

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\  
 Data File : VY000288.D  
 Acq On : 11 Oct 2019 22:03  
 Operator : SY/MD  
 Sample : K5323-07  
 Misc : 7.82G/5ML/MSVOA Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-4

Quant Time: Oct 14 08:49:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 08:10:23 2019  
 Response via : Initial Calibration

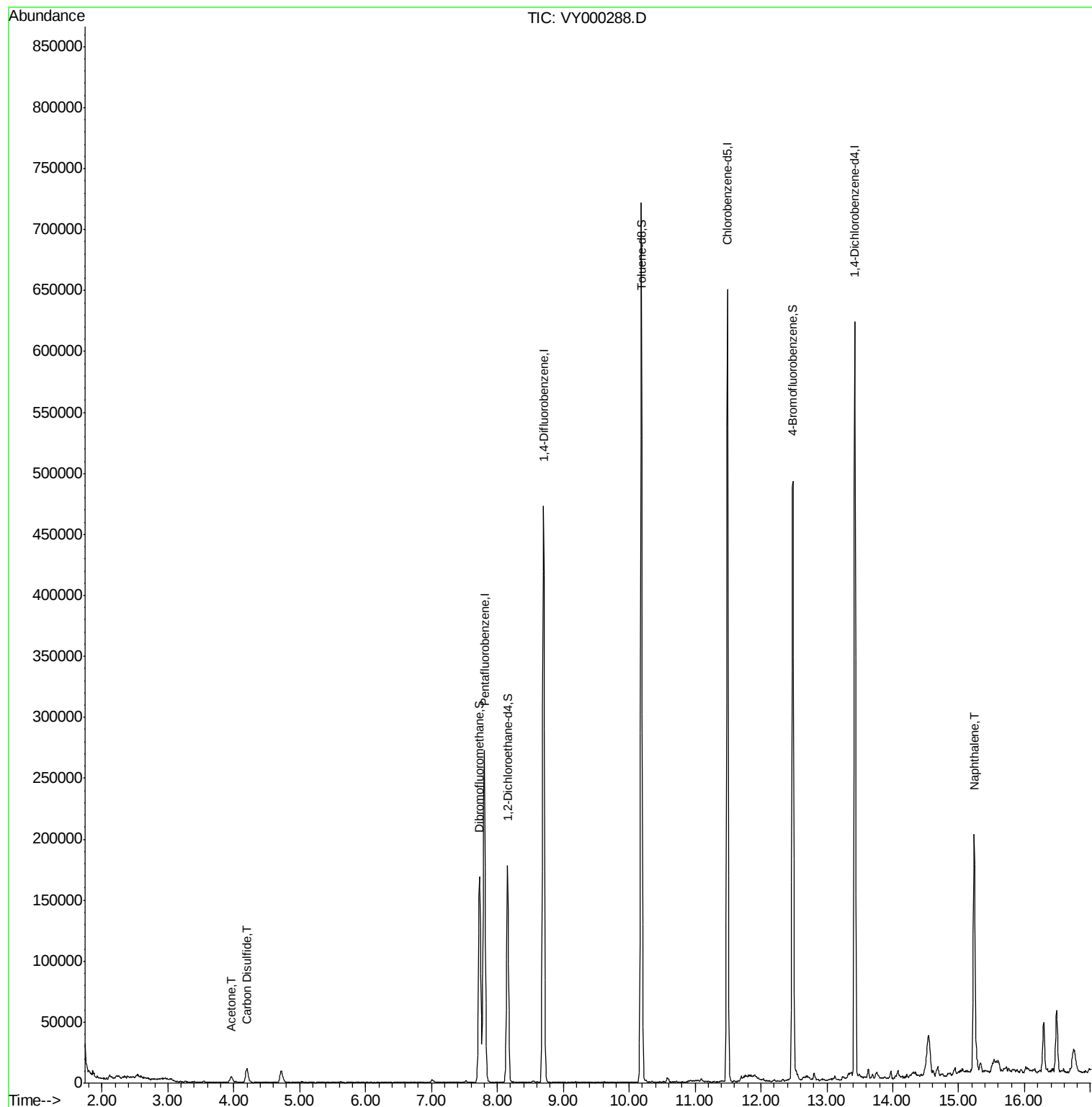
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 211822   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 397629   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 346173   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 149926   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 135235   | 60.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.04% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 118149   | 49.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.52%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 467819   | 50.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.40% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 154184   | 43.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 8868     | 12.256 | ug/l    | 93       |
| 17) Carbon Disulfide        | 4.20  | 76   | 22291    | 3.309  | ug/l #  | 90       |
| 95) Naphthalene             | 15.23 | 128  | 130845   | 18.156 | ug/l    | 99       |

