

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\  
 Data File : VY001744.D  
 Acq On : 21 Feb 2020 15:49  
 Operator : SY/MD  
 Sample : L1623-09  
 Misc : 6.14G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 22 03:43:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 12:19:53 2020  
 Response via : Initial Calibration

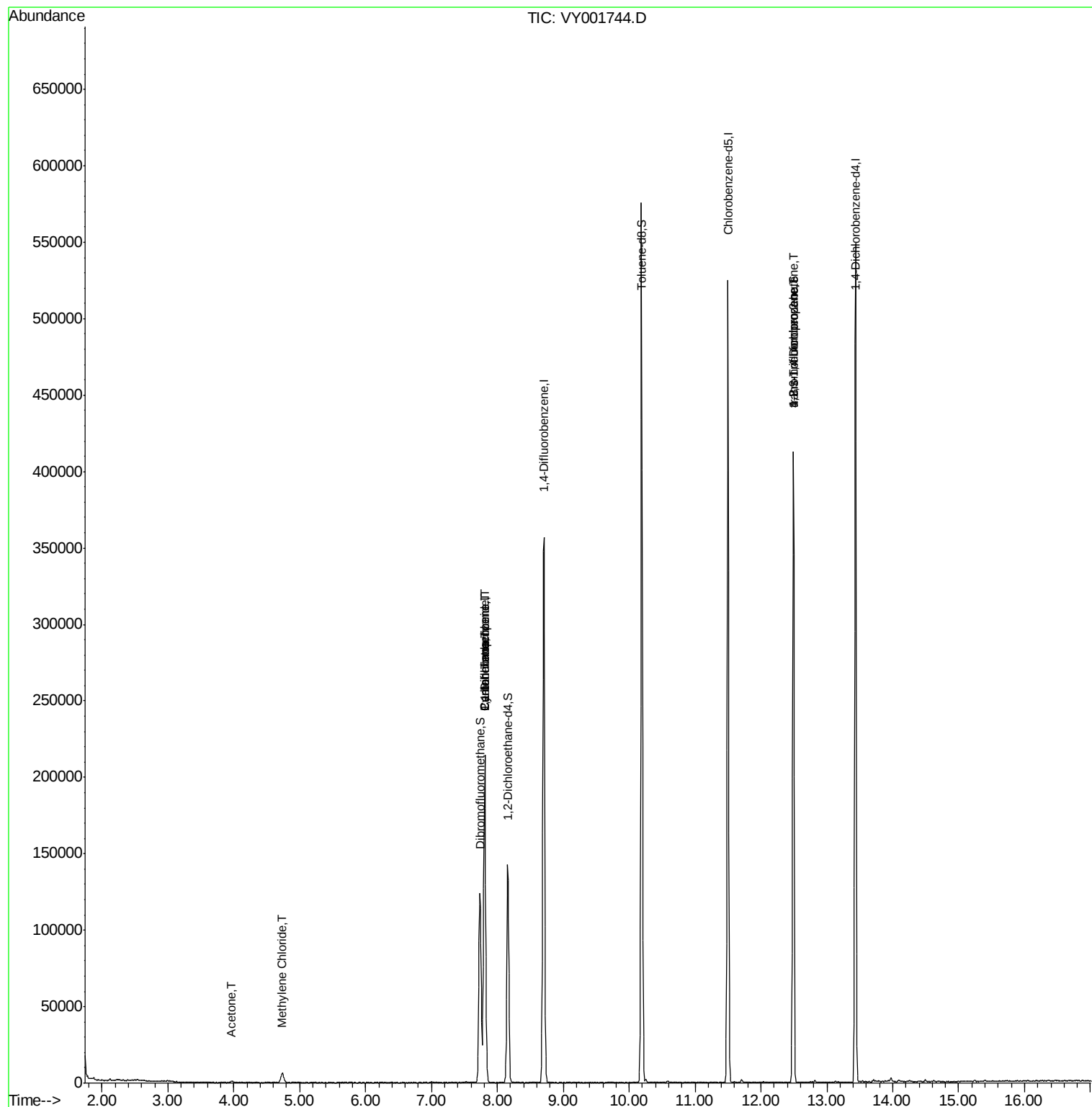
| Internal Standards             | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.81   | 168  | 161992   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.71   | 114  | 303272   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.50  | 117  | 281537   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.44  | 152  | 128690   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.16   | 65   | 105051   | 60.29  | ug/l    | -0.01    |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 120.58% |          |
| 35) Dibromofluoromethane       | 7.74   | 113  | 88966    | 51.22  | ug/l    | -0.01    |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 102.44% |          |
| 50) Toluene-d8                 | 10.19  | 98   | 372931   | 54.80  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 109.60% |          |
| 62) 4-Bromofluorobenzene       | 12.49  | 95   | 132007   | 49.93  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 99.86%  |          |
| Target Compounds               |        |      |          |        |         |          |
| 16) Acetone                    | 3.96   | 43   | 1612     | 2.674  | ug/l    | 99       |
| 20) Methylene Chloride         | 4.74   | 84   | 4699     | 2.194  | ug/l #  | 88       |
| 31) Cyclohexane                | 7.81   | 56   | 3777     | 1.032  | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.80   | 75   | 13718    | 4.736  | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.81   | 117  | 16580    | 6.516  | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.49  | 75   | 67597    | 45.790 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49  | 75   | 67597    | 86.871 | ug/l #  | 17       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\  
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Operator : SY/MD  
Sample : L1623-09  
Misc : 6.14G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Feb 22 03:43:33 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 17 12:19:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001744.D

Acq: 21 Feb 2020 15:49

Instrument :

