

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043019\  
 Data File : VX009242.D  
 Acq On : 30 Apr 2019 13:44  
 Operator : JC/SP  
 Sample : K2594-02DL 40X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021MW352-190423DL

Quant Time: May 01 02:10:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:03:50 2019  
 Response via : Initial Calibration

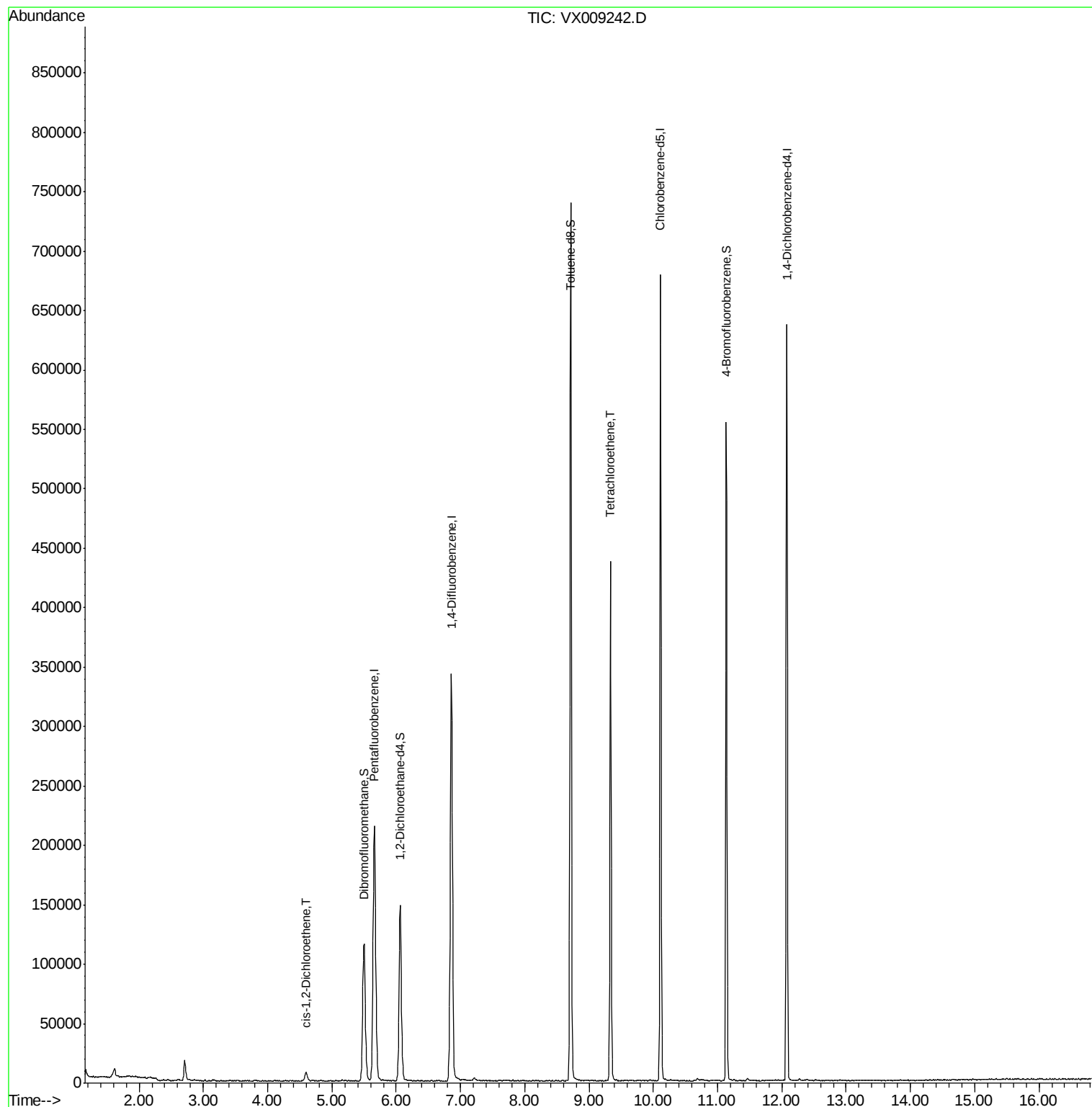
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 210185   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 342772   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 299266   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 130582   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 139684   | 48.68  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.36% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 99878    | 46.35  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.70% |          |
| 50) Toluene-d8              | 8.71  | 98   | 426017   | 48.97  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.94% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 142777   | 45.17  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.34% |          |
| Target Compounds            |       |      |          |        |        |          |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 4141     | 1.622  | ug/l   | 97       |
| 64) Tetrachloroethene       | 9.34  | 164  | 85828    | 41.810 | ug/l   | 99       |

