

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\  
 Data File : VY001058.D  
 Acq On : 24 Dec 2019 18:59  
 Operator : SY/MD  
 Sample : K6414-05  
 Misc : 6.45G/5ML/MSVOA Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 K183-SB-05

Quant Time: Dec 26 08:49:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y122319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 23 12:07:44 2019  
 Response via : Initial Calibration

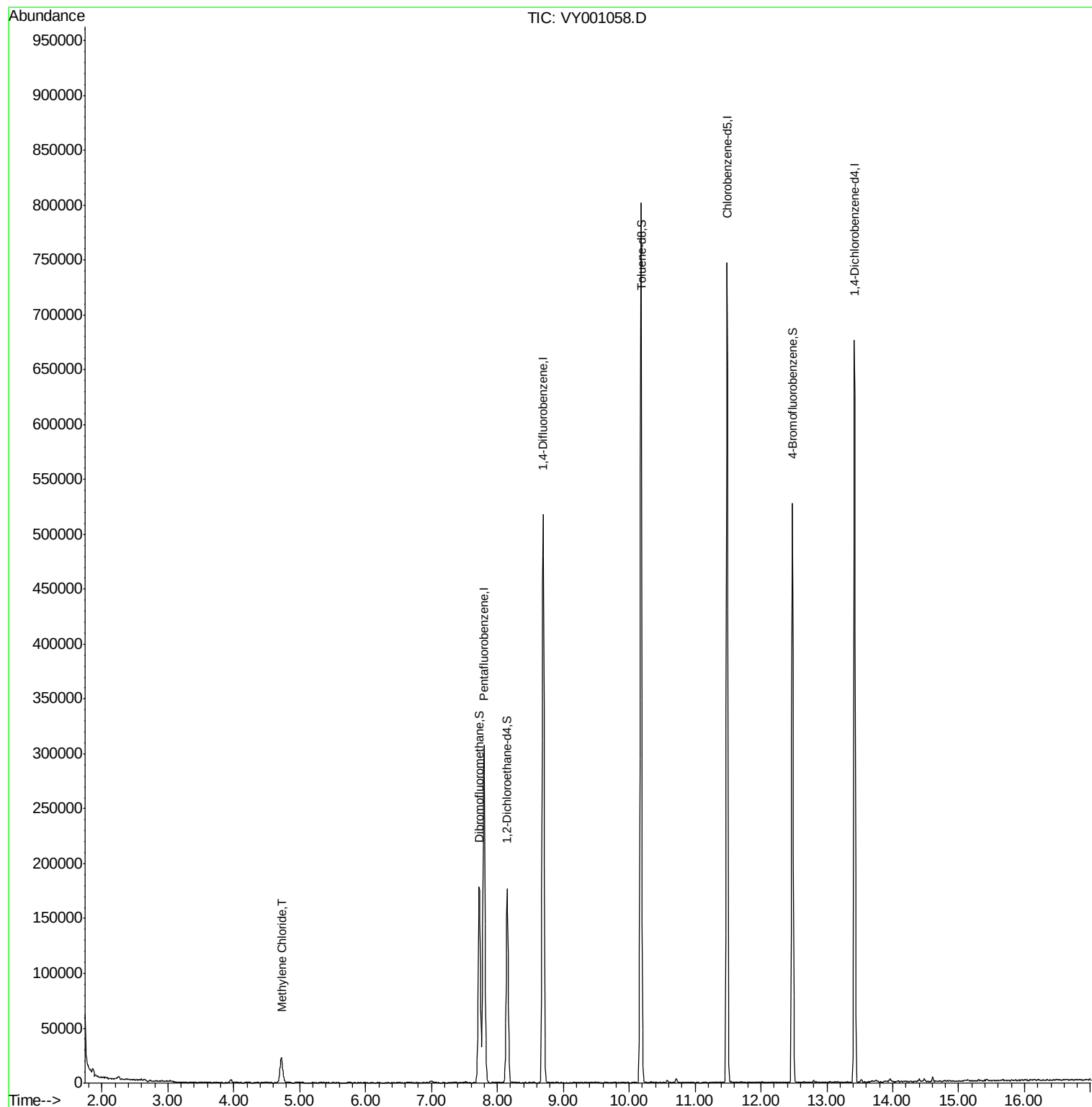
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 234904   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 451045   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 400411   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 166410   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 131227   | 56.64 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.28% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 130681   | 49.20 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.40%  |           |
| 50) Toluene-d8              | 10.18 | 98   | 533124   | 51.36 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.72% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 167629   | 44.17 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.34%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.73  | 84   | 16649    | 5.300 | ug/l    | Qvalue 89 |

