

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\  
 Data File : VY002074.D  
 Acq On : 25 Mar 2020 17:59  
 Operator : SY/MD  
 Sample : L2037-02  
 Misc : 6.28G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 26 06:36:57 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

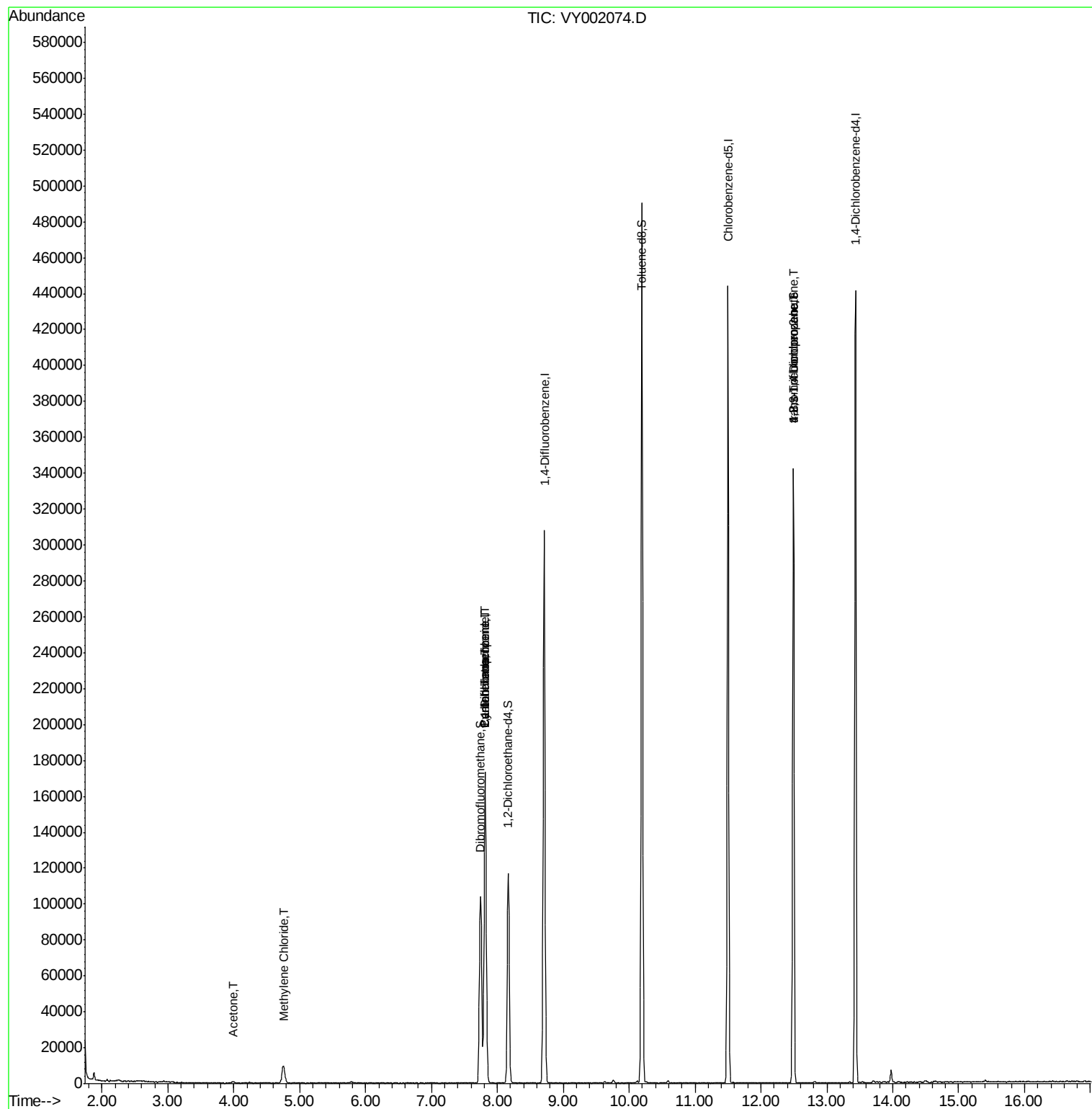
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.82  | 168  | 131883   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.71  | 114  | 261958   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.50 | 117  | 239577   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.44 | 152  | 106671   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.16  | 65   | 85966    | 61.06     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 122.12% |          |
| 35) Dibromofluoromethane       | 7.74  | 113  | 77937    | 54.49     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 108.98% |          |
| 50) Toluene-d8                 | 10.19 | 98   | 318083   | 52.73     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 105.46% |          |
| 62) 4-Bromofluorobenzene       | 12.49 | 95   | 109298   | 52.11     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.22% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 5) Bromomethane                | 2.55  | 94   | 22       | Below Cal | #       | 4        |
| 16) Acetone                    | 3.98  | 43   | 1568     | 3.824     | ug/l    | 92       |
| 20) Methylene Chloride         | 4.75  | 84   | 7189     | 4.090     | ug/l    | 95       |
| 31) Cyclohexane                | 7.82  | 56   | 3108     | 1.005     | ug/l #  | 12       |
| 36) 1,1-Dichloropropene        | 7.82  | 75   | 11451    | 4.543     | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.82  | 117  | 14090    | 6.543     | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75   | 56360    | 44.528    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75   | 56360    | 89.944    | ug/l #  | 17       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\  
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Quant Time: Mar 26 06:36:57 2020  
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: VY002074.D

Acq: 25 Mar 2020 17:59

Instrument :

MSVOA\_Y

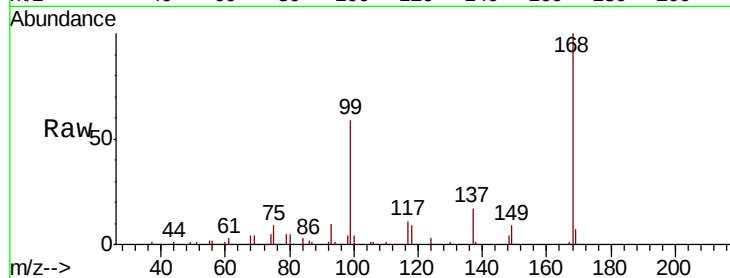
ClientSampleId :

