

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\  
 Data File : VY001599.D  
 Acq On : 11 Feb 2020 15:14  
 Operator : SY/MD  
 Sample : L1488-03  
 Misc : 6.57G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LF012-TL-SW-200207

Quant Time: Feb 12 08:16:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 15:10:08 2020  
 Response via : Initial Calibration

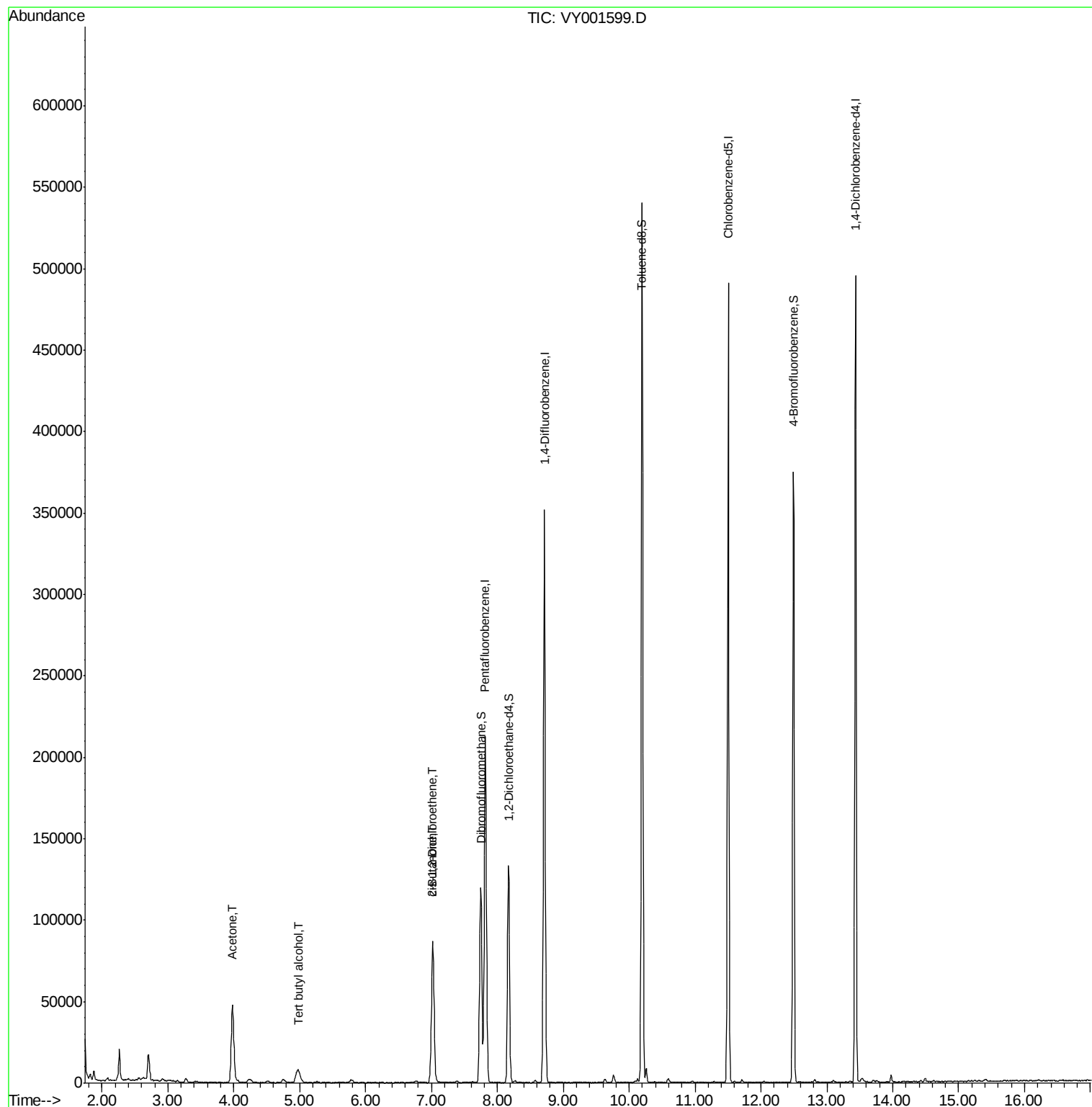
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 165315   | 50.00   | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 298435   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 265329   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 118303   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 98900    | 59.42   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 118.84% |          |
| 35) Dibromofluoromethane    | 7.75  | 113  | 85925    | 49.93   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.86%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 357545   | 54.91   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 109.82% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 123107   | 48.00   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.00%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 11) Tert butyl alcohol      | 4.98  | 59   | 13330    | 43.251  | ug/l #  | 79       |
| 16) Acetone                 | 3.98  | 43   | 87375    | 181.476 | ug/l    | 99       |
| 25) 2-Butanone              | 7.02  | 43   | 11228    | 17.975  | ug/l    | 91       |
| 27) cis-1,2-Dichloroethene  | 7.02  | 96   | 34572    | 16.382  | ug/l    | 95       |