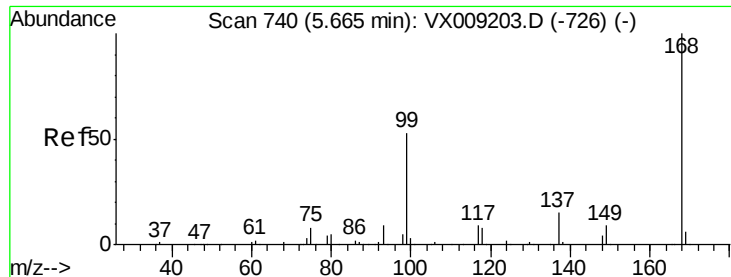
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:03:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA\_X

ClientSampleId :

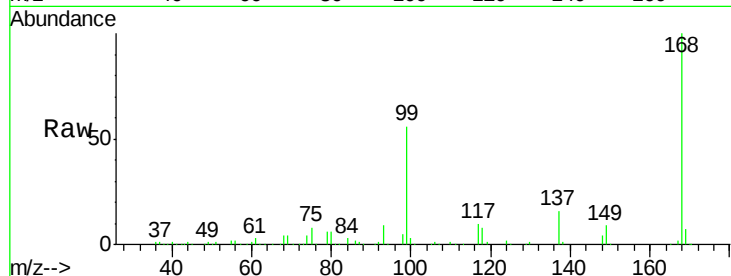
WP021MW352-190423DL

Tot Ion:168 Resp: 210185

Ion Ratio Lower Upper

168 100

99 56.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

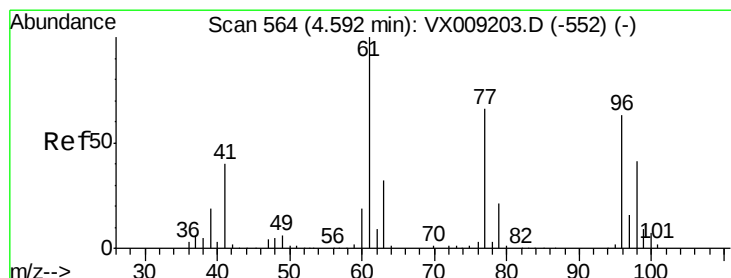
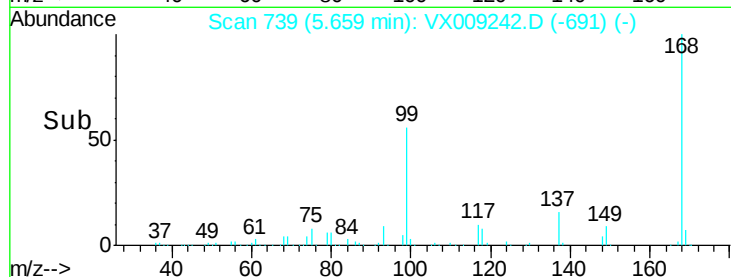
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 1.622 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

