

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\  
 Data File : VY001364.D  
 Acq On : 23 Jan 2020 19:00  
 Operator : SY/MD  
 Sample : L1241-10  
 Misc : 4.79G/5ML/MSVOA Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-16

Quant Time: Jan 24 08:19:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

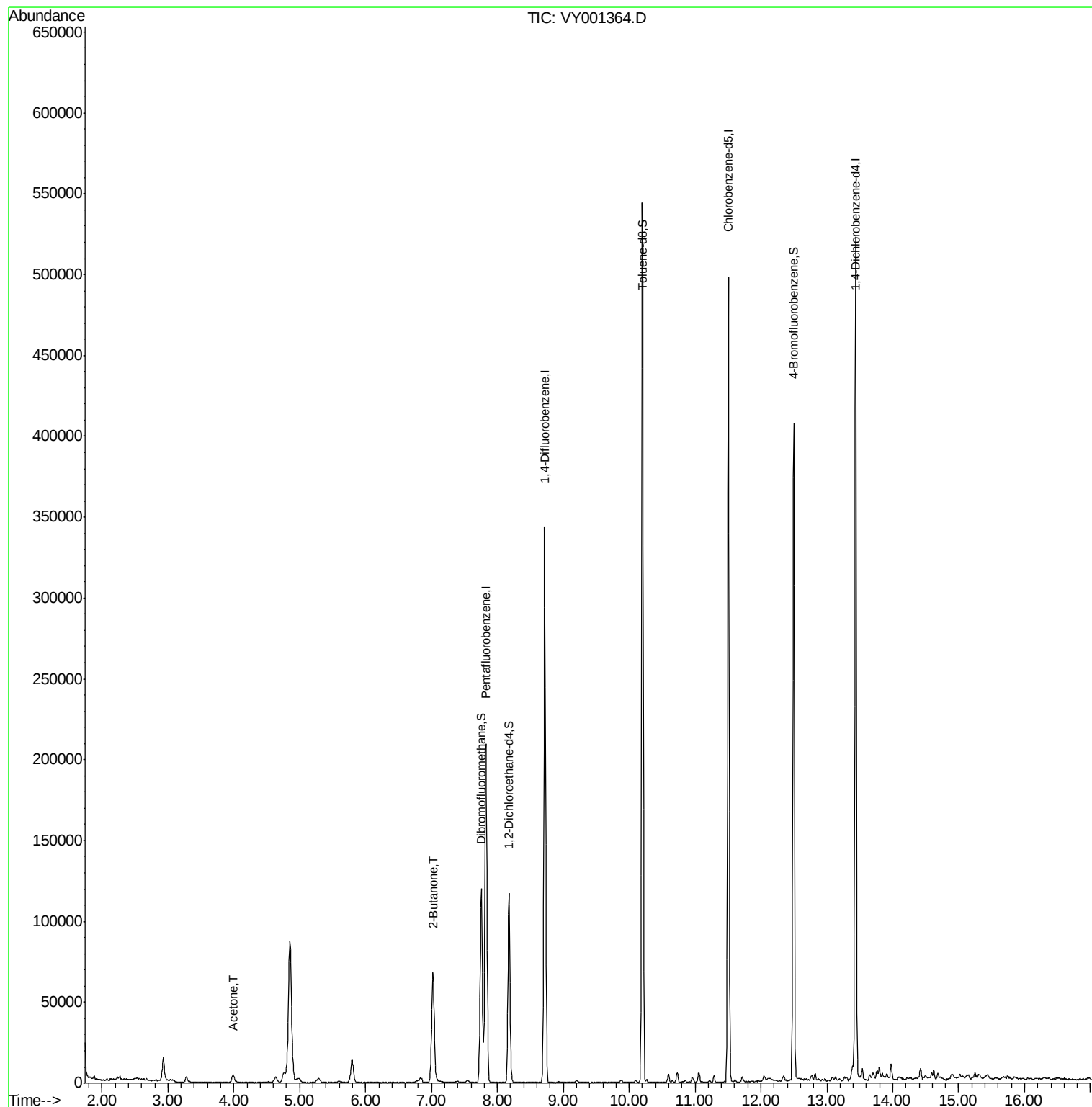
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.83  | 168  | 162582   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.72  | 114  | 296139   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 269797   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 126769   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 86127    | 48.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.36%  |          |
| 35) Dibromofluoromethane    | 7.75  | 113  | 85998    | 49.48  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.96%  |          |
| 50) Toluene-d8              | 10.20 | 98   | 350747   | 51.94  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.88% |          |
| 62) 4-Bromofluorobenzene    | 12.50 | 95   | 129341   | 48.10  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.99  | 43   | 8856     | 11.780 | ug/l    | 94       |
| 25) 2-Butanone              | 7.02  | 43   | 4028     | 5.231  | ug/l #  | 70       |

