

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\  
 Data File : VY001076.D  
 Acq On : 26 Dec 2019 16:42  
 Operator : SY/MD  
 Sample : K6431-13  
 Misc : 6.29G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1-(4-5)

Quant Time: Dec 27 06:27:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y122319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 23 12:07:44 2019  
 Response via : Initial Calibration

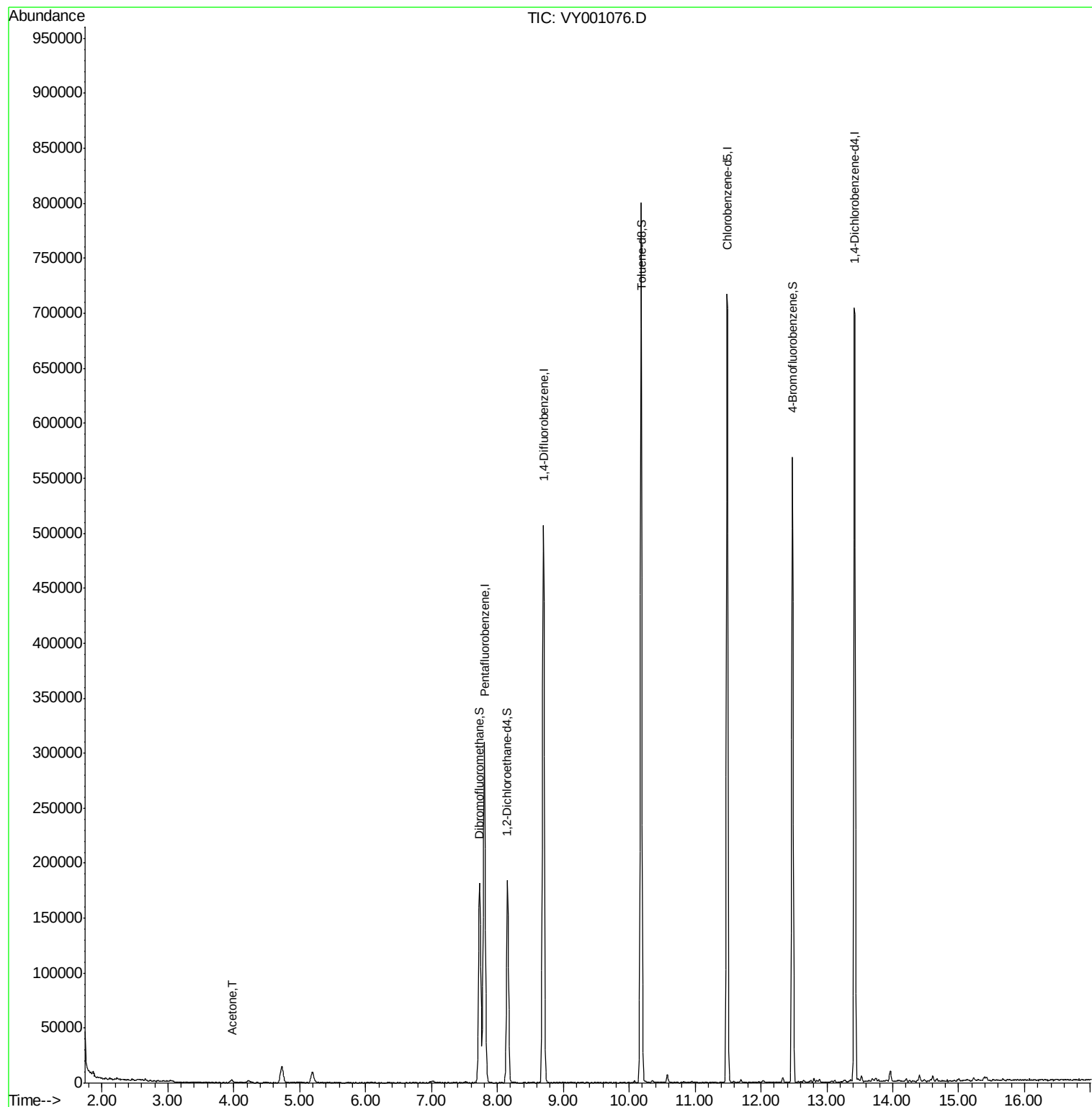
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 240014   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 456621   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 407743   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 181685   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 133513   | 56.40 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.80% |            |
| 35) Dibromofluoromethane    | 7.73  | 113  | 133295   | 49.57 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.14%  |            |
| 50) Toluene-d8              | 10.18 | 98   | 534600   | 50.88 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.76% |            |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 176118   | 45.84 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.68%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 3.97  | 43   | 4617     | 8.466 | ug/l    | Qvalue 100 |

