

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\  
 Data File : VY002615.D  
 Acq On : 06 May 2020 15:02  
 Operator : SY/MD  
 Sample : L2523-01  
 Misc : 10.92G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HDD

Quant Time: May 07 06:31:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

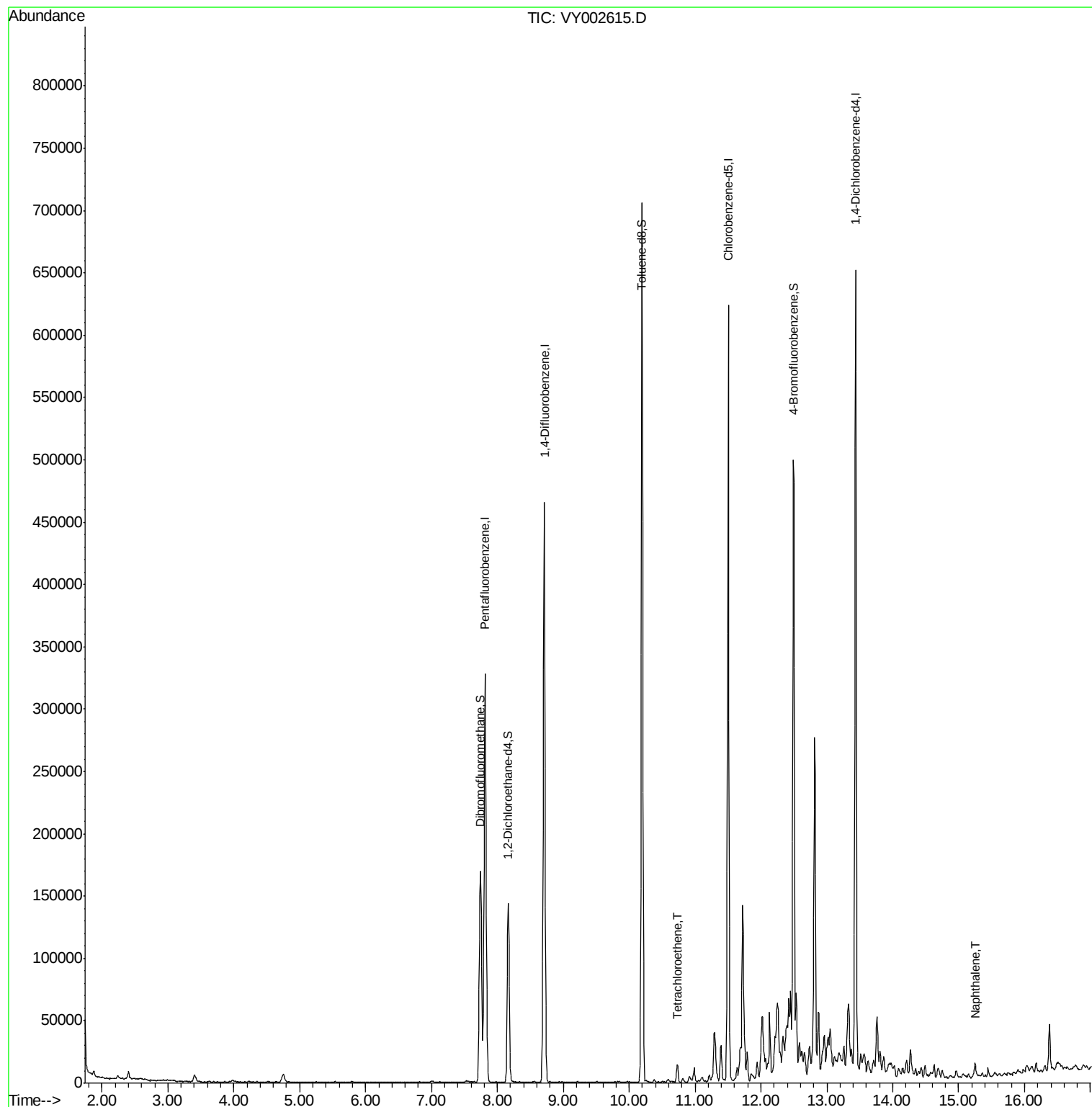
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 273120   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 418971   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 357464   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 171581   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 109299   | 47.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.18%  |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 121699   | 50.79 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.58% |          |
| 50) Toluene-d8              | 10.19 | 98   | 477336   | 51.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.02% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 152608   | 48.06 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.12%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 64) Tetrachloroethene       | 10.73 | 164  | 3286     | 1.035 | ug/l    | 95       |
| 95) Naphthalene             | 15.25 | 128  | 8087     | 1.301 | ug/l    | 98       |