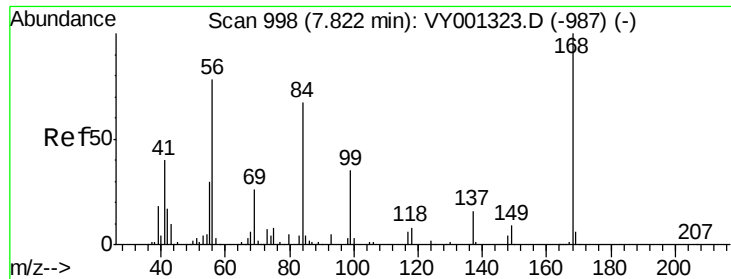
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001364.D

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Instrument :

MSVOA\_Y

ClientSampleId :

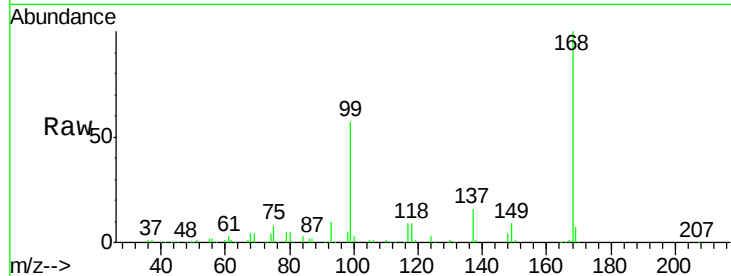
EP-16

Tot Ion:168 Resp: 162582

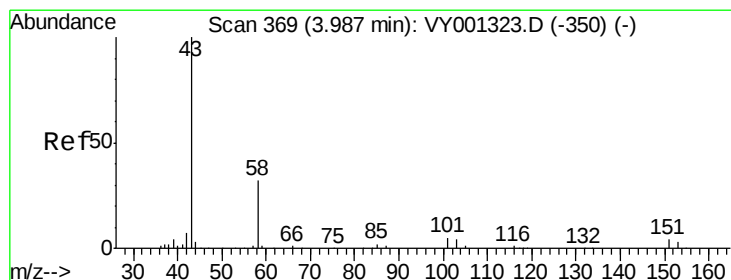
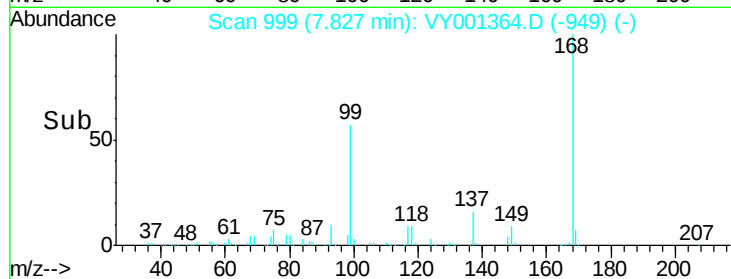
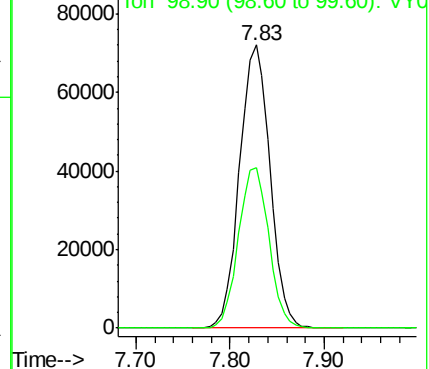
Ion Ratio Lower Upper

