

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031120\  
 Data File : VY001941.D  
 Acq On : 11 Mar 2020 14:31  
 Operator : SY/MD  
 Sample : L1893-01  
 Misc : 5.21G/5ML/MSVOA Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-1(0-1)

Quant Time: Mar 12 09:27:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

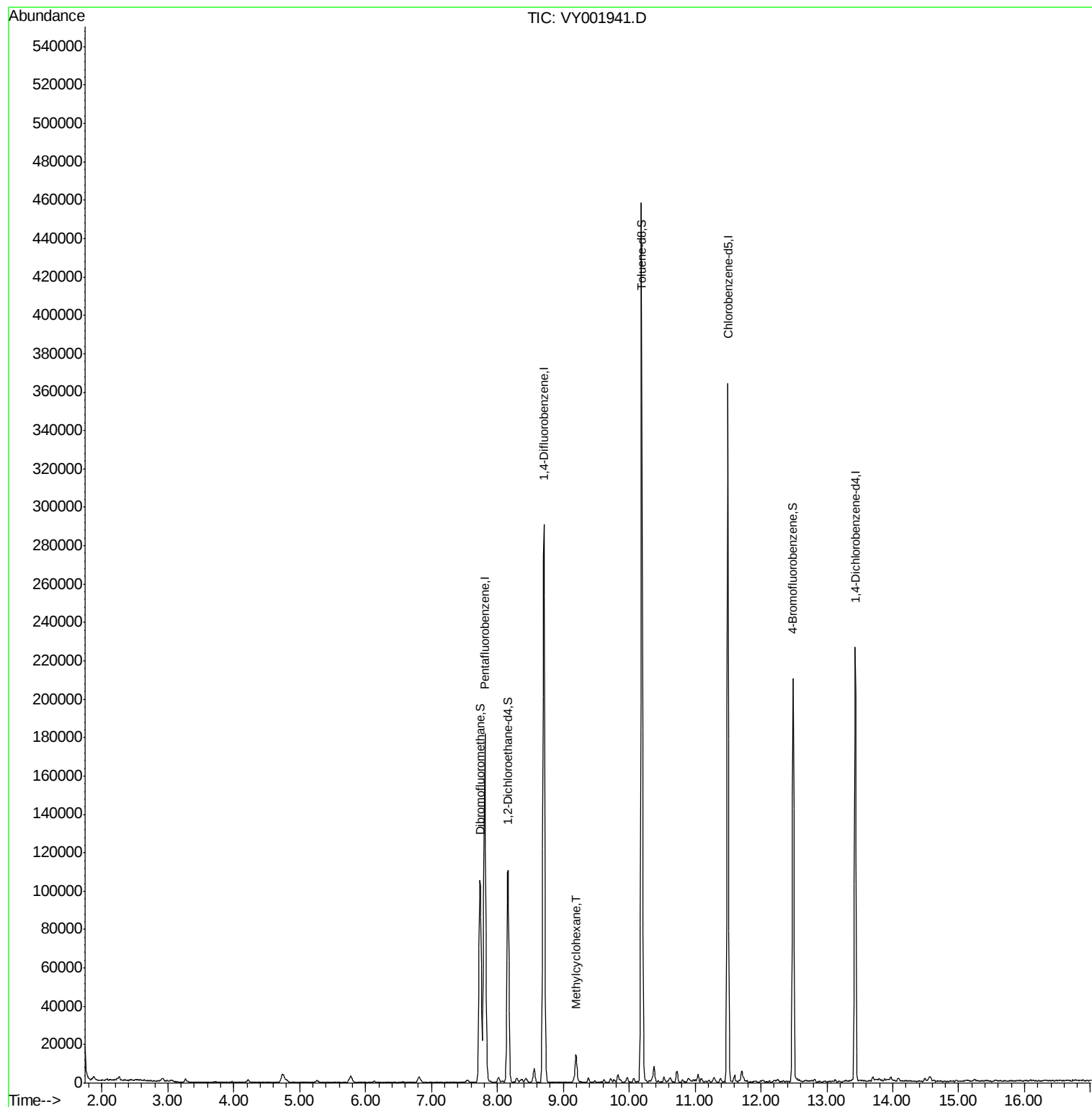
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 134399   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 247702   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 190390   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 55519    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 82917    | 57.79 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.58% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 76611    | 56.64 | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.28% |           |
| 50) Toluene-d8              | 10.19 | 98   | 298558   | 52.35 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.70% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 68850    | 34.72 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 69.44%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 39) Methylcyclohexane       | 9.20  | 83   | 5993     | 1.896 | ug/l    | Qvalue 96 |

