

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121219\  
 Data File : VY000932.D  
 Acq On : 12 Dec 2019 15:49  
 Operator : SY/MD  
 Sample : K6268-01  
 Misc : 8.45G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 33-19-12-11-01E

Quant Time: Dec 13 07:17:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

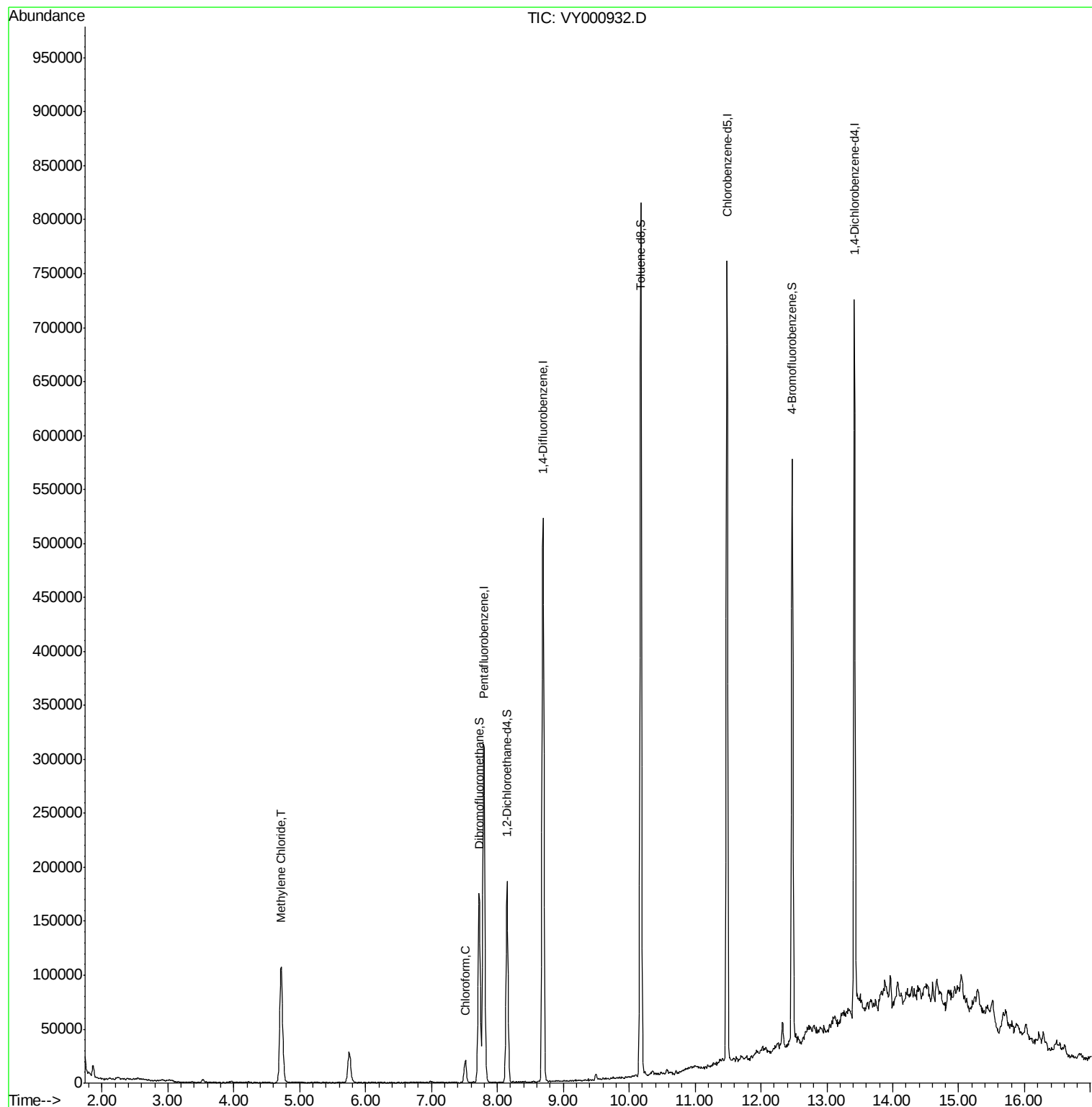
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.79  | 168  | 240575   | 50.00  | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 446731   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 391258   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 161050   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 137068   | 53.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.24% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 126883   | 48.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.46%  |          |
| 50) Toluene-d8              | 10.17 | 98   | 531649   | 51.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.16% |          |
| 62) 4-Bromofluorobenzene    | 12.47 | 95   | 171886   | 43.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.94%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.72  | 84   | 81221    | 26.276 | ug/l    | 98       |
| 30) Chloroform              | 7.52  | 83   | 19231    | 3.742  | ug/l    | 94       |

