

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\  
 Data File : VY002436.D  
 Acq On : 21 Apr 2020 16:26  
 Operator : SY/MD  
 Sample : L2327-08  
 Misc : 6.57G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2-S2

Quant Time: Apr 22 03:26:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 20 15:14:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 224275   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 362734   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 315525   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 152538   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 96764    | 59.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 118.64% |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 103479   | 54.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.48% |      |
| 50) Toluene-d8              | 10.19  | 98  | 416732   | 54.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.00% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 112993   | 44.35 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.70%  |      |

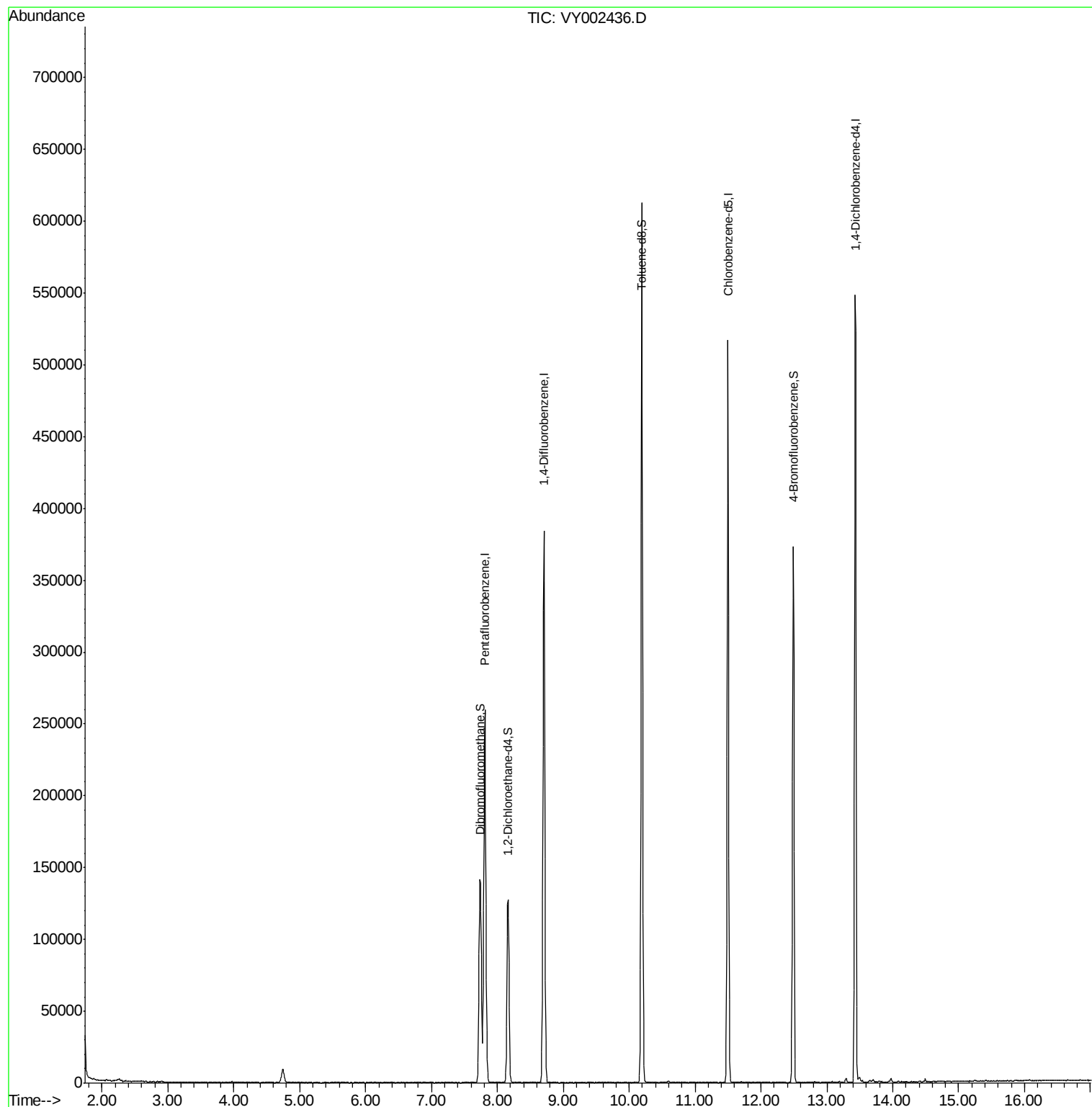
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