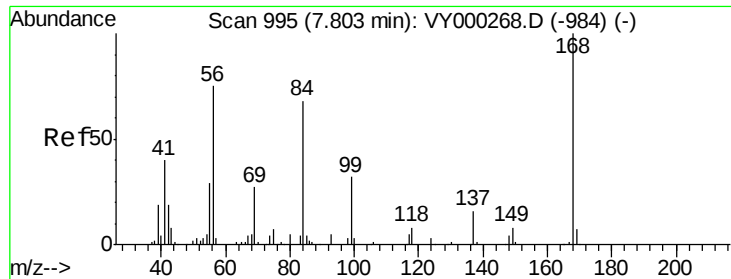
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 14 08:10:23 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: VY000288.D

Acq: 11 Oct 2019 22:03

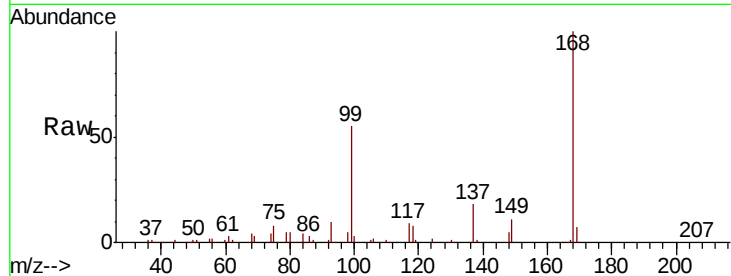
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-4

Tot Ion:168 Resp: 211822

Ion Ratio Lower Upper

168 100

99 54.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000288.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000288.D (-984) (-)

7.80

100000

80000

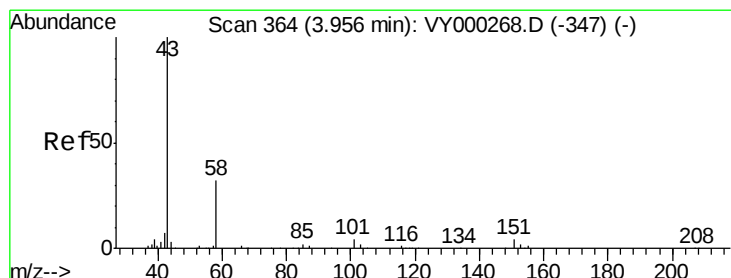
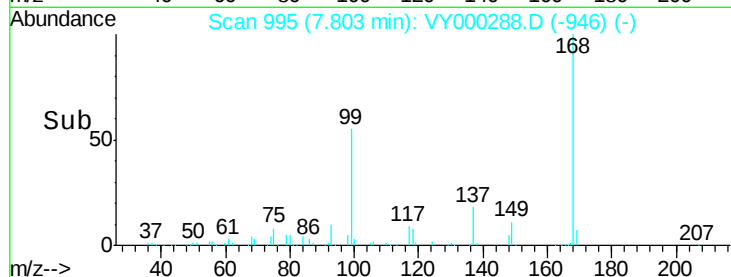
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 12.256 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000288.D

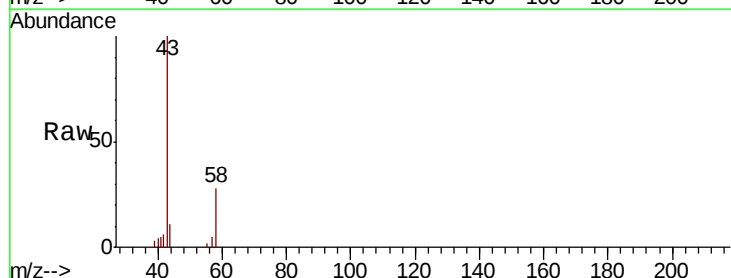
Acq: 11 Oct 2019 22:03

Tgt Ion: 43 Resp: 8868

Ion Ratio Lower Upper

43 100

58 28.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000288.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000288.D (-347) (-)

