

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\  
 Data File : VY002231.D  
 Acq On : 06 Apr 2020 13:02  
 Operator : SY/MD  
 Sample : L2154-02  
 Misc : 6.32G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-212

Quant Time: Apr 07 04:59:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

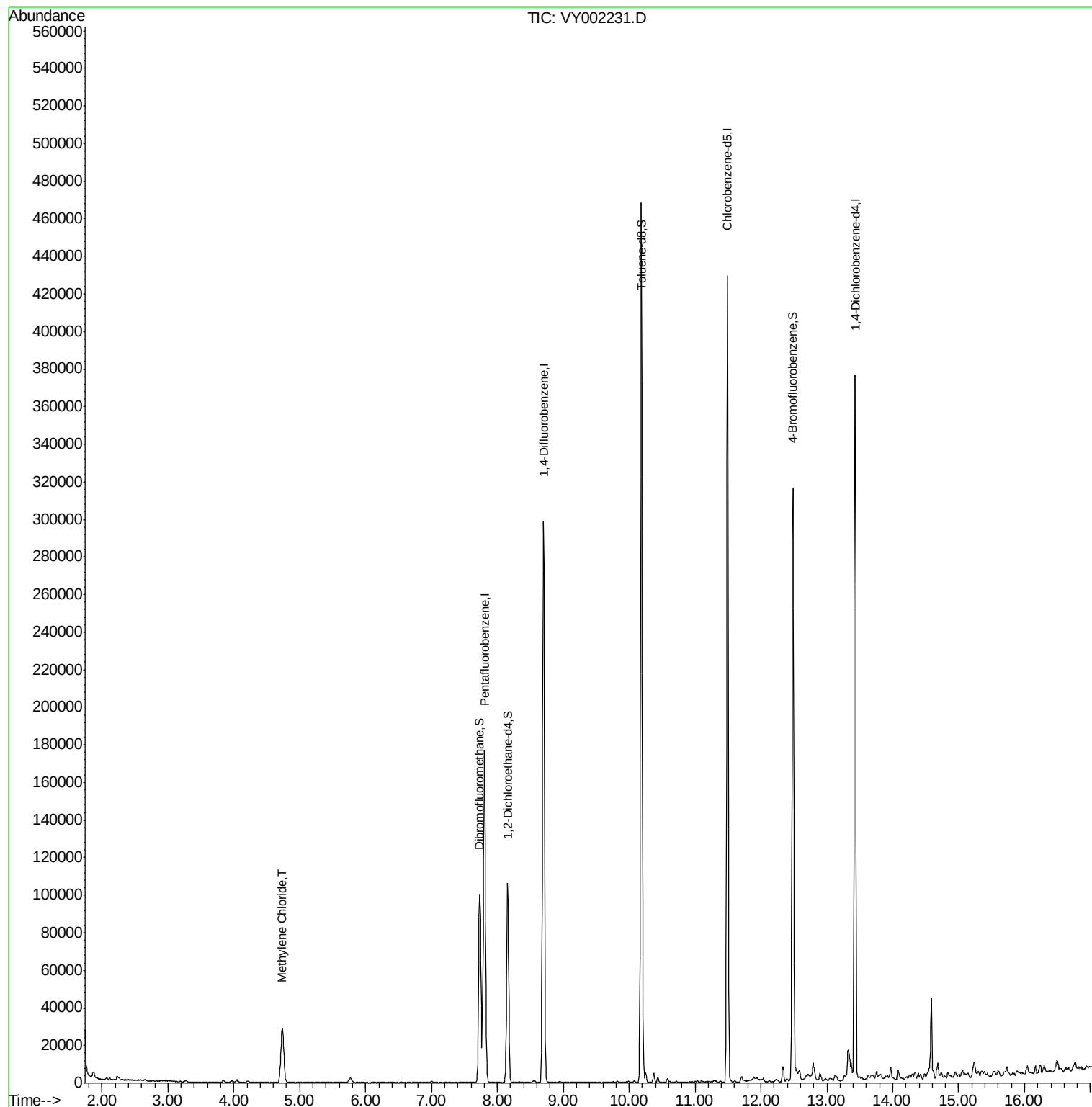
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 130321   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 254204   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 231019   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 92735    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 79074    | 54.89 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.78% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 73834    | 51.84 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.68% |           |
| 50) Toluene-d8              | 10.19 | 98   | 309064   | 52.23 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.46% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 102327   | 49.45 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.90%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.73  | 84   | 22207    | 9.057 | ug/l    | Qvalue 94 |

