

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\  
 Data File : VY001045.D  
 Acq On : 24 Dec 2019 14:10  
 Operator : SY/MD  
 Sample : K6413-02  
 Misc : 7.65G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 K005-AA-SB2

Quant Time: Dec 26 06:41:25 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

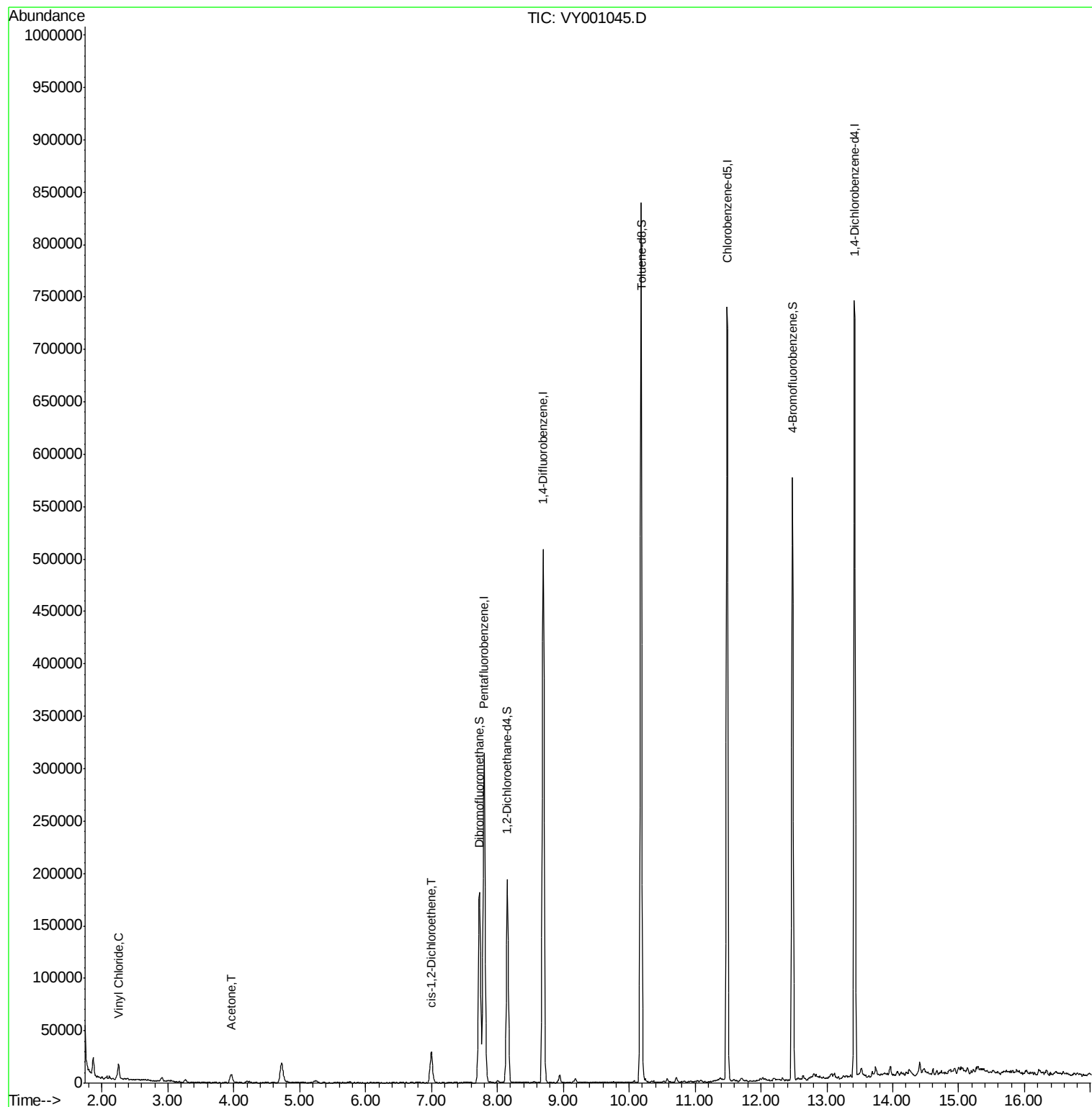
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80   | 168  | 244797   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69   | 114  | 455449   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49  | 117  | 418790   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42  | 152  | 189379   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65   | 136855   | 56.68  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 113.36% |          |
| 35) Dibromofluoromethane    | 7.73   | 113  | 132135   | 49.27  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 98.54%  |          |
| 50) Toluene-d8              | 10.18  | 98   | 548498   | 52.33  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 104.66% |          |
| 62) 4-Bromofluorobenzene    | 12.48  | 95   | 183401   | 47.86  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 95.72%  |          |
| Target Compounds            |        |      |          |        |         |          |
| 4) Vinyl Chloride           | 2.25   | 62   | 9266     | 3.287  | ug/l    | 90       |
| 16) Acetone                 | 3.96   | 43   | 13973    | 25.122 | ug/l    | 93       |
| 27) cis-1,2-Dichloroethene  | 7.00   | 96   | 16918    | 5.053  | ug/l    | 92       |

