

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\  
 Data File : VY002532.D  
 Acq On : 04 May 2020 11:57  
 Operator : SY/MD  
 Sample : L2444-02  
 Misc : 8.10G/5ML/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-PVSC

Quant Time: May 04 14:41:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 311501   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 500009   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 429281   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 177591   | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 156751   | 59.85  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 119.70% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 153987   | 53.85  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.70% |          |
| 50) Toluene-d8              | 10.18 | 98   | 576342   | 51.61  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 103.22% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 170705   | 45.05  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 90.10%  |          |

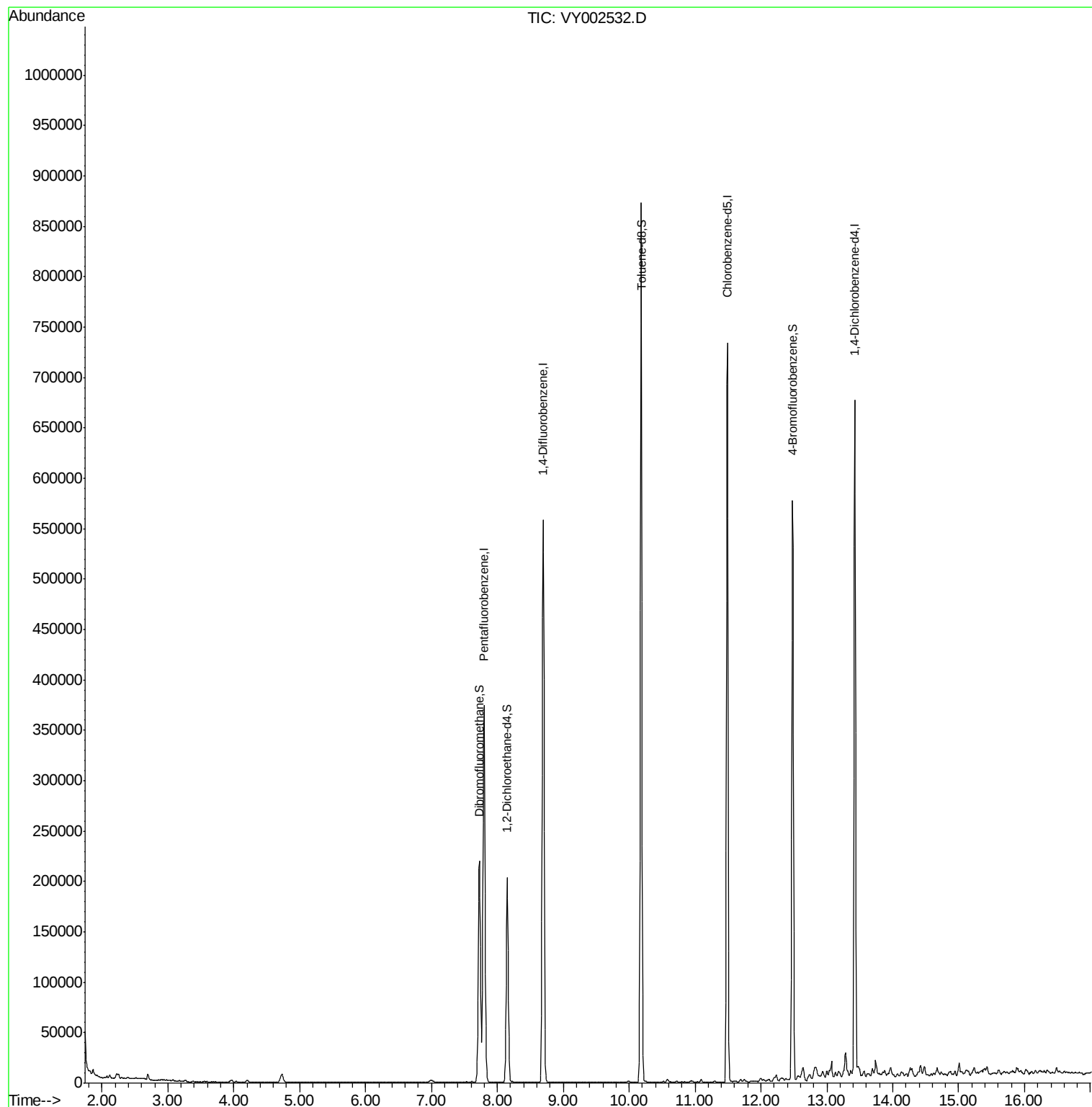
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