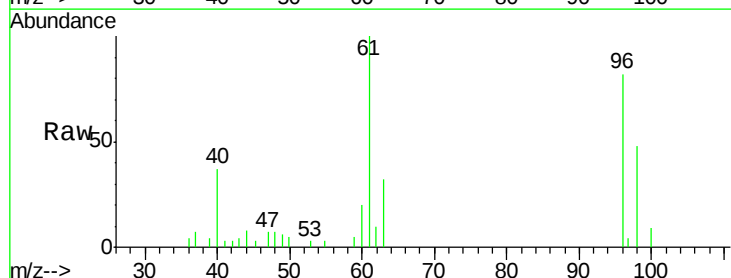
Tgt Ion: 96 Resp: 4141

Ion Ratio Lower Upper

96 100

61 159.8 0.0 324.0

98 68.9 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.59

3000

2500

2000

1500

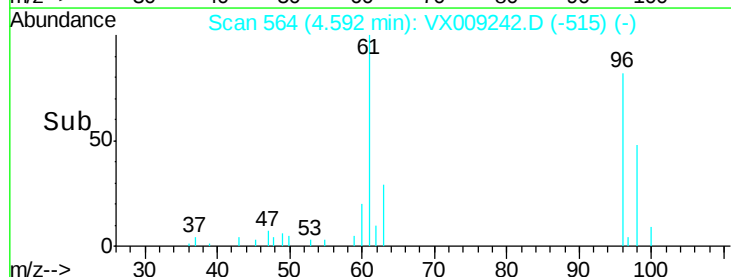
1000

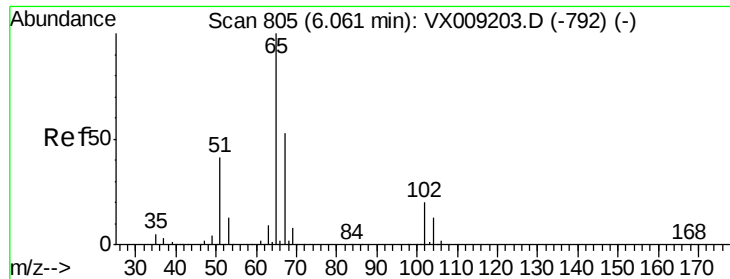
500

0

Time-->

4.50 4.55 4.60 4.65 4.70





#33

1,2-Dichloroethane-d4

Concen: 48.683 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA\_X

ClientSampleId :

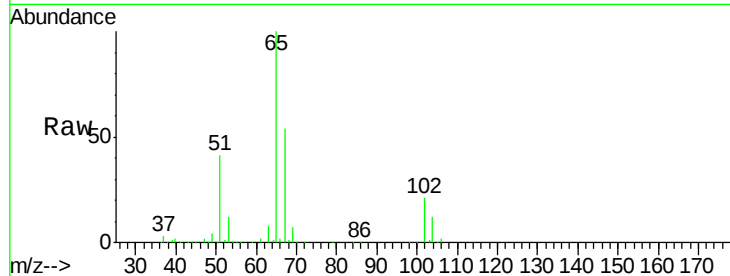
WP021MW352-190423DL

Tot Ion: 65 Resp: 139684

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

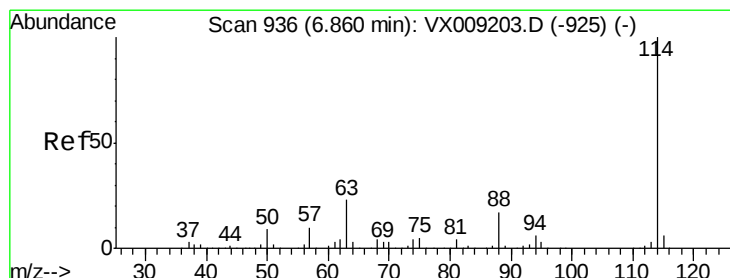
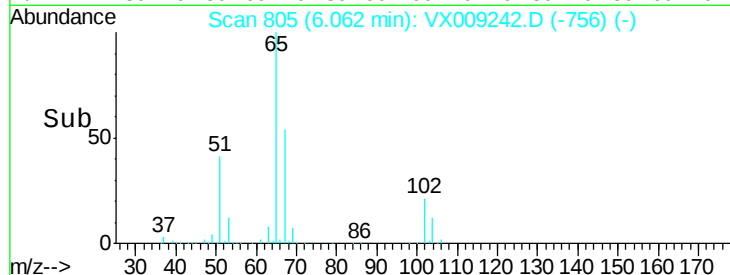
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

