

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\  
 Data File : VY000280.D  
 Acq On : 11 Oct 2019 18:58  
 Operator : SY/MD  
 Sample : K5316-05  
 Misc : 7.02G/5ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-10

Quant Time: Oct 14 08:34:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 08:10:23 2019  
 Response via : Initial Calibration

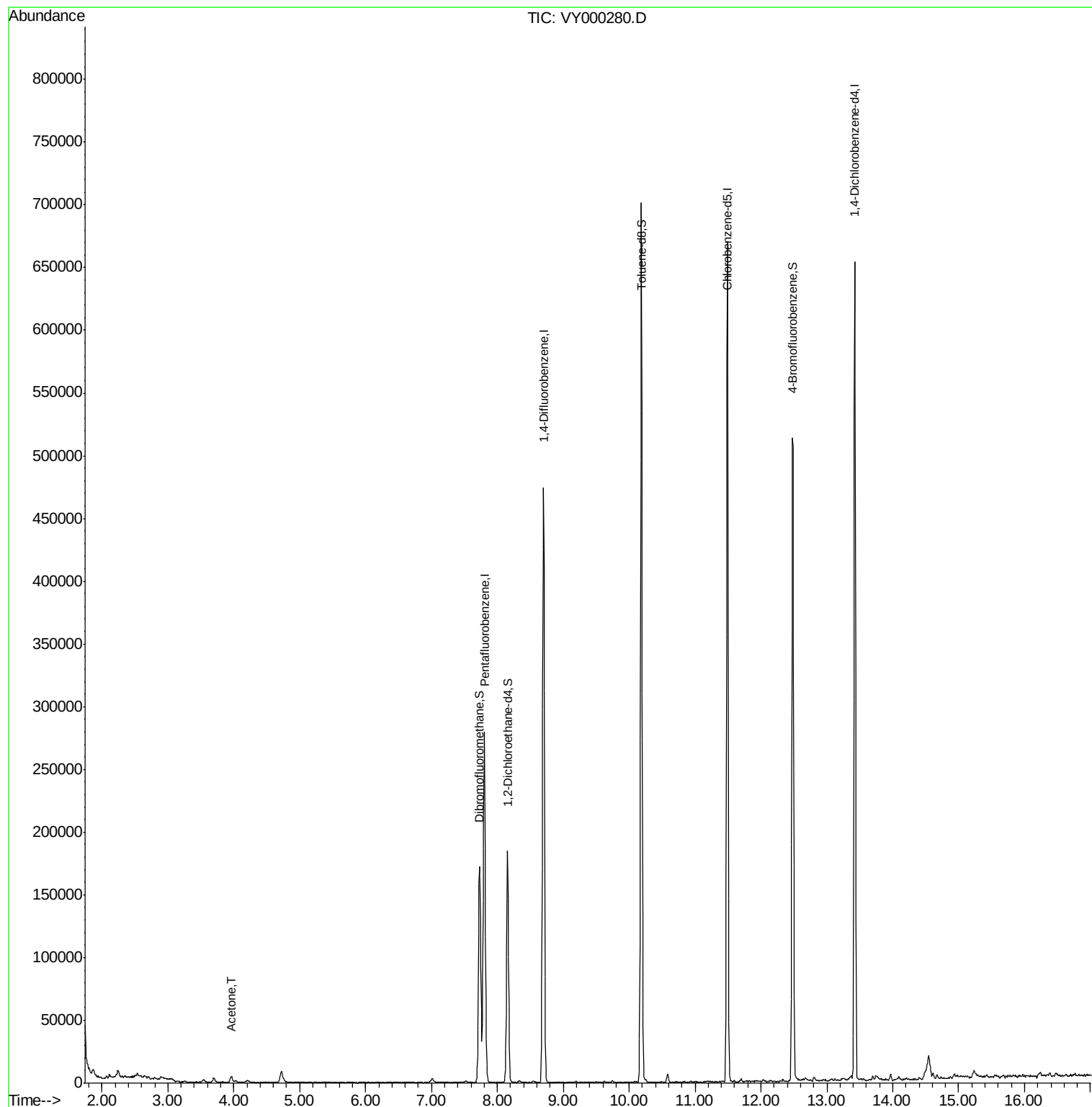
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 216193   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 402303   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 346663   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 158156   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 135797   | 59.55  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.10% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 118874   | 48.99  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.98%  |           |
| 50) Toluene-d8              | 10.19 | 98   | 457053   | 48.96  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.92%  |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 156670   | 44.18  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.36%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 3.96  | 43   | 8996     | 12.181 | ug/l    | Qvalue 91 |