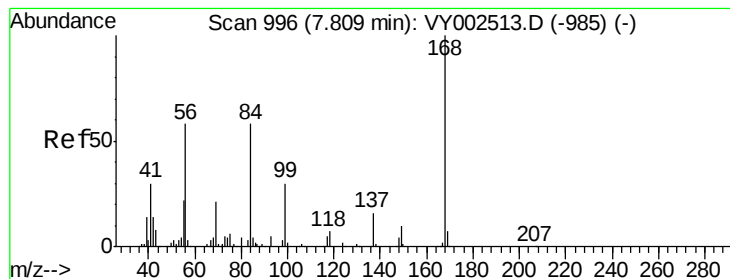
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 04 12:22:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA\_Y

ClientSampleId :

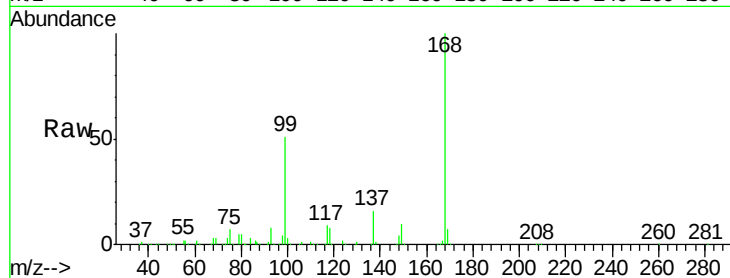
SP-PVSC

Tot Ion:168 Resp: 311501

Ion Ratio Lower Upper

168 100

99 50.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

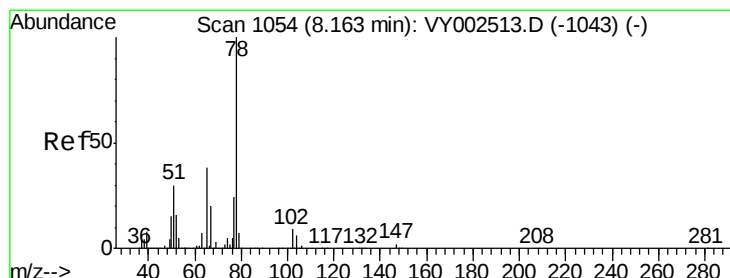
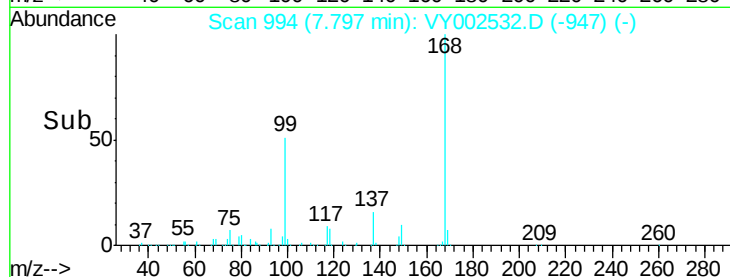
100000

50000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.848 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002532.D

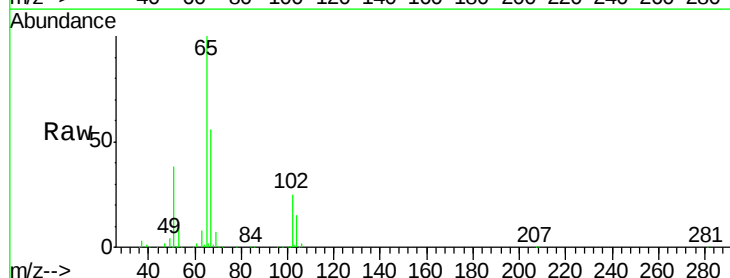
Acq: 04 May 2020 11:57

Tgt Ion: 65 Resp: 156751

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY002513.D (-1043) (-)

