

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\  
 Data File : VT019062.D  
 Acq On : 9 May 2018 17:28  
 Operator : SY/MD  
 Sample : J2705-04  
 Misc : 5.02g/5mL/MSVOA T/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 EPE-MX-1(5-10)

Quant Time: May 09 18:18:32 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_T\METHODS\2015\82T050818S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 09 04:36:54 2018  
 Response via : Initial Calibration

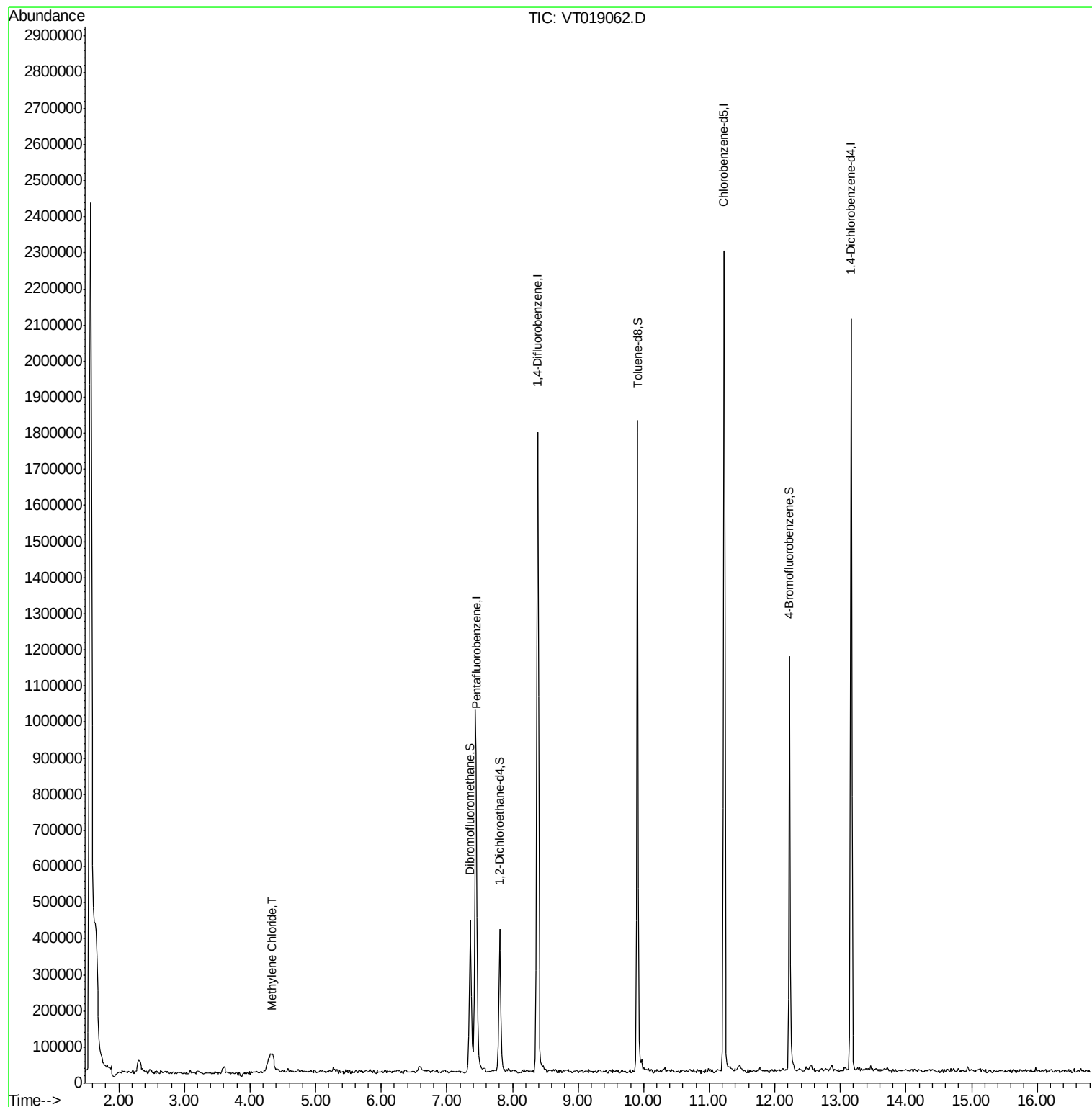
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.45  | 168  | 697296   | 50.00 | ug/l    | 0.01     |
| 33) 1,4-Difluorobenzene     | 8.38  | 114  | 1337572  | 50.00 | ug/l    | 0.00     |
| 62) Chlorobenzene-d5        | 11.22 | 117  | 1090547  | 50.00 | ug/l    | 0.00     |
| 71) 1,4-Dichlorobenzene-d4  | 13.16 | 152  | 417812   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 32) 1,2-Dichloroethane-d4   | 7.80  | 65   | 341880   | 51.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.30% |          |
| 34) Dibromofluoromethane    | 7.35  | 113  | 325600   | 43.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.94%  |          |
| 49) Toluene-d8              | 9.91  | 98   | 1259830  | 39.21 | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.42%  |          |
| 61) 4-Bromofluorobenzene    | 12.22 | 95   | 451715   | 37.34 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.68%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.32  | 84   | 75993m   | 10.04 | ug/l    | Qvalue   |