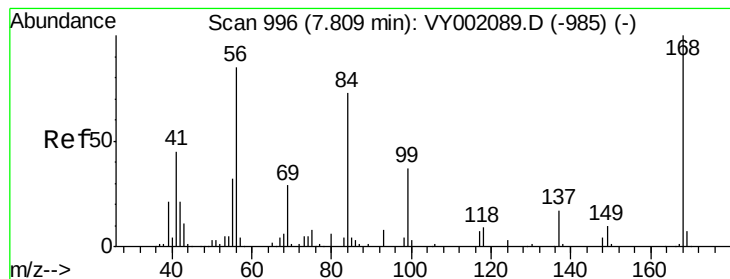
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 07 04:59:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

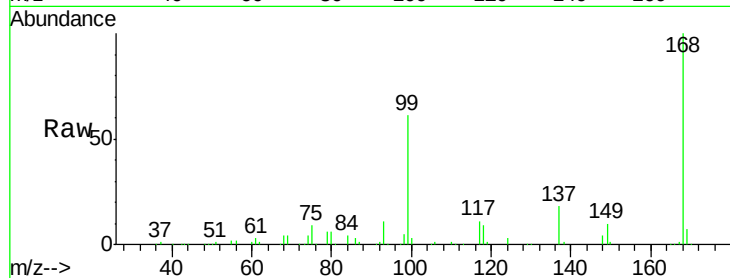
VNJ-212

Tot Ion:168 Resp: 130321

Ion Ratio Lower Upper

168 100

99 61.0 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.80

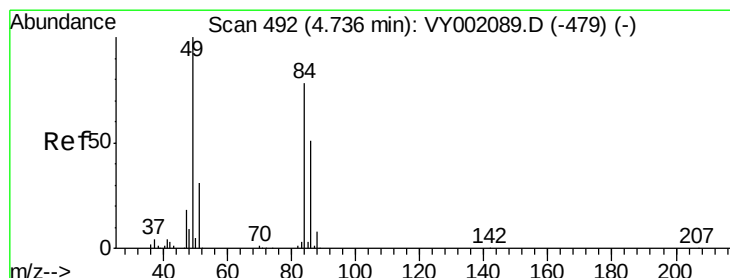
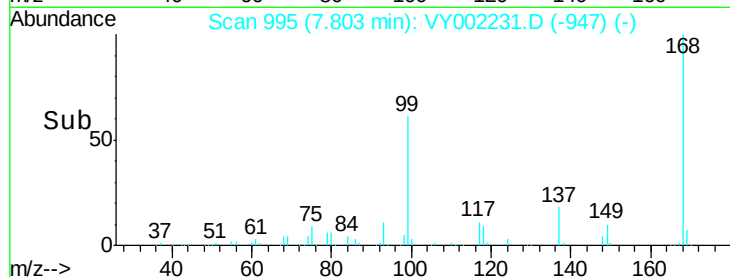
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 9.057 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Tgt Ion: 84 Resp: 22207

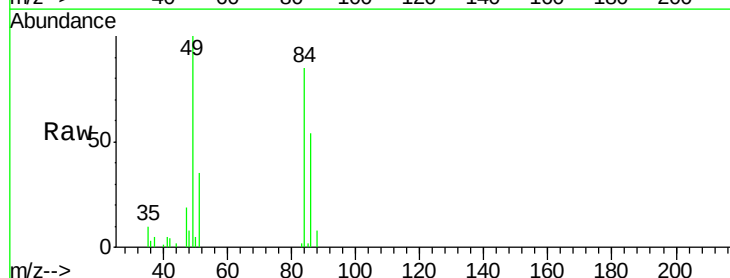
Ion Ratio Lower Upper

84 100

49 118.1 102.2 153.4

51 40.8 31.2 46.8

86 63.3 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VY002089.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002089.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002089.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002089.D (-479) (-)