Ion 66.90 (66.60 to 67.60): VY002513.D (-1043) (-)

8.15

80000

60000

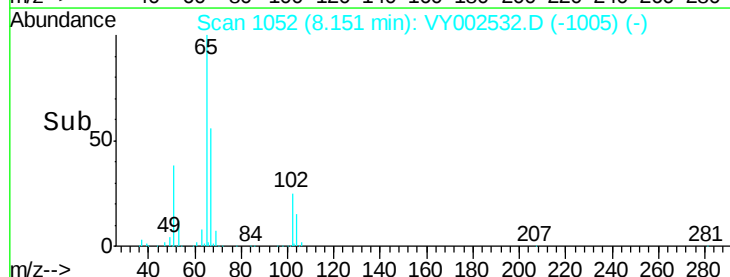
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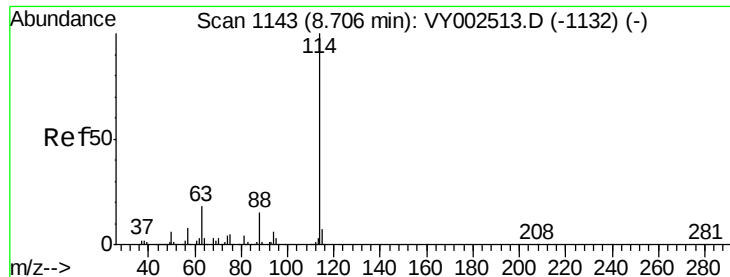
20000

0

8.10 8.20

Time-->

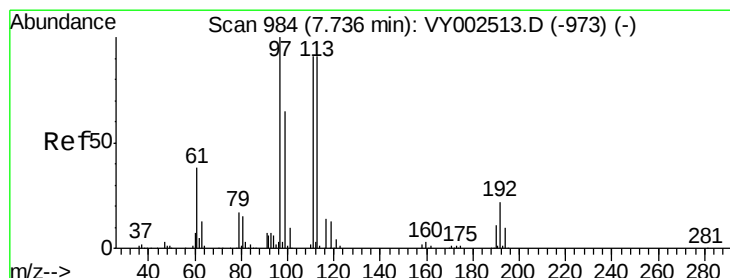
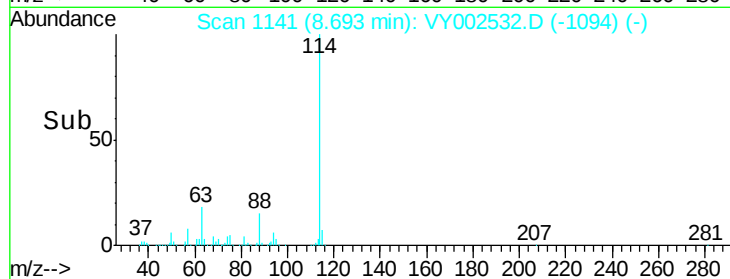
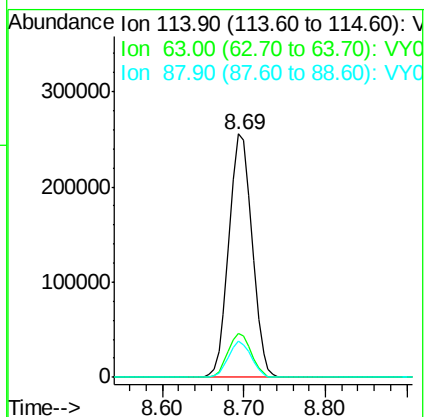
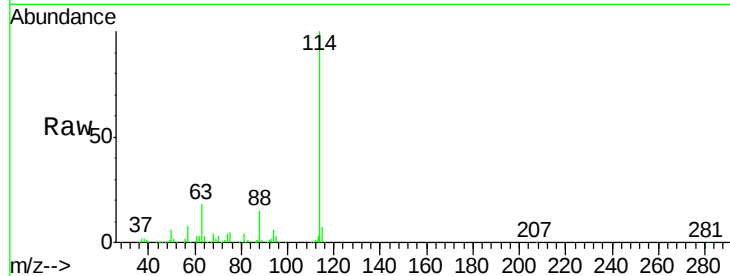