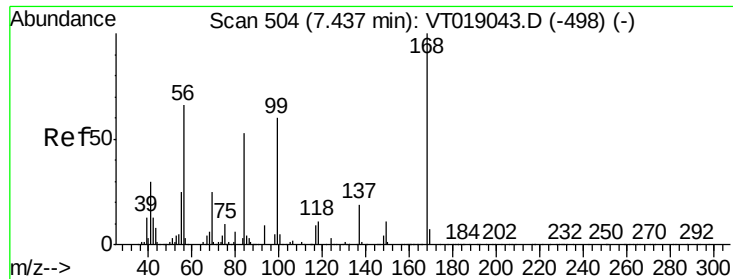
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EPE-MX-1(5-10)

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Quant Title : SW846 8260  
QLast Update : Wed May 09 04:36:54 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.01 min

Lab File: VT019062.D

Acq: 9 May 2018 17:28

Instrument :

MSVOA\_T

ClientSampleId :

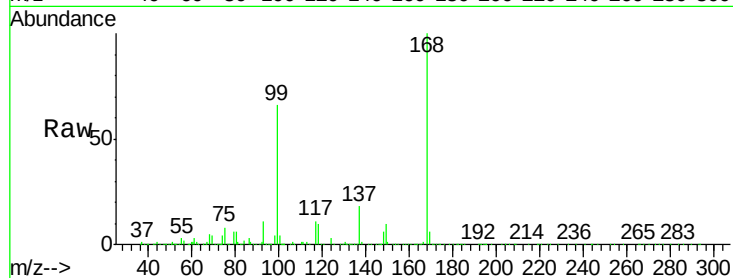
EPE-MX-1(5-10)

Tot Ion:168 Resp: 697296

Ion Ratio Lower Upper

168 100

99 66.4 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.45

300000

250000

200000

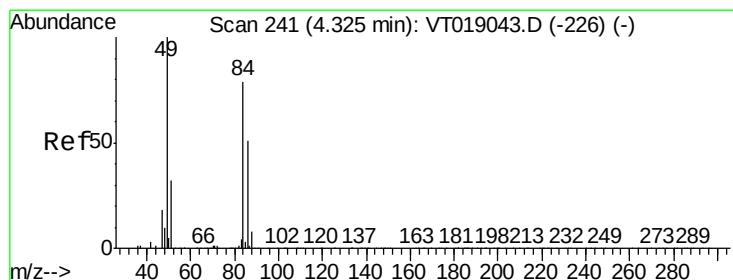
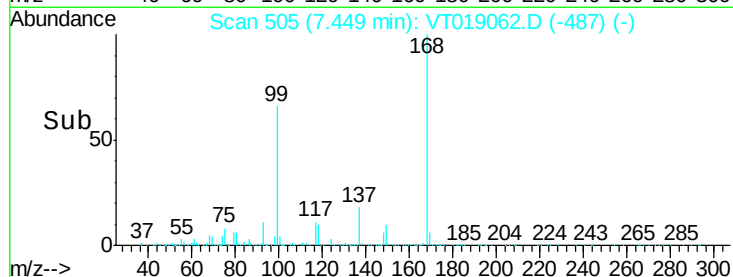
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 10.04 ug/l m

