

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\  
 Data File : VX015974.D  
 Acq On : 29 Apr 2020 14:09  
 Operator : JC/SP  
 Sample : L2406-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-4

Quant Time: Apr 30 08:05:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

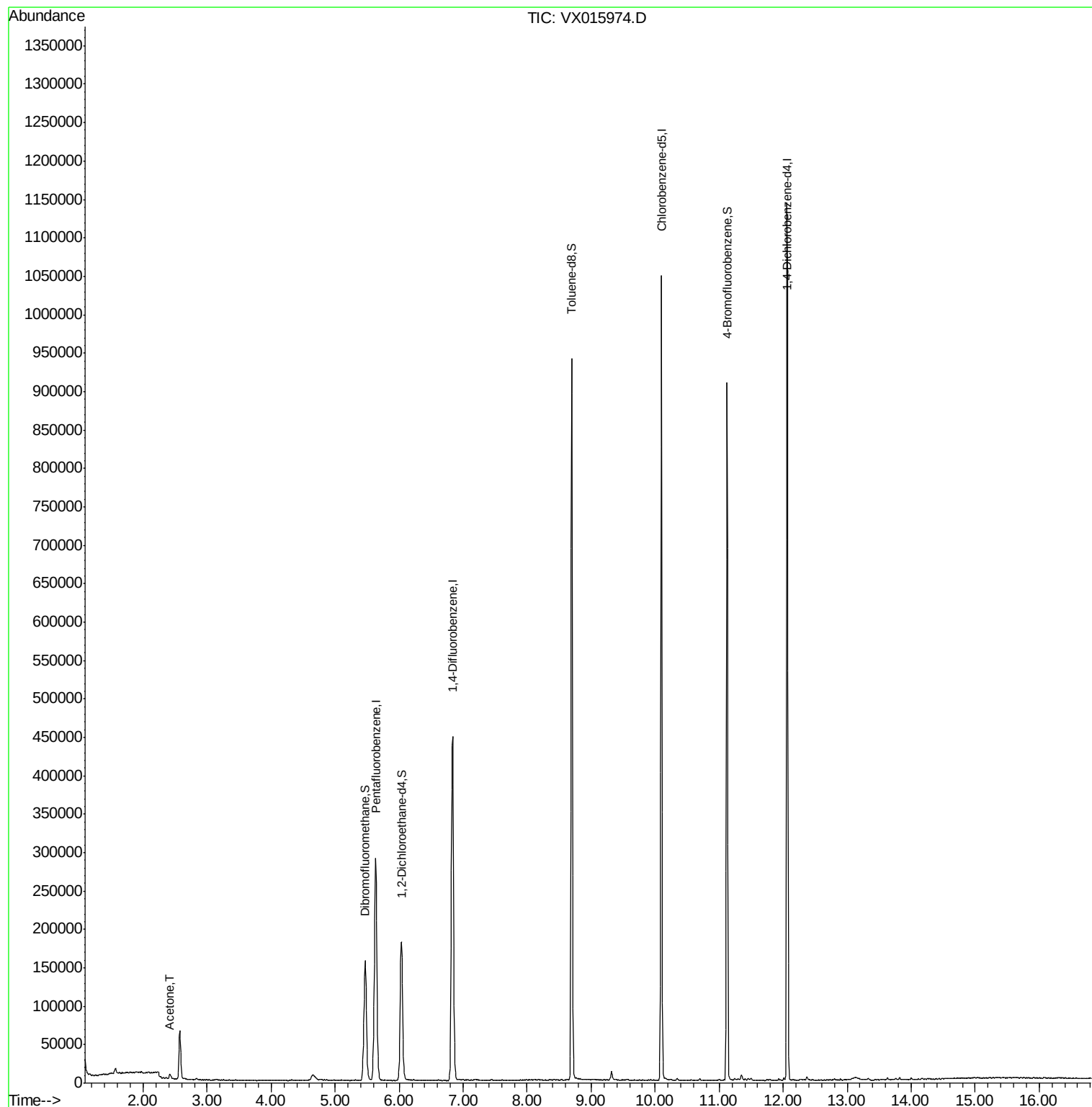
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 279516   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 450017   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 435542   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 229113   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 173875   | 47.58 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.16%  |           |
| 35) Dibromofluoromethane    | 5.47  | 113  | 132751   | 47.29 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.58%  |           |
| 50) Toluene-d8              | 8.70  | 98   | 544837   | 51.91 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.82% |           |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 221150   | 53.72 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.44% |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.42  | 43   | 6405     | 4.099 | ug/l    | Qvalue 96 |

