

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\  
 Data File : VX005436.D  
 Acq On : 18 Oct 2018 17:57  
 Operator : JC/MD  
 Sample : J5536-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 351-SOIL

Quant Time: Oct 19 03:34:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 308064   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 461027   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 391070   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 189800   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 175059   | 51.20 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.40% |       |
| 35) Dibromofluoromethane  | 5.50   | 113 | 142254   | 46.59 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.18%  |       |
| 50) Toluene-d8            | 8.71   | 98  | 521934   | 49.79 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.58%  |       |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 173613   | 44.09 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.18%  |       |

## Target Compounds

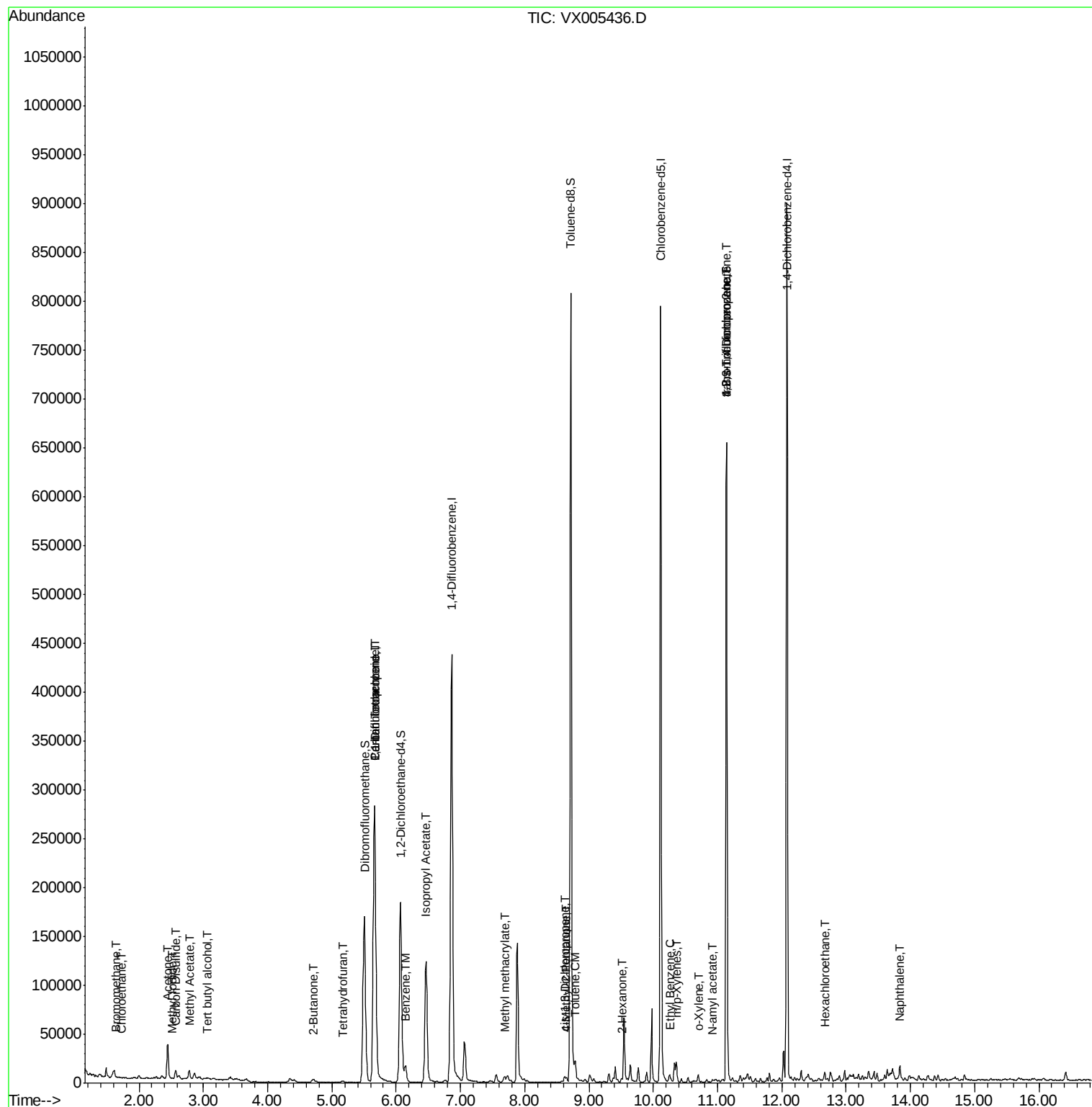
|                                |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 5) Bromomethane                | 1.64  | 94  | 329    | 0.747     | ug/l # | 74  |
| 6) Chloroethane                | 1.72  | 64  | 92     | 0.375     | ug/l # | 44  |
| 10) Methyl Iodide              | 2.51  | 142 | 96     | 2.519     | ug/l # | 41  |
| 11) Tert butyl alcohol         | 3.06  | 59  | 1948   | 2.020     | ug/l # | 77  |
| 13) Acrolein                   | 2.29  | 56  | 247    | Below Cal | #      | 16  |
| 16) Acetone                    | 2.45  | 43  | 38185  | 19.316    | ug/l   | 95  |
| 17) Carbon Disulfide           | 2.57  | 76  | 10669  | 1.305     | ug/l   | 99  |
| 18) Methyl Acetate             | 2.78  | 43  | 9703   | 1.725     | ug/l   | 94  |
| 20) Methylene Chloride         | 2.86  | 84  | 2778   | Below Cal |        | 94  |
| 25) 2-Butanone                 | 4.71  | 43  | 6632   | 2.293     | ug/l   | 89  |
| 29) Tetrahydrofuran            | 5.18  | 42  | 1573   | 0.853     | ug/l   | 94  |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 20223  | 4.529     | ug/l # | 50  |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 26927  | 6.002     | ug/l # | 14  |
| 40) Benzene                    | 6.15  | 78  | 18954  | 1.415     | ug/l   | 95  |
| 43) Isopropyl Acetate          | 6.46  | 43  | 168833 | 22.072    | ug/l   | 99  |
| 44) Trichloroethene            | 7.21  | 130 | 22     | Below Cal |        | 4   |
| 48) Methyl methacrylate        | 7.69  | 41  | 6454   | 1.627     | ug/l # | 22  |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43  | 2412   | 0.455     | ug/l # | 78  |
| 52) Toluene                    | 8.78  | 92  | 4309   | 0.588     | ug/l   | 93  |
| 54) cis-1,3-Dichloropropene    | 8.62  | 75  | 1054   | 0.224     | ug/l # | 57  |
| 59) 2-Hexanone                 | 9.51  | 43  | 1207   | 0.283     | ug/l   | 100 |
| 67) Ethyl Benzene              | 10.26 | 91  | 3896   | 0.288     | ug/l   | 99  |
| 68) m/p-Xylenes                | 10.36 | 106 | 4597   | 0.876     | ug/l   | 100 |
| 69) o-Xylene                   | 10.70 | 106 | 1388   | 0.274     | ug/l   | 99  |
| 74) N-amyl acetate             | 10.93 | 43  | 1710   | 0.314     | ug/l # | 73  |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 82511  | 22.412    | ug/l # | 37  |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 82511  | 68.098    | ug/l # | 10  |
| 90) Hexachloroethane           | 12.67 | 117 | 439    | 0.243     | ug/l # | 3   |
| 95) Naphthalene                | 13.83 | 128 | 9023   | 0.689     | ug/l # | 93  |

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

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QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampleId :

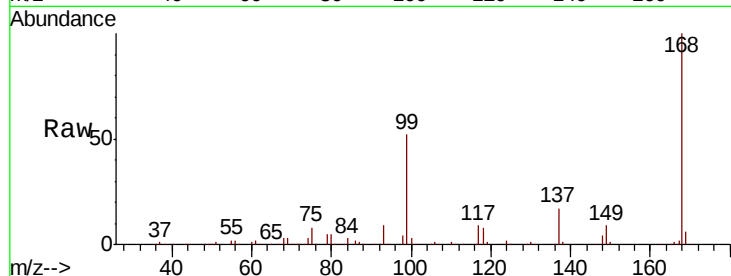
351-SOIL

Tot Ion:168 Resp: 308064

Ion Ratio Lower Upper

168 100

99 51.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

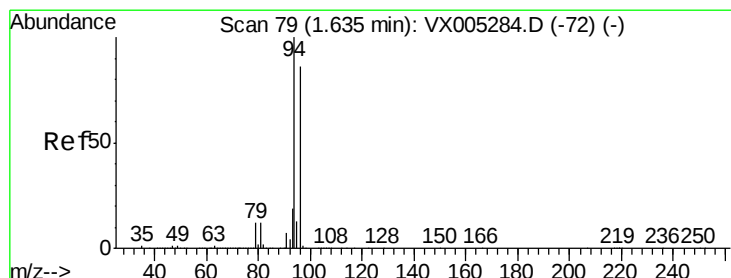
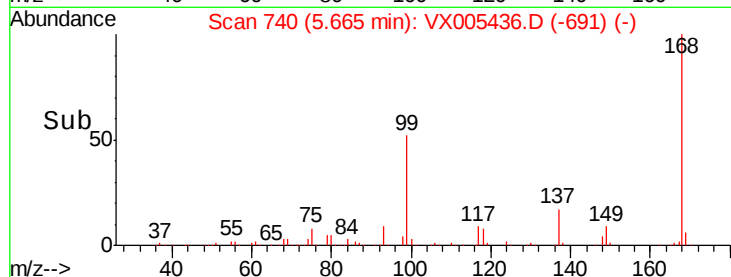
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.747 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005436.D

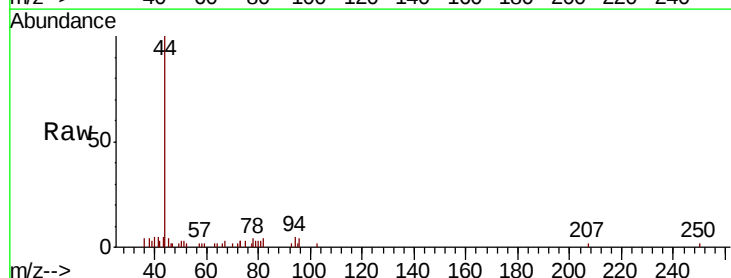
Acq: 18 Oct 2018 17:57

Tgt Ion: 94 Resp: 329

Ion Ratio Lower Upper

94 100

96 67.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

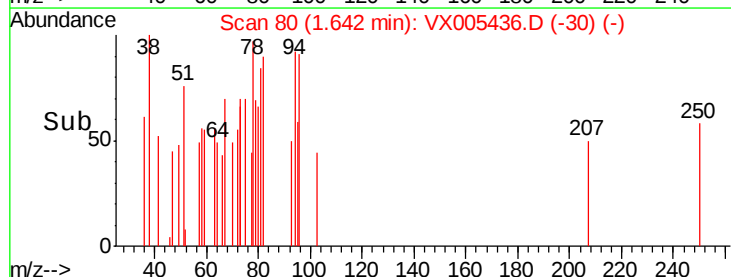
150

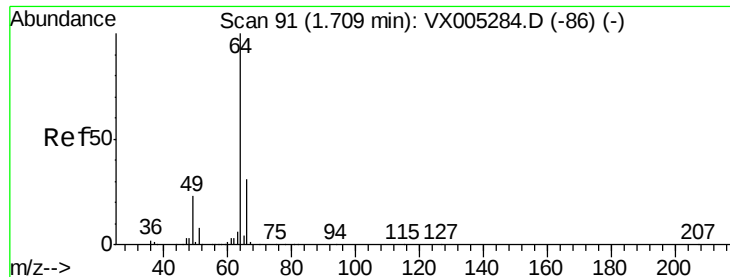
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.375 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

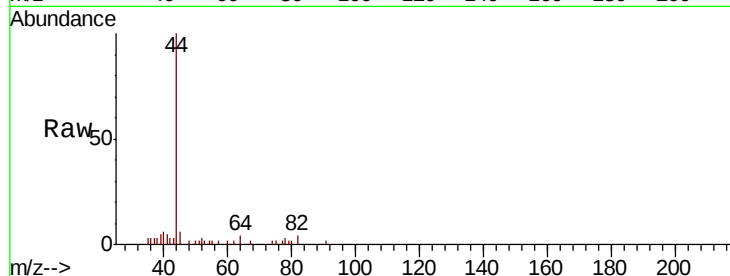
351-SOIL

Tot Ion: 64 Resp: 92

Ion Ratio Lower Upper

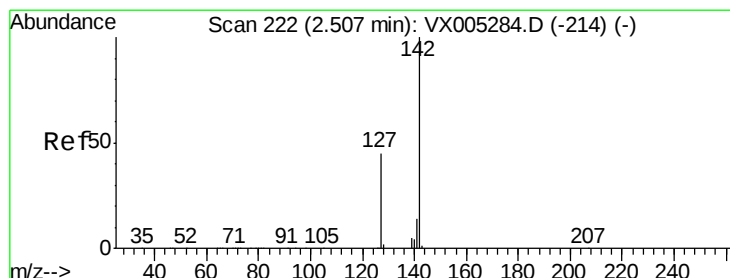
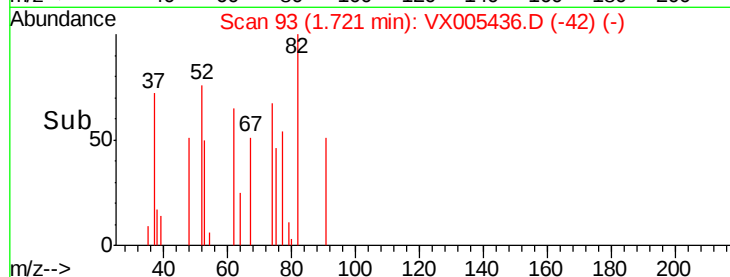
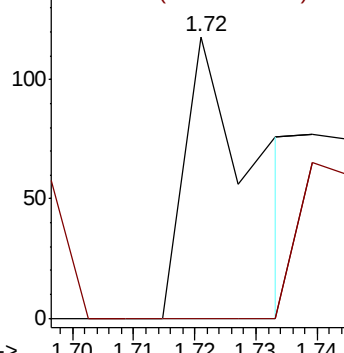
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.519 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

