120

Tot Ion:168 Resp: 297151

Ion Ratio Lower Upper

168 100

99 49.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003079.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003079.D (-945) (-)

7.80

150000

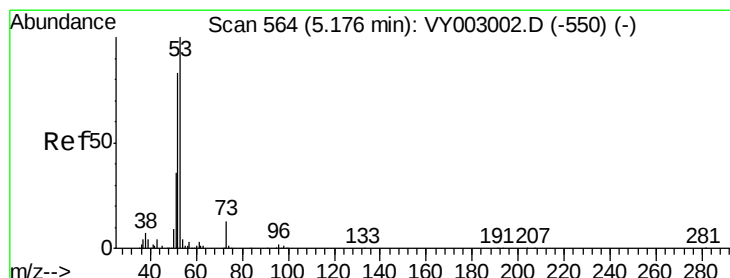
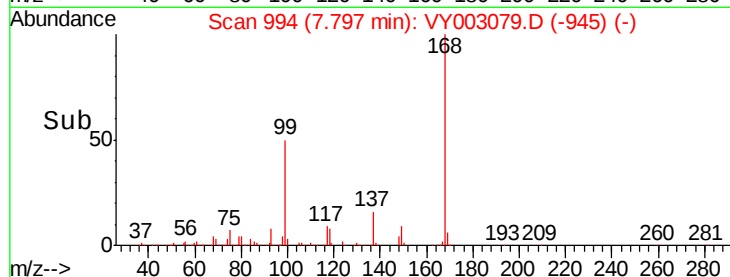
100000

50000

0

7.70 7.80 7.90

Time-->



#15

Acrylonitrile

Concen: 1.426 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

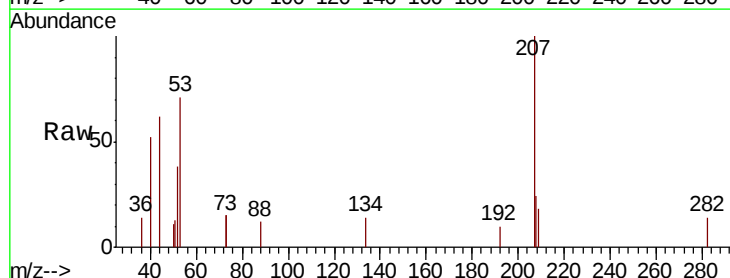
Tgt Ion: 53 Resp: 1143

Ion Ratio Lower Upper

53 100

52 35.7 66.2 99.2#

51 14.4 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VY003079.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY003079.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY003079.D (-515) (-)

500

400

300

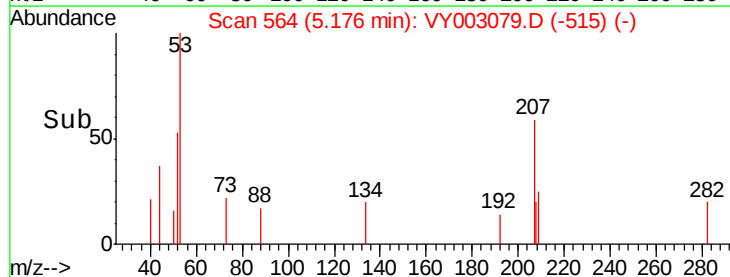
200

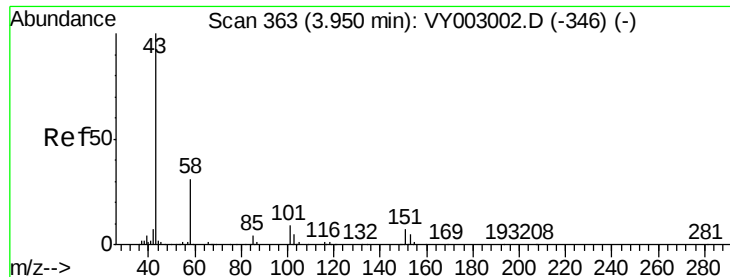
100

0

5.10 5.15 5.20 5.25

Time-->

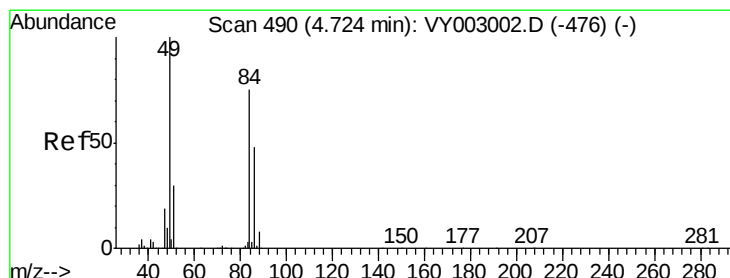
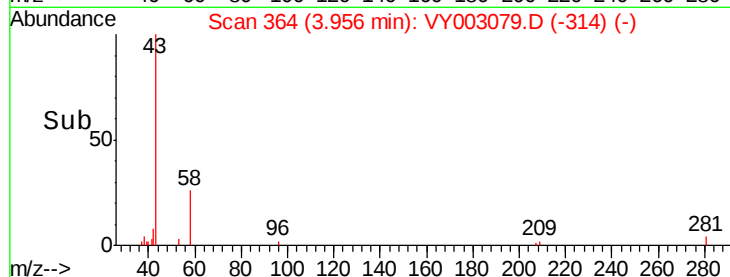
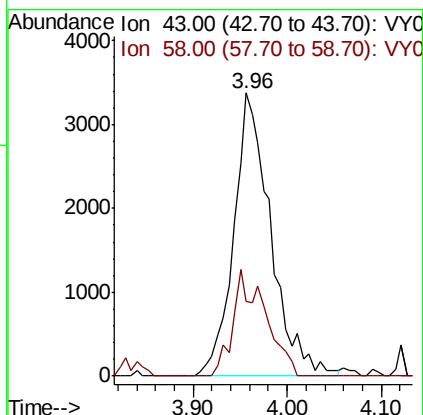
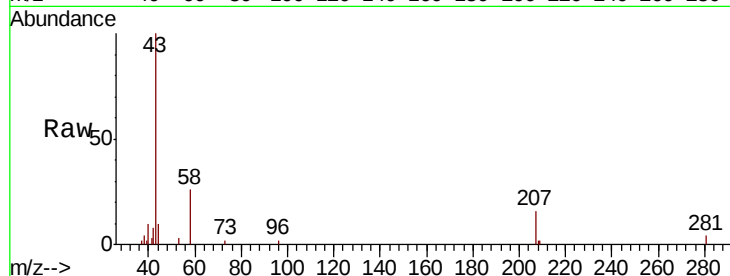




#16
Acetone
Concen: 13.286 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

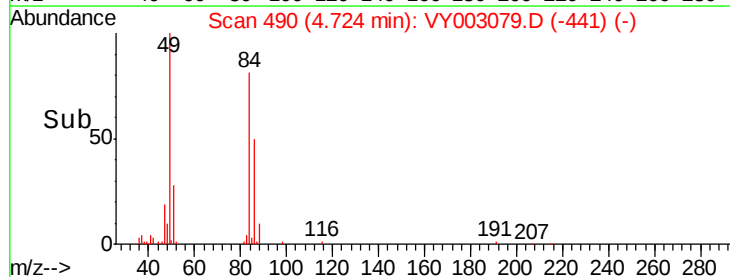
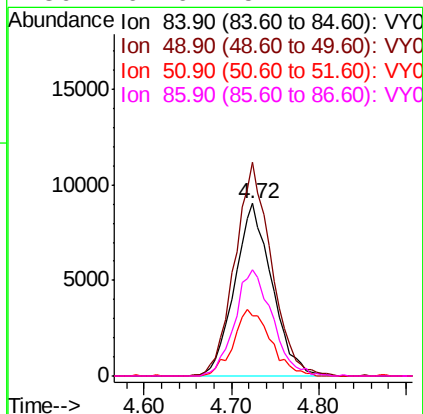
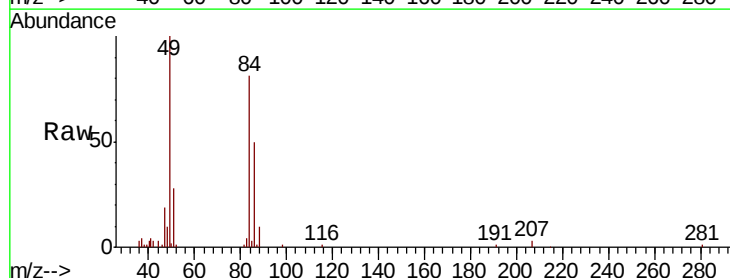
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070120

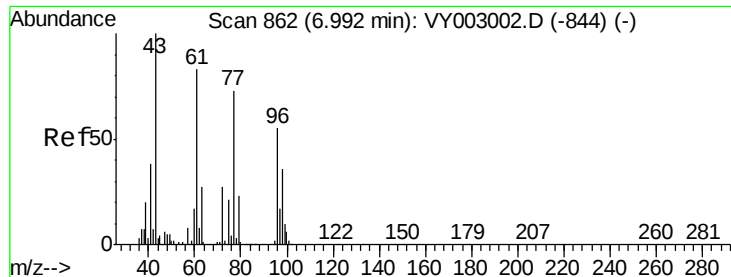
Tot Ion: 43 Resp: 9248
Ion Ratio Lower Upper
43 100
58 26.3 24.7 37.1



#20
Methylene Chloride
Concen: 1.917 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

