

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\  
 Data File : VY000804.D  
 Acq On : 26 Nov 2019 15:36  
 Operator : SY/MD  
 Sample : K5792-01RE  
 Misc : 5.06G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1RE

Quant Time: Nov 27 05:21:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

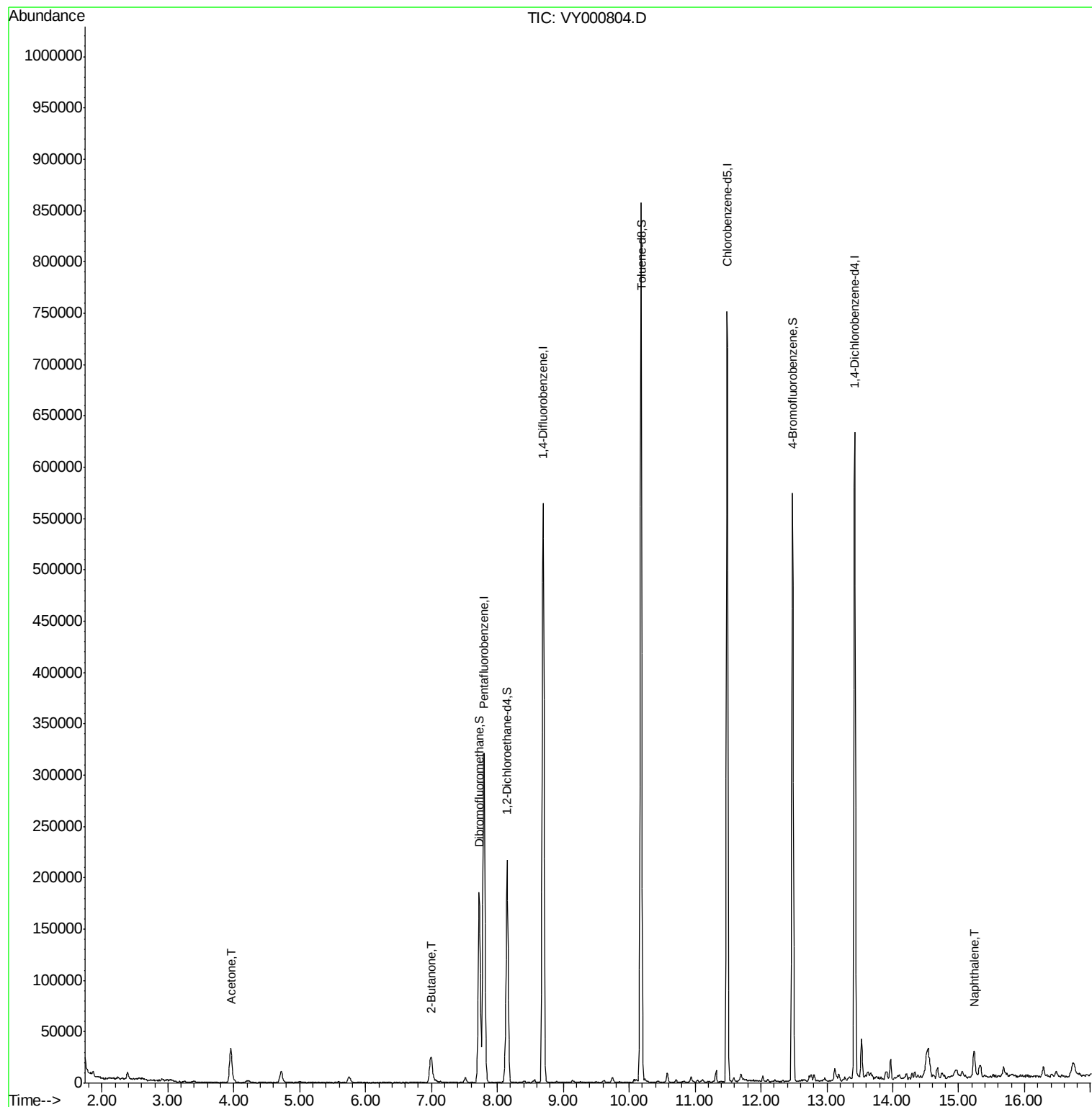
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 253912   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 477752   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 398537   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 154243   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 159349   | 60.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.28% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 131668   | 46.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.90%  |          |
| 50) Toluene-d8              | 10.18 | 98   | 553803   | 52.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.08% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 172849   | 42.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.32%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 55133    | 76.128 | ug/l    | 90       |
| 25) 2-Butanone              | 7.00  | 43   | 10452    | 9.043  | ug/l #  | 88       |
| 95) Naphthalene             | 15.23 | 128  | 11833    | 1.704  | ug/l    | 96       |

