

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\  
 Data File : VY000609.D  
 Acq On : 08 Nov 2019 12:14  
 Operator : SY/MD  
 Sample : K5722-08  
 Misc : 6.03G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 6-A

Quant Time: Nov 11 05:46:46 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

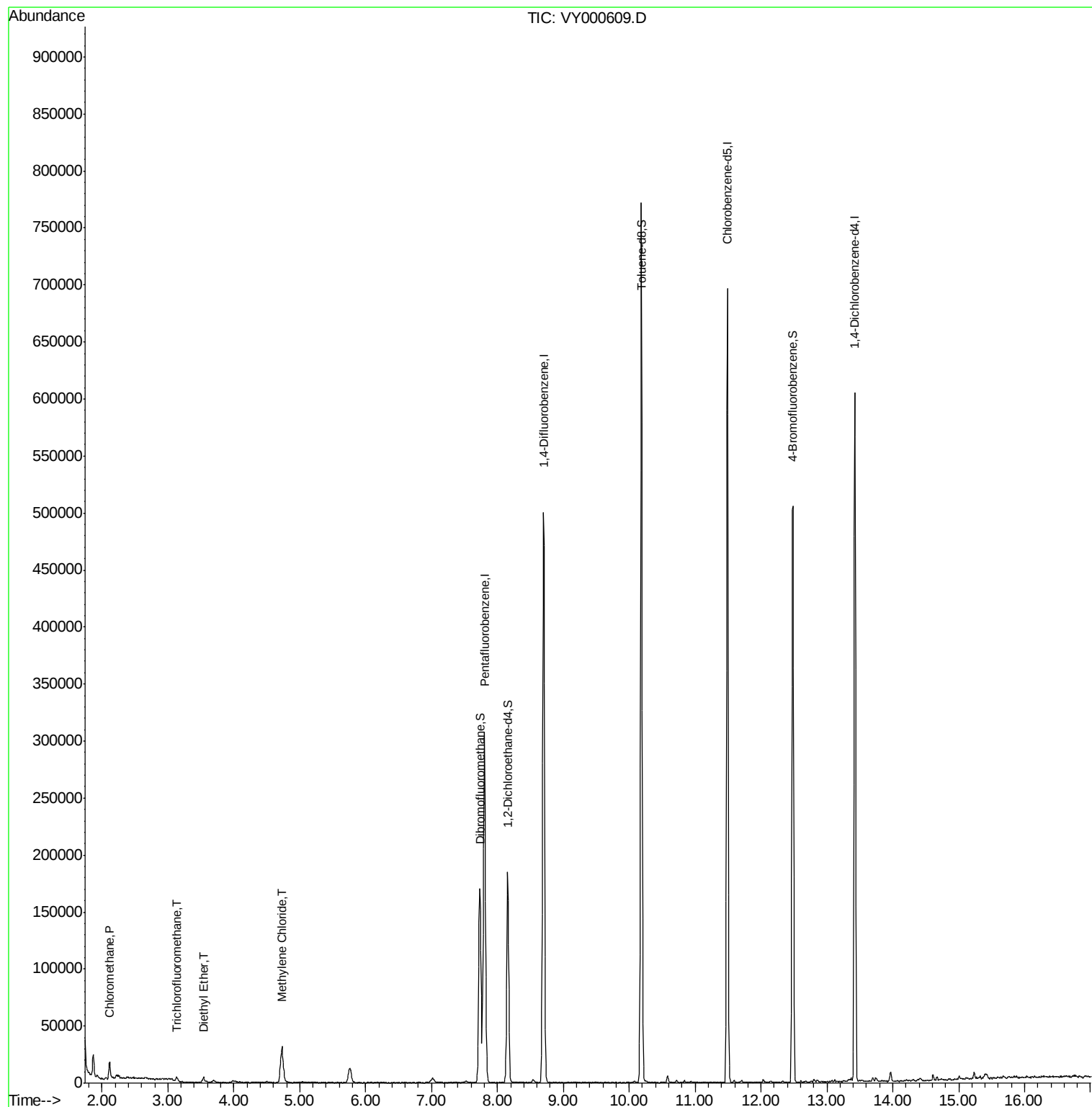
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 233240   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 413882   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 360448   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 145949   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 138461   | 57.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.72% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 123141   | 50.68 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.36% |          |
| 50) Toluene-d8              | 10.19 | 98   | 488967   | 53.04 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.08% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 157029   | 44.74 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.48%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 2.11  | 50   | 11980    | 3.788 | ug/l    | 97       |
| 7) Trichlorofluoromethane   | 3.13  | 101  | 4124     | 1.040 | ug/l    | 96       |
| 8) Diethyl Ether            | 3.54  | 74   | 2417     | 1.715 | ug/l    | 85       |
| 20) Methylene Chloride      | 4.73  | 84   | 21093    | 7.400 | ug/l    | 94       |

