

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\  
 Data File : VY000513.D  
 Acq On : 31 Oct 2019 18:54  
 Operator : SY/MD  
 Sample : K5620-06RE  
 Misc : 4.72G/5ML/MSVOA Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

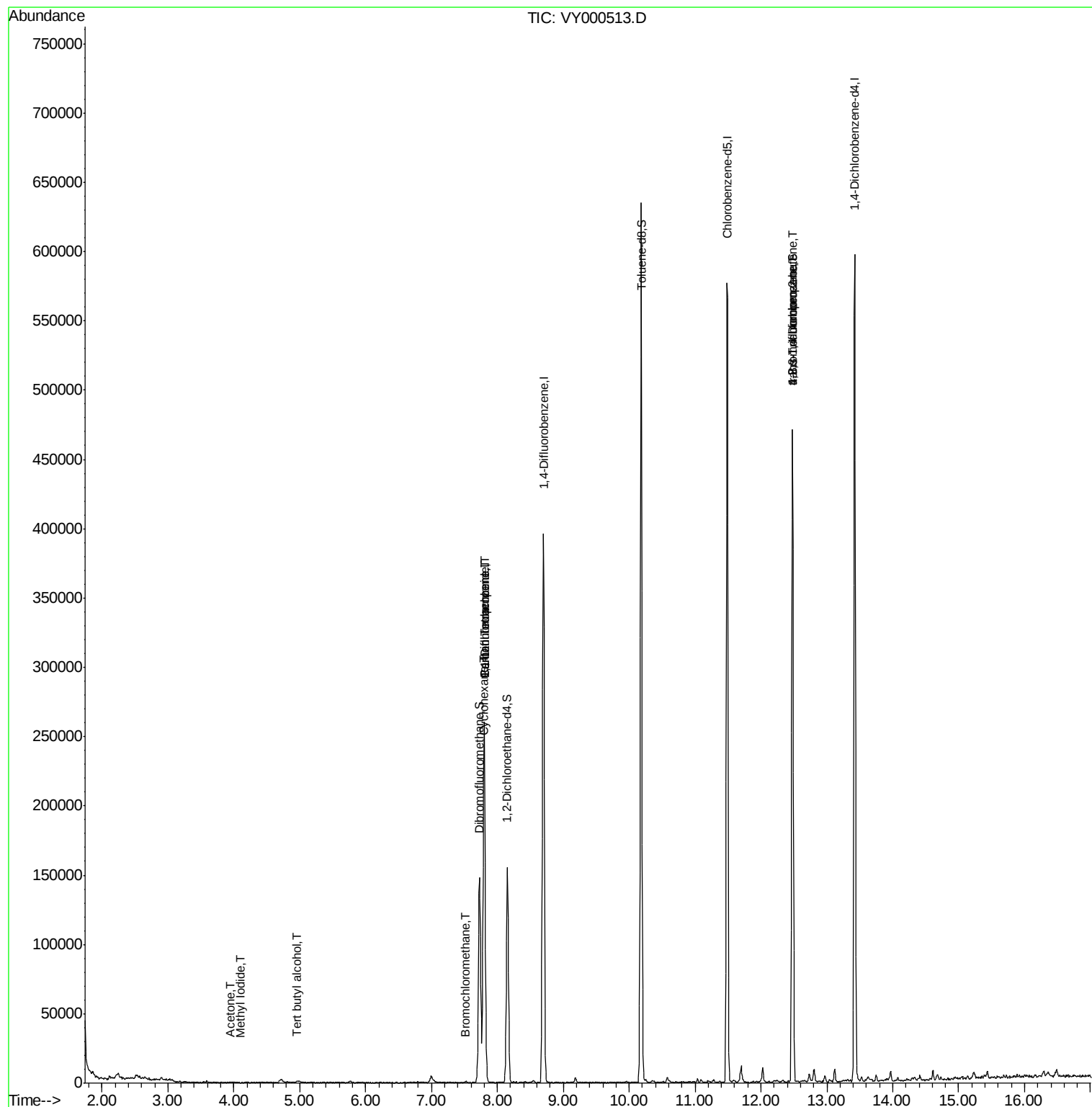
Quant Time: Nov 01 05:53:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 195803   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.70  | 114  | 335027   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49 | 117  | 307006   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42 | 152  | 144913   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.15  | 65   | 121496   | 59.96   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 119.92% |          |
| 35) Dibromofluoromethane       | 7.73  | 113  | 99840    | 50.76   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 101.52% |          |
| 50) Toluene-d8                 | 10.18 | 98   | 390142   | 52.28   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 104.56% |          |
| 62) 4-Bromofluorobenzene       | 12.48 | 95   | 140116   | 49.32   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 98.64%  |          |
| Target Compounds               |       |      |          |         |         |          |
|                                |       |      |          |         | Qvalue  |          |
| 10) Methyl Iodide              | 4.10  | 142  | 89       | 3.231   | ug/l #  | 41       |
| 11) Tert butyl alcohol         | 4.96  | 59   | 1272     | 6.449   | ug/l #  | 72       |
| 16) Acetone                    | 3.96  | 43   | 955      | 1.710   | ug/l #  | 42       |
| 28) Bromochloromethane         | 7.51  | 49   | 23       | 4.105   | ug/l #  | 14       |
| 31) Cyclohexane                | 7.78  | 56   | 10484    | 2.673   | ug/l #  | 83       |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 14907    | 4.707   | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 19279    | 6.326   | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 74341    | 45.054  | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 74341    | 101.018 | ug/l #  | 13       |

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

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ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 01 05:53:04 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 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: VY000513.D