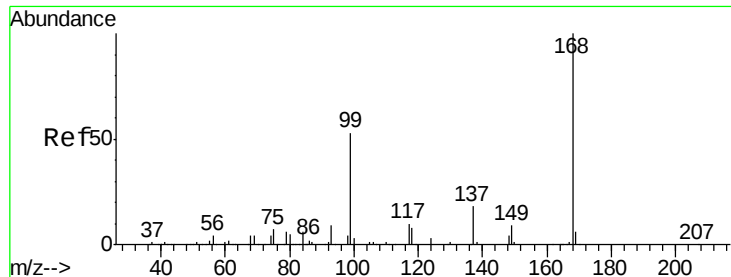
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

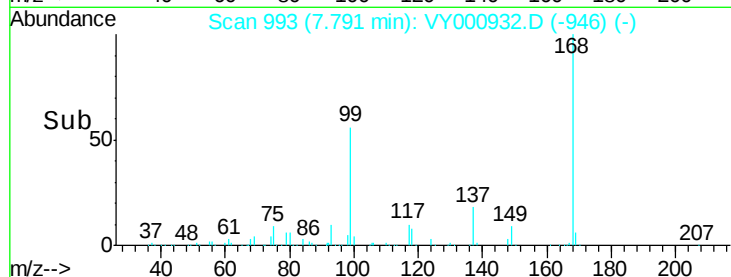
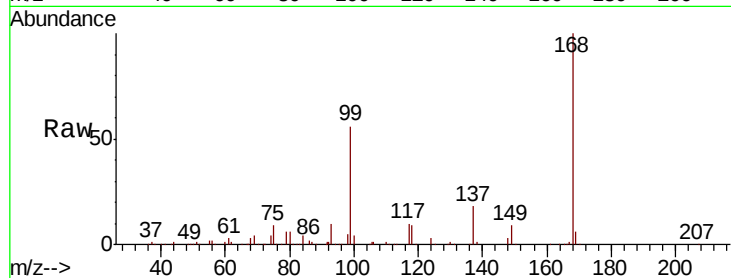
33-19-12-11-01E

Tot Ion:168 Resp: 240575

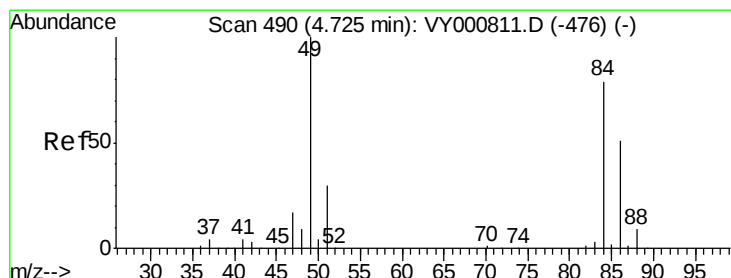
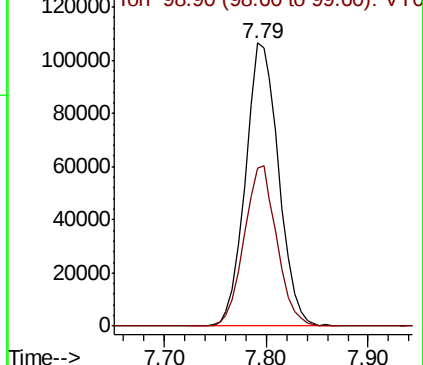
Ion Ratio Lower Upper

