

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\  
 Data File : VY003145.D  
 Acq On : 09 Jul 2020 15:46  
 Operator : SY/MD  
 Sample : L3255-01  
 Misc : 5.84G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-57

Quant Time: Jul 10 10:00:53 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

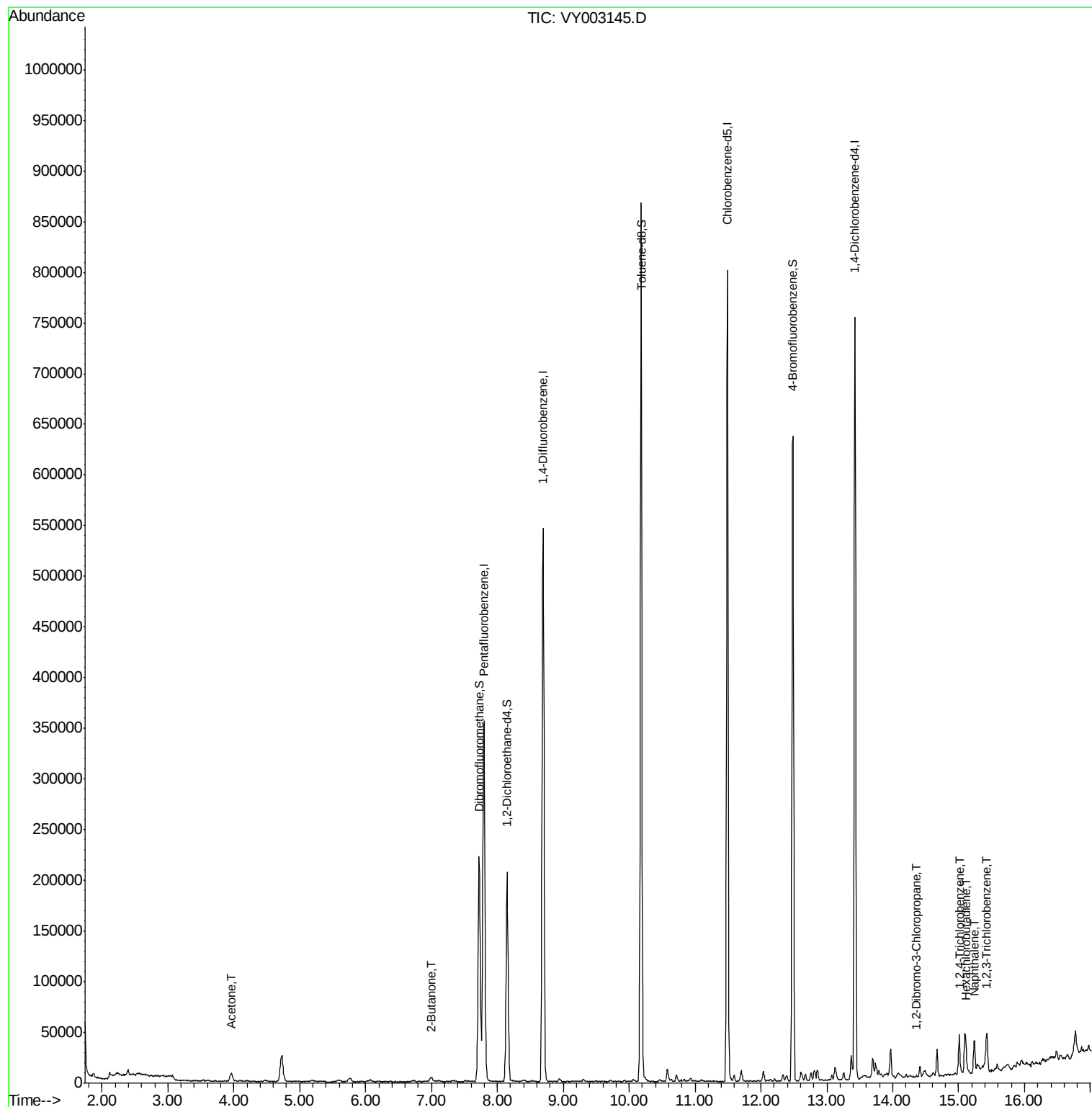
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 299322   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.69  | 114  | 474143   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49 | 117  | 443706   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.43 | 152  | 202227   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.14  | 65   | 161171   | 54.21  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 108.42% |          |
| 35) Dibromofluoromethane       | 7.72  | 113  | 155882   | 52.70  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 105.40% |          |
| 50) Toluene-d8                 | 10.18 | 98   | 563844   | 51.17  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 102.34% |          |
| 62) 4-Bromofluorobenzene       | 12.48 | 95   | 188549   | 48.61  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 97.22%  |          |
| Target Compounds               |       |      |          |        |         |          |
| 16) Acetone                    | 3.96  | 43   | 15300    | 21.821 | ug/l    | 91       |
| 25) 2-Butanone                 | 7.00  | 43   | 7018     | 6.301  | ug/l #  | 77       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.35 | 75   | 523      | 1.106  | ug/l    | 73       |
| 93) 1,2,4-Trichlorobenzene     | 15.01 | 180  | 11720    | 2.775  | ug/l    | 96       |
| 94) Hexachlorobutadiene        | 15.12 | 225  | 4169     | 1.565  | ug/l    | 92       |
| 95) Naphthalene                | 15.23 | 128  | 25773    | 3.341  | ug/l    | 99       |
| 96) 1,2,3-Trichlorobenzene     | 15.42 | 180  | 12677    | 3.456  | ug/l    | 98       |