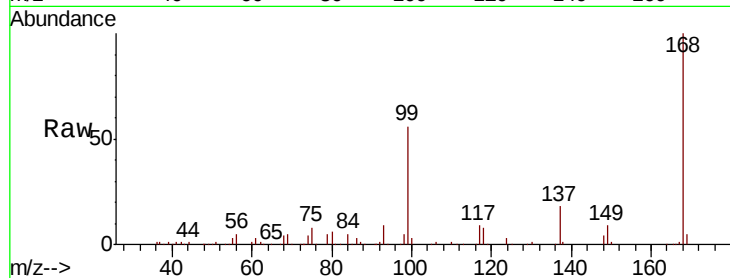
Acq: 31 Oct 2019 18:54

Tot Ion:168 Resp: 195803

Ion Ratio Lower Upper

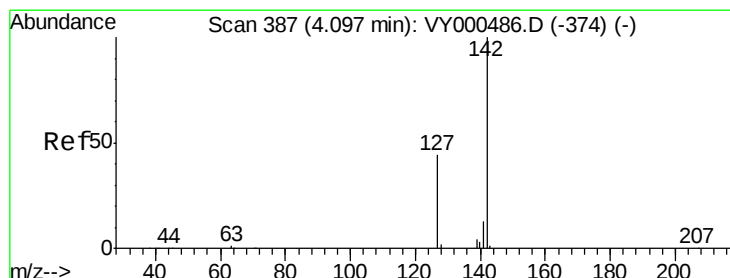
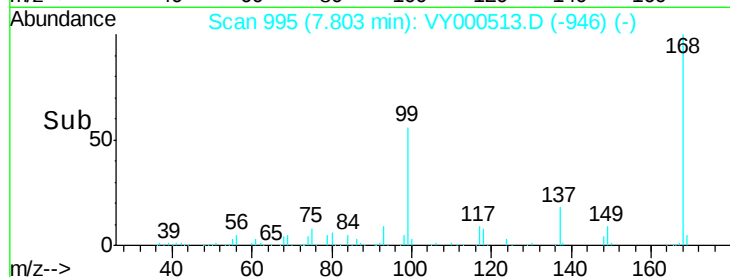
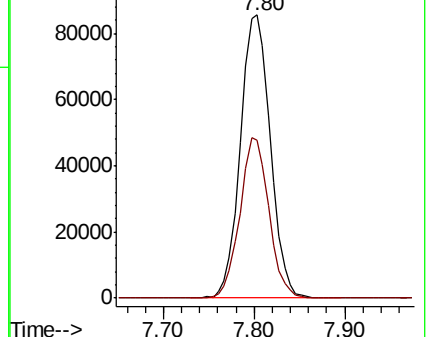
168 100

99 55.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.231 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000513.D

Acq: 31 Oct 2019 18:54

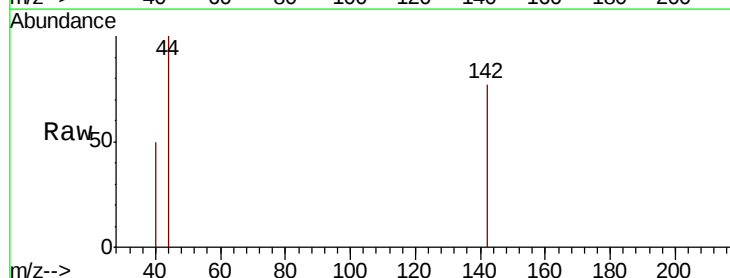
Tgt Ion:142 Resp: 89

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

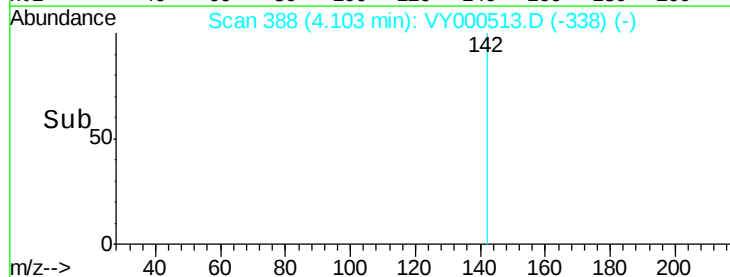
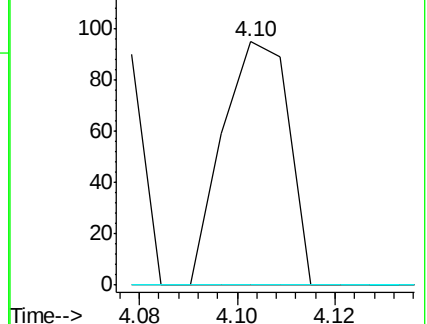
141 0.0 10.9 16.3#

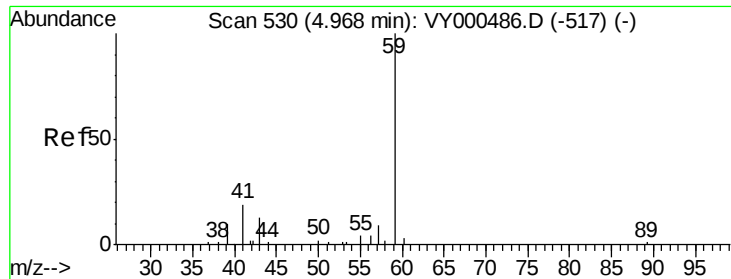


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

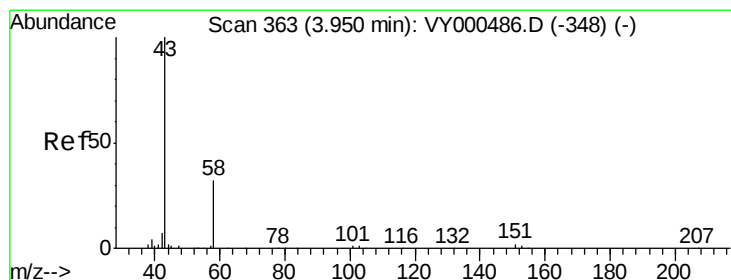
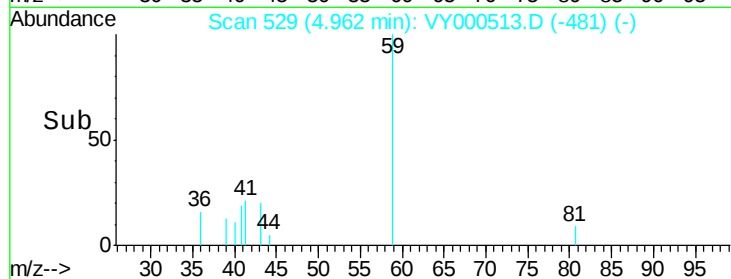
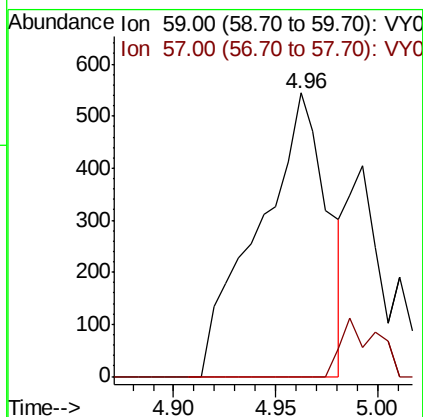
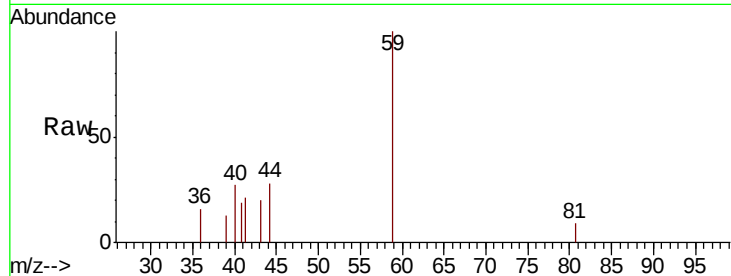
Ion 140.80 (140.50 to 141.50): V





