

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\  
 Data File : VY000416.D  
 Acq On : 24 Oct 2019 17:45  
 Operator : SY/MD  
 Sample : K5499-06  
 Misc : 3.29G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 195-42-(1)

Quant Time: Oct 25 07:38:15 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  | 154795   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 247658   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 189631   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 67596    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 78416    | 48.02 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.04% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 69171    | 46.30 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.60% |      |
| 50) Toluene-d8              | 10.18  | 98  | 283813   | 49.39 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.78% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 73270    | 33.56 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 67.12% |      |

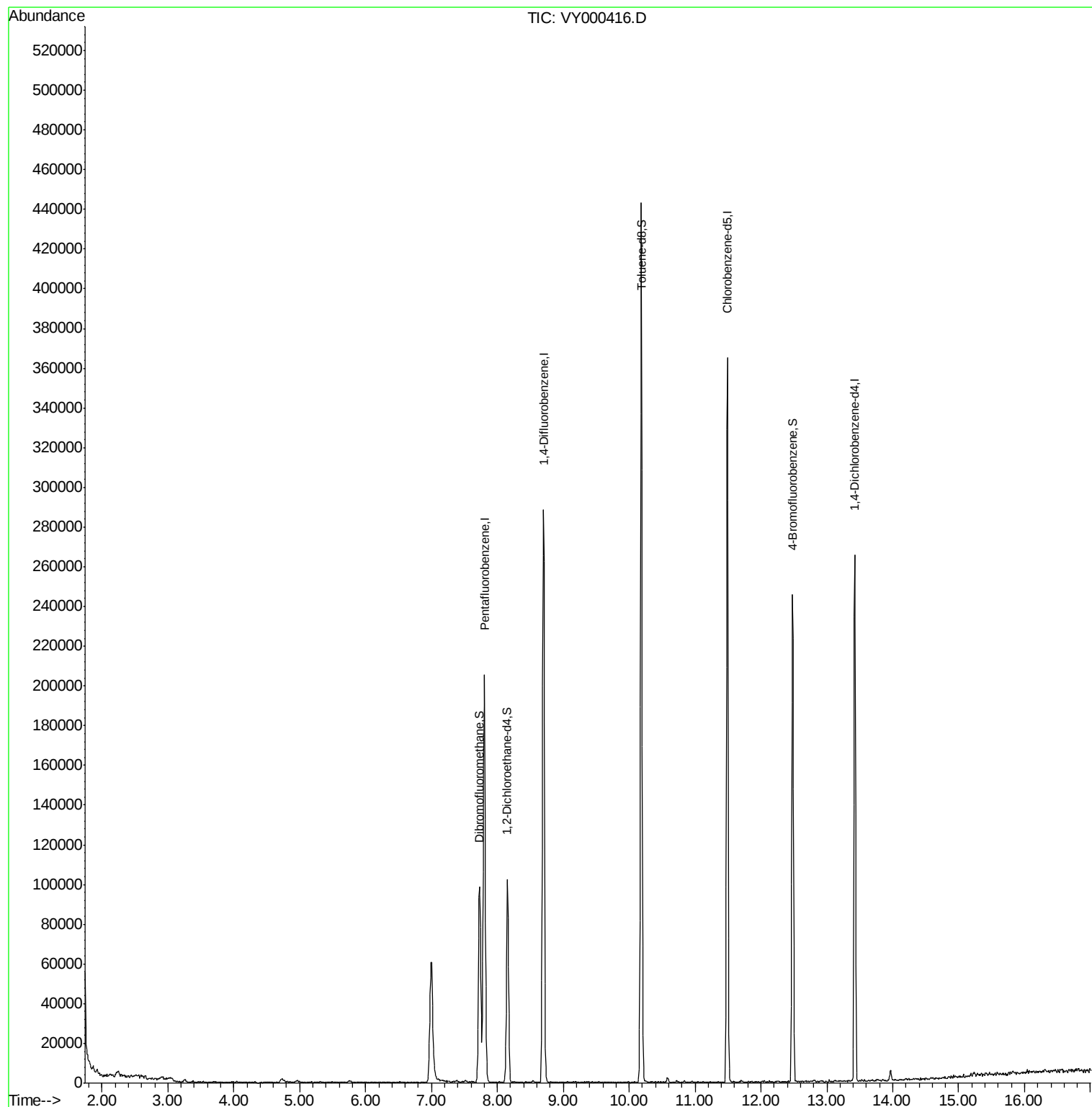
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