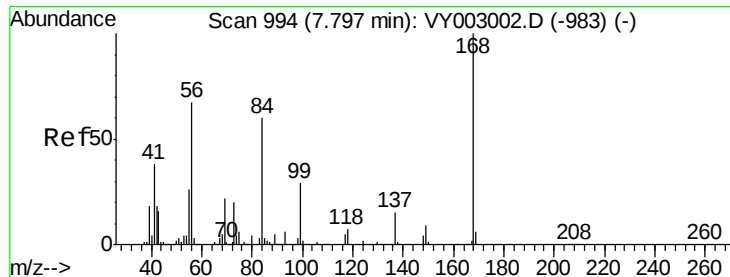
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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CHRT-57

Quant Time: Jul 10 10:00:53 2020  
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: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

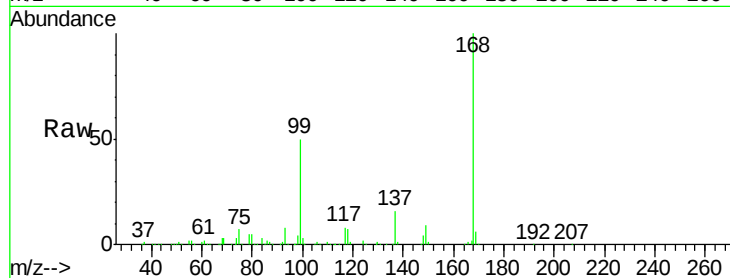
CHRT-57

Tot Ion:168 Resp: 299322

Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

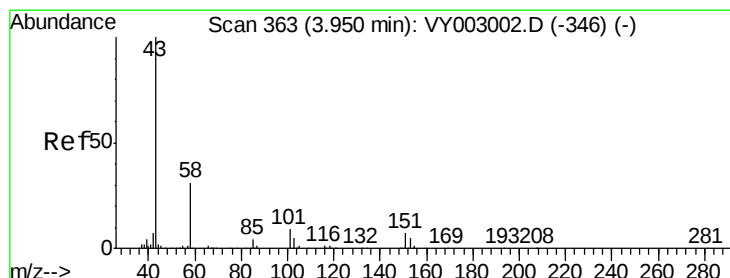
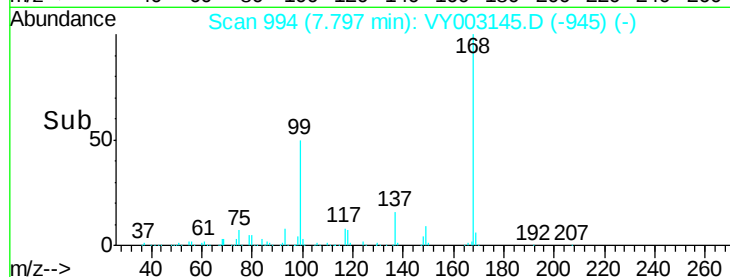
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 21.821 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003145.D