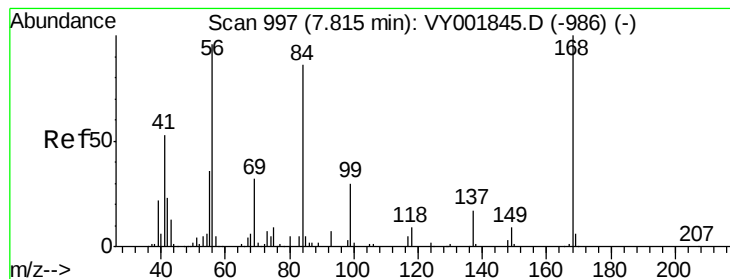
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

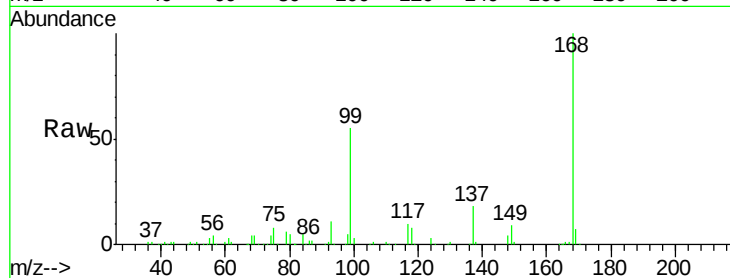
TP-1(0-1)

Tot Ion:168 Resp: 134399

Ion Ratio Lower Upper

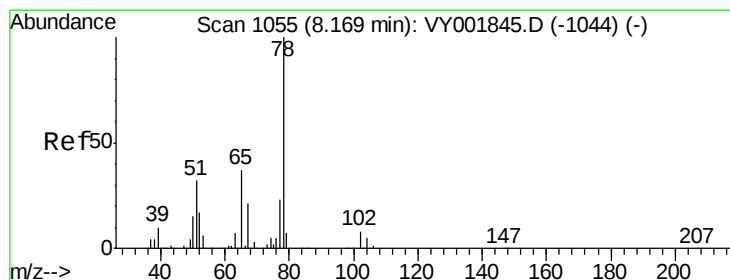
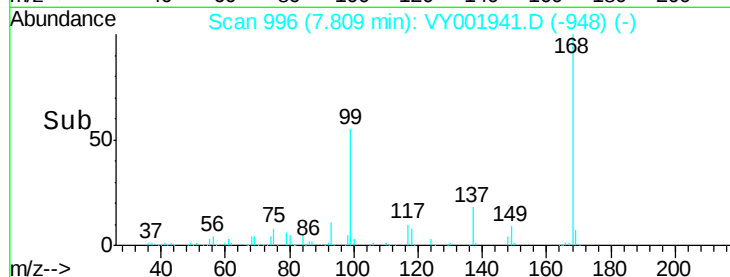
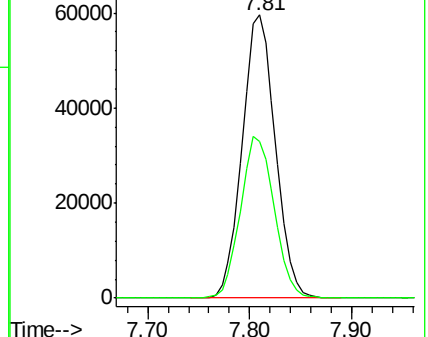
168 100

99 55.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.790 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001941.D

