

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\  
 Data File : VY001338.D  
 Acq On : 22 Jan 2020 17:59  
 Operator : SY/MD  
 Sample : L1213-03  
 Misc : 6.55G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

Quant Time: Jan 23 04:06:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

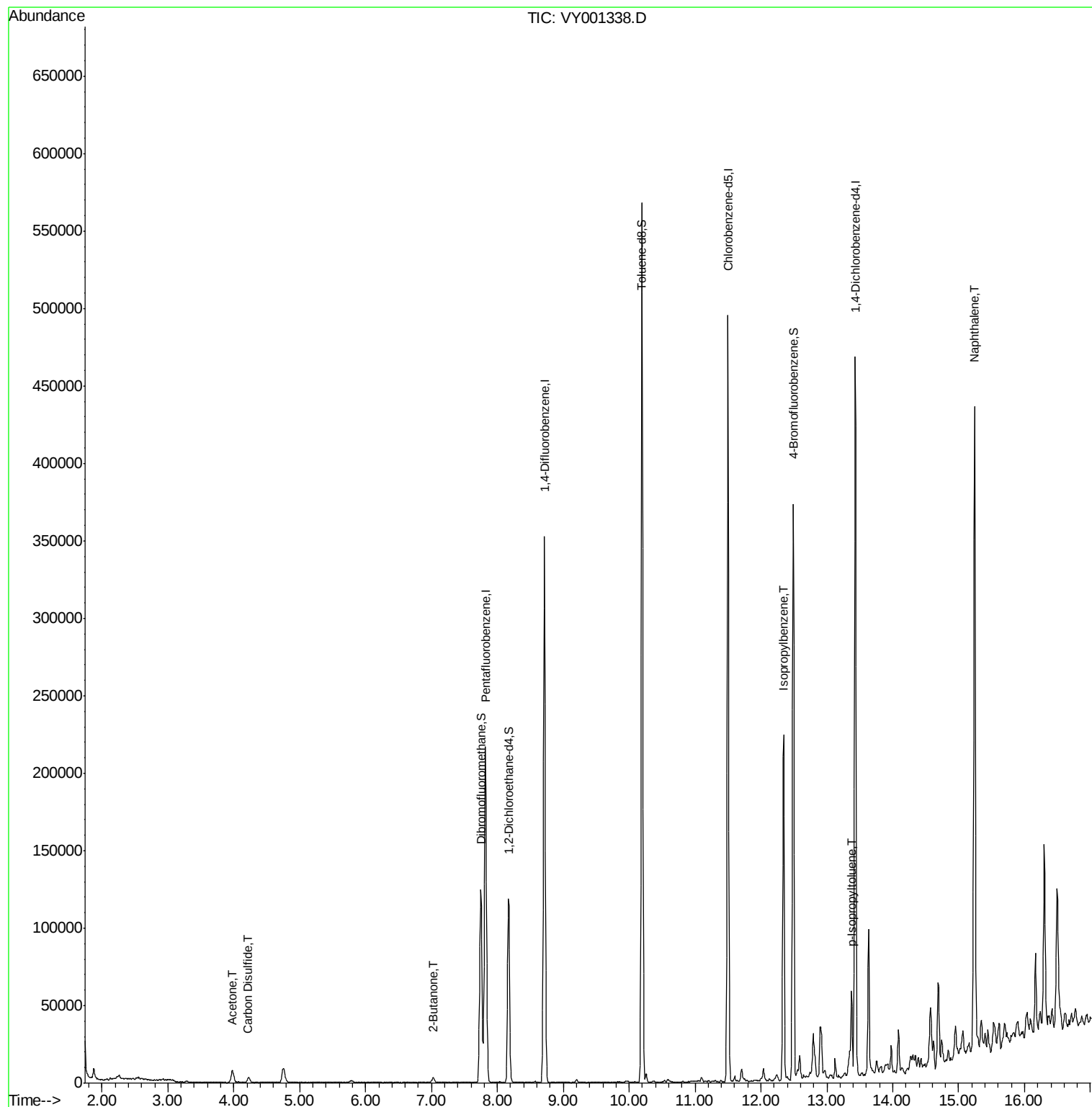
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.82   | 168  | 165873   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71   | 114  | 304743   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50  | 117  | 270768   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.43  | 152  | 111375   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.17   | 65   | 89693    | 49.69  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 99.38%  |          |
| 35) Dibromofluoromethane    | 7.75   | 113  | 88532    | 49.50  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 99.00%  |          |
| 50) Toluene-d8              | 10.19  | 98   | 362401   | 52.15  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 104.30% |          |
| 62) 4-Bromofluorobenzene    | 12.49  | 95   | 122700   | 44.34  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 88.68%  |          |
| Target Compounds            |        |      |          |        |         |          |
| 16) Acetone                 | 3.98   | 43   | 14409    | 23.435 | ug/l    | 95       |
| 17) Carbon Disulfide        | 4.22   | 76   | 6714     | 1.212  | ug/l #  | 95       |
| 25) 2-Butanone              | 7.02   | 43   | 4948     | 6.298  | ug/l    | 94       |
| 73) Isopropylbenzene        | 12.35  | 105  | 10566    | 1.202  | ug/l #  | 66       |
| 86) p-Isopropyltoluene      | 13.38  | 119  | 28819    | 3.722  | ug/l    | 96       |
| 95) Naphthalene             | 15.24  | 128  | 338246   | 63.749 | ug/l    | 100      |