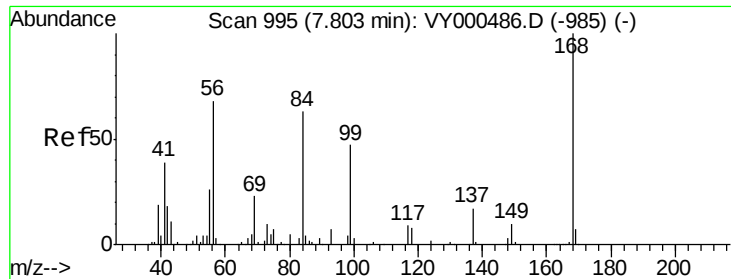
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110819\  
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MSVOA\_Y  
ClientSampleId :  
6-A

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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: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA\_Y

ClientSampleId :

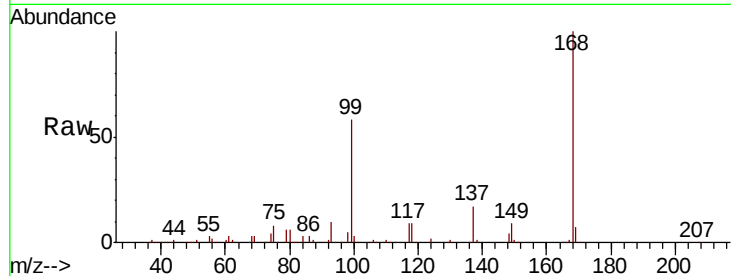
6-A

Tot Ion:168 Resp: 233240

Ion Ratio Lower Upper

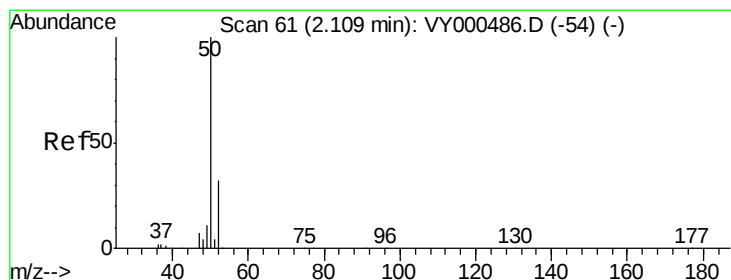
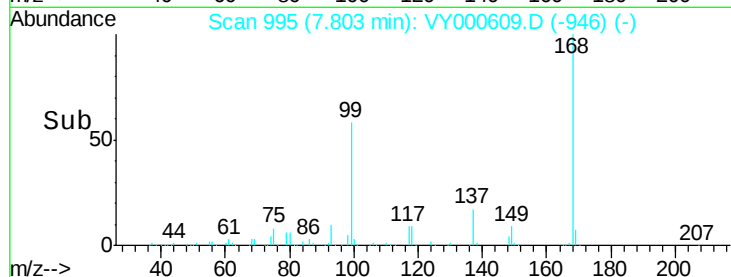
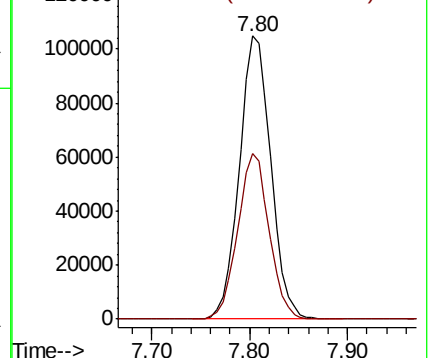
168 100

99 58.5 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) (-)



