

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY110619\  
 Data File : VY000556.D  
 Acq On : 06 Nov 2019 17:01  
 Operator : SY/MD  
 Sample : K5725-01  
 Misc : 3.70G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SO-1

Quant Time: Nov 07 06:11:31 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  | 192125   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 333986   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 272034   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 92300    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 111973   | 56.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.64% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 102273   | 52.16 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.32% |      |
| 50) Toluene-d8              | 10.18  | 98  | 381129   | 51.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.46% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 103587   | 36.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 73.14%  |      |

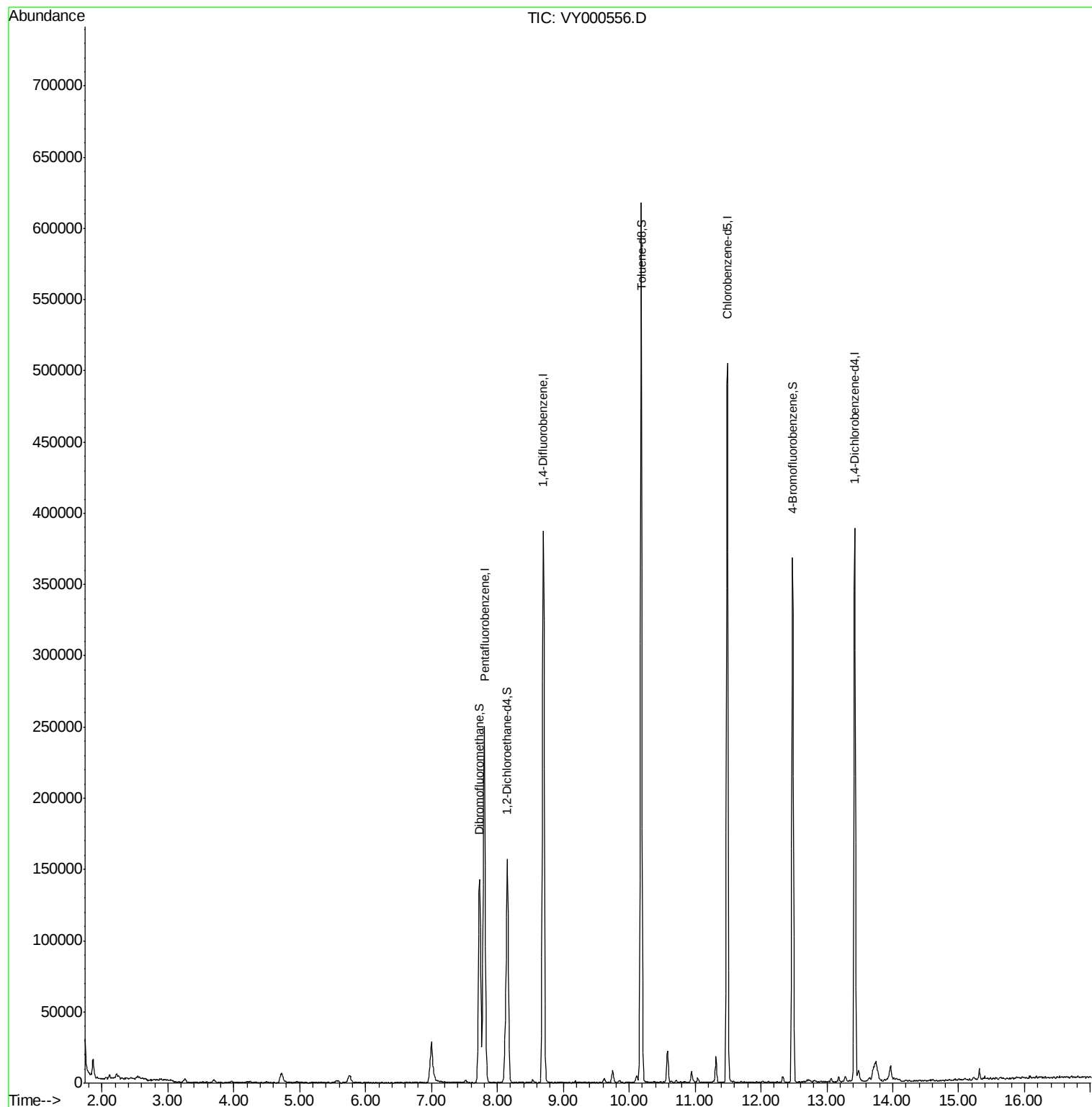
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