168 100

99 56.5 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001364.D (-949) (-)



#16

Acetone

Concen: 11.780 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.01 min

Lab File: VY001364.D

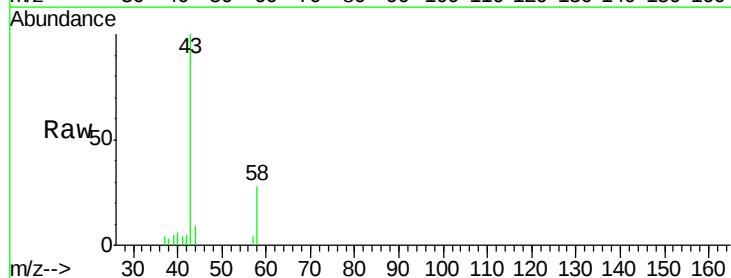
Acq: 23 Jan 2020 19:00

Tgt Ion: 43 Resp: 8856

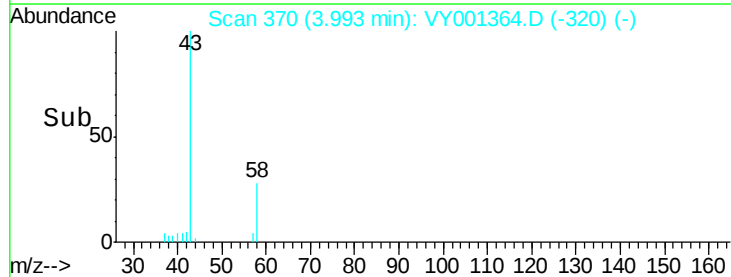
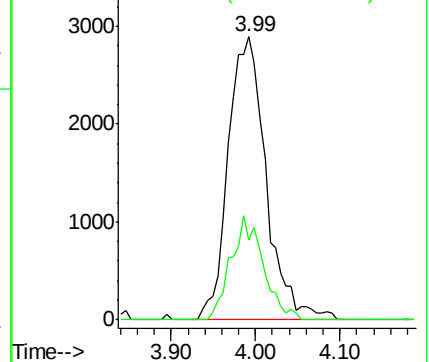
Ion Ratio Lower Upper

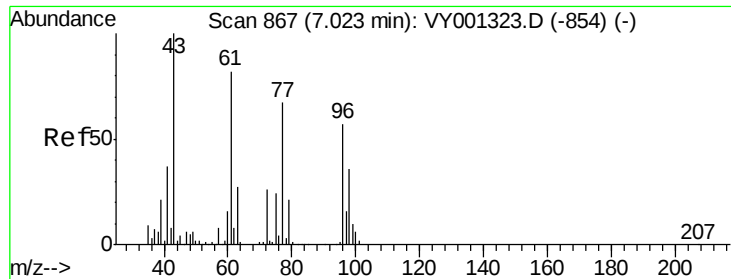
43 100

58 28.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY001364.D (-320) (-)





#25

2-Butanone

Concen: 5.231 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY001364.D

Acq: 23 Jan 2020 19:00

Instrument :

MSVOA\_Y

ClientSampleId :

