

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\  
 Data File : VY000417.D  
 Acq On : 24 Oct 2019 18:08  
 Operator : SY/MD  
 Sample : K5499-08  
 Misc : 4.44G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 197-16-(1)

Quant Time: Oct 25 07:40:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 17 02:03:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 206624   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 347169   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 286266   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 105570   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 113438   | 52.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.10% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 102326   | 48.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.72%  |      |
| 50) Toluene-d8              | 10.18  | 98  | 396750   | 49.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.50%  |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 113547   | 37.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 74.20%  |      |

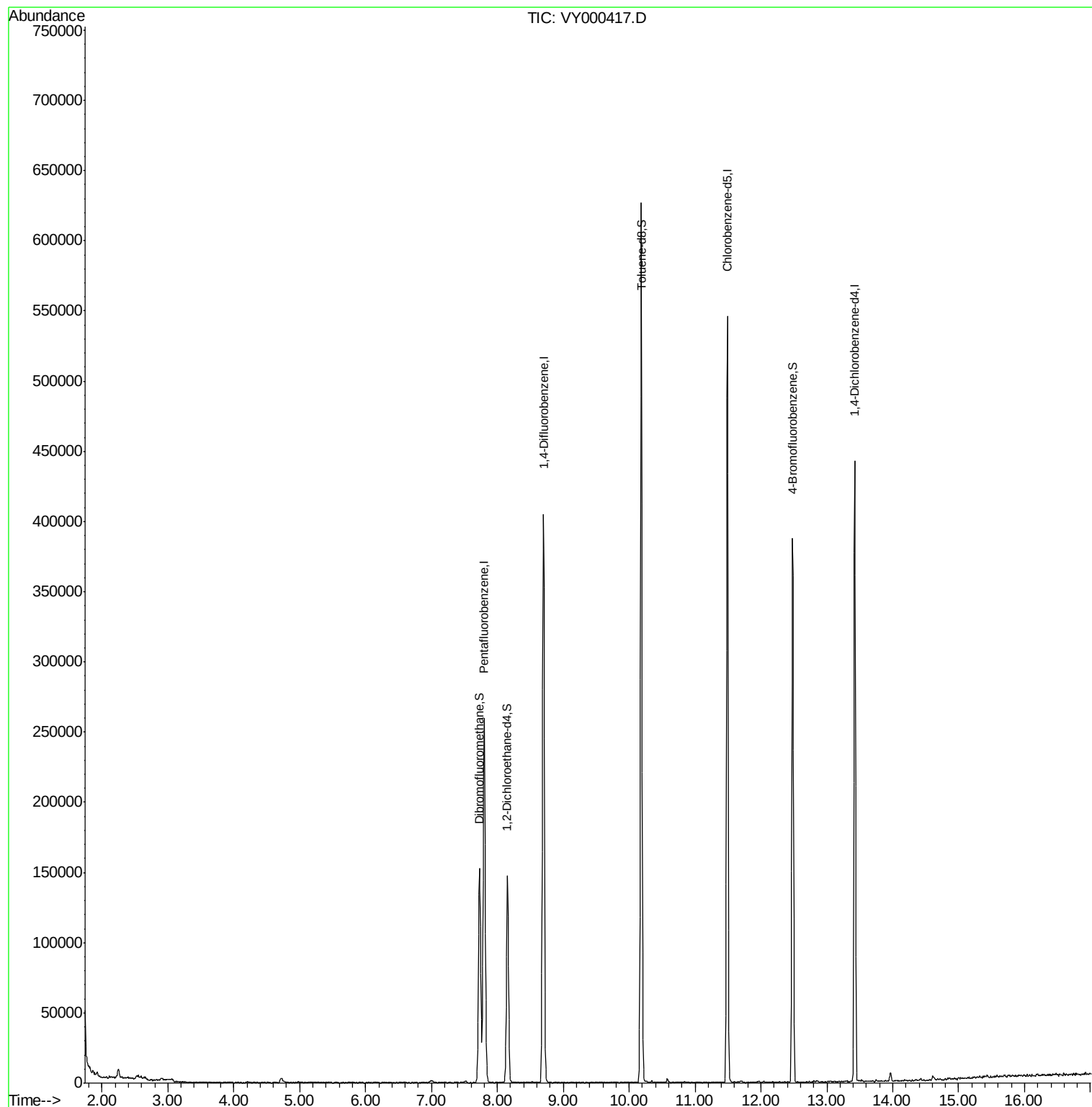
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