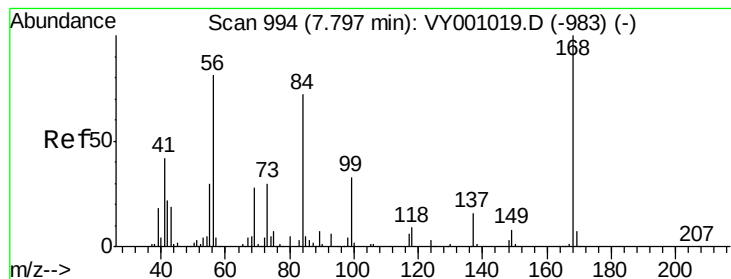
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1-(4-5)

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Quant Title : SW846 8260  
QLast Update : Mon Dec 23 12:07:44 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

Instrument :

MSVOA\_Y

ClientSampleId :

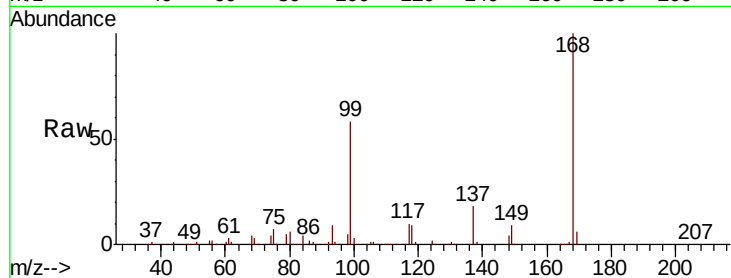
SB-1-(4-5)

Tot Ion:168 Resp: 240014

Ion Ratio Lower Upper

168 100

99 57.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

120000

100000

80000

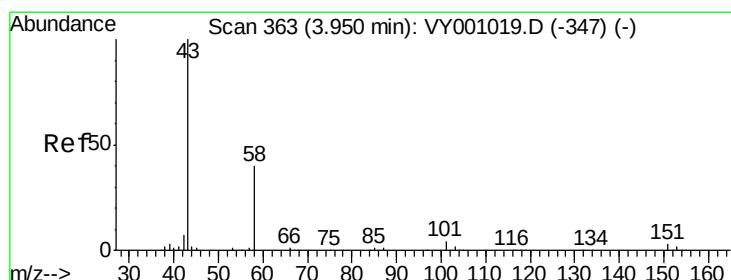
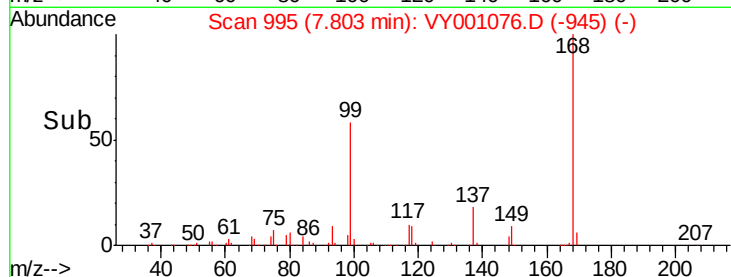
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 8.466 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001076.D

