

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\  
 Data File : VY001740.D  
 Acq On : 21 Feb 2020 14:20  
 Operator : SY/MD  
 Sample : L1623-05  
 Misc : 8.30G/5ML/MSVOA Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB5-13-13.5

Quant Time: Feb 22 04:23:22 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      | 7.83  | 168  | 162460   | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.72  | 114  | 304021   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 264729   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 107522   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.18   | 65  | 100522   | 57.52 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.04% |      |
| 35) Dibromofluoromethane    | 7.75   | 113 | 86977    | 49.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.90%  |      |
| 50) Toluene-d8              | 10.19  | 98  | 365715   | 53.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.22% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 119101   | 44.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.88%  |      |

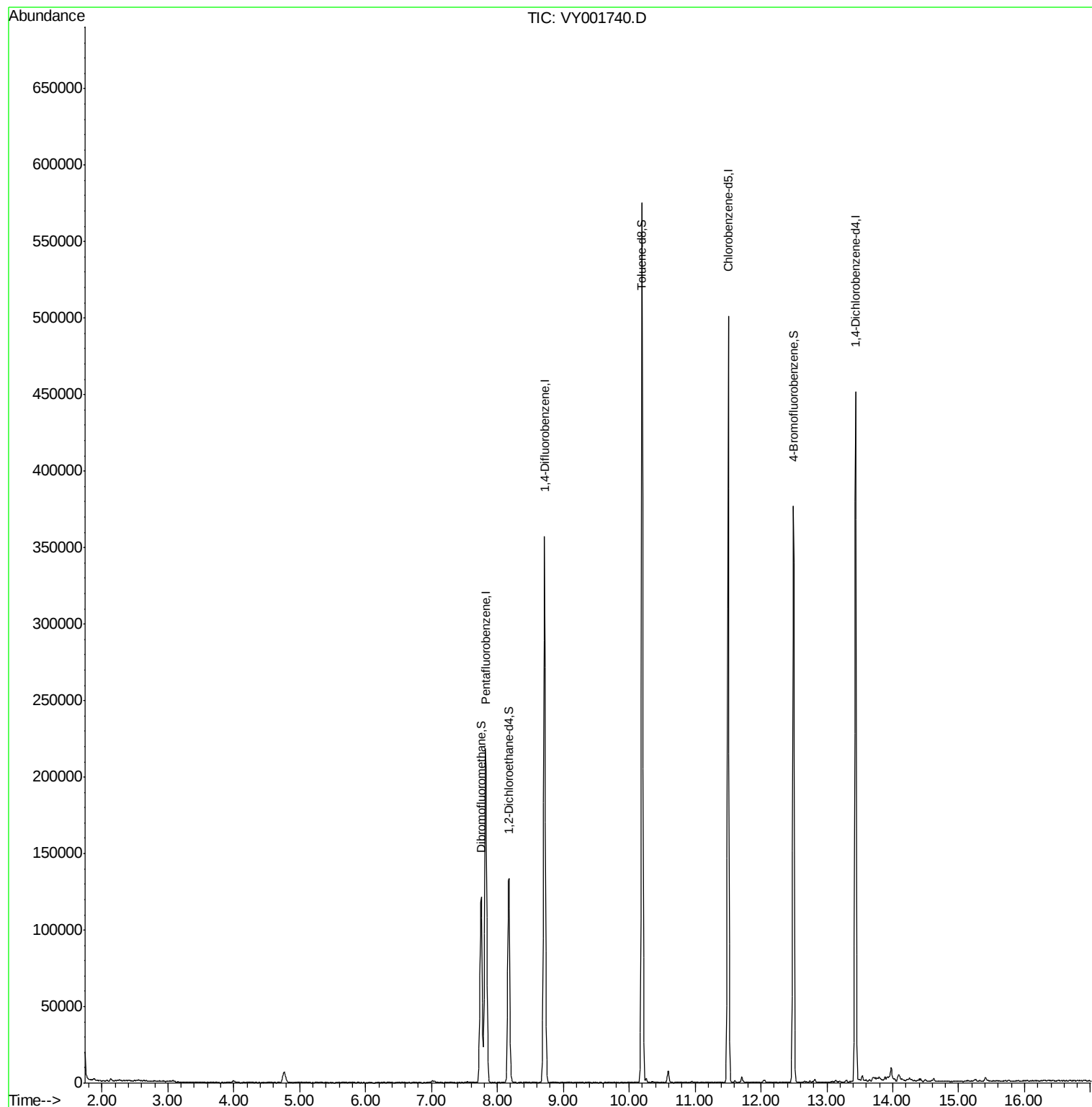
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\  
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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: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001740.D

