

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003146.D
 Acq On : 09 Jul 2020 16:09
 Operator : SY/MD
 Sample : L3255-05
 Misc : 6.79G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-58

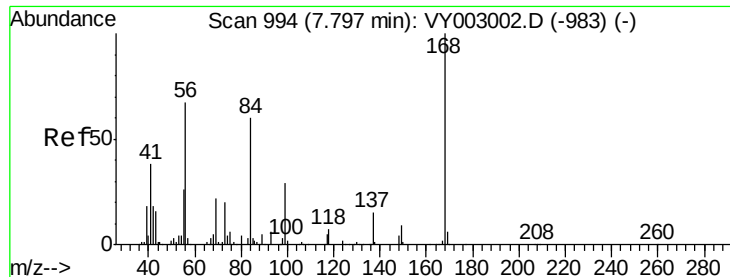
Quant Time: Jul 10 03:42:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	463045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	376182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	118022	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	153105	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	7.72	113	153003	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
50) Toluene-d8	10.18	98	519395	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.48	95	138058	36.45	ug/l	0.00
Spiked Amount			Recovery	=	72.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	385	1.302	ug/l #	73
13) Acrolein	3.74	56	485	1.826	ug/l #	1
16) Acetone	3.96	43	34613	50.573	ug/l	98
20) Methylene Chloride	4.72	84	24621	1.267	ug/l	92
25) 2-Butanone	7.00	43	11751	10.808	ug/l	100
31) Cyclohexane	7.80	56	6210	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	19003	4.261	ug/l #	52
37) Ethyl Acetate	7.00	43	11751	4.382	ug/l #	73
38) Carbon Tetrachloride	7.80	117	25114	5.412	ug/l #	18
59) 2-Hexanone	10.83	43	1876	1.019	ug/l	77
76) 1,2,3-Trichloropropane	12.48	75	70348	60.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70348	117.176	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.14	105	7097	1.087	ug/l	68
92) 1,2-Dibromo-3-Chloropropan	14.34	75	320	1.160	ug/l	73
94) Hexachlorobutadiene	15.11	225	1834	1.180	ug/l	96
95) Naphthalene	15.23	128	11813	2.624	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.44	180	10401	4.859	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003146.D

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ClientSampleId :

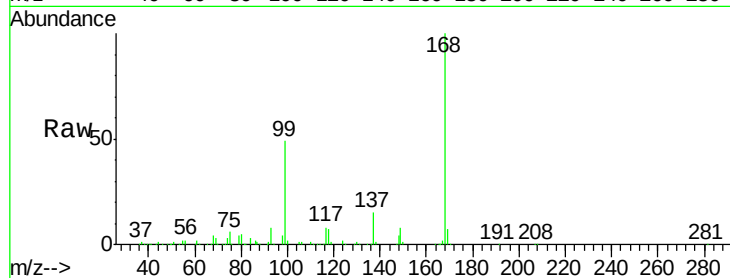
CHRT-58

Tot Ion:168 Resp: 292183

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003146.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003146.D (-945) (-)

7.80

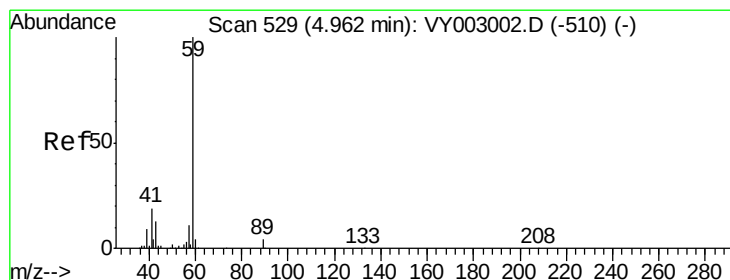
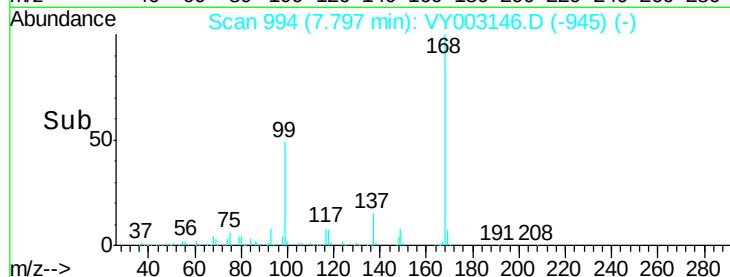
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.302 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003146.D

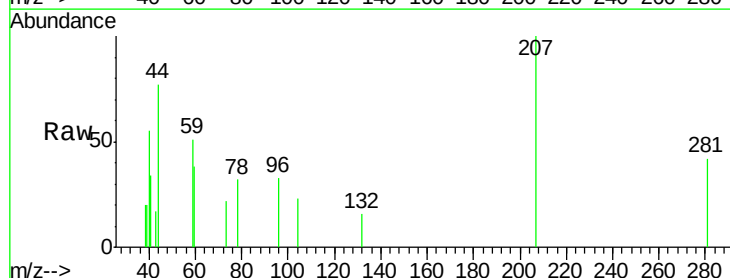
Acq: 09 Jul 2020 16:09

Tgt Ion: 59 Resp: 385

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003146.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003146.D (-480) (-)

4.96

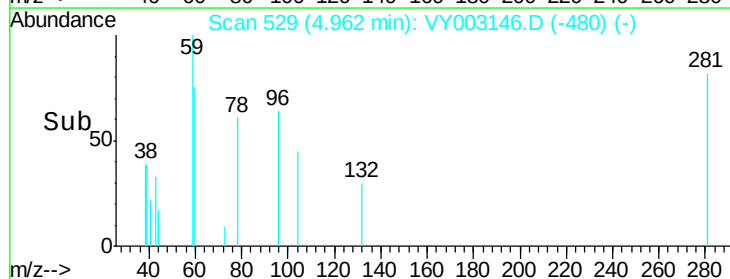
300

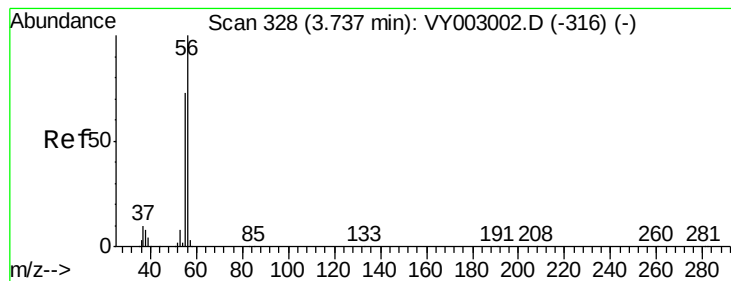
200

100

0

Time-->





#13

Acrolein

Concen: 1.826 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

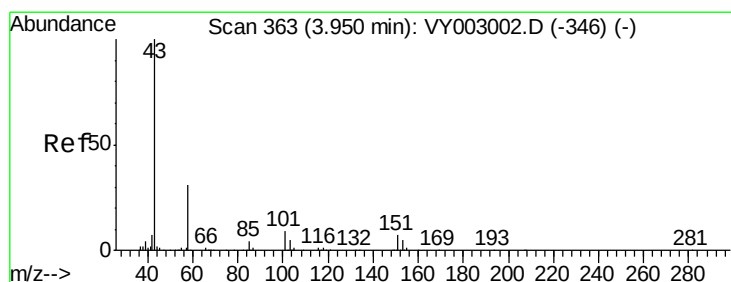
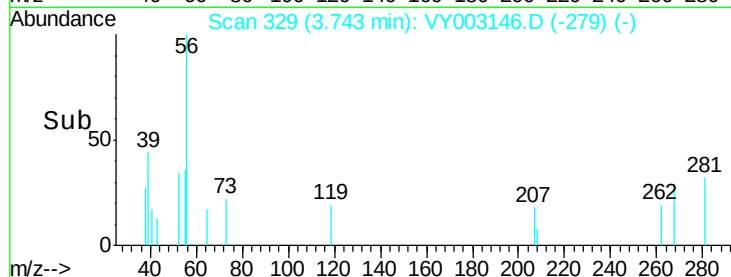
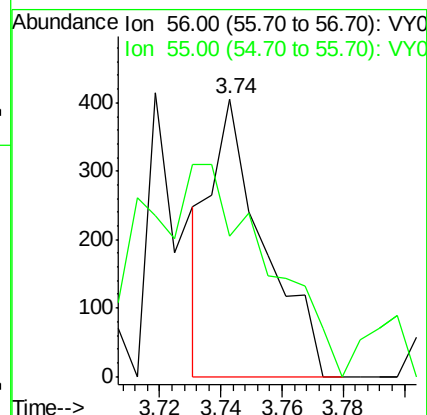
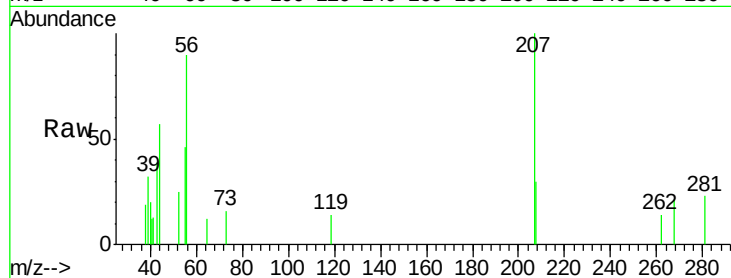
CHRT-58