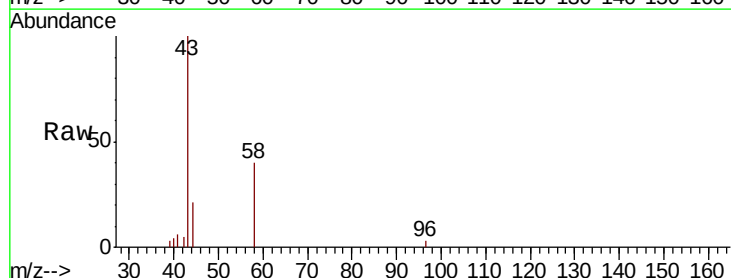
Acq: 26 Dec 2019 16:42

Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.97

2000

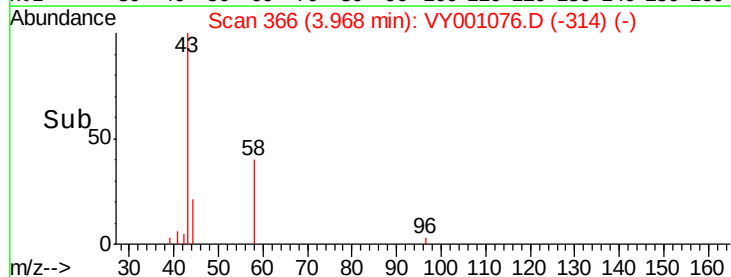
1500

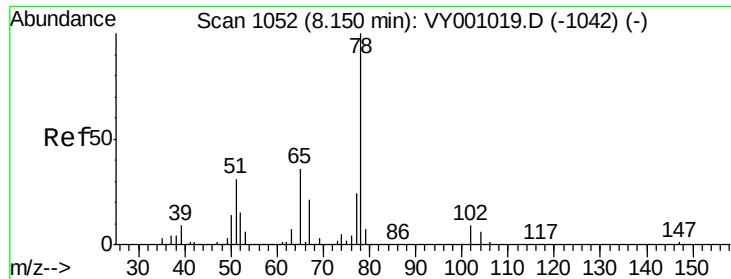
1000

500

0

Time-->

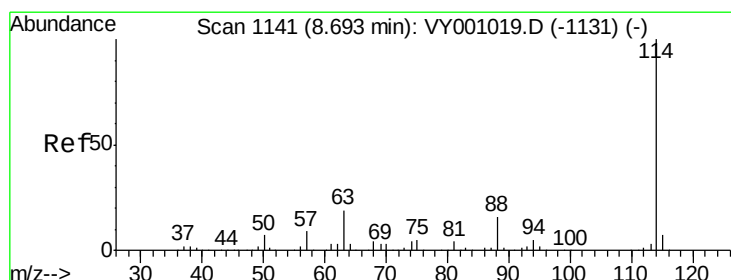
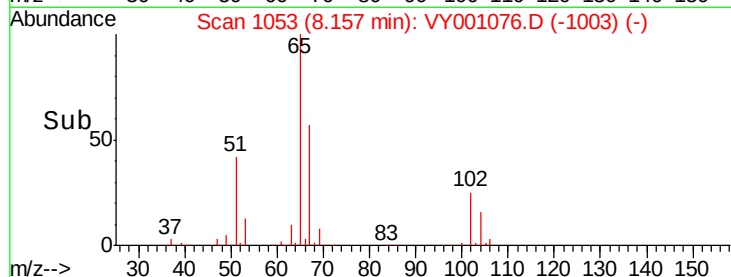
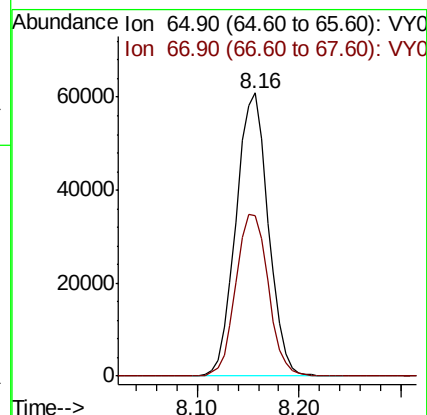
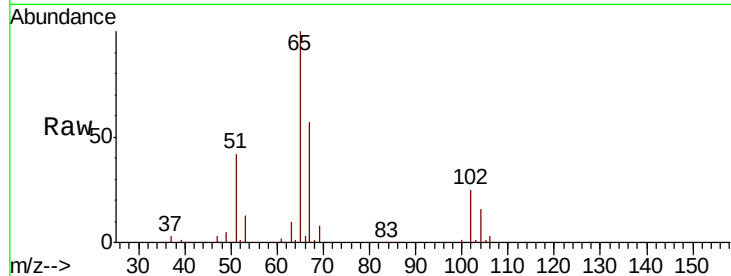