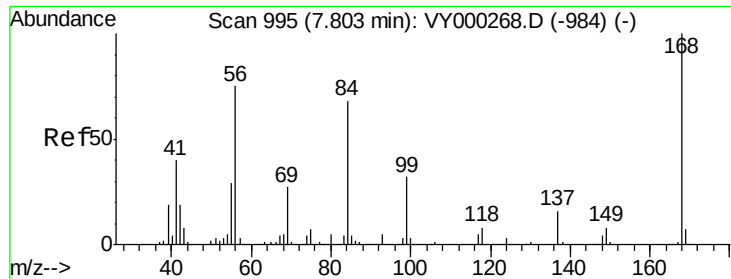
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101119\  
Data File : VY000280.D  
Acq On : 11 Oct 2019 18:58  
Operator : SY/MD  
Sample : K5316-05  
Misc : 7.02G/5ML/MSVOA Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

Quant Time: Oct 14 08:34:18 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 08:10:23 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: VY000280.D

Acq: 11 Oct 2019 18:58

Instrument :

MSVOA\_Y

ClientSampleId :

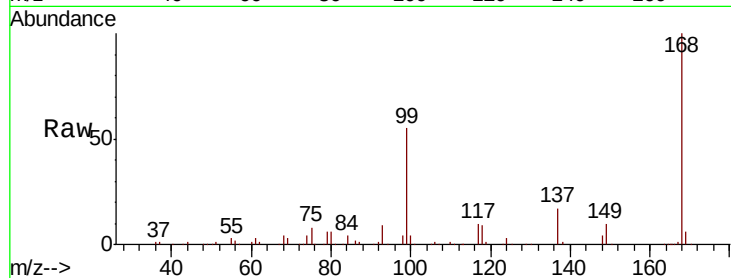
TP-10

Tot Ion:168 Resp: 216193

Ion Ratio Lower Upper

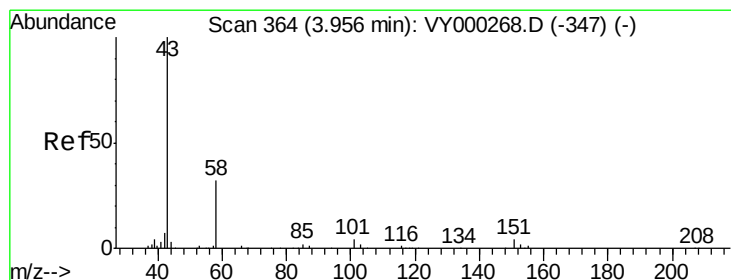
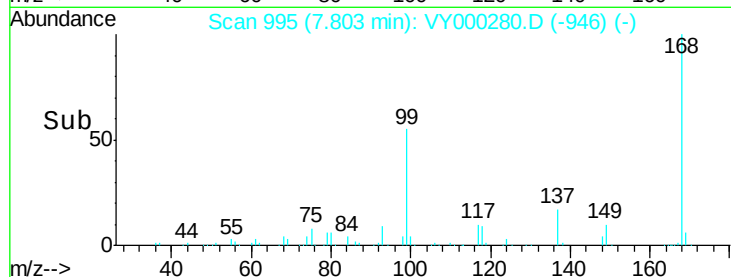
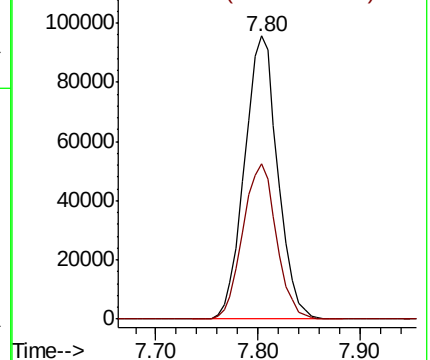
168 100