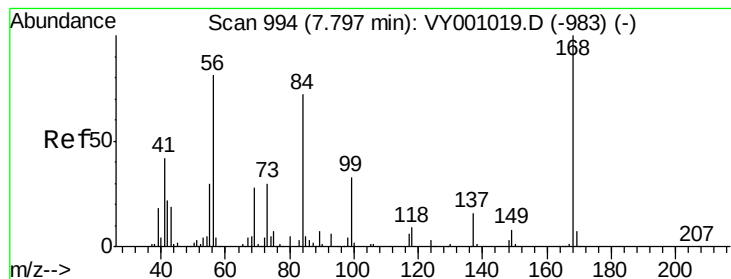
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122419\  
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Quant Title : SW846 8260  
QLast Update : Mon Dec 23 12:07:44 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001058.D

Acq: 24 Dec 2019 18:59

Instrument :

MSVOA\_Y

ClientSampleId :

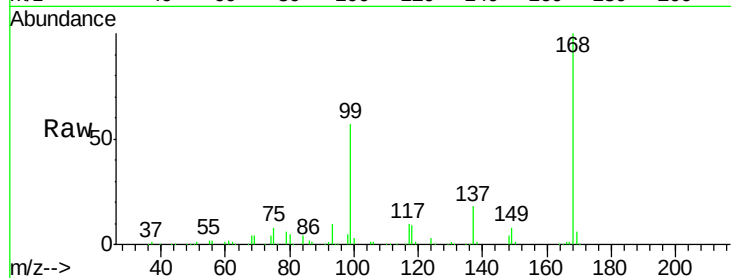
K183-SB-05

Tot Ion:168 Resp: 234904

Ion Ratio Lower Upper

168 100

99 57.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

100000

80000

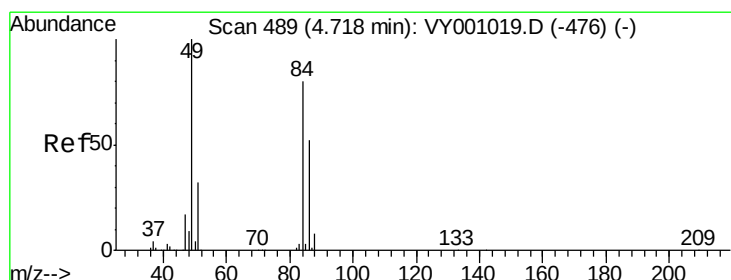
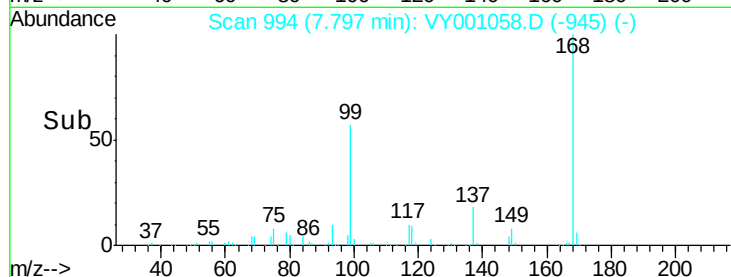
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 5.300 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001058.D

