

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\  
 Data File : VX001615.D  
 Acq On : 10 May 2018 21:15  
 Operator : JC/MD  
 Sample : J1585-11 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FMS-SOIL-1

Quant Time: May 11 07:08:47 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

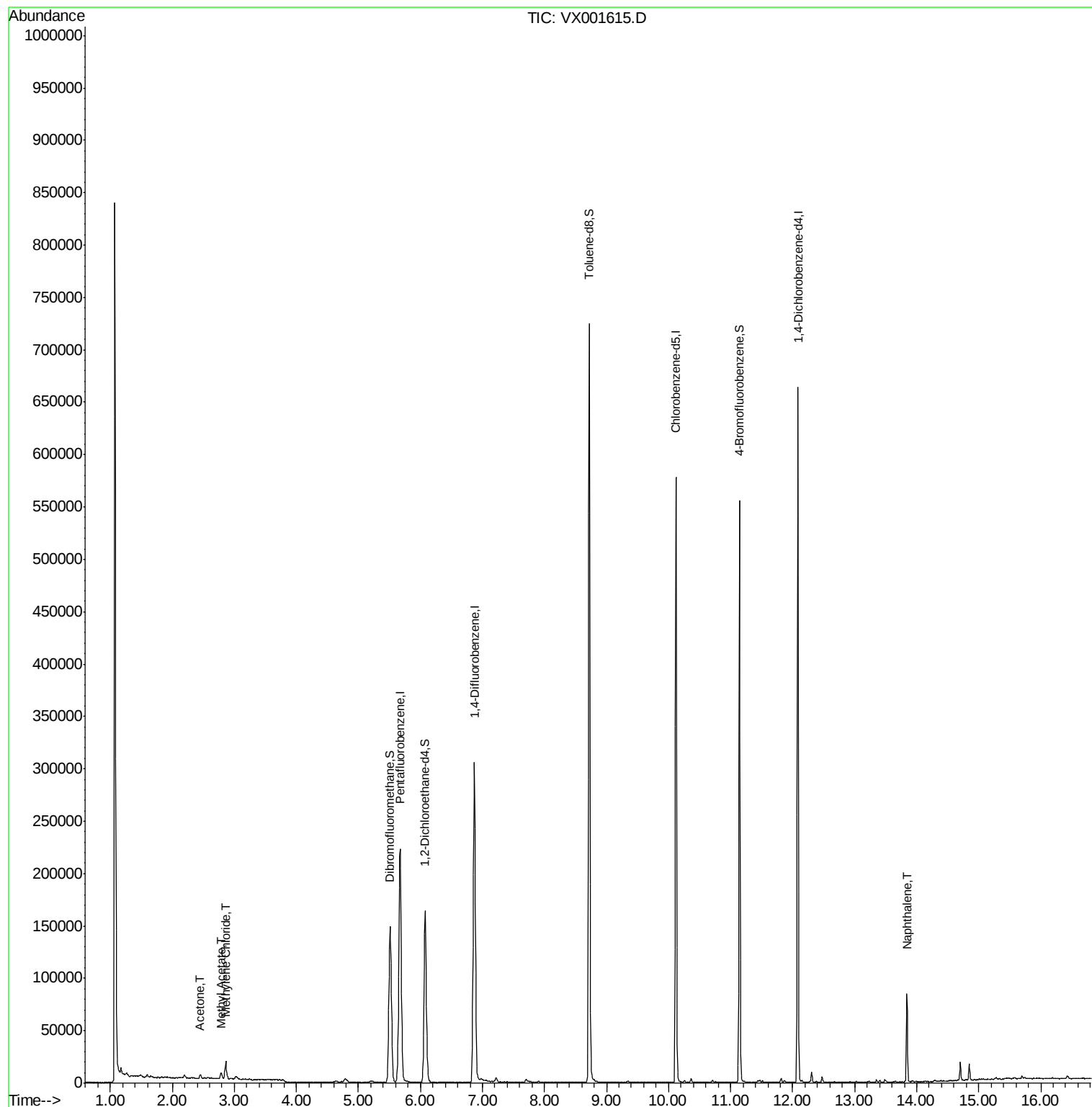
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 231000   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 313635   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 272725   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 141927   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 158275   | 47.67 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.34% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 122875   | 44.05 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.10% |          |
| 50) Toluene-d8              | 8.72  | 98   | 428138   | 42.04 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.08% |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 135211   | 34.59 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 69.18% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 4068     | 2.70  | ug/l   | 96       |
| 18) Methyl Acetate          | 2.78  | 43   | 6411     | 1.62  | ug/l   | 93       |
| 20) Methylene Chloride      | 2.86  | 84   | 7294     | 2.44  | ug/l # | 86       |
| 95) Naphthalene             | 13.84 | 128  | 51829    | 4.93  | ug/l   | 99       |