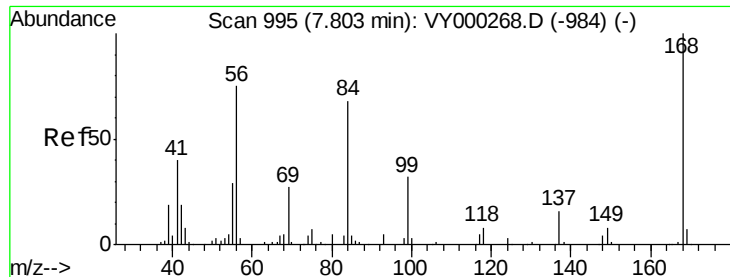
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102419\  
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MSVOA\_Y  
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195-42-(1)

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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# 995

Delta R.T. -0.00 min

Lab File: VY000416.D

Acq: 24 Oct 2019 17:45

Instrument :

MSVOA\_Y

ClientSampled :

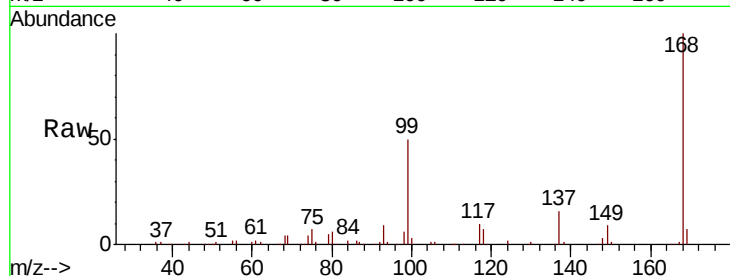
195-42-(1)

Tot Ion:168 Resp: 154795

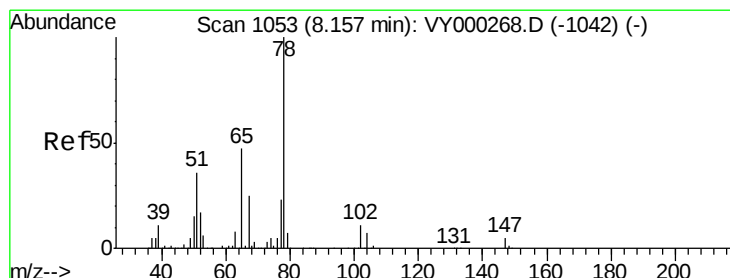
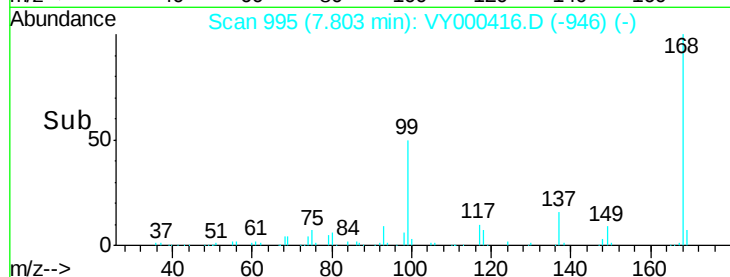
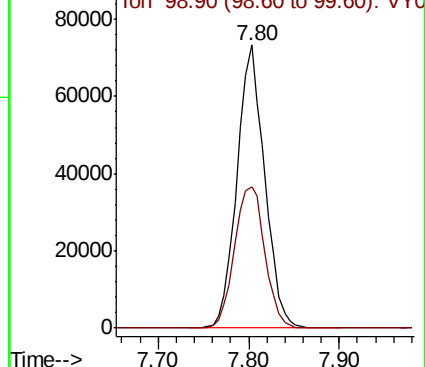
Ion Ratio Lower Upper