4.73

12000

10000

8000

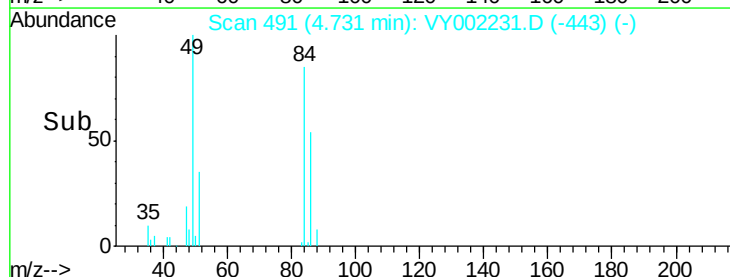
6000

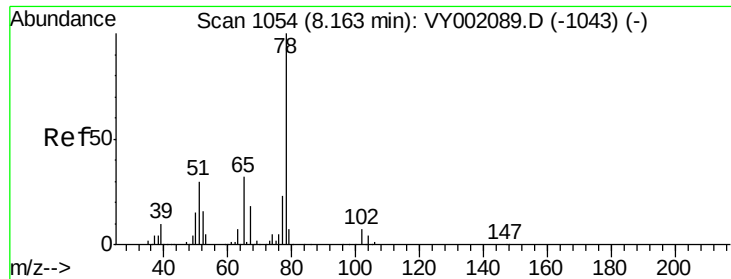
4000

2000

0

Time-->

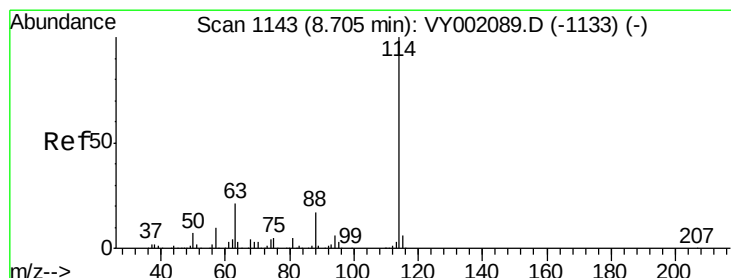
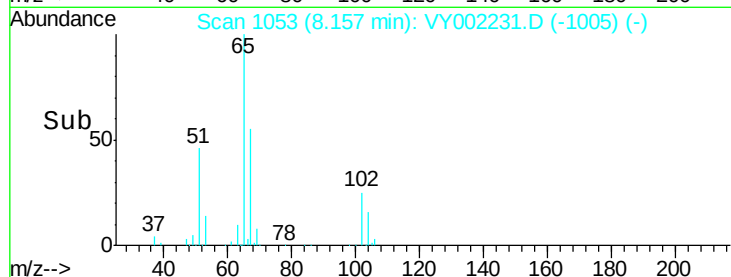
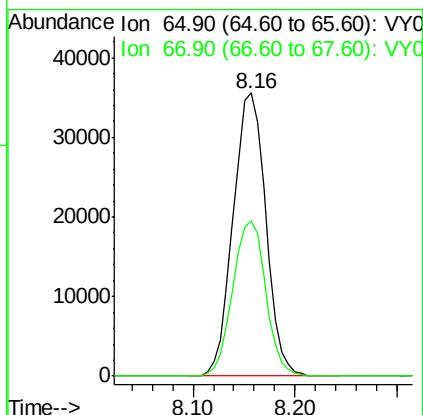
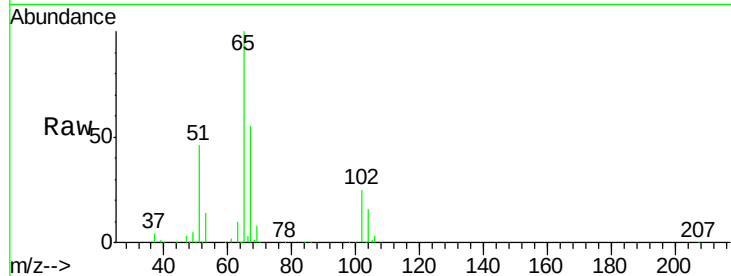