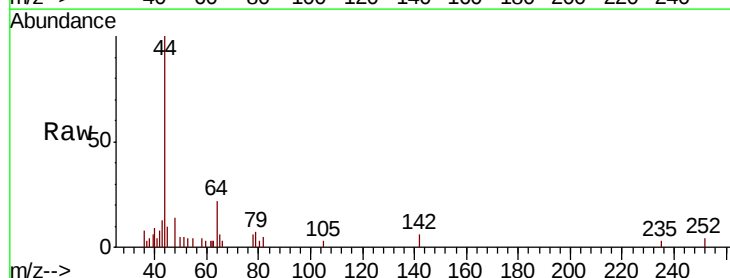
Tgt Ion: 142 Resp: 96

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

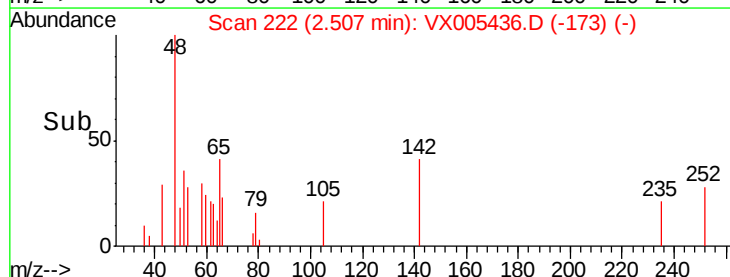
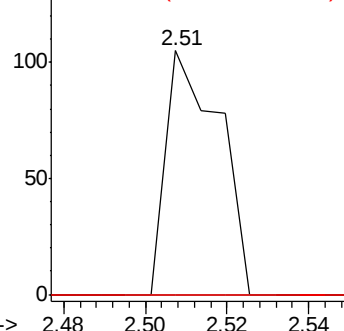
141 0.0 11.4 17.0#

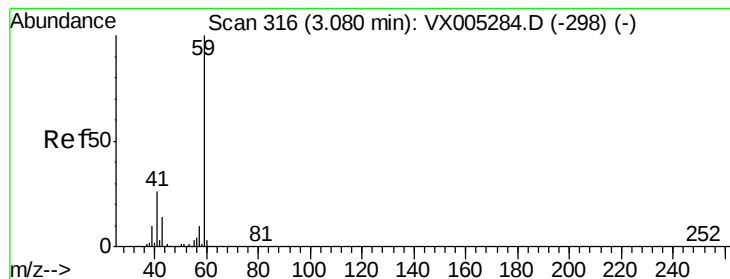


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



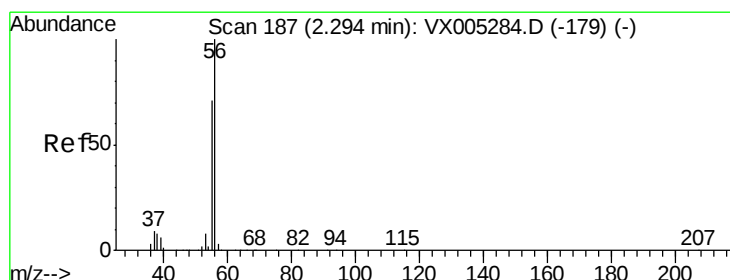
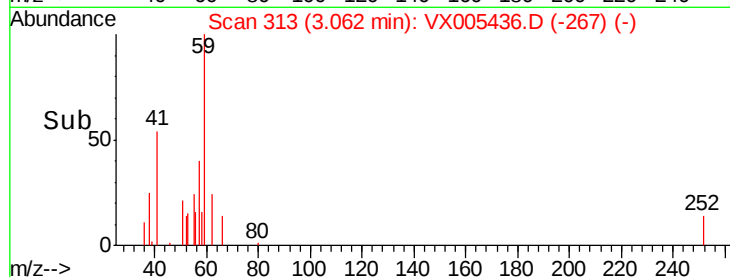
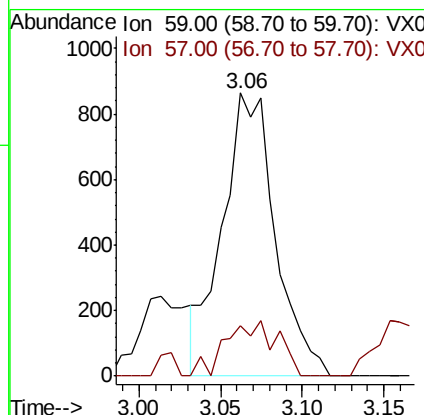
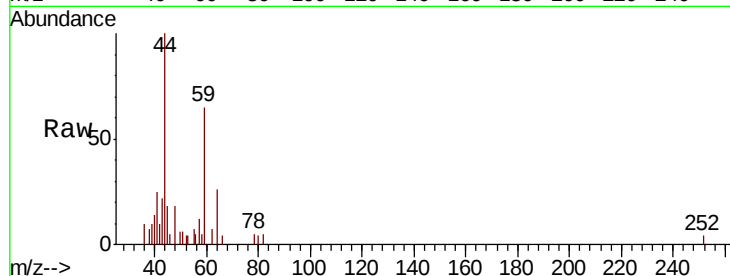


#11

Tert butyl alcohol  
 Concen: 2.020 ug/l  
 RT: 3.06 min Scan# 313  
 Delta R.T. -0.02 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 351-SOIL

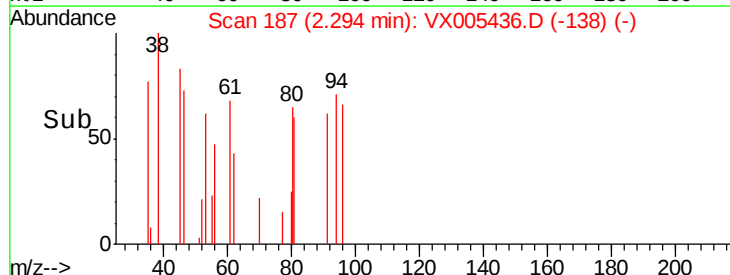
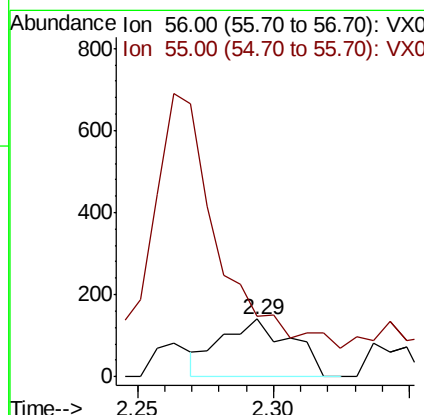
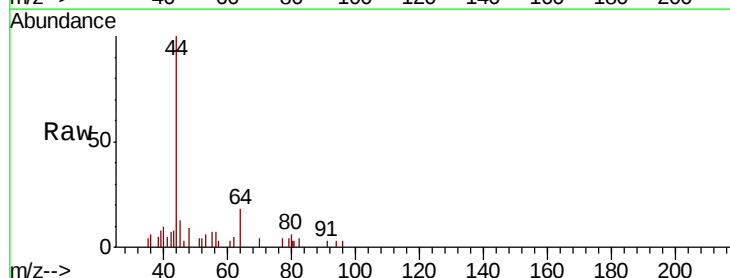
Tot Ion: 59 Resp: 1948  
 Ion Ratio Lower Upper  
 59 100  
 57 19.0 8.2 12.4#

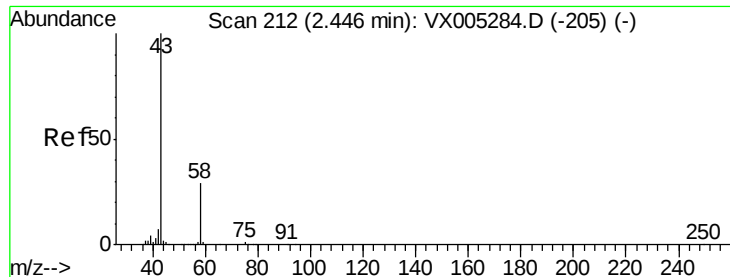


#13

Acrolein  
 Concen: Below Cal  
 RT: 2.29 min Scan# 187  
 Delta R.T. 0.00 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

Tgt Ion: 56 Resp: 247  
 Ion Ratio Lower Upper  
 56 100  
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 19.316 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

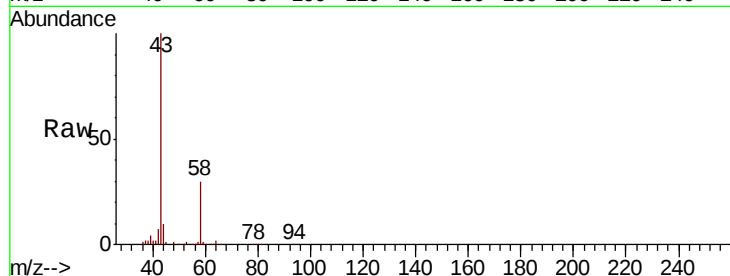
351-SOIL

Tot Ion: 43 Resp: 38185

Ion Ratio Lower Upper

43 100

58 30.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

25000

20000

15000

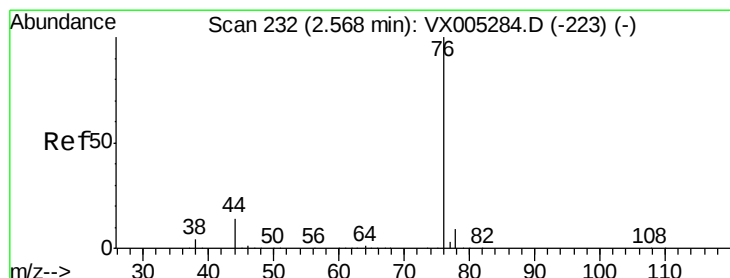
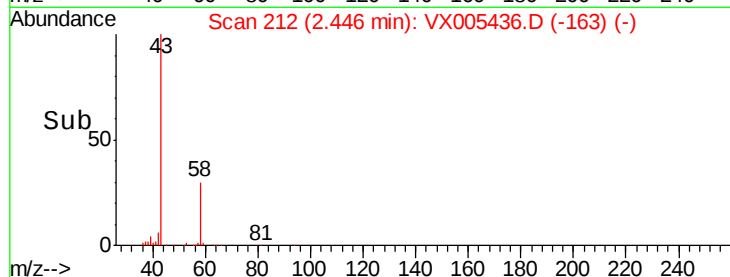
10000

5000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: 1.305 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005436.D