99 54.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000280.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000280.D (-946) (-)



#16

Acetone

Concen: 12.181 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000280.D

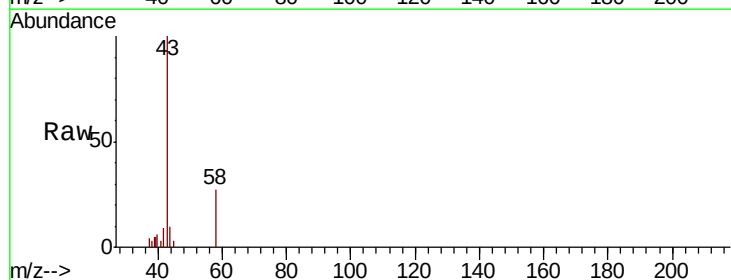
Acq: 11 Oct 2019 18:58

Tgt Ion: 43 Resp: 8996

Ion Ratio Lower Upper

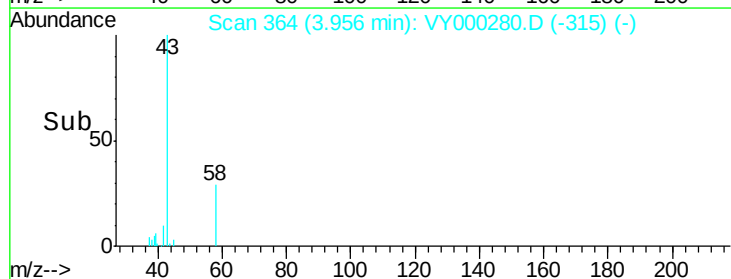
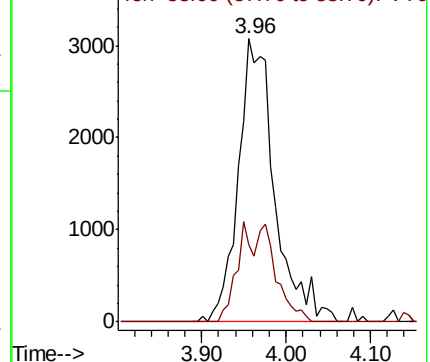
43 100

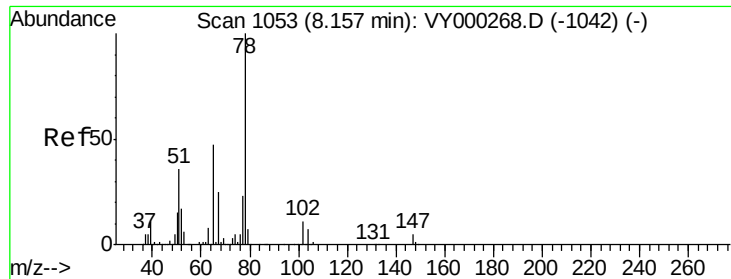
58 27.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000280.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY000280.D (-315) (-)