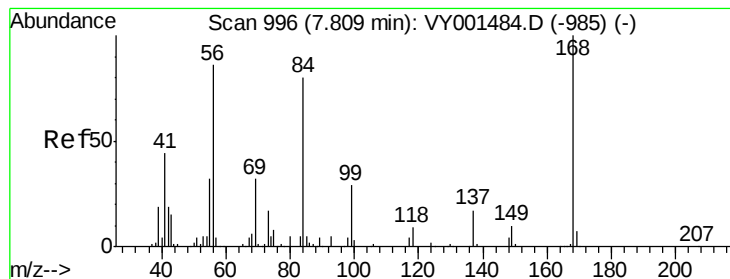
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021120\  
Data File : VY001599.D  
Acq On : 11 Feb 2020 15:14  
Operator : SY/MD  
Sample : L1488-03  
Misc : 6.57G/5ML/MSVOA Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LF012-TL-SW-200207

Quant Time: Feb 12 08:16:32 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 04 15:10:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA\_Y

ClientSampleId :

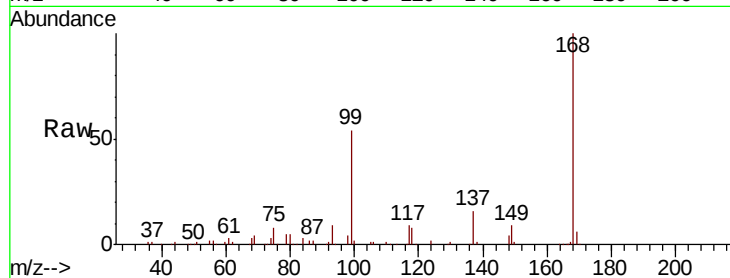
LF012-TL-SW-200207

Tot Ion:168 Resp: 165315

Ion Ratio Lower Upper

168 100

99 53.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001599.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001599.D (-947) (-)

7.82

80000

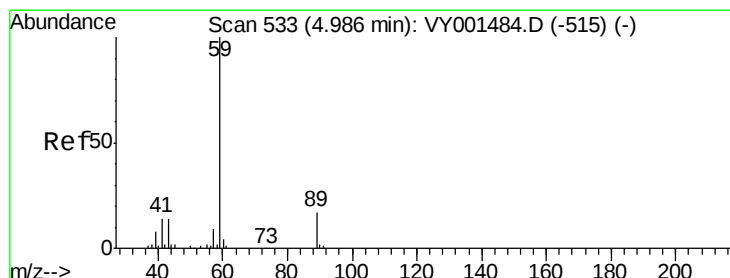
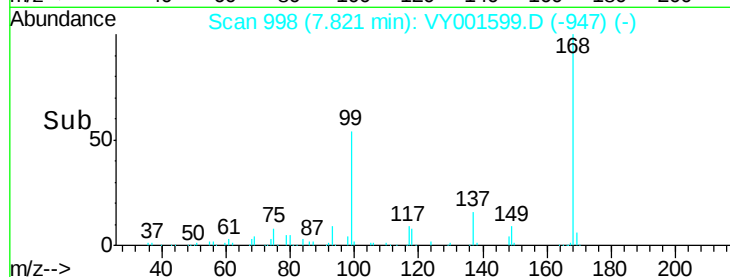
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 43.251 ug/l

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001599.D

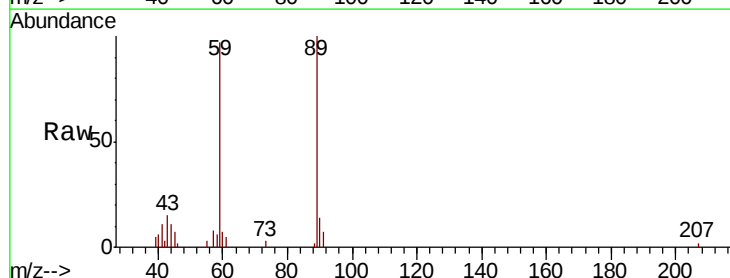
Acq: 11 Feb 2020 15:14

Tgt Ion: 59 Resp: 13330

Ion Ratio Lower Upper

59 100

57 1.1 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001599.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001599.D (-484) (-)