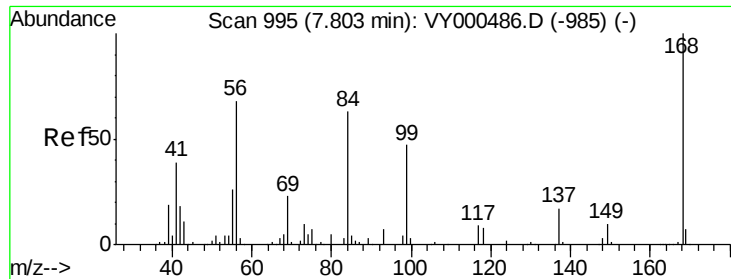
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY110619\  
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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: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA\_Y

ClientSampleId :

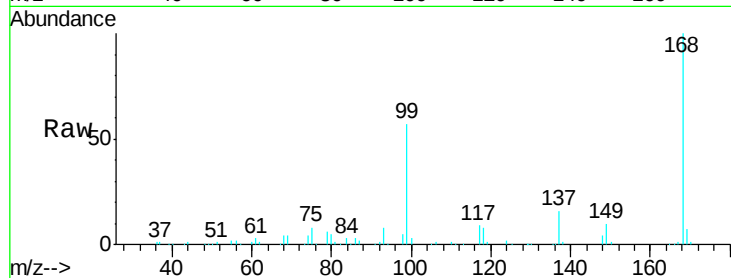
SO-1

Tgt Ion: 168 Resp: 192125

Ion Ratio Lower Upper

168 100

99 57.0 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) (-)

7.80

80000

60000

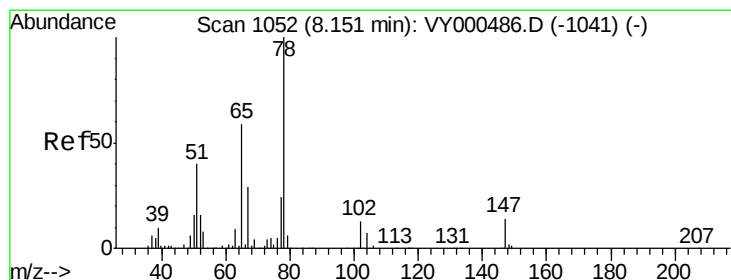
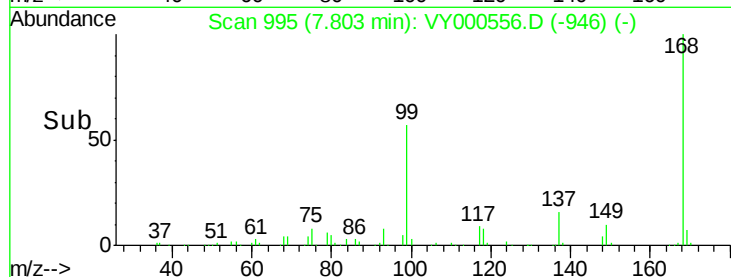
40000

20000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.318 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000556.D

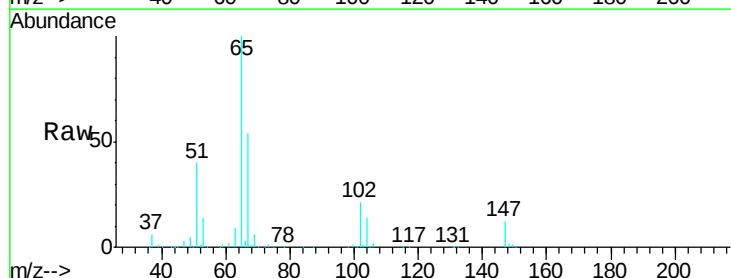
Acq: 06 Nov 2019 17:01

Tgt Ion: 65 Resp: 111973

Ion Ratio Lower Upper

65 100

67 52.6 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) (-)