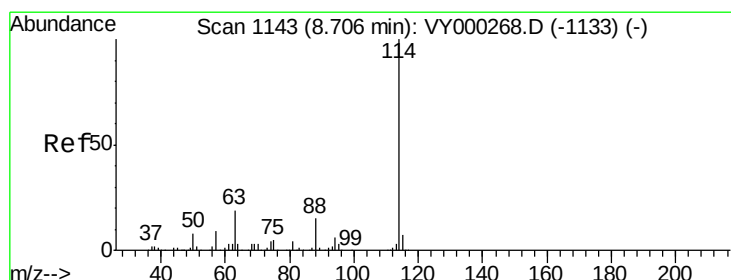
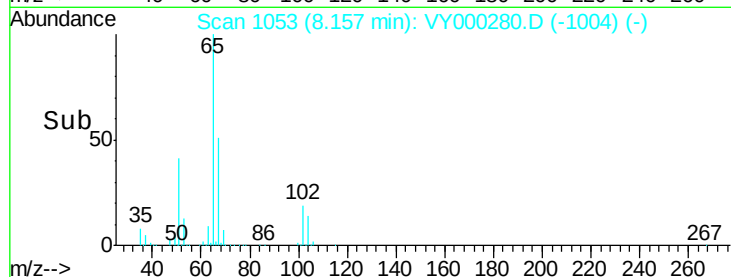
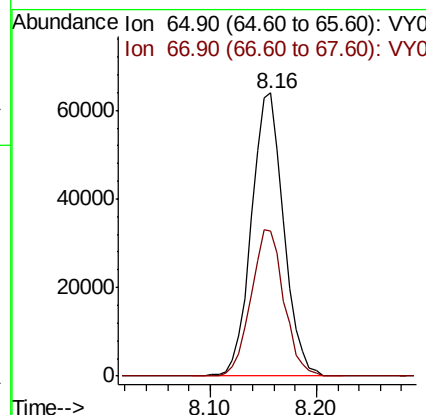
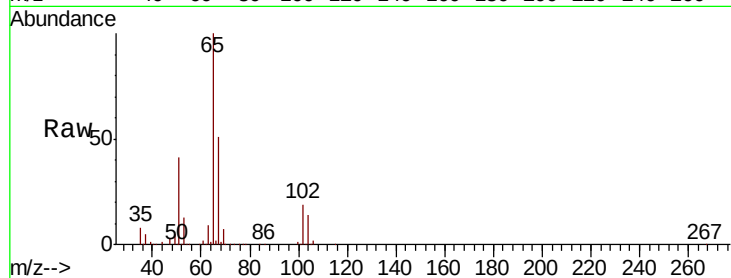




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.547 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VY000280.D  
 Acq: 11 Oct 2019 18:58

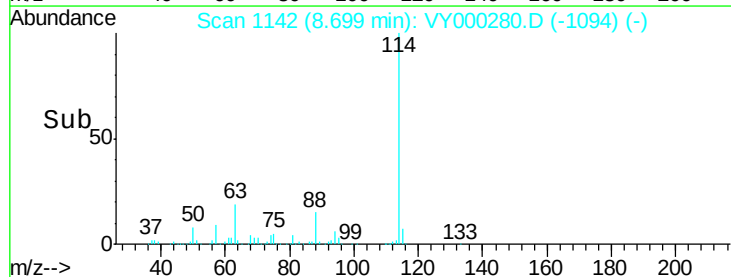
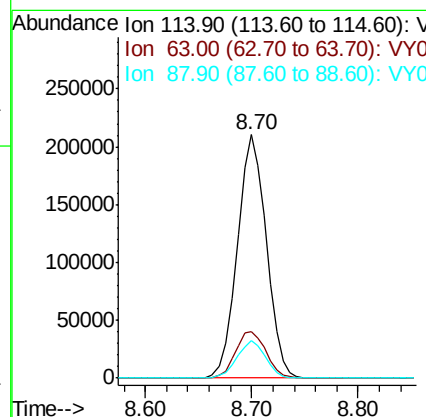
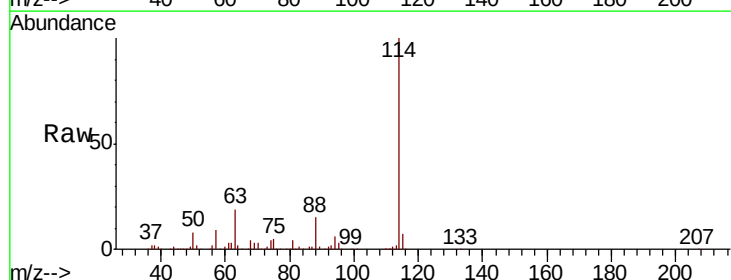
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-10