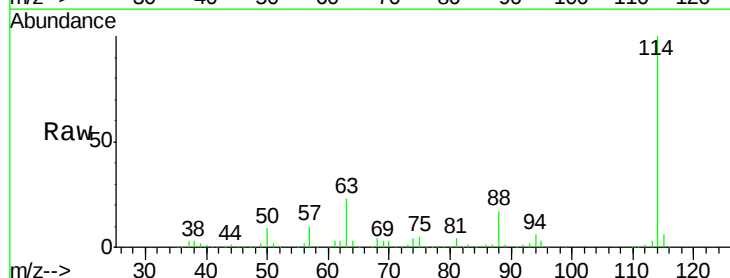
Tgt Ion: 114 Resp: 342772

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

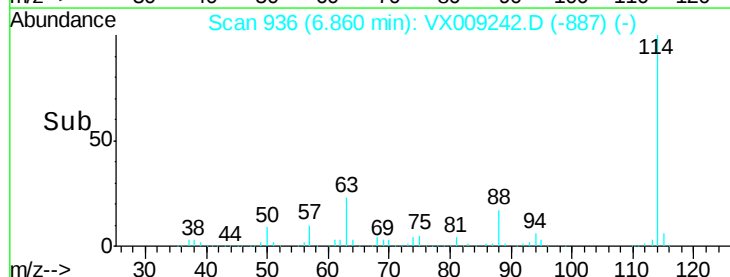
150000

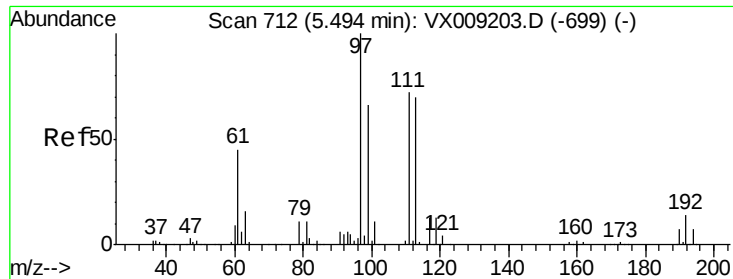
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

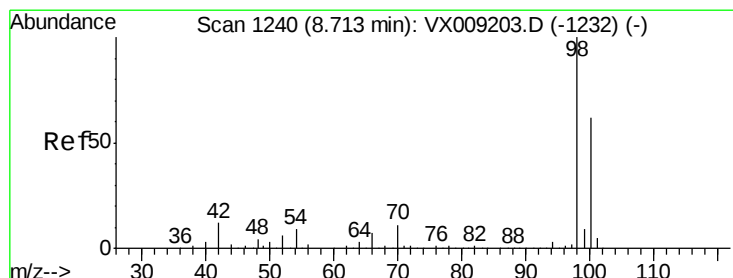
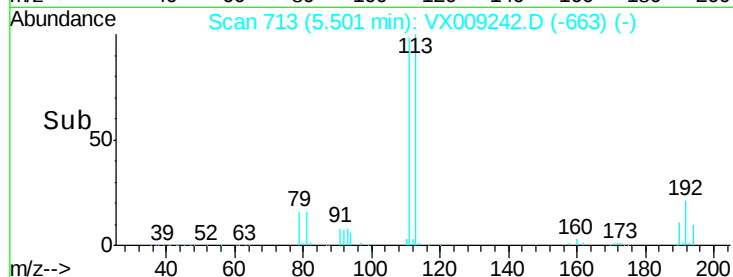
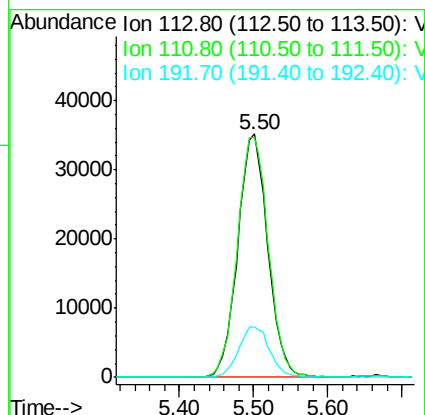
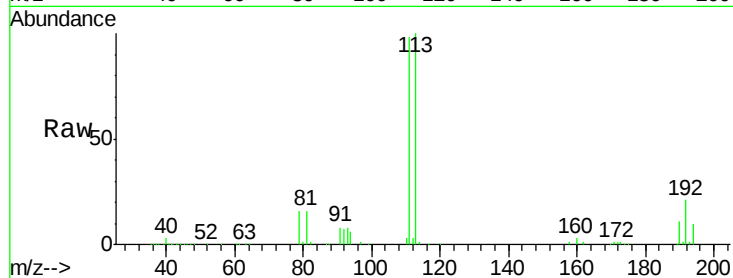