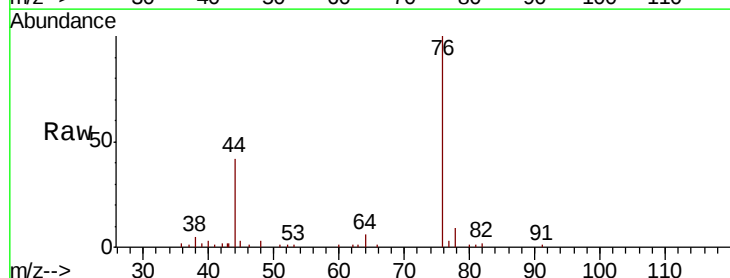
Acq: 18 Oct 2018 17:57

Tgt Ion: 76 Resp: 10669

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

6000

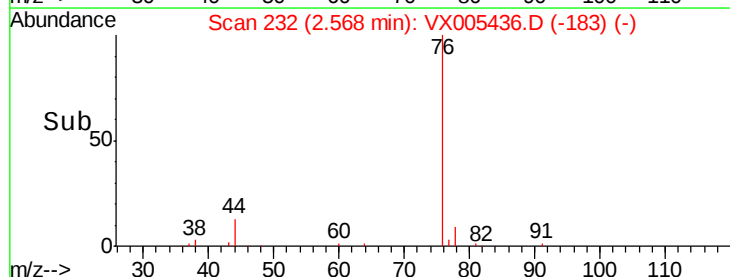
4000

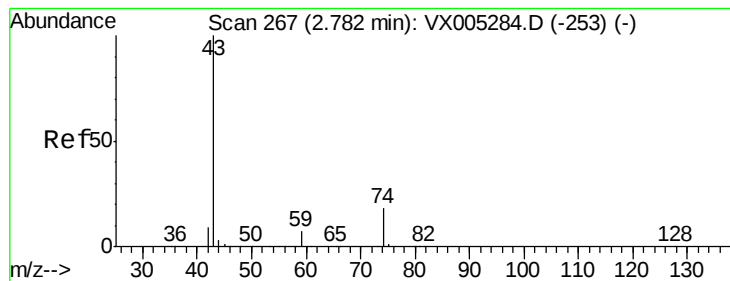
2000

0

2.50 2.55 2.60 2.65

Time-->





#18

Methyl Acetate

Concen: 1.725 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

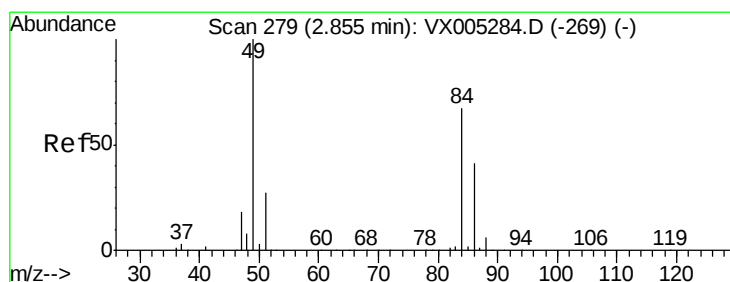
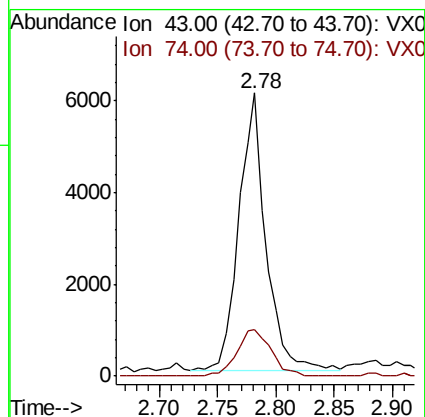
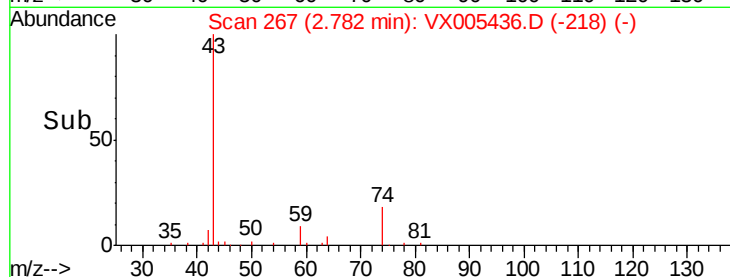
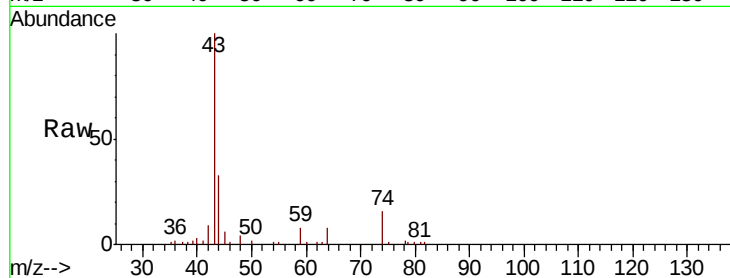
351-SOIL

Tot Ion: 43 Resp: 9703

Ion Ratio Lower Upper

43 100

74 21.4 19.4 29.2



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Tgt Ion: 84 Resp: 2778

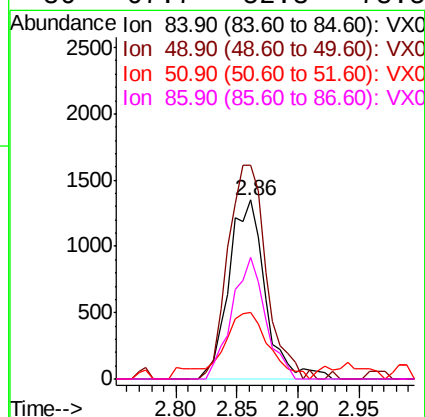
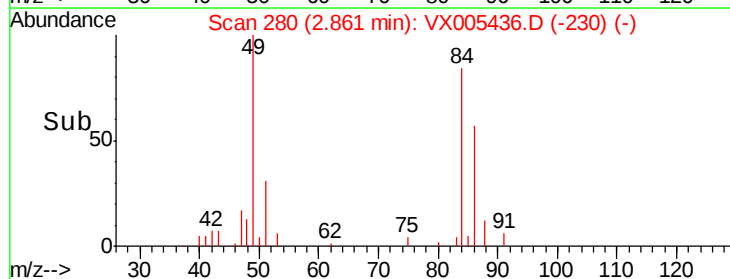
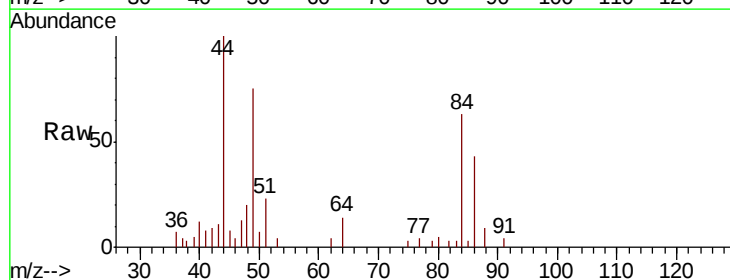
Ion Ratio Lower Upper

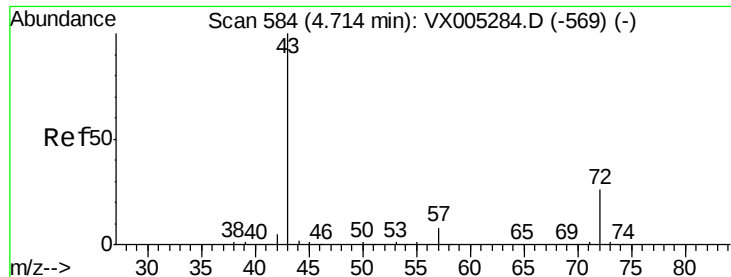
84 100

49 119.2 101.2 151.8

51 31.8 29.5 44.3

86 67.7 52.3 78.5





#25

2-Butanone

Concen: 2.293 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

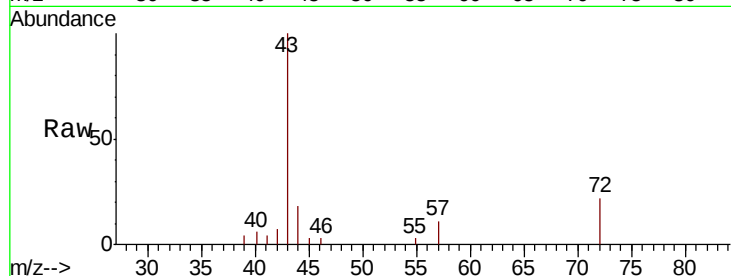
351-SOIL

Tot Ion: 43 Resp: 6632

Ion Ratio Lower Upper

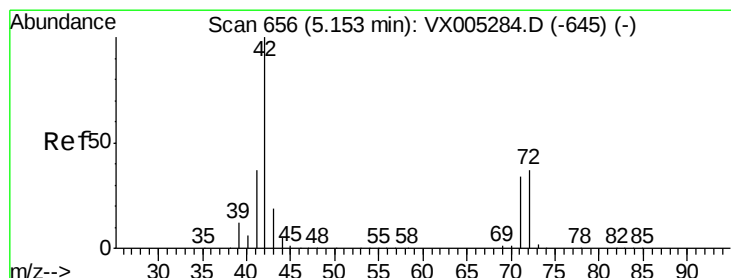
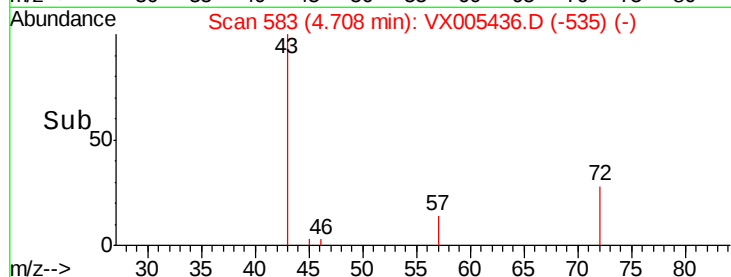
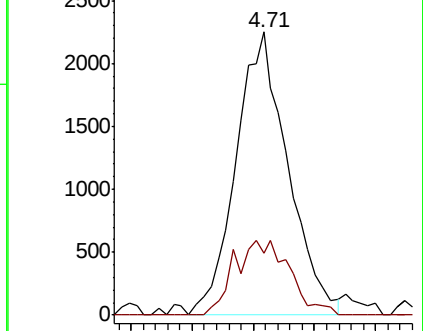
43 100

72 22.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.853 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

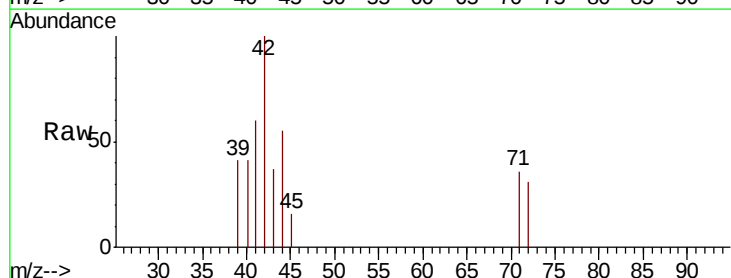
Tgt Ion: 42 Resp: 1573

Ion Ratio Lower Upper

42 100

72 40.6 37.4 56.0

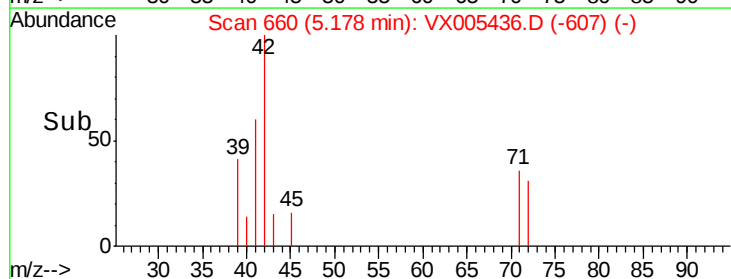
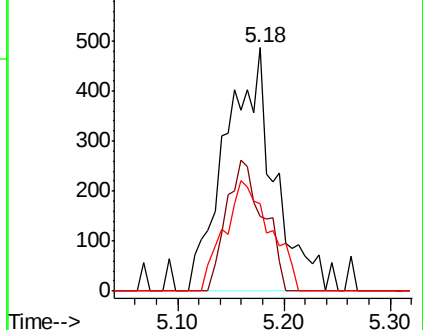
71 42.0 34.5 51.7

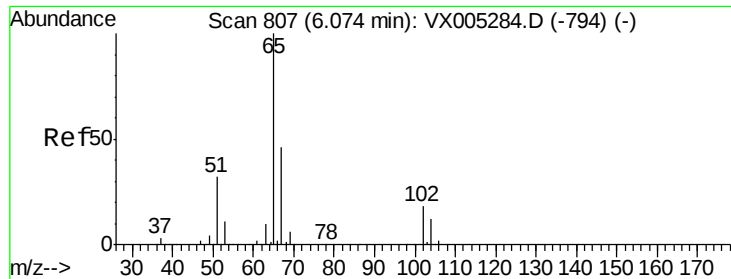


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

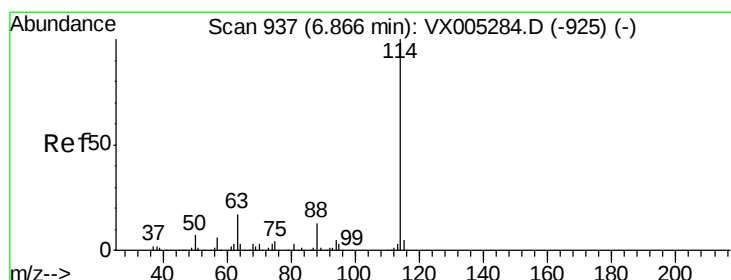
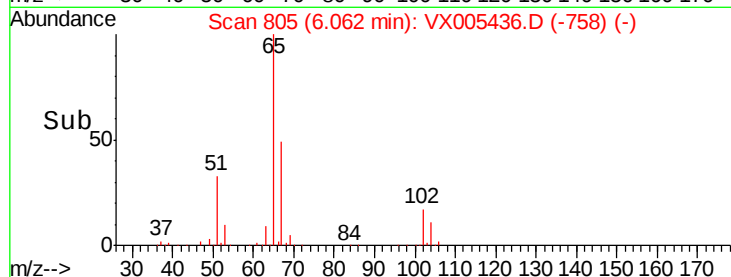
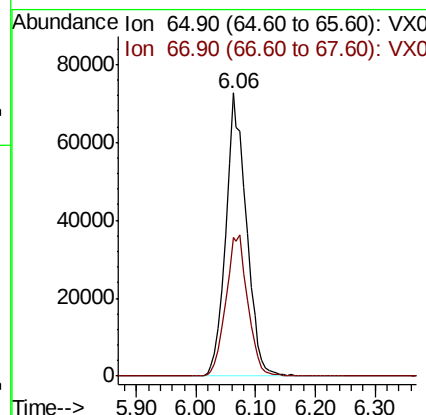
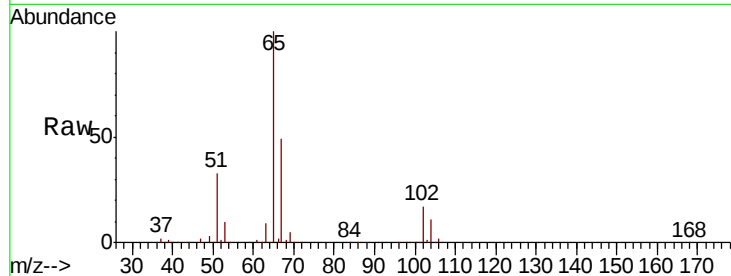