168 100

99 55.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000932.D (-946) (-)



#20

Methylene Chloride

Concen: 26.276 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Tgt Ion: 84 Resp: 81221

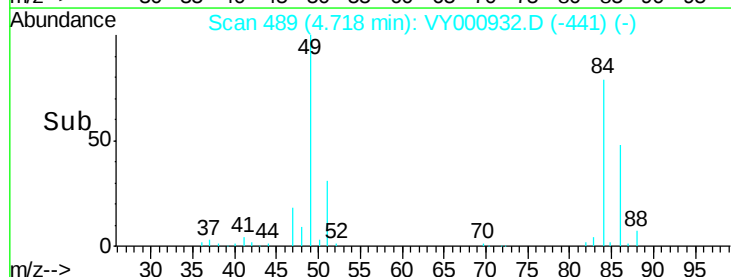
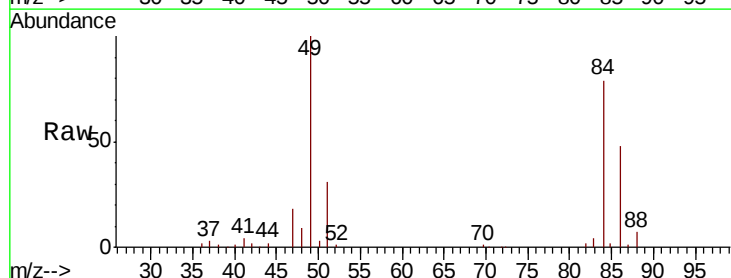
Ion Ratio Lower Upper

84 100

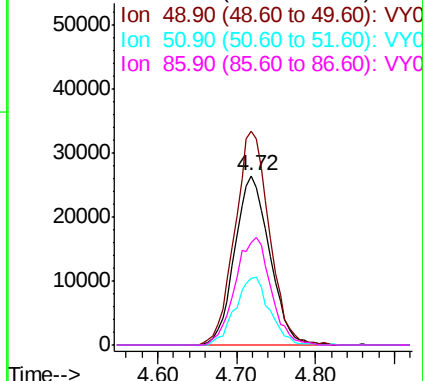
49 126.0 101.3 151.9

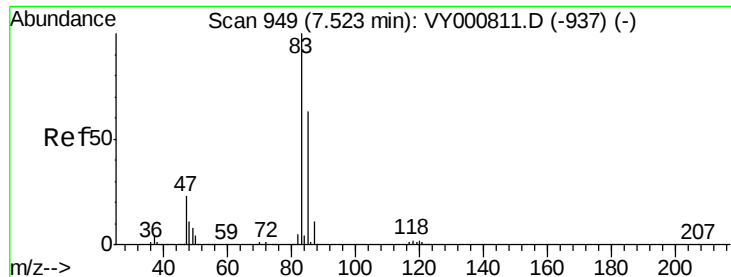
51 39.5 30.6 45.8

86 60.7 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000932.D (-441) (-)