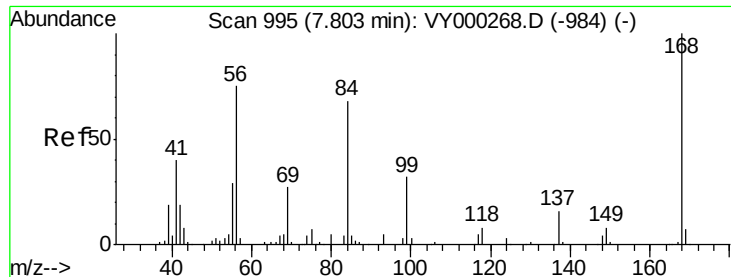
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102419\  
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MSVOA\_Y  
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197-16-(1)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 17 02:03:07 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: VY000417.D

Acq: 24 Oct 2019 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

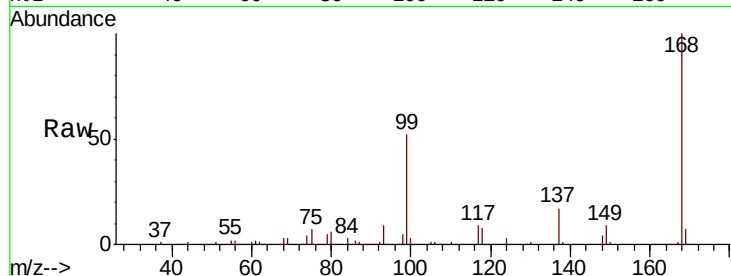
197-16-(1)

Tot Ion:168 Resp: 206624

Ion Ratio Lower Upper

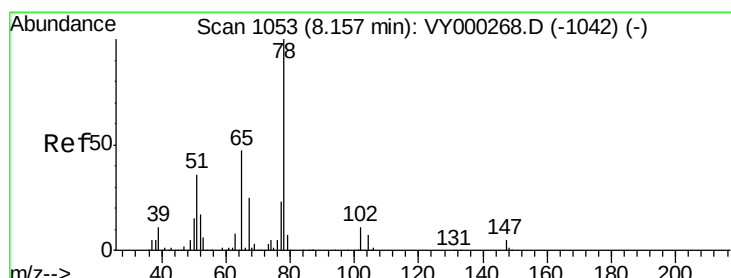
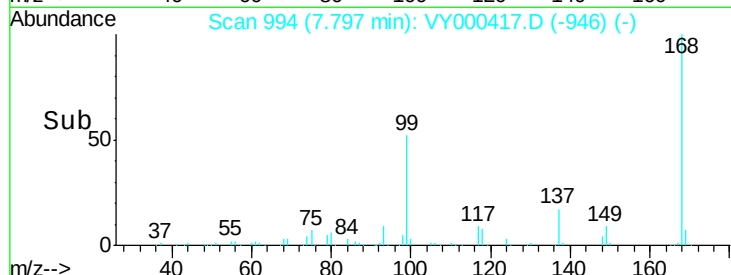
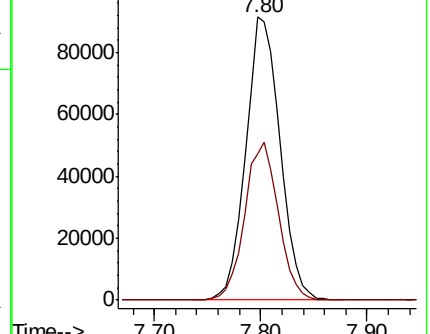
168 100

99 51.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.046 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000417.D