Acq: 21 Feb 2020 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

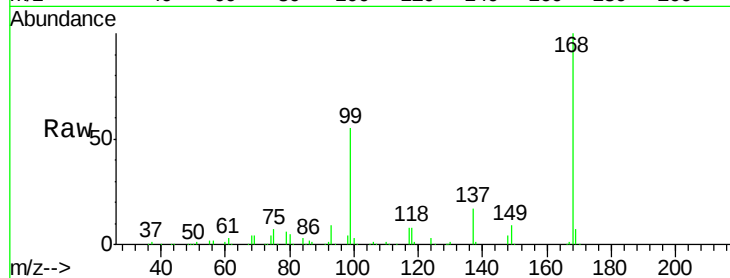
SB5-13-13.5

Tot Ion:168 Resp: 162460

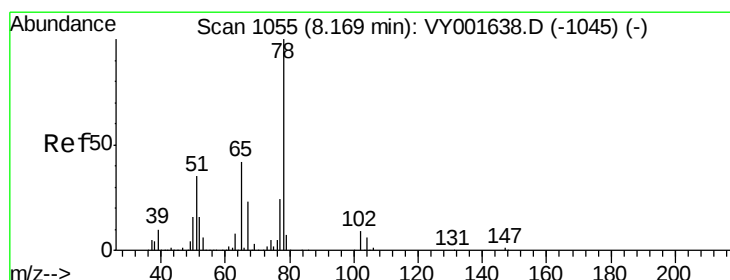
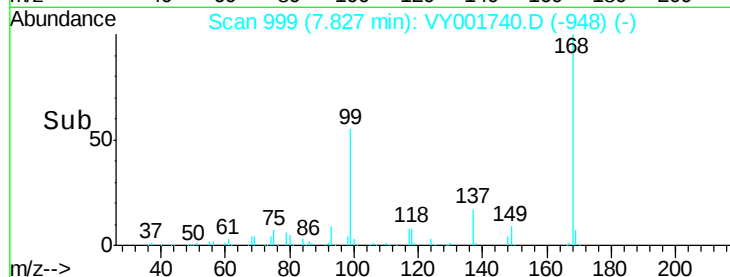
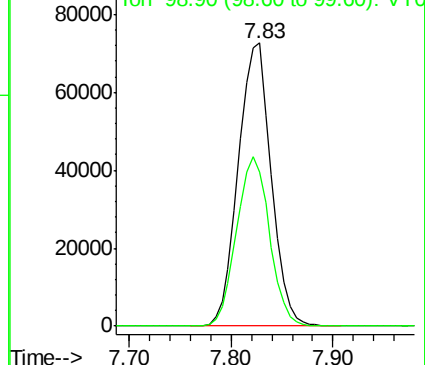
Ion Ratio Lower Upper

168 100

99 54.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001740.D (-948) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.524 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001740.D