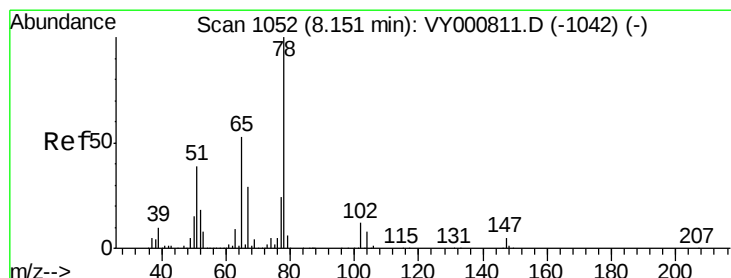
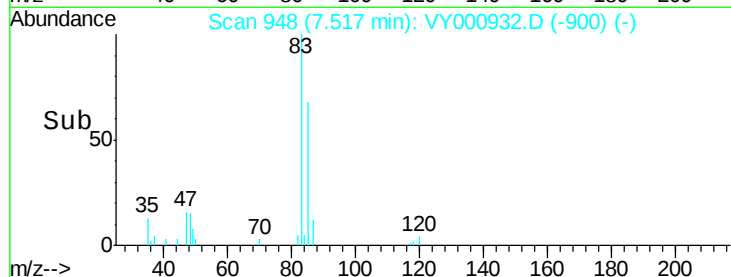
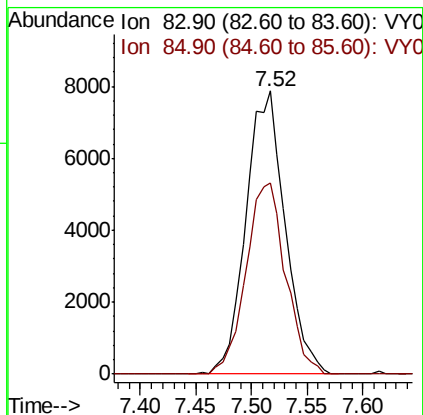
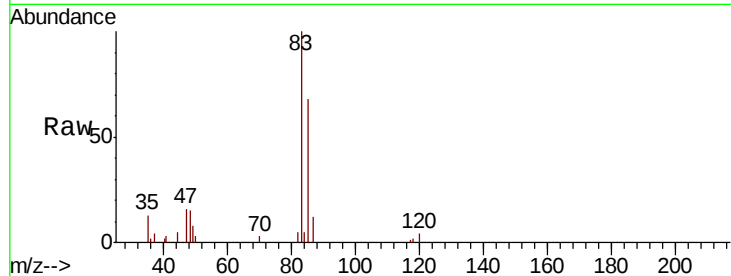




#30  
Chloroform  
Concen: 3.742 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: VY000932.D  
Acq: 12 Dec 2019 15:49

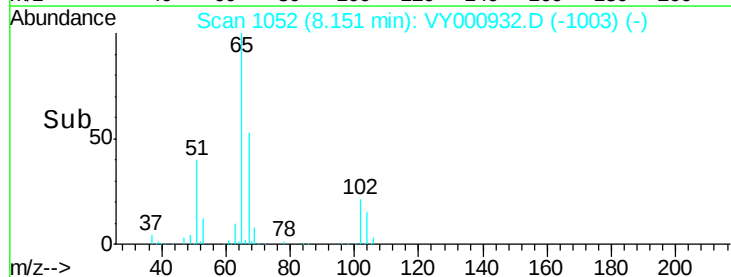
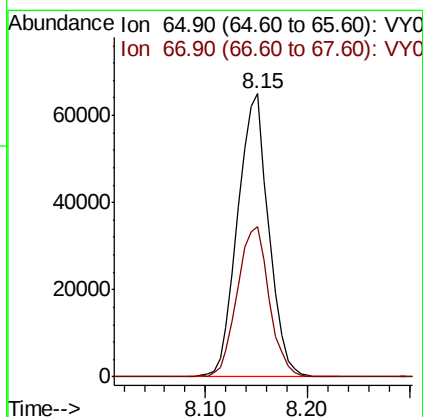
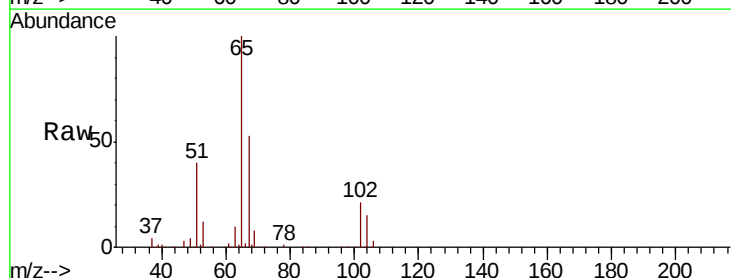
Instrument :  
MSVOA\_Y  
ClientSampleId :  
33-19-12-11-01E