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.887 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VY002231.D  
 Acq: 06 Apr 2020 13:02

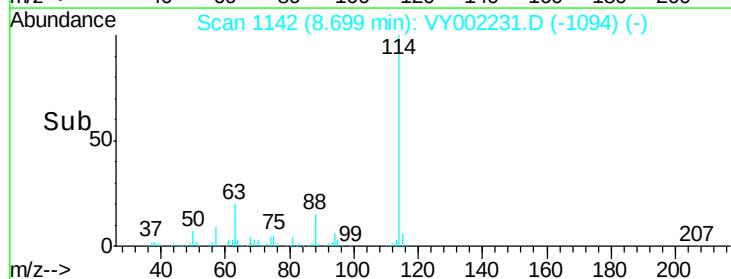
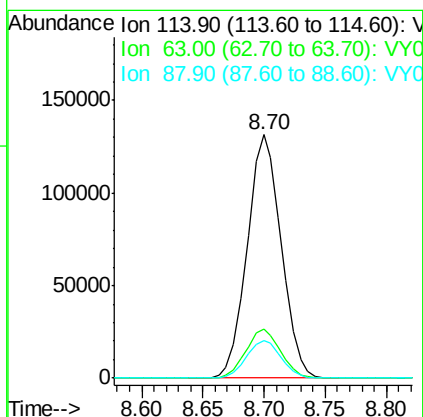
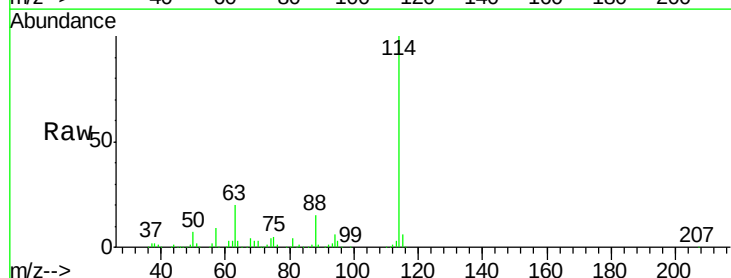
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-212

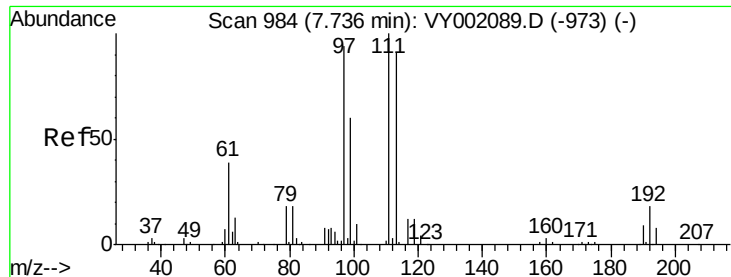
Tot Ion: 65 Resp: 79074  
 Ion Ratio Lower Upper  
 65 100  
 67 55.3 0.0 112.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY002231.D  
 Acq: 06 Apr 2020 13:02

Tgt Ion: 114 Resp: 254204  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.4  
 88 15.3 0.0 33.0