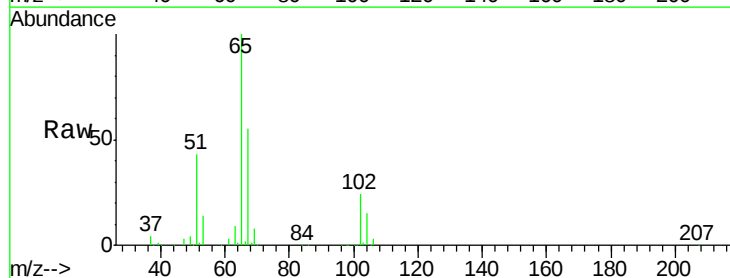
Acq: 11 Mar 2020 14:31

Tgt Ion: 65 Resp: 82917

Ion Ratio Lower Upper

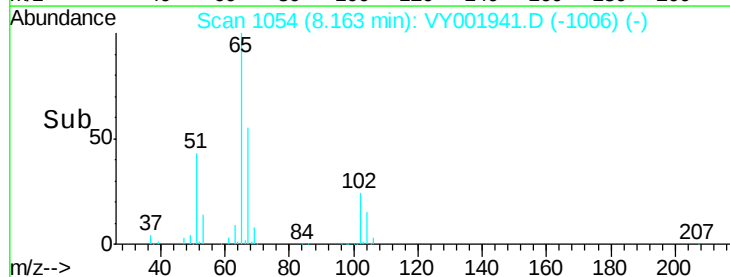
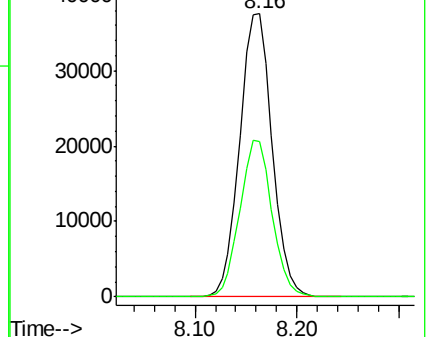
65 100

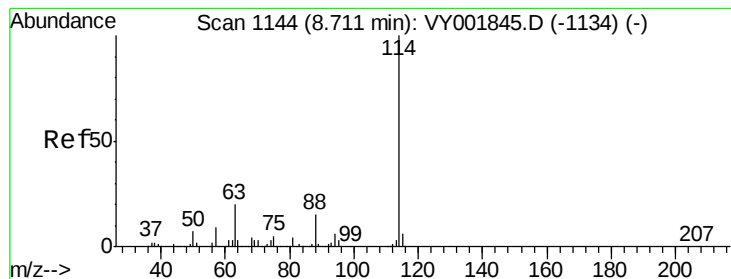
67 54.9 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1(0-1)