#3

Chloromethane

Concen: 3.788 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000609.D

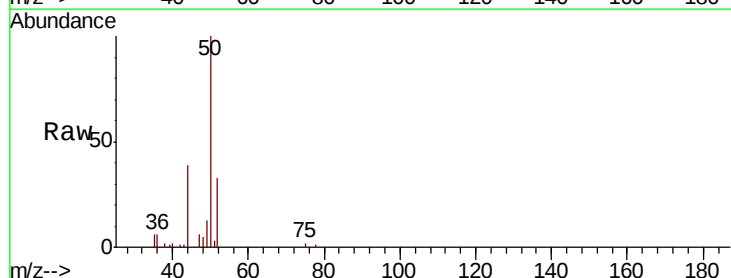
Acq: 08 Nov 2019 12:14

Tgt Ion: 50 Resp: 11980

Ion Ratio Lower Upper

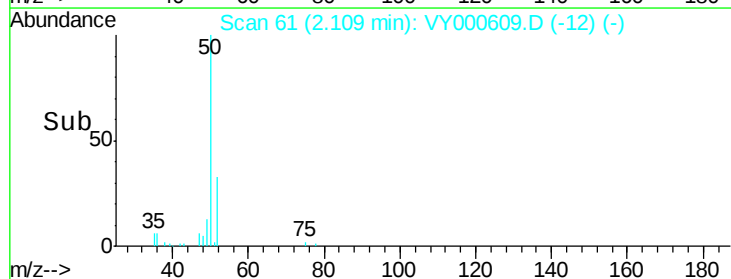
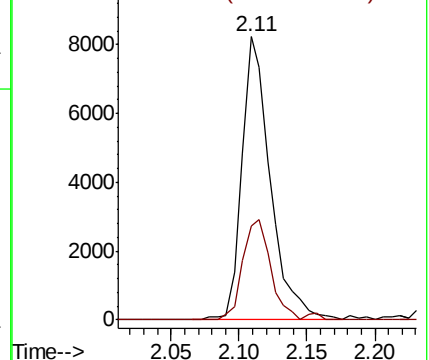
50 100

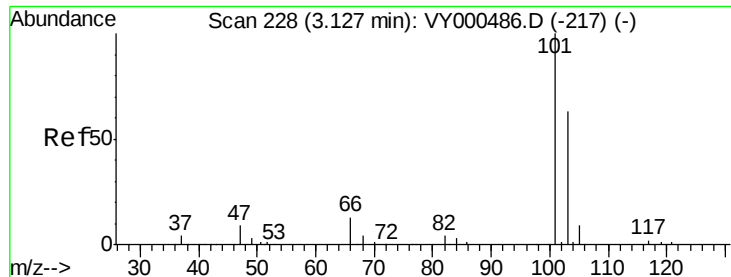
52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)



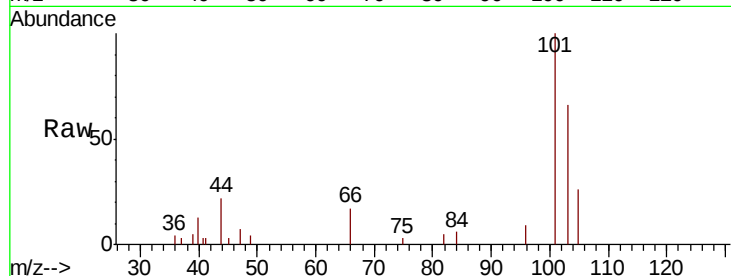


#7

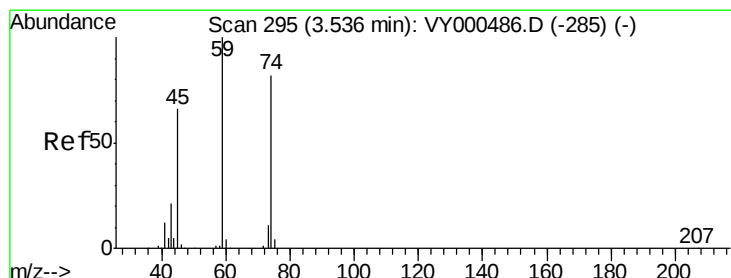
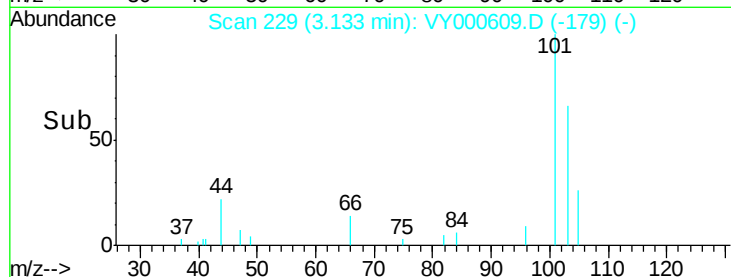
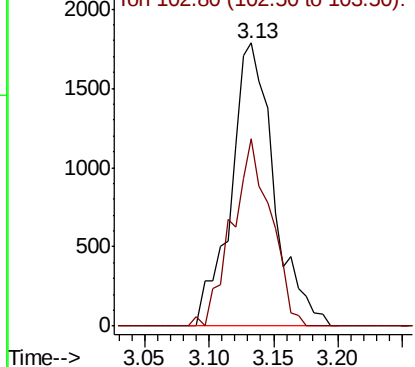
Trichlorofluoromethane  
Concen: 1.040 ug/l  
RT: 3.13 min Scan# 229  
Delta R.T. 0.01 min  
Lab File: VY000609.D  
Acq: 08 Nov 2019 12:14