Tgt Ion: 84 Resp: 26777
Ion Ratio Lower Upper
84 100
49 124.0 106.8 160.2
51 35.1 32.0 48.0
86 61.6 51.4 77.2

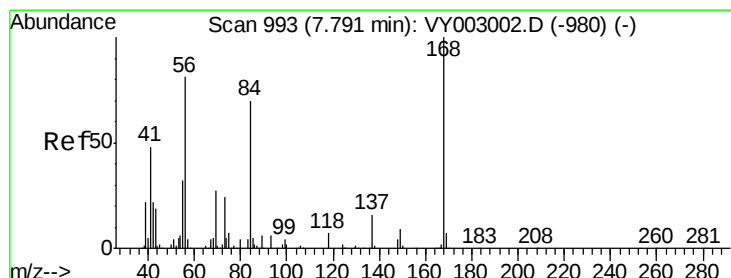
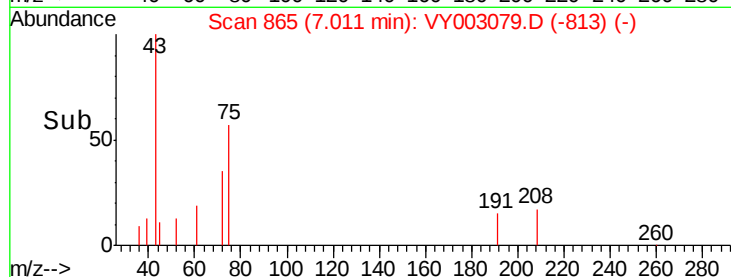
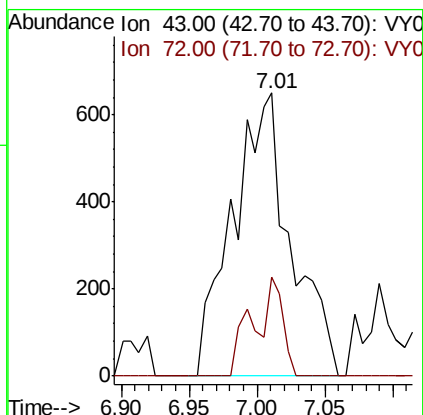
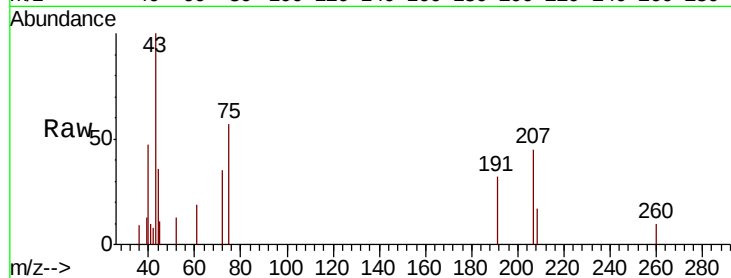




#25
2-Butanone
Concen: 1.761 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.02 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

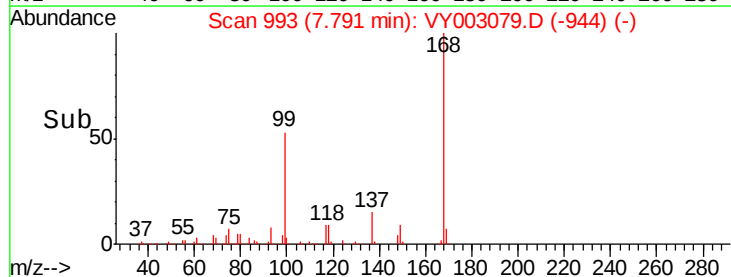
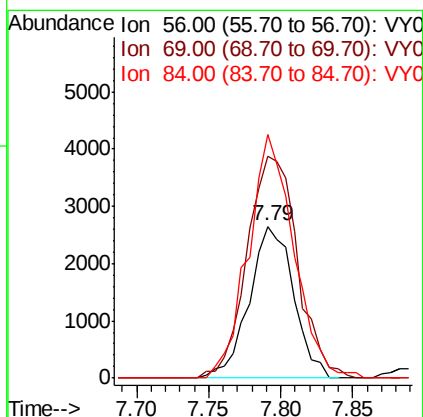
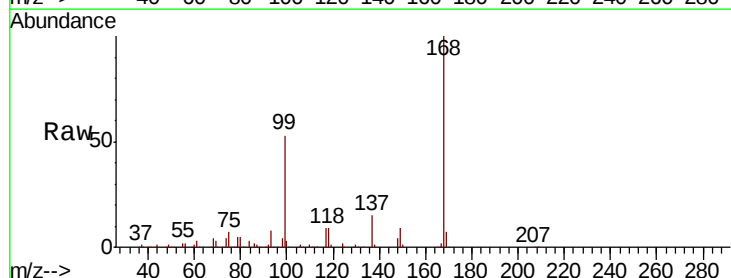
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070120

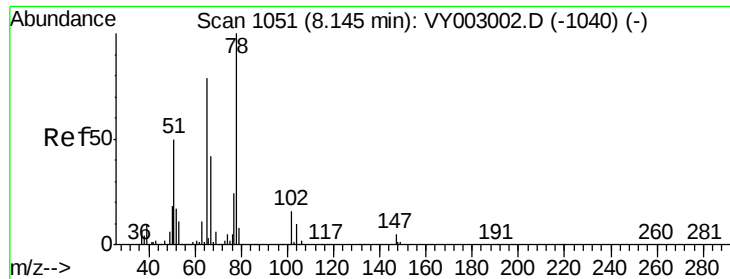
Tot Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
72 34.9 21.4 32.0#



#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

Tgt Ion: 56 Resp: 5643
Ion Ratio Lower Upper
56 100
69 146.1 27.0 40.4#
84 160.6 68.1 102.1#

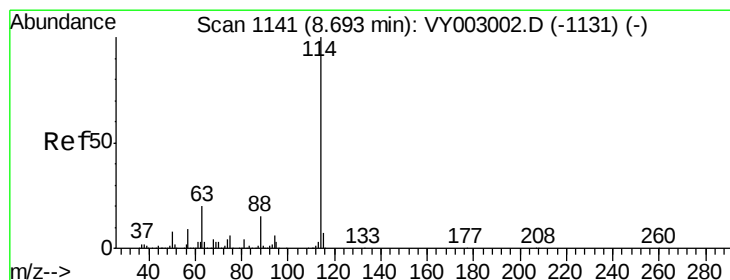
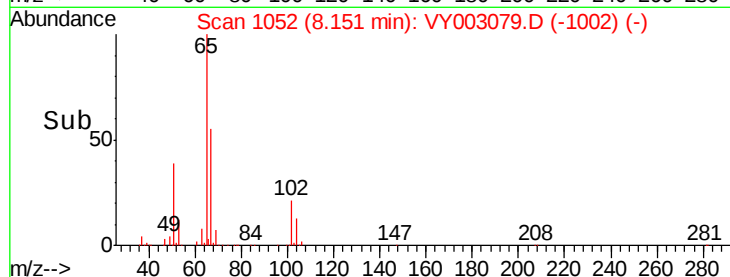
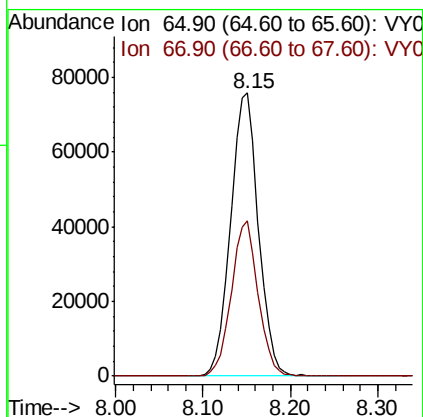
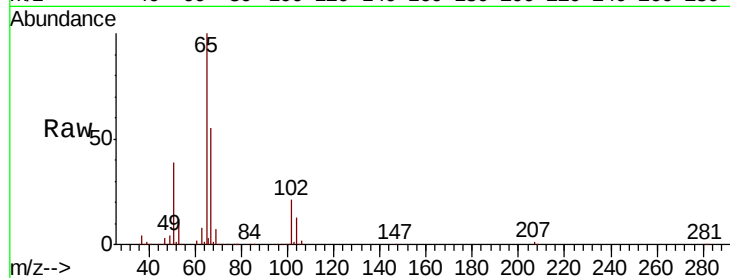




#33
 1,2-Dichloroethane-d4
 Concen: 56.666 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