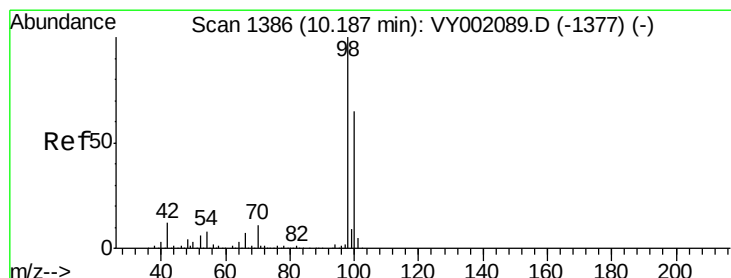
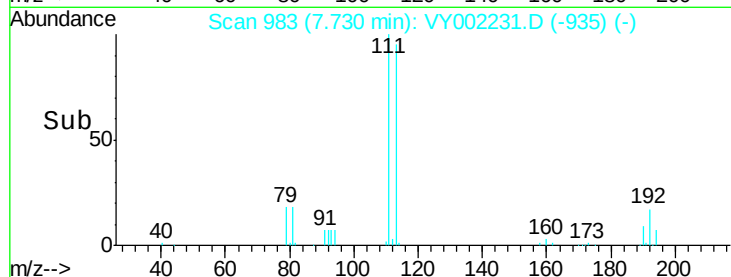
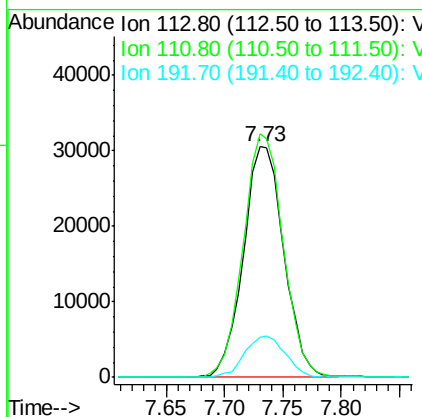
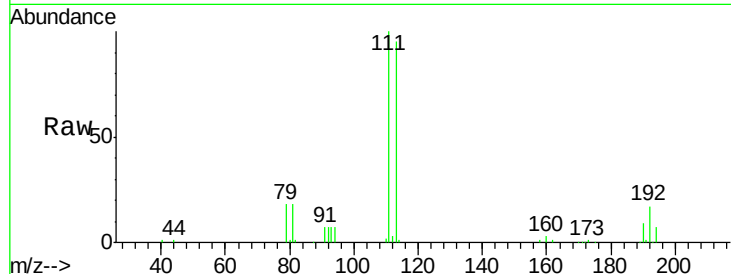




#35  
Dibromofluoromethane  
Concen: 51.837 ug/l  
RT: 7.73 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: VY002231.D  
Acq: 06 Apr 2020 13:02

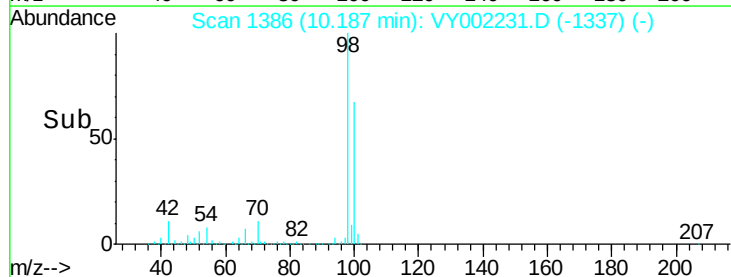
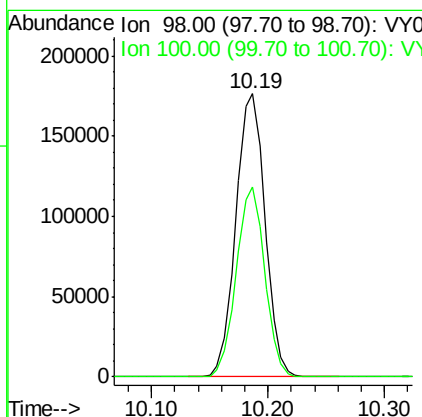
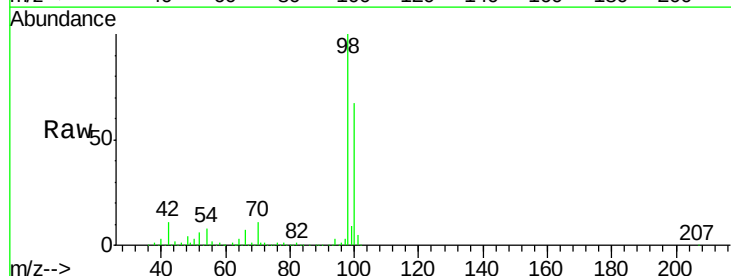
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

