

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY110619\  
 Data File : VY000551.D  
 Acq On : 06 Nov 2019 15:10  
 Operator : SY/MD  
 Sample : K5710-02  
 Misc : 6.41G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP- 31-S2

Quant Time: Nov 07 06:04:22 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      | 7.80  | 168  | 200390   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 354296   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 318604   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 152197   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 119128   | 57.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.90% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 106721   | 51.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.62% |      |
| 50) Toluene-d8              | 10.18  | 98  | 412792   | 52.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.60% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 142752   | 47.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.02%  |      |

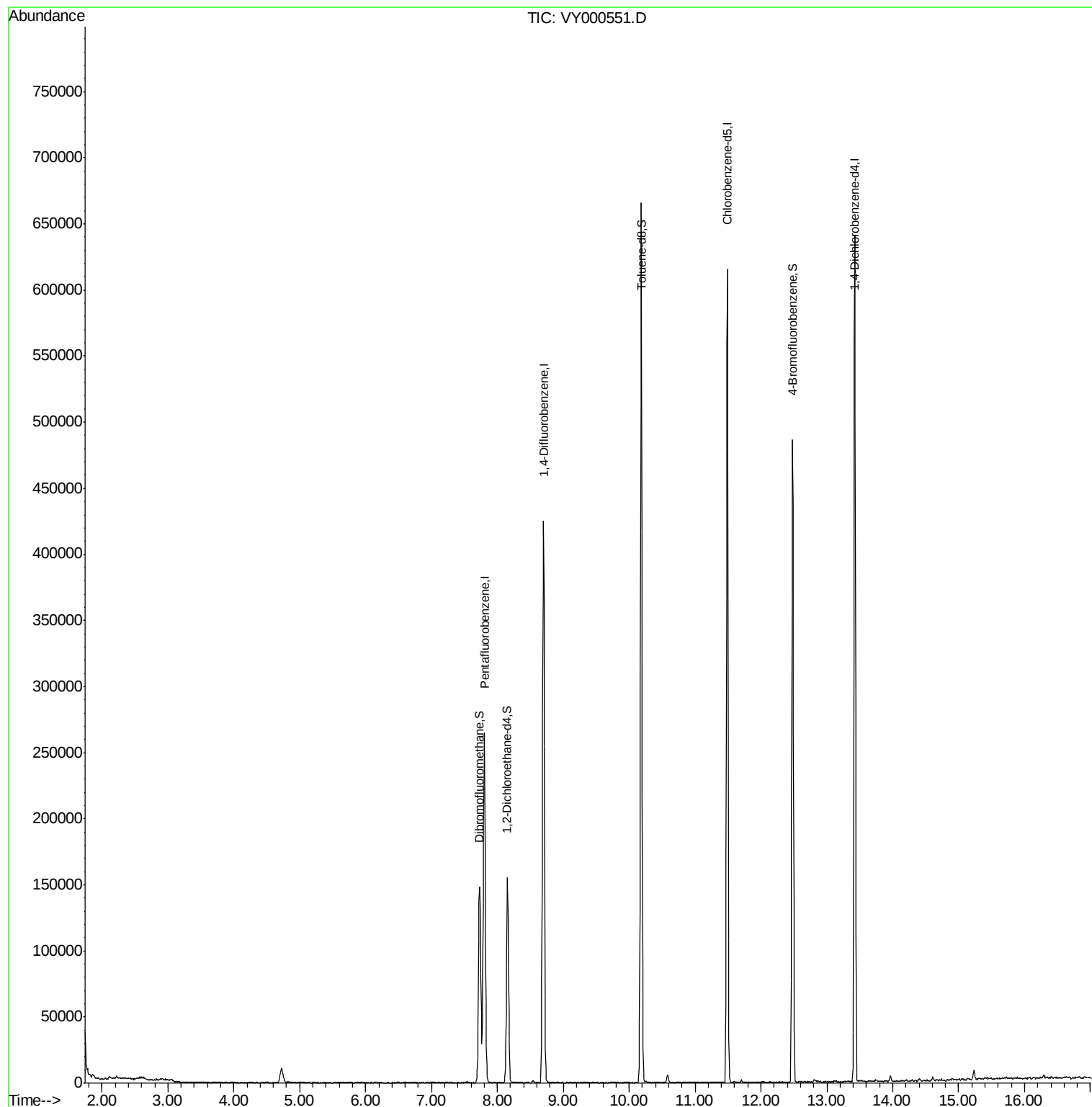
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