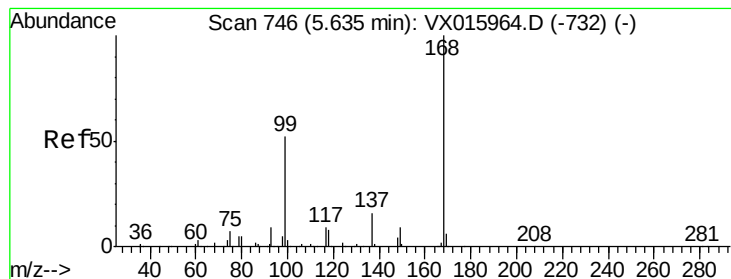
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Apr 28 17:30:11 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA\_X

ClientSampleId :

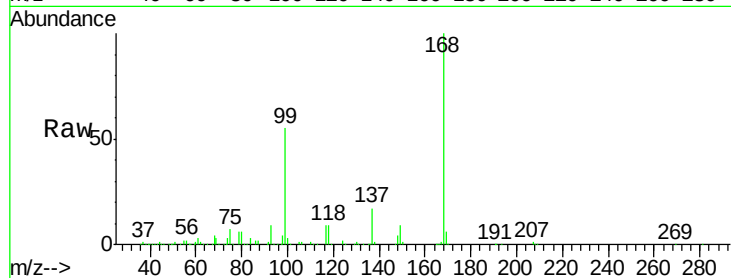
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 279516

Ion Ratio Lower Upper

168 100

99 55.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

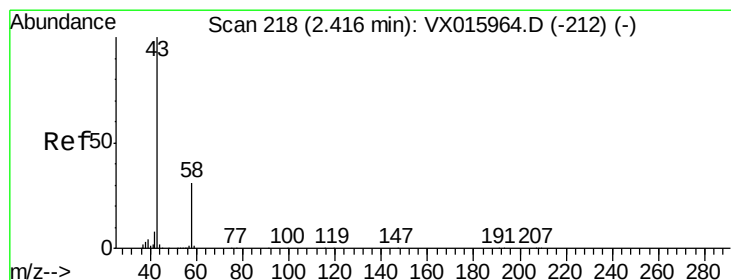
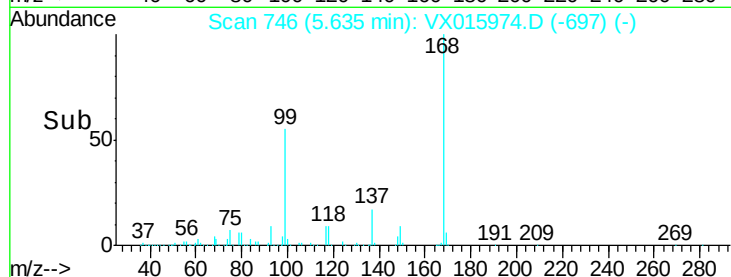
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 4.099 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX015974.D