8.15

60000

50000

40000

30000

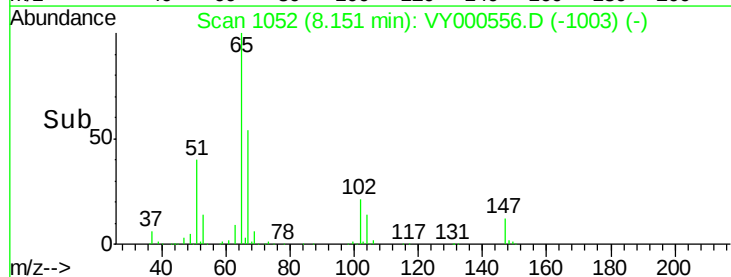
20000

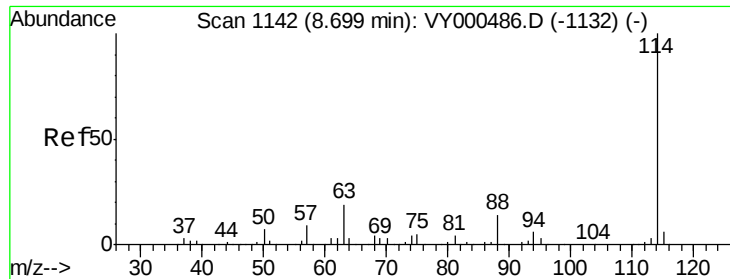
10000

0

8.10 8.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA\_Y

ClientSampleId :

SO-1

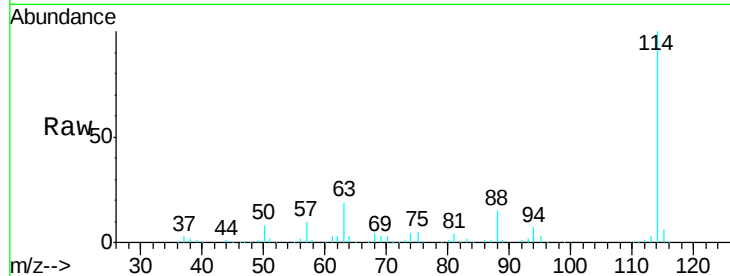
Tgt Ion:114 Resp: 333986

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.0

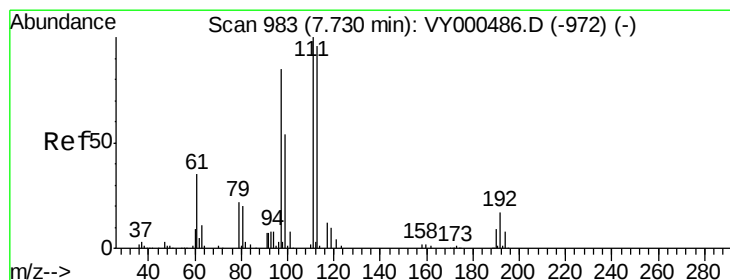
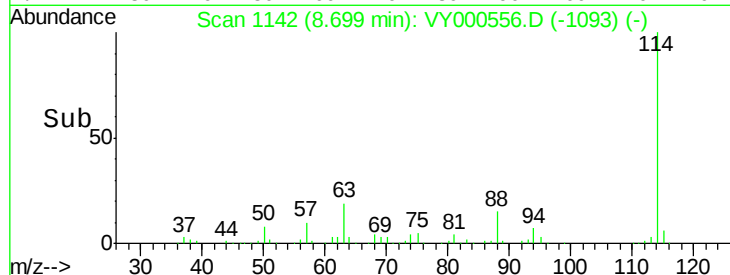
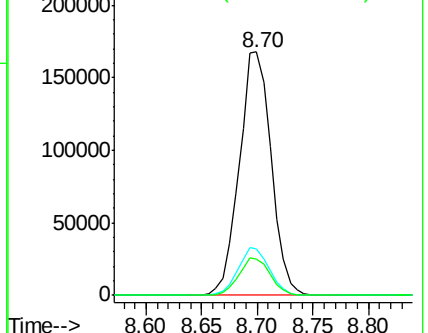
88 15.0 0.0 28.6



