

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050718\  
 Data File : VX001500.D  
 Acq On : 08 May 2018 07:19  
 Operator : JC/MD  
 Sample : J2738-05 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CB-TCLP-VAR5-0518

Quant Time: May 08 08:21:49 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

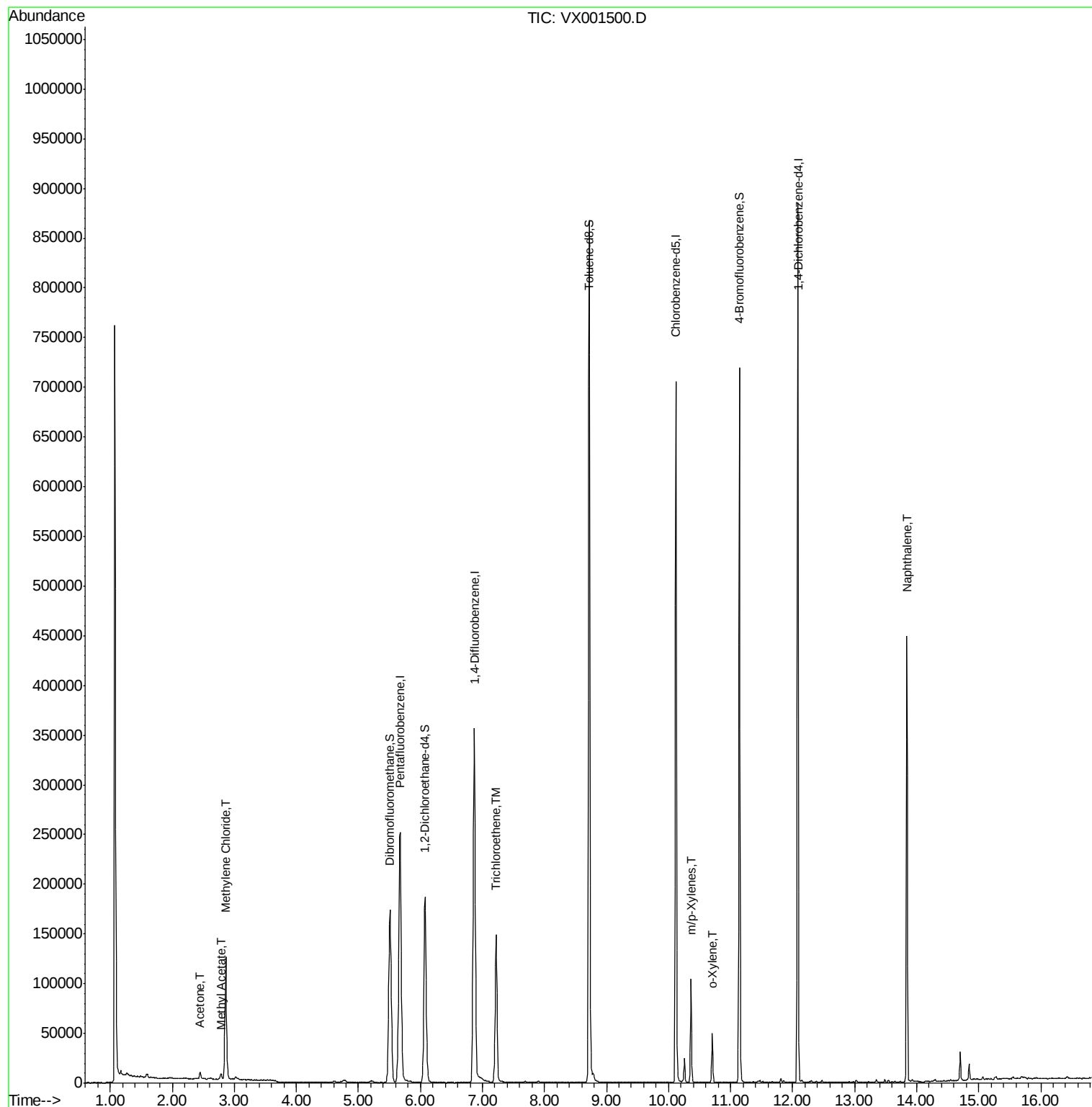
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67   | 168  | 264434   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87   | 114  | 365240   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12  | 117  | 326417   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09  | 152  | 187687   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65   | 179719   | 47.29 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.58% |          |
| 35) Dibromofluoromethane    | 5.51   | 113  | 137596   | 42.35 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 84.70% |          |
| 50) Toluene-d8              | 8.72   | 98   | 509371   | 42.95 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 85.90% |          |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 173025   | 38.01 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 76.02% |          |
| Target Compounds            |        |      |          |       |        |          |
| 16) Acetone                 | 2.45   | 43   | 7141     | 4.14  | ug/l   | 98       |
| 18) Methyl Acetate          | 2.78   | 43   | 6434     | 1.42  | ug/l   | 93       |
| 20) Methylene Chloride      | 2.86   | 84   | 56152    | 16.43 | ug/l   | 97       |
| 44) Trichloroethene         | 7.22   | 130  | 59537    | 14.35 | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.36  | 106  | 23541    | 3.80  | ug/l   | 95       |
| 69) o-Xylene                | 10.70  | 106  | 10763    | 1.79  | ug/l   | 91       |
| 95) Naphthalene             | 13.84  | 128  | 269084   | 19.35 | ug/l   | 100      |