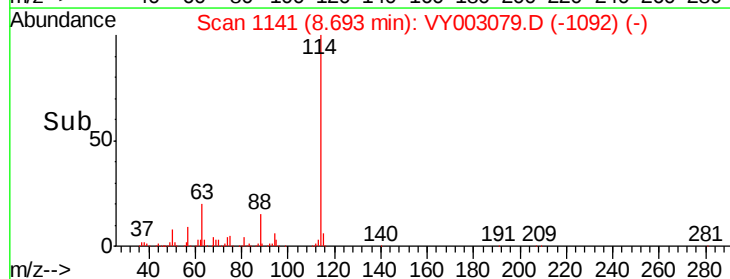
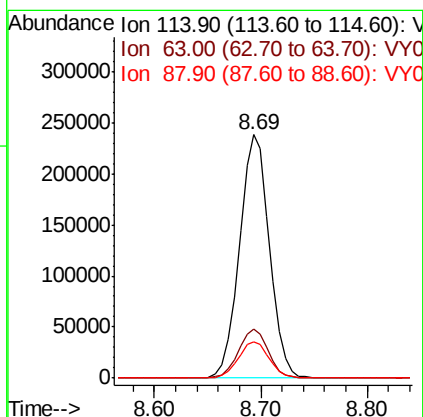
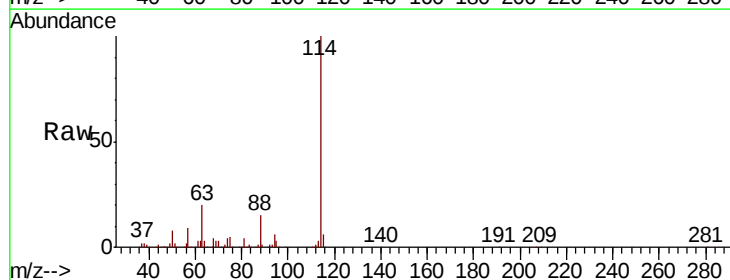
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070120

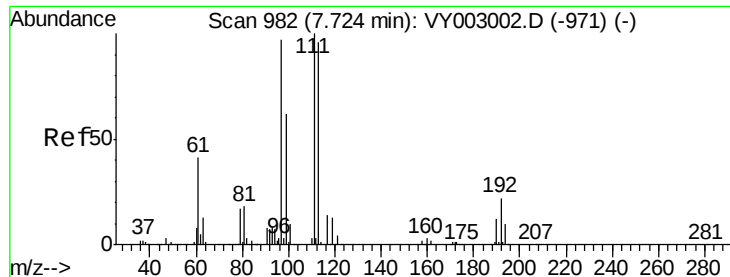
Tot Ion: 65 Resp: 167238
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Tgt Ion: 114 Resp: 468587
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 15.0 0.0 30.0

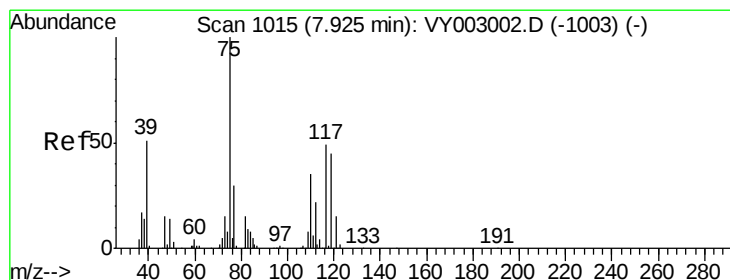
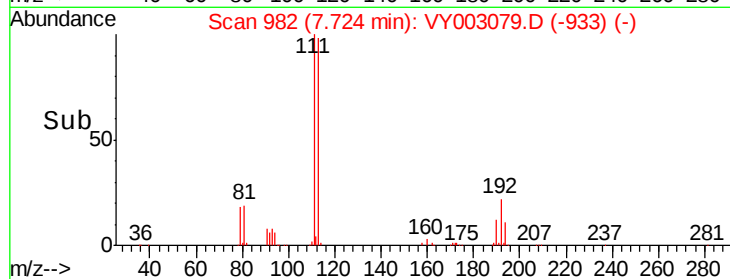
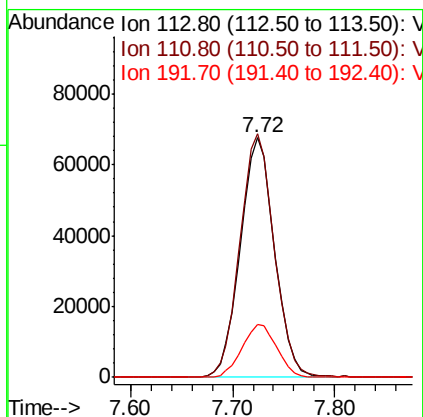
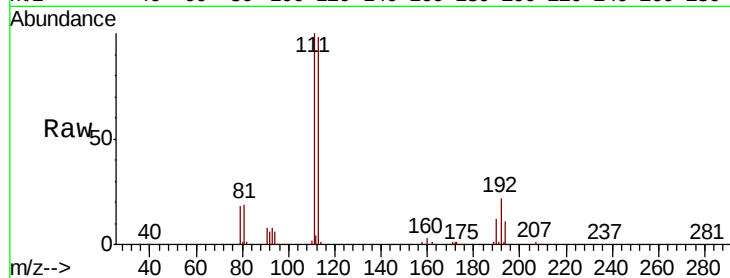




#35
 Dibromofluoromethane
 Concen: 53.926 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

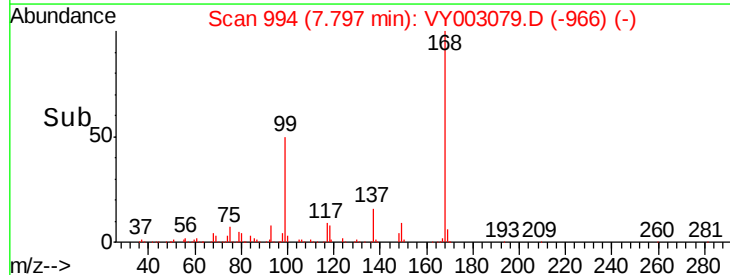
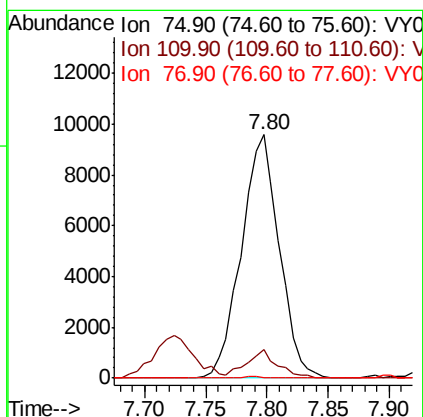
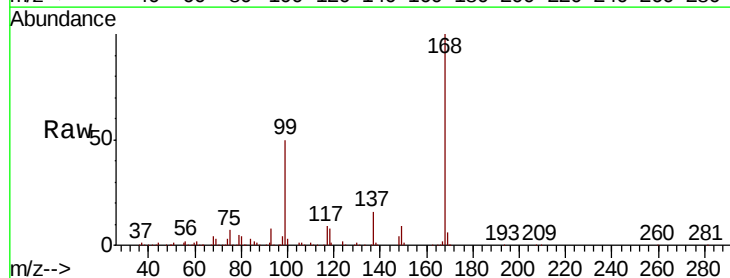
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070120

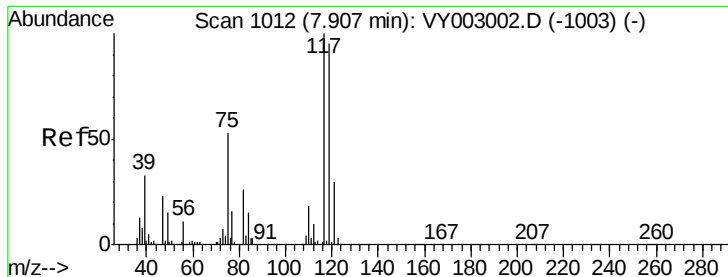
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	22.5	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.1	51.2#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.662 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-070120

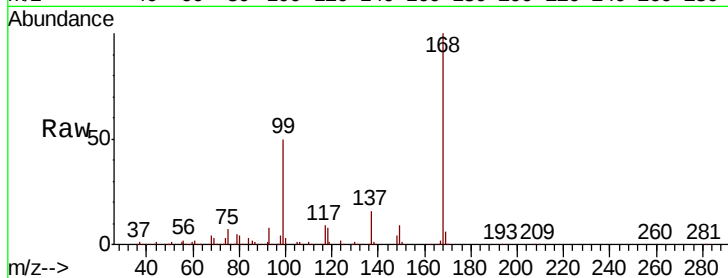
Tot Ion:117 Resp: 26591

Ion Ratio Lower Upper

117 100

119 6.5 75.7 113.5#

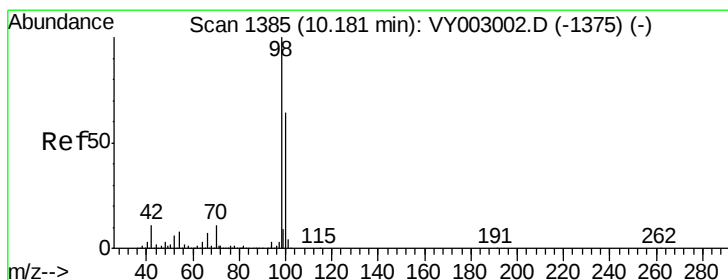
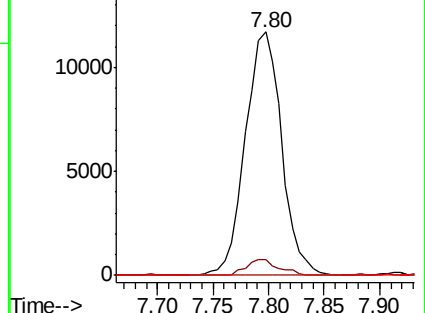
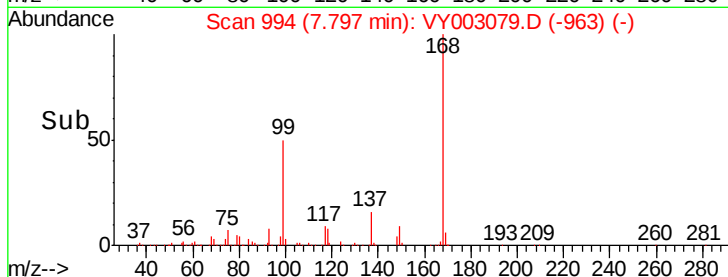
121 0.0 23.9 35.9#