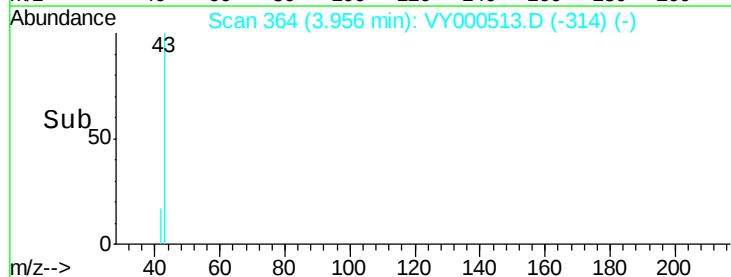
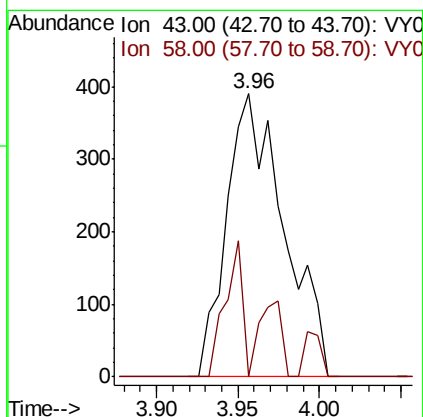
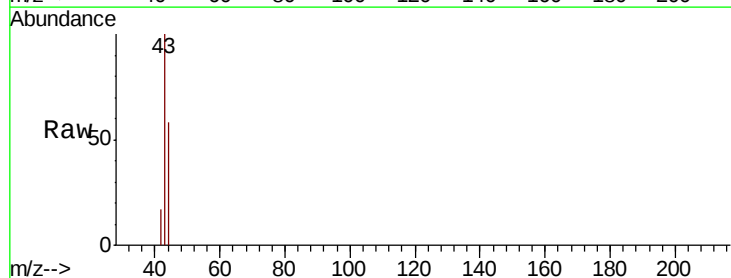
#11  
Tert butyl alcohol  
Concen: 6.449 ug/l  
RT: 4.96 min Scan# 529  
Delta R.T. -0.01 min  
Lab File: VY000513.D  
Acq: 31 Oct 2019 18:54

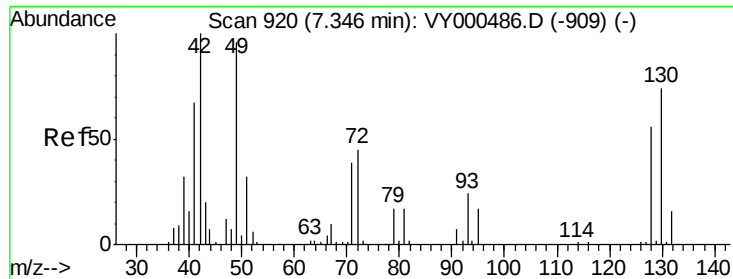
Tot Ion: 59 Resp: 1272  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#16  
Acetone  
Concen: 1.710 ug/l  
RT: 3.96 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VY000513.D  
Acq: 31 Oct 2019 18:54

Tgt Ion: 43 Resp: 955  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.8 38.6#





#28

Bromochloromethane

Concen: 4.105 ug/l

RT: 7.51 min Scan# 947

Delta R.T. 0.17 min

Lab File: VY000513.D

Acq: 31 Oct 2019 18:54

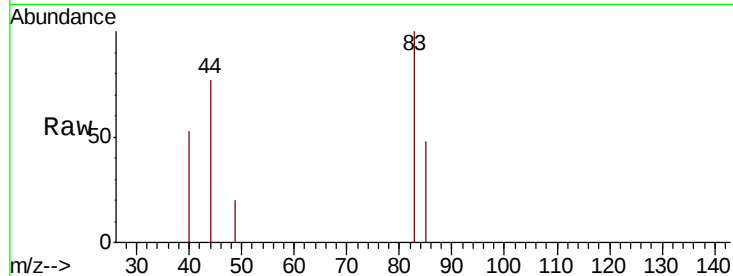
Tot Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

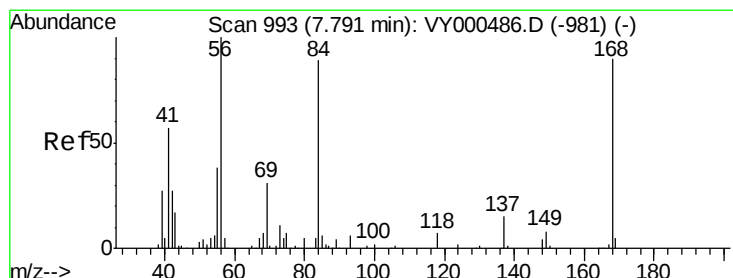
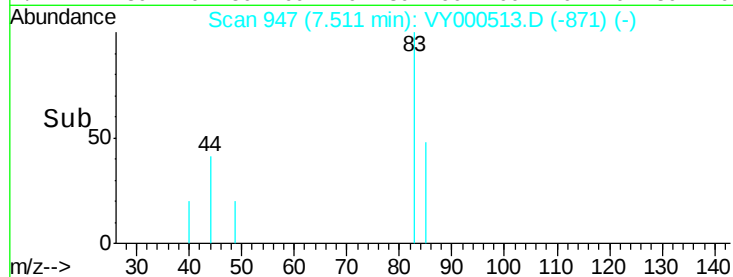
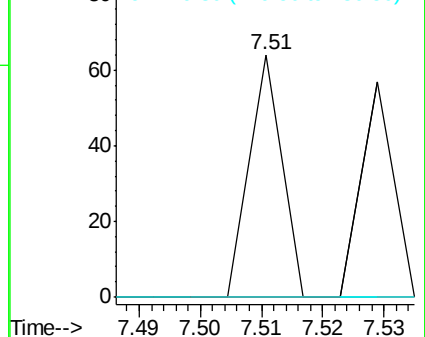
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 2.673 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000513.D