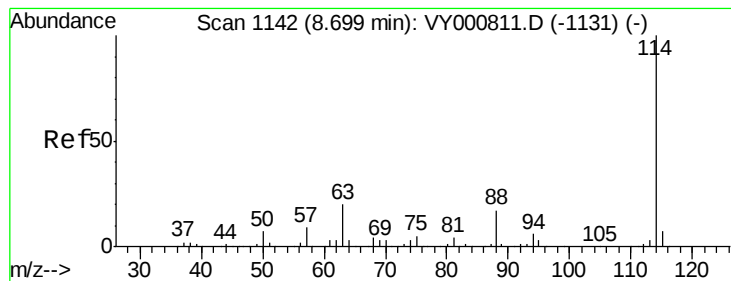
Tot Ion: 83 Resp: 19231  
Ion Ratio Lower Upper  
83 100  
85 67.8 50.4 75.6



#33  
1,2-Dichloroethane-d4  
Concen: 53.619 ug/l  
RT: 8.15 min Scan# 1052  
Delta R.T. -0.00 min  
Lab File: VY000932.D  
Acq: 12 Dec 2019 15:49

Tgt Ion: 65 Resp: 137068  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

33-19-12-11-01E

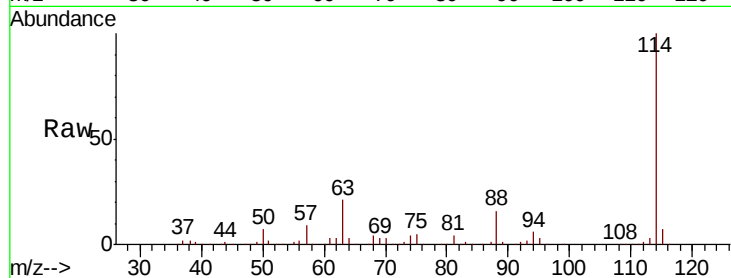
Tot Ion:114 Resp: 446731

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.8

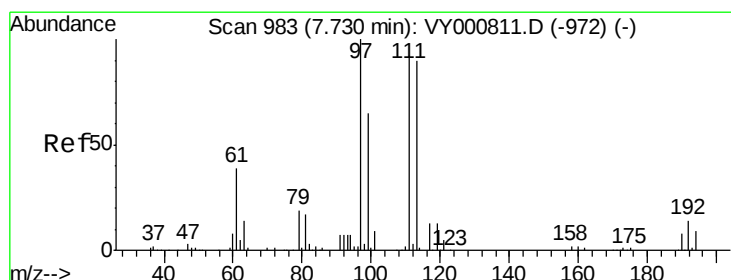
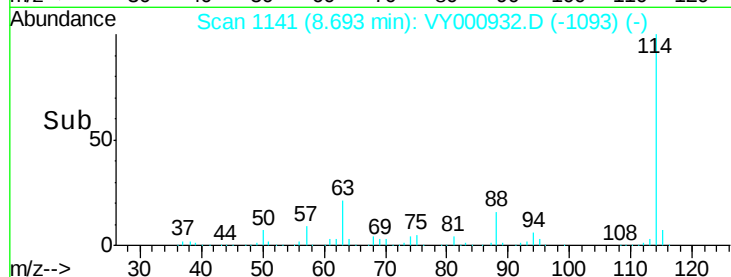
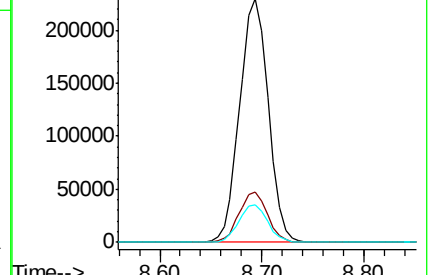
88 15.6 0.0 33.2



