

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\  
 Data File : VY000628.D  
 Acq On : 08 Nov 2019 19:16  
 Operator : SY/MD  
 Sample : K5722-03  
 Misc : 8.17G/5ML/MSVOA Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 4-C

Quant Time: Nov 11 07:15:21 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

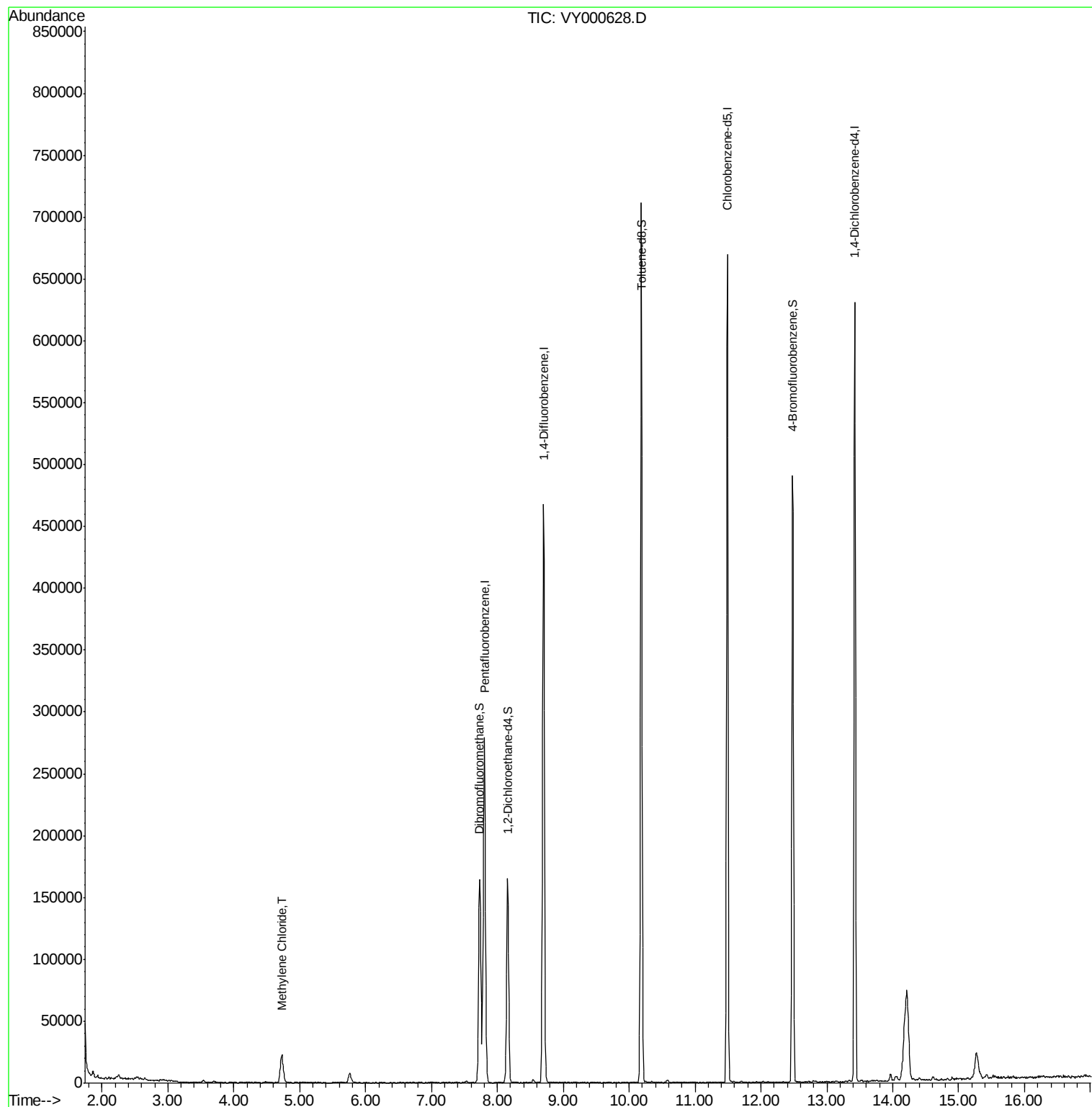
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 217842   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 388312   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 343729   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 146470   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 126471   | 56.10 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.20% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 113841   | 49.94 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.88%  |           |
| 50) Toluene-d8              | 10.18 | 98   | 451494   | 52.20 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.40% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 149903   | 45.52 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.04%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.73  | 84   | 16994    | 6.383 | ug/l    | Qvalue 94 |

