

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\  
 Data File : VU028069.D  
 Acq On : 12 Nov 2018 16:57  
 Operator : MD/SY  
 Sample : J5905-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 06-TANK-SOIL

Quant Time: Nov 13 02:46:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

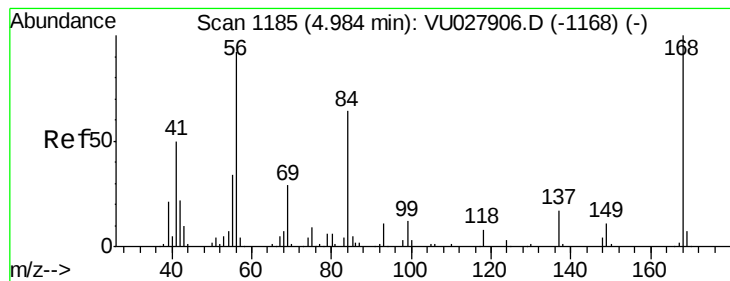
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 166030   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 317050   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 289128   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 111388   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 146465   | 59.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 118.66% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 104599   | 52.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.64% |          |
| 50) Toluene-d8              | 7.57  | 98   | 418338   | 54.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.34% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 134554   | 47.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.48%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 2.84  | 59   | 693      | 1.060     | ug/l # | 73     |
| 13) Acrolein                   | 2.21  | 56   | 63       | Below Cal | #      | 15     |
| 14) Allyl chloride             | 2.70  | 41   | 7625     | 1.793     | ug/l # | 29     |
| 16) Acetone                    | 2.32  | 43   | 24647    | 16.093    | ug/l   | 99     |
| 20) Methylene Chloride         | 2.70  | 84   | 150922   | 67.493    | ug/l   | 97     |
| 25) 2-Butanone                 | 4.30  | 43   | 987      | 0.405     | ug/l # | 54     |
| 30) Chloroform                 | 4.68  | 83   | 3578     | 0.892     | ug/l   | 91     |
| 31) Cyclohexane                | 4.98  | 56   | 4090     | Below Cal | #      | 1      |
| 36) 1,1-Dichloropropene        | 4.98  | 75   | 15348    | 4.622     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 4.98  | 117  | 17361    | 5.900     | ug/l # | 17     |
| 43) Isopropyl Acetate          | 5.56  | 43   | 17468    | 2.292     | ug/l   | 97     |
| 45) 1,2-Dichloropropane        | 6.70  | 63   | 1133     | 0.387     | ug/l # | 44     |
| 48) Methyl methacrylate        | 6.54  | 41   | 8832     | 2.364     | ug/l # | 18     |
| 51) 4-Methyl-2-Pentanone       | 7.42  | 43   | 83497    | 16.402    | ug/l # | 48     |
| 54) cis-1,3-Dichloropropene    | 7.42  | 75   | 35209    | 8.806     | ug/l # | 59     |
| 57) 1,3-Dichloropropane        | 8.42  | 76   | 6690     | 1.512     | ug/l # | 43     |
| 59) 2-Hexanone                 | 8.31  | 43   | 14401    | 3.658     | ug/l # | 26     |
| 60) Dibromochloromethane       | 8.23  | 129  | 1921     | 0.836     | ug/l # | 10     |
| 64) Tetrachloroethene          | 8.23  | 164  | 1949     | 1.040     | ug/l   | 97     |
| 68) m/p-Xylenes                | 9.38  | 106  | 1022     | 0.251     | ug/l # | 61     |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75   | 70519    | 23.145    | ug/l # | 35     |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 2161     | 0.302     | ug/l   | 94     |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75   | 70519    | 57.748    | ug/l # | 100    |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 3195     | 0.444     | ug/l   | 92     |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

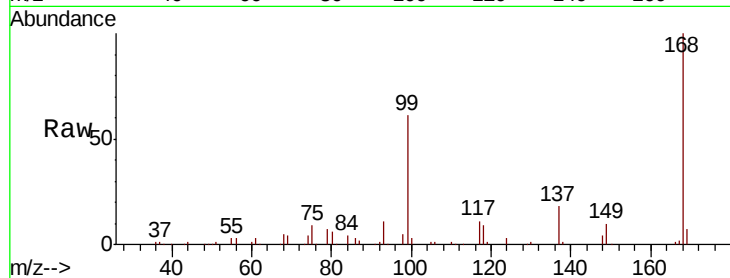
06-TANK-SOIL

Tot Ion:168 Resp: 166030

Ion Ratio Lower Upper

168 100

99 61.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

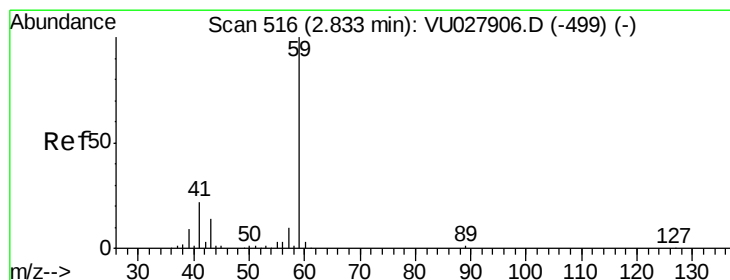
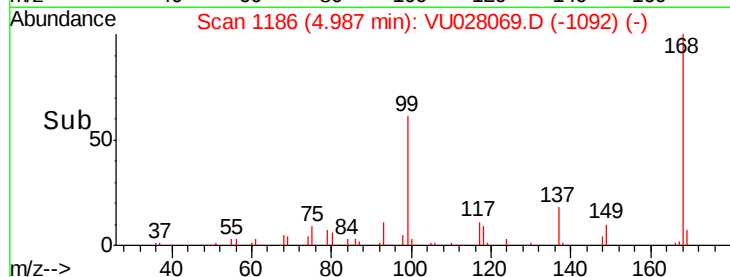
40000

20000

0

Time-->

4.90 4.95 5.00 5.05 5.10



#11

Tert butyl alcohol

Concen: 1.060 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU028069.D

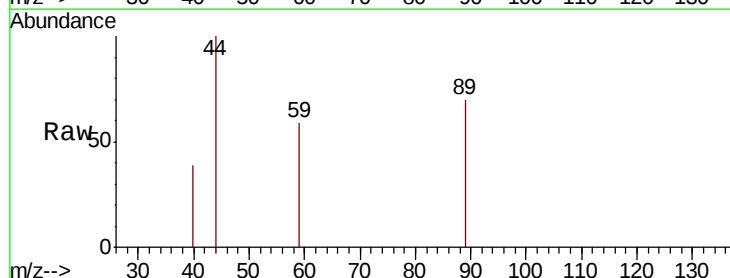
Acq: 12 Nov 2018 16:57

Tgt Ion: 59 Resp: 693

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)

2.84

400

300

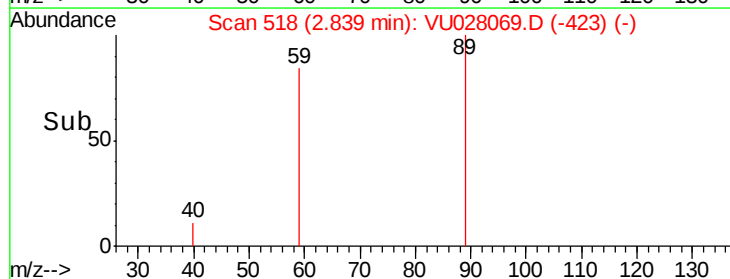
200

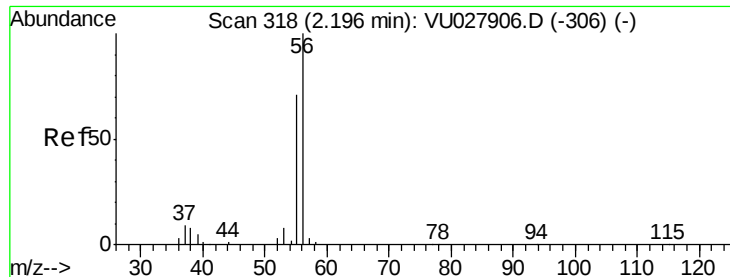
100

0

Time-->

2.80 2.85





#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 323

Delta R.T. 0.02 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

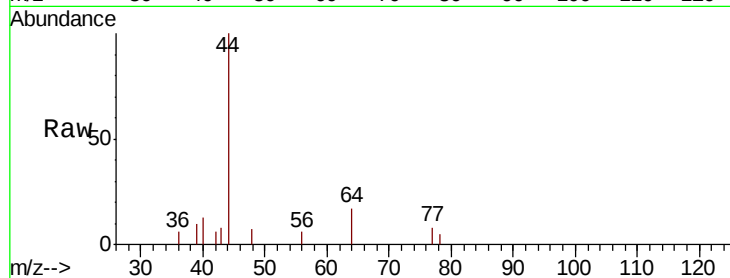
06-TANK-SOIL

Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

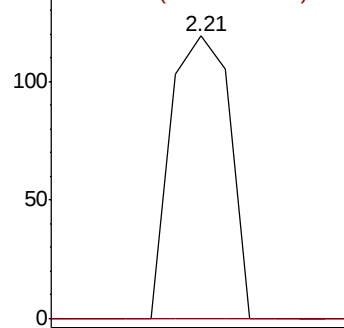
56 100

55 0.0 56.2 84.4#

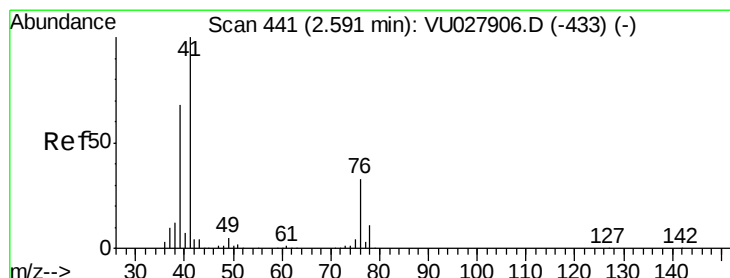
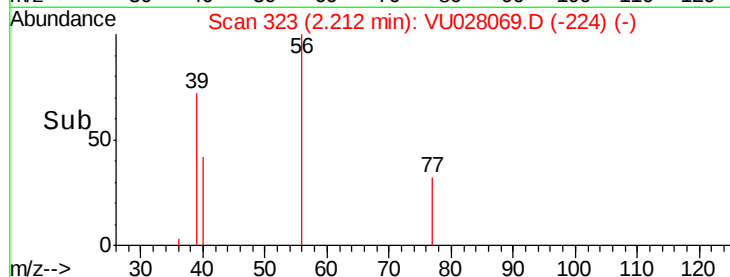


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 1.793 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