Tot Ion: 56 Resp: 485

Ion Ratio Lower Upper

56 100

55 170.1 56.4 84.6#



#16

Acetone

Concen: 50.573 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003146.D

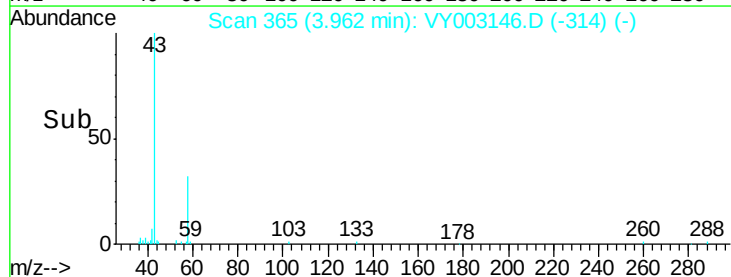
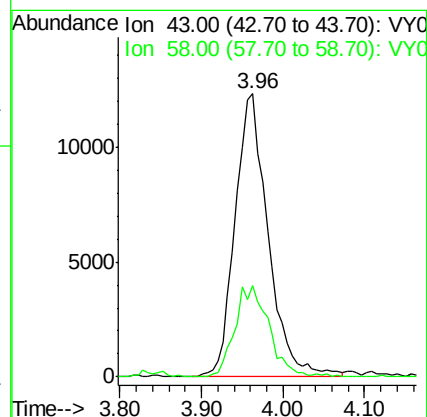
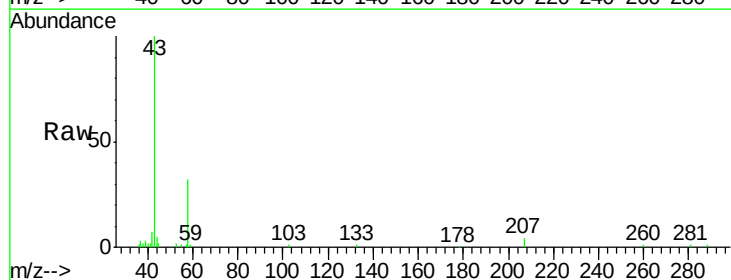
Acq: 09 Jul 2020 16:09

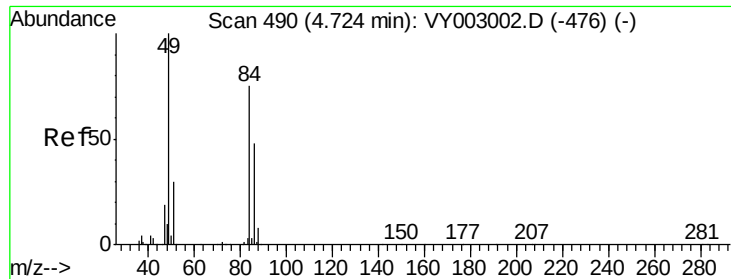
Tgt Ion: 43 Resp: 34613

Ion Ratio Lower Upper

43 100

58 32.1 24.7 37.1

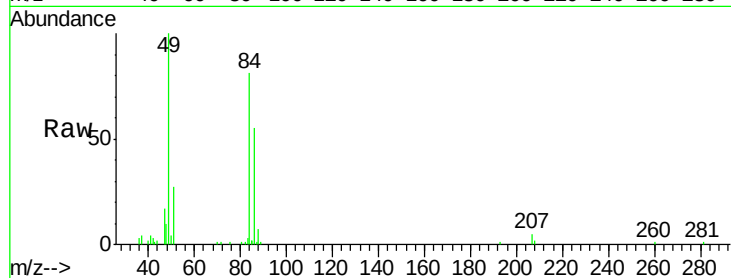




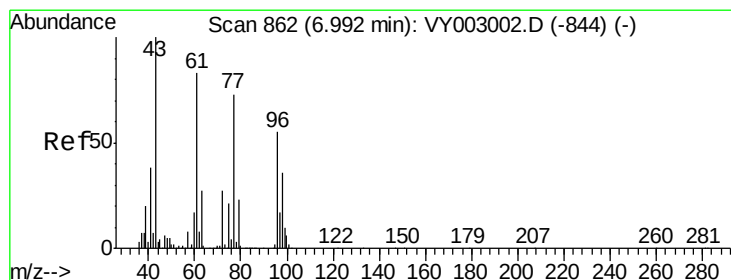
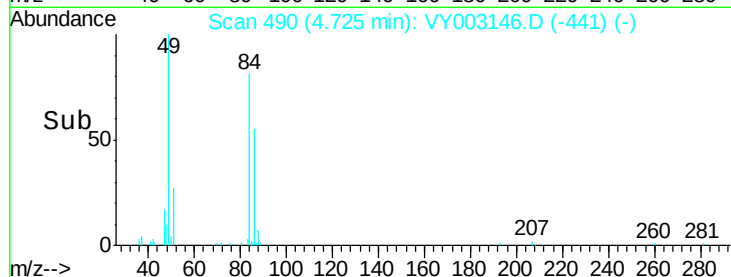
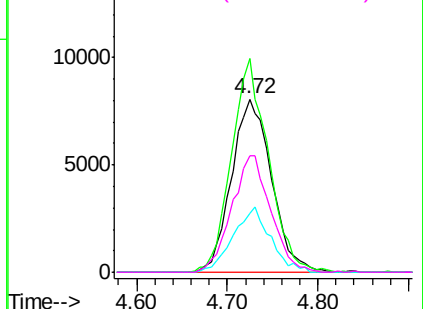
#20
Methylene Chloride
Concen: 1.267 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003146.D
Acq: 09 Jul 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-58

Tot Ion:	84	Resp:	24621
Ion	Ratio	Lower	Upper
84	100		
49	123.3	106.8	160.2
51	33.7	32.0	48.0
86	67.2	51.4	77.2

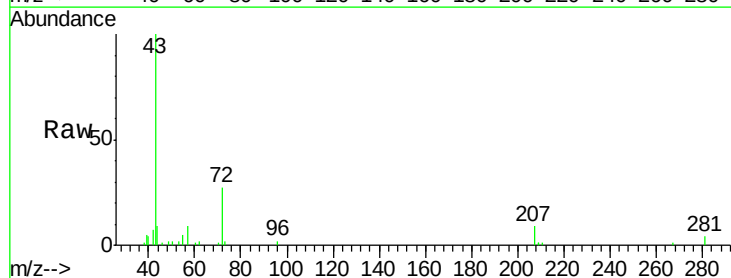


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

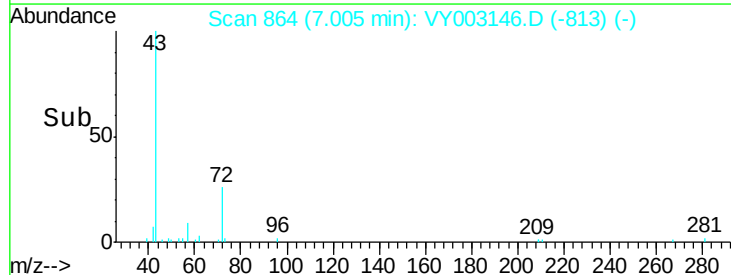
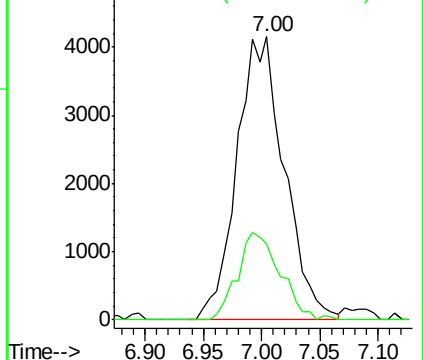