4.98

3000

2500

2000

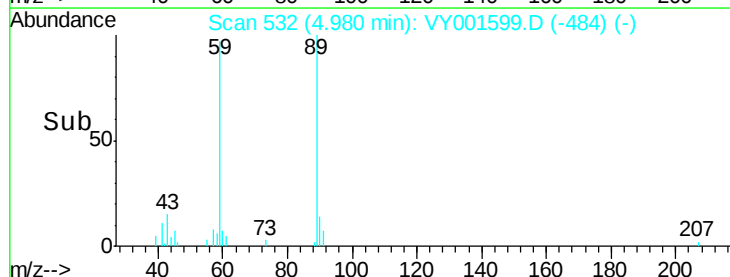
1500

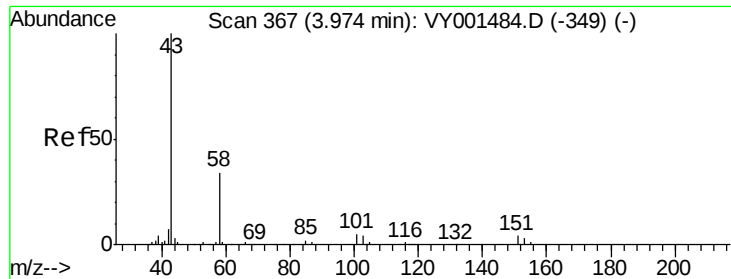
1000

500

0

Time--> 4.80 4.90 5.00 5.10

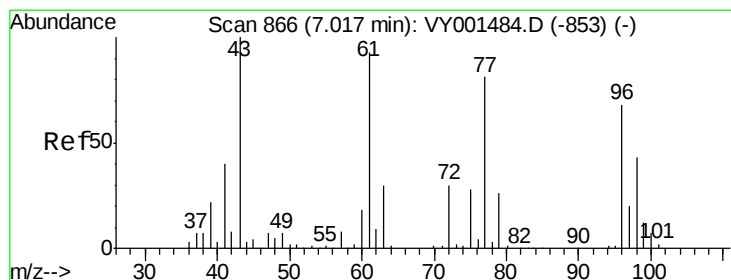
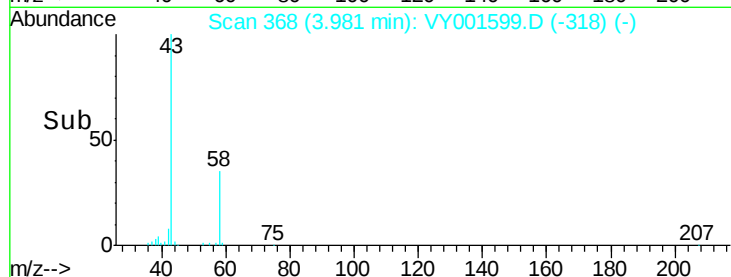
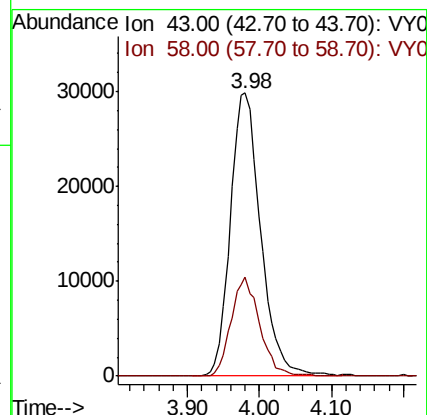
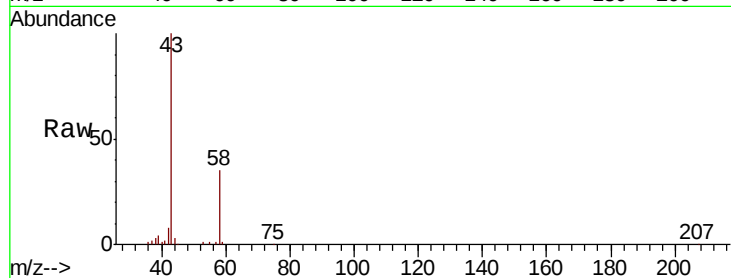




#16  
Acetone  
Concen: 181.476 ug/l  
RT: 3.98 min Scan# 368  
Delta R.T. 0.01 min  
Lab File: VY001599.D  
Acq: 11 Feb 2020 15:14