Acq: 31 Oct 2019 18:54

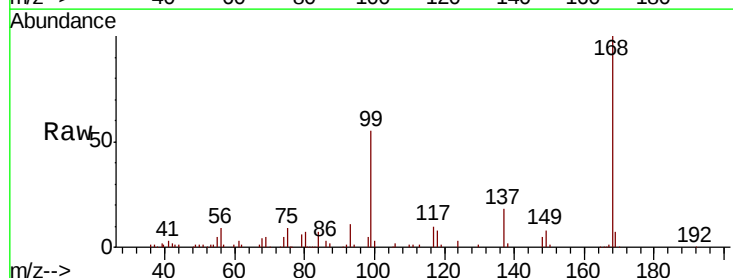
Tgt Ion: 56 Resp: 10484

Ion Ratio Lower Upper

56 100

69 56.4 25.0 37.6#

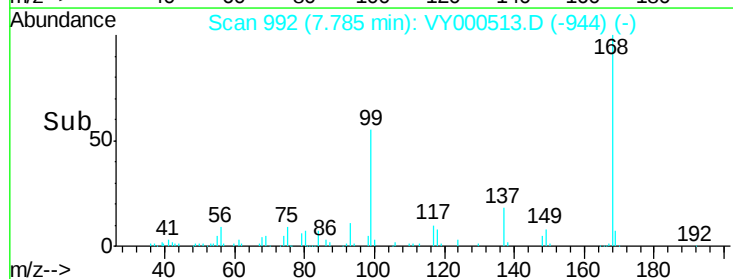
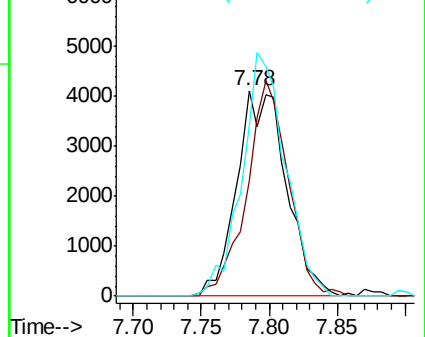
84 82.9 71.4 107.2

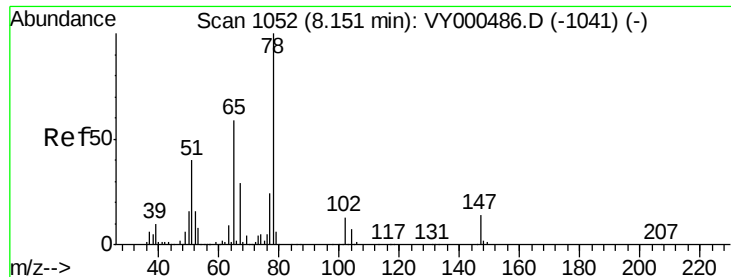


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 59.959 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000513.D

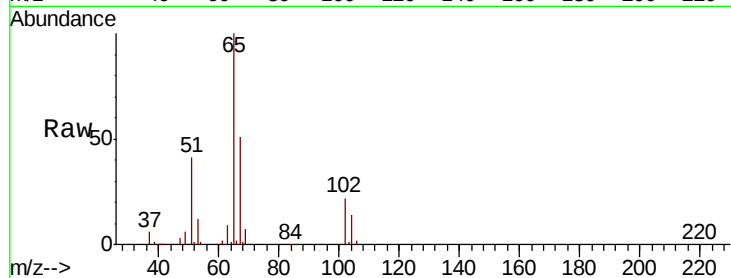
Acq: 31 Oct 2019 18:54

Tot Ion: 65 Resp: 121496

Ion Ratio Lower Upper

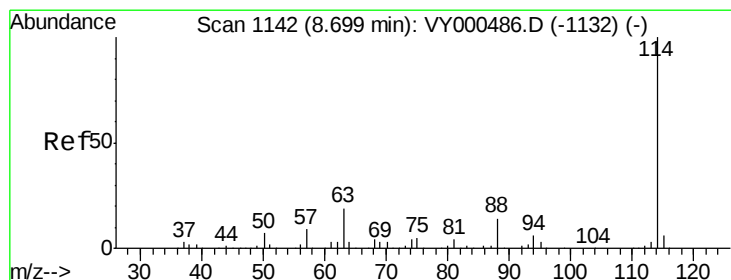
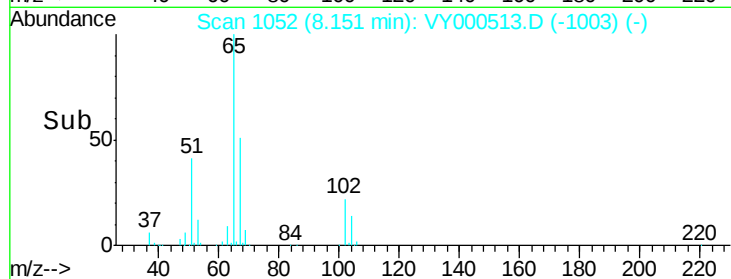
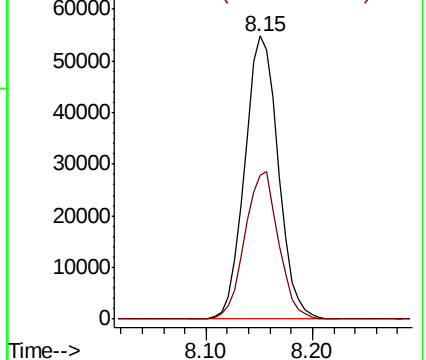
65 100

67 52.0 0.0 107.2



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: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000513.D