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.201 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

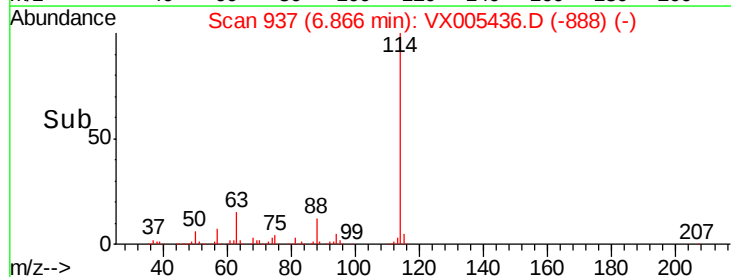
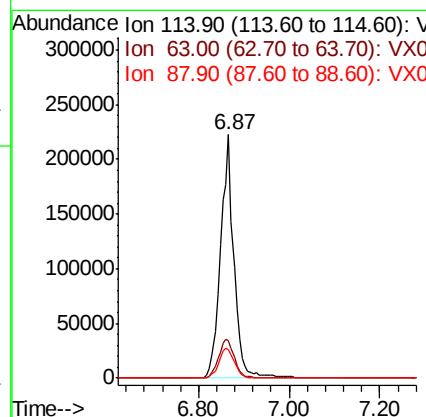
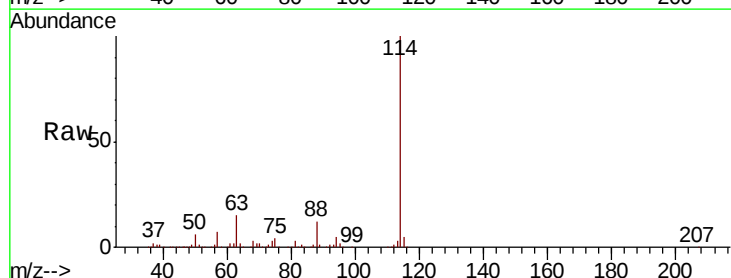
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 351-SOIL

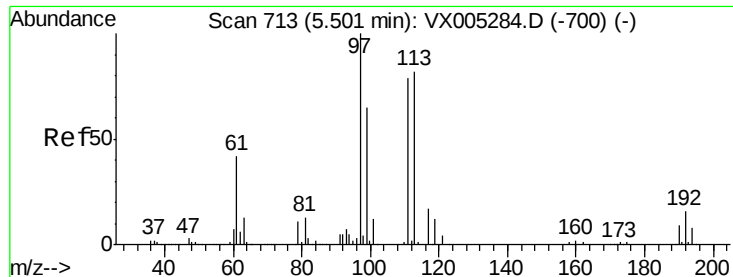
Tot Ion: 65 Resp: 175059  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 937  
 Delta R.T. 0.00 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

Tgt Ion: 114 Resp: 461027  
 Ion Ratio Lower Upper  
 114 100  
 63 15.2 0.0 39.0  
 88 12.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.587 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampleId :

351-SOIL

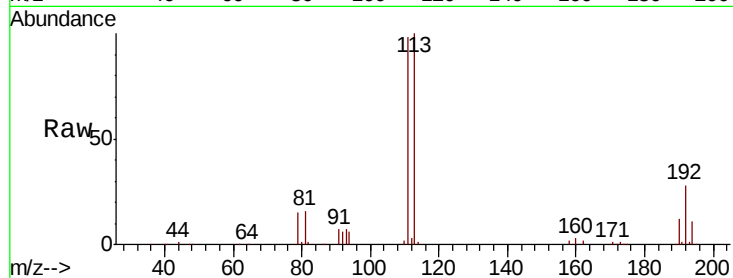
Tot Ion:113 Resp: 142254

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

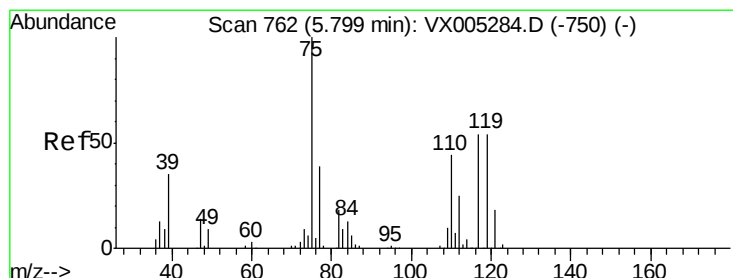
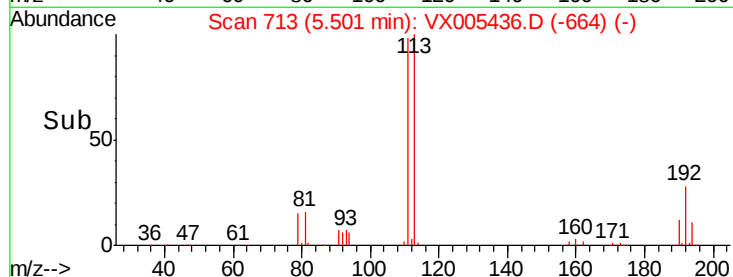
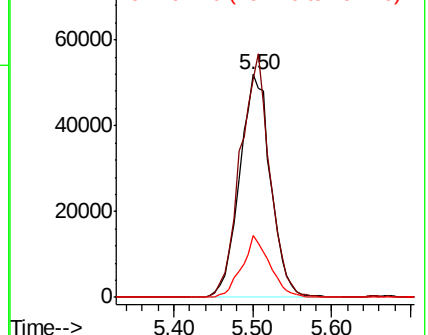
192 24.8 19.4 29.2



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



#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

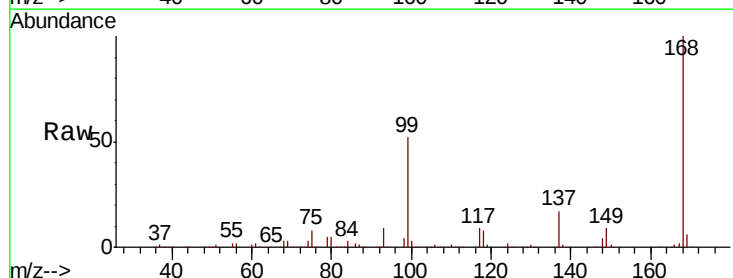
Tgt Ion: 75 Resp: 20223

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

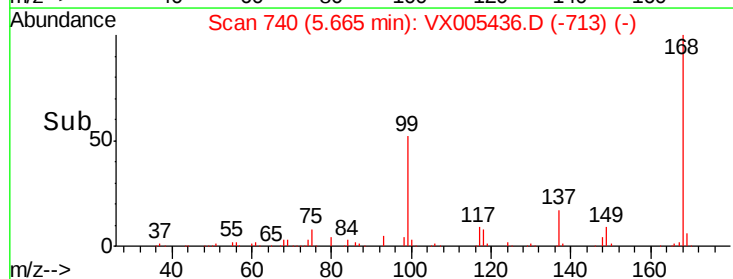
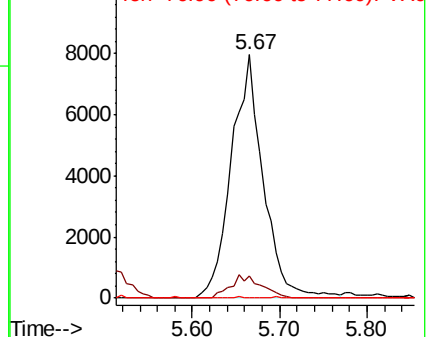
77 0.1 24.6 36.8#

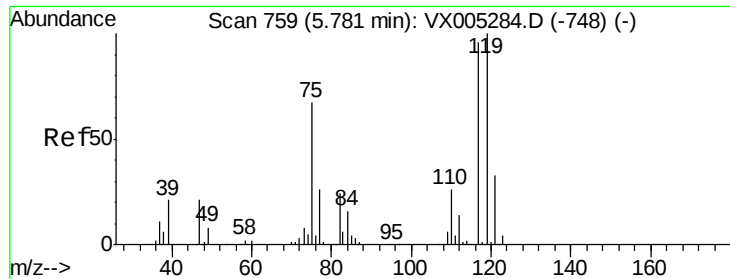


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

351-SOIL

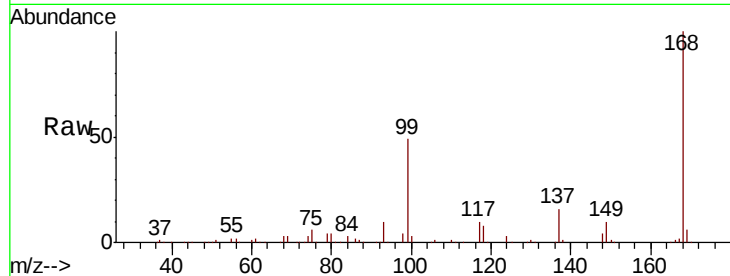
Tot Ion:117 Resp: 26927

Ion Ratio Lower Upper

117 100

119 3.7 78.8 118.2#

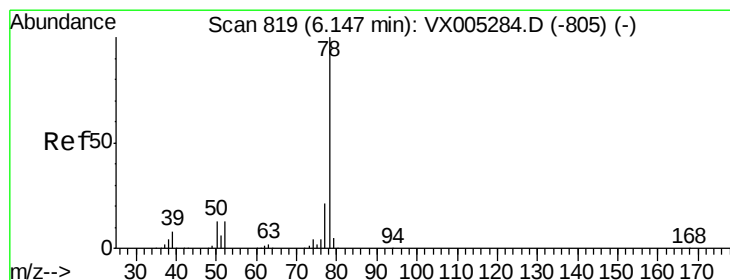
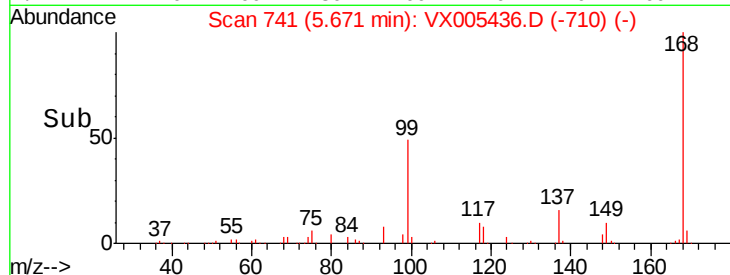
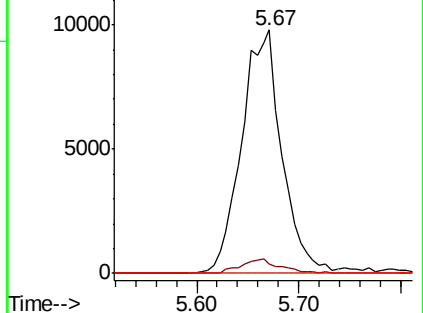
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 1.415 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX005436.D

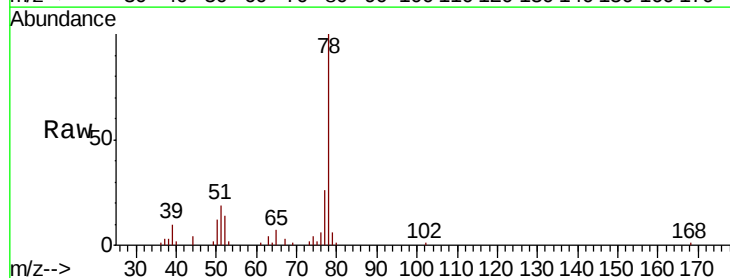
Acq: 18 Oct 2018 17:57

Tgt Ion: 78 Resp: 18954

Ion Ratio Lower Upper

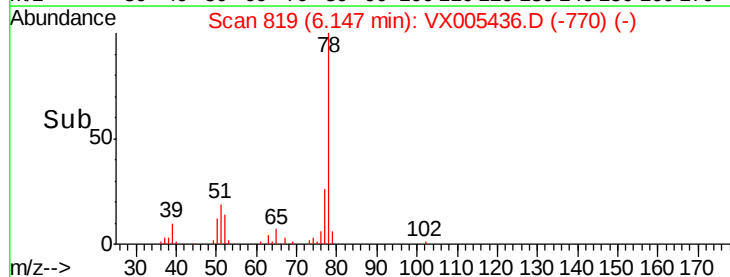
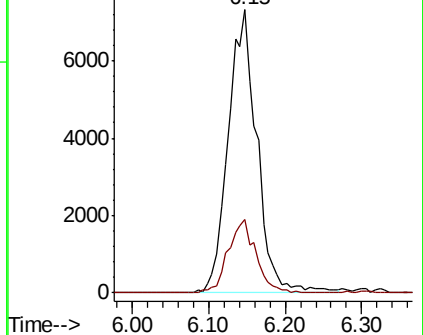
78 100