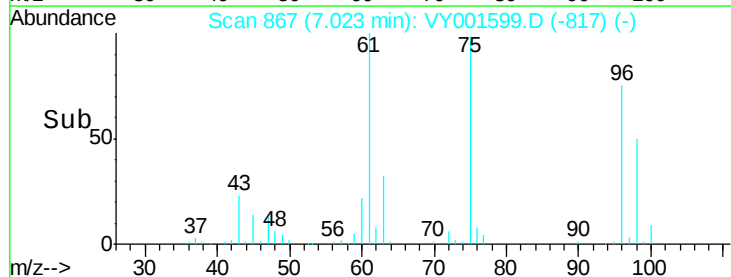
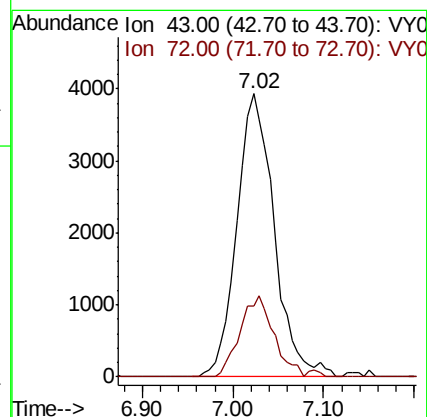
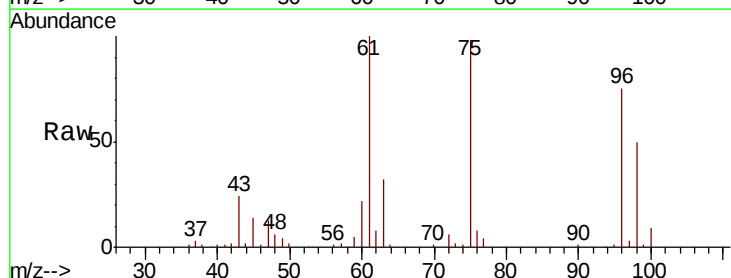
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LF012-TL-SW-200207

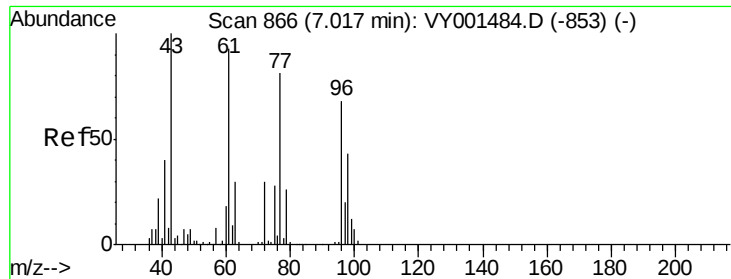
Tot Ion: 43 Resp: 87375  
Ion Ratio Lower Upper  
43 100  
58 35.1 27.5 41.3



#25  
2-Butanone  
Concen: 17.975 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VY001599.D  
Acq: 11 Feb 2020 15:14

