

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\  
 Data File : VY002026.D  
 Acq On : 19 Mar 2020 17:24  
 Operator : SY/MD  
 Sample : L1749-01  
 Misc : 6.34G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BU-02-031920

Quant Time: Mar 20 04:55:38 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

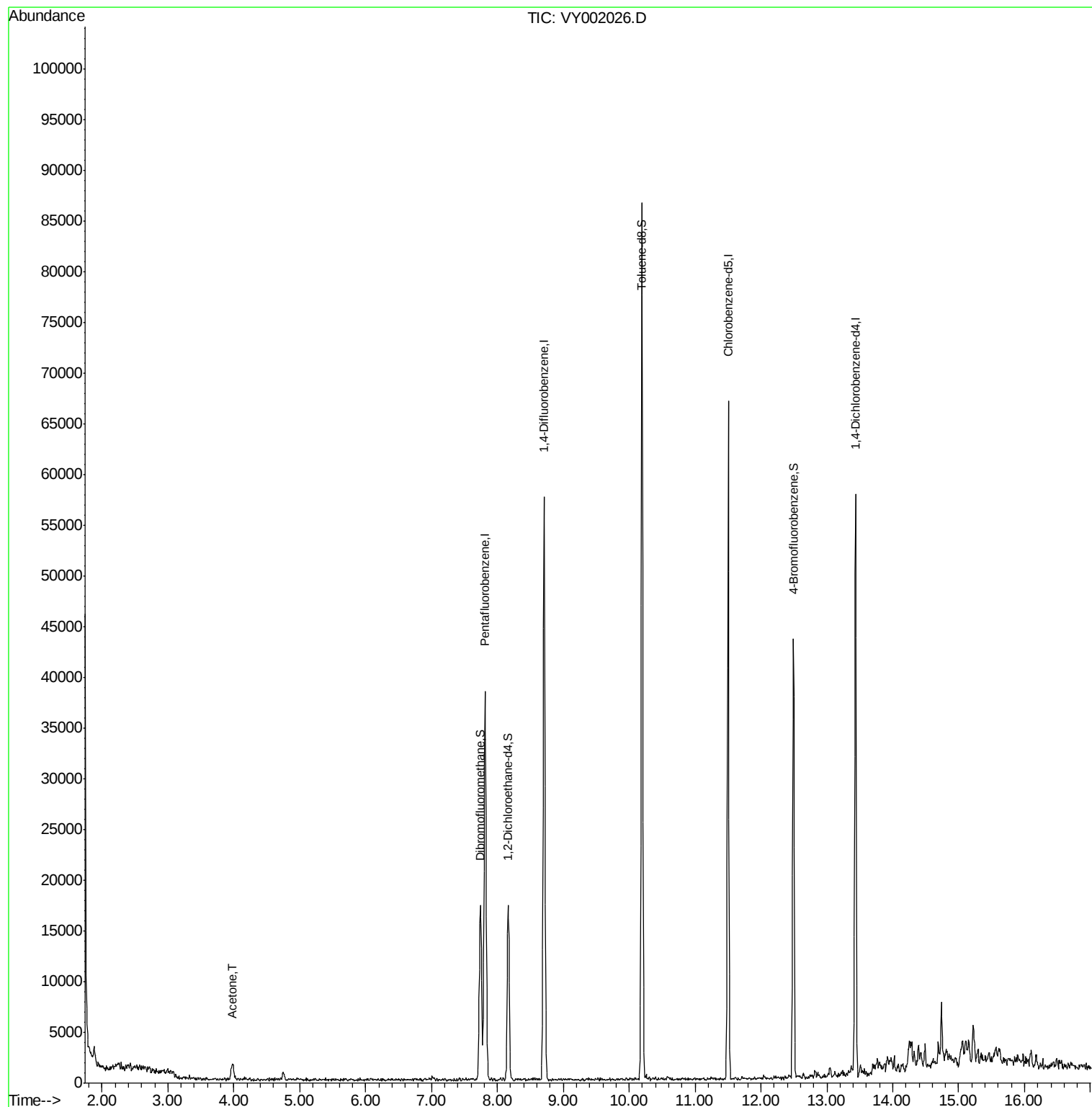
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 28386    | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 48914    | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 34497    | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 13098    | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 12892    | 42.54  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.08% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 12711    | 47.59  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.18% |           |
| 50) Toluene-d8              | 10.19 | 98   | 55554    | 49.33  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.66% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 14699    | 37.53  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.06% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 3.97  | 43   | 2858     | 32.380 | ug/l   | Qvalue 96 |