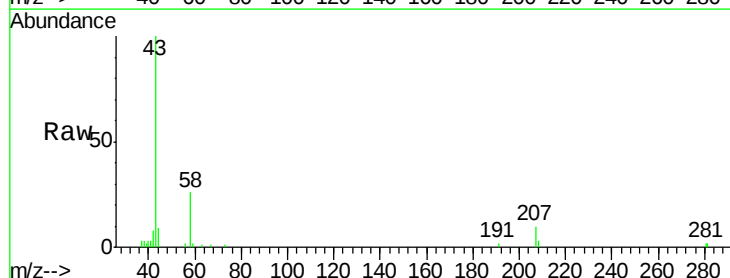
Acq: 09 Jul 2020 15:46

Tgt Ion: 43 Resp: 15300

Ion Ratio Lower Upper

43 100

58 25.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

6000

5000

4000

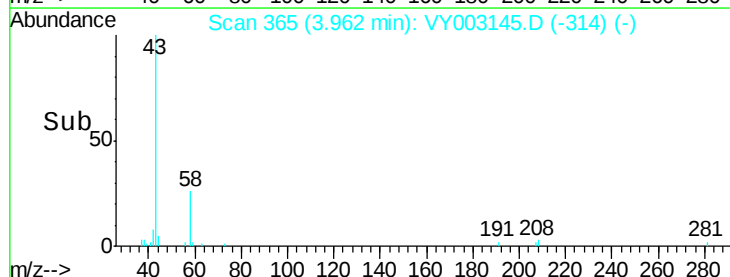
3000

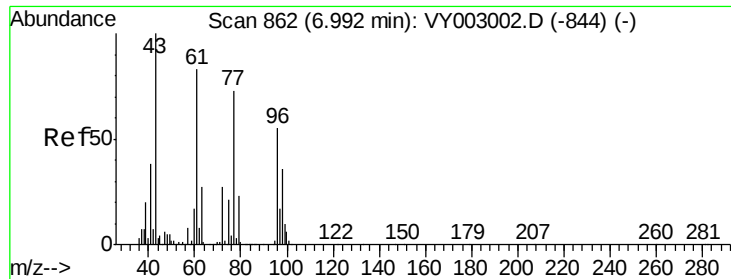
2000

1000

0

Time-->

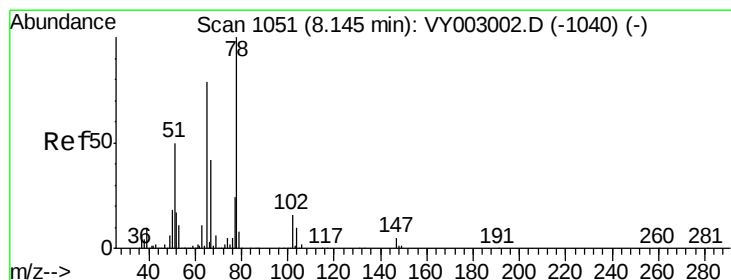
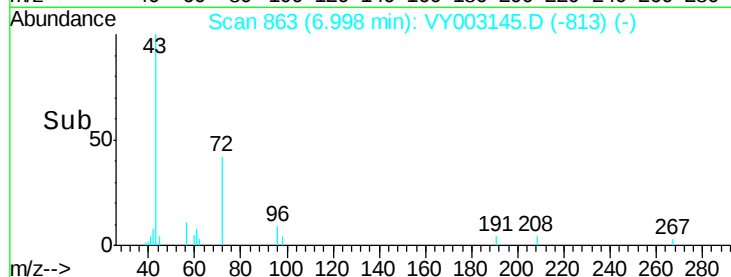
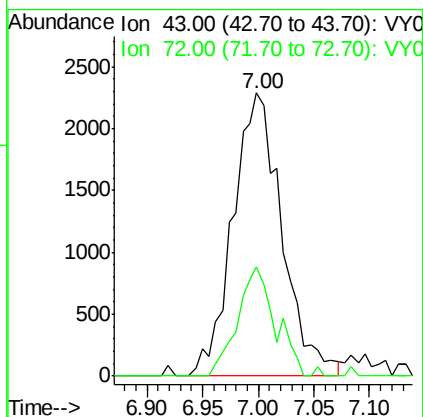
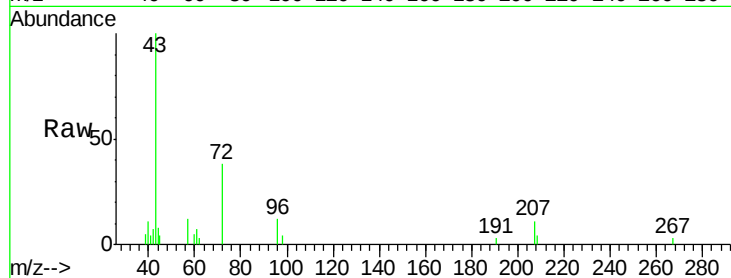




#25  
2-Butanone  
Concen: 6.301 ug/l  
RT: 7.00 min Scan# 863  
Delta R.T. 0.01 min  
Lab File: VY003145.D  
Acq: 09 Jul 2020 15:46

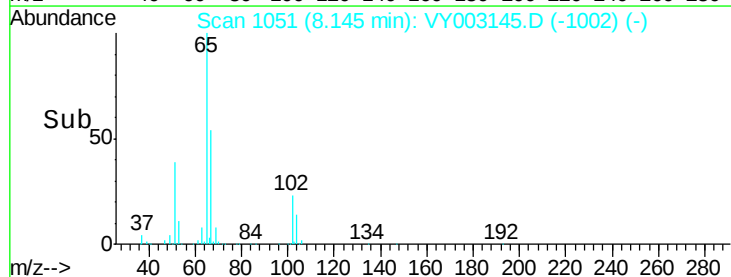
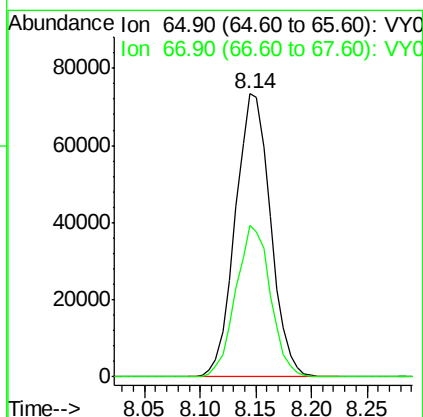
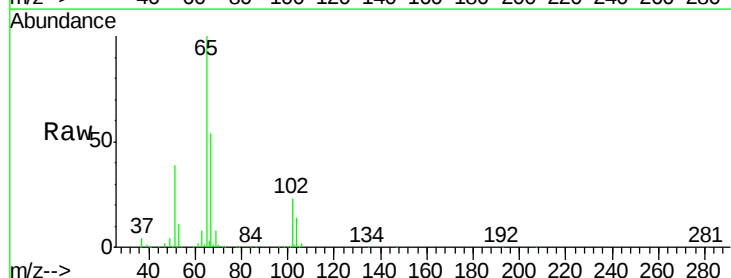
Instrument :  
MSVOA\_Y  
ClientSampled :  
CHRT-57

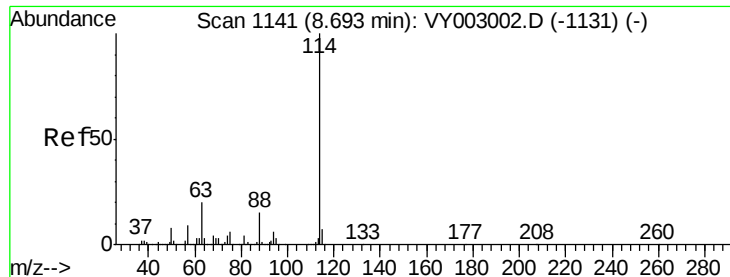
Tot Ion: 43 Resp: 7018  
Ion Ratio Lower Upper  
43 100  
72 38.5 21.4 32.0#



#33  
1,2-Dichloroethane-d4  
Concen: 54.214 ug/l  
RT: 8.14 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VY003145.D  
Acq: 09 Jul 2020 15:46

Tgt Ion: 65 Resp: 161171  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.6

