

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\  
 Data File : VU028431.D  
 Acq On : 03 Dec 2018 11:16  
 Operator : MD/SY  
 Sample : J6159-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CB-1129-S-TCLP-GRID19

Quant Time: Dec 04 07:12:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 29 01:04:49 2018  
 Response via : Initial Calibration

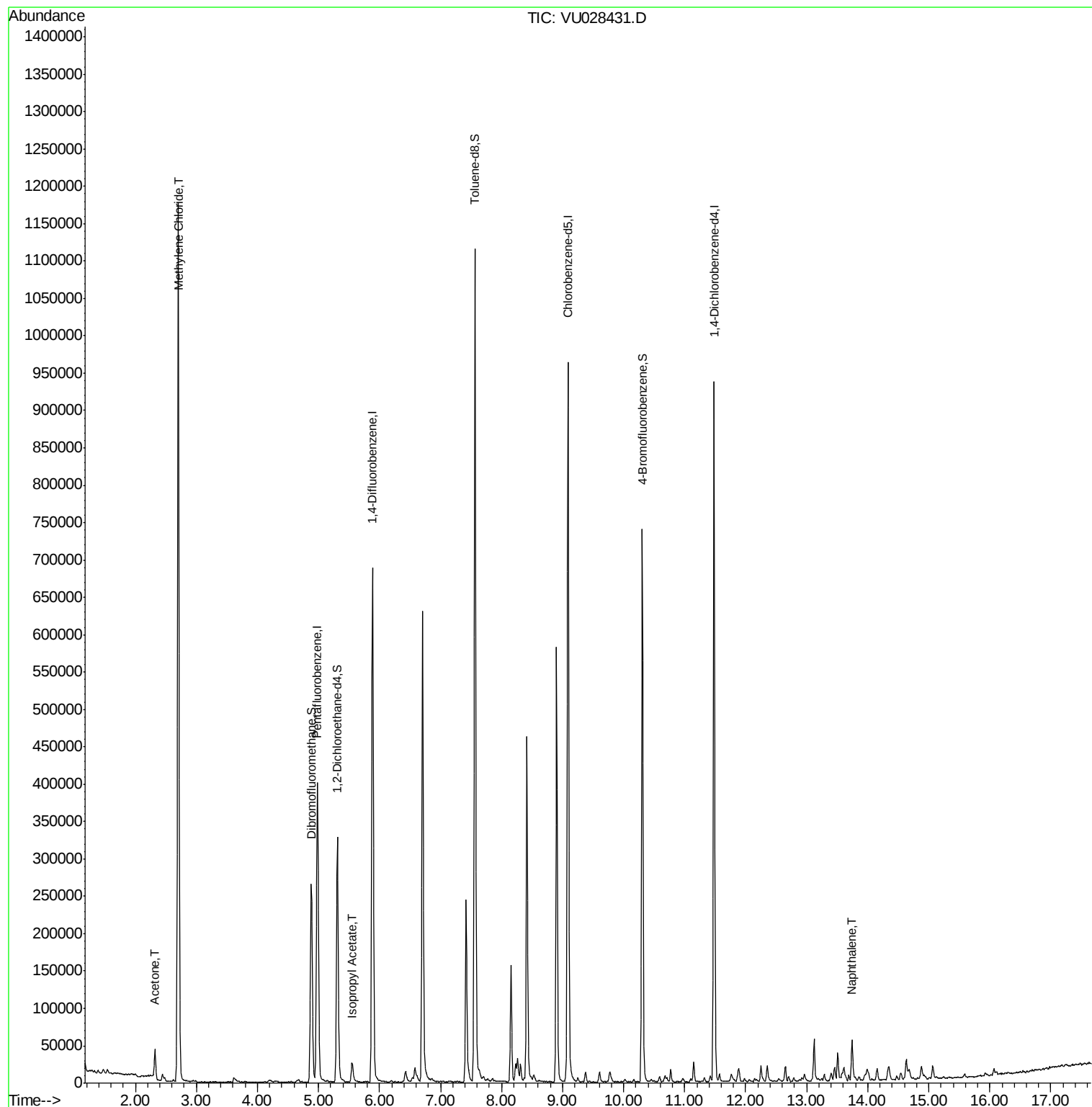
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 298664   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 561496   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 511822   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 222284   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 245284   | 49.14   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 98.28% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 184071   | 49.30   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 98.60% |          |
| 50) Toluene-d8              | 7.57  | 98   | 724377   | 48.51   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 97.02% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 251723   | 46.77   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 93.54% |          |
| Target Compounds            |       |      |          |         |        |          |
| 16) Acetone                 | 2.32  | 43   | 41442    | 13.572  | ug/l   | 97       |
| 20) Methylene Chloride      | 2.70  | 84   | 487400   | 113.267 | ug/l   | 93       |
| 43) Isopropyl Acetate       | 5.56  | 43   | 34324    | 2.587   | ug/l   | 98       |
| 95) Naphthalene             | 13.75 | 128  | 45849    | 5.147   | ug/l   | 99       |