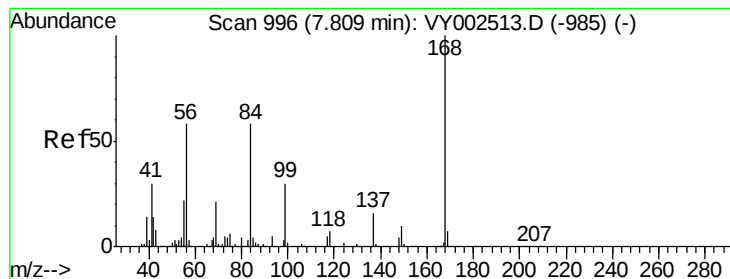
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050620\  
Data File : VY002615.D  
Acq On : 06 May 2020 15:02  
Operator : SY/MD  
Sample : L2523-01  
Misc : 10.92G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HDD

Quant Time: May 07 06:31:29 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 04 12:22:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002615.D

Acq: 06 May 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

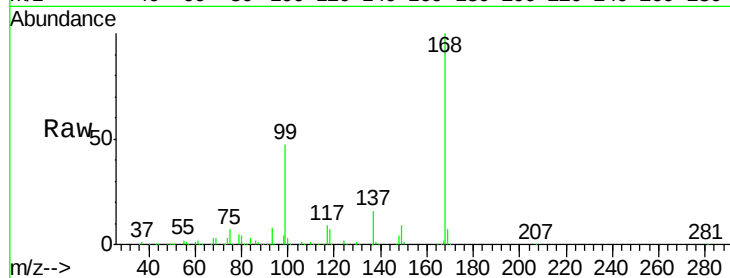
HDD

Tot Ion:168 Resp: 273120

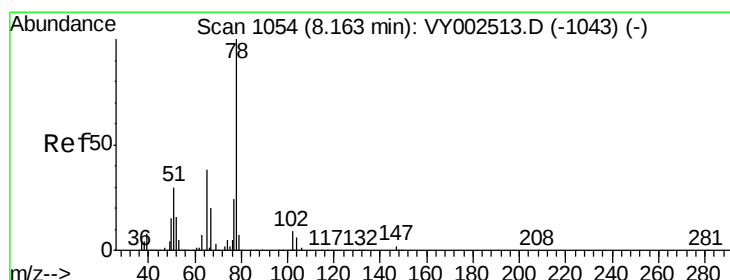
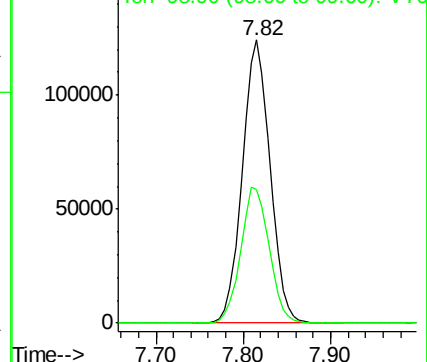
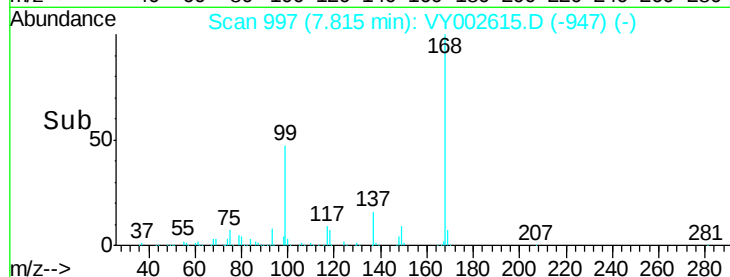
Ion Ratio Lower Upper