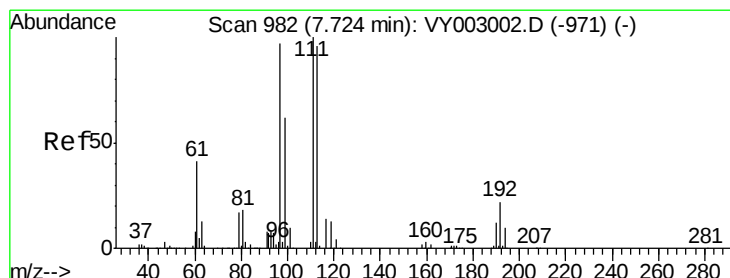
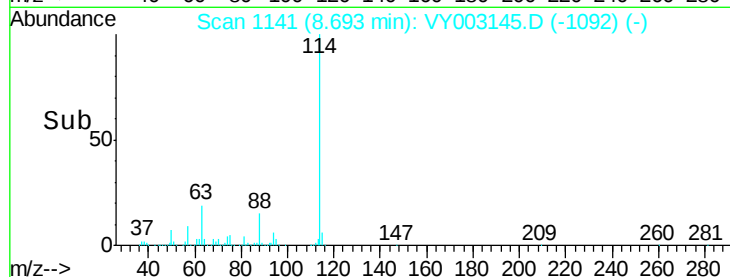
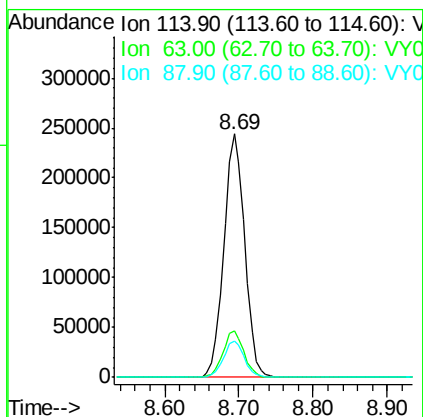
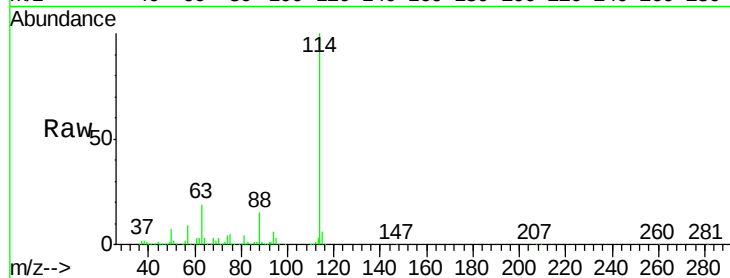




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003145.D  
 Acq: 09 Jul 2020 15:46

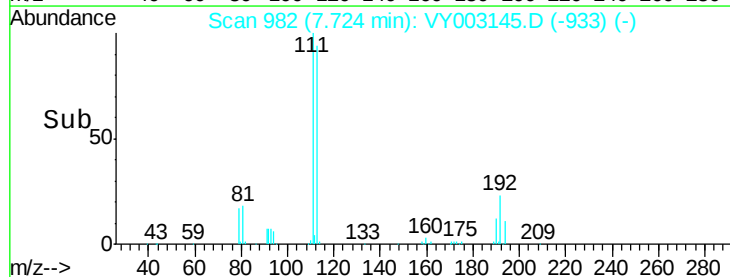
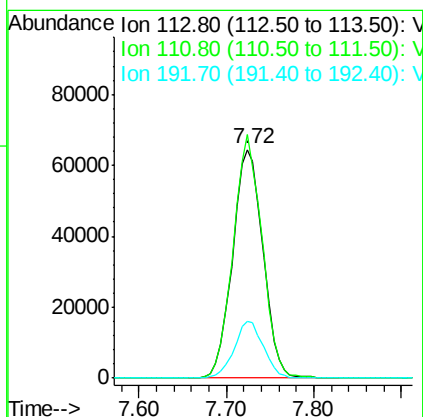
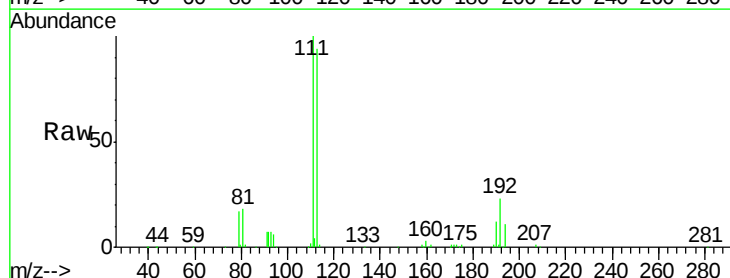
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-57

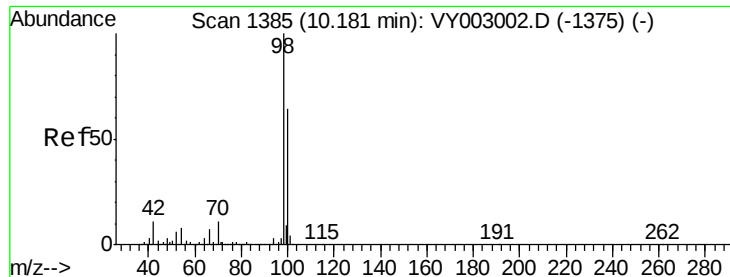
Tot Ion:114 Resp: 474143  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 40.6  
 88 15.0 0.0 30.0



#35  
 Dibromofluoromethane  
 Concen: 52.702 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VY003145.D  
 Acq: 09 Jul 2020 15:46

Tgt Ion:113 Resp: 155882  
 Ion Ratio Lower Upper  
 113 100  
 111 101.2 82.6 123.8  
 192 23.9 18.1 27.1