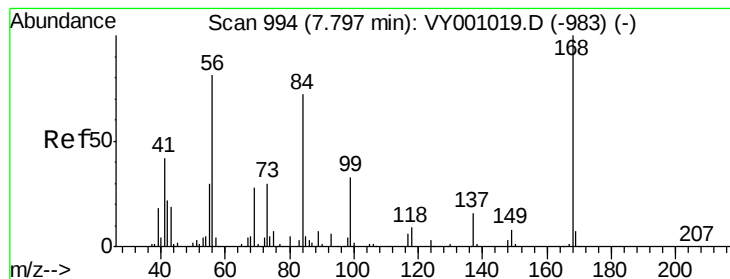
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122419\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y122319S.M  
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# 995

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

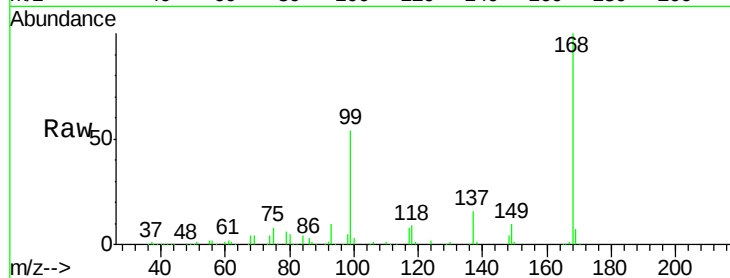
K005-AA-SB2

Tot Ion:168 Resp: 244797

Ion Ratio Lower Upper

168 100

99 54.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

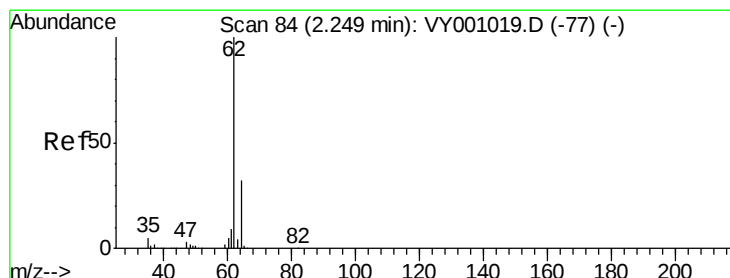
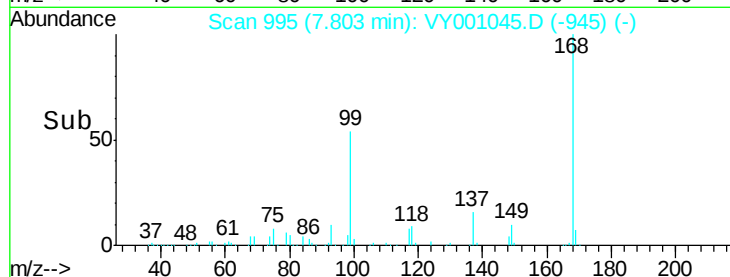
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 3.287 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001045.D