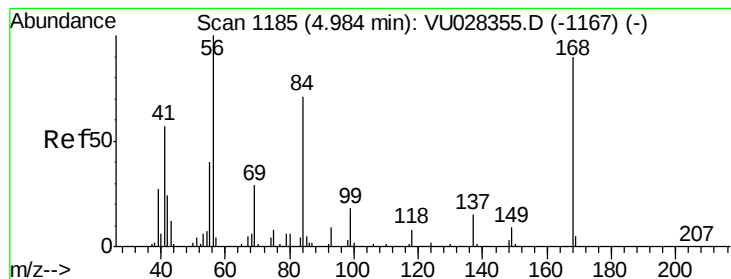
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120318\  
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CB-1129-S-TCLP-GRID19

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 29 01:04:49 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA\_U

ClientSampleId :

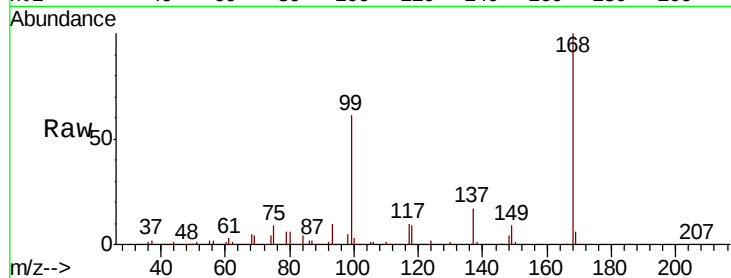
CB-1129-S-TCLP-GRID19

Tot Ion:168 Resp: 298664

Ion Ratio Lower Upper

168 100

99 60.9 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D

Ion 98.90 (98.60 to 99.60): VU028355.D

4.98

150000

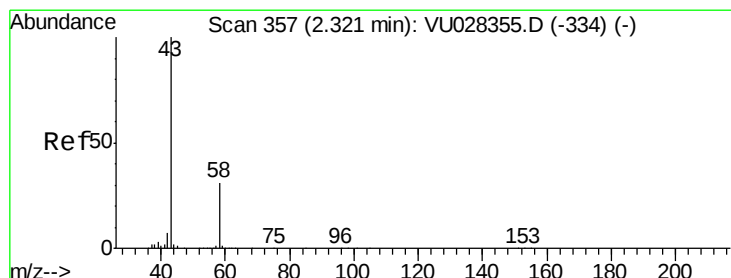
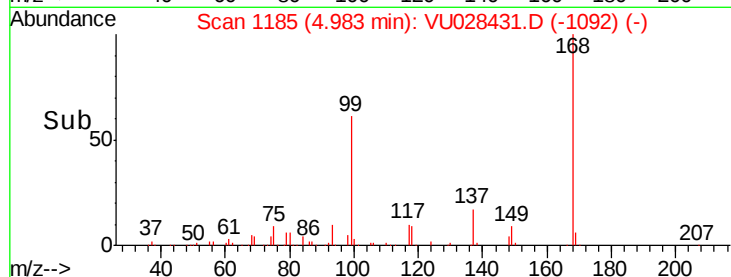
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#16