168 100

99 49.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000416.D (-946) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.024 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000416.D

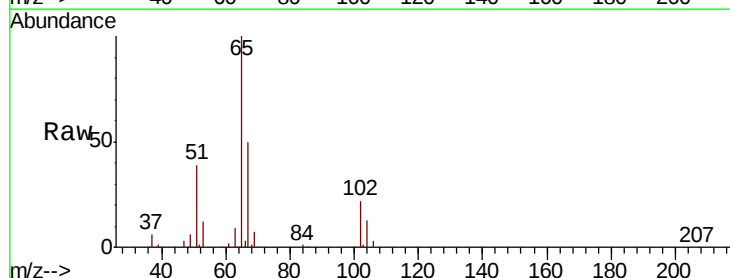
Acq: 24 Oct 2019 17:45

Tgt Ion: 65 Resp: 78416

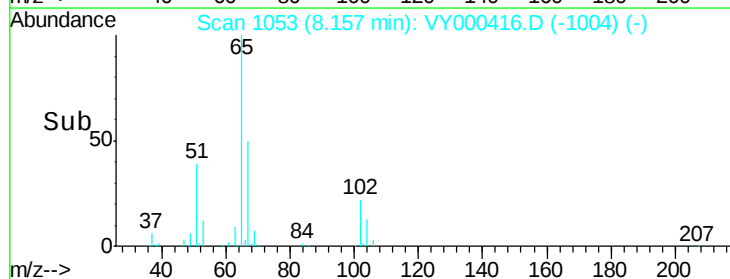
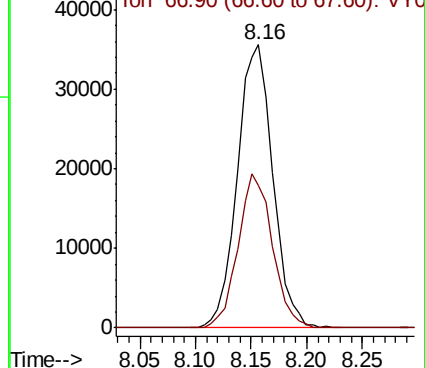
Ion Ratio Lower Upper

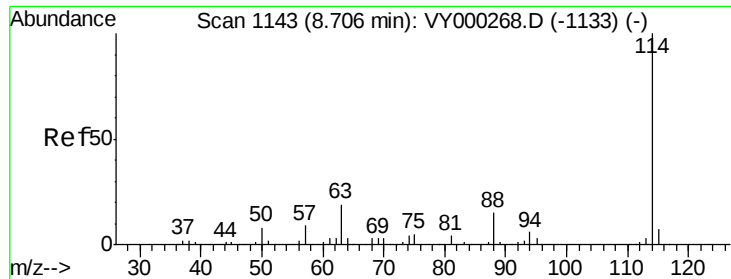
65 100

67 52.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY000416.D (-1004) (-)