168 100

99 47.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002615.D (-947) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.595 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002615.D

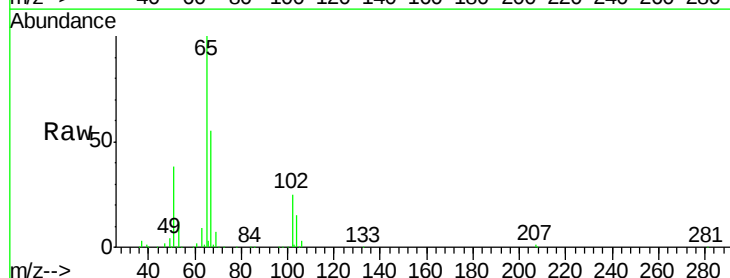
Acq: 06 May 2020 15:02

Tgt Ion: 65 Resp: 109299

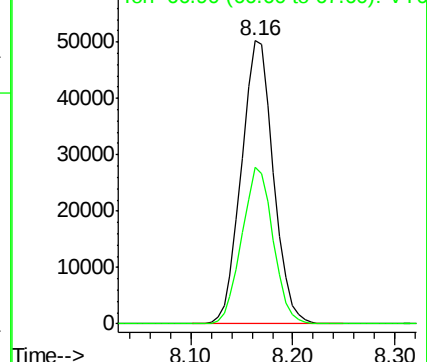
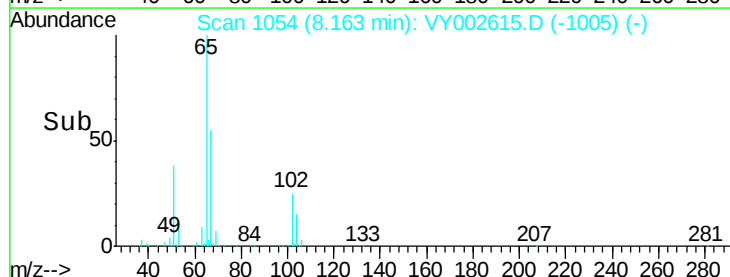
Ion Ratio Lower Upper

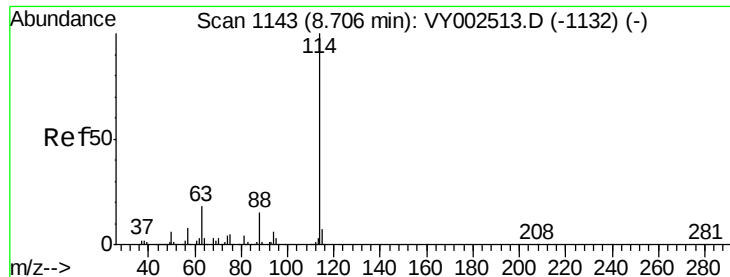
65 100

67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY002615.D (-1005) (-)