Acetone

Concen: 13.572 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028431.D

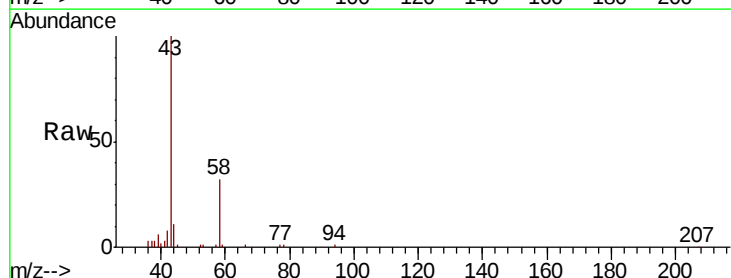
Acq: 03 Dec 2018 11:16

Tgt Ion: 43 Resp: 41442

Ion Ratio Lower Upper

43 100

58 32.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D

Ion 58.00 (57.70 to 58.70): VU028355.D

2.32

30000

25000

20000

15000

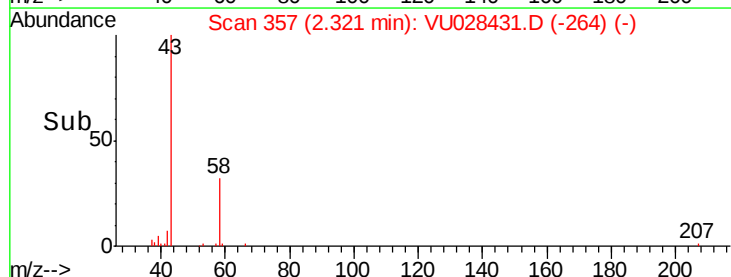
10000

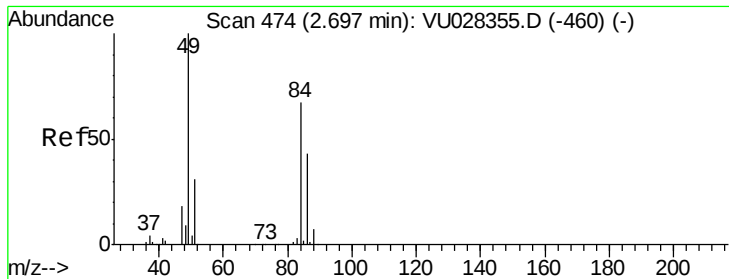
5000

0

2.25 2.30 2.35 2.40

Time-->





#20

Methylene Chloride

Concen: 113.267 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
CB-1129-S-TCLP-GRID19

Tot Ion: 84 Resp: 487400

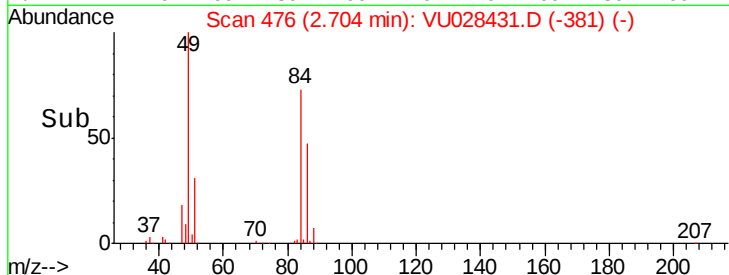
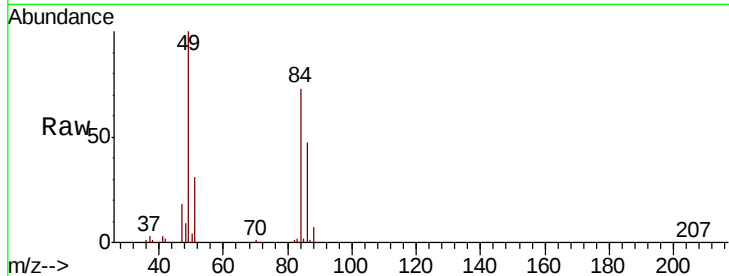
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 136.1 | 120.0 | 180.0 |
| 51  | 42.1  | 36.9  | 55.3  |
| 86  | 64.0  | 51.1  | 76.7  |

84 100

49 136.1 120.0 180.0

51 42.1 36.9 55.3

86 64.0 51.1 76.7



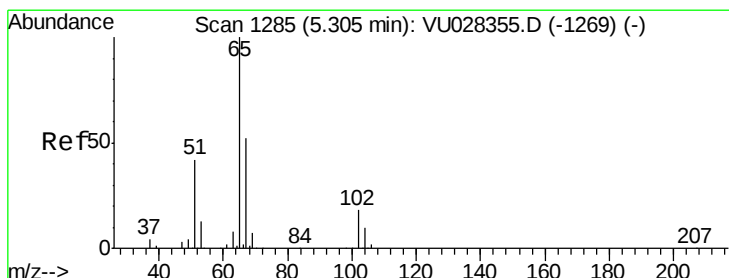
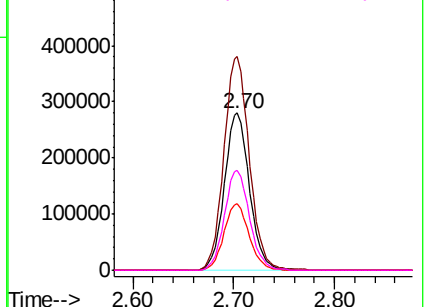
Abundance

Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 49.141 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028431.D