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\  
Data File : VX001615.D  
Acq On : 10 May 2018 21:15  
Operator : JC/MD  
Sample : J1585-11 5X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FMS-SOIL-1

Quant Time: May 11 07:08:47 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
Quant Title : SW846 8260  
QLast Update : Sun May 06 07:59:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001615.D

Acq: 10 May 2018 21:15

Instrument :

MSVOA\_X

ClientSampleId :

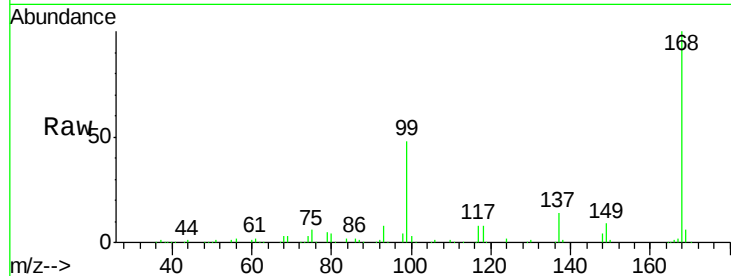
FMS-SOIL-1

Tot Ion:168 Resp: 231000

Ion Ratio Lower Upper

168 100

99 48.0 36.6 54.8

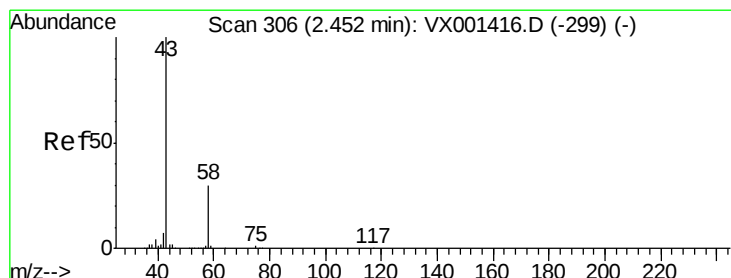
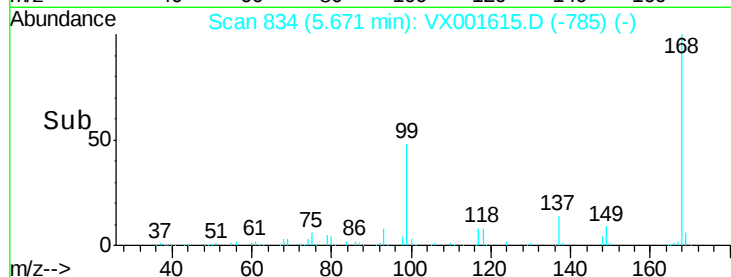


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#16

Acetone

Concen: 2.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001615.D

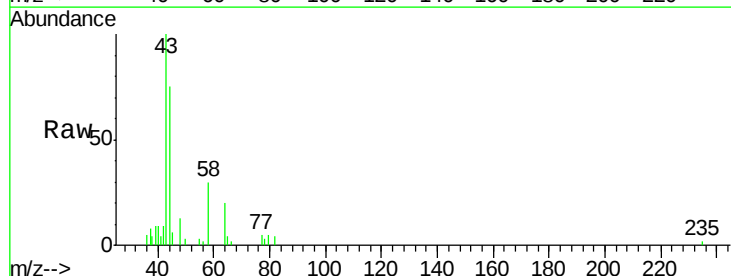
Acq: 10 May 2018 21:15

Tgt Ion: 43 Resp: 4068

Ion Ratio Lower Upper

43 100

58 31.9 23.8 35.8

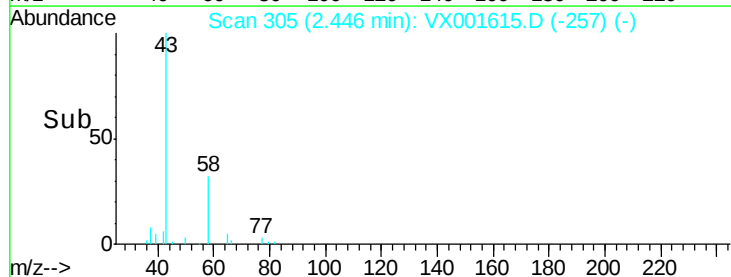


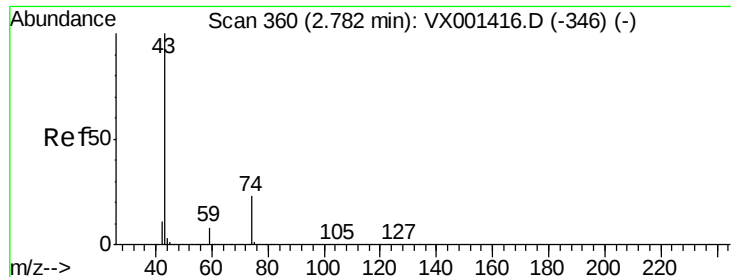
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->