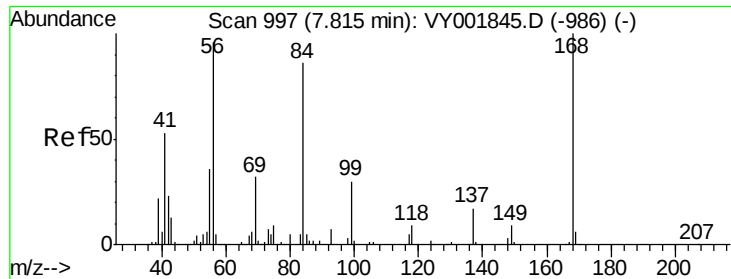
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031920\  
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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: VY002026.D

Acq: 19 Mar 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

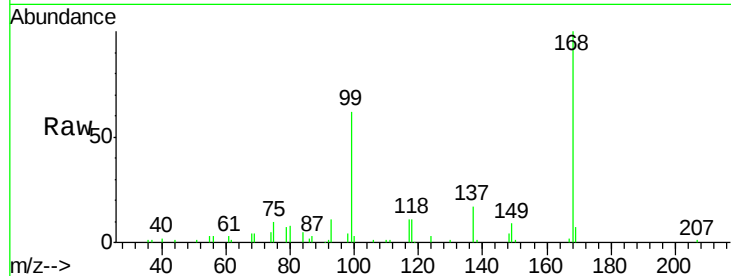
BU-02-031920

Tot Ion:168 Resp: 28386

Ion Ratio Lower Upper

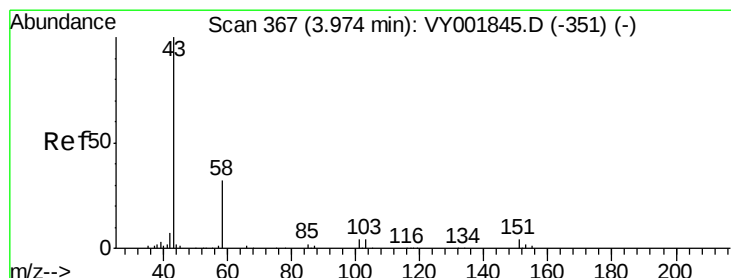
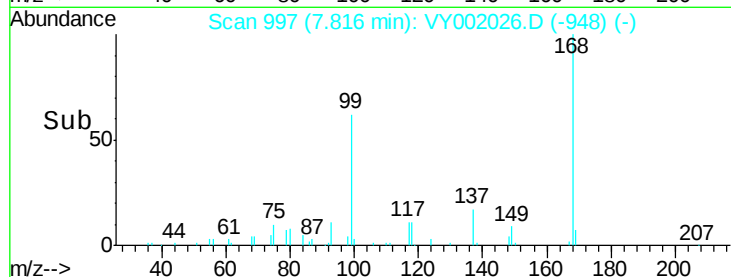
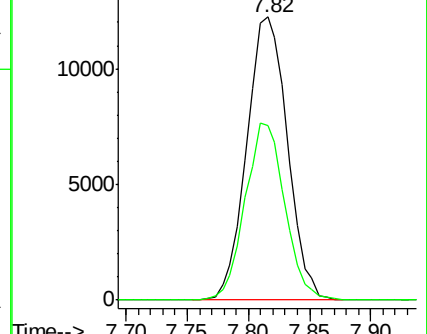
168 100

99 61.8 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) (-)



