

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\  
 Data File : VX004729.D  
 Acq On : 26 Sep 2018 16:32  
 Operator : JC/MD  
 Sample : J4870-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

Quant Time: Sep 27 01:10:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 270637   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 397120   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 366154   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 219409   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 208548   | 53.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.88% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 165669   | 49.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.44%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 586788   | 52.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.88% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 207635   | 51.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.02% |          |

| Target Compounds             | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 3) Chloromethane             | 1.32 | 50   | 6604     | 1.475   | ug/l   | 100    |
| 4) Vinyl Chloride            | 1.40 | 62   | 202434   | 48.211  | ug/l   | 100    |
| 5) Bromomethane              | 1.64 | 94   | 160241   | 64.356  | ug/l   | 98     |
| 6) Chloroethane              | 1.72 | 64   | 82614    | 35.424  | ug/l   | 99     |
| 10) Methyl Iodide            | 2.51 | 142  | 6236     | 1.574   | ug/l   | 98     |
| 11) Tert butyl alcohol       | 3.03 | 59   | 13658    | 12.635  | ug/l # | 72     |
| 12) 1,1-Dichloroethene       | 2.37 | 96   | 1120     | 0.382   | ug/l # | 79     |
| 15) Acrylonitrile            | 3.21 | 53   | 12212    | 5.132   | ug/l # | 30     |
| 16) Acetone                  | 2.44 | 43   | 308930   | 136.872 | ug/l # | 88     |
| 17) Carbon Disulfide         | 2.57 | 76   | 1784     | 0.202   | ug/l # | 95     |
| 18) Methyl Acetate           | 2.78 | 43   | 1597     | 0.279   | ug/l   | 94     |
| 19) Methyl tert-butyl Ether  | 3.20 | 73   | 1067038  | 105.491 | ug/l   | 97     |
| 20) Methylene Chloride       | 2.85 | 84   | 100879   | 30.411  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene | 3.17 | 96   | 75934    | 23.655  | ug/l   | 87     |
| 24) 1,1-Dichloroethane       | 3.70 | 63   | 321403   | 50.008  | ug/l   | 98     |
| 25) 2-Butanone               | 4.71 | 43   | 680419   | 204.514 | ug/l   | 91     |
| 28) Bromochloromethane       | 5.21 | 49   | 24516    | 8.100   | ug/l # | 9      |
| 29) Tetrahydrofuran          | 5.20 | 42   | 1256     | 0.607   | ug/l # | 48     |
| 30) Chloroform               | 5.21 | 83   | 307576   | 50.637  | ug/l   | 92     |
| 31) Cyclohexane              | 5.65 | 56   | 5172     | 1.051   | ug/l # | 1      |
| 32) 1,1,1-Trichloroethane    | 5.49 | 97   | 84943    | 17.124  | ug/l   | 98     |
| 36) 1,1-Dichloropropene      | 5.66 | 75   | 19479    | 4.242   | ug/l # | 49     |
| 37) Ethyl Acetate            | 4.71 | 43   | 680419   | 111.628 | ug/l # | 68     |
| 38) Carbon Tetrachloride     | 5.67 | 117  | 24467    | 5.069   | ug/l # | 15     |
| 39) Methylcyclohexane        | 7.51 | 83   | 1981     | 0.422   | ug/l # | 37     |
| 40) Benzene                  | 6.15 | 78   | 1115100  | 77.566  | ug/l   | 100    |
| 42) 1,2-Dichloroethane       | 6.15 | 62   | 9439     | 1.857   | ug/l # | 72     |
| 44) Trichloroethene          | 7.21 | 130  | 241902   | 68.448  | ug/l   | 96     |
| 45) 1,2-Dichloropropane      | 7.52 | 63   | 299819   | 85.044  | ug/l   | 100    |
| 46) Dibromomethane           | 7.66 | 93   | 257471   | 116.207 | ug/l   | 97     |
| 48) Methyl methacrylate      | 8.04 | 41   | 14465    | 3.622   | ug/l # | 34     |
| 49) 1,4-Dioxane              | 7.66 | 88   | 1385     | 13.961  | ug/l # | 25     |
| 51) 4-Methyl-2-Pentanone     | 8.65 | 43   | 818288   | 147.719 | ug/l   | 95     |
| 52) Toluene                  | 8.79 | 92   | 408538   | 51.717  | ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\  
 Data File : VX004729.D  
 Acq On : 26 Sep 2018 16:32  
 Operator : JC/MD  
 Sample : J4870-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

Quant Time: Sep 27 01:10:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

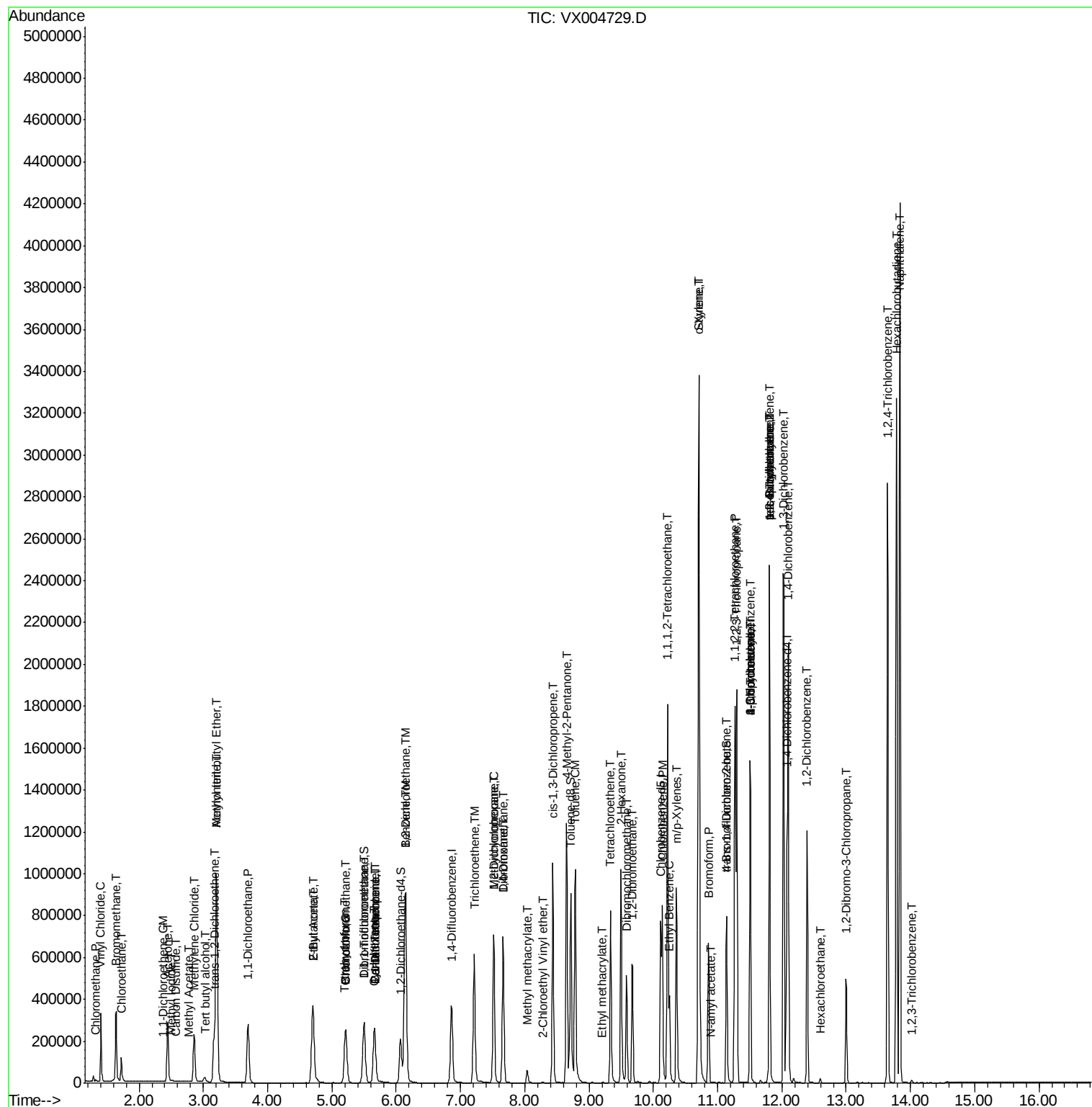
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 539794   | 109.938 | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.20  | 69   | 21       | 2.866   | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether  | 8.27  | 63   | 3221     | 15.261  | ug/l # | 45       |
| 59) 2-Hexanone                 | 9.50  | 43   | 582397   | 126.165 | ug/l   | 93       |
| 60) Dibromochloromethane       | 9.59  | 129  | 219978   | 63.569  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 320923   | 86.602  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 174231   | 48.347  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 371669   | 39.585  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 431206   | 130.635 | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 240466   | 16.132  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 226354   | 38.859  | ug/l   | 94       |
| 69) o-Xylene                   | 10.70 | 106  | 437602   | 81.790  | ug/l   | 96       |
| 70) Styrene                    | 10.71 | 104  | 1096382  | 107.015 | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 247619   | 87.623  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 77       | 1.758   | ug/l # | 8        |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 714691   | 126.952 | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 612797   | 124.609 | ug/l   | 86       |
| 78) n-propylbenzene            | 11.51 | 91   | 69408    | 4.374   | ug/l # | 1        |
| 79) 2-Chlorotoluene            | 11.51 | 91   | 69408    | 7.017   | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 667593   | 52.679  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 103419   | 57.064  | ug/l # | 10       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 69408    | 5.962   | ug/l # | 44       |
| 83) tert-Butylbenzene          | 11.81 | 119  | 140165   | 12.310  | ug/l # | 60       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 1100512  | 84.326  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.81 | 105  | 1100512  | 79.350  | ug/l # | 55       |
| 86) p-Isopropyltoluene         | 11.81 | 119  | 137946   | 10.978  | ug/l # | 15       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 851731   | 113.553 | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 655828   | 84.700  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 3058     | 1.462   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 426719   | 54.438  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 93767    | 75.858  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 711988   | 129.484 | ug/l   | 99       |
| 94) Hexachlorobutadiene        | 13.79 | 225  | 536354   | 188.105 | ug/l   | 96       |
| 95) Naphthalene                | 13.83 | 128  | 2507814  | 136.153 | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 3045     | 0.536   | ug/l # | 85       |
| -----                          |       |      |          |         |        |          |

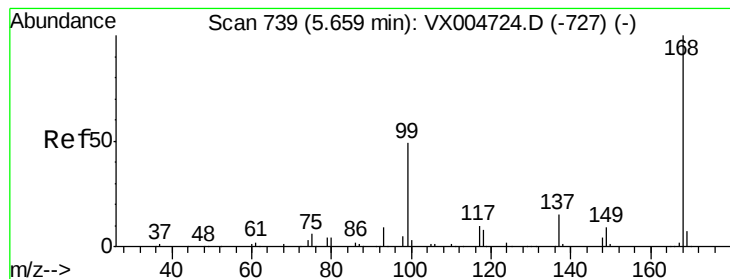
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092618\  
 Data File : VX004729.D  
 Acq On : 26 Sep 2018 16:32  
 Operator : JC/MD  
 Sample : J4870-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

Quant Time: Sep 27 01:10:55 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

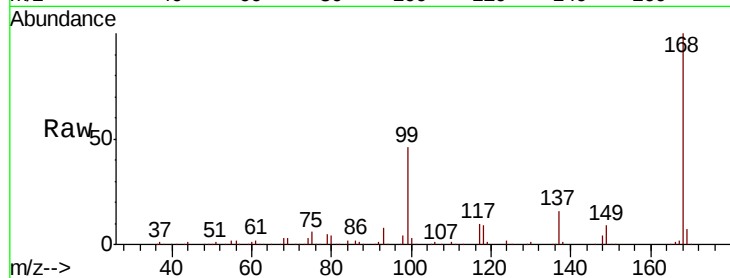
PT-VOA-WP

Tot Ion:168 Resp: 270637

Ion Ratio Lower Upper

168 100

99 45.9 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

100000

80000

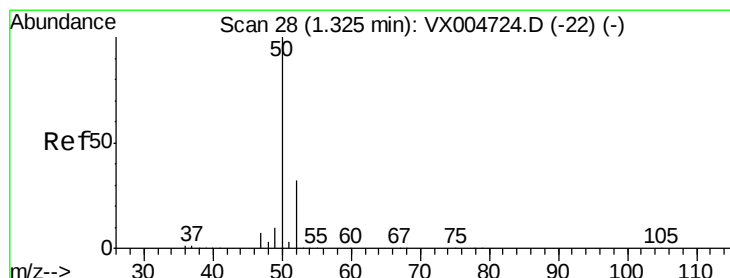
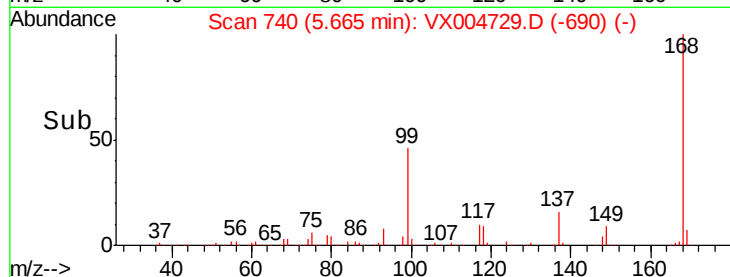
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.475 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004729.D

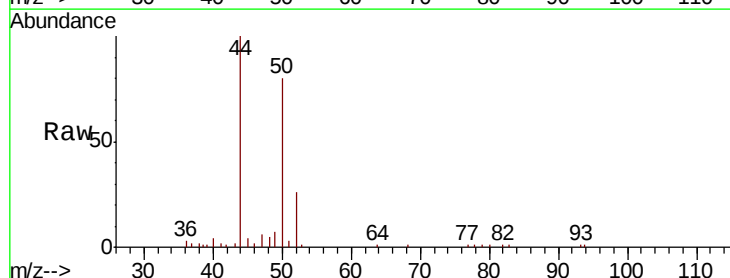
Acq: 26 Sep 2018 16:32

Tgt Ion: 50 Resp: 6604

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

6000

5000

4000

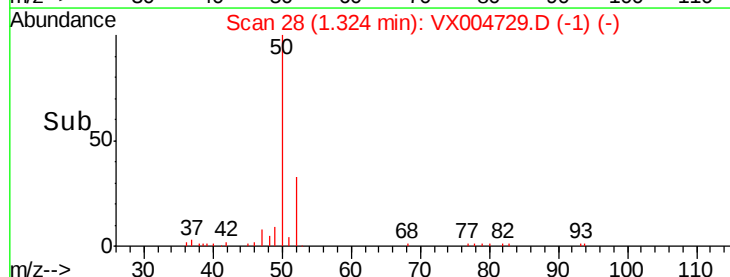
3000

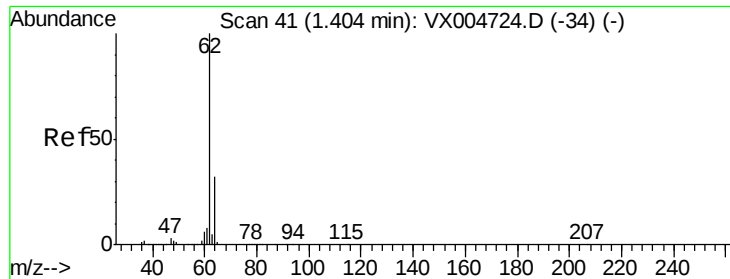
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 48.211 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

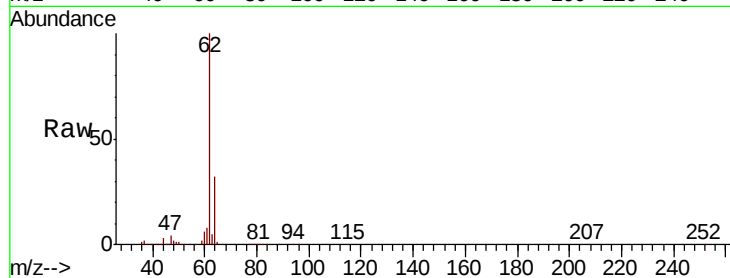
PT-VOA-WP

Tot Ion: 62 Resp: 202434

Ion Ratio Lower Upper

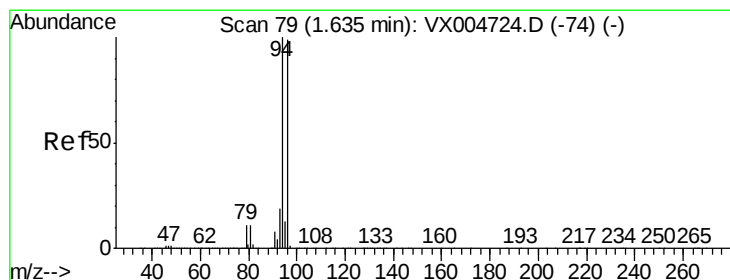
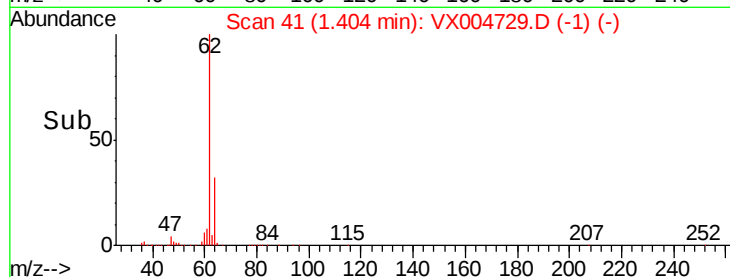
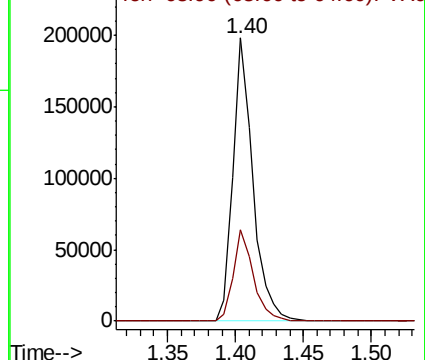
62 100

64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 64.356 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004729.D

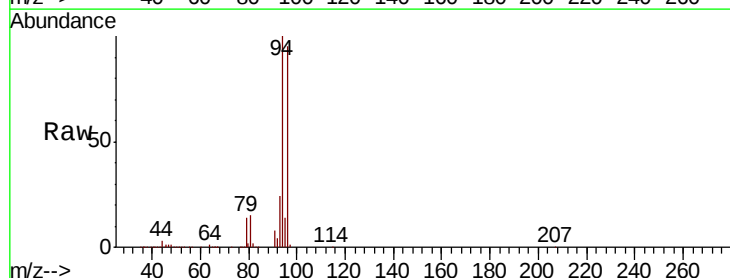
Acq: 26 Sep 2018 16:32

Tgt Ion: 94 Resp: 160241

Ion Ratio Lower Upper

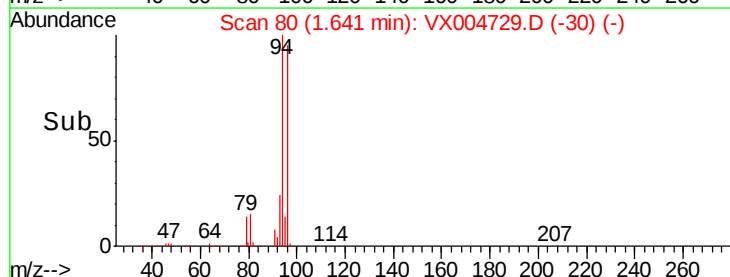
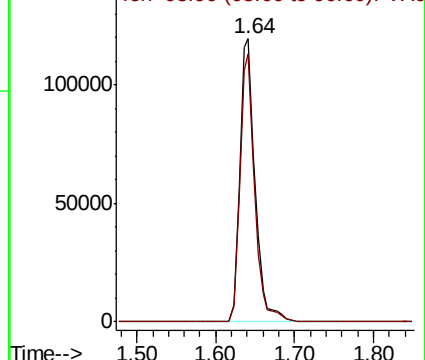
94 100

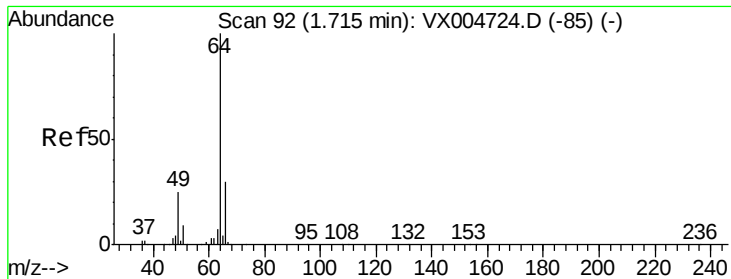
96 94.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 35.424 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

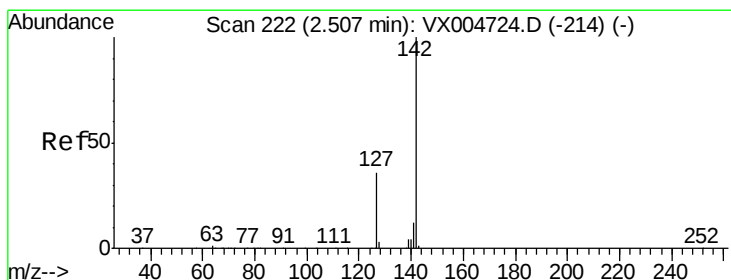
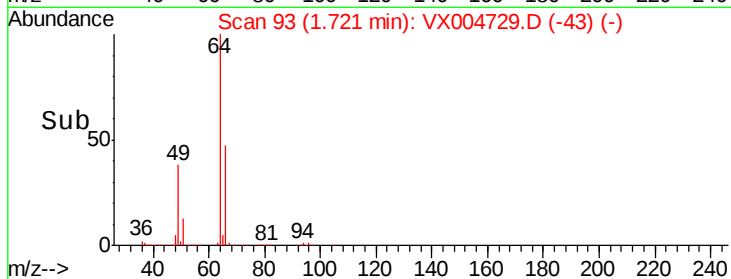
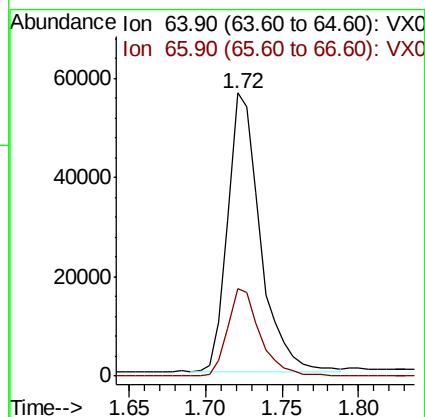
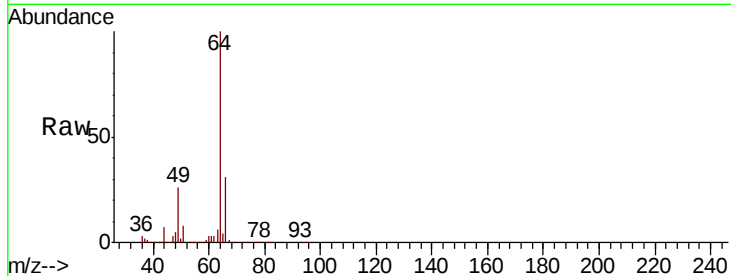
PT-VOA-WP

Tot Ion: 64 Resp: 82614

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8



#10

Methyl Iodide

Concen: 1.574 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

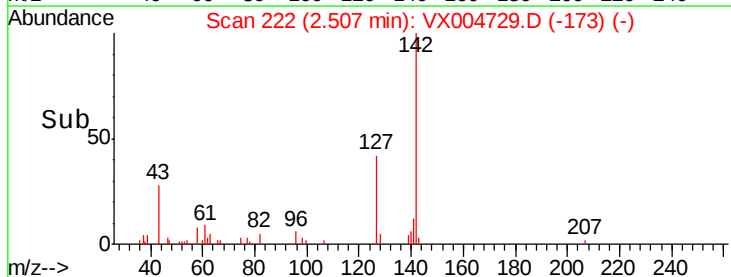
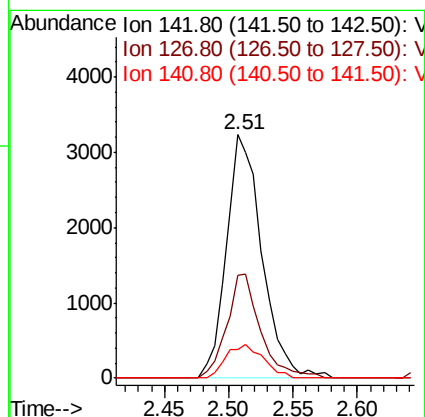
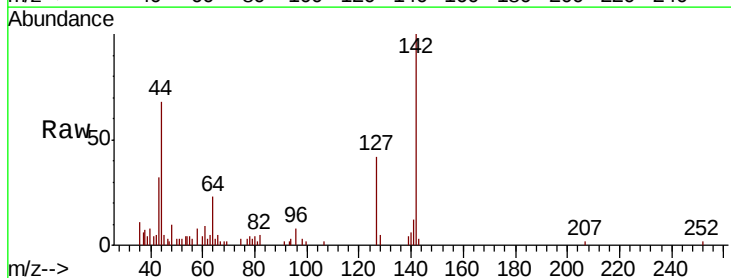
Tgt Ion: 142 Resp: 6236