#35  
Dibromofluoromethane  
Concen: 46.351 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.01 min  
Lab File: VX009242.D  
Acq: 30 Apr 2019 13:44

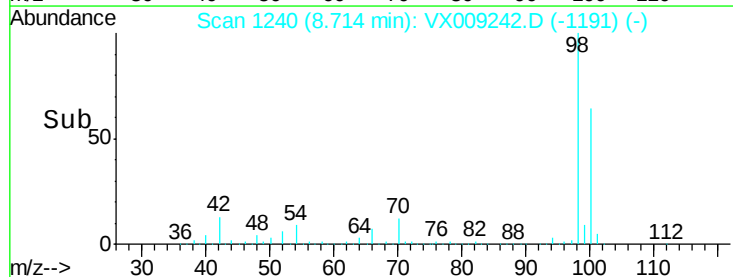
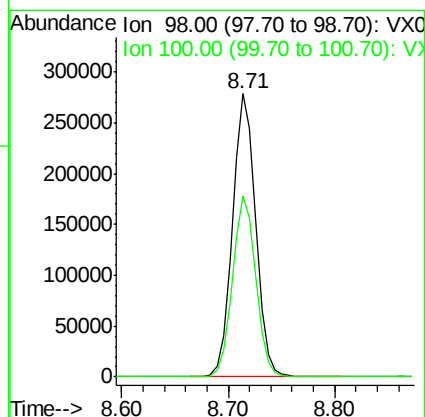
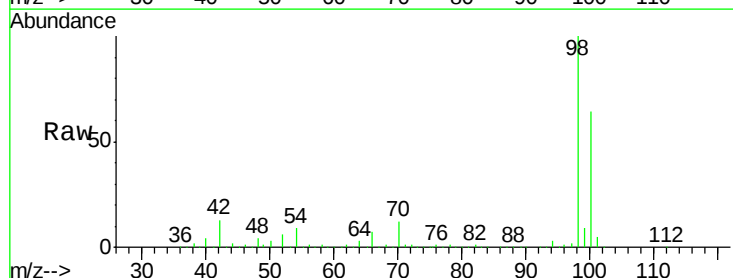
Instrument :  
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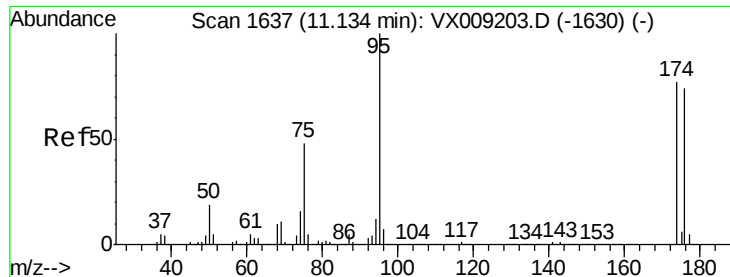
Tot Ion:113 Resp: 99878  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.8 124.2  
192 21.5 17.0 25.6



#50  
Toluene-d8  
Concen: 48.970 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009242.D  
Acq: 30 Apr 2019 13:44

Tgt Ion: 98 Resp: 426017  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 45.167 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

Instrument :

MSVOA\_X

ClientSampleId :

