

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022620\  
 Data File : VY001783.D  
 Acq On : 26 Feb 2020 14:47  
 Operator : SY/MD  
 Sample : L1694-02  
 Misc : 7.48G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B2-12-12.5-BGS

Quant Time: Feb 26 16:12:26 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

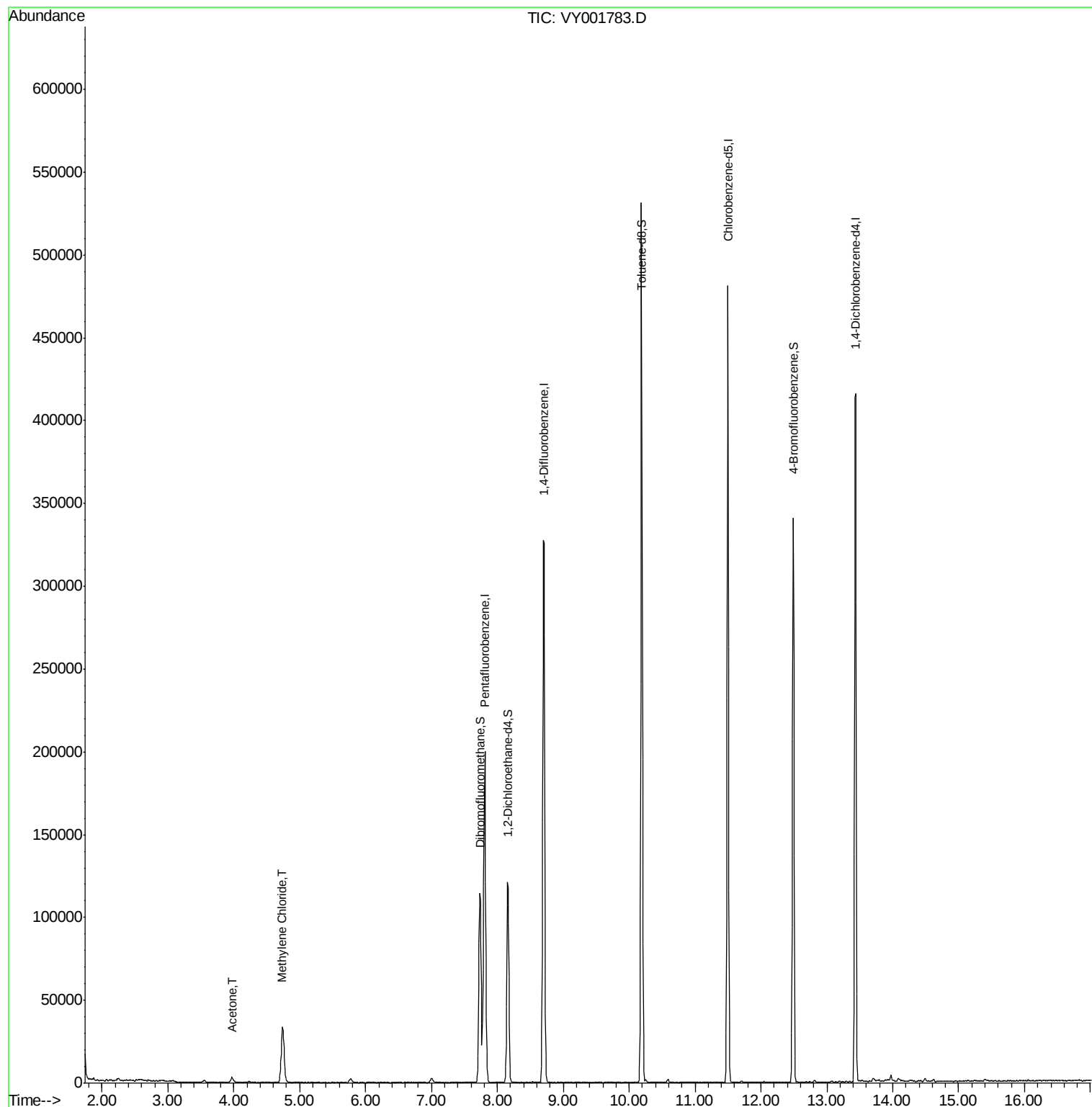
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 152221   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 285525   | 50.00  | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 252511   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 103908   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 90903    | 55.52  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.04% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 84107    | 51.43  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.86% |          |
| 50) Toluene-d8              | 10.19 | 98   | 345550   | 53.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.86% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 111659   | 44.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.72%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.98  | 43   | 6010     | 10.608 | ug/l    | 100      |
| 20) Methylene Chloride      | 4.74  | 84   | 25822    | 12.832 | ug/l    | 95       |