Acq: 31 Oct 2019 18:54

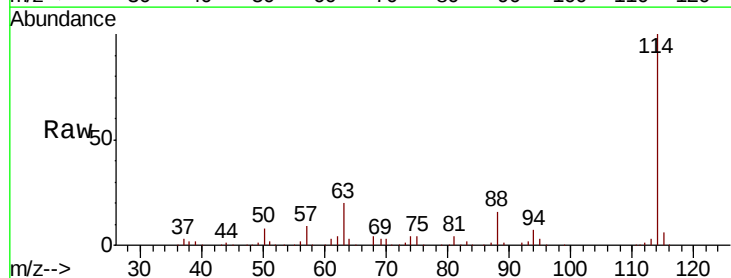
Tgt Ion: 114 Resp: 335027

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

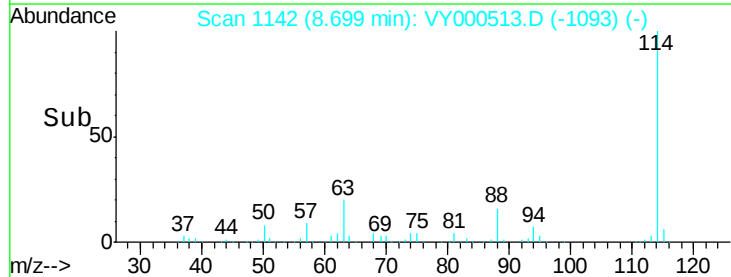
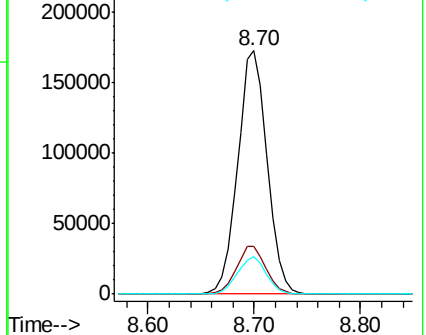
88 15.7 0.0 28.6

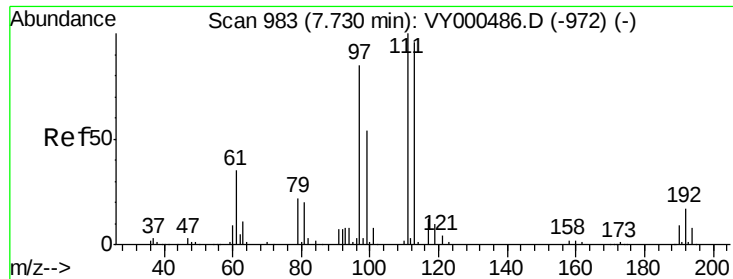


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

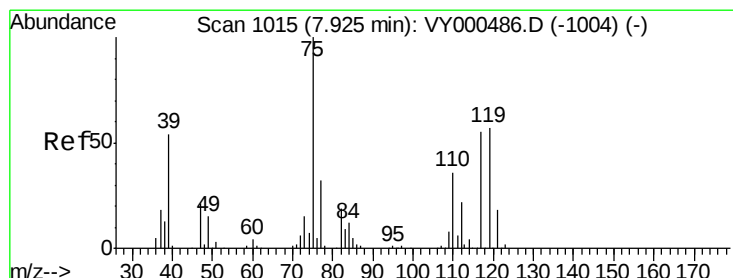
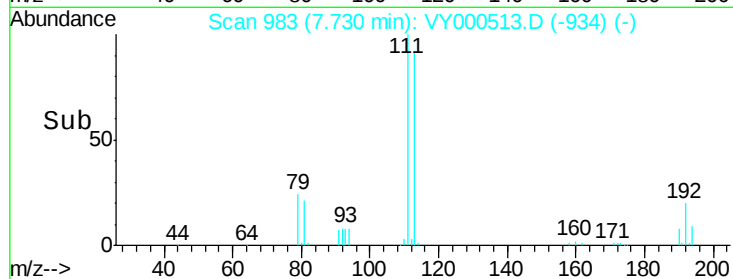
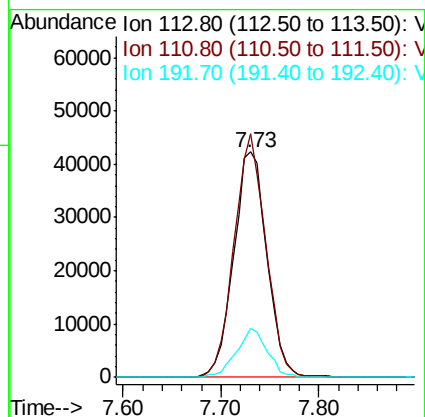
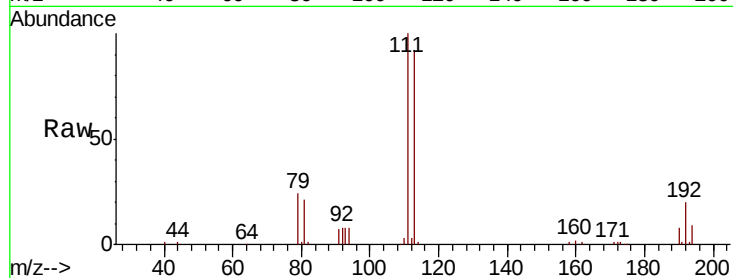
Ion 87.90 (87.60 to 88.60): VY0





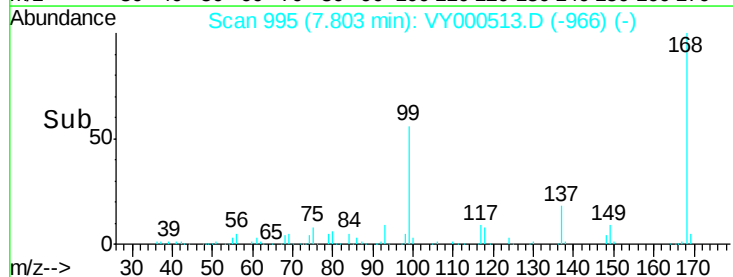
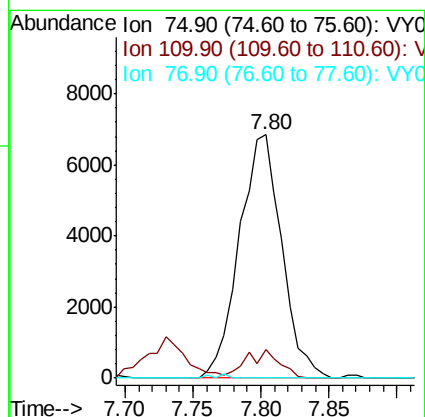
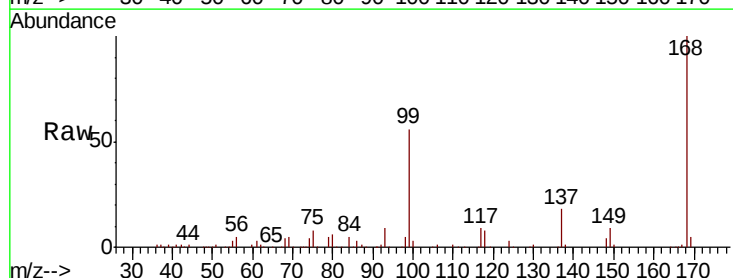
#35  
 Dibromofluoromethane  
 Concen: 50.762 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.00 min  
 Lab File: VY000513.D  
 Acq: 31 Oct 2019 18:54