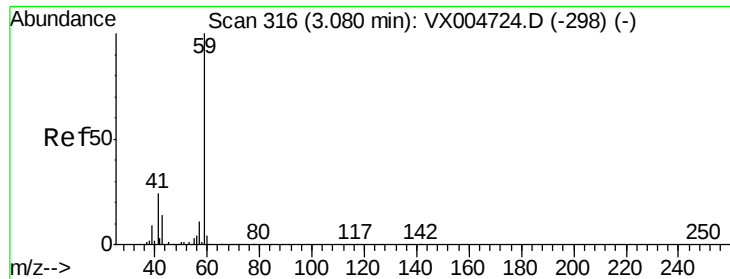
Ion Ratio Lower Upper

142 100

127 40.4 33.8 50.6

141 14.5 11.4 17.0



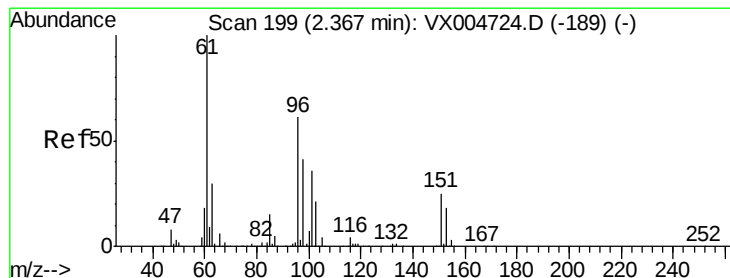
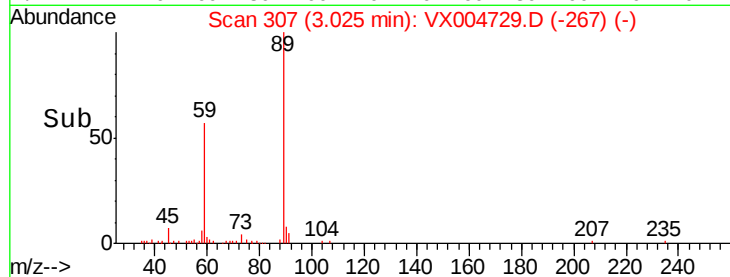
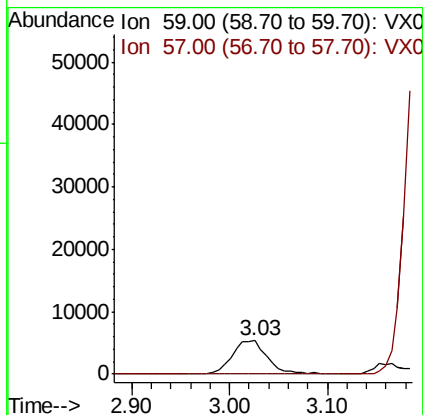
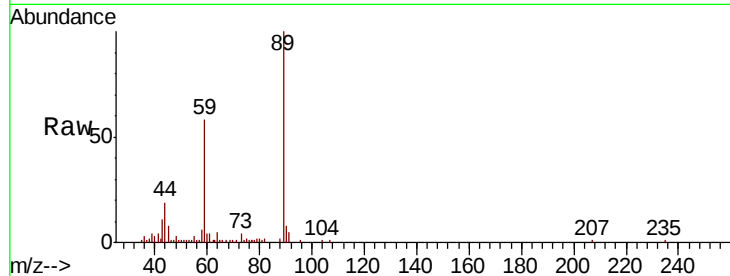


#11

Tert butyl alcohol  
 Concen: 12.635 ug/l  
 RT: 3.03 min Scan# 307  
 Delta R.T. -0.05 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

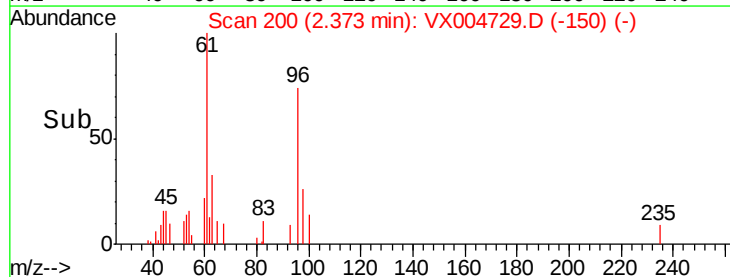
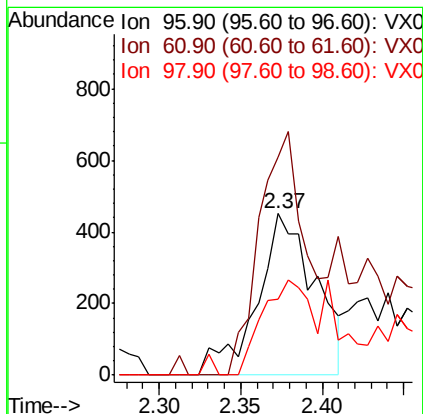
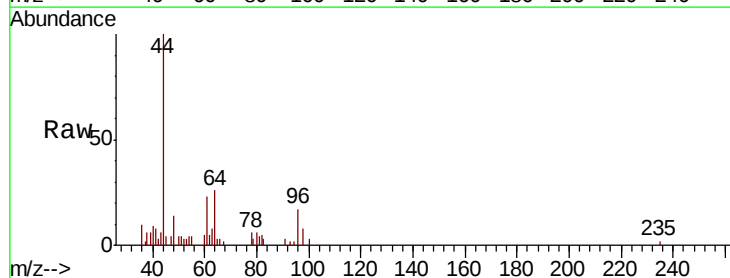
Tot Ion: 59 Resp: 13658  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.4#

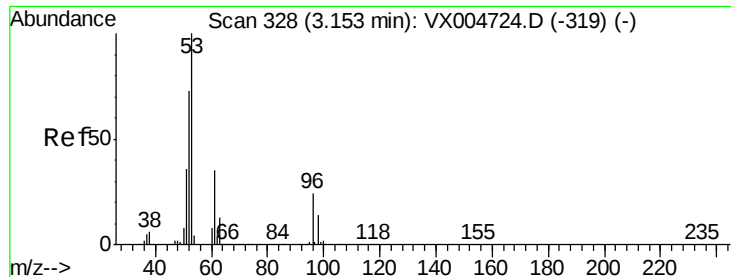


#12

1,1-Dichloroethene  
 Concen: 0.382 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. 0.01 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Tgt Ion: 96 Resp: 1120  
 Ion Ratio Lower Upper  
 96 100  
 61 134.8 128.8 193.2  
 98 47.5 52.2 78.2#





#15

Acrylonitrile

Concen: 5.132 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.05 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

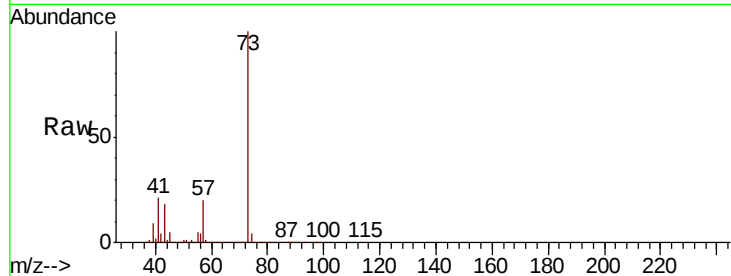
Tot Ion: 53 Resp: 12212

Ion Ratio Lower Upper

53 100

52 17.9 65.2 97.8#

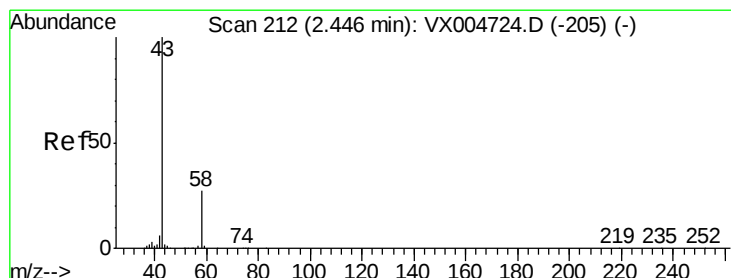
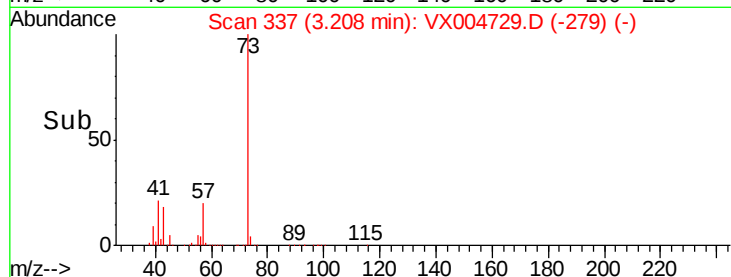
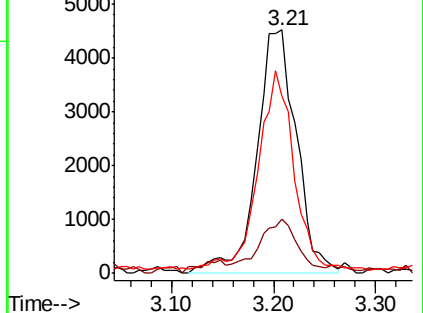
51 73.5 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 136.872 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004729.D

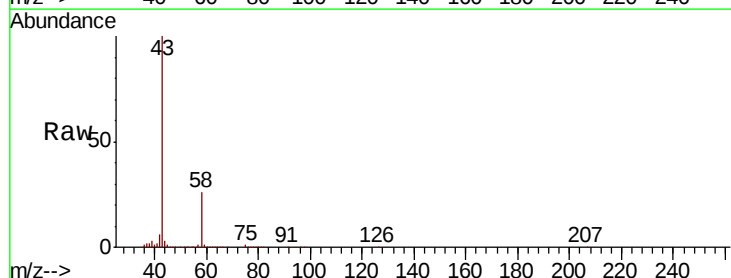
Acq: 26 Sep 2018 16:32

Tgt Ion: 43 Resp: 308930

Ion Ratio Lower Upper

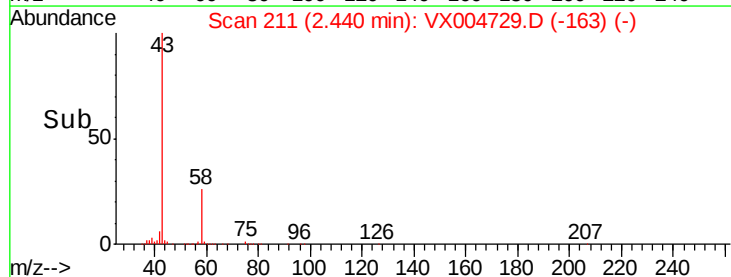
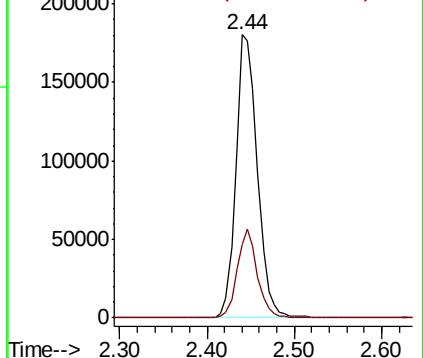
43 100

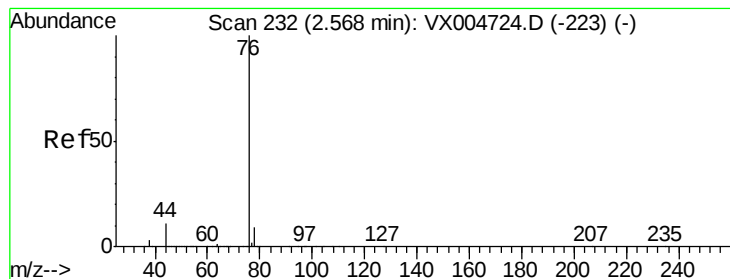
58 26.1 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

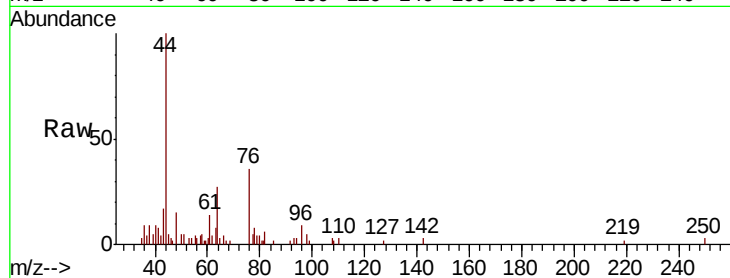
PT-VOA-WP

Tot Ion: 76 Resp: 1784

Ion Ratio Lower Upper

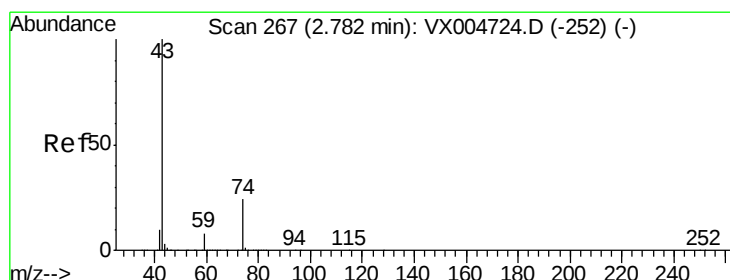
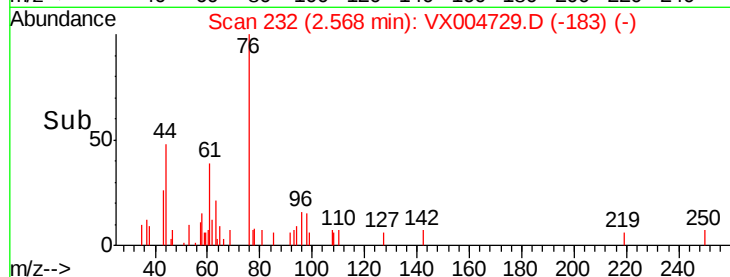
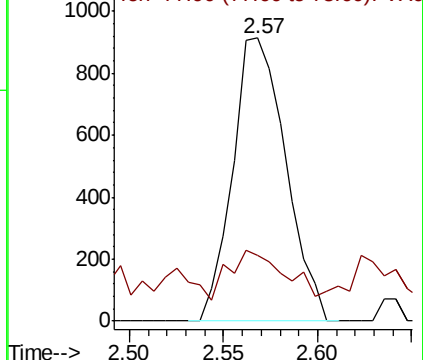
76 100

78 10.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004729.D

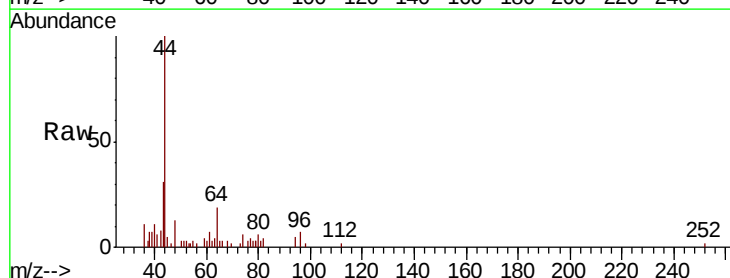
Acq: 26 Sep 2018 16:32

Tgt Ion: 43 Resp: 1597

Ion Ratio Lower Upper

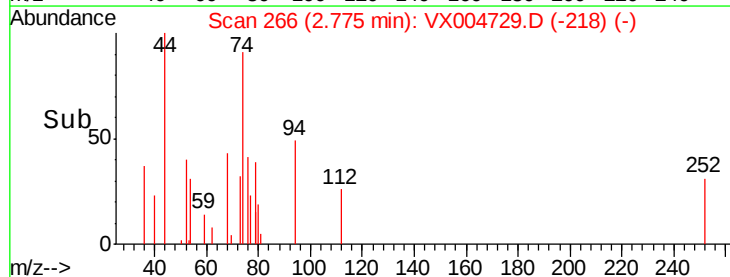
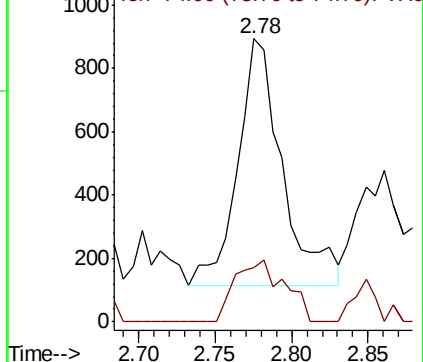
43 100

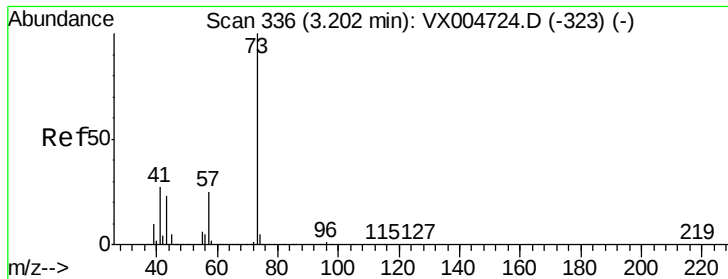
74 27.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

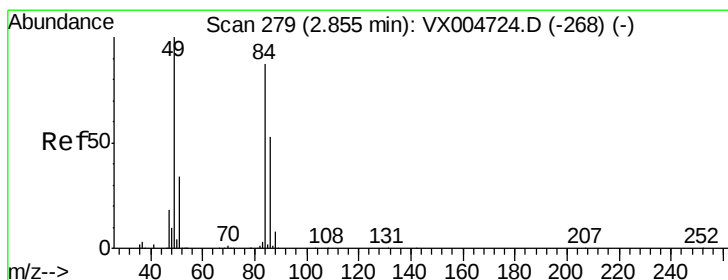
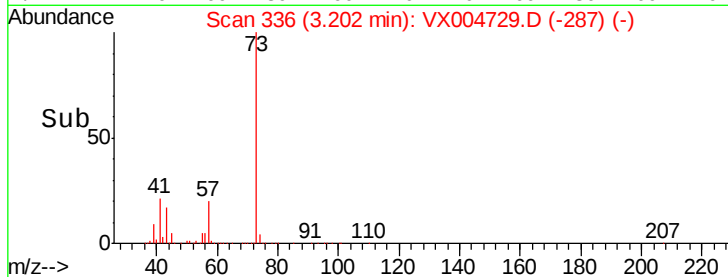
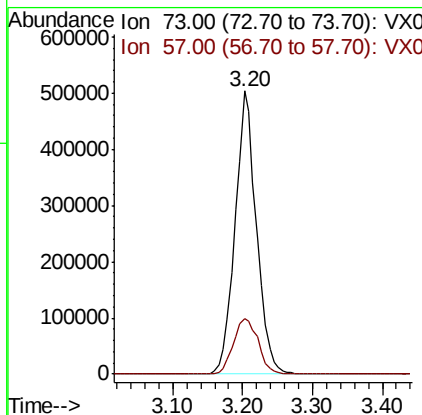
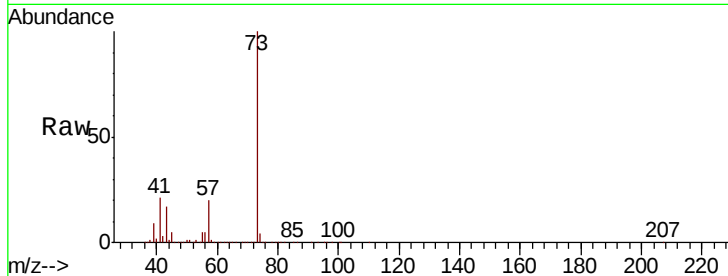




#19  
Methvl tert-butvl Ether  
Concen: 105.491 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

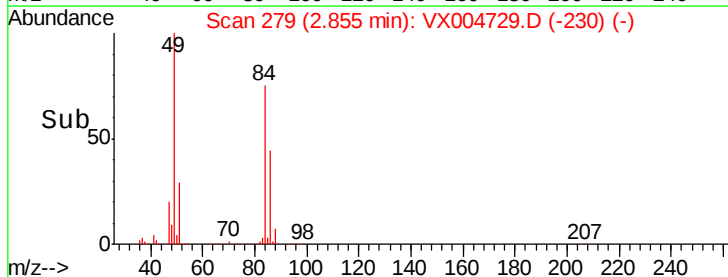
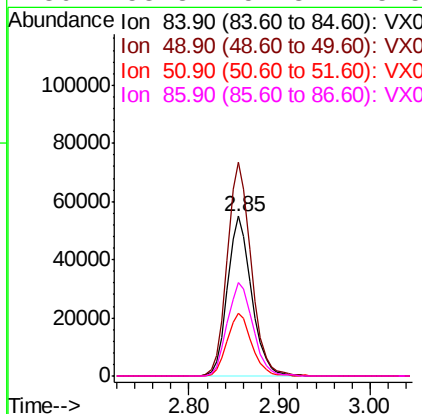
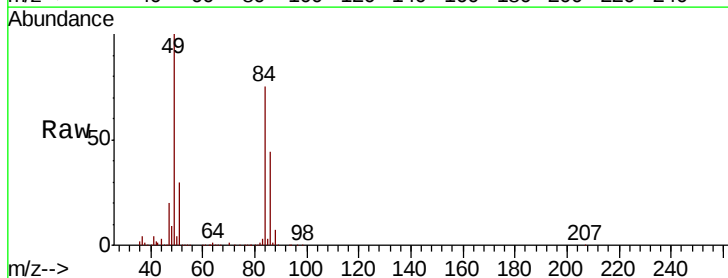
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

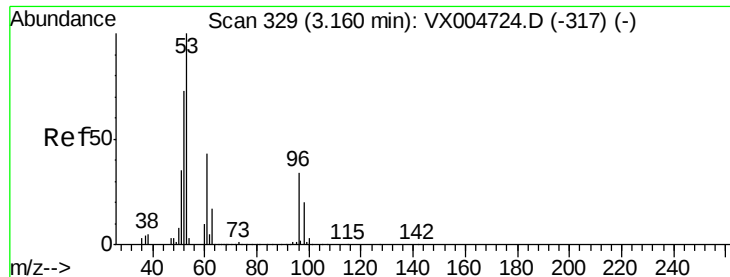
Tot Ion: 73 Resp: 1067038  
Ion Ratio Lower Upper  
73 100  
57 19.8 17.1 25.7



#20  
Methylene Chloride  
Concen: 30.411 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion: 84 Resp: 100879  
Ion Ratio Lower Upper  
84 100  
49 133.7 101.2 151.8  
51 39.3 29.5 44.3  
86 58.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 23.655 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

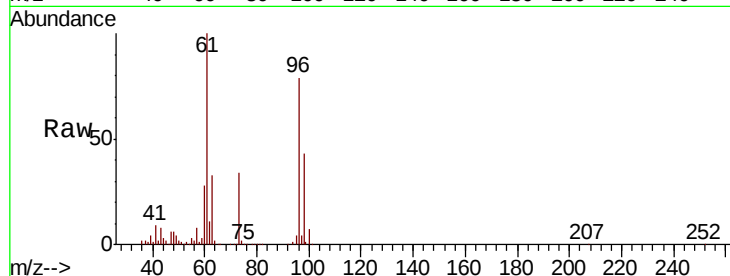
Tot Ion: 96 Resp: 75934

Ion Ratio Lower Upper

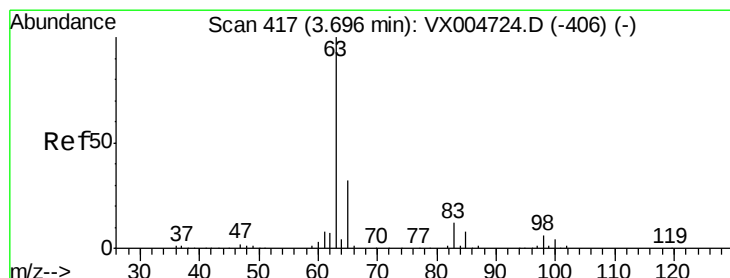
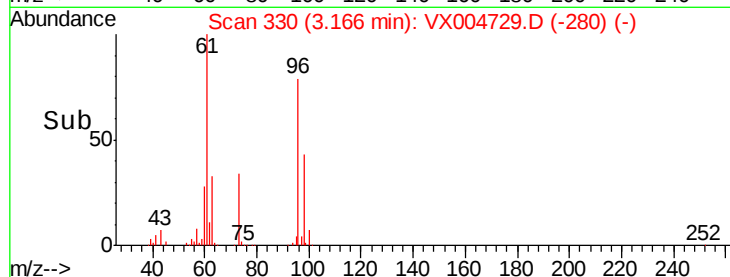
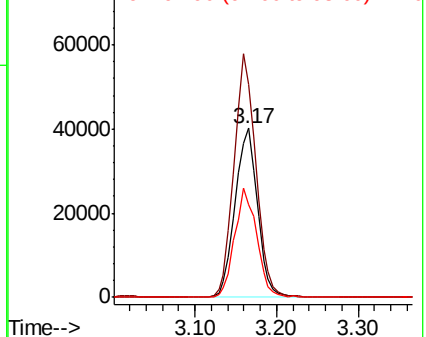
96 100

61 126.1 113.8 170.6

98 54.6 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 50.008 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

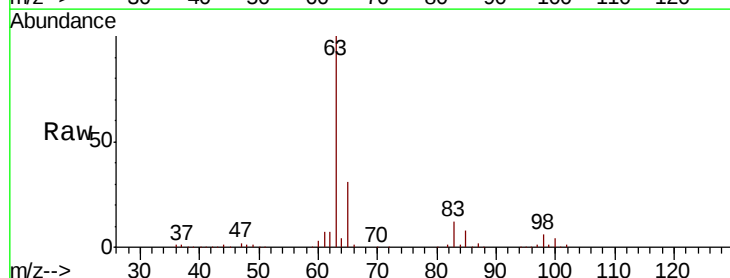
Tgt Ion: 63 Resp: 321403

Ion Ratio Lower Upper

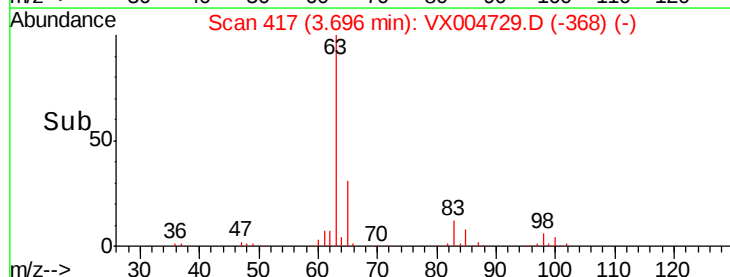
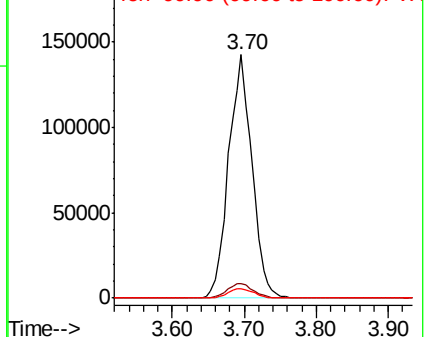
63 100

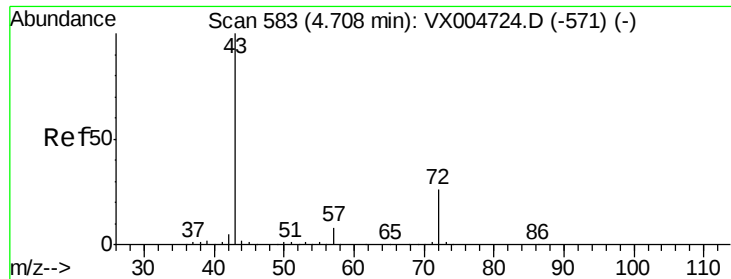
98 6.1 3.5 10.4

100 3.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0  
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 204.514 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