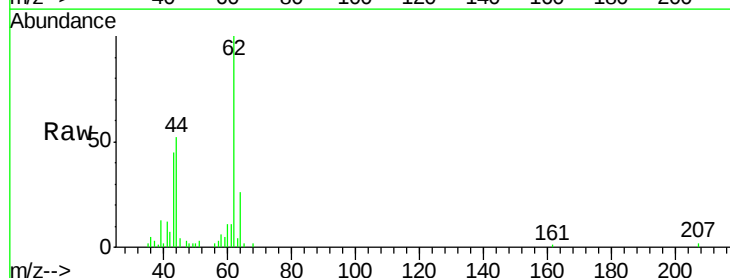
Acq: 24 Dec 2019 14:10

Tgt Ion: 62 Resp: 9266

Ion Ratio Lower Upper

62 100

64 26.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

6000

5000

4000

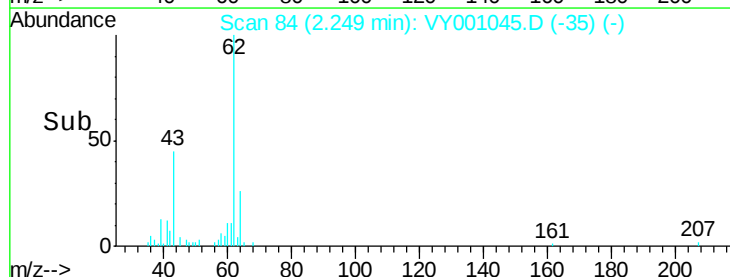
3000

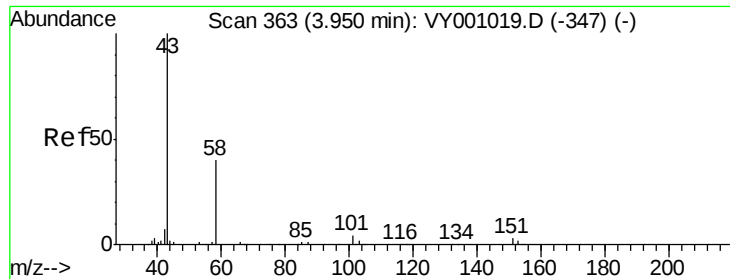
2000

1000

0

Time-->





#16

Acetone

Concen: 25.122 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA\_Y

ClientSampled :

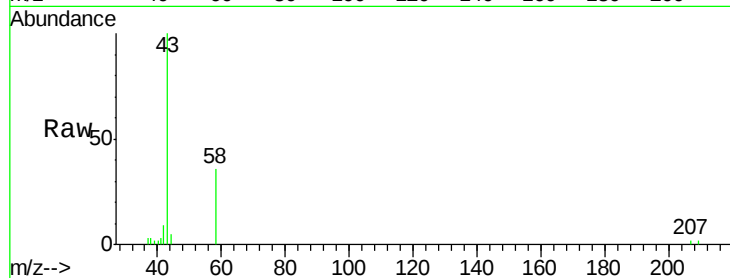
K005-AA-SB2

Tot Ion: 43 Resp: 13973

Ion Ratio Lower Upper

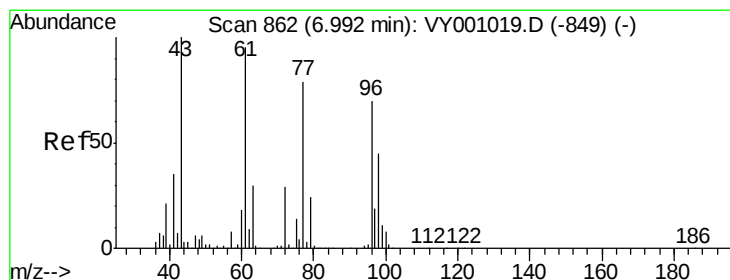
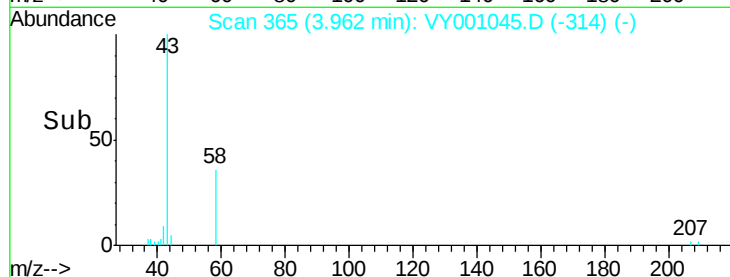
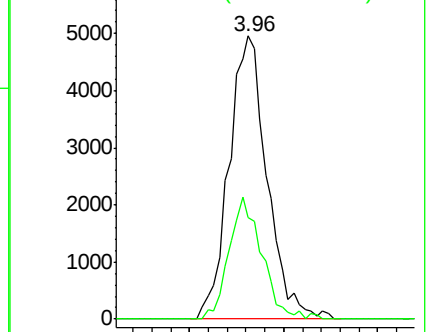
43 100