Tot Ion:168 Resp: 131883

Ion Ratio Lower Upper

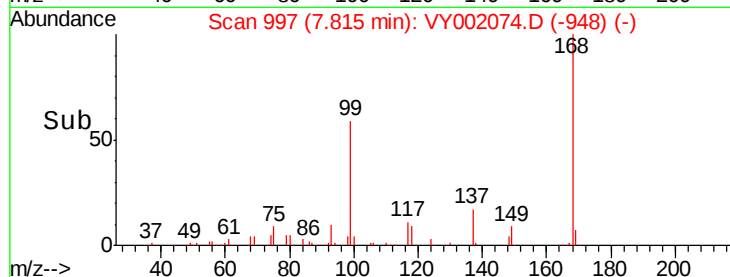
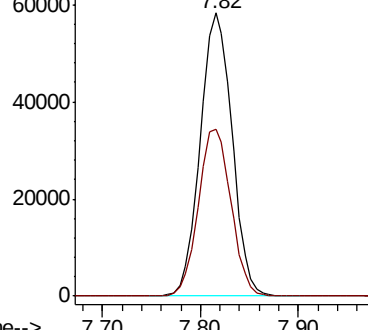
168 100

99 59.0 46.7 70.1

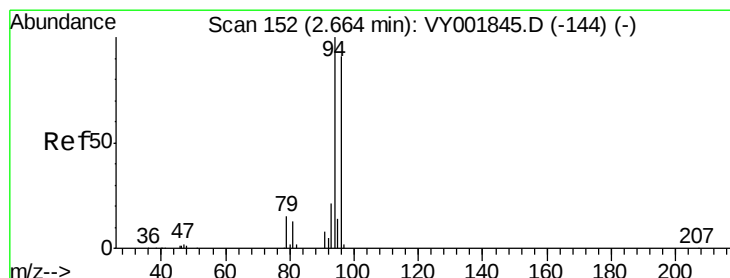


Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

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



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 134

Delta R.T. -0.11 min

Lab File: VY002074.D

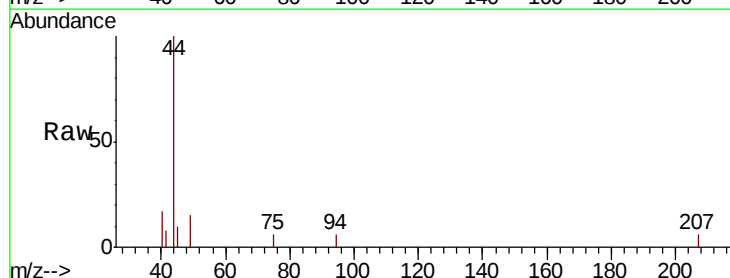
Acq: 25 Mar 2020 17:59

Tgt Ion: 94 Resp: 22

Ion Ratio Lower Upper

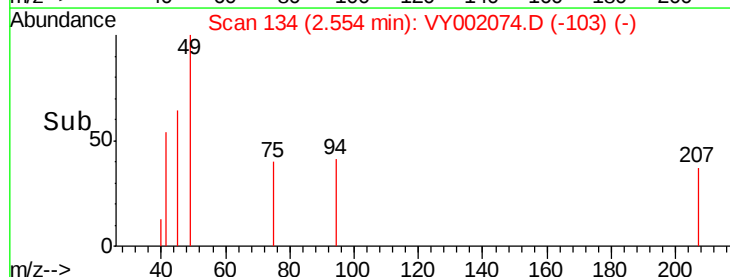
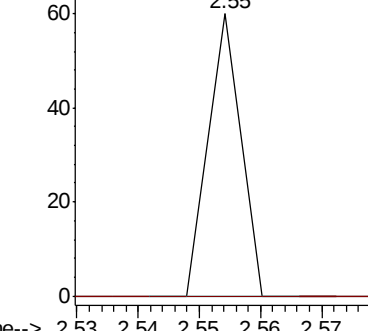
94 100

96 0.0 73.2 109.8#

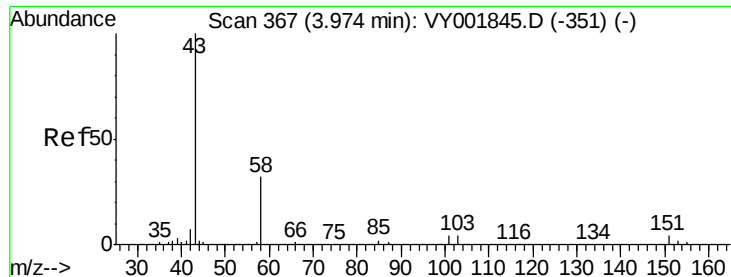


Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



Time-->



#16

Acetone

Concen: 3.824 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002074.D

Acq: 25 Mar 2020 17:59

Instrument :