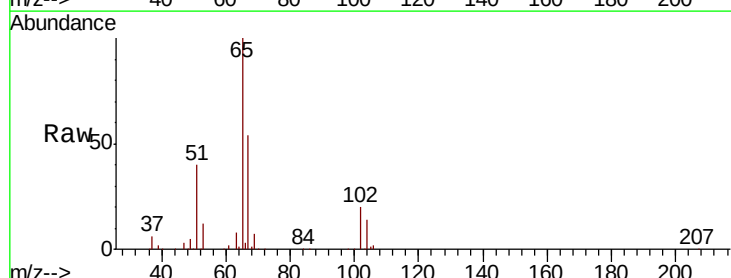
Acq: 24 Oct 2019 18:08

Tgt Ion: 65 Resp: 113438

Ion Ratio Lower Upper

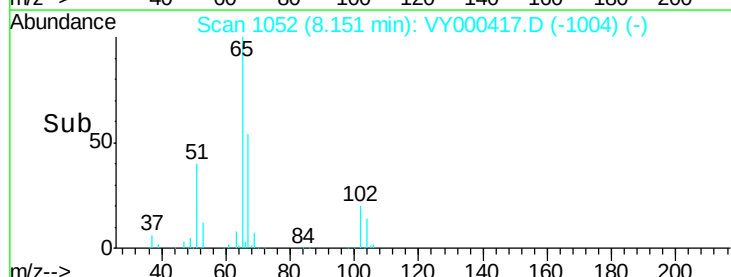
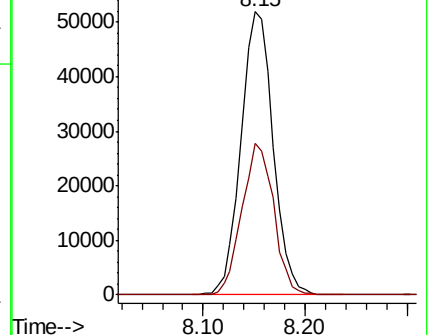
65 100

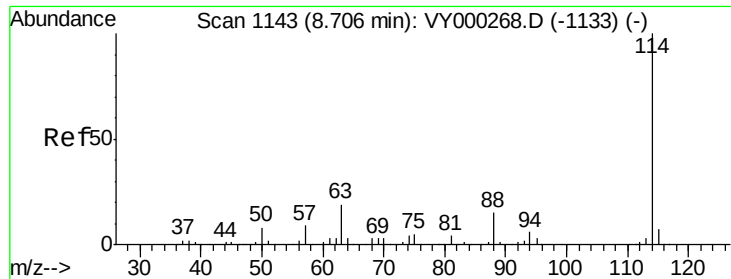
67 53.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY000268.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY000268.D (-1042) (-)

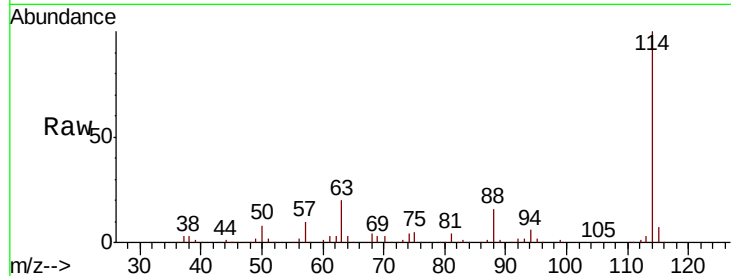




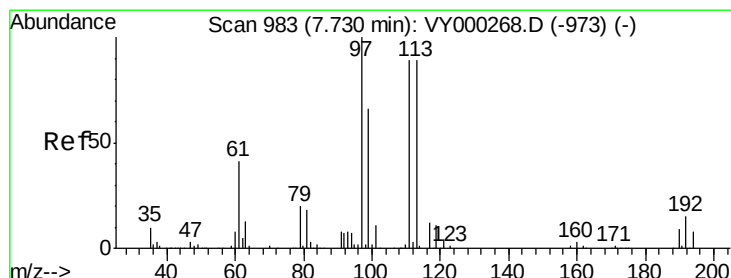
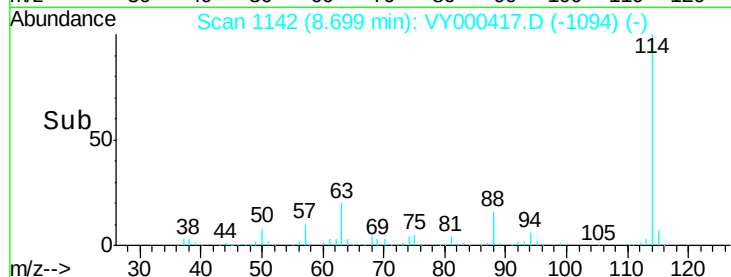
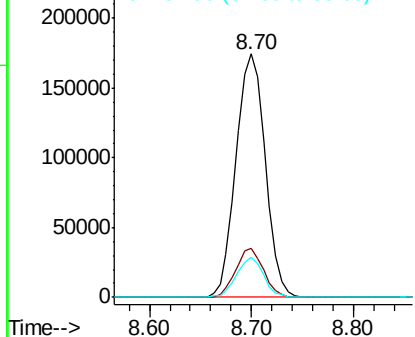
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY000417.D  
 Acq: 24 Oct 2019 18:08