3.96

4000

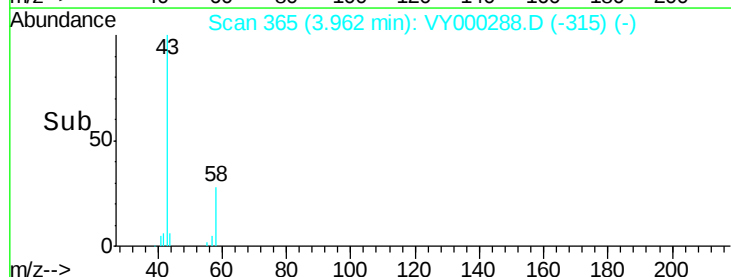
3000

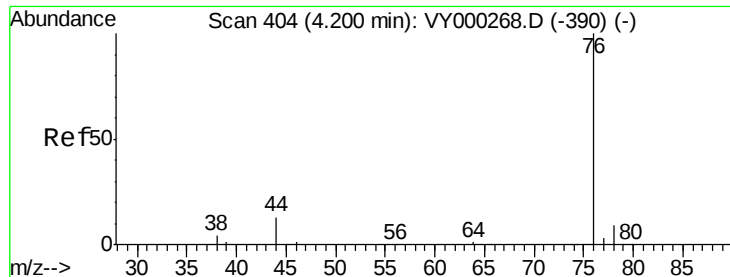
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 3.309 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

Instrument :

MSVOA\_Y

ClientSampleId :

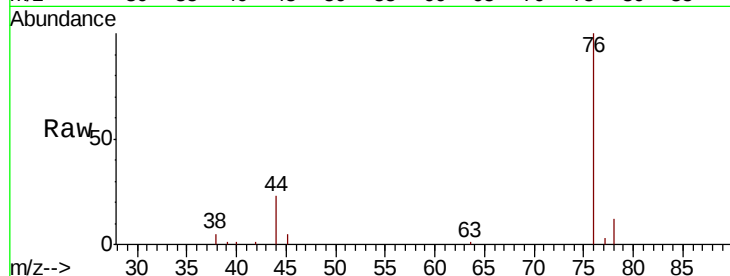
TP-4

Tot Ion: 76 Resp: 22291

Ion Ratio Lower Upper

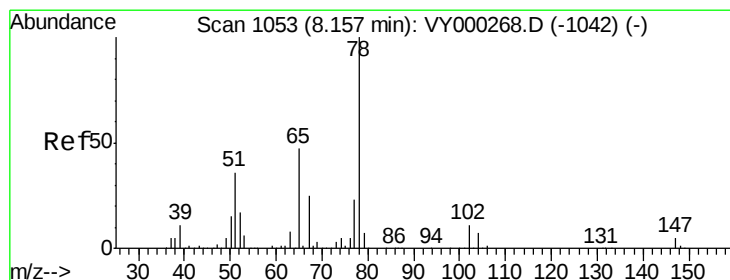
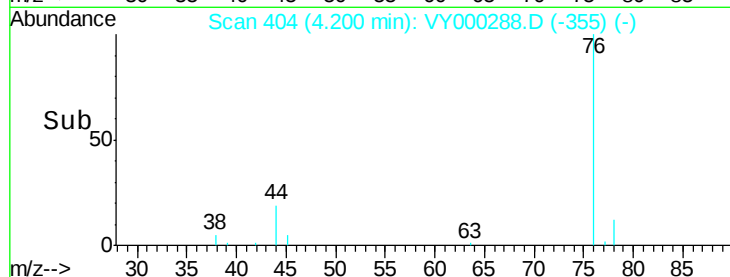
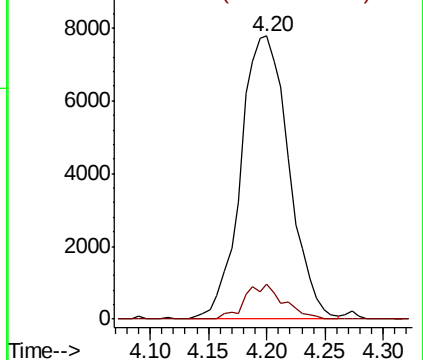
76 100