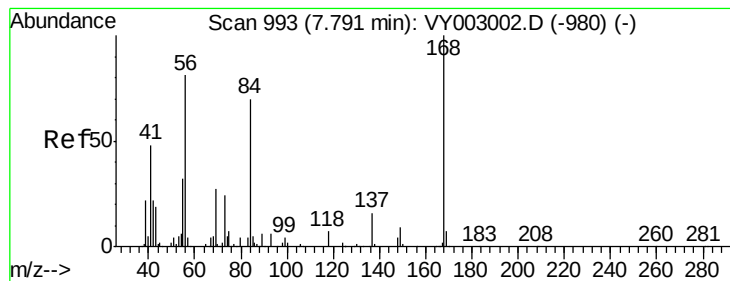
#25
2-Butanone
Concen: 10.808 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003146.D
Acq: 09 Jul 2020 16:09

Tgt Ion:	43	Resp:	11751
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.217 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-58

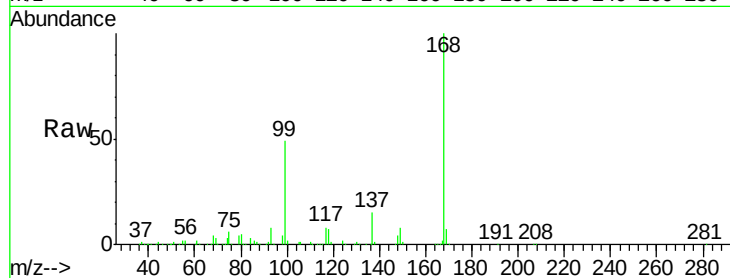
Tot Ion: 56 Resp: 6210

Ion Ratio Lower Upper

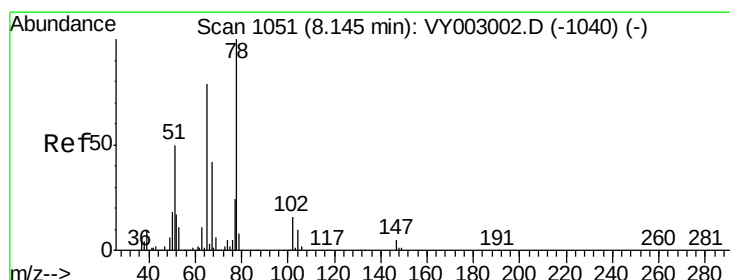
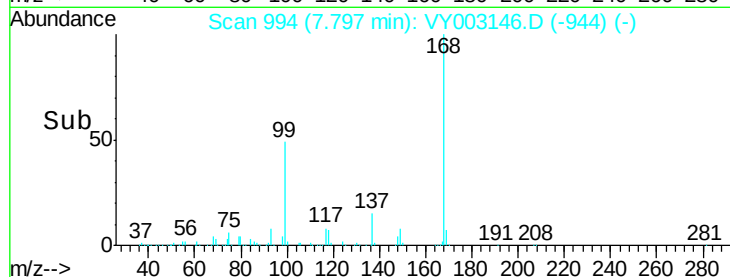
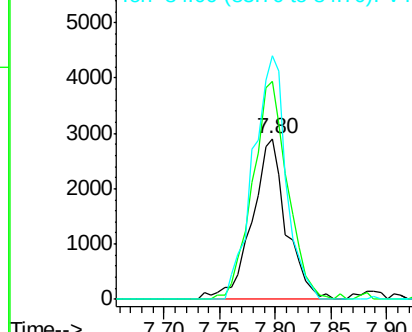
56 100

69 135.9 27.0 40.4#

84 151.5 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: 52.759 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003146.D

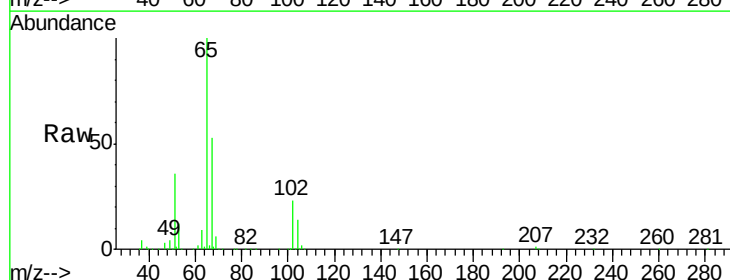
Acq: 09 Jul 2020 16:09

Tgt Ion: 65 Resp: 153105

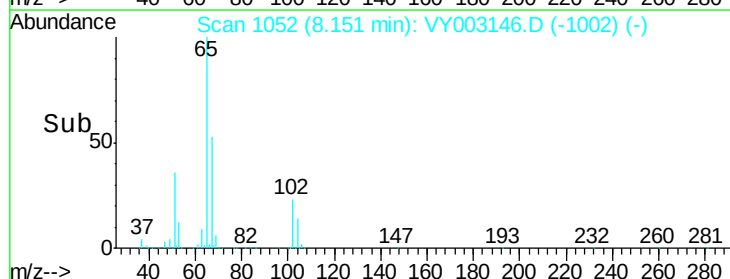
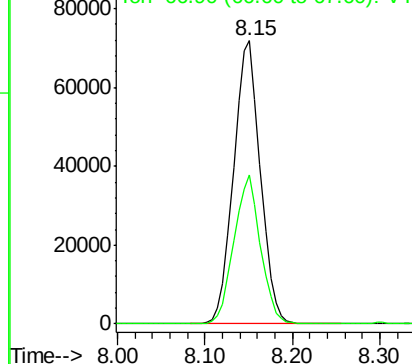
Ion Ratio Lower Upper

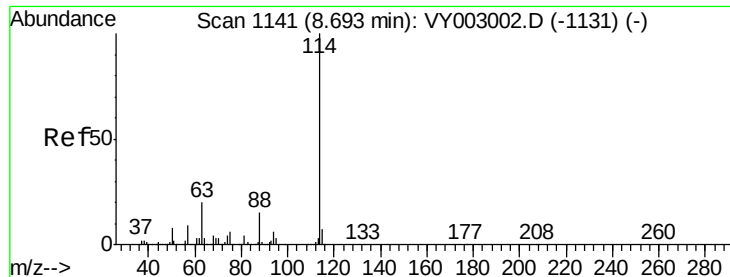
65 100

67 52.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

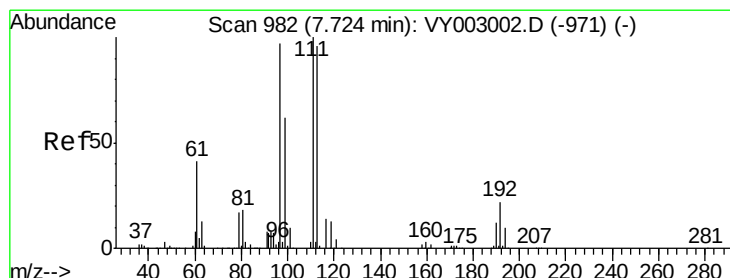
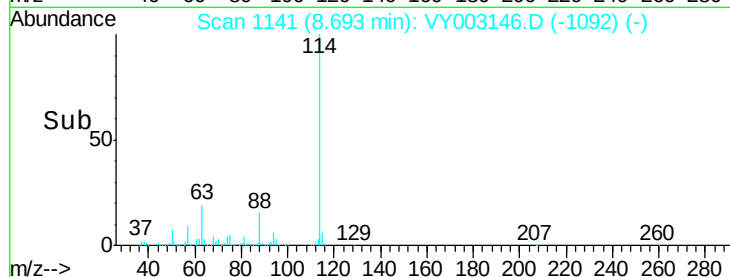
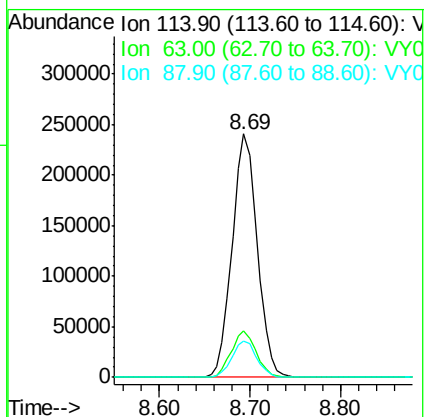
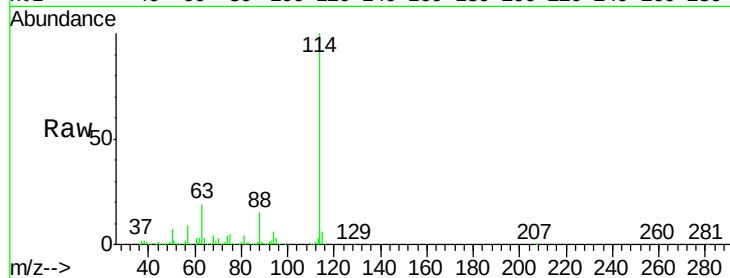