58 35.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 5.053 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

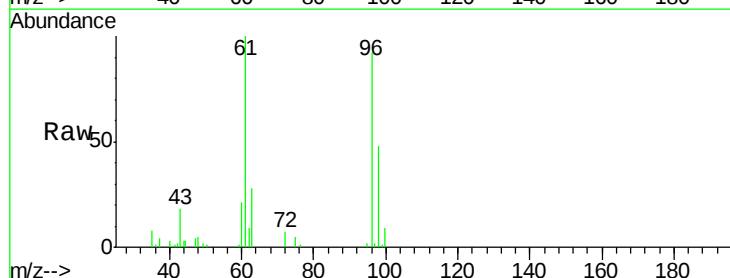
Tgt Ion: 96 Resp: 16918

Ion Ratio Lower Upper

96 100

61 120.7 0.0 268.2

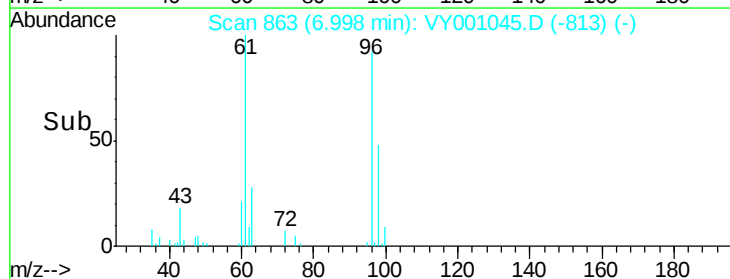
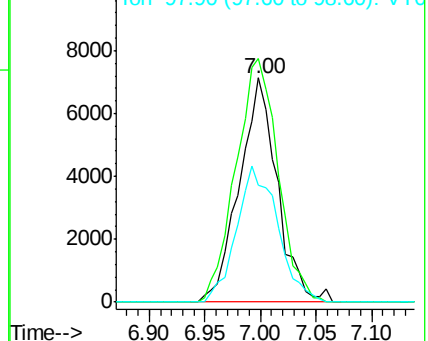
98 65.7 0.0 129.2

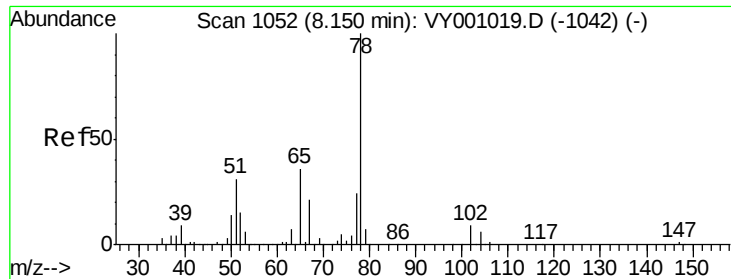


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

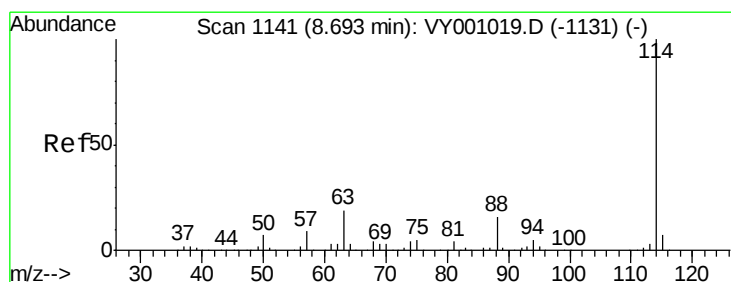
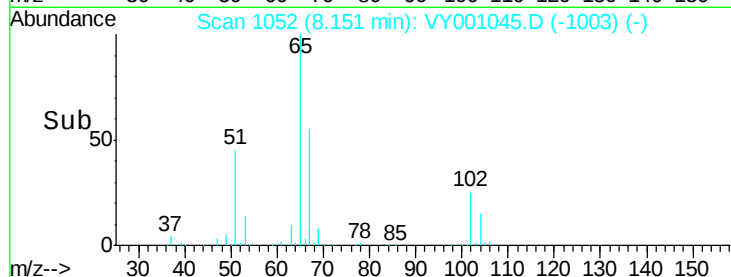
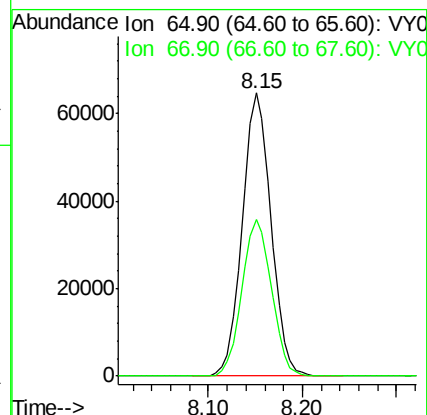
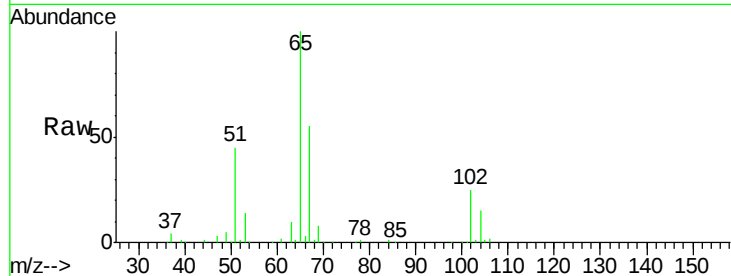