78 12.3 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 60.524 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000288.D

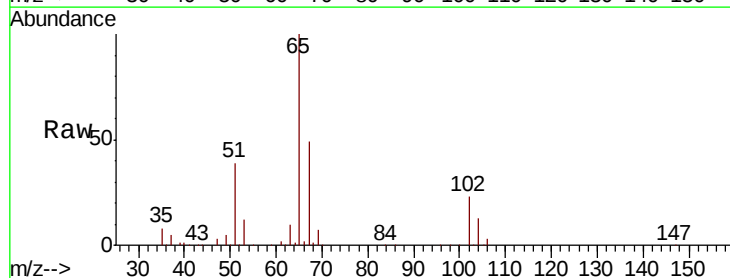
Acq: 11 Oct 2019 22:03

Tgt Ion: 65 Resp: 135235

Ion Ratio Lower Upper

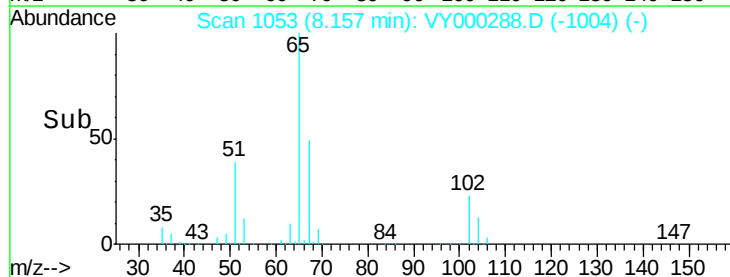
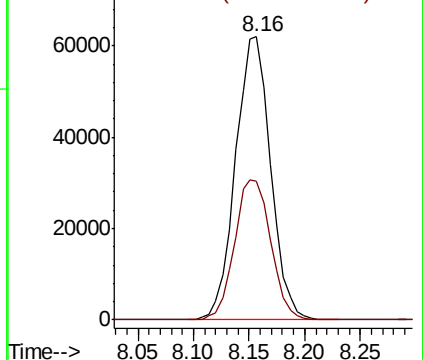
65 100

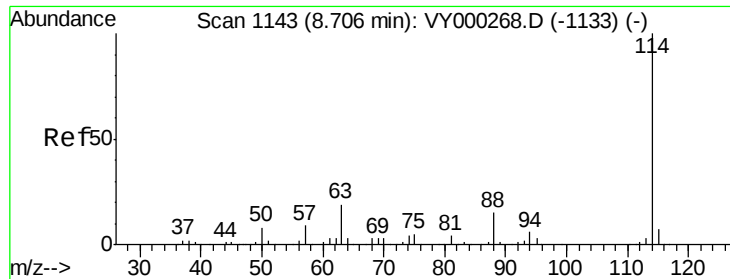
67 51.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