MSVOA\_Y

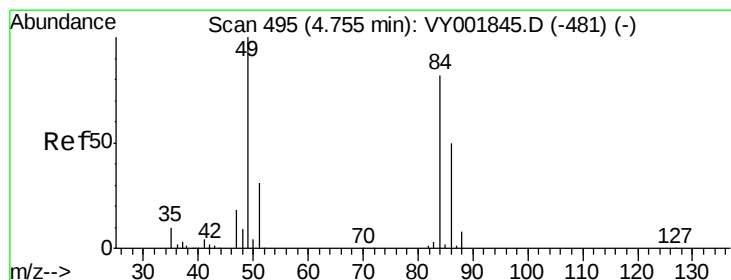
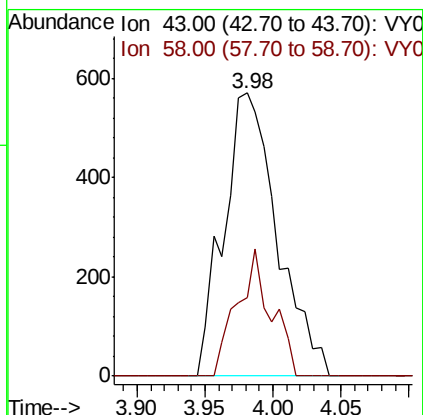
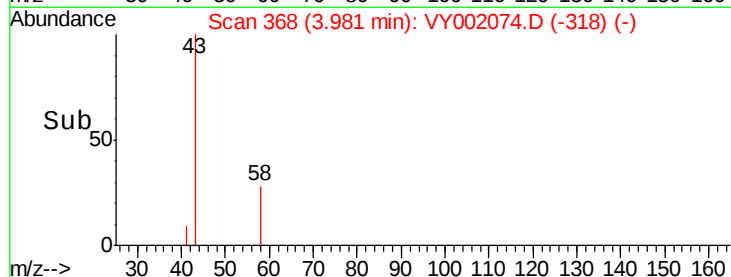
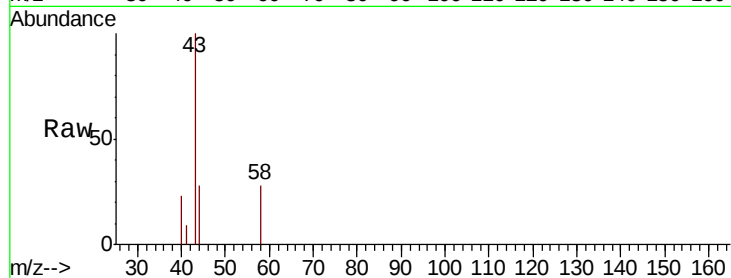
ClientSampleId :

Tot Ion: 43 Resp: 1568

Ion Ratio Lower Upper

43 100

58 27.7 25.9 38.9



#20

Methylene Chloride

Concen: 4.090 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY002074.D

Acq: 25 Mar 2020 17:59

Tgt Ion: 84 Resp: 7189

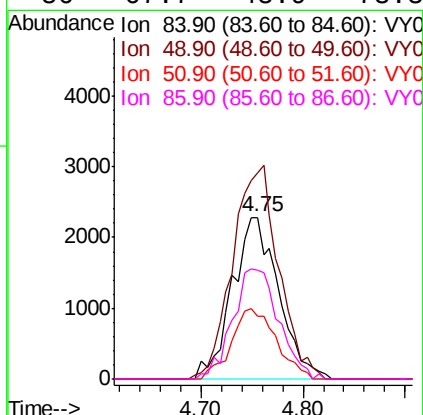
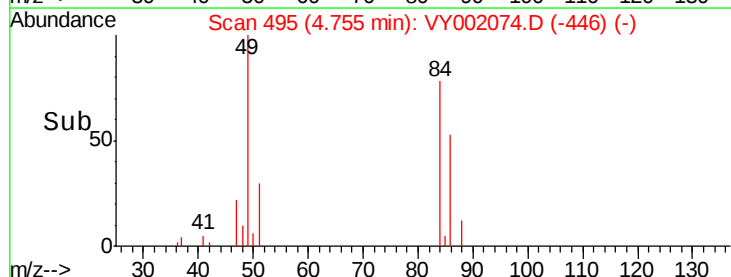
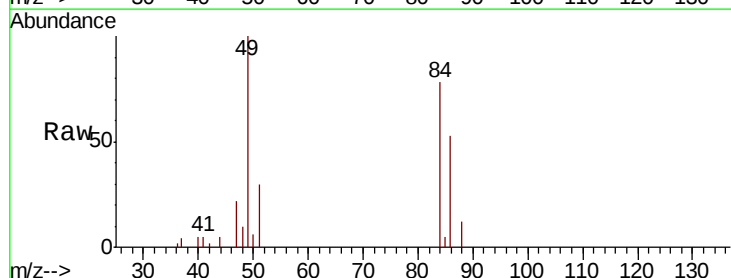
Ion Ratio Lower Upper

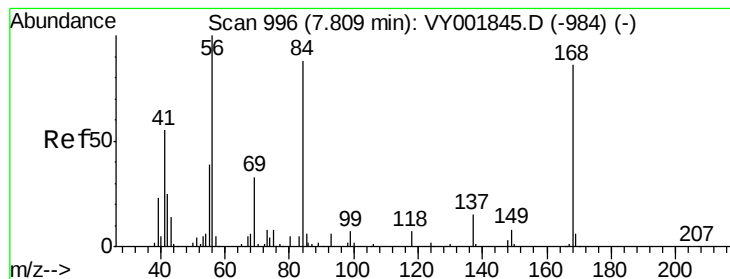
84 100

49 127.9 98.2 147.2

51 38.9 30.2 45.2

86 67.7 48.9 73.3





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002074.D

Acq: 25 Mar 2020 17:59

Instrument :

MSVOA\_Y

ClientSampled :