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

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MSVOA\_Y  
ClientSampleId :  
1RE

Quant Time: Nov 27 05:21:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

Instrument :

MSVOA\_Y

ClientSampled :

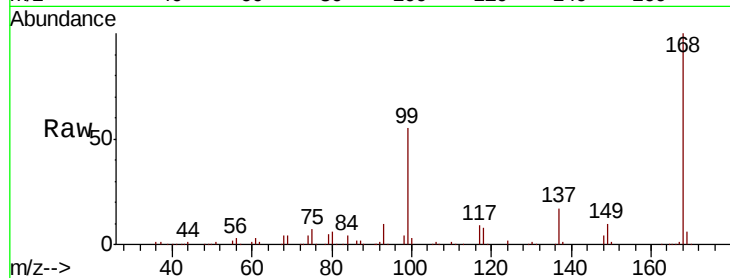
1RE

Tot Ion:168 Resp: 253912

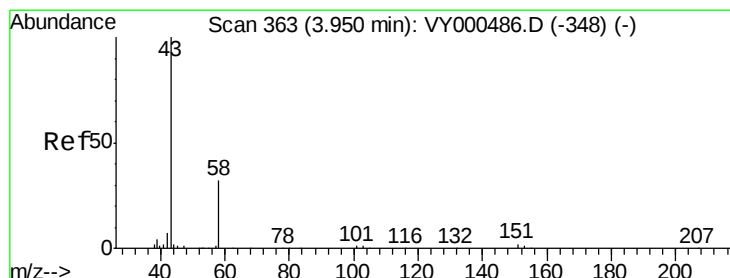
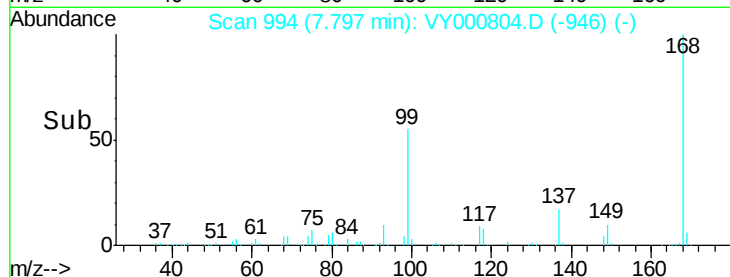
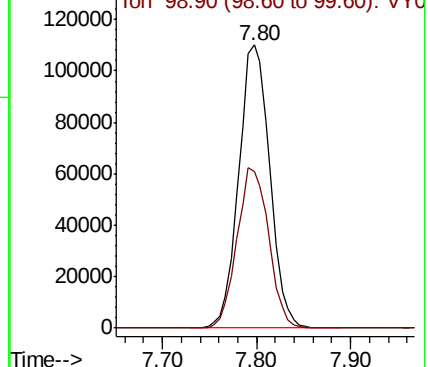
Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)