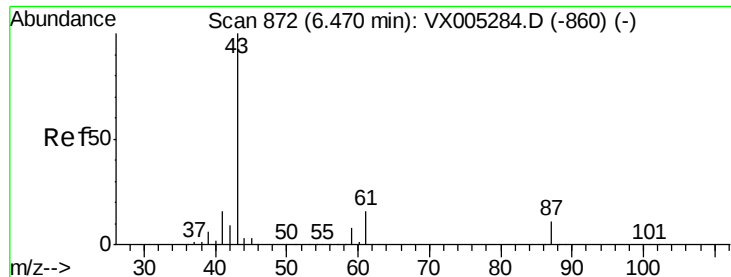
77 26.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



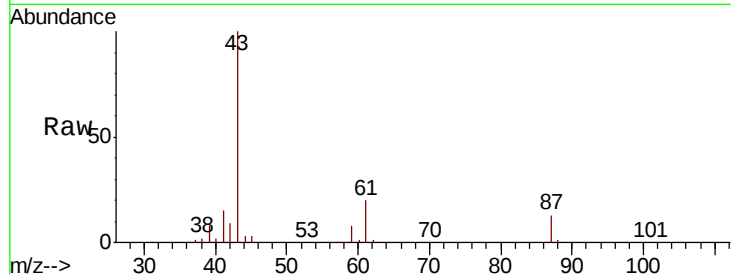


#43

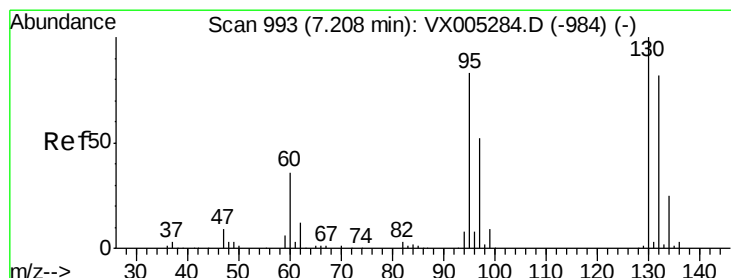
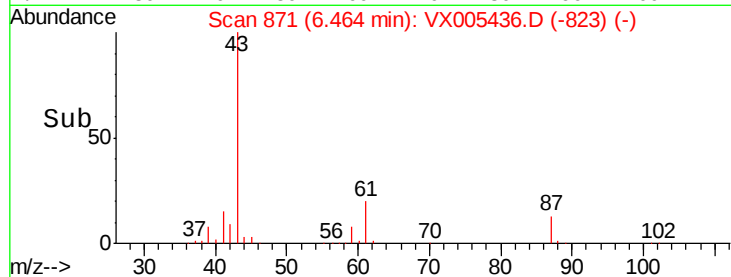
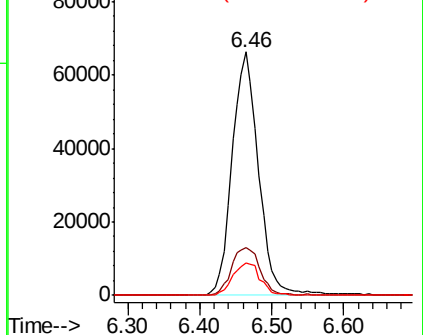
Isopropyl Acetate  
 Concen: 22.072 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. -0.01 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 351-SOIL

Tot Ion: 43 Resp: 168833  
 Ion Ratio Lower Upper  
 43 100  
 61 21.4 17.0 25.4  
 87 13.7 11.4 17.2



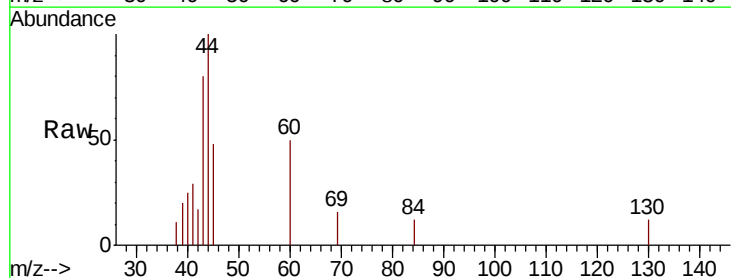
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



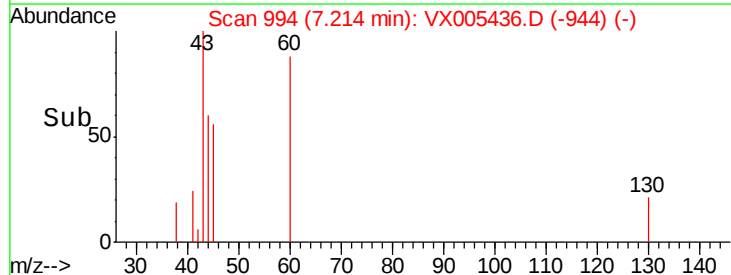
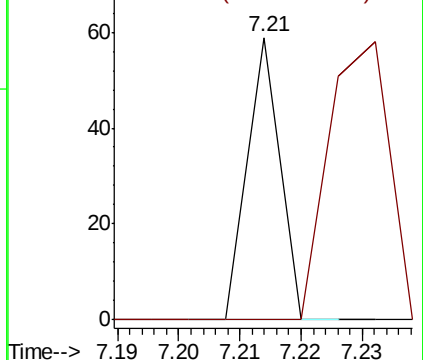
#44

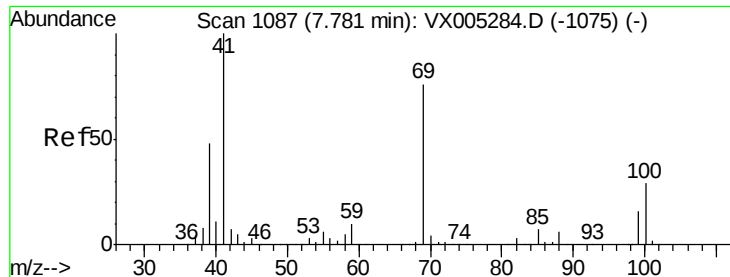
Trichloroethene  
 Concen: Below Cal  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.01 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

Tgt Ion:130 Resp: 22  
 Ion Ratio Lower Upper  
 130 100  
 95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0

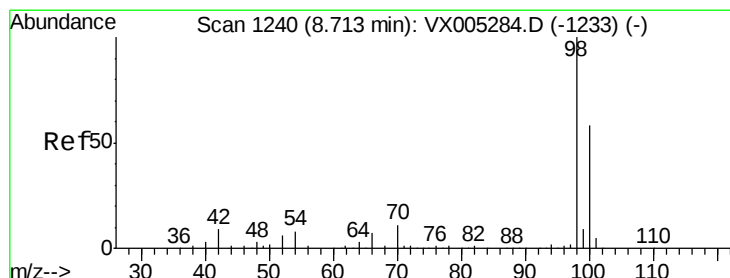
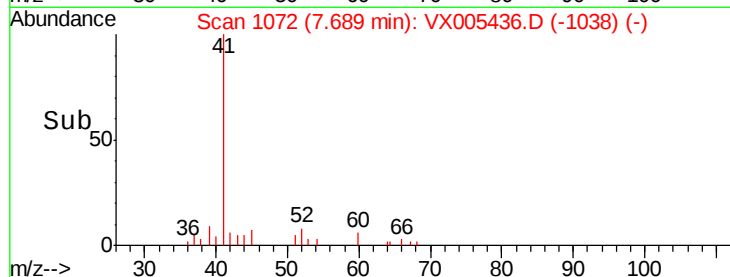
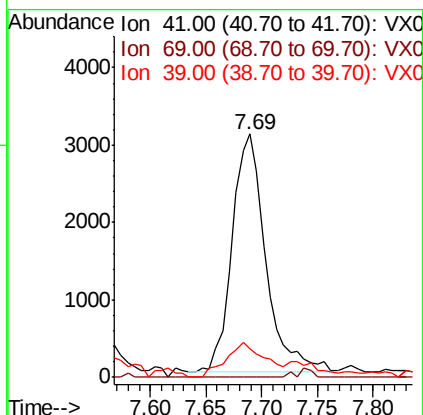
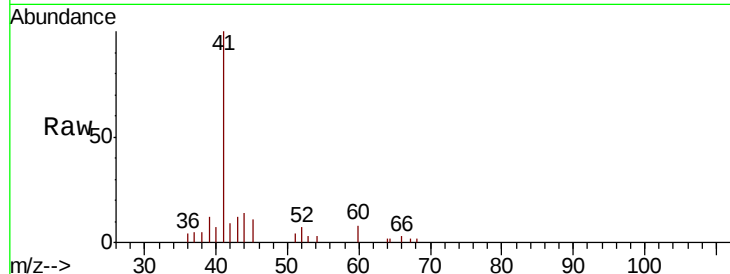




#48  
Methvl methacrylate  
Concen: 1.627 ug/l  
RT: 7.69 min Scan# 1072  
Delta R.T. -0.09 min  
Lab File: VX005436.D  
Acq: 18 Oct 2018 17:57

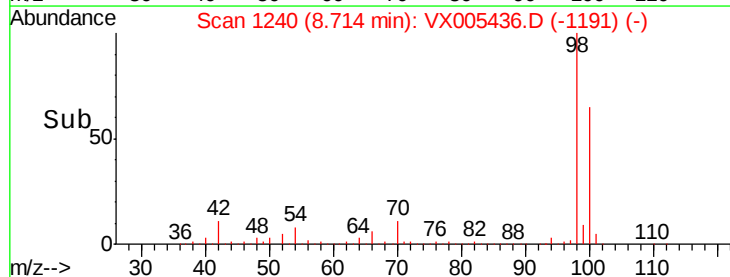
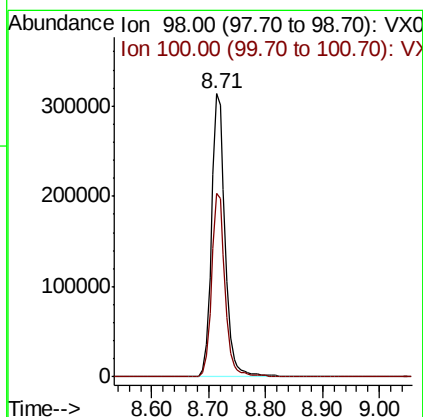
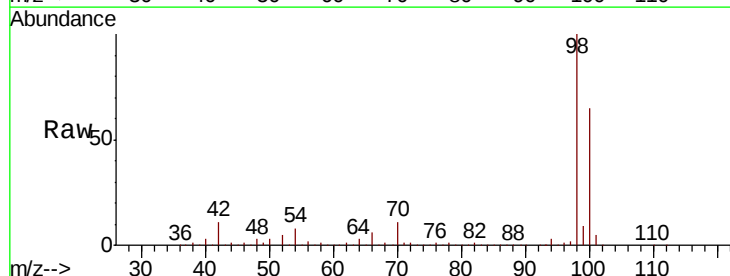
Instrument :  
MSVOA\_X  
ClientSampleId :  
351-SOIL

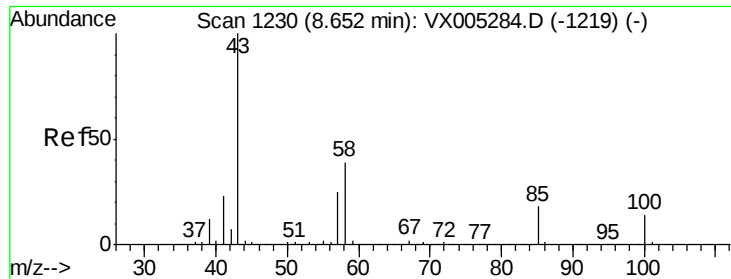
Tot Ion: 41 Resp: 6454  
Ion Ratio Lower Upper  
41 100  
69 0.0 70.2 105.4#  
39 16.9 42.7 64.1#



#50  
Toluene-d8  
Concen: 49.789 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX005436.D  
Acq: 18 Oct 2018 17:57

Tgt Ion: 98 Resp: 521934  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.455 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampleId :

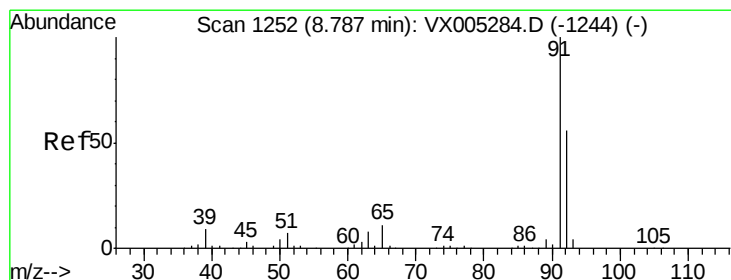
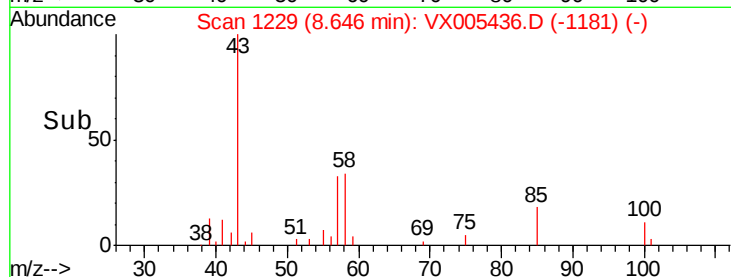
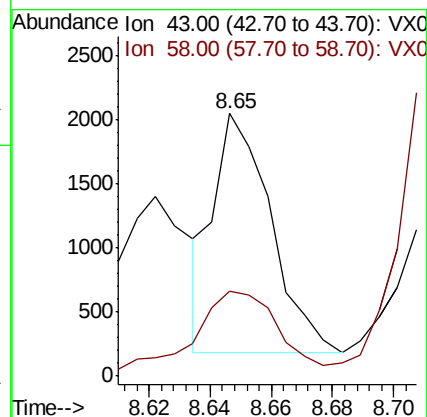
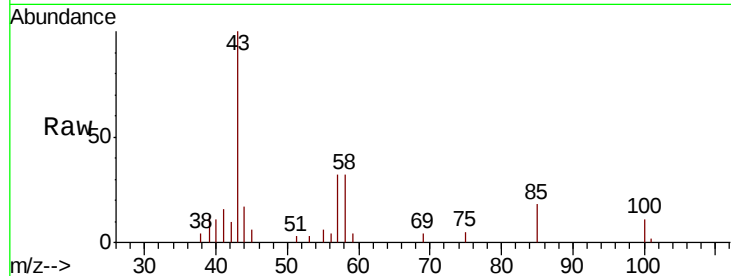
351-SOIL

Tot Ion: 43 Resp: 2412

Ion Ratio Lower Upper

43 100

58 55.0 33.1 49.7#



#52

Toluene

Concen: 0.588 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005436.D

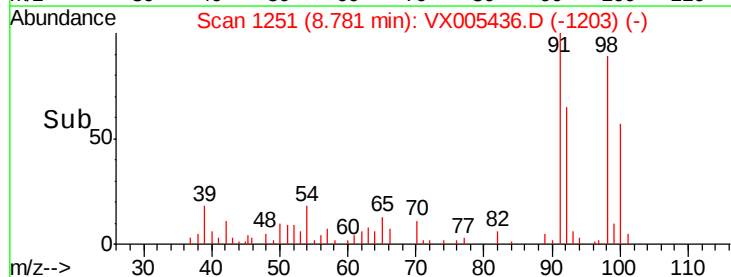
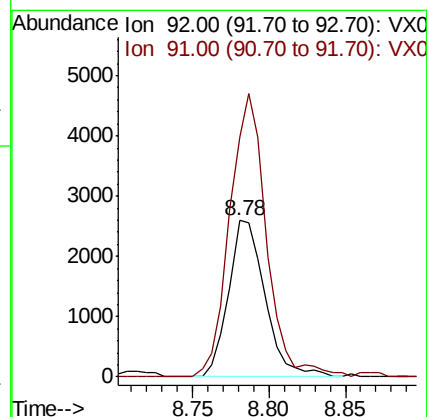
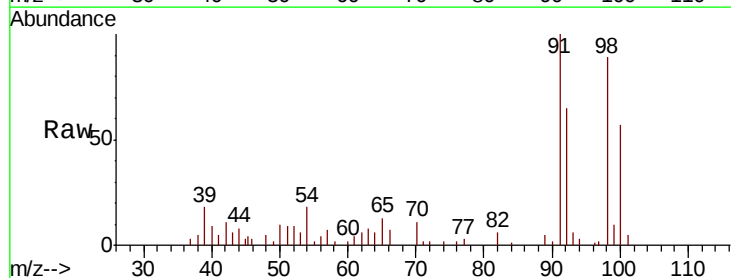
Acq: 18 Oct 2018 17:57

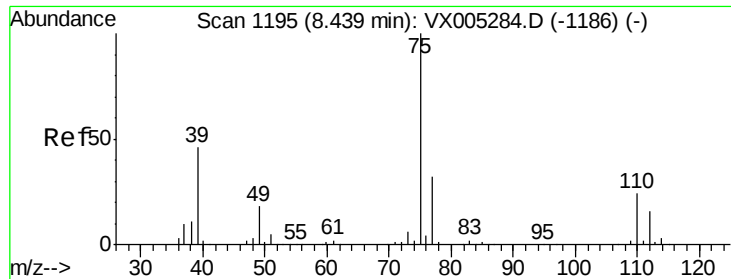
Tgt Ion: 92 Resp: 4309

Ion Ratio Lower Upper

92 100

91 180.8 136.4 204.6





#54

cis-1,3-Dichloropropene

Concen: 0.224 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

351-SOIL

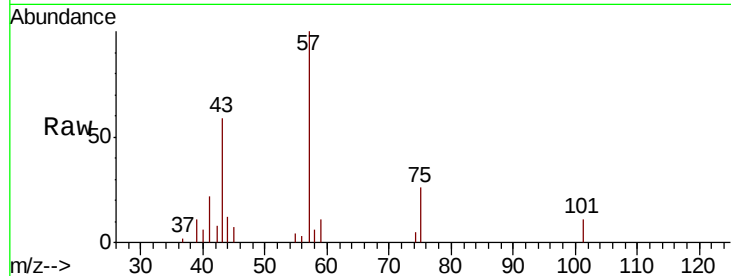
Tot Ion: 75 Resp: 1054

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

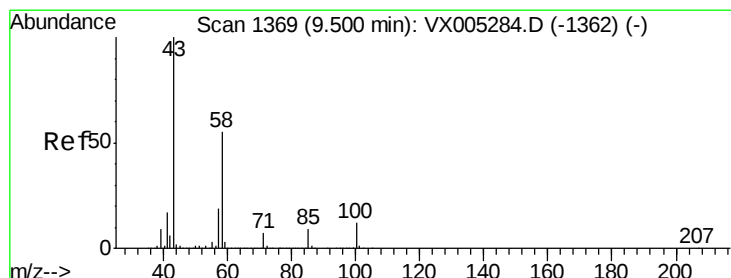
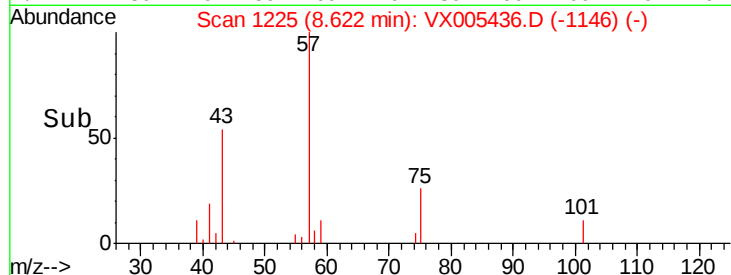
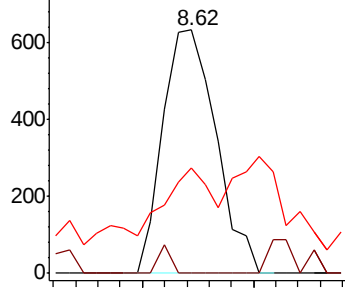
39 24.7 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.283 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VX005436.D

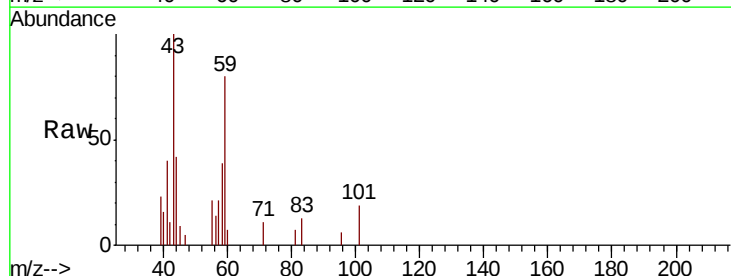
Acq: 18 Oct 2018 17:57

Tgt Ion: 43 Resp: 1207

Ion Ratio Lower Upper

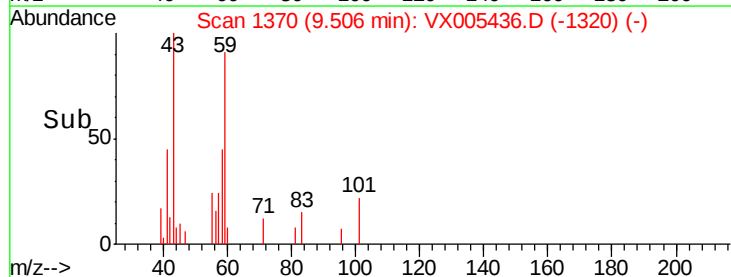
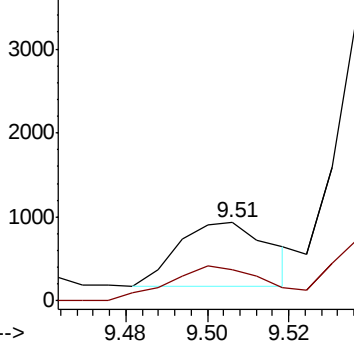
43 100

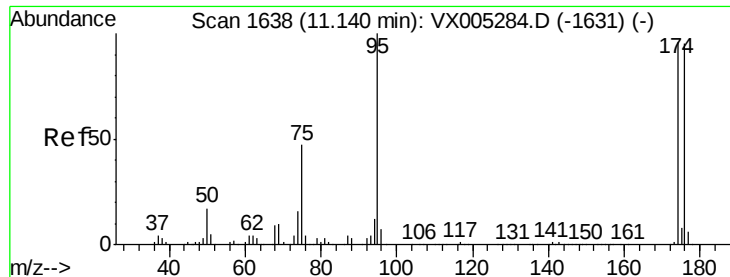
58 58.0 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.086 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampleId :

351-SOIL

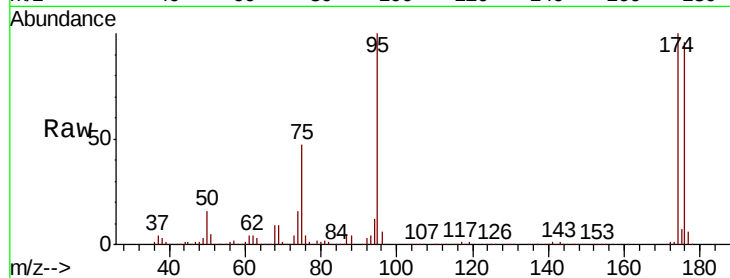
Tot Ion: 95 Resp: 173613

Ion Ratio Lower Upper

95 100

174 94.3 0.0 185.2

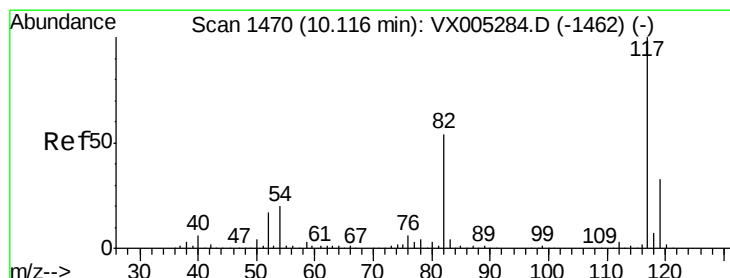
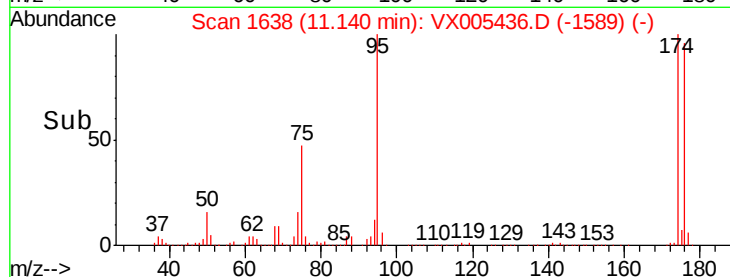
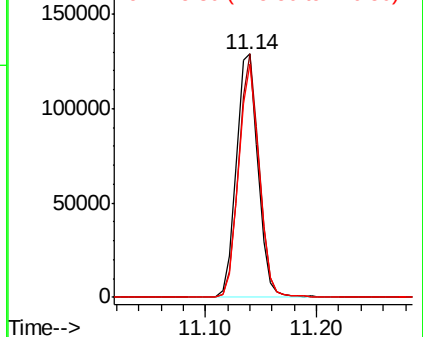
176 91.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