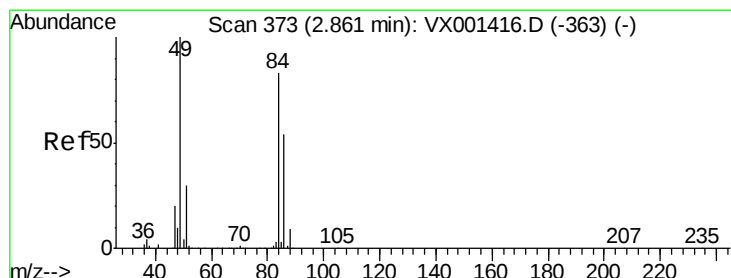
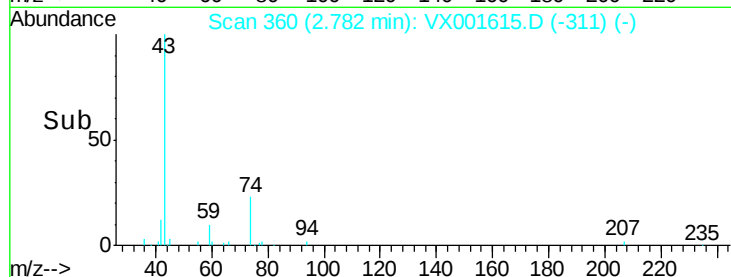
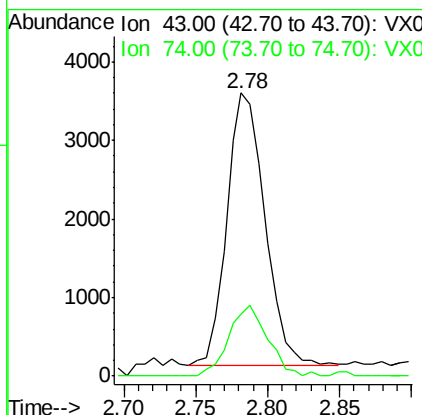
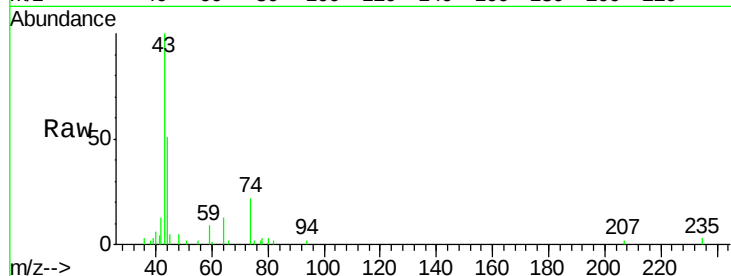




#18  
Methvl Acetate  
Concen: 1.62 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX001615.D  
Acq: 10 May 2018 21:15

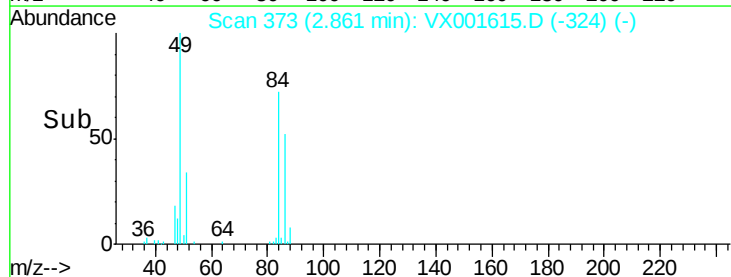
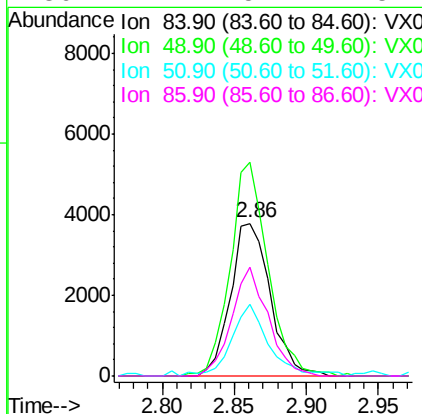
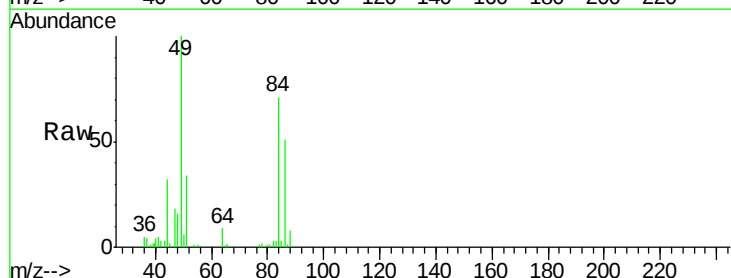
Instrument :  
MSVOA\_X  
ClientSampleId :  
FMS-SOIL-1