#16

Acetone

Concen: 76.128 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000804.D

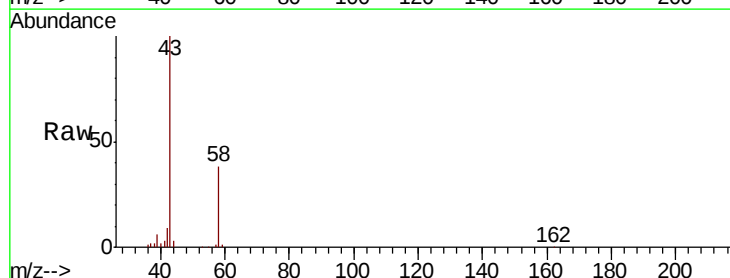
Acq: 26 Nov 2019 15:36

Tgt Ion: 43 Resp: 55133

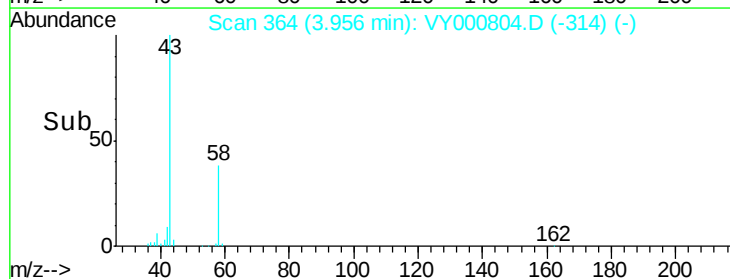
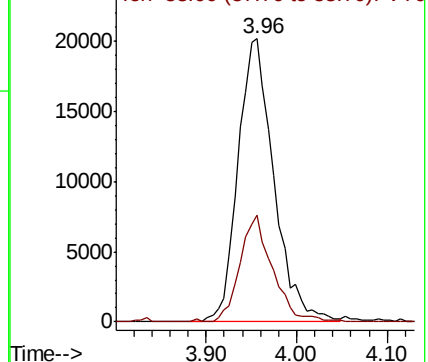
Ion Ratio Lower Upper

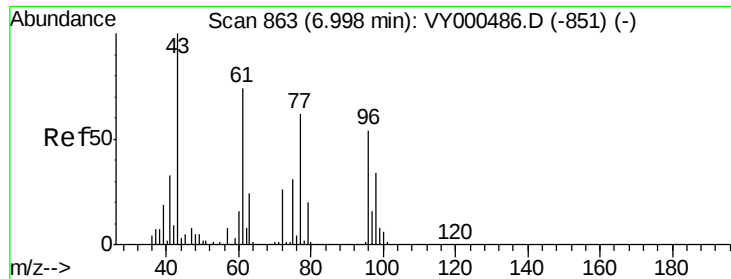
43 100

58 37.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-348) (-)

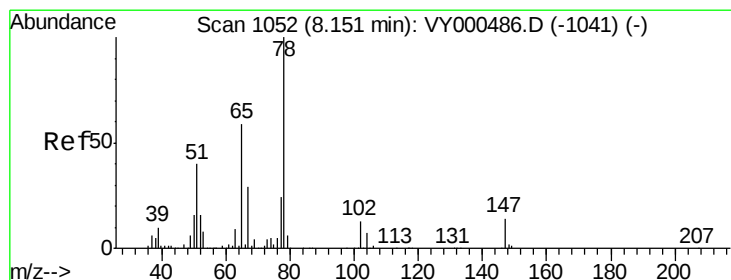
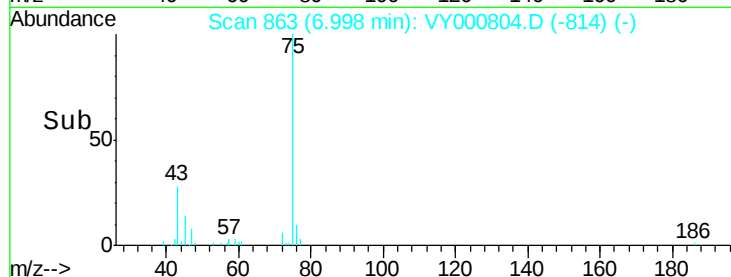
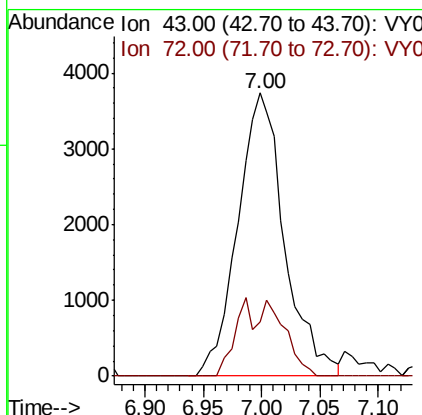
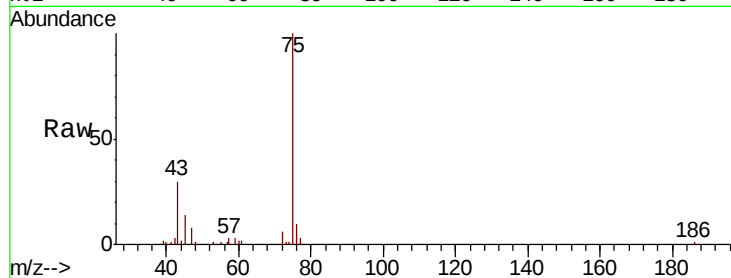




