

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY110719\  
 Data File : VY000572.D  
 Acq On : 07 Nov 2019 12:07  
 Operator : SY/MD  
 Sample : K5725-02RE  
 Misc : 4.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SO-2RE

Quant Time: Nov 08 04:05:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 30132    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 45114    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 36575    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 14813    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 14088    | 45.18 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.36% |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 12275    | 46.35 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.70% |      |
| 50) Toluene-d8              | 10.19  | 98  | 50172    | 49.92 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.84% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 15336    | 40.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 80.18% |      |

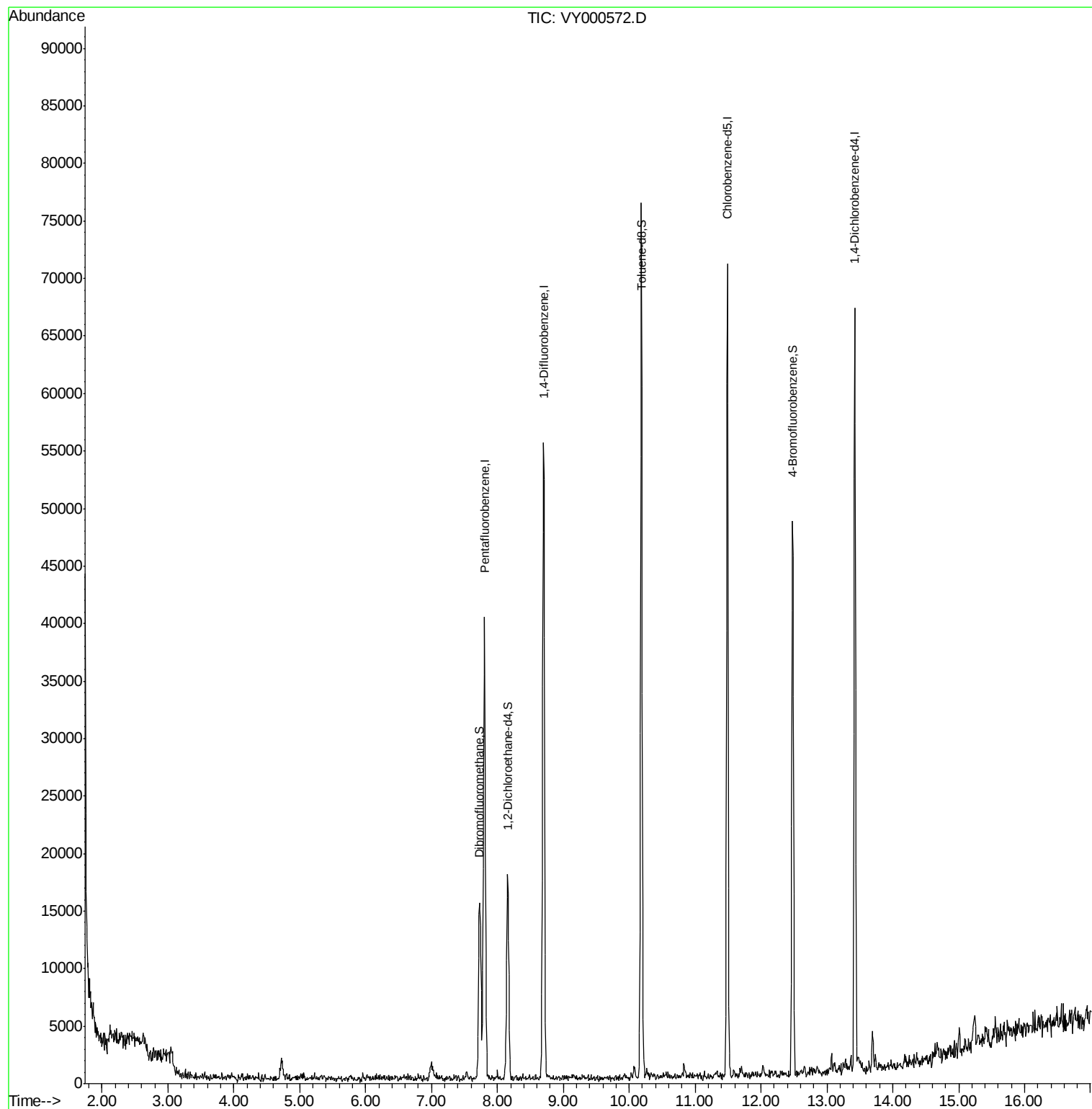
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