Acq: 24 Dec 2019 18:59

Tgt Ion: 84 Resp: 16649

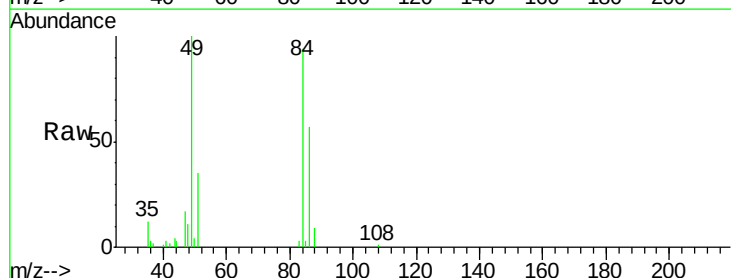
Ion Ratio Lower Upper

84 100

49 106.4 99.8 149.6

51 37.7 31.4 47.2

86 60.7 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001019.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001019.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001019.D (-476) (-)

4.73

8000

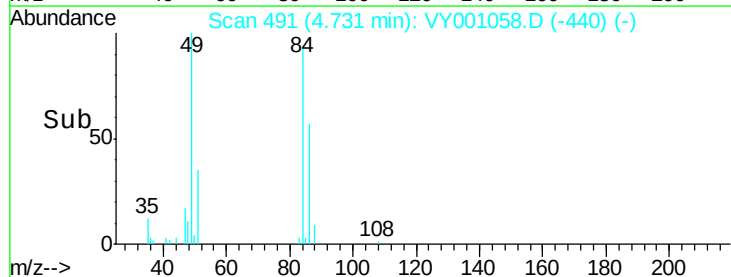
6000

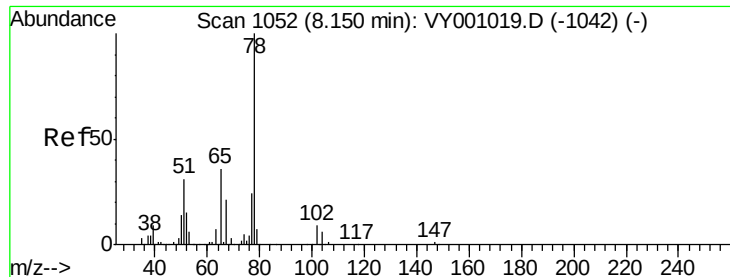
4000

2000

0

Time-->

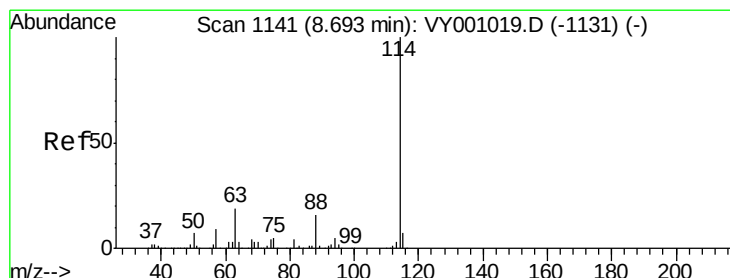
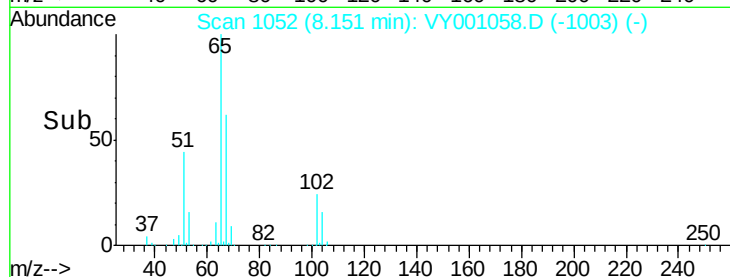
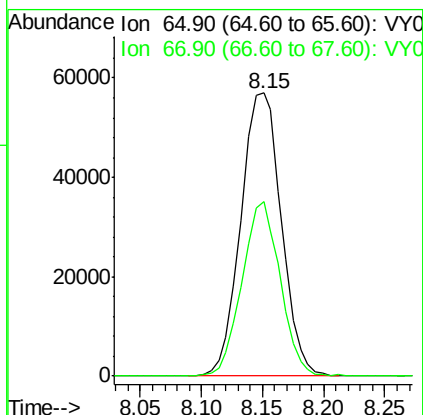
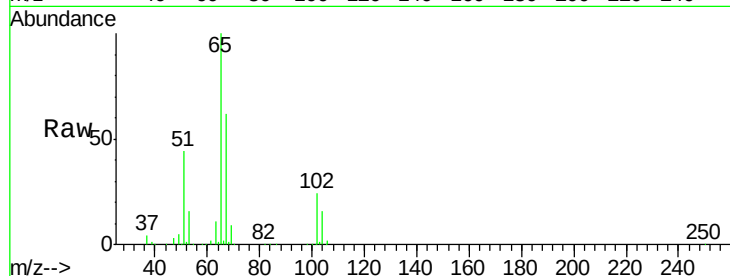