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: 51.452 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003079.D

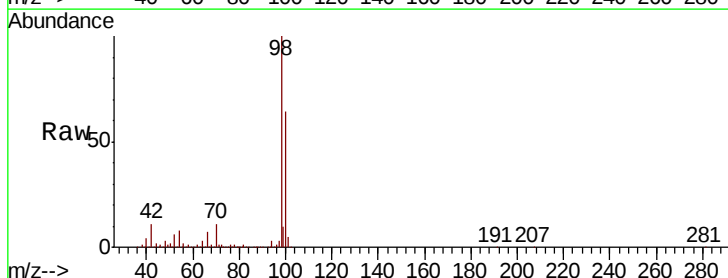
Acq: 02 Jul 2020 12:48

Tgt Ion: 98 Resp: 560305

Ion Ratio Lower Upper

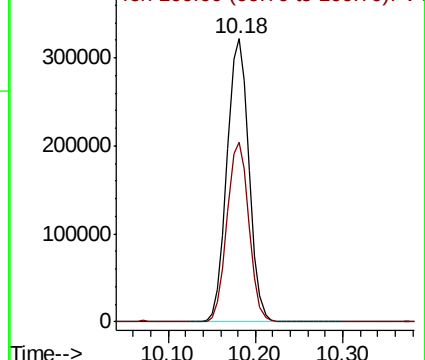
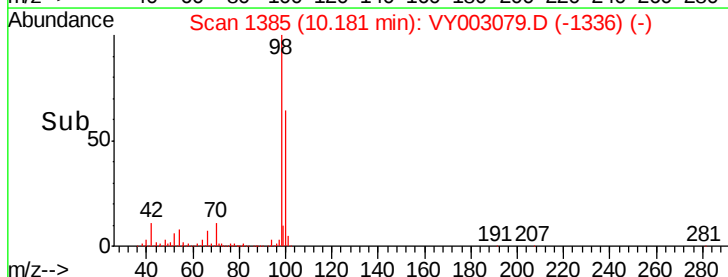
98 100

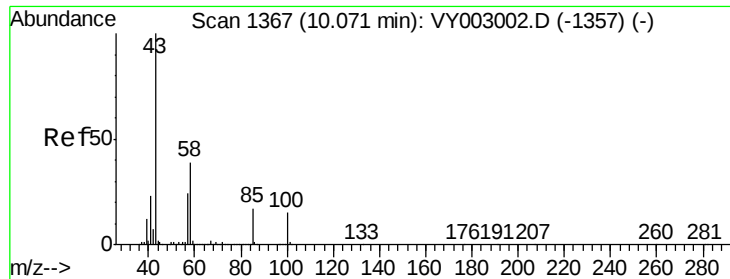
100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 5.524 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

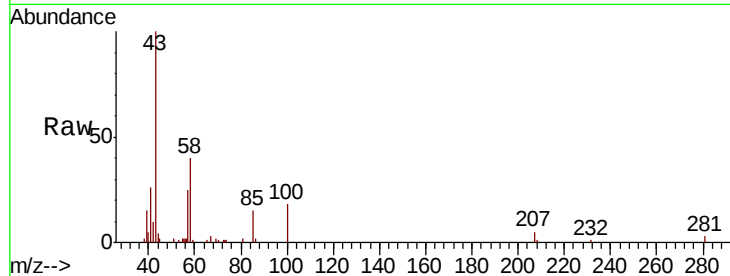
TR-04-070120

Tot Ion: 43 Resp: 14730

Ion Ratio Lower Upper

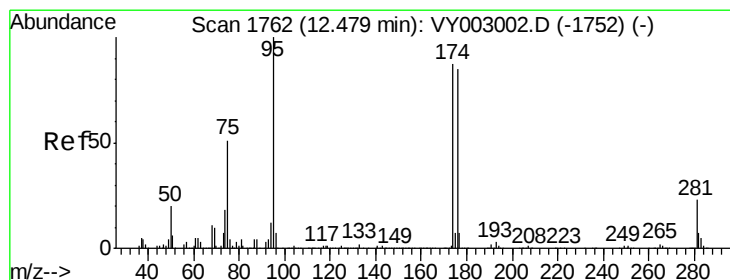
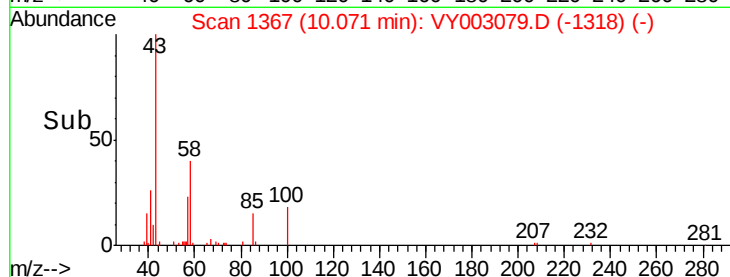
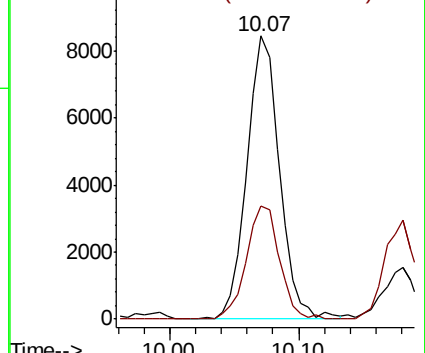
43 100

58 40.4 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 50.359 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

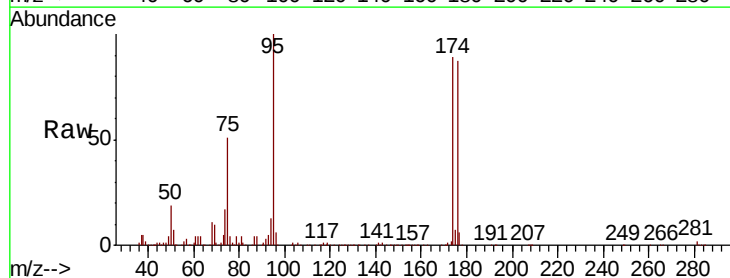
Tgt Ion: 95 Resp: 193040

Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.8

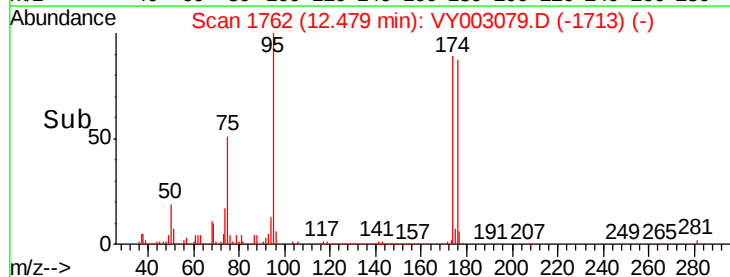
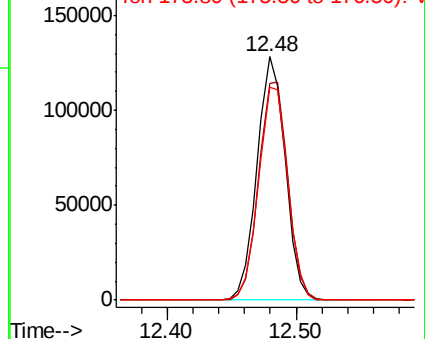
176 91.0 0.0 183.0