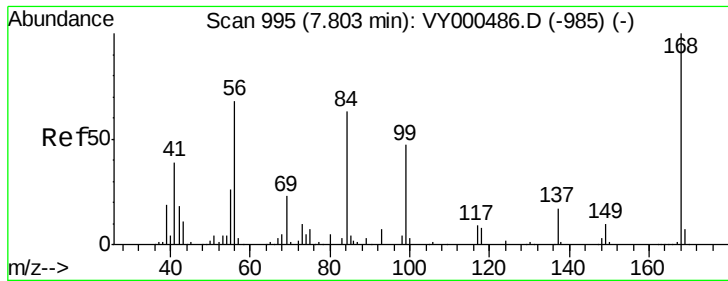
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY110619\  
Data File : VY000551.D  
Acq On : 06 Nov 2019 15:10  
Operator : SY/MD  
Sample : K5710-02  
Misc : 6.41G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP- 31-S2

Quant Time: Nov 07 06:04:22 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: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000551.D

Acq: 06 Nov 2019 15:10

Instrument :

MSVOA\_Y

ClientSampleId :

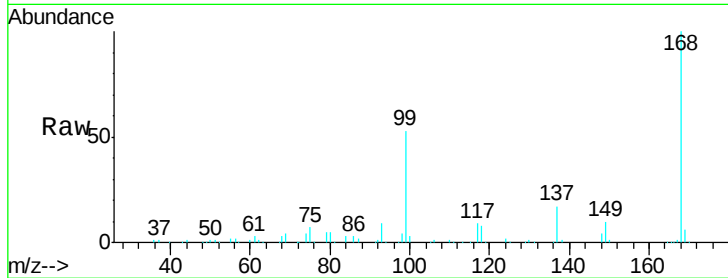
TP- 31-S2

Tgt Ion:168 Resp: 200390

Ion Ratio Lower Upper

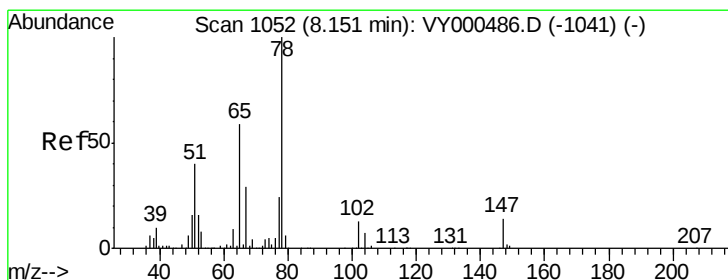
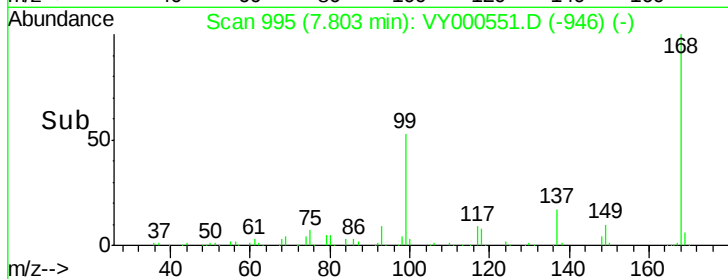
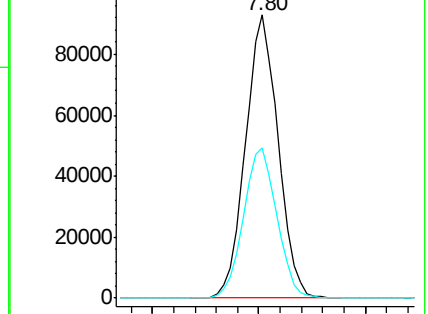
168 100