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.401 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. 0.01 min  
 Lab File: VY001076.D  
 Acq: 26 Dec 2019 16:42

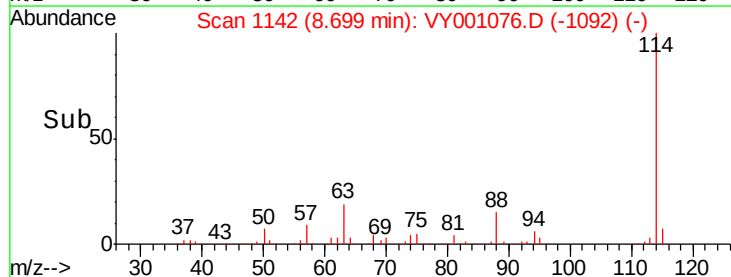
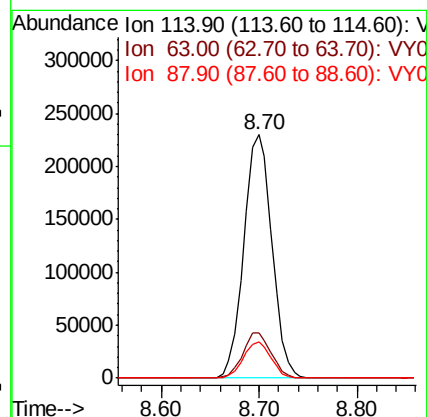
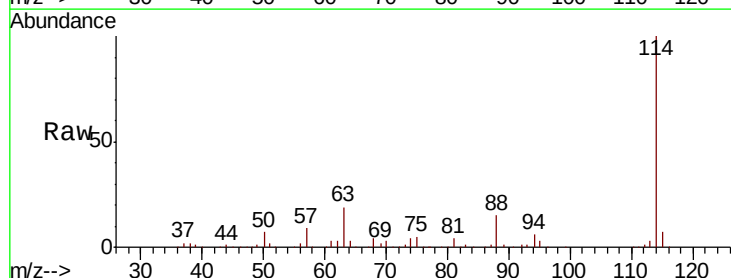
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1-(4-5)

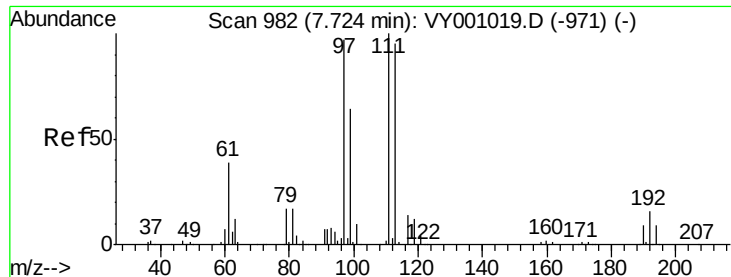
Tot Ion: 65 Resp: 133513  
 Ion Ratio Lower Upper  
 65 100  
 67 57.5 0.0 112.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.01 min  
 Lab File: VY001076.D  
 Acq: 26 Dec 2019 16:42

Tgt Ion: 114 Resp: 456621  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 37.0  
 88 15.0 0.0 32.0