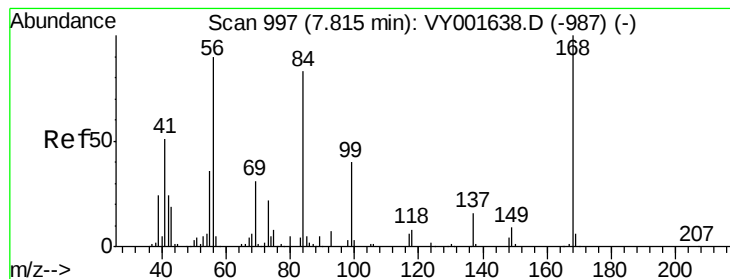
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B2-12-12.5-BGS

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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: VY001783.D

Acq: 26 Feb 2020 14:47

Instrument :

MSVOA\_Y

ClientSampleId :

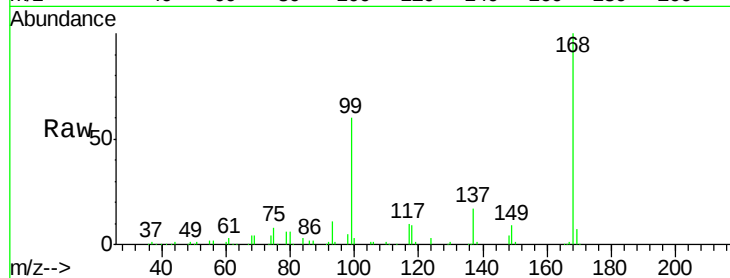
B2-12-12.5-BGS

Tot Ion:168 Resp: 152221

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

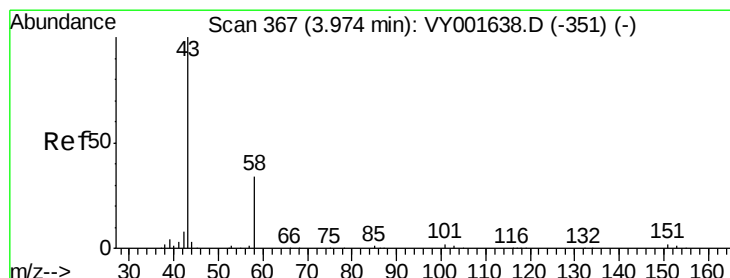
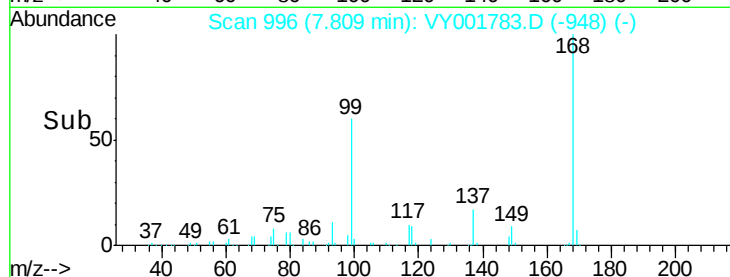
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 10.608 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001783.D