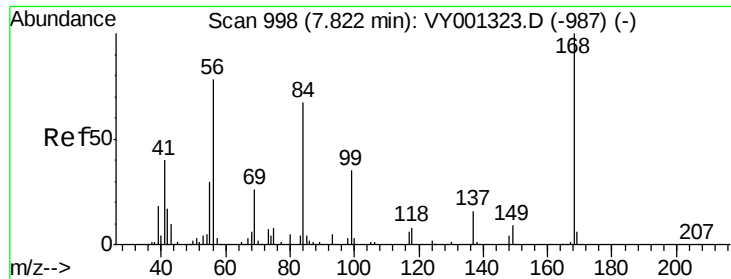
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\  
Data File : VY001338.D  
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Operator : SY/MD  
Sample : L1213-03  
Misc : 6.55G/5ML/MSVOA Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2

Quant Time: Jan 23 04:06:47 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration



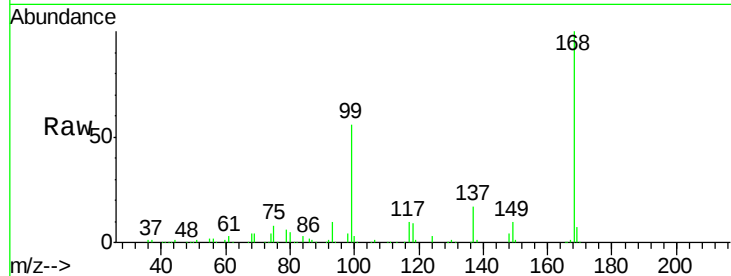


#1

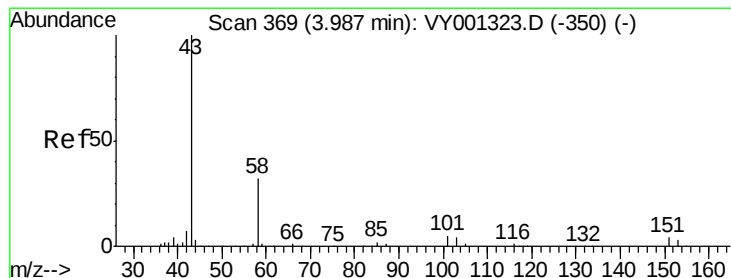
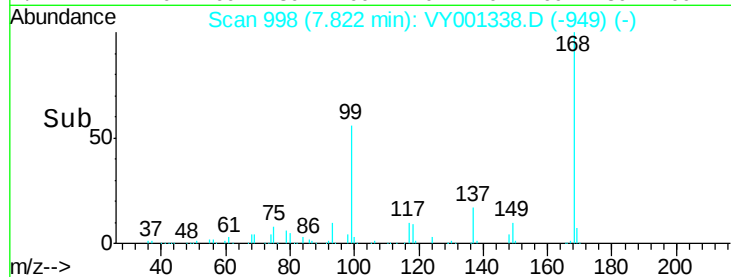
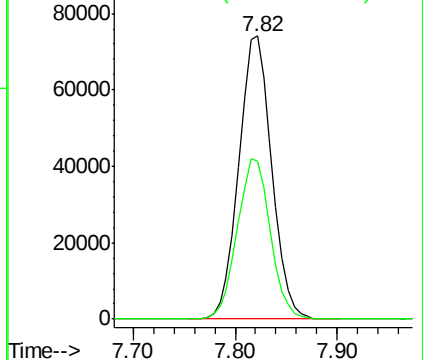
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.82 min Scan# 998  
 Delta R.T. -0.00 min  
 Lab File: VY001338.D  
 Acq: 22 Jan 2020 17:59

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-2

Tot Ion:168 Resp: 165873  
 Ion Ratio Lower Upper  
 168 100  
 99 56.0 44.3 66.5



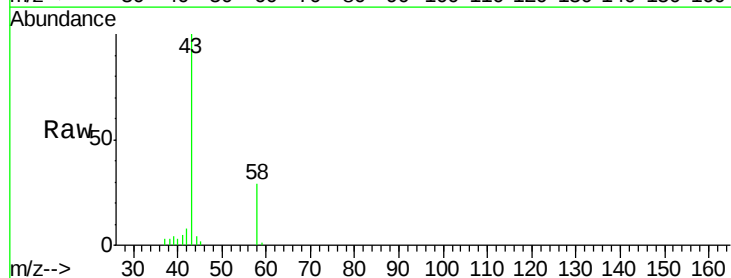
Abundance Ion 167.90 (167.60 to 168.60): VY001338.D (-949) (-)  
 Ion 98.90 (98.60 to 99.60): VY001338.D (-949) (-)



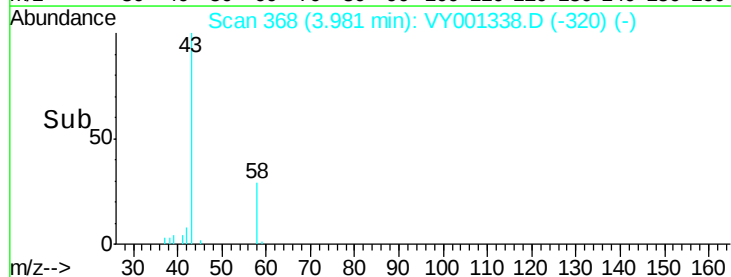
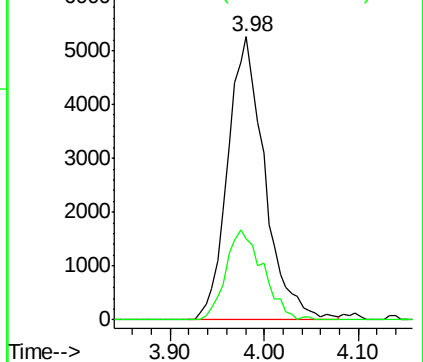
#16