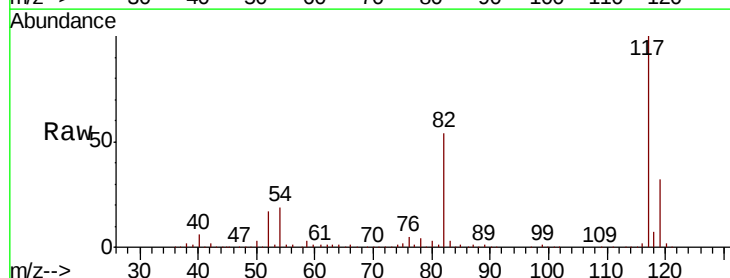
Tgt Ion: 117 Resp: 391070

Ion Ratio Lower Upper

117 100

82 54.3 47.8 71.6

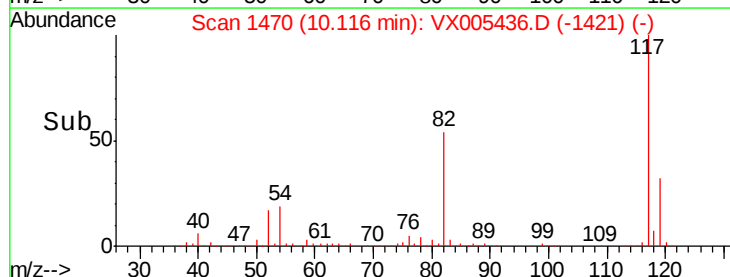
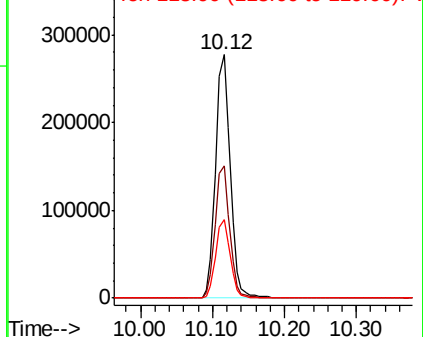
119 32.2 29.3 43.9

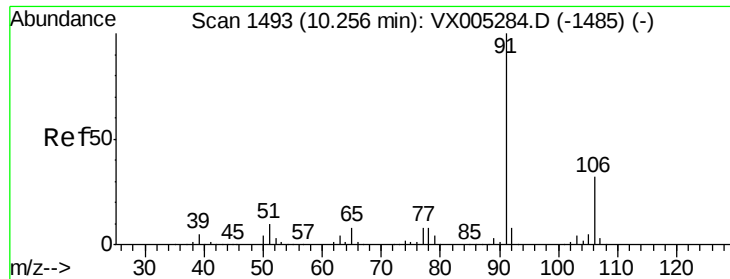


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.288 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

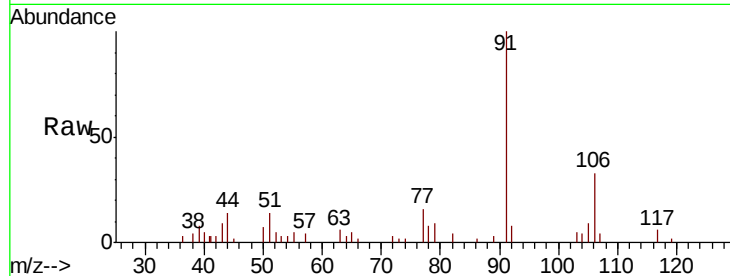
351-SOIL

Tot Ion: 91 Resp: 3896

Ion Ratio Lower Upper

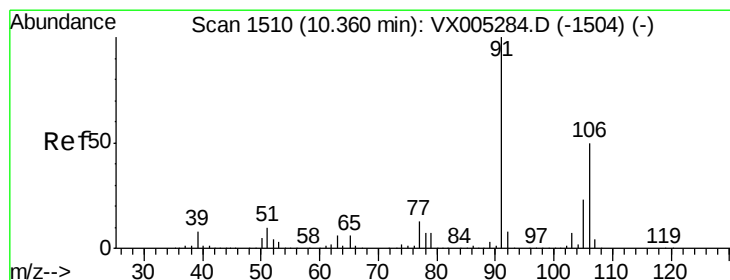
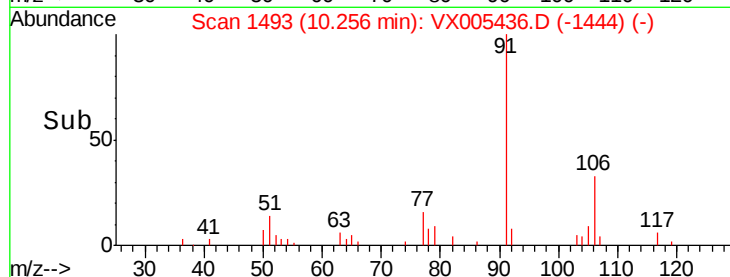
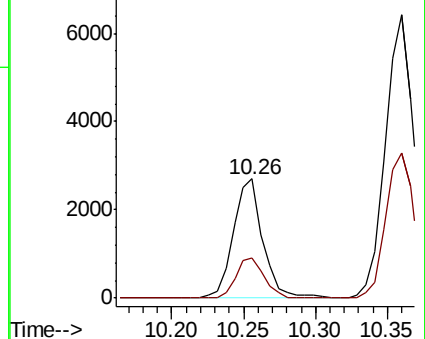
91 100

106 33.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005284.D (-1485) (-)



#68

m/p-Xylenes

Concen: 0.876 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005436.D

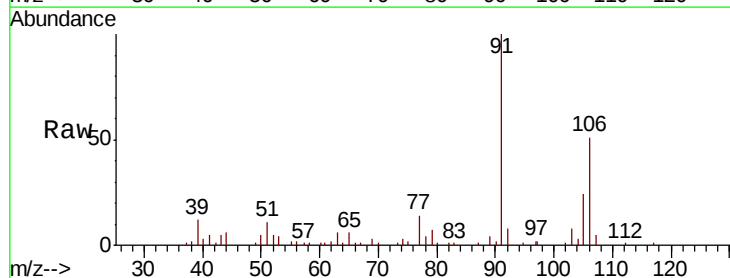
Acq: 18 Oct 2018 17:57

Tgt Ion: 106 Resp: 4597

Ion Ratio Lower Upper

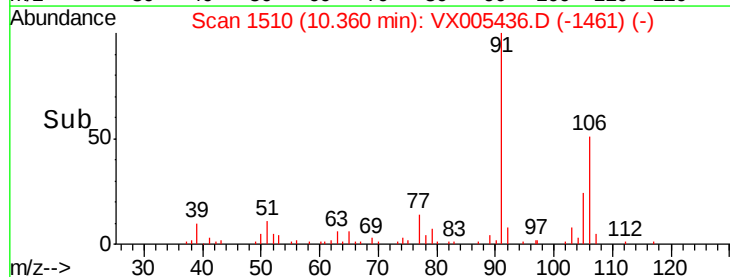
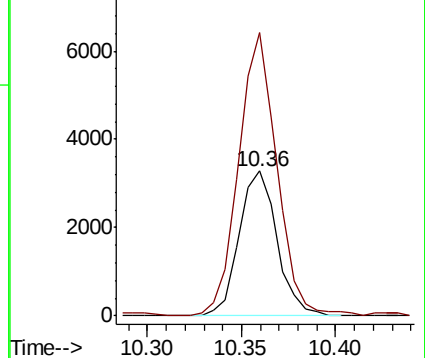
106 100

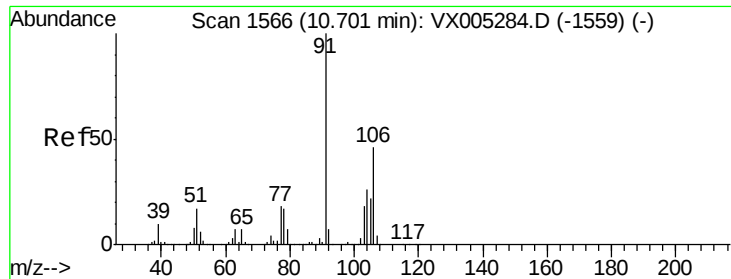
91 196.7 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1504) (-)

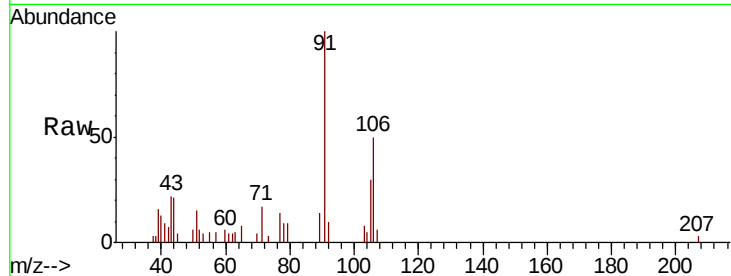




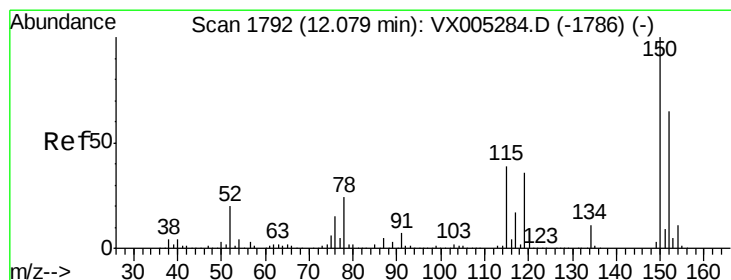
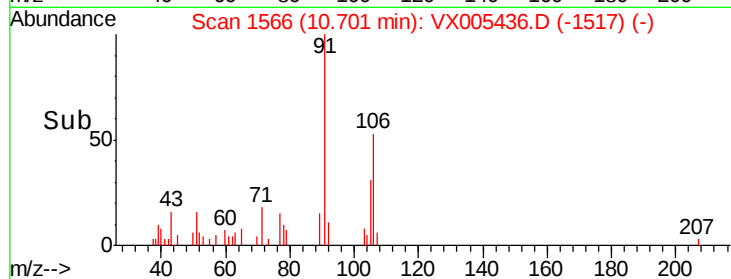
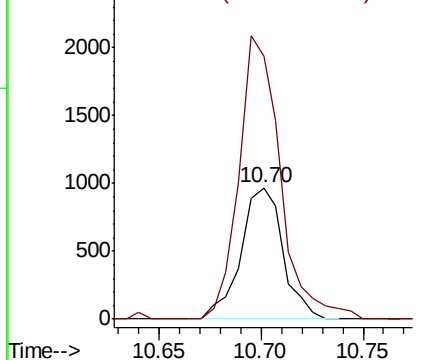
#69  
o-Xylene  
Concen: 0.274 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX005436.D  
Acq: 18 Oct 2018 17:57

Instrument :  
MSVOA\_X  
ClientSampled :  
351-SOIL

Tot Ion:106 Resp: 1388  
Ion Ratio Lower Upper  
106 100  
91 211.6 105.1 315.1

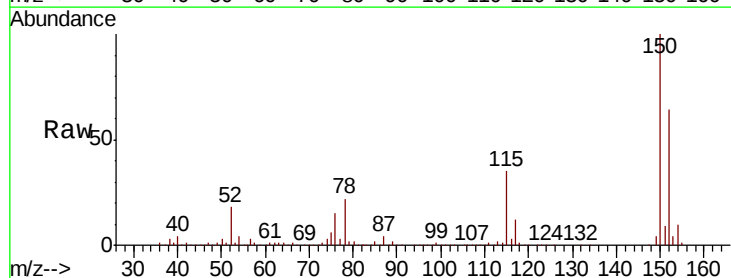


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

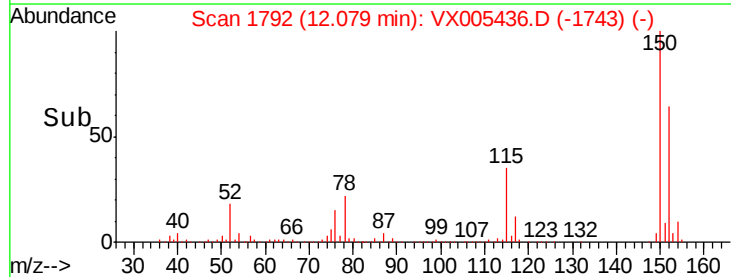
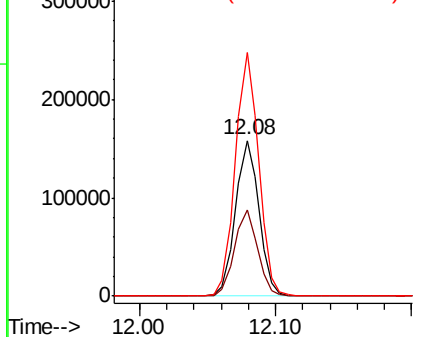