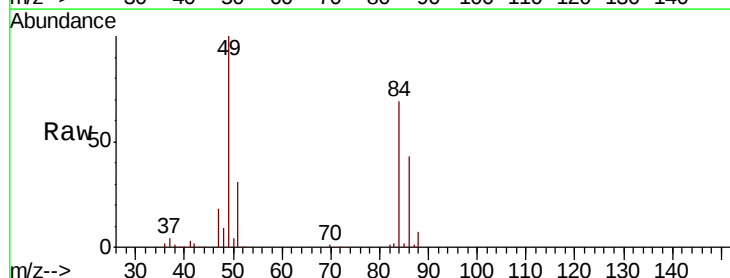
Tgt Ion: 41 Resp: 7625

Ion Ratio Lower Upper

41 100

39 2.8 51.9 77.9#

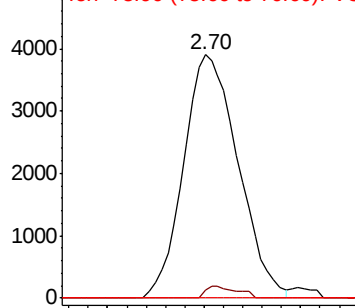
76 0.0 23.8 35.6#



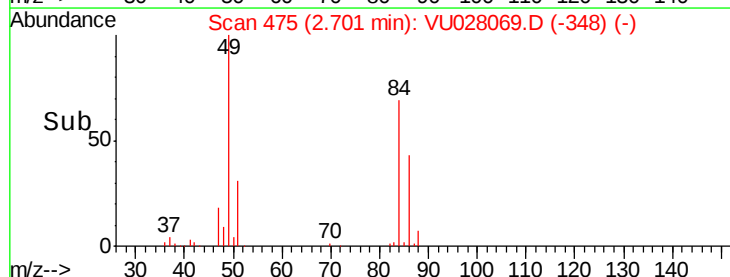
Abundance Ion 41.00 (40.70 to 41.70): VU0

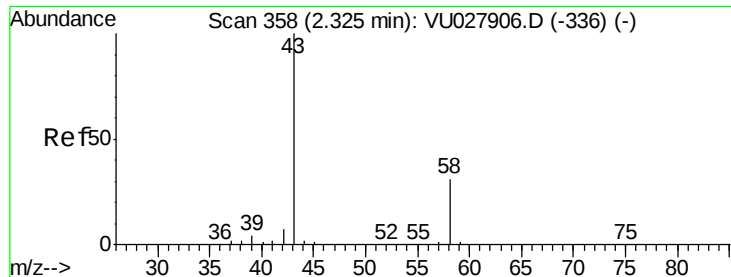
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#16

Acetone

Concen: 16.093 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

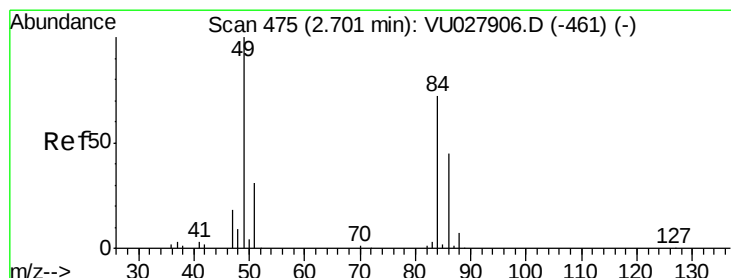
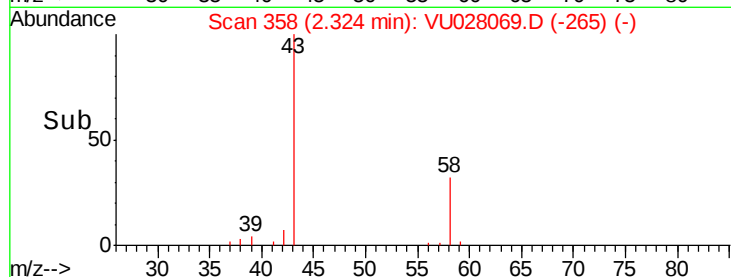
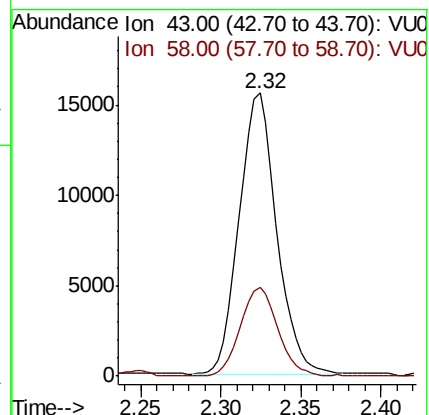
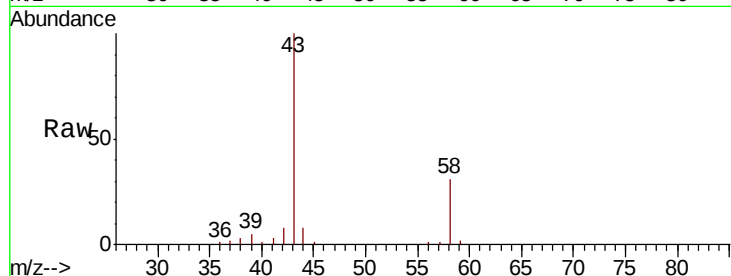
06-TANK-SOIL

Tot Ion: 43 Resp: 24647

Ion Ratio Lower Upper

43 100

58 31.4 24.6 37.0



#20

Methylene Chloride

Concen: 67.493 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Tgt Ion: 84 Resp: 150922

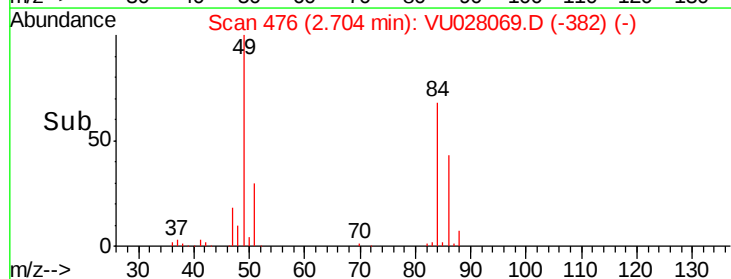
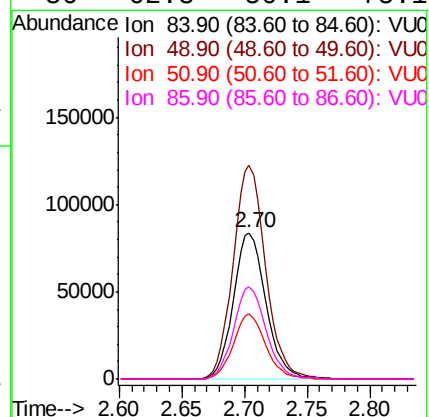
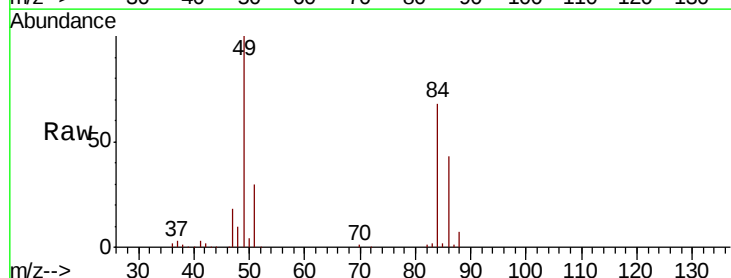
Ion Ratio Lower Upper

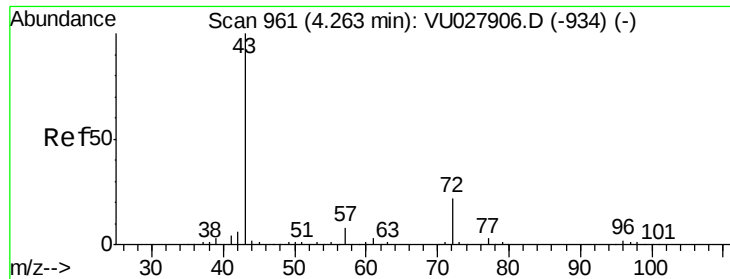
84 100

49 146.2 111.6 167.4

51 44.3 34.8 52.2

86 62.8 50.1 75.1





#25

2-Butanone

Concen: 0.405 ug/l

RT: 4.30 min Scan# 972

Delta R.T. 0.04 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

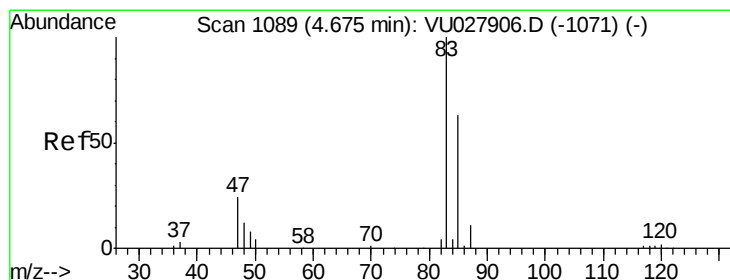
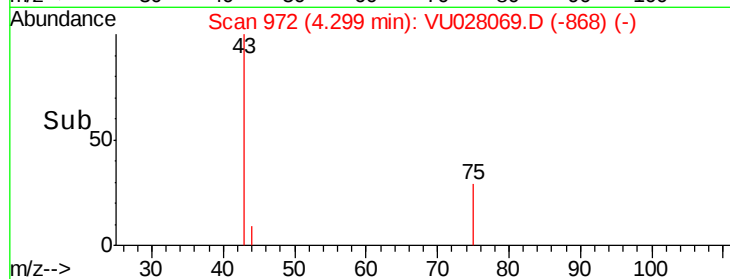
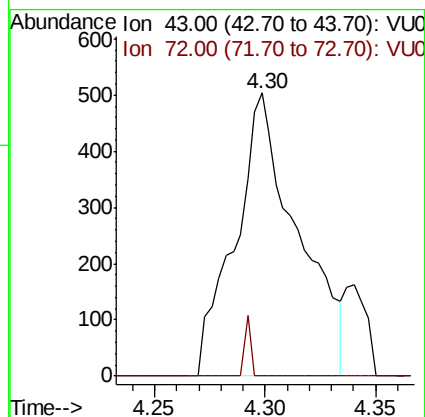
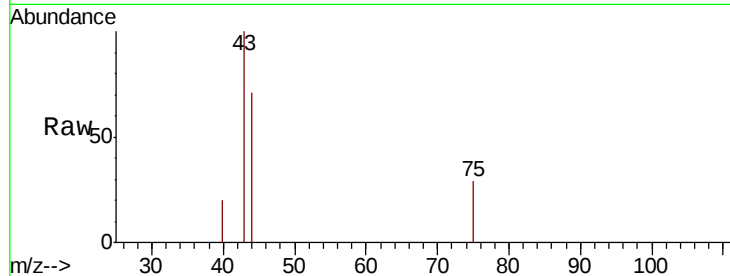
06-TANK-SOIL