MSVOA\_Y

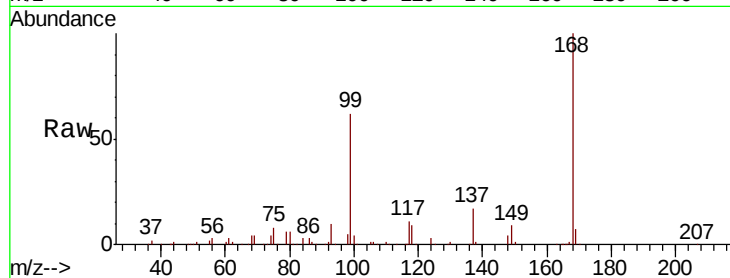
ClientSampleId :

Tot Ion:168 Resp: 161992

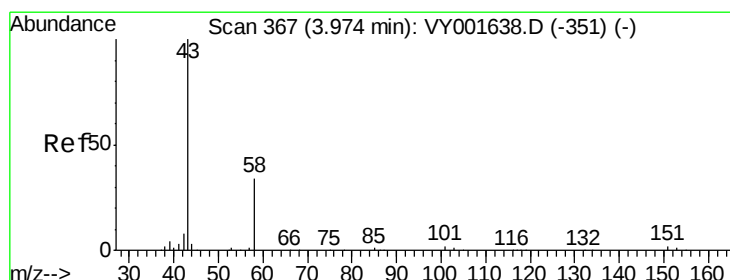
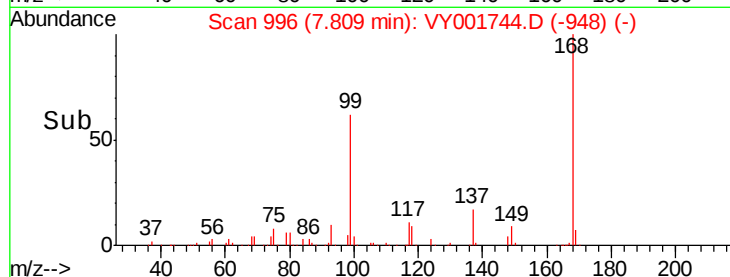
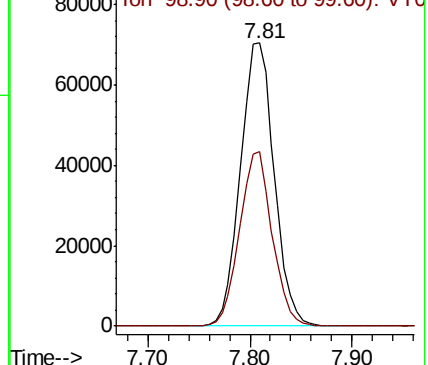
Ion Ratio Lower Upper

168 100

99 61.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#16

Acetone

Concen: 2.674 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001744.D

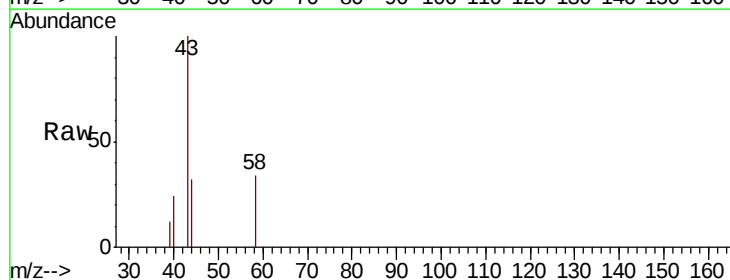
Acq: 21 Feb 2020 15:49

Tgt Ion: 43 Resp: 1612

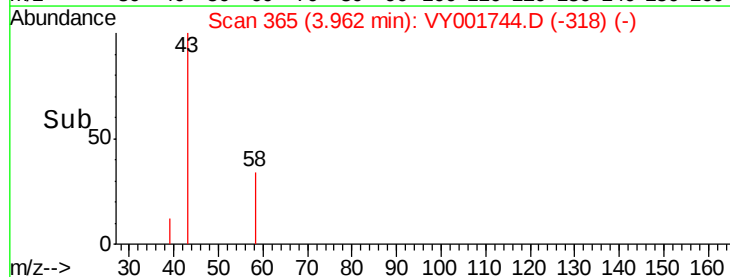
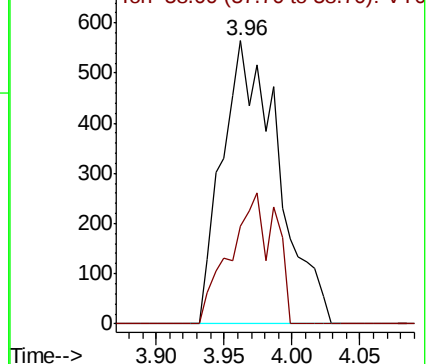
Ion Ratio Lower Upper