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 197-16-(1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.0  | 0.0   | 37.2  |
| 88      | 16.3  | 0.0   | 30.2  |

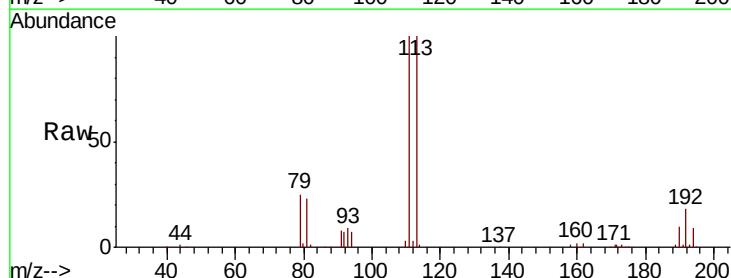


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

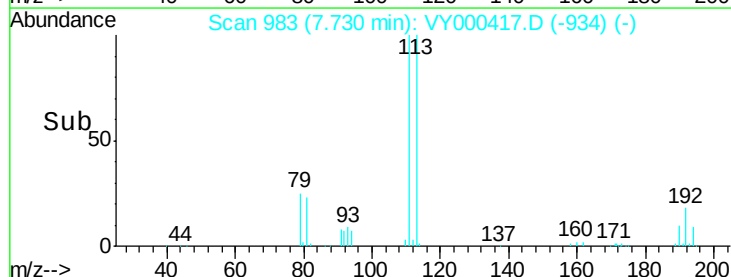
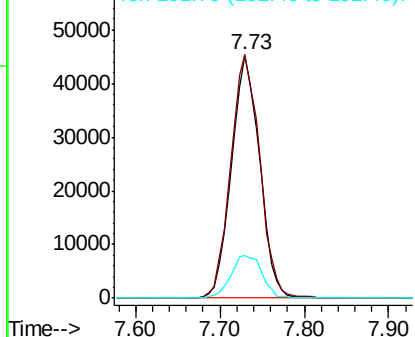


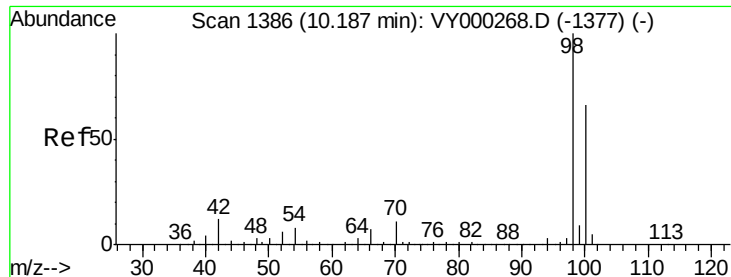
#35  
 Dibromofluoromethane  
 Concen: 48.863 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.00 min  
 Lab File: VY000417.D  
 Acq: 24 Oct 2019 18:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 81.6  | 122.4 |
| 192     | 19.1  | 15.3  | 22.9  |



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: 49.251 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000417.D

Acq: 24 Oct 2019 18:08

Instrument :

MSVOA\_Y

ClientSampled :