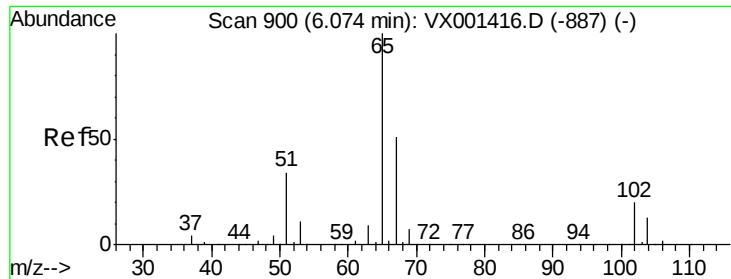
Tot Ion: 43 Resp: 6411  
Ion Ratio Lower Upper  
43 100  
74 26.6 18.6 27.8



#20  
Methylene Chloride  
Concen: 2.44 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX001615.D  
Acq: 10 May 2018 21:15

Tgt Ion: 84 Resp: 7294  
Ion Ratio Lower Upper  
84 100  
49 140.2 96.6 144.8  
51 44.7 29.0 43.4#  
86 71.7 52.2 78.4

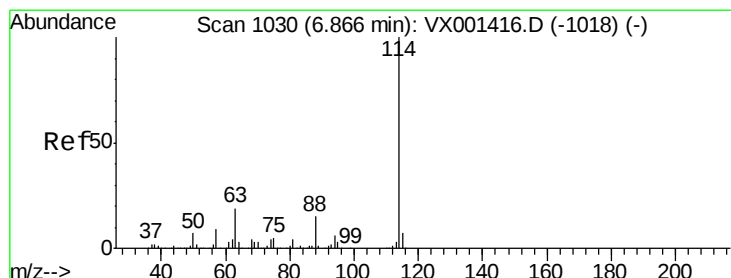
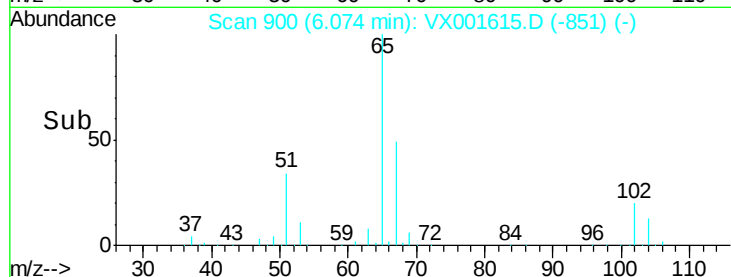
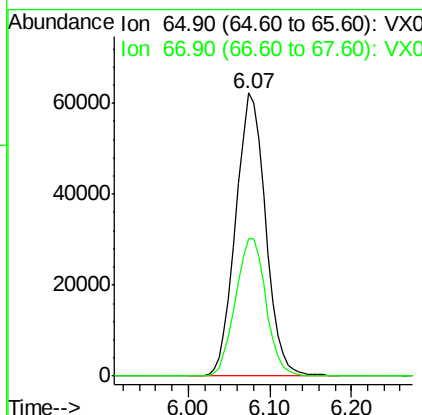
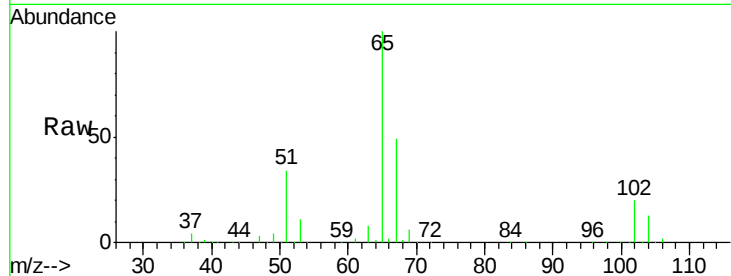