Tgt Ion: 43 Resp: 11228  
Ion Ratio Lower Upper  
43 100  
72 24.9 23.8 35.8



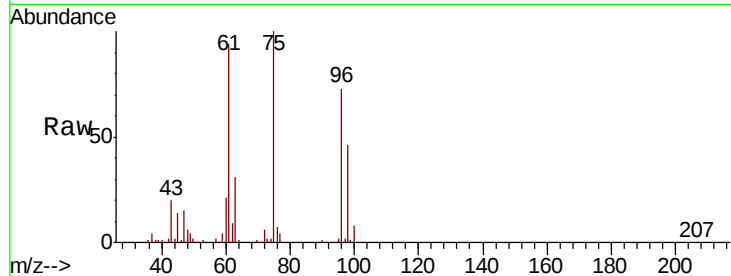


#27

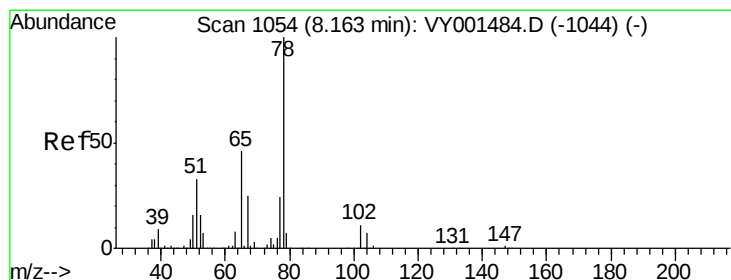
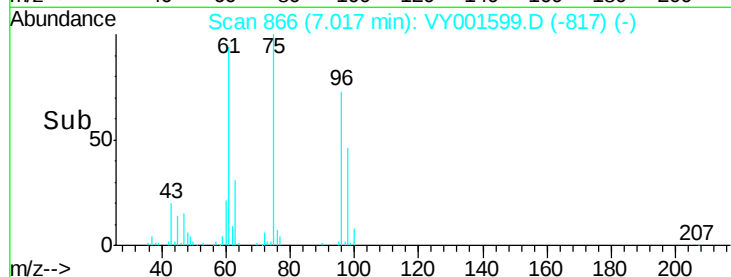
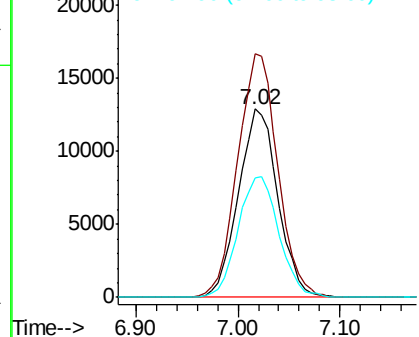
cis-1,2-Dichloroethene  
 Concen: 16.382 ug/l  
 RT: 7.02 min Scan# 866  
 Delta R.T. 0.00 min  
 Lab File: VY001599.D  
 Acq: 11 Feb 2020 15:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LF012-TL-SW-200207

Tot Ion: 96 Resp: 34572  
 Ion Ratio Lower Upper  
 96 100  
 61 131.4 0.0 278.8  
 98 66.2 0.0 128.8



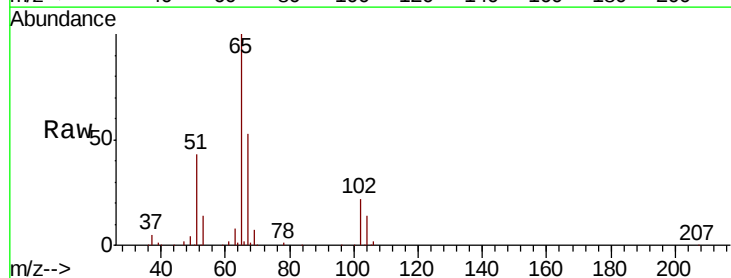
Abundance Ion 95.90 (95.60 to 96.60): VY0  
 Ion 60.90 (60.60 to 61.60): VY0  
 Ion 97.90 (97.60 to 98.60): VY0



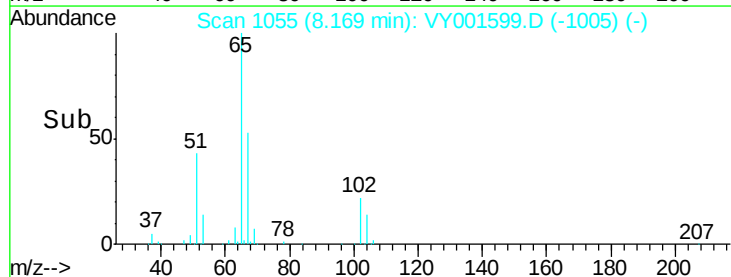
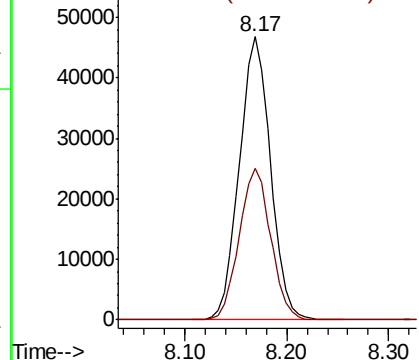
#33

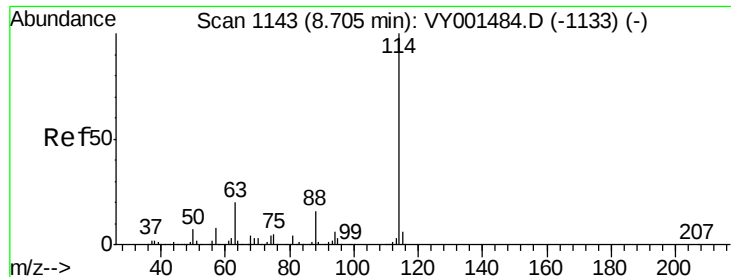
1,2-Dichloroethane-d4  
 Concen: 59.418 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. 0.01 min  
 Lab File: VY001599.D  
 Acq: 11 Feb 2020 15:14

Tgt Ion: 65 Resp: 98900  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 108.6



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. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA\_Y

ClientSampleId :