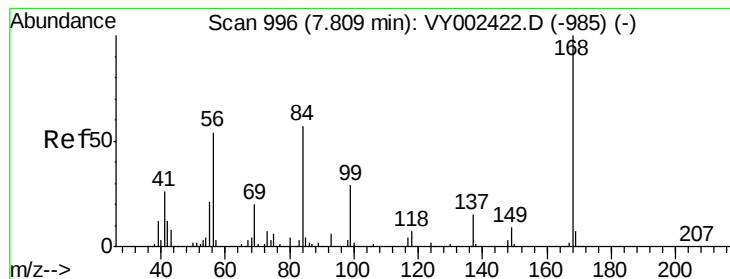
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Apr 20 15:14:11 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002436.D

Acq: 21 Apr 2020 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

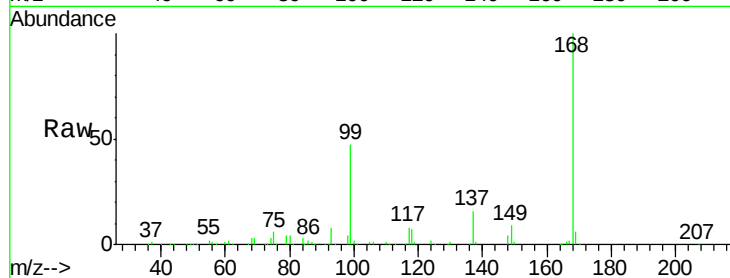
TP-2-S2

Tot Ion:168 Resp: 224275

Ion Ratio Lower Upper

168 100

99 47.1 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.81

100000

80000

60000

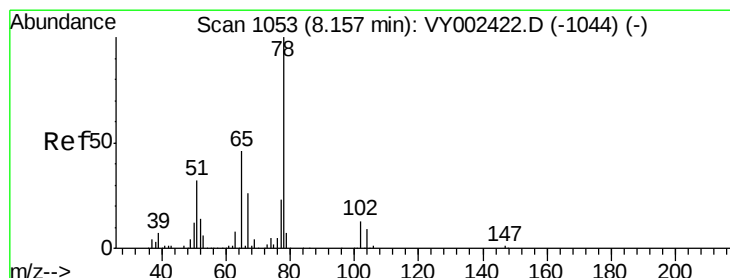
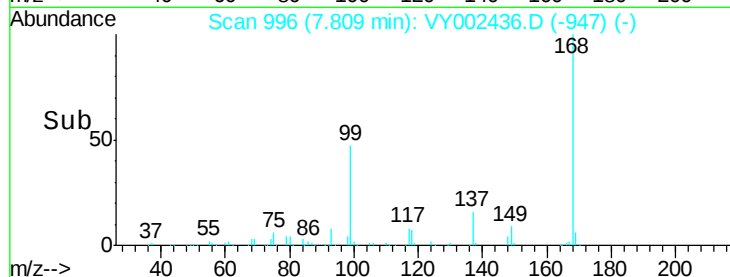
40000

20000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.322 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002436.D