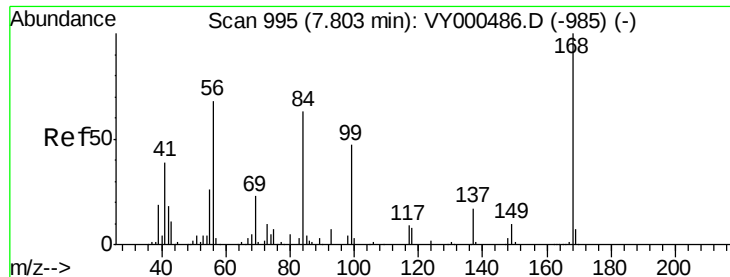
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000628.D

Acq: 08 Nov 2019 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

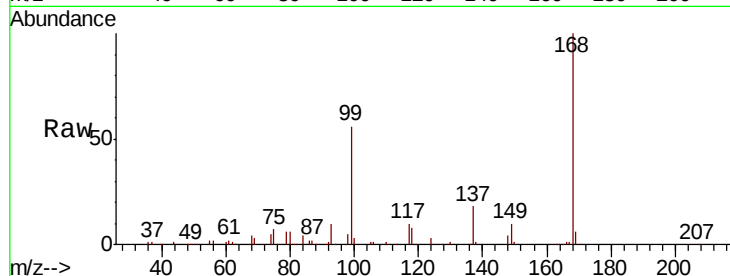
4-C

Tot Ion:168 Resp: 217842

Ion Ratio Lower Upper

168 100

99 55.8 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

100000

80000

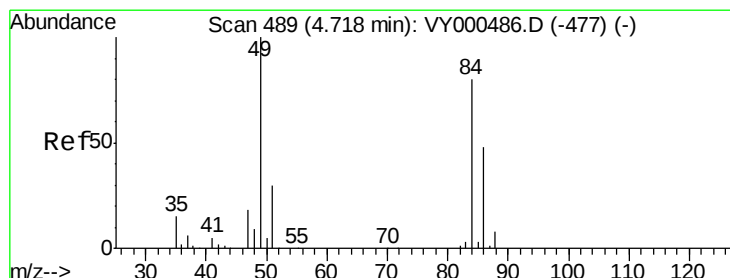
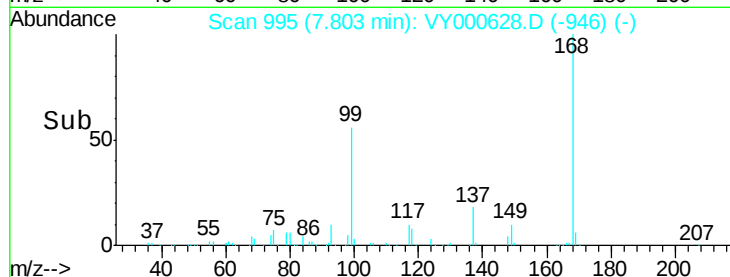
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 6.383 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000628.D

Acq: 08 Nov 2019 19:16

Tgt Ion: 84 Resp: 16994

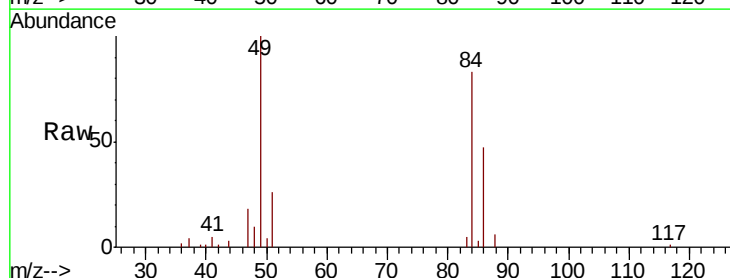
Ion Ratio Lower Upper

84 100

49 118.5 100.2 150.4

51 31.0 29.6 44.4

86 56.9 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)