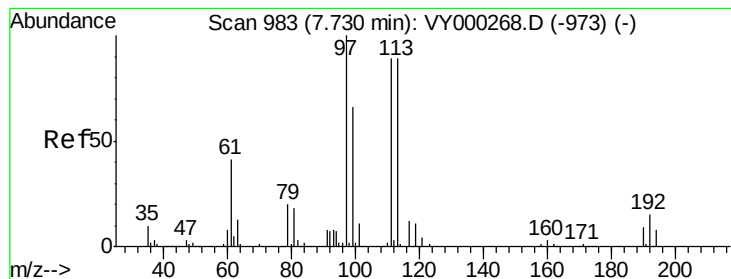
Tot Ion: 65 Resp: 135797  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY000280.D  
 Acq: 11 Oct 2019 18:58

Tgt Ion: 114 Resp: 402303  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 37.2  
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.985 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

Instrument :

MSVOA\_Y

ClientSampleId :

TP-10

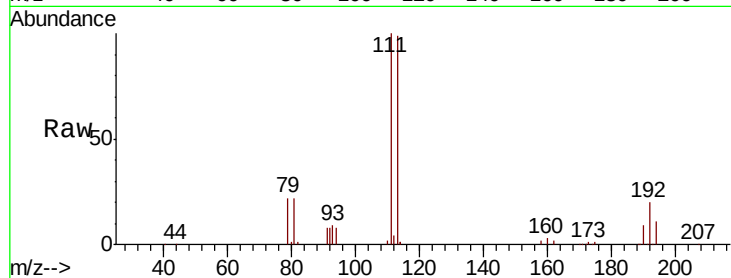
Tot Ion:113 Resp: 118874

Ion Ratio Lower Upper

113 100

111 104.5 81.6 122.4

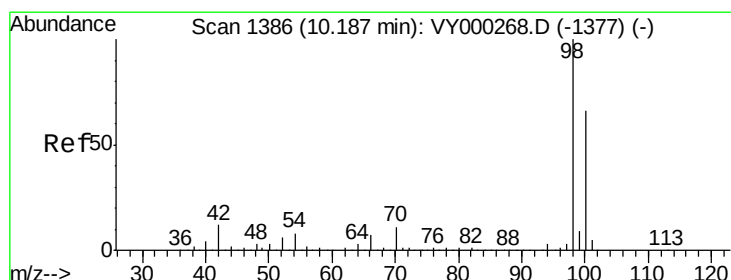
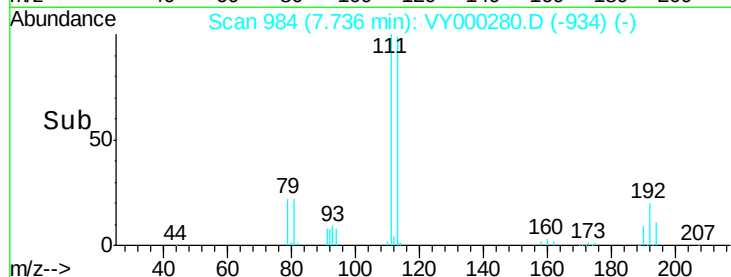
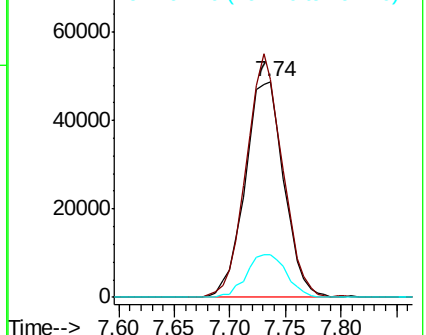
192 20.4 15.3 22.9



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: 48.961 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000280.D