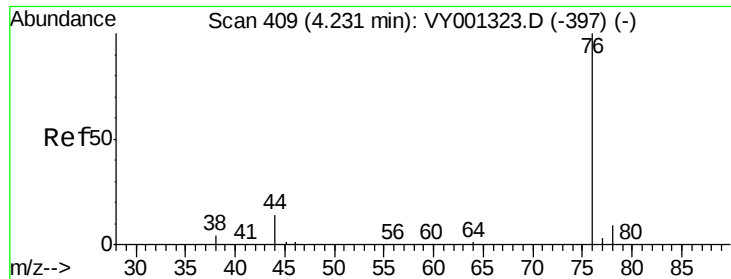
Acetone  
 Concen: 23.435 ug/l  
 RT: 3.98 min Scan# 368  
 Delta R.T. -0.01 min  
 Lab File: VY001338.D  
 Acq: 22 Jan 2020 17:59

Tgt Ion: 43 Resp: 14409  
 Ion Ratio Lower Upper  
 43 100  
 58 28.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY001338.D (-320) (-)  
 Ion 58.00 (57.70 to 58.70): VY001338.D (-320) (-)

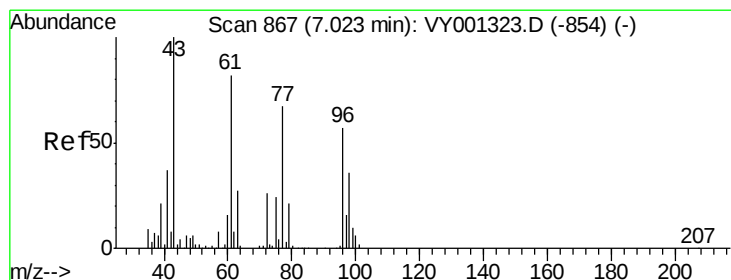
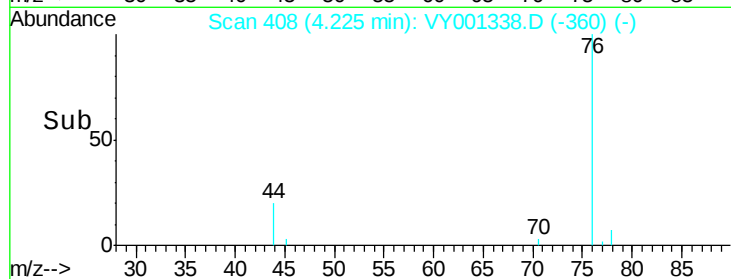
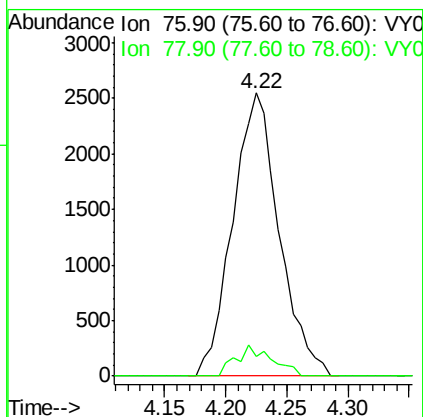
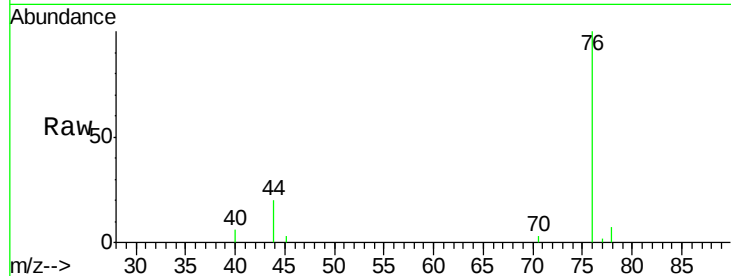




#17  
Carbon Disulfide  
Concen: 1.212 ug/l  
RT: 4.22 min Scan# 408  
Delta R.T. -0.01 min  
Lab File: VY001338.D  
Acq: 22 Jan 2020 17:59

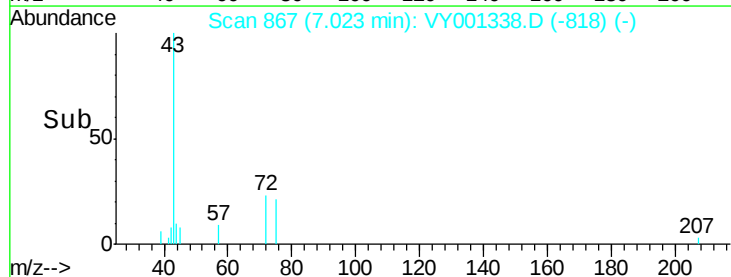
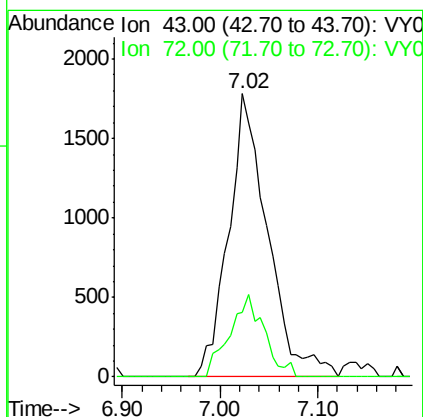
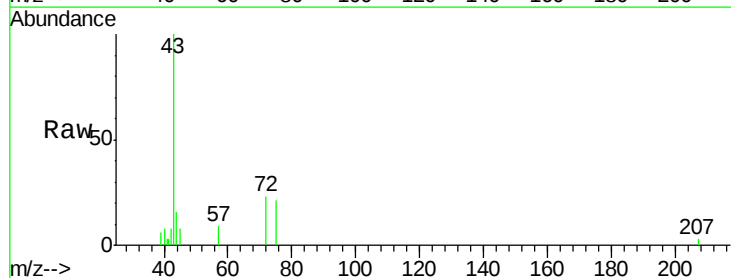
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2