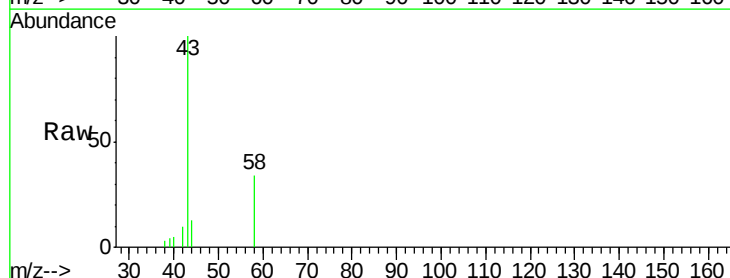
Acq: 26 Feb 2020 14:47

Tgt Ion: 43 Resp: 6010

Ion Ratio Lower Upper

43 100

58 34.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

2500

2000

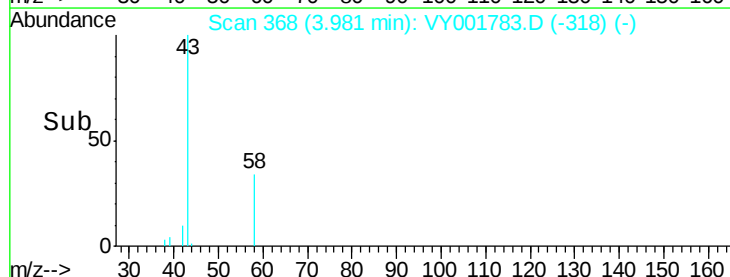
1500

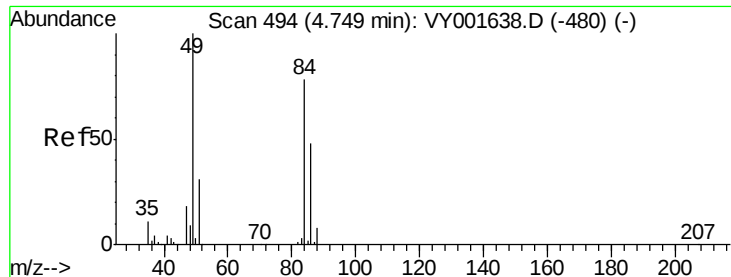
1000

500

0

Time-->



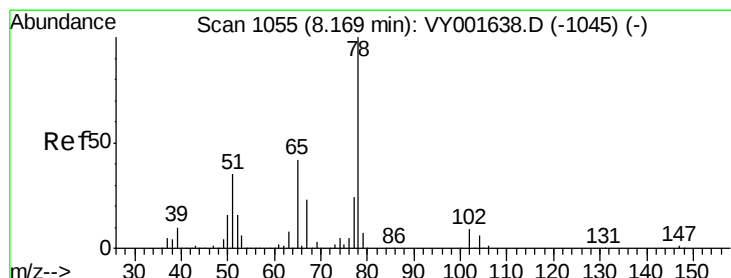
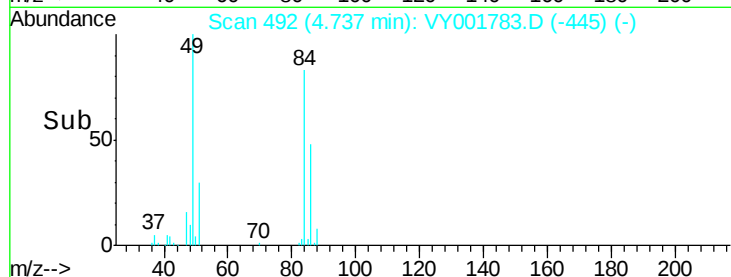
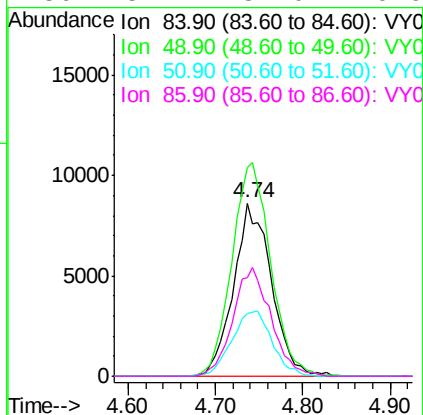
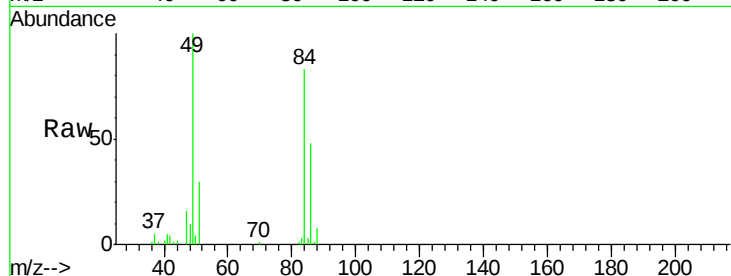


#20  
Methvlene Chloride  
Concen: 12.832 ug/l  
RT: 4.74 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VY001783.D  
Acq: 26 Feb 2020 14:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B2-12-12.5-BGS

