

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003171.D
 Acq On : 10 Jul 2020 18:18
 Operator : SY/MD
 Sample : L3255-11RE
 Misc : 7.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-31RE

Quant Time: Jul 11 06:03:10 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	430909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	644506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	502380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132359	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	206933	56.90	ug/l	0.00
Spiked Amount			Recovery	=	113.80%	
35) Dibromofluoromethane	7.72	113	200647	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
50) Toluene-d8	10.18	98	727311	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.48	95	175403	35.21	ug/l	0.00
Spiked Amount			Recovery	=	70.42%	

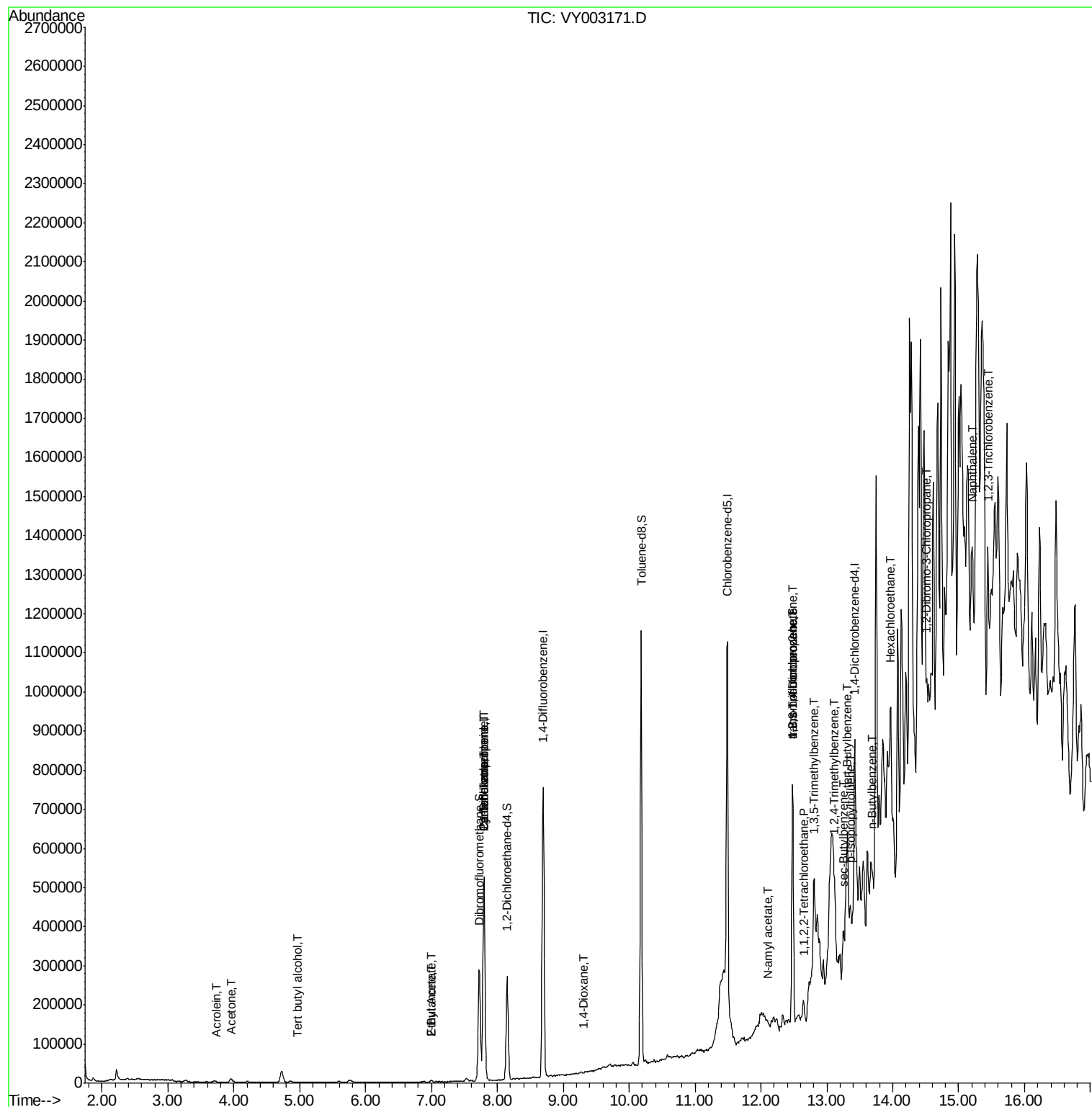
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	929	2.362	ug/l #	89
13) Acrolein	3.74	56	638	1.869	ug/l #	15
16) Acetone	3.96	43	15950	19.633	ug/l	99
25) 2-Butanone	7.00	43	5708	4.279	ug/l	95
31) Cyclohexane	7.80	56	7768	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	29060	4.975	ug/l #	51
37) Ethyl Acetate	7.00	43	5708	1.815	ug/l #	68
38) Carbon Tetrachloride	7.80	117	39383	6.531	ug/l #	18
49) 1,4-Dioxane	9.31	88	286	9.271	ug/l #	23
74) N-amyl acetate	12.11	43	2524	1.066	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.64	83	6123	3.759	ug/l #	40
76) 1,2,3-Trichloropropane	12.48	75	89420	76.323	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	12541	1.784	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	89420	148.539	ug/l #	13
83) tert-Butylbenzene	13.31	119	18000	2.902	ug/l	79
84) 1,2,4-Trimethylbenzene	13.12	105	40705	5.755	ug/l	95
85) sec-Butylbenzene	13.25	105	12036	1.412	ug/l #	76
86) p-Isopropyltoluene	13.37	119	21316	2.678	ug/l	90
89) n-Butylbenzene	13.70	91	11822	1.579	ug/l #	70
90) Hexachloroethane	13.97	117	6449	4.449	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.52	75	650	2.461	ug/l	73
95) Naphthalene	15.20	128	6716	1.601	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.44	180	16475	8.211	ug/l #	11

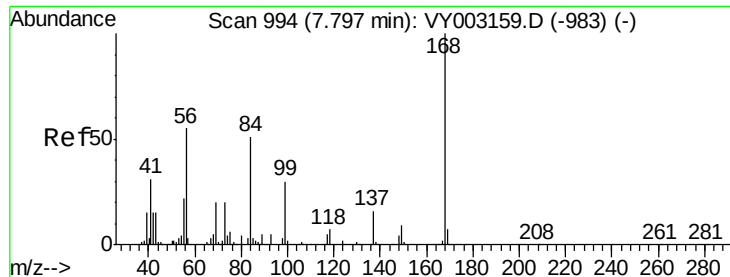
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
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Quant Time: Jul 11 06:03:10 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: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

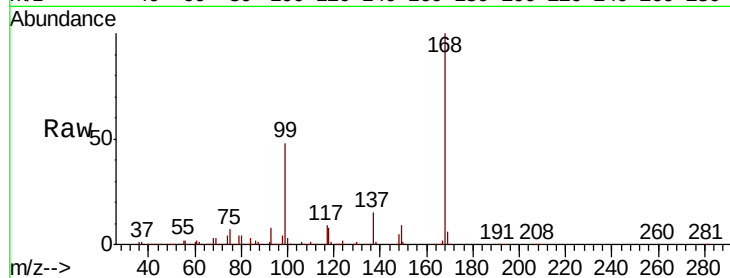
CHRT-31RE

Tot Ion:168 Resp: 430909

Ion Ratio Lower Upper

168 100

99 47.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003171.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003171.D (-945) (-)

7.80

200000

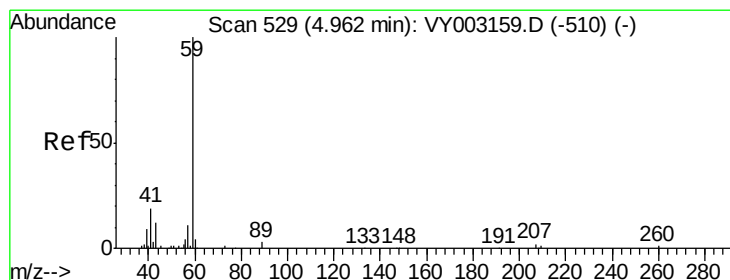
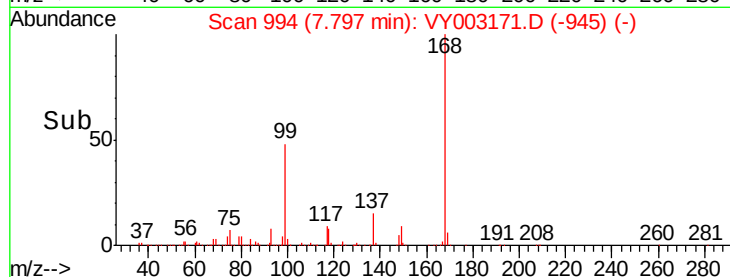
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.362 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY003171.D

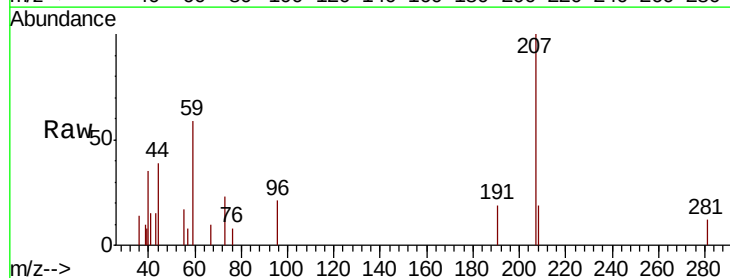
Acq: 10 Jul 2020 18:18

Tgt Ion: 59 Resp: 929

Ion Ratio Lower Upper

59 100

57 6.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003171.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003171.D (-480) (-)