#25  
2-Butanone  
Concen: 9.043 ug/l  
RT: 7.00 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VY000804.D  
Acq: 26 Nov 2019 15:36

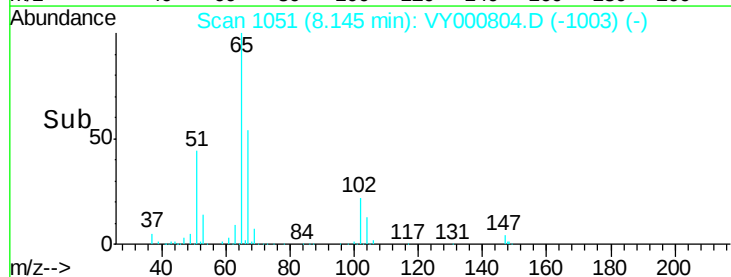
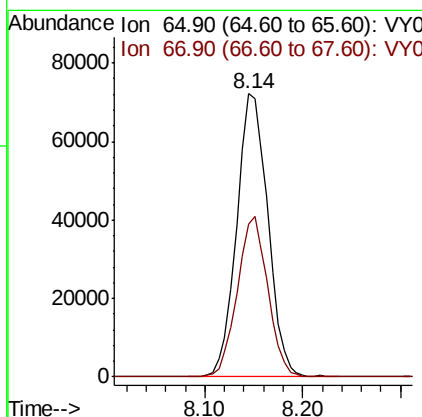
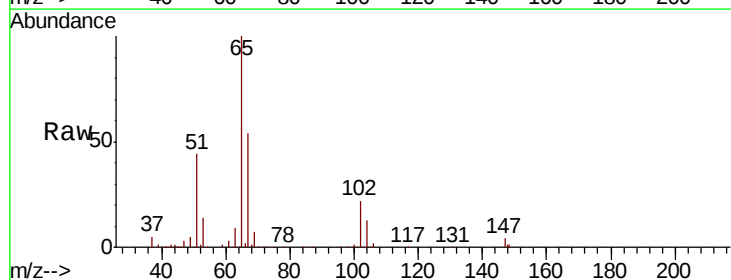
Instrument :  
MSVOA\_Y  
ClientSampled :  
1RE

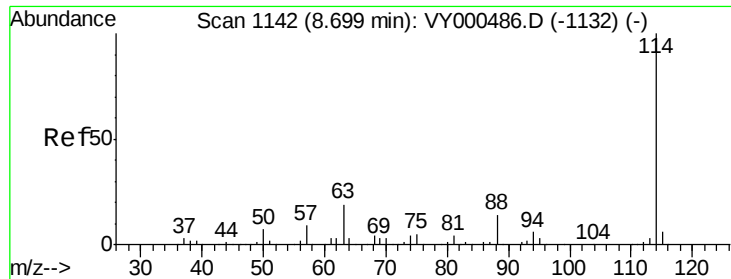
Tot Ion: 43 Resp: 10452  
Ion Ratio Lower Upper  
43 100  
72 20.1 20.9 31.3#



#33  
1,2-Dichloroethane-d4  
Concen: 60.643 ug/l  
RT: 8.14 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: VY000804.D  
Acq: 26 Nov 2019 15:36

Tgt Ion: 65 Resp: 159349  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 107.2