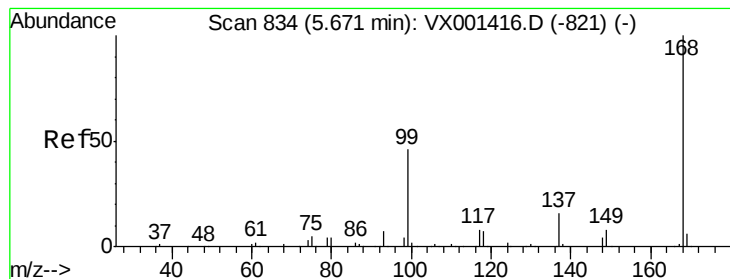
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

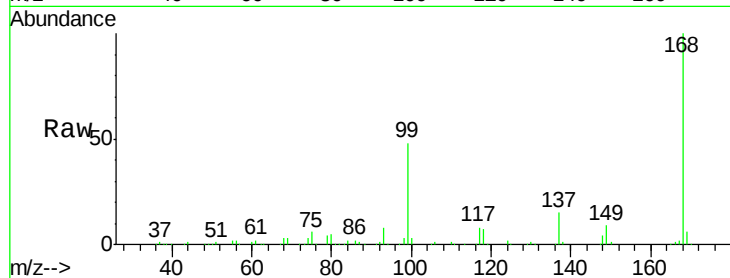
CB-TCLP-VAR5-0518

Tot Ion:168 Resp: 264434

Ion Ratio Lower Upper

168 100

99 48.3 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

100000

80000

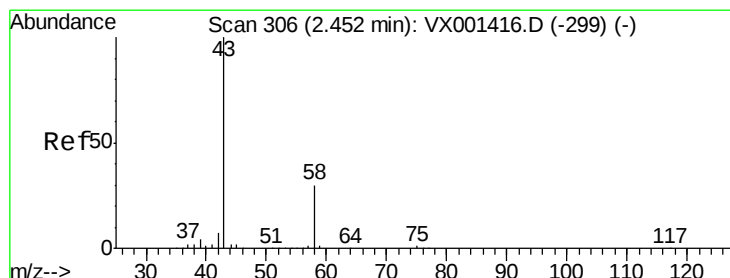
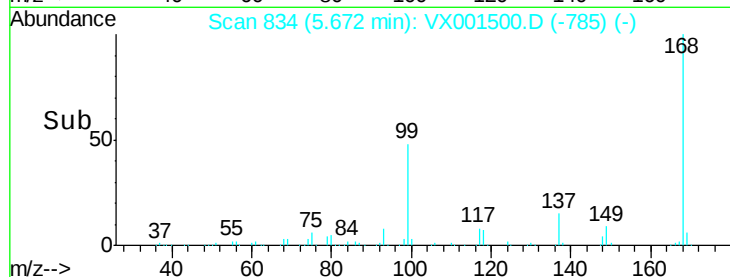
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.14 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001500.D