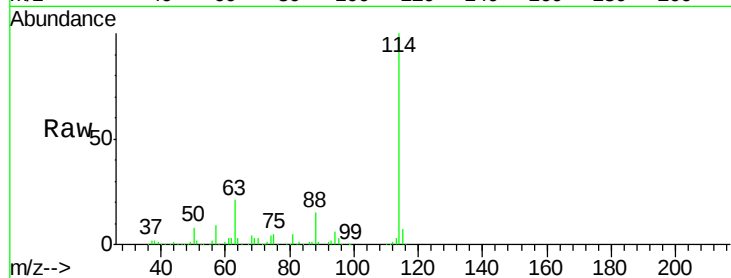
Tot Ion:114 Resp: 247702

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

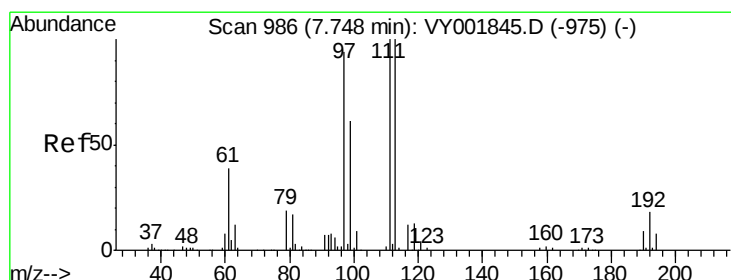
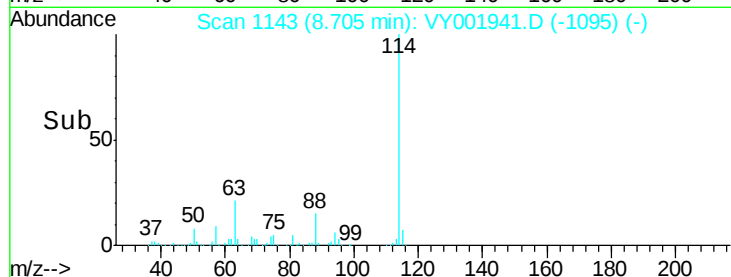
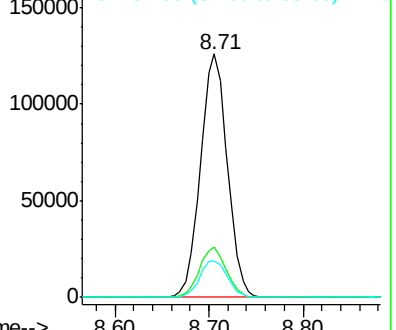
88 15.1 0.0 30.4



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: 56.641 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

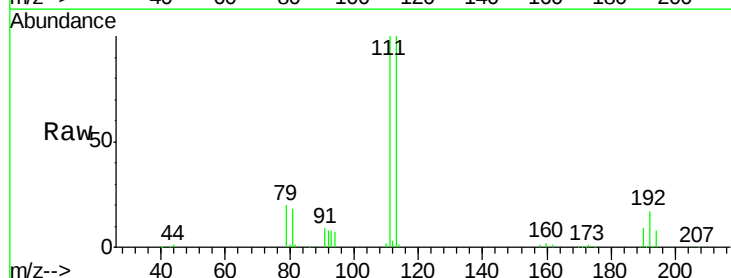
Tgt Ion:113 Resp: 76611

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

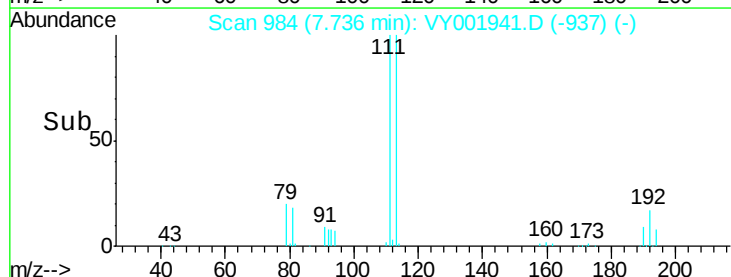
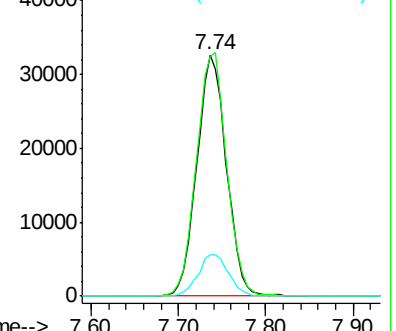
192 17.8 14.2 21.2