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.67 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX001615.D  
 Acq: 10 May 2018 21:15

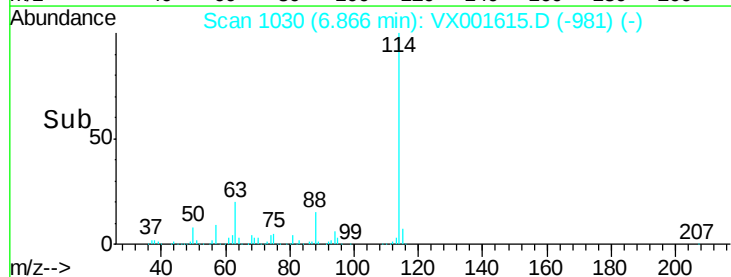
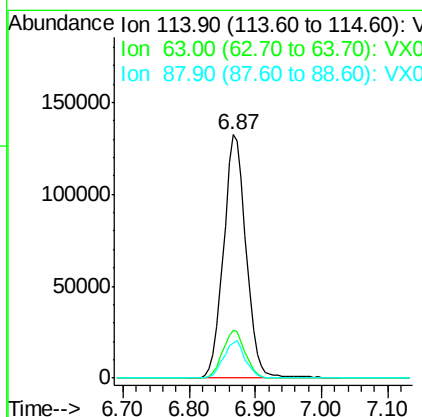
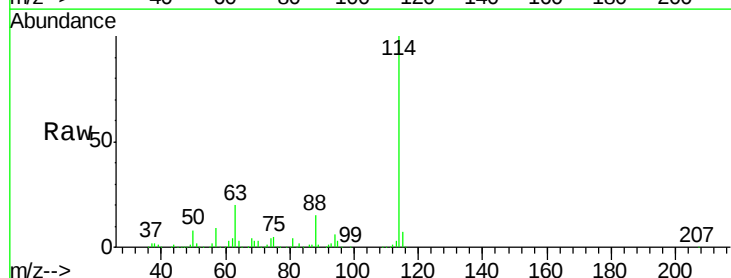
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FMS-SOIL-1

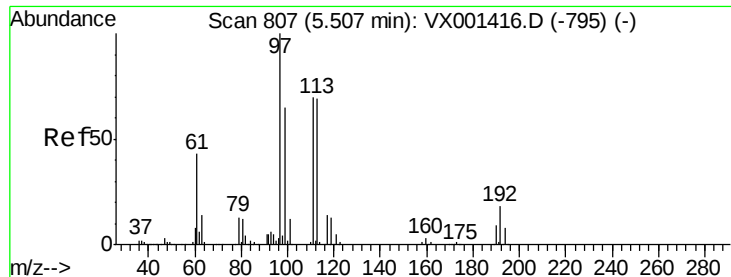
Tot Ion: 65 Resp: 158275  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX001615.D  
 Acq: 10 May 2018 21:15

Tgt Ion: 114 Resp: 313635  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 38.6  
 88 14.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 44.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001615.D

Acq: 10 May 2018 21:15

Instrument :

MSVOA\_X

ClientSampleId :