4.97

500

400

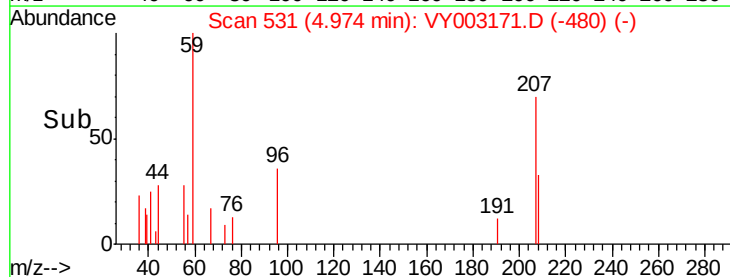
300

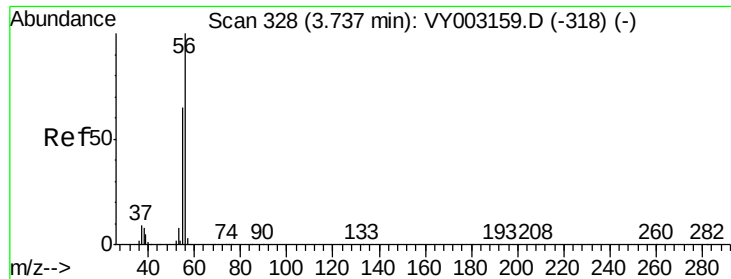
200

100

0

Time-->

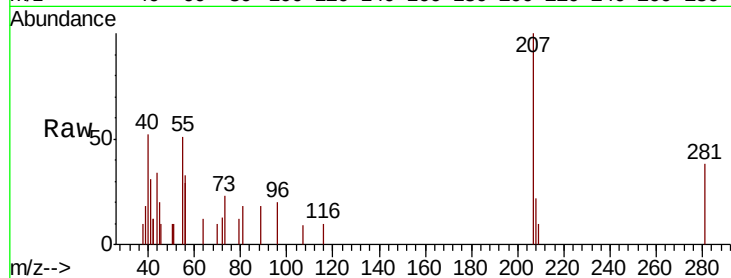




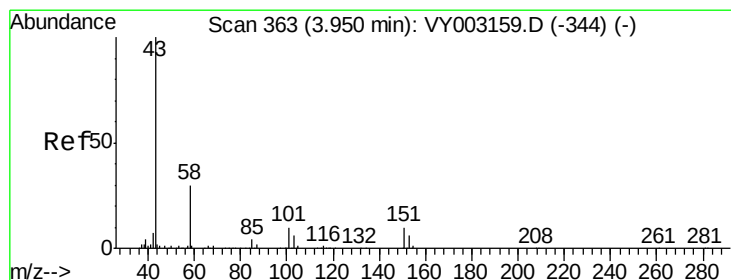
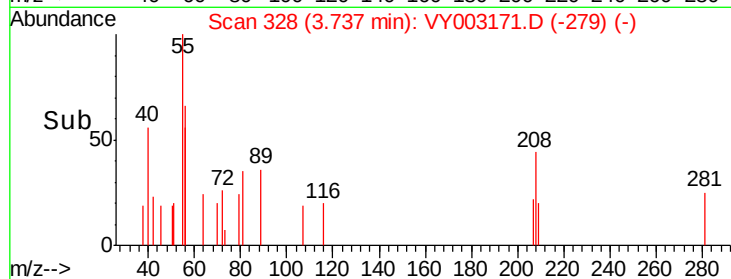
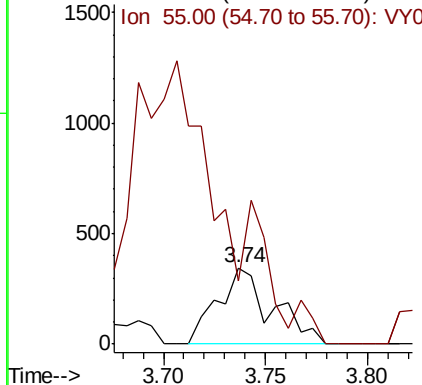
#13
Acrolein
Concen: 1.869 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.00 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

Instrument :
MSVOA_Y
ClientSampled :
CHRT-31RE

Tot Ion: 56 Resp: 638
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

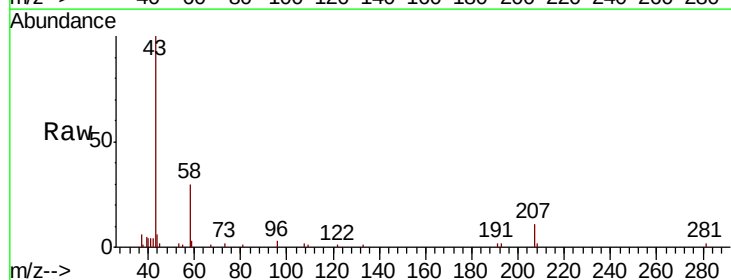


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0

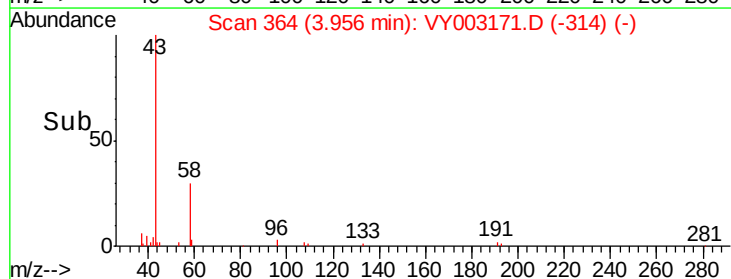
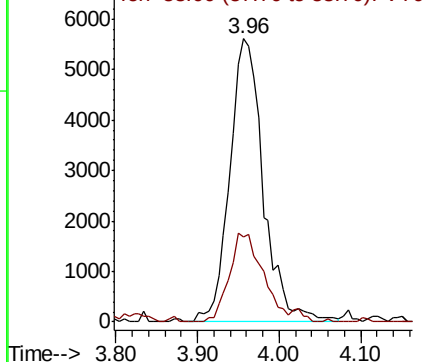


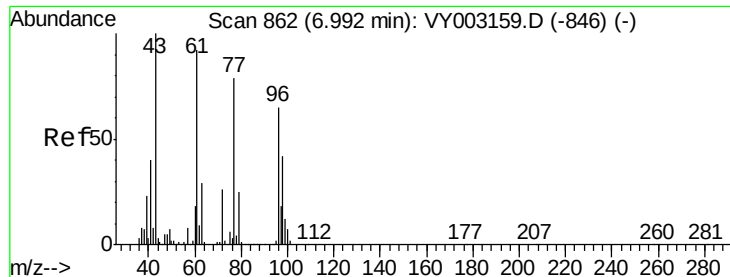
#16
Acetone
Concen: 19.633 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

Tgt Ion: 43 Resp: 15950
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#25

2-Butanone

Concen: 4.279 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

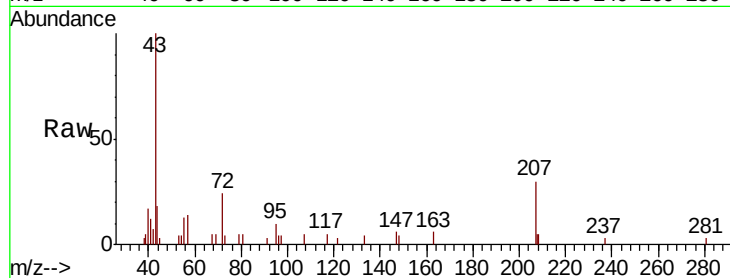
CHRT-31RE

Tot Ion: 43 Resp: 5708

Ion Ratio Lower Upper

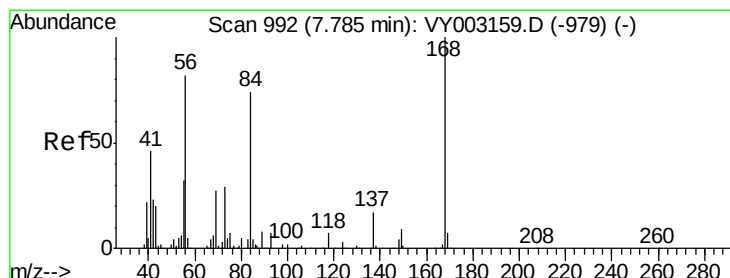
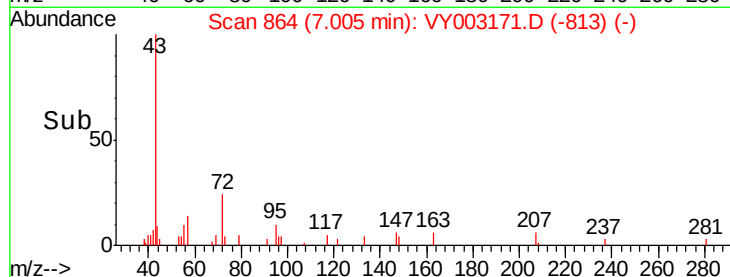
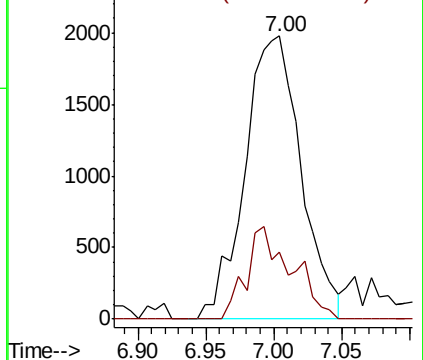
43 100

72 23.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

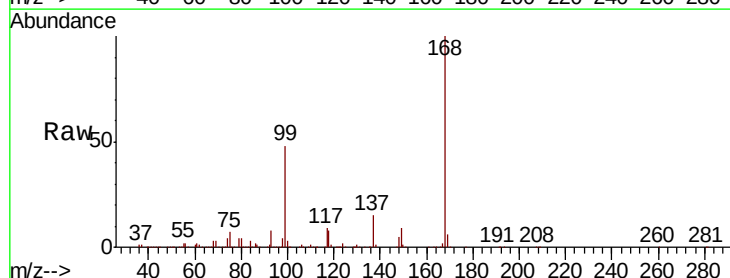
Tgt Ion: 56 Resp: 7768

Ion Ratio Lower Upper

56 100

69 173.8 26.7 40.1#

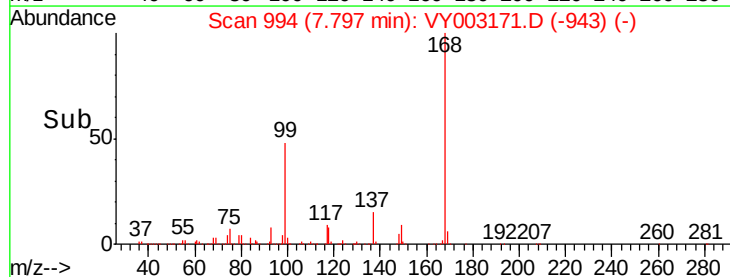
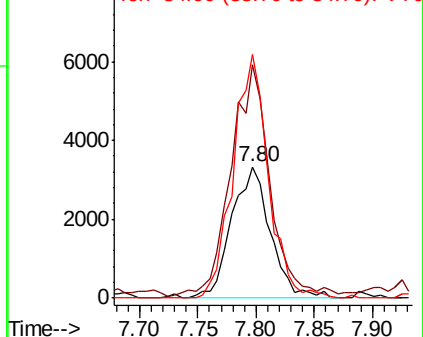
84 189.8 72.3 108.5#