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY002532.D  
 Acq: 04 May 2020 11:57

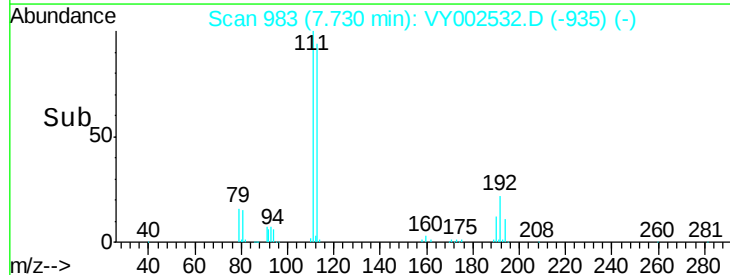
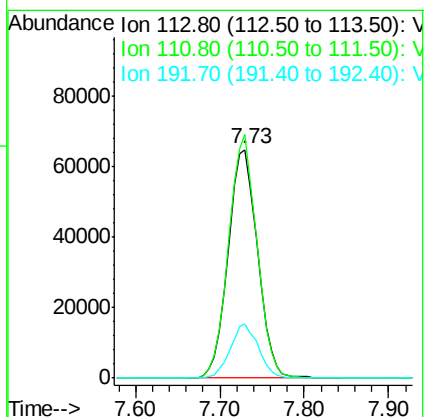
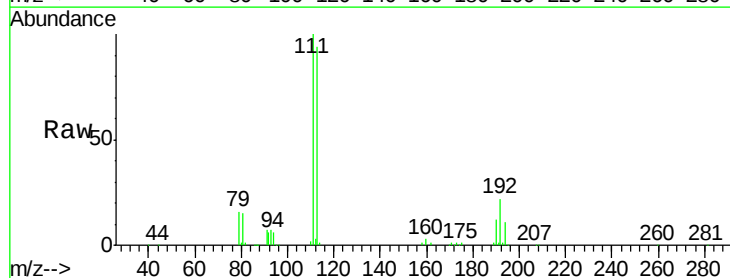
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-PVSC

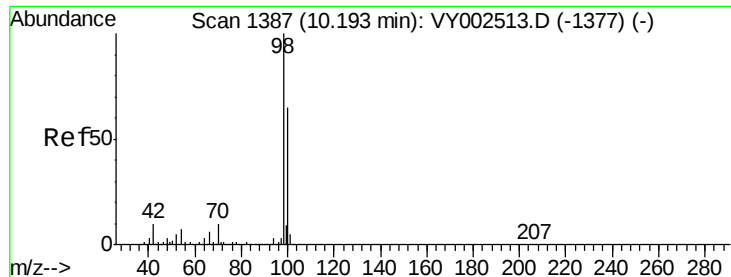
Tot Ion:114 Resp: 500009  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 36.4  
 88 14.7 0.0 29.6



#35  
 Dibromofluoromethane  
 Concen: 53.850 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.01 min  
 Lab File: VY002532.D  
 Acq: 04 May 2020 11:57

Tgt Ion:113 Resp: 153987  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 81.8 122.6  
 192 22.5 18.2 27.4





#50

Toluene-d8

Concen: 51.611 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA\_Y

ClientSampleId :