FMS-SOIL-1

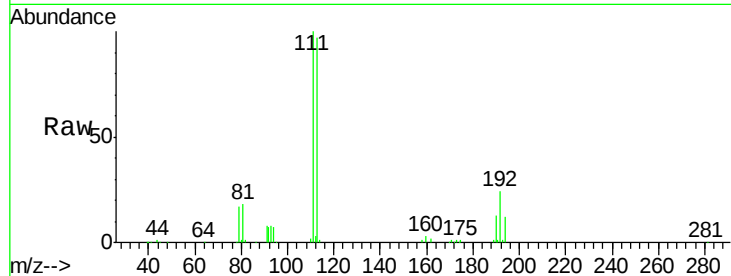
Tot Ion:113 Resp: 122875

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.2

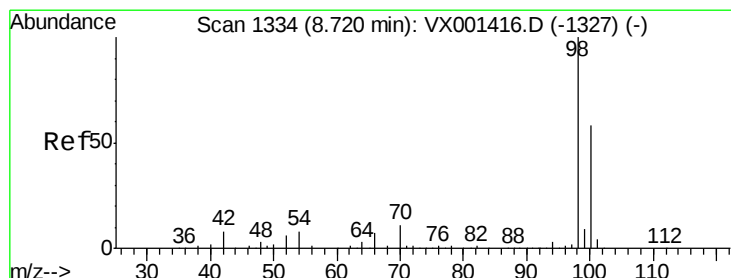
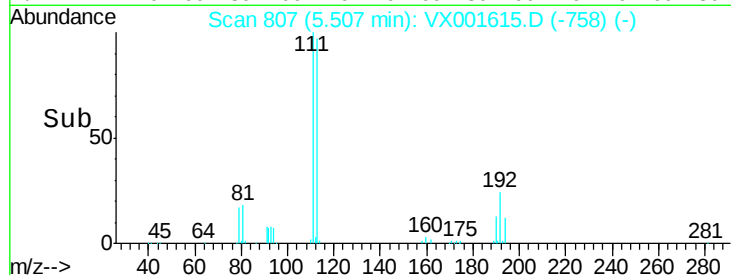
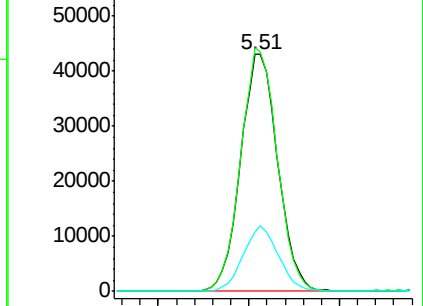
192 26.1 21.4 32.0



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: 42.04 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001615.D

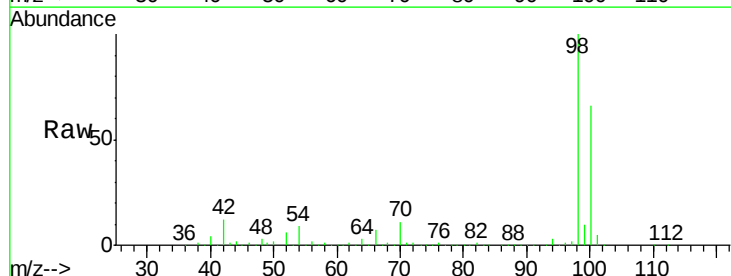
Acq: 10 May 2018 21:15

Tgt Ion: 98 Resp: 428138

Ion Ratio Lower Upper

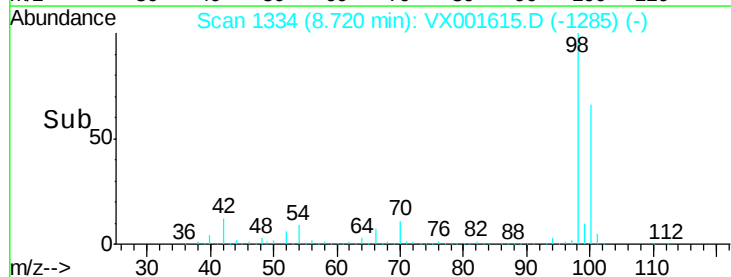
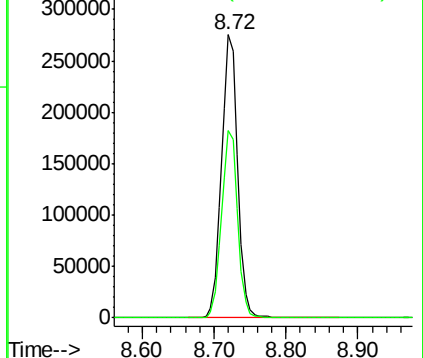
98 100

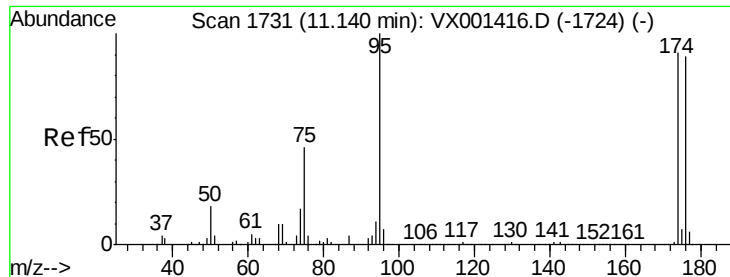
100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

