

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\  
 Data File : VY001983.D  
 Acq On : 16 Mar 2020 15:15  
 Operator : SY/MD  
 Sample : L1943-09  
 Misc : 6.65G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 J-B-2(4-5)

Quant Time: Mar 17 08:51:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

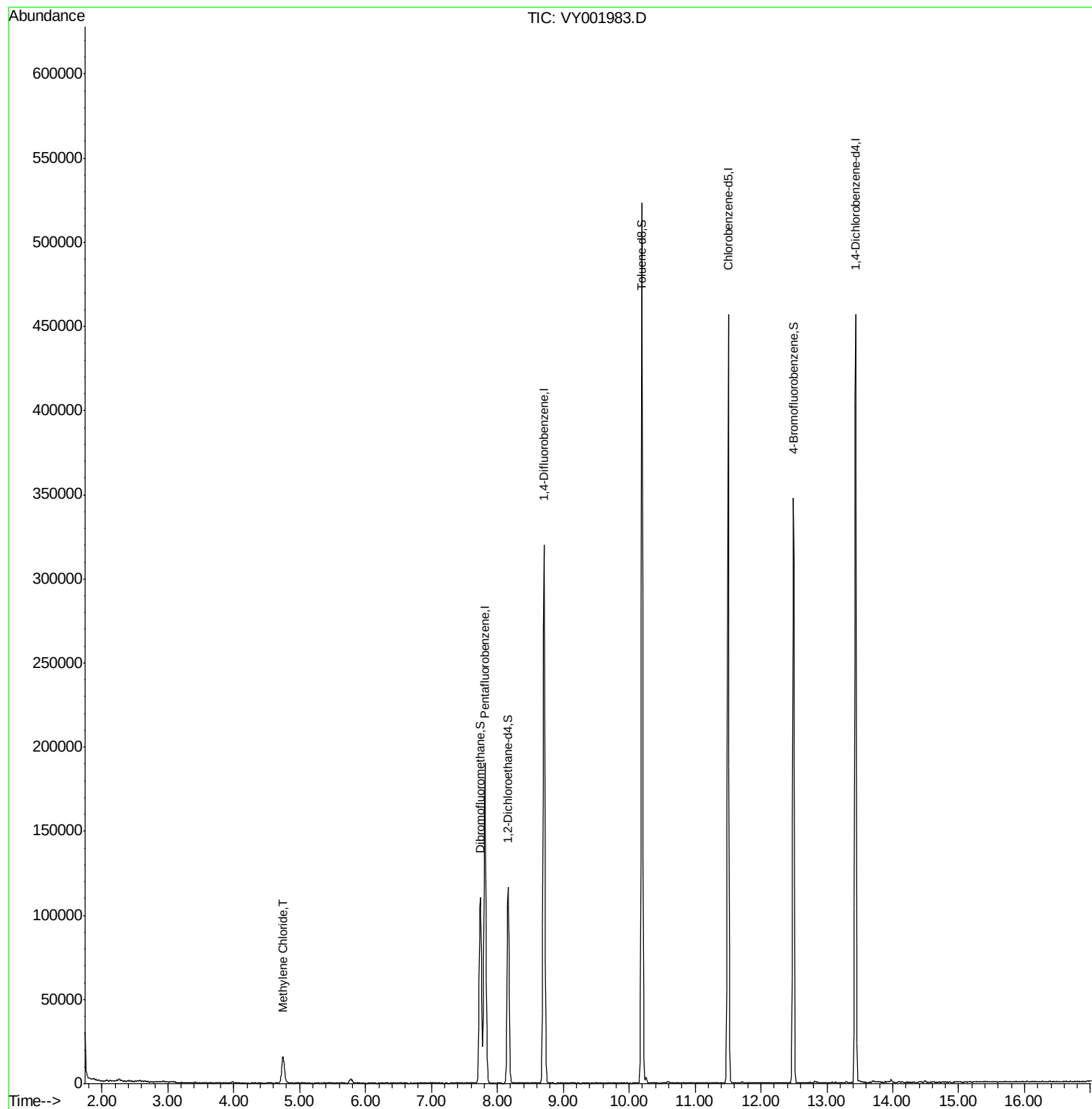
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 140912   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 272146   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 251372   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 111111   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 87158    | 57.94 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.88% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 79392    | 53.43 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.86% |           |
| 50) Toluene-d8              | 10.19 | 98   | 330628   | 52.76 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.52% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 113814   | 52.23 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.46% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.75  | 84   | 11192    | 5.960 | ug/l    | Qvalue 90 |