WP021MW352-190423DL

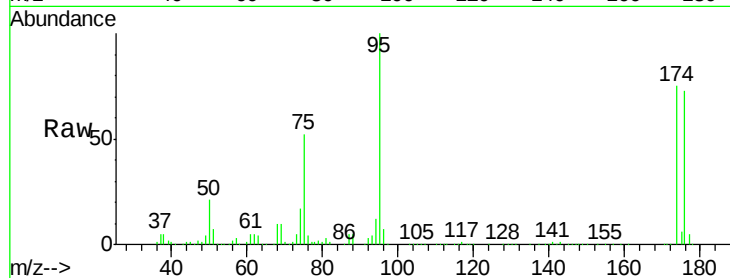
Tot Ion: 95 Resp: 142777

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

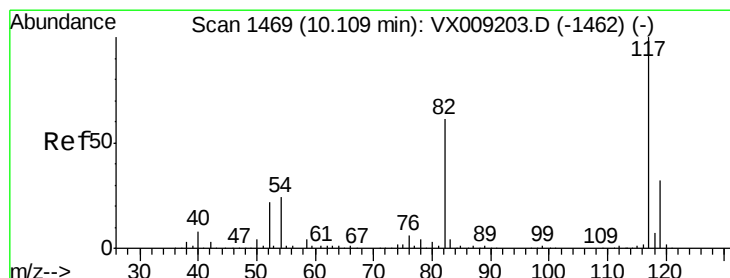
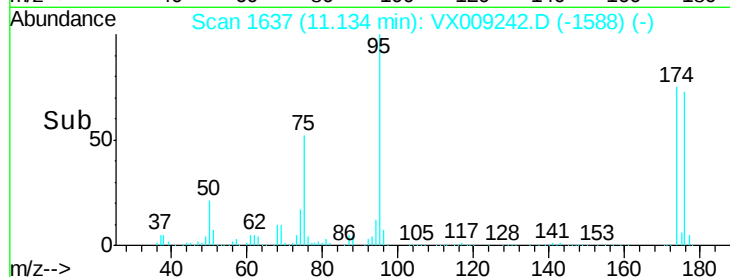
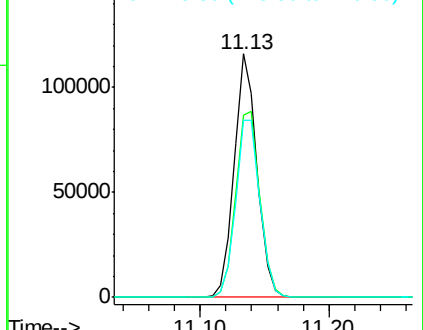
176 78.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009242.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009242.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009242.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009242.D

Acq: 30 Apr 2019 13:44

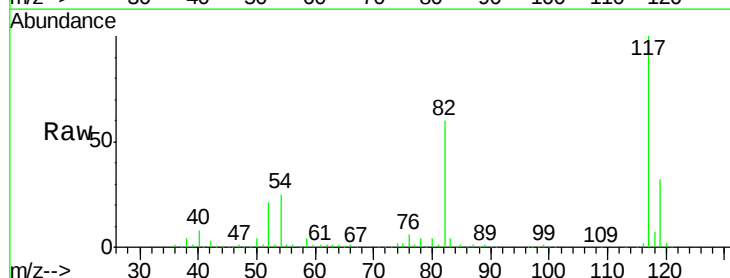
Tgt Ion: 117 Resp: 299266

Ion Ratio Lower Upper

117 100

82 59.7 48.8 73.2

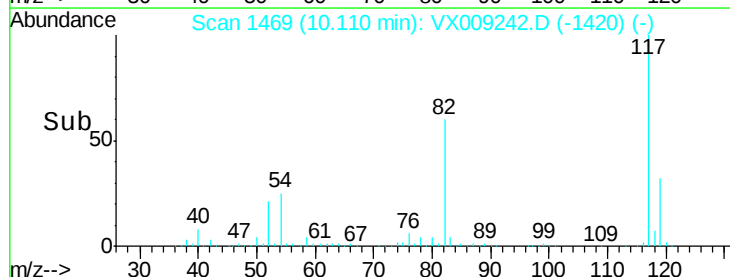
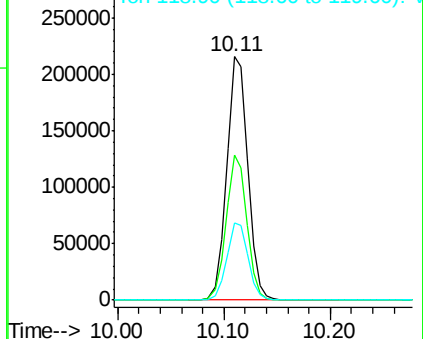
119 31.9 25.8 38.6