Ion 48.90 (48.60 to 49.60): VY000486.D (-477) (-)

Ion 50.90 (50.60 to 51.60): VY000486.D (-477) (-)

Ion 85.90 (85.60 to 86.60): VY000486.D (-477) (-)

10000

8000

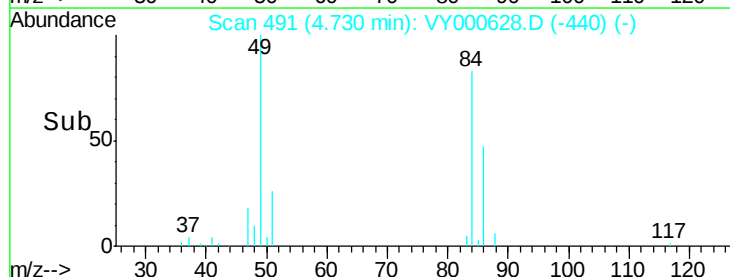
6000

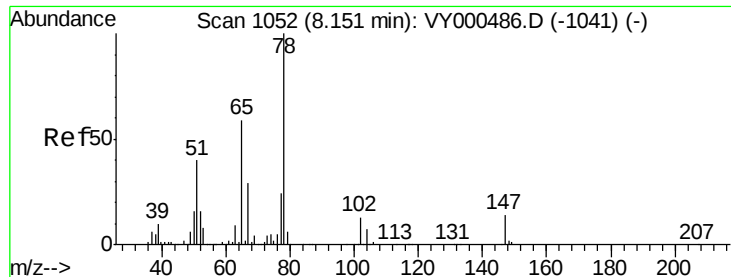
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.100 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000628.D

Acq: 08 Nov 2019 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

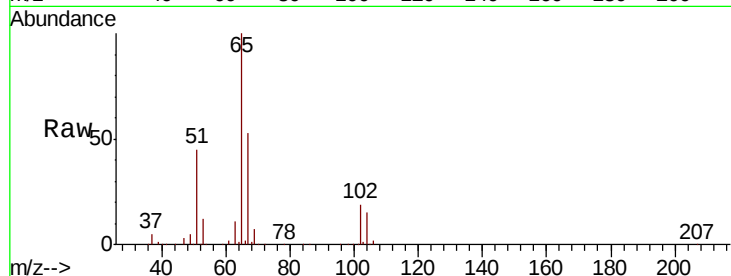
4-C

Tot Ion: 65 Resp: 126471

Ion Ratio Lower Upper

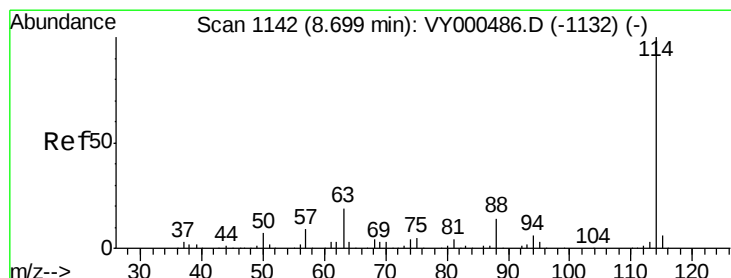
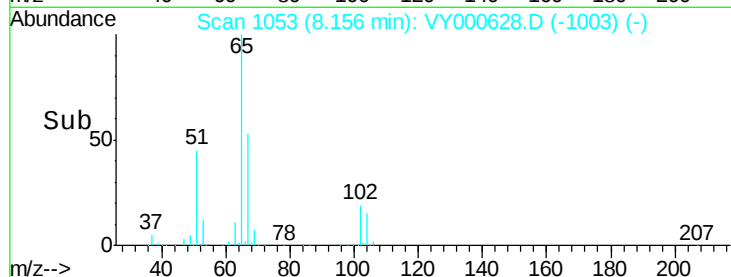
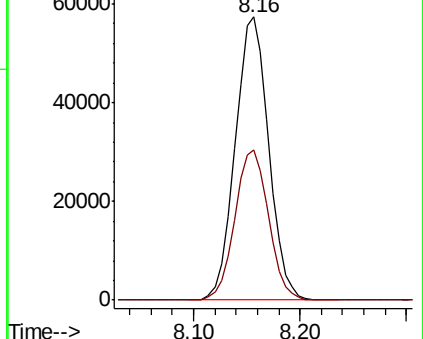
65 100