Tot Ion: 84 Resp: 25822

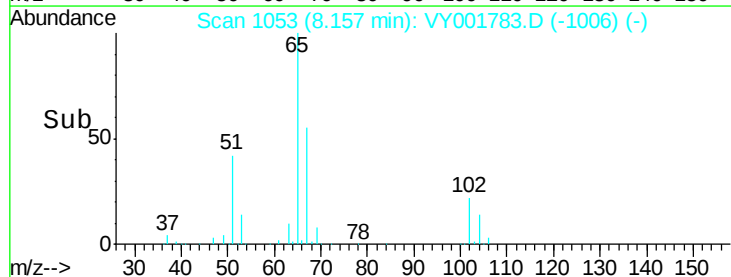
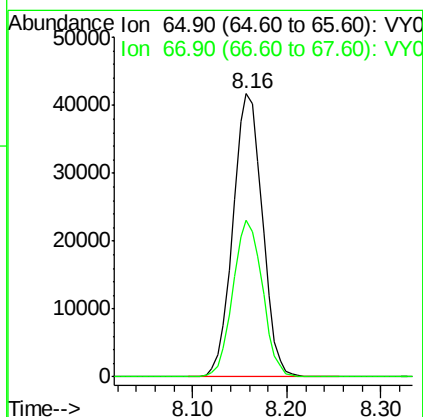
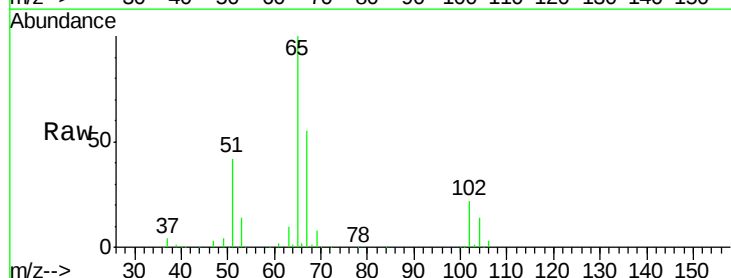
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.4 | 99.2  | 148.8 |
| 51  | 36.3  | 31.5  | 47.3  |
| 86  | 57.4  | 51.0  | 76.6  |

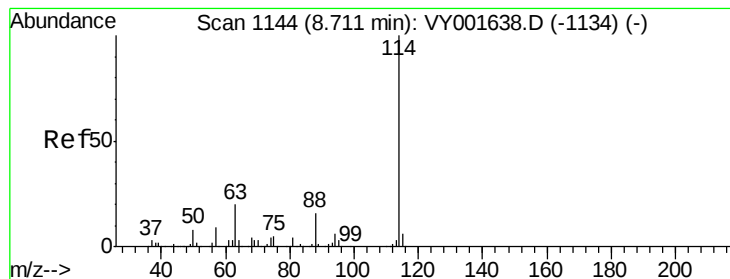


#33  
1,2-Dichloroethane-d4  
Concen: 55.518 ug/l  
RT: 8.16 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: VY001783.D  
Acq: 26 Feb 2020 14:47

Tgt Ion: 65 Resp: 90903

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 55.2  | 0.0   | 111.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001783.D

Acq: 26 Feb 2020 14:47

Instrument :

MSVOA\_Y

ClientSampleId :