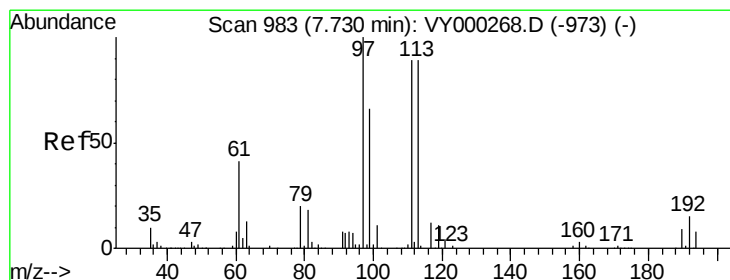
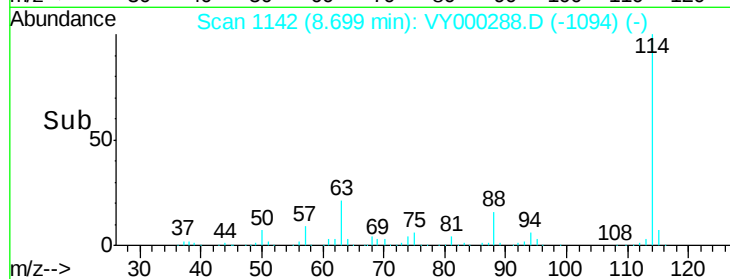
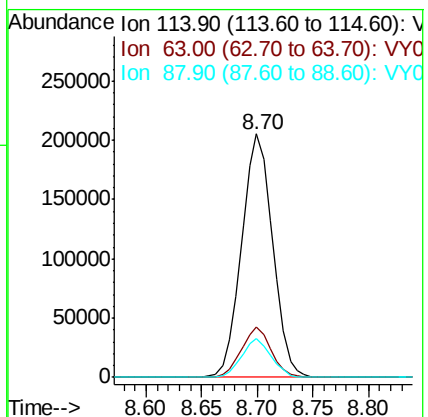
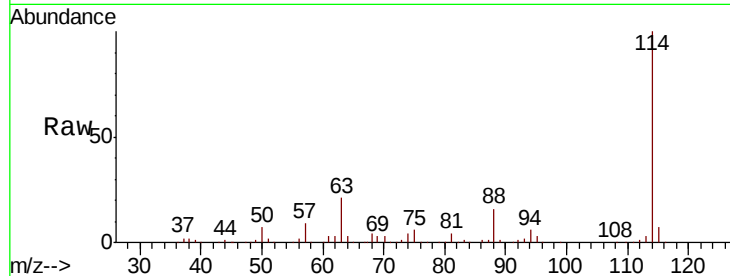




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY000288.D  
 Acq: 11 Oct 2019 22:03

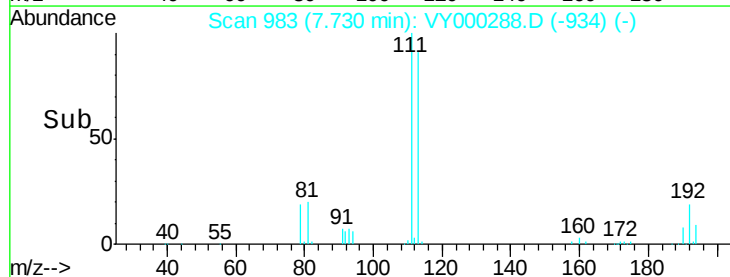
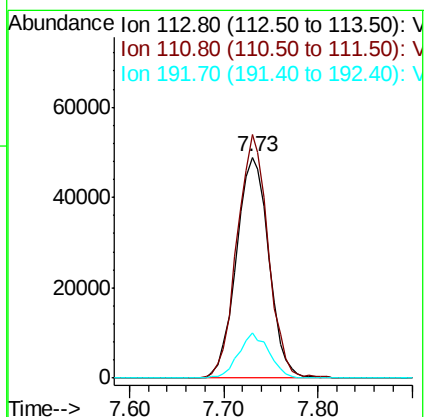
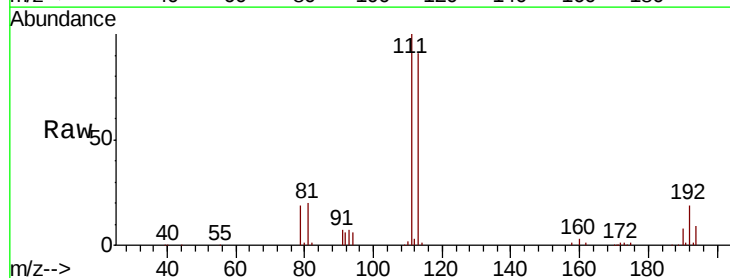
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-4

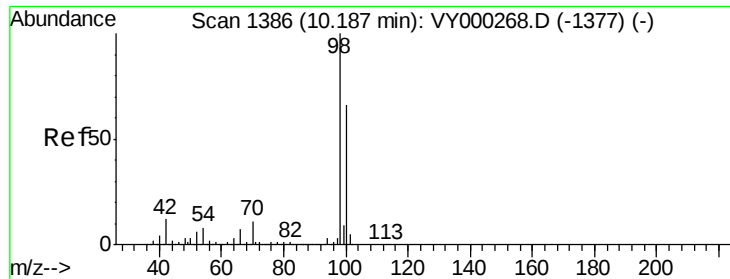
Tot Ion:114 Resp: 397629  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 37.2  
 88 16.1 0.0 30.2