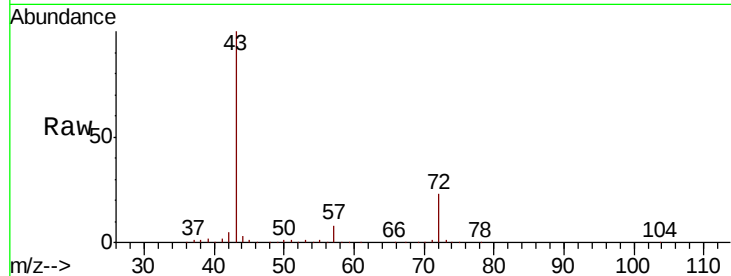
PT-VOA-WP

Tot Ion: 43 Resp: 680419

Ion Ratio Lower Upper

43 100

72 22.9 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

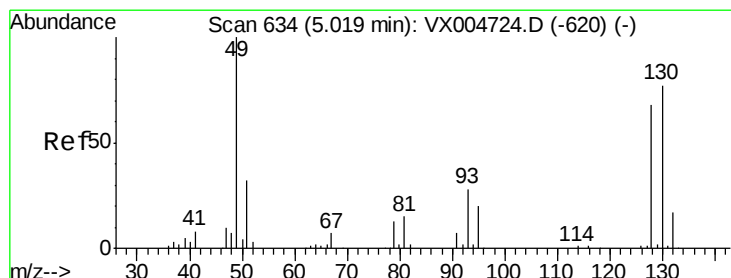
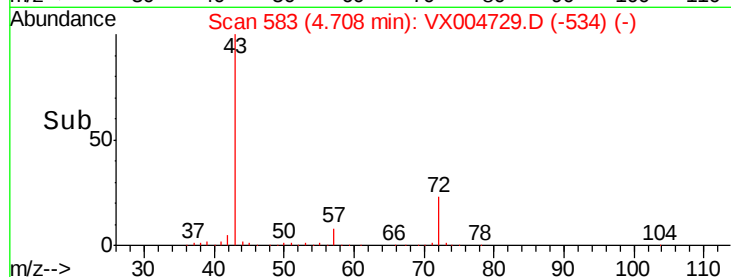
100000

50000

0

4.60 4.70 4.80 4.90

Time-->



#28

Bromochloromethane

Concen: 8.100 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.19 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

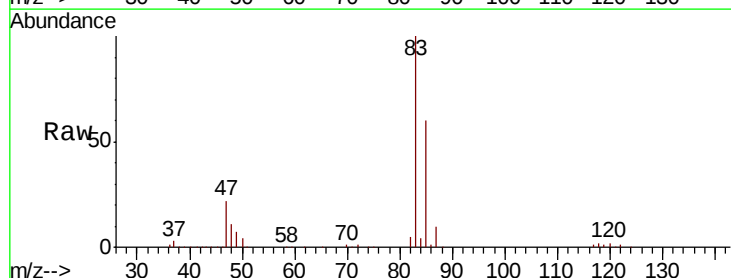
Tgt Ion: 49 Resp: 24516

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

10000

8000

6000

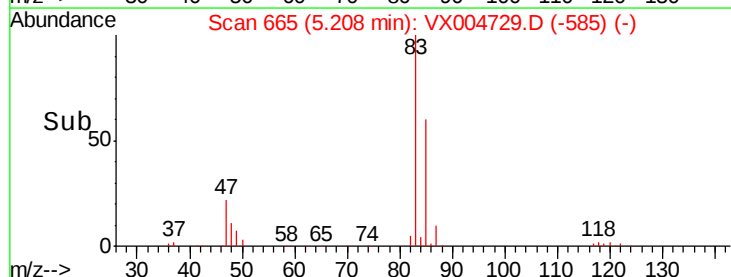
4000

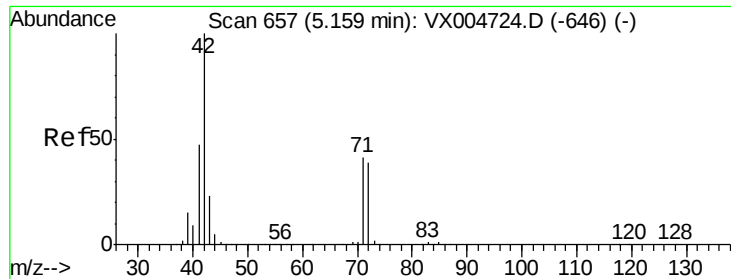
2000

0

5.10 5.20 5.30

Time-->

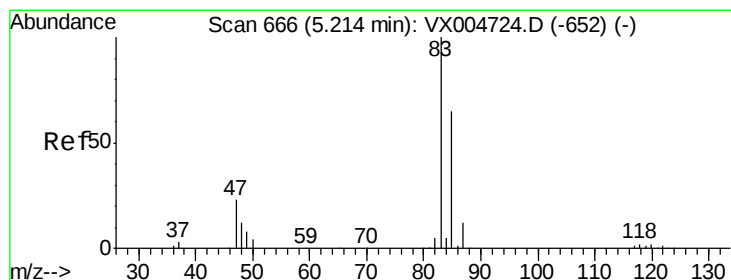
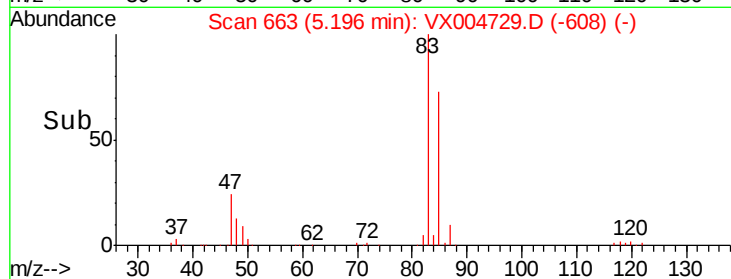
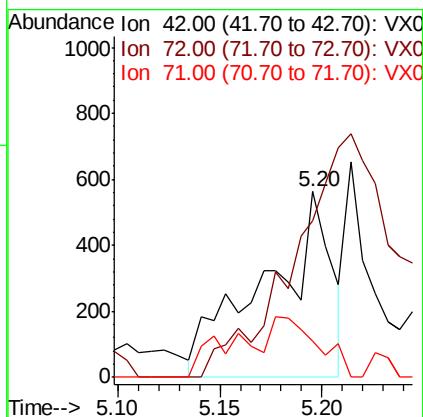
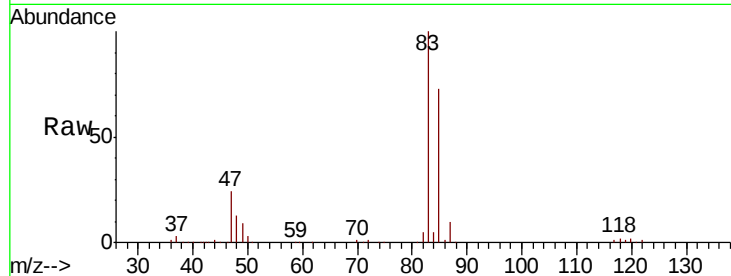




#29  
Tetrahydrofuran  
Concen: 0.607 ug/l  
RT: 5.20 min Scan# 663  
Delta R.T. 0.04 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

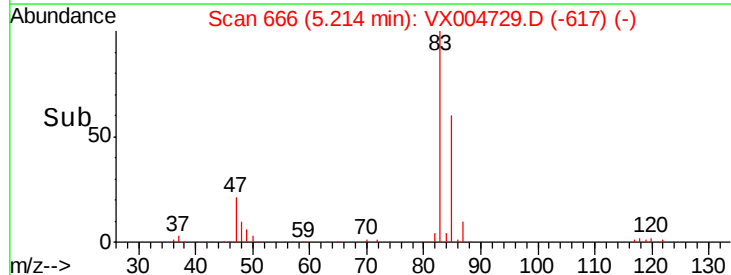
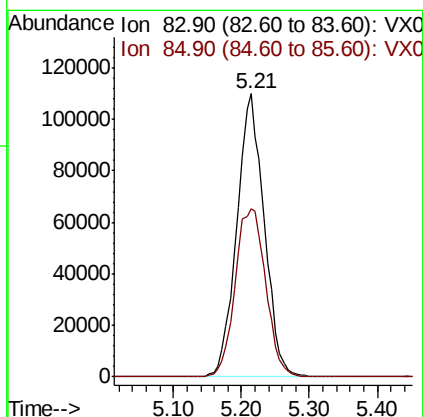
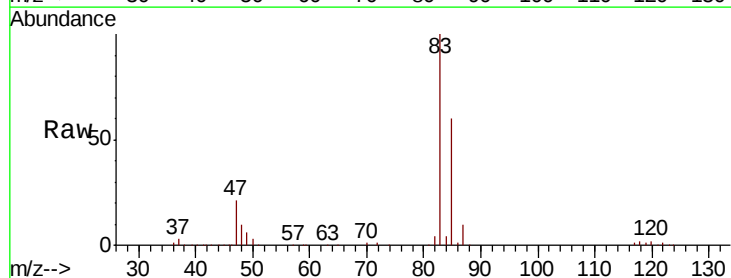
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

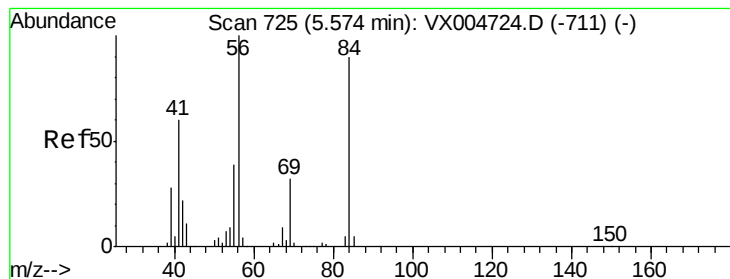
Tot Ion: 42 Resp: 1256  
Ion Ratio Lower Upper  
42 100  
72 0.0 37.4 56.0#  
71 22.9 34.5 51.7#



#30  
Chloroform  
Concen: 50.637 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion: 83 Resp: 307576  
Ion Ratio Lower Upper  
83 100  
85 59.6 52.6 79.0





#31

Cyclohexane

Concen: 1.051 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

PT-VOA-WP

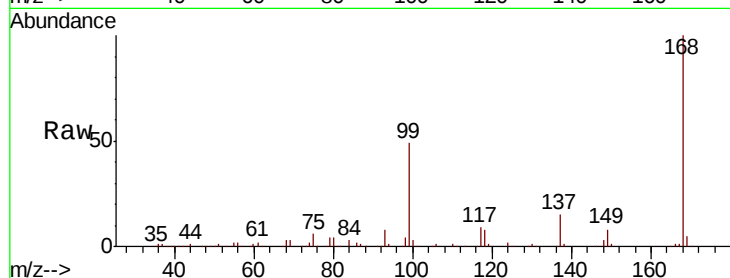
Tot Ion: 56 Resp: 5172

Ion Ratio Lower Upper

56 100

69 167.2 25.4 38.2#

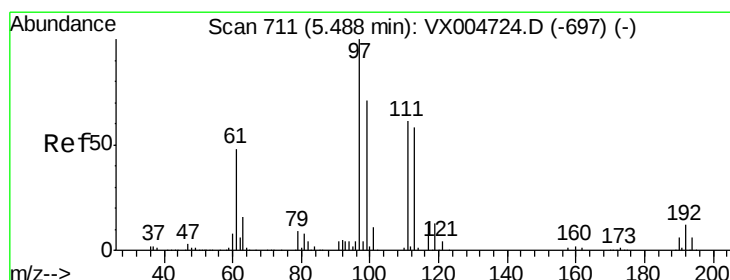
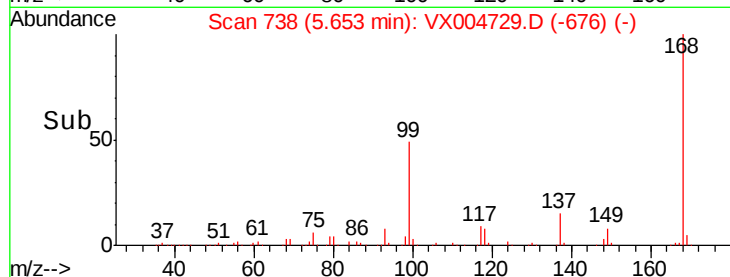
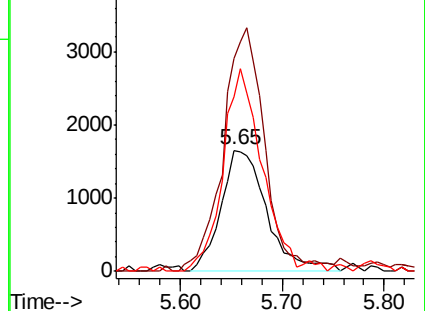
84 139.2 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.124 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

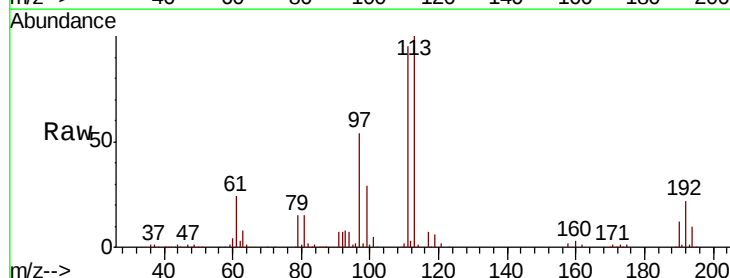
Tgt Ion: 97 Resp: 84943

Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

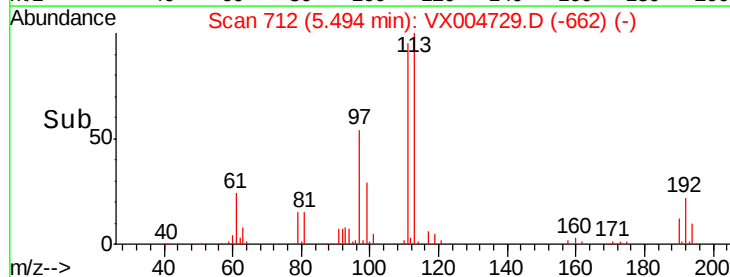
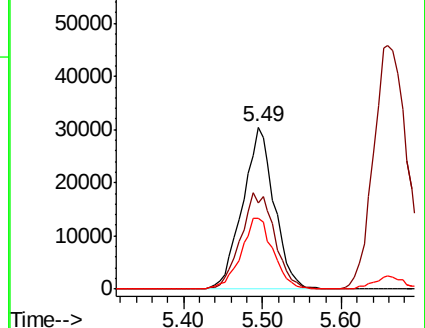
61 44.6 34.9 52.3

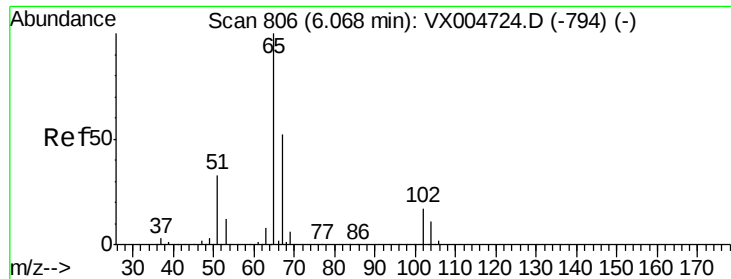


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.943 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

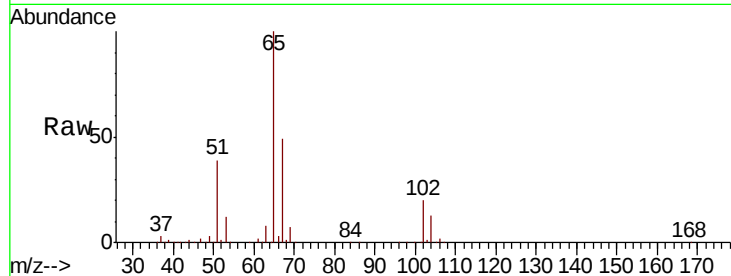
PT-VOA-WP

Tot Ion: 65 Resp: 208548

Ion Ratio Lower Upper

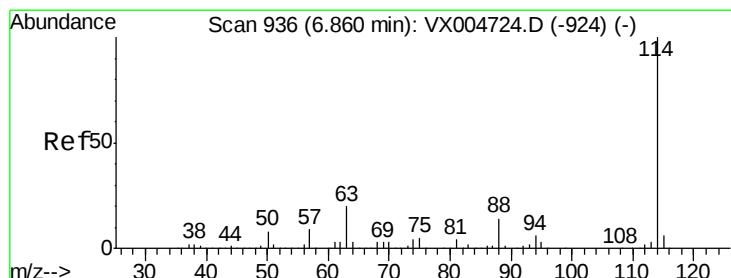
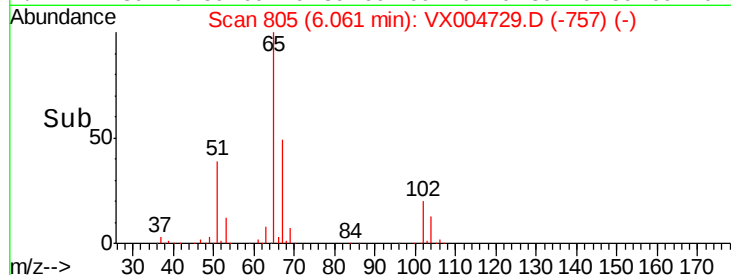
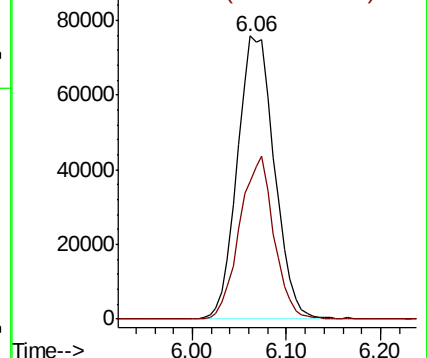
65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

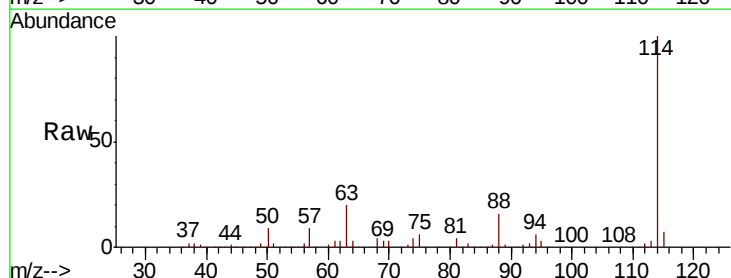
Tgt Ion: 114 Resp: 397120

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

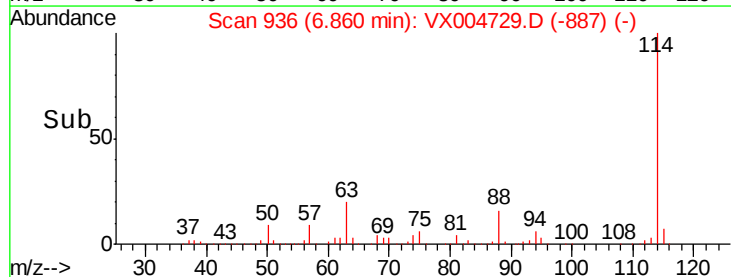
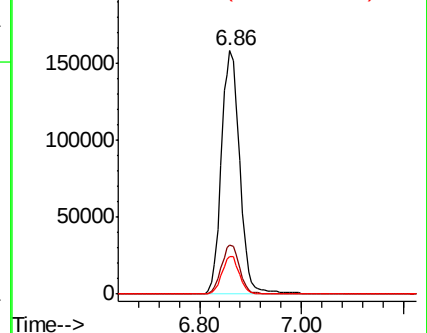
88 15.6 0.0 30.4

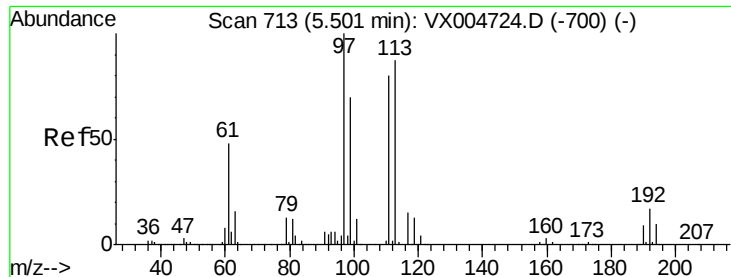


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

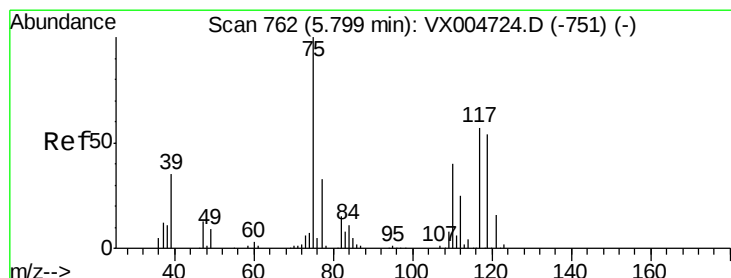
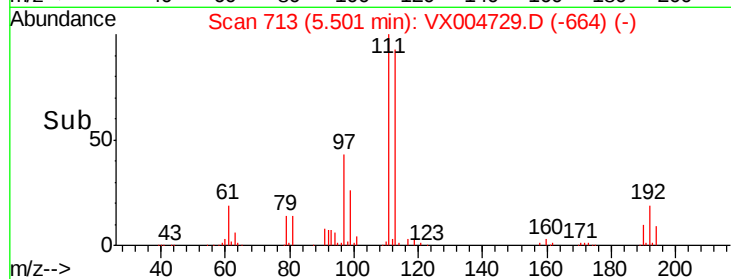
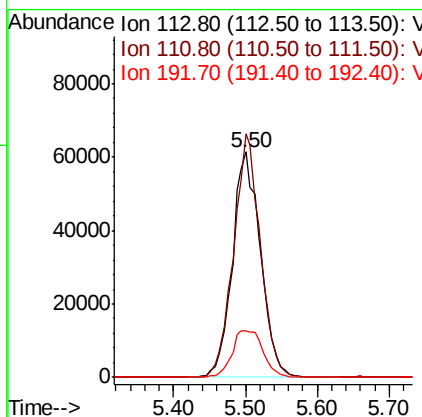
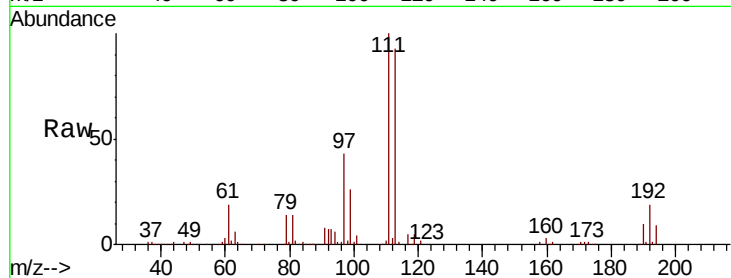




#35  
 Dibromofluoromethane  
 Concen: 49.224 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

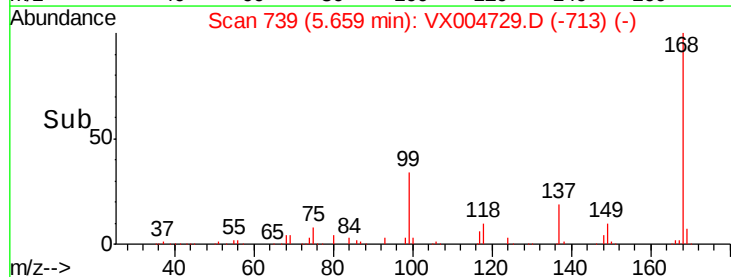
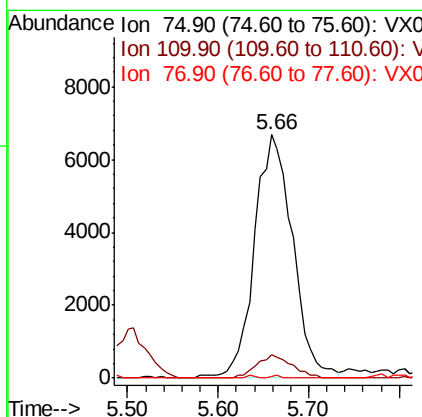
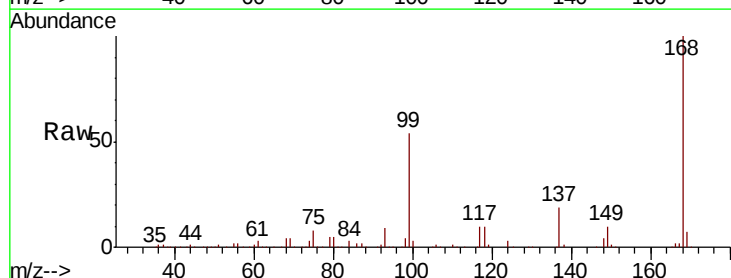
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

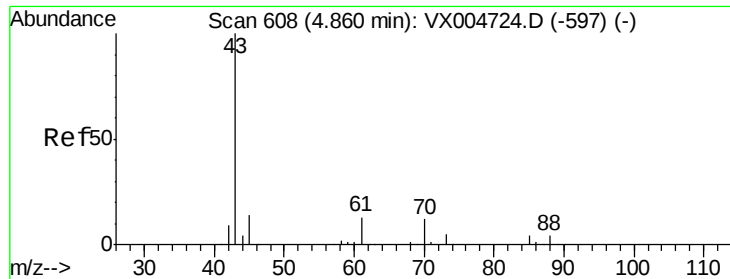
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 82.4  | 123.6 |
| 192     | 23.0  | 19.4  | 29.2  |



#36  
 1,1-Dichloropropene  
 Concen: 4.242 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.14 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.9   | 18.0  | 54.0# |
| 77      | 0.0   | 24.6  | 36.8# |





#37

Ethyl Acetate

Concen: 111.628 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

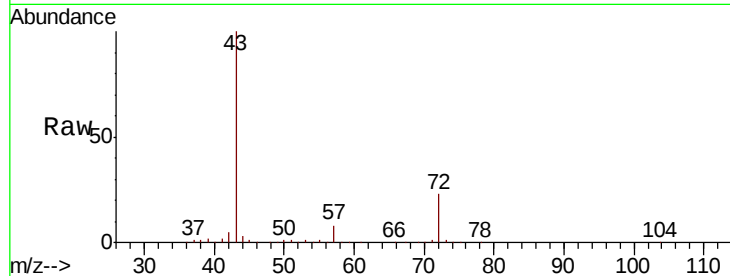
Tot Ion: 43 Resp: 680419

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

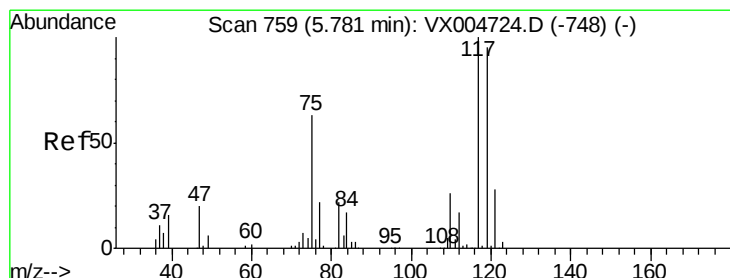
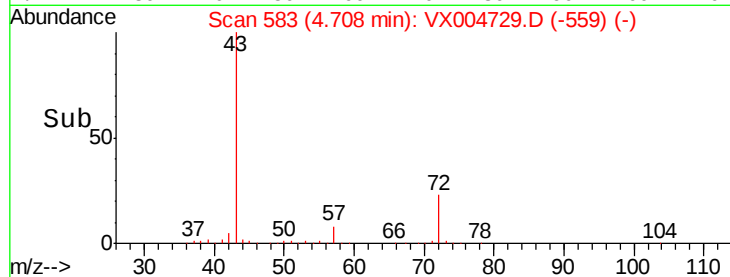
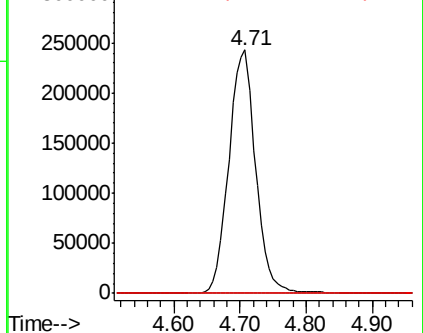
70 0.4 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.069 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