B2-12-12.5-BGS

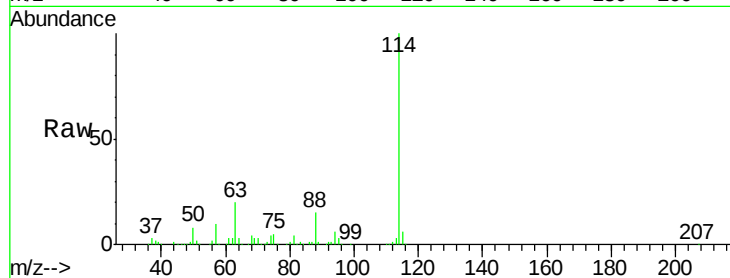
Tot Ion:114 Resp: 28525

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

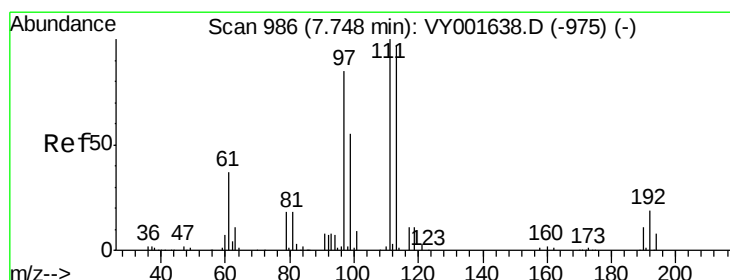
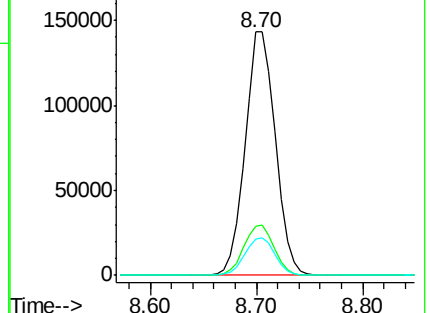
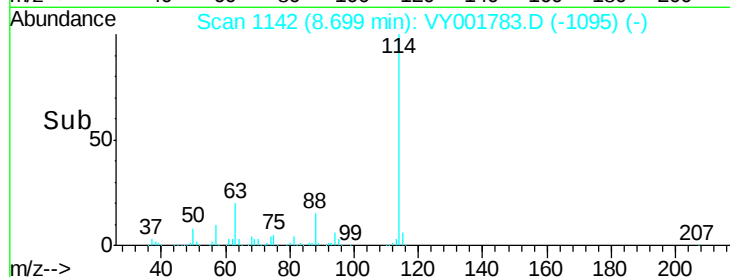
88 14.9 0.0 32.8



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: 51.430 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001783.D

Acq: 26 Feb 2020 14:47

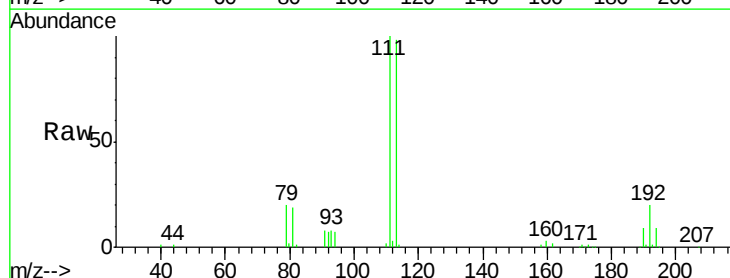
Tgt Ion:113 Resp: 84107

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

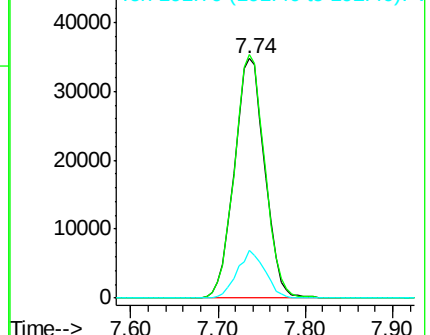
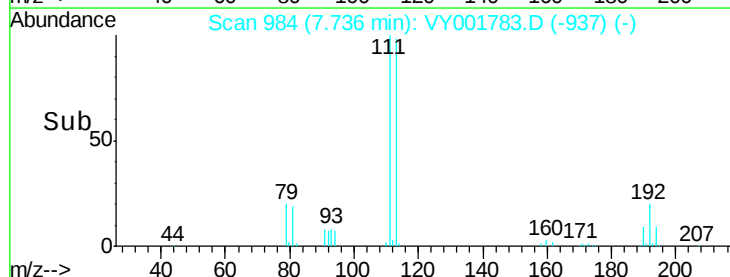
192 18.2 14.3 21.5

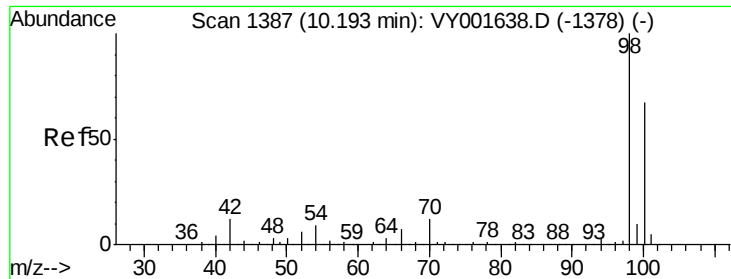


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.935 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001783.D