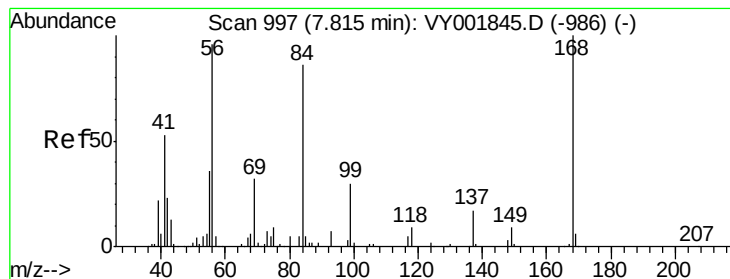
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031620\  
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ClientSampleId :  
J-B-2(4-5)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

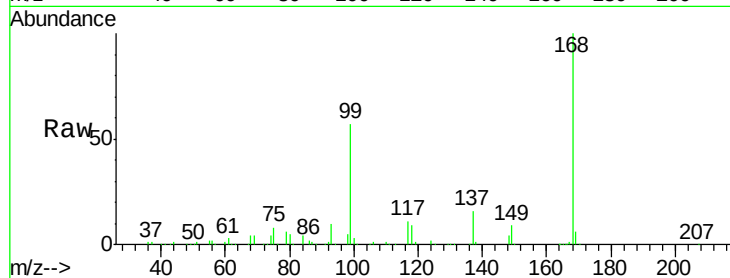
J-B-2(4-5)

Tot Ion:168 Resp: 140912

Ion Ratio Lower Upper

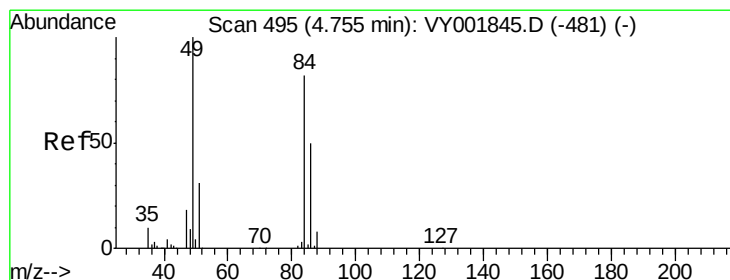
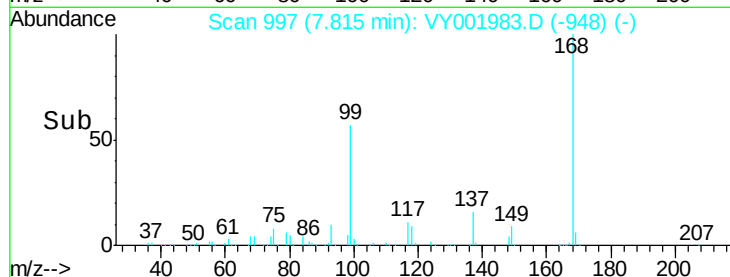
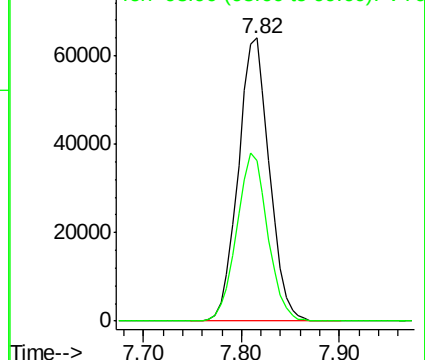
168 100

99 56.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#20

Methylene Chloride

Concen: 5.960 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Tgt Ion: 84 Resp: 11192