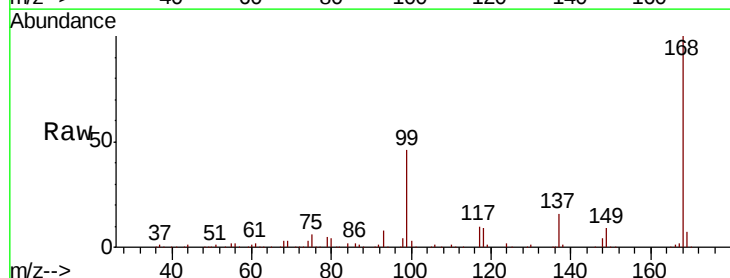
Tgt Ion: 117 Resp: 24467

Ion Ratio Lower Upper

117 100

119 5.9 78.8 118.2#

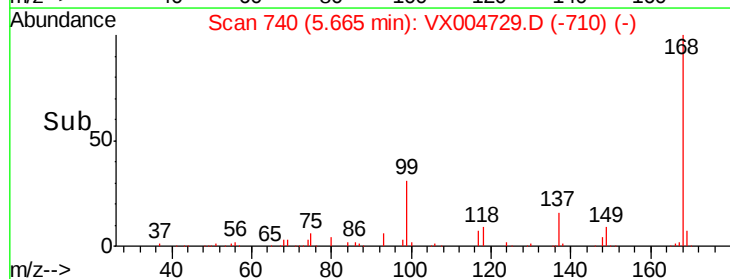
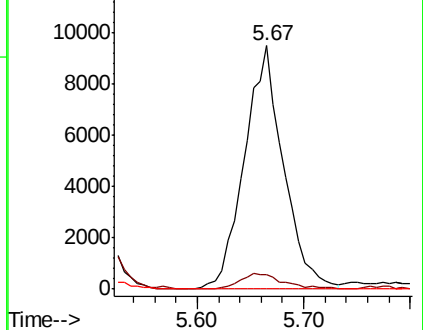
121 0.0 24.9 37.3#

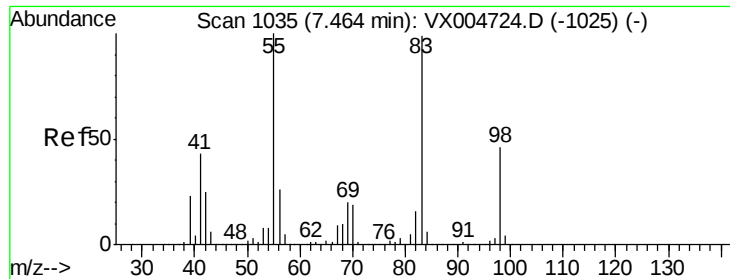


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

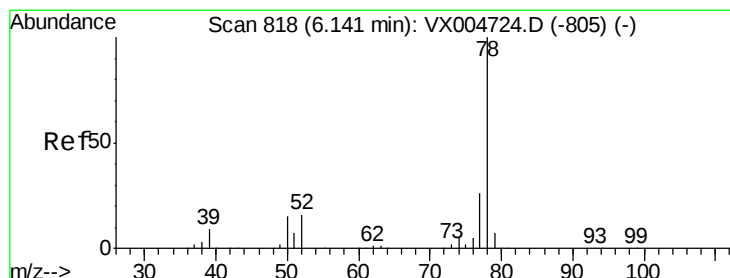
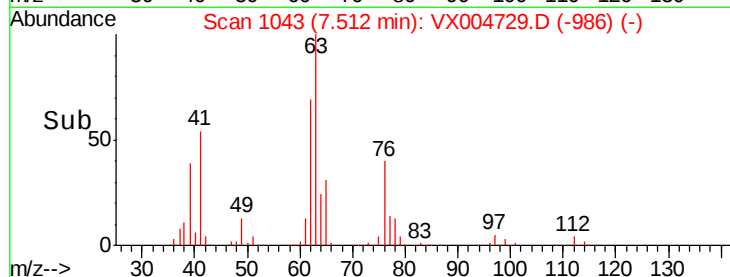
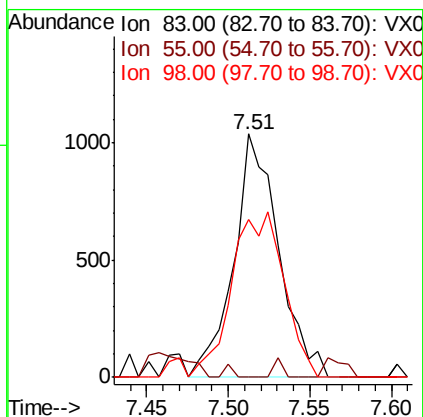
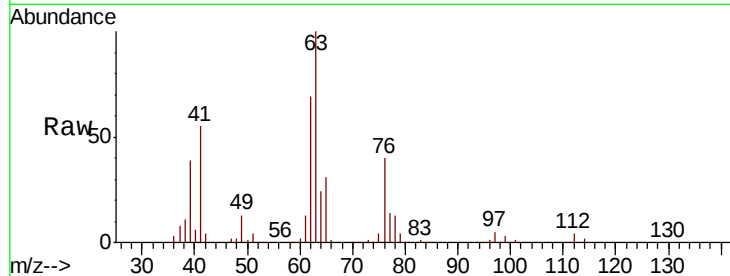




#39  
Methvlcvclohexane  
Concen: 0.422 ug/l  
RT: 7.51 min Scan# 1043  
Delta R.T. 0.05 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

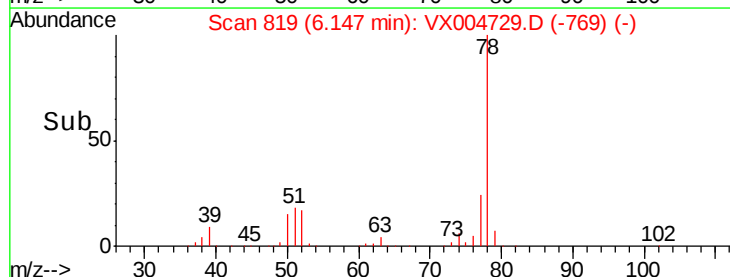
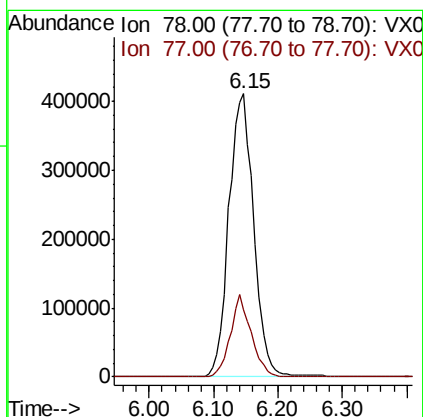
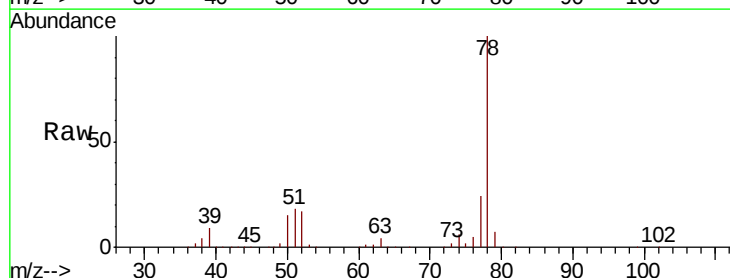
Instrument :  
MSVOA\_X  
ClientSampled :  
PT-VOA-WP

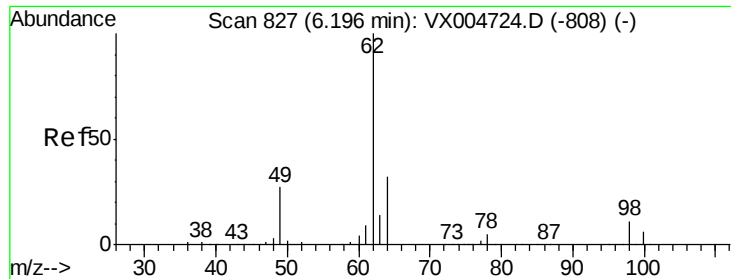
Tot Ion: 83 Resp: 1981  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.0 91.4#  
98 64.7 39.6 59.4#



#40  
Benzene  
Concen: 77.566 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion: 78 Resp: 1115100  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.0 28.4





#42

1,2-Dichloroethane

Concen: 1.857 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.05 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

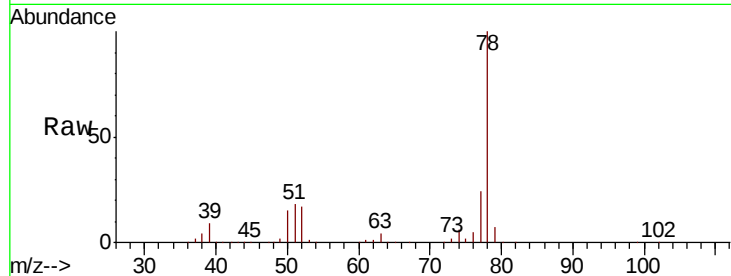
PT-VOA-WP

Tot Ion: 62 Resp: 9439

Ion Ratio Lower Upper

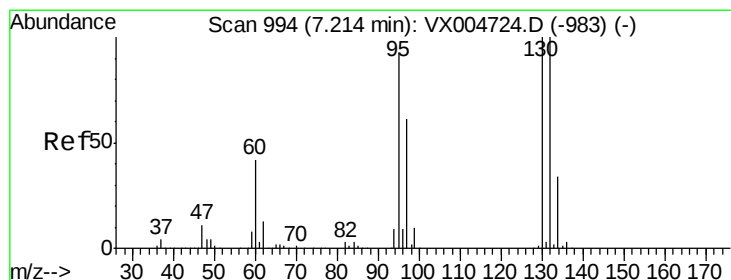
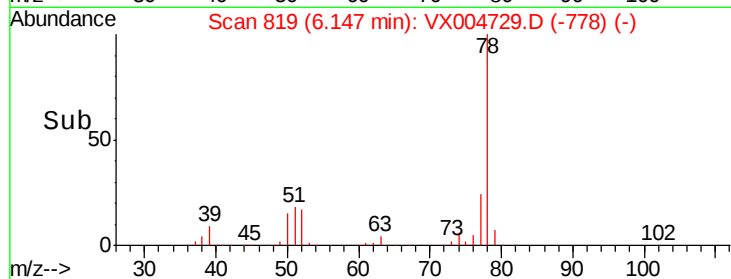
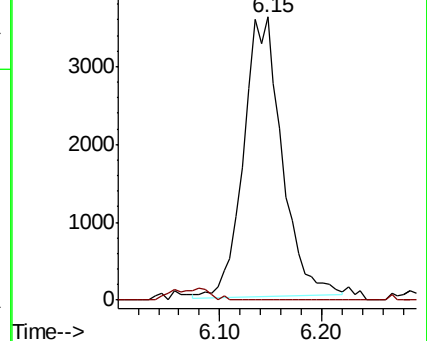
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 68.448 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004729.D

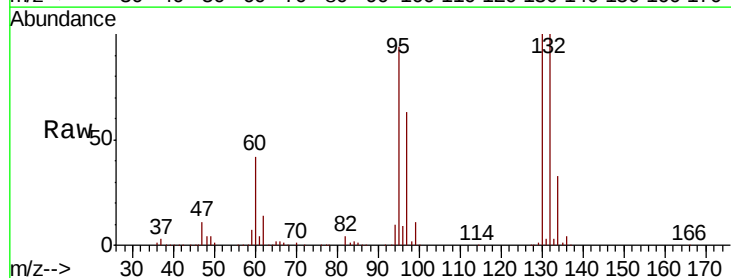
Acq: 26 Sep 2018 16:32

Tgt Ion:130 Resp: 241902

Ion Ratio Lower Upper

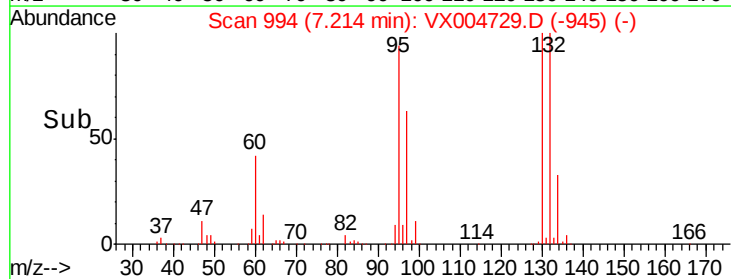
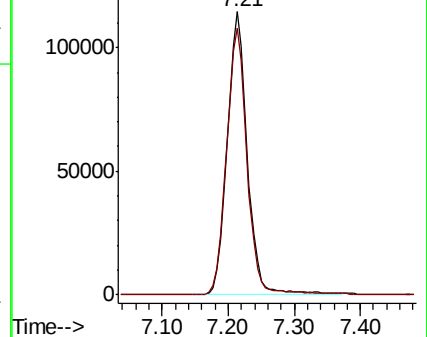
130 100

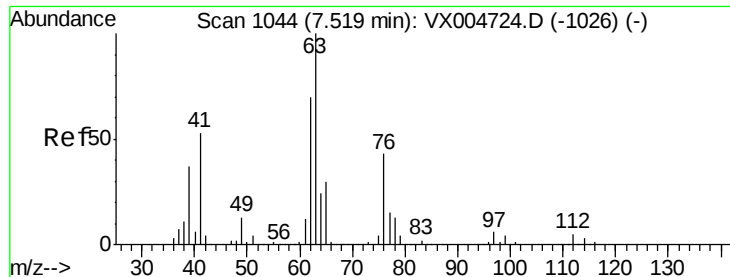
95 94.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

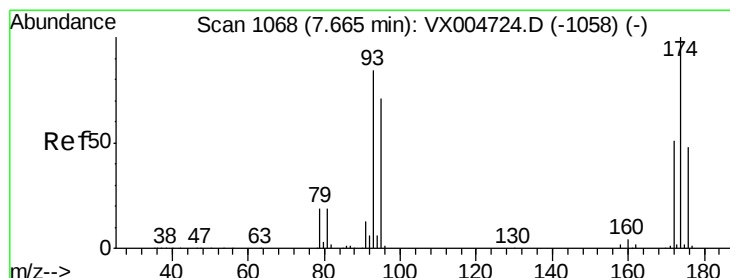
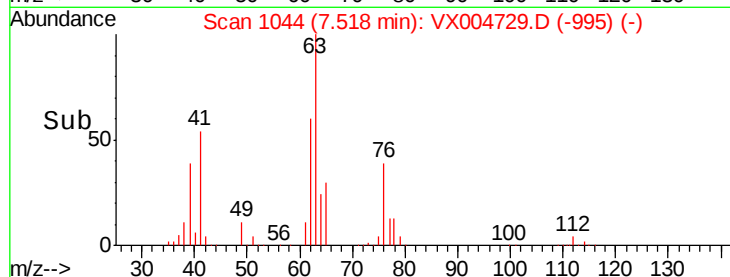
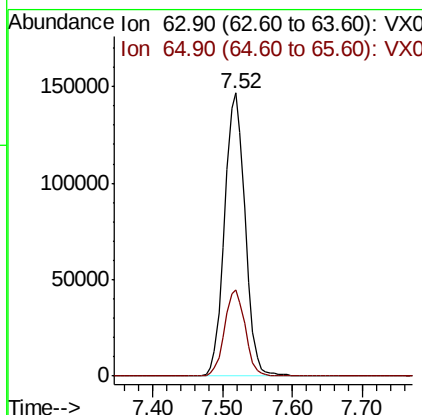
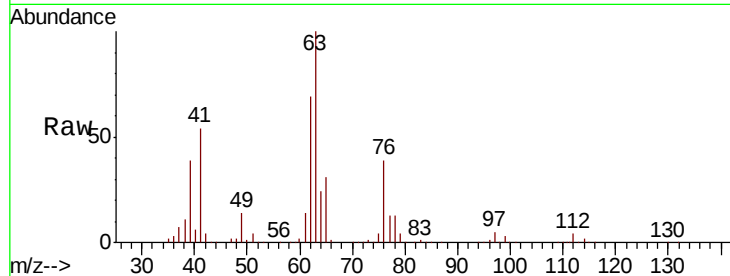




#45  
 1,2-Dichloropropane  
 Concen: 85.044 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

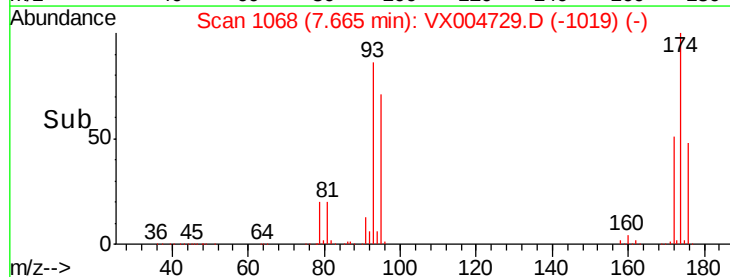
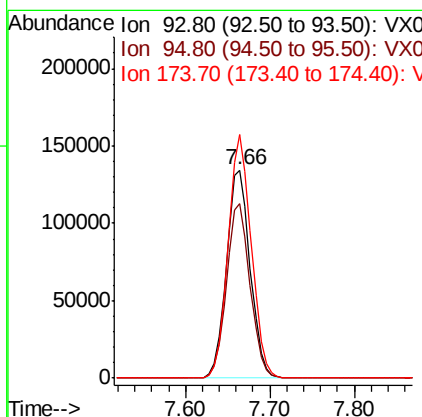
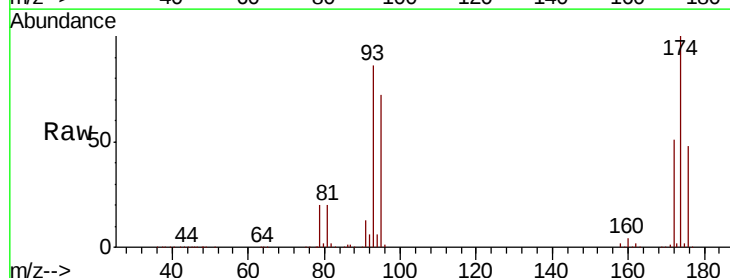
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

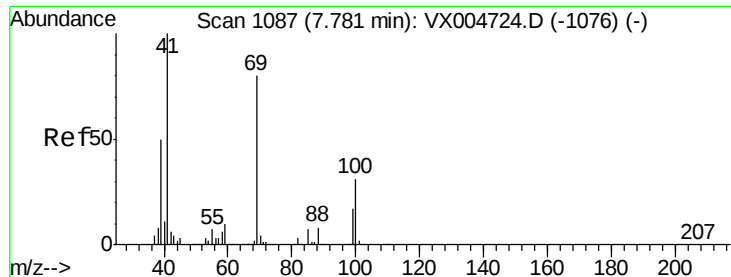
Tot Ion: 63 Resp: 299819  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.3 36.5



#46  
 Dibromomethane  
 Concen: 116.207 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Tgt Ion: 93 Resp: 257471  
 Ion Ratio Lower Upper  
 93 100  
 95 83.6 65.5 98.3  
 174 114.2 94.2 141.4





#48

Methyl methacrylate

Concen: 3.622 ug/l

RT: 8.04 min Scan# 1129

Delta R.T. 0.26 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

PT-VOA-WP

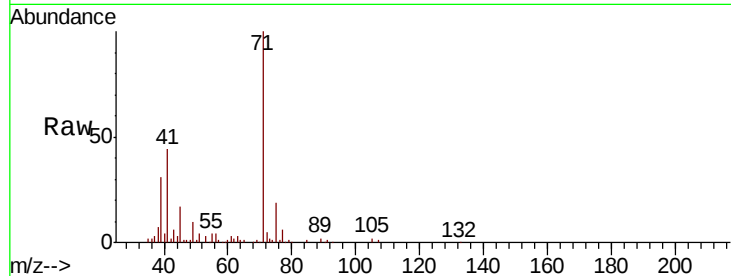
Tot Ion: 41 Resp: 14465

Ion Ratio Lower Upper

41 100

69 2.3 70.2 105.4#

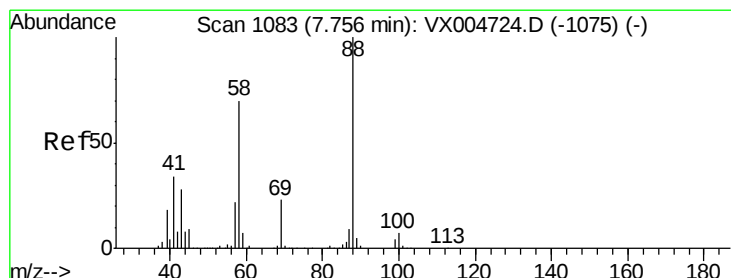
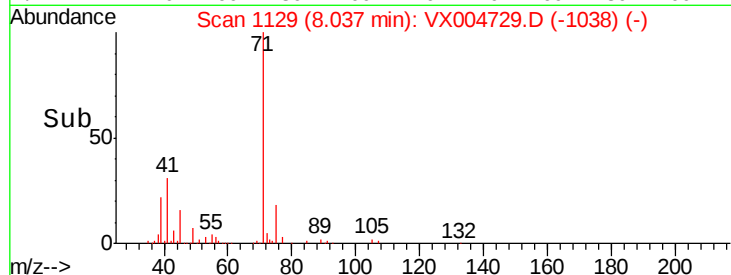
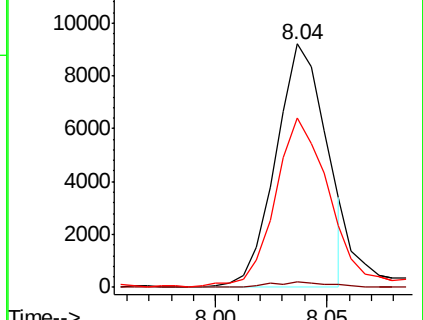
39 69.9 42.7 64.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 13.961 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.10 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

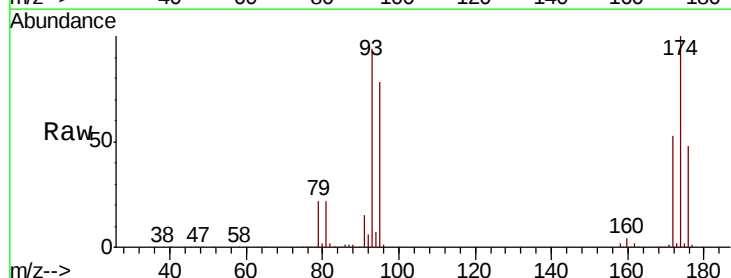
Tgt Ion: 88 Resp: 1385

Ion Ratio Lower Upper

88 100

43 0.0 24.7 37.1#

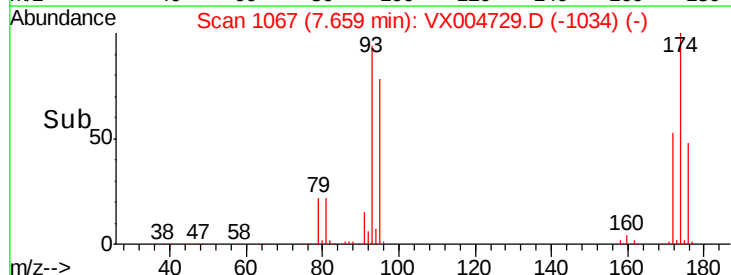
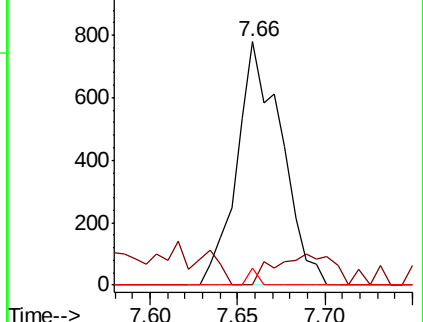
58 1.4 55.3 82.9#

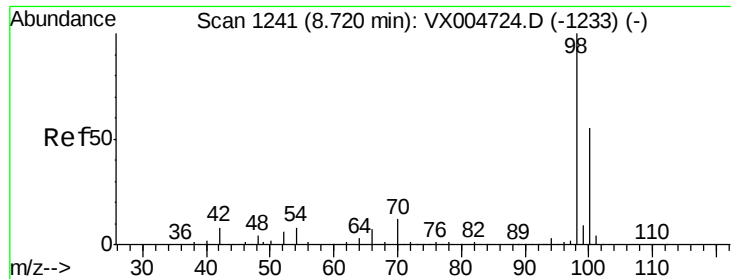


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.443 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

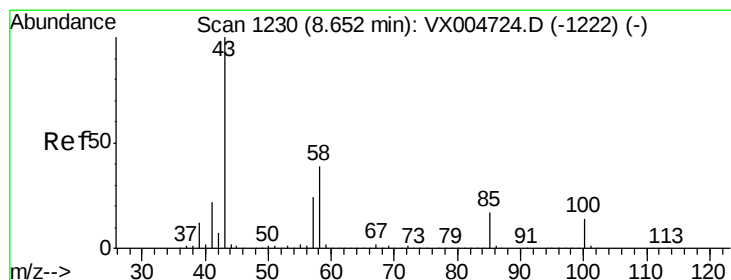
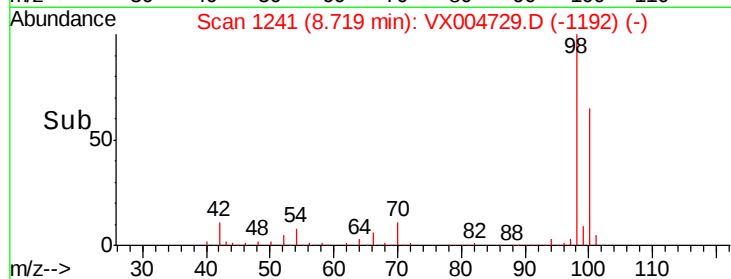
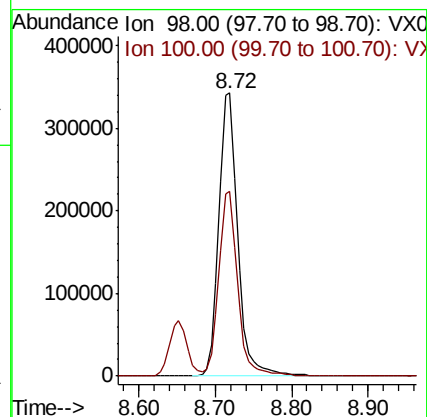
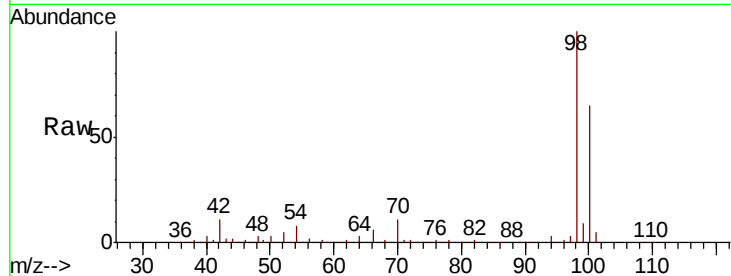
PT-VOA-WP