Instrument :  
MSVOA\_Y  
ClientSampled :  
6-A

Tot Ion:101 Resp: 4124  
Ion Ratio Lower Upper  
101 100  
103 66.3 50.5 75.7



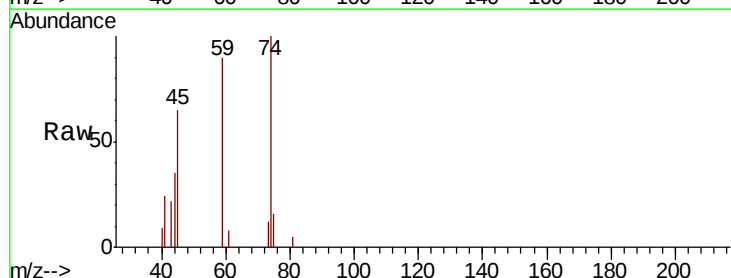
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



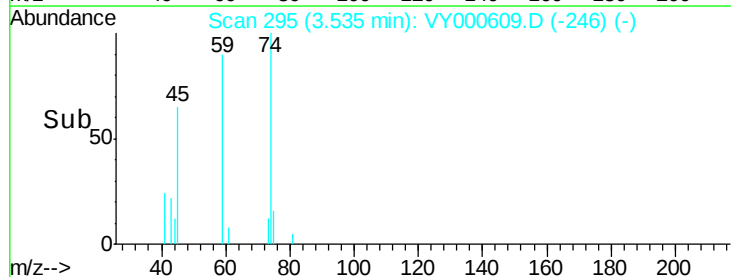
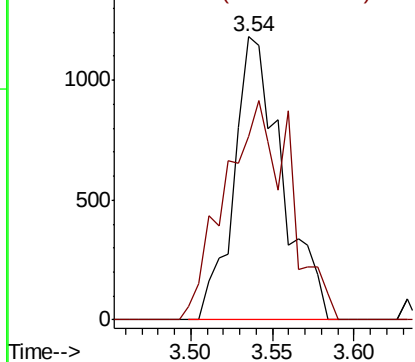
#8

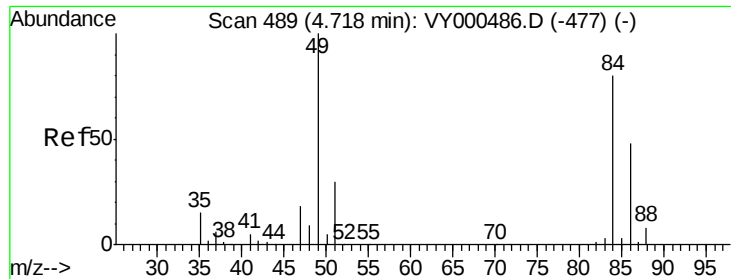
Diethyl Ether  
Concen: 1.715 ug/l  
RT: 3.54 min Scan# 295  
Delta R.T. -0.00 min  
Lab File: VY000609.D  
Acq: 08 Nov 2019 12:14

Tgt Ion: 74 Resp: 2417  
Ion Ratio Lower Upper  
74 100  
45 105.3 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY0  
Ion 45.00 (44.70 to 45.70): VY0