RT: 4.32 min Scan# 241

Delta R.T. -0.00 min

Lab File: VT019062.D

Acq: 9 May 2018 17:28

Tgt Ion: 84 Resp: 75993

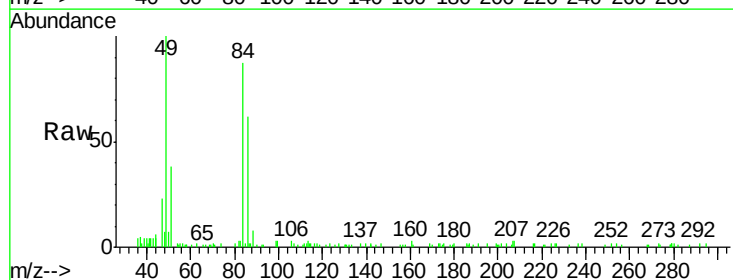
Ion Ratio Lower Upper

84 100

49 115.6 103.0 154.4

51 43.4 33.3 49.9

86 71.7 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VT0

Ion 49.10 (48.80 to 49.80): VT0

Ion 51.10 (50.80 to 51.80): VT0

Ion 86.00 (85.70 to 86.70): VT0

20000

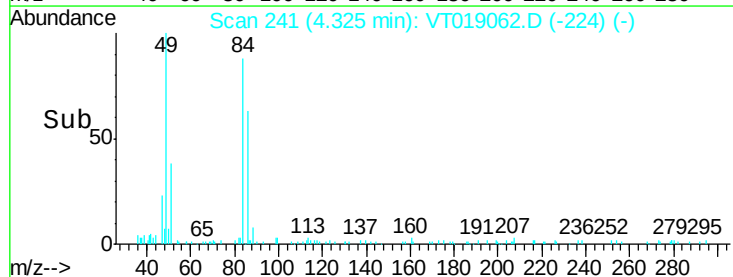
15000

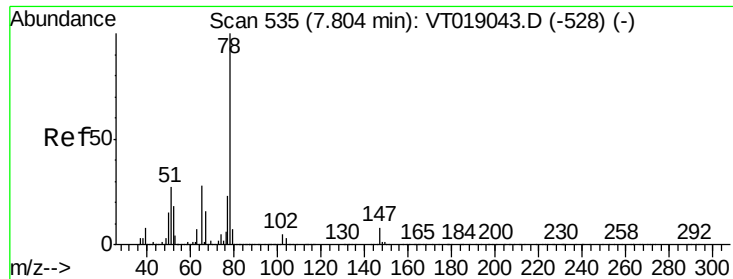
10000

5000

0

Time-->





#32

1,2-Dichloroethane-d4

Concen: 51.65 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019062.D

Acq: 9 May 2018 17:28

Instrument :

MSVOA\_T

ClientSampleId :

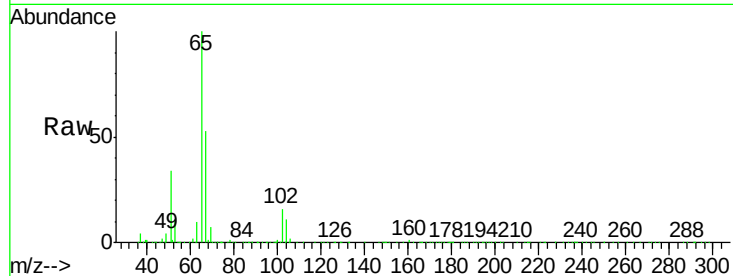
EPE-MX-1(5-10)