Tot Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#30

Chloroform

Concen: 0.892 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028069.D

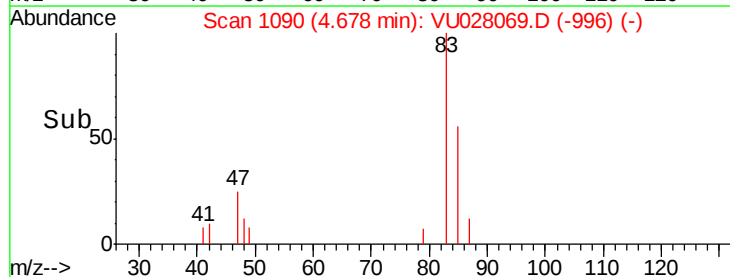
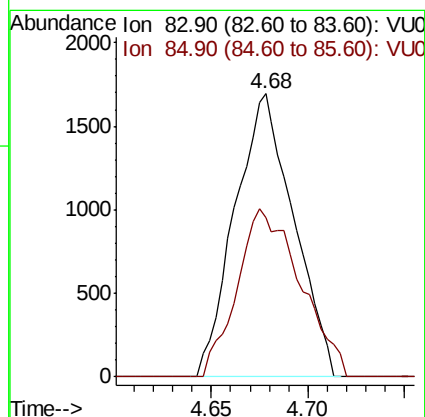
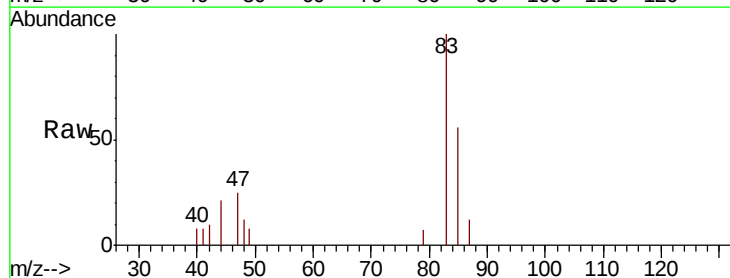
Acq: 12 Nov 2018 16:57

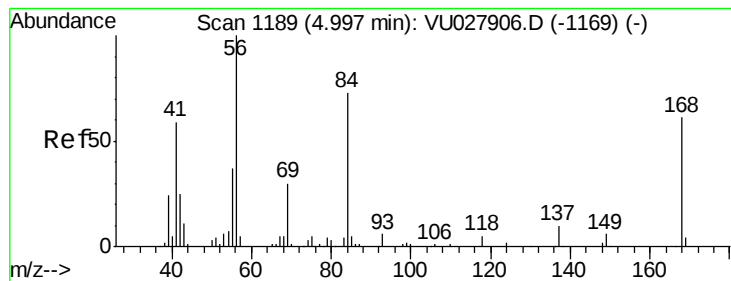
Tgt Ion: 83 Resp: 3578

Ion Ratio Lower Upper

83 100

85 56.3 50.6 76.0





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

06-TANK-SOIL

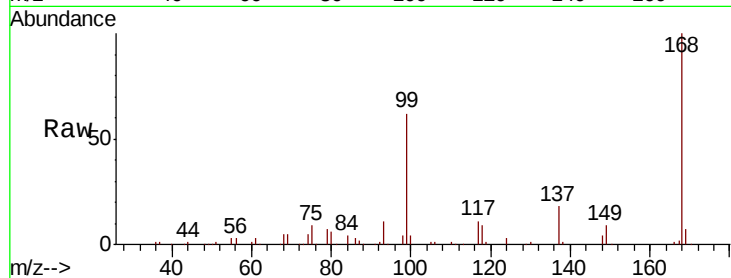
Tot Ion: 56 Resp: 4090

Ion Ratio Lower Upper

56 100

69 168.5 23.7 35.5#

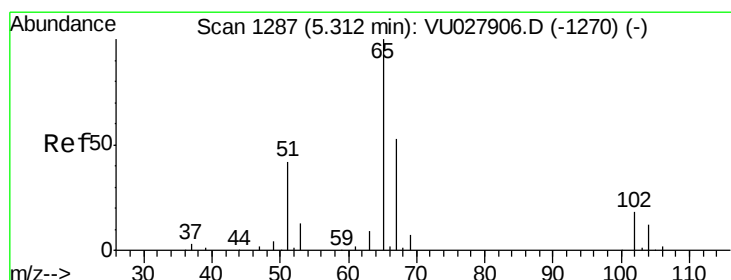
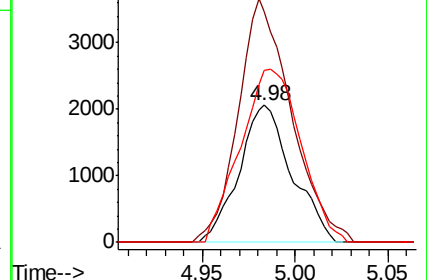
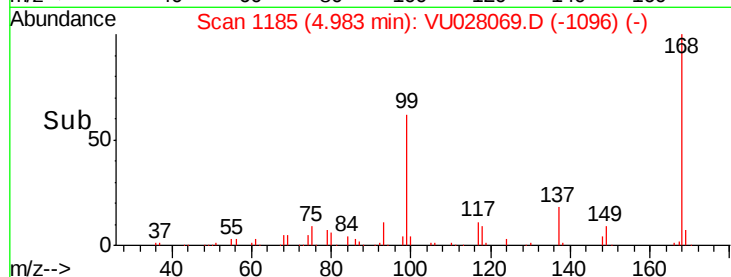
84 125.6 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU028069.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU028069.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU028069.D (-1096) (-)



#33

1,2-Dichloroethane-d4

Concen: 59.335 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028069.D

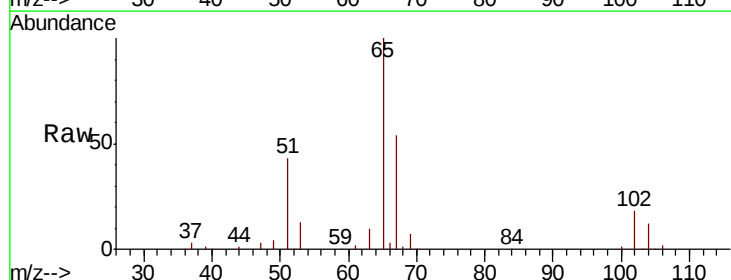
Acq: 12 Nov 2018 16:57

Tgt Ion: 65 Resp: 146465

Ion Ratio Lower Upper

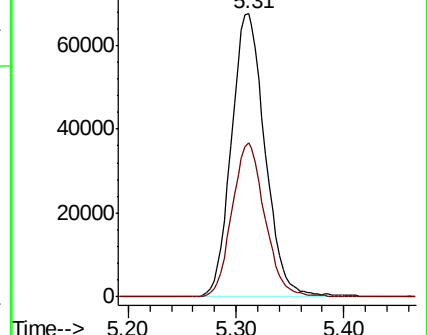
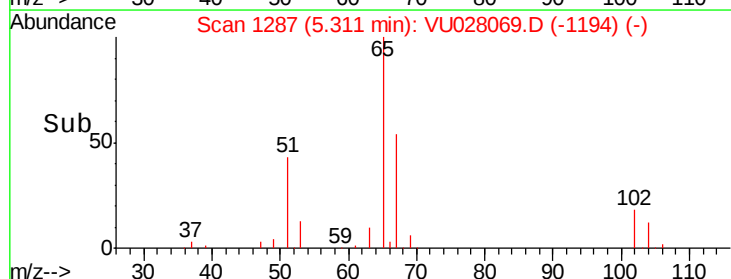
65 100

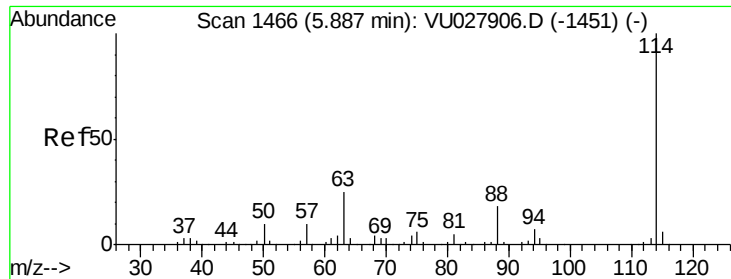
67 53.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU028069.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU028069.D (-1194) (-)

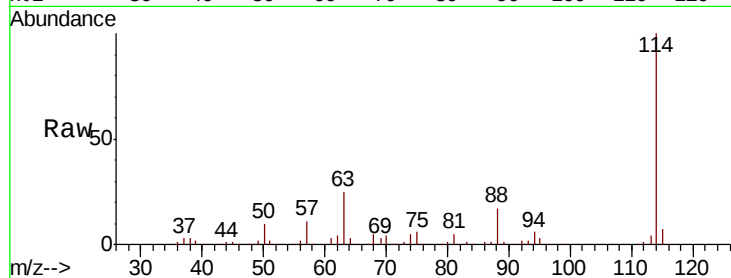




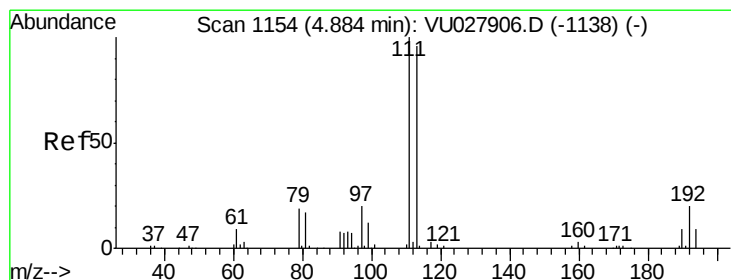
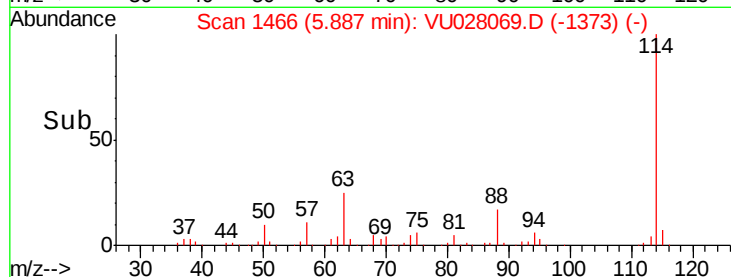
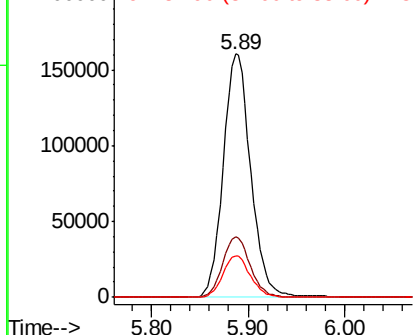
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU028069.D  
 Acq: 12 Nov 2018 16:57