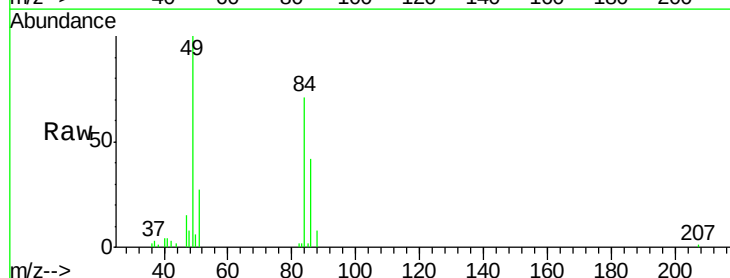
Ion Ratio Lower Upper

84 100

49 140.4 98.2 147.2

51 38.0 30.2 45.2

86 58.9 48.9 73.3

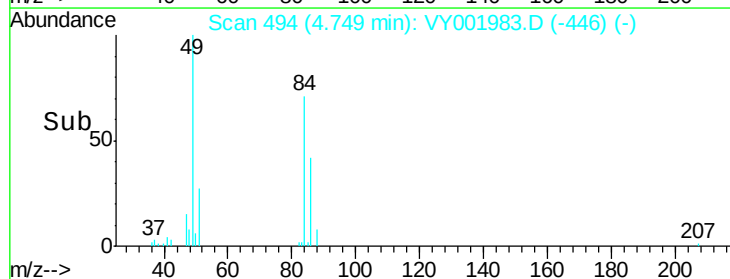
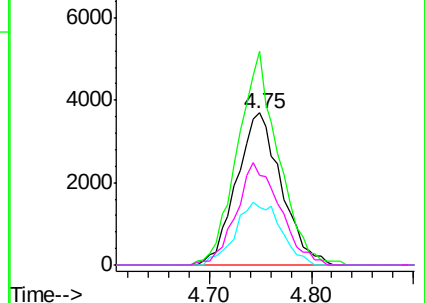


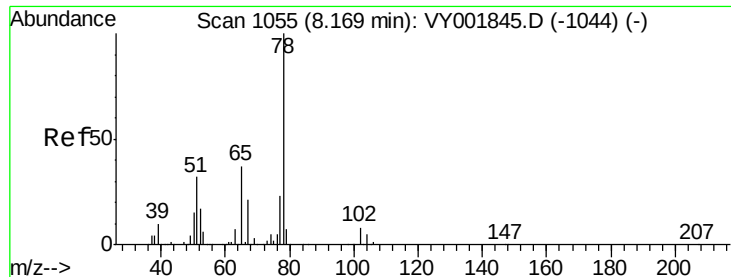
Abundance Ion 83.90 (83.60 to 84.60): VY001845.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VY001845.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VY001845.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VY001845.D (-481) (-)

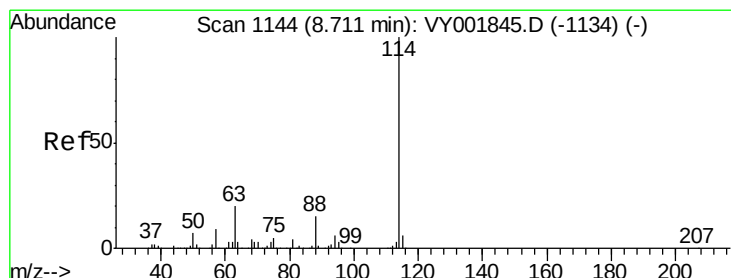
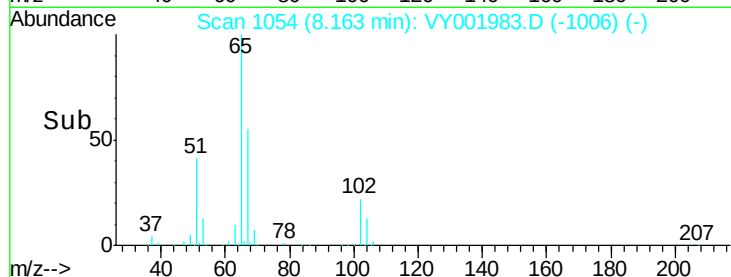
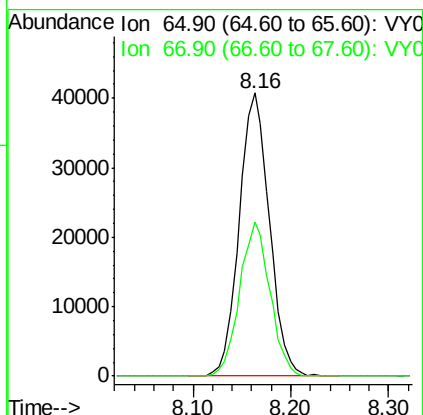
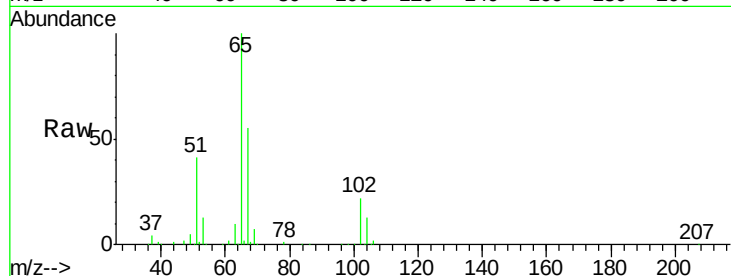