#35  
 Dibromofluoromethane  
 Concen: 49.259 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000288.D  
 Acq: 11 Oct 2019 22:03

Tgt Ion:113 Resp: 118149  
 Ion Ratio Lower Upper  
 113 100  
 111 105.4 81.6 122.4  
 192 19.2 15.3 22.9





#50

Toluene-d8

Concen: 50.704 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

Instrument :

MSVOA\_Y

ClientSampleId :

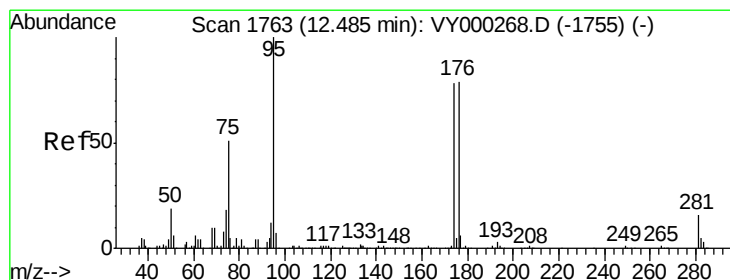
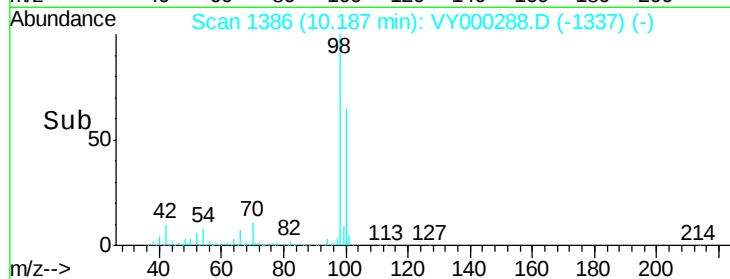
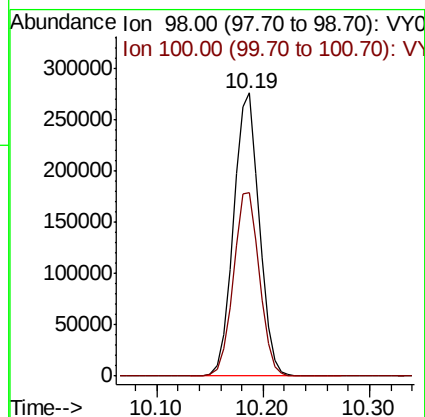
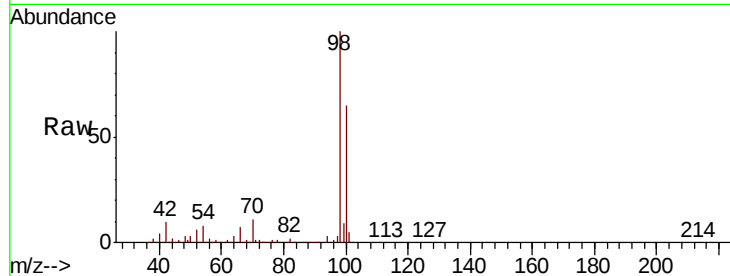
TP-4

Tot Ion: 98 Resp: 467819

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 43.986 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

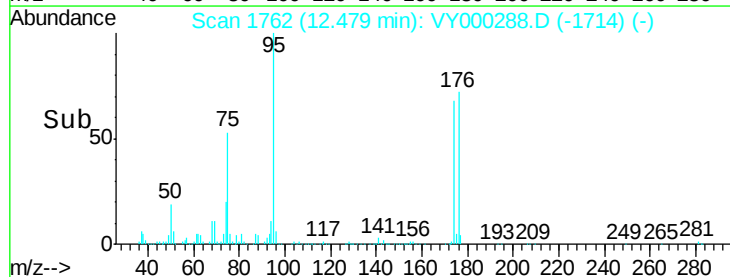
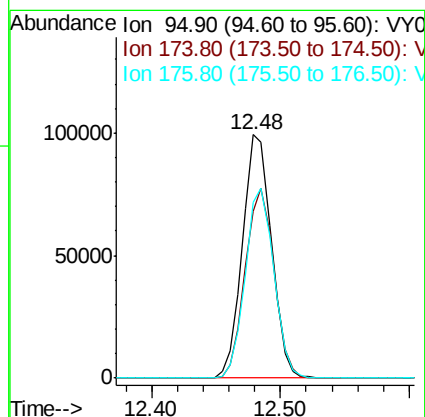
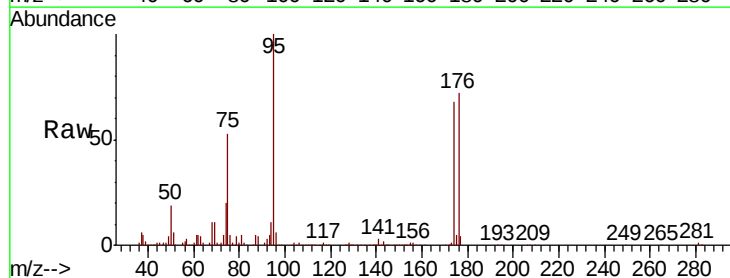
Tgt Ion: 95 Resp: 154184