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

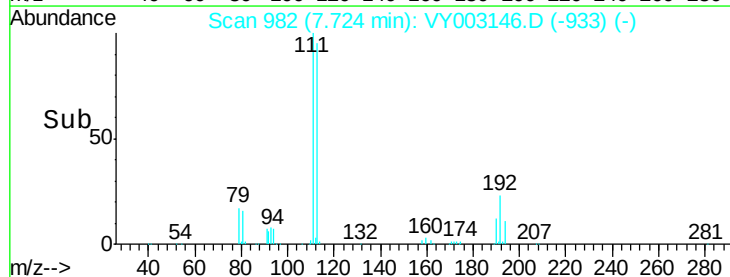
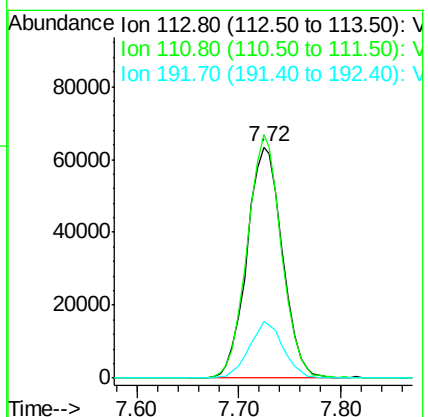
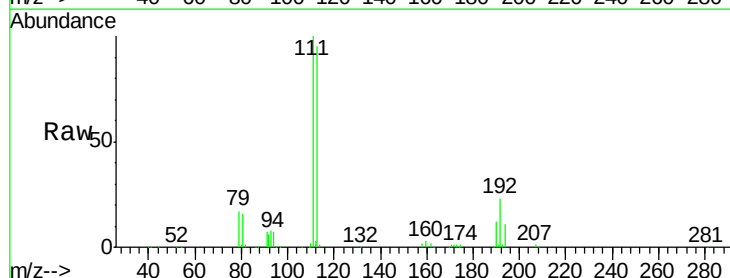
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-58

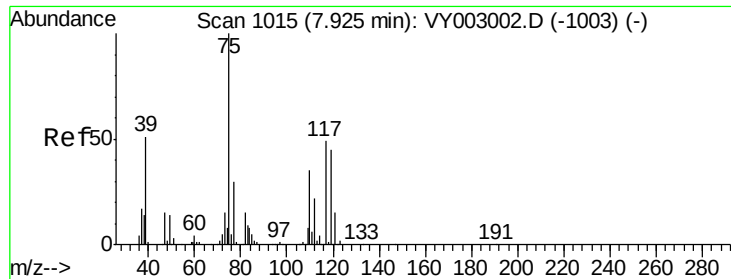
Tot Ion:114 Resp: 463045
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 14.8 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 52.969 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

Tgt Ion:113 Resp: 153003
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 23.4 18.1 27.1





#36

1,1-Dichloropropene

Concen: 4.261 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-58

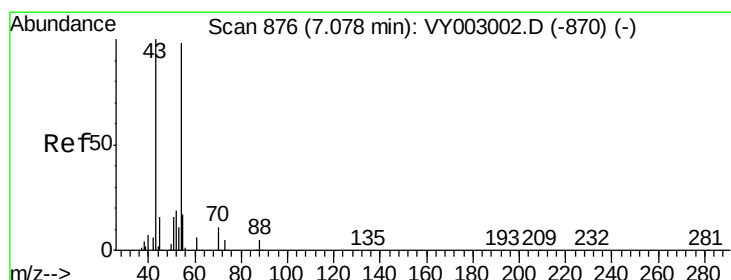
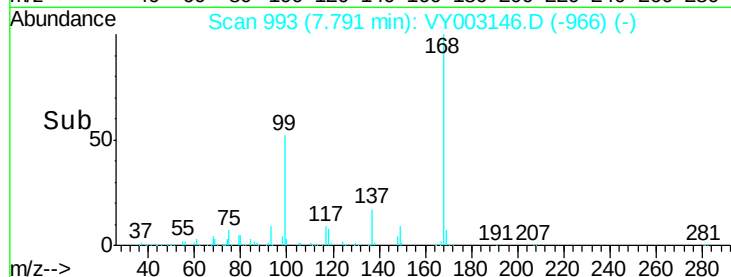
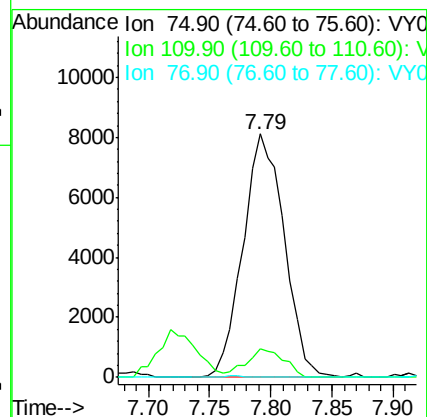
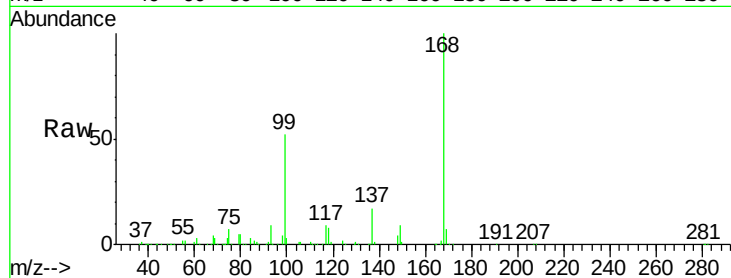
Tot Ion: 75 Resp: 19003

Ion Ratio Lower Upper

75 100

110 10.6 17.1 51.2#

77 0.3 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.382 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.07 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

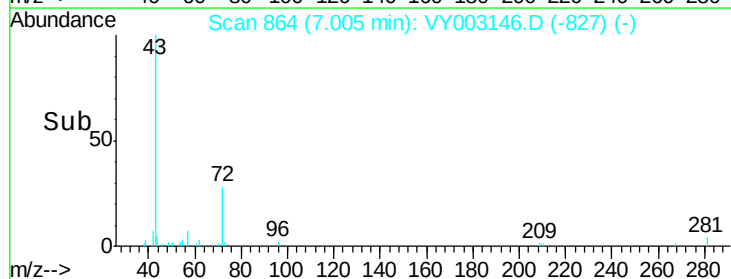
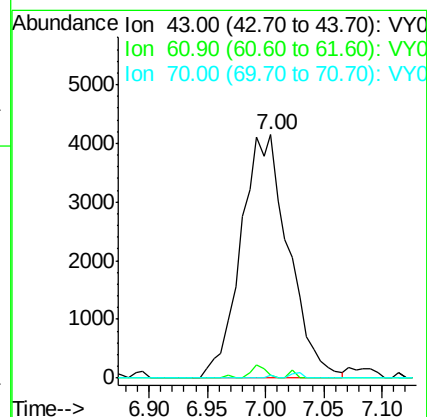
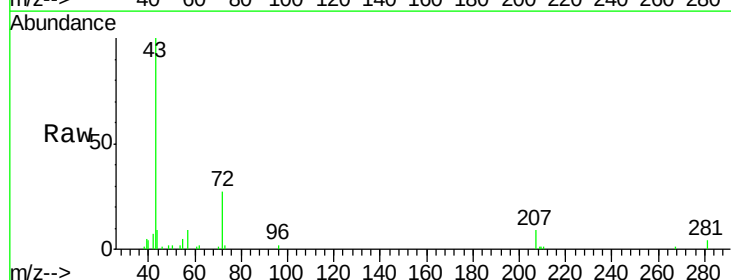
Tgt Ion: 43 Resp: 11751