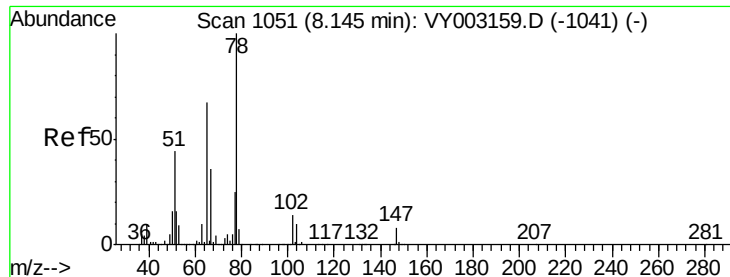


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

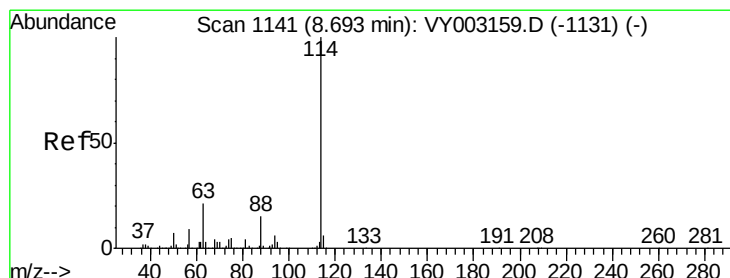
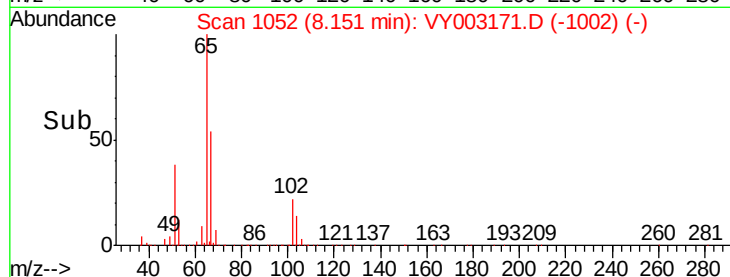
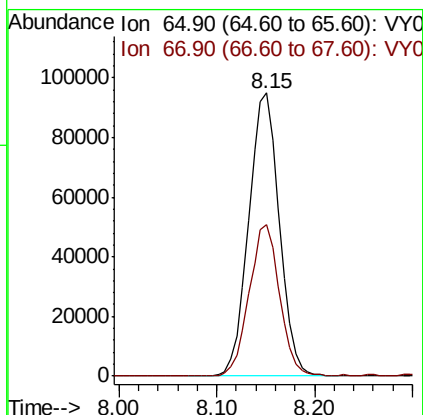
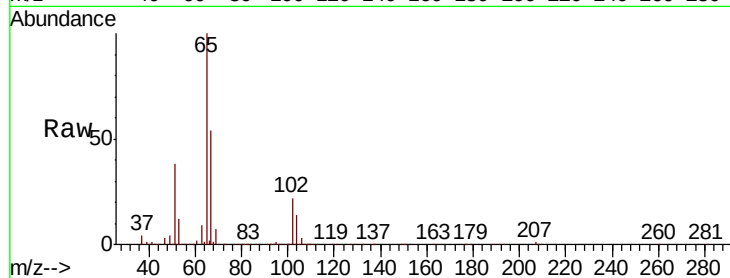




#33
 1,2-Dichloroethane-d4
 Concen: 56.896 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003171.D
 Acq: 10 Jul 2020 18:18

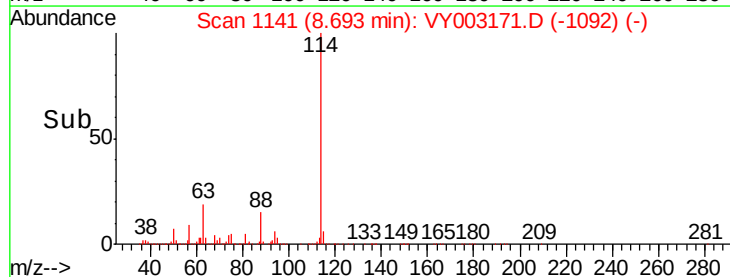
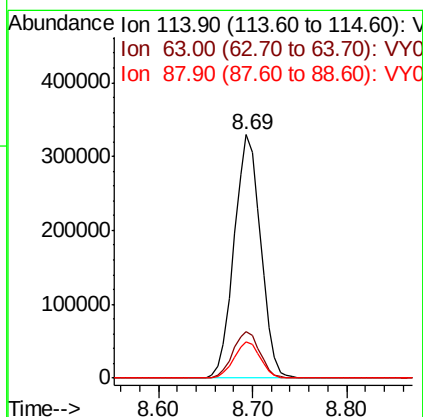
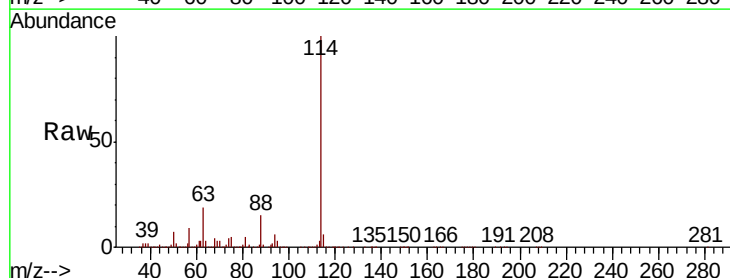
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-31RE

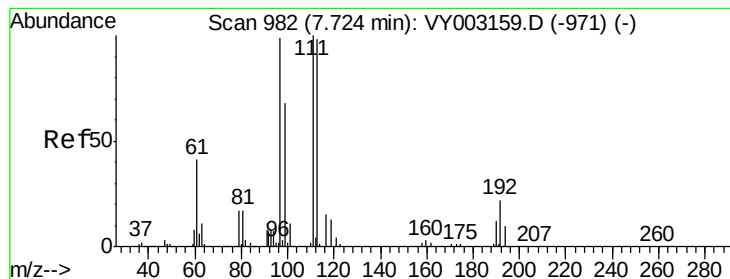
Tot Ion: 65 Resp: 206933
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003171.D
 Acq: 10 Jul 2020 18:18

Tgt Ion: 114 Resp: 644506
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.2
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 54.098 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31RE

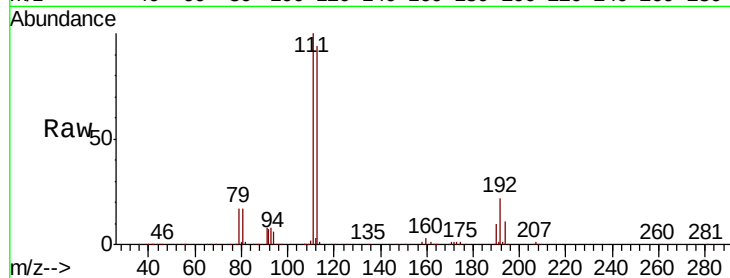
Tot Ion:113 Resp: 200647

Ion Ratio Lower Upper

113 100

111 103.1 82.1 123.1

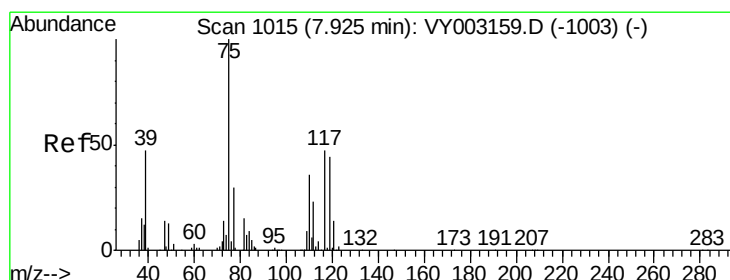
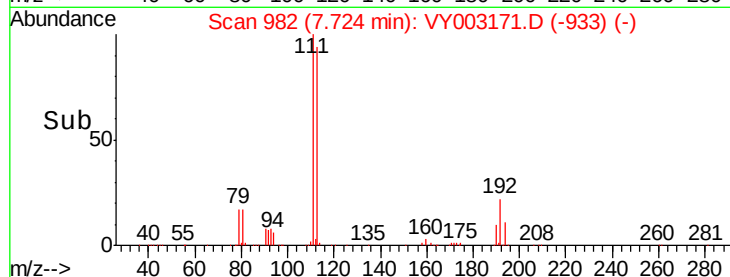
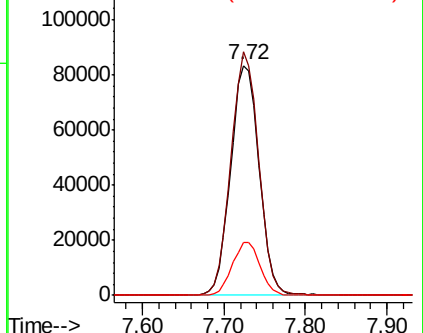
192 22.7 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.975 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

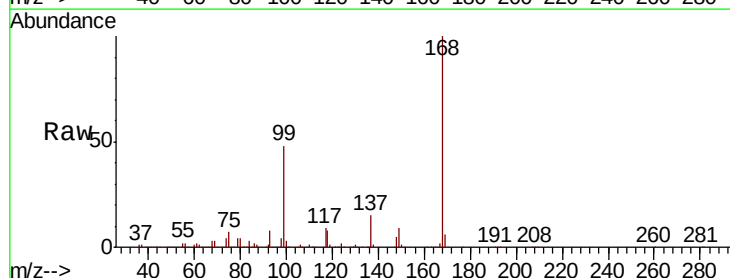
Tgt Ion: 75 Resp: 29060

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

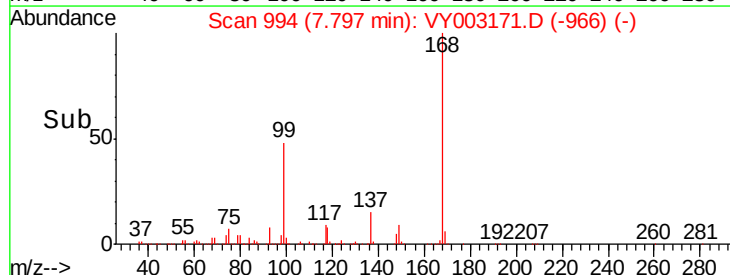
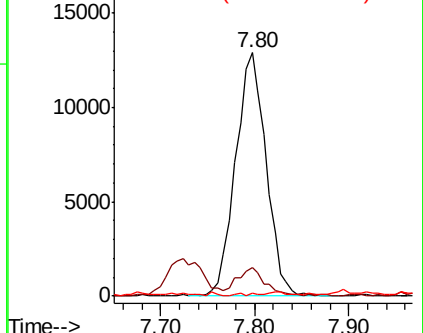
77 0.2 24.8 37.2#