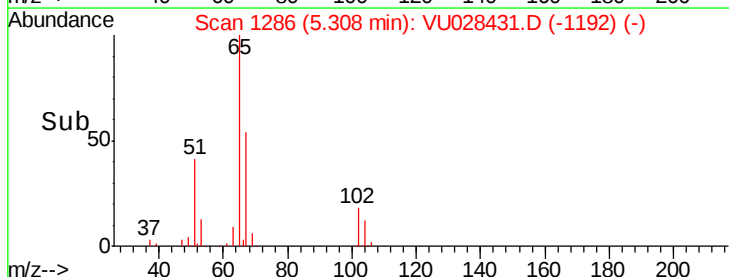
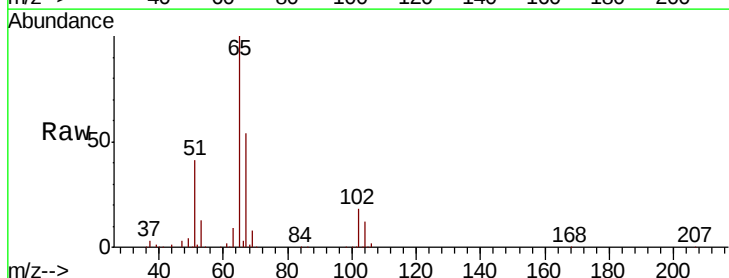
Acq: 03 Dec 2018 11:16

Tgt Ion: 65 Resp: 245284

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 56.3  | 0.0   | 106.8 |

65 100

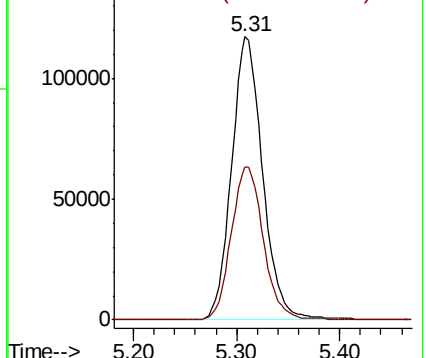
67 56.3 0.0 106.8

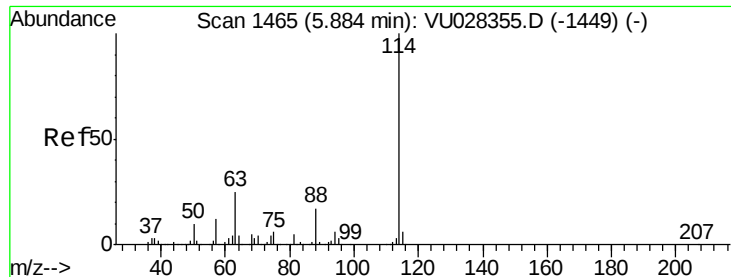


Abundance

Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

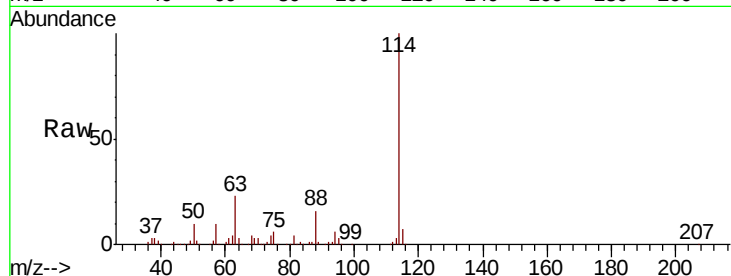




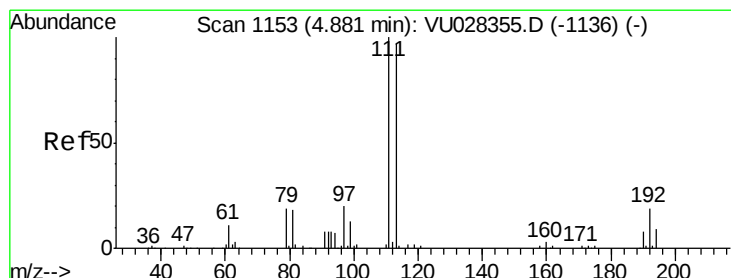
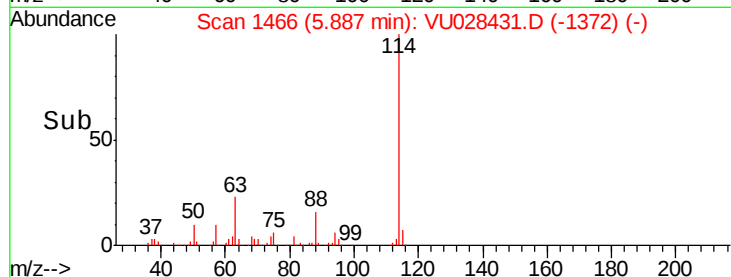
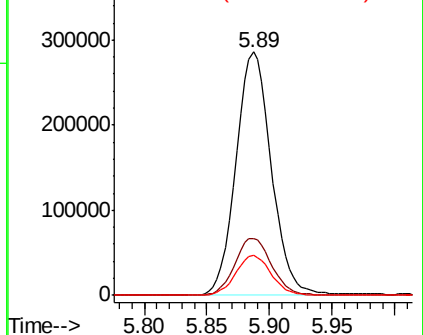
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: VU028431.D  
 Acq: 03 Dec 2018 11:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CB-1129-S-TCLP-GRID19