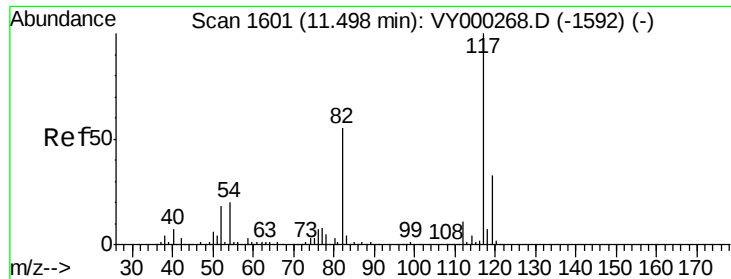
Ion Ratio Lower Upper

95 100

174 77.6 0.0 159.6

176 76.9 0.0 153.8

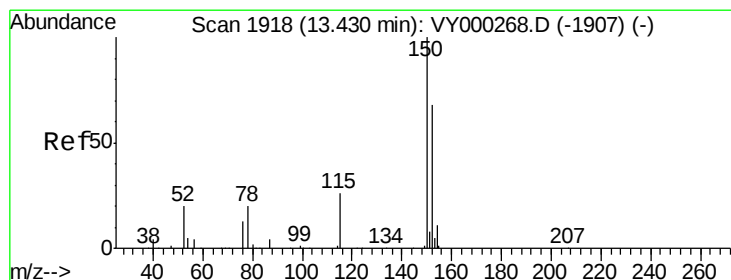
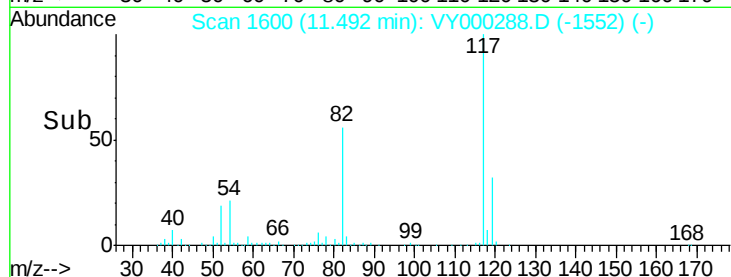
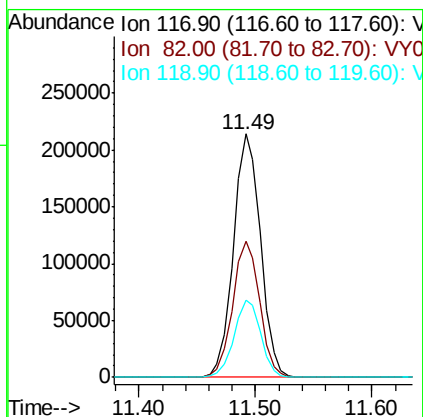
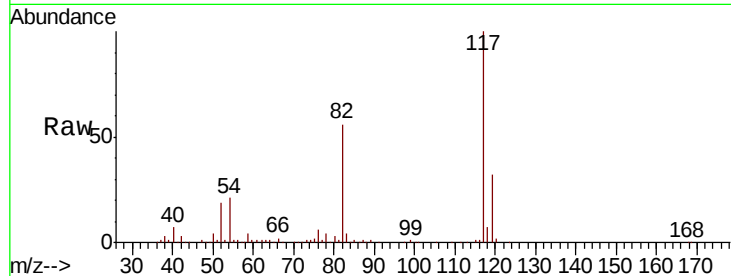