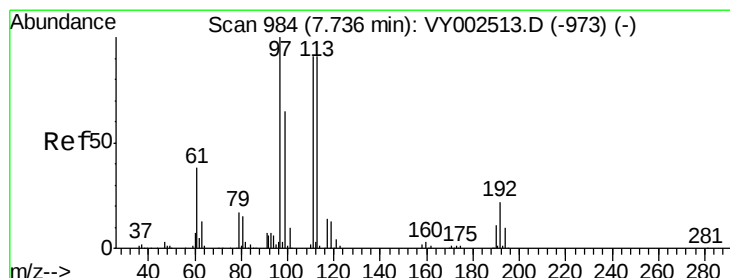
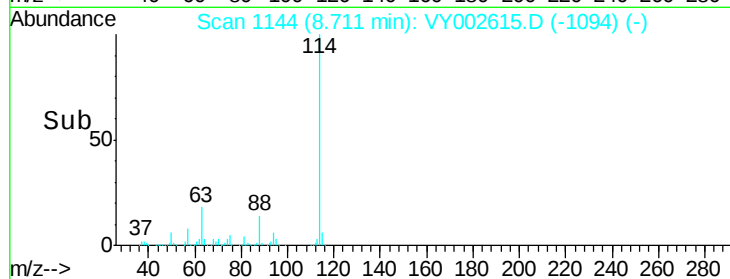
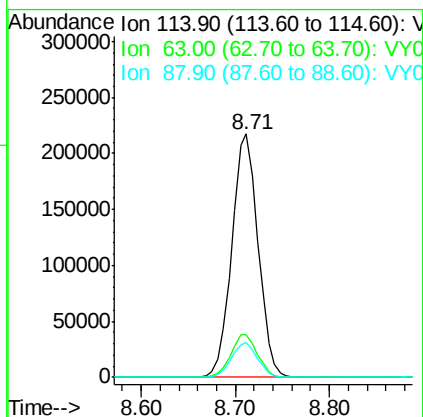
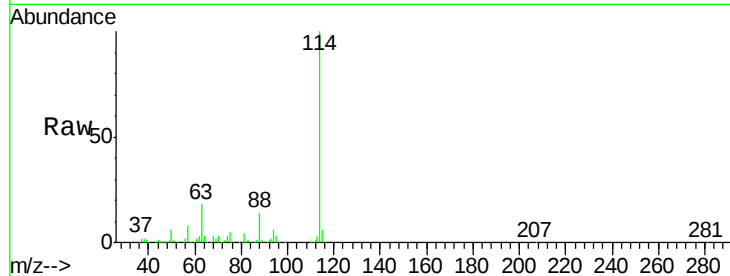




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.01 min  
 Lab File: VY002615.D  
 Acq: 06 May 2020 15:02

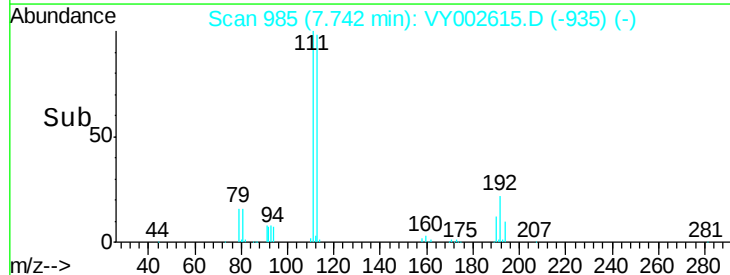
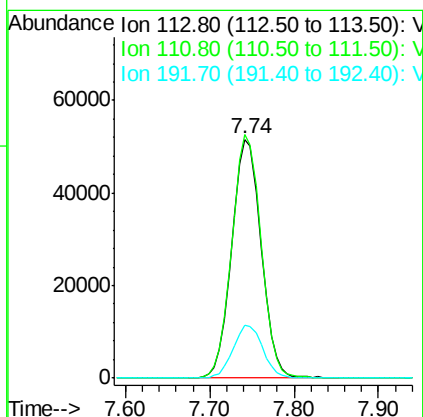
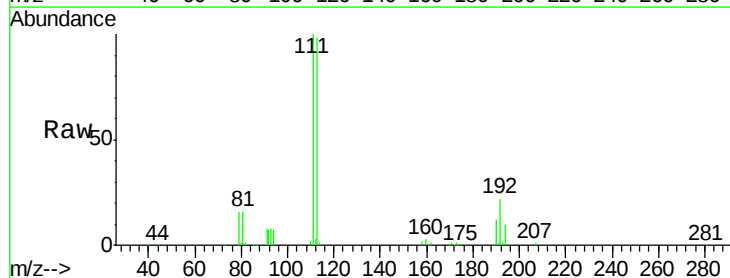
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HDD