99 53.2 45.7 68.5



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

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.445 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000551.D

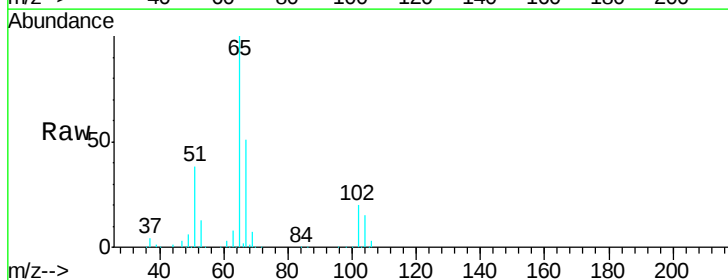
Acq: 06 Nov 2019 15:10

Tgt Ion: 65 Resp: 119128

Ion Ratio Lower Upper

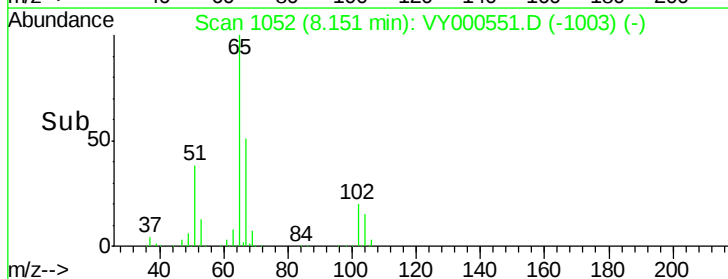
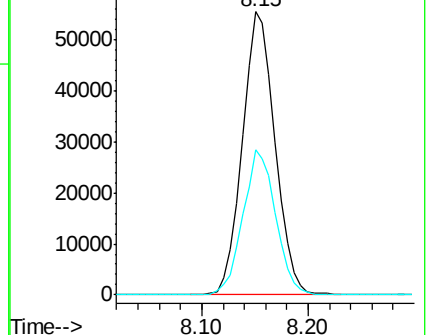
65 100