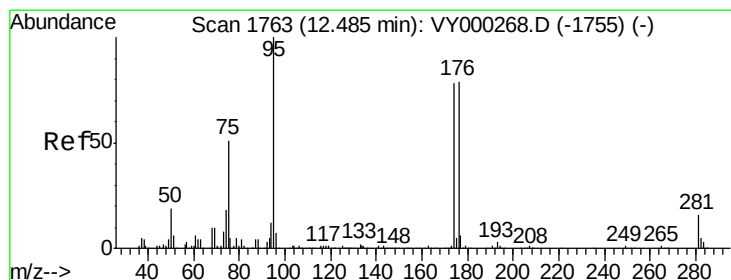
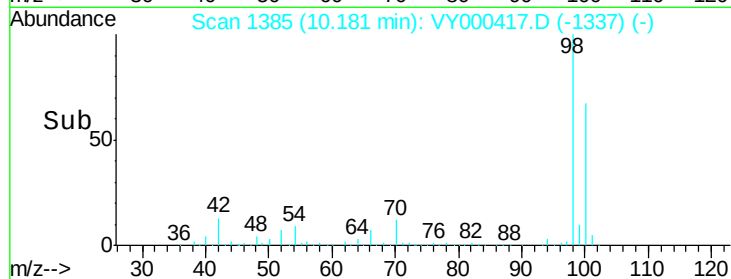
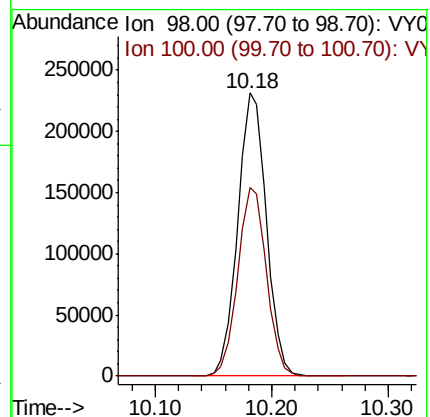
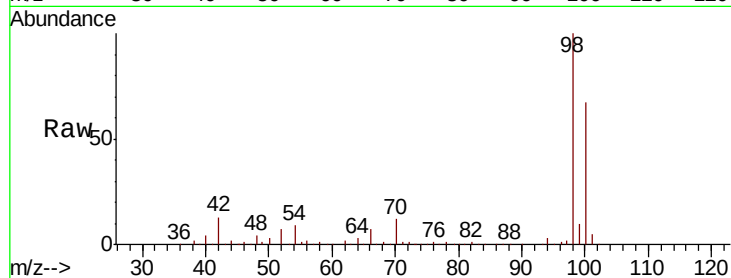
197-16-(1)

Tot Ion: 98 Resp: 396750

Ion Ratio Lower Upper

98 100

100 66.5 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 37.102 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000417.D

Acq: 24 Oct 2019 18:08

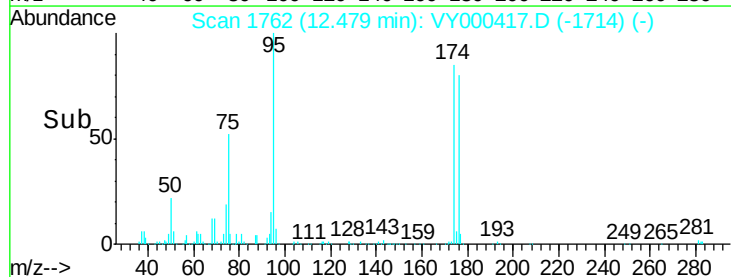
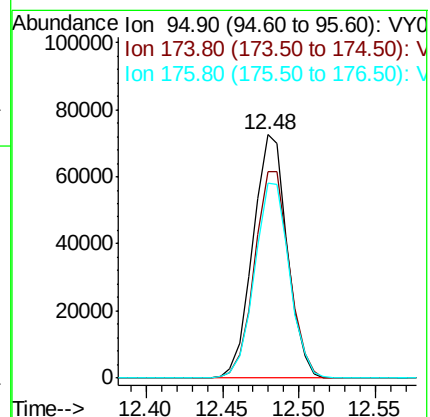
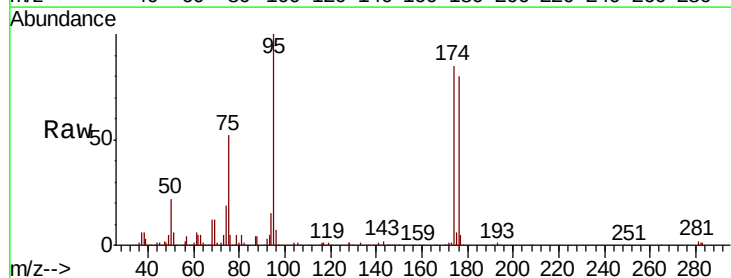
Tgt Ion: 95 Resp: 113547