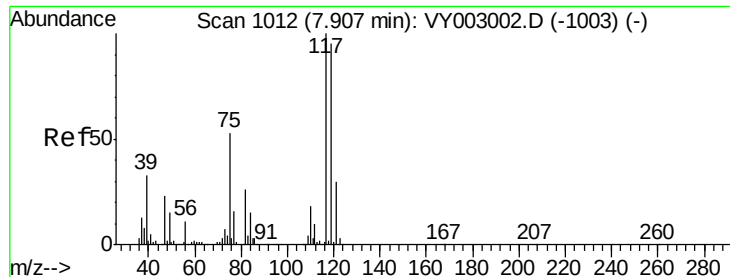
Ion Ratio Lower Upper

43 100

61 1.7 10.4 15.6#

70 0.2 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.412 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-58

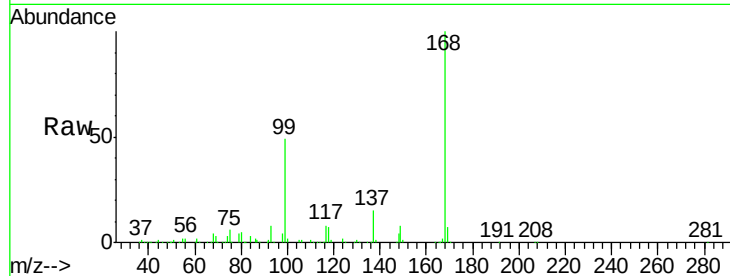
Tot Ion:117 Resp: 25114

Ion Ratio Lower Upper

117 100

119 7.2 75.7 113.5#

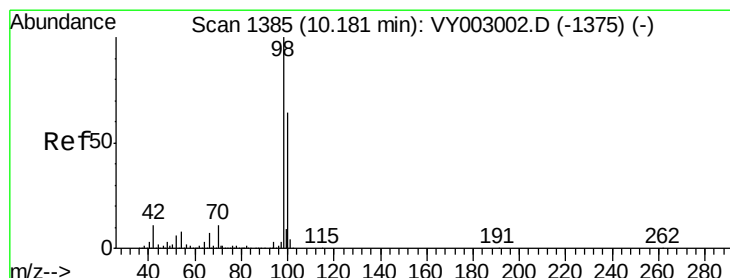
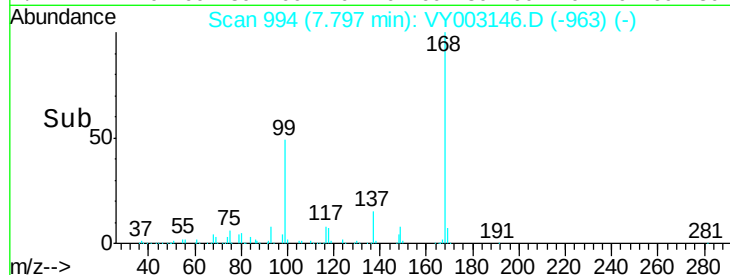
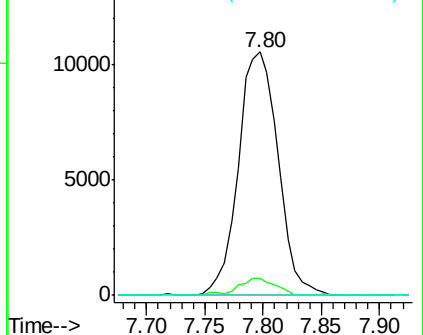
121 0.0 23.9 35.9#



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: 48.266 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003146.D

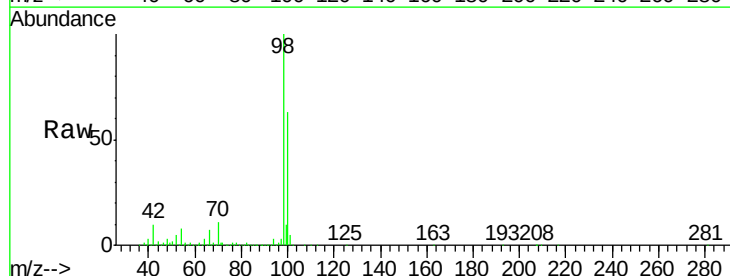
Acq: 09 Jul 2020 16:09

Tgt Ion: 98 Resp: 519395

Ion Ratio Lower Upper

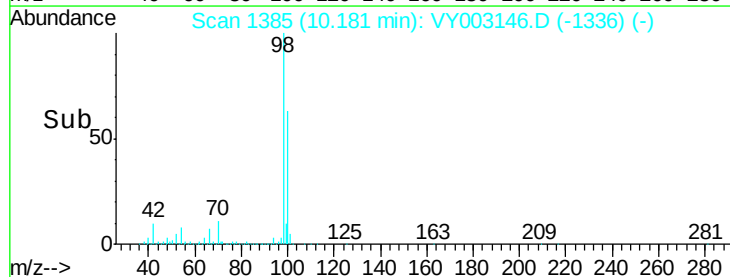
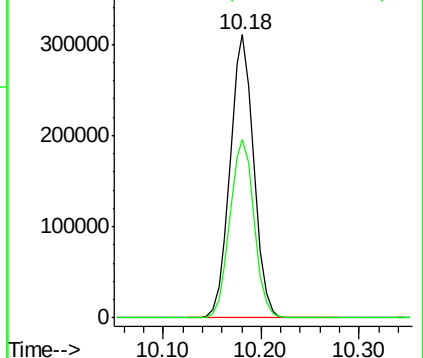
98 100

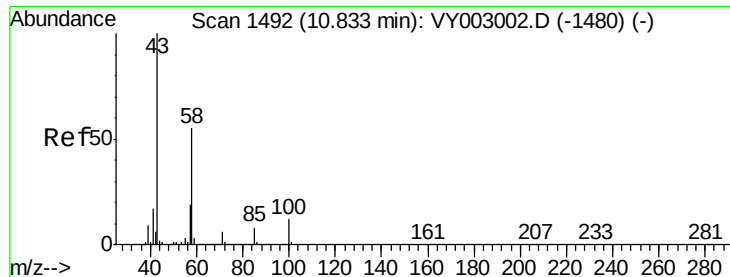
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#59

2-Hexanone

Concen: 1.019 ug/l

RT: 10.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

Instrument :

MSVOA_Y

ClientSampled :

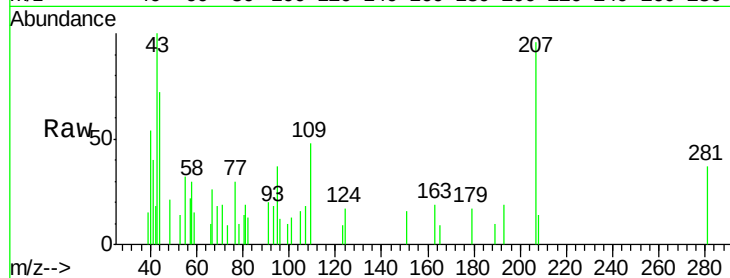
CHRT-58

Tot Ion: 43 Resp: 1876

Ion Ratio Lower Upper

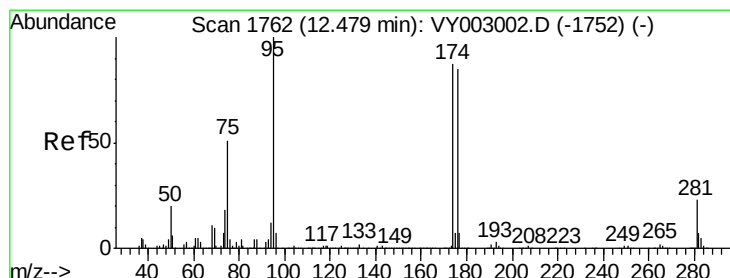
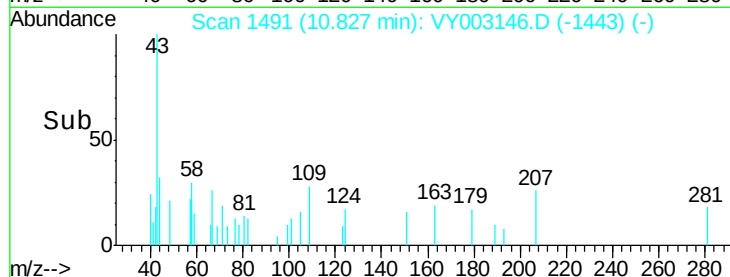
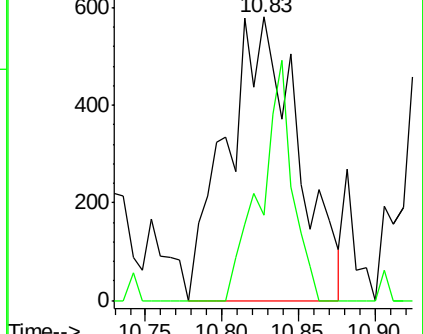
43 100