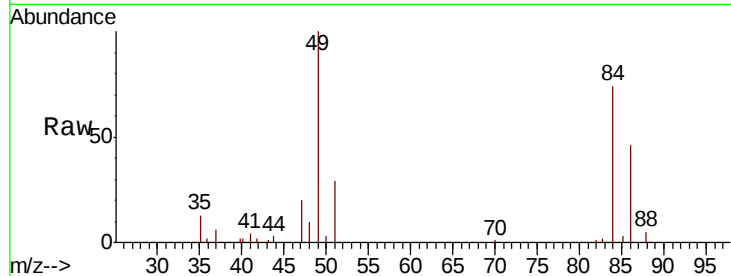




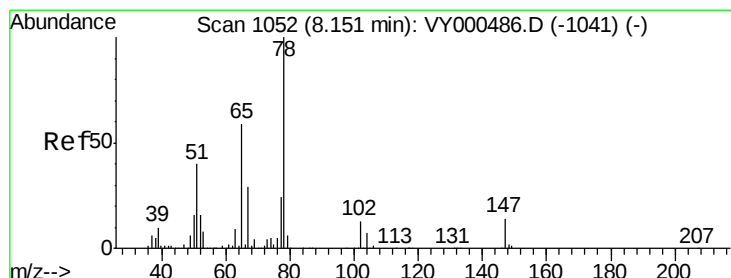
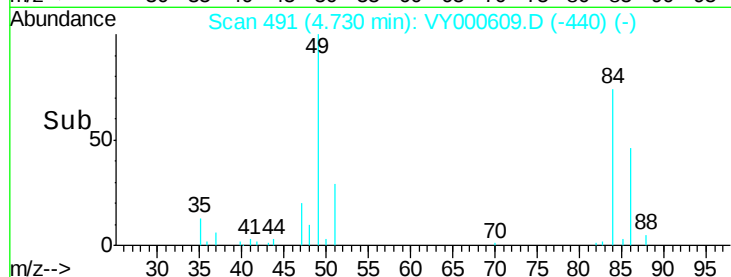
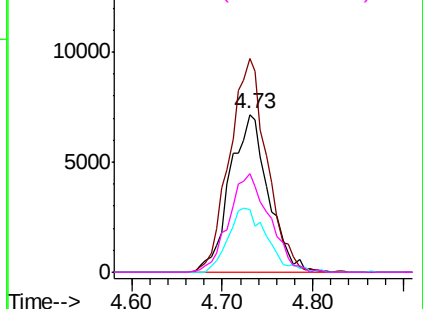
#20  
Methylene Chloride  
Concen: 7.400 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY000609.D  
Acq: 08 Nov 2019 12:14

Instrument :  
MSVOA\_Y  
ClientSampled :  
6-A

Tot Ion: 84 Resp: 21093  
Ion Ratio Lower Upper  
84 100  
49 135.2 100.2 150.4  
51 39.7 29.6 44.4  
86 62.5 48.3 72.5

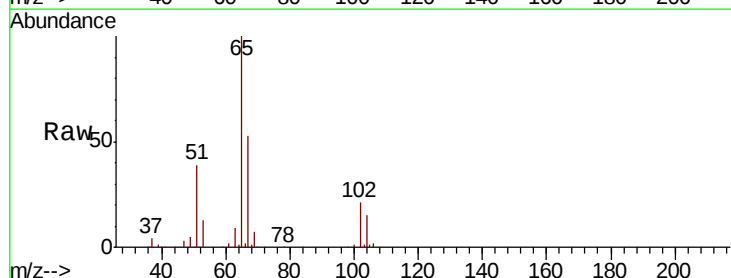


Abundance Ion 83.90 (83.60 to 84.60): VY0  
Ion 48.90 (48.60 to 49.60): VY0  
Ion 50.90 (50.60 to 51.60): VY0  
Ion 85.90 (85.60 to 86.60): VY0

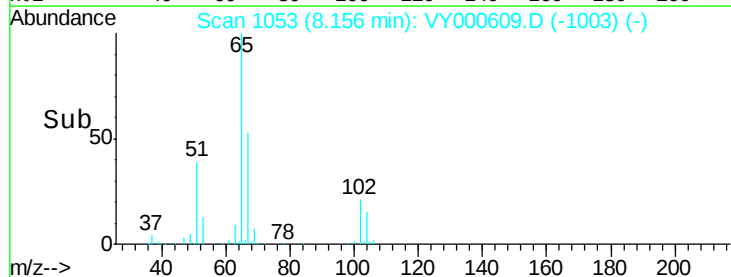
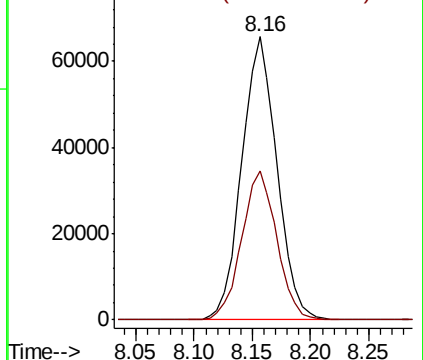