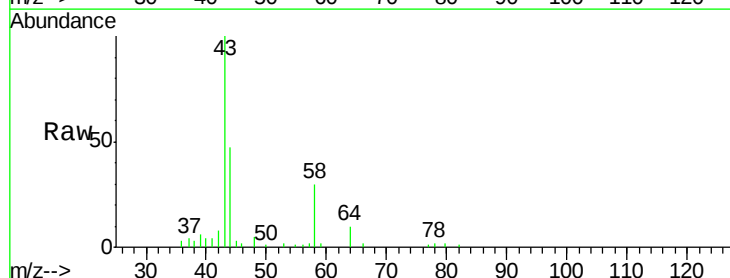
Acq: 08 May 2018 07:19

Tgt Ion: 43 Resp: 7141

Ion Ratio Lower Upper

43 100

58 30.6 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

5000

4000

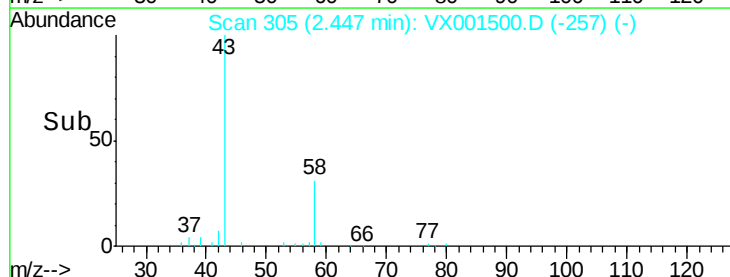
3000

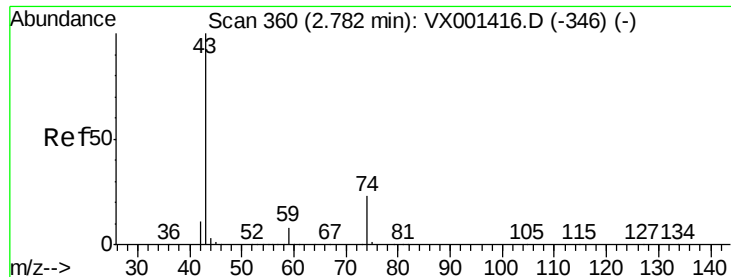
2000

1000

0

Time--> 2.40 2.45 2.50

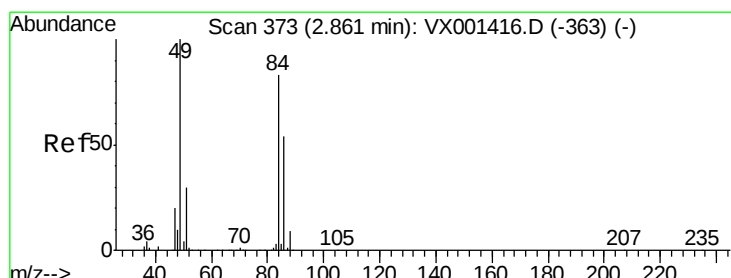
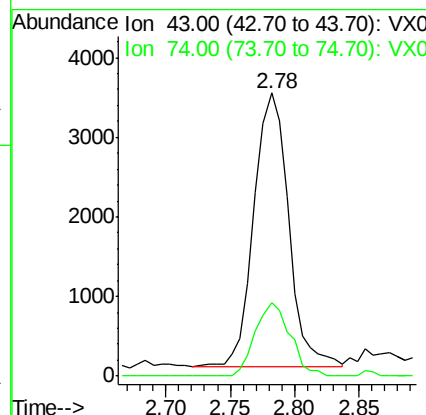
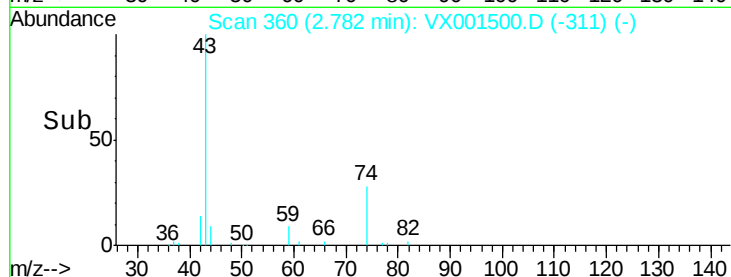
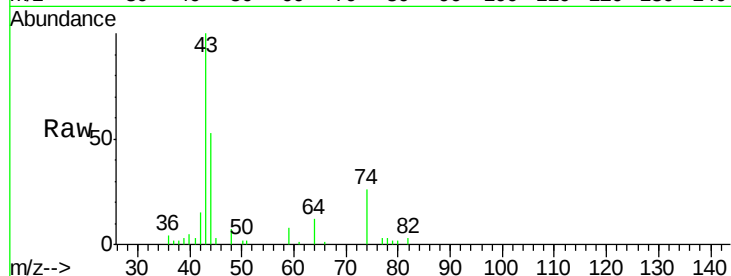




#18  
Methvl Acetate  
Concen: 1.42 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

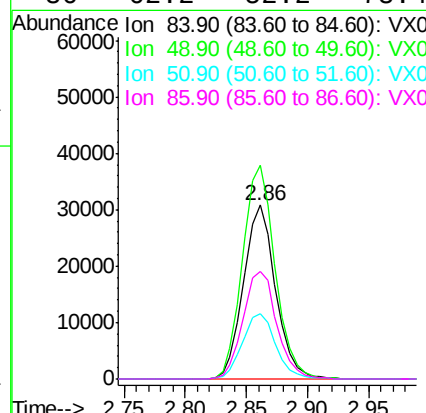
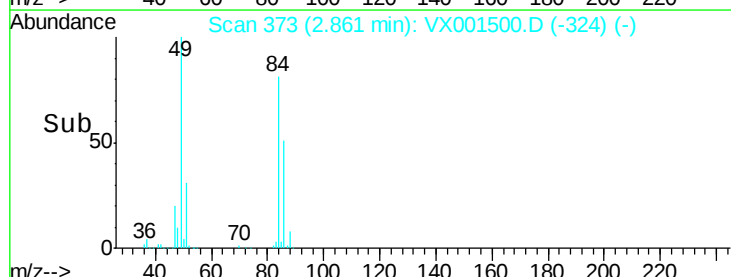
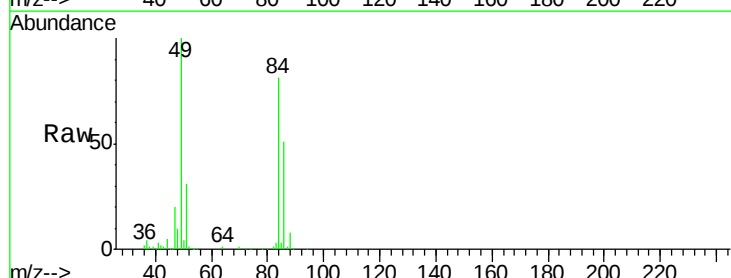
Instrument :  
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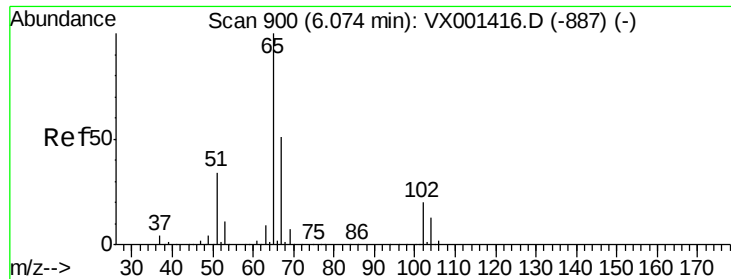
Tot Ion: 43 Resp: 6434  
Ion Ratio Lower Upper  
43 100  
74 26.7 18.6 27.8



#20  
Methylene Chloride  
Concen: 16.43 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

Tgt Ion: 84 Resp: 56152  
Ion Ratio Lower Upper  
84 100  
49 122.9 96.6 144.8  
51 37.8 29.0 43.4  
86 62.2 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 47.29 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