#50

Toluene-d8

Concen: 51.170 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

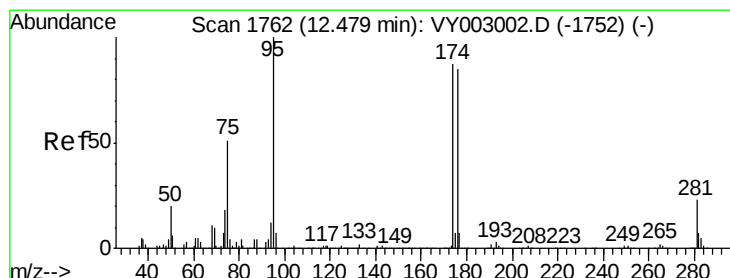
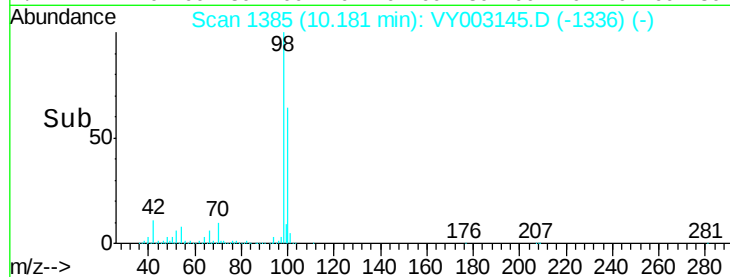
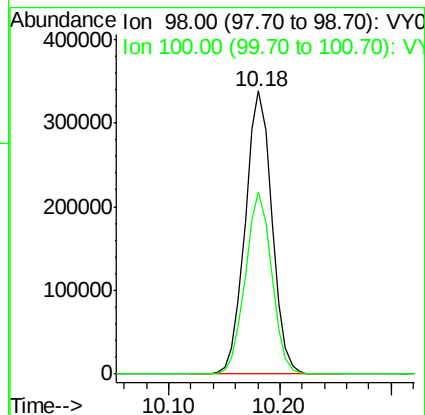
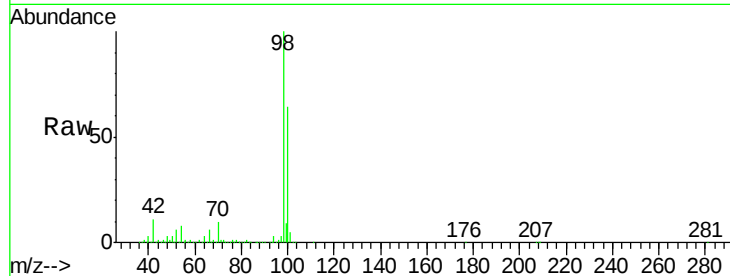
CHRT-57

Tot Ion: 98 Resp: 563844

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 48.611 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

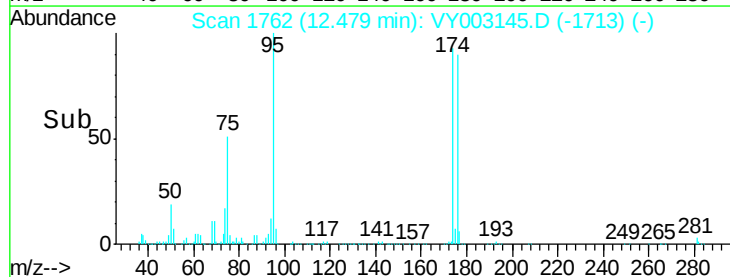
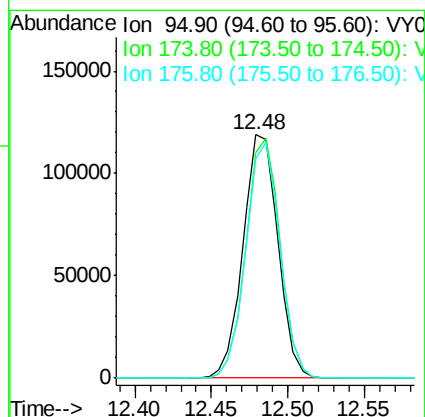
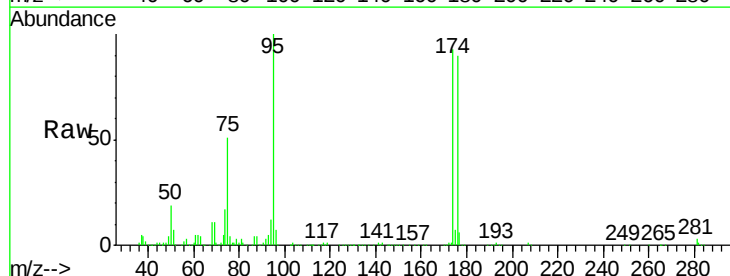
Tgt Ion: 95 Resp: 188549