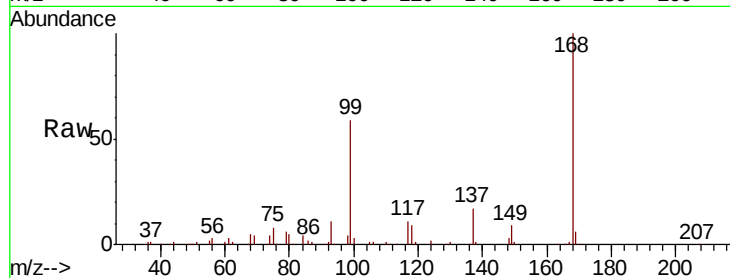
Tot Ion: 56 Resp: 3108

Ion Ratio Lower Upper

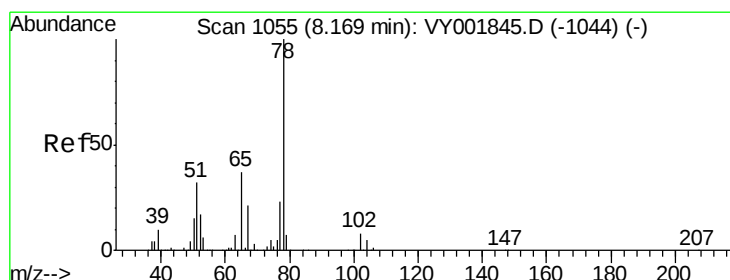
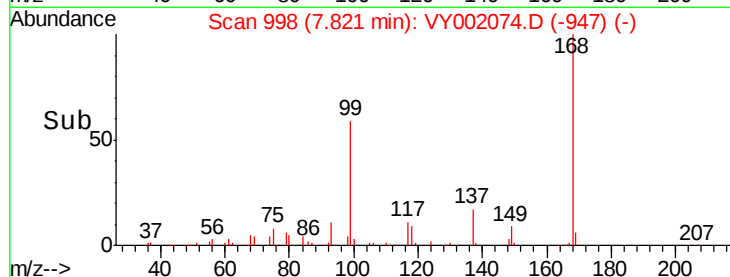
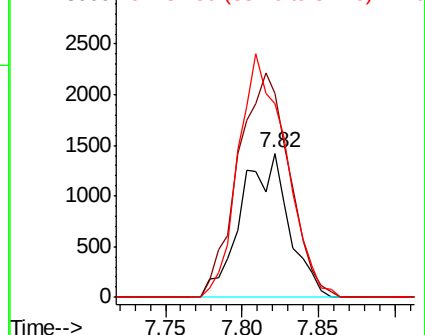
56 100

69 141.7 26.7 40.1#

84 134.2 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 61.058 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002074.D

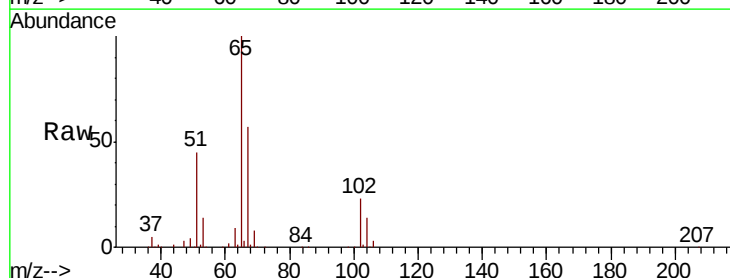
Acq: 25 Mar 2020 17:59

Tgt Ion: 65 Resp: 85966

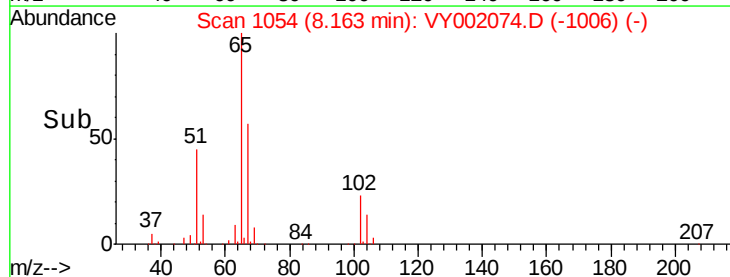
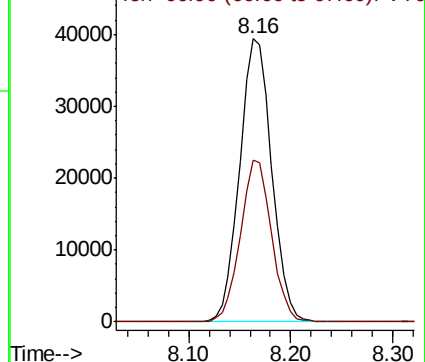
Ion Ratio Lower Upper

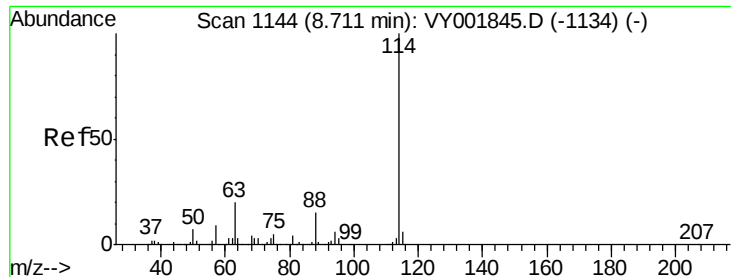
65 100

67 55.4 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0  
Ion 66.90 (66.60 to 67.60): VY0