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: 48.735 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

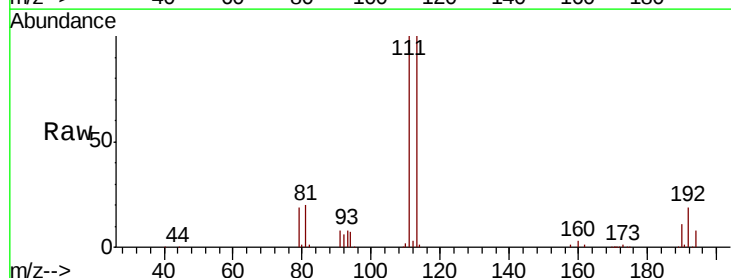
Tgt Ion:113 Resp: 126883

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

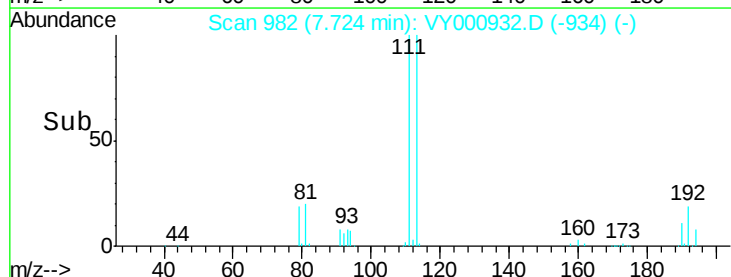
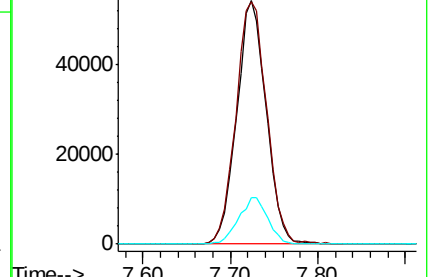
192 18.8 14.2 21.2

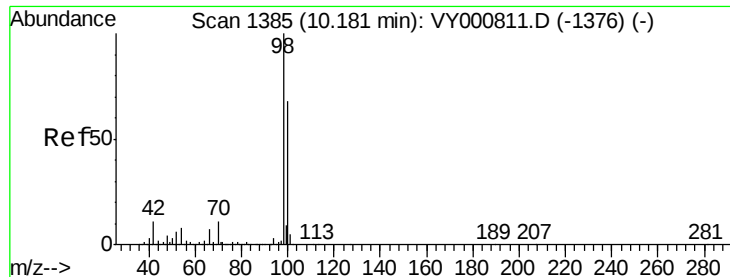


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.077 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