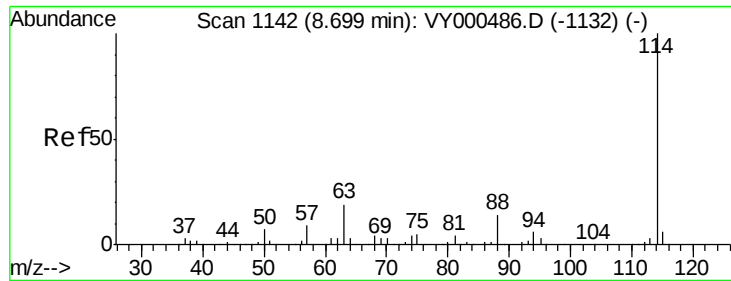
67 51.5 0.0 107.2



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

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

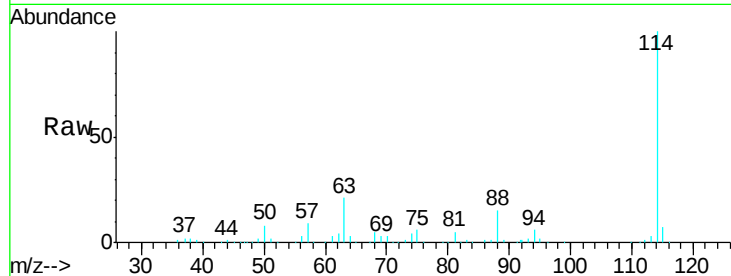




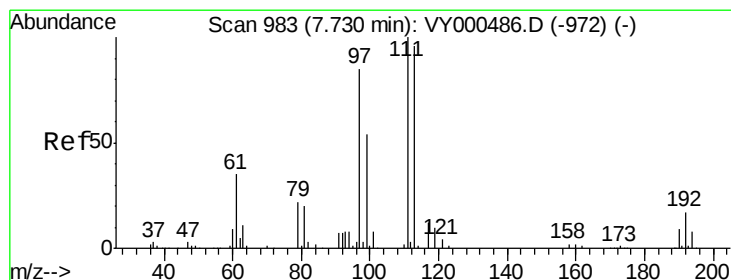
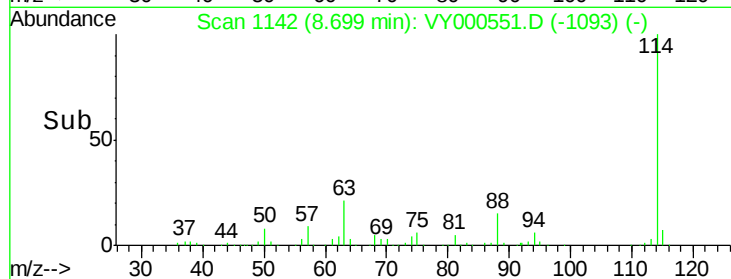
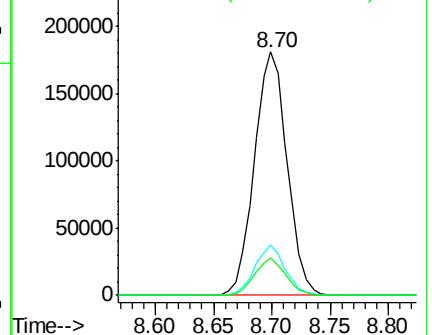
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: VY000551.D  
 Acq: 06 Nov 2019 15:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP- 31-S2

Tgt Ion:114 Resp: 354296  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 38.0  
 88 15.2 0.0 28.6

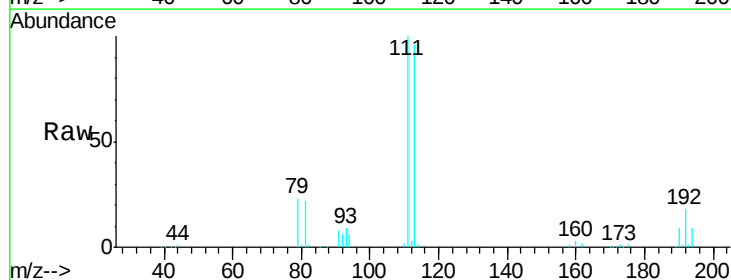


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

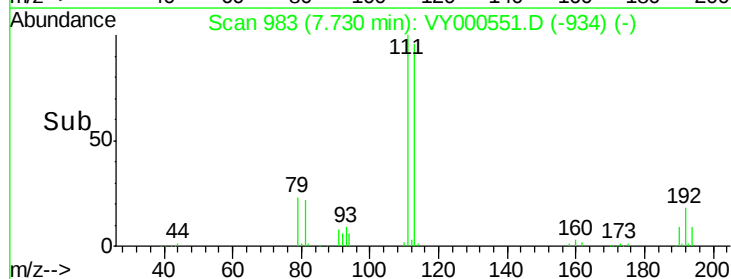
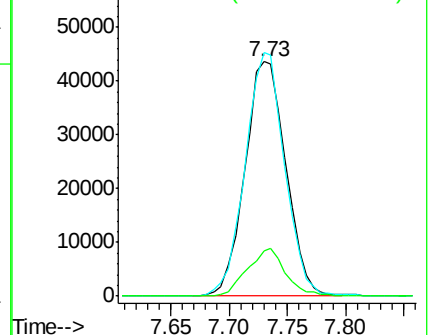


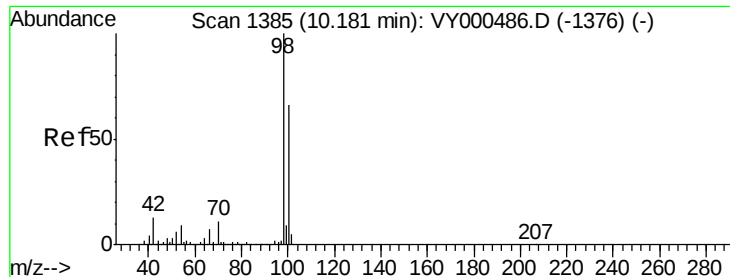
#35  
 Dibromofluoromethane  
 Concen: 51.309 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000551.D  
 Acq: 06 Nov 2019 15:10