Instrument :  
 MSVOA\_U  
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 06-TANK-SOIL

Tot Ion:114 Resp: 317050  
 Ion Ratio Lower Upper  
 114 100  
 63 24.7 0.0 50.8  
 88 17.0 0.0 35.8

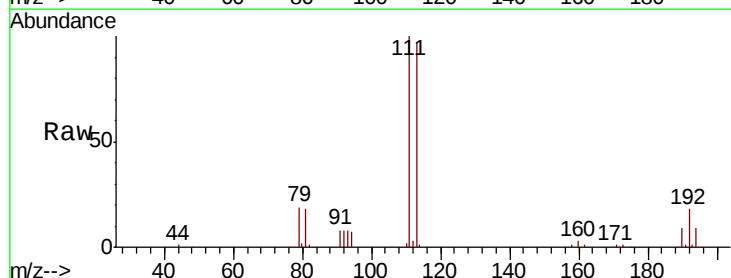


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

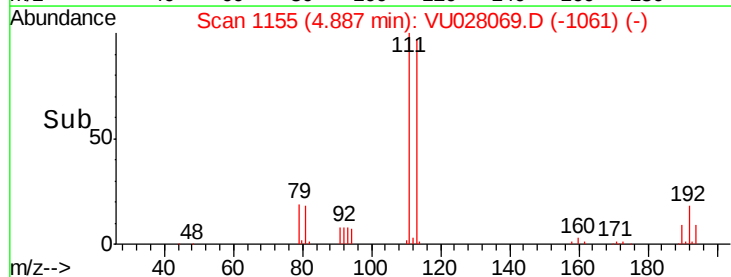
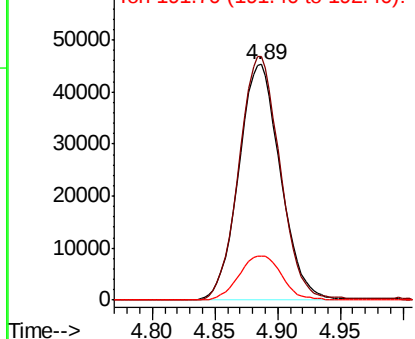


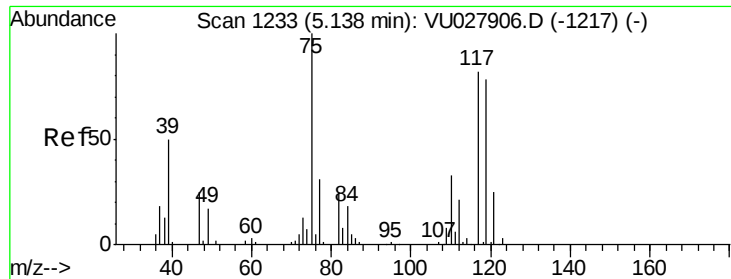
#35  
 Dibromofluoromethane  
 Concen: 52.324 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU028069.D  
 Acq: 12 Nov 2018 16:57

Tgt Ion:113 Resp: 104599  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 83.0 124.6  
 192 19.2 15.6 23.4



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

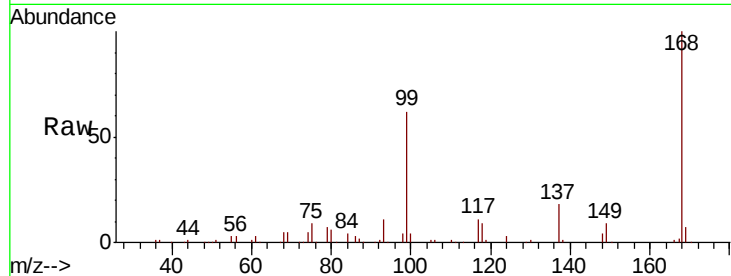




#36  
 1,1-Dichloropropene  
 Concen: 4.622 ug/l  
 RT: 4.98 min Scan# 1185  
 Delta R.T. -0.15 min  
 Lab File: VU028069.D  
 Acq: 12 Nov 2018 16:57

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 06-TANK-SOIL

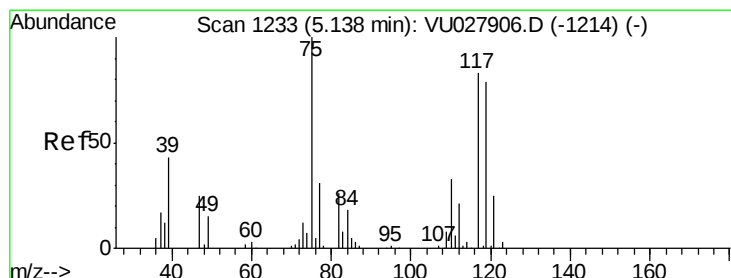
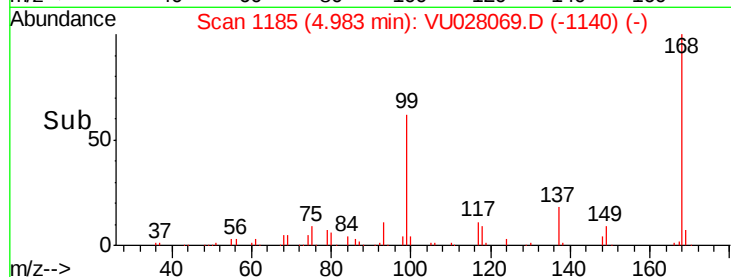
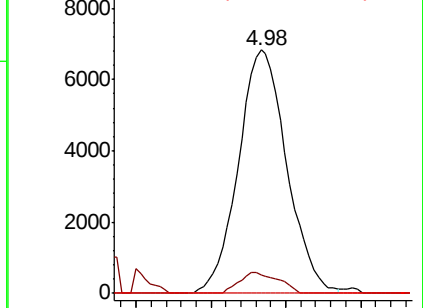
| Tot Ion   | 75  | Resp  | 15348 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 75        | 100 |       |       |
| 110       | 7.0 | 16.5  | 49.5# |
| 77        | 0.0 | 24.9  | 37.3# |



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

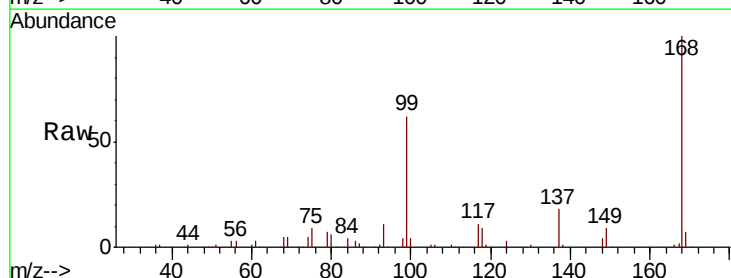
Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)



#38  
 Carbon Tetrachloride  
 Concen: 5.900 ug/l  
 RT: 4.98 min Scan# 1185  
 Delta R.T. -0.15 min  
 Lab File: VU028069.D  
 Acq: 12 Nov 2018 16:57

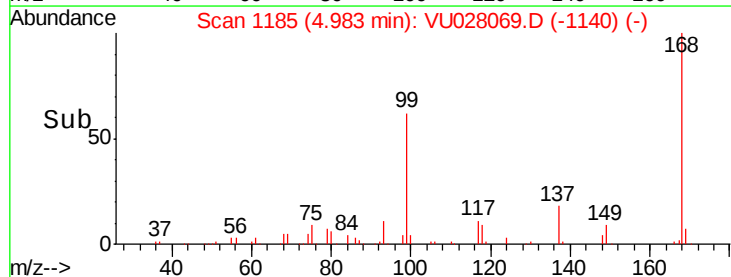
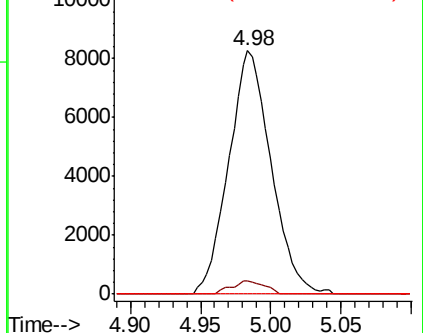
| Tgt Ion   | 117 | Resp  | 17361  |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 117       | 100 |       |        |
| 119       | 5.5 | 76.0  | 114.0# |
| 121       | 0.0 | 24.5  | 36.7#  |

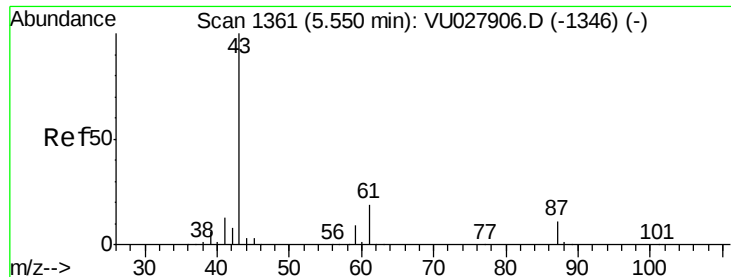


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)





#43

Isopropyl Acetate

Concen: 2.292 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

06-TANK-SOIL

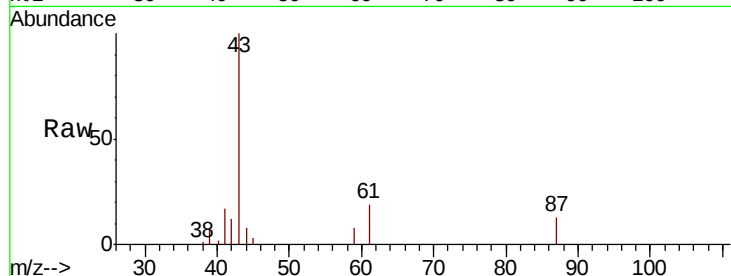
Tot Ion: 43 Resp: 17468

Ion Ratio Lower Upper

43 100

61 16.9 15.0 22.4

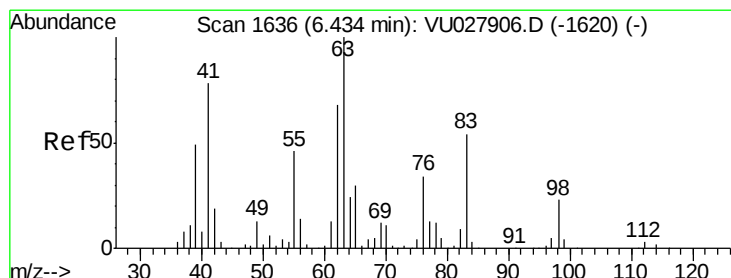
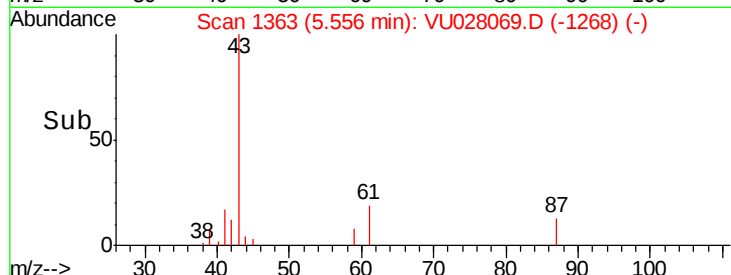
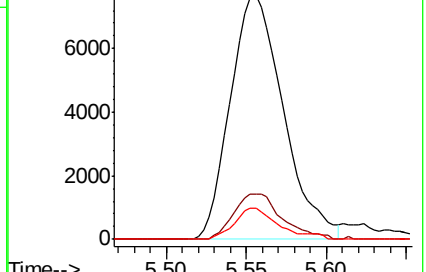
87 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#45