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.5  | 0.0   | 50.0  |
| 88      | 16.3  | 0.0   | 34.4  |

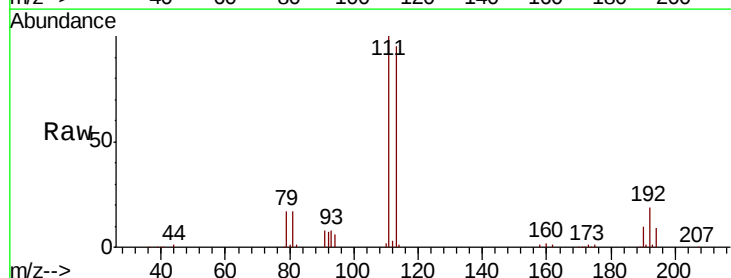


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

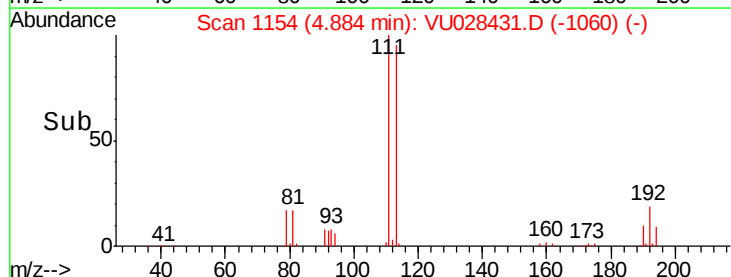
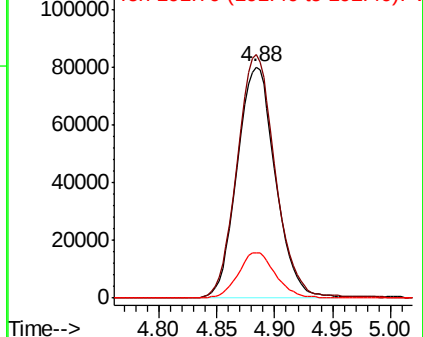


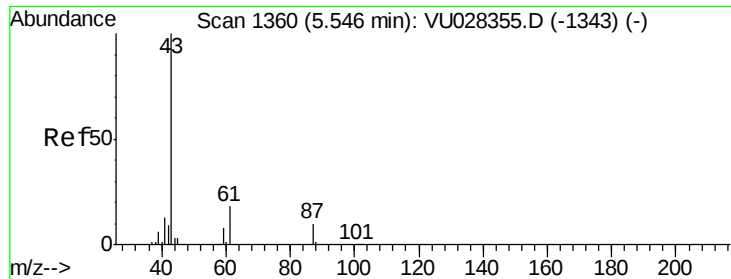
#35  
 Dibromofluoromethane  
 Concen: 49.300 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU028431.D  
 Acq: 03 Dec 2018 11:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.9 | 82.9  | 124.3 |
| 192     | 19.3  | 15.4  | 23.0  |



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

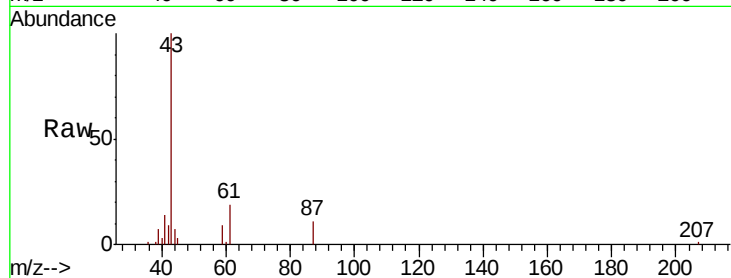




#43  
Isopropyl Acetate  
Concen: 2.587 ug/l  
RT: 5.56 min Scan# 1363  
Delta R.T. 0.01 min  
Lab File: VU028431.D  
Acq: 03 Dec 2018 11:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
CB-1129-S-TCLP-GRID19

| Tot Ion   | 43    | Resp  | 34324 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 19.1  | 14.5  | 21.7  |
| 87        | 10.1  | 8.4   | 12.6  |