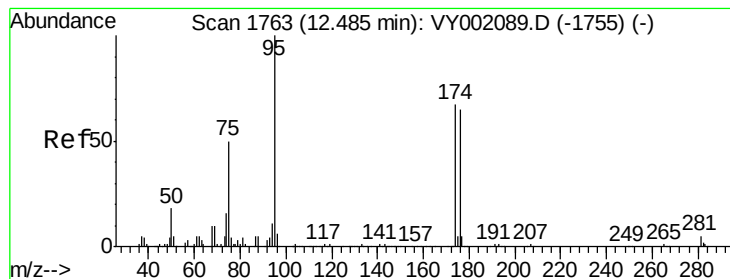
Tot Ion:113 Resp: 73834  
Ion Ratio Lower Upper  
113 100  
111 105.0 84.4 126.6  
192 18.2 14.6 21.8



#50  
Toluene-d8  
Concen: 52.233 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. 0.00 min  
Lab File: VY002231.D  
Acq: 06 Apr 2020 13:02

Tgt Ion: 98 Resp: 309064  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 49.448 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-212

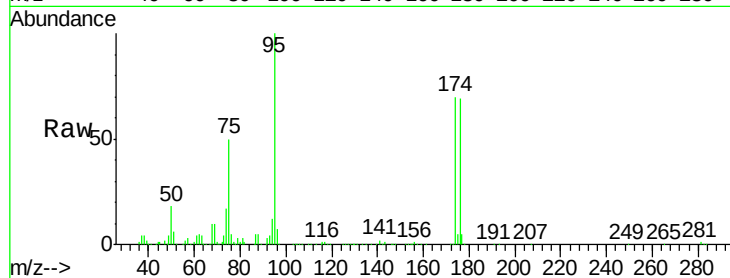
Tot Ion: 95 Resp: 102327

Ion Ratio Lower Upper

95 100

174 72.1 0.0 143.4

176 69.9 0.0 137.0

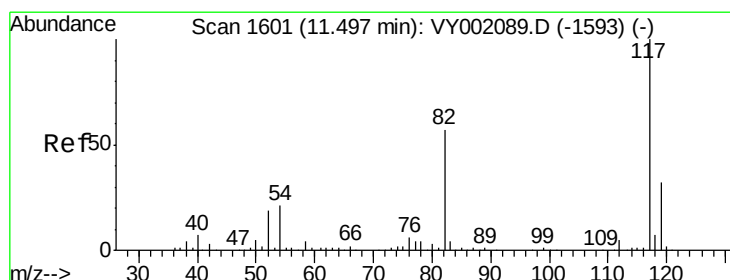
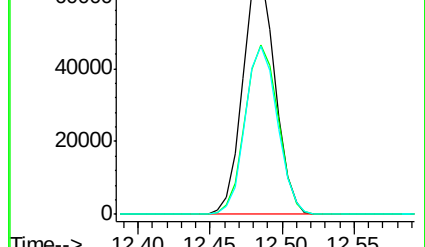
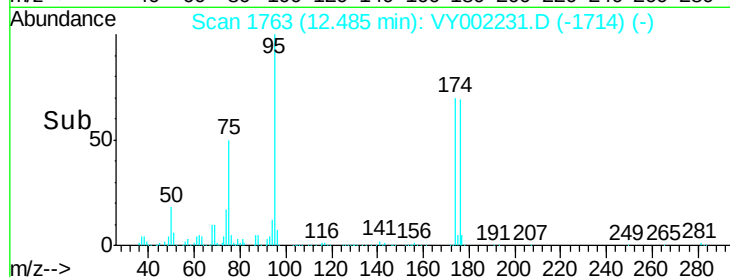