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.683 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY001045.D  
 Acq: 24 Dec 2019 14:10

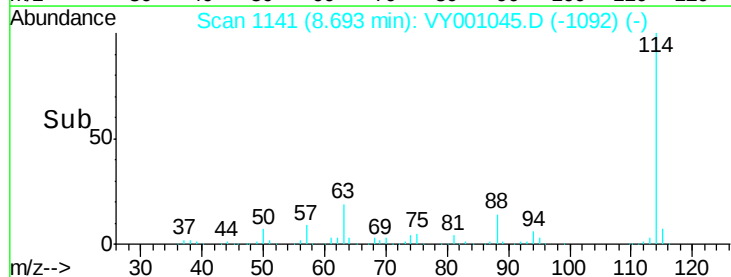
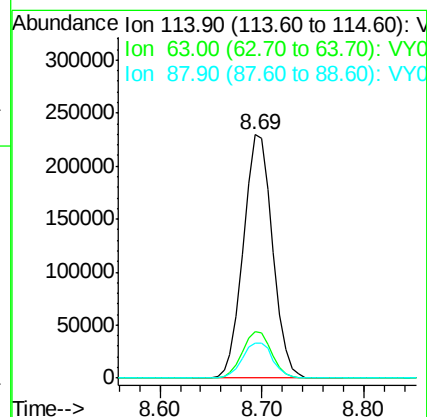
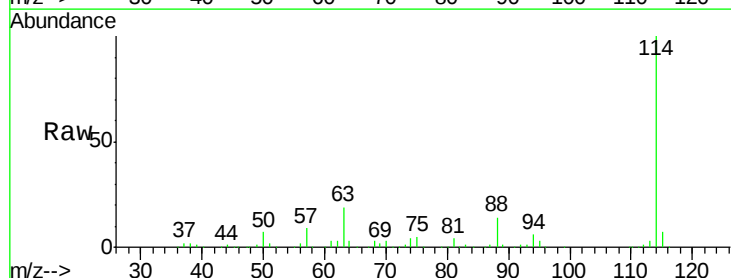
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 K005-AA-SB2

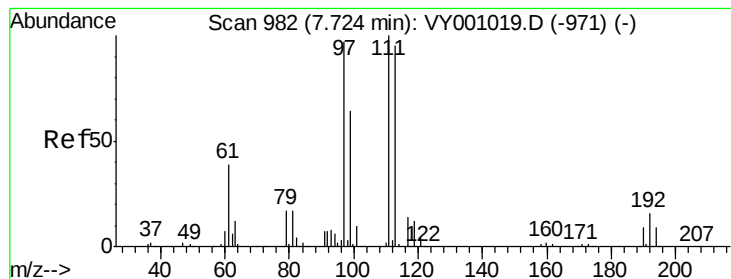
Tot Ion: 65 Resp: 136855  
 Ion Ratio Lower Upper  
 65 100  
 67 57.0 0.0 112.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY001045.D  
 Acq: 24 Dec 2019 14:10