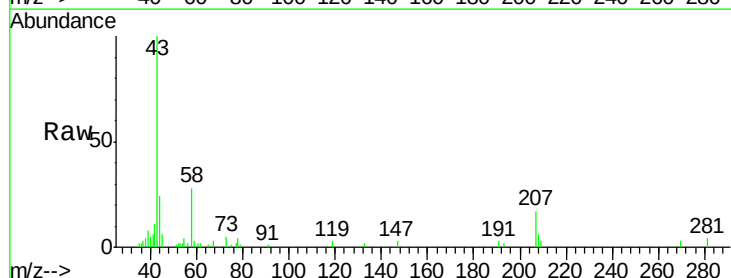
Acq: 29 Apr 2020 14:09

Tgt Ion: 43 Resp: 6405

Ion Ratio Lower Upper

43 100

58 29.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

4000

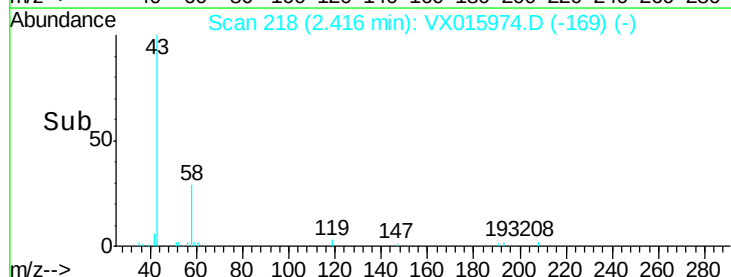
3000

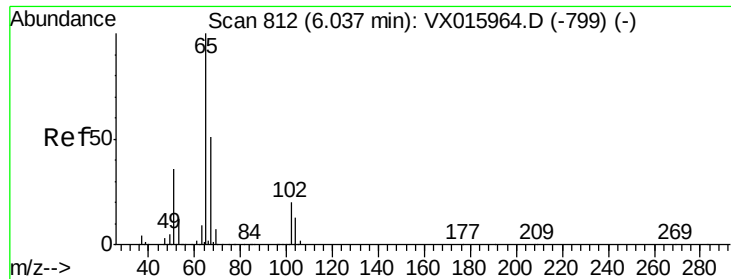
2000

1000

0

Time-->

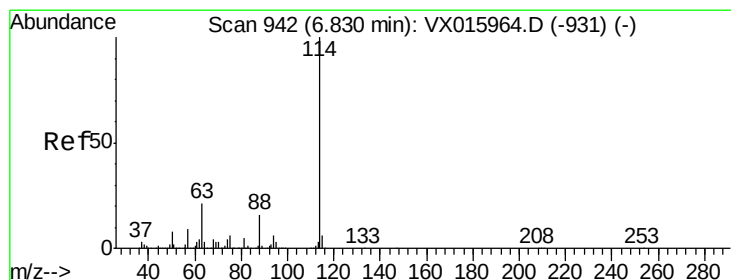
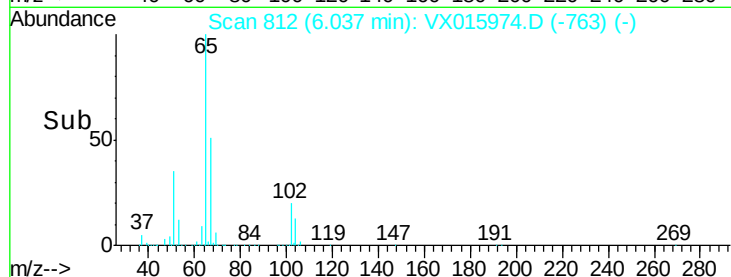
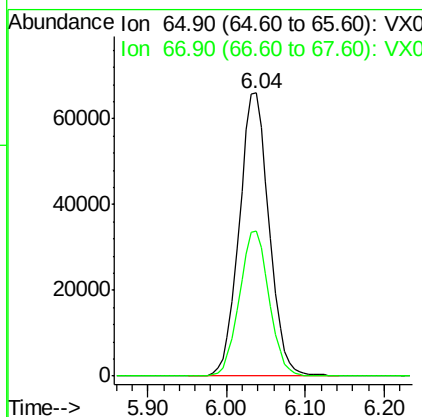
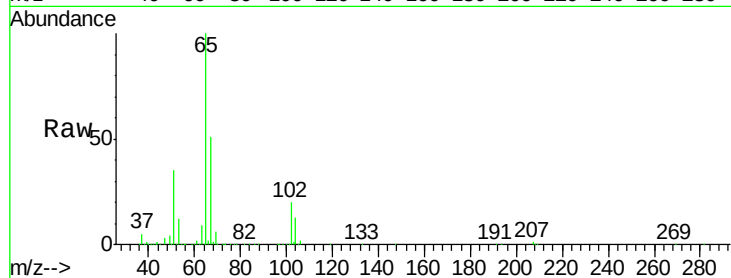