1,2-Dichloropropane

Concen: 0.387 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU028069.D

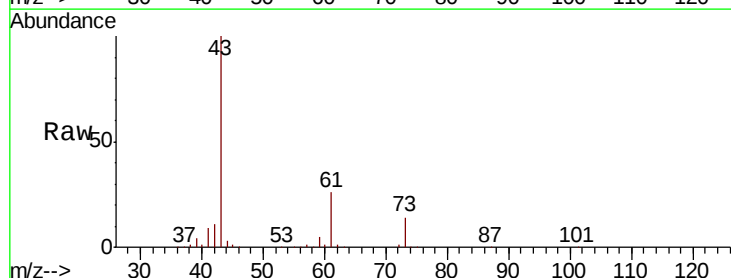
Acq: 12 Nov 2018 16:57

Tgt Ion: 63 Resp: 1133

Ion Ratio Lower Upper

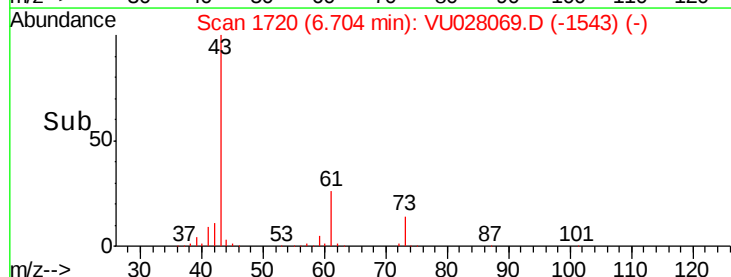
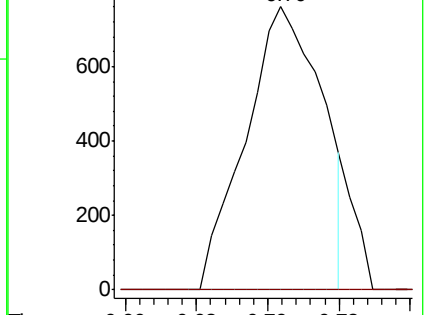
63 100

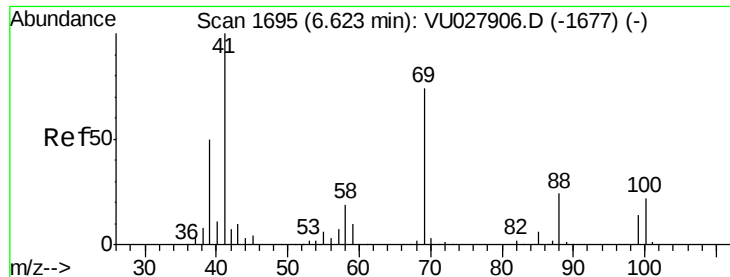
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1620) (-)

Ion 64.90 (64.60 to 65.60): VU027906.D (-1620) (-)

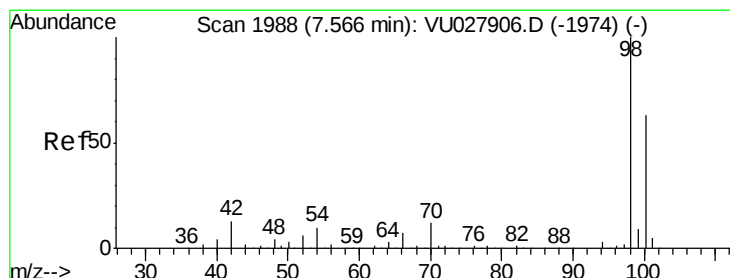
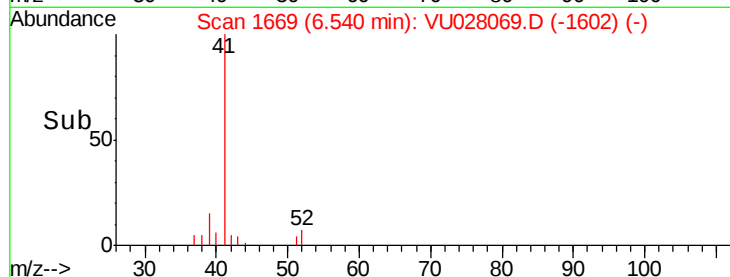
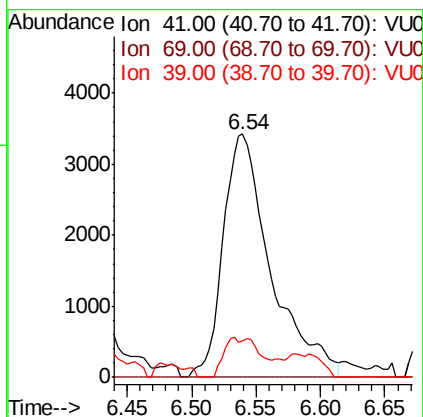
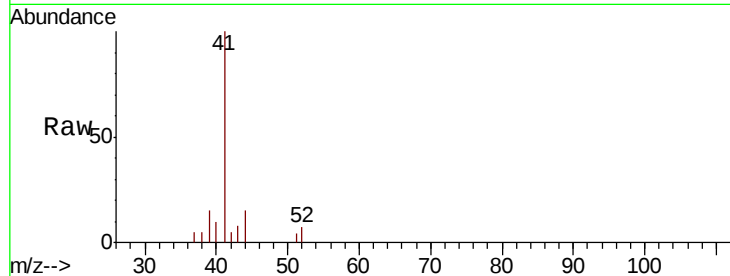




#48  
Methvl methacrylate  
Concen: 2.364 ug/l  
RT: 6.54 min Scan# 1669  
Delta R.T. -0.08 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

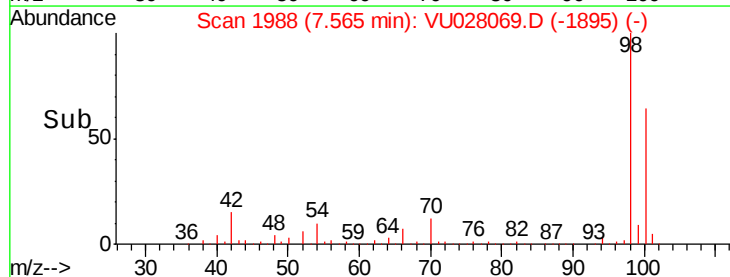
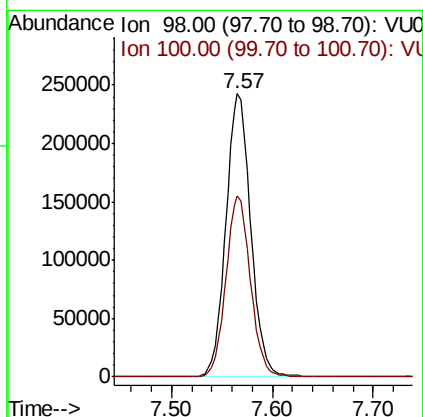
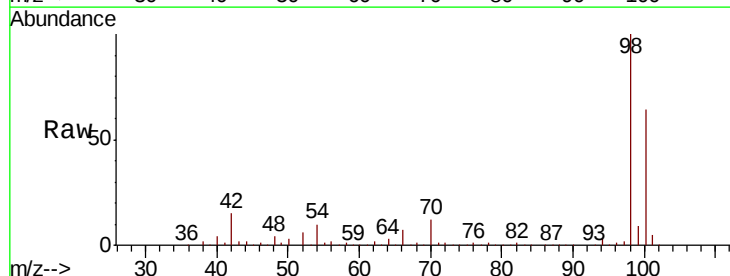
Instrument :  
MSVOA\_U  
ClientSampleId :  
06-TANK-SOIL

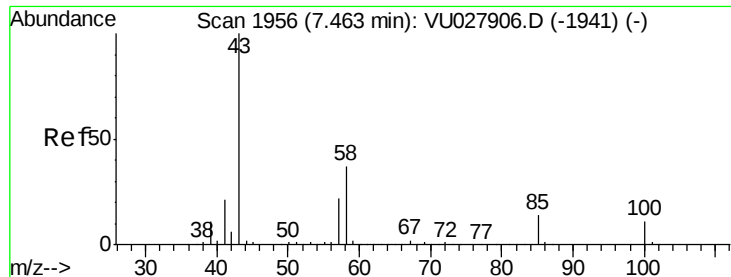
Tot Ion: 41 Resp: 8832  
Ion Ratio Lower Upper  
41 100  
69 0.0 59.8 89.8#  
39 0.0 40.0 60.0#



#50  
Toluene-d8  
Concen: 54.174 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Tgt Ion: 98 Resp: 418338  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 16.402 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

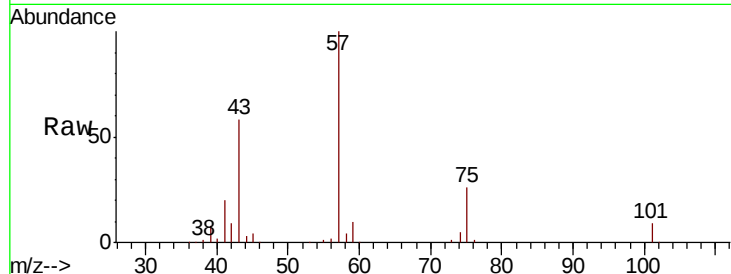
06-TANK-SOIL

Tot Ion: 43 Resp: 83497

Ion Ratio Lower Upper

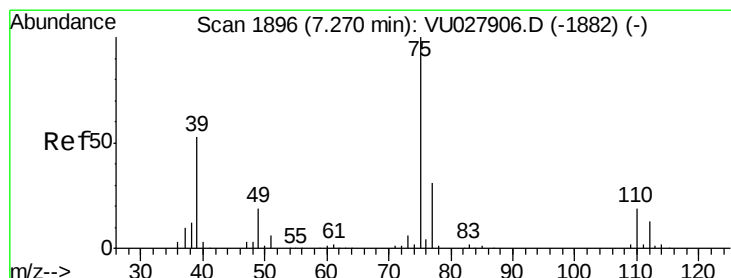
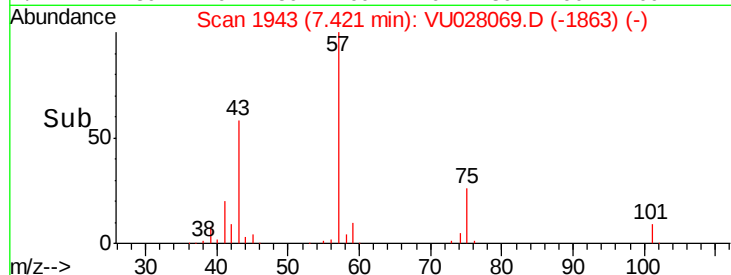
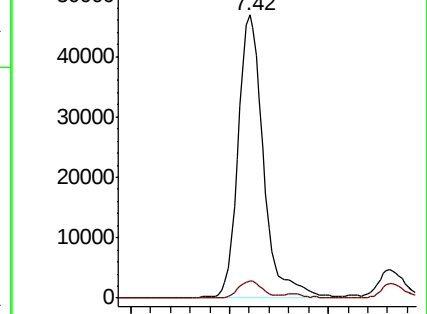
43 100