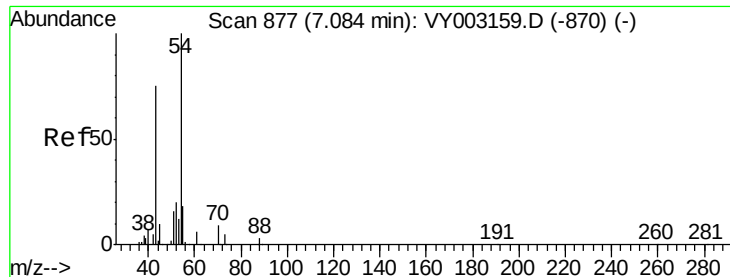


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

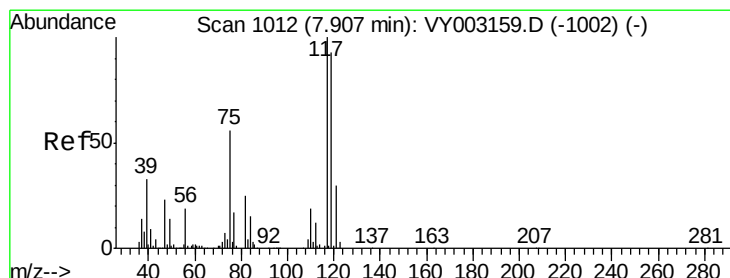
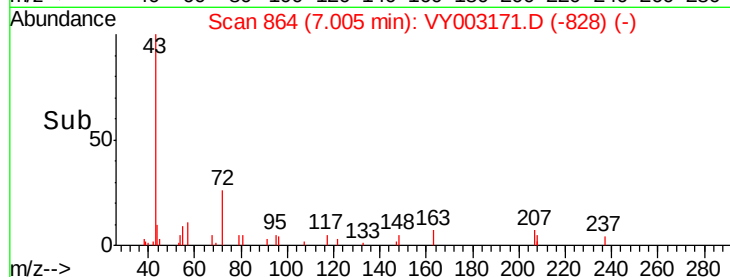
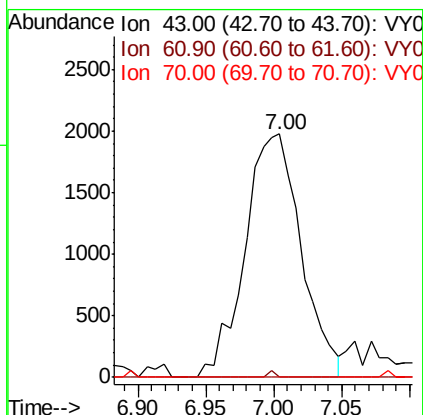
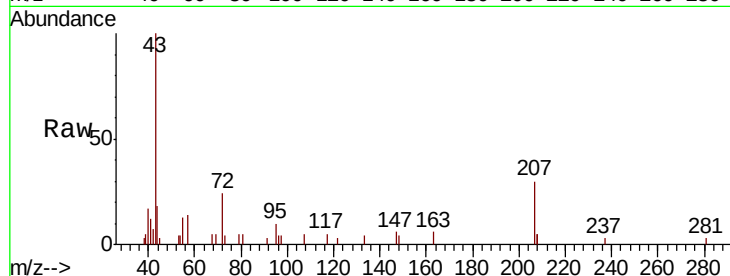




#37
Ethyl Acetate
Concen: 1.815 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.08 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

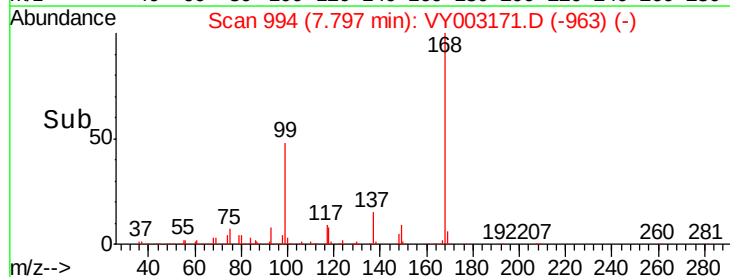
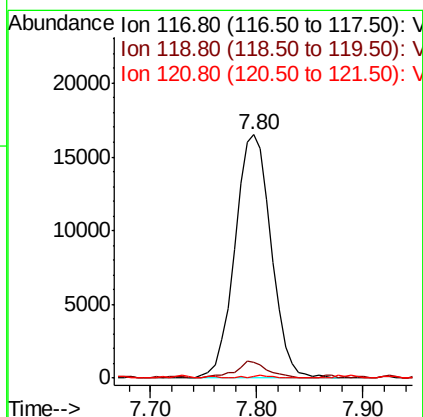
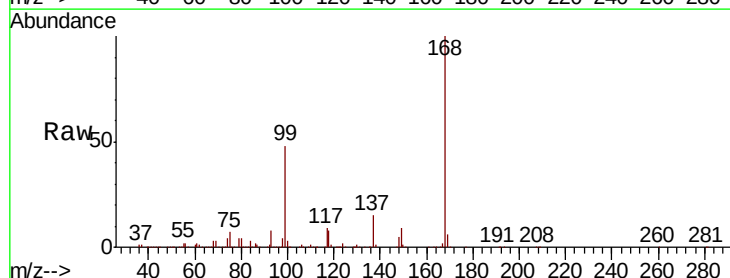
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-31RE

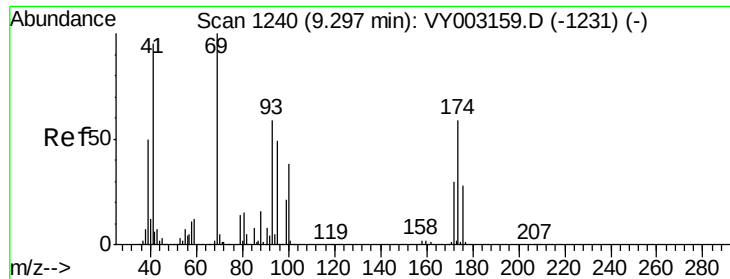
Tot Ion: 43 Resp: 5708
Ion Ratio Lower Upper
43 100
61 0.4 11.8 17.6#
70 0.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 6.531 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

Tgt Ion: 117 Resp: 39383
Ion Ratio Lower Upper
117 100
119 6.5 74.5 111.7#
121 0.0 24.2 36.2#

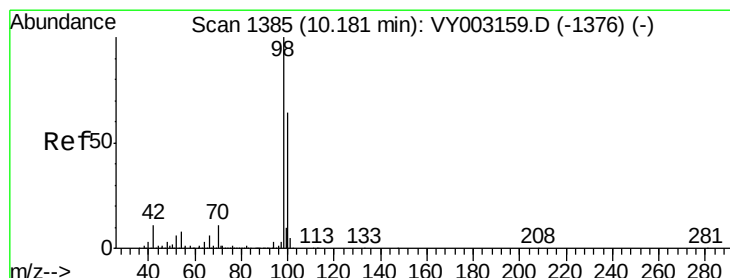
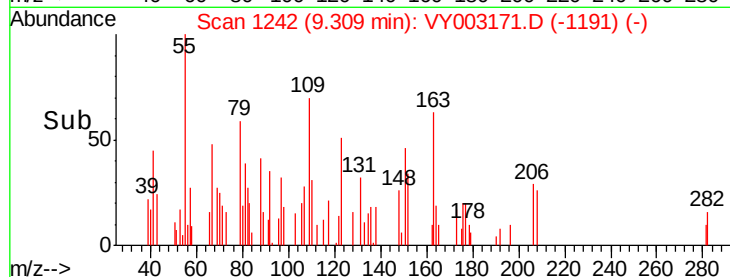
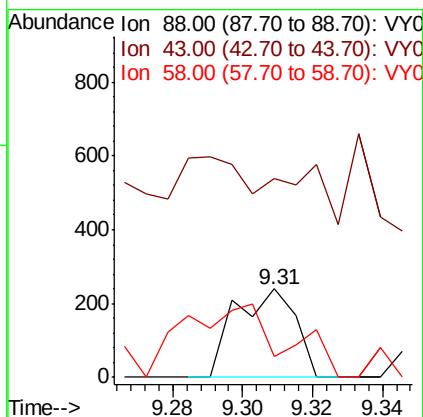
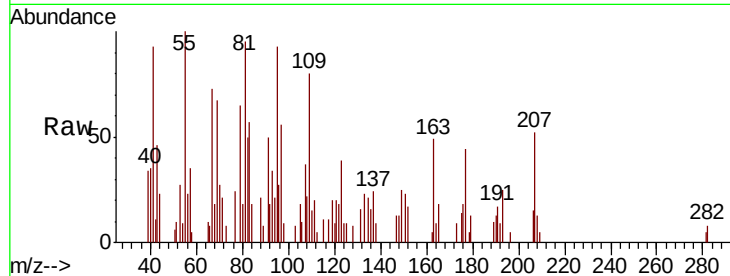




#49
1,4-Dioxane
Concen: 9.271 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

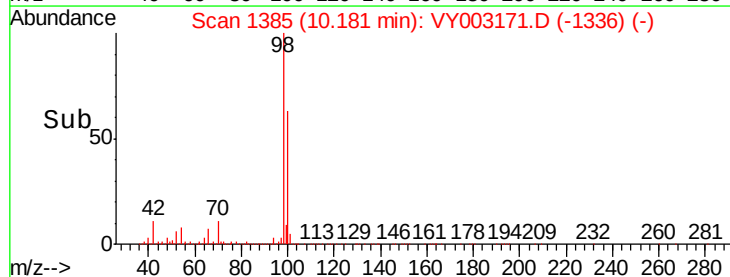
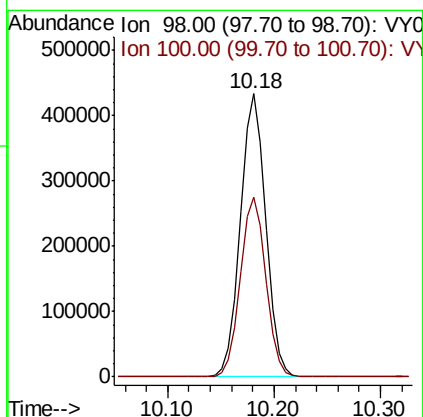
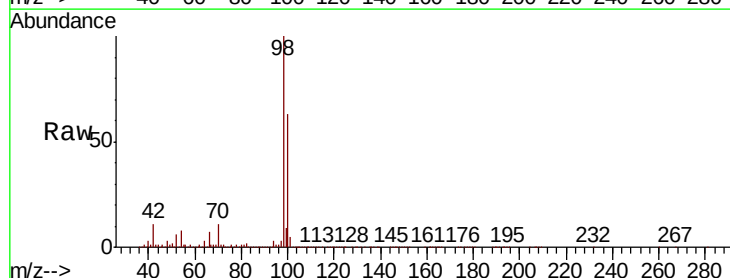
Instrument :
MSVOA_Y
ClientSampled :
CHRT-31RE

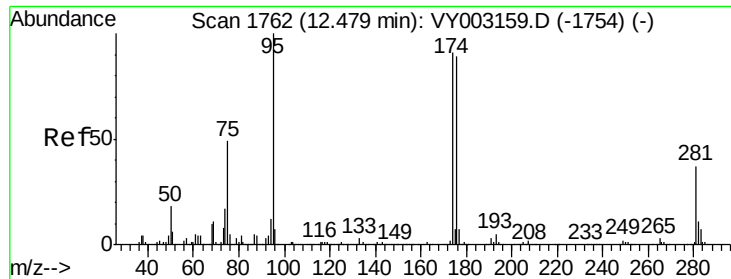
Tot Ion: 88 Resp: 286
Ion Ratio Lower Upper
88 100
43 47.2 25.6 38.4#
58 137.4 47.8 71.6#



#50
Toluene-d8
Concen: 52.744 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

Tgt Ion: 98 Resp: 727311
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 35.211 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31RE