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.577 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.00 min  
 Lab File: VX015974.D  
 Acq: 29 Apr 2020 14:09

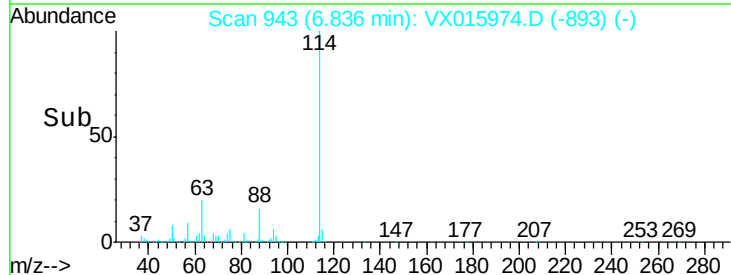
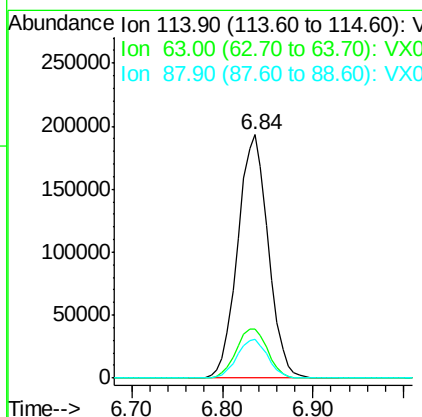
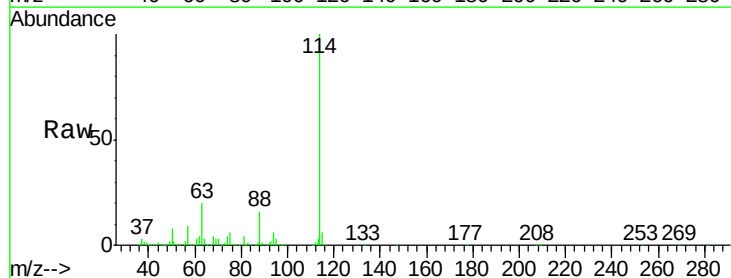
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-4

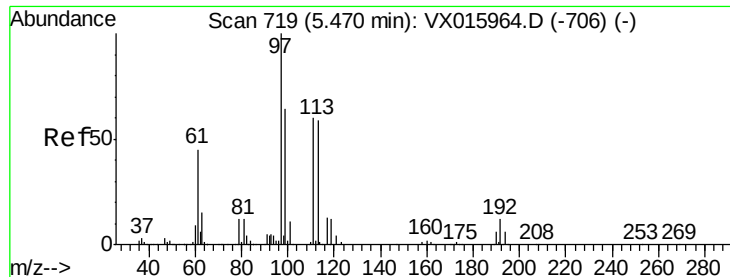
Tot Ion: 65 Resp: 173875  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX015974.D  
 Acq: 29 Apr 2020 14:09

Tgt Ion: 114 Resp: 450017  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 41.2  
 88 16.0 0.0 31.8