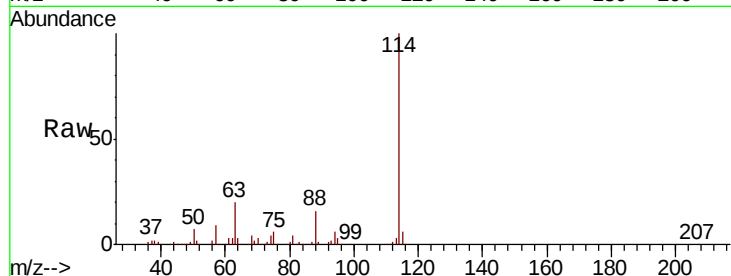




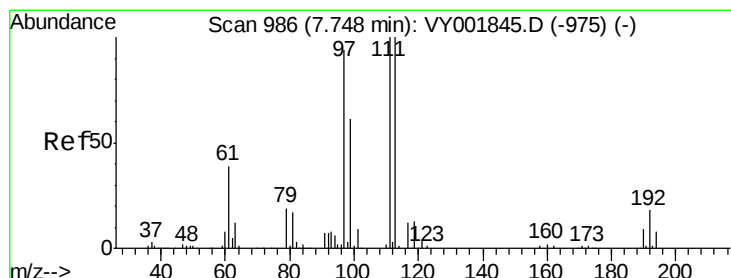
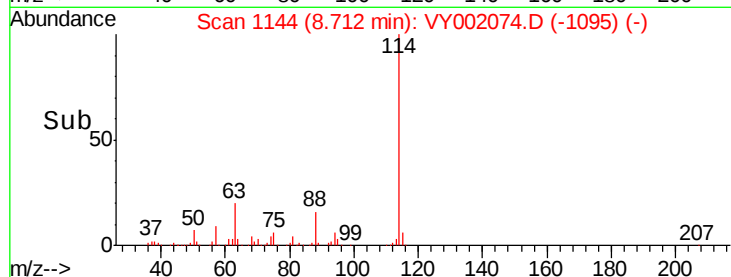
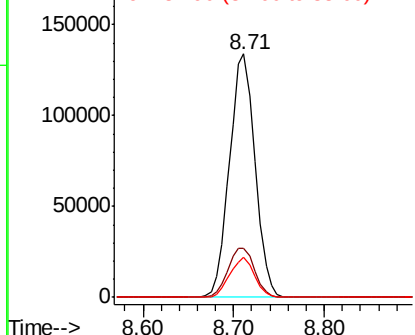
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VY002074.D  
 Acq: 25 Mar 2020 17:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.2  | 0.0   | 39.4  |
| 88      | 16.4  | 0.0   | 30.4  |

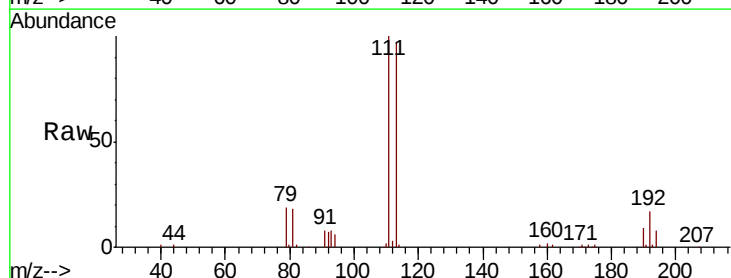


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

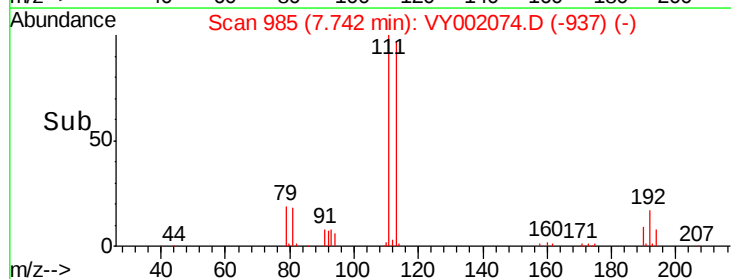
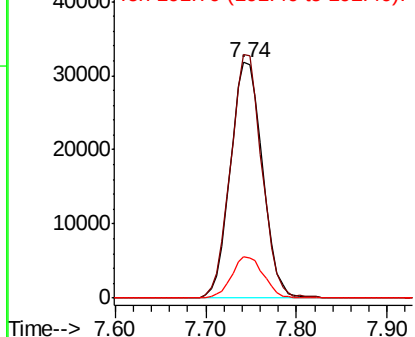


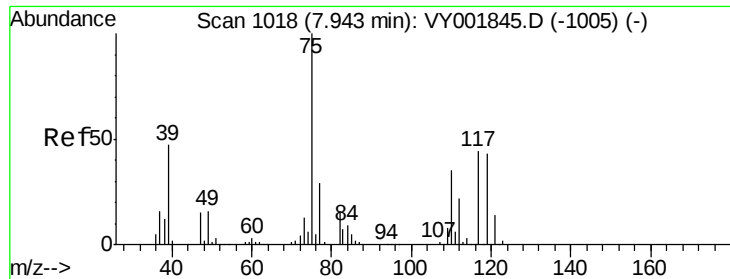
#35  
 Dibromofluoromethane  
 Concen: 54.486 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY002074.D  
 Acq: 25 Mar 2020 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.7 | 81.8  | 122.8 |
| 192     | 17.4  | 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

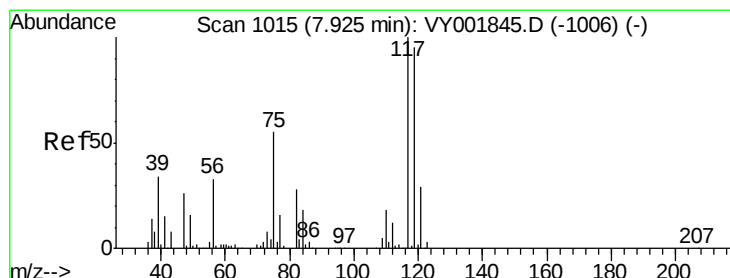
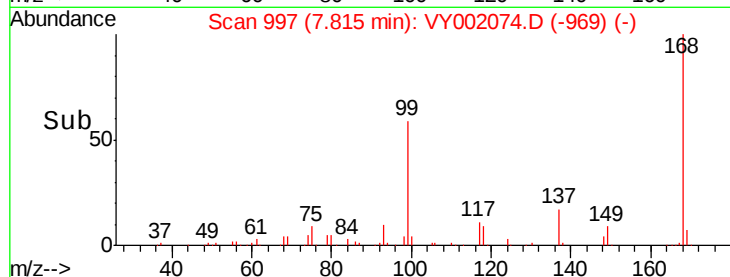
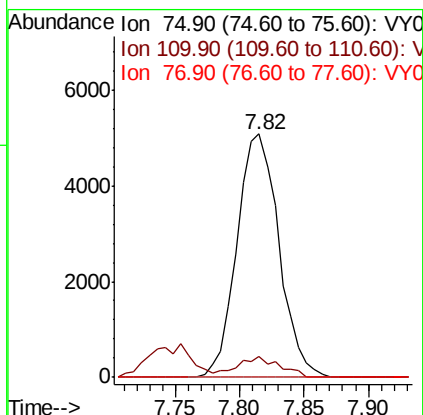
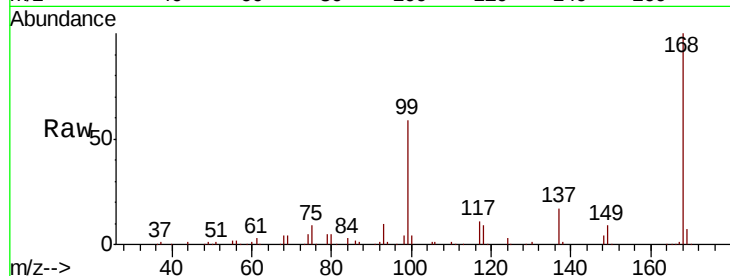