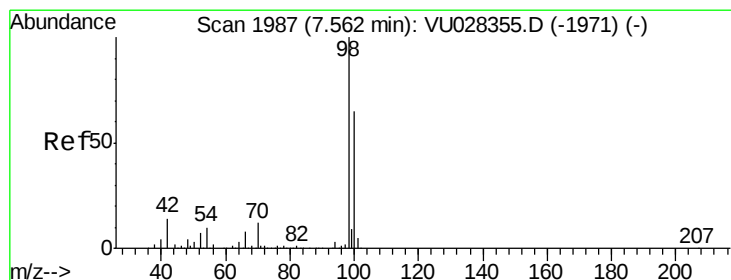
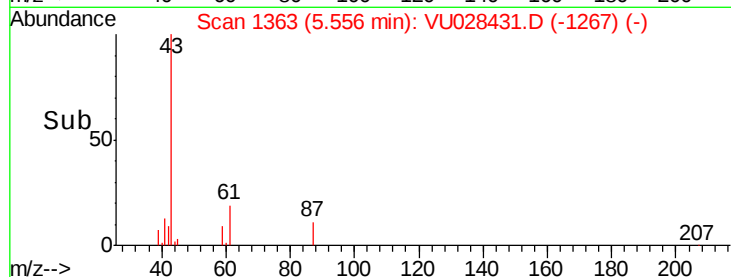
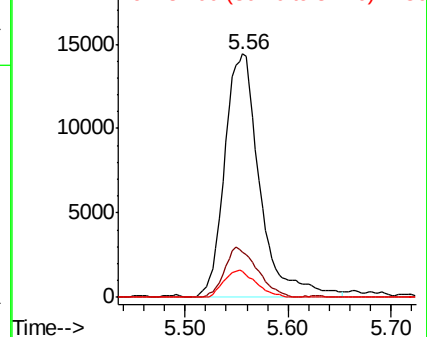


Abundance

Ion 43.00 (42.70 to 43.70): VU0

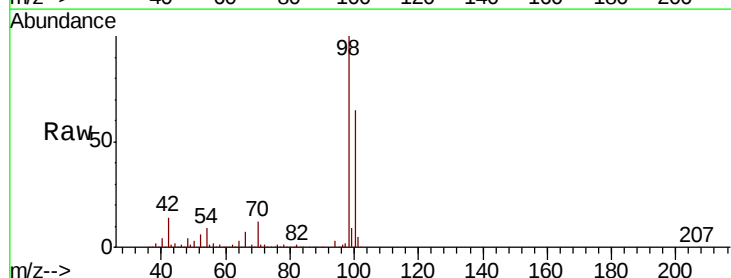
Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50  
Toluene-d8  
Concen: 48.511 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VU028431.D  
Acq: 03 Dec 2018 11:16

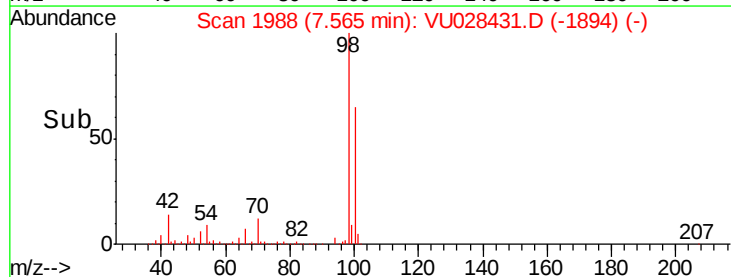
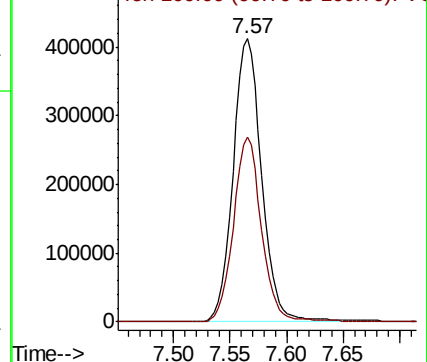
| Tgt Ion   | 98    | Resp  | 724377 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.2  | 50.8  | 76.2   |