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.641 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY001058.D  
 Acq: 24 Dec 2019 18:59

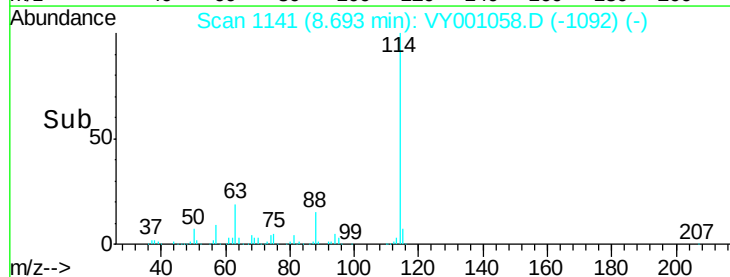
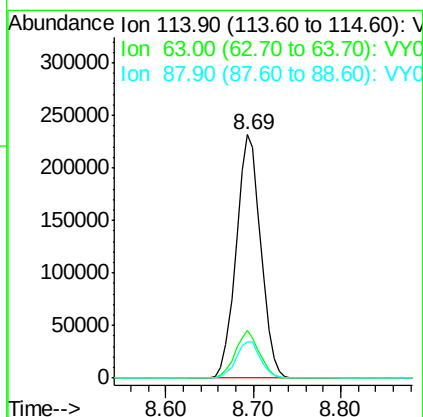
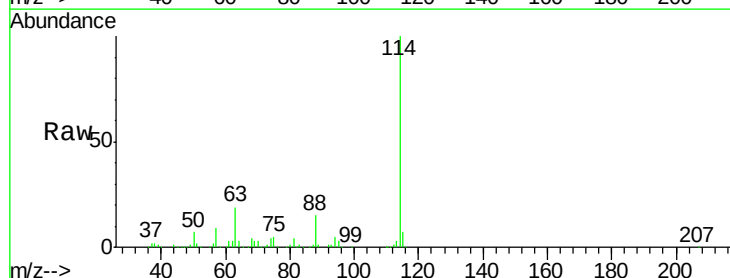
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 K183-SB-05

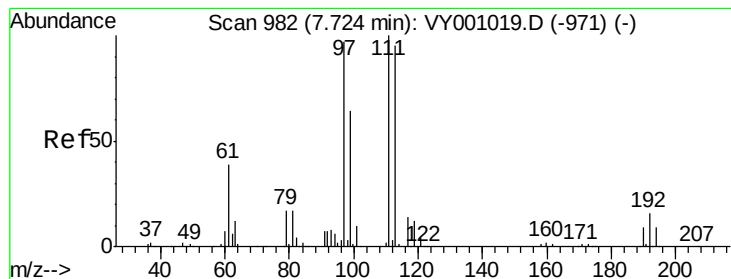
Tot Ion: 65 Resp: 131227  
 Ion Ratio Lower Upper  
 65 100  
 67 58.2 0.0 112.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY001058.D  
 Acq: 24 Dec 2019 18:59

Tgt Ion: 114 Resp: 451045  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 37.0  
 88 14.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.202 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001058.D

Acq: 24 Dec 2019 18:59

Instrument :

MSVOA\_Y

ClientSampleId :