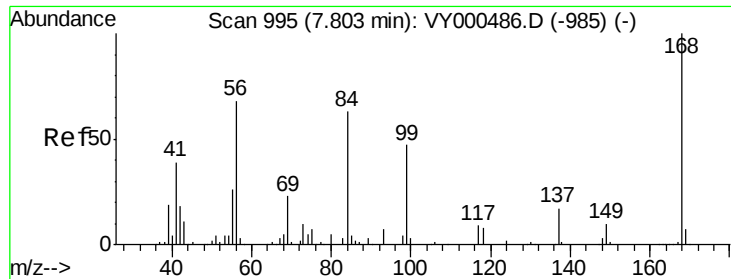
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY110719\  
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ClientSampleId :  
SO-2RE

Quant Time: Nov 08 04:05:00 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 2019  
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: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :

MSVOA\_Y

ClientSampleId :

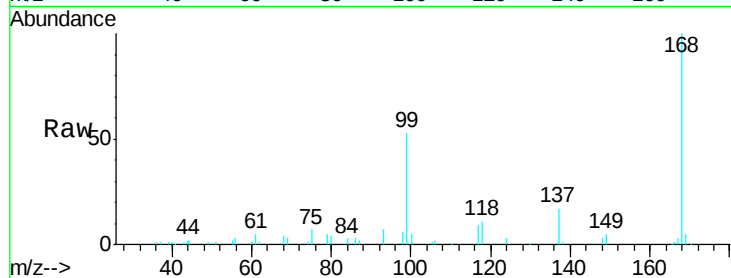
SO-2RE

Tgt Ion:168 Resp: 30132

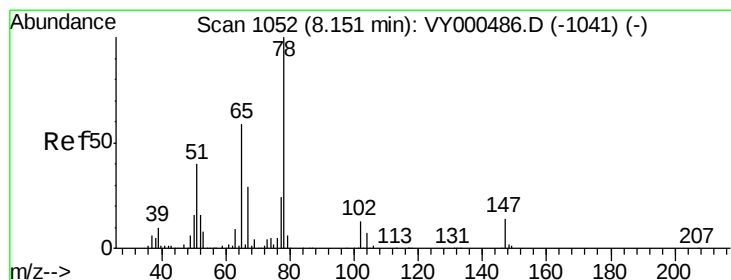
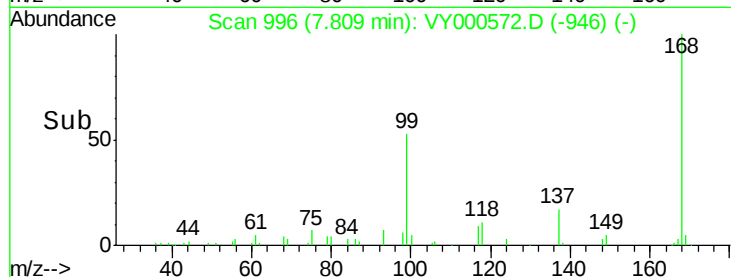
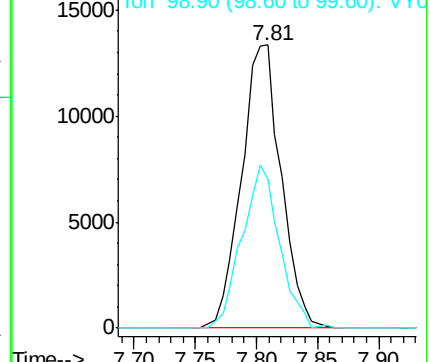
Ion Ratio Lower Upper

168 100

99 52.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)