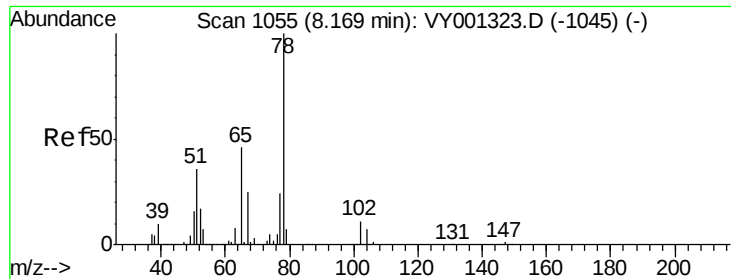
Tot Ion: 76 Resp: 6714  
Ion Ratio Lower Upper  
76 100  
78 6.9 7.0 10.6#



#25  
2-Butanone  
Concen: 6.298 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. -0.00 min  
Lab File: VY001338.D  
Acq: 22 Jan 2020 17:59

Tgt Ion: 43 Resp: 4948  
Ion Ratio Lower Upper  
43 100  
72 23.0 20.6 31.0

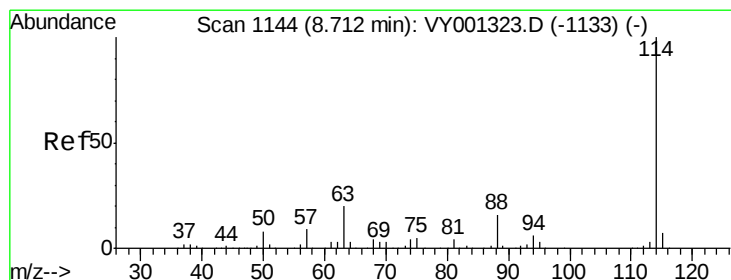
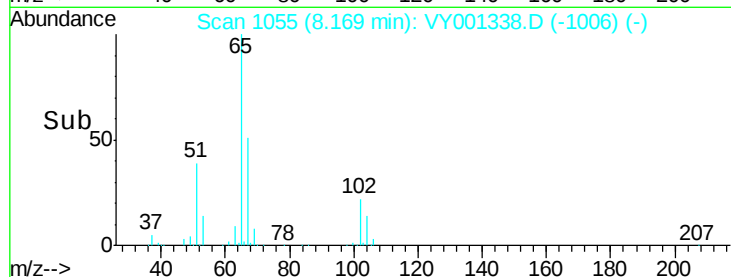
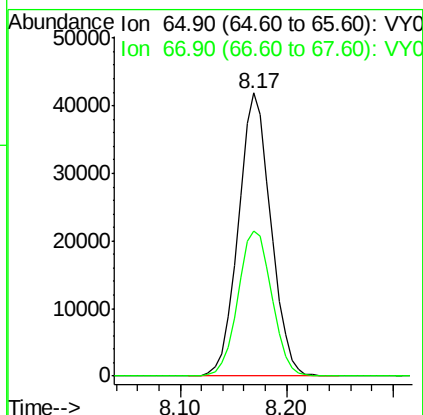
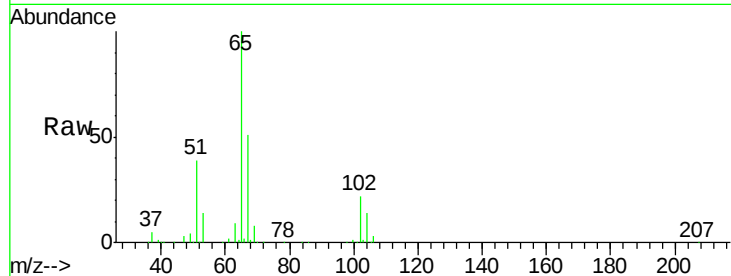




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.693 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. -0.00 min  
 Lab File: VY001338.D  
 Acq: 22 Jan 2020 17:59

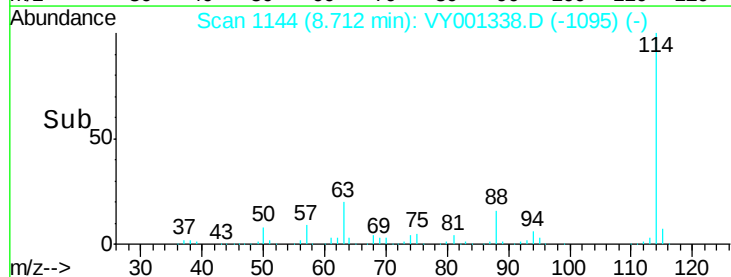
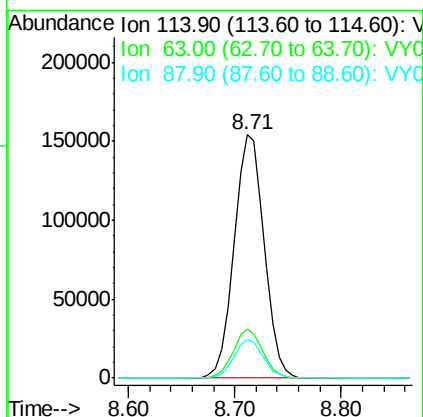
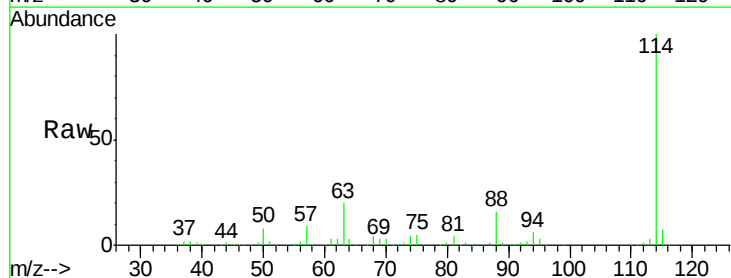
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