67 53.5 0.0 107.2



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. -0.00 min

Lab File: VY000628.D

Acq: 08 Nov 2019 19:16

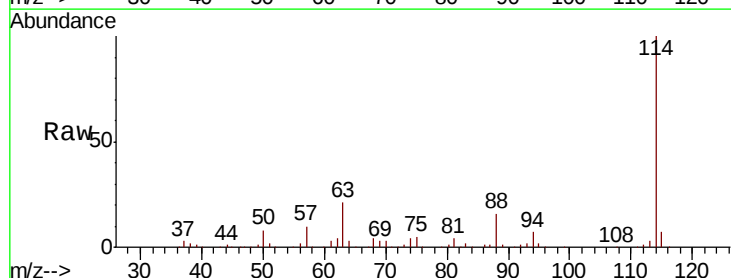
Tgt Ion: 114 Resp: 388312

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.0

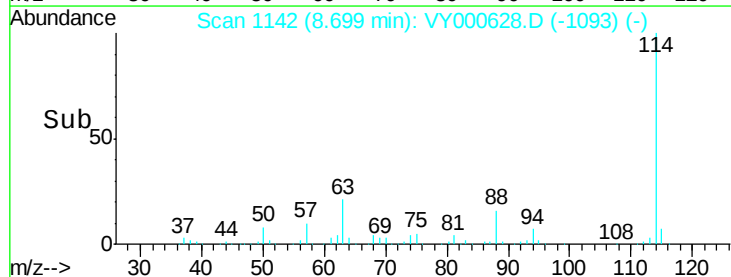
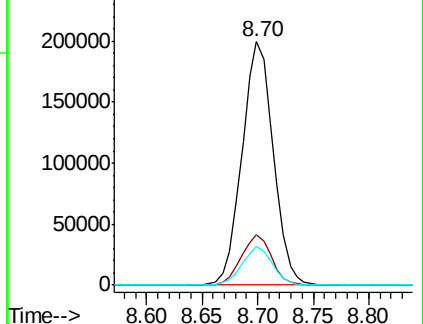
88 16.2 0.0 28.6