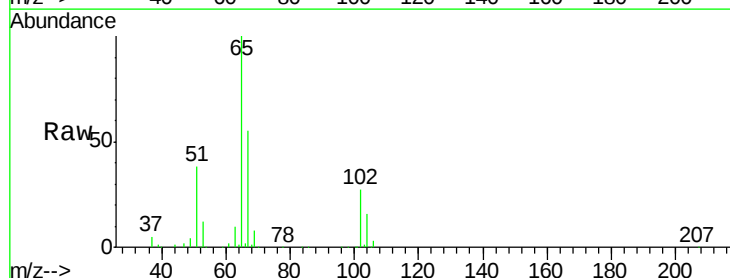
Acq: 21 Apr 2020 16:26

Tgt Ion: 65 Resp: 96764

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY002422.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY002422.D (-1044) (-)

8.16

50000

40000

30000

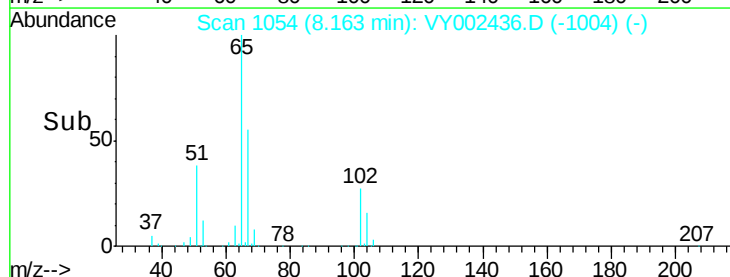
20000

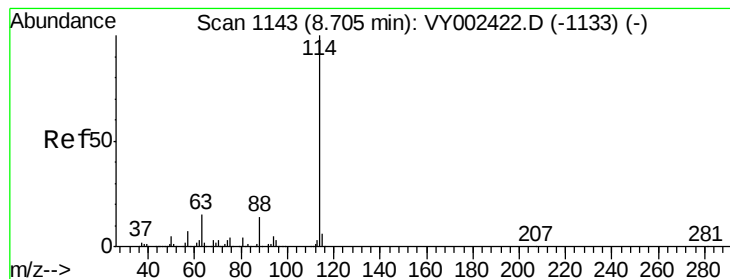
10000

0

8.05 8.10 8.15 8.20 8.25

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002436.D

Acq: 21 Apr 2020 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

TP-2-S2

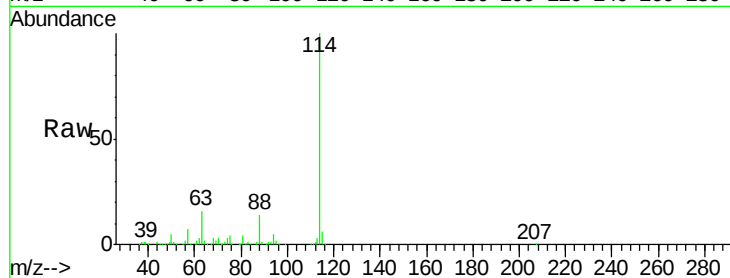
Tot Ion:114 Resp: 362734

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.0

88 13.7 0.0 28.2



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

250000

200000

150000

100000

50000

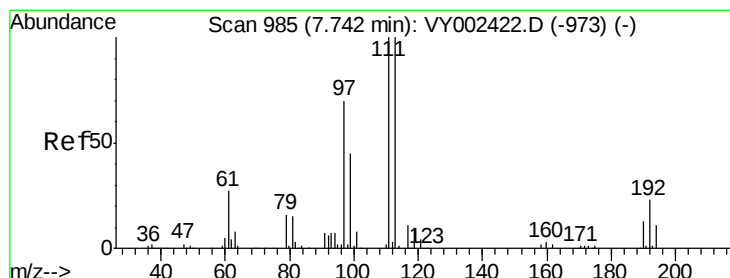
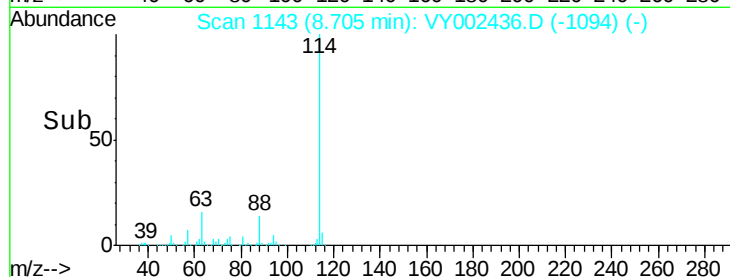
0