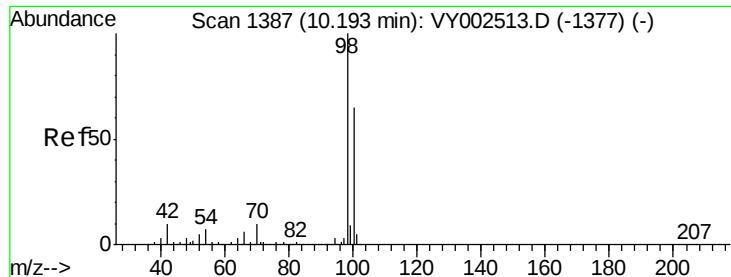
Tot Ion:114 Resp: 418971  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 36.4  
 88 14.3 0.0 29.6



#35  
 Dibromofluoromethane  
 Concen: 50.790 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. 0.01 min  
 Lab File: VY002615.D  
 Acq: 06 May 2020 15:02

Tgt Ion:113 Resp: 121699  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 81.8 122.6  
 192 22.2 18.2 27.4





#50

Toluene-d8

Concen: 51.013 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002615.D

Acq: 06 May 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

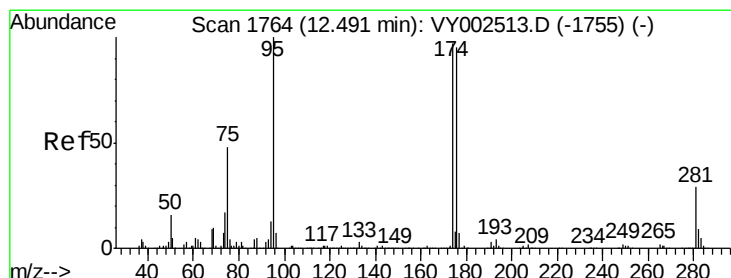
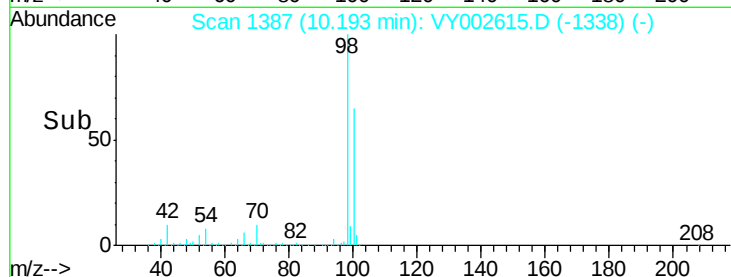
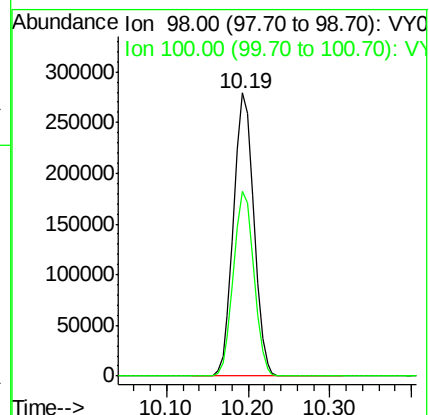
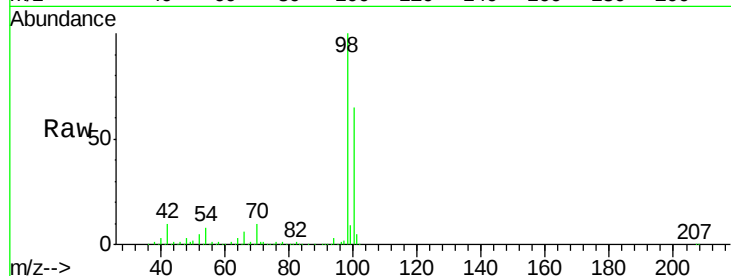
HDD

Tot Ion: 98 Resp: 477336

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.064 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002615.D