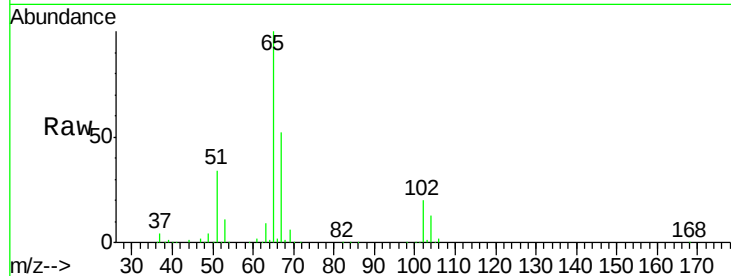
CB-TCLP-VAR5-0518

Tot Ion: 65 Resp: 179719

Ion Ratio Lower Upper

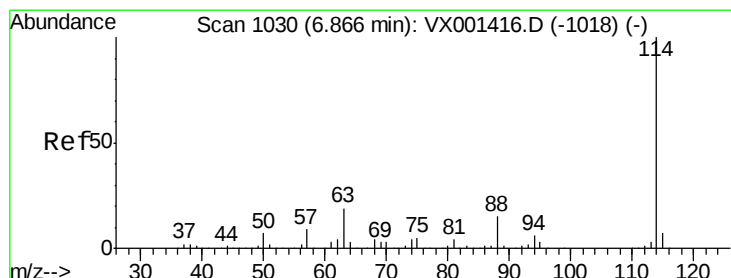
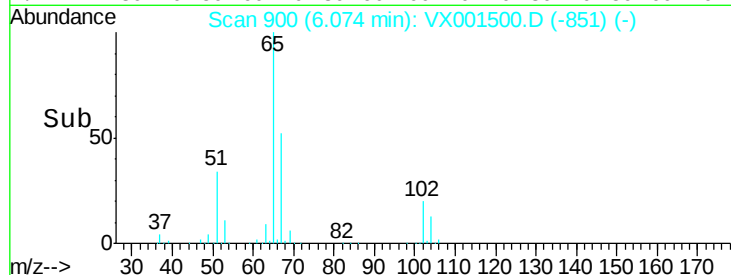
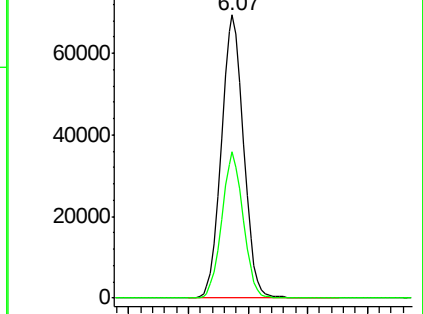
65 100

67 49.7 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

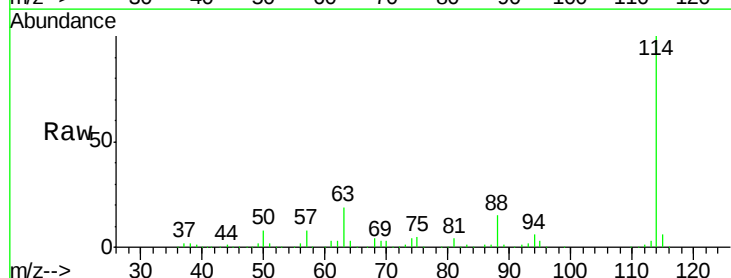
Tgt Ion: 114 Resp: 365240

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

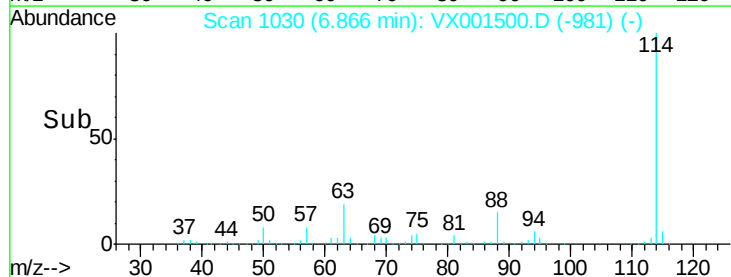
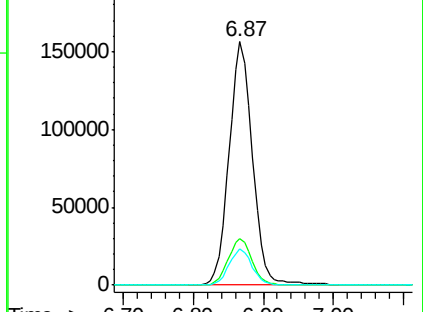
88 15.0 0.0 30.8

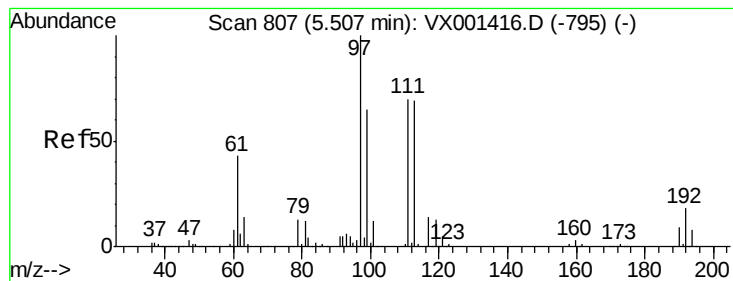


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 42.35 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