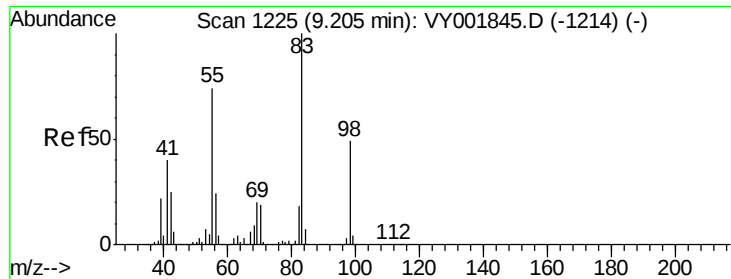


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

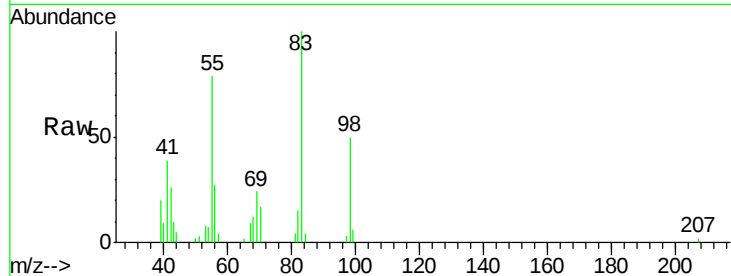




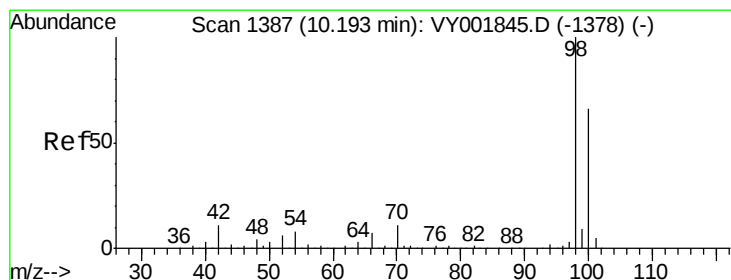
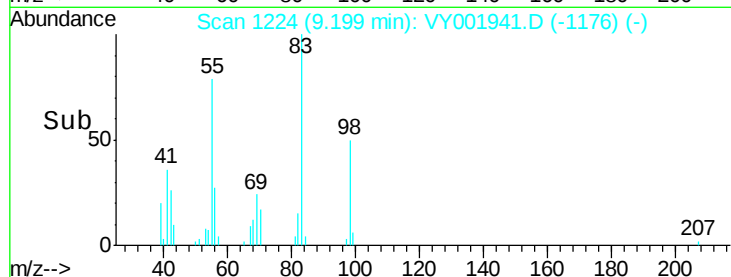
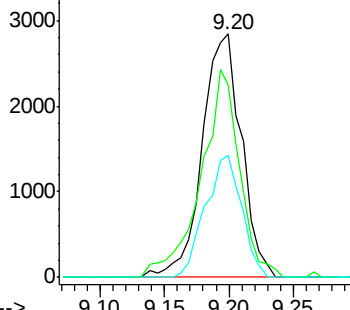
#39  
Methvlcvclohexane  
Concen: 1.896 ug/l  
RT: 9.20 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: VY001941.D  
Acq: 11 Mar 2020 14:31

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-1(0-1)

Tot Ion: 83 Resp: 5993  
Ion Ratio Lower Upper  
83 100  
55 79.0 59.4 89.0  
98 50.2 38.9 58.3

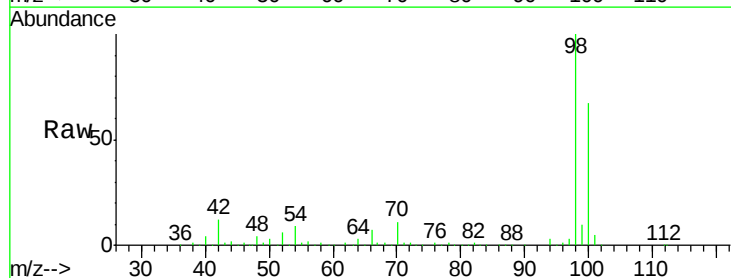


Abundance Ion 83.00 (82.70 to 83.70): VY0  
Ion 55.00 (54.70 to 55.70): VY0  
Ion 98.00 (97.70 to 98.70): VY0