K183-SB-05

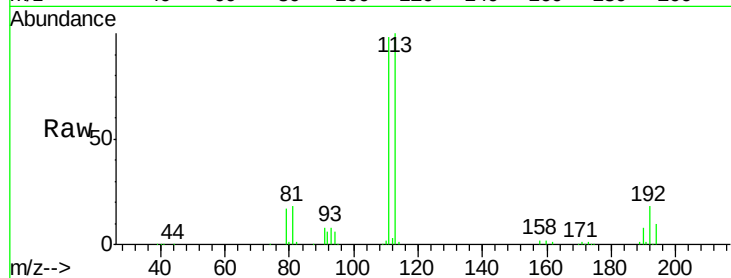
Tot Ion:113 Resp: 130681

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.4

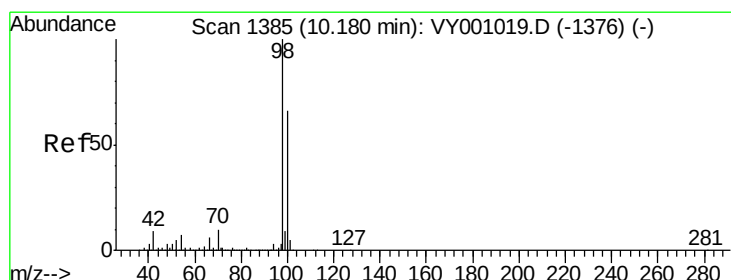
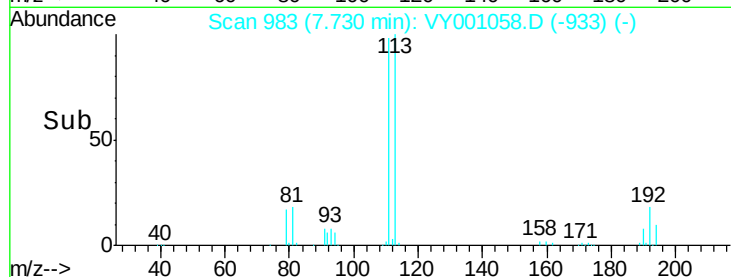
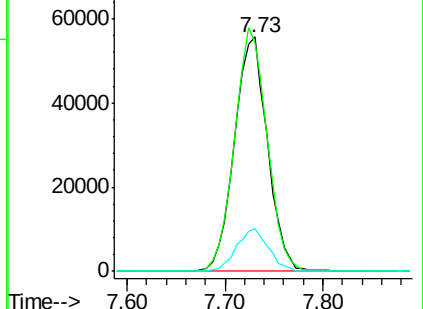
192 17.6 14.6 21.8



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: 51.363 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001058.D

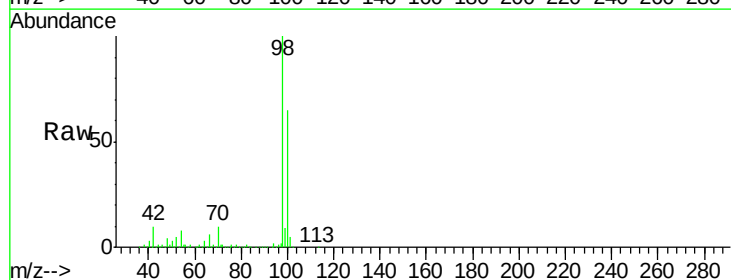
Acq: 24 Dec 2019 18:59

Tgt Ion: 98 Resp: 533124

Ion Ratio Lower Upper

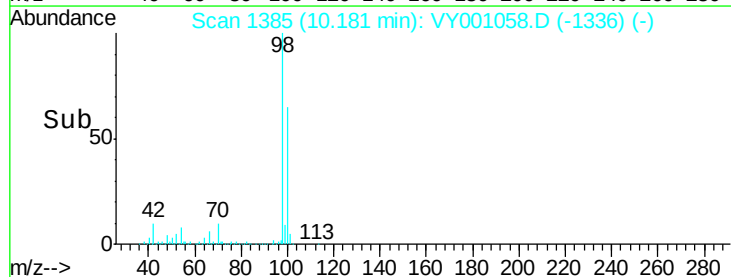
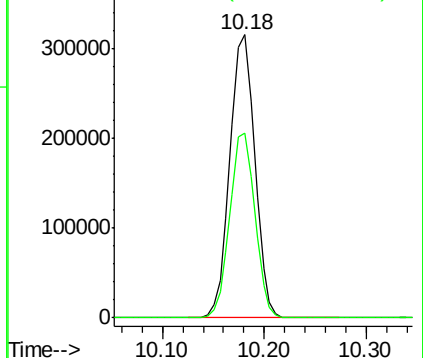
98 100