#36  
 1,1-Dichloropropene  
 Concen: 4.543 ug/l  
 RT: 7.82 min Scan# 997  
 Delta R.T. -0.13 min  
 Lab File: VY002074.D  
 Acq: 25 Mar 2020 17:59

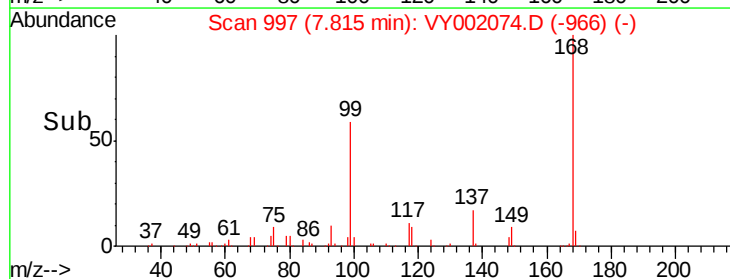
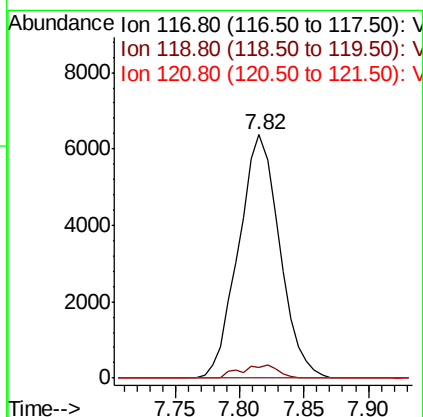
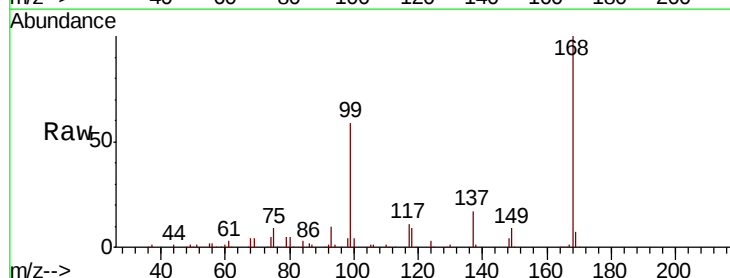
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

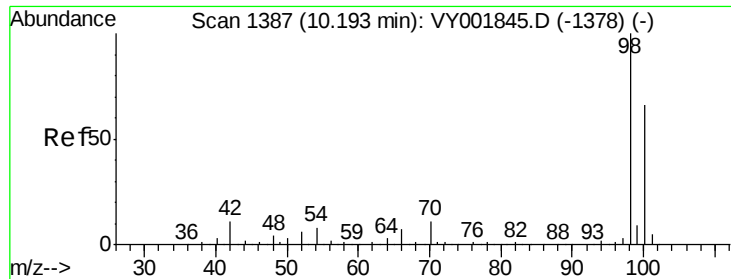
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 17.4  | 52.2# |
| 77      | 0.0   | 24.2  | 36.2# |



#38  
 Carbon Tetrachloride  
 Concen: 6.543 ug/l  
 RT: 7.82 min Scan# 997  
 Delta R.T. -0.11 min  
 Lab File: VY002074.D  
 Acq: 25 Mar 2020 17:59

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 4.5   | 76.3  | 114.5# |
| 121     | 0.0   | 23.5  | 35.3#  |





#50

Toluene-d8

Concen: 52.734 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002074.D

Acq: 25 Mar 2020 17:59

Instrument :

MSVOA\_Y

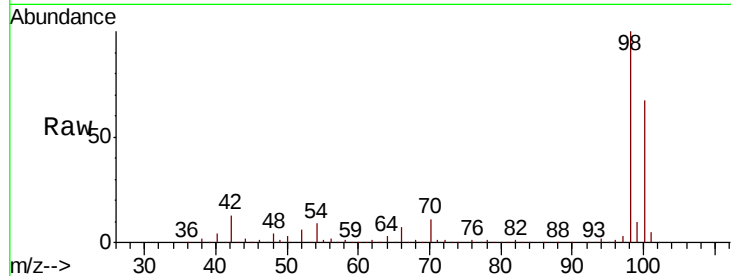
ClientSampleId :

Tot Ion: 98 Resp: 318083

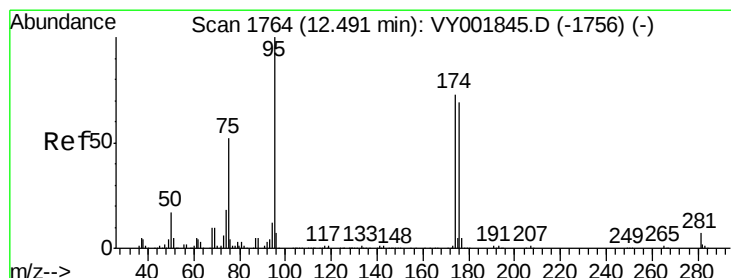
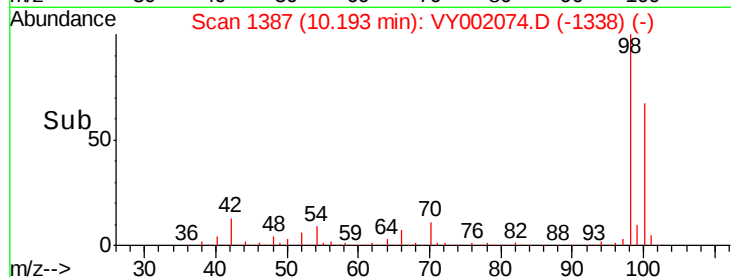
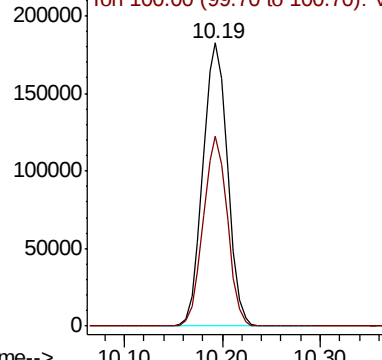
Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)