Acq: 06 May 2020 15:02

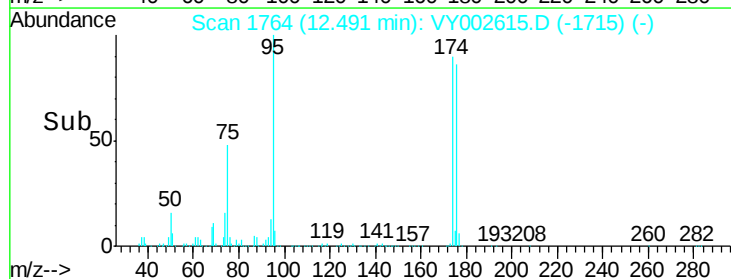
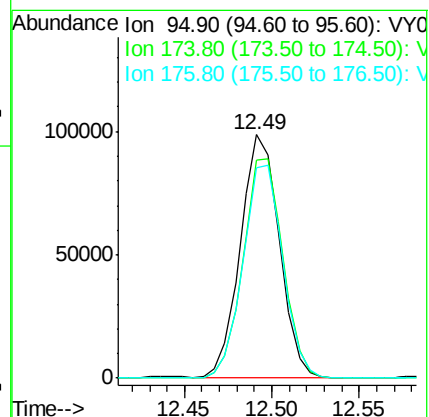
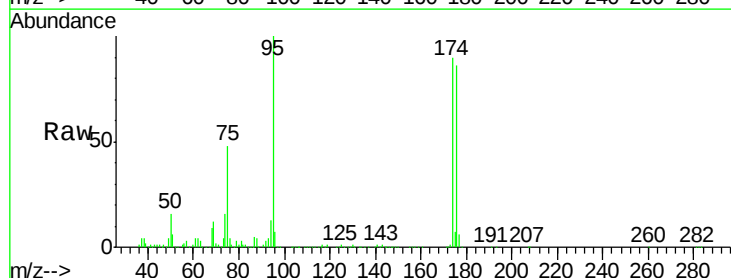
Tgt Ion: 95 Resp: 152608

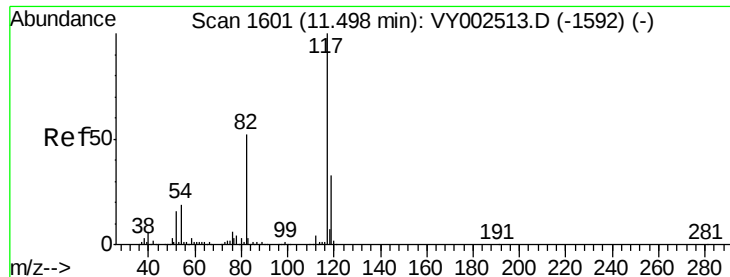
Ion Ratio Lower Upper

95 100

174 92.1 0.0 188.8

176 89.7 0.0 183.2

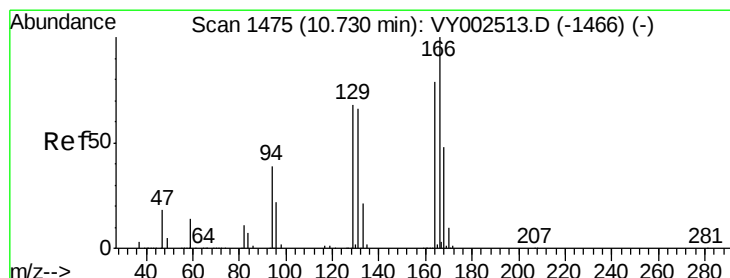
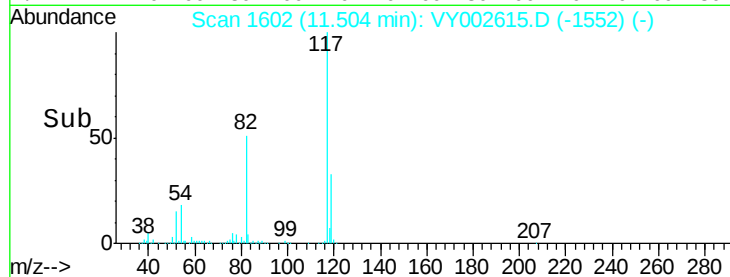
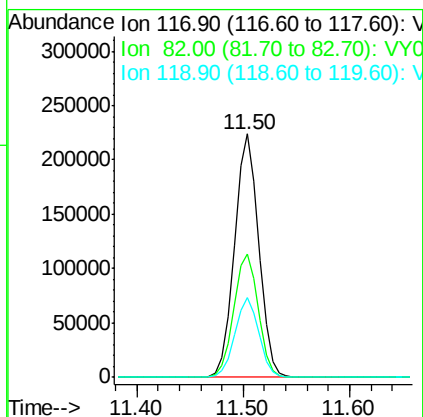
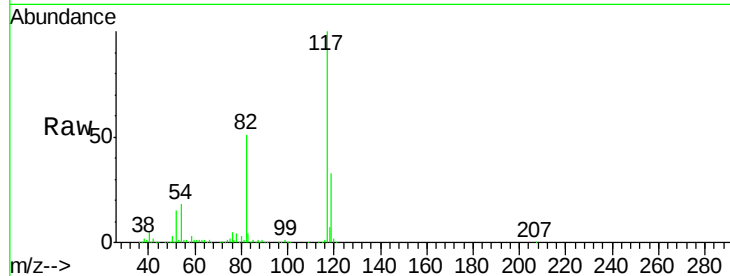