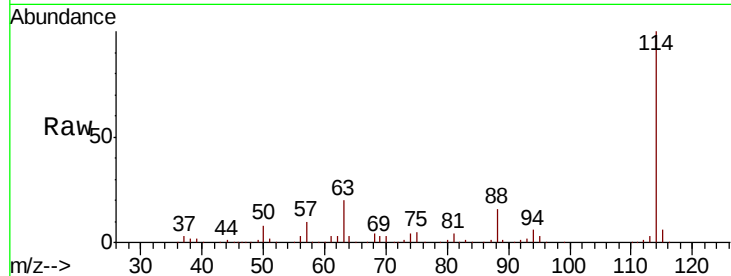




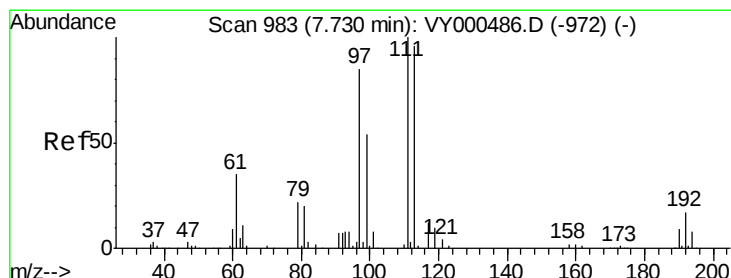
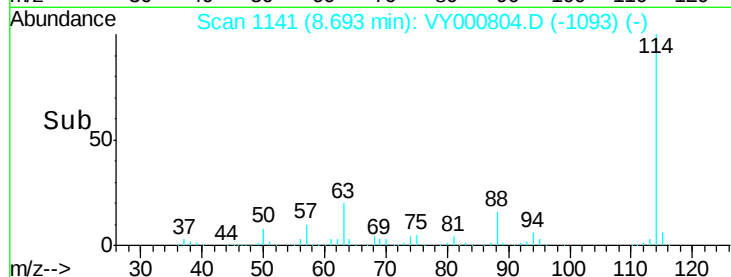
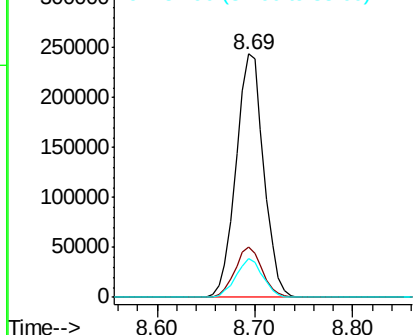
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY000804.D  
 Acq: 26 Nov 2019 15:36

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1RE

Tot Ion:114 Resp: 477752  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 38.0  
 88 15.8 0.0 28.6

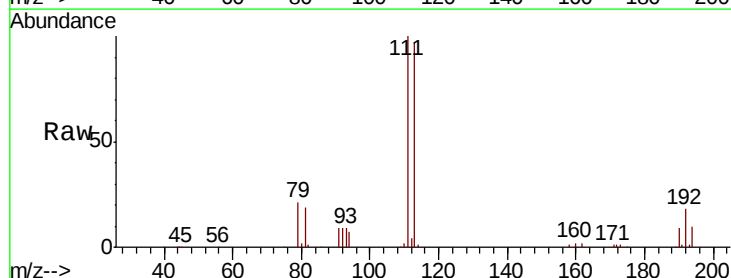


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

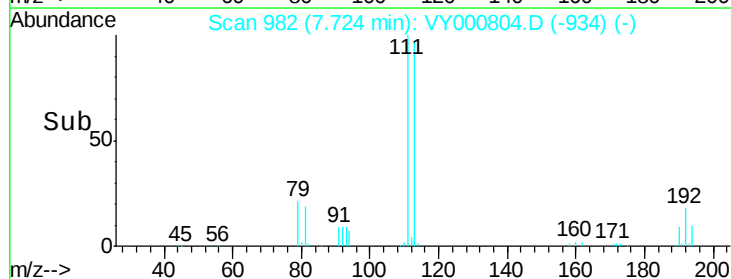
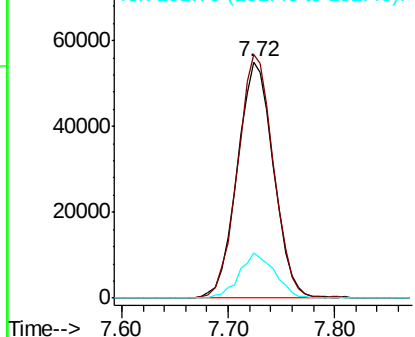