LF012-TL-SW-200207

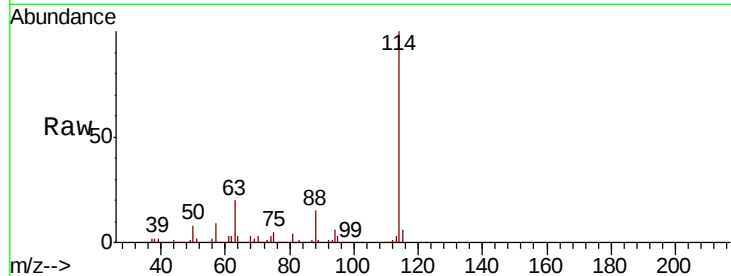
Tot Ion:114 Resp: 298435

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

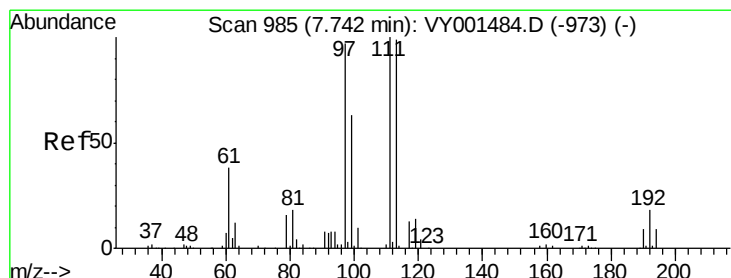
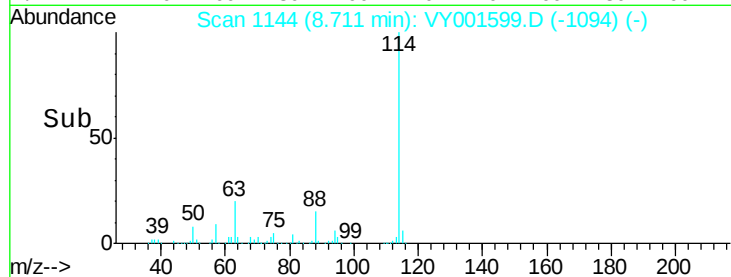
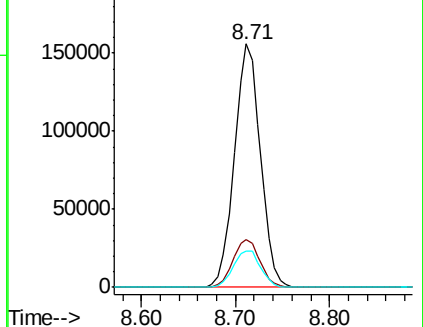
88 15.1 0.0 32.6



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: 49.930 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

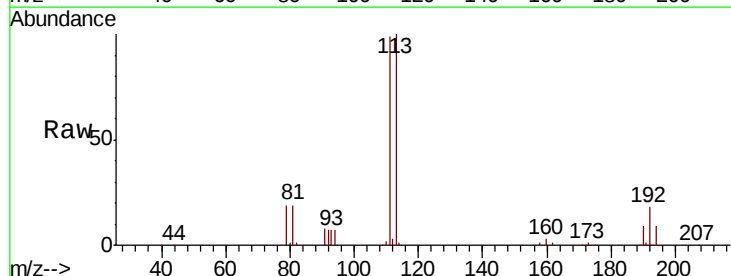
Tgt Ion:113 Resp: 85925

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

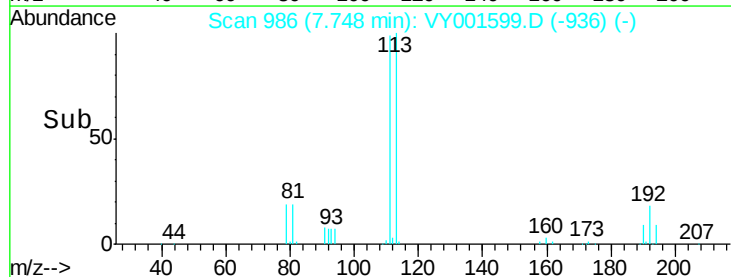
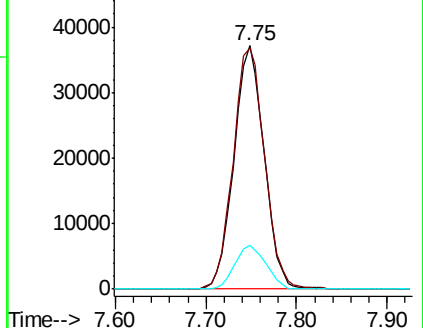
192 18.5 14.6 22.0