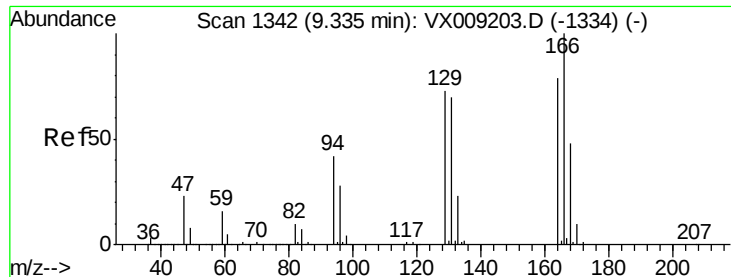


Abundance Ion 116.90 (116.60 to 117.60): VX009242.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009242.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009242.D (-1420) (-)

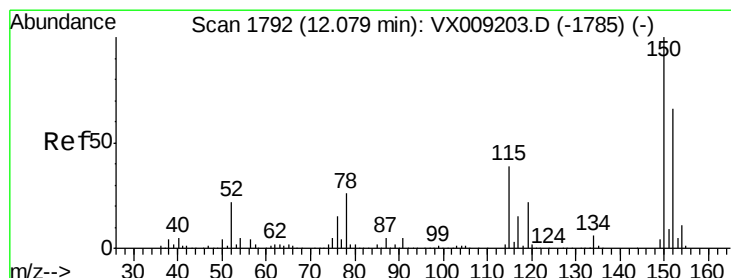
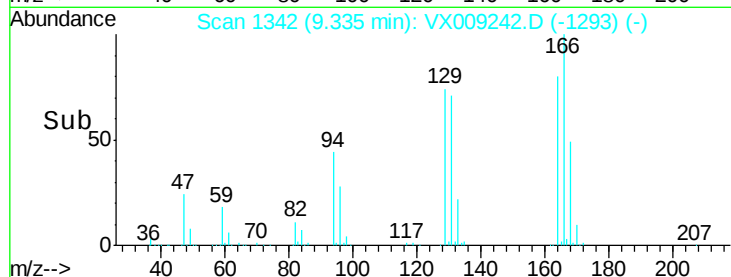
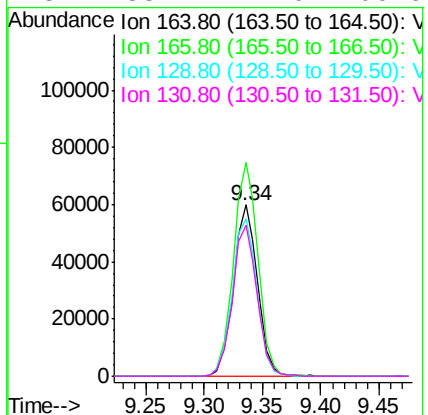
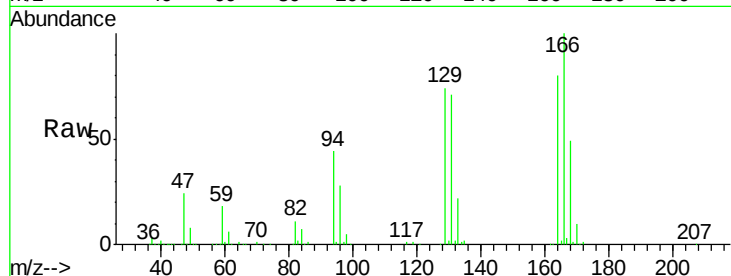




#64  
Tetrachloroethene  
Concen: 41.810 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX009242.D  
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Tot Ion:164 Resp: 85828  
Ion Ratio Lower Upper  
164 100  
166 124.7 101.2 151.8  
129 92.1 74.3 111.5  
131 88.4 71.0 106.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009242.D  
Acq: 30 Apr 2019 13:44

Tgt Ion:152 Resp: 130582  
Ion Ratio Lower Upper  
152 100  
115 59.3 41.2 123.6  
150 156.5 0.0 346.4