#33

1,2-Dichloroethane-d4

Concen: 45.179 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000572.D

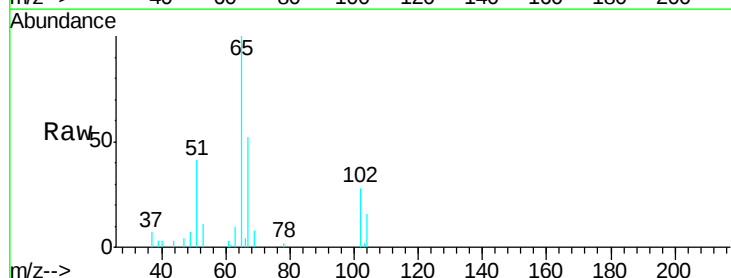
Acq: 07 Nov 2019 12:07

Tgt Ion: 65 Resp: 14088

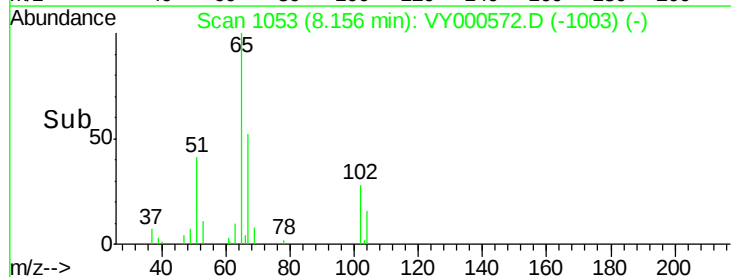
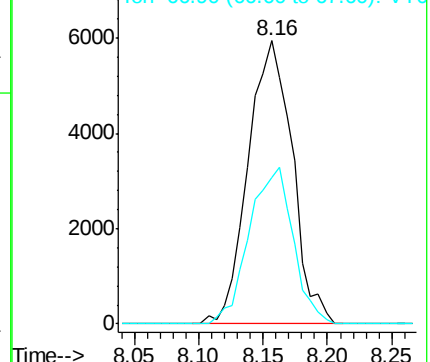
Ion Ratio Lower Upper

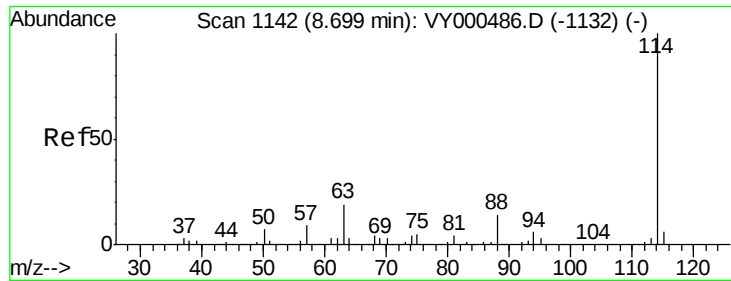
65 100

67 55.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

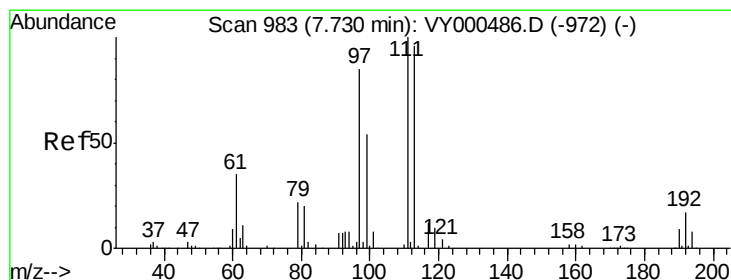
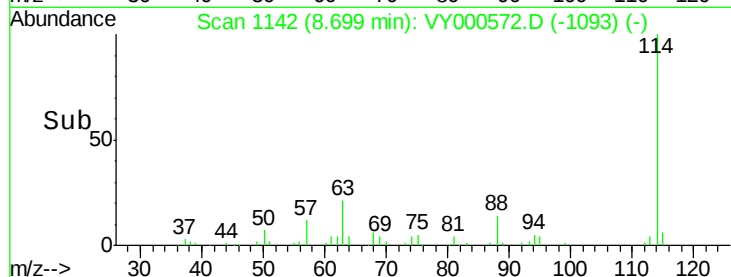
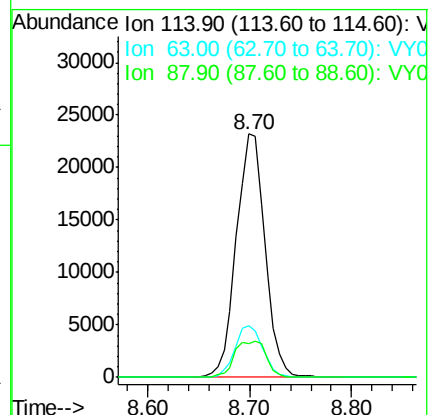
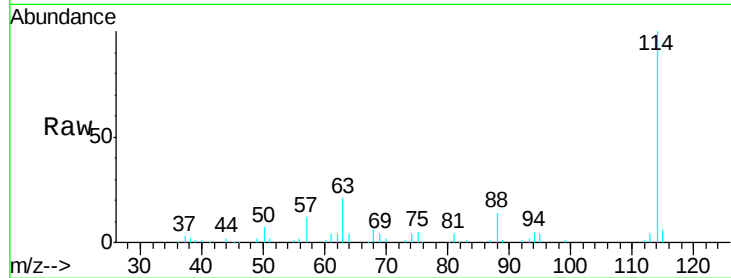