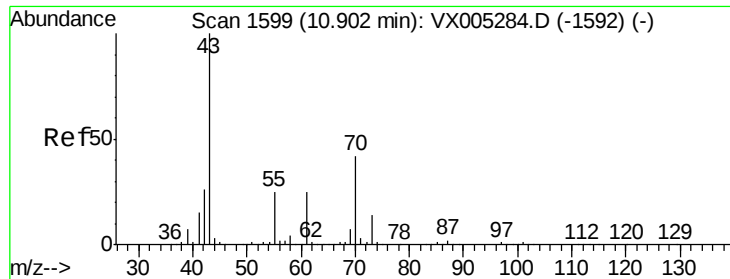
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX005436.D  
Acq: 18 Oct 2018 17:57

Tgt Ion:152 Resp: 189800  
Ion Ratio Lower Upper  
152 100  
115 54.7 39.0 117.0  
150 155.8 0.0 351.0



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





#74

N-amvl acetate

Concen: 0.314 ug/l

RT: 10.93 min Scan# 1603

Delta R.T. 0.02 min

Lab File: VX005436.D

Acq: 18 Oct 2018 17:57

Instrument :

MSVOA\_X

ClientSampled :

351-SOIL

Tot Ion: 43 Resp: 1710

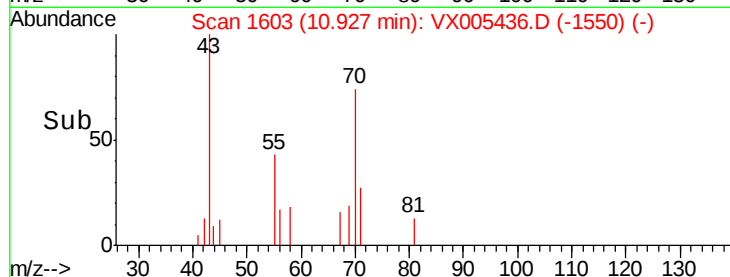
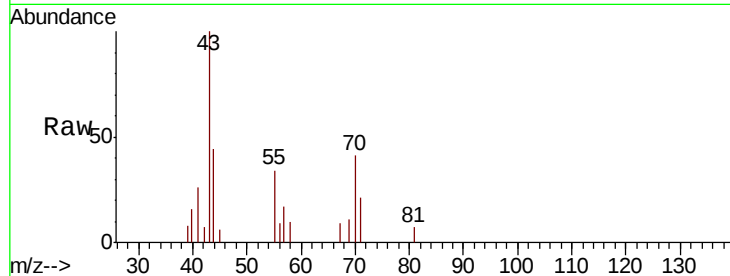
Ion Ratio Lower Upper

43 100

70 38.0 37.4 56.0

55 41.8 21.8 32.8#

61 0.0 20.6 30.8#

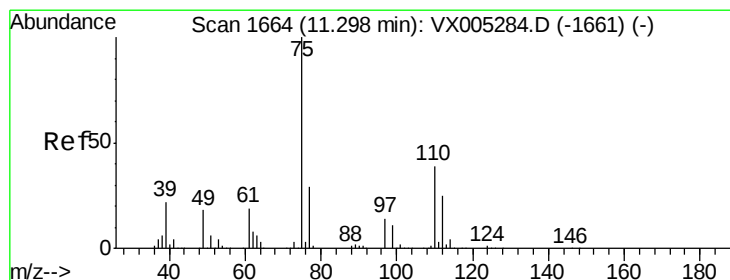
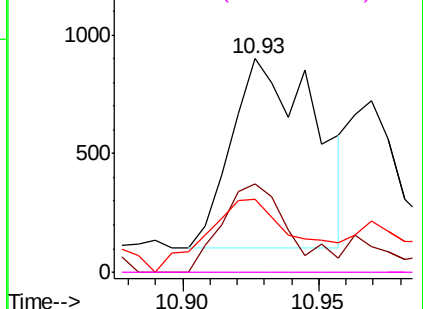


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.412 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005436.D

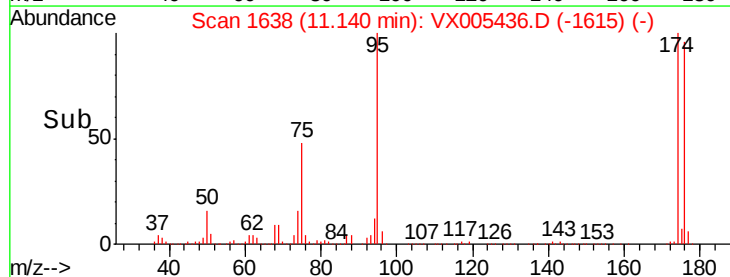
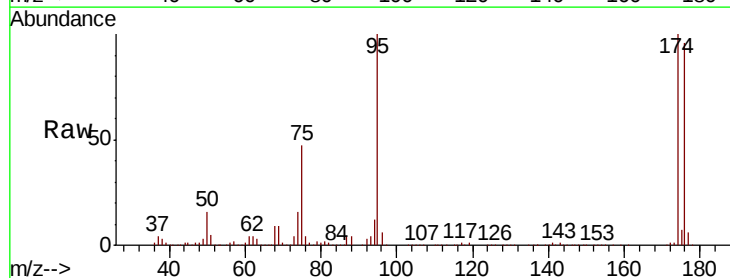
Acq: 18 Oct 2018 17:57

Tgt Ion: 75 Resp: 82511

Ion Ratio Lower Upper

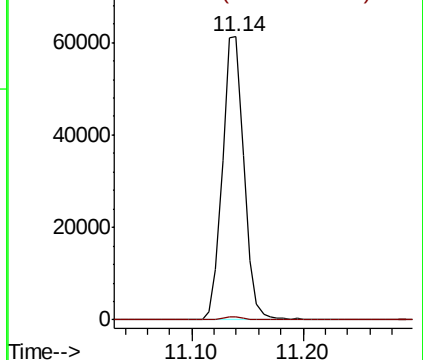
75 100

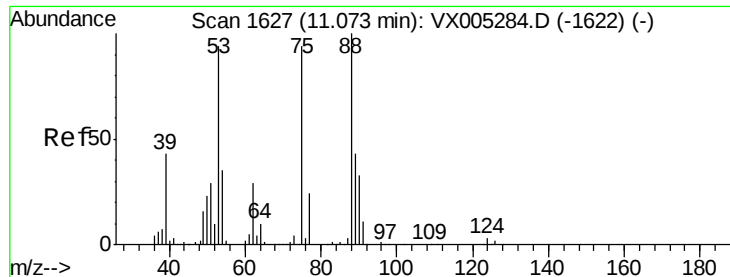
77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

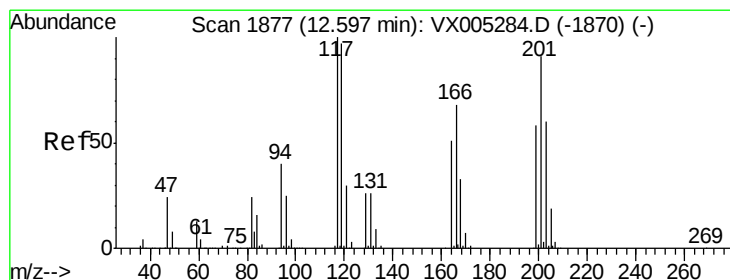
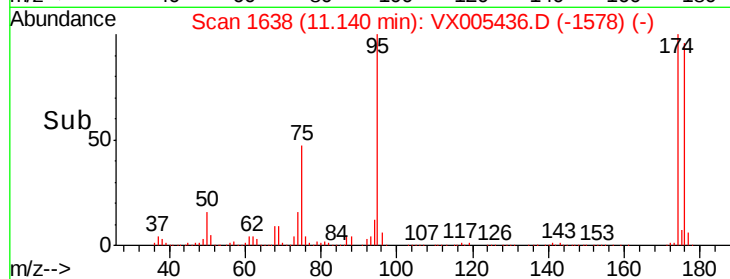
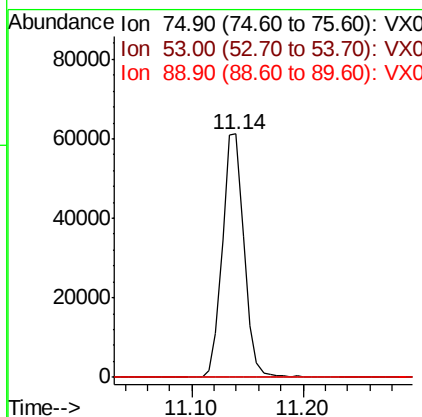
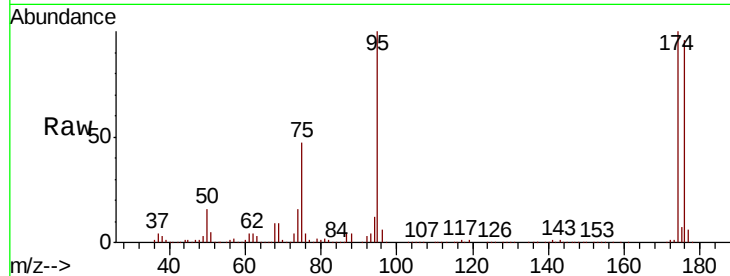




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.098 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.07 min  
Lab File: VX005436.D  
Acq: 18 Oct 2018 17:57

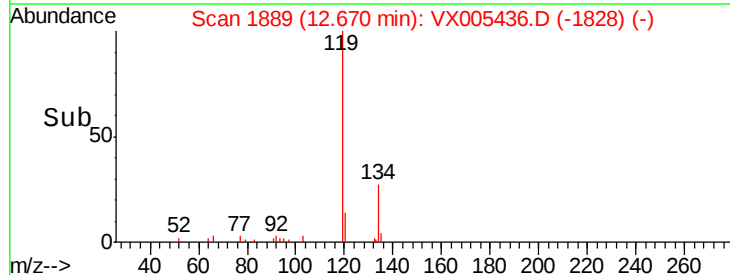
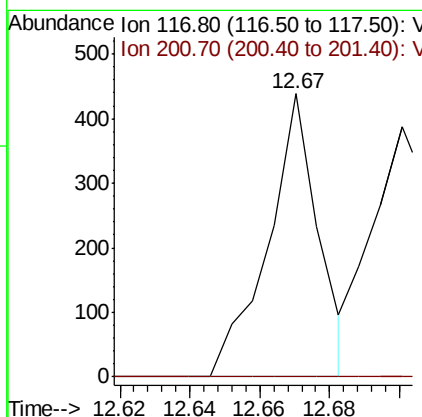
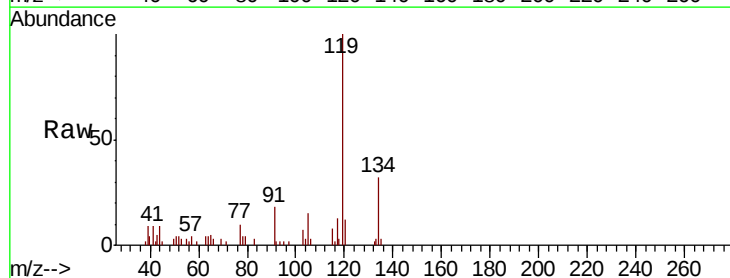
Instrument :  
MSVOA\_X  
ClientSampled :  
351-SOIL

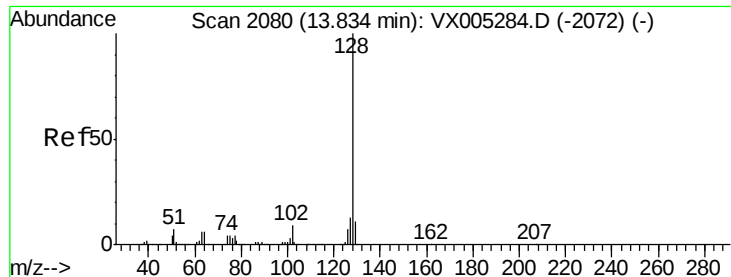
Tot Ion: 75 Resp: 82511  
Ion Ratio Lower Upper  
75 100  
53 0.5 80.1 120.1#  
89 0.0 37.2 55.8#



#90  
Hexachloroethane  
Concen: 0.243 ug/l  
RT: 12.67 min Scan# 1889  
Delta R.T. 0.07 min  
Lab File: VX005436.D  
Acq: 18 Oct 2018 17:57

Tgt Ion: 117 Resp: 439  
Ion Ratio Lower Upper  
117 100  
201 0.0 46.9 140.6#

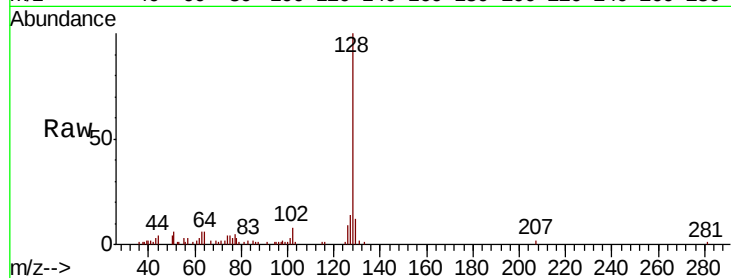




#95  
 Naphthalene  
 Concen: 0.689 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX005436.D  
 Acq: 18 Oct 2018 17:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 351-SOIL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.3  | 10.2  | 15.2# |
| 129     | 13.4  | 8.6   | 12.8# |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