Tot Ion: 98 Resp: 586788

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 147.719 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004729.D

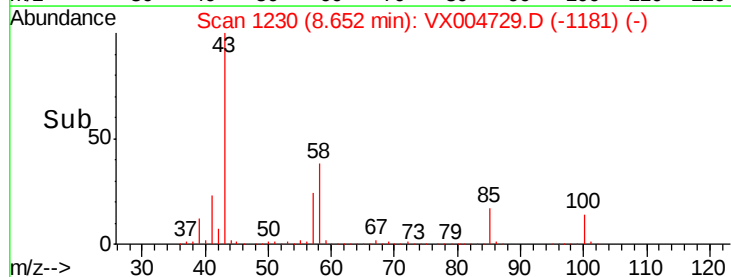
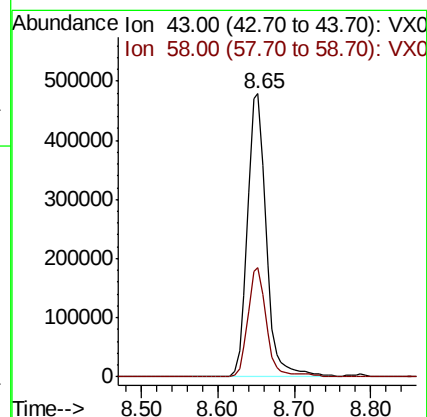
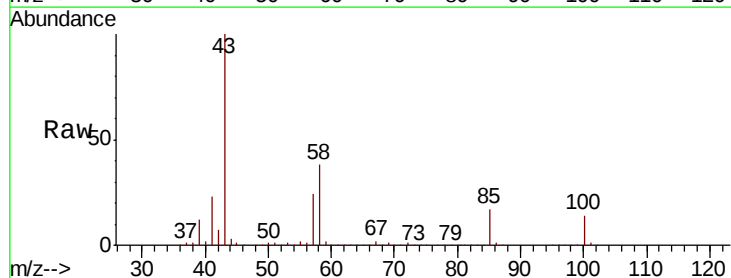
Acq: 26 Sep 2018 16:32

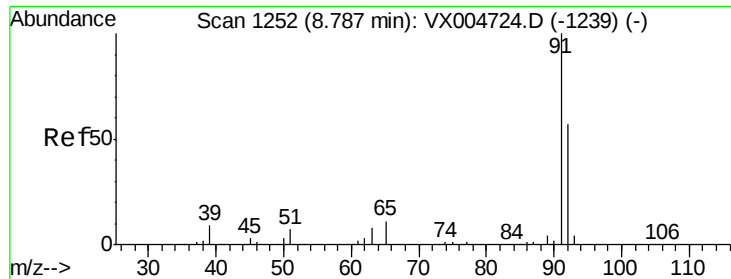
Tgt Ion: 43 Resp: 818288

Ion Ratio Lower Upper

43 100

58 38.5 33.1 49.7





#52

Toluene

Concen: 51.717 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

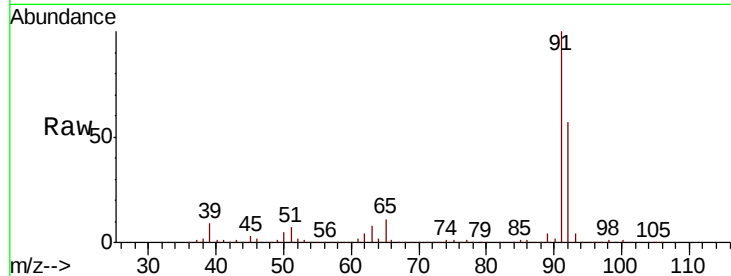
PT-VOA-WP

Tot Ion: 92 Resp: 408538

Ion Ratio Lower Upper

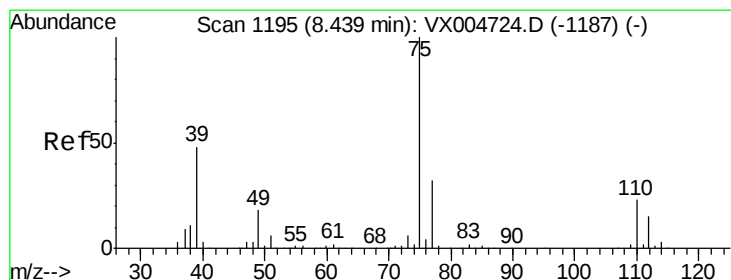
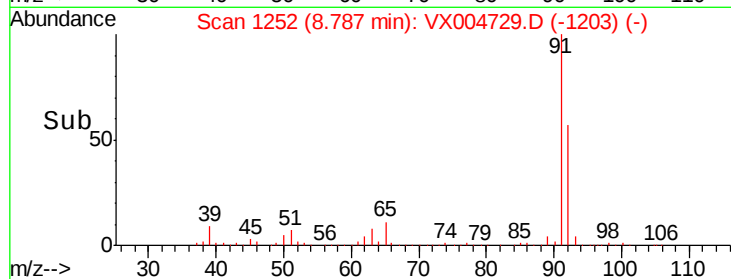
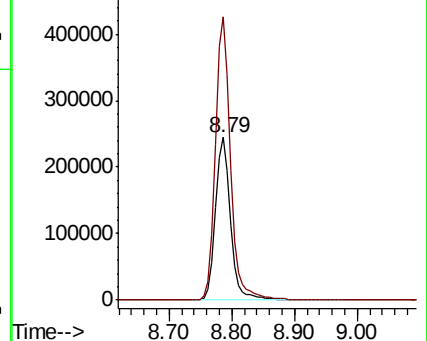
92 100

91 174.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 109.938 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

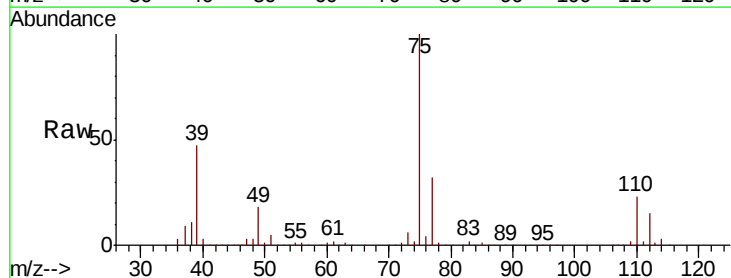
Tgt Ion: 75 Resp: 539794

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

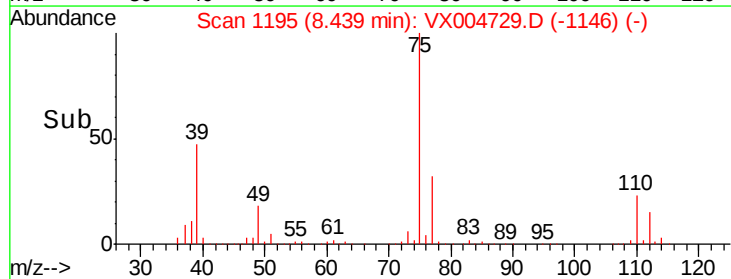
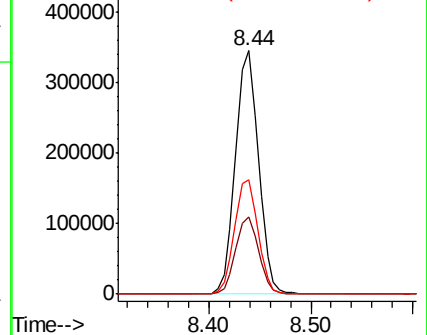
39 46.8 36.4 54.6

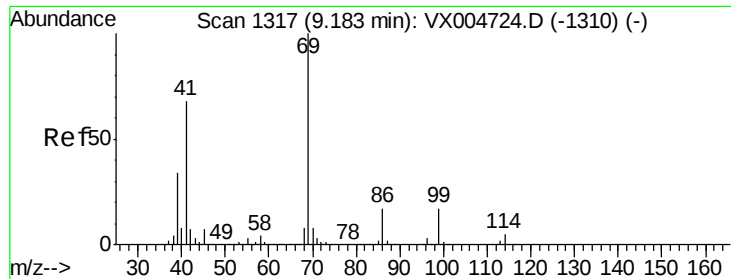


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

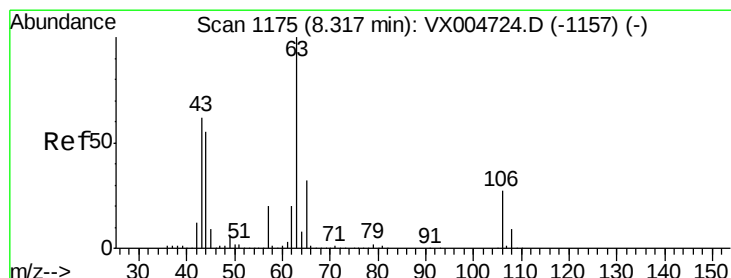
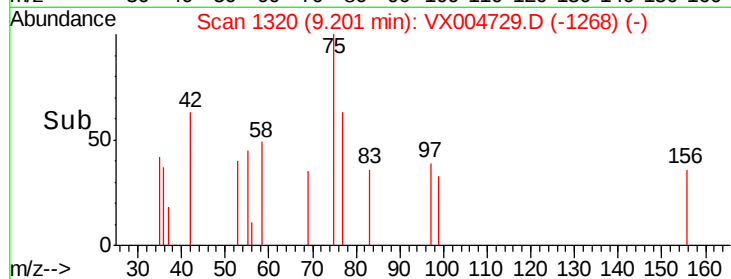
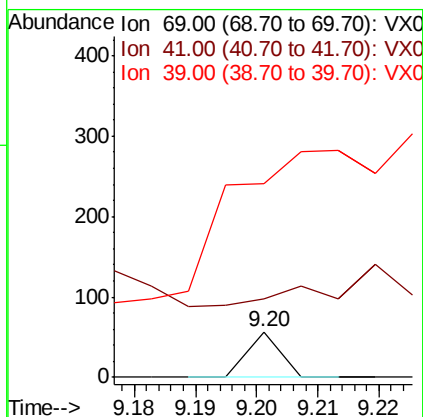
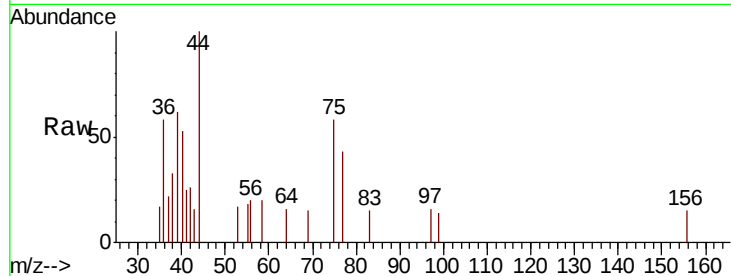




#56  
Ethyl methacrylate  
Concen: 2.866 ug/l  
RT: 9.20 min Scan# 1320  
Delta R.T. 0.02 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

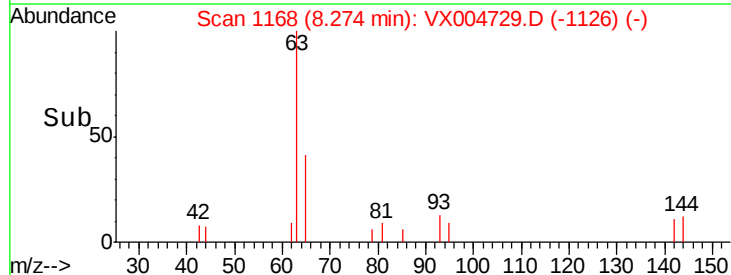
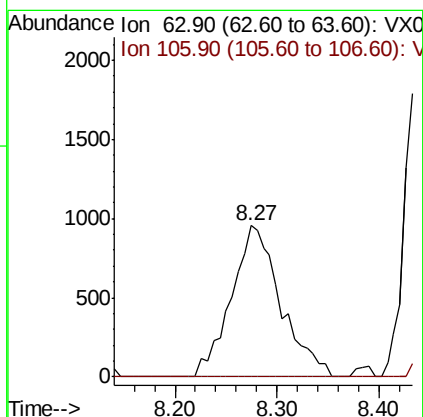
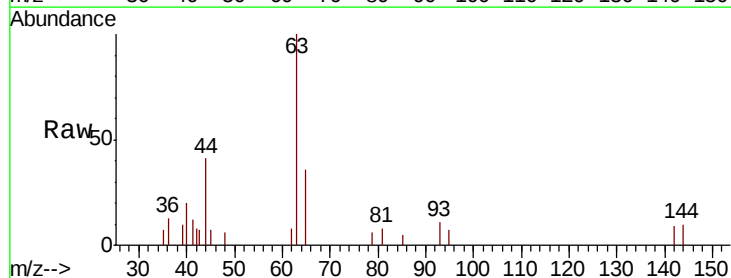
Instrument :  
MSVOA\_X  
ClientSampled :  
PT-VOA-WP

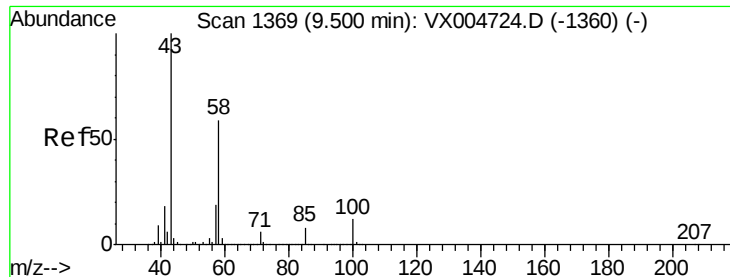
Tot Ion: 69 Resp: 21  
Ion Ratio Lower Upper  
69 100  
41 0.0 51.0 76.4#  
39 1423.8 26.1 39.1#



#58  
2-Chloroethyl Vinyl ether  
Concen: 15.261 ug/l  
RT: 8.27 min Scan# 1168  
Delta R.T. -0.04 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion: 63 Resp: 3221  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#

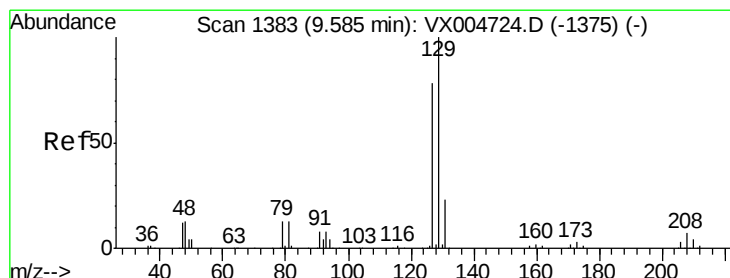
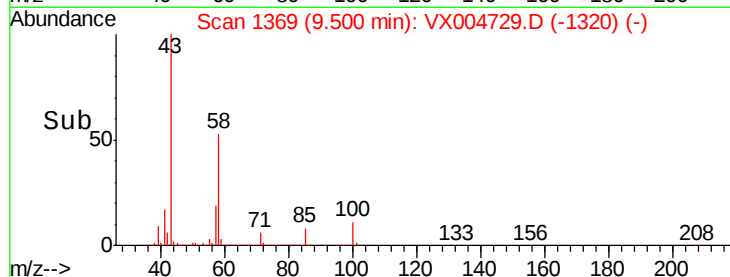
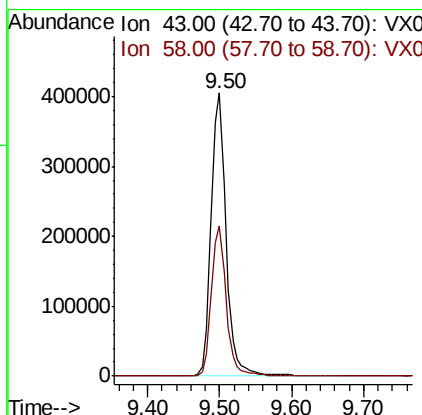
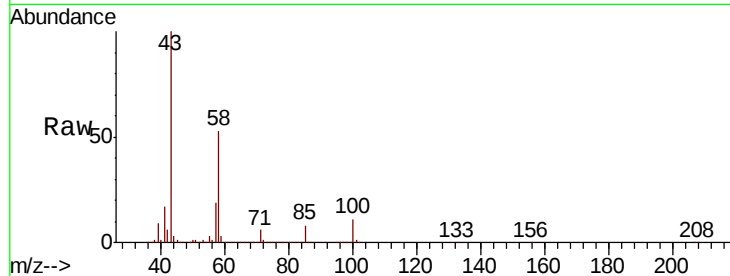




#59  
2-Hexanone  
Concen: 126.165 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

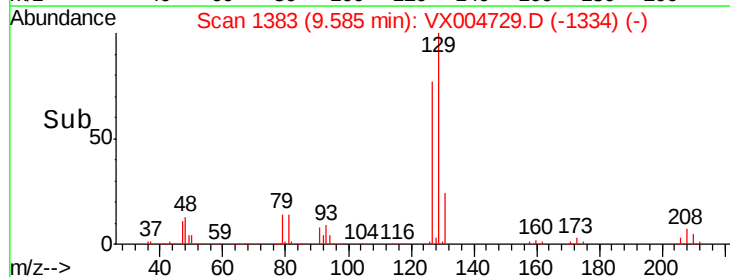
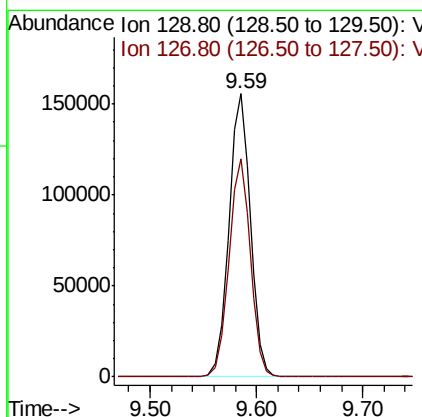
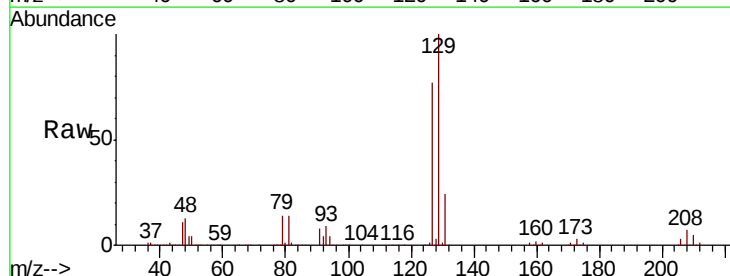
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

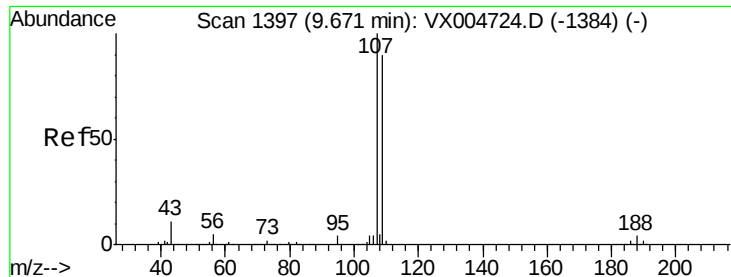
Tot Ion: 43 Resp: 582397  
Ion Ratio Lower Upper  
43 100  
58 52.7 29.0 87.0



#60  
Dibromochloromethane  
Concen: 63.569 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion: 129 Resp: 219978  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.5 115.5

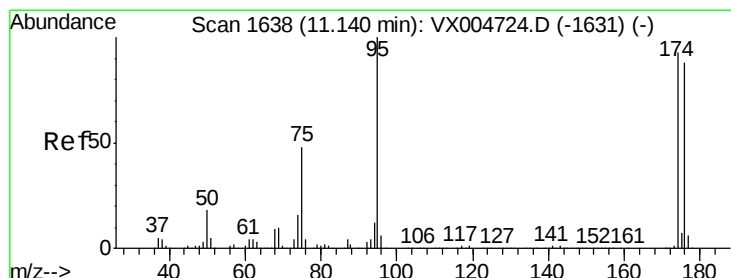
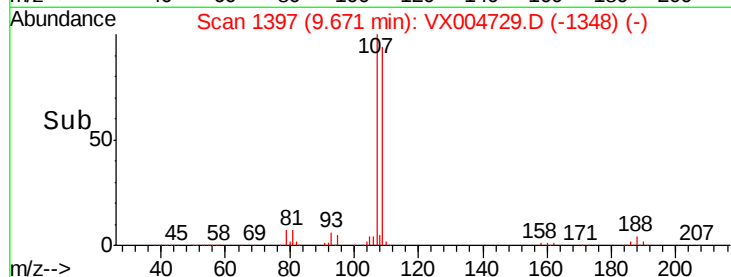
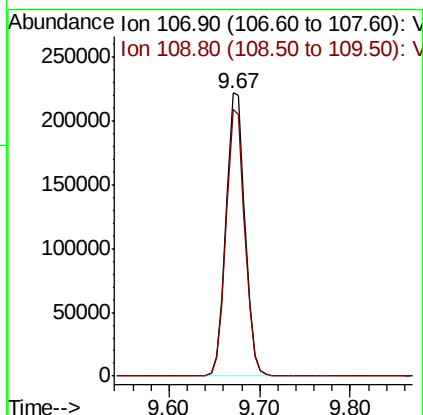
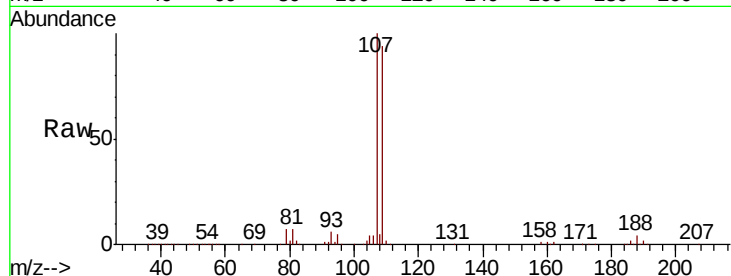




#61  
 1,2-Dibromoethane  
 Concen: 86.602 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

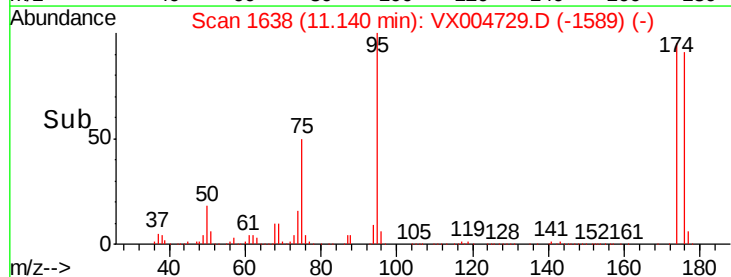
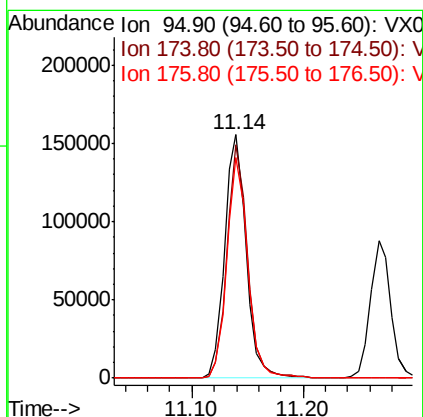
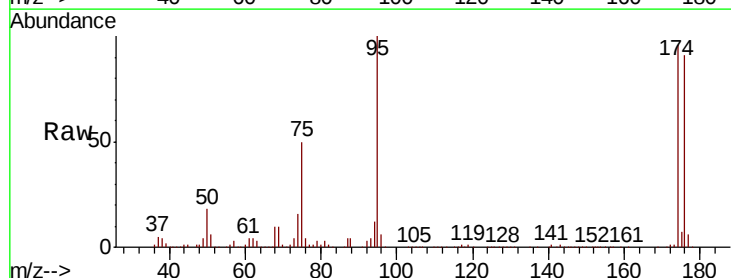
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

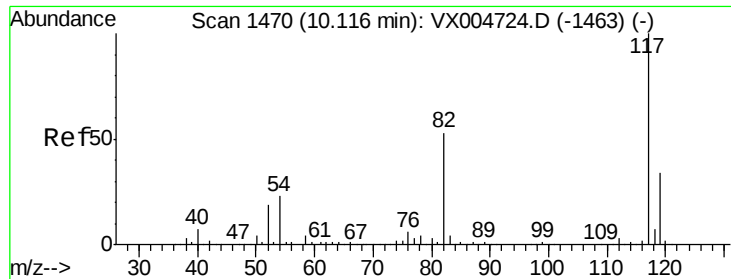
Tot Ion:107 Resp: 320923  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 76.0 114.0



#62  
 4-Bromofluorobenzene  
 Concen: 51.511 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Tgt Ion: 95 Resp: 207635  
 Ion Ratio Lower Upper  
 95 100  
 174 92.0 0.0 185.2  
 176 88.3 0.0 178.6