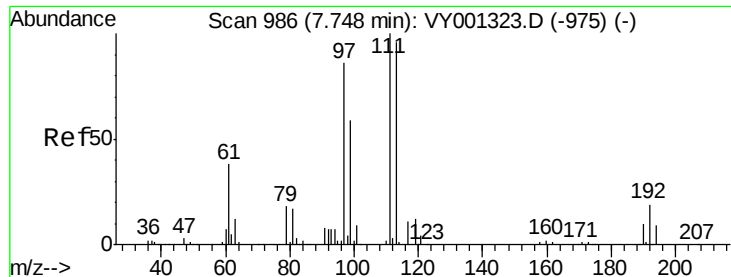
Tot Ion: 65 Resp: 89693  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 108.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. -0.00 min  
 Lab File: VY001338.D  
 Acq: 22 Jan 2020 17:59

Tgt Ion: 114 Resp: 304743  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.8  
 88 16.0 0.0 31.0

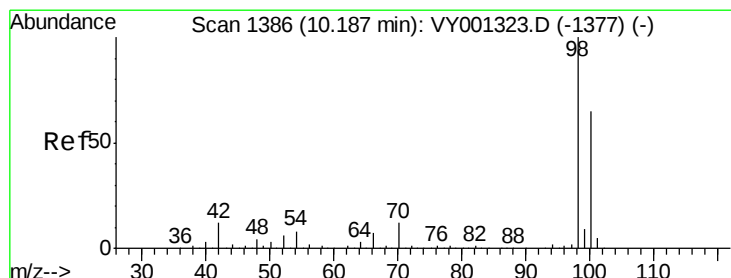
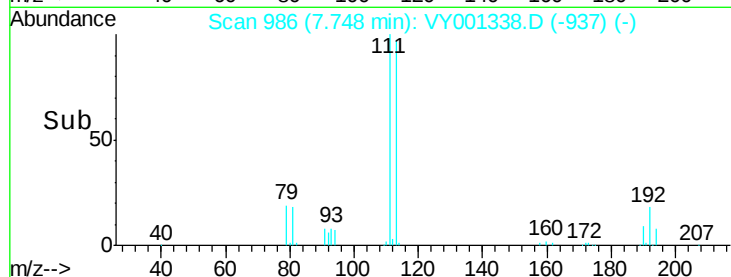
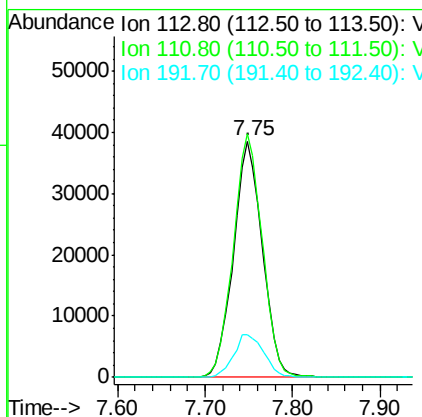
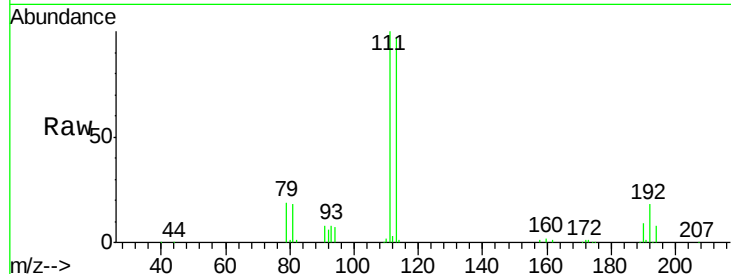




#35  
 Dibromofluoromethane  
 Concen: 49.499 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. -0.00 min  
 Lab File: VY001338.D  
 Acq: 22 Jan 2020 17:59

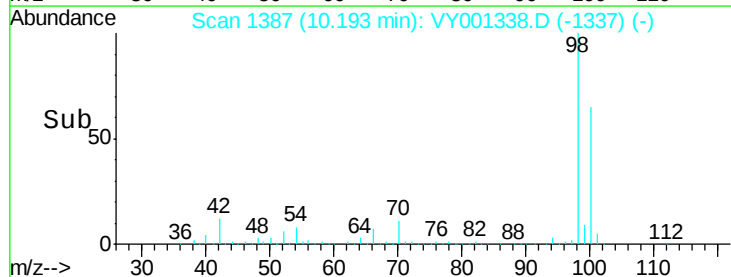
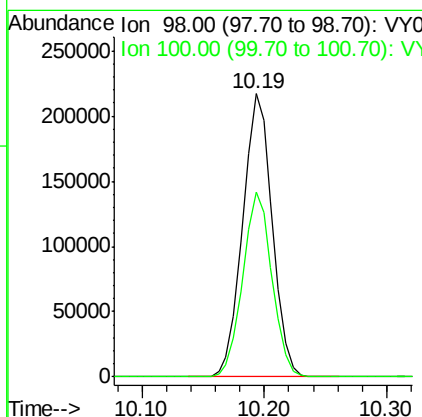
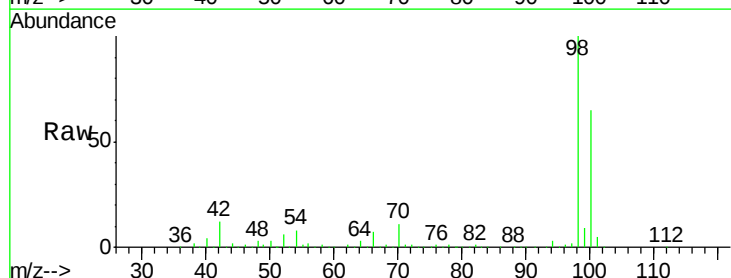
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-2