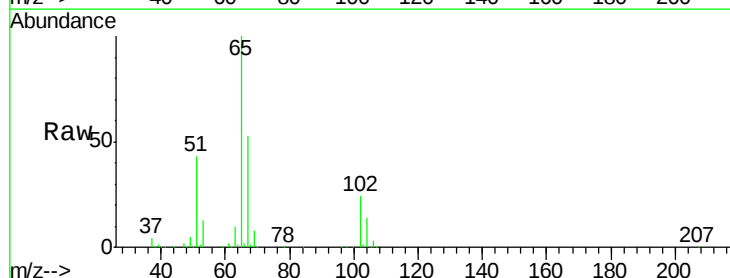
Acq: 21 Feb 2020 14:20

Tgt Ion: 65 Resp: 100522

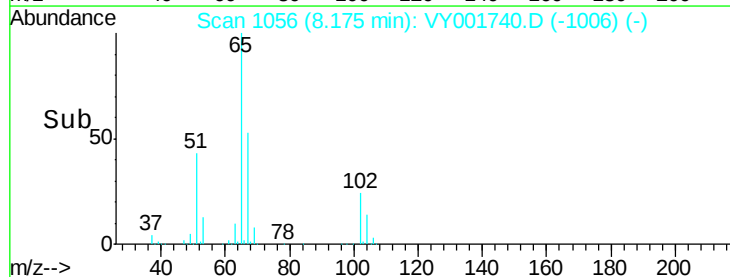
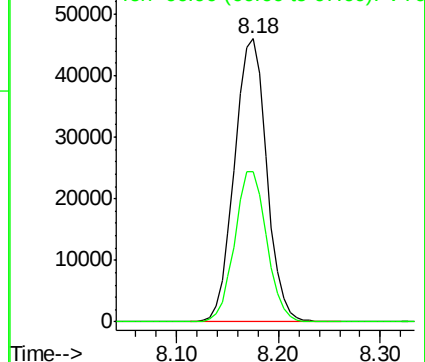
Ion Ratio Lower Upper

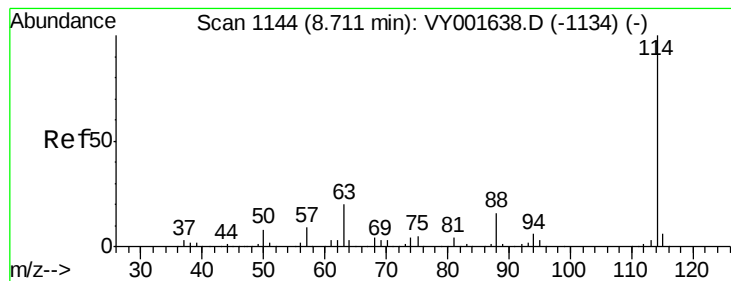
65 100

67 52.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY001740.D (-1006) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001740.D