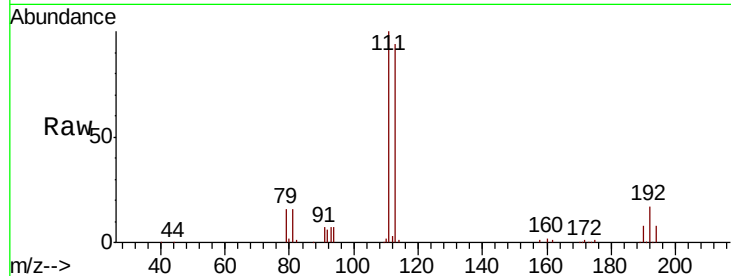




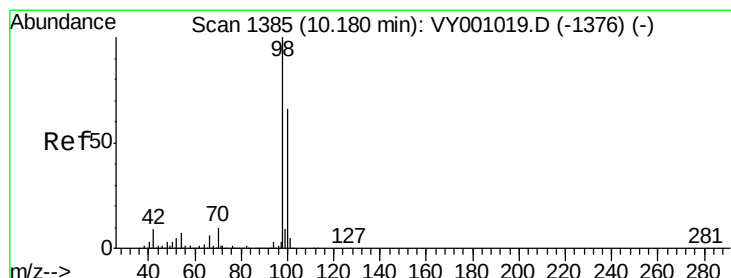
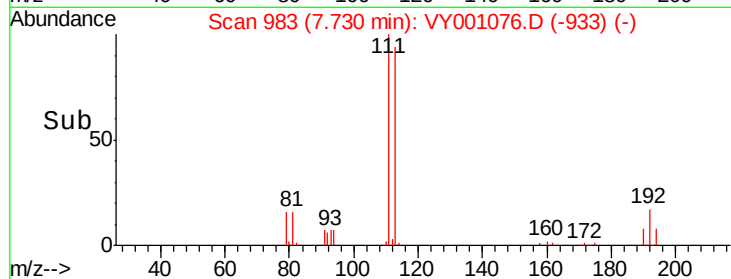
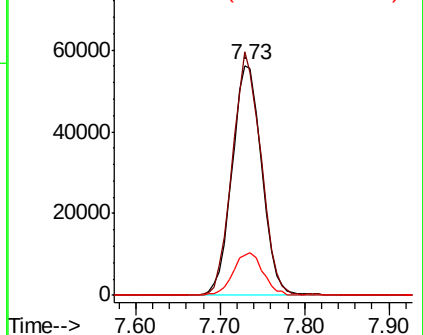
#35  
 Dibromofluoromethane  
 Concen: 49.573 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.01 min  
 Lab File: VY001076.D  
 Acq: 26 Dec 2019 16:42

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1-(4-5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 83.0  | 124.4 |
| 192     | 18.6  | 14.6  | 21.8  |

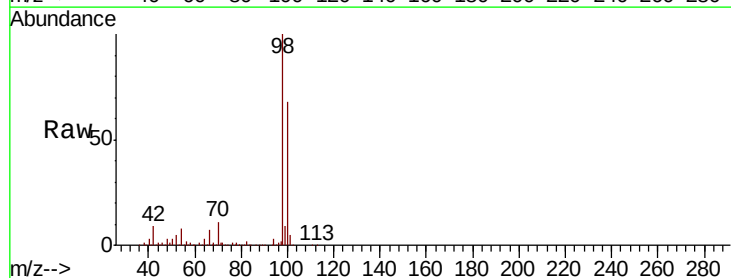


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

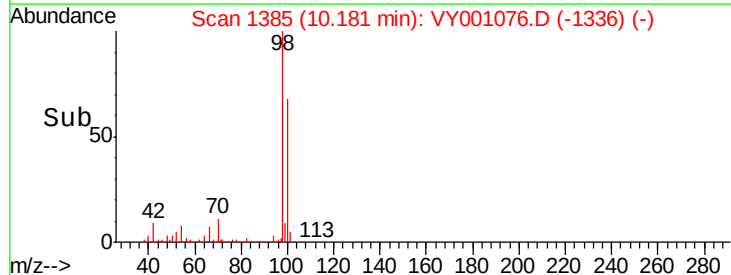
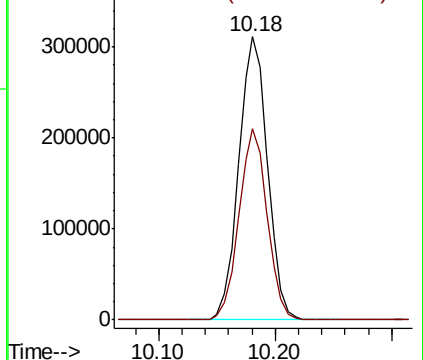