58 38.1 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 36.447 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

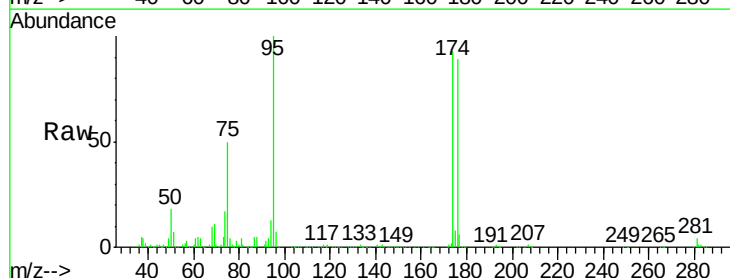
Tgt Ion: 95 Resp: 138058

Ion Ratio Lower Upper

95 100

174 95.1 0.0 184.8

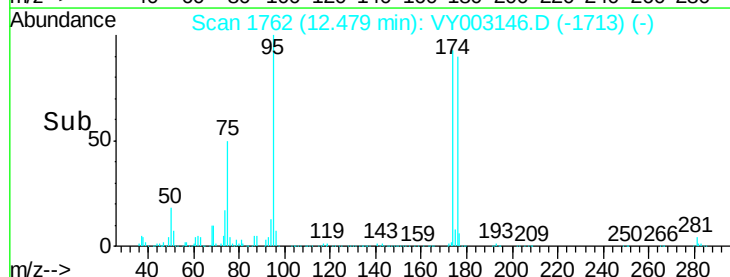
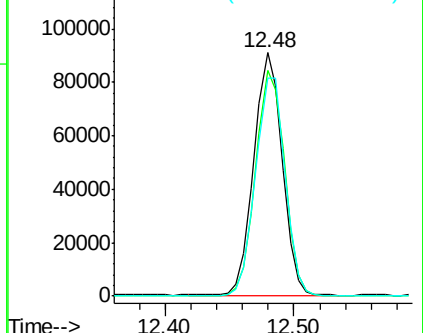
176 93.9 0.0 183.0

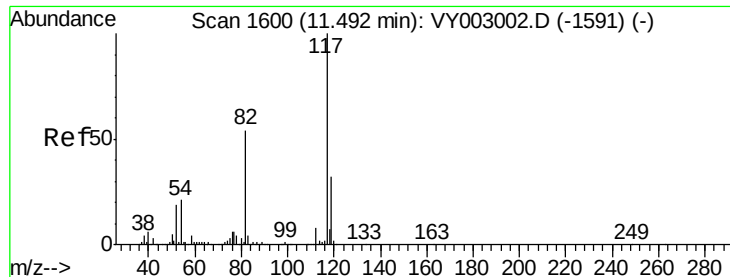


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

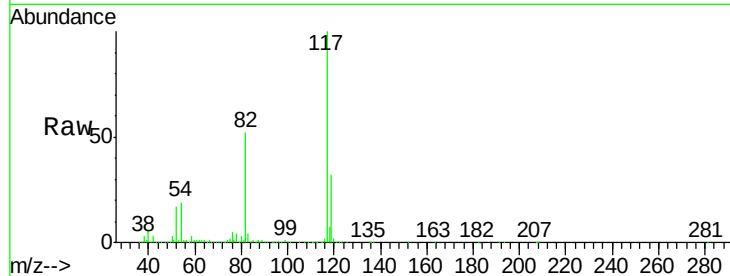




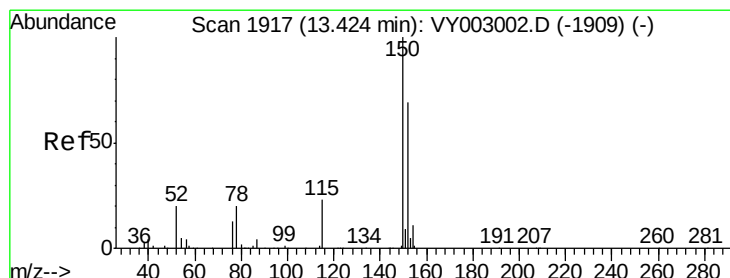
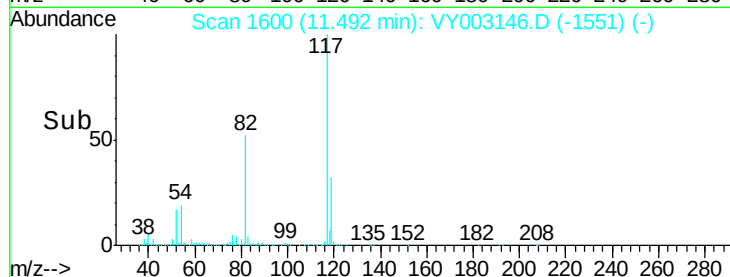
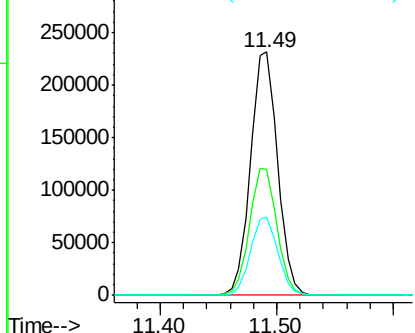
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003146.D
Acq: 09 Jul 2020 16:09

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-58

Tot Ion:117 Resp: 376182
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.6
119 32.4 25.8 38.8

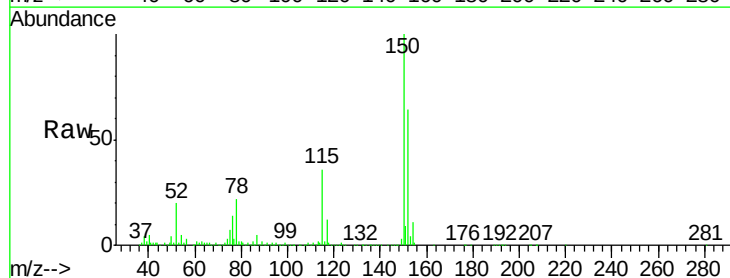


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

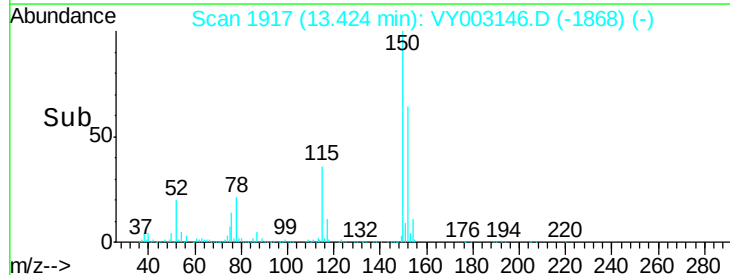
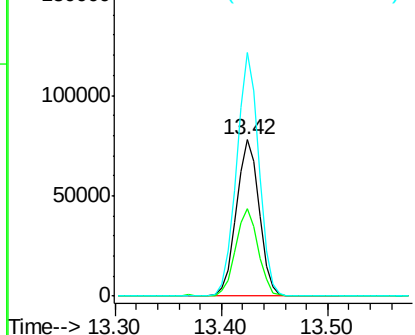


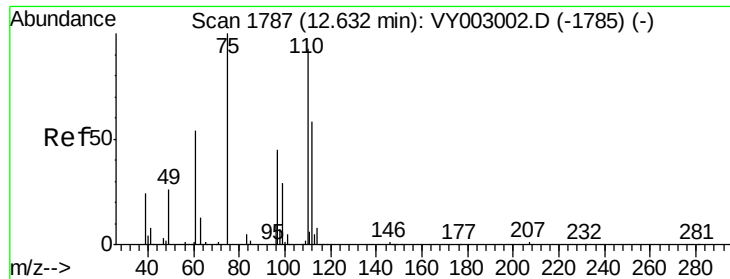
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003146.D
Acq: 09 Jul 2020 16:09

Tgt Ion:152 Resp: 118022
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 151.4 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