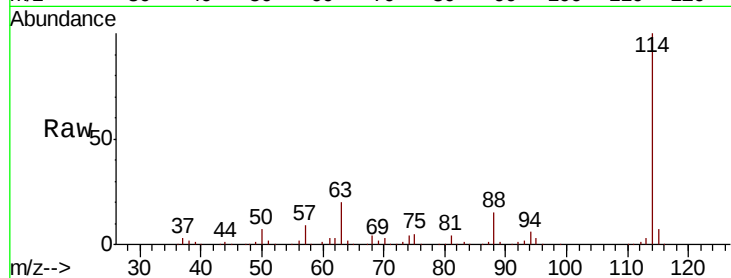




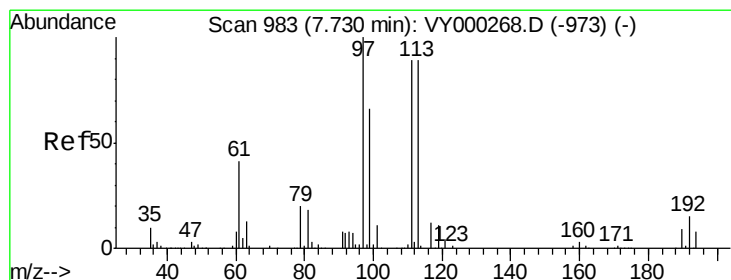
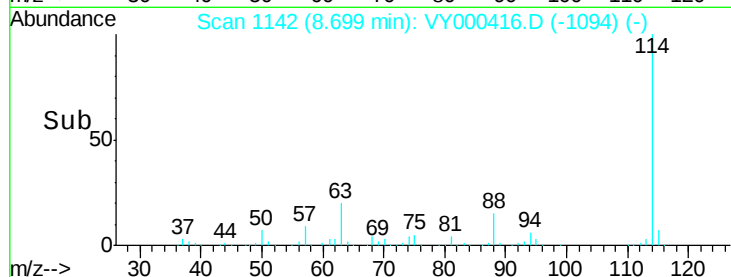
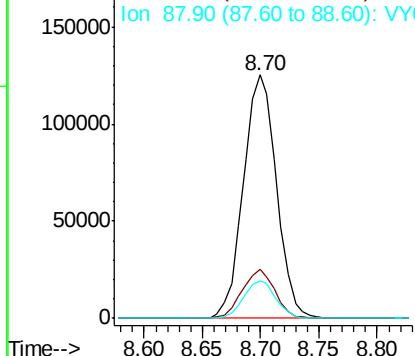
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY000416.D  
 Acq: 24 Oct 2019 17:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 195-42-(1)

Tot Ion:114 Resp: 247658  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 37.2  
 88 15.3 0.0 30.2

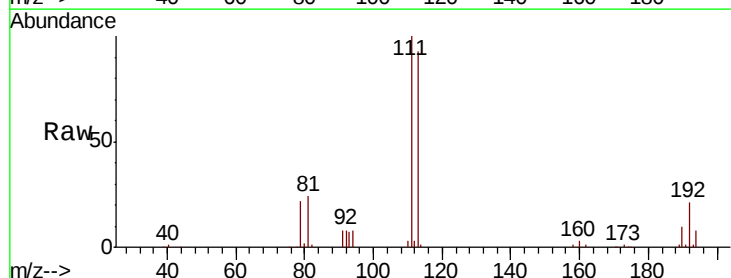


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

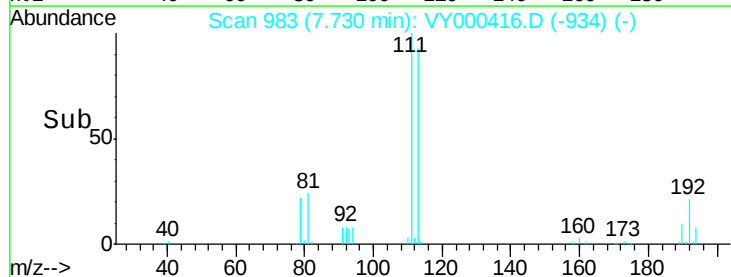
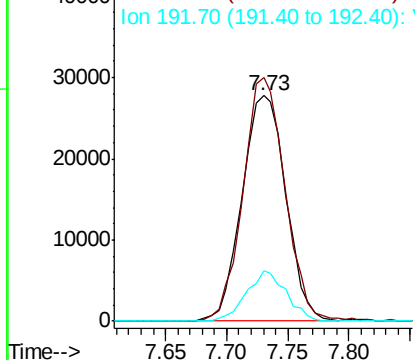


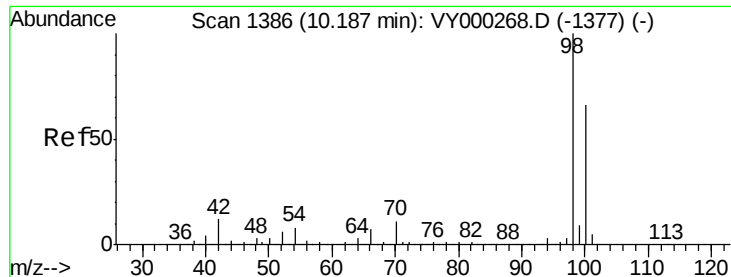
#35  
 Dibromofluoromethane  
 Concen: 46.302 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000416.D  
 Acq: 24 Oct 2019 17:45