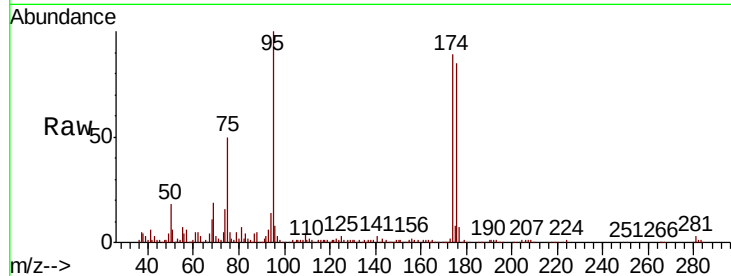
Tot Ion: 95 Resp: 175403

Ion Ratio Lower Upper

95 100

174 95.4 0.0 190.6

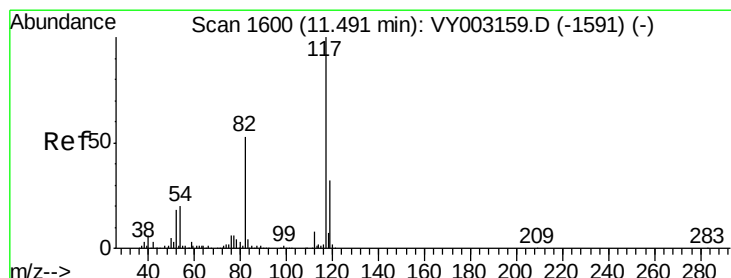
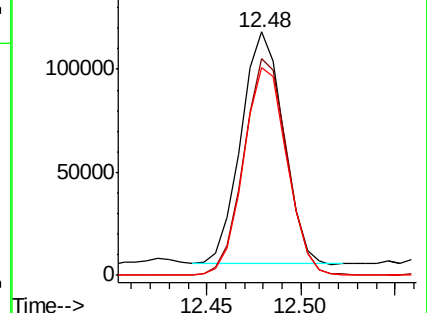
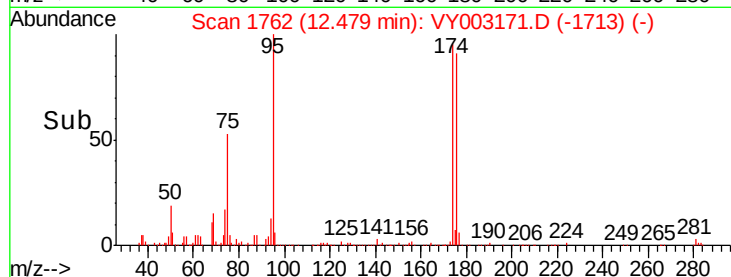
176 92.1 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003171.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003171.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003171.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

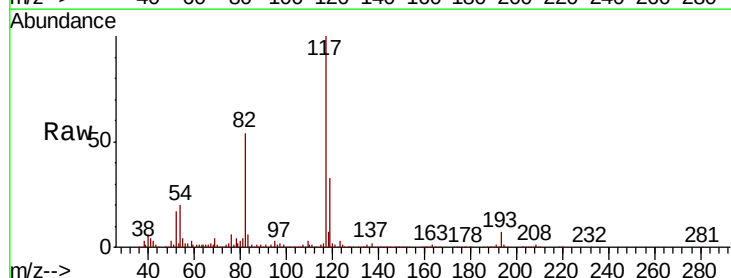
Tgt Ion: 117 Resp: 502380

Ion Ratio Lower Upper

117 100

82 53.4 42.0 63.0

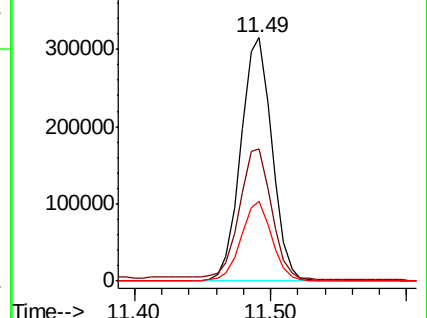
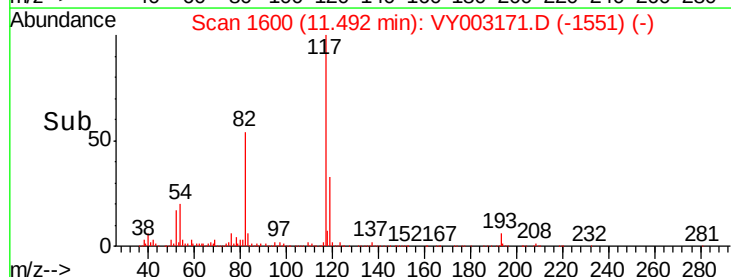
119 32.8 25.5 38.3

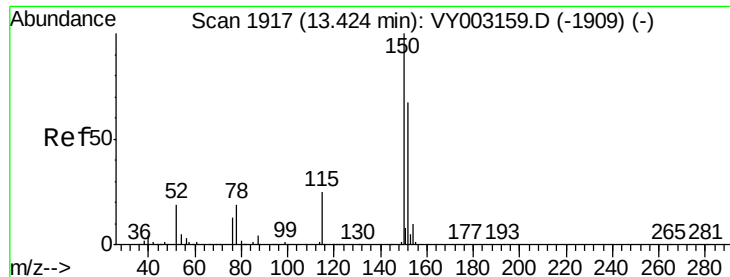


Abundance Ion 116.90 (116.60 to 117.60): VY003171.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003171.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003171.D (-1551) (-)



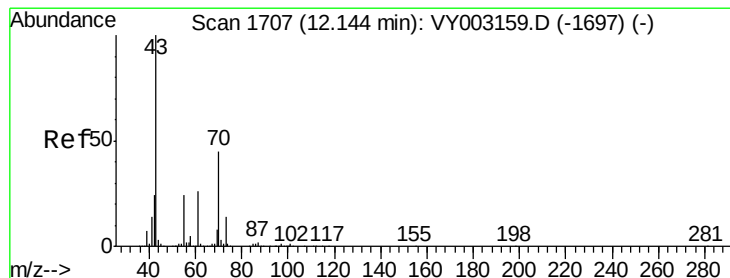
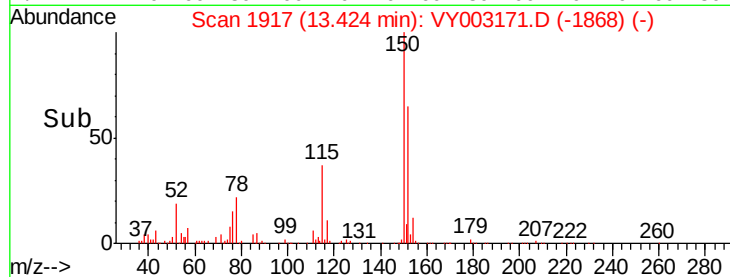
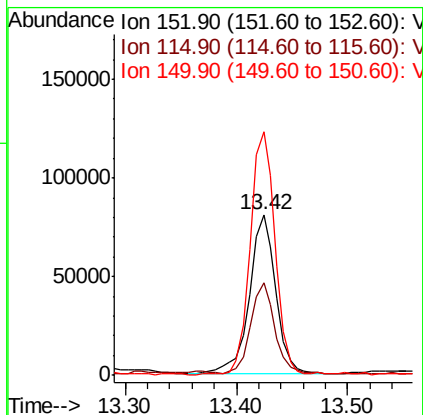
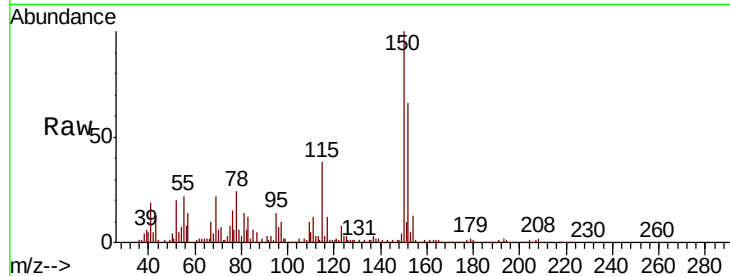


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-31RE

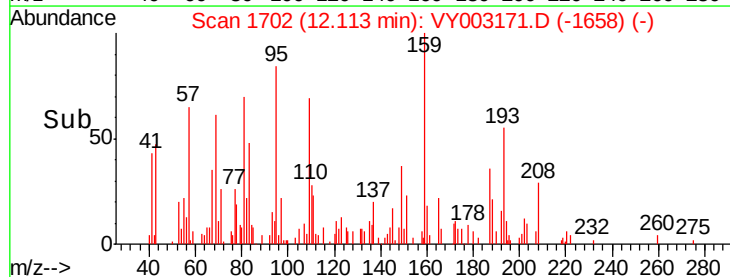
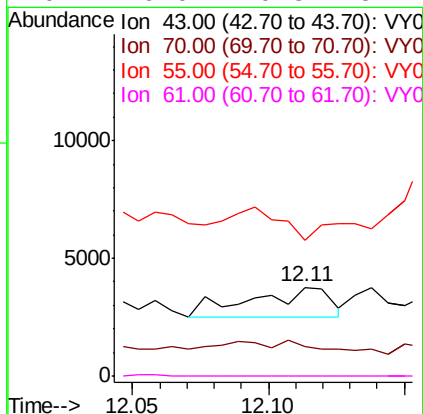
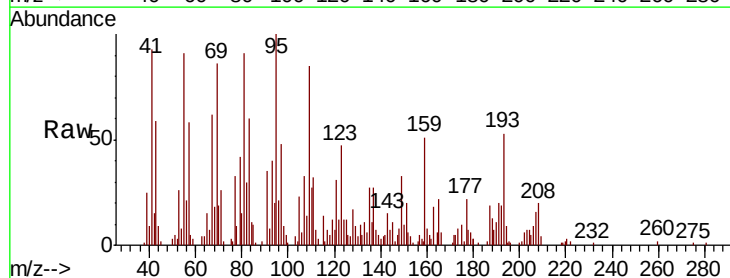
Tot Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.9	80.7
150	143.5	0.0	338.0

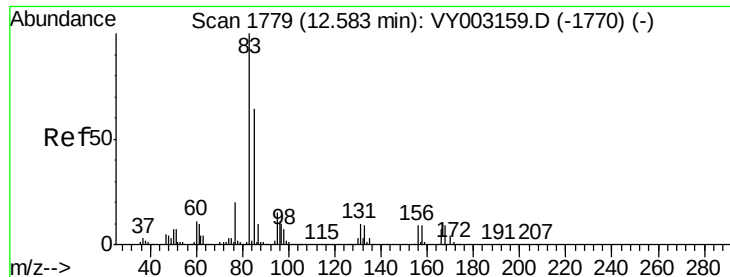


#74

N-amyl acetate
Concen: 1.066 ug/l
RT: 12.11 min Scan# 1702
Delta R.T. -0.03 min
Lab File: VY003171.D
Acq: 10 Jul 2020 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.6	53.4#
55	0.0	19.4	29.2#
61	0.0	20.8	31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.759 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.06 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31RE