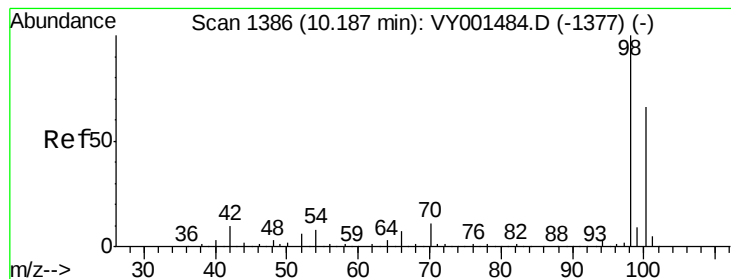


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 54.914 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA\_Y

ClientSampleId :

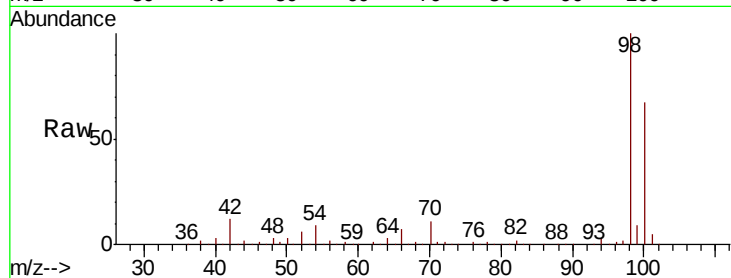
LF012-TL-SW-200207

Tot Ion: 98 Resp: 357545

Ion Ratio Lower Upper

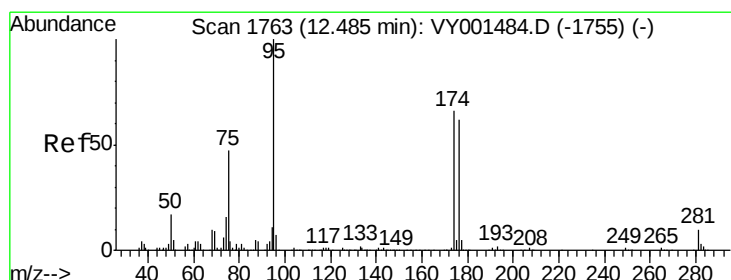
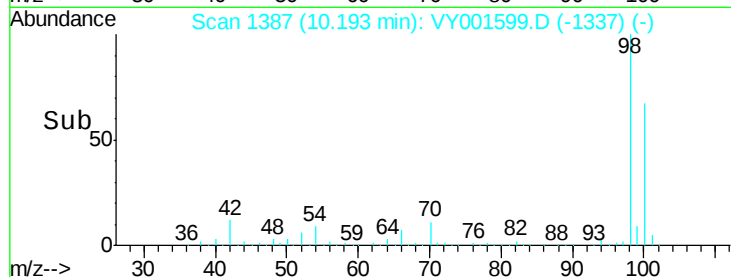
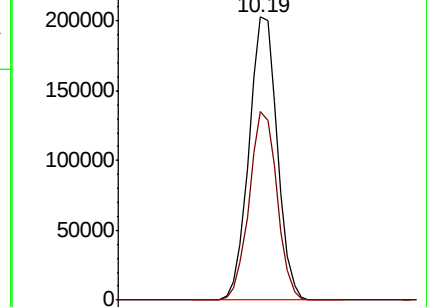
98 100

100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 47.995 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