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.938 ug/l  
 RT: 8.16 min Scan# 1054  
 Delta R.T. -0.01 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

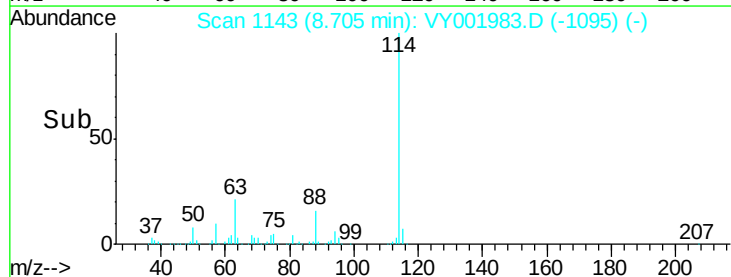
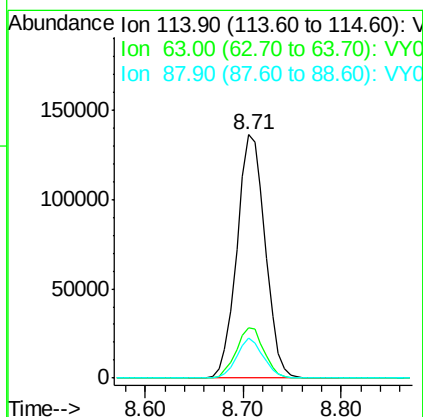
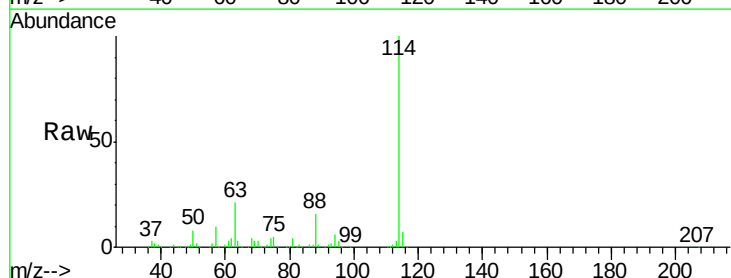
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 J-B-2(4-5)

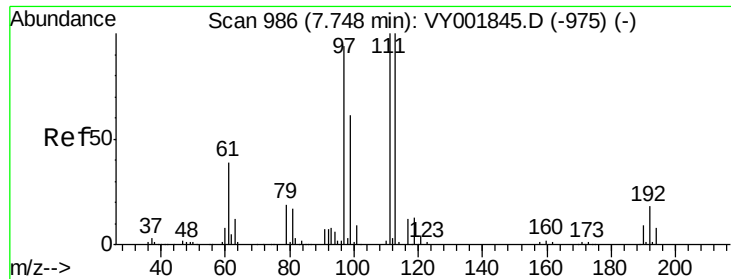
Tot Ion: 65 Resp: 87158  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 110.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

Tgt Ion: 114 Resp: 272146  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 39.4  
 88 16.3 0.0 30.4