58 5.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)



#54

cis-1,3-Dichloropropene

Concen: 8.806 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

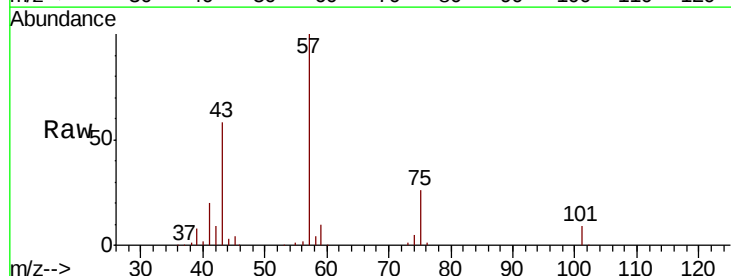
Tgt Ion: 75 Resp: 35209

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

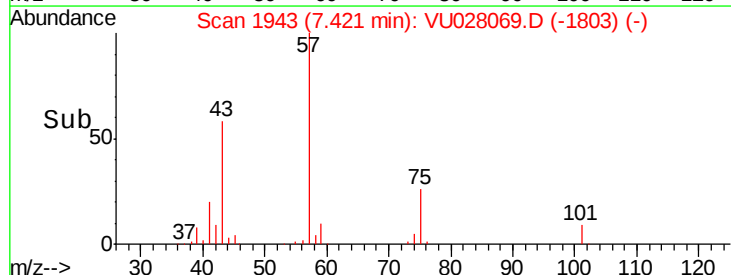
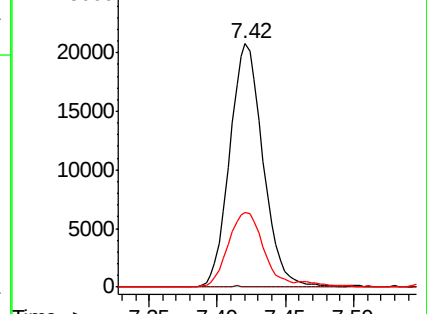
39 30.8 42.6 64.0#

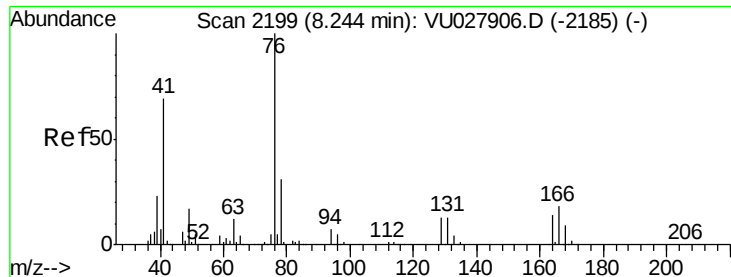


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1882) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1882) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1882) (-)

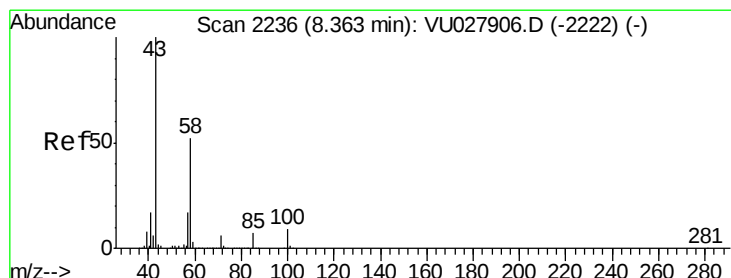
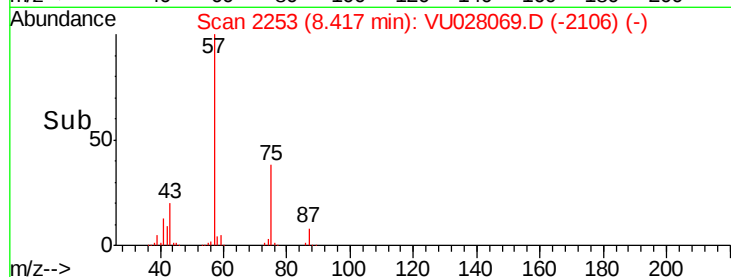
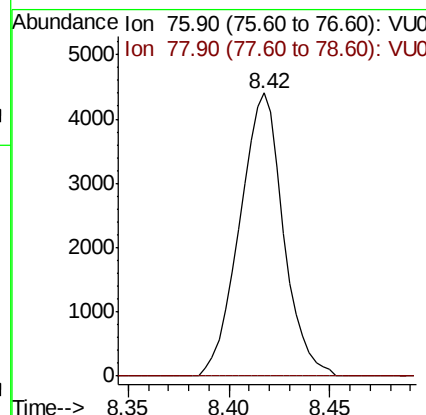
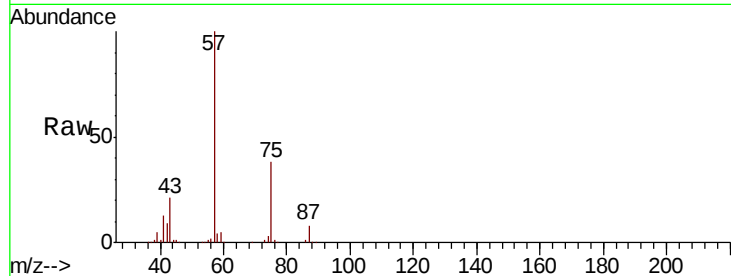




#57  
 1,3-Dichloropropane  
 Concen: 1.512 ug/l  
 RT: 8.42 min Scan# 2253  
 Delta R.T. 0.17 min  
 Lab File: VU028069.D  
 Acq: 12 Nov 2018 16:57

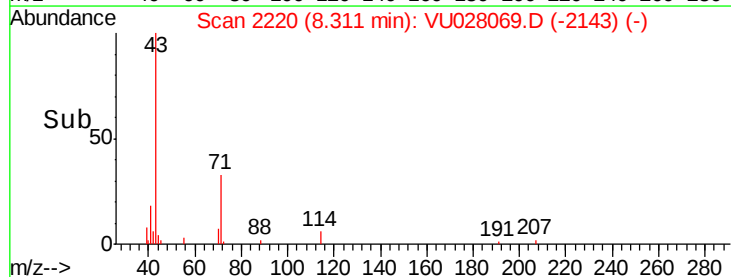
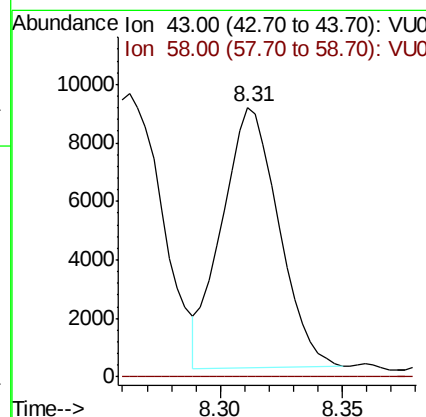
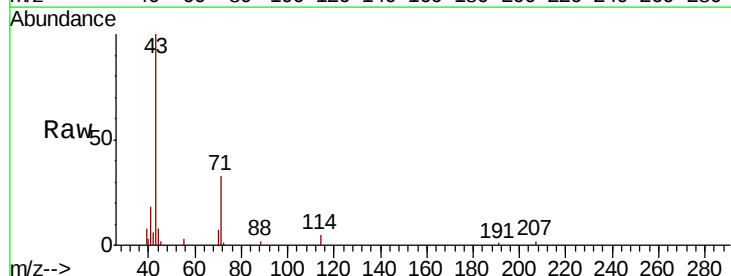
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 06-TANK-SOIL

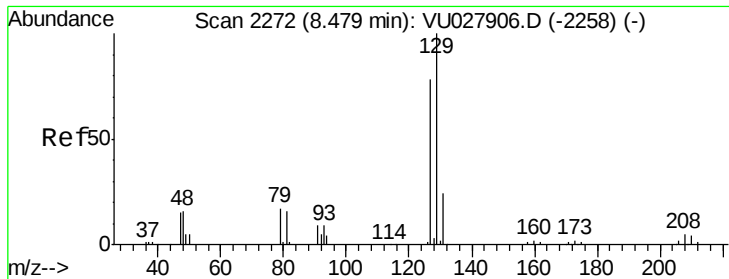
Tot Ion: 76 Resp: 6690  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.3 37.9#



#59  
 2-Hexanone  
 Concen: 3.658 ug/l  
 RT: 8.31 min Scan# 2220  
 Delta R.T. -0.05 min  
 Lab File: VU028069.D  
 Acq: 12 Nov 2018 16:57

Tgt Ion: 43 Resp: 14401  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 25.8 77.3#





#60

Dibromochloromethane

Concen: 0.836 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

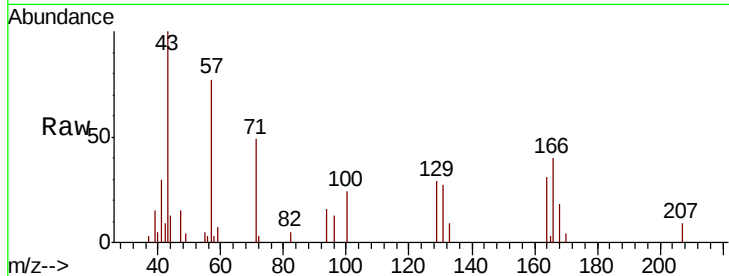
06-TANK-SOIL

Tot Ion:129 Resp: 1921

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

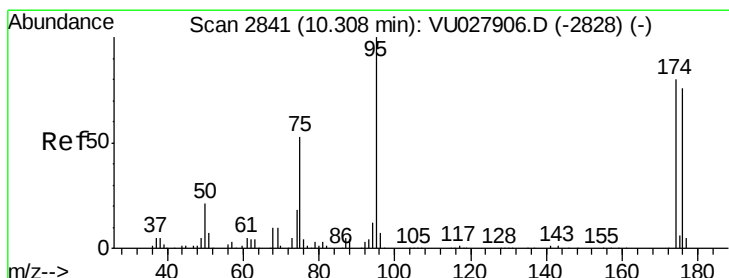
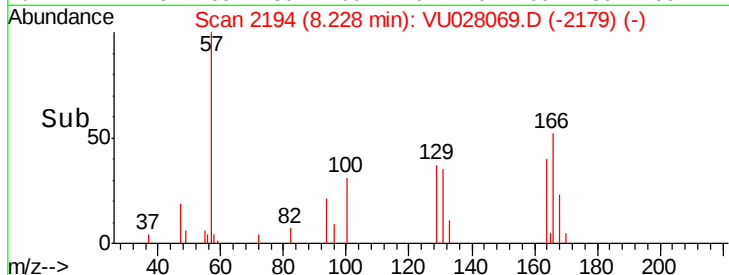
8.23