CB-TCLP-VAR5-0518

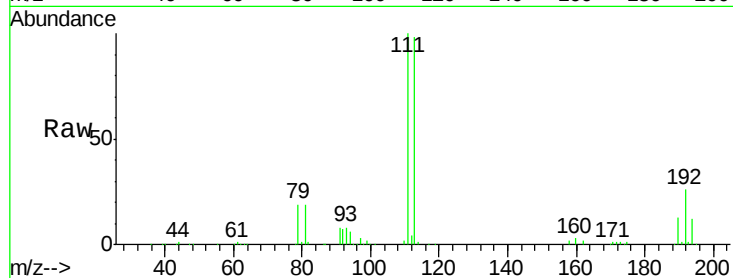
Tot Ion:113 Resp: 137596

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

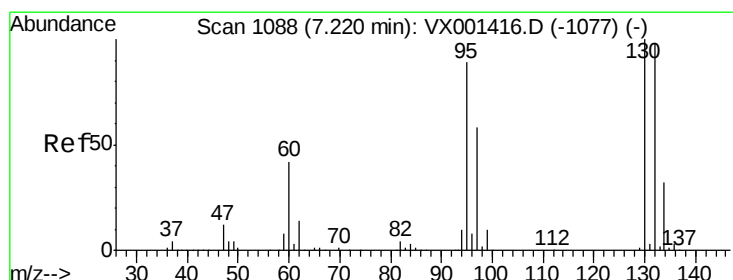
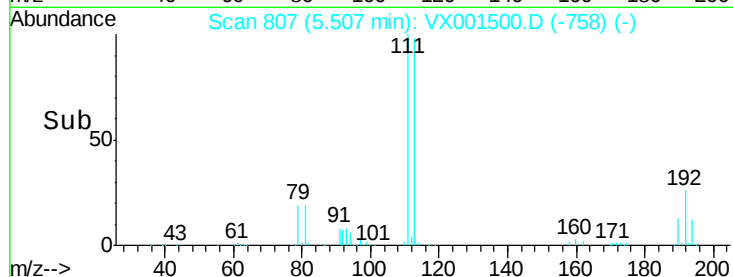
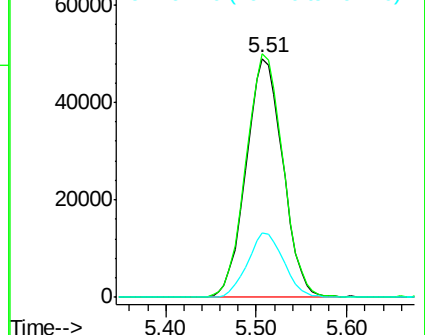
192 26.7 21.4 32.0



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



#44

Trichloroethene

Concen: 14.35 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001500.D

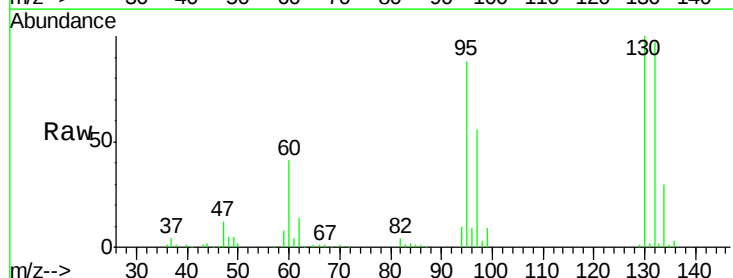
Acq: 08 May 2018 07:19

Tgt Ion:130 Resp: 59537

Ion Ratio Lower Upper

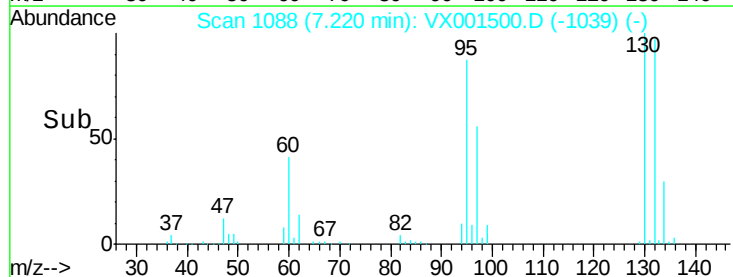
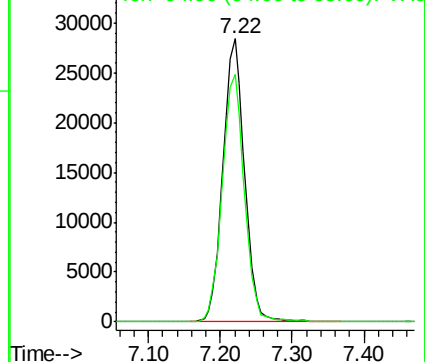
130 100

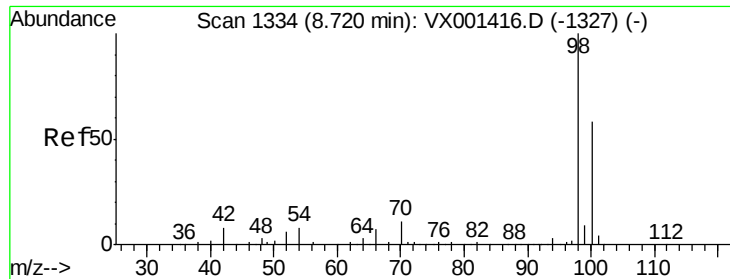
95 87.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 42.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA\_X

ClientSampleId :