8.60

8.70

8.80

Time-->



#35

Dibromofluoromethane

Concen: 54.237 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY002436.D

Acq: 21 Apr 2020 16:26

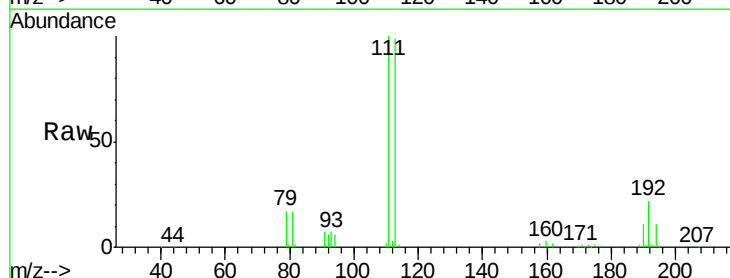
Tgt Ion:113 Resp: 103479

Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

192 22.6 17.8 26.6



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

60000

50000

40000

30000

20000

10000

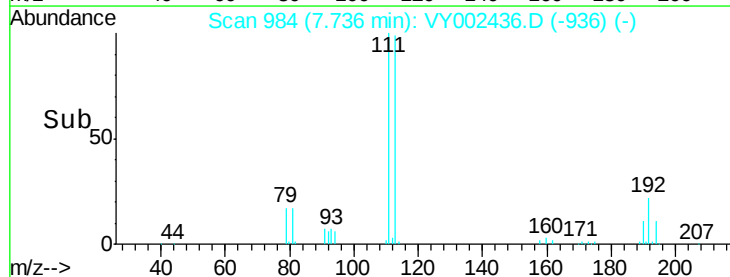
0

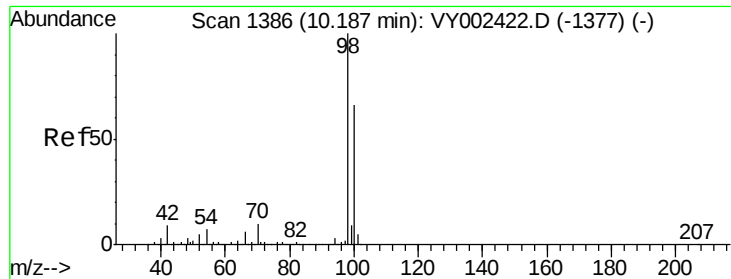
7.60

7.70