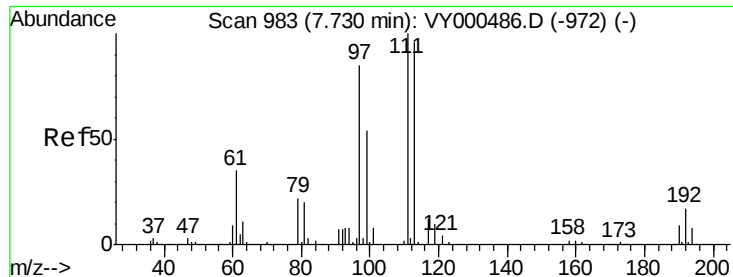


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

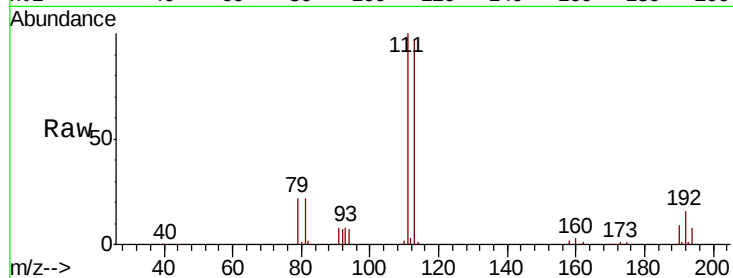




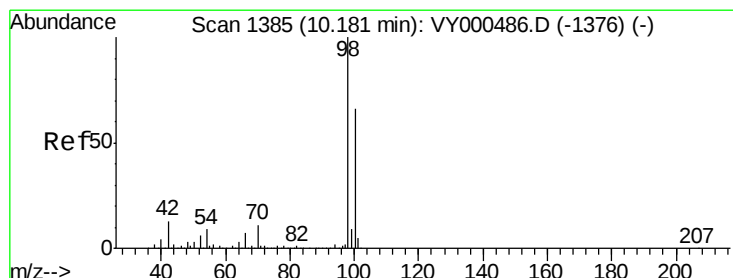
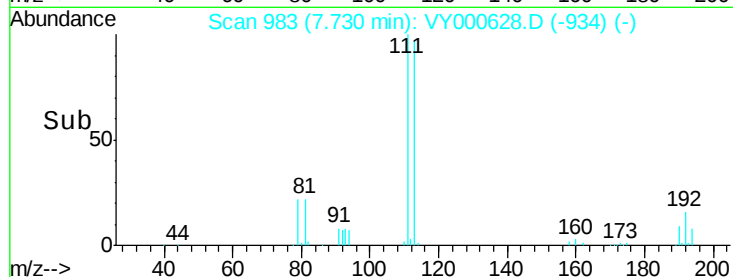
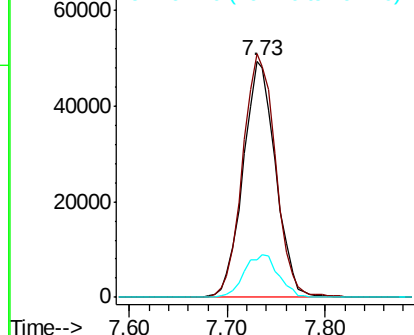
#35  
 Dibromofluoromethane  
 Concen: 49.938 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000628.D  
 Acq: 08 Nov 2019 19:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 4-C

Tot Ion:113 Resp: 113841  
 Ion Ratio Lower Upper  
 113 100  
 111 104.7 81.7 122.5  
 192 18.9 15.0 22.4

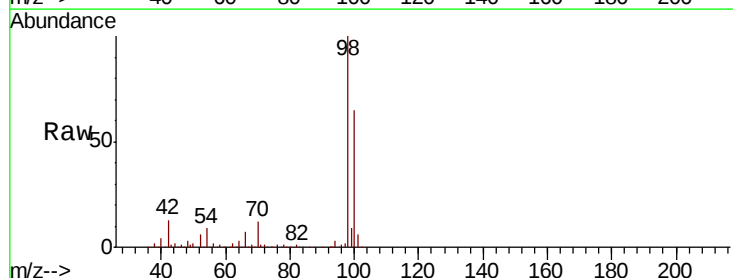


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

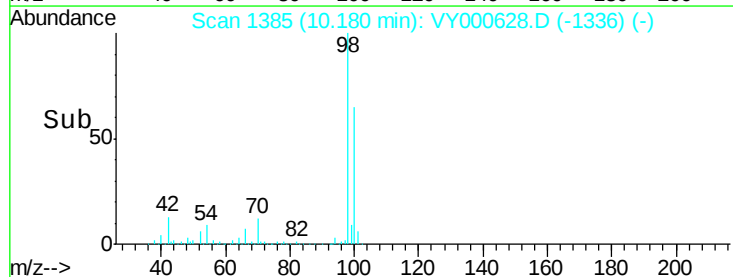
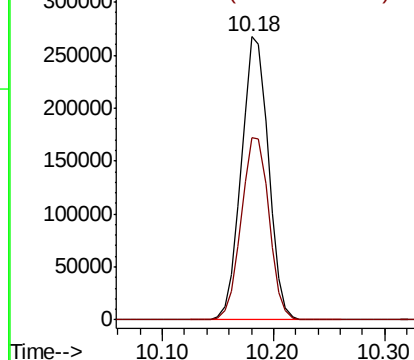