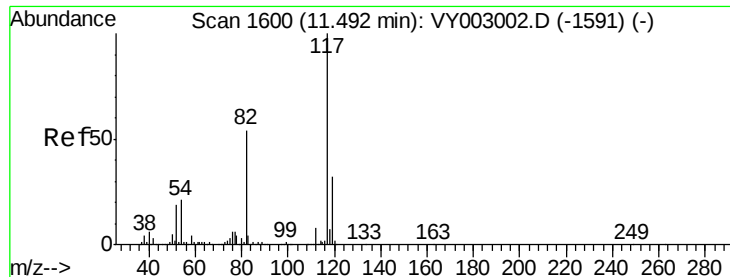


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

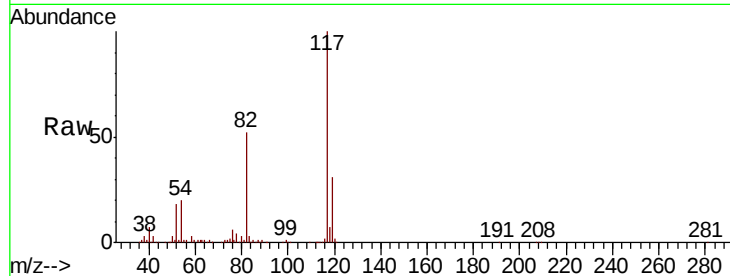




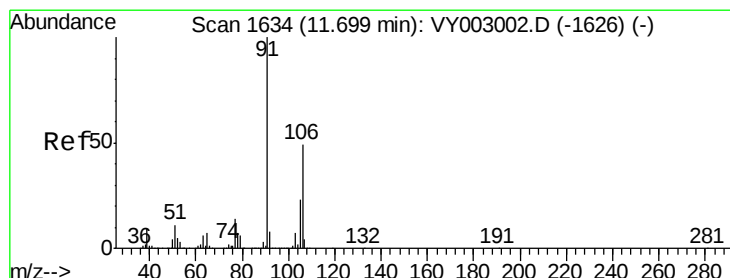
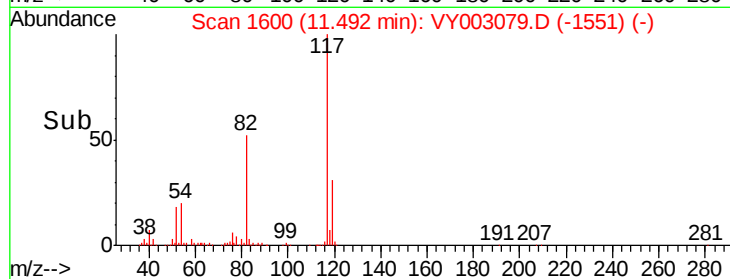
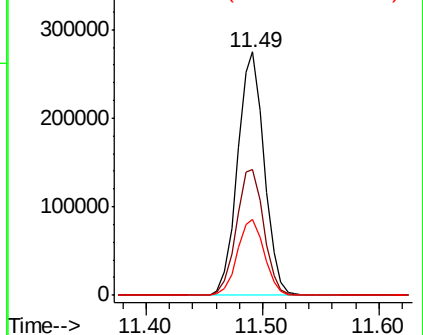
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070120

Tot Ion:117 Resp: 437431
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.6
119 31.2 25.8 38.8

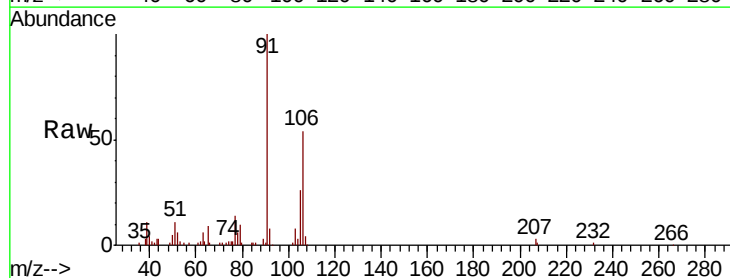


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

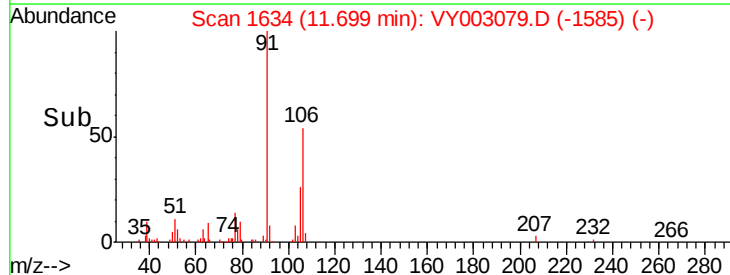
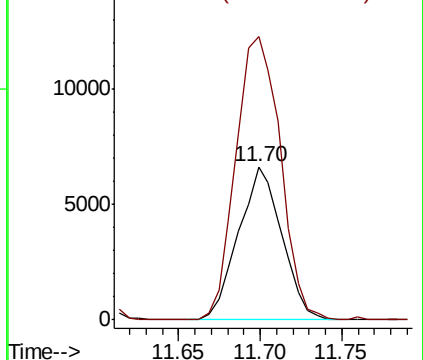


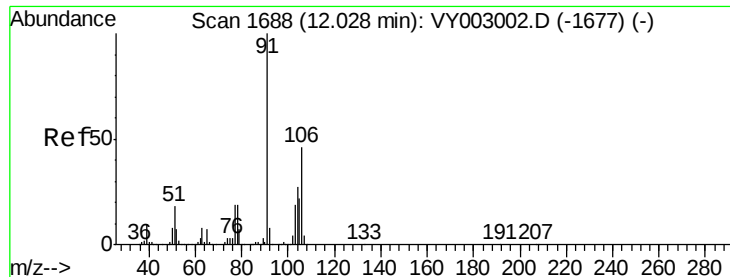
#68
m/p-Xylenes
Concen: 2.089 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

Tgt Ion:106 Resp: 12266
Ion Ratio Lower Upper
106 100
91 190.2 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

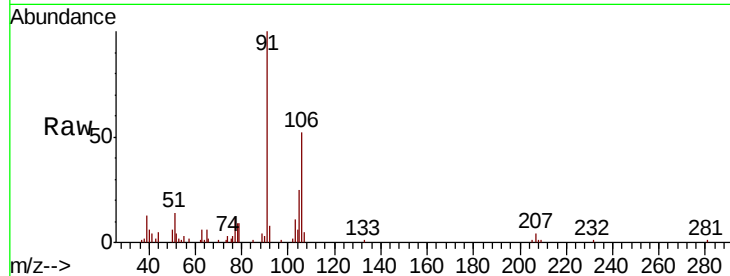




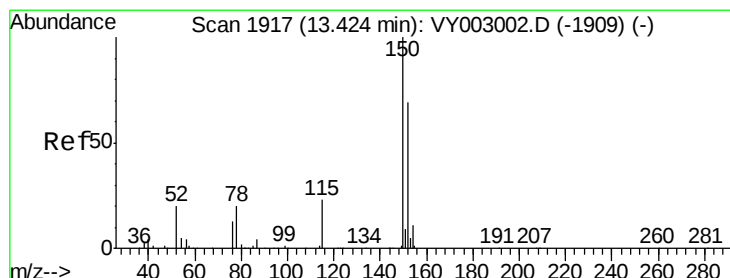
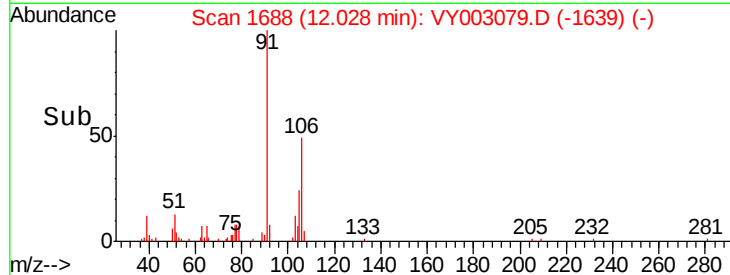
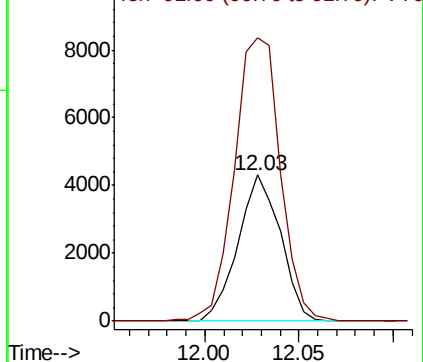
#69
o-Xylene
Concen: 1.217 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070120

Tot Ion:106 Resp: 6735
Ion Ratio Lower Upper
106 100
91 209.7 107.9 323.8

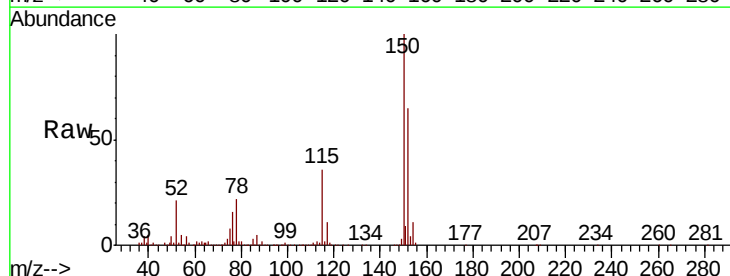


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

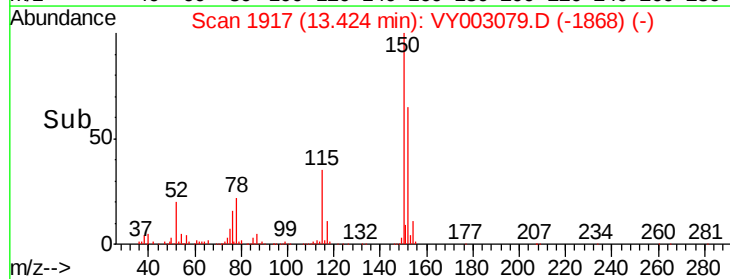
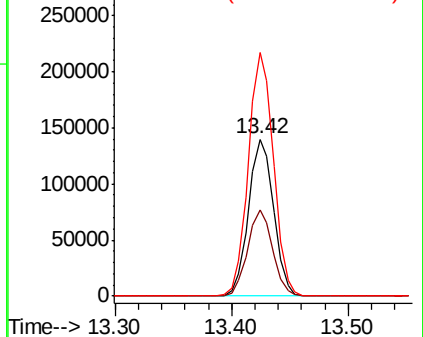


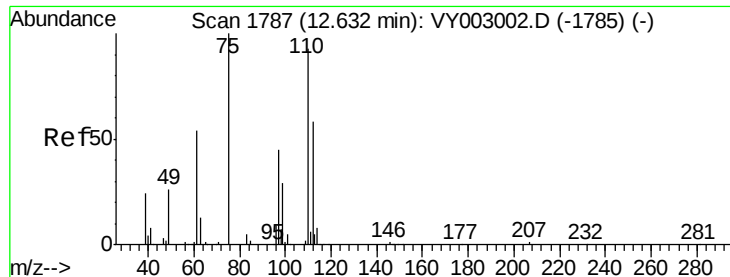
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003079.D
Acq: 02 Jul 2020 12:48