7.80

Time-->

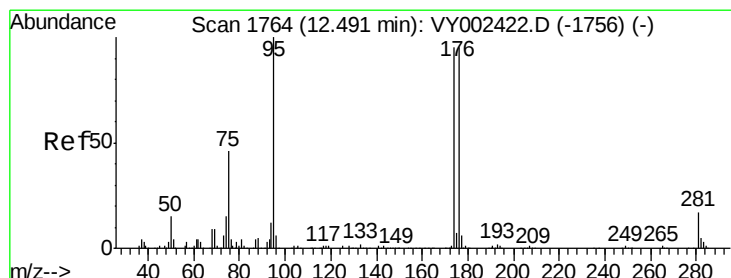
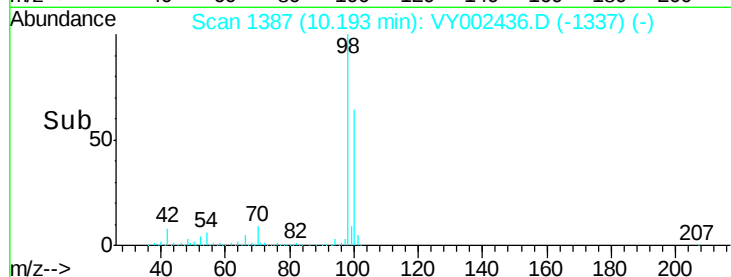
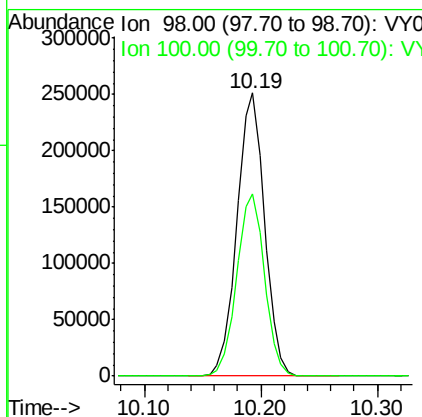
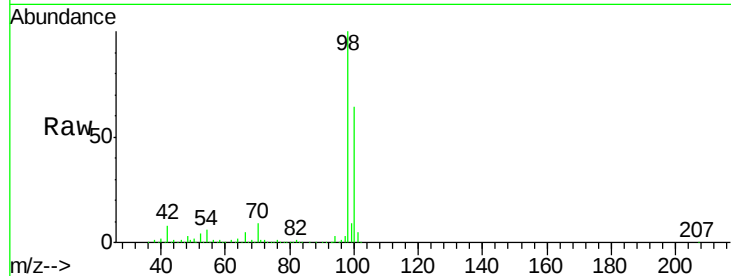




#50  
Toluene-d8  
Concen: 54.004 ug/l  
RT: 10.19 min Scan# 1387  
Delta R.T. 0.01 min  
Lab File: VY002436.D  
Acq: 21 Apr 2020 16:26

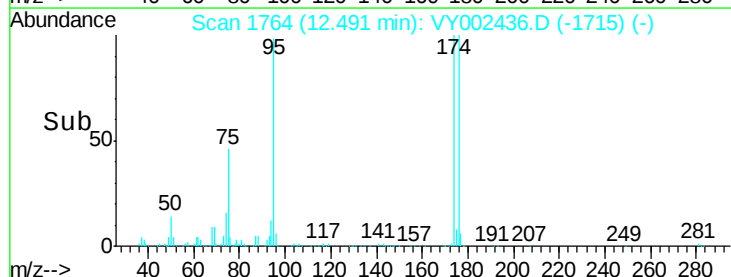
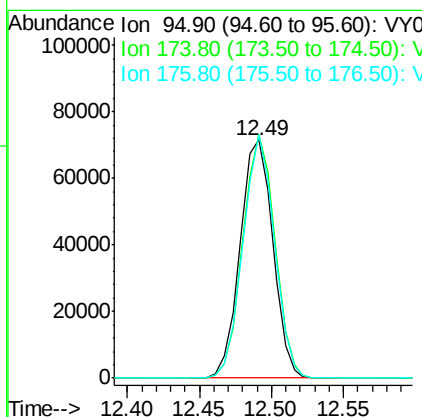
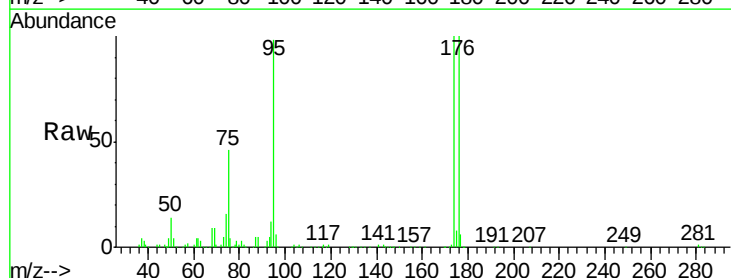
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2-S2