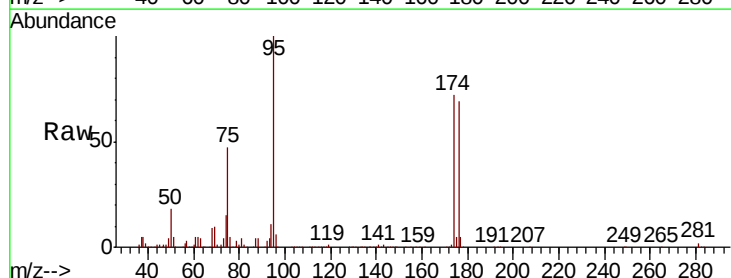
Tgt Ion: 95 Resp: 123107

Ion Ratio Lower Upper

95 100

174 75.2 0.0 141.4

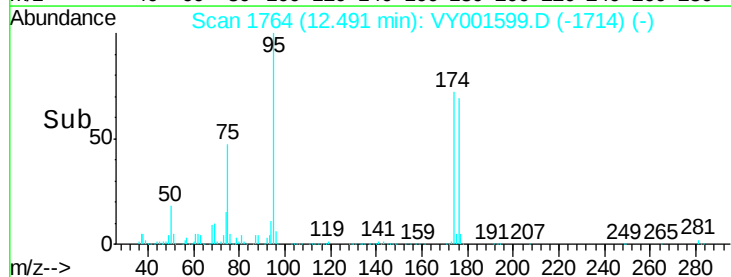
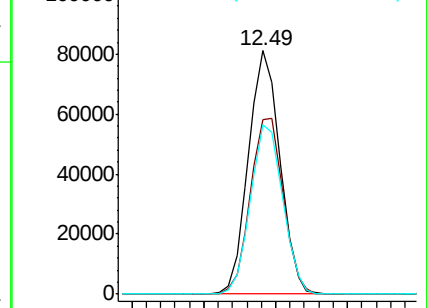
176 71.2 0.0 135.4

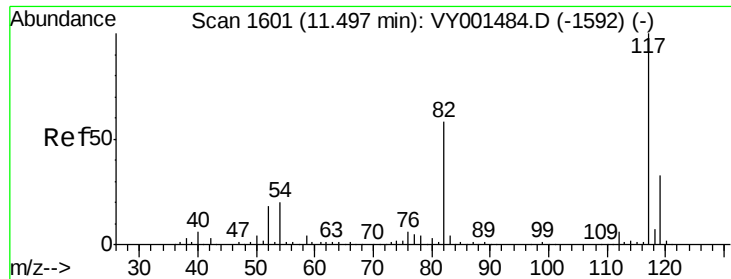


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

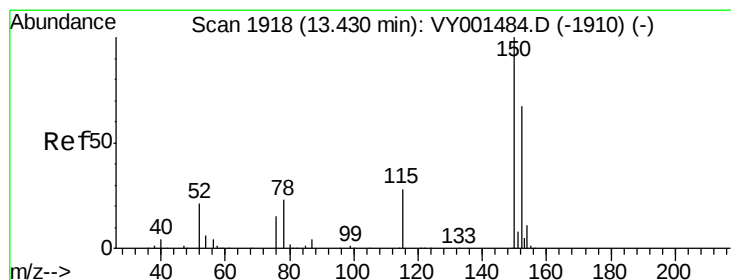
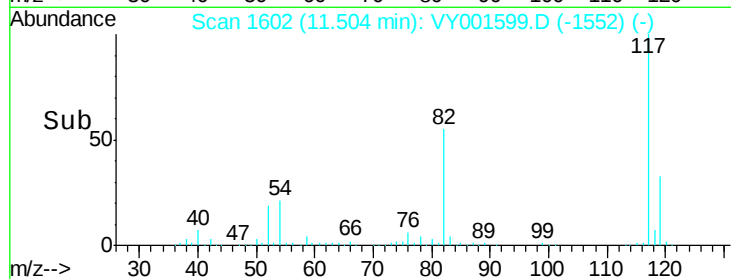
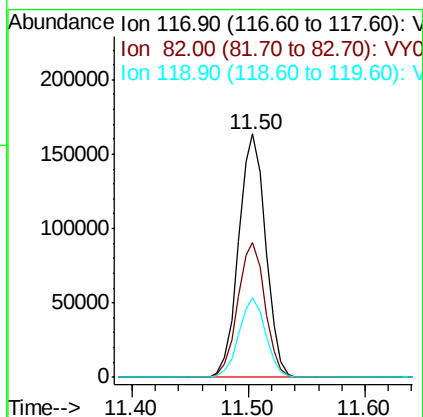
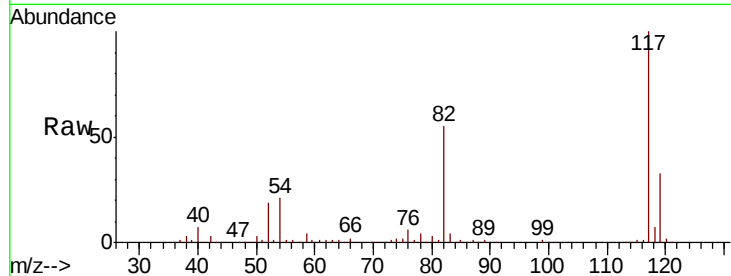




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY001599.D  
Acq: 11 Feb 2020 15:14

Instrument :  
MSVOA\_Y  
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Tot Ion:117 Resp: 265329  
Ion Ratio Lower Upper  
117 100  
82 55.2 46.1 69.1  
119 32.7 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY001599.D  
Acq: 11 Feb 2020 15:14

Tgt Ion:152 Resp: 118303  
Ion Ratio Lower Upper  
152 100  
115 59.8 31.4 94.3  
150 158.3 0.0 346.8