#16

Acetone

Concen: 32.380 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002026.D

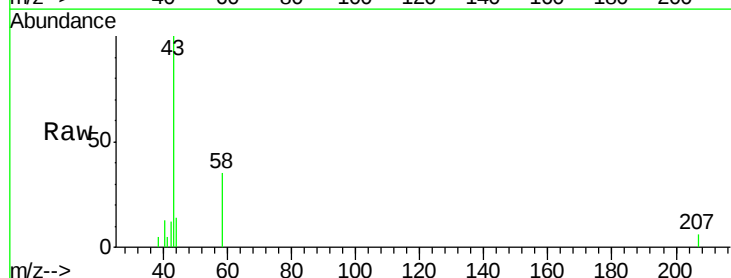
Acq: 19 Mar 2020 17:24

Tgt Ion: 43 Resp: 2858

Ion Ratio Lower Upper

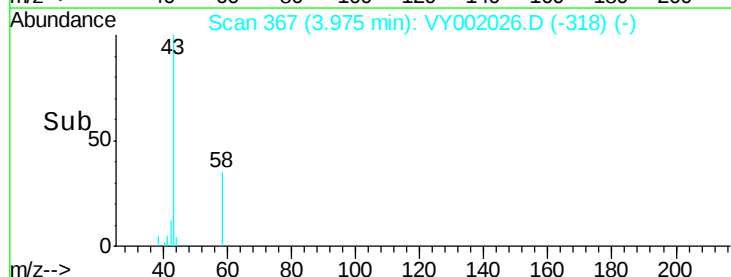
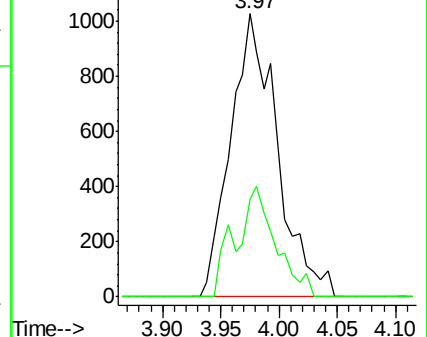
43 100

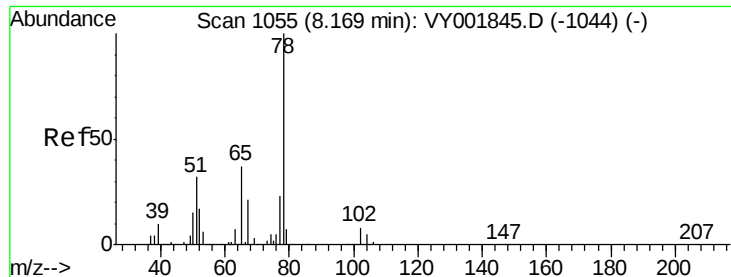
58 34.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)





#33

1,2-Dichloroethane-d4

Concen: 42.542 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002026.D

Acq: 19 Mar 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

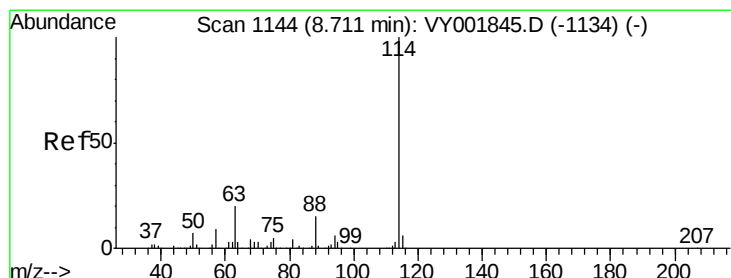
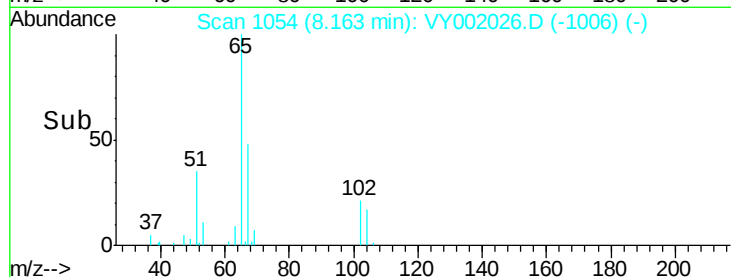
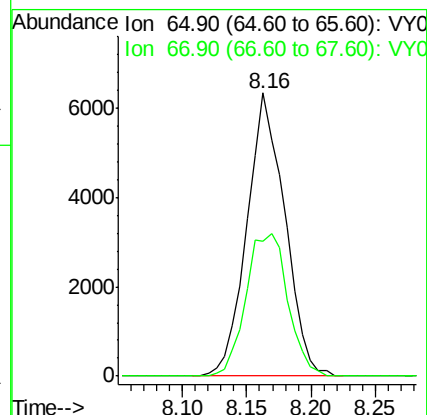
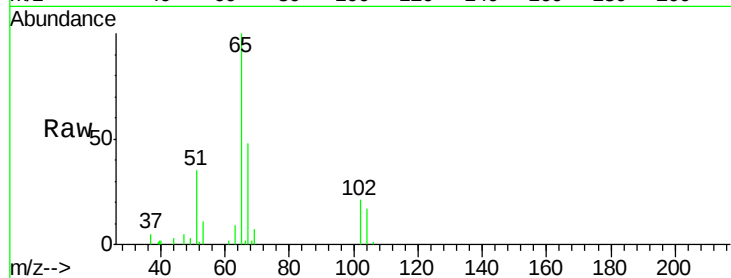
BU-02-031920