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.241 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

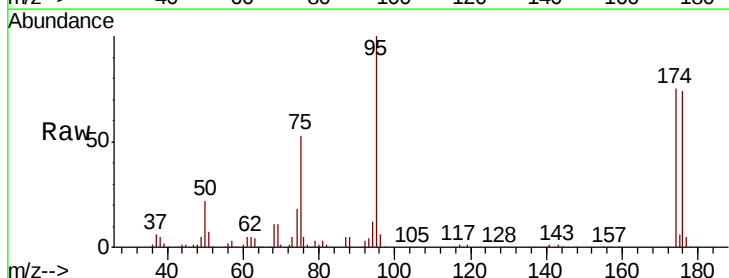
Tgt Ion: 95 Resp: 134554

Ion Ratio Lower Upper

95 100

174 75.6 0.0 156.4

176 73.4 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

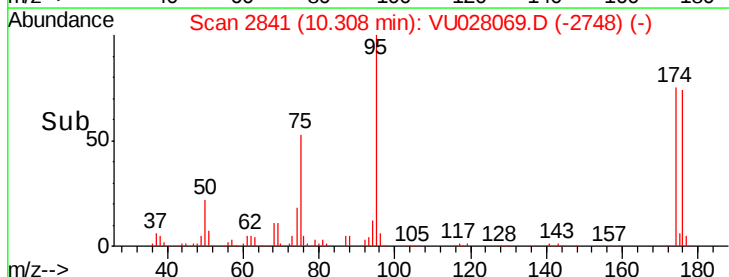
60000

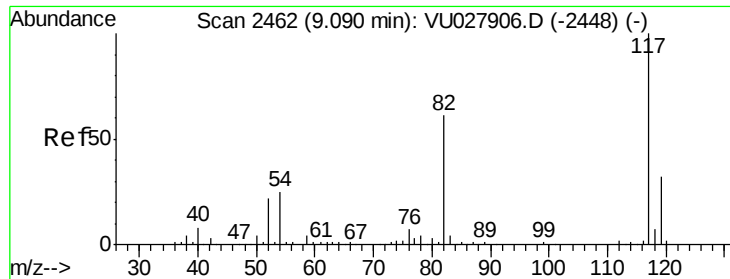
40000

20000

0

Time-->

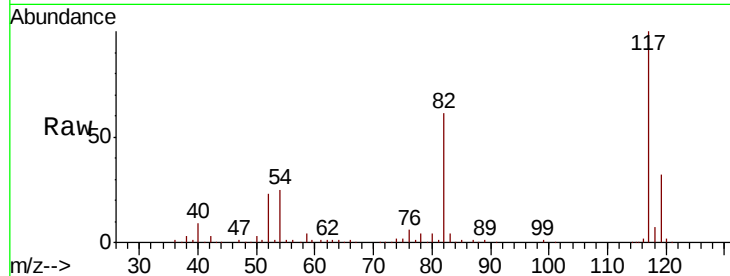




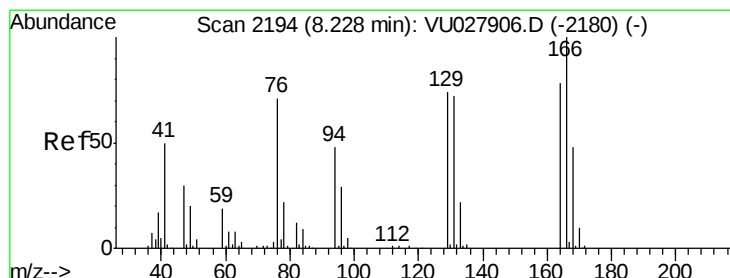
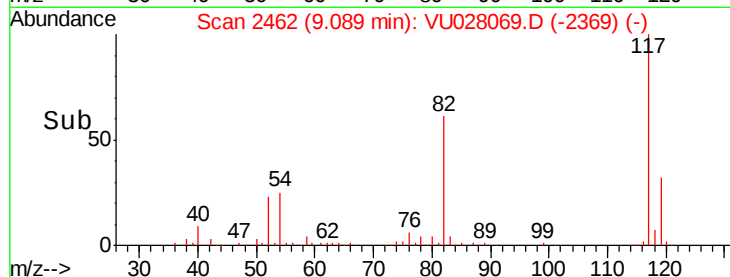
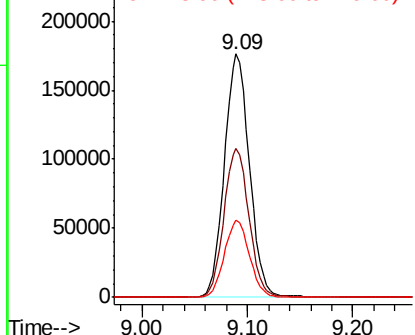
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
06-TANK-SOIL

Tot Ion:117 Resp: 289128  
Ion Ratio Lower Upper  
117 100  
82 61.1 48.6 73.0  
119 31.5 25.8 38.8

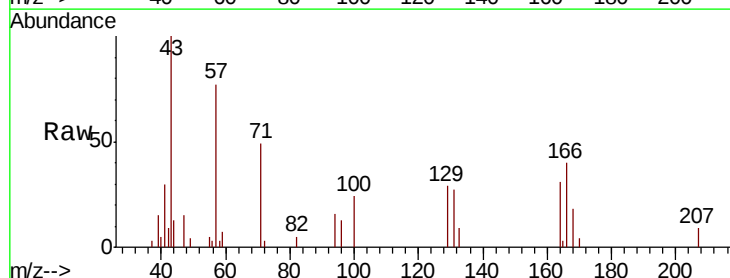


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

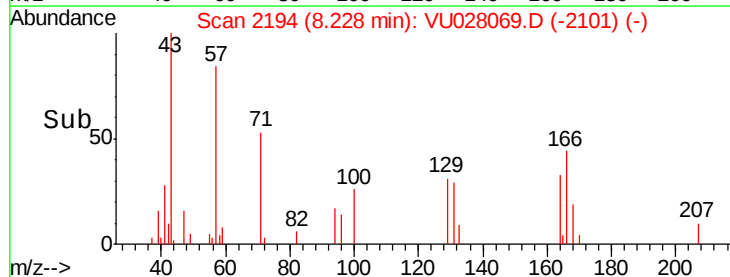
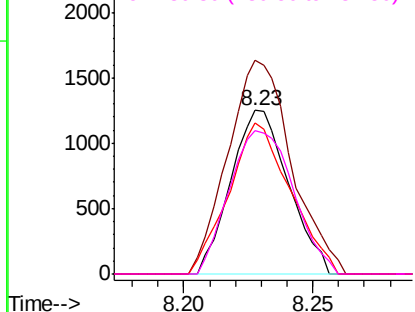


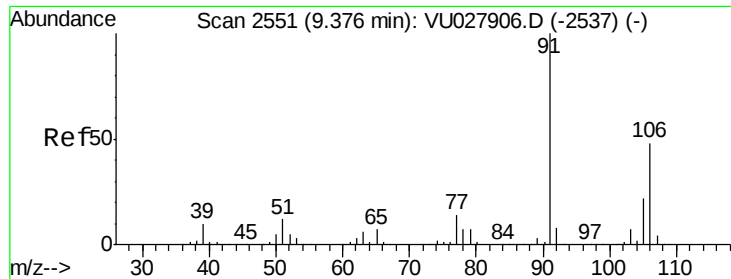
#64  
Tetrachloroethene  
Concen: 1.040 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Tgt Ion:164 Resp: 1949  
Ion Ratio Lower Upper  
164 100  
166 130.6 102.1 153.1  
129 92.6 75.9 113.9  
131 87.7 73.0 109.6



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

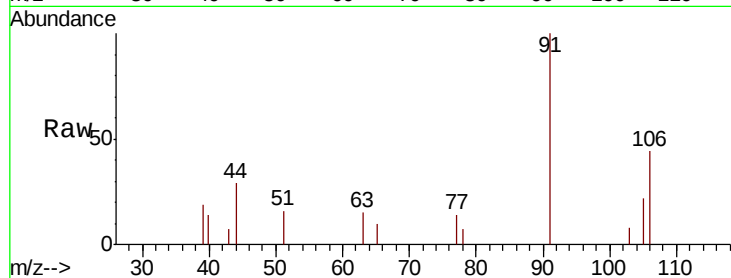




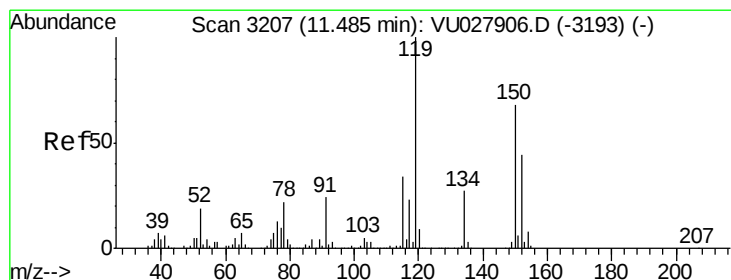
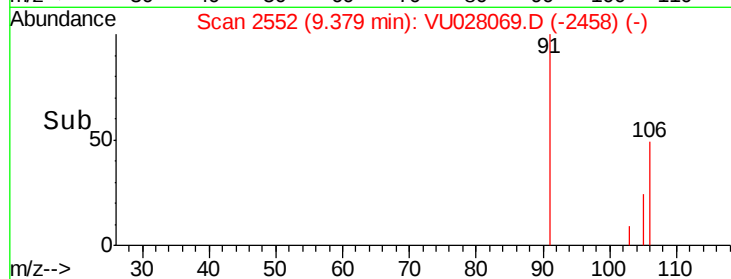
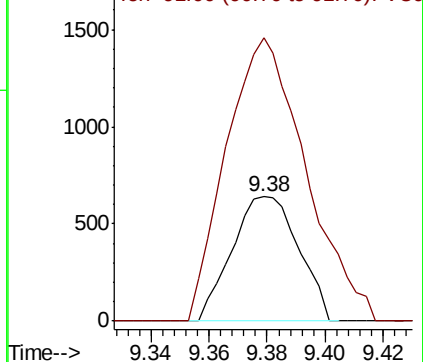
#68  
m/p-Xylenes  
Concen: 0.251 ug/l  
RT: 9.38 min Scan# 2552  
Delta R.T. 0.00 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
06-TANK-SOIL