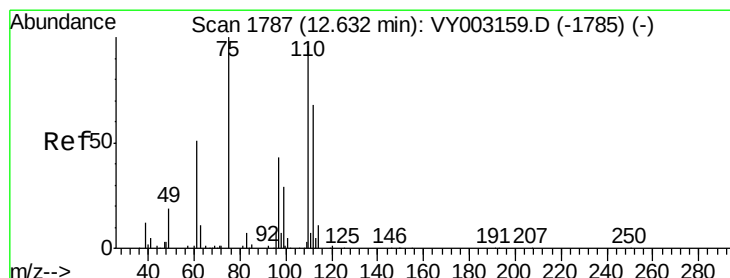
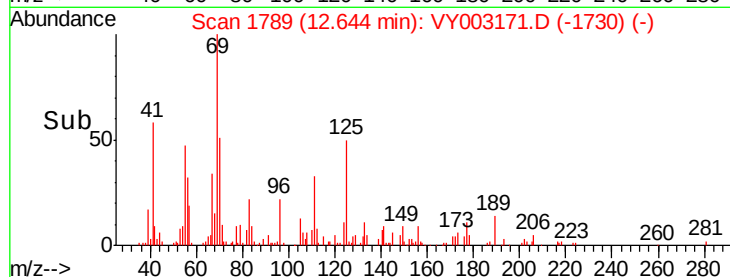
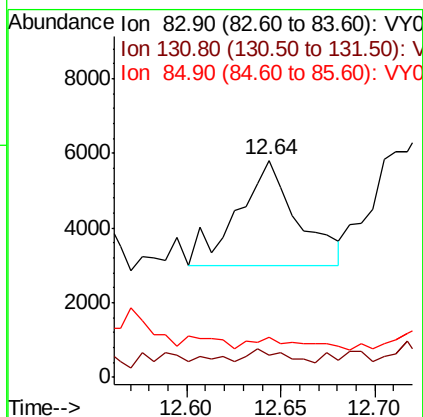
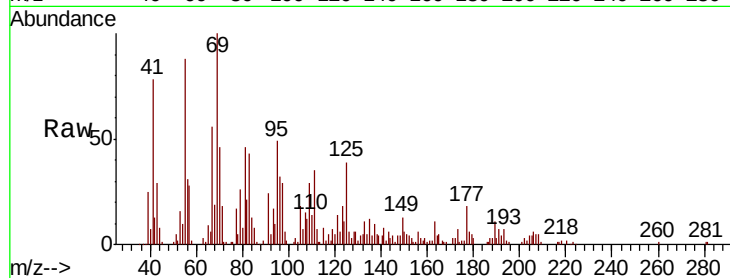
Tot Ion: 83 Resp: 6123

Ion Ratio Lower Upper

83 100

131 7.3 5.2 15.6

85 10.7 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 76.323 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003171.D

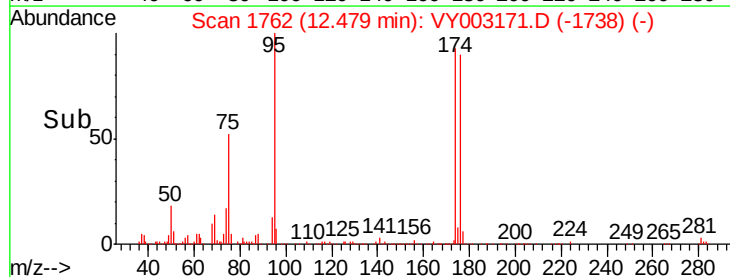
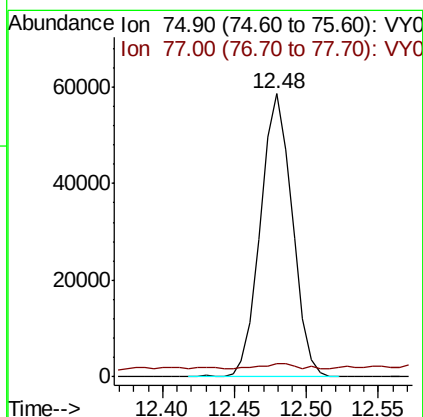
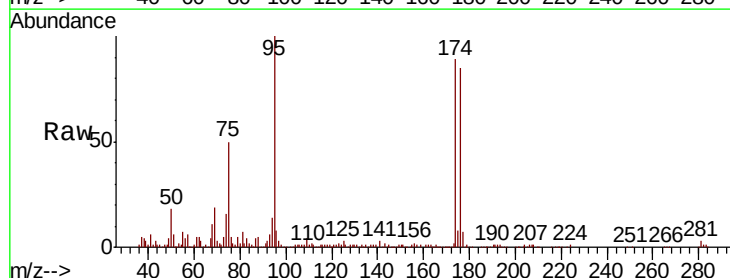
Acq: 10 Jul 2020 18:18

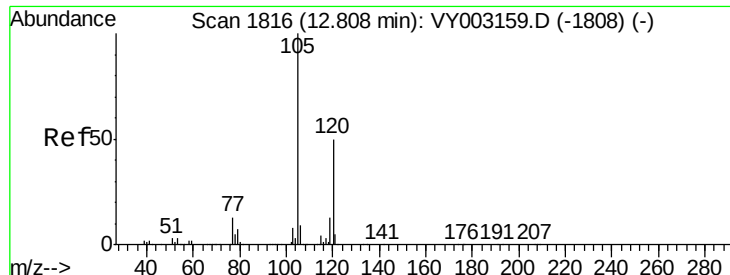
Tgt Ion: 75 Resp: 89420

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.784 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampled :

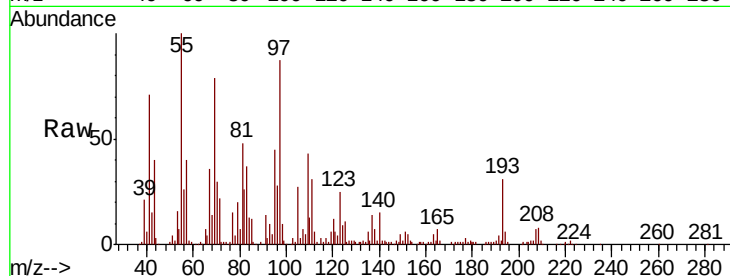
CHRT-31RE

Tot Ion: 105 Resp: 12541

Ion Ratio Lower Upper

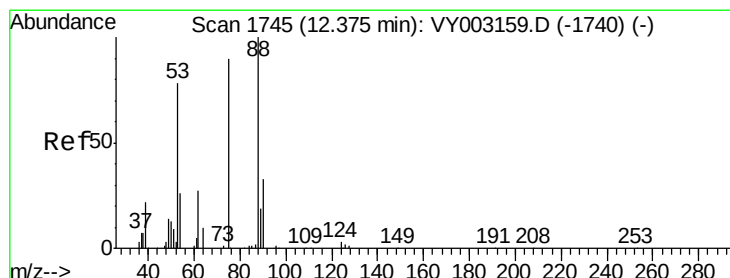
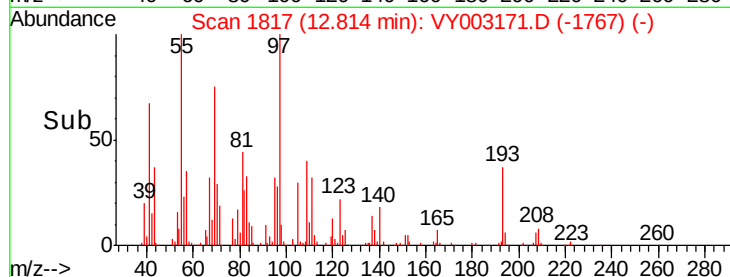
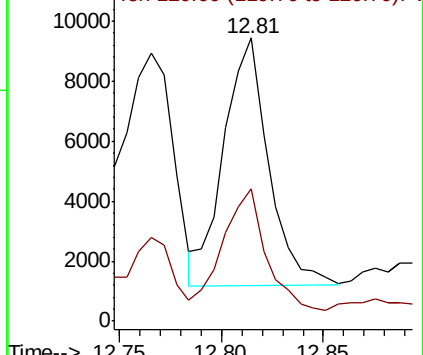
105 100

120 47.1 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: 148.539 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

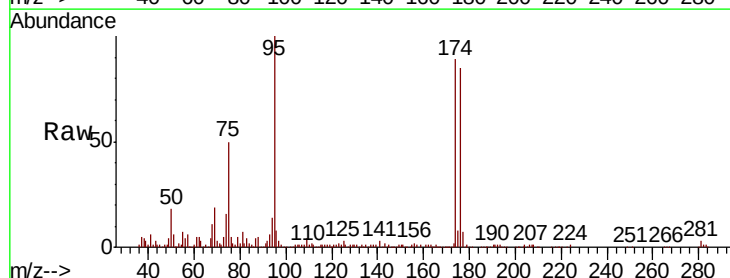
Tgt Ion: 75 Resp: 89420

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

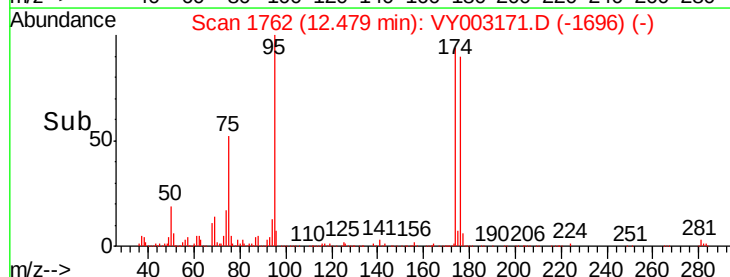
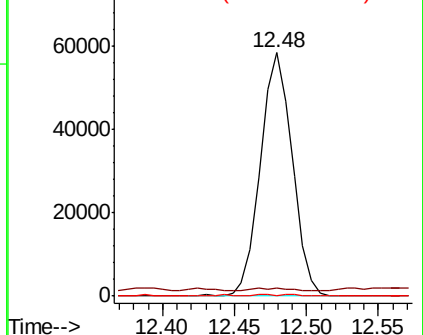
89 0.3 37.3 55.9#

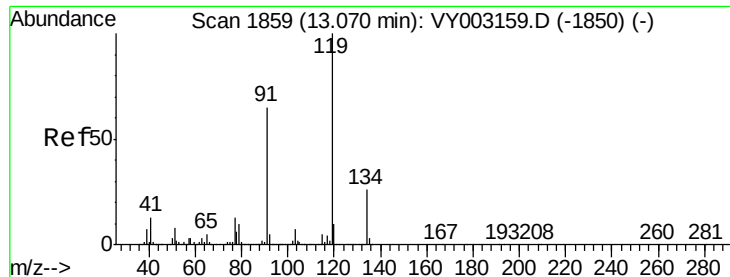


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#83

tert-Butylbenzene

Concen: 2.902 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31RE

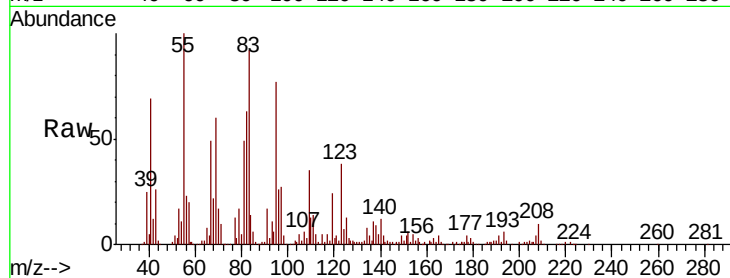
Tot Ion:119 Resp: 18000

Ion Ratio Lower Upper

119 100

91 40.3 30.8 92.4

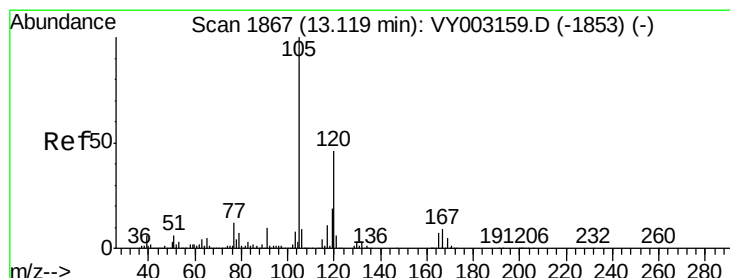
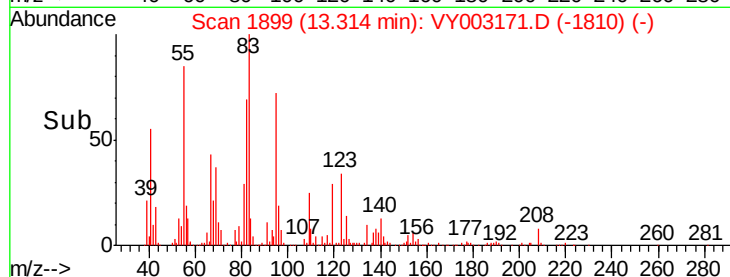
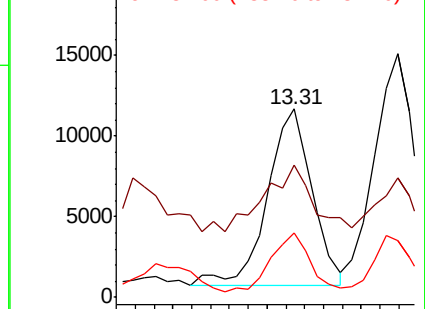
134 28.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.755 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003171.D