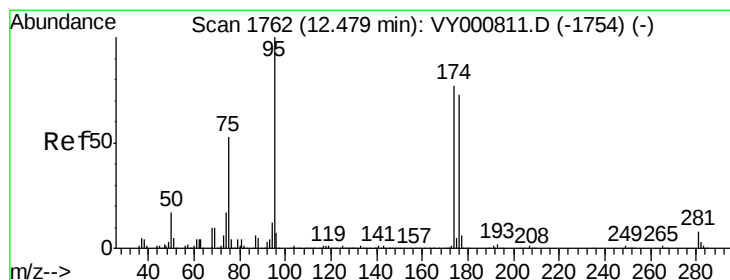
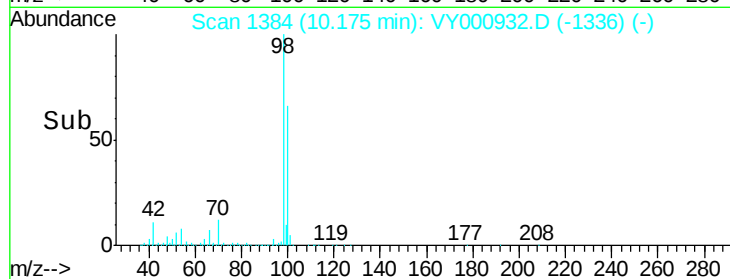
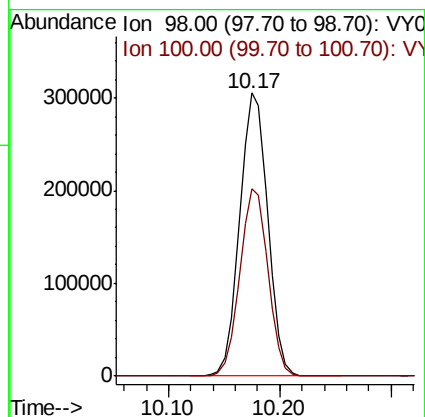
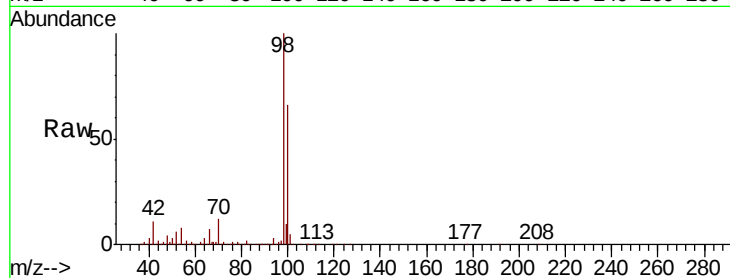
33-19-12-11-01E

Tot Ion: 98 Resp: 531649

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.971 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

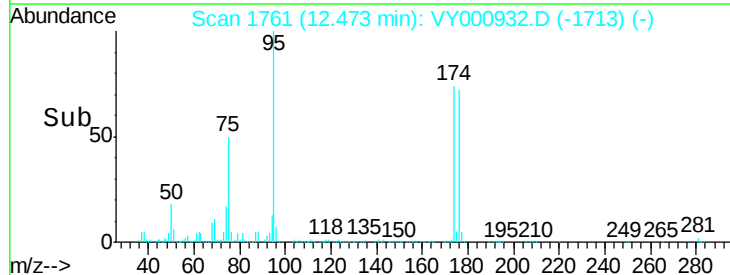
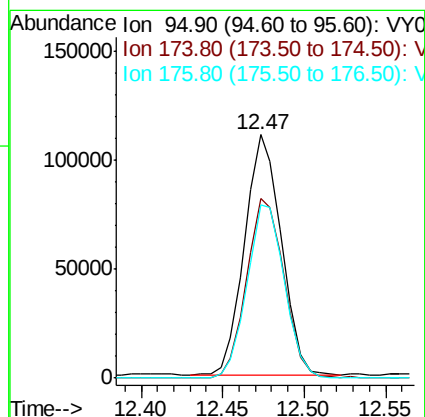
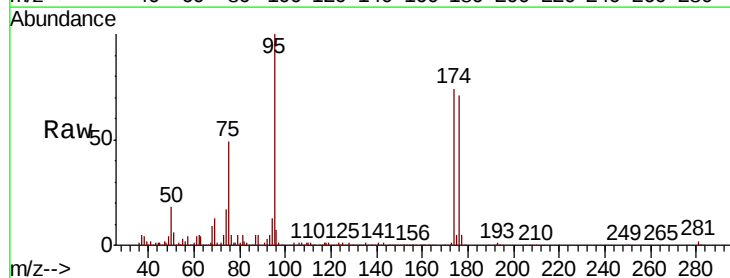
Tgt Ion: 95 Resp: 171886