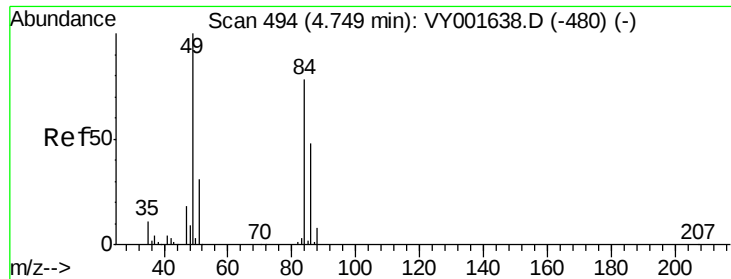
43 100

58 34.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

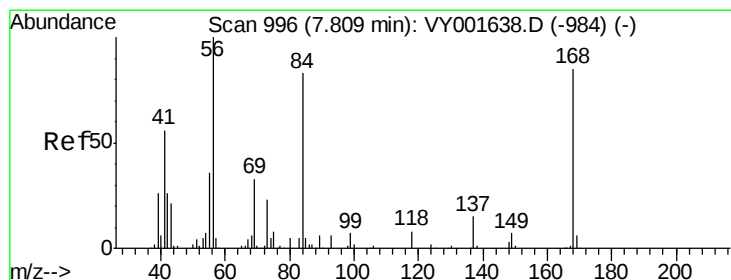
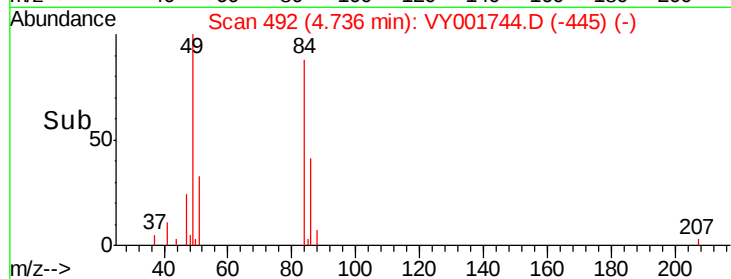
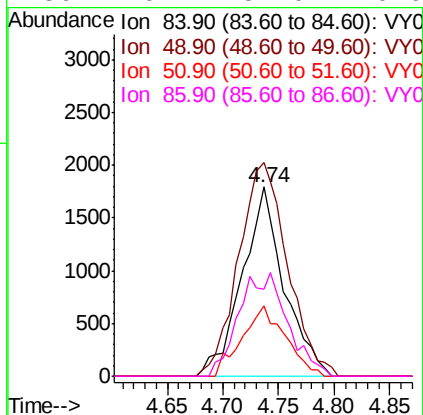
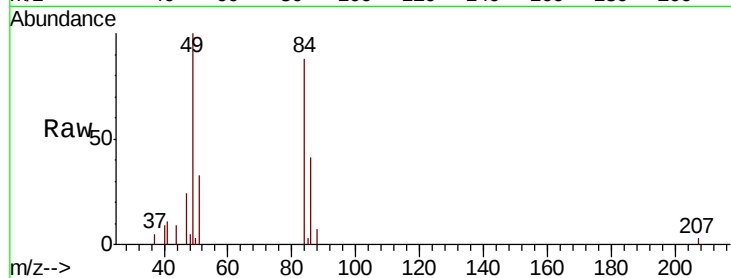




#20  
Methylene Chloride  
Concen: 2.194 ug/l  
RT: 4.74 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

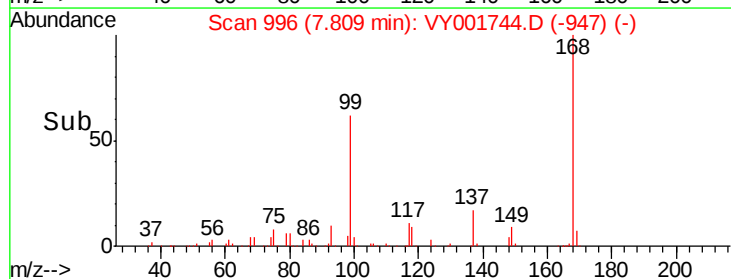
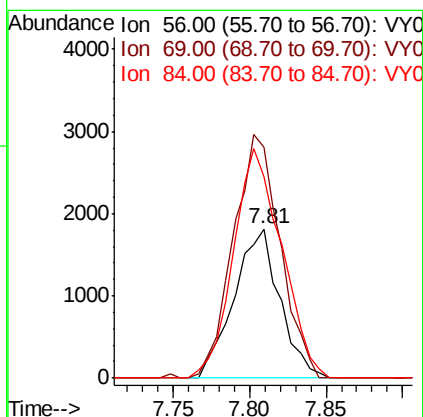
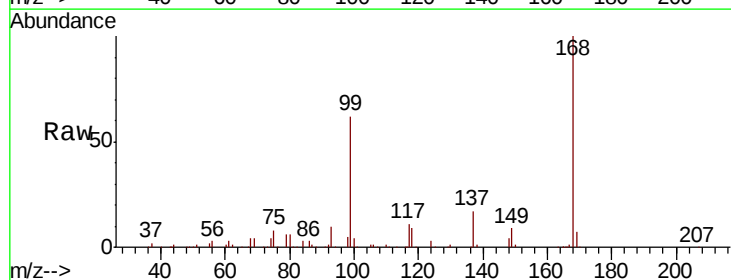
Instrument :  
MSVOA\_Y  
ClientSampleId :

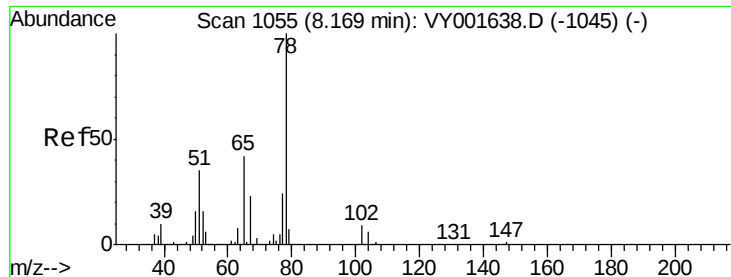
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 4699  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.0 | 99.2  | 148.8 |
| 51       | 37.3  | 31.5  | 47.3  |
| 86       | 46.1  | 51.0  | 76.6# |



#31  
Cyclohexane  
Concen: 1.032 ug/l  
RT: 7.81 min Scan# 996  
Delta R.T. -0.00 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3777   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 154.9 | 25.1  | 37.7#  |
| 84       | 135.2 | 66.9  | 100.3# |