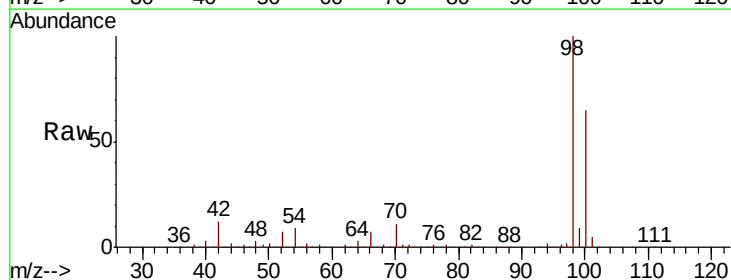
Acq: 11 Oct 2019 18:58

Tgt Ion: 98 Resp: 457053

Ion Ratio Lower Upper

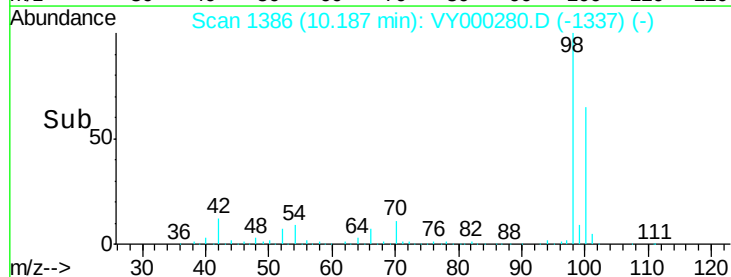
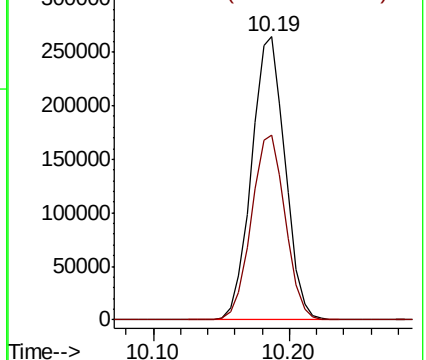
98 100

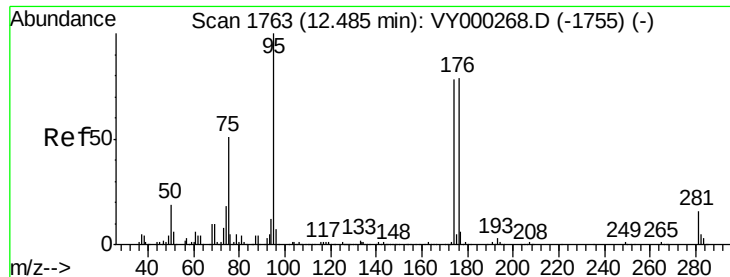
100 66.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

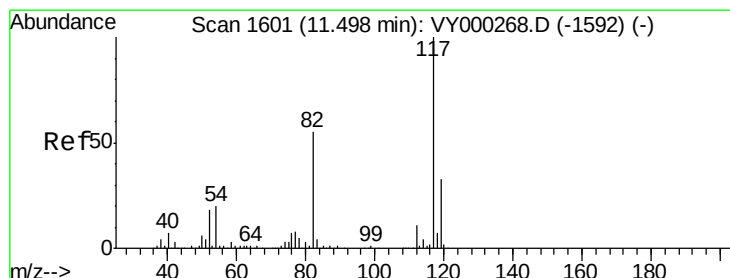
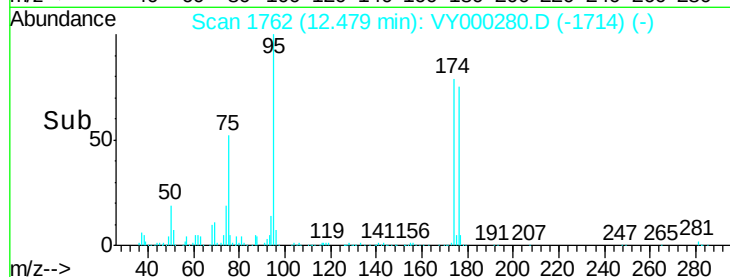
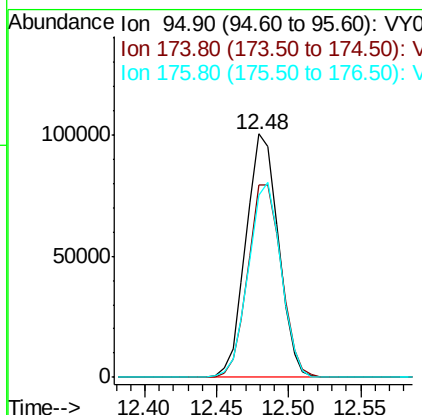
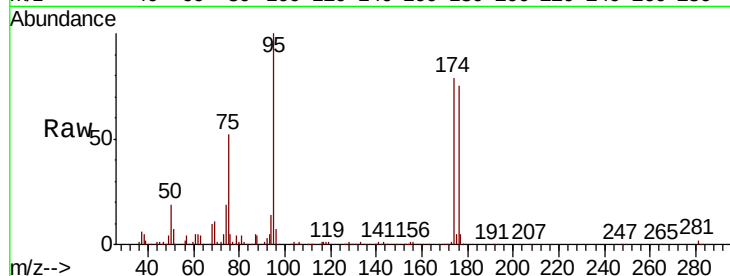