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: VY000572.D  
 Acq: 07 Nov 2019 12:07

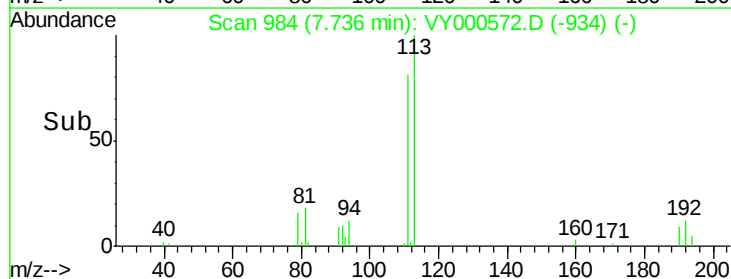
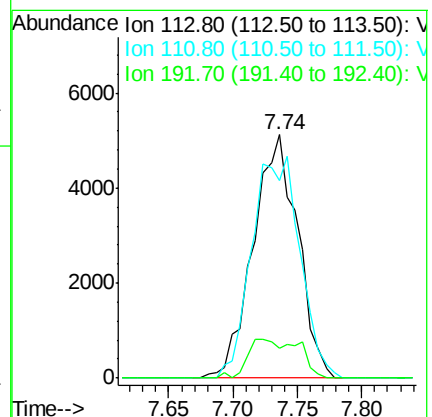
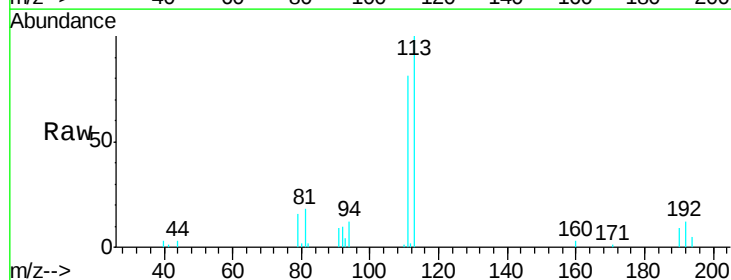
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SO-2RE

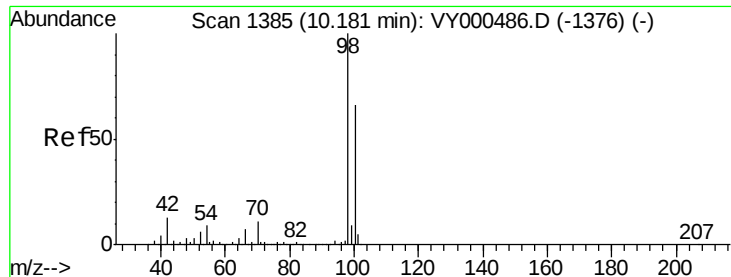
Tgt Ion:114 Resp: 45114  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 38.0  
 88 13.7 0.0 28.6



#35  
 Dibromofluoromethane  
 Concen: 46.347 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. 0.01 min  
 Lab File: VY000572.D  
 Acq: 07 Nov 2019 12:07

Tgt Ion:113 Resp: 12275  
 Ion Ratio Lower Upper  
 113 100  
 111 98.0 81.7 122.5  
 192 11.0 15.0 22.4#





#50

Toluene-d8

Concen: 49.924 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :

MSVOA\_Y

ClientSampleId :