Tot Ion: 65 Resp: 341880

Ion Ratio Lower Upper

65 100

67 53.4 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

7.80

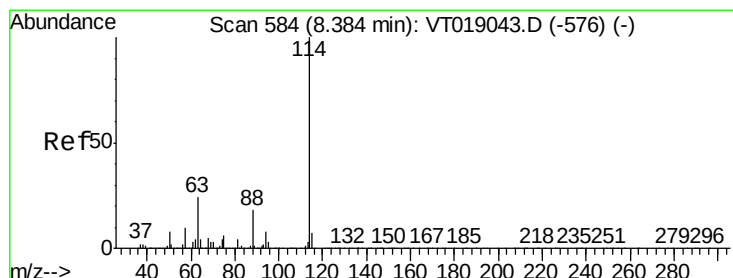
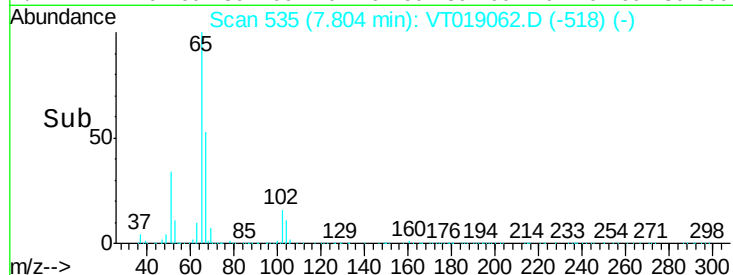
150000