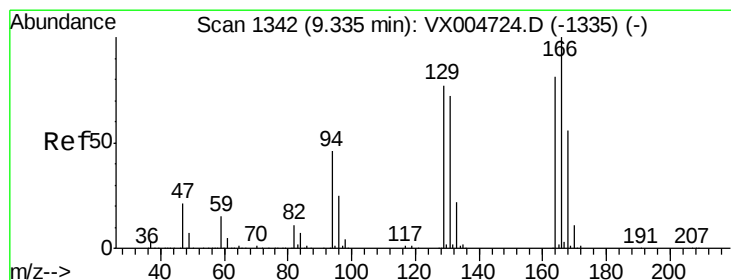
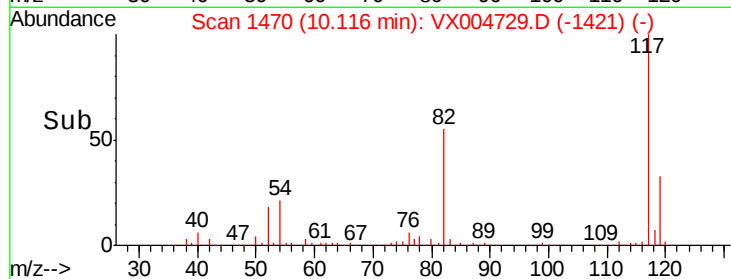
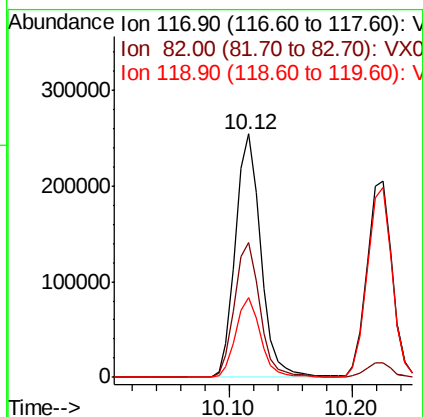
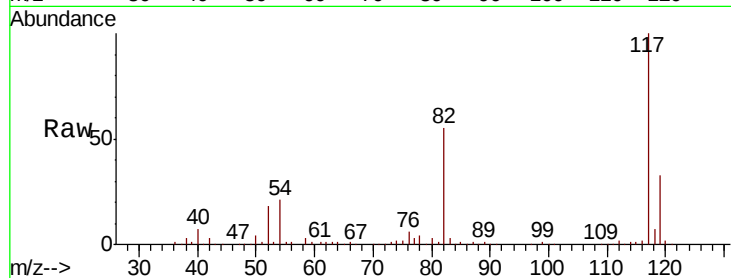




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

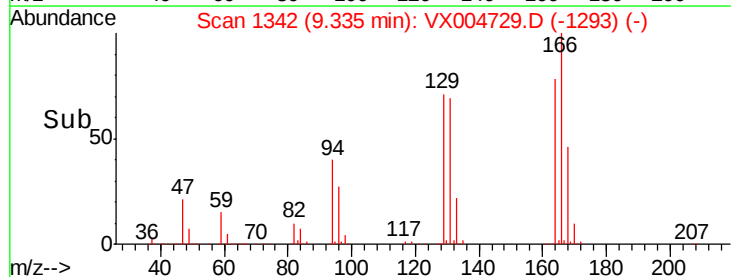
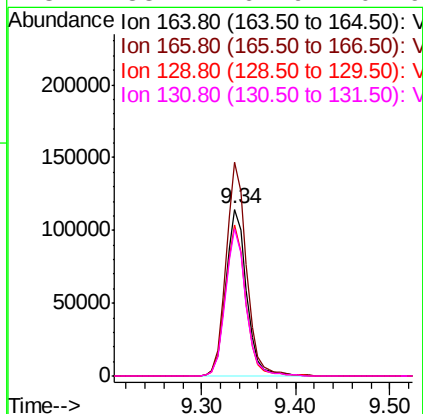
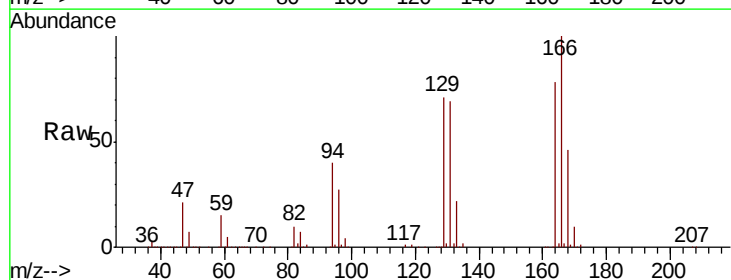
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

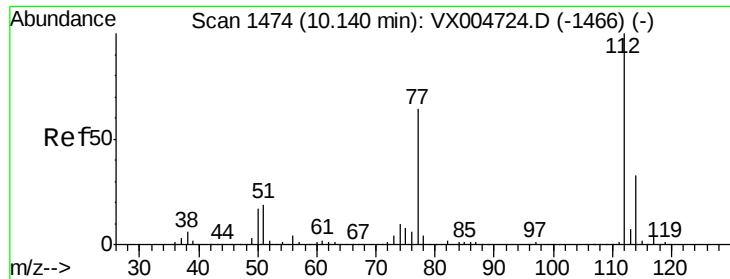
Tot Ion:117 Resp: 366154  
Ion Ratio Lower Upper  
117 100  
82 55.1 47.8 71.6  
119 32.6 29.3 43.9



#64  
Tetrachloroethene  
Concen: 48.347 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion:164 Resp: 174231  
Ion Ratio Lower Upper  
164 100  
166 128.0 102.8 154.2  
129 90.7 69.4 104.0  
131 88.4 67.9 101.9

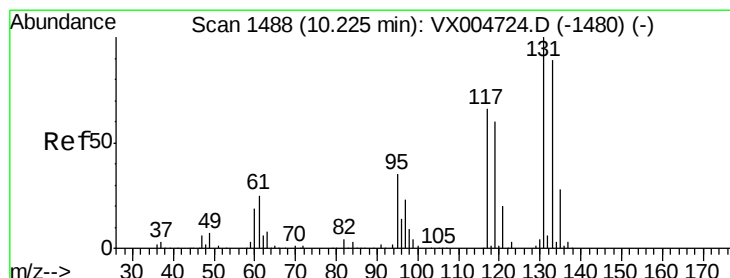
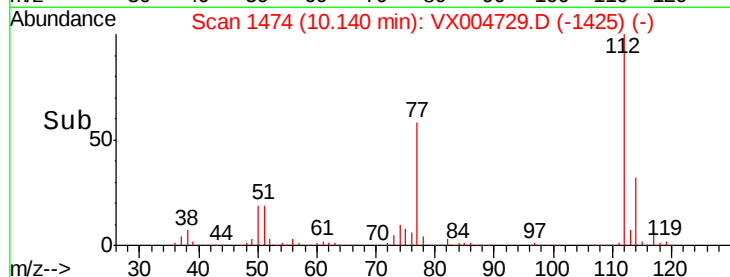
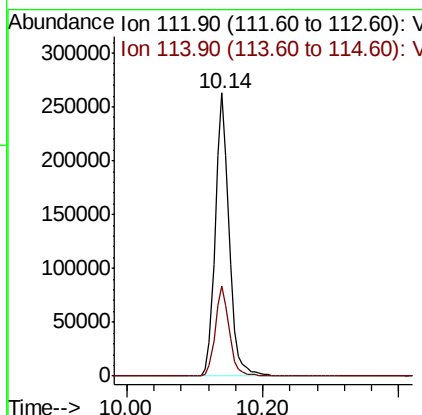
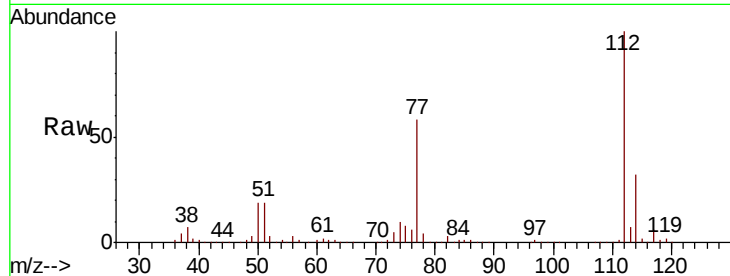




#65  
Chlorobenzene  
Concen: 39.585 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

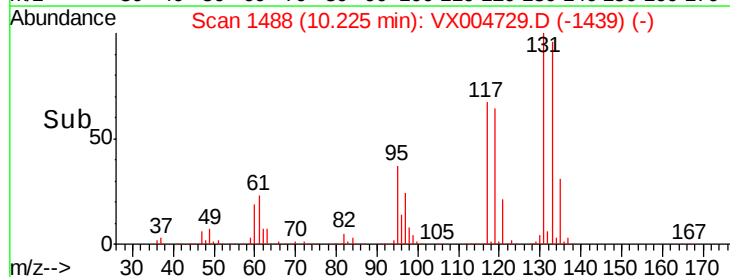
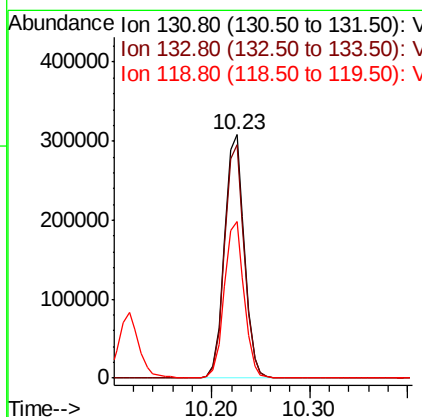
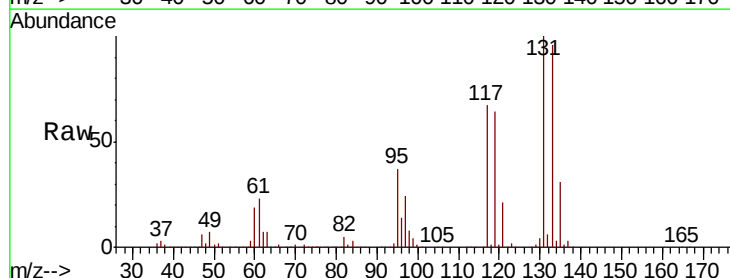
Instrument :  
MSVOA\_X  
ClientSampled :  
PT-VOA-WP

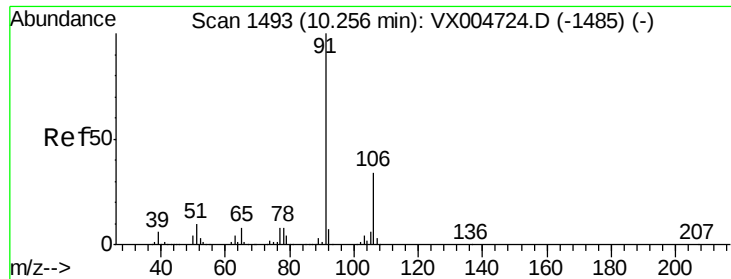
Tot Ion:112 Resp: 371669  
Ion Ratio Lower Upper  
112 100  
114 32.0 27.8 41.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 130.635 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion:131 Resp: 431206  
Ion Ratio Lower Upper  
131 100  
133 95.7 48.1 144.4  
119 64.6 32.9 98.6

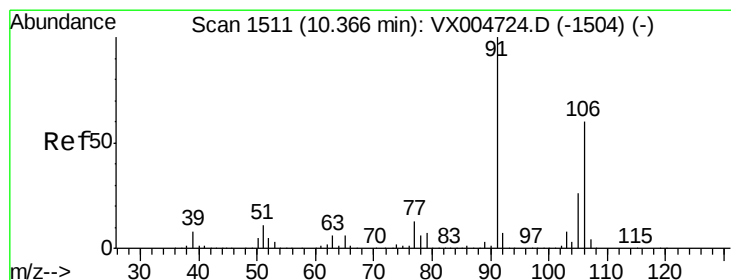
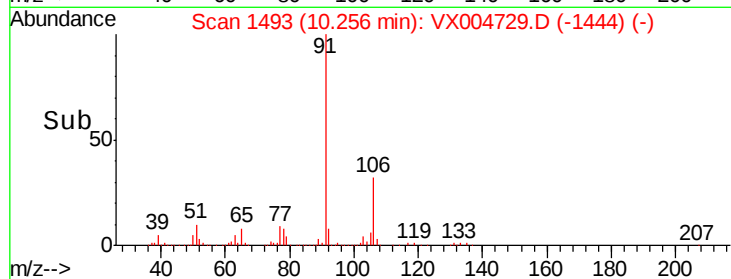
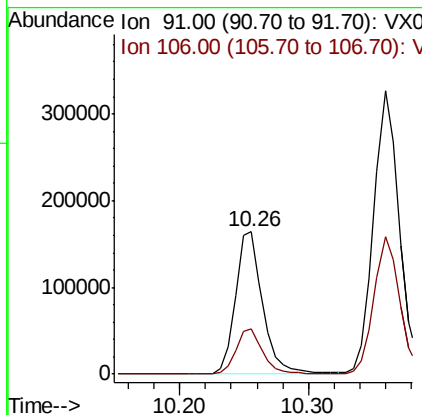
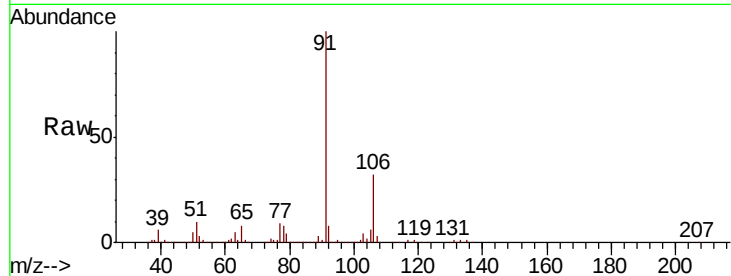




#67  
Ethyl Benzene  
Concen: 16.132 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

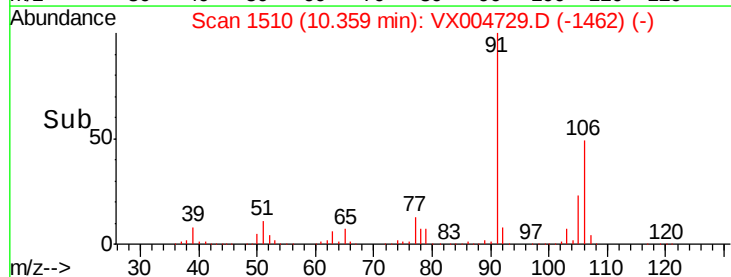
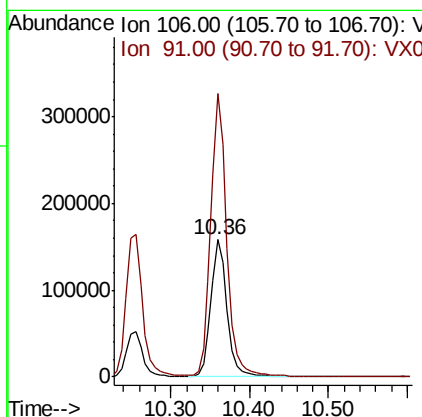
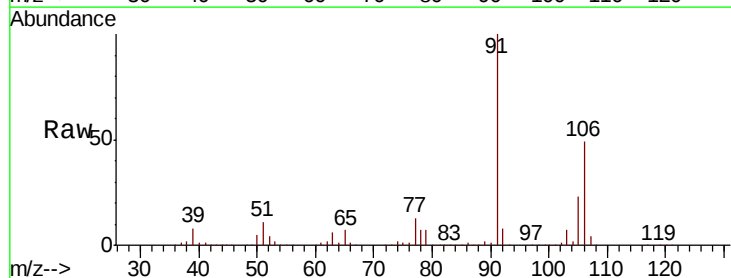
Instrument :  
MSVOA\_X  
ClientSampled :  
PT-VOA-WP

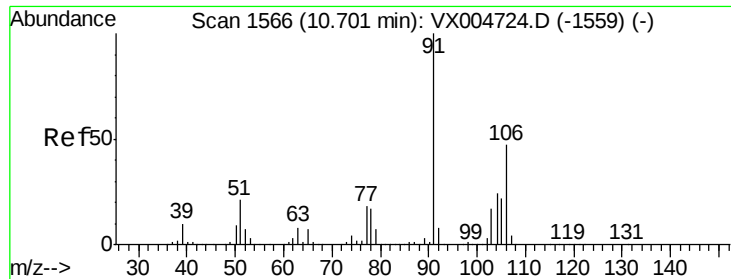
Tot Ion: 91 Resp: 240466  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.9 38.9



#68  
m/p-Xylenes  
Concen: 38.859 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion: 106 Resp: 226354  
Ion Ratio Lower Upper  
106 100  
91 204.7 157.1 235.7

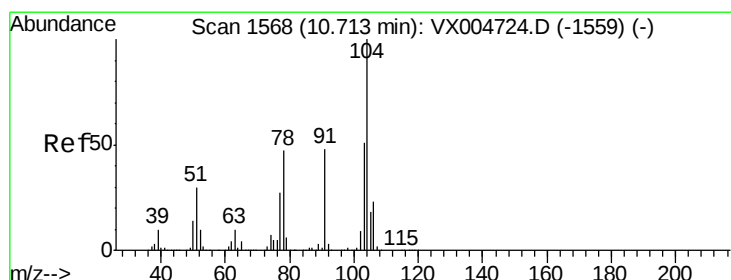
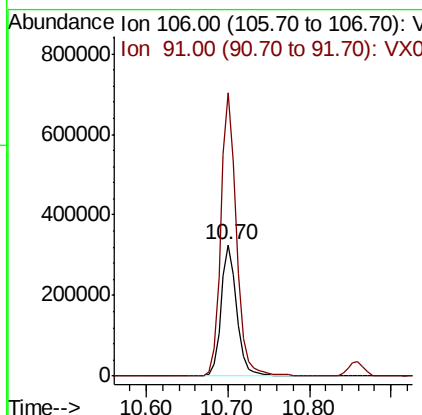
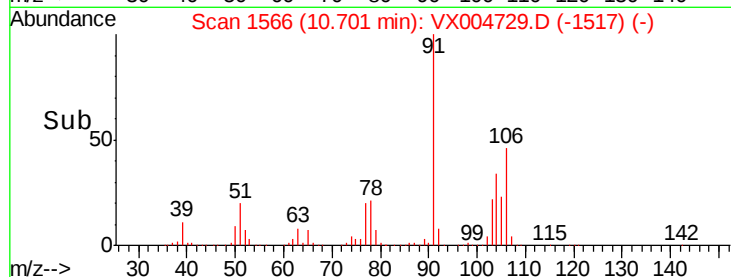
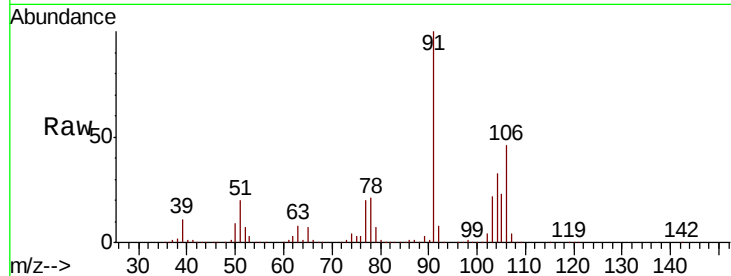




#69  
o-Xylene  
Concen: 81.790 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

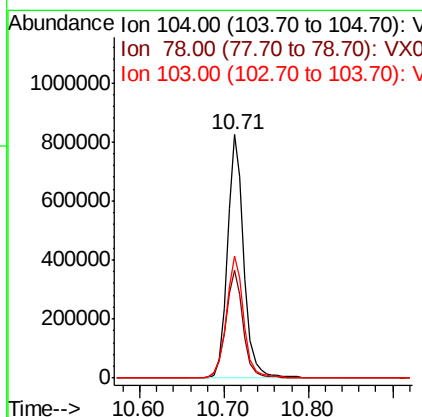
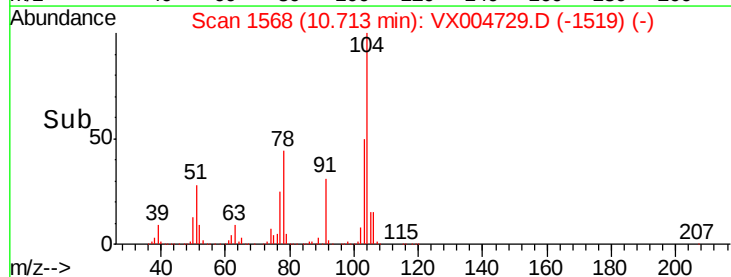
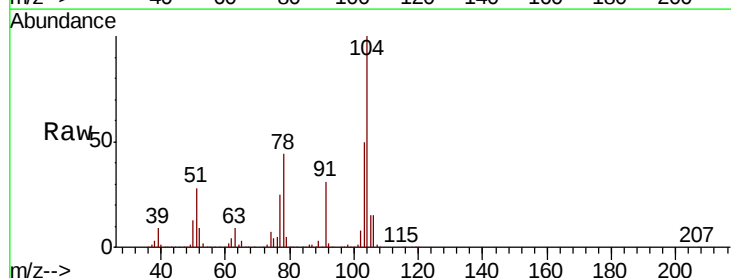
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

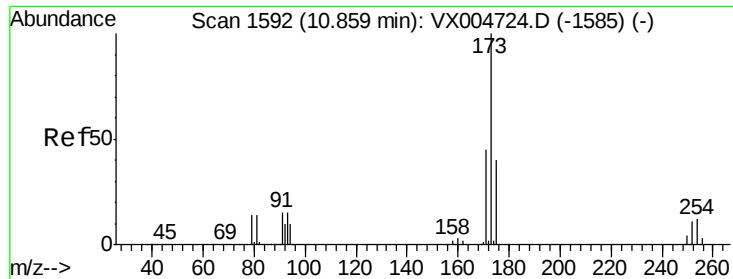
Tot Ion:106 Resp: 437602  
Ion Ratio Lower Upper  
106 100  
91 215.8 105.1 315.1



#70  
Styrene  
Concen: 107.015 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX004729.D  
Acq: 26 Sep 2018 16:32

Tgt Ion:104 Resp: 1096382  
Ion Ratio Lower Upper  
104 100  
78 47.4 37.4 56.0  
103 53.5 43.8 65.6





#71

Bromoform

Concen: 87.623 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

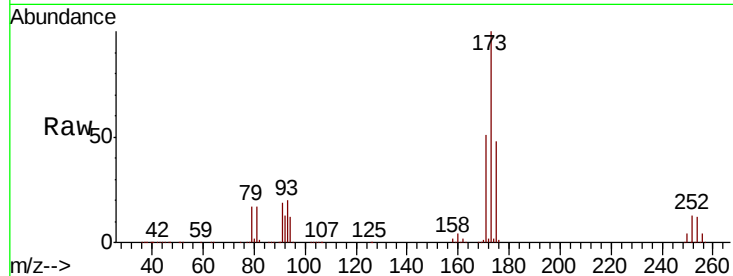
Tot Ion:173 Resp: 247619

Ion Ratio Lower Upper

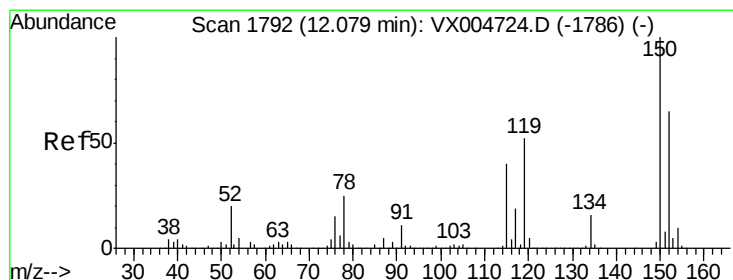
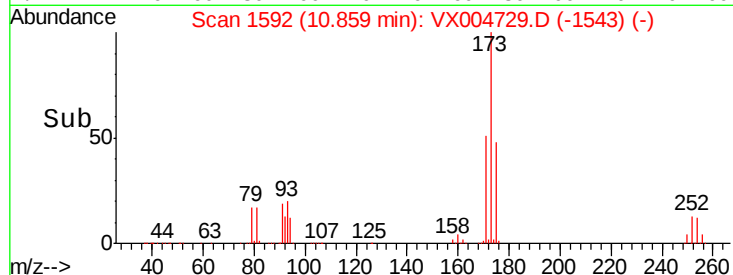
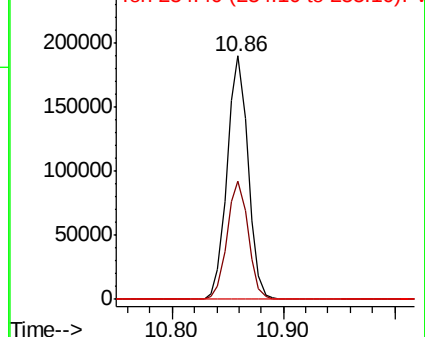
173 100

175 49.0 24.1 72.3

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

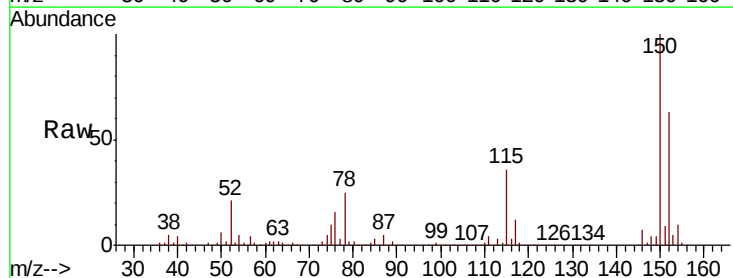
Tgt Ion:152 Resp: 219409

Ion Ratio Lower Upper

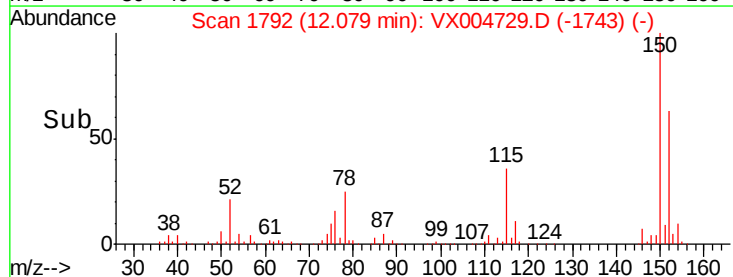
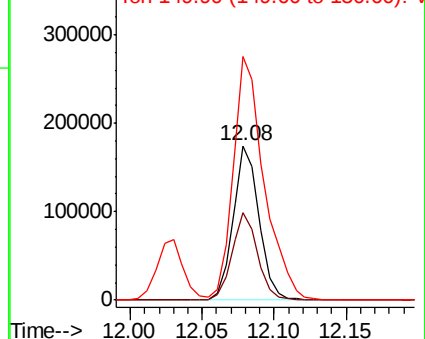
152 100

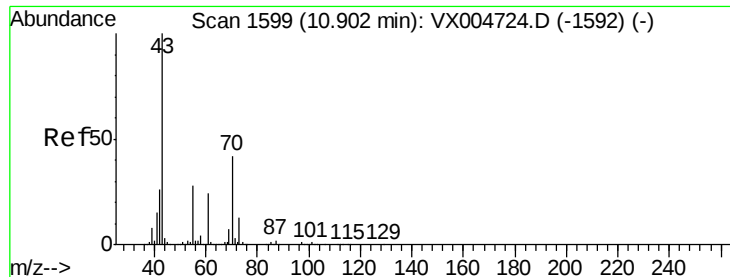
115 56.0 39.0 117.0

150 188.0 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: 1.758 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 43 Resp: 77