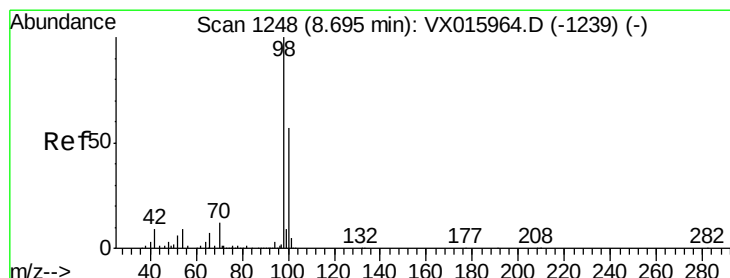
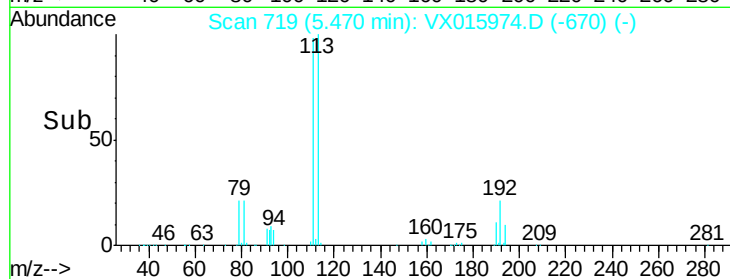
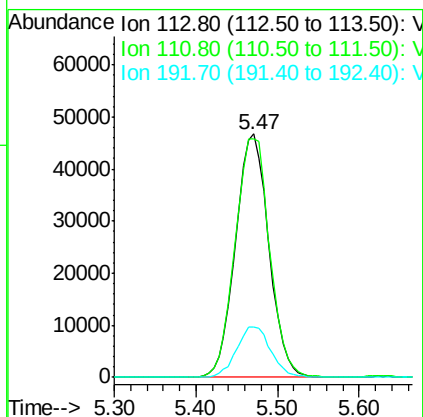
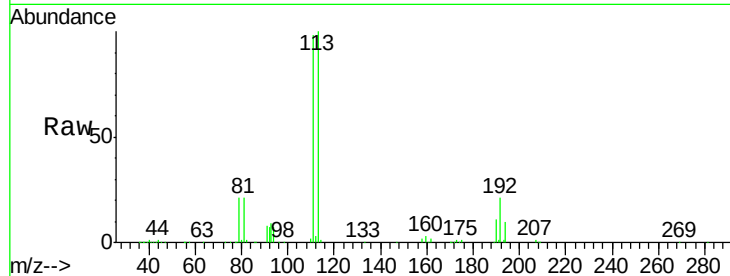




#35  
 Dibromofluoromethane  
 Concen: 47.289 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. 0.00 min  
 Lab File: VX015974.D  
 Acq: 29 Apr 2020 14:09

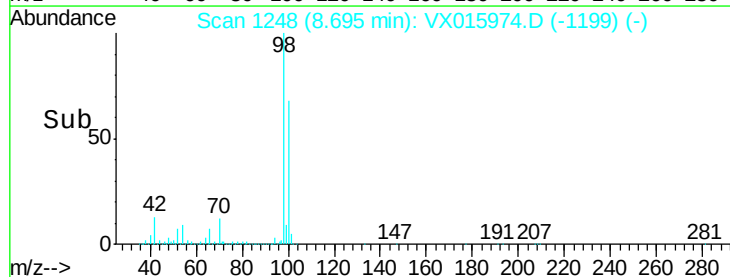
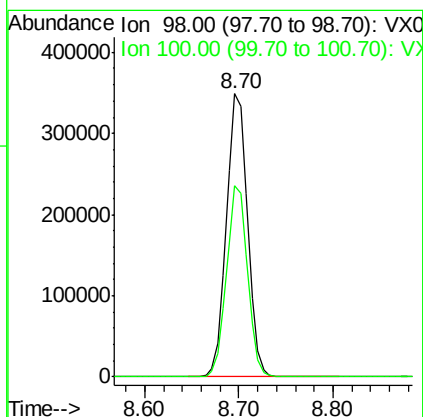
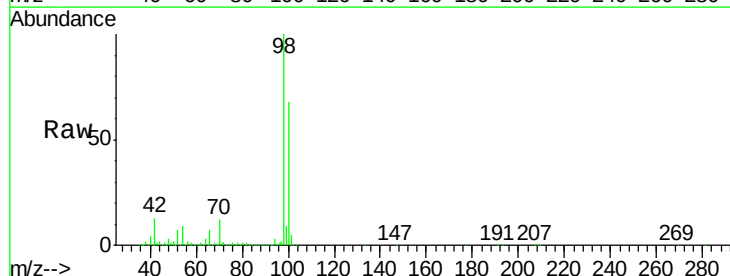
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-4