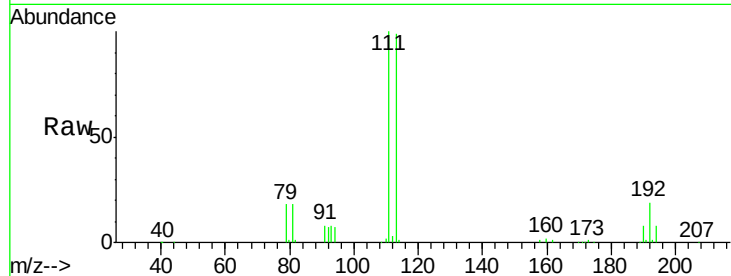




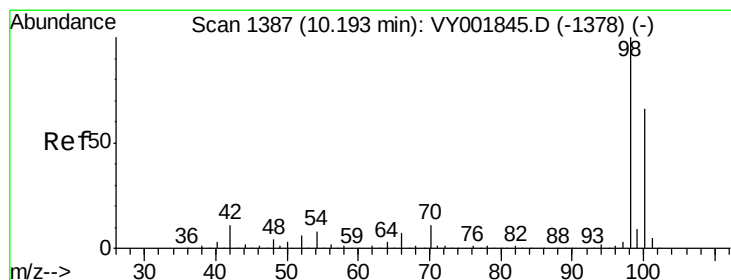
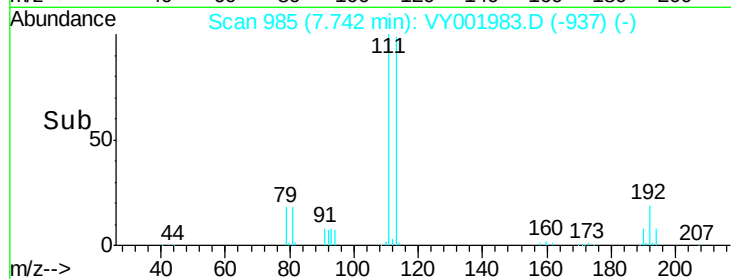
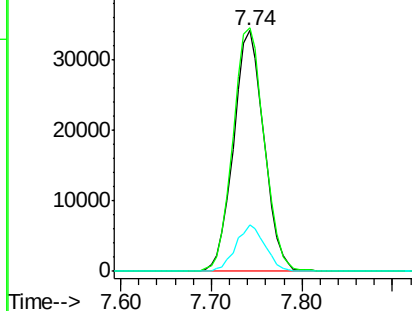
#35  
 Dibromofluoromethane  
 Concen: 53.425 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 J-B-2(4-5)

Tot Ion:113 Resp: 79392  
 Ion Ratio Lower Upper  
 113 100  
 111 103.9 81.8 122.8  
 192 18.6 14.2 21.2

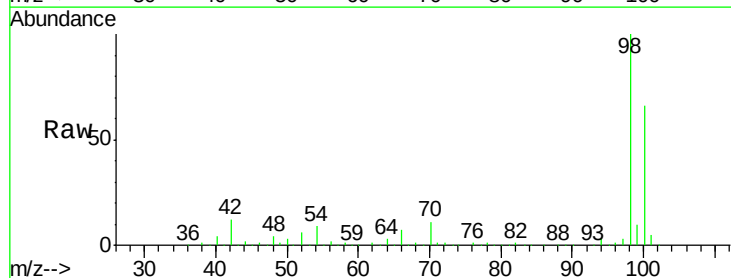


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

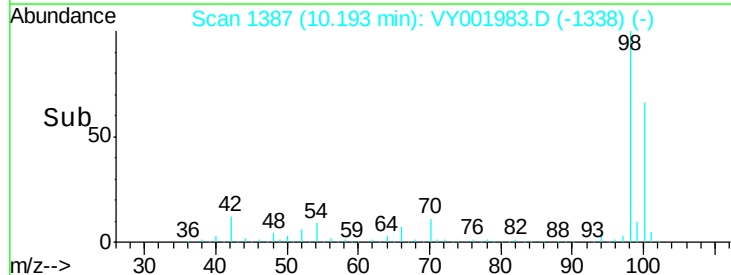
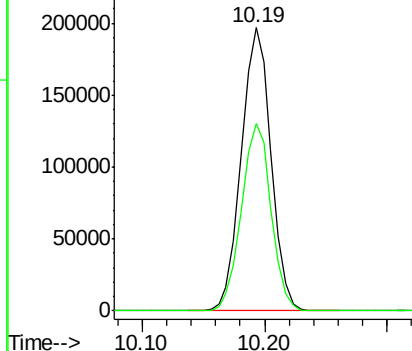