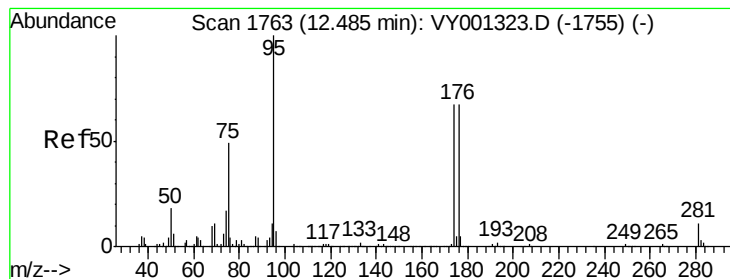
Tot Ion:113 Resp: 88532  
 Ion Ratio Lower Upper  
 113 100  
 111 103.5 82.8 124.2  
 192 19.1 15.5 23.3



#50  
 Toluene-d8  
 Concen: 52.152 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. 0.01 min  
 Lab File: VY001338.D  
 Acq: 22 Jan 2020 17:59

Tgt Ion: 98 Resp: 362401  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 44.339 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001338.D

Acq: 22 Jan 2020 17:59

Instrument :

MSVOA\_Y

ClientSampled :

TP-2

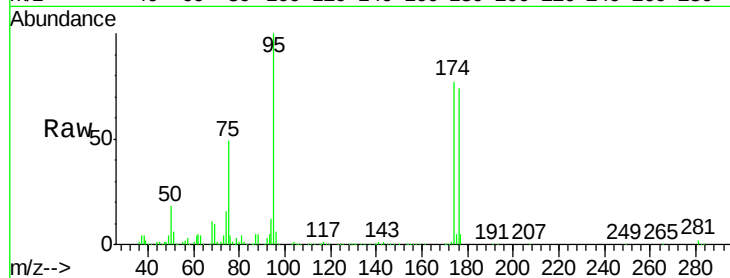
Tot Ion: 95 Resp: 122700

Ion Ratio Lower Upper

95 100

174 75.2 0.0 142.0

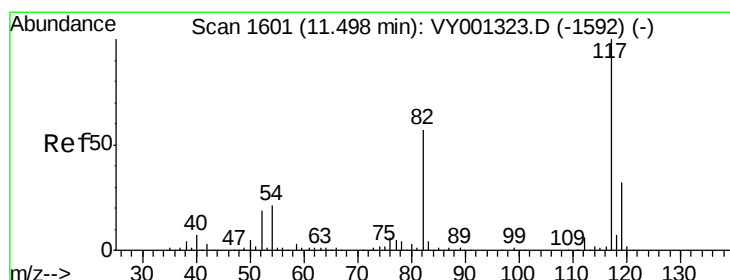
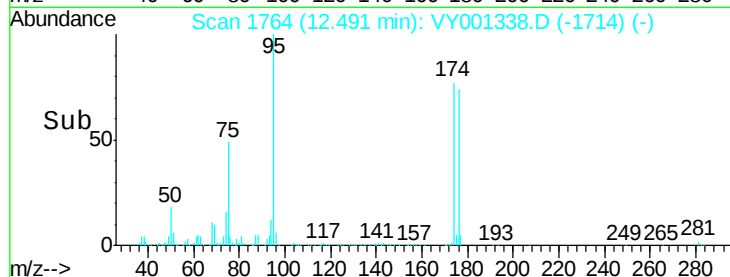
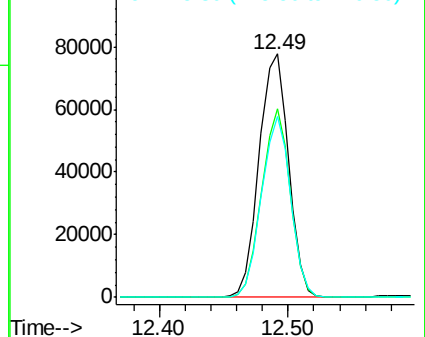
176 73.3 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001338.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001338.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001338.D (-1714) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001338.D