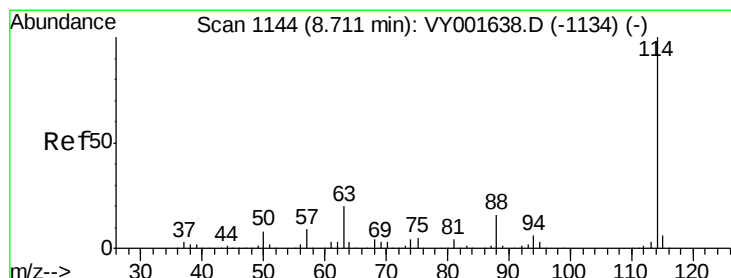
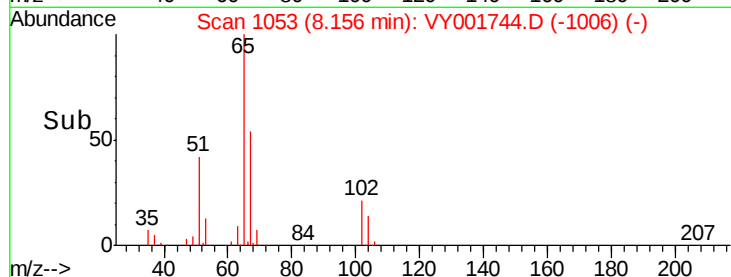
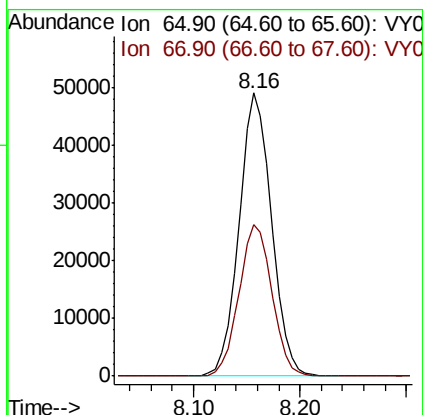
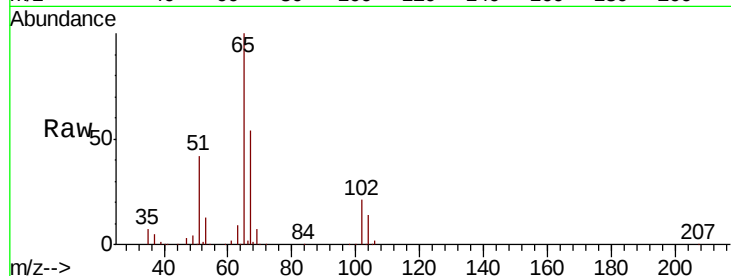




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.289 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VY001744.D  
 Acq: 21 Feb 2020 15:49

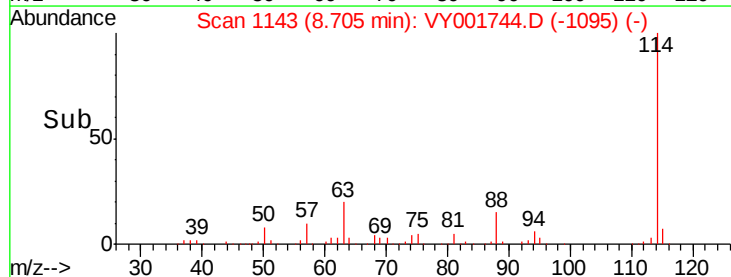
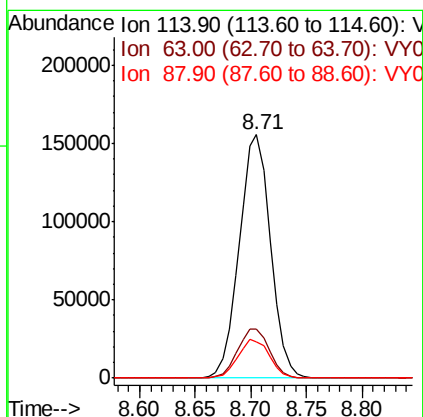
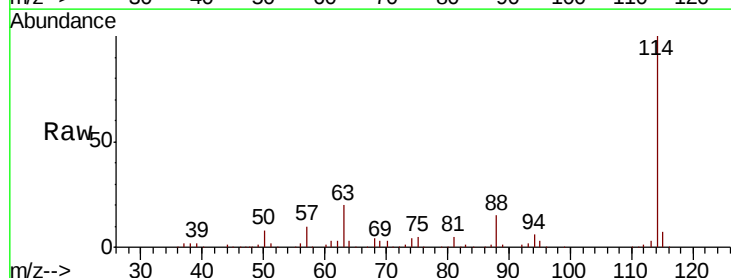
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

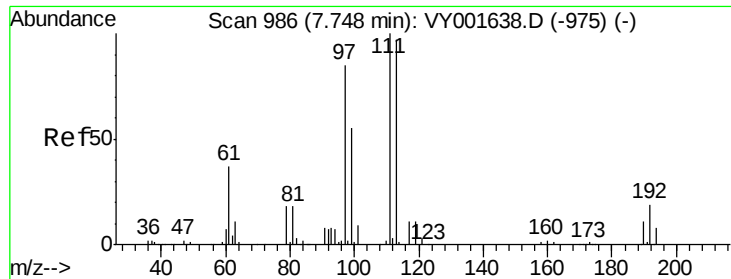
Tot Ion: 65 Resp: 105051  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY001744.D  
 Acq: 21 Feb 2020 15:49

Tgt Ion: 114 Resp: 303272  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.4  
 88 14.9 0.0 32.8