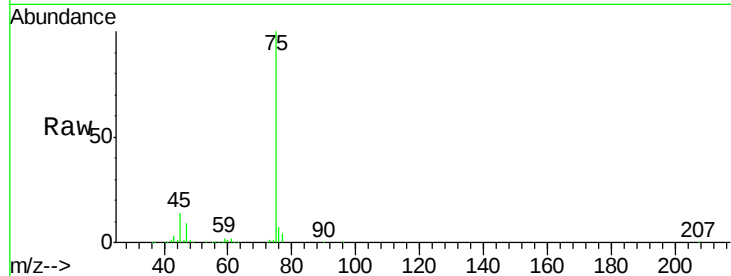
EP-16

Tot Ion: 43 Resp: 4028

Ion Ratio Lower Upper

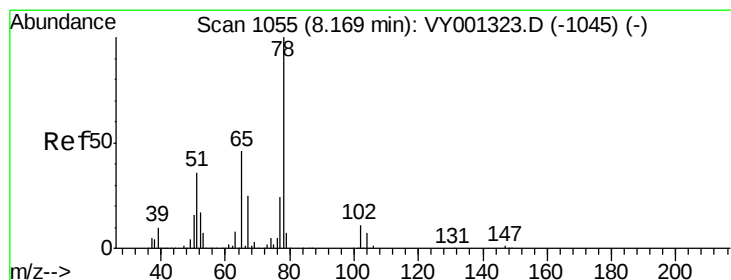
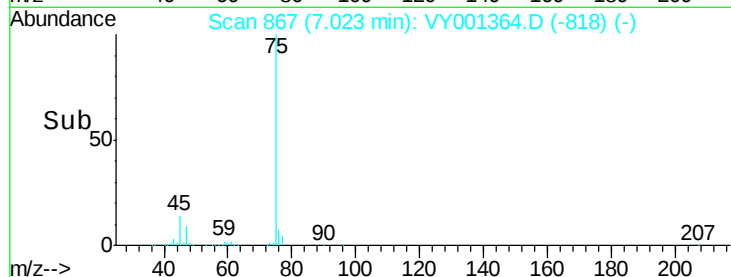
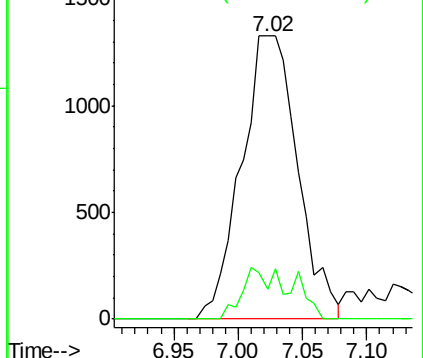
43 100

72 10.5 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 48.684 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001364.D

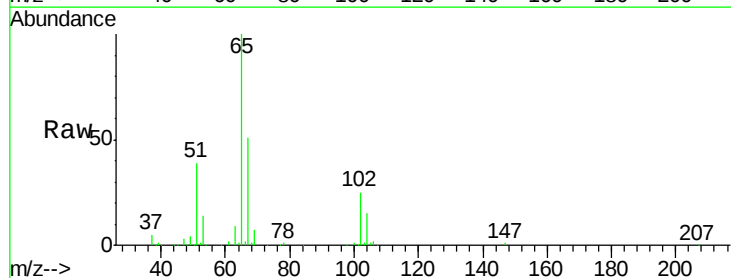
Acq: 23 Jan 2020 19:00

Tgt Ion: 65 Resp: 86127

Ion Ratio Lower Upper

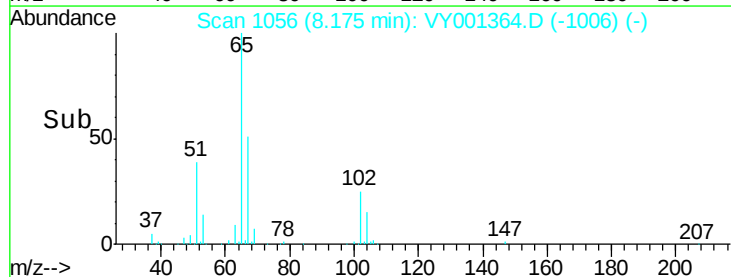
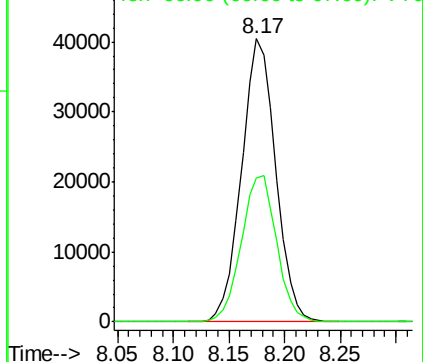
65 100