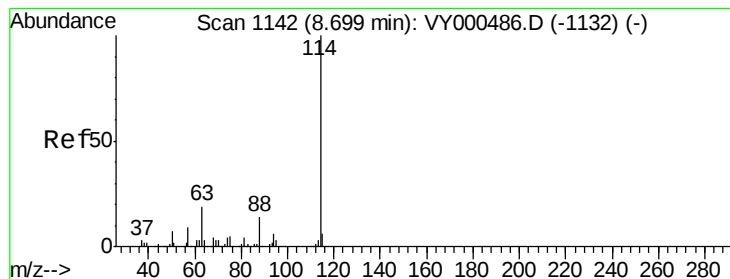
#33  
1,2-Dichloroethane-d4  
Concen: 57.364 ug/l  
RT: 8.16 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VY000609.D  
Acq: 08 Nov 2019 12:14

Tgt Ion: 65 Resp: 138461  
Ion Ratio Lower Upper  
65 100  
67 52.3 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: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA\_Y

ClientSampleId :

6-A

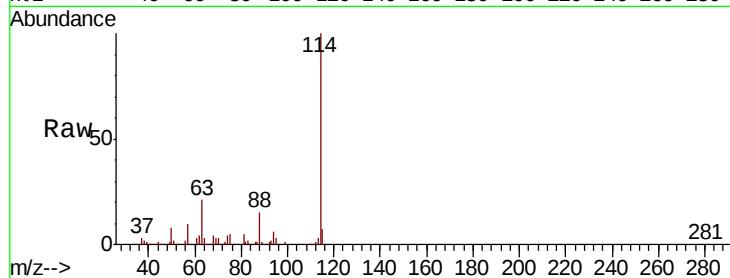
Tot Ion:114 Resp: 413882

Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.0

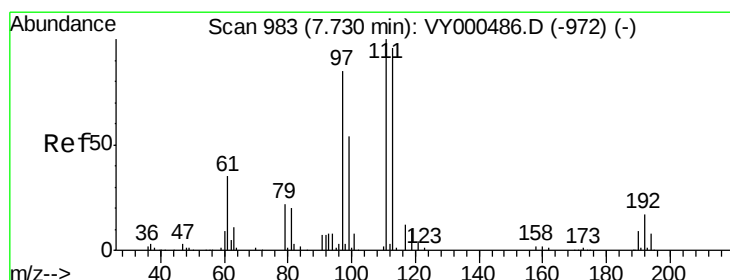
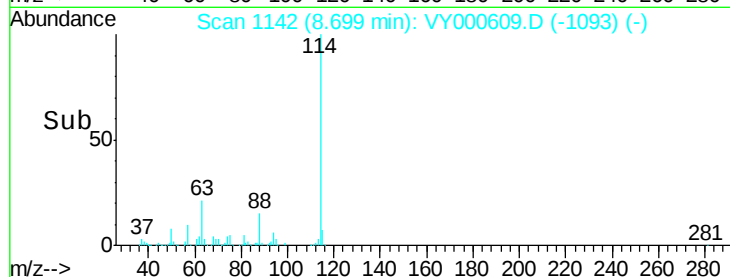
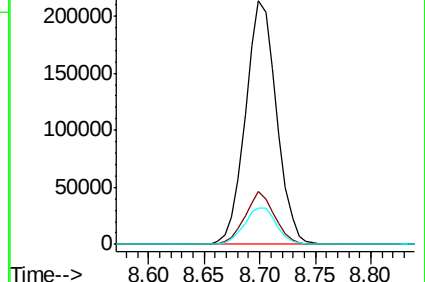
88 14.9 0.0 28.6



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: 50.680 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