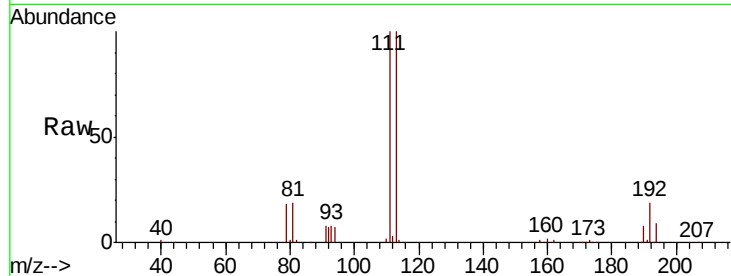




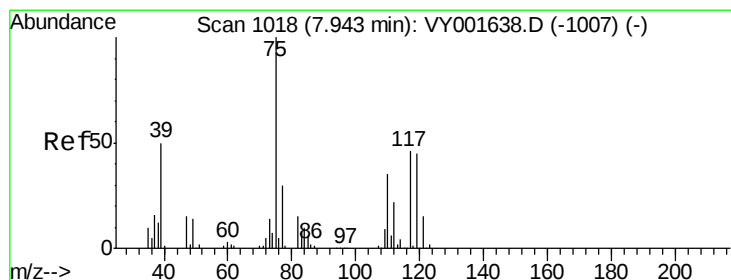
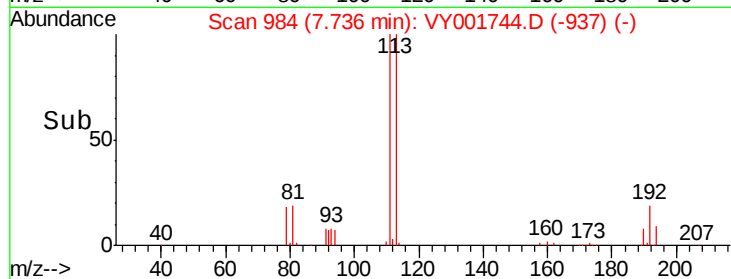
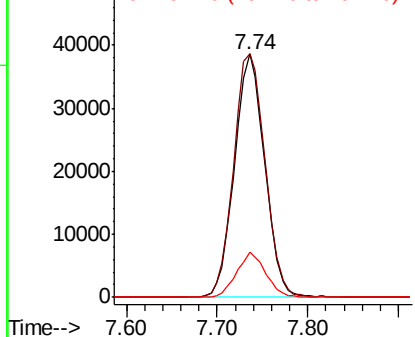
#35  
 Dibromofluoromethane  
 Concen: 51.218 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: VY001744.D  
 Acq: 21 Feb 2020 15:49

Instrument :  
 MSVOA\_Y  
 ClientSampled :

Tot Ion:113 Resp: 88966  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 81.9 122.9  
 192 17.9 14.3 21.5

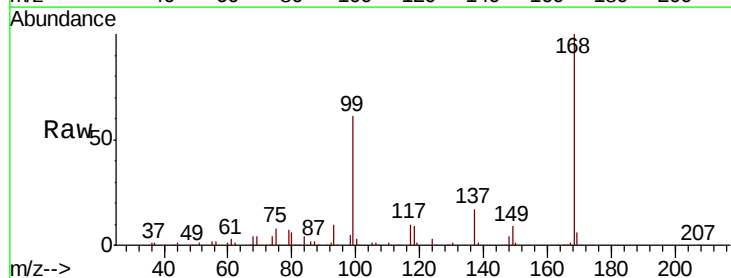


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

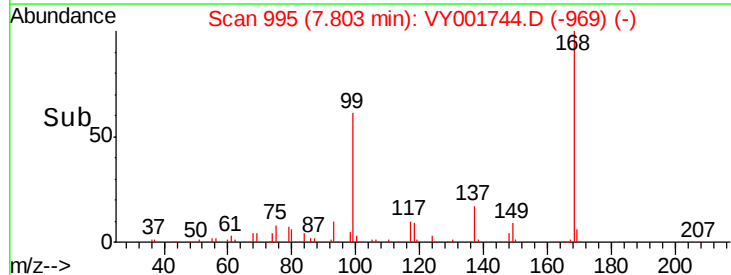
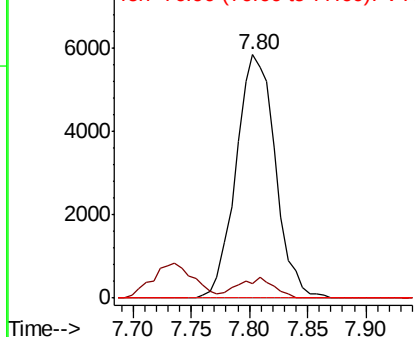


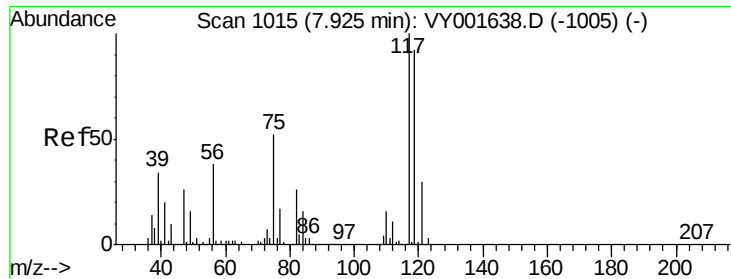
#36  
 1,1-Dichloropropene  
 Concen: 4.736 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.14 min  
 Lab File: VY001744.D  
 Acq: 21 Feb 2020 15:49