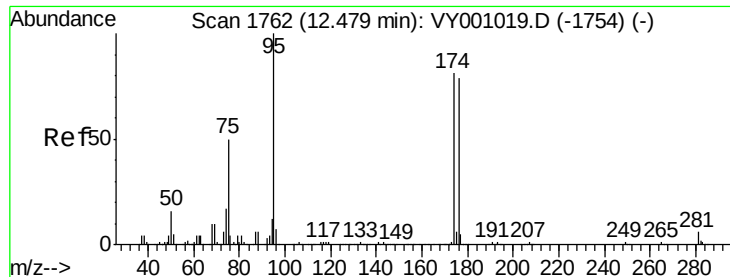
100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

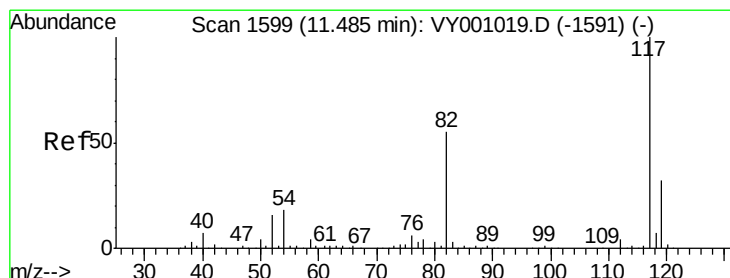
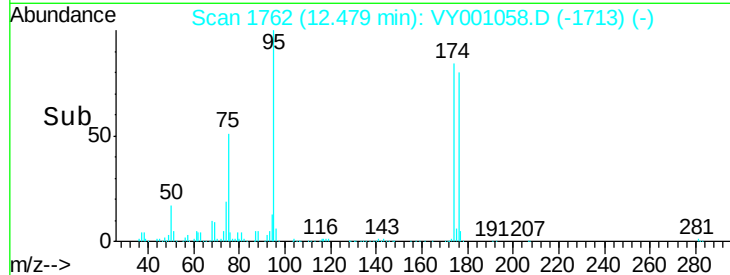
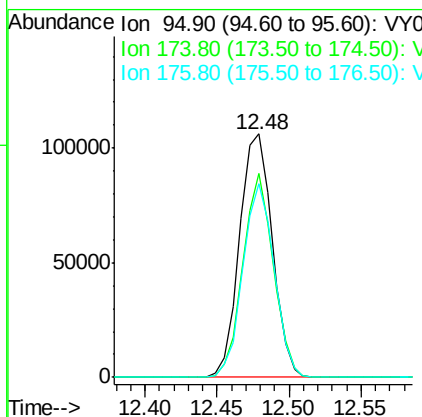
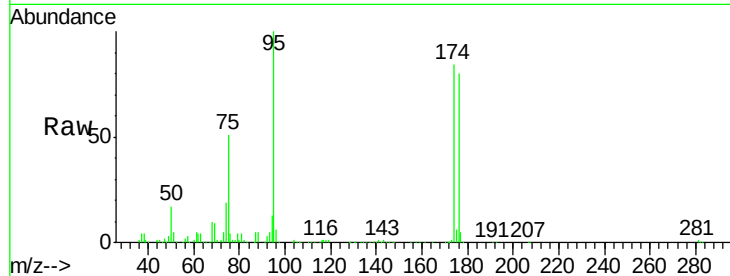




#62  
4-Bromofluorobenzene  
Concen: 44.171 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY001058.D  
Acq: 24 Dec 2019 18:59