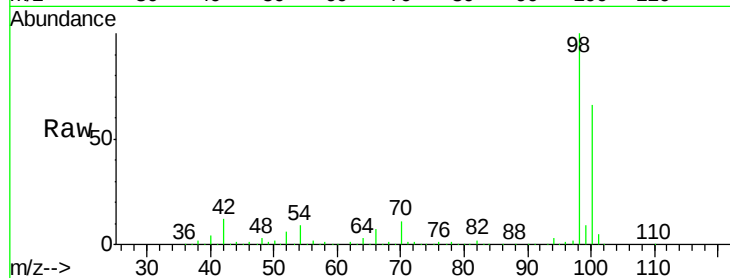
CB-TCLP-VAR5-0518

Tot Ion: 98 Resp: 509371

Ion Ratio Lower Upper

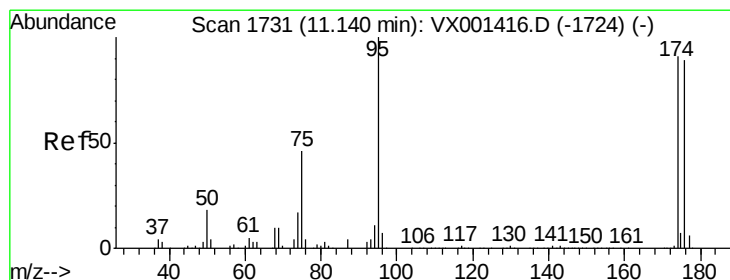
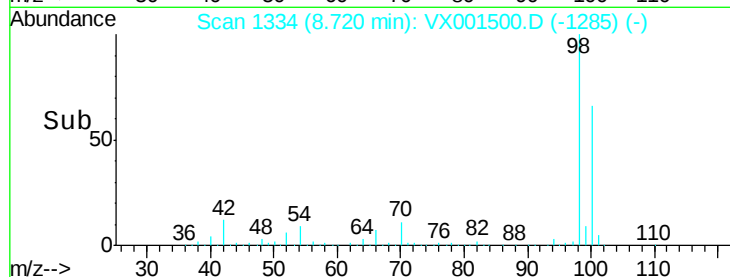
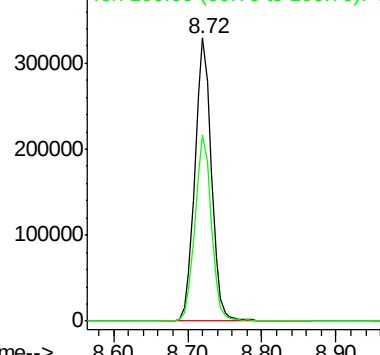
98 100

100 65.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 38.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

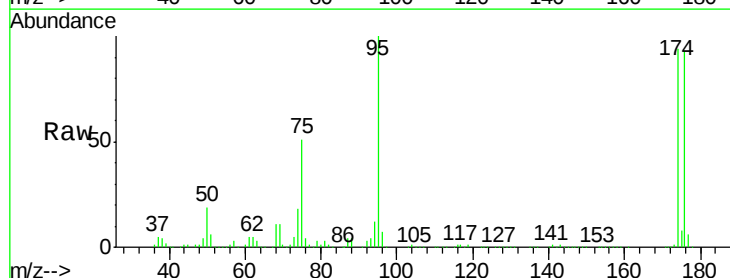
Tgt Ion: 95 Resp: 173025

Ion Ratio Lower Upper

95 100

174 100.4 0.0 202.0

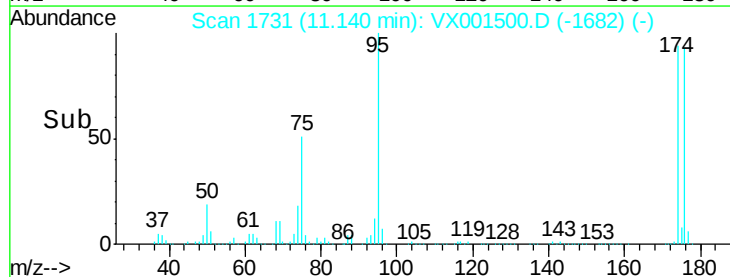
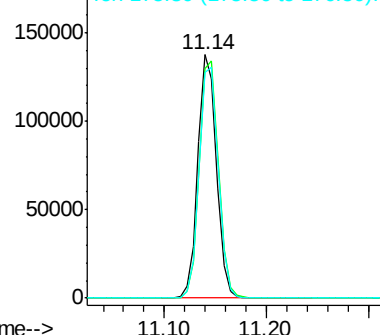
176 98.5 0.0 197.4