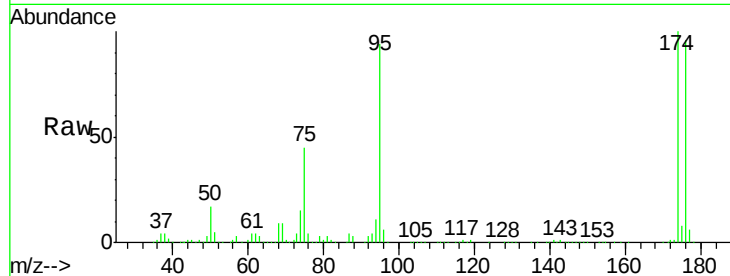




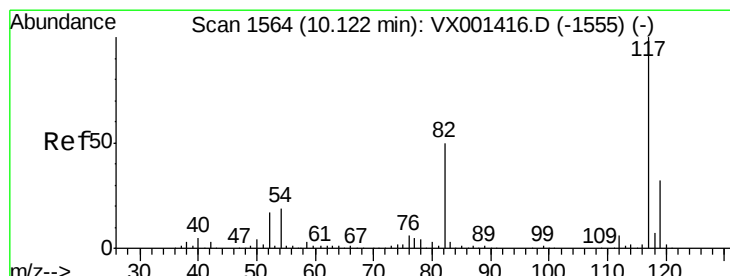
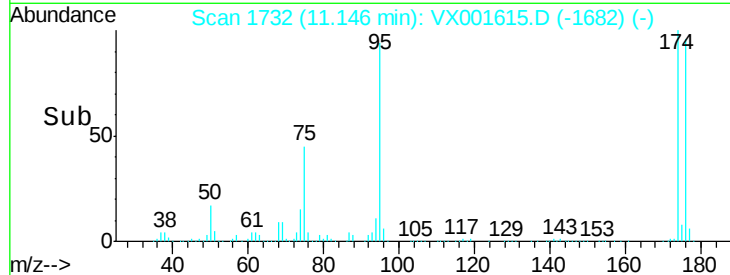
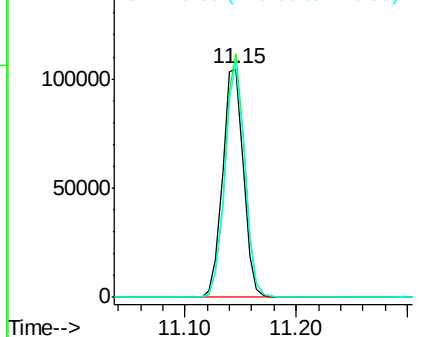
#62  
4-Bromofluorobenzene  
Concen: 34.59 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. 0.01 min  
Lab File: VX001615.D  
Acq: 10 May 2018 21:15

Instrument :  
MSVOA\_X  
ClientSampled :  
FMS-SOIL-1

Tot Ion: 95 Resp: 135211  
Ion Ratio Lower Upper  
95 100  
174 101.0 0.0 202.0  
176 97.7 0.0 197.4

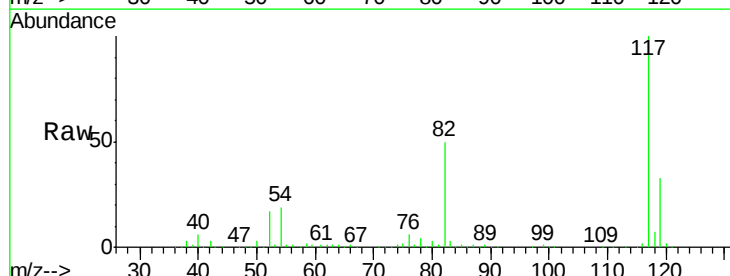


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

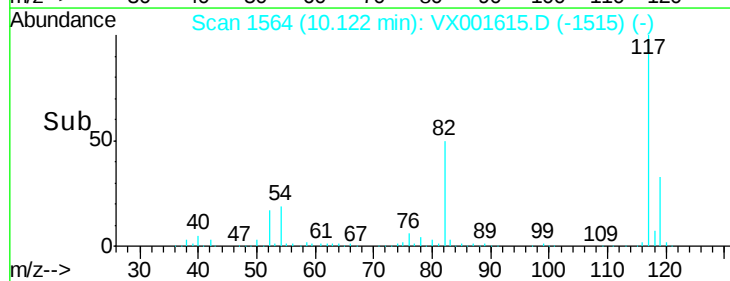
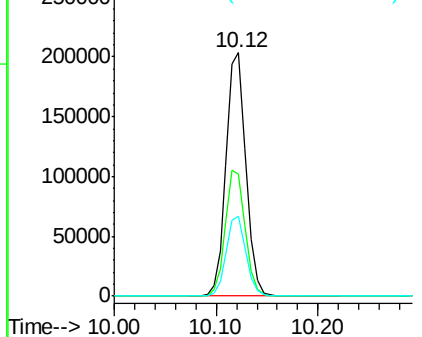