Tgt Ion:113 Resp: 106721  
 Ion Ratio Lower Upper  
 113 100  
 111 100.2 81.7 122.5  
 192 18.9 15.0 22.4



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: 52.303 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000551.D

Acq: 06 Nov 2019 15:10

Instrument :

MSVOA\_Y

ClientSampled :

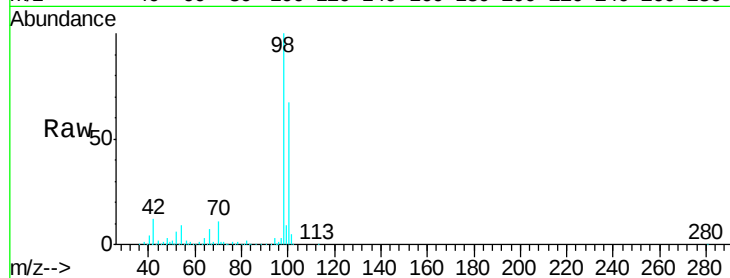
TP- 31-S2

Tgt Ion: 98 Resp: 412792

Ion Ratio Lower Upper

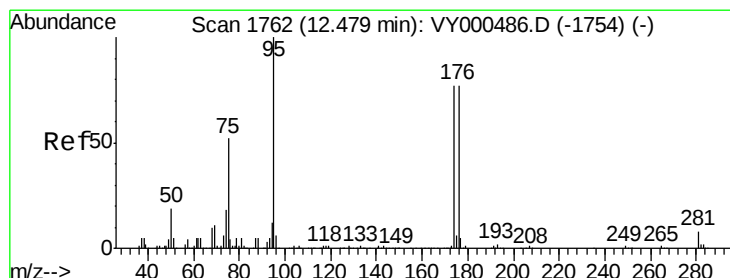
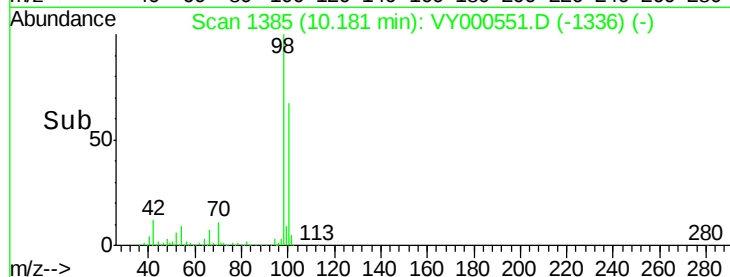
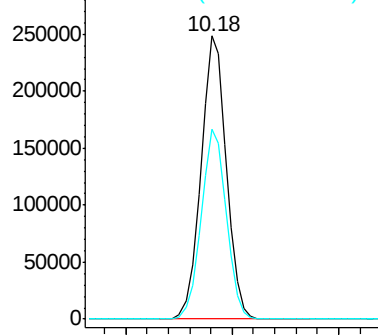
98 100

100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 47.512 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000551.D