Tgt Ion:152 Resp: 211121
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 155.0 0.0 343.4



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

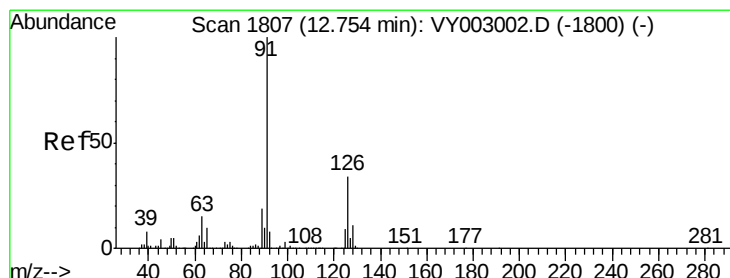
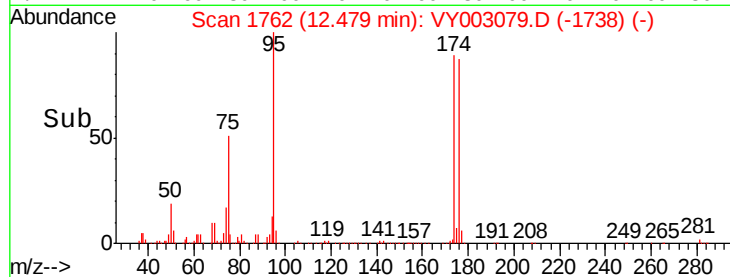
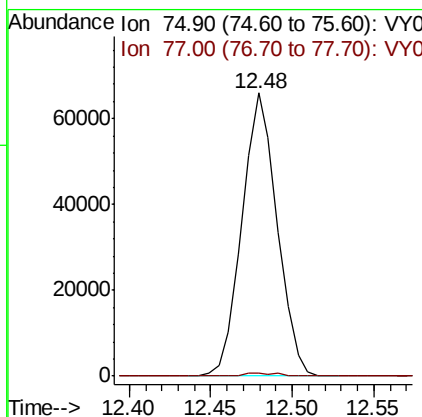
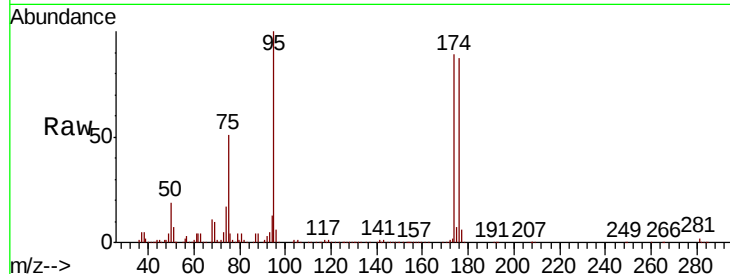




#76
 1,2,3-Trichloropropane
 Concen: 47.342 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

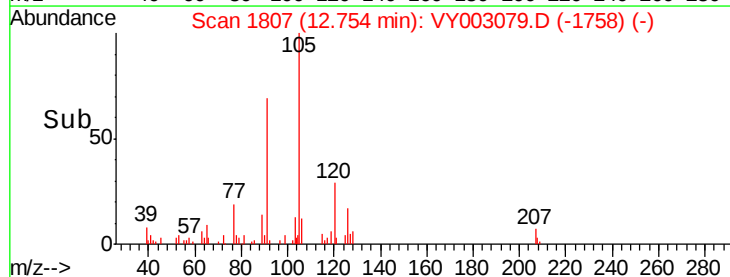
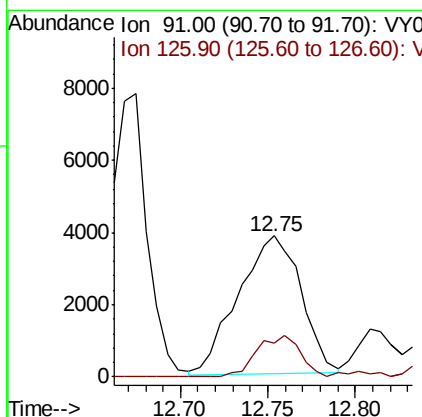
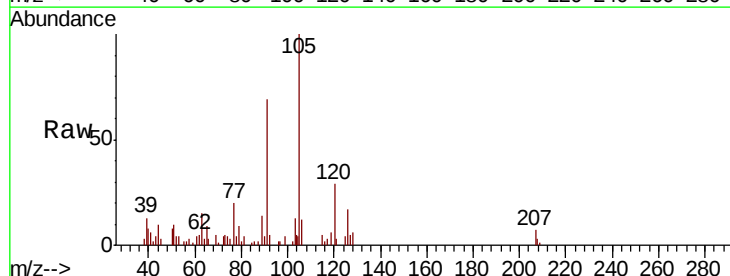
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070120

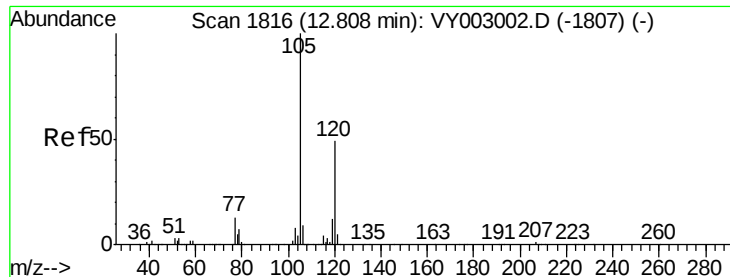
Tot Ion: 75 Resp: 98919
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: 1.027 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Tgt Ion: 91 Resp: 9527
 Ion Ratio Lower Upper
 91 100
 126 20.7 17.1 51.3

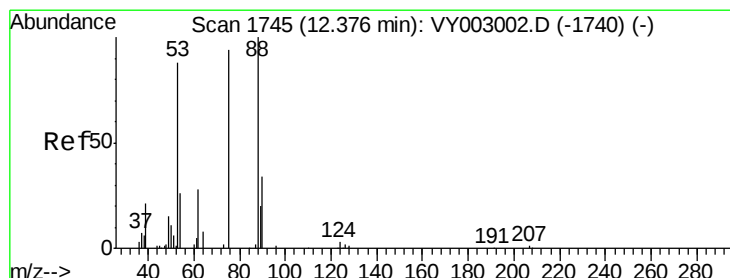
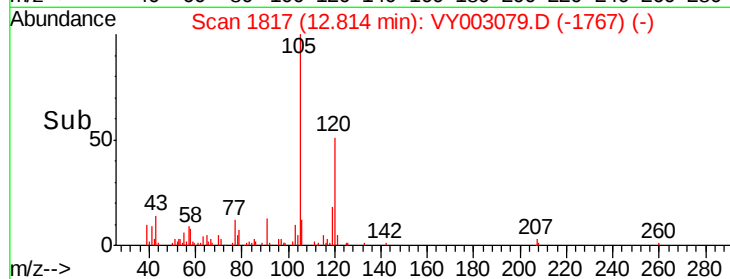
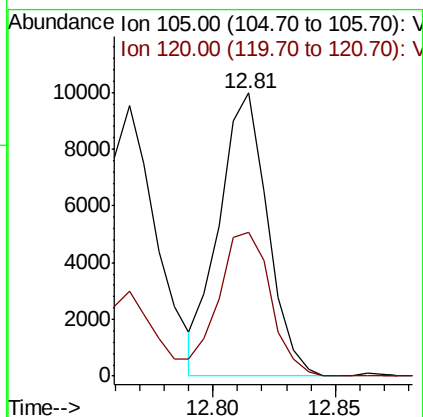
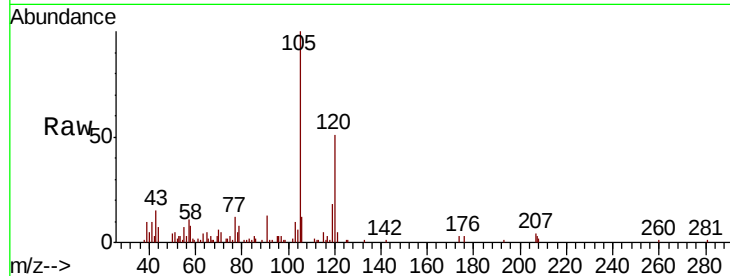




#80
 1,3,5-Trimethylbenzene
 Concen: 1.189 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