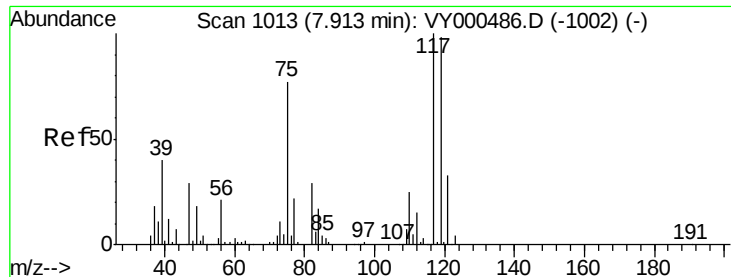
Tot Ion:113 Resp: 99840  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.7 122.5  
 192 20.4 15.0 22.4



#36  
 1,1-Dichloropropene  
 Concen: 4.707 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.12 min  
 Lab File: VY000513.D  
 Acq: 31 Oct 2019 18:54

Tgt Ion: 75 Resp: 14907  
 Ion Ratio Lower Upper  
 75 100  
 110 9.2 18.1 54.1#  
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.326 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000513.D

Acq: 31 Oct 2019 18:54

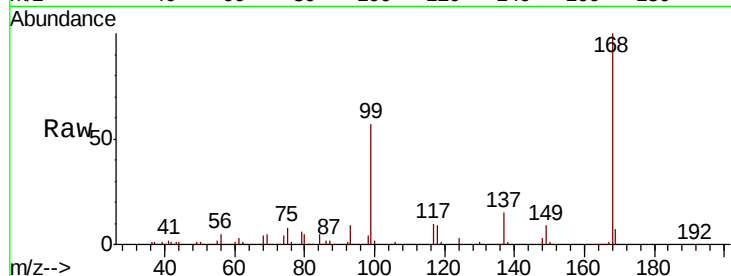
Tot Ion:117 Resp: 19279

Ion Ratio Lower Upper

117 100

119 6.6 78.0 117.0#

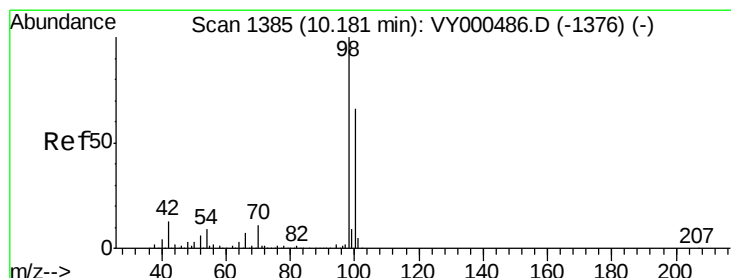
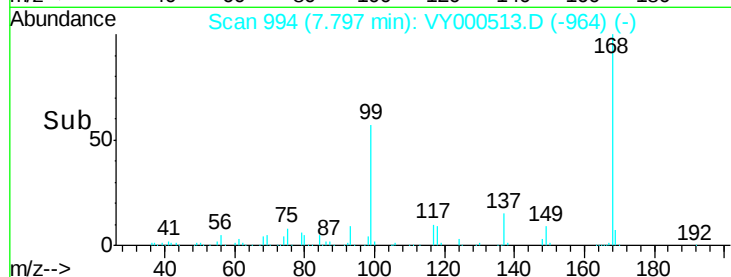
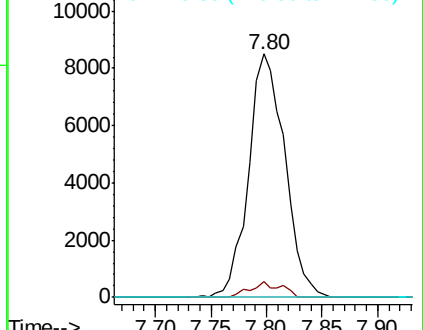
121 0.0 26.6 40.0#



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: 52.276 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000513.D

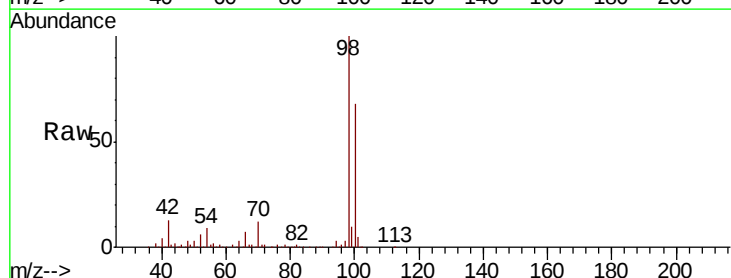
Acq: 31 Oct 2019 18:54

Tgt Ion: 98 Resp: 390142

Ion Ratio Lower Upper

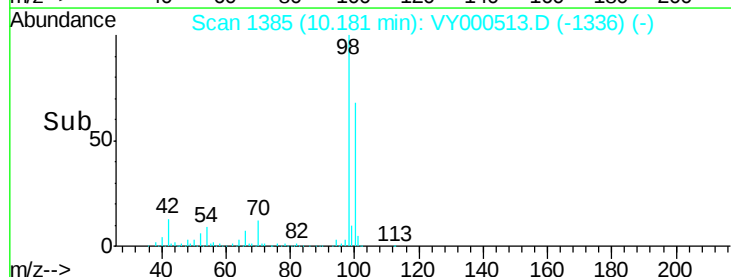
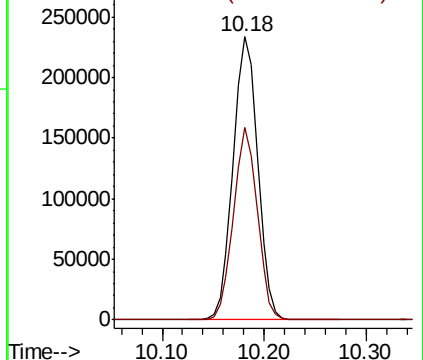
98 100