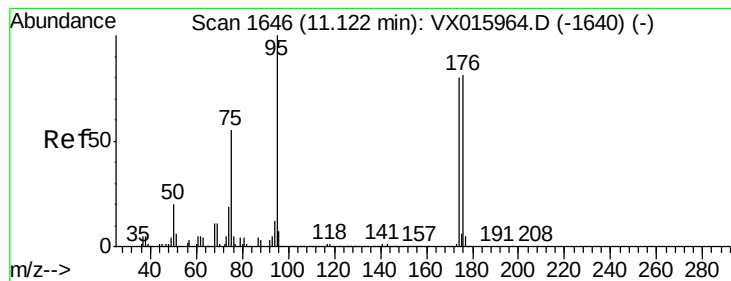
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 81.8  | 122.8 |
| 192     | 21.3  | 16.8  | 25.2  |



#50  
 Toluene-d8  
 Concen: 51.909 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. 0.00 min  
 Lab File: VX015974.D  
 Acq: 29 Apr 2020 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.0  | 53.1  | 79.7  |





#62

4-Bromofluorobenzene

Concen: 53.721 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

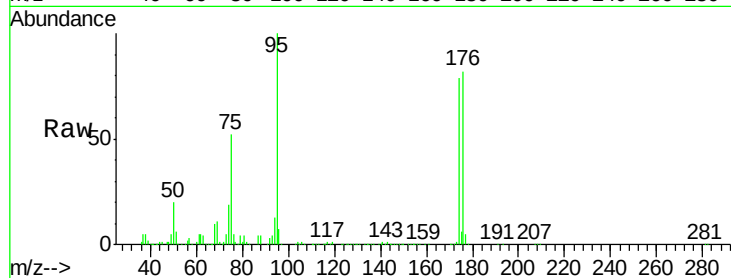
Tot Ion: 95 Resp: 221150

Ion Ratio Lower Upper

95 100

174 81.5 0.0 165.0

176 79.5 0.0 163.2



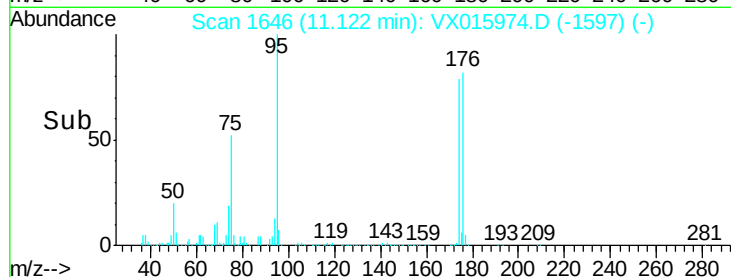
Abundance Ion 94.90 (94.60 to 95.60): VX015964.D (-1640) (-)

Ion 173.80 (173.50 to 174.50): VX015964.D (-1640) (-)