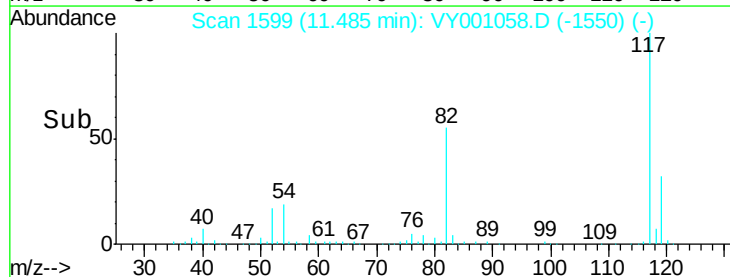
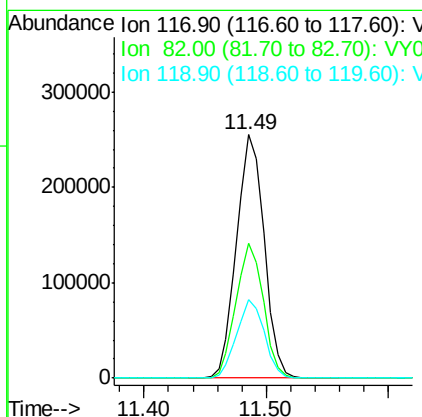
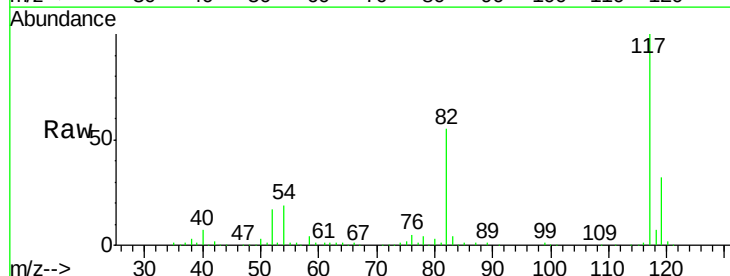
Instrument :  
MSVOA\_Y  
ClientSampleId :  
K183-SB-05

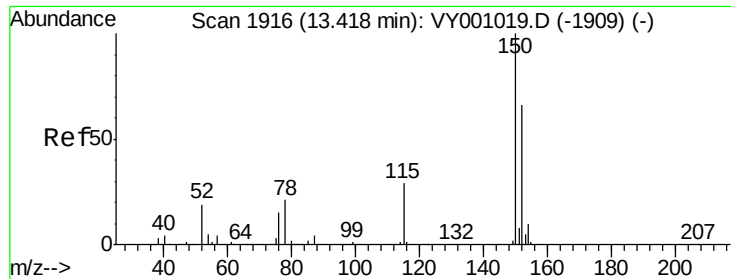
Tot Ion: 95 Resp: 167629  
Ion Ratio Lower Upper  
95 100  
174 77.6 0.0 156.4  
176 75.8 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VY001058.D  
Acq: 24 Dec 2019 18:59

Tgt Ion: 117 Resp: 400411  
Ion Ratio Lower Upper  
117 100  
82 55.3 43.8 65.8  
119 32.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001058.D

Acq: 24 Dec 2019 18:59

Instrument :

MSVOA\_Y

ClientSampleId :

K183-SB-05

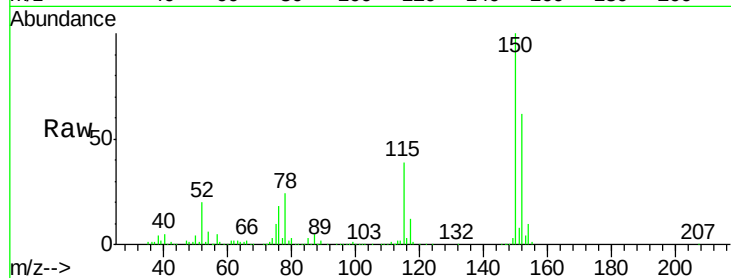
Tot Ion:152 Resp: 166410

Ion Ratio Lower Upper

152 100

115 61.1 29.8 89.3

150 158.5 0.0 352.6



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