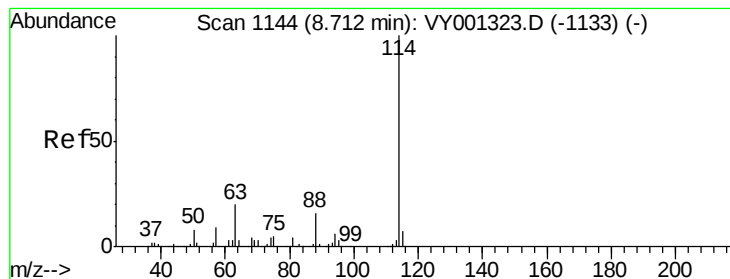
67 53.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001364.D

Acq: 23 Jan 2020 19:00

Instrument :

MSVOA\_Y

ClientSampleId :

EP-16

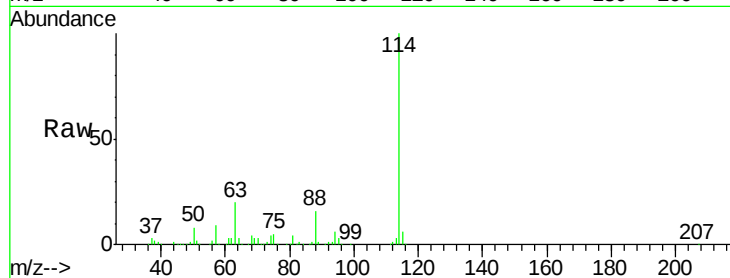
Tot Ion:114 Resp: 296139

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

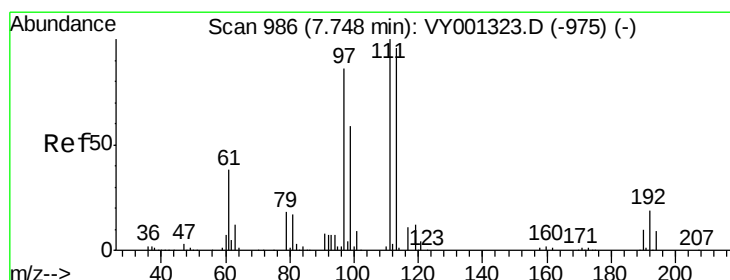
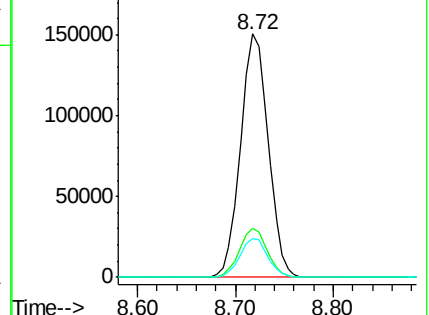
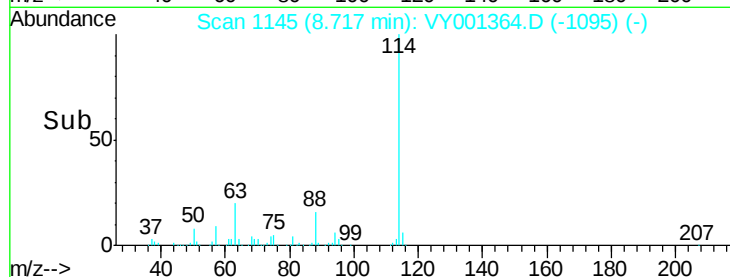
88 16.0 0.0 31.0