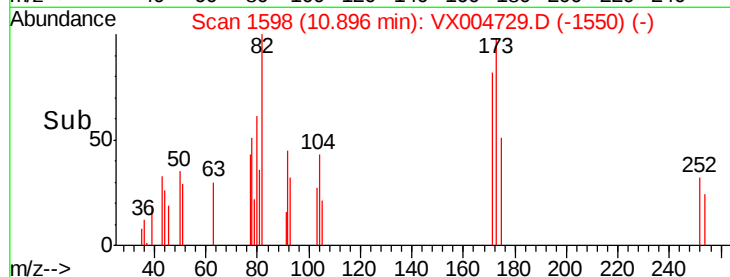
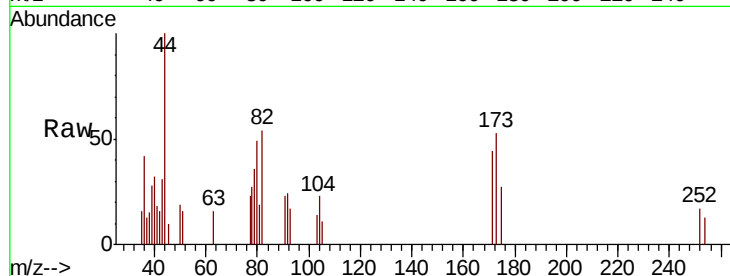
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 114.3 21.8 32.8#

61 0.0 20.6 30.8#

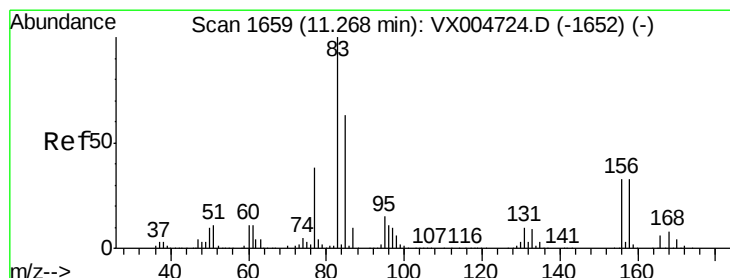
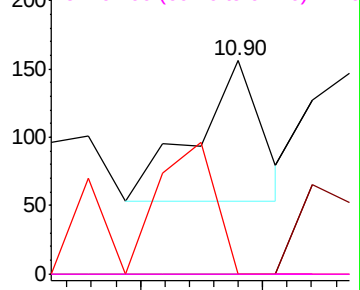


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 126.952 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

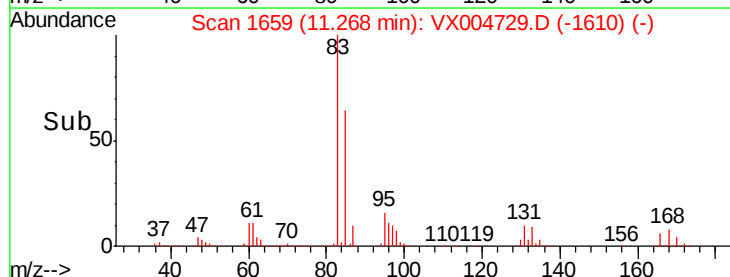
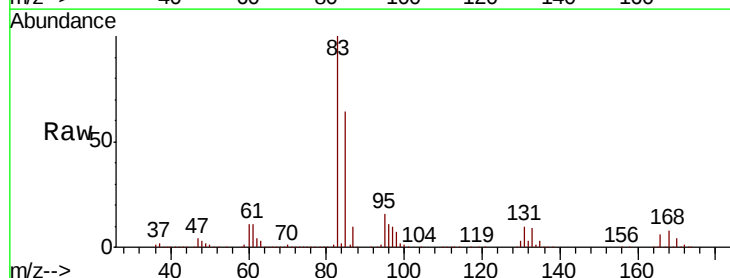
Tgt Ion: 83 Resp: 714691

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

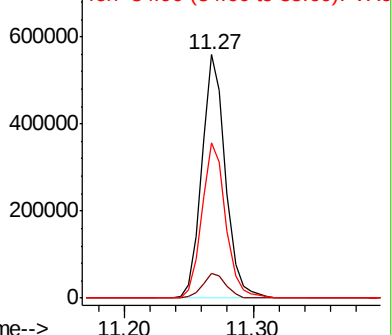
85 64.4 32.3 96.8

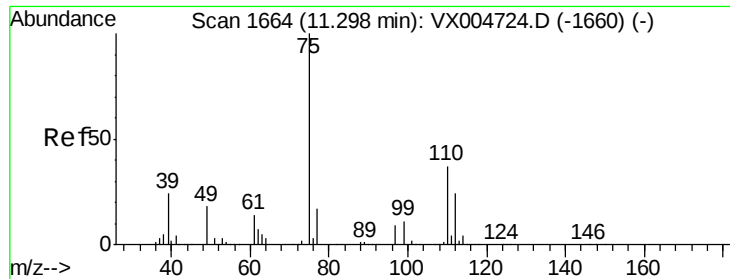


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

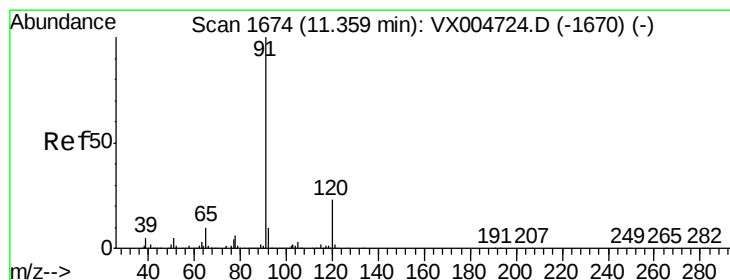
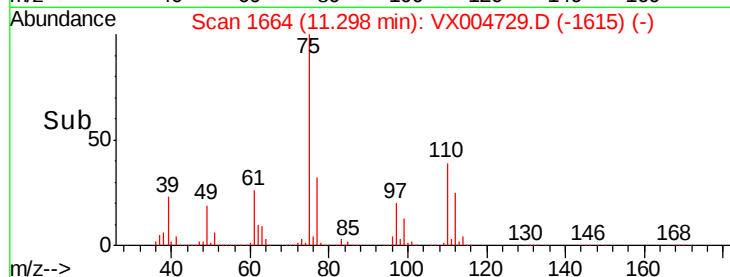
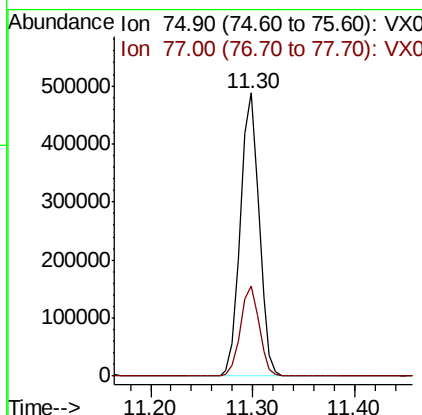
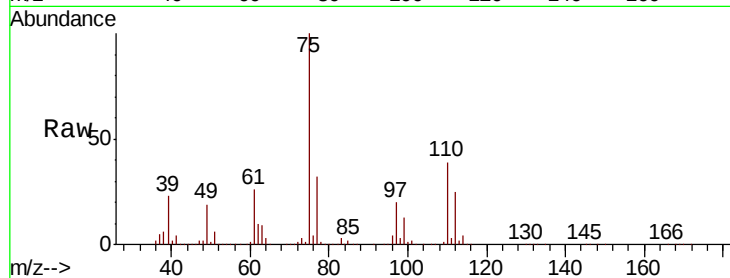




#76  
 1,2,3-Trichloropropane  
 Concen: 124.609 ug/l  
 RT: 11.30 min Scan# 1664  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

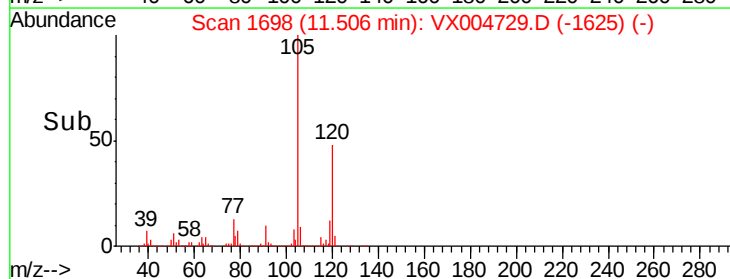
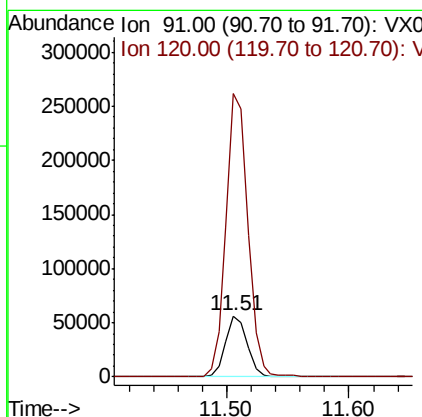
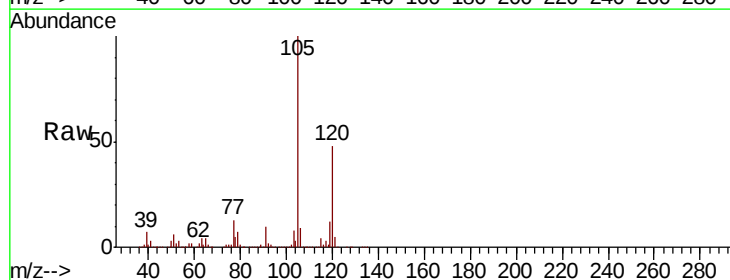
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 PT-VOA-WP

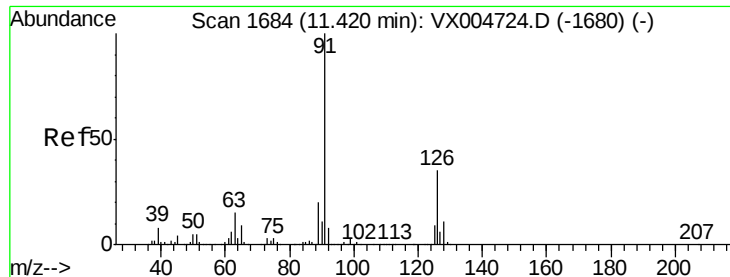
Tot Ion: 75 Resp: 612797  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 20.2 60.6



#78  
 n-propylbenzene  
 Concen: 4.374 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.15 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Tgt Ion: 91 Resp: 69408  
 Ion Ratio Lower Upper  
 91 100  
 120 468.6 11.9 35.9#





#79

2-Chlorotoluene

Concen: 7.017 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.09 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

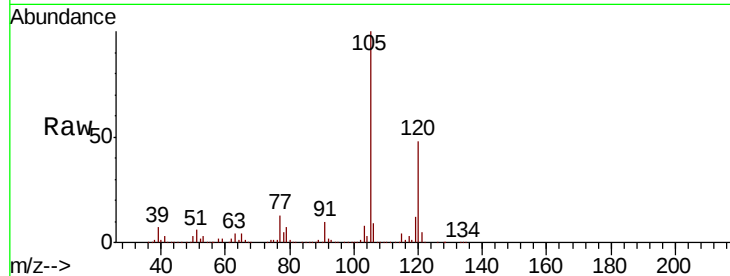
PT-VOA-WP

Tot Ion: 91 Resp: 69408

Ion Ratio Lower Upper

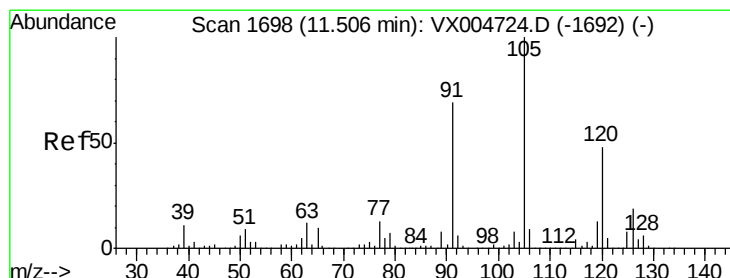
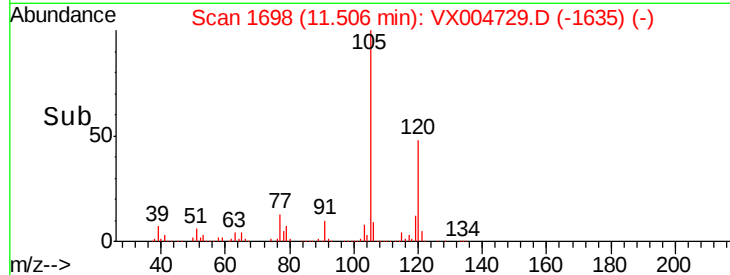
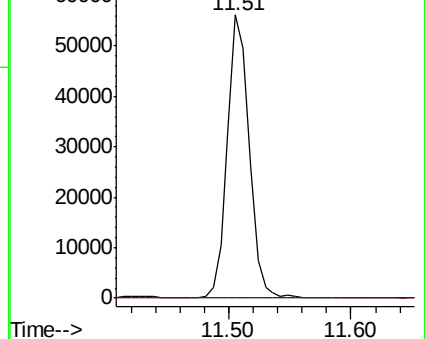
91 100

126 0.2 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.679 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004729.D

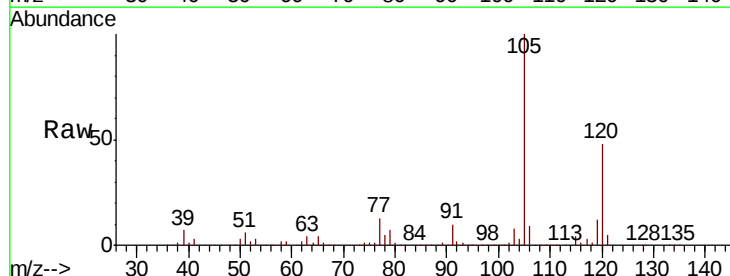
Acq: 26 Sep 2018 16:32

Tgt Ion:105 Resp: 667593

Ion Ratio Lower Upper

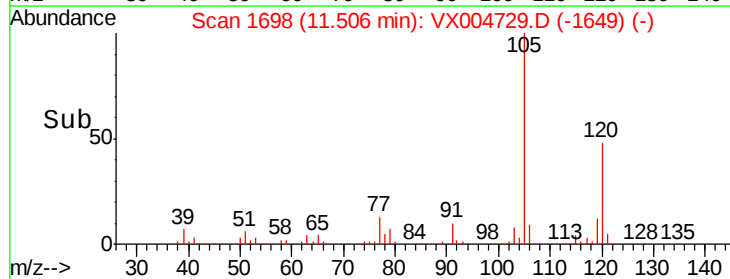
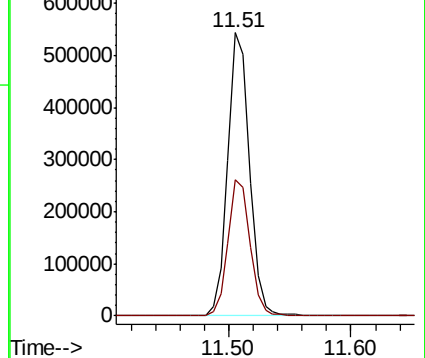
105 100

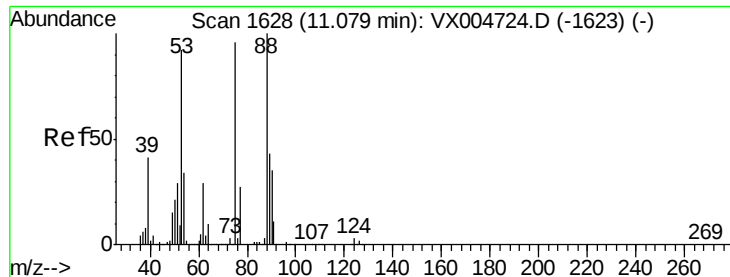
120 48.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.064 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

PT-VOA-WP

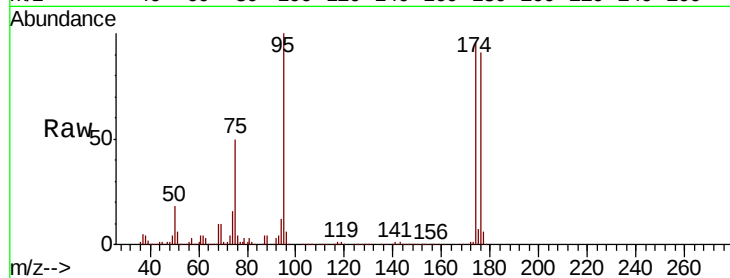
Tot Ion: 75 Resp: 103419

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

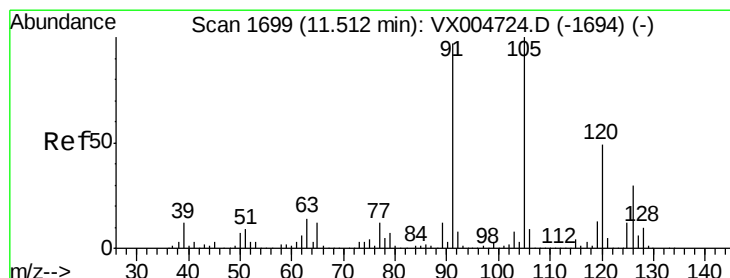
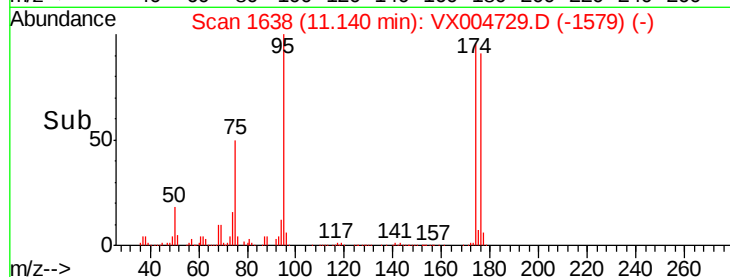
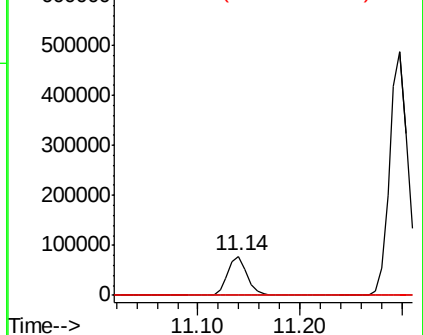
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 5.962 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004729.D

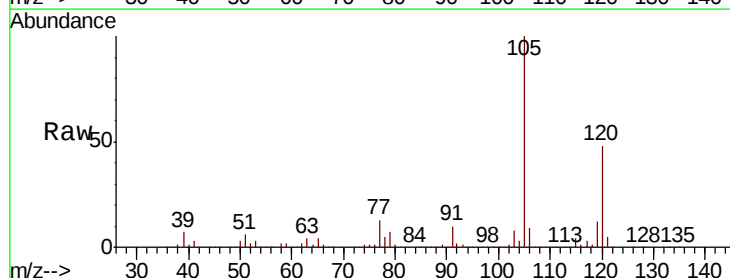
Acq: 26 Sep 2018 16:32

Tgt Ion: 91 Resp: 69408

Ion Ratio Lower Upper

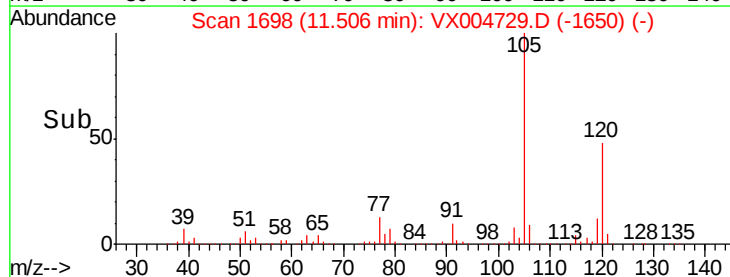
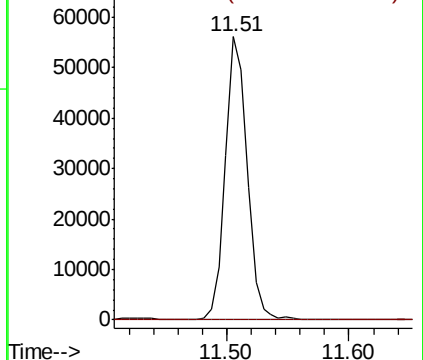
91 100

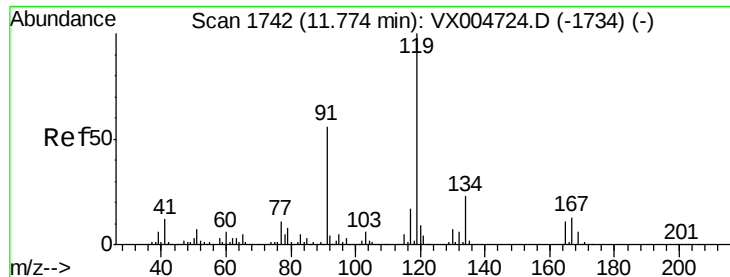
126 0.2 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

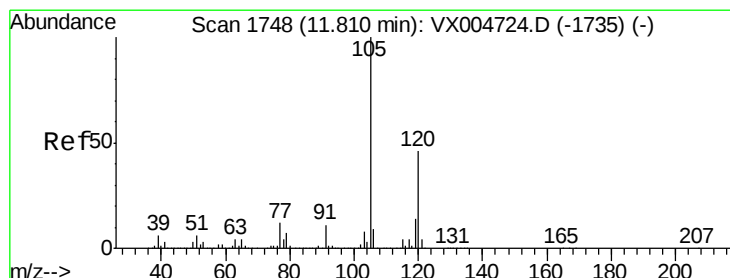
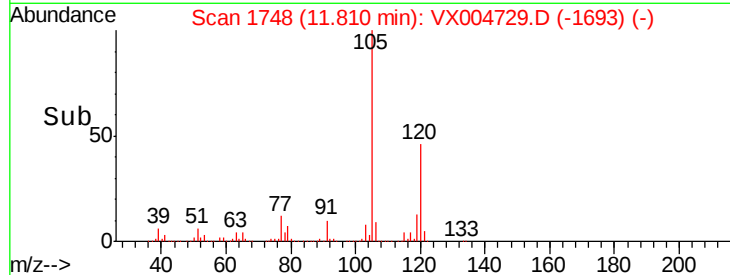
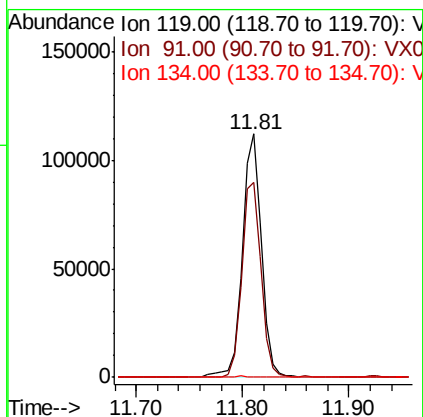
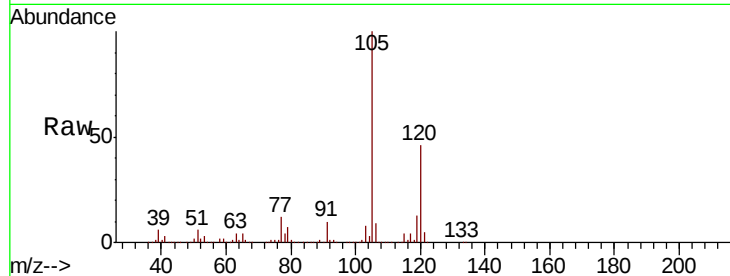




#83  
 tert-Butylbenzene  
 Concen: 12.310 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.04 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

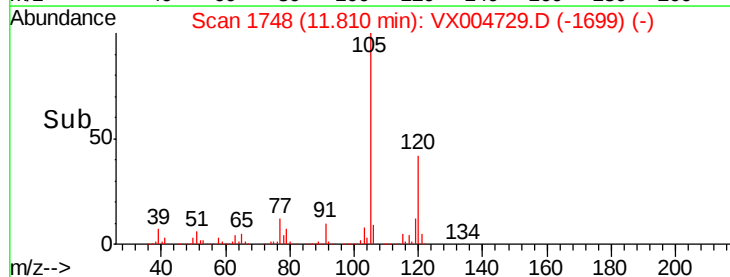
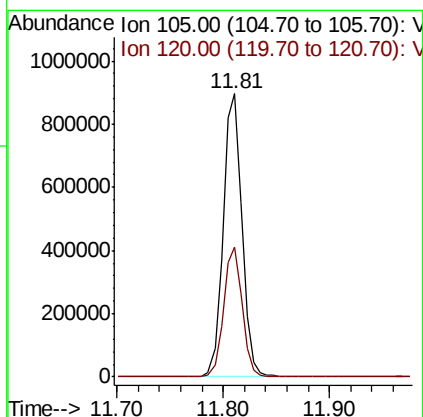
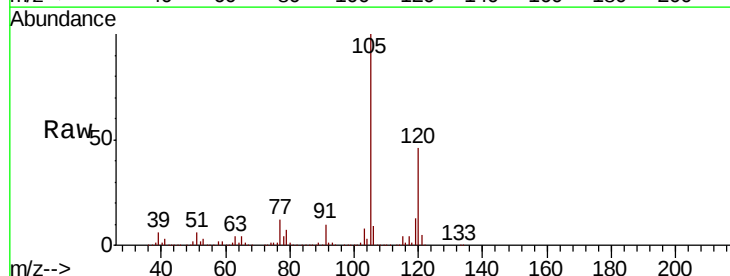
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 PT-VOA-WP

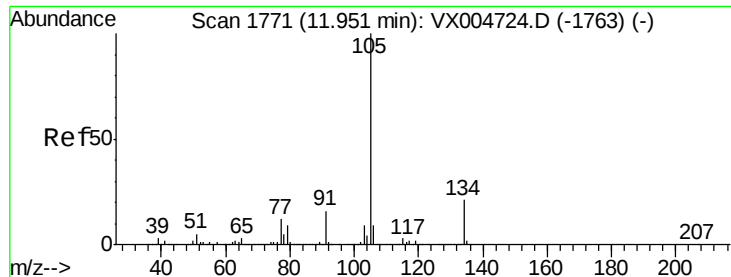
Tot Ion:119 Resp: 140165  
 Ion Ratio Lower Upper  
 119 100  
 91 81.0 27.0 81.0#  
 134 0.6 11.7 35.1#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 84.326 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Tgt Ion:105 Resp: 1100512  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 23.2 69.6