Tgt Ion:113 Resp: 69171  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 81.6 122.4  
 192 20.4 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: 49.388 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000416.D

Acq: 24 Oct 2019 17:45

Instrument :

MSVOA\_Y

ClientSampleId :

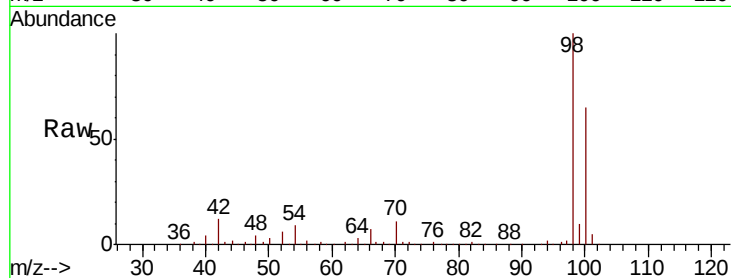
195-42-(1)

Tot Ion: 98 Resp: 283813

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

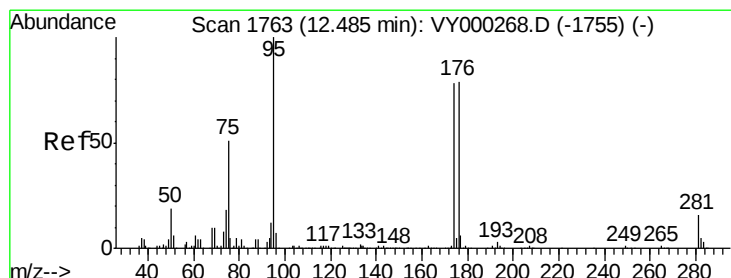
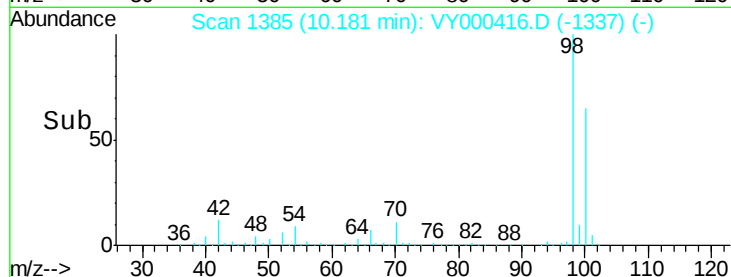
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 33.561 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000416.D