Acq: 21 Feb 2020 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

SB5-13-13.5

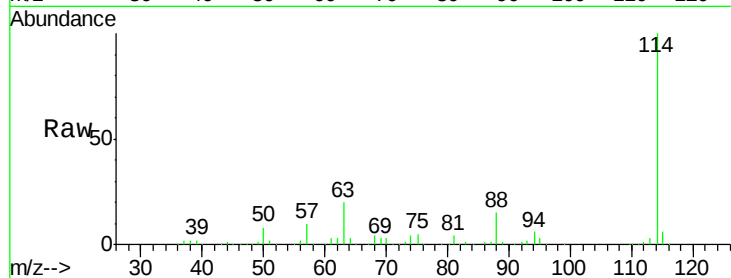
Tot Ion:114 Resp: 304021

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

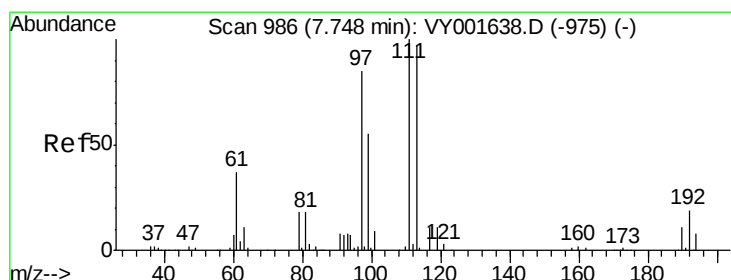
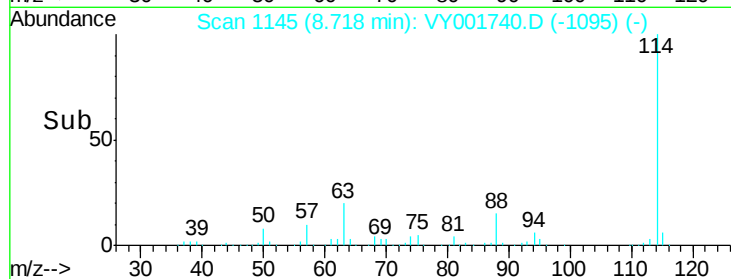
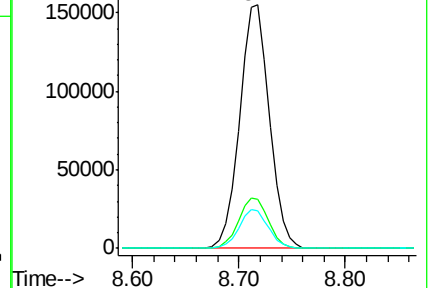
88 15.3 0.0 32.8



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: 49.950 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001740.D

Acq: 21 Feb 2020 14:20

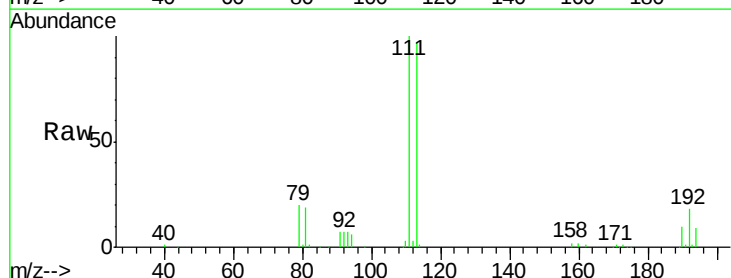
Tgt Ion:113 Resp: 86977

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

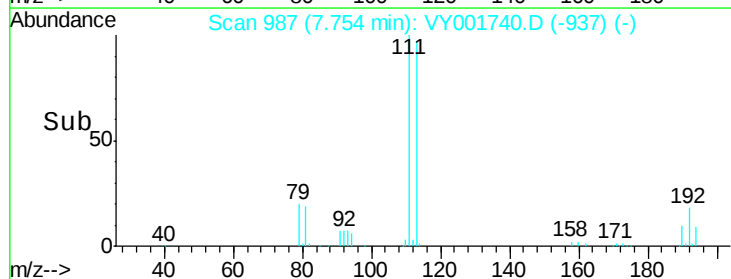
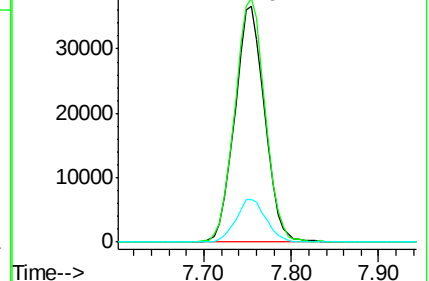
192 18.4 14.3 21.5

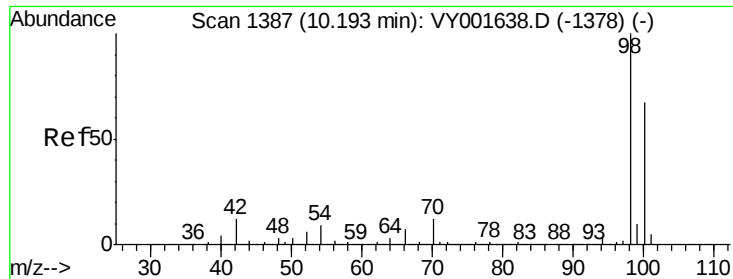


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.609 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001740.D