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY002615.D  
Acq: 06 May 2020 15:02

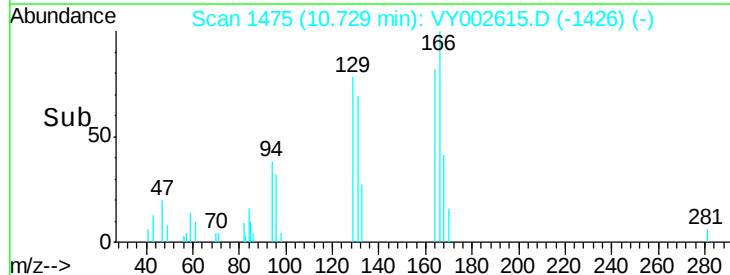
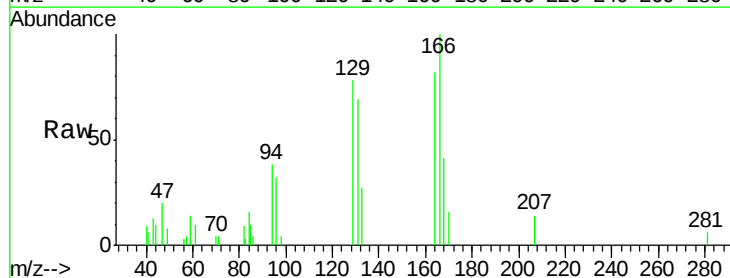
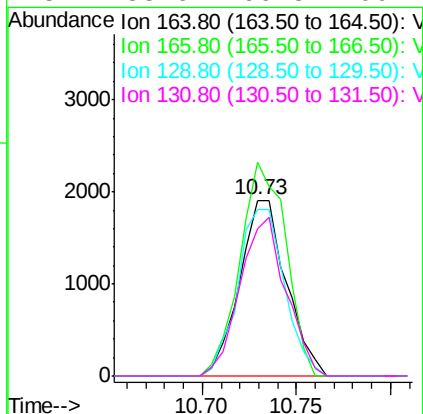
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HDD

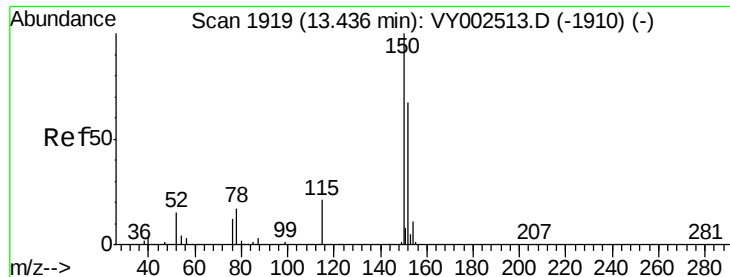
Tot Ion:117 Resp: 357464  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.3 61.9  
119 32.5 26.0 39.0