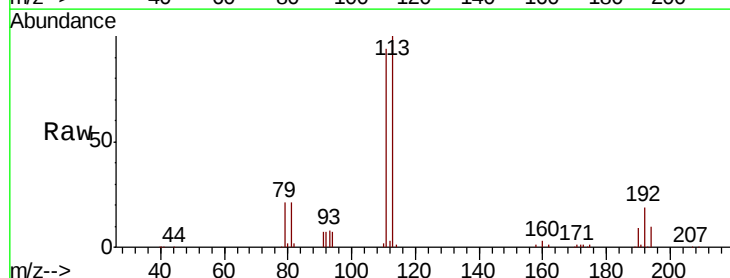
Tgt Ion:113 Resp: 123141

Ion Ratio Lower Upper

113 100

111 101.9 81.7 122.5

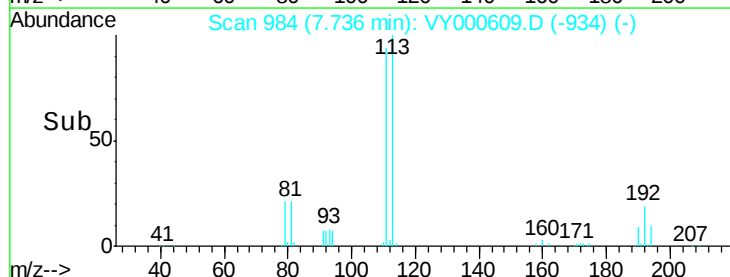
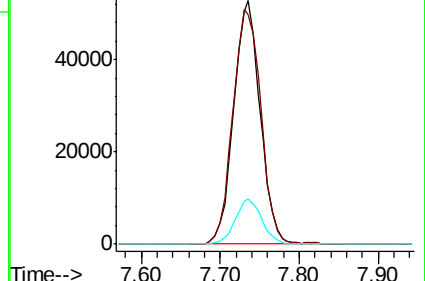
192 18.5 15.0 22.4

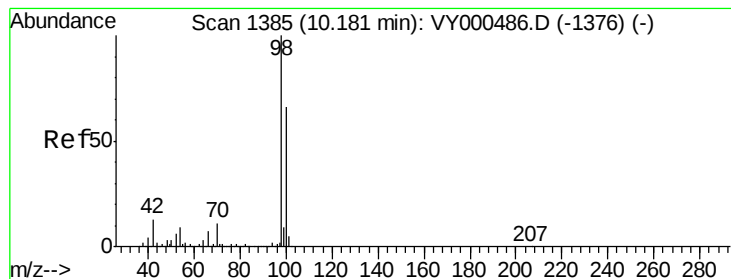


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.035 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA\_Y

ClientSampleId :

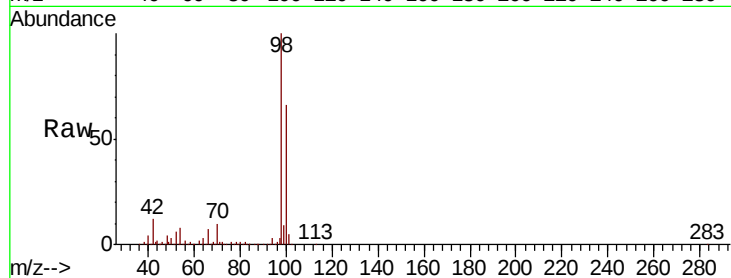
6-A

Tot Ion: 98 Resp: 488967

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

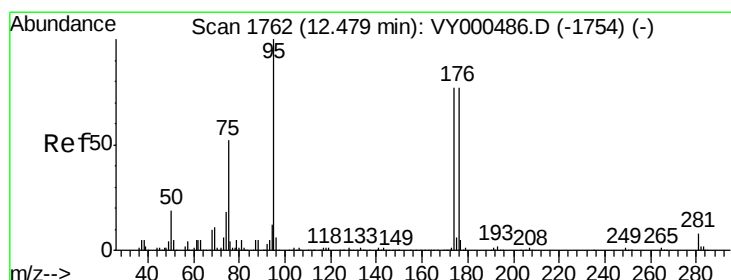
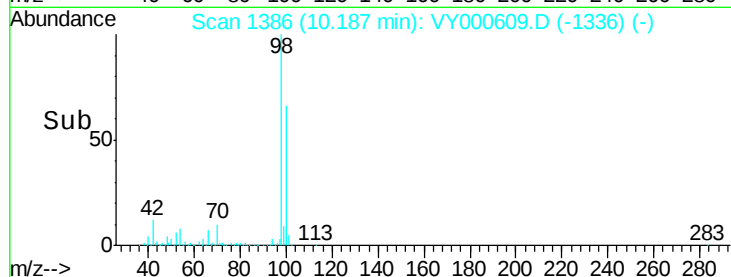
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.739 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