Tot Ion: 65 Resp: 12892

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002026.D

Acq: 19 Mar 2020 17:24

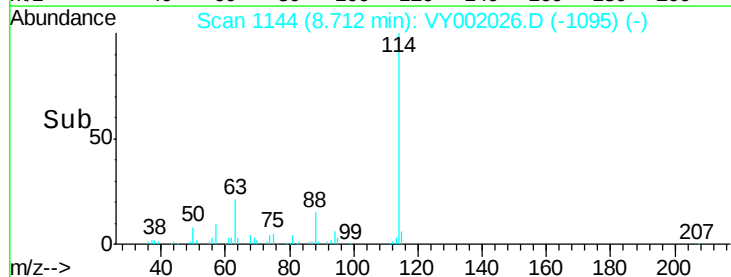
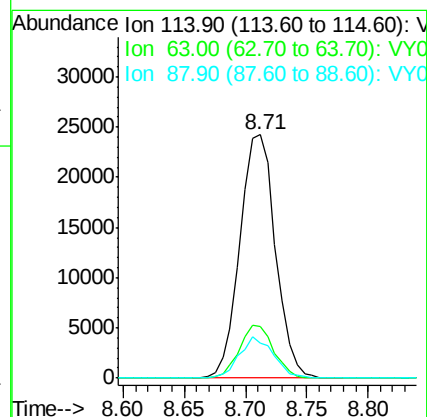
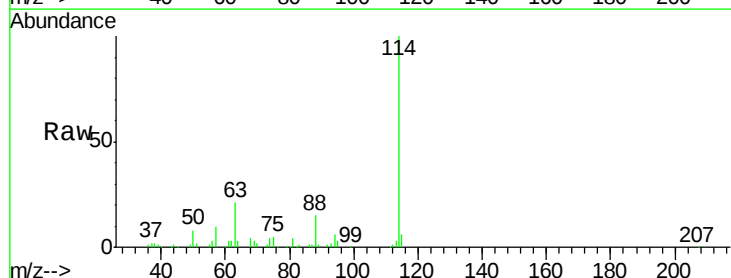
Tgt Ion: 114 Resp: 48914

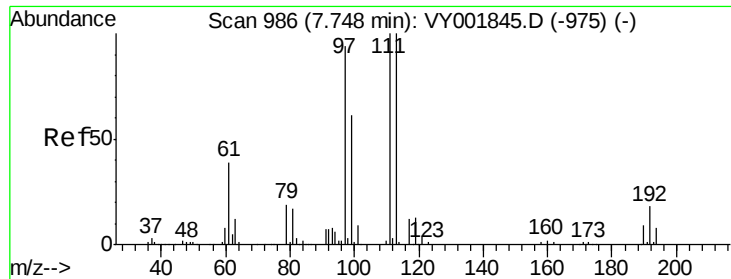
Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.4