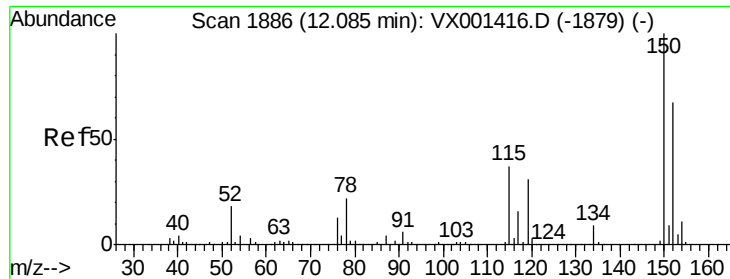
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX001615.D  
Acq: 10 May 2018 21:15

Tgt Ion: 117 Resp: 272725  
Ion Ratio Lower Upper  
117 100  
82 49.9 40.0 60.0  
119 32.8 25.8 38.8



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001615.D

Acq: 10 May 2018 21:15

Instrument :

MSVOA\_X

ClientSampleId :

FMS-SOIL-1

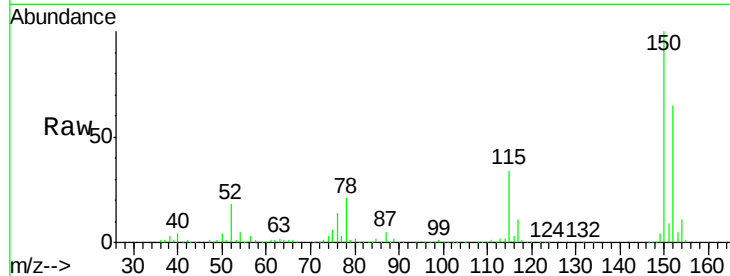
Tot Ion:152 Resp: 141927

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

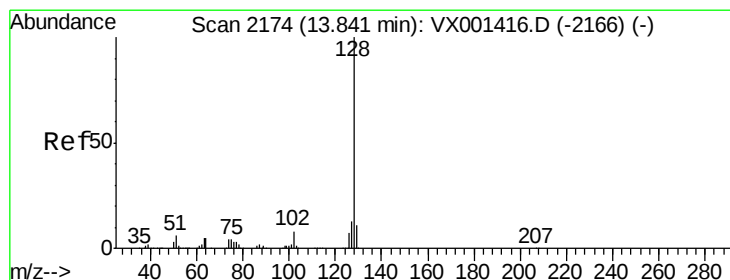
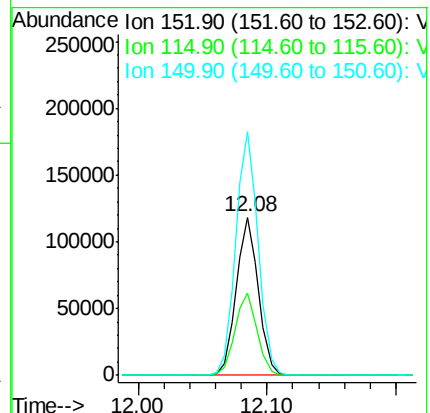
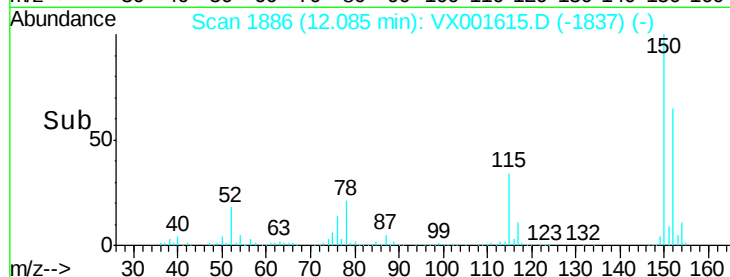
150 156.1 0.0 349.4



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



#95

Naphthalene

Concen: 4.93 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001615.D

Acq: 10 May 2018 21:15

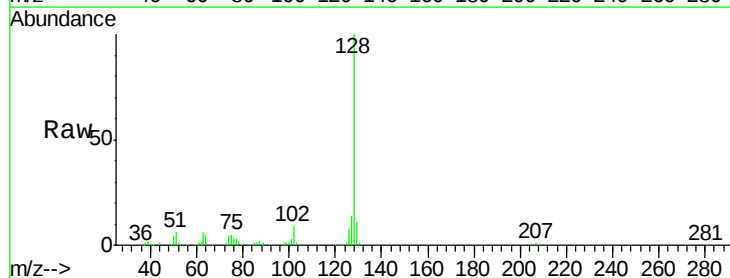
Tgt Ion:128 Resp: 51829

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.6 8.7 13.1



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