Tgt Ion: 114 Resp: 455449  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 37.0  
 88 14.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

K005-AA-SB2

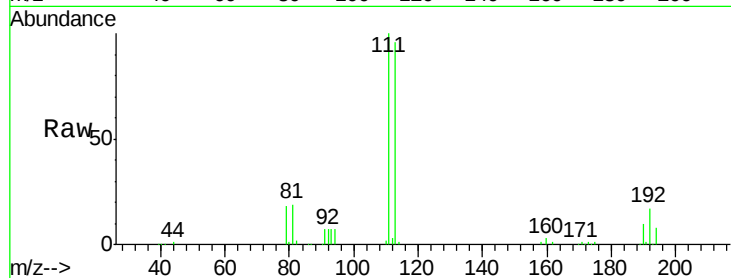
Tot Ion:113 Resp: 132135

Ion Ratio Lower Upper

113 100

111 104.6 83.0 124.4

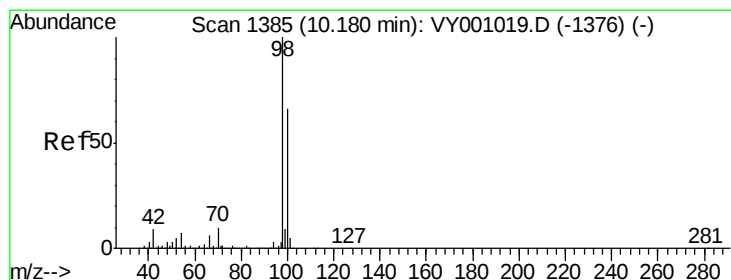
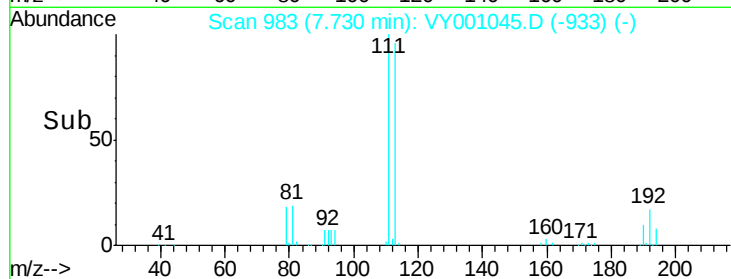
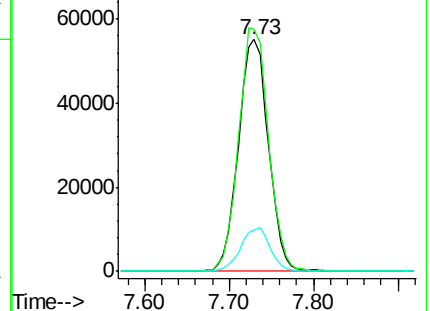
192 18.4 14.6 21.8



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: 52.333 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001045.D

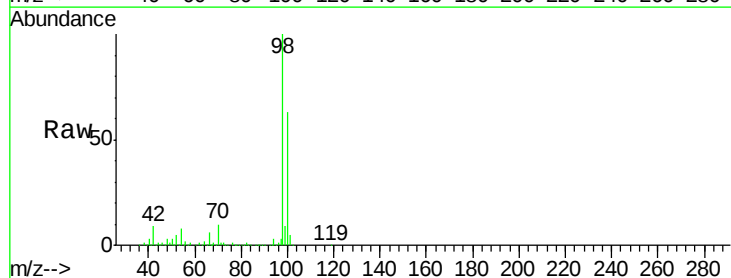
Acq: 24 Dec 2019 14:10

Tgt Ion: 98 Resp: 548498

Ion Ratio Lower Upper

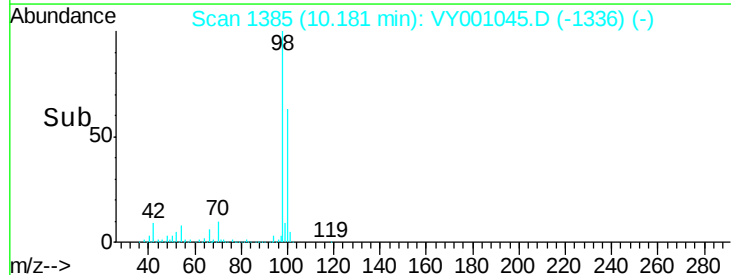
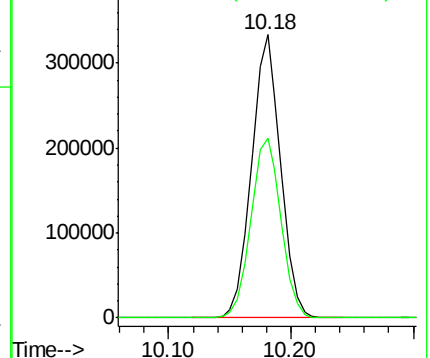
98 100