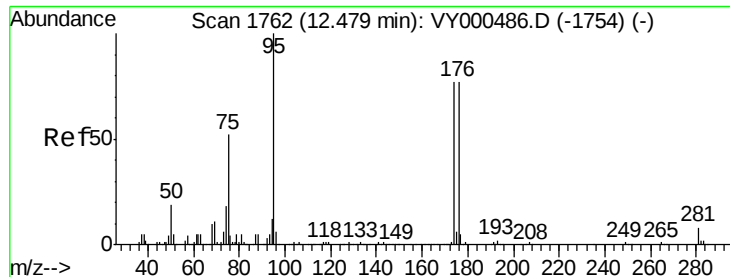
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

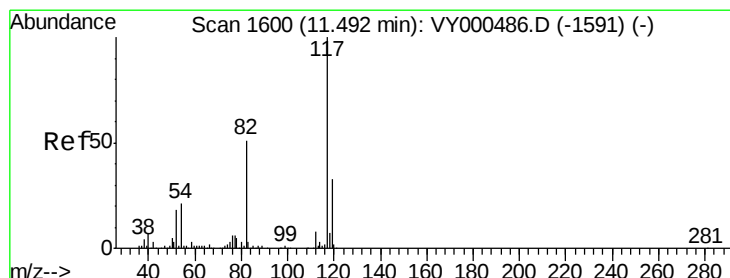
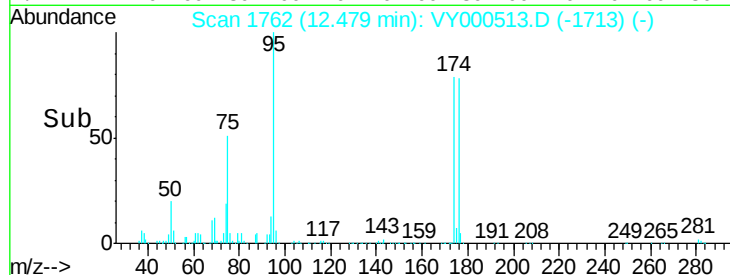
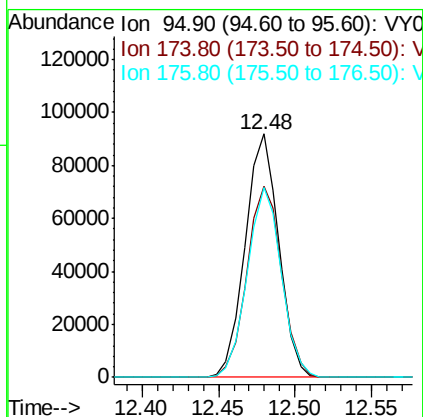
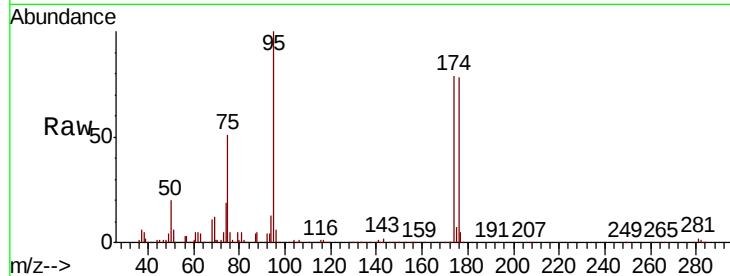
Ion 100.00 (99.70 to 100.70): VY





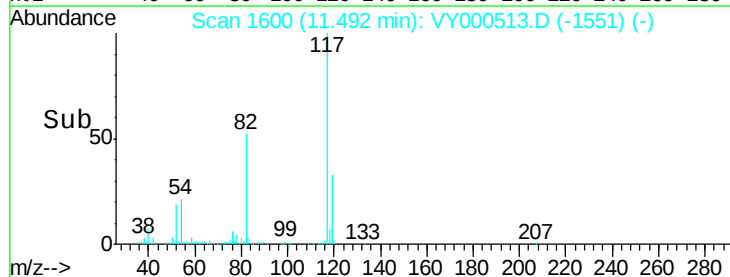
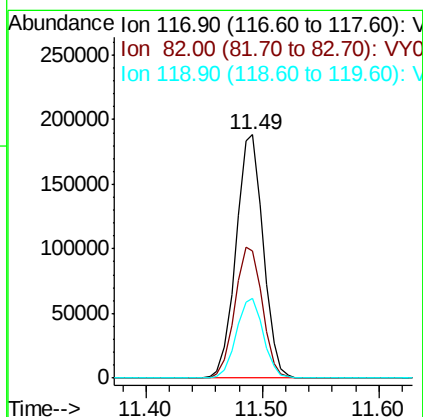
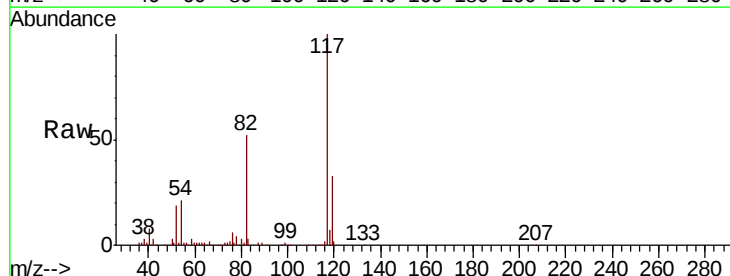
#62  
4-Bromofluorobenzene  
Concen: 49.317 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY000513.D  
Acq: 31 Oct 2019 18:54