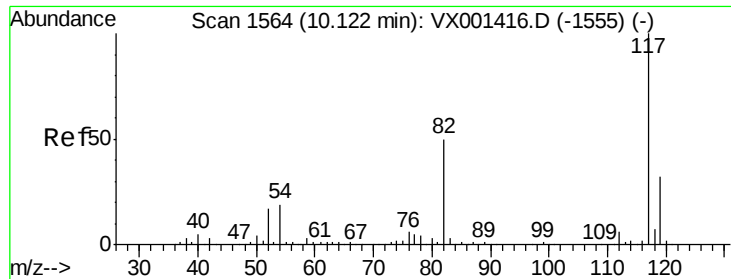


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

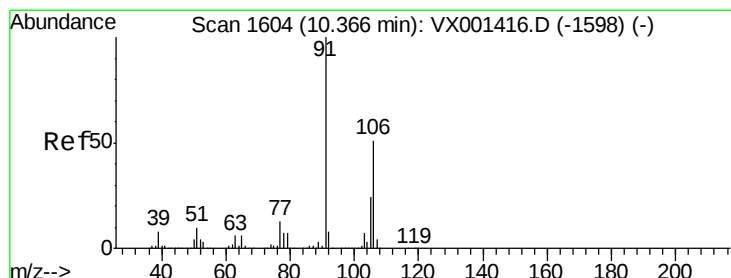
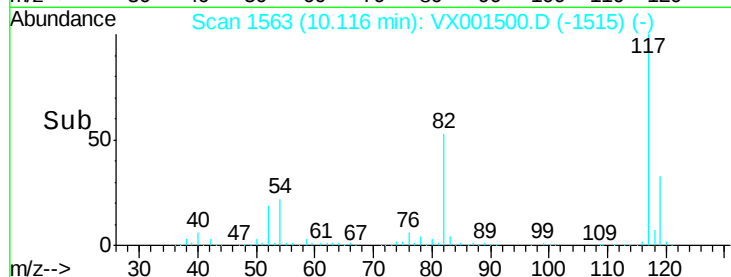
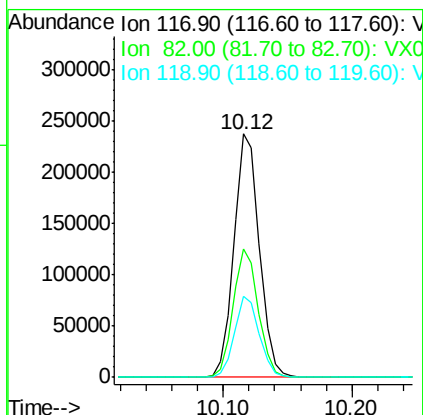
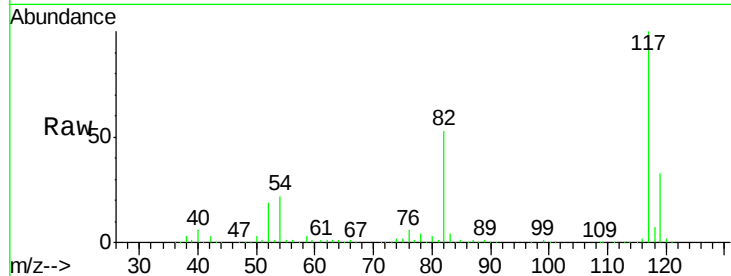




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

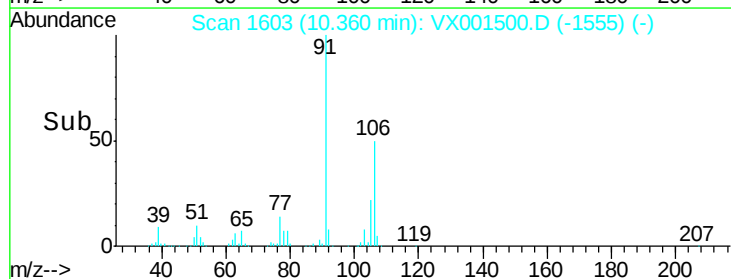
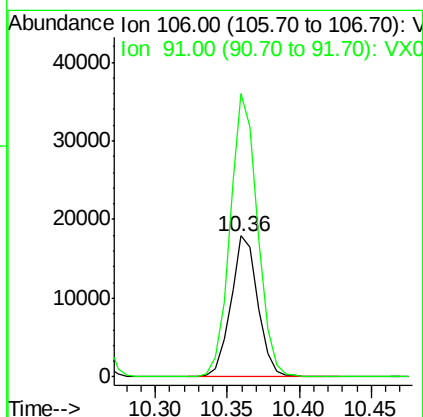
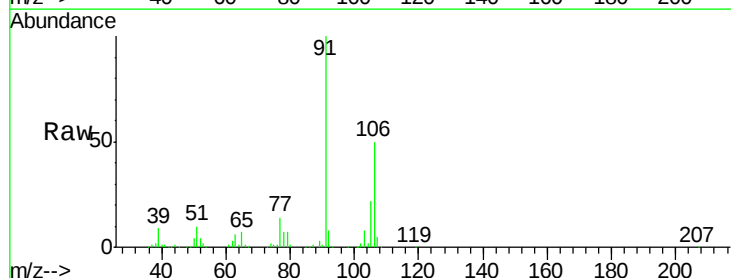
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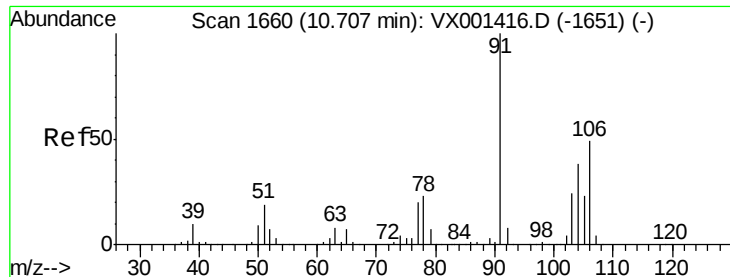
Tot Ion:117 Resp: 326417  
Ion Ratio Lower Upper  
117 100  
82 53.0 40.0 60.0  
119 33.2 25.8 38.8



#68  
m/p-Xylenes  
Concen: 3.80 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