100000

50000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.38 min Scan# 584

Delta R.T. -0.00 min

Lab File: VT019062.D

Acq: 9 May 2018 17:28

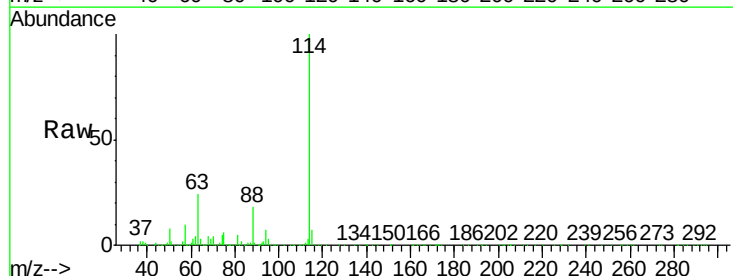
Tgt Ion: 114 Resp: 1337572

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.8

88 18.3 0.0 37.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0

1000000

800000

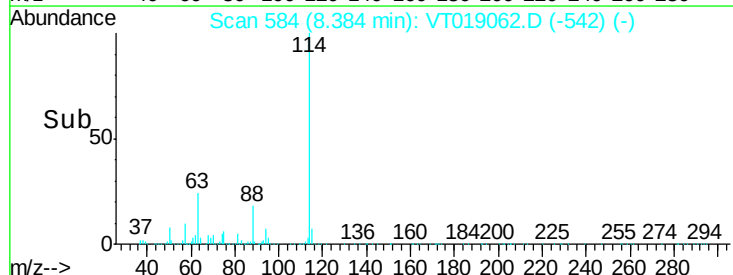
600000

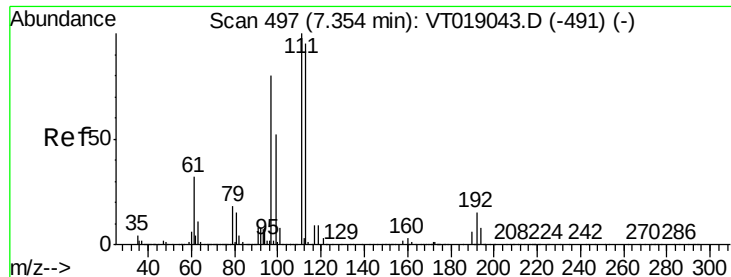
400000

200000

0

Time-->

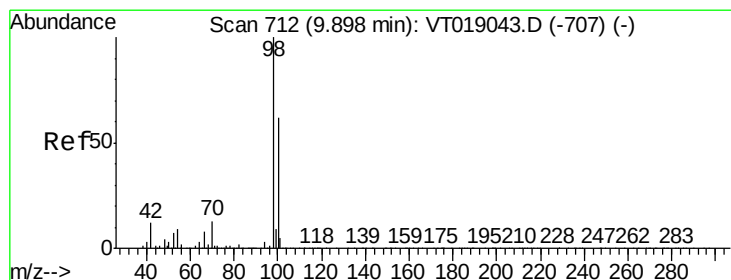
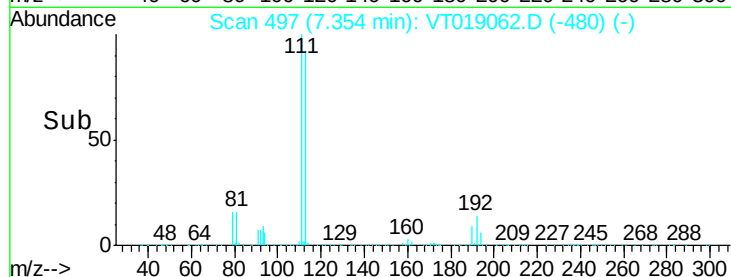
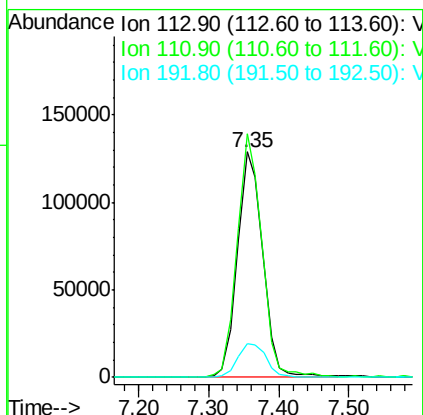
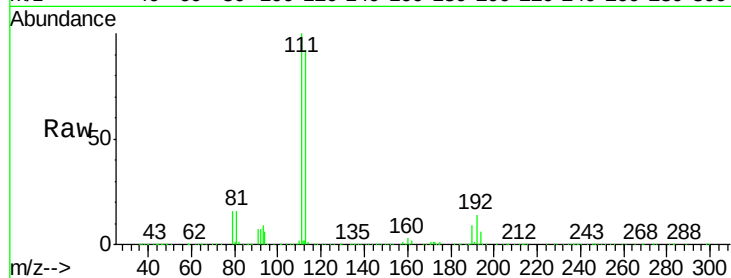




#34  
 Dibromofluoromethane  
 Concen: 43.47 ug/l  
 RT: 7.35 min Scan# 497  
 Delta R.T. -0.00 min  
 Lab File: VT019062.D  
 Acq: 9 May 2018 17:28

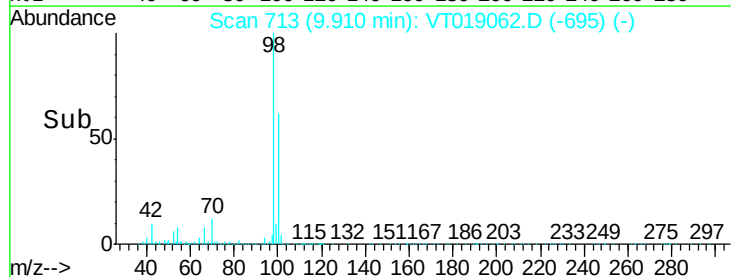
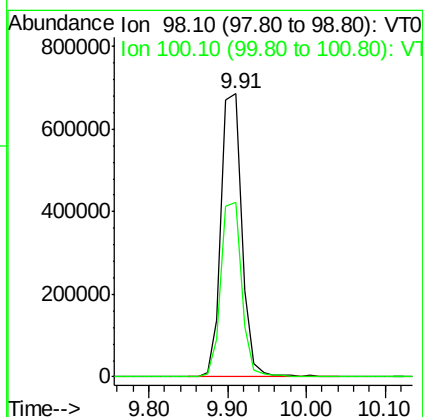
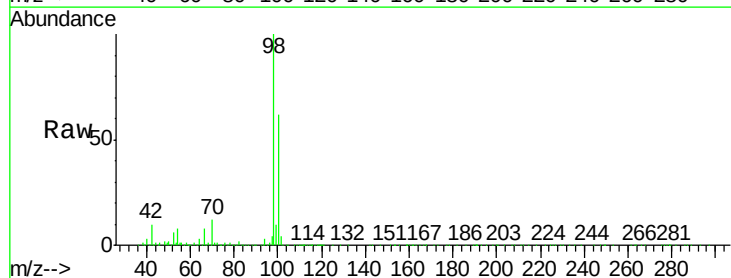
Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 EPE-MX-1(5-10)