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: 49.479 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001364.D

Acq: 23 Jan 2020 19:00

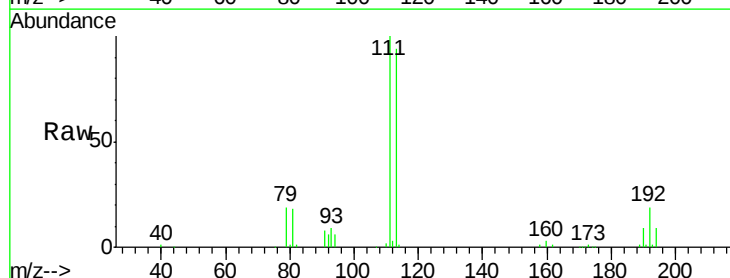
Tgt Ion:113 Resp: 85998

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

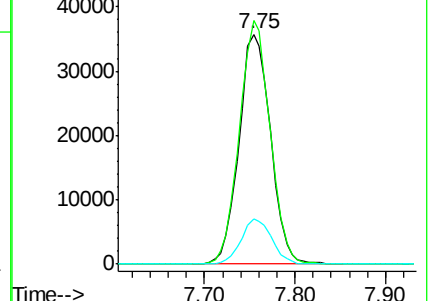
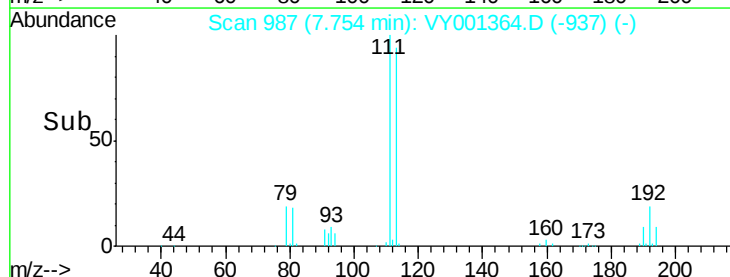
192 19.4 15.5 23.3

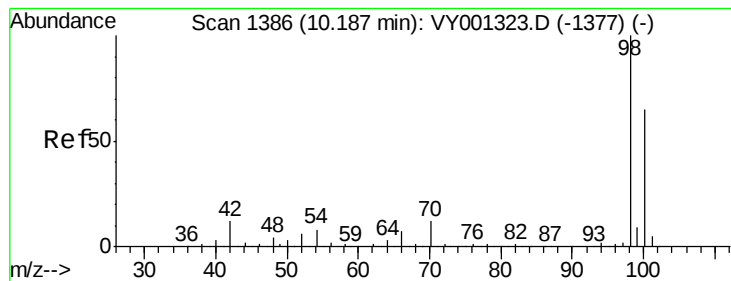


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.941 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001364.D

Acq: 23 Jan 2020 19:00

Instrument :

MSVOA\_Y

ClientSampleId :