Tot Ion:106 Resp: 1022  
Ion Ratio Lower Upper  
106 100  
91 271.3 168.2 252.4#

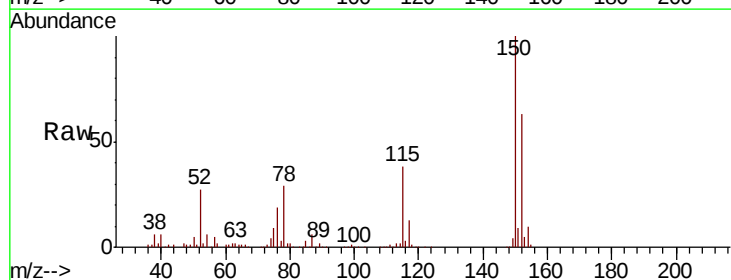


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

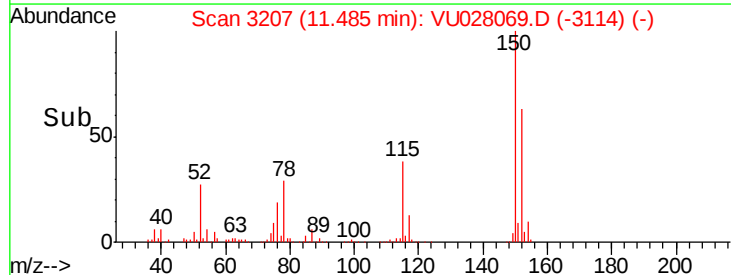
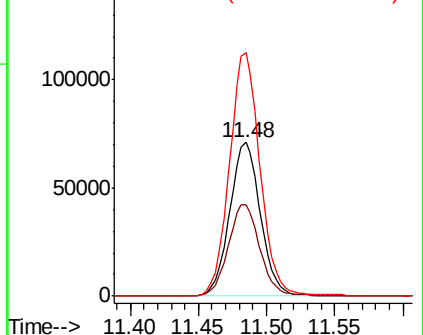


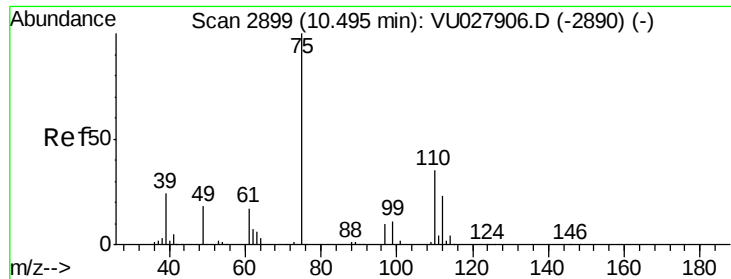
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Tgt Ion:152 Resp: 111388  
Ion Ratio Lower Upper  
152 100  
115 61.2 43.0 129.0  
150 157.2 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





#76

1,2,3-Trichloropropane

Concen: 23.145 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028069.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA\_U

ClientSampleId :

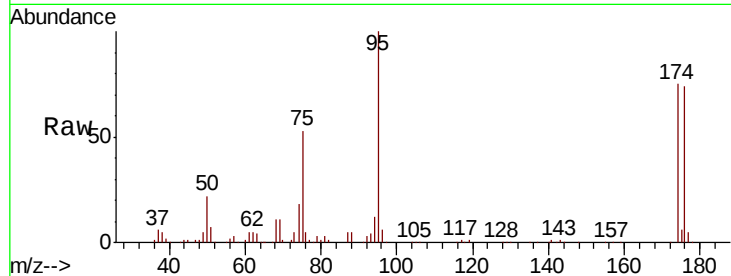
06-TANK-SOIL

Tot Ion: 75 Resp: 70519

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU028069.D (-2806) (-)

10.31

40000

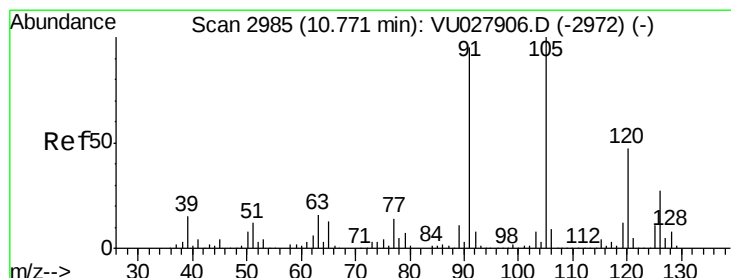
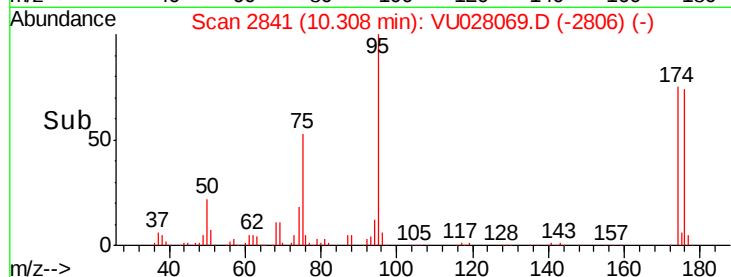
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.302 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.01 min

Lab File: VU028069.D

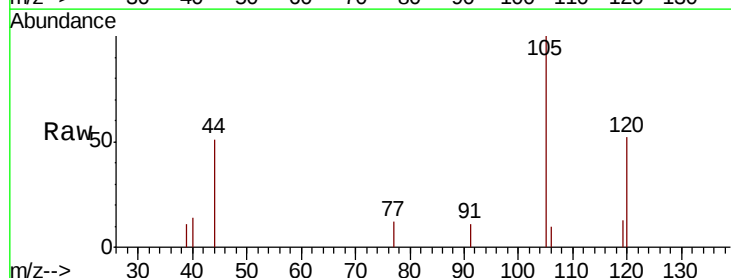
Acq: 12 Nov 2018 16:57

Tgt Ion: 105 Resp: 2161

Ion Ratio Lower Upper

105 100

120 42.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028069.D (-2892) (-)

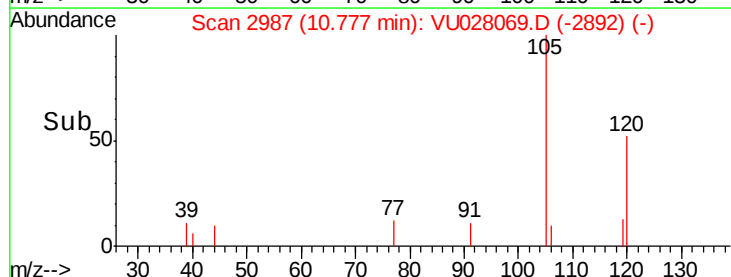
10.78

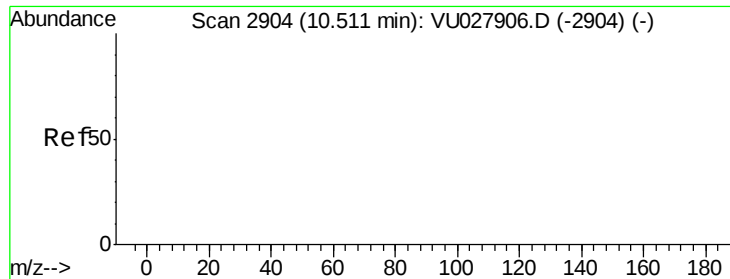
1000

500

0

Time-->

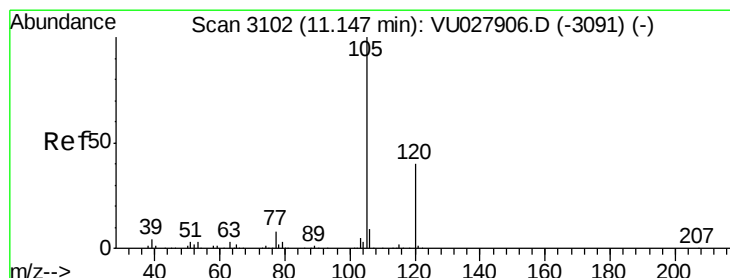
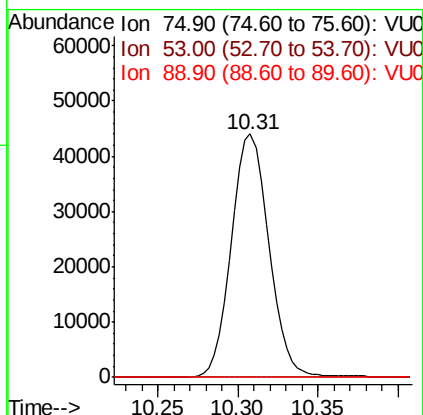
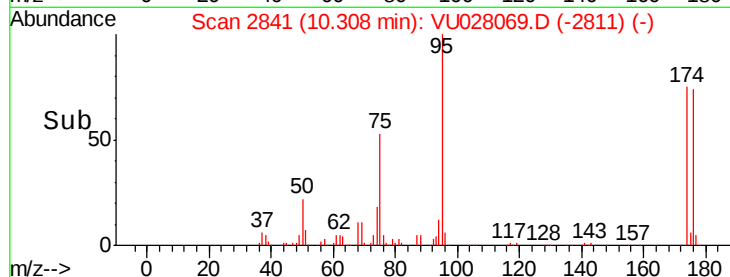
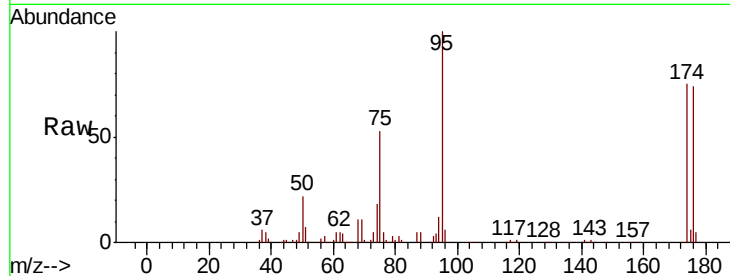




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.748 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.20 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
06-TANK-SOIL

Tot Ion: 75 Resp: 70519  
Ion Ratio Lower Upper  
75 100  
53 0.0 0.0 0.0  
89 0.0 0.0 0.0



#84  
1,2,4-Trimethylbenzene  
Concen: 0.444 ug/l  
RT: 11.15 min Scan# 3103  
Delta R.T. 0.00 min  
Lab File: VU028069.D  
Acq: 12 Nov 2018 16:57

Tgt Ion:105 Resp: 3195  
Ion Ratio Lower Upper  
105 100  
120 38.6 22.1 66.1