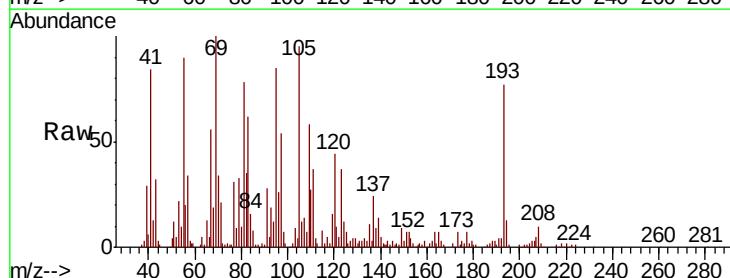
Acq: 10 Jul 2020 18:18

Tgt Ion:105 Resp: 40705

Ion Ratio Lower Upper

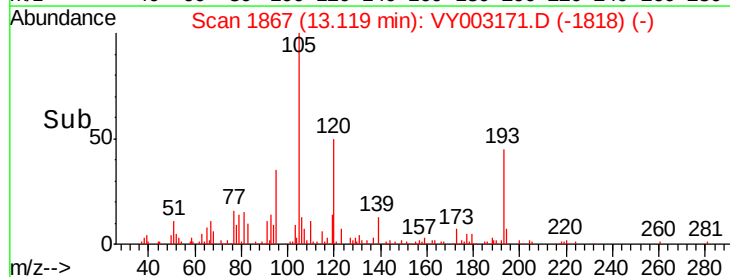
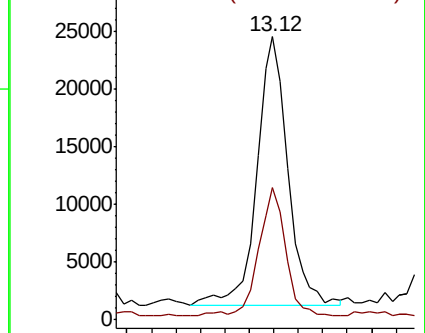
105 100

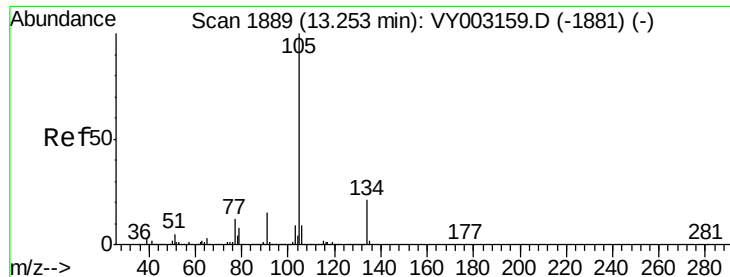
120 42.1 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.412 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

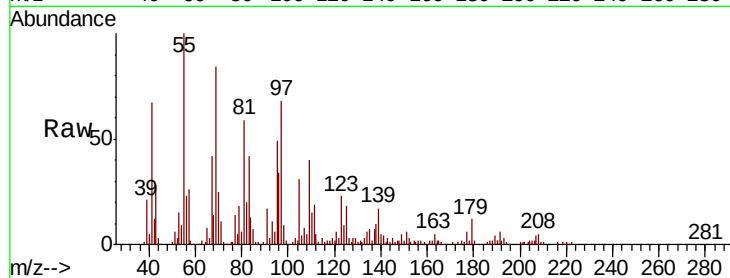
CHRT-31RE

Tot Ion:105 Resp: 12036

Ion Ratio Lower Upper

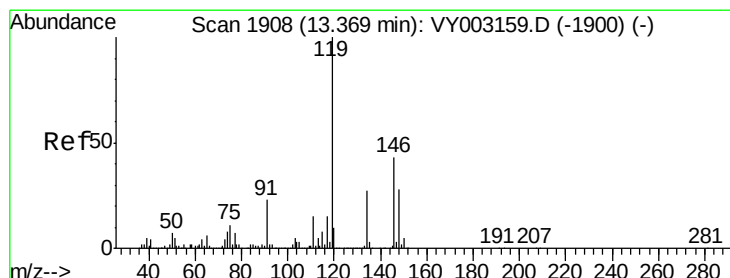
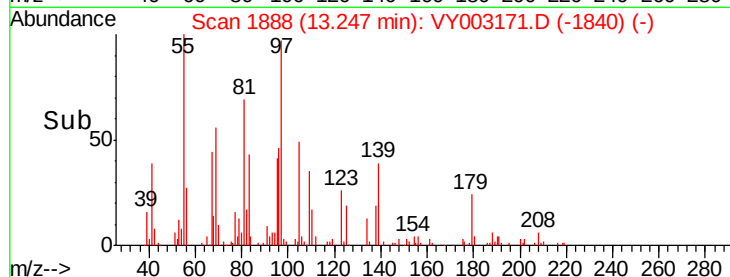
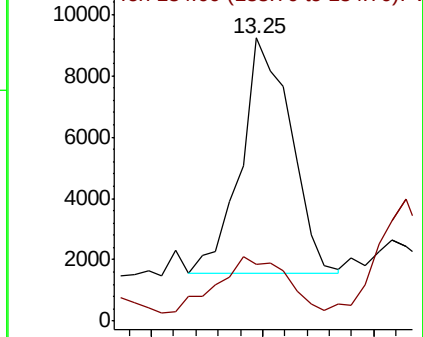
105 100

134 31.9 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.678 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

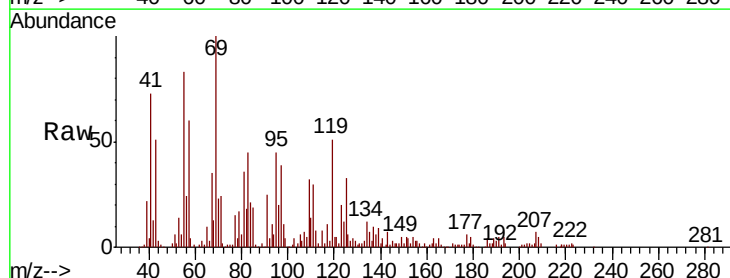
Tgt Ion:119 Resp: 21316

Ion Ratio Lower Upper

119 100

134 24.4 13.4 40.2

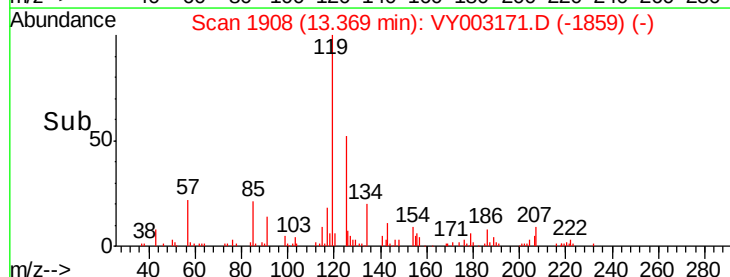
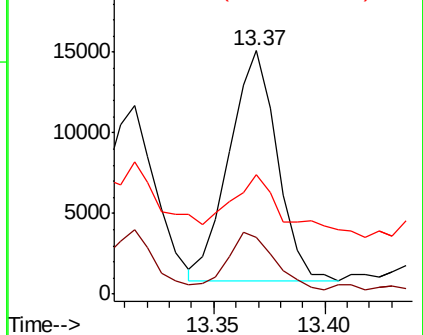
91 30.7 11.2 33.6

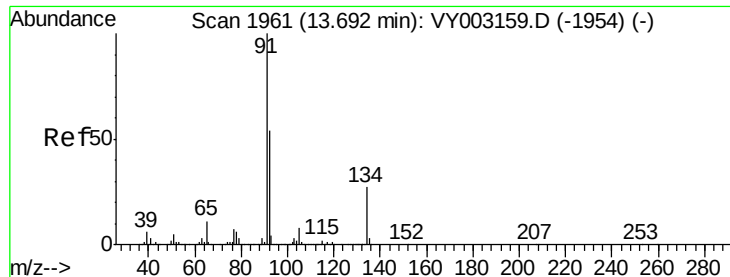


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#89

n-Butylbenzene

Concen: 1.579 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31RE

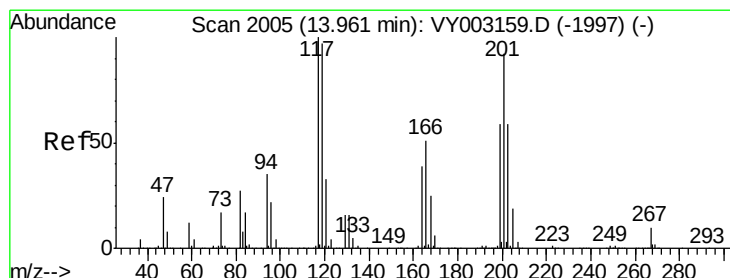
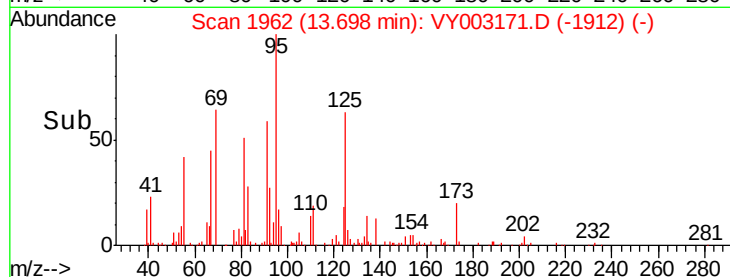
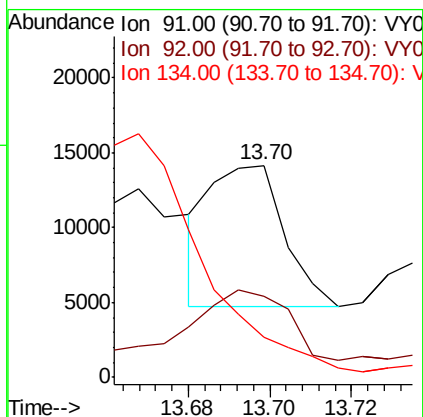
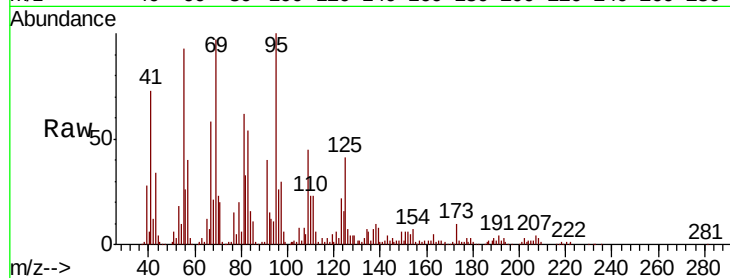
Tot Ion: 91 Resp: 11822