Acq: 26 Feb 2020 14:47

Instrument :

MSVOA\_Y

ClientSampleId :

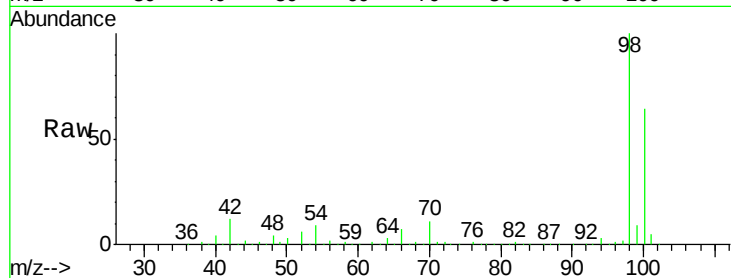
B2-12-12.5-BGS

Tot Ion: 98 Resp: 345550

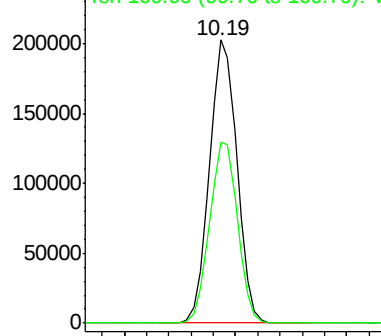
Ion Ratio Lower Upper

98 100

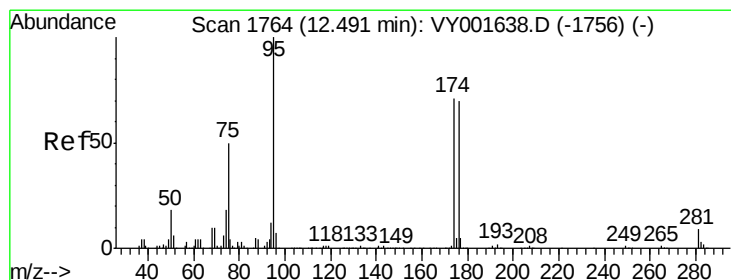
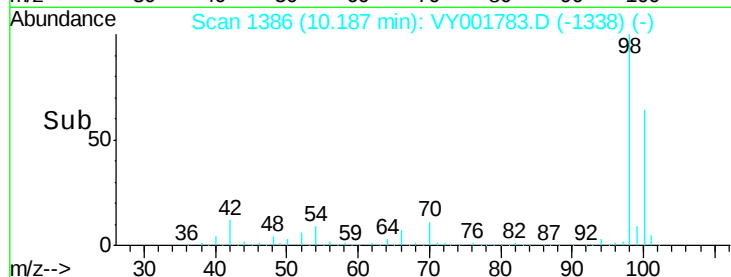
100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 44.861 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY001783.D