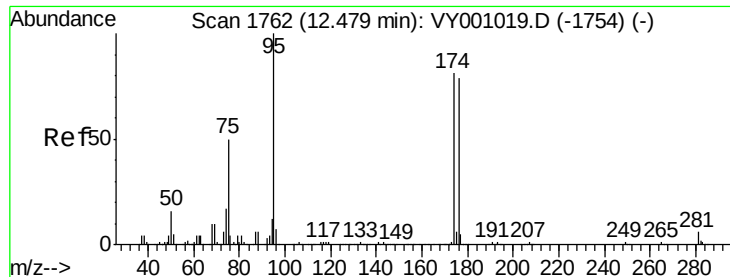
#50  
 Toluene-d8  
 Concen: 50.876 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. 0.00 min  
 Lab File: VY001076.D  
 Acq: 26 Dec 2019 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.2  | 53.0  | 79.4  |



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY

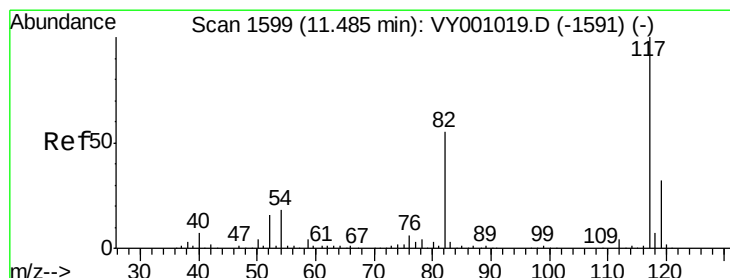
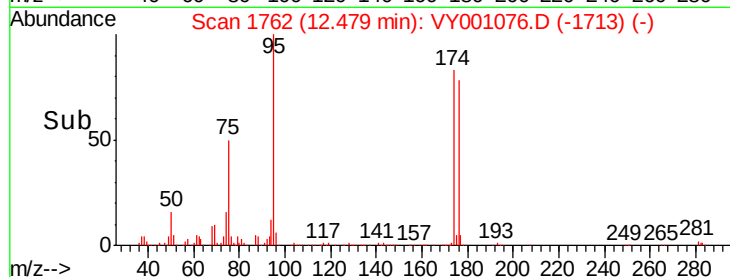
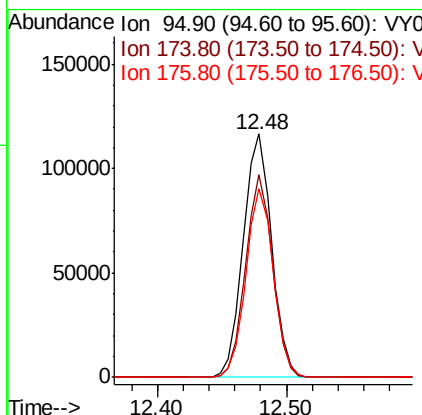
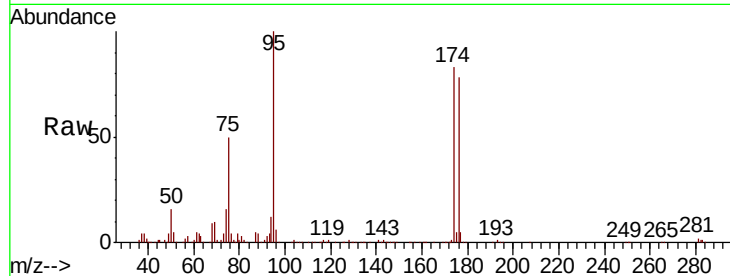