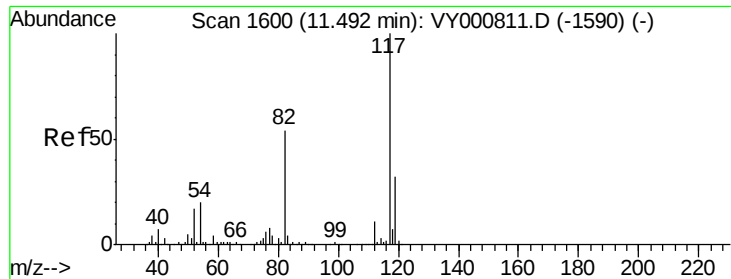
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.6

176 73.9 0.0 145.2

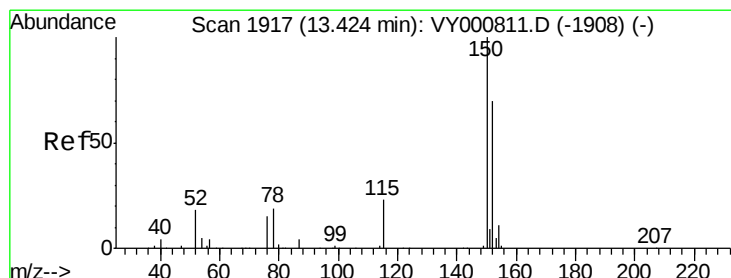
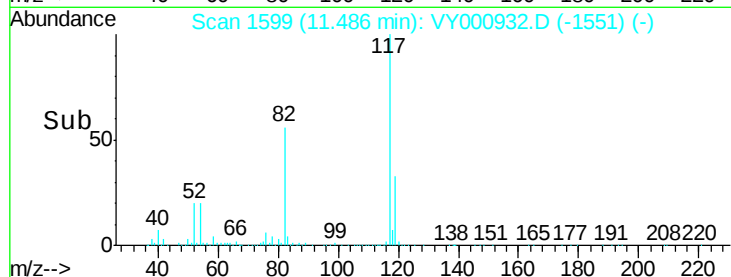
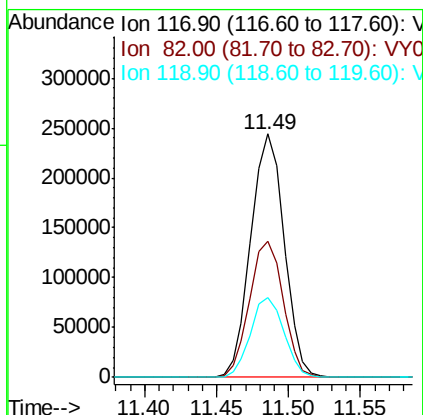
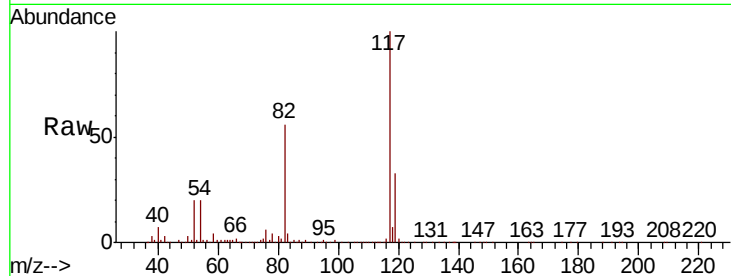




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000932.D  
Acq: 12 Dec 2019 15:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
33-19-12-11-01E

Tot Ion:117 Resp: 391258  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.1 64.7  
119 32.9 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1916  
Delta R.T. -0.01 min  
Lab File: VY000932.D  
Acq: 12 Dec 2019 15:49

Tgt Ion:152 Resp: 161050  
Ion Ratio Lower Upper  
152 100  
115 61.0 29.3 87.8  
150 158.0 0.0 351.2