Ion Ratio Lower Upper

91 100

92 67.3 26.9 80.7

134 0.0 13.6 40.7#



#90

Hexachloroethane

Concen: 4.449 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003171.D

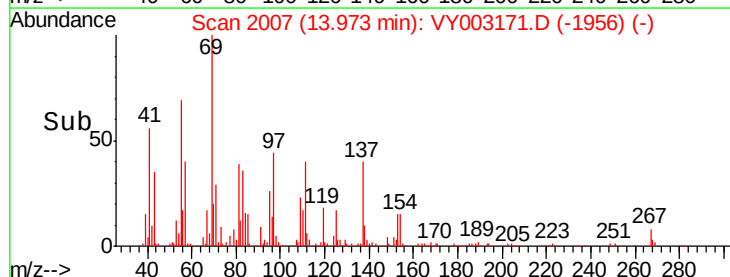
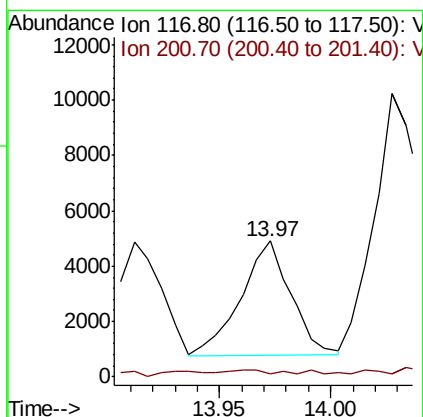
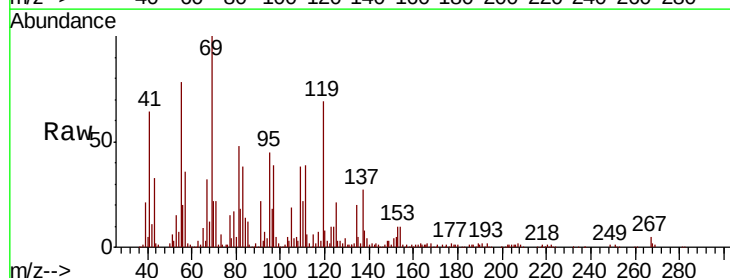
Acq: 10 Jul 2020 18:18

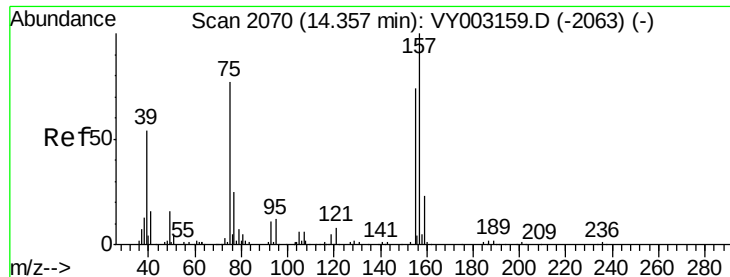
Tgt Ion: 117 Resp: 6449

Ion Ratio Lower Upper

117 100

201 2.0 45.1 135.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.461 ug/l

RT: 14.52 min Scan# 2096

Delta R.T. 0.16 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31RE

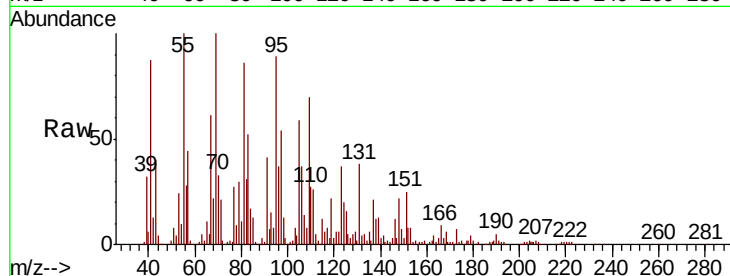
Tot Ion: 75 Resp: 650

Ion Ratio Lower Upper

75 100

155 73.1 48.1 144.3

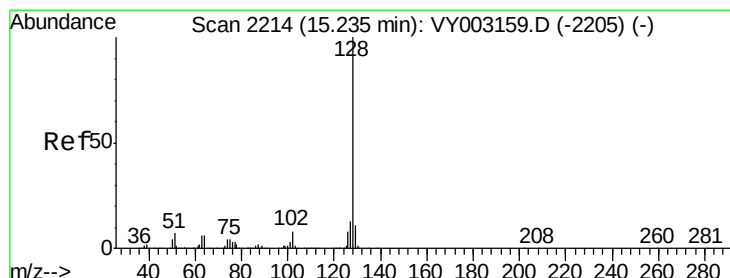
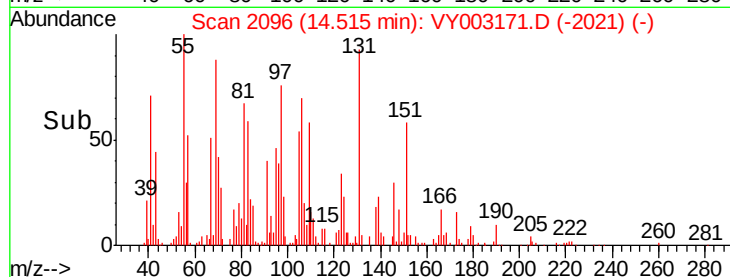
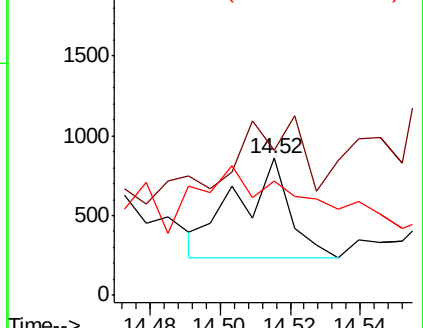
157 156.9 61.9 185.6



Abundance Ion 74.90 (74.60 to 75.60): VY003171.D (-2021) (-)

Ion 154.80 (154.50 to 155.50): VY003171.D (-2021) (-)

Ion 156.80 (156.50 to 157.50): VY003171.D (-2021) (-)



#95

Naphthalene

Concen: 1.601 ug/l

RT: 15.20 min Scan# 2208

Delta R.T. -0.04 min

Lab File: VY003171.D

Acq: 10 Jul 2020 18:18

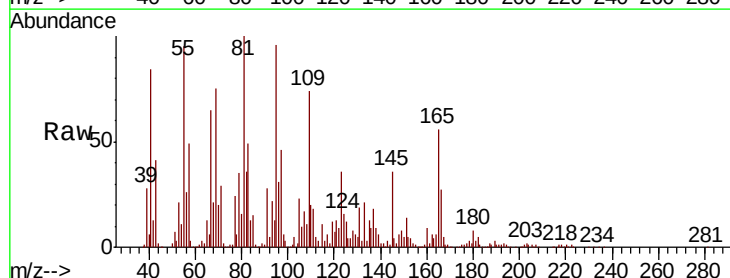
Tgt Ion: 128 Resp: 6716

Ion Ratio Lower Upper

128 100

127 25.0 10.9 16.3#

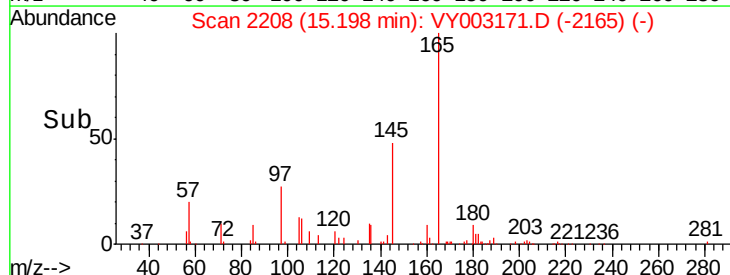
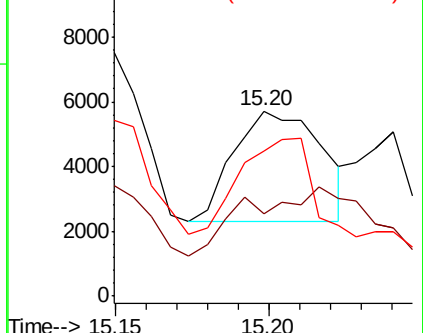
129 0.0 9.0 13.6#

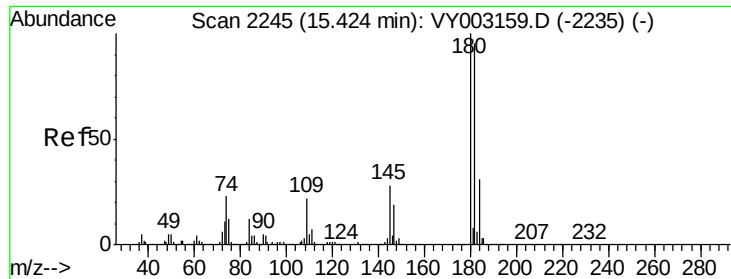


Abundance Ion 128.00 (127.70 to 128.70): VY003171.D (-2165) (-)

Ion 127.00 (126.70 to 127.70): VY003171.D (-2165) (-)

Ion 129.00 (128.70 to 129.70): VY003171.D (-2165) (-)

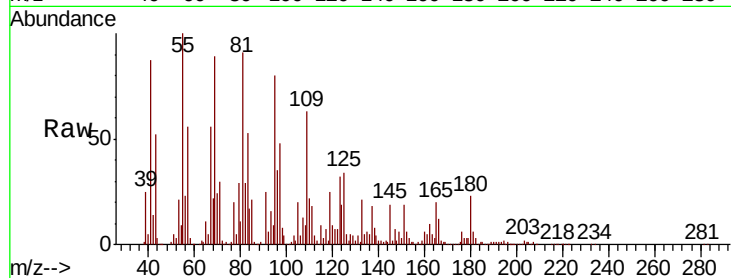




#96
 1,2,3-Trichlorobenzene
 Concen: 8.211 ug/l
 RT: 15.44 min Scan# 2248
 Delta R.T. 0.02 min
 Lab File: VY003171.D
 Acq: 10 Jul 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-31RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.8	146.3#
145	0.0	14.9	44.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