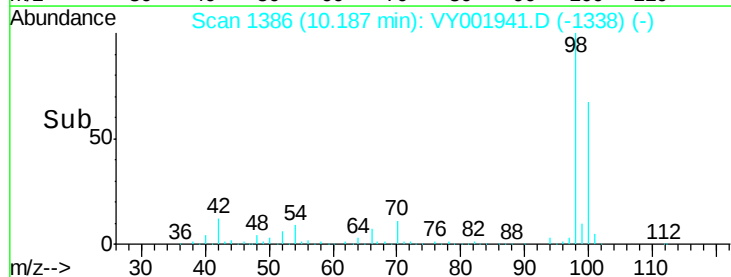
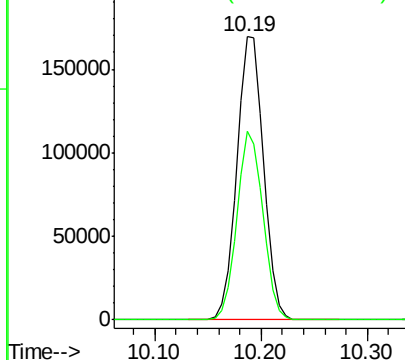


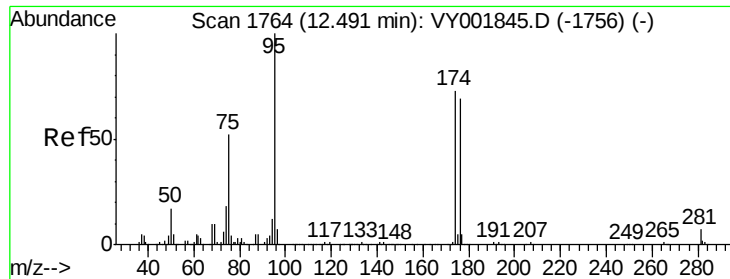
#50  
Toluene-d8  
Concen: 52.346 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.01 min  
Lab File: VY001941.D  
Acq: 11 Mar 2020 14:31

Tgt Ion: 98 Resp: 298558  
Ion Ratio Lower Upper  
98 100  
100 64.8 53.0 79.4



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





#62

4-Bromofluorobenzene

Concen: 34.717 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1(0-1)

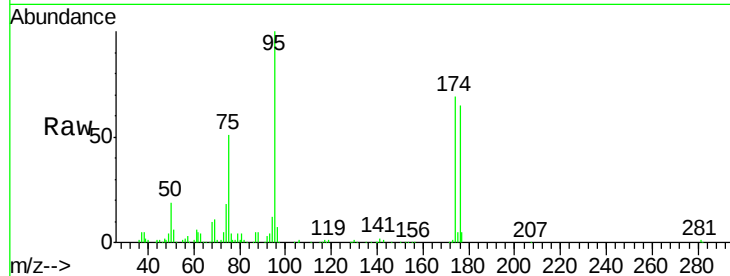
Tot Ion: 95 Resp: 68850

Ion Ratio Lower Upper

95 100

174 74.0 0.0 145.0

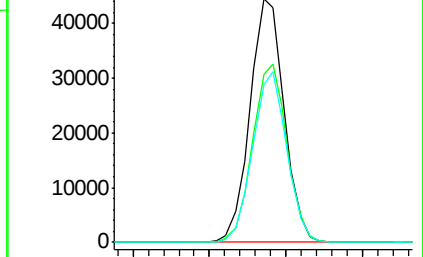
176 70.2 0.0 137.4



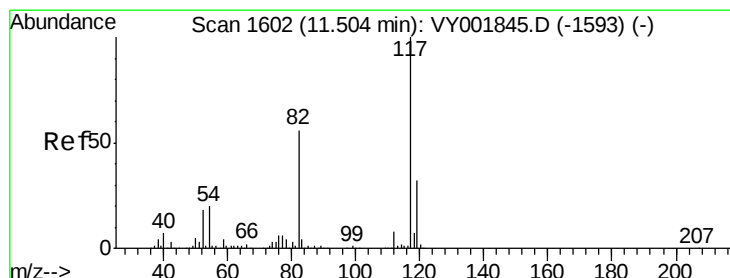
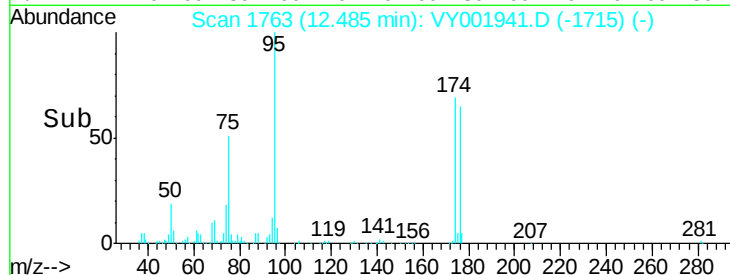
Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