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: 52.161 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

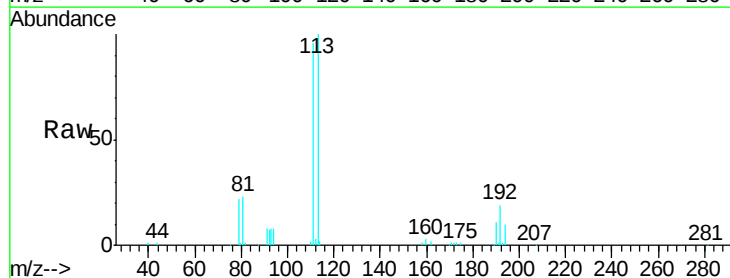
Tgt Ion:113 Resp: 102273

Ion Ratio Lower Upper

113 100

111 99.9 81.7 122.5

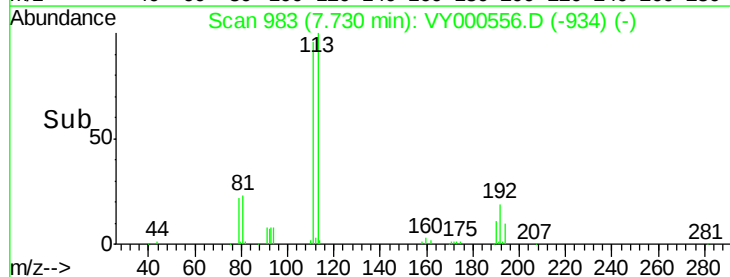
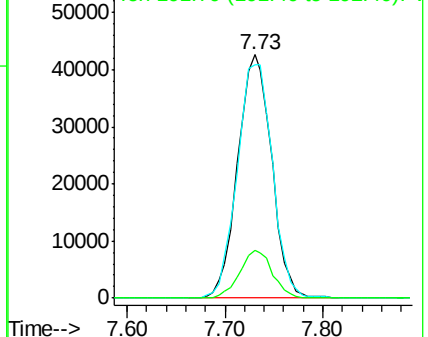
192 18.9 15.0 22.4

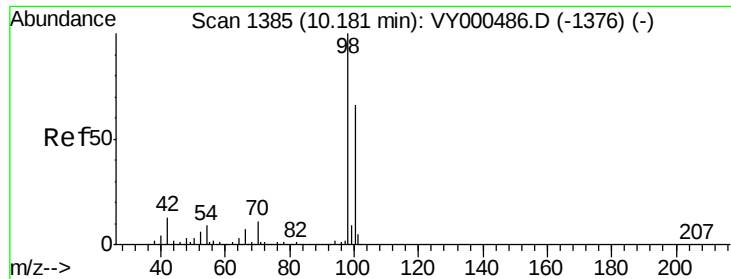


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.228 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA\_Y

ClientSampleId :