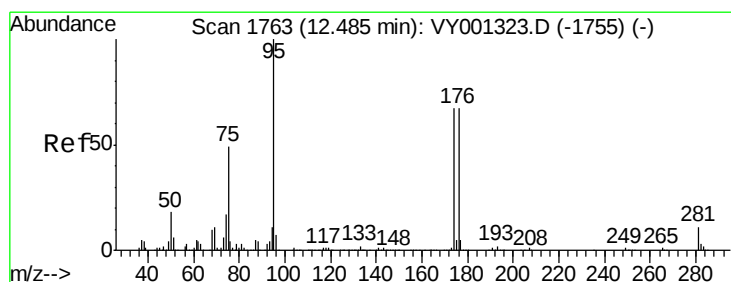
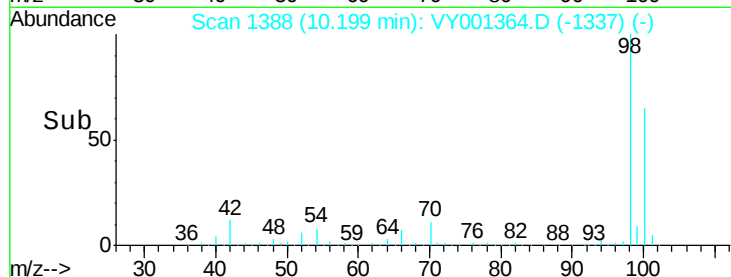
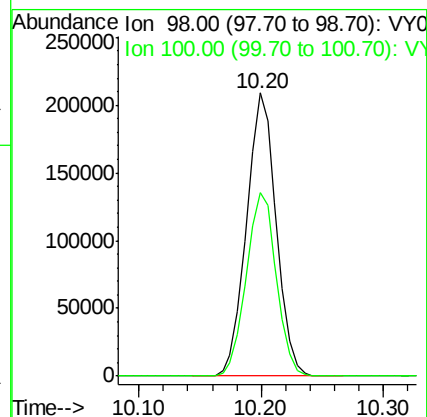
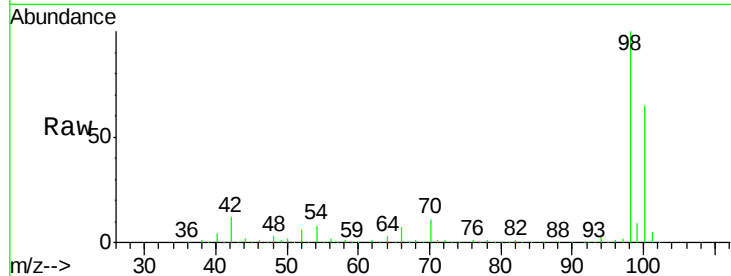
EP-16

Tot Ion: 98 Resp: 350747

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 48.097 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001364.D

Acq: 23 Jan 2020 19:00

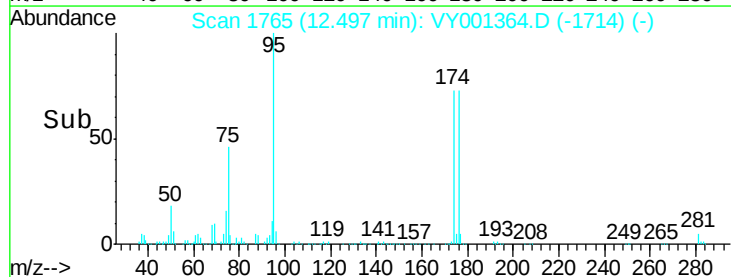
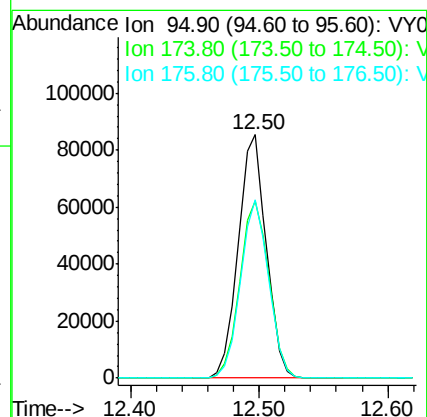
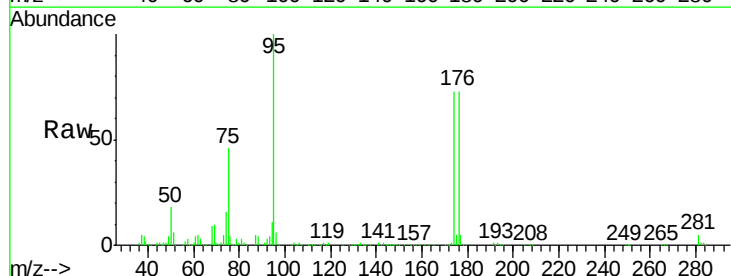
Tgt Ion: 95 Resp: 129341