Acq: 22 Jan 2020 17:59

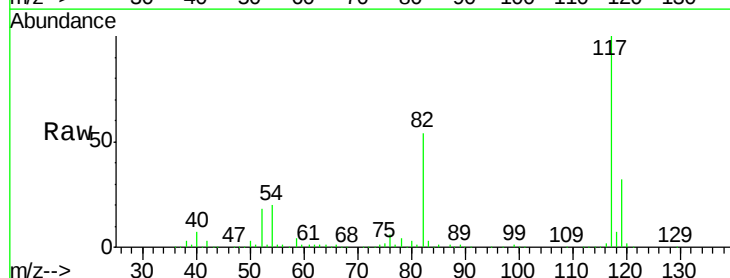
Tgt Ion: 117 Resp: 270768

Ion Ratio Lower Upper

117 100

82 54.1 45.5 68.3

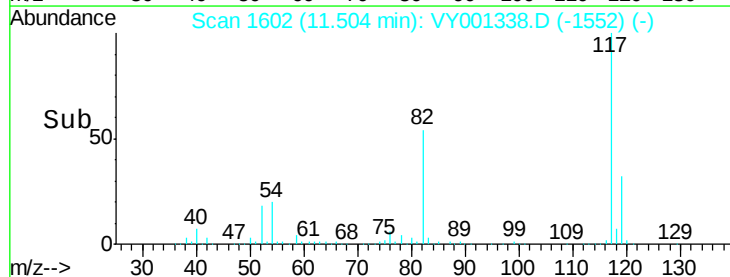
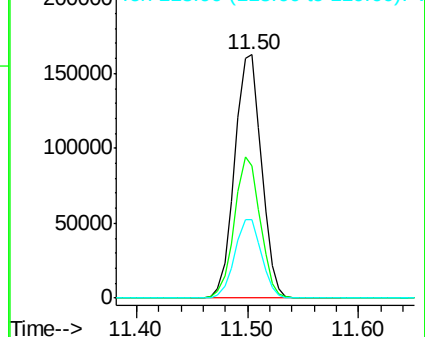
119 32.0 25.8 38.6

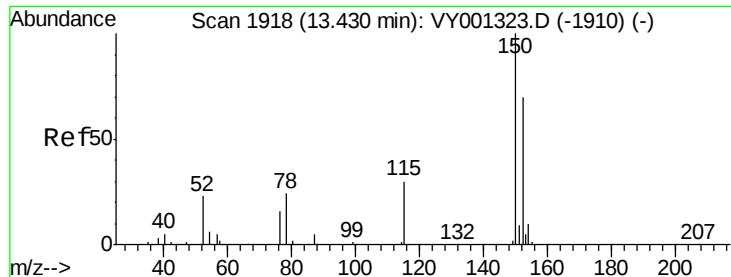


Abundance Ion 116.90 (116.60 to 117.60): VY001338.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001338.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001338.D (-1552) (-)



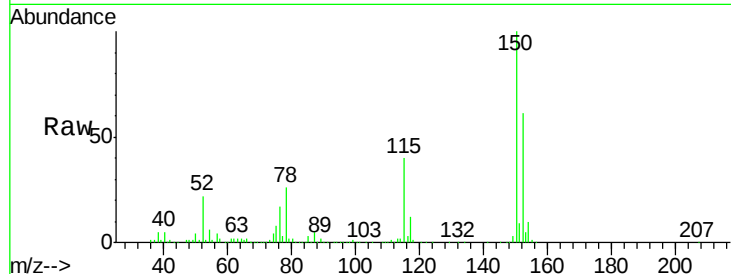


#72

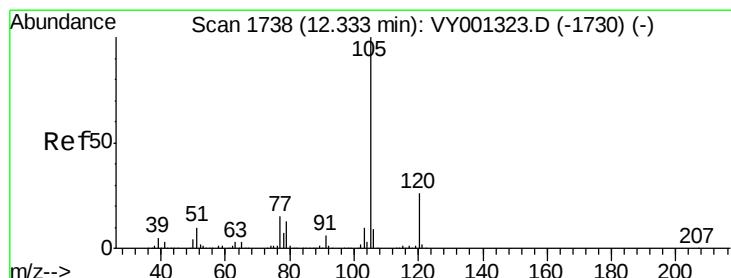
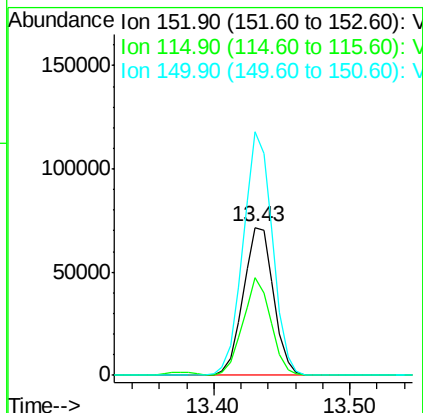
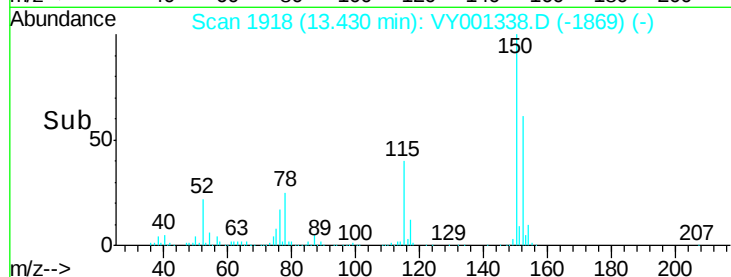
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: VY001338.D  
Acq: 22 Jan 2020 17:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-2

Tot Ion:152 Resp: 111375  
Ion Ratio Lower Upper  
152 100  
115 61.0 30.9 92.8  
150 159.3 0.0 349.2



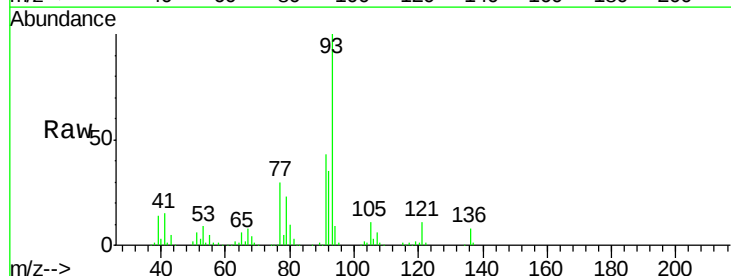
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