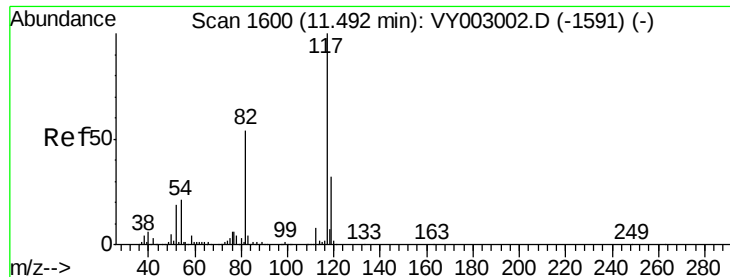
Ion Ratio Lower Upper

95 100

174 96.8 0.0 184.8

176 94.8 0.0 183.0

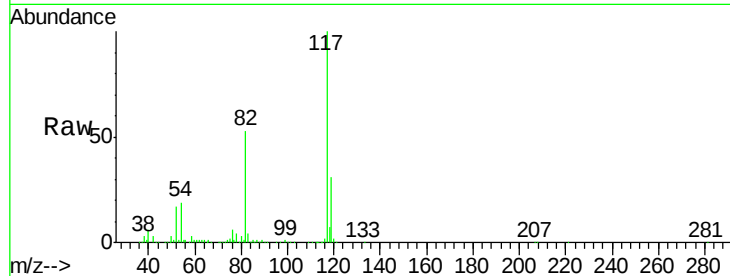




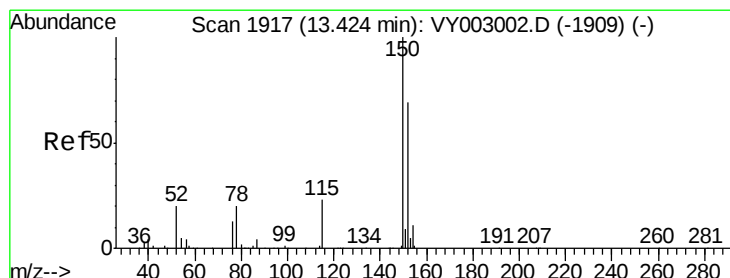
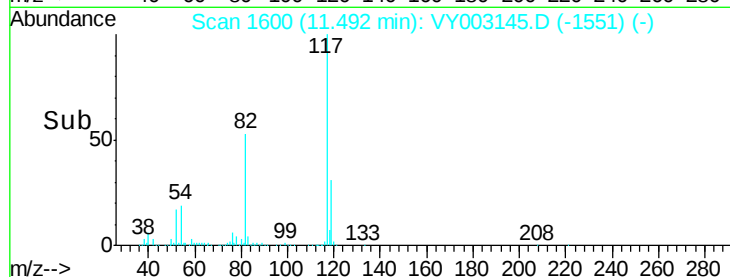
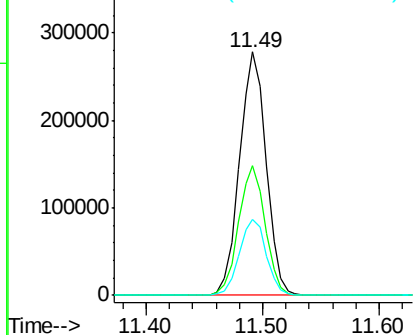
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003145.D  
Acq: 09 Jul 2020 15:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-57

Tot Ion:117 Resp: 443706  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.0 64.6  
119 31.4 25.8 38.8

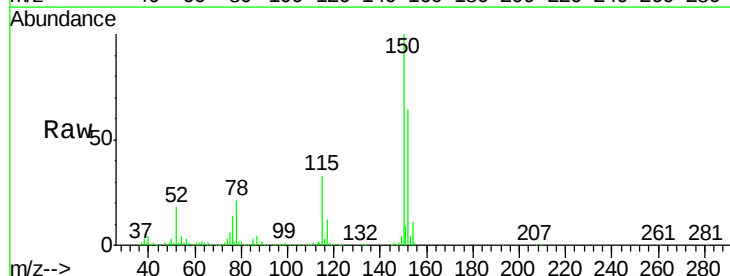


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

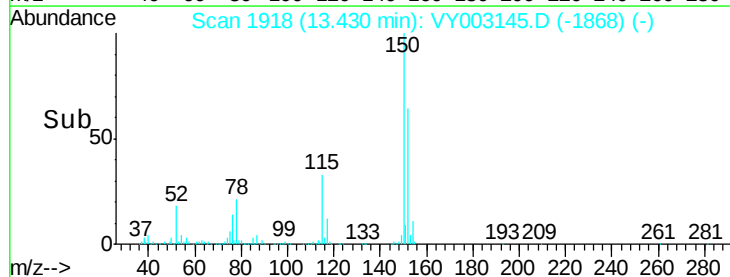
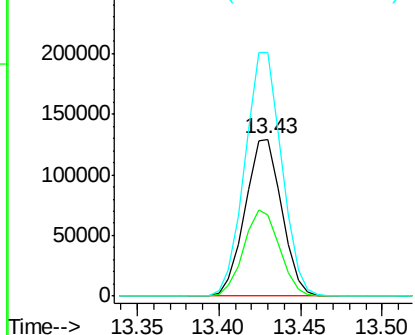


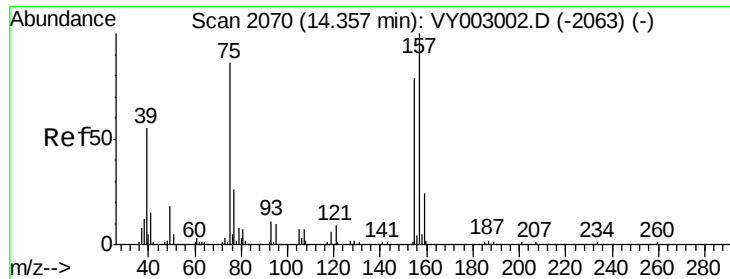
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. 0.01 min  
Lab File: VY003145.D  
Acq: 09 Jul 2020 15:46

Tgt Ion:152 Resp: 202227  
Ion Ratio Lower Upper  
152 100  
115 53.8 27.3 81.9  
150 156.0 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





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.106 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