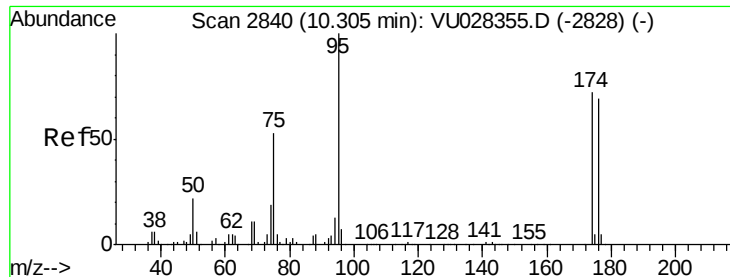


Abundance

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

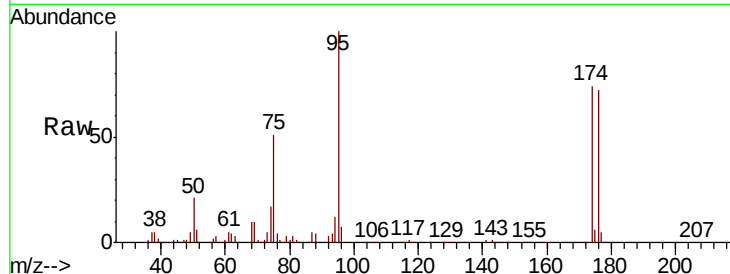




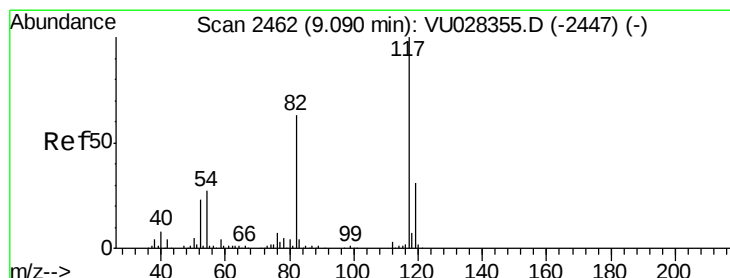
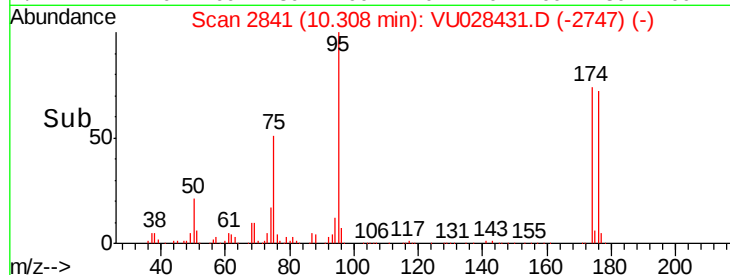
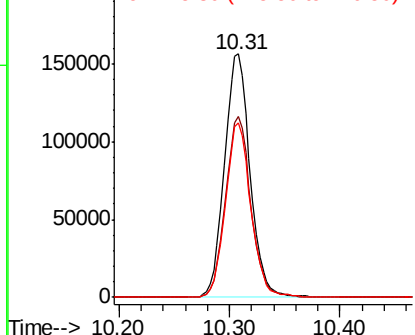
#62  
4-Bromofluorobenzene  
Concen: 46.771 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VU028431.D  
Acq: 03 Dec 2018 11:16

Instrument :  
MSVOA\_U  
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CB-1129-S-TCLP-GRID19

Tot Ion: 95 Resp: 251723  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 145.4  
176 71.2 0.0 140.8

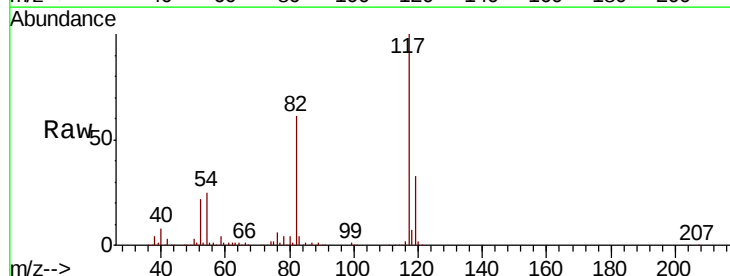


Abundance Ion 94.90 (94.60 to 95.60): VU0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

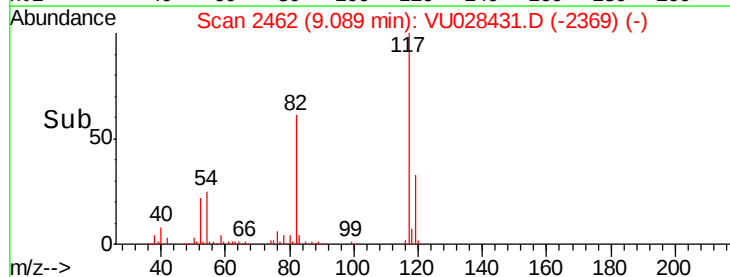
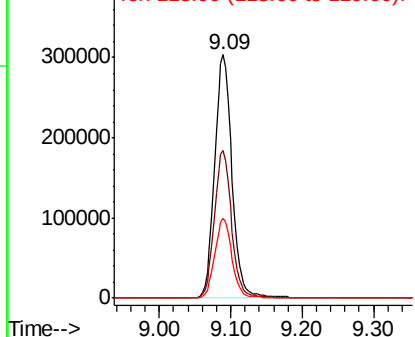