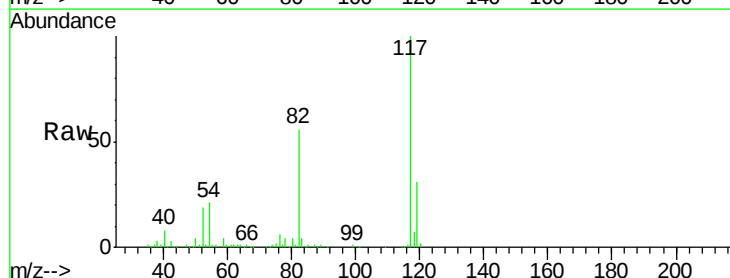
Tgt Ion: 117 Resp: 190390

Ion Ratio Lower Upper

117 100

82 56.0 44.5 66.7

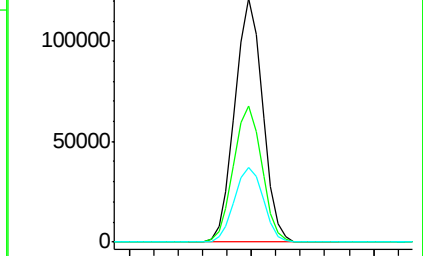
119 30.8 25.7 38.5



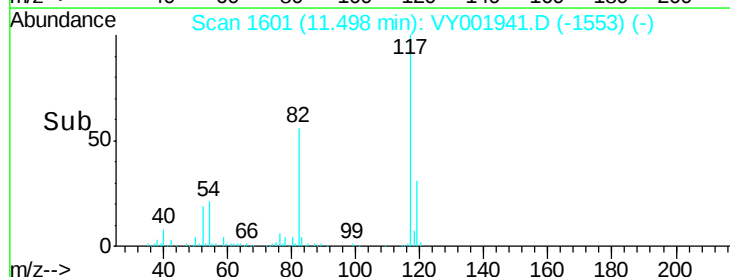
Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

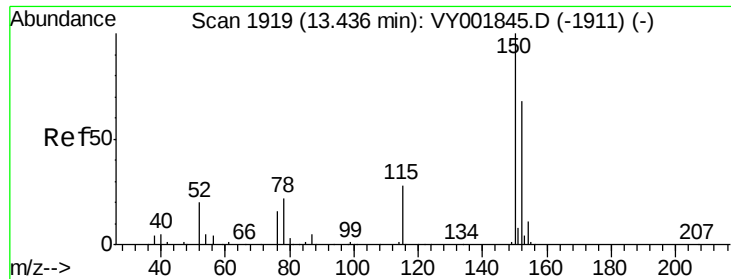
Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)



Time--> 11.40 11.50 11.60





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1(0-1)

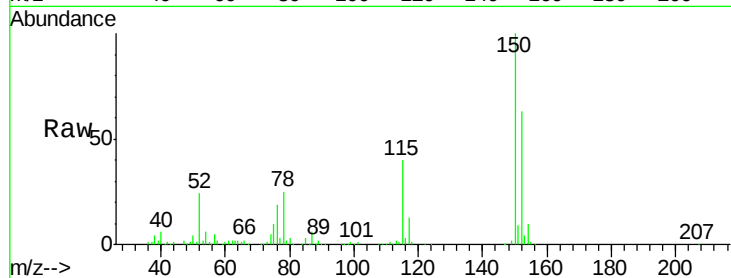
Tot Ion:152 Resp: 55519

Ion Ratio Lower Upper

152 100

115 61.0 29.9 89.7

150 156.2 0.0 340.6



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