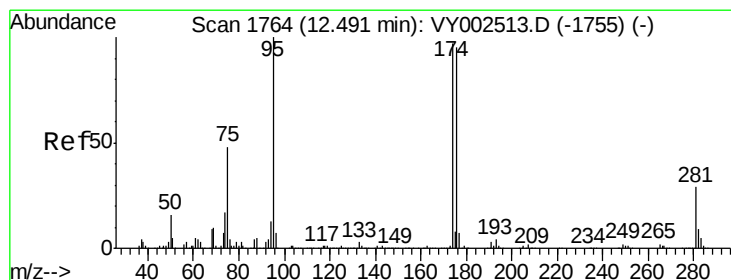
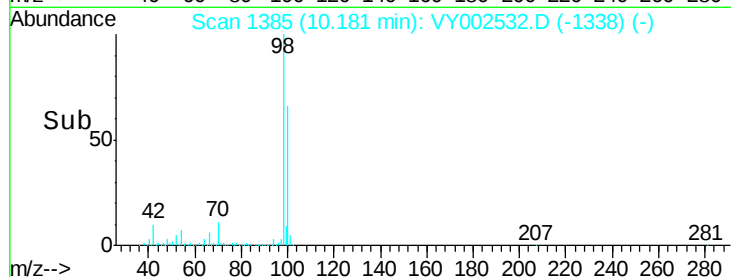
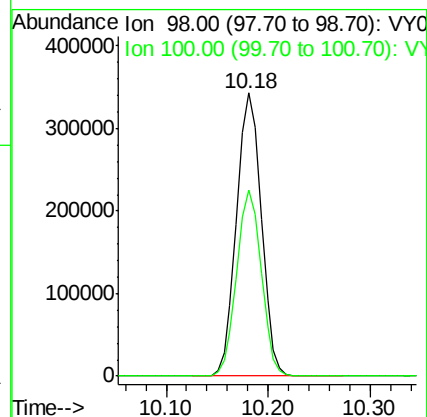
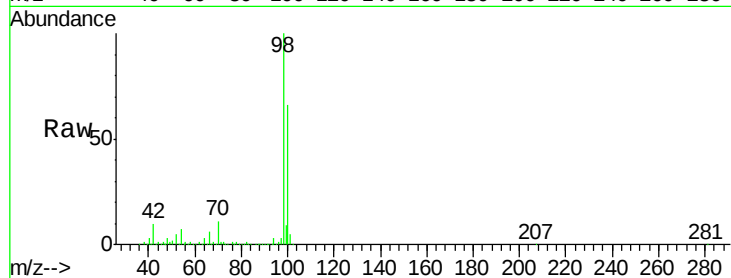
SP-PVSC

Tot Ion: 98 Resp: 576342

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.050 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

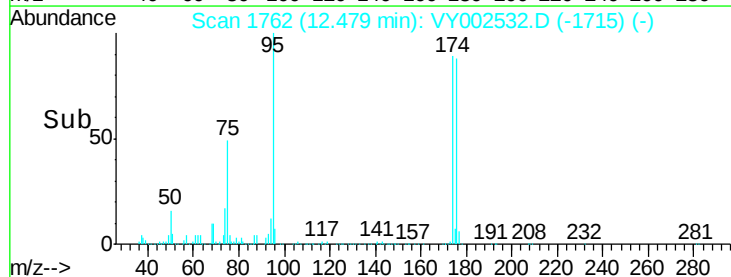
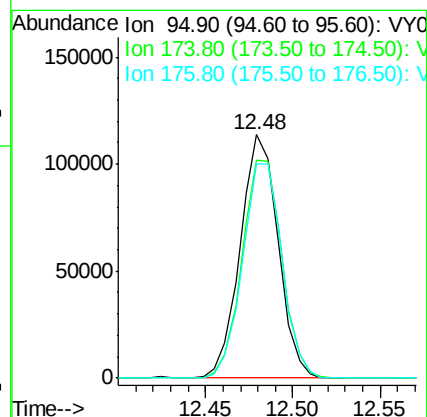
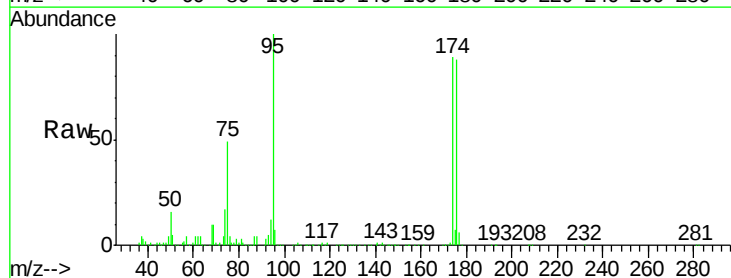
Tgt Ion: 95 Resp: 170705