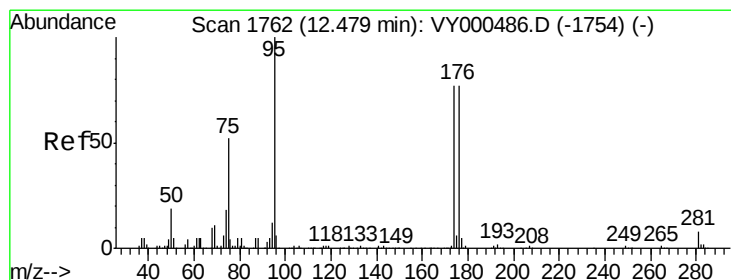
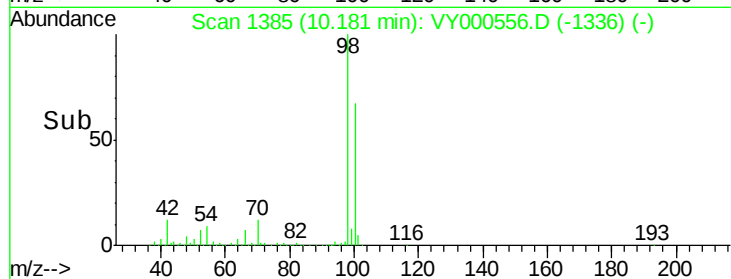
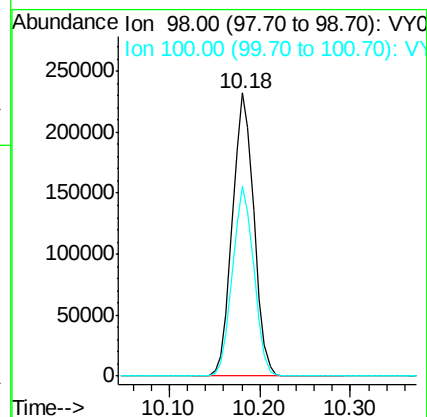
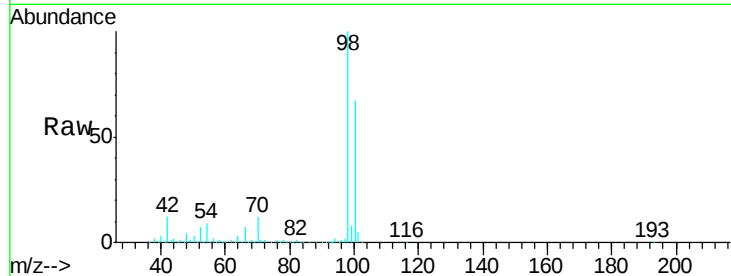
SO-1

Tgt Ion: 98 Resp: 381129

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 36.573 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

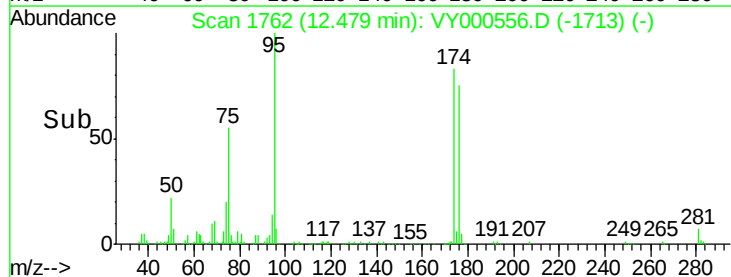
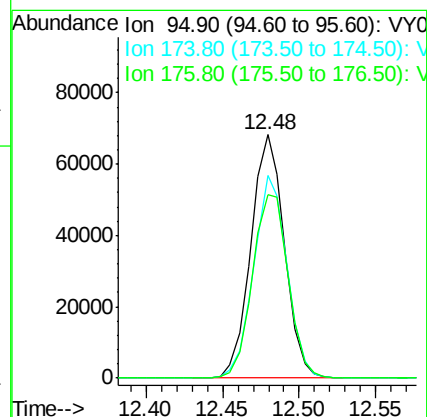
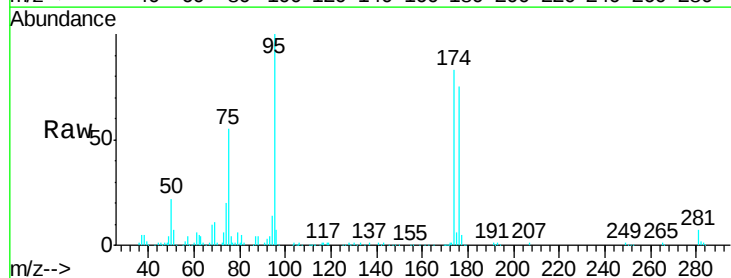
Tgt Ion: 95 Resp: 103587

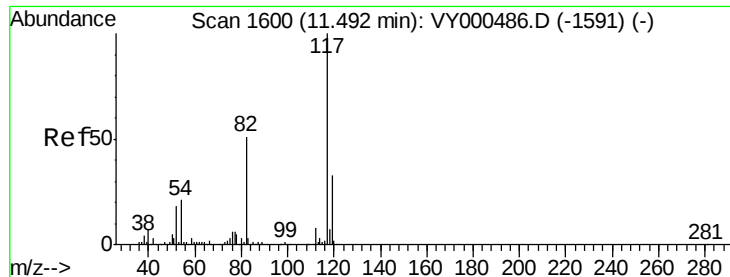
Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