Tgt Ion:106 Resp: 23541  
Ion Ratio Lower Upper  
106 100  
91 204.0 157.5 236.3

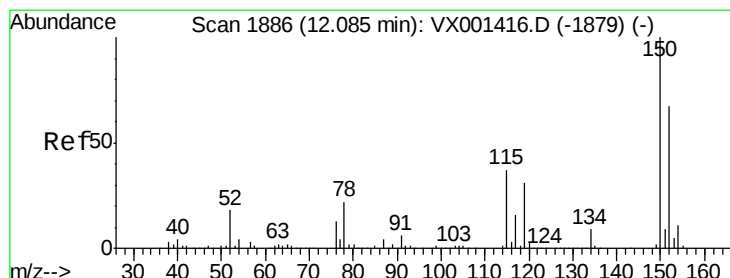
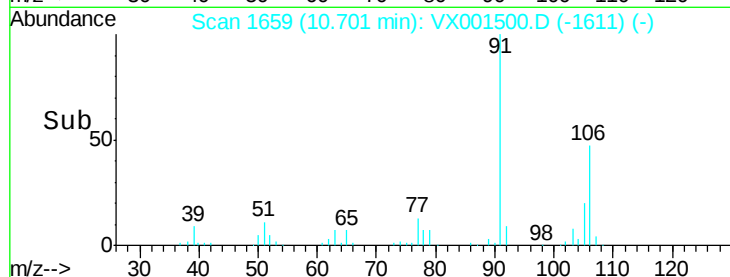
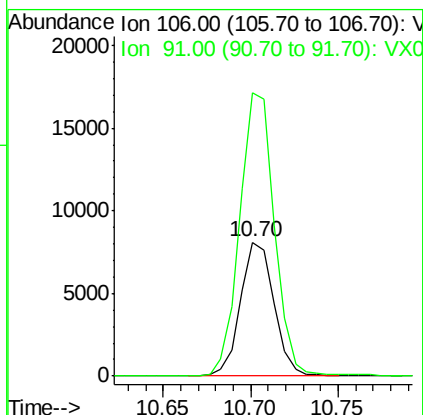
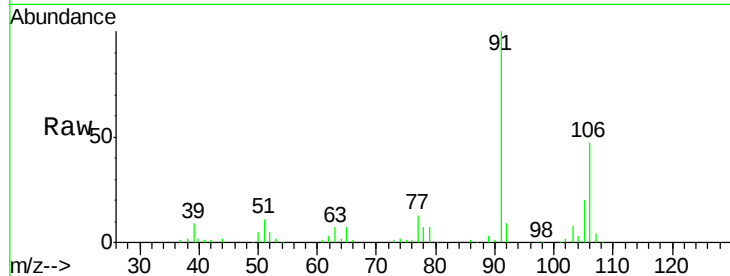




#69  
o-Xylene  
Concen: 1.79 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.01 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

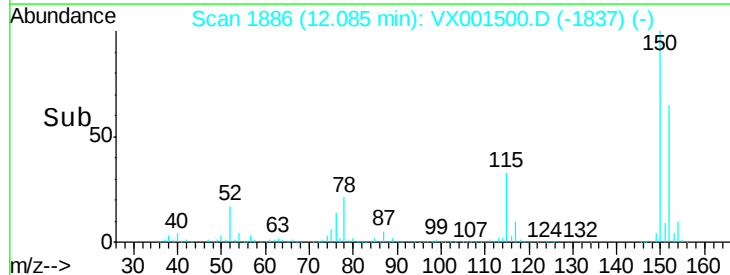
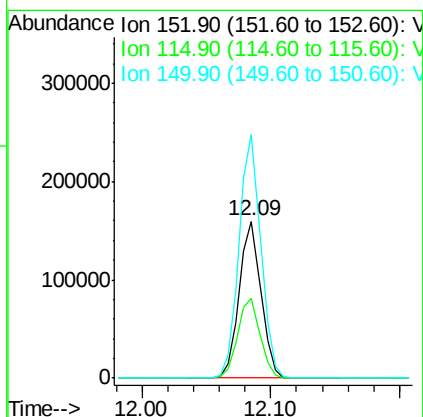
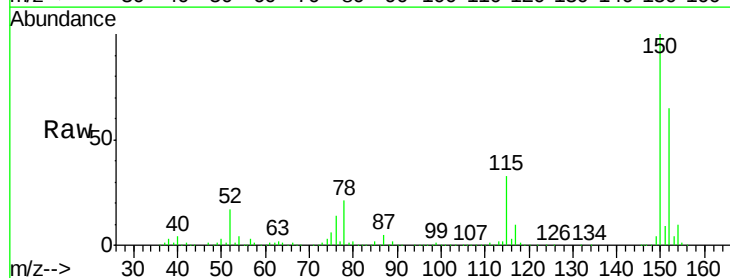
Instrument :  
MSVOA\_X  
ClientSampleId :  
CB-TCLP-VAR5-0518

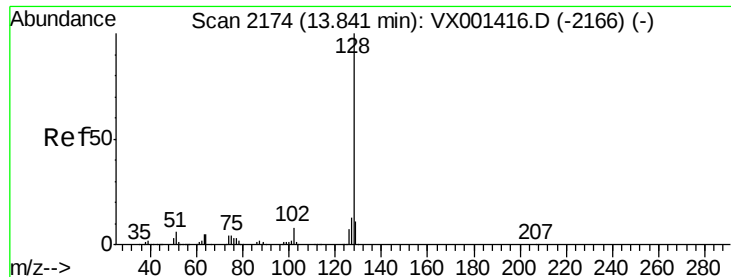
Tot Ion:106 Resp: 10763  
Ion Ratio Lower Upper  
106 100  
91 220.5 103.1 309.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

Tgt Ion:152 Resp: 187687  
Ion Ratio Lower Upper  
152 100  
115 52.2 37.7 113.1  
150 155.4 0.0 349.4





#95  
Naphthalene  
Concen: 19.35 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX001500.D  
Acq: 08 May 2018 07:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
CB-TCLP-VAR5-0518

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 10.8  | 8.7   | 13.1  |