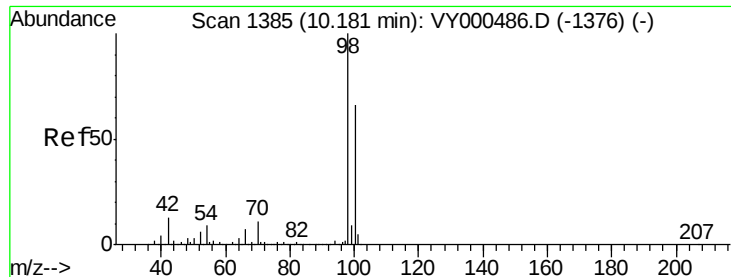
#35  
 Dibromofluoromethane  
 Concen: 46.945 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY000804.D  
 Acq: 26 Nov 2019 15:36

Tgt Ion:113 Resp: 131668  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 81.7 122.5  
 192 18.4 15.0 22.4



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





#50

Toluene-d8

Concen: 52.037 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

Instrument :

MSVOA\_Y

ClientSampleId :

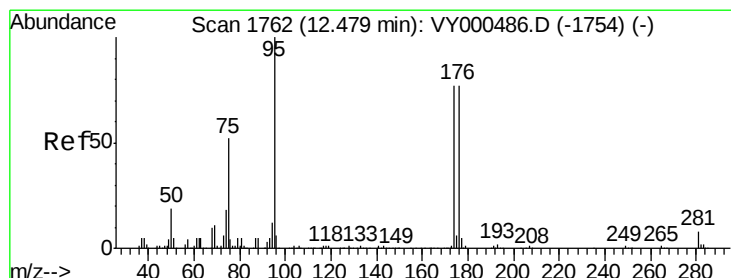
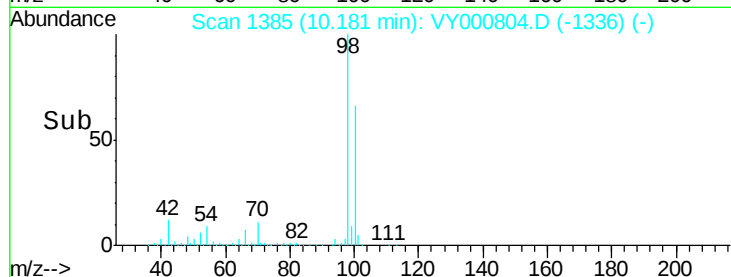
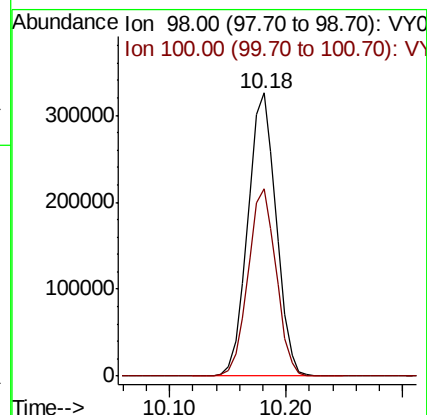
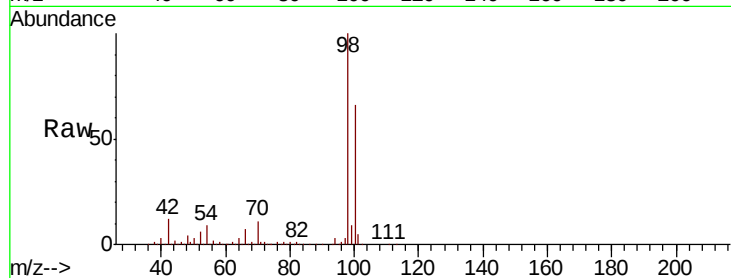
1RE

Tot Ion: 98 Resp: 553803

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 42.663 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000804.D