Tgt Ion: 75 Resp: 13718  
 Ion Ratio Lower Upper  
 75 100  
 110 7.7 17.2 51.6#  
 77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VY0

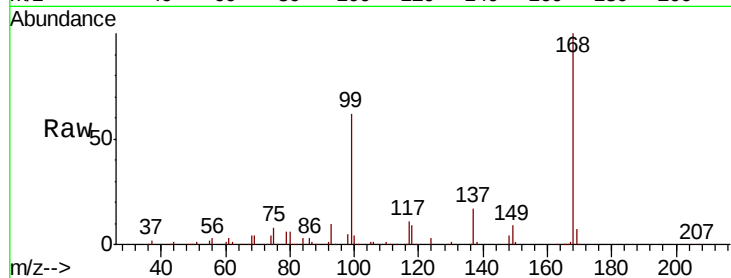




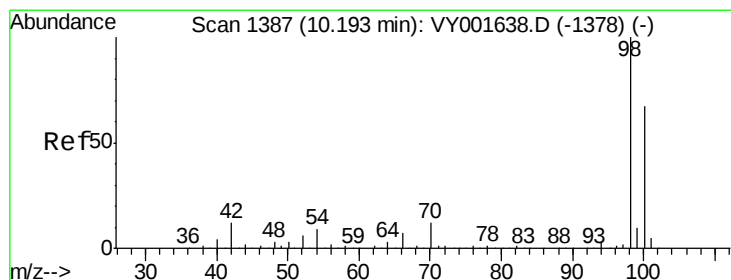
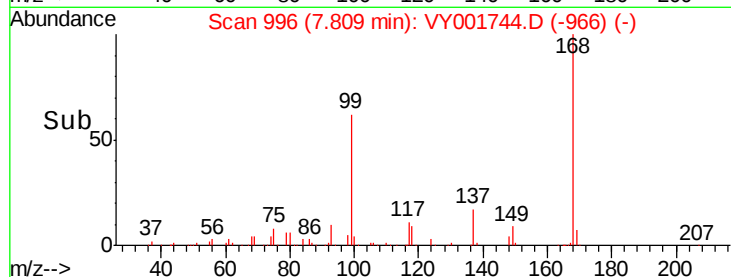
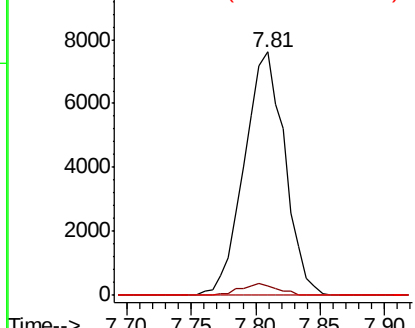
#38  
Carbon Tetrachloride  
Concen: 6.516 ug/l  
RT: 7.81 min Scan# 996  
Delta R.T. -0.12 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion:117 Resp: 16580  
Ion Ratio Lower Upper  
117 100  
119 3.6 74.8 112.2#  
121 0.0 23.8 35.6#

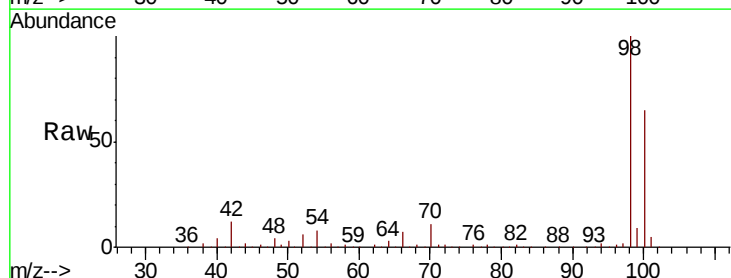


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

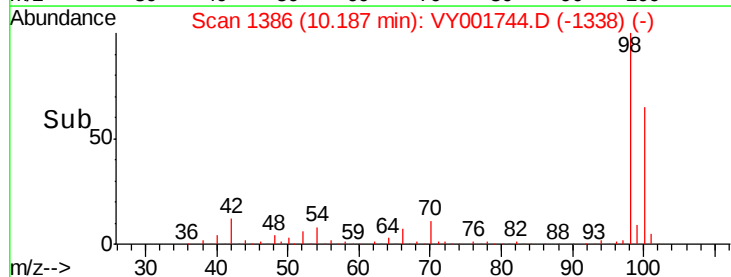
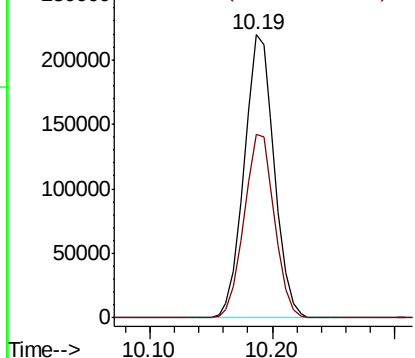


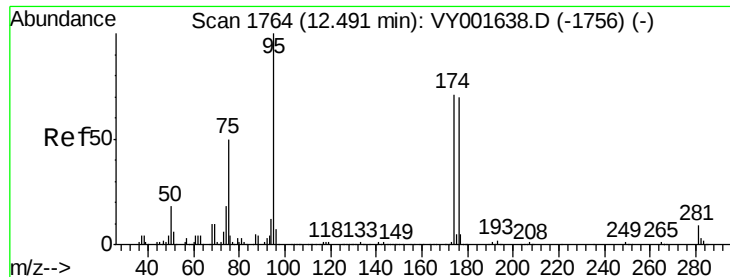
#50  
Toluene-d8  
Concen: 54.802 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.01 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

Tgt Ion: 98 Resp: 372931  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.0 79.4