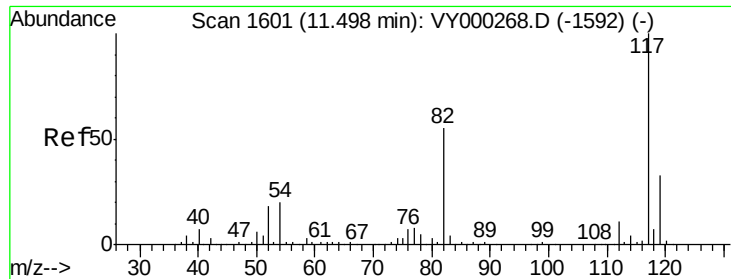
Ion Ratio Lower Upper

95 100

174 85.7 0.0 159.6

176 81.0 0.0 153.8

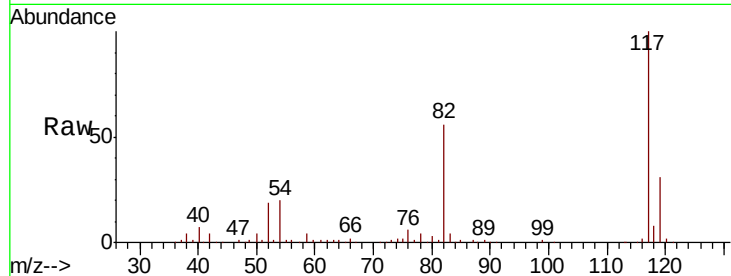




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000417.D  
Acq: 24 Oct 2019 18:08

Instrument :  
MSVOA\_Y  
ClientSampleId :  
197-16-(1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 43.7  | 65.5  |
| 119     | 31.3  | 26.6  | 39.8  |

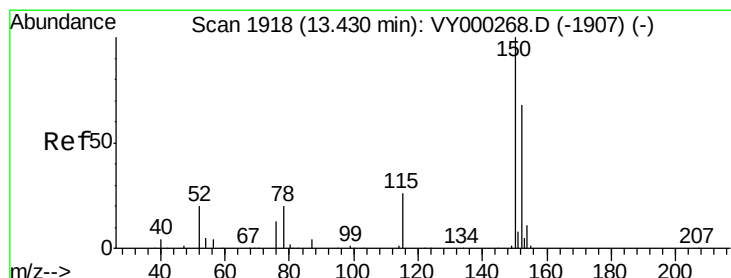
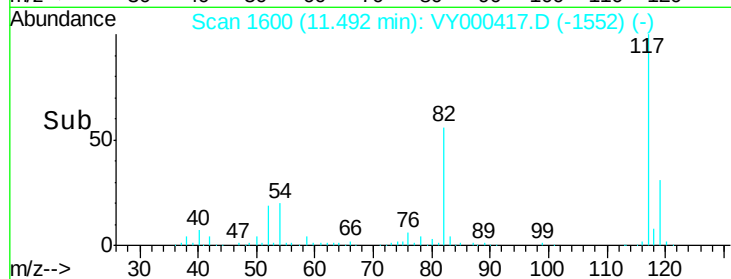
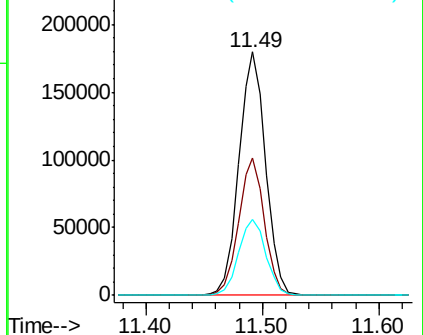


Abundance

Ion 116.90 (116.60 to 117.60): V

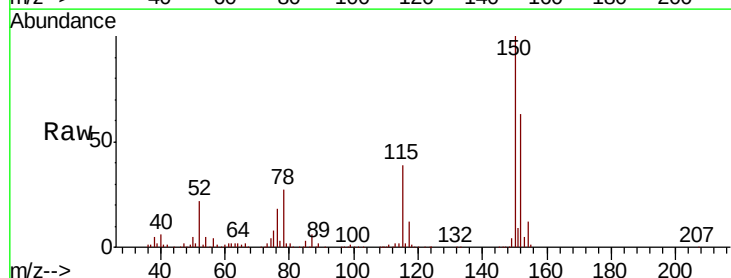
Ion 82.00 (81.70 to 82.70): VY0

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. -0.01 min  
Lab File: VY000417.D  
Acq: 24 Oct 2019 18:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 29.3  | 88.0  |
| 150     | 156.6 | 0.0   | 348.4 |



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