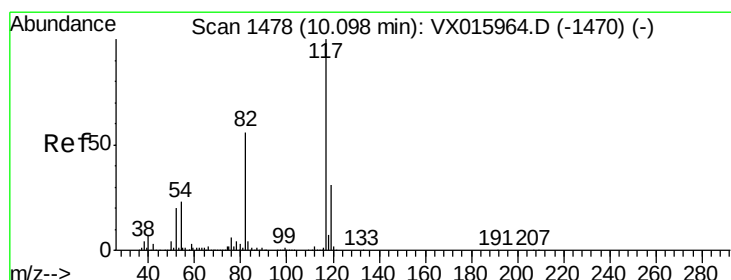
Ion 175.80 (175.50 to 176.50): VX015964.D (-1640) (-)

11.12

11.10 11.20



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

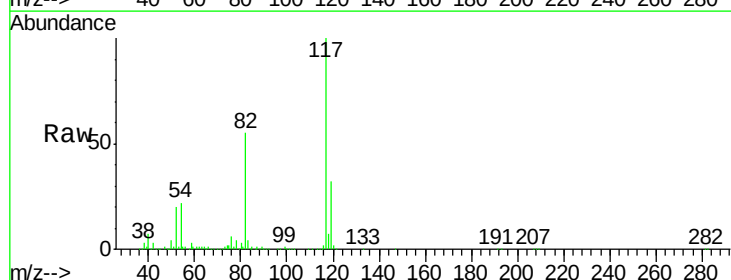
Tgt Ion: 117 Resp: 435542

Ion Ratio Lower Upper

117 100

82 55.0 44.5 66.7

119 32.3 25.0 37.6



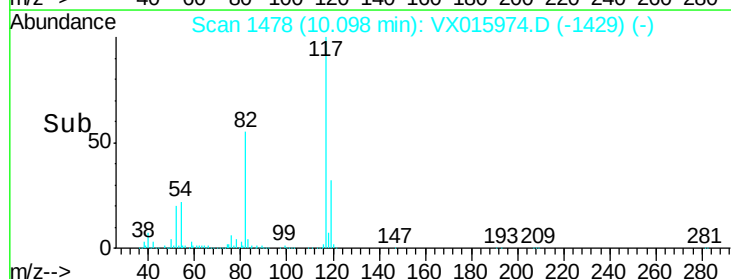
Abundance Ion 116.90 (116.60 to 117.60): VX015964.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX015964.D (-1470) (-)

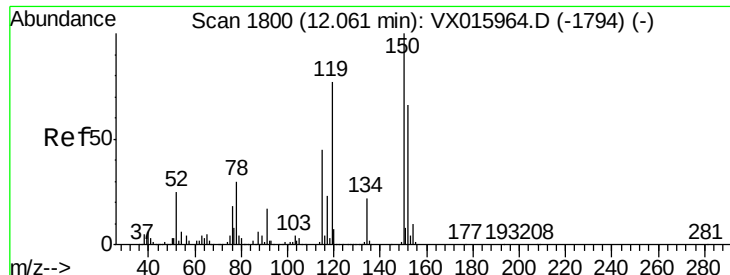
Ion 118.90 (118.60 to 119.60): VX015964.D (-1470) (-)

10.10

10.00 10.20 10.30



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

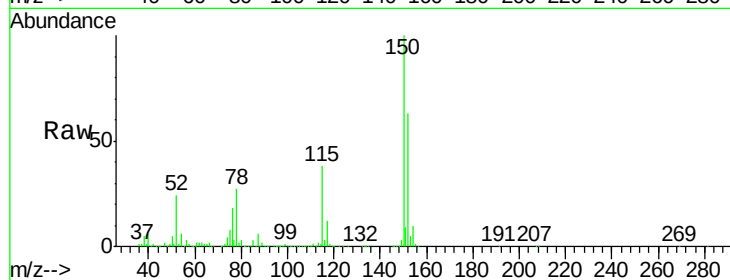
Tot Ion:152 Resp: 229113

Ion Ratio Lower Upper

152 100

115 57.9 40.9 122.7

150 156.2 0.0 342.4



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