176 80.8 0.0 157.8

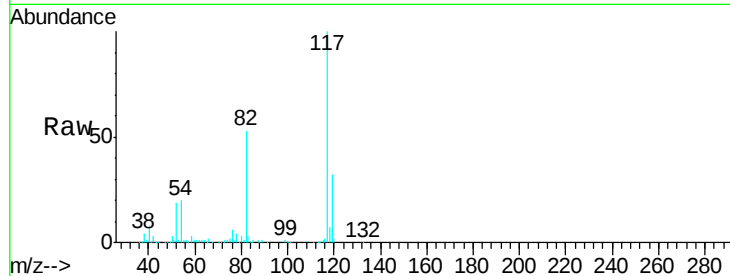




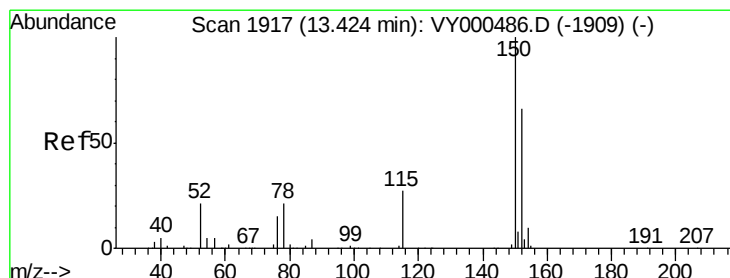
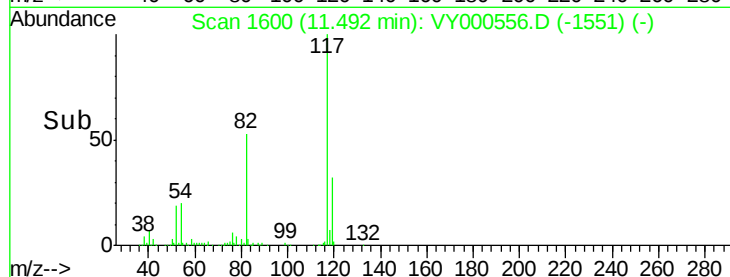
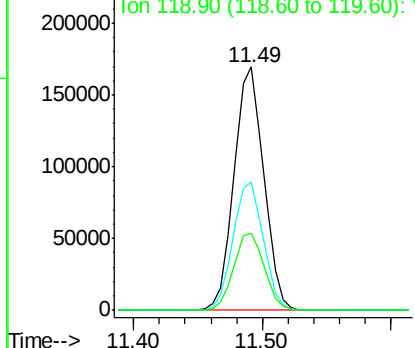
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY000556.D  
Acq: 06 Nov 2019 17:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SO-1

Tgt Ion:117 Resp: 272034  
Ion Ratio Lower Upper  
117 100  
82 52.6 40.8 61.2  
119 31.6 26.2 39.2

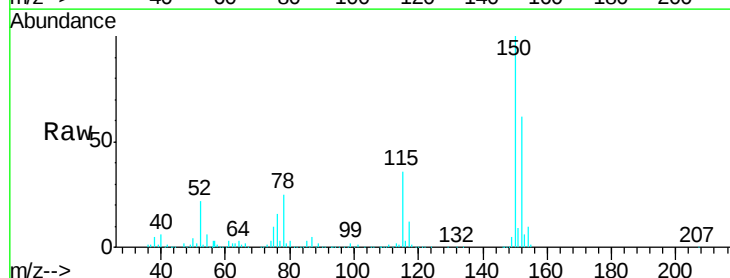


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY000556.D  
Acq: 06 Nov 2019 17:01

Tgt Ion:152 Resp: 92300  
Ion Ratio Lower Upper  
152 100  
115 57.8 29.1 87.4  
150 155.9 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