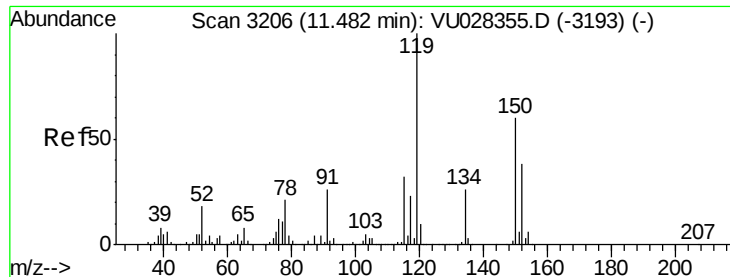
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028431.D  
Acq: 03 Dec 2018 11:16

Tgt Ion: 117 Resp: 511822  
Ion Ratio Lower Upper  
117 100  
82 60.5 50.3 75.5  
119 32.7 24.8 37.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA\_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

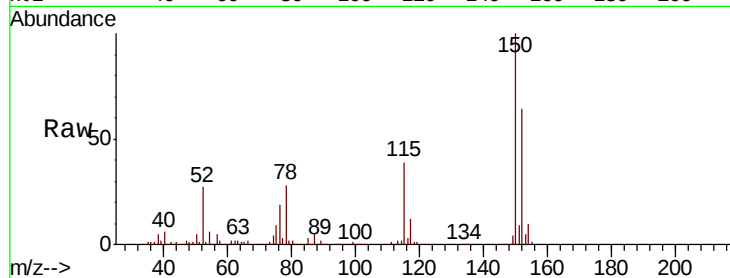
Tot Ion:152 Resp: 222284

Ion Ratio Lower Upper

152 100

115 61.5 45.0 134.8

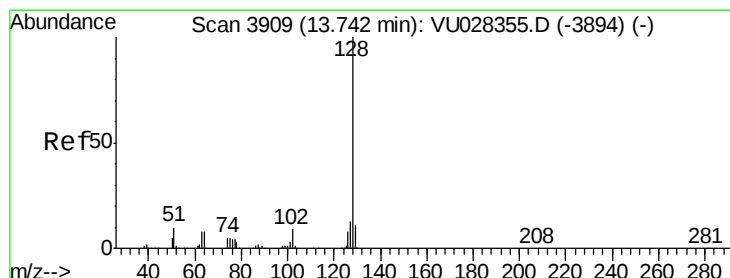
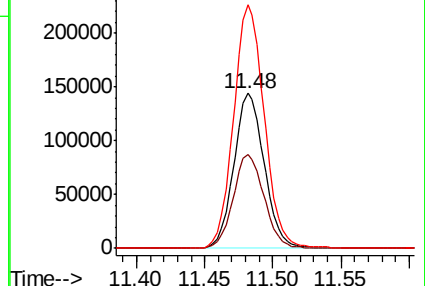
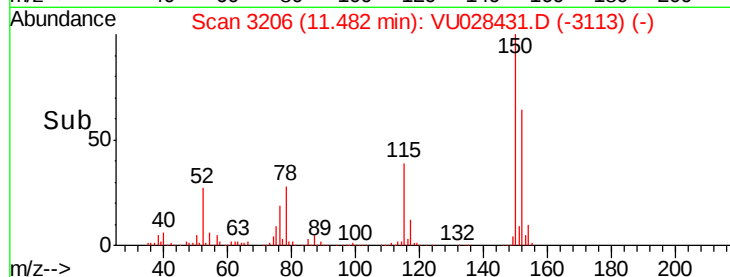
150 158.4 0.0 349.2



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: 5.147 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

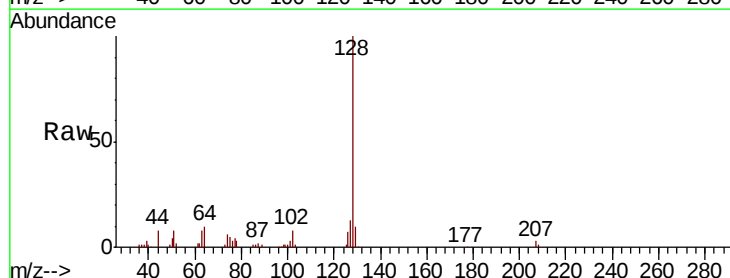
Tgt Ion:128 Resp: 45849

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

129 11.0 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