Acq: 06 Nov 2019 15:10

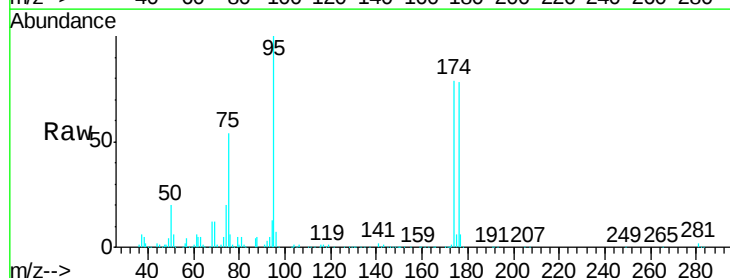
Tgt Ion: 95 Resp: 142752

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

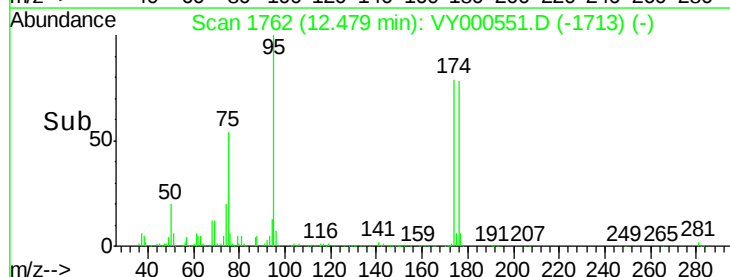
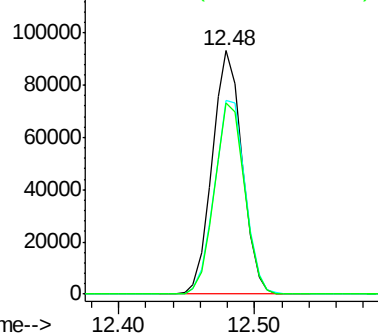
176 79.4 0.0 157.8



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

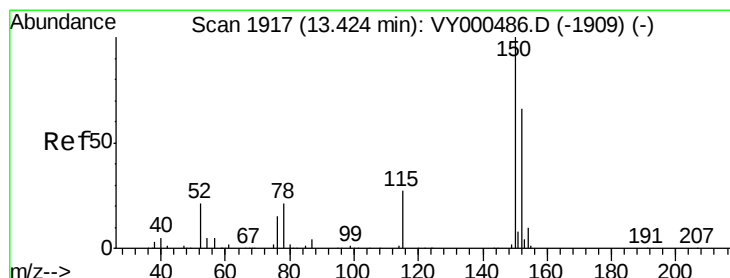
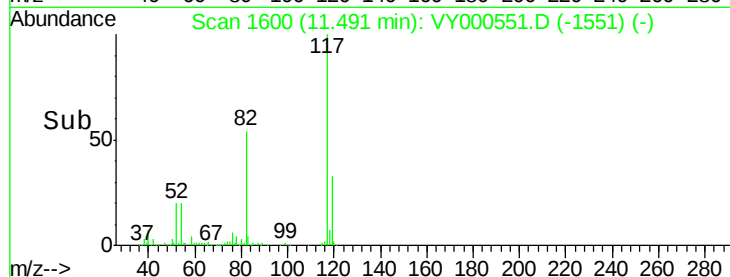
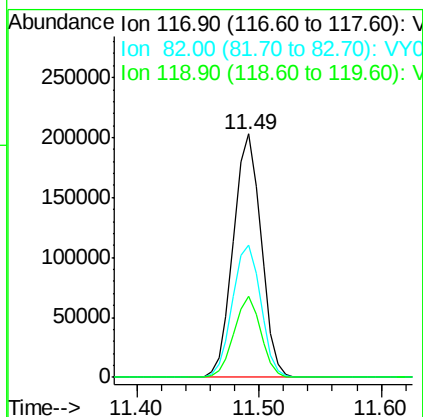
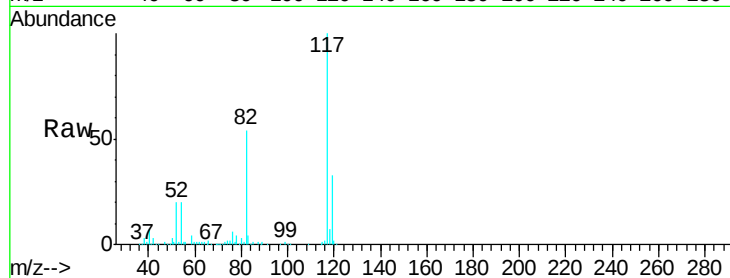




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000551.D  
Acq: 06 Nov 2019 15:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP- 31-S2

Tgt Ion:117 Resp: 318604  
Ion Ratio Lower Upper  
117 100  
82 54.2 40.8 61.2  
119 33.4 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000551.D  
Acq: 06 Nov 2019 15:10

Tgt Ion:152 Resp: 152197  
Ion Ratio Lower Upper  
152 100  
115 58.8 29.1 87.4  
150 154.3 0.0 348.8