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

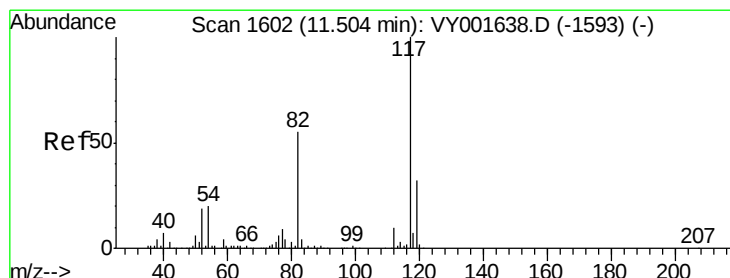
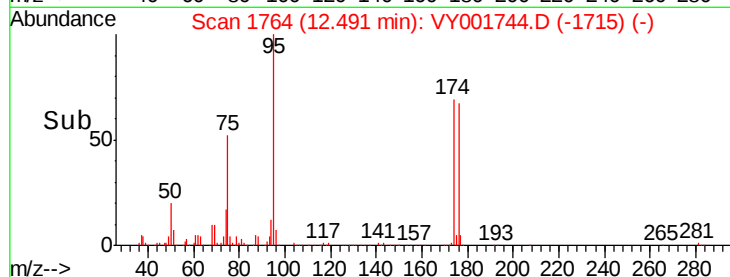
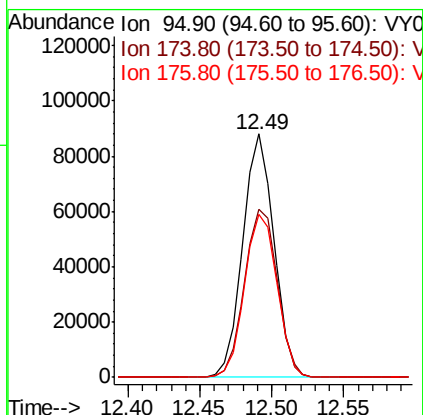
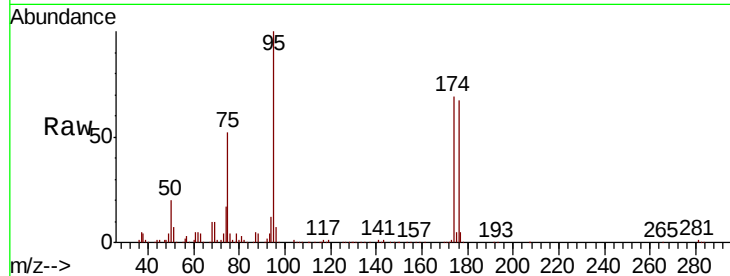




#62  
4-Bromofluorobenzene  
Concen: 49.932 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. -0.00 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

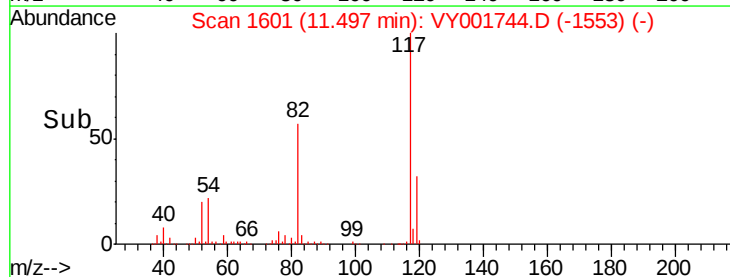
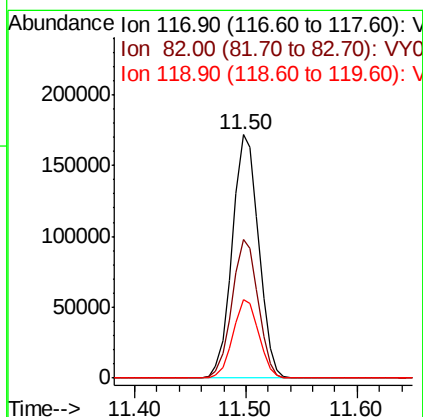
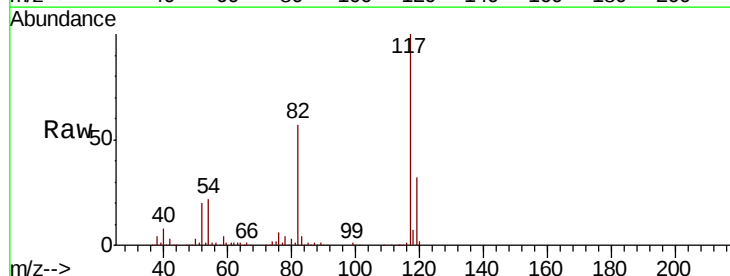
Instrument :  
MSVOA\_Y  
ClientSampleId :

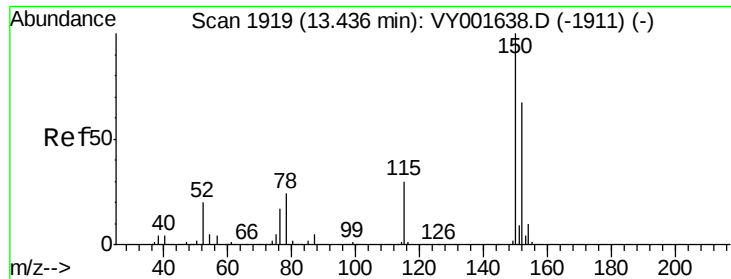
| Tot Ion   | 95    | Resp  | 132007 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 72.6  | 0.0   | 138.4  |
| 176       | 69.8  | 0.0   | 131.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

| Tgt Ion   | 117   | Resp  | 281537 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.8  | 45.5  | 68.3   |
| 119       | 32.2  | 25.8  | 38.6   |