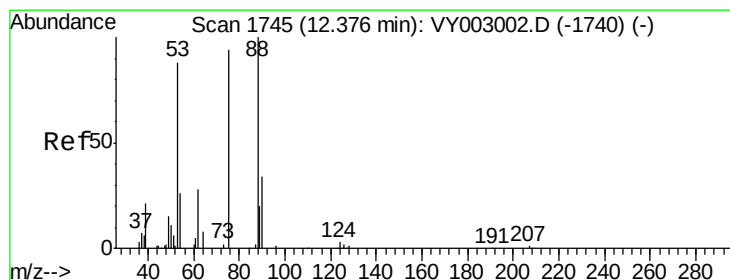
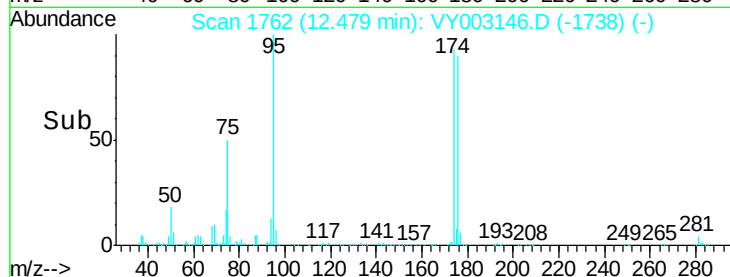
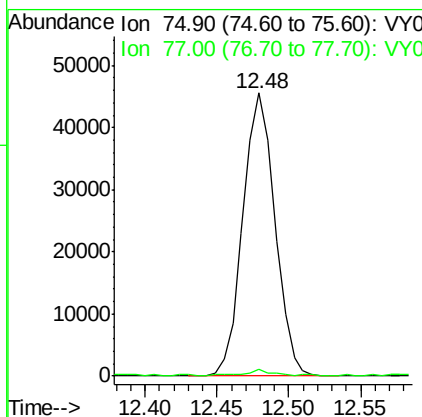
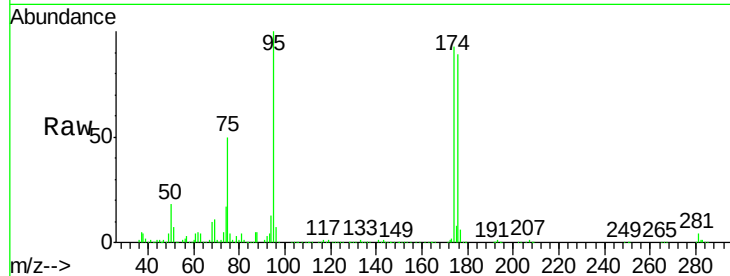




#76
 1,2,3-Trichloropropane
 Concen: 60.226 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

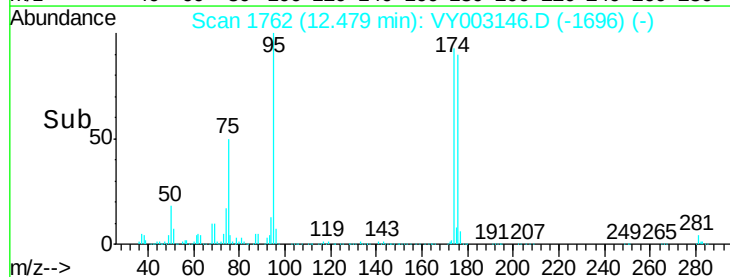
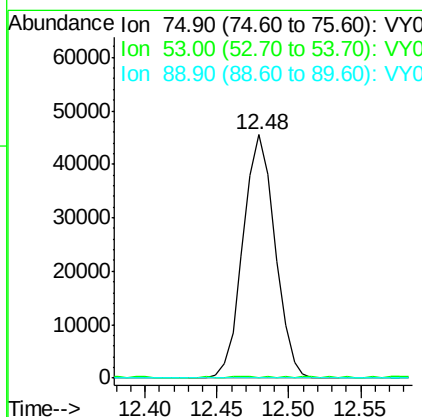
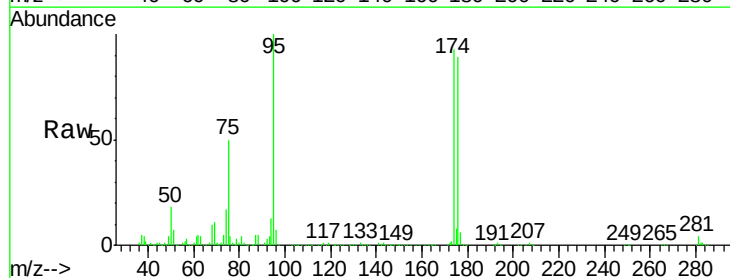
Instrument :
 MSVOA_Y
 ClientSampled :
 CHRT-58

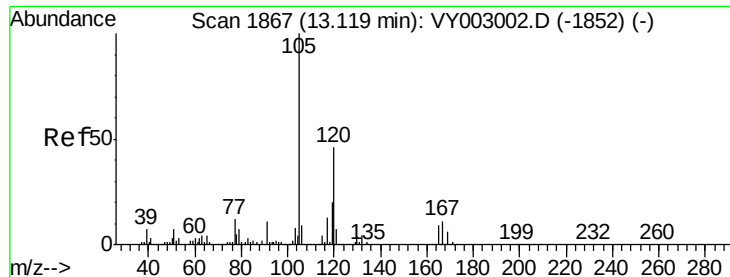
Tot Ion: 75 Resp: 70348
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.176 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

Tgt Ion: 75 Resp: 70348
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.1 37.5 56.3#

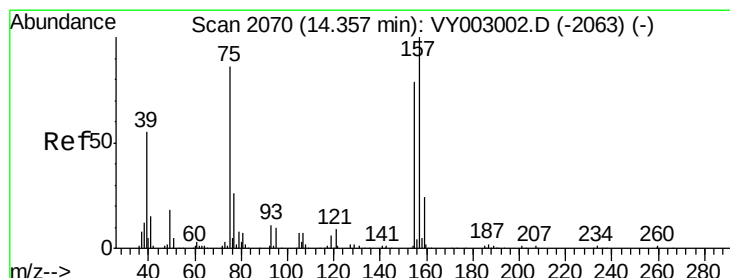
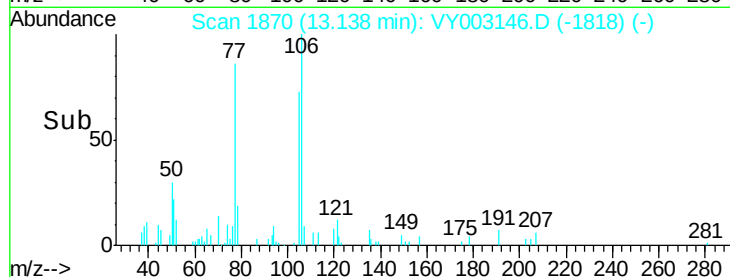
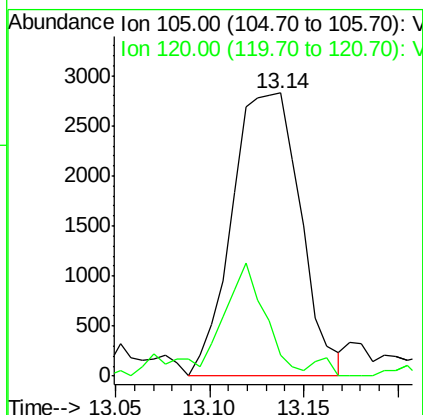
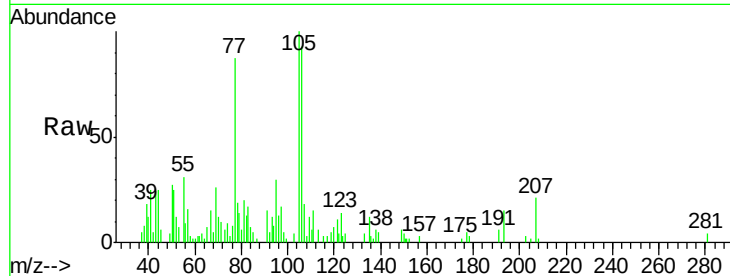




#84
 1,2,4-Trimethylbenzene
 Concen: 1.087 ug/l
 RT: 13.14 min Scan# 1870
 Delta R.T. 0.02 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