Acq: 26 Nov 2019 15:36

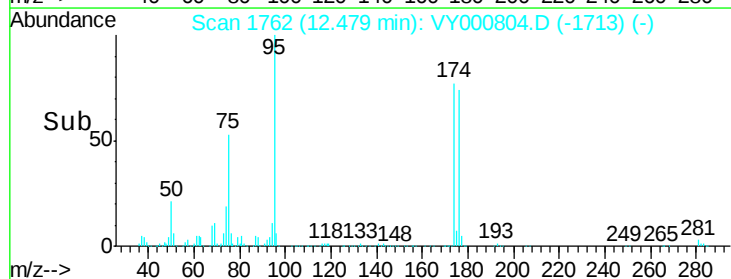
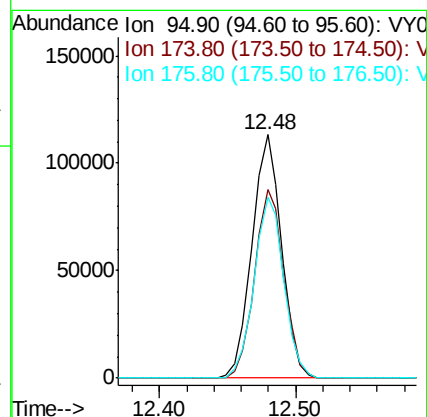
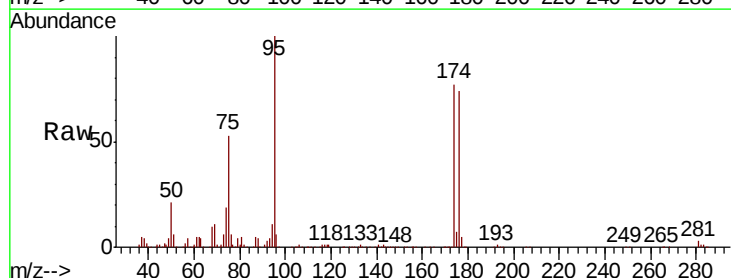
Tgt Ion: 95 Resp: 172849

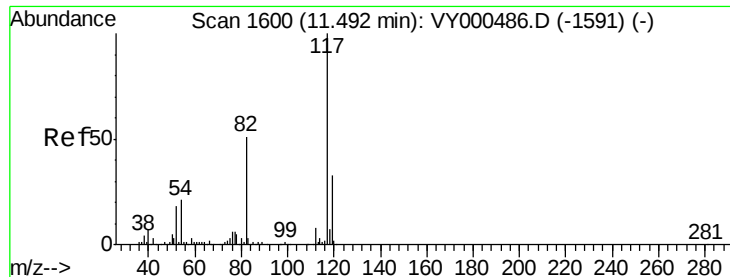
Ion Ratio Lower Upper

95 100

174 76.9 0.0 161.6

176 74.7 0.0 157.8

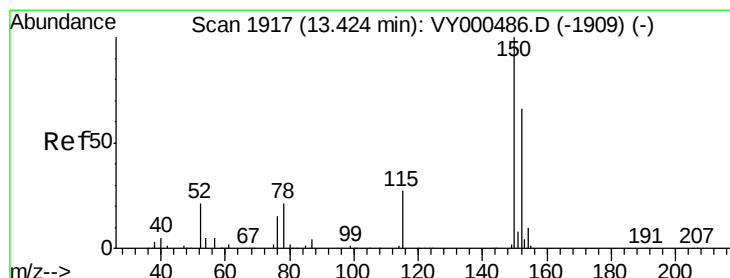
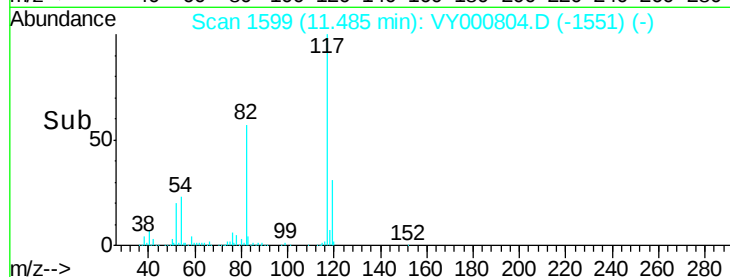
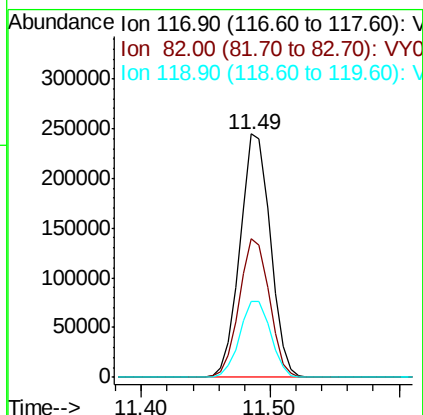
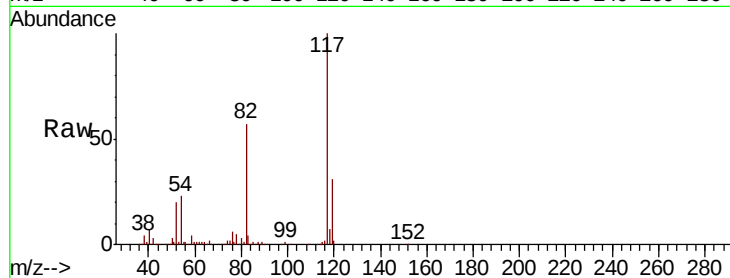