88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.590 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002026.D

Acq: 19 Mar 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

BU-02-031920

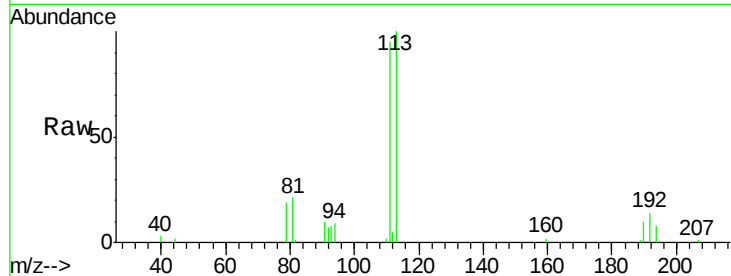
Tot Ion:113 Resp: 12711

Ion Ratio Lower Upper

113 100

111 100.0 81.8 122.8

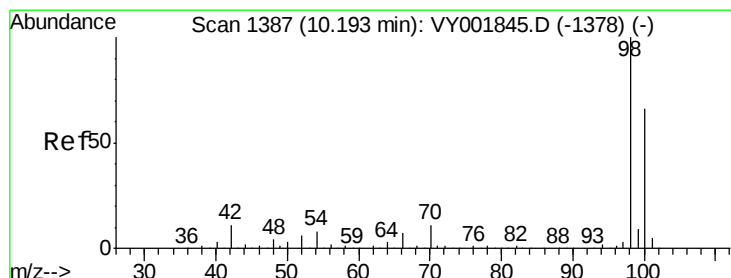
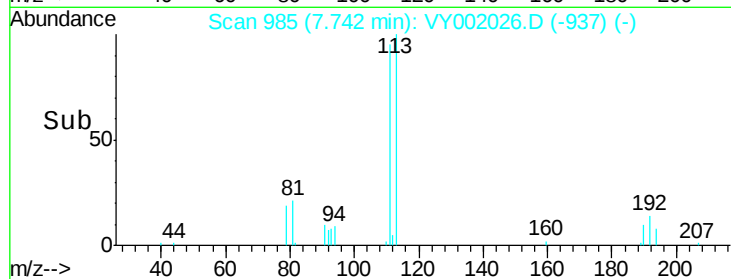
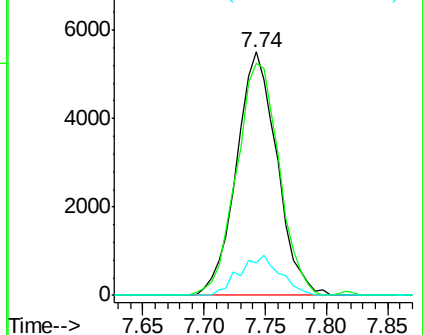
192 16.5 14.2 21.2



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: 49.325 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002026.D