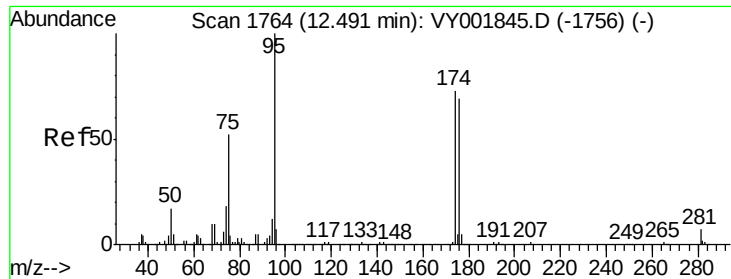
#50  
 Toluene-d8  
 Concen: 52.762 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. 0.00 min  
 Lab File: VY001983.D  
 Acq: 16 Mar 2020 15:15

Tgt Ion: 98 Resp: 330628  
 Ion Ratio Lower Upper  
 98 100  
 100 66.0 53.0 79.4



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

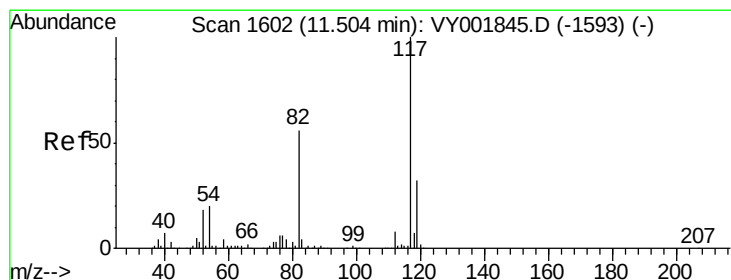
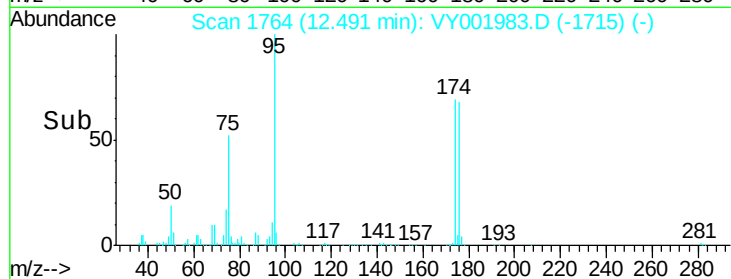
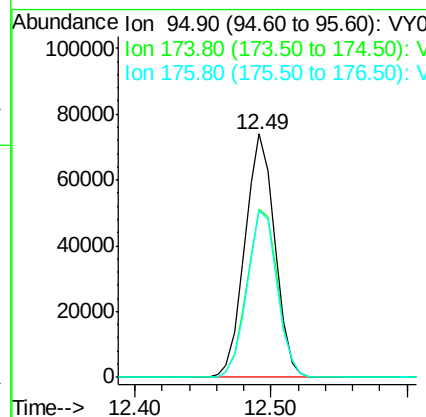
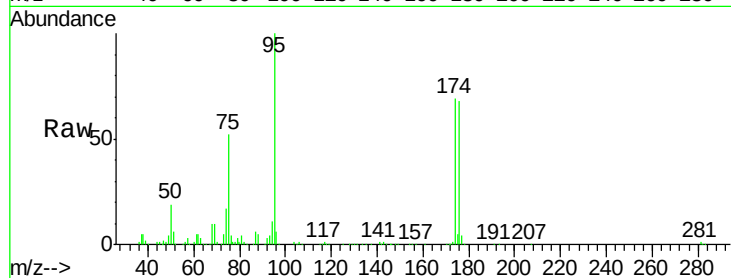




#62  
4-Bromofluorobenzene  
Concen: 52.235 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VY001983.D  
Acq: 16 Mar 2020 15:15