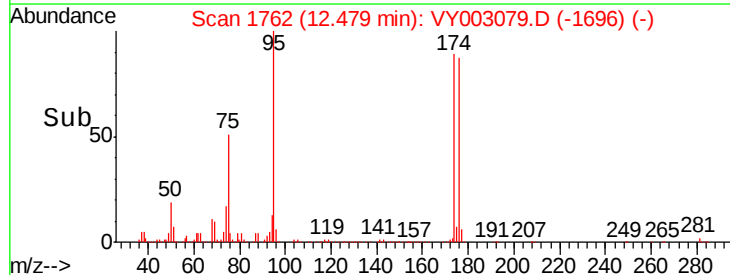
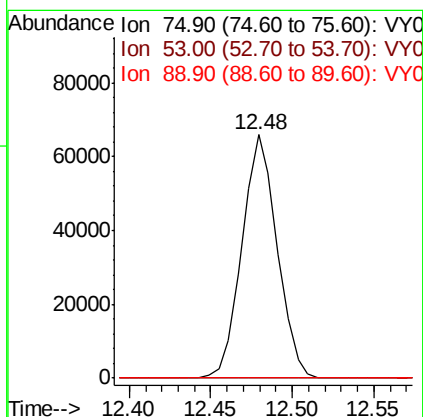
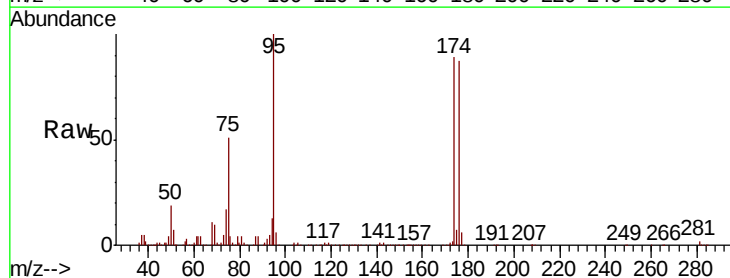
Instrument :
 MSVOA_Y
 ClientSampled :
 TR-04-070120

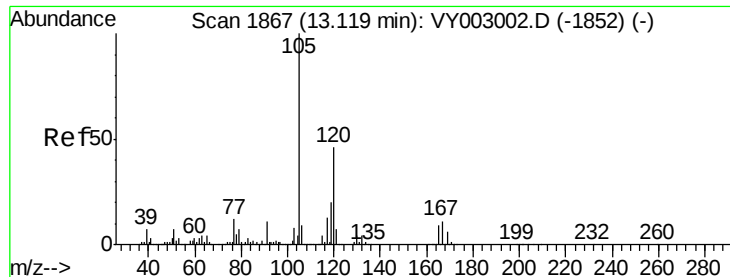
Tot Ion:105 Resp: 13781
 Ion Ratio Lower Upper
 105 100
 120 55.9 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.108 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Tgt Ion: 75 Resp: 98919
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.9 110.9#
 89 0.0 37.5 56.3#





#84

1,2,4-Trimethylbenzene

Concen: 4.248 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

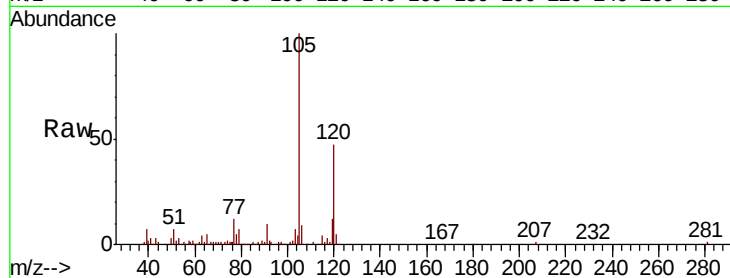
TR-04-070120

Tot Ion:105 Resp: 49634

Ion Ratio Lower Upper

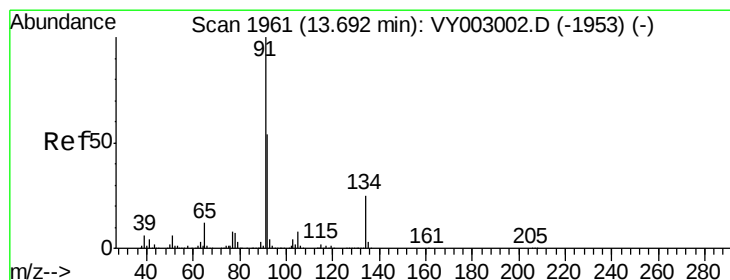
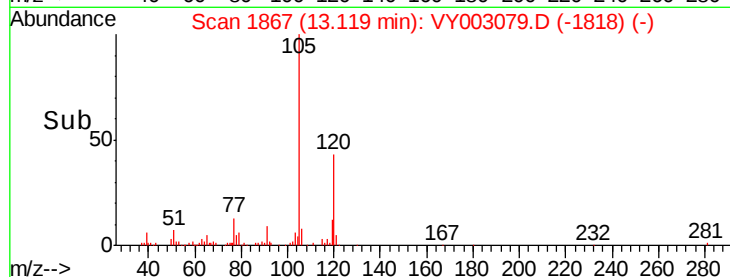
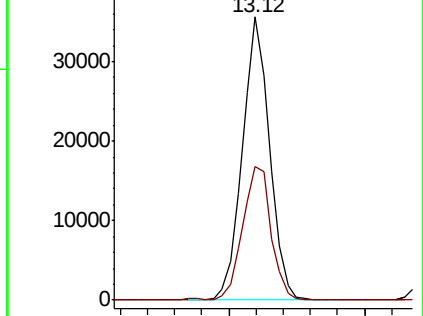
105 100

120 49.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 1.271 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

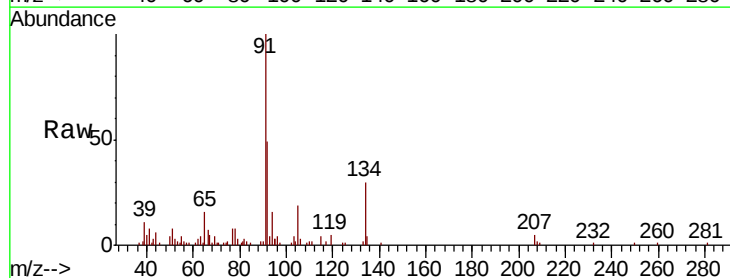
Tgt Ion: 91 Resp: 15808

Ion Ratio Lower Upper

91 100

92 45.3 26.8 80.3

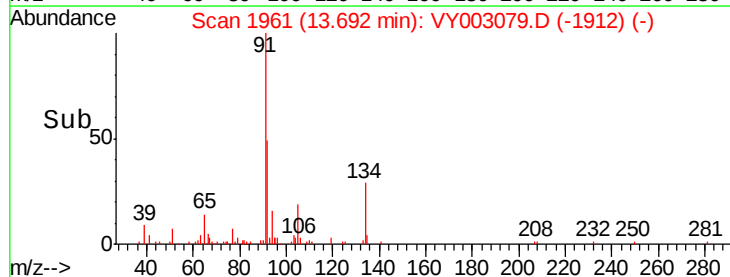
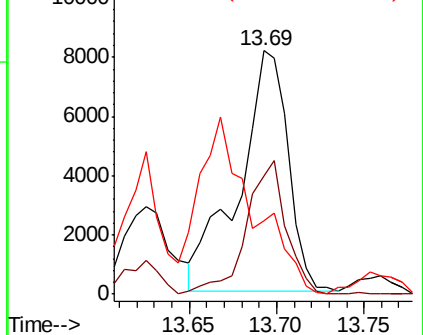
134 0.0 13.1 39.1#

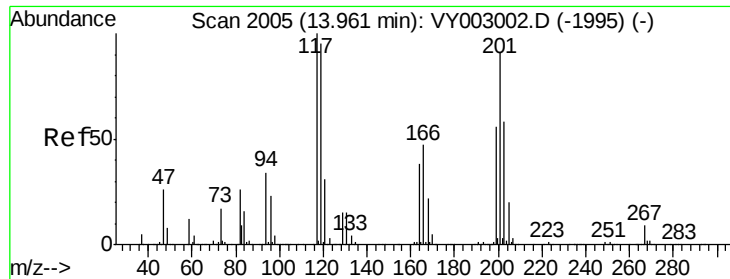


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.040 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

Instrument :

MSVOA_Y

ClientSampleId :

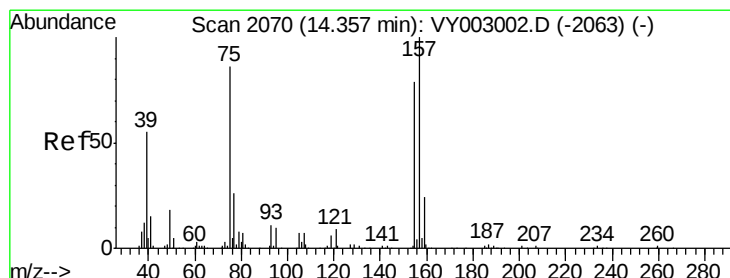
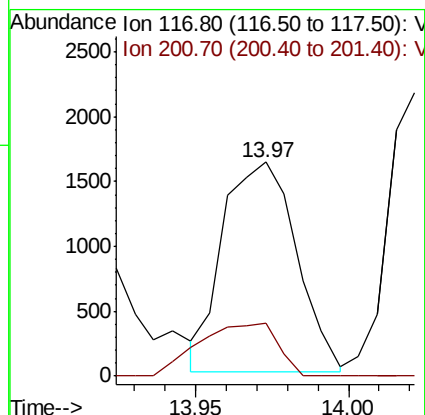
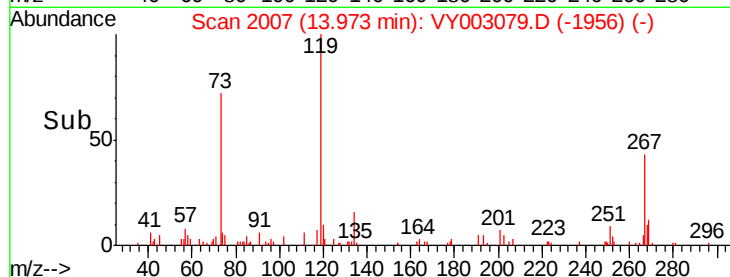
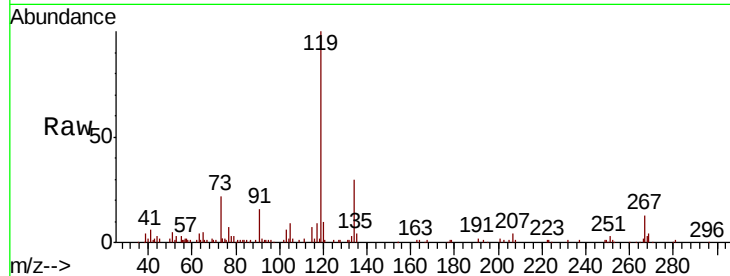
TR-04-070120