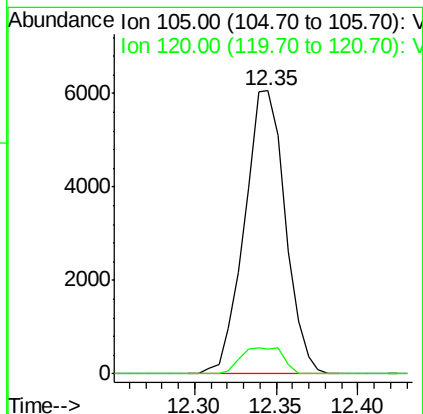
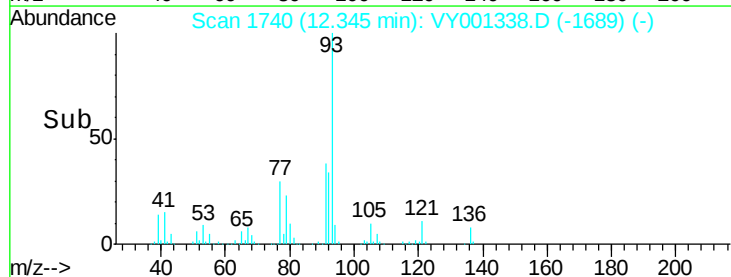
#73

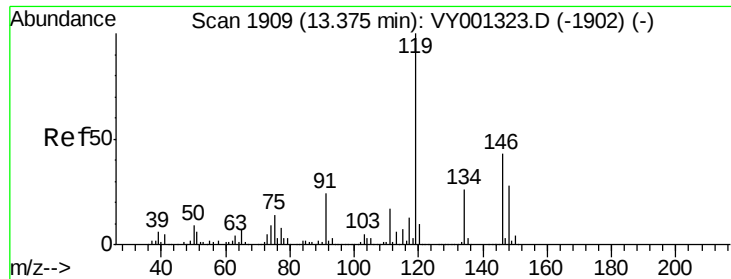
Isopropylbenzene  
Concen: 1.202 ug/l  
RT: 12.35 min Scan# 1740  
Delta R.T. 0.01 min  
Lab File: VY001338.D  
Acq: 22 Jan 2020 17:59

Tgt Ion:105 Resp: 10566  
Ion Ratio Lower Upper  
105 100  
120 9.6 13.5 40.4#



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

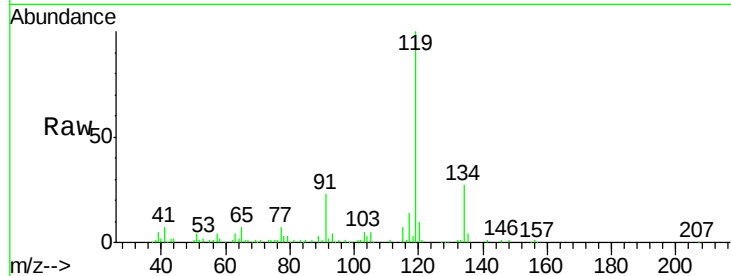




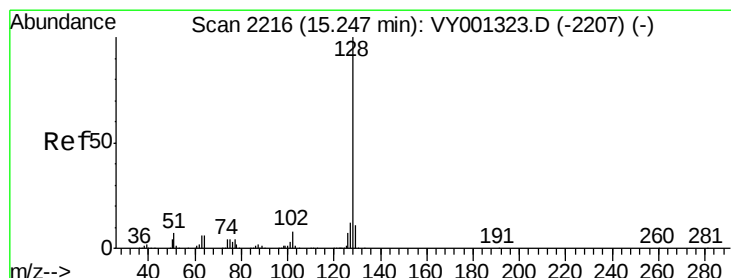
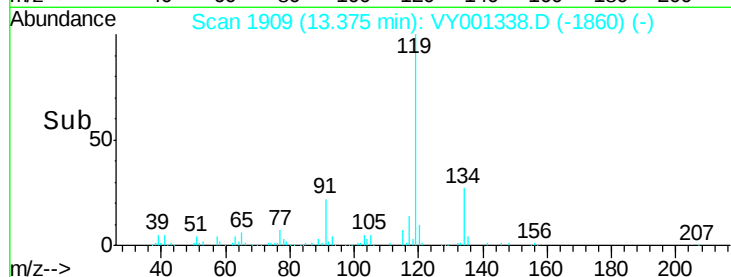
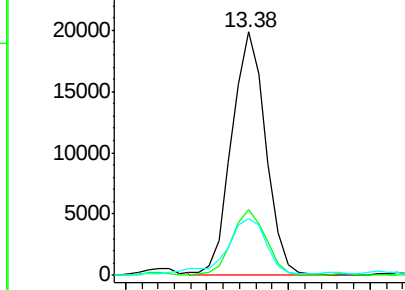
#86  
p-Isopropyltoluene  
Concen: 3.722 ug/l  
RT: 13.38 min Scan# 1909  
Delta R.T. -0.00 min  
Lab File: VY001338.D  
Acq: 22 Jan 2020 17:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-2

Tot Ion:119 Resp: 28819  
Ion Ratio Lower Upper  
119 100  
134 27.1 13.5 40.4  
91 28.6 12.2 36.6

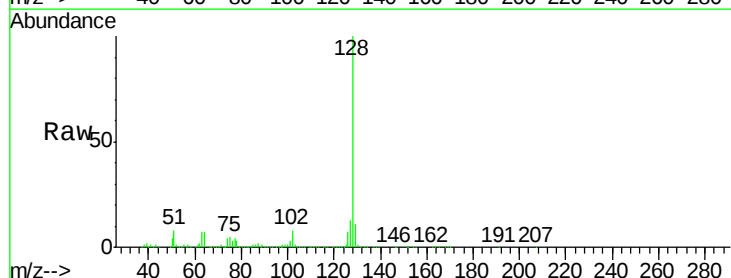


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V



#95  
Naphthalene  
Concen: 63.749 ug/l  
RT: 15.24 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: VY001338.D  
Acq: 22 Jan 2020 17:59

Tgt Ion:128 Resp: 338246  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