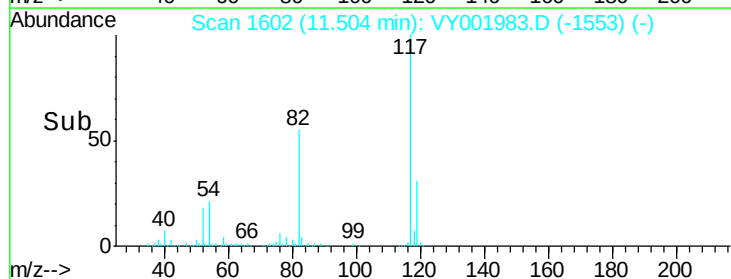
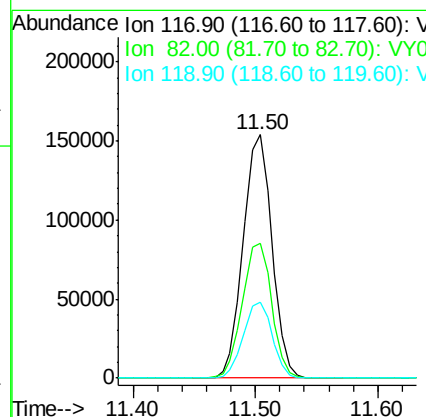
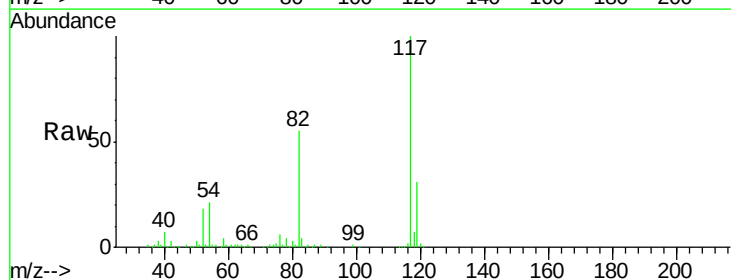
Instrument :  
MSVOA\_Y  
ClientSampleId :  
J-B-2(4-5)

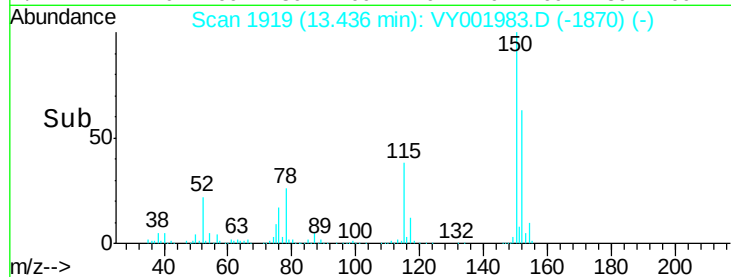
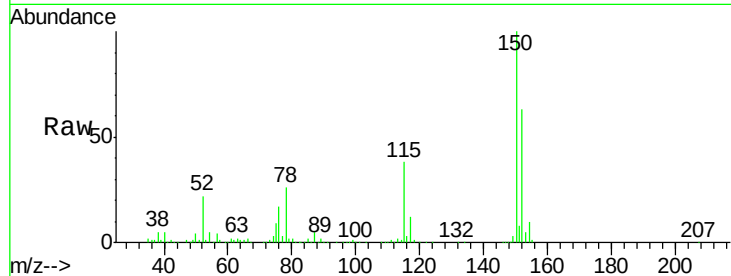
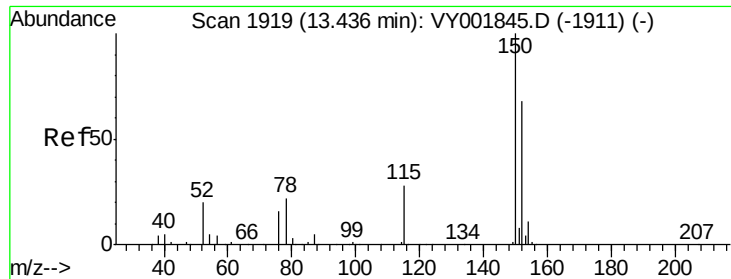
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 71.0  | 0.0   | 145.0 |
| 176     | 68.8  | 0.0   | 137.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: VY001983.D  
Acq: 16 Mar 2020 15:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.4  | 44.5  | 66.7  |
| 119     | 31.2  | 25.7  | 38.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001983.D

Acq: 16 Mar 2020 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

J-B-2(4-5)

Tot Ion:152 Resp: 111111

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.7

150 157.3 0.0 340.6