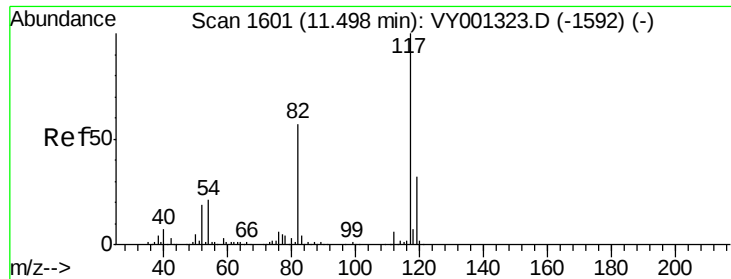
Ion Ratio Lower Upper

95 100

174 75.6 0.0 142.0

176 72.8 0.0 138.6

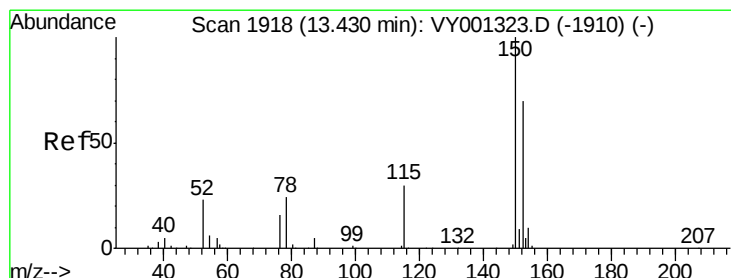
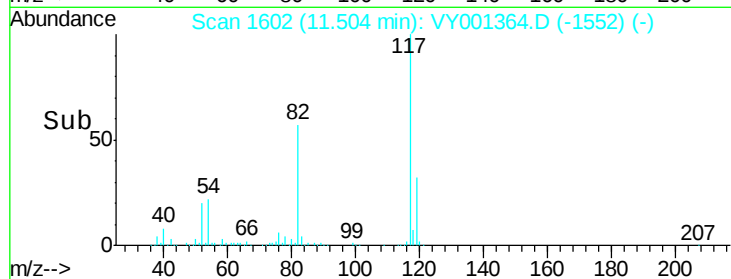
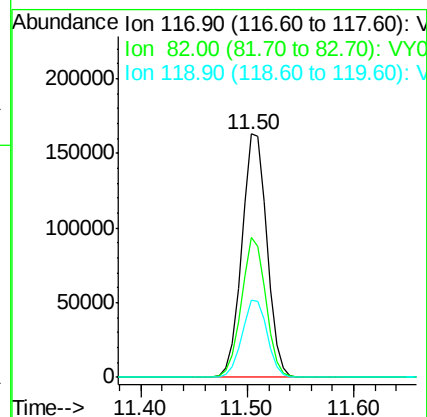
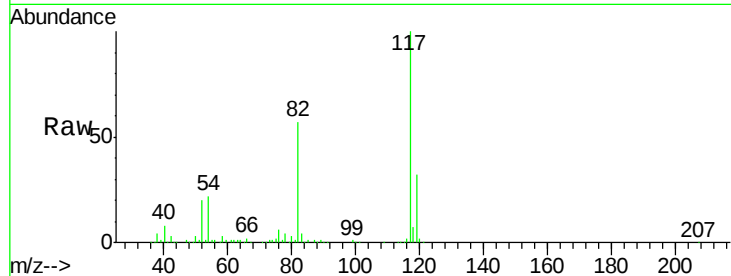




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY001364.D  
Acq: 23 Jan 2020 19:00

Instrument :  
MSVOA\_Y  
ClientSampled :  
EP-16

Tot Ion:117 Resp: 269797  
Ion Ratio Lower Upper  
117 100  
82 57.3 45.5 68.3  
119 31.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY001364.D  
Acq: 23 Jan 2020 19:00

Tgt Ion:152 Resp: 126769  
Ion Ratio Lower Upper  
152 100  
115 60.2 30.9 92.8  
150 157.6 0.0 349.2