Tot Ion:117 Resp: 2686

Ion Ratio Lower Upper

117 100

201 27.0 45.5 136.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.607 ug/l

RT: 14.34 min Scan# 2068

Delta R.T. -0.01 min

Lab File: VY003079.D

Acq: 02 Jul 2020 12:48

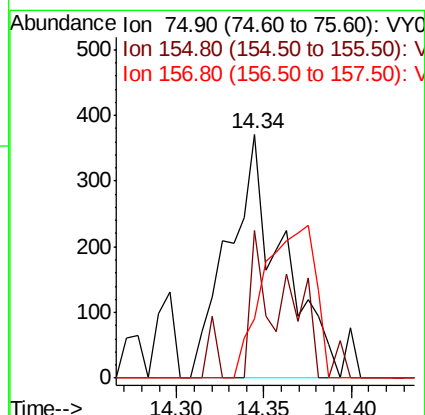
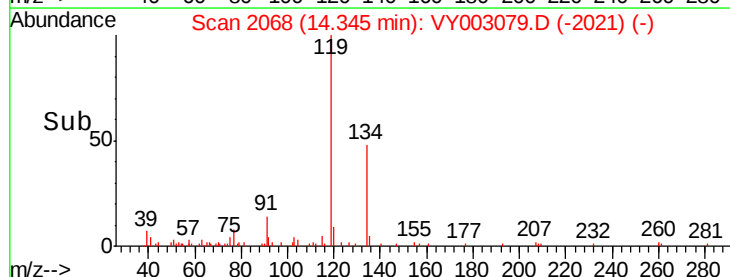
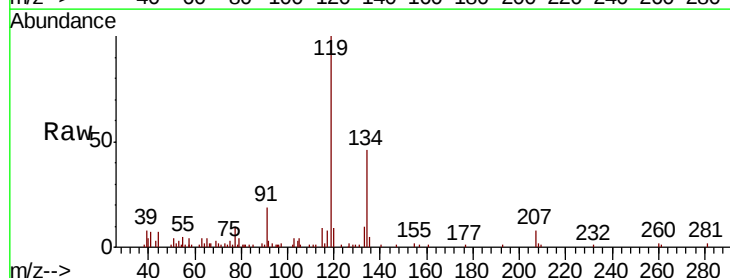
Tgt Ion: 75 Resp: 793

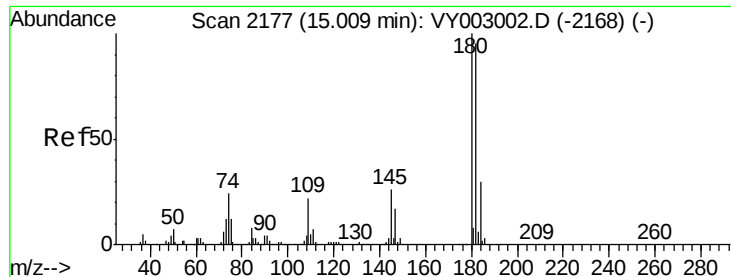
Ion Ratio Lower Upper

75 100

155 18.0 46.5 139.3#

157 0.0 59.2 177.5#

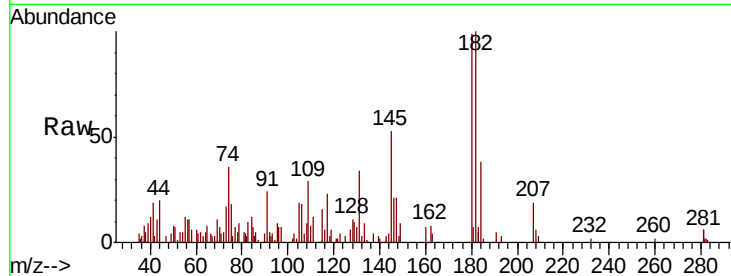




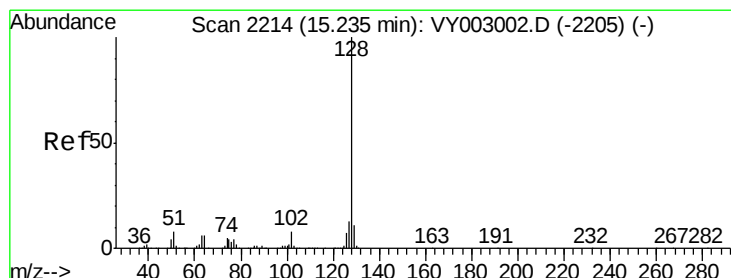
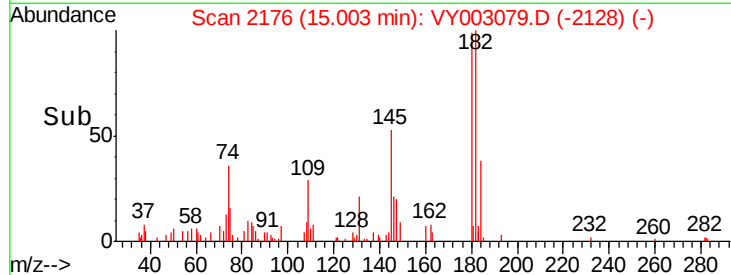
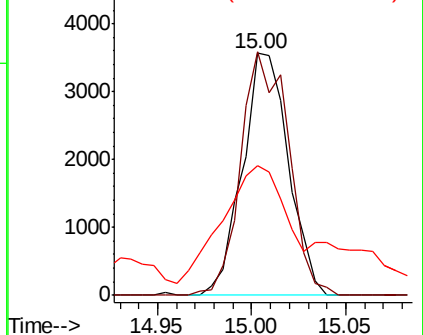
#93
 1,2,4-Trichlorobenzene
 Concen: 1.370 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070120

Tot Ion:180 Resp: 6041
 Ion Ratio Lower Upper
 180 100
 182 103.4 48.1 144.3
 145 112.1 13.9 41.6#

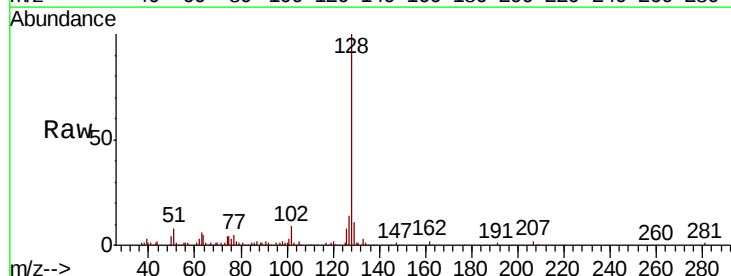


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

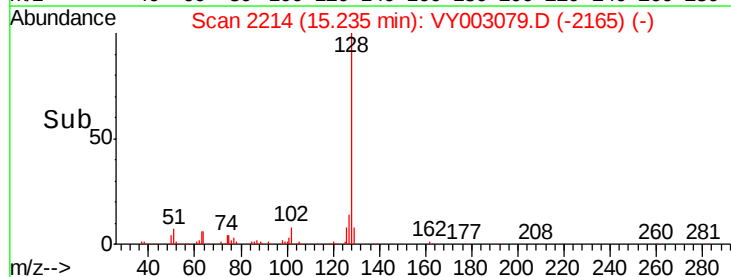
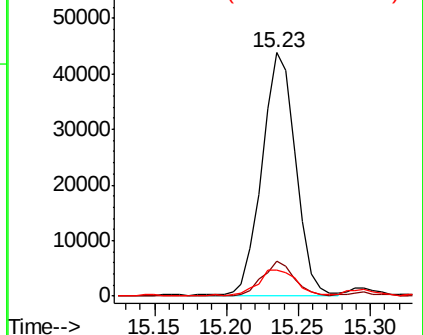


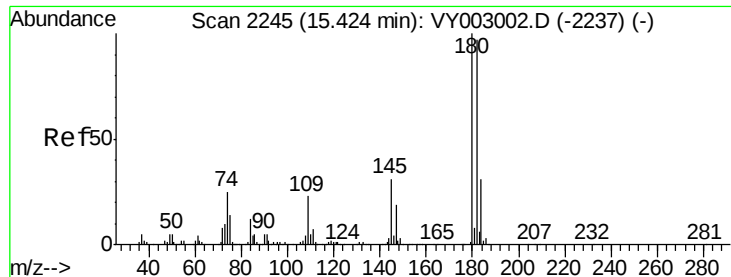
#95
 Naphthalene
 Concen: 8.868 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Tgt Ion:128 Resp: 71421
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.8 16.2
 129 12.5 8.8 13.2



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: 1.684 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY003079.D
 Acq: 02 Jul 2020 12:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070120

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	110.2	14.7	44.1