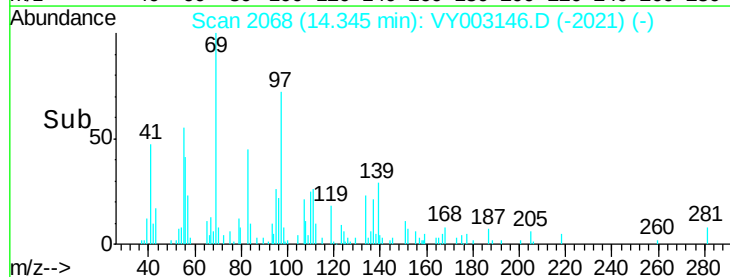
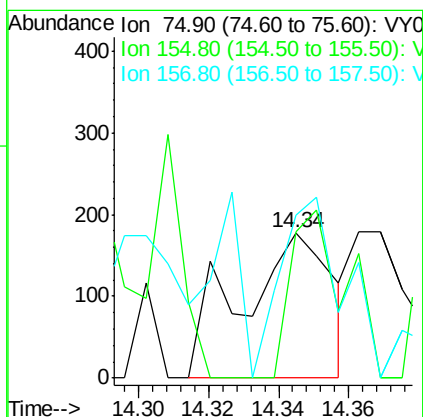
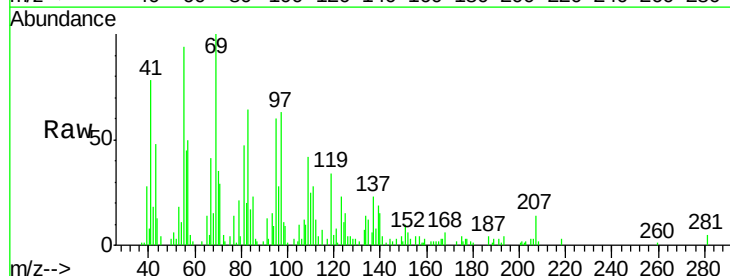
Instrument :
 MSVOA_Y
 ClientSampled :
 CHRT-58

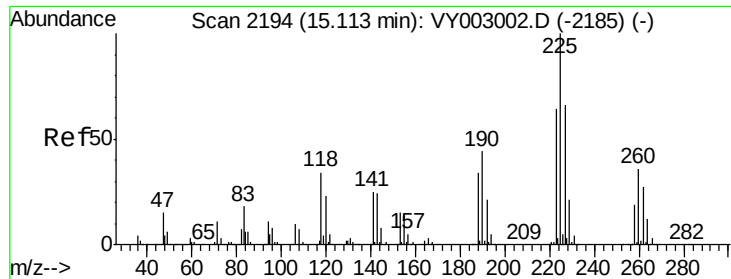
Tot Ion:105 Resp: 7097
 Ion Ratio Lower Upper
 105 100
 120 24.1 22.6 67.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.160 ug/l
 RT: 14.34 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

Tgt Ion: 75 Resp: 320
 Ion Ratio Lower Upper
 75 100
 155 70.6 46.5 139.3
 157 85.6 59.2 177.5





#94

Hexachlorobutadiene

Concen: 1.180 ug/l

RT: 15.11 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

Instrument :

MSVOA_Y

ClientSampled :

CHRT-58

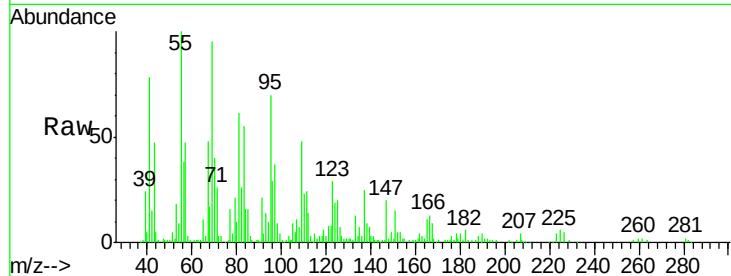
Tot Ion:225 Resp: 1834

Ion Ratio Lower Upper

225 100

223 63.5 32.4 97.0

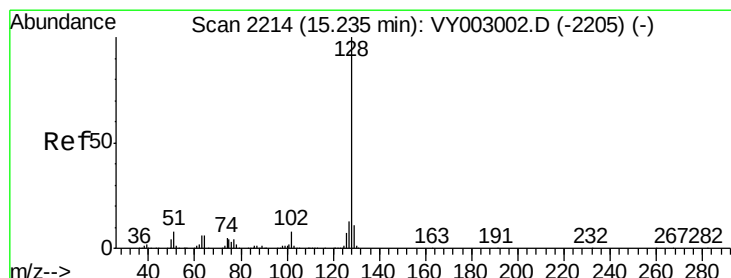
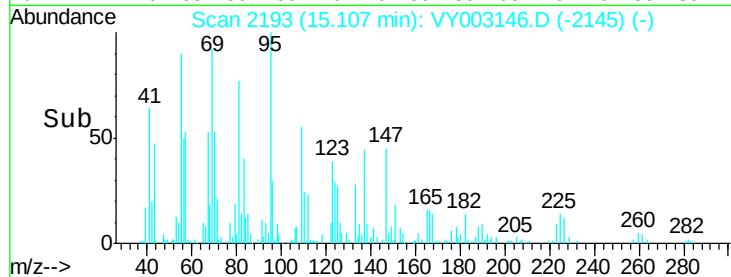
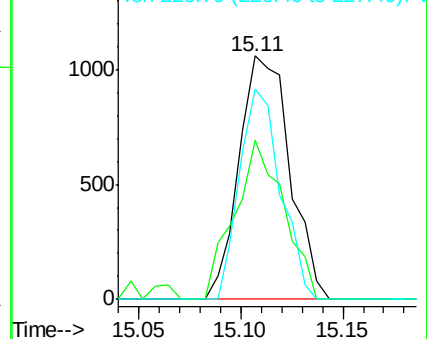
227 69.6 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.624 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003146.D

Acq: 09 Jul 2020 16:09

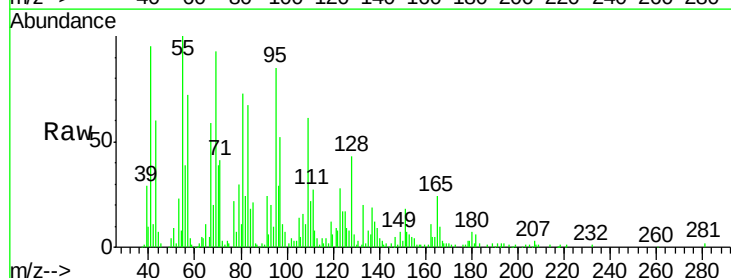
Tgt Ion:128 Resp: 11813

Ion Ratio Lower Upper

128 100

127 18.9 10.8 16.2#

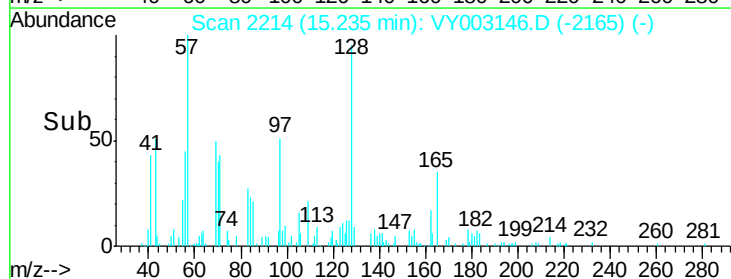
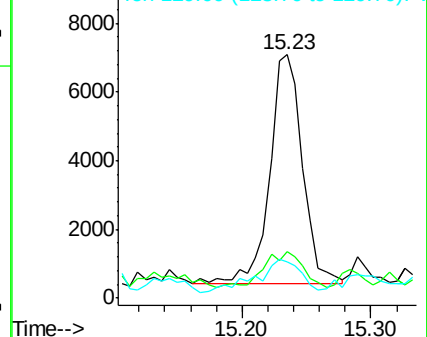
129 19.0 8.8 13.2#

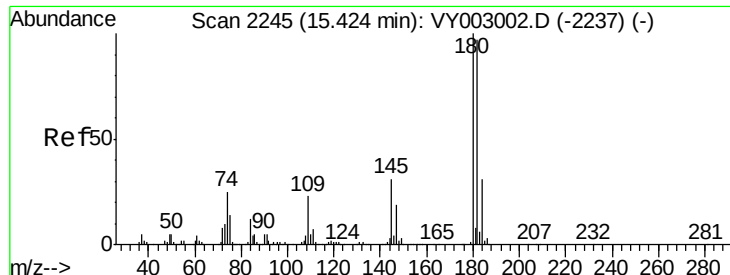


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.859 ug/l
 RT: 15.44 min Scan# 2248
 Delta R.T. 0.02 min
 Lab File: VY003146.D
 Acq: 09 Jul 2020 16:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-58

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	14.7	44.1#