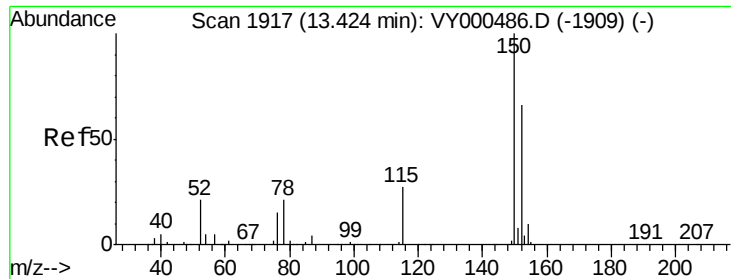
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 81.1  | 0.0   | 161.6 |
| 176     | 78.9  | 0.0   | 157.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY000513.D  
Acq: 31 Oct 2019 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.5  | 40.8  | 61.2  |
| 119     | 33.0  | 26.2  | 39.2  |

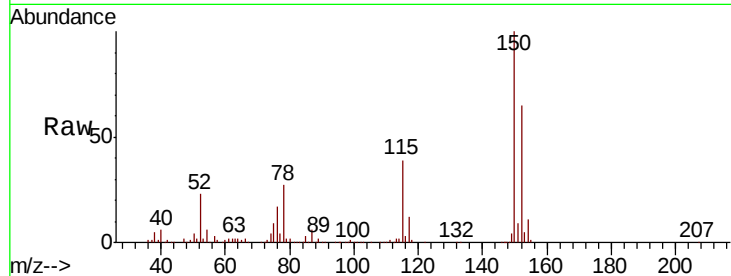




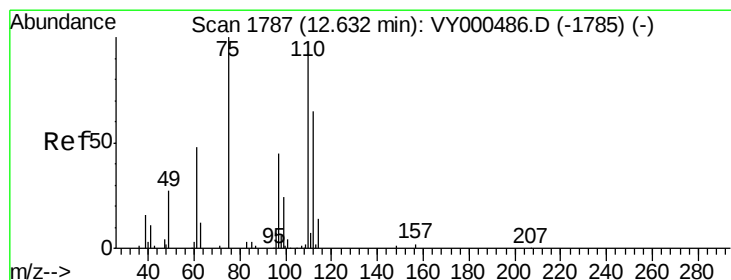
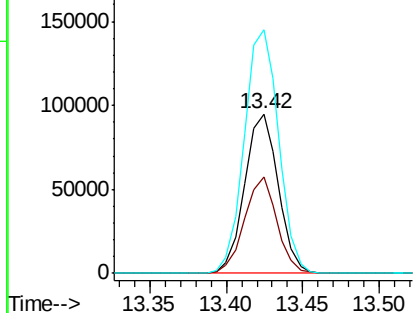
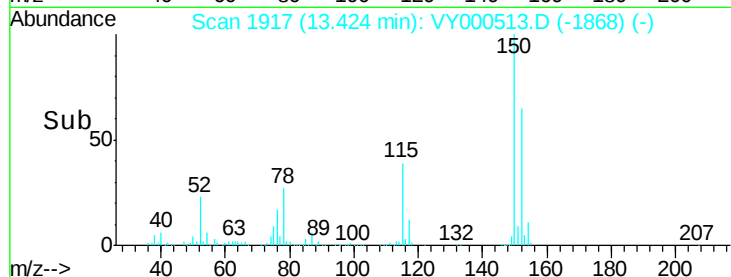
#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY000513.D  
Acq: 31 Oct 2019 18:54

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.5  | 29.1  | 87.4  |
| 150     | 155.7 | 0.0   | 348.8 |



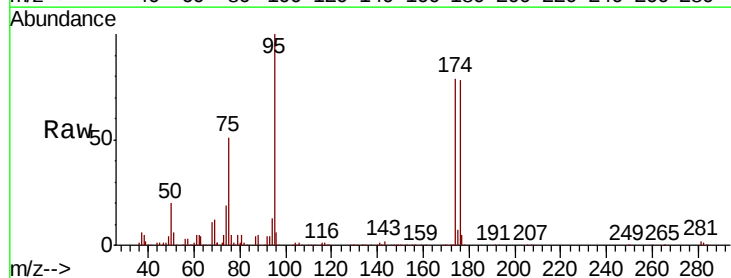
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



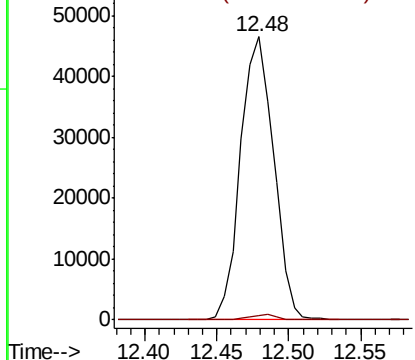
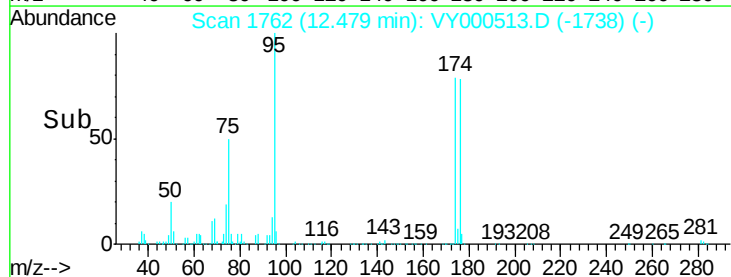
#76

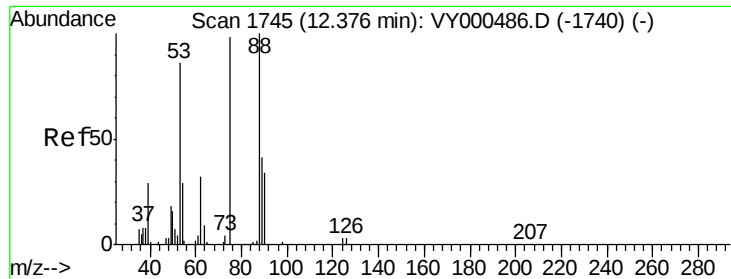
1,2,3-Trichloropropane  
Concen: 45.054 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.15 min  
Lab File: VY000513.D  
Acq: 31 Oct 2019 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 1.5   | 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: 101.018 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.10 min  
 Lab File: VY000513.D  
 Acq: 31 Oct 2019 18:54

Tot Ion: 75 Resp: 74341  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.2 109.8#  
 89 0.0 35.9 53.9#