#62

4-Bromofluorobenzene

Concen: 52.113 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002074.D

Acq: 25 Mar 2020 17:59

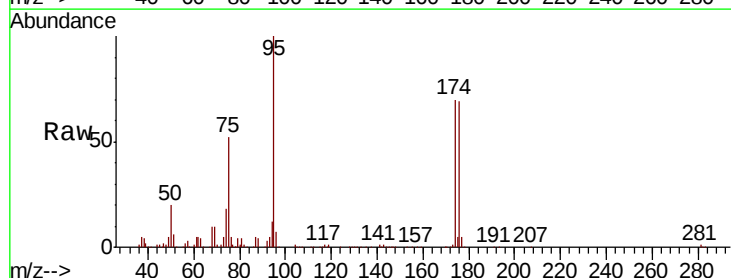
Tgt Ion: 95 Resp: 109298

Ion Ratio Lower Upper

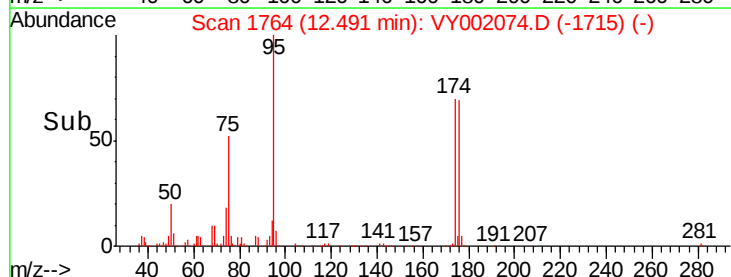
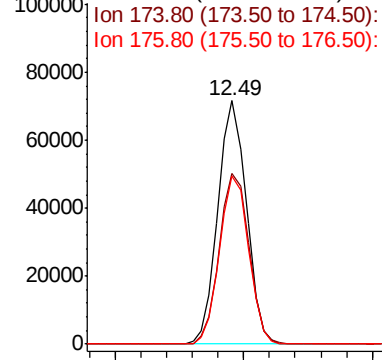
95 100

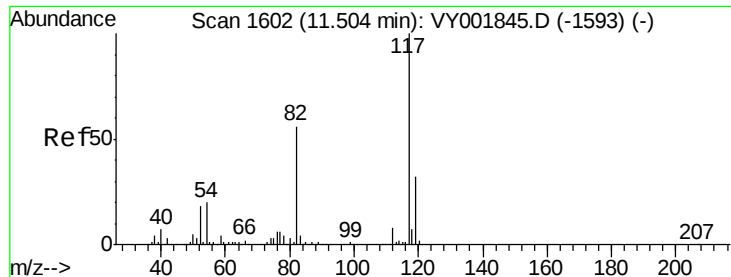
174 73.0 0.0 145.0

176 70.6 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

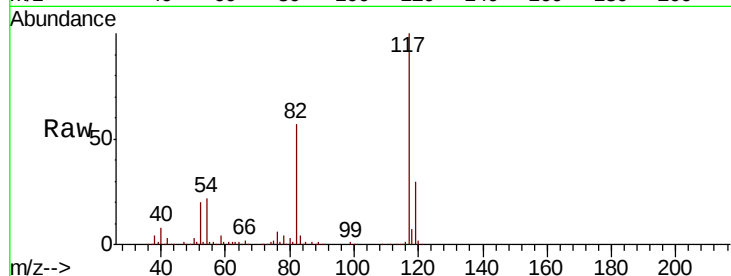




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY002074.D  
Acq: 25 Mar 2020 17:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.0  | 44.5  | 66.7  |
| 119     | 30.2  | 25.7  | 38.5  |

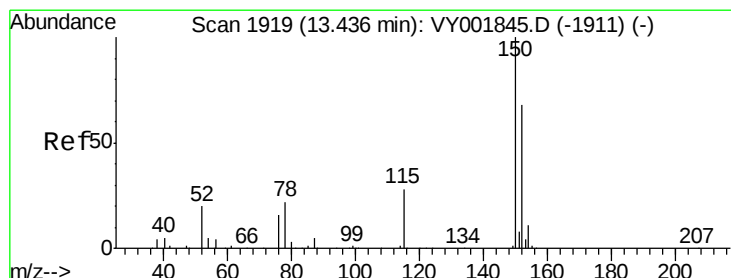
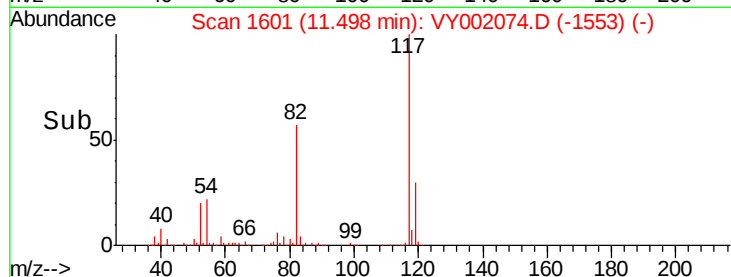
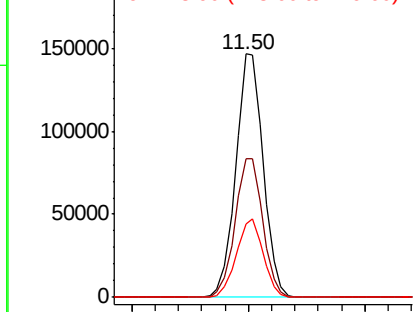