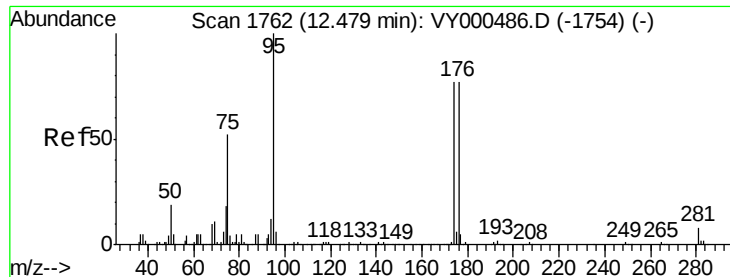
#50  
 Toluene-d8  
 Concen: 52.196 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: VY000628.D  
 Acq: 08 Nov 2019 19:16

Tgt Ion: 98 Resp: 451494  
 Ion Ratio Lower Upper  
 98 100  
 100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY

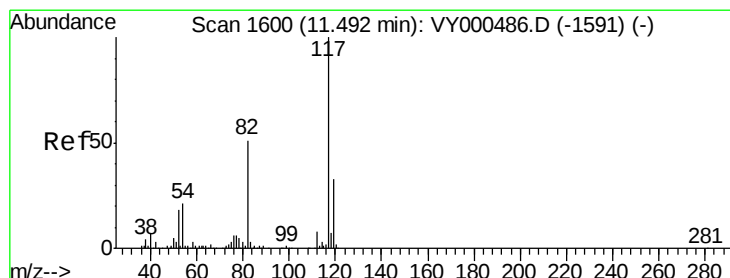
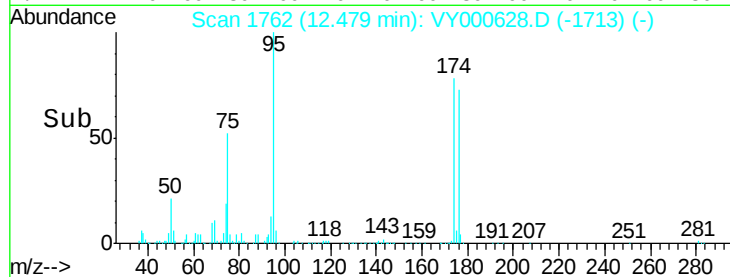
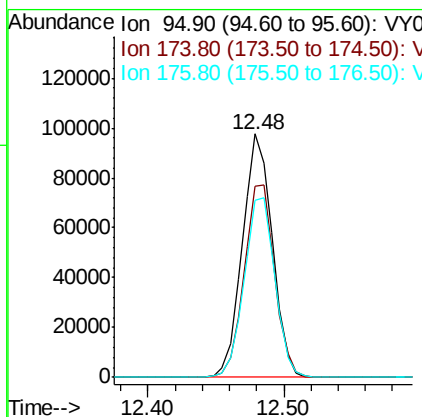
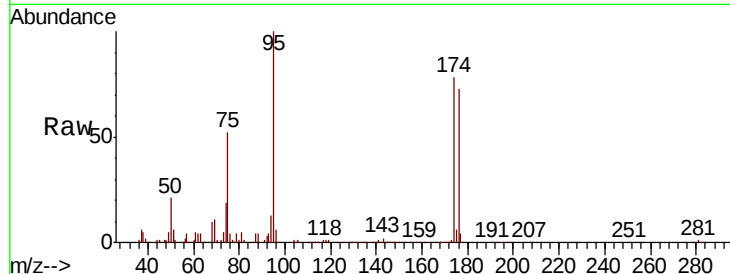