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000804.D  
Acq: 26 Nov 2019 15:36

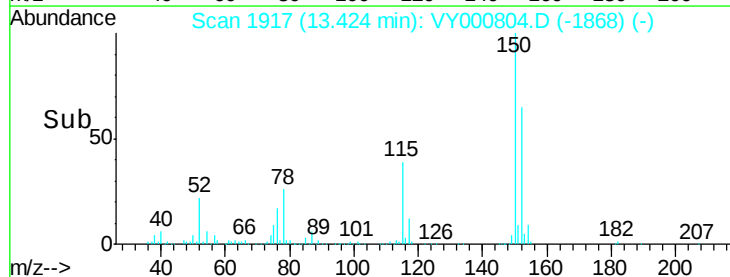
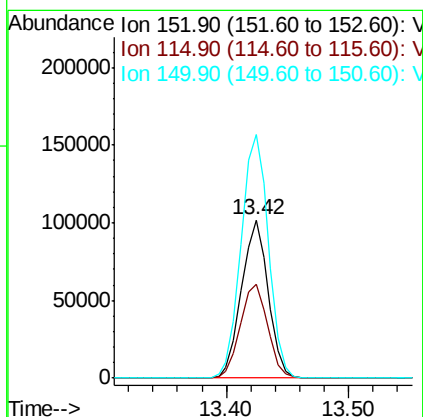
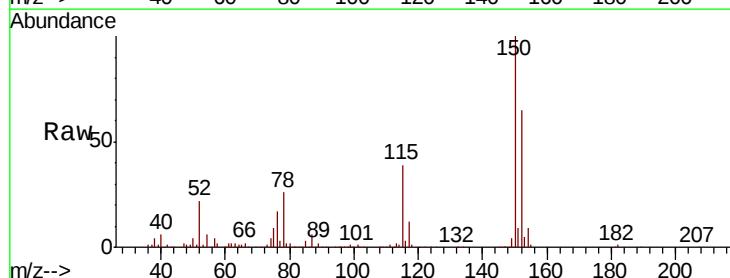
Instrument :  
MSVOA\_Y  
ClientSampled :  
1RE

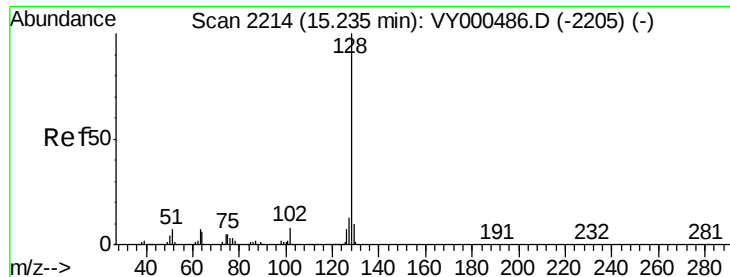
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.0  | 40.8  | 61.2  |
| 119     | 31.0  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY000804.D  
Acq: 26 Nov 2019 15:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.5  | 29.1  | 87.4  |
| 150     | 157.7 | 0.0   | 348.8 |





#95  
Naphthalene  
Concen: 1.704 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VY000804.D  
Acq: 26 Nov 2019 15:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
1RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.9  | 9.8   | 14.6  |
| 129     | 12.2  | 8.7   | 13.1  |