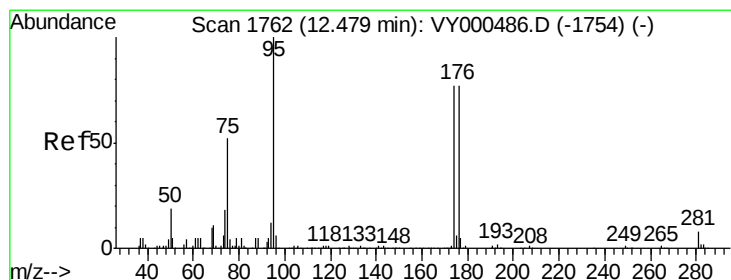
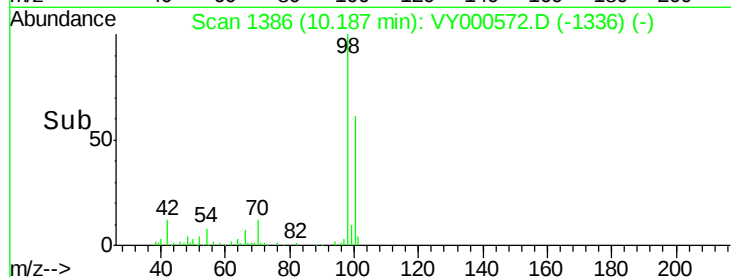
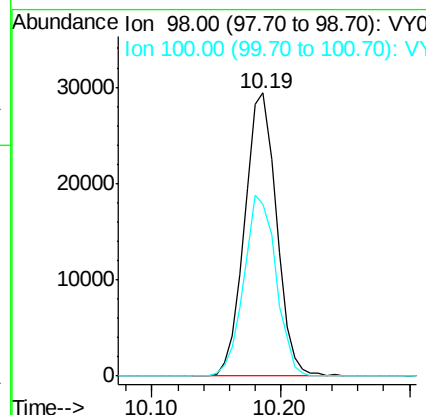
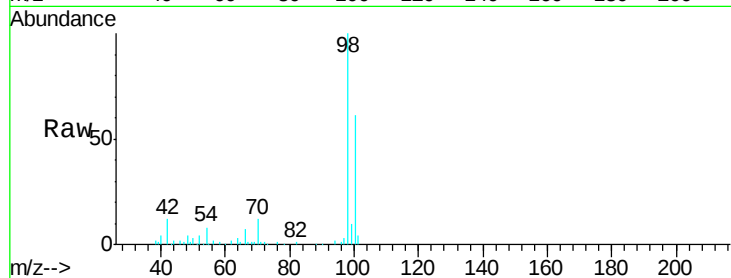
SO-2RE

Tgt Ion: 98 Resp: 50172

Ion Ratio Lower Upper

98 100

100 64.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 40.086 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

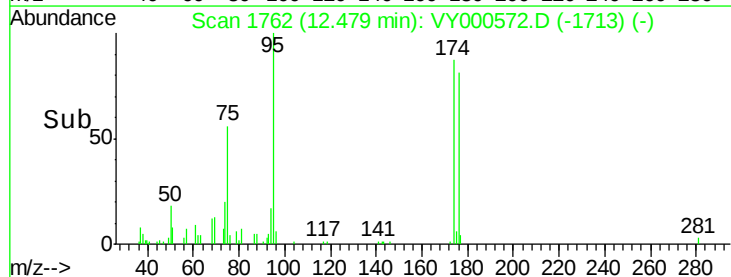
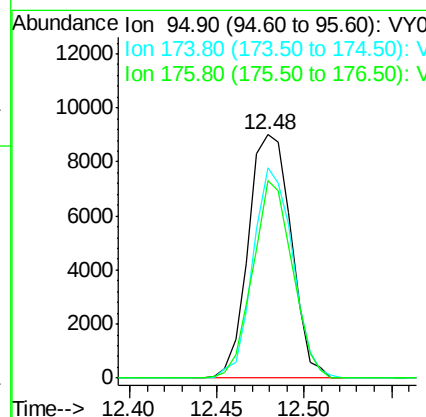
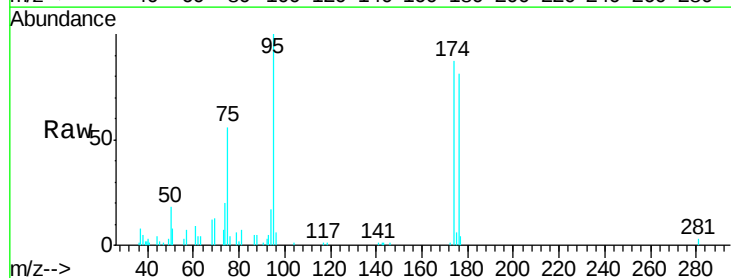
Tgt Ion: 95 Resp: 15336