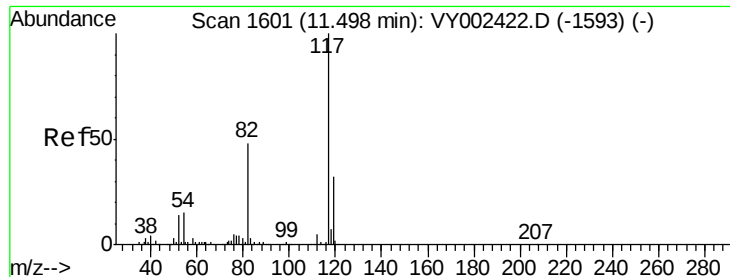
Tot Ion: 98 Resp: 416732  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 44.350 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. -0.00 min  
Lab File: VY002436.D  
Acq: 21 Apr 2020 16:26

Tgt Ion: 95 Resp: 112993  
Ion Ratio Lower Upper  
95 100  
174 99.8 0.0 185.8  
176 97.5 0.0 181.2

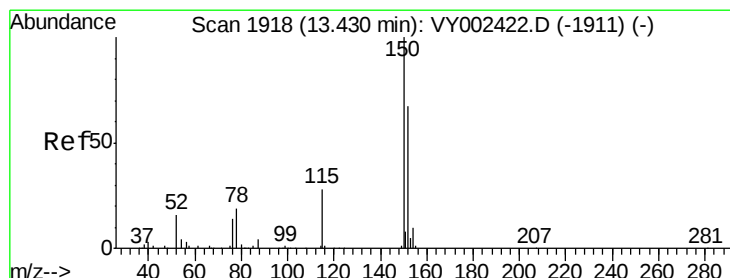
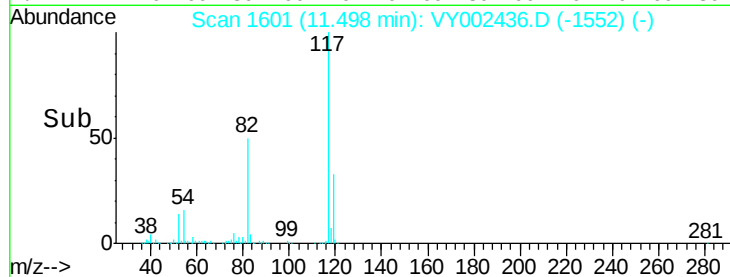
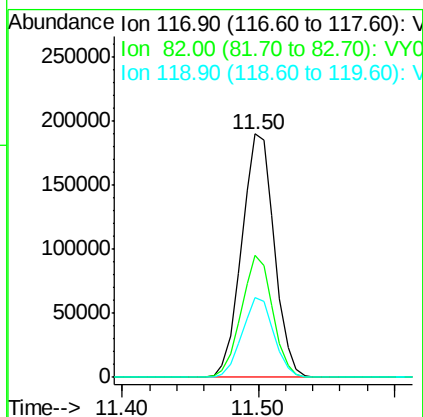
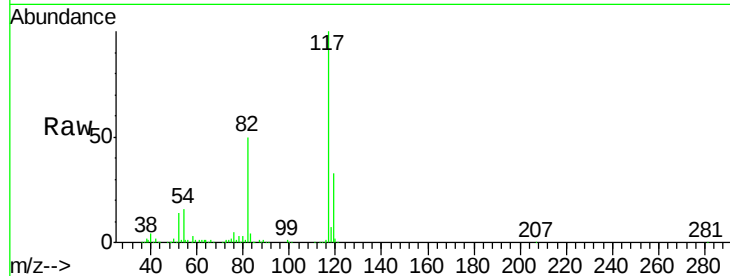




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VY002436.D  
Acq: 21 Apr 2020 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2-S2

Tot Ion:117 Resp: 31525  
Ion Ratio Lower Upper  
117 100  
82 50.0 38.4 57.6  
119 32.9 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY002436.D  
Acq: 21 Apr 2020 16:26

Tgt Ion:152 Resp: 152538  
Ion Ratio Lower Upper  
152 100  
115 52.9 27.3 81.8  
150 158.8 0.0 344.0