Acq: 26 Feb 2020 14:47

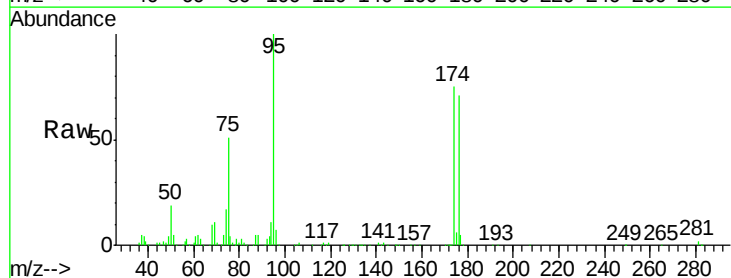
Tgt Ion: 95 Resp: 111659

Ion Ratio Lower Upper

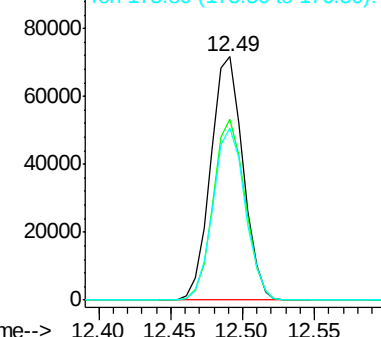
95 100

174 73.3 0.0 138.4

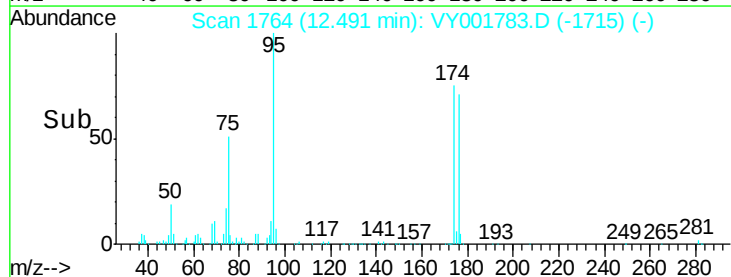
176 70.2 0.0 131.8

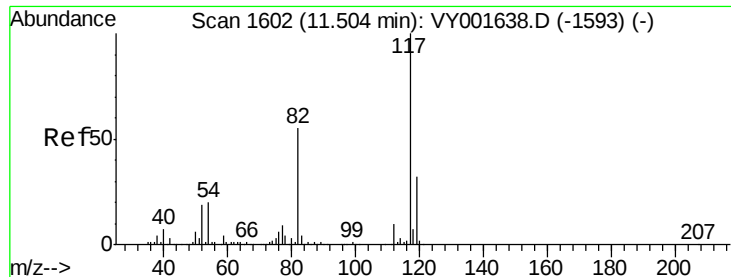


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)



Time-->

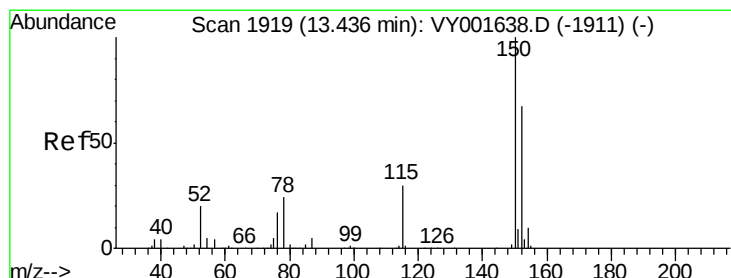
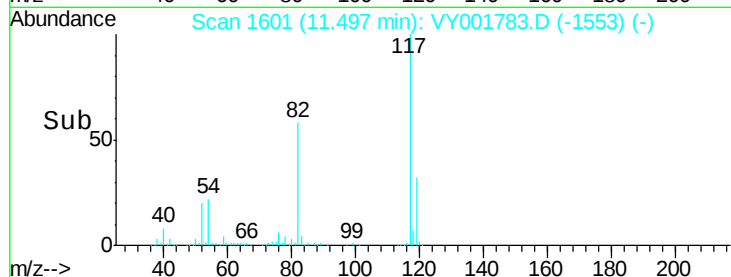
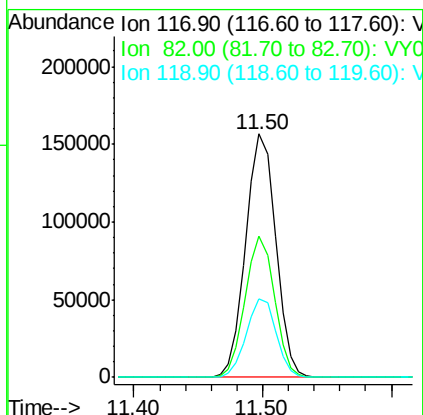
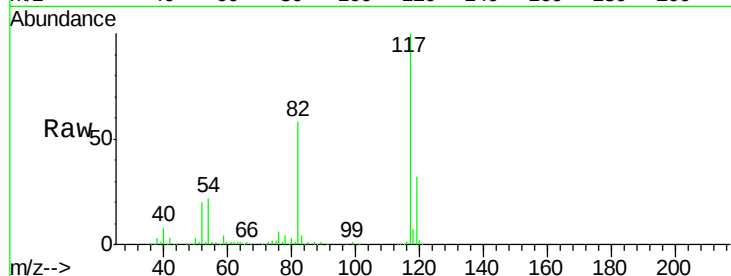




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001783.D  
Acq: 26 Feb 2020 14:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B2-12-12.5-BGS

Tot Ion:117 Resp: 252511  
Ion Ratio Lower Upper  
117 100  
82 58.2 45.5 68.3  
119 32.3 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: VY001783.D  
Acq: 26 Feb 2020 14:47

Tgt Ion:152 Resp: 103908  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.4 94.2  
150 159.4 0.0 407.2