Abundance

Ion 116.90 (116.60 to 117.60): V

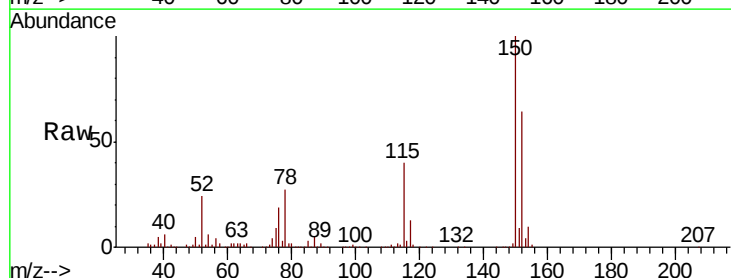
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.00 min  
Lab File: VY002074.D  
Acq: 25 Mar 2020 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.5  | 29.9  | 89.7  |
| 150     | 159.4 | 0.0   | 340.6 |

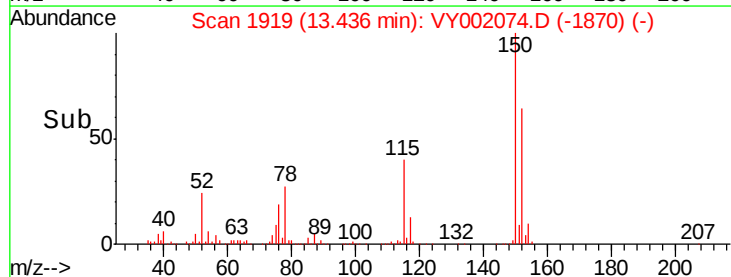
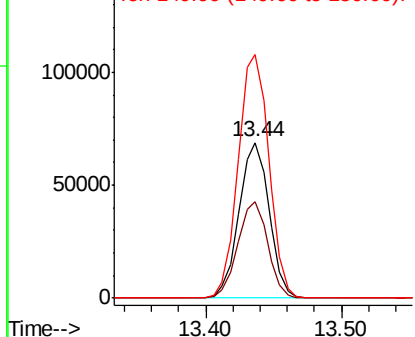


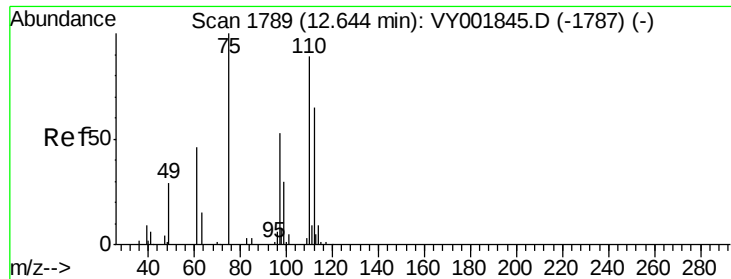
Abundance

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

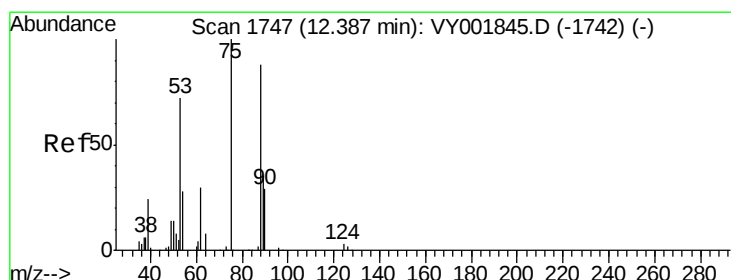
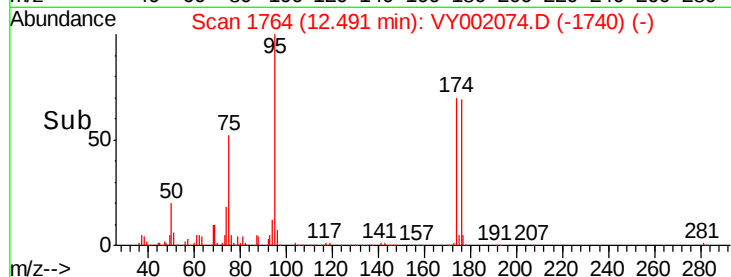
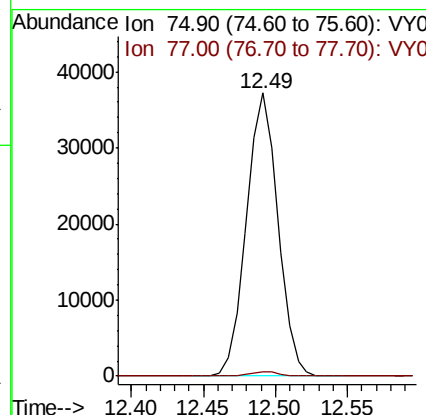
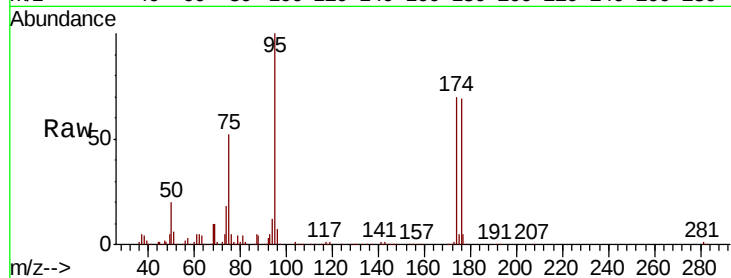




#76  
 1,2,3-Trichloropropane  
 Concen: 44.528 ug/l  
 RT: 12.49 min Scan# 1764  
 Delta R.T. -0.15 min  
 Lab File: VY002074.D  
 Acq: 25 Mar 2020 17:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tot Ion: 75 Resp: 56360  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.944 ug/l  
 RT: 12.49 min Scan# 1764  
 Delta R.T. 0.10 min  
 Lab File: VY002074.D  
 Acq: 25 Mar 2020 17:59

Tgt Ion: 75 Resp: 56360  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 65.4 98.0#  
 89 0.0 36.0 54.0#