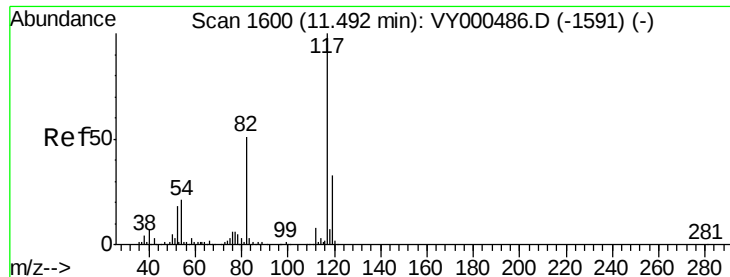
Ion Ratio Lower Upper

95 100

174 80.2 0.0 161.6

176 75.3 0.0 157.8

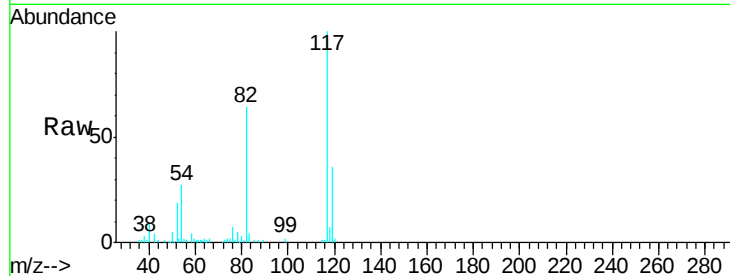




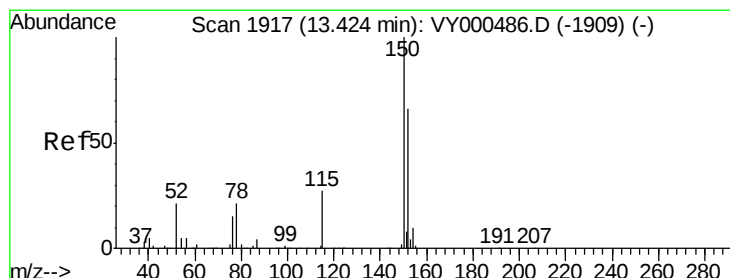
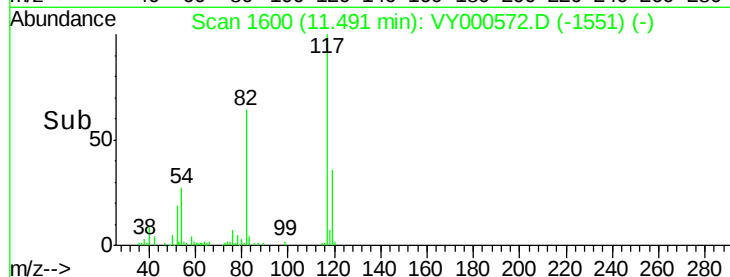
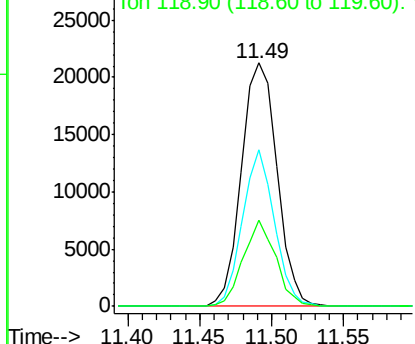
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000572.D  
Acq: 07 Nov 2019 12:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SO-2RE

Tgt Ion:117 Resp: 36575  
Ion Ratio Lower Upper  
117 100  
82 64.2 40.8 61.2#  
119 35.5 26.2 39.2

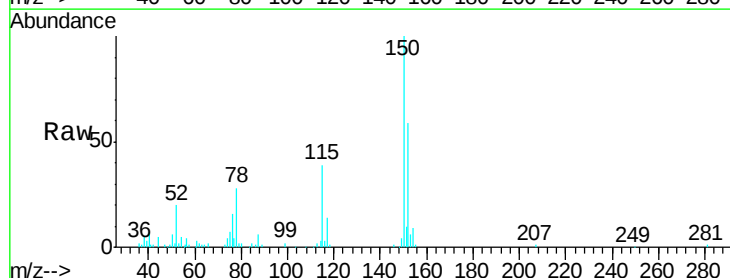


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000572.D  
Acq: 07 Nov 2019 12:07

Tgt Ion:152 Resp: 14813  
Ion Ratio Lower Upper  
152 100  
115 60.3 29.1 87.4  
150 164.5 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