#62  
4-Bromofluorobenzene  
Concen: 45.521 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY000628.D  
Acq: 08 Nov 2019 19:16

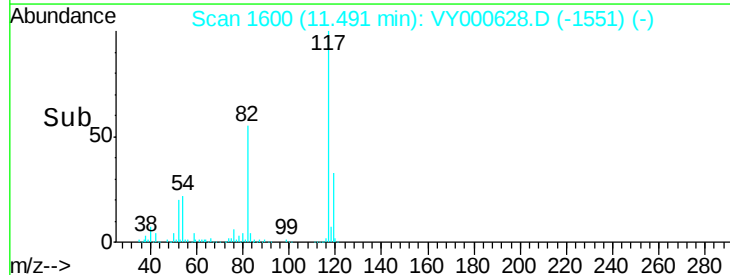
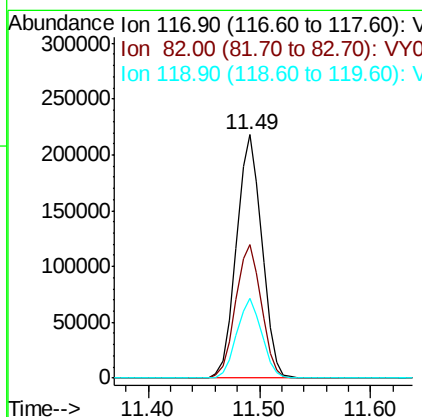
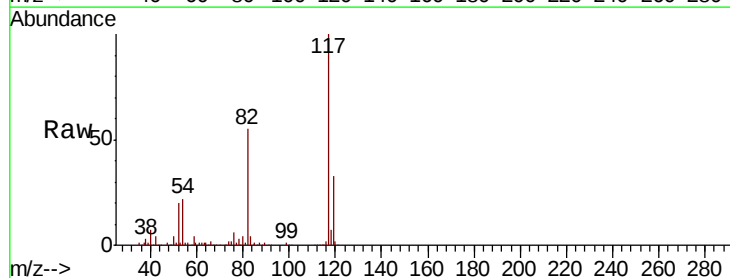
Instrument :  
MSVOA\_Y  
ClientSampleId :  
4-C

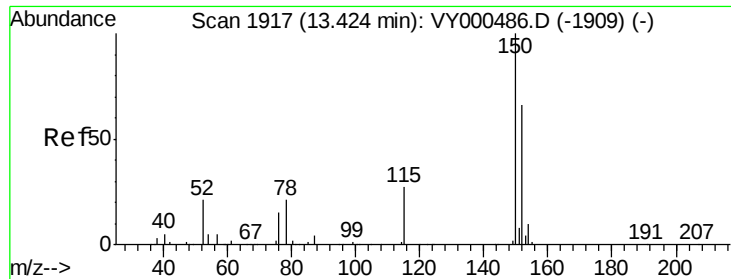
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 80.3  | 0.0   | 161.6 |
| 176     | 76.0  | 0.0   | 157.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000628.D  
Acq: 08 Nov 2019 19:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.6  | 40.8  | 61.2  |
| 119     | 32.8  | 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: VY000628.D

Acq: 08 Nov 2019 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

4-C

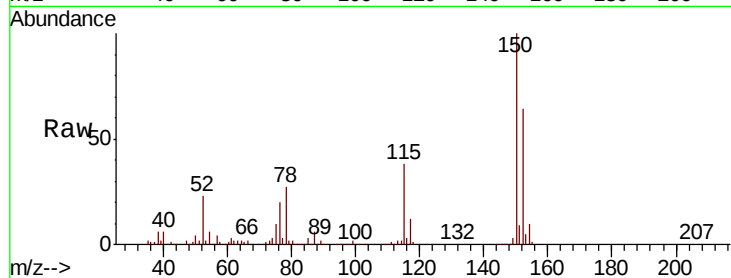
Tot Ion:152 Resp: 146470

Ion Ratio Lower Upper

152 100

115 59.5 29.1 87.4

150 159.1 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