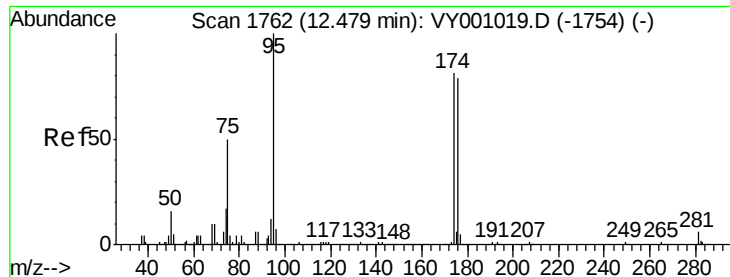
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

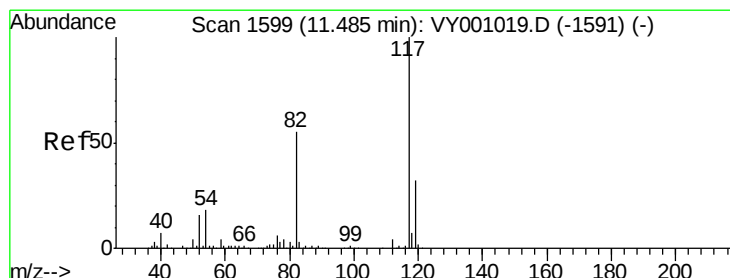
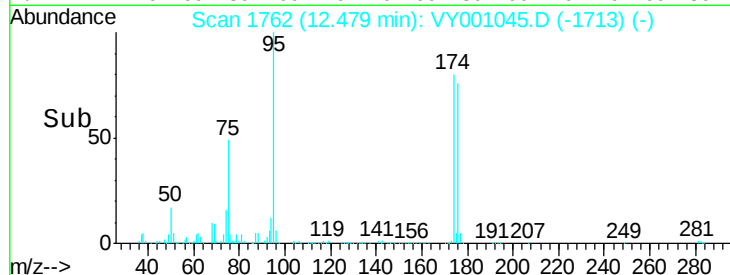
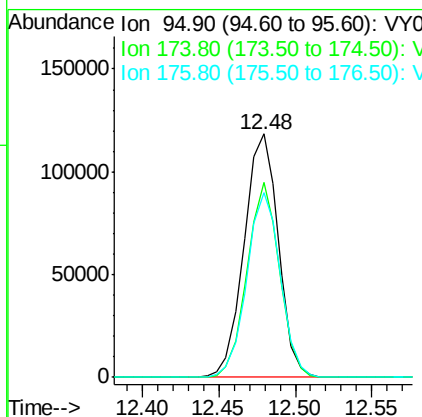
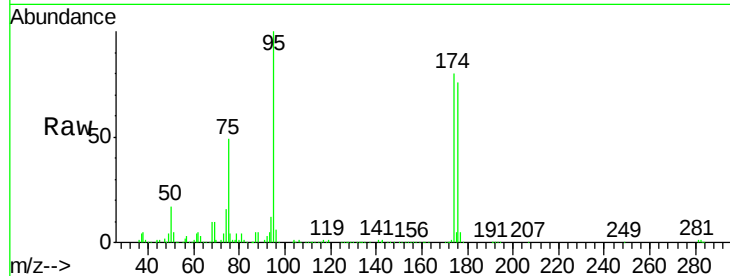




#62  
4-Bromofluorobenzene  
Concen: 47.860 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY001045.D  
Acq: 24 Dec 2019 14:10