#62  
4-Bromofluorobenzene  
Concen: 44.176 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.01 min  
Lab File: VY000280.D  
Acq: 11 Oct 2019 18:58

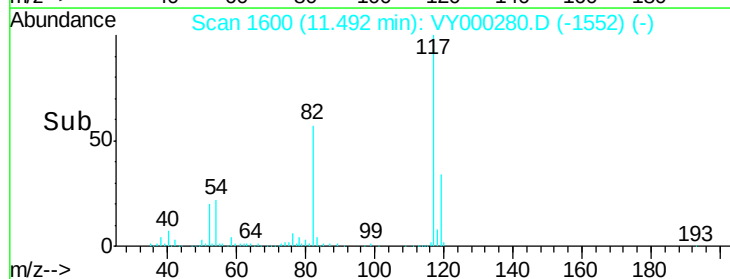
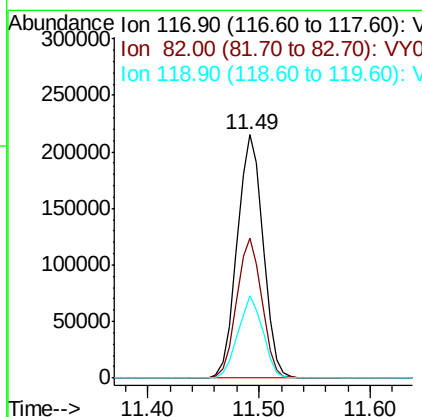
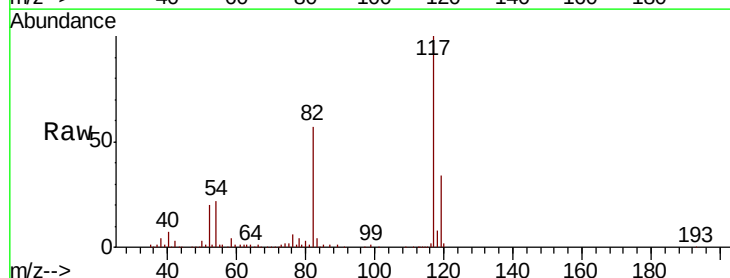
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-10

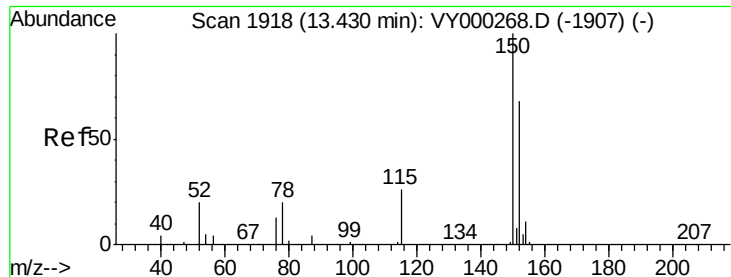
Tot Ion: 95 Resp: 156670  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 159.6  
176 80.1 0.0 153.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000280.D  
Acq: 11 Oct 2019 18:58

Tgt Ion: 117 Resp: 346663  
Ion Ratio Lower Upper  
117 100  
82 57.4 43.7 65.5  
119 34.0 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: VY000280.D  
Acq: 11 Oct 2019 18:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.7  | 29.3  | 88.0  |
| 150     | 155.4 | 0.0   | 348.4 |