Acq: 21 Feb 2020 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

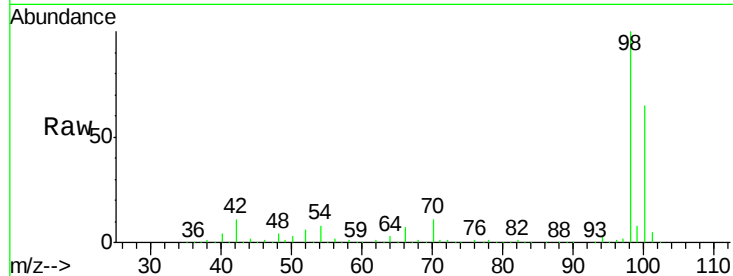
SB5-13-13.5

Tot Ion: 98 Resp: 365715

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

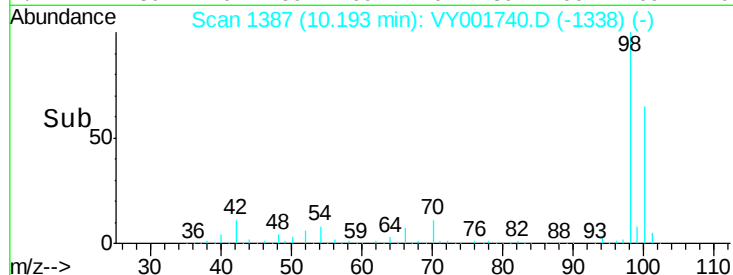
100000

50000

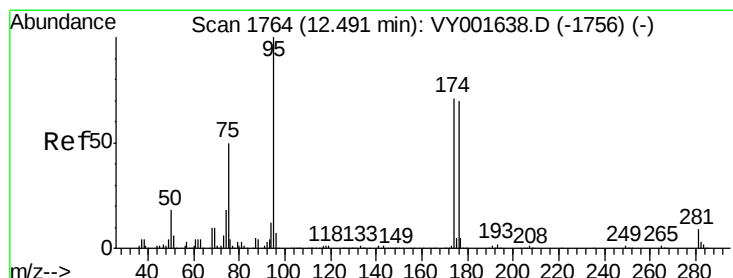
0

10.10

10.20



Time-->



#62

4-Bromofluorobenzene

Concen: 44.940 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001740.D

Acq: 21 Feb 2020 14:20

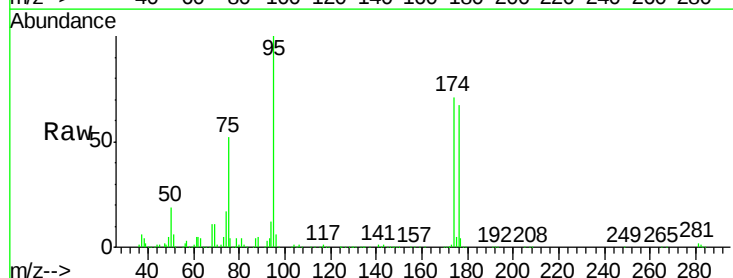
Tgt Ion: 95 Resp: 119101

Ion Ratio Lower Upper

95 100

174 72.3 0.0 138.4

176 70.6 0.0 131.8



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

100000

80000

60000

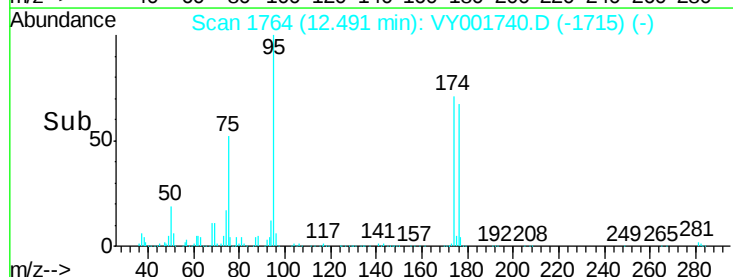