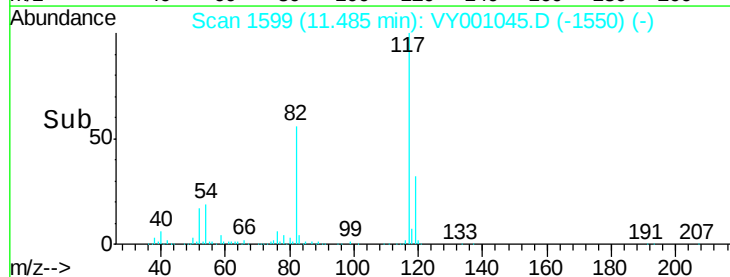
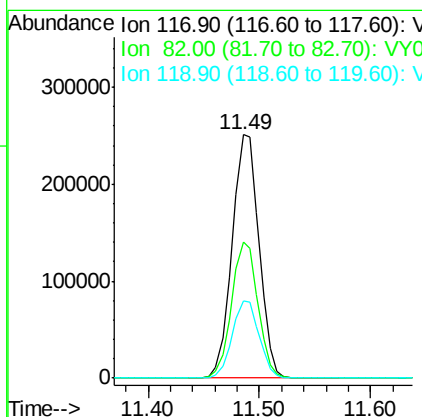
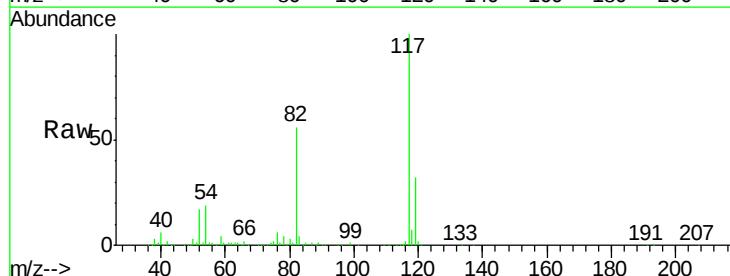
Instrument :  
MSVOA\_Y  
ClientSampleId :  
K005-AA-SB2

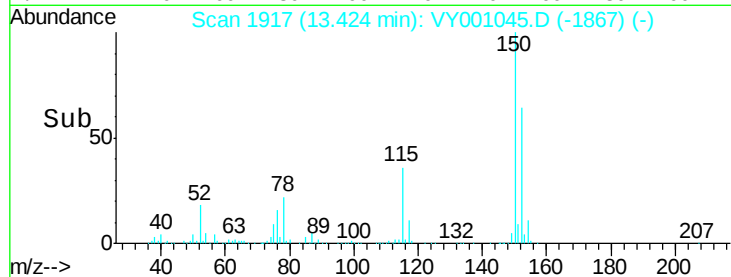
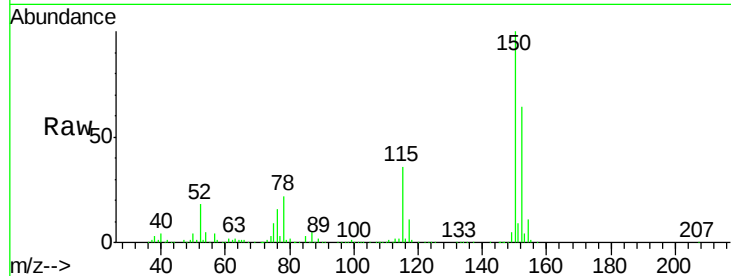
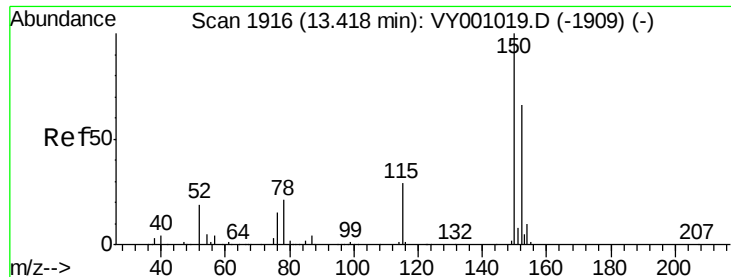
Tot Ion: 95 Resp: 183401  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 156.4  
176 74.8 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VY001045.D  
Acq: 24 Dec 2019 14:10

Tgt Ion: 117 Resp: 418790  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.8 65.8  
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.01 min  
Lab File: VY001045.D  
Acq: 24 Dec 2019 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
K005-AA-SB2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.3  | 29.8  | 89.3  |
| 150     | 156.5 | 0.0   | 352.6 |