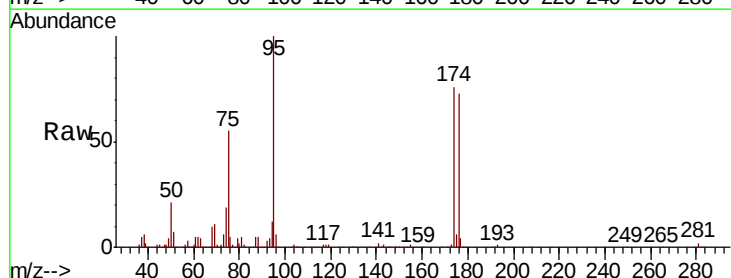
Tgt Ion: 95 Resp: 157029

Ion Ratio Lower Upper

95 100

174 79.7 0.0 161.6

176 75.9 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

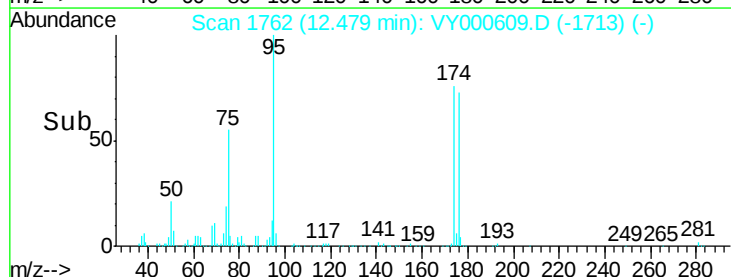
12.48

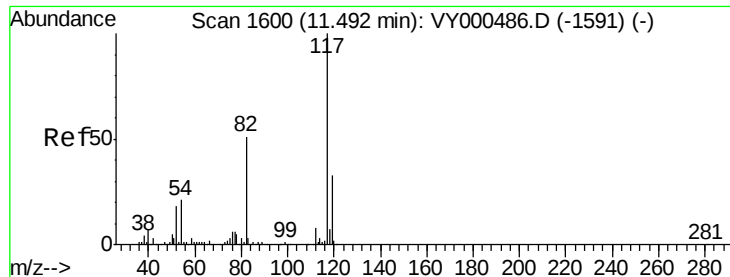
100000

50000

0

Time-->

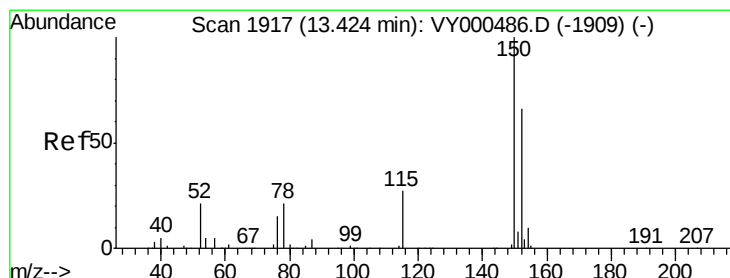
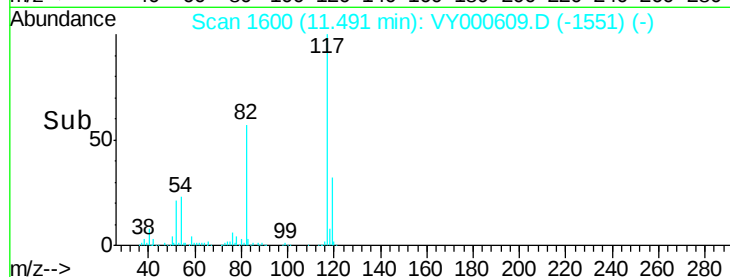
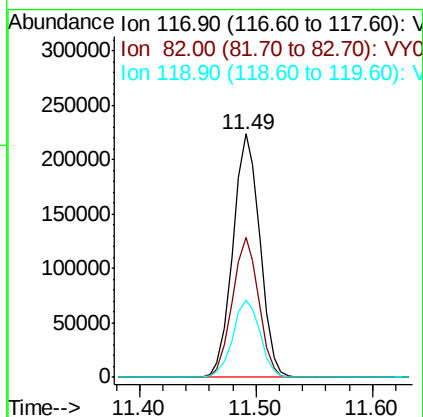
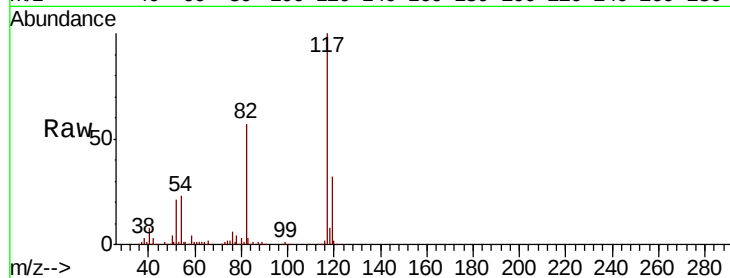




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000609.D  
Acq: 08 Nov 2019 12:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
6-A

Tot Ion:117 Resp: 360448  
Ion Ratio Lower Upper  
117 100  
82 57.5 40.8 61.2  
119 31.6 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. 0.01 min  
Lab File: VY000609.D  
Acq: 08 Nov 2019 12:14

Tgt Ion:152 Resp: 145949  
Ion Ratio Lower Upper  
152 100  
115 60.9 29.1 87.4  
150 159.5 0.0 348.8