40000

20000

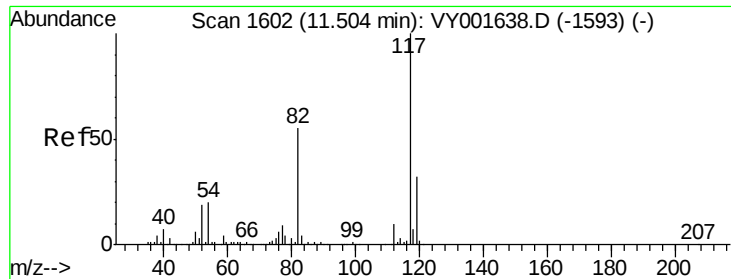
0

12.40

12.50



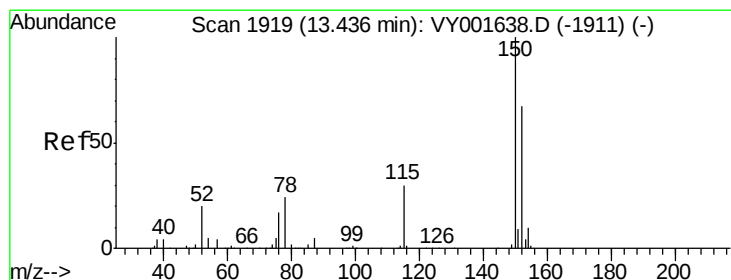
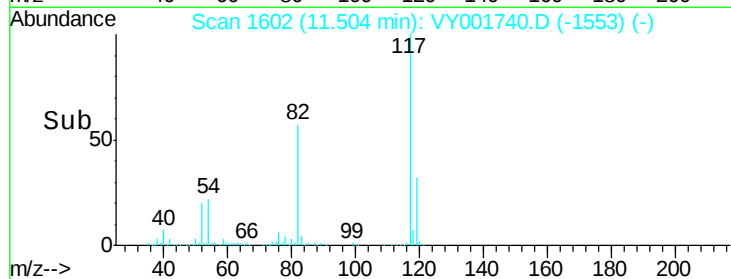
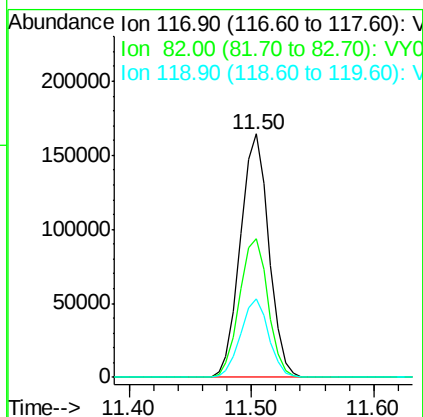
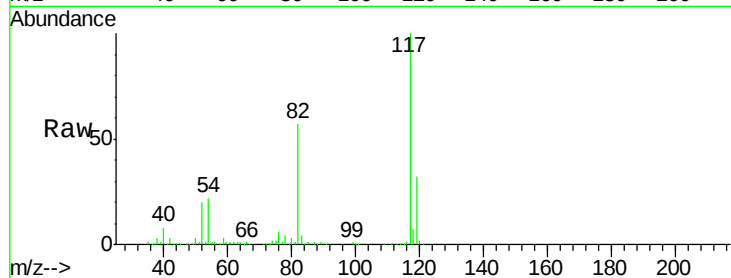
Time-->



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: VY001740.D  
Acq: 21 Feb 2020 14:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB5-13-13.5

Tot Ion:117 Resp: 264729  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.5 68.3  
119 32.5 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: VY001740.D  
Acq: 21 Feb 2020 14:20

Tgt Ion:152 Resp: 107522  
Ion Ratio Lower Upper  
152 100  
115 61.1 31.4 94.2  
150 156.8 0.0 407.2