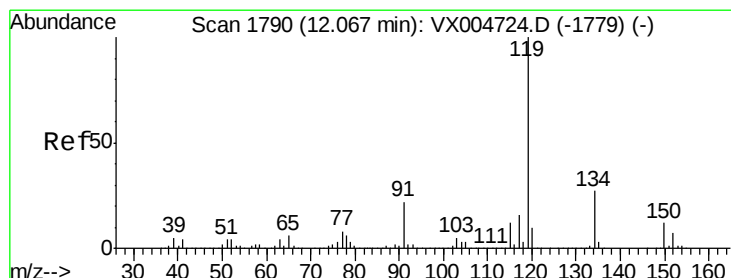
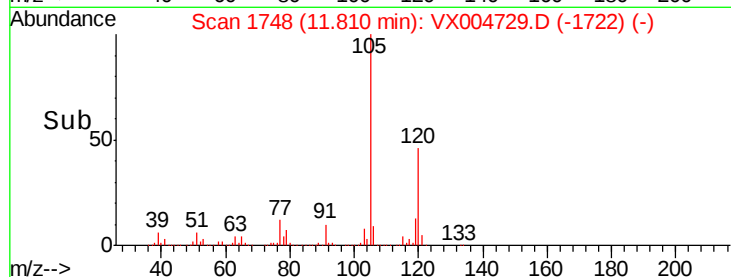
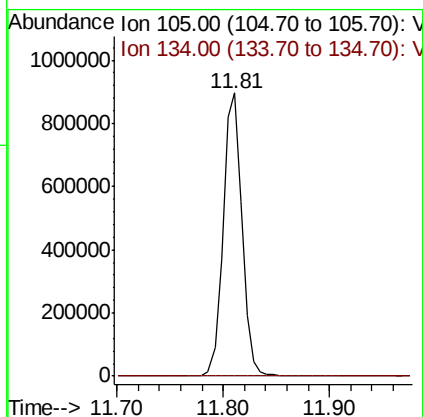
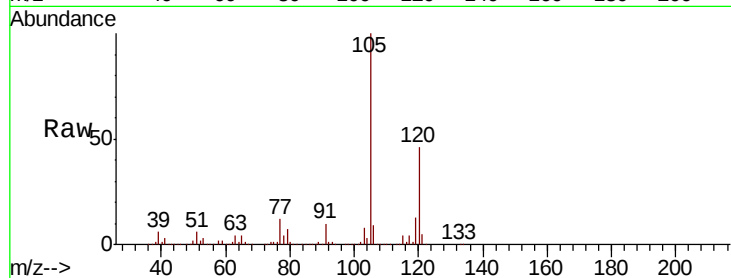




#85  
 sec-Butylbenzene  
 Concen: 79.350 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.14 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

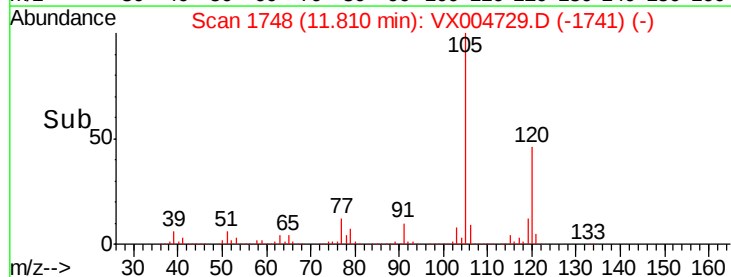
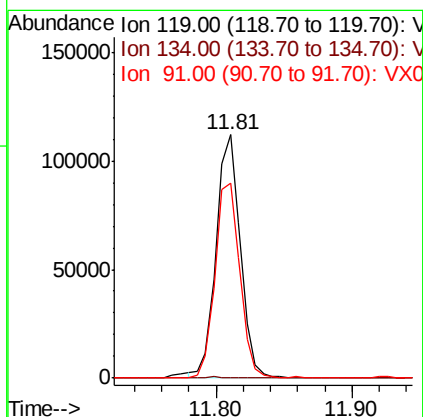
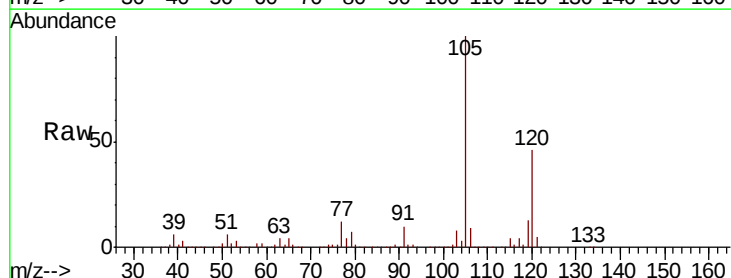
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 PT-VOA-WP

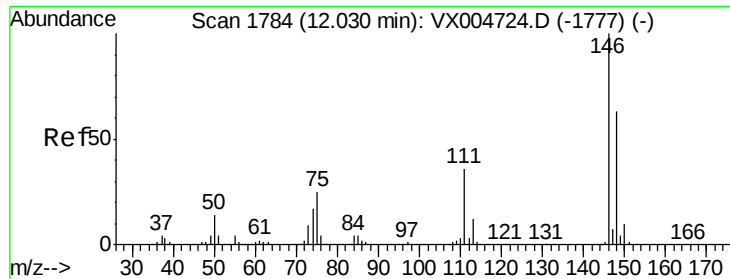
Tot Ion:105 Resp: 1100512  
 Ion Ratio Lower Upper  
 105 100  
 134 0.1 10.5 31.5#



#86  
 p-Isopropyltoluene  
 Concen: 10.978 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.26 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Tgt Ion:119 Resp: 137946  
 Ion Ratio Lower Upper  
 119 100  
 134 0.6 13.4 40.2#  
 91 82.2 10.9 32.7#





#87

1,3-Dichlorobenzene

Concen: 113.553 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

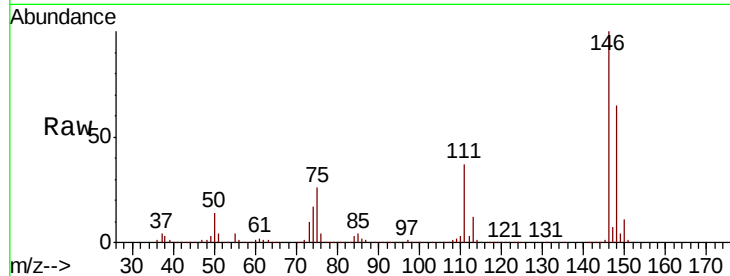
Tot Ion:146 Resp: 851731

Ion Ratio Lower Upper

146 100

111 38.1 18.7 56.1

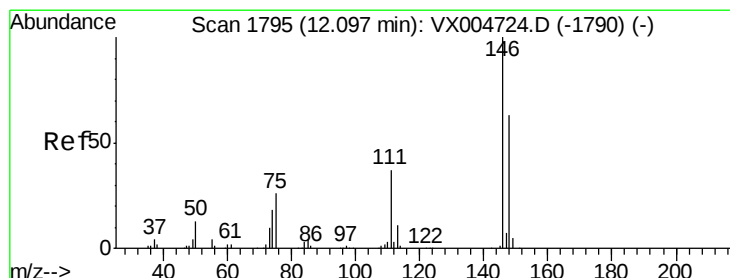
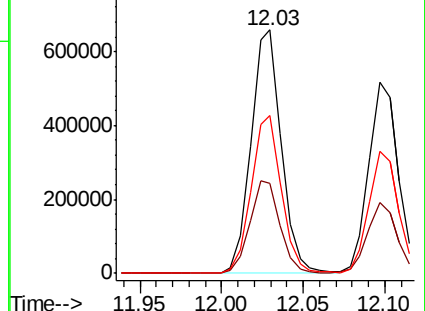
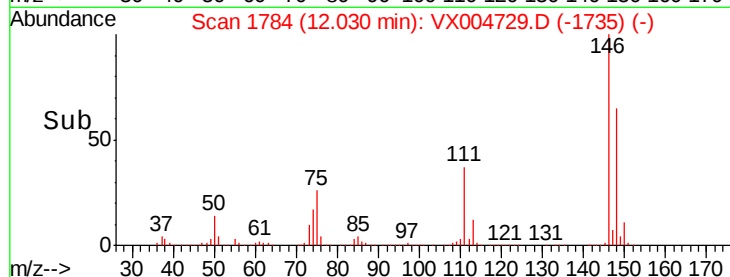
148 64.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 84.700 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

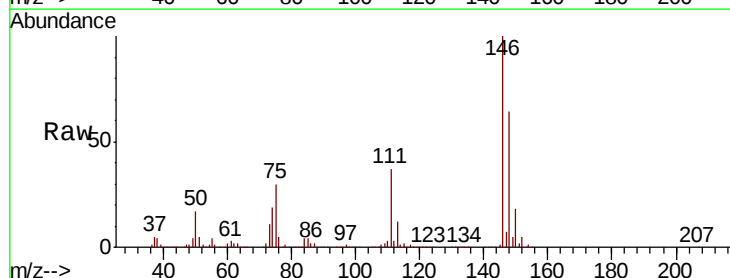
Tgt Ion:146 Resp: 655828

Ion Ratio Lower Upper

146 100

111 36.8 18.1 54.1

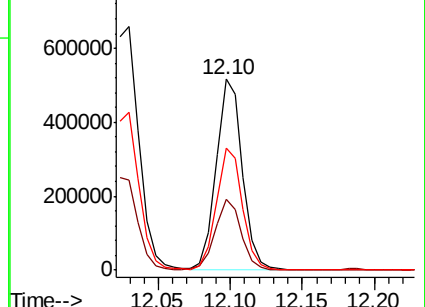
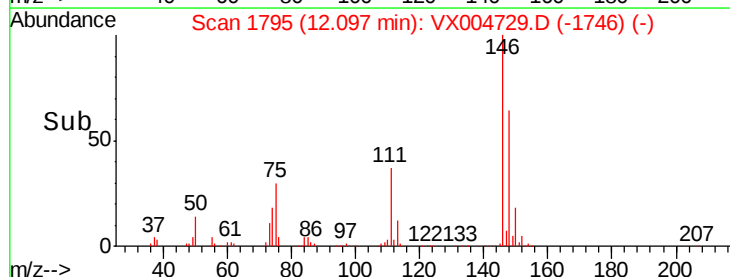
148 64.0 32.0 96.0

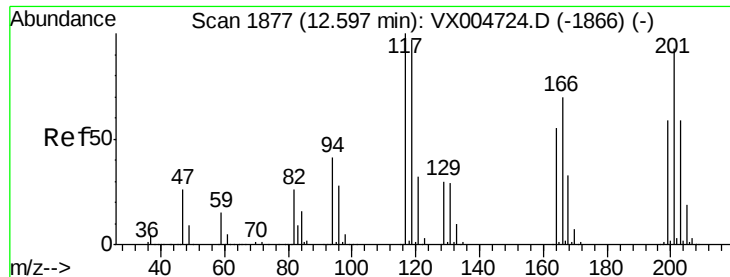


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 1.462 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampled :

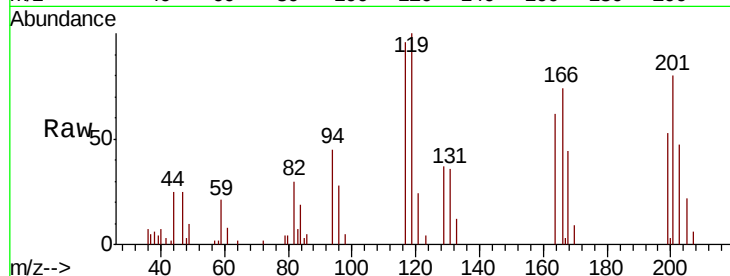
PT-VOA-WP

Tot Ion:117 Resp: 3058

Ion Ratio Lower Upper

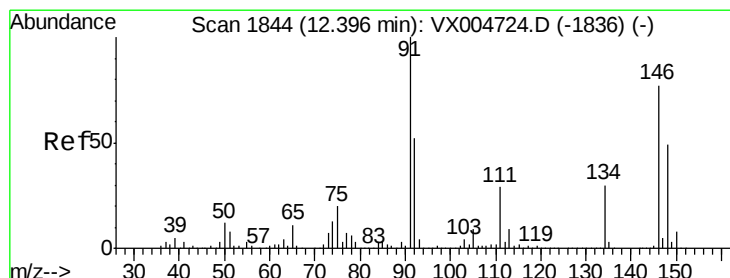
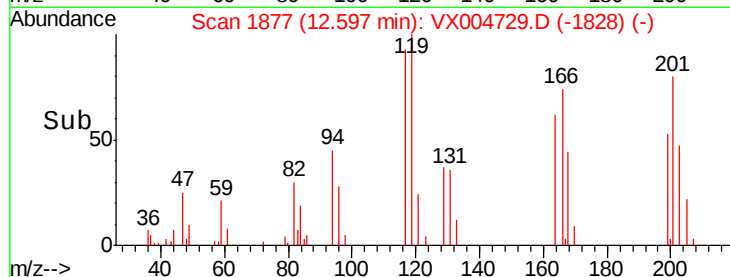
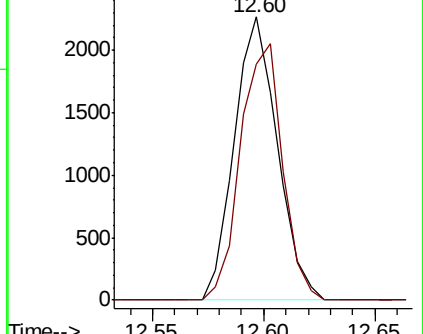
117 100

201 88.4 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 54.438 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

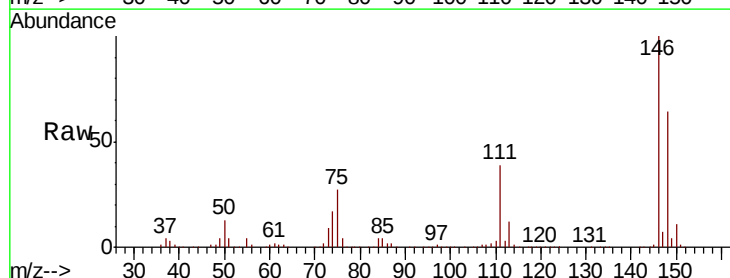
Tgt Ion:146 Resp: 426719

Ion Ratio Lower Upper

146 100

111 39.5 19.4 58.1

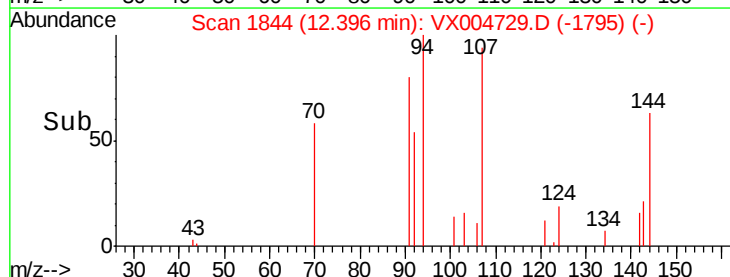
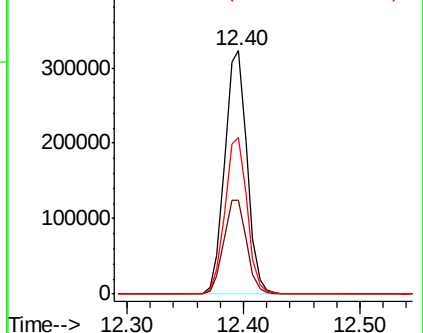
148 64.3 32.8 98.3

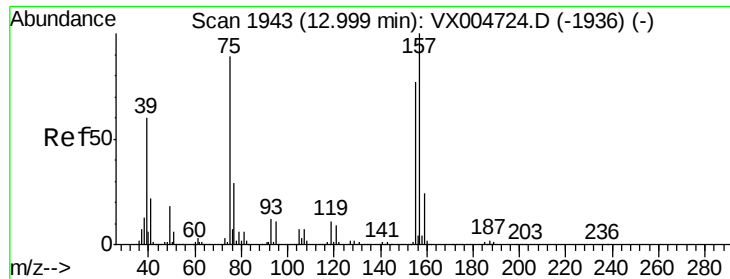


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 75.858 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

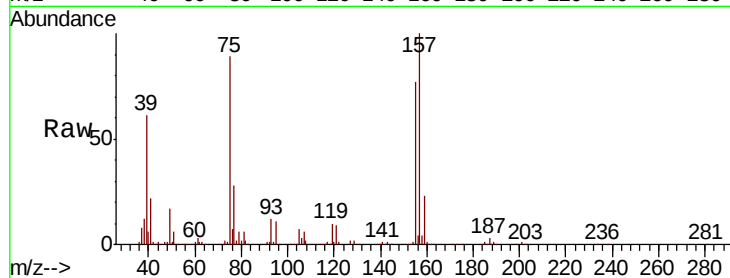
Tot Ion: 75 Resp: 93767

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 93.1  | 48.0  | 144.2 |
| 157 | 119.0 | 61.4  | 184.1 |

75 100

155 93.1 48.0 144.2

157 119.0 61.4 184.1

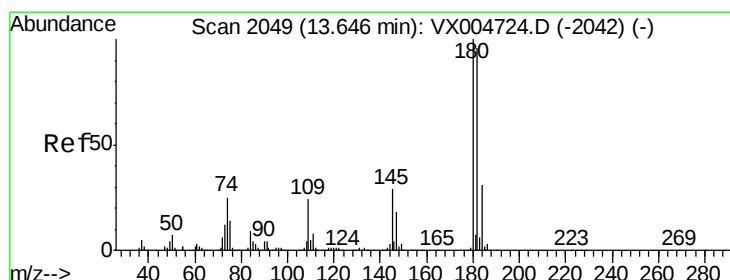
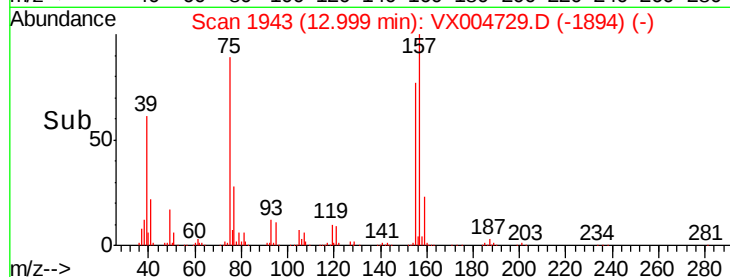
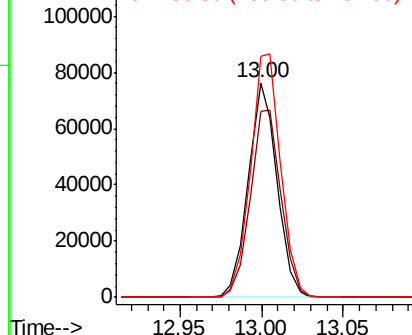


Abundance

Ion 74.90 (74.60 to 75.60): VX004729.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX004729.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX004729.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 129.484 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

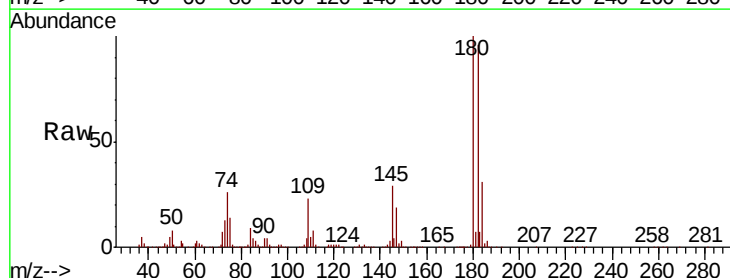
Tgt Ion: 180 Resp: 711988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 48.4  | 145.0 |
| 145 | 28.3  | 14.3  | 42.9  |

180 100

182 95.9 48.4 145.0

145 28.3 14.3 42.9

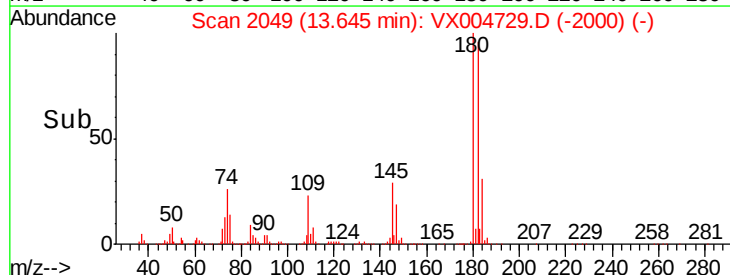
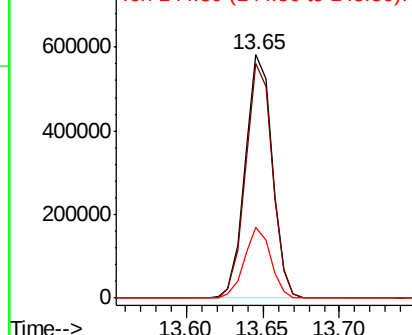


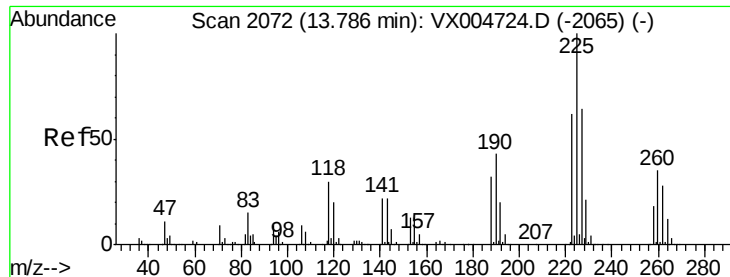
Abundance

Ion 179.80 (179.50 to 180.50): VX004729.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX004729.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX004729.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 188.105 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

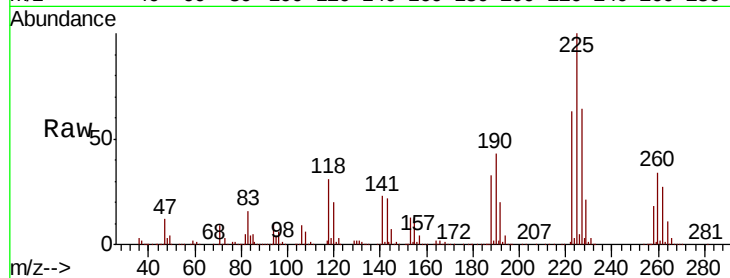
Tot Ion:225 Resp: 536354

Ion Ratio Lower Upper

225 100

223 62.9 30.1 90.5

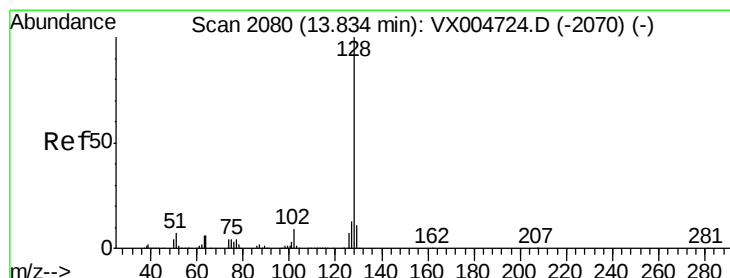
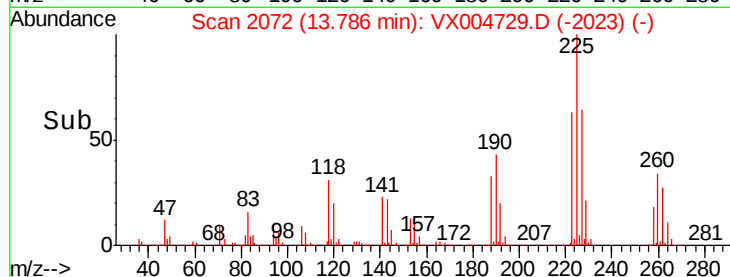
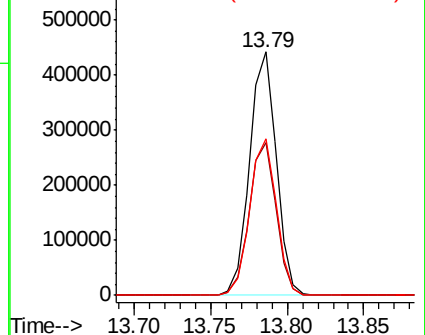
227 64.4 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 136.153 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004729.D

Acq: 26 Sep 2018 16:32

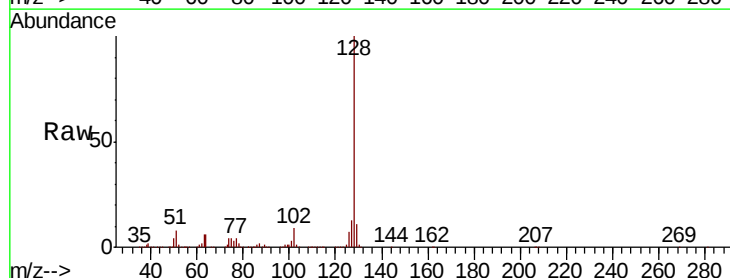
Tgt Ion:128 Resp: 2507814

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

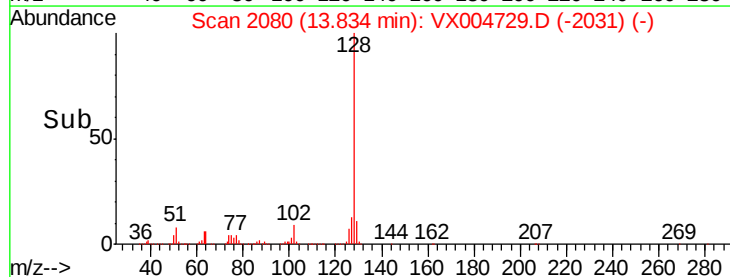
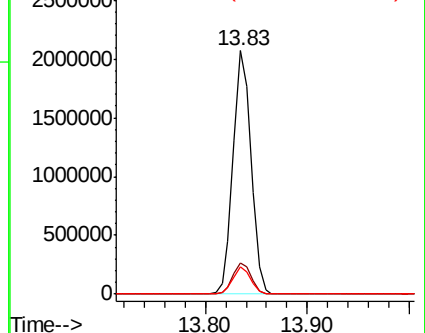
129 11.0 8.6 12.8

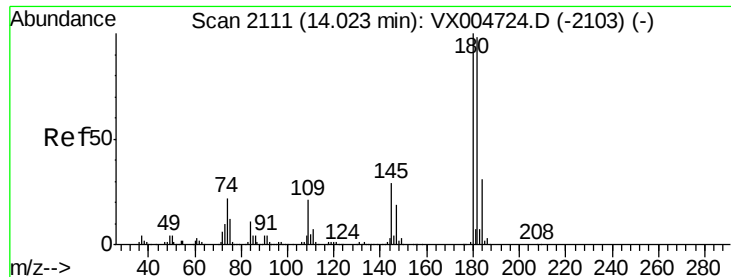


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

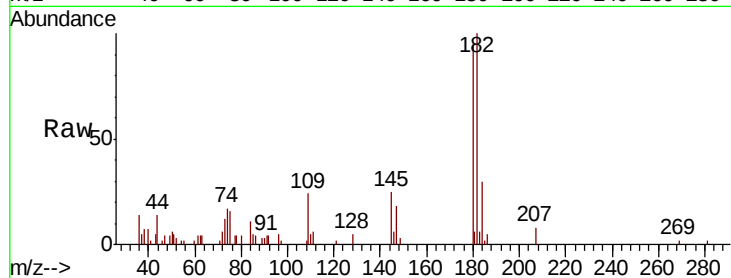




#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.536 ug/l  
 RT: 14.02 min Scan# 2111  
 Delta R.T. -0.00 min  
 Lab File: VX004729.D  
 Acq: 26 Sep 2018 16:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.3  | 48.5  | 145.6 |
| 145     | 0.0   | 14.9  | 44.9# |



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