#64  
Tetrachloroethene  
Concen: 1.035 ug/l  
RT: 10.73 min Scan# 1475  
Delta R.T. -0.00 min  
Lab File: VY002615.D  
Acq: 06 May 2020 15:02

Tgt Ion:164 Resp: 3286  
Ion Ratio Lower Upper  
164 100  
166 121.6 100.7 151.1  
129 94.9 68.3 102.5  
131 83.6 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002615.D

Acq: 06 May 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

HDD

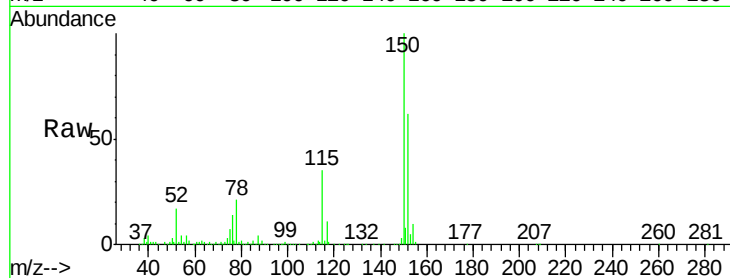
Tot Ion:152 Resp: 171581

Ion Ratio Lower Upper

152 100

115 53.8 27.5 82.4

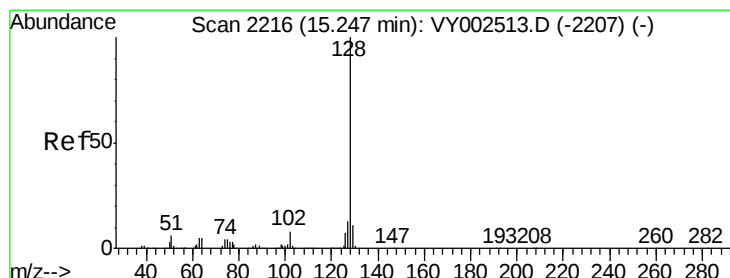
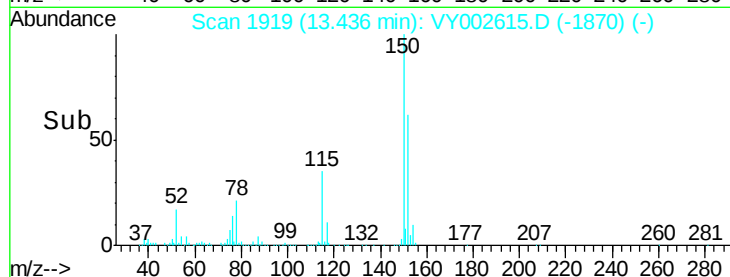
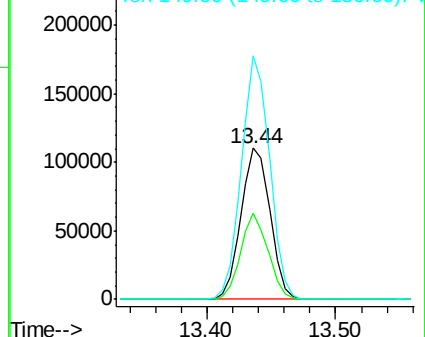
150 156.7 0.0 346.4



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



#95

Naphthalene

Concen: 1.301 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY002615.D

Acq: 06 May 2020 15:02

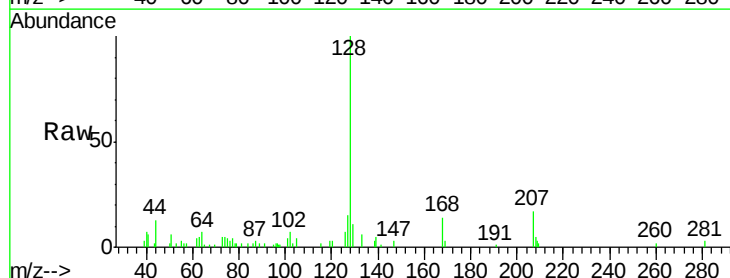
Tgt Ion:128 Resp: 8087

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 12.3 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