#62  
4-Bromofluorobenzene  
Concen: 45.842 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY001076.D  
Acq: 26 Dec 2019 16:42

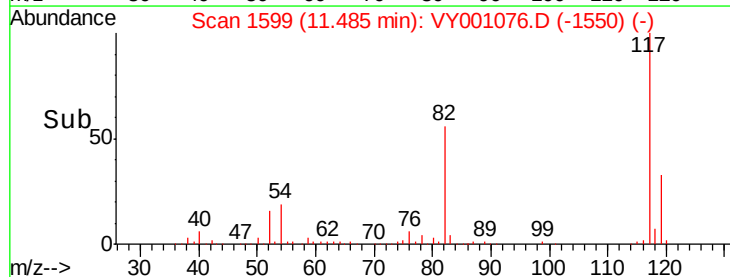
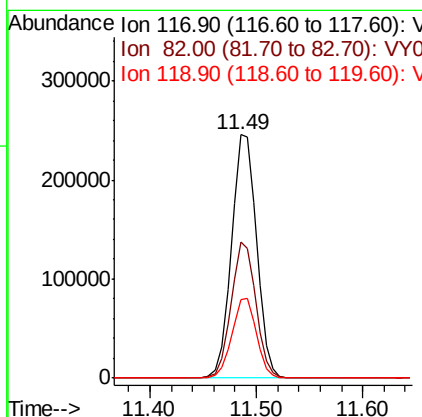
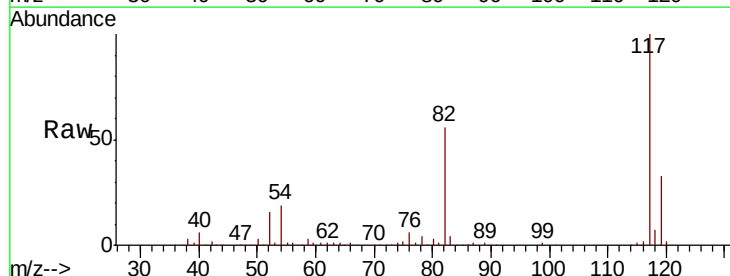
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1-(4-5)

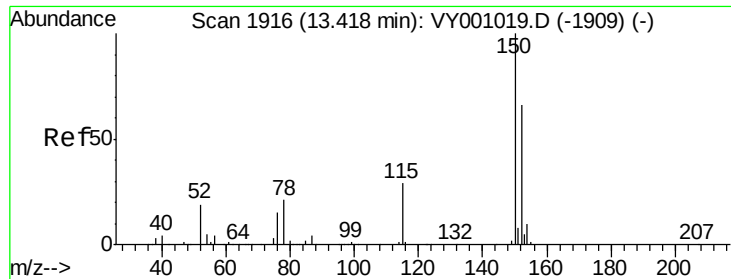
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.2  | 0.0   | 156.4 |
| 176     | 75.0  | 0.0   | 155.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VY001076.D  
Acq: 26 Dec 2019 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.0  | 43.8  | 65.8  |
| 119     | 32.5  | 25.8  | 38.6  |



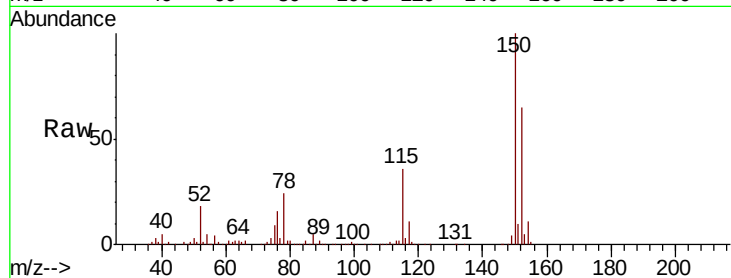


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.01 min  
Lab File: VY001076.D  
Acq: 26 Dec 2019 16:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1-(4-5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.8  | 29.8  | 89.3  |
| 150     | 155.8 | 0.0   | 352.6 |



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