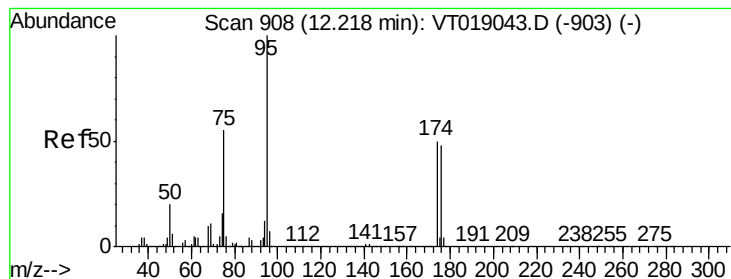
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 108.2 | 84.0  | 126.0 |
| 192     | 14.8  | 12.9  | 19.3  |



#49  
 Toluene-d8  
 Concen: 39.21 ug/l  
 RT: 9.91 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VT019062.D  
 Acq: 9 May 2018 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 61.5  | 50.0  | 75.0  |





#61

4-Bromofluorobenzene

Concen: 37.34 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019062.D

Acq: 9 May 2018 17:28

Instrument :

MSVOA\_T

ClientSampleId :

EPE-MX-1(5-10)

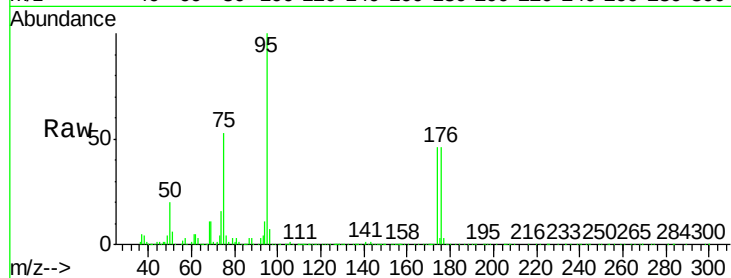
Tot Ion: 95 Resp: 451715

Ion Ratio Lower Upper

95 100

174 46.4 0.0 100.0

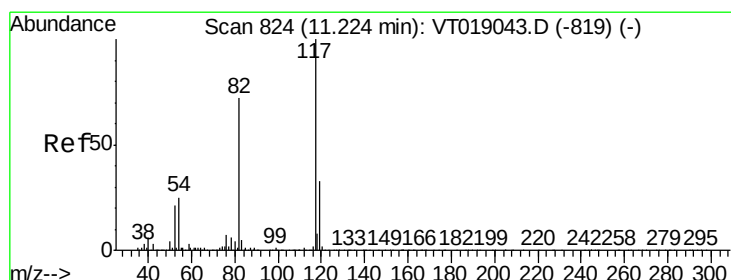
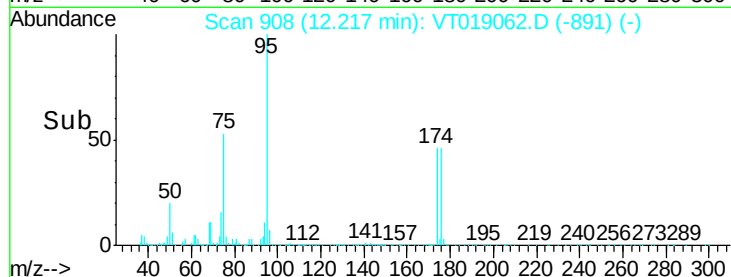
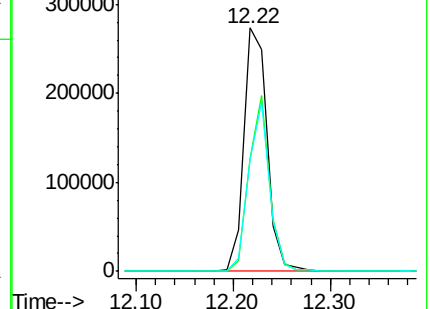
176 45.9 0.0 96.6