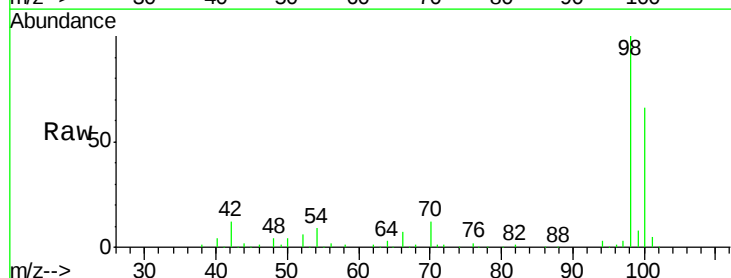
Acq: 19 Mar 2020 17:24

Tgt Ion: 98 Resp: 55554

Ion Ratio Lower Upper

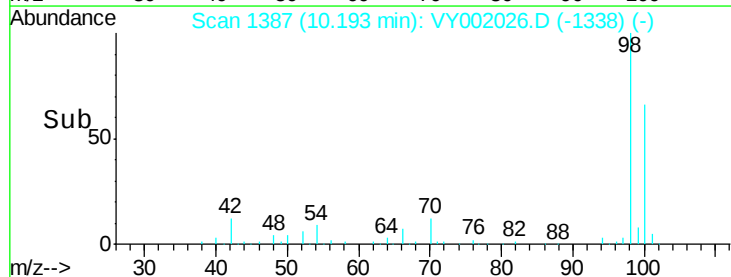
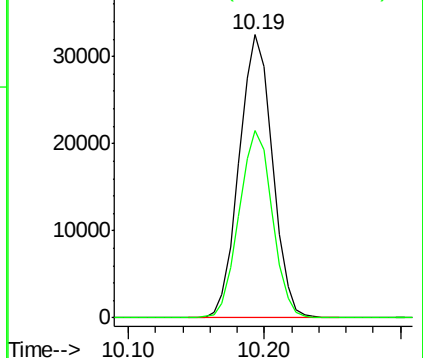
98 100

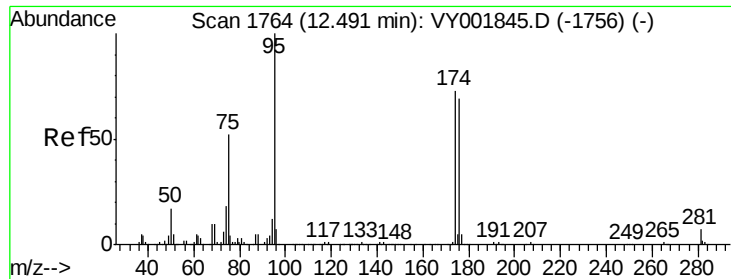
100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

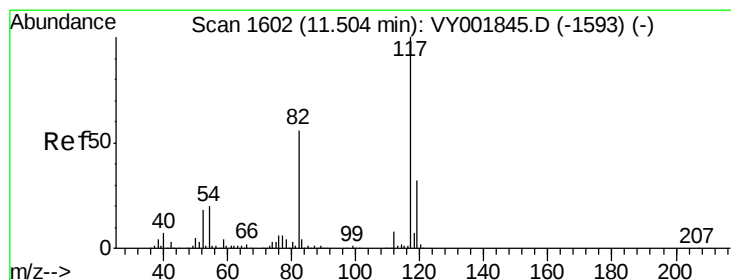
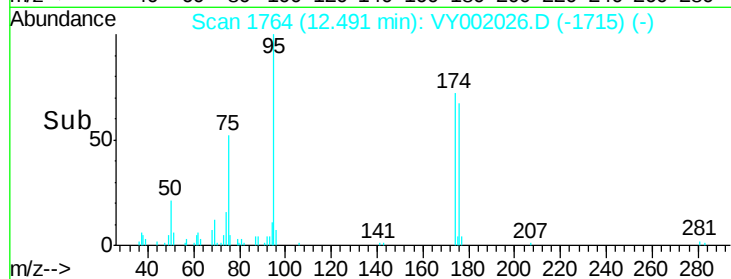
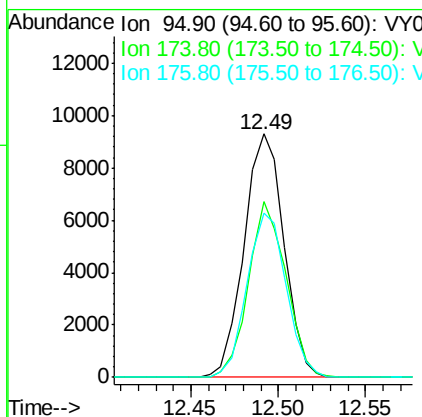
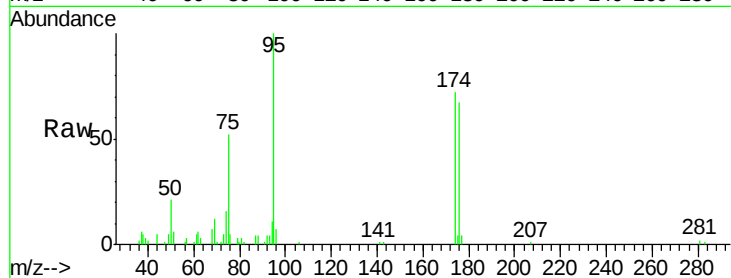