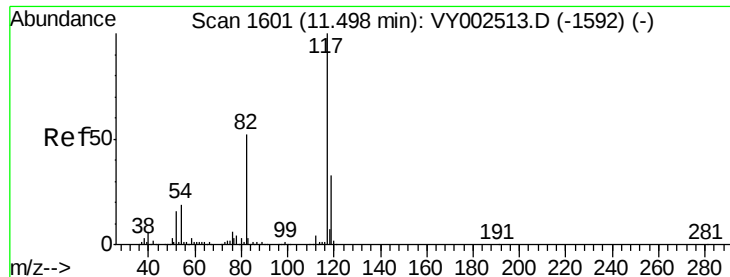
Ion Ratio Lower Upper

95 100

174 94.5 0.0 188.8

176 92.0 0.0 183.2

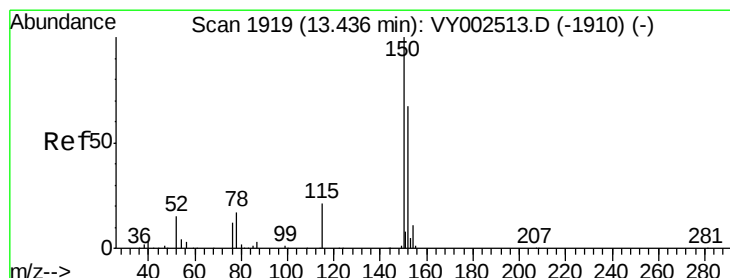
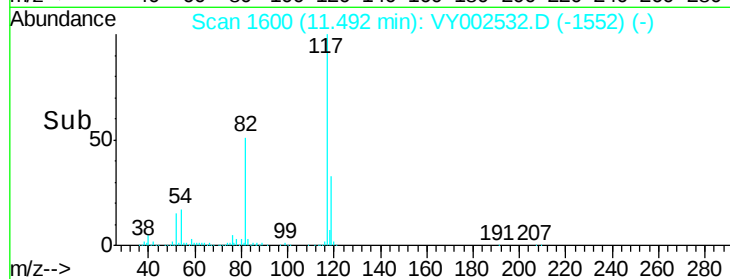
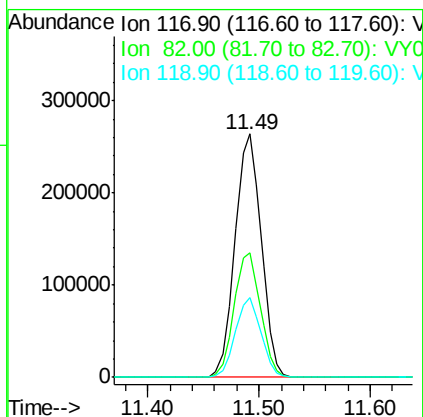
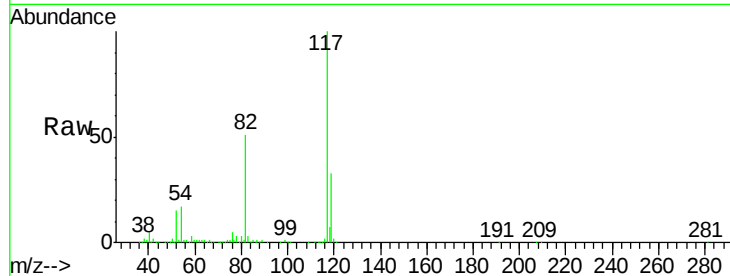




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY002532.D  
Acq: 04 May 2020 11:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-PVSC

Tot Ion:117 Resp: 429281  
Ion Ratio Lower Upper  
117 100  
82 50.9 41.3 61.9  
119 32.8 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY002532.D  
Acq: 04 May 2020 11:57

Tgt Ion:152 Resp: 177591  
Ion Ratio Lower Upper  
152 100  
115 54.6 27.5 82.4  
150 156.7 0.0 346.4