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000288.D  
Acq: 11 Oct 2019 22:03

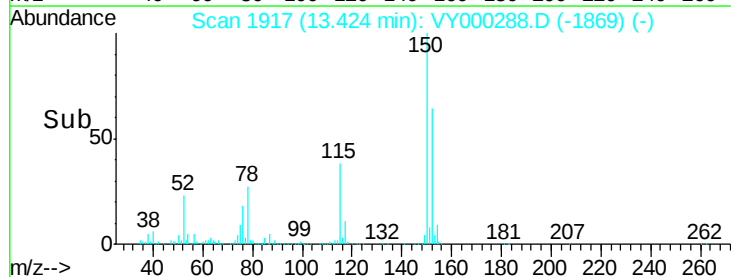
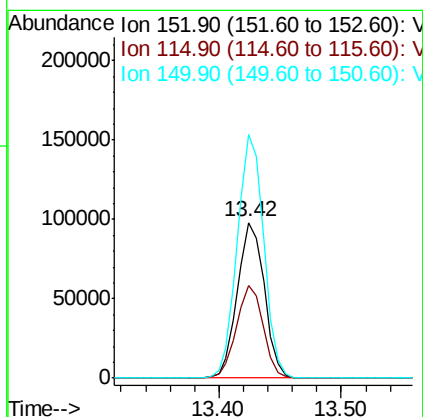
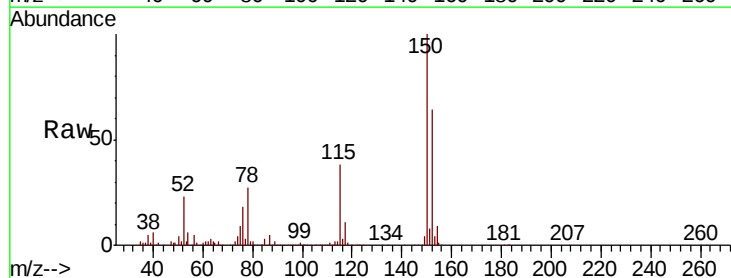
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-4

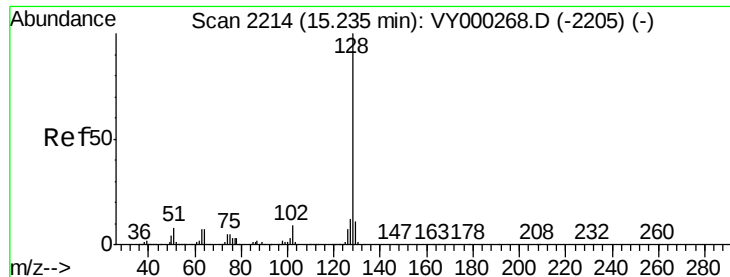
Tot Ion:117 Resp: 346173  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.7 65.5  
119 31.5 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY000288.D  
Acq: 11 Oct 2019 22:03

Tgt Ion:152 Resp: 149926  
Ion Ratio Lower Upper  
152 100  
115 58.5 29.3 88.0  
150 153.4 0.0 348.4





#95

Naphthalene

Concen: 18.156 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000288.D

Acq: 11 Oct 2019 22:03

Instrument :

MSVOA\_Y

ClientSampleId :

TP-4

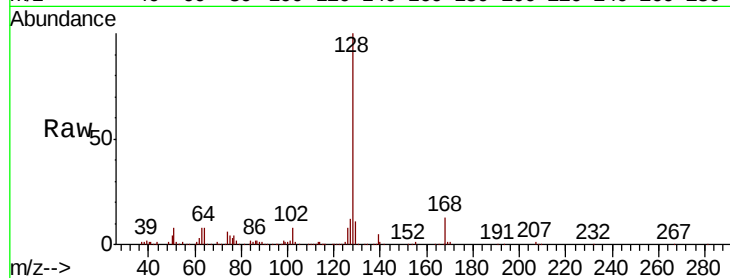
Tot Ion:128 Resp: 130845

Ion Ratio Lower Upper

128 100

127 12.5 9.6 14.4

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