Abundance Ion 94.90 (94.60 to 95.60): VY002231.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY002231.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY002231.D (-1714) (-)

Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

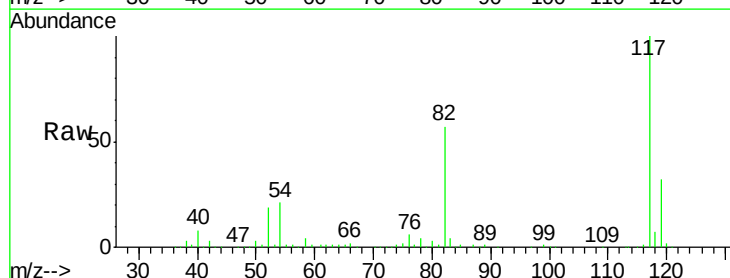
Tgt Ion: 117 Resp: 231019

Ion Ratio Lower Upper

117 100

82 57.3 45.4 68.2

119 32.2 25.3 37.9

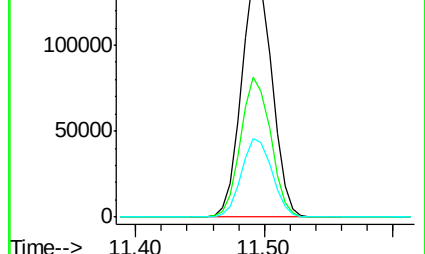
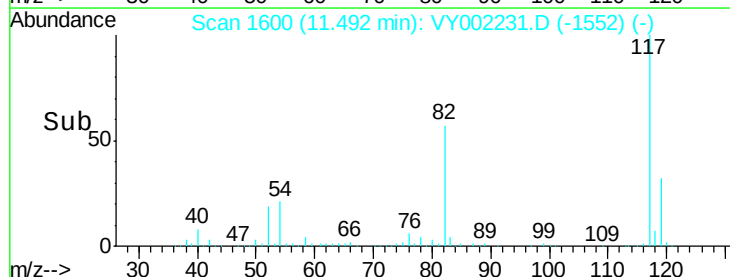


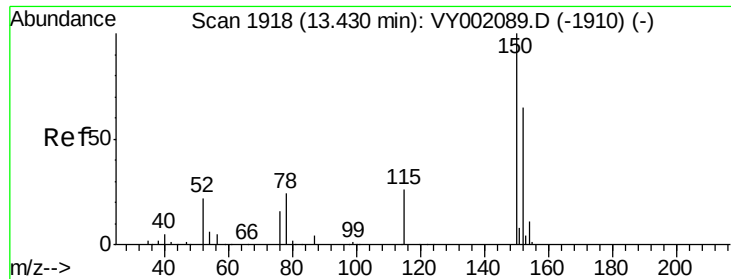
Abundance Ion 116.90 (116.60 to 117.60): VY002231.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002231.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002231.D (-1552) (-)

Time--> 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-212

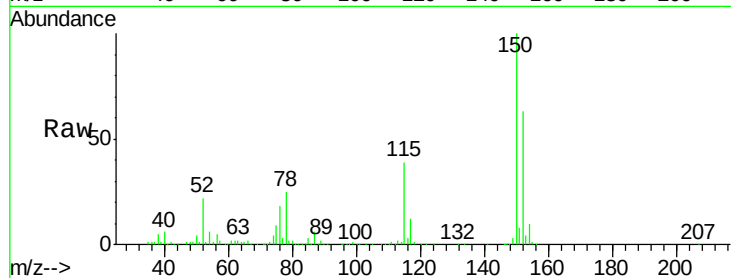
Tot Ion:152 Resp: 92735

Ion Ratio Lower Upper

152 100

115 61.2 31.2 93.6

150 158.3 0.0 354.8



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