Abundance Ion 95.10 (94.80 to 95.80): VT0

Ion 174.00 (173.70 to 174.70): VT0

Ion 176.00 (175.70 to 176.70): VT0



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019062.D

Acq: 9 May 2018 17:28

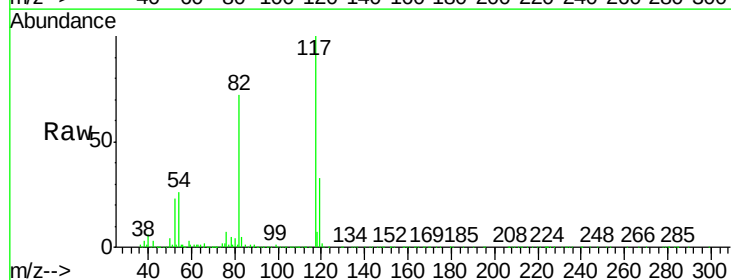
Tgt Ion: 117 Resp: 1090547

Ion Ratio Lower Upper

117 100

82 71.9 57.6 86.4

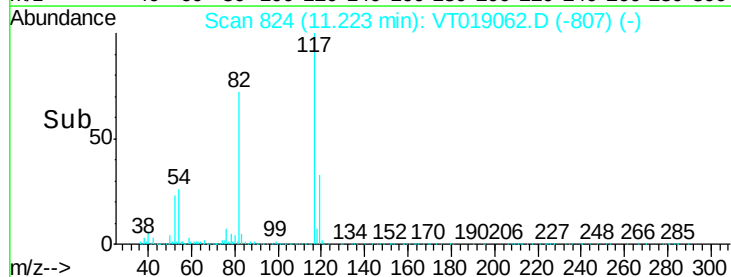
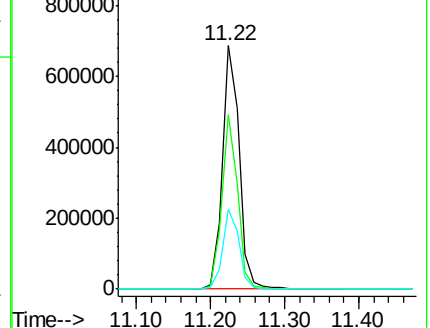
119 33.0 26.6 40.0

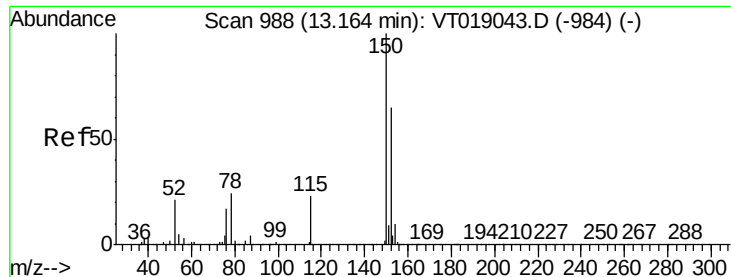


Abundance Ion 117.10 (116.80 to 117.80): VT0

Ion 82.10 (81.80 to 82.80): VT0

Ion 119.10 (118.80 to 119.80): VT0





#71  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.16 min Scan# 988  
 Delta R.T. -0.00 min  
 Lab File: VT019062.D  
 Acq: 9 May 2018 17:28

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 EPE-MX-1(5-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 73.5  | 34.2  | 102.6 |
| 150     | 161.8 | 0.0   | 321.2 |