Acq: 24 Oct 2019 17:45

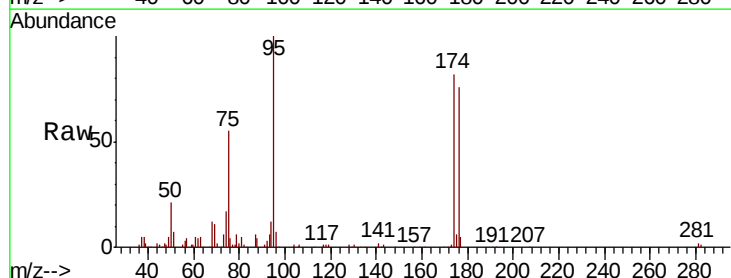
Tgt Ion: 95 Resp: 73270

Ion Ratio Lower Upper

95 100

174 82.7 0.0 159.6

176 80.1 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

60000

50000

40000

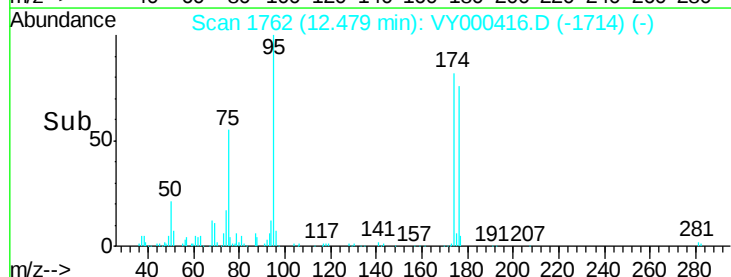
30000

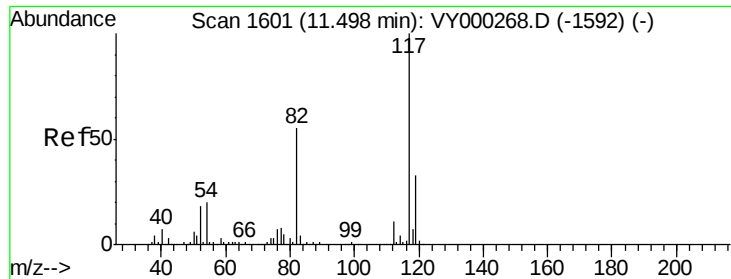
20000

10000

0

Time-->

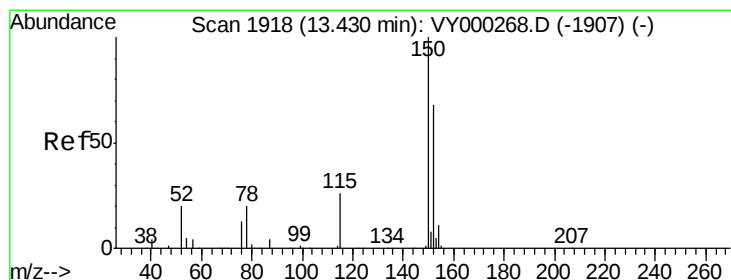
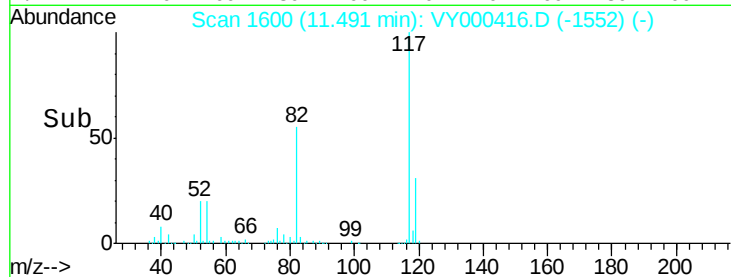
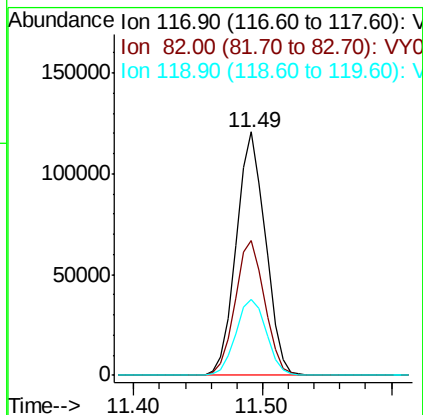
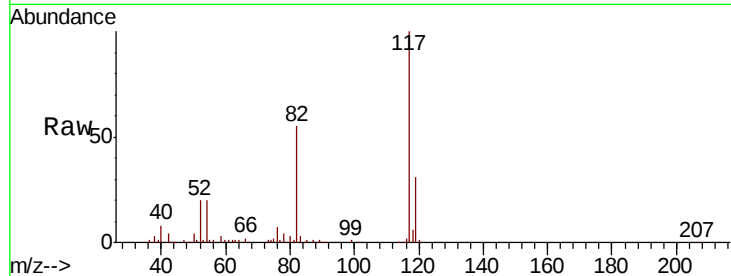




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000416.D  
Acq: 24 Oct 2019 17:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
195-42-(1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.3  | 43.7  | 65.5  |
| 119     | 31.3  | 26.6  | 39.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY000416.D  
Acq: 24 Oct 2019 17:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.2  | 29.3  | 88.0  |
| 150     | 153.2 | 0.0   | 348.4 |