CHRT-57

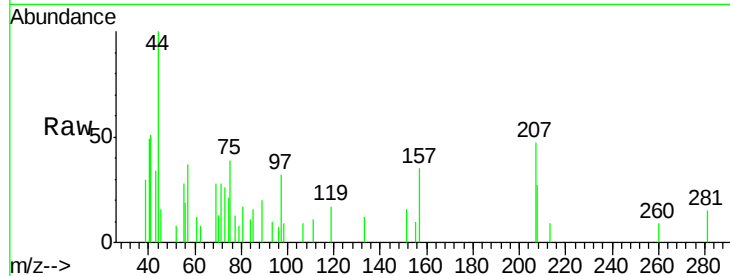
Tot Ion: 75 Resp: 523

Ion Ratio Lower Upper

75 100

155 66.2 46.5 139.3

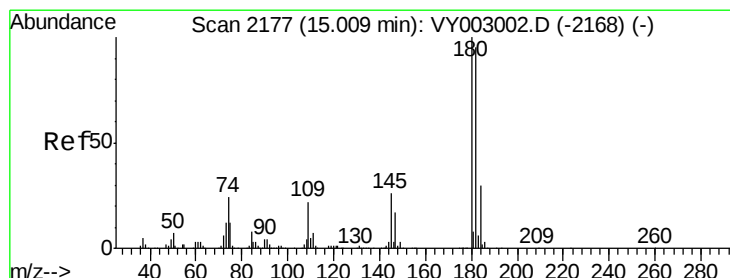
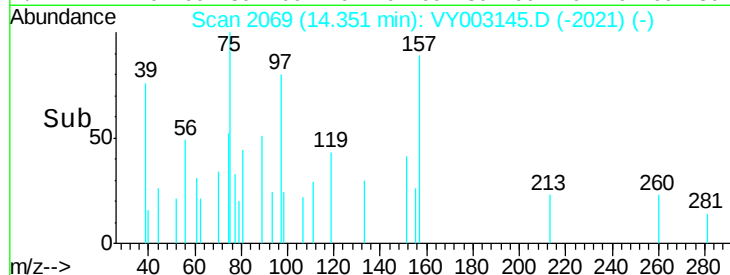
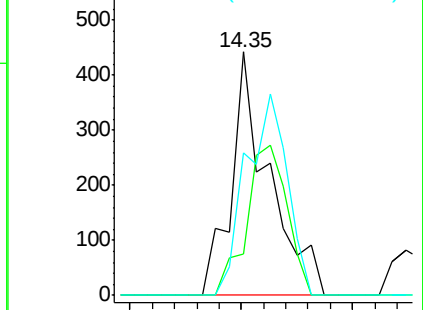
157 89.9 59.2 177.5



Abundance Ion 74.90 (74.60 to 75.60): VY003145.D (-2063) (-)

Ion 154.80 (154.50 to 155.50): VY003145.D (-2063) (-)

Ion 156.80 (156.50 to 157.50): VY003145.D (-2063) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.775 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

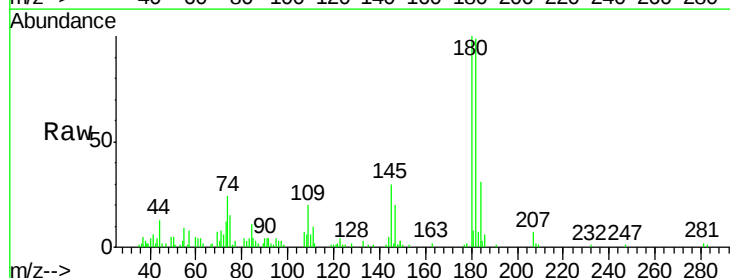
Tgt Ion: 180 Resp: 11720

Ion Ratio Lower Upper

180 100

182 92.6 48.1 144.3

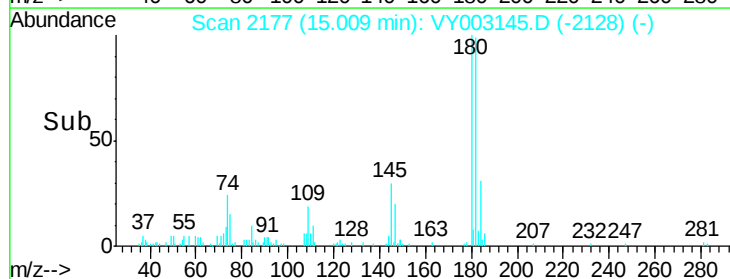
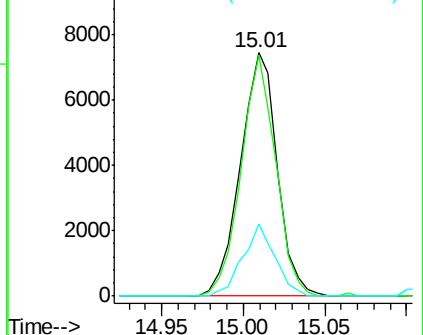
145 25.8 13.9 41.6

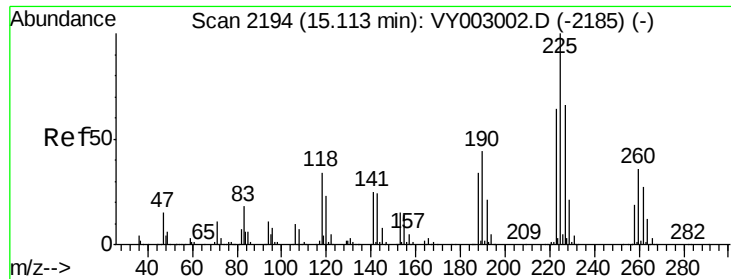


Abundance Ion 179.80 (179.50 to 180.50): VY003145.D (-2168) (-)

Ion 181.80 (181.50 to 182.50): VY003145.D (-2168) (-)

Ion 144.80 (144.50 to 145.50): VY003145.D (-2168) (-)