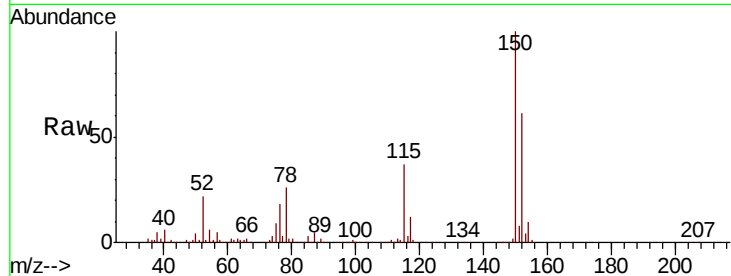


#72

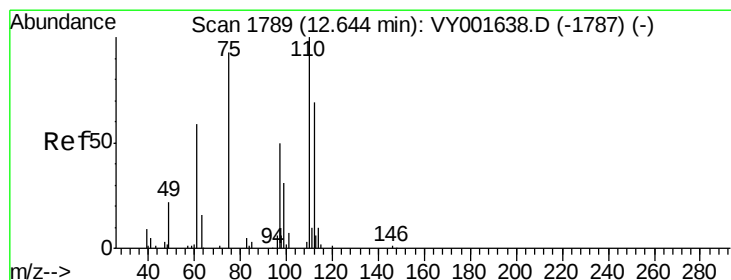
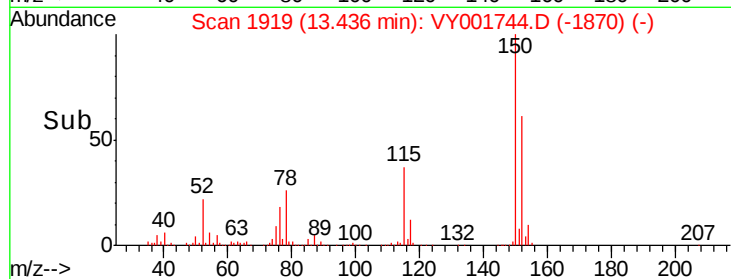
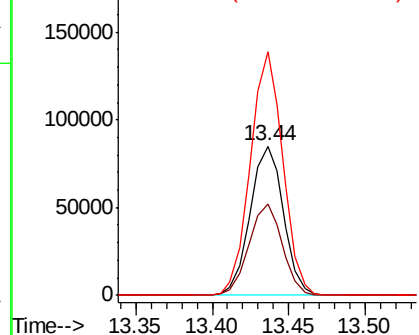
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. -0.00 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion:152 Resp: 128690  
Ion Ratio Lower Upper  
152 100  
115 61.1 31.4 94.2  
150 158.9 0.0 407.2



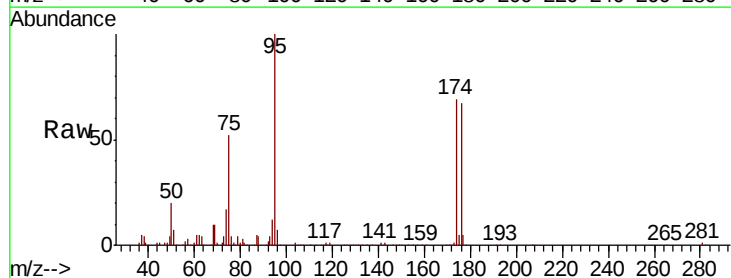
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



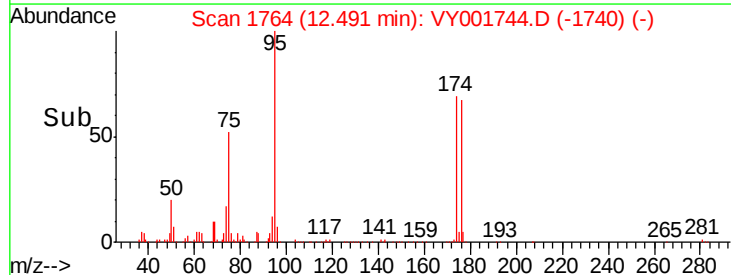
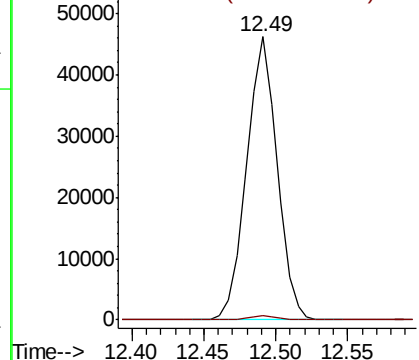
#76

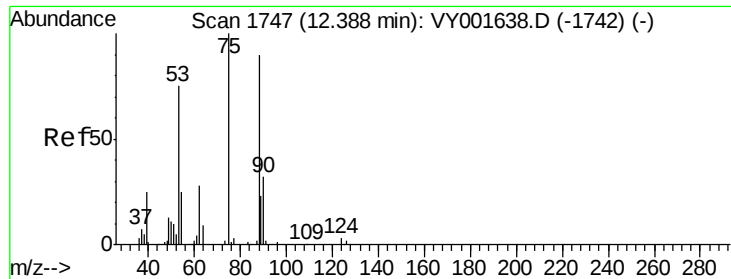
1,2,3-Trichloropropane  
Concen: 45.790 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. -0.15 min  
Lab File: VY001744.D  
Acq: 21 Feb 2020 15:49

Tgt Ion: 75 Resp: 67597  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 86.871 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001744.D

Acq: 21 Feb 2020 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

Tot Ion: 75 Resp: 67597

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