#62  
4-Bromofluorobenzene  
Concen: 37.534 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VY002026.D  
Acq: 19 Mar 2020 17:24

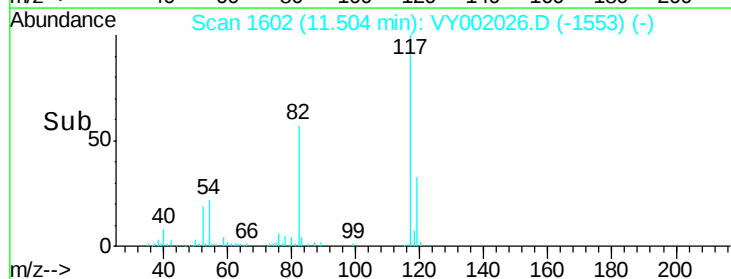
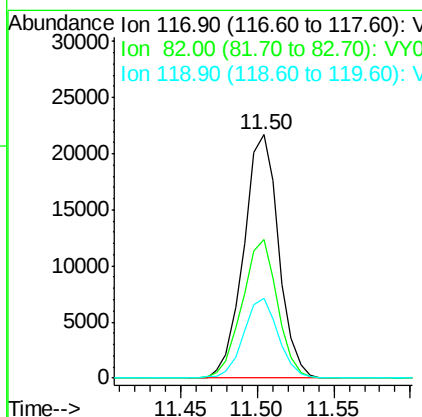
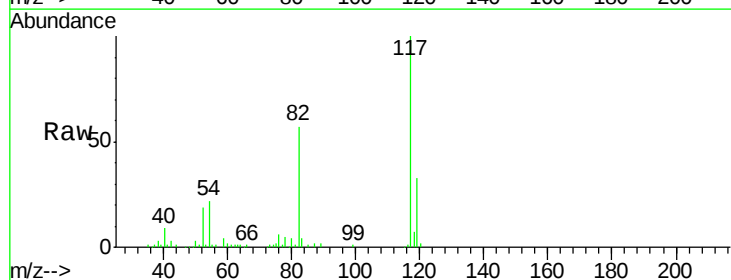
Instrument :  
MSVOA\_Y  
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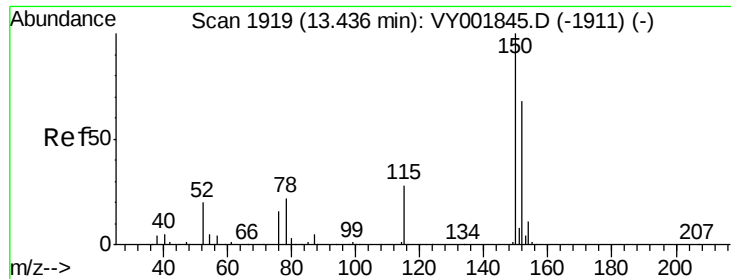
| Tot Ion   | 95    | Resp  | 14699 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 68.1  | 0.0   | 145.0 |
| 176       | 66.6  | 0.0   | 137.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: VY002026.D  
Acq: 19 Mar 2020 17:24

| Tgt Ion   | 117   | Resp  | 34497 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 56.9  | 44.5  | 66.7  |
| 119       | 33.0  | 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: VY002026.D

Acq: 19 Mar 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

BU-02-031920

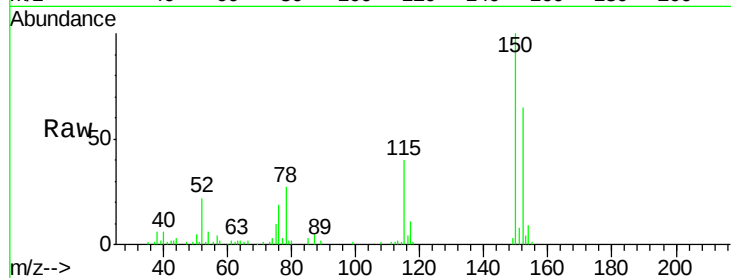
Tot Ion:152 Resp: 13098

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.7

150 160.9 0.0 340.6



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