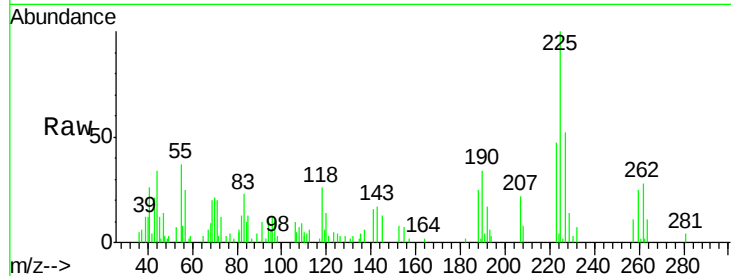




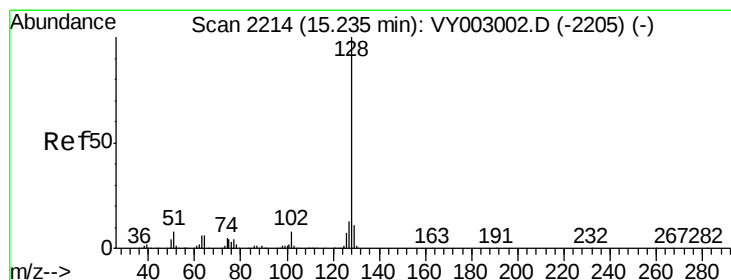
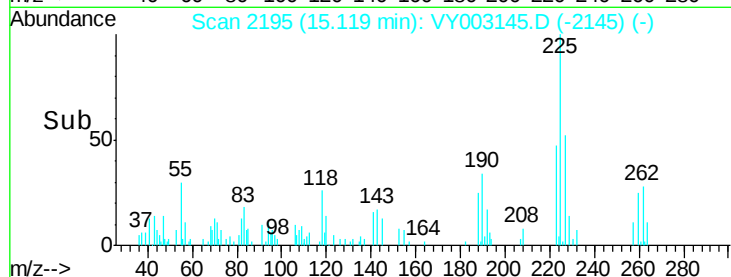
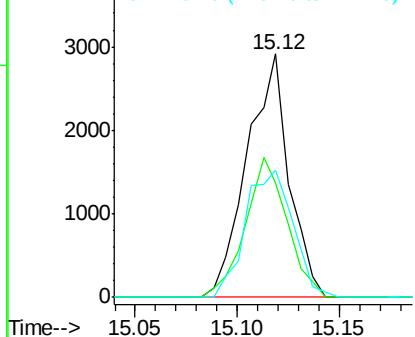
#94  
Hexachlorobutadiene  
Concen: 1.565 ug/l  
RT: 15.12 min Scan# 2195  
Delta R.T. 0.01 min  
Lab File: VY003145.D  
Acq: 09 Jul 2020 15:46

Instrument :  
MSVOA\_Y  
ClientSampled :  
CHRT-57

Tot Ion:225 Resp: 4169  
Ion Ratio Lower Upper  
225 100  
223 57.1 32.4 97.0  
227 59.1 32.4 97.2

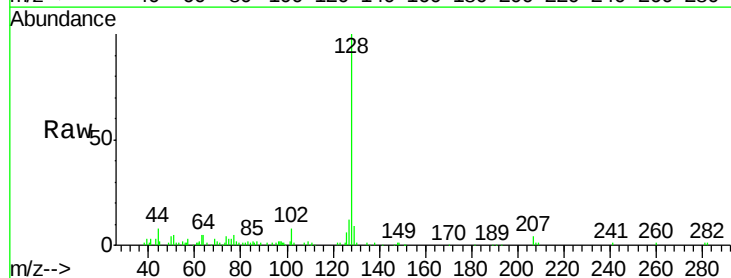


Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V

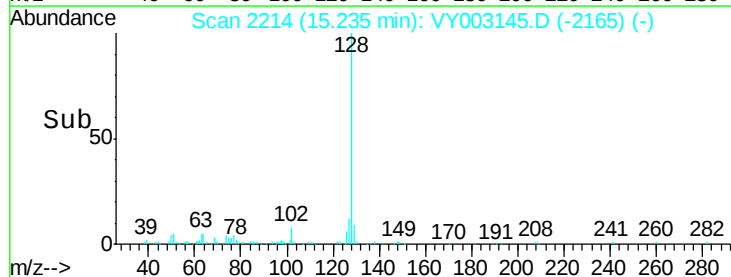
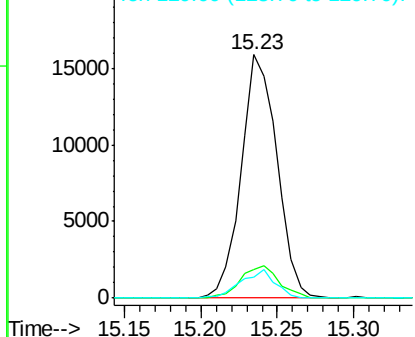


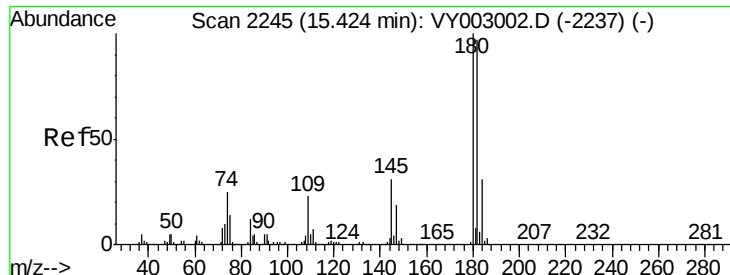
#95  
Naphthalene  
Concen: 3.341 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VY003145.D  
Acq: 09 Jul 2020 15:46

Tgt Ion:128 Resp: 25773  
Ion Ratio Lower Upper  
128 100  
127 14.2 10.8 16.2  
129 11.1 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: 3.456 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

CHRT-57

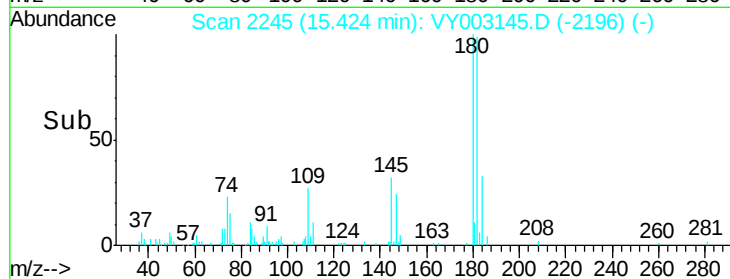
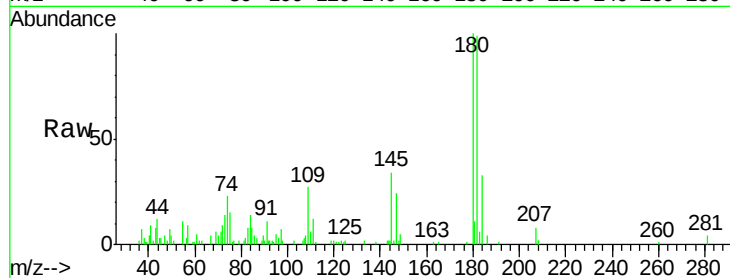
Tot Ion:180 Resp: 12677

Ion Ratio Lower Upper

180 100

182 96.0 47.8 143.3

145 32.0 14.7 44.1



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

