

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\  
 Data File : VX005189.D  
 Acq On : 10 Oct 2018 05:39  
 Operator : JC/MD  
 Sample : J5303-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-3034

Quant Time: Oct 10 06:02:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 179226   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 286480   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 287939   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 164877   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 142716   | 55.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.48% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 119588   | 49.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.50%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 419646   | 51.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.98% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 154209   | 53.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.06% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 638      | 0.215     | ug/l # | 84     |
| 5) Bromomethane                | 1.65  | 94   | 646      | 0.392     | ug/l   | 86     |
| 6) Chloroethane                | 1.73  | 64   | 394      | Below Cal | #      | 74     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 3887     | 5.430     | ug/l # | 77     |
| 12) 1,1-Dichloroethene         | 2.37  | 96   | 512      | 0.264     | ug/l # | 81     |
| 13) Acrolein                   | 2.29  | 56   | 146      | 0.287     | ug/l # | 10     |
| 14) Allyl chloride             | 2.62  | 41   | 3201     | 0.755     | ug/l # | 46     |
| 16) Acetone                    | 2.45  | 43   | 3100     | 2.074     | ug/l # | 89     |
| 17) Carbon Disulfide           | 2.57  | 76   | 1624     | 0.278     | ug/l # | 90     |
| 20) Methylene Chloride         | 2.85  | 84   | 66       | Below Cal | #      | 50     |
| 24) 1,1-Dichloroethane         | 3.70  | 63   | 6452     | 1.516     | ug/l   | 96     |
| 25) 2-Butanone                 | 4.70  | 43   | 975      | 0.443     | ug/l # | 49     |
| 31) Cyclohexane                | 5.65  | 56   | 3659     | 1.123     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 12799    | 3.864     | ug/l # | 46     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 16479    | 4.732     | ug/l # | 18     |
| 40) Benzene                    | 6.14  | 78   | 2623     | 0.253     | ug/l # | 87     |
| 44) Trichloroethene            | 7.21  | 130  | 1068     | 0.419     | ug/l   | 84     |
| 51) 4-Methyl-2-Pentanone       | 8.71  | 43   | 2315     | 0.579     | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane      | 9.04  | 97   | 2833     | 1.135     | ug/l # | 25     |
| 56) Ethyl methacrylate         | 9.04  | 69   | 1064     | 3.110     | ug/l # | 14     |
| 58) 2-Chloroethyl Vinyl ether  | 8.17  | 63   | 29       | 14.255    | ug/l # | 49     |
| 60) Dibromochloromethane       | 9.34  | 129  | 2123     | 0.850     | ug/l # | 10     |
| 64) Tetrachloroethene          | 9.34  | 164  | 2277     | 0.803     | ug/l   | 95     |
| 70) Styrene                    | 10.72 | 104  | 100      | 2.153     | ug/l # | 52     |
| 74) N-ethyl acetate            | 10.93 | 43   | 436      | 1.822     | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 76462    | 20.691    | ug/l # | 35     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 234      | Below Cal |        | 64     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 76462    | 56.176    | ug/l # | 10     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 2364     | 0.276     | ug/l   | 81     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 509      | Below Cal |        | 83     |
| 85) sec-Butylbenzene           | 11.94 | 105  | 10927    | 1.048     | ug/l   | 86     |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 1744     | 0.296     | ug/l   | 93     |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 932      | 0.226     | ug/l # | 59     |
| 95) Naphthalene                | 13.84 | 128  | 1107     | 0.799     | ug/l # | 62     |

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MSVOA\_X  
ClientSampleId :  
SA-TW513-3034

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Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

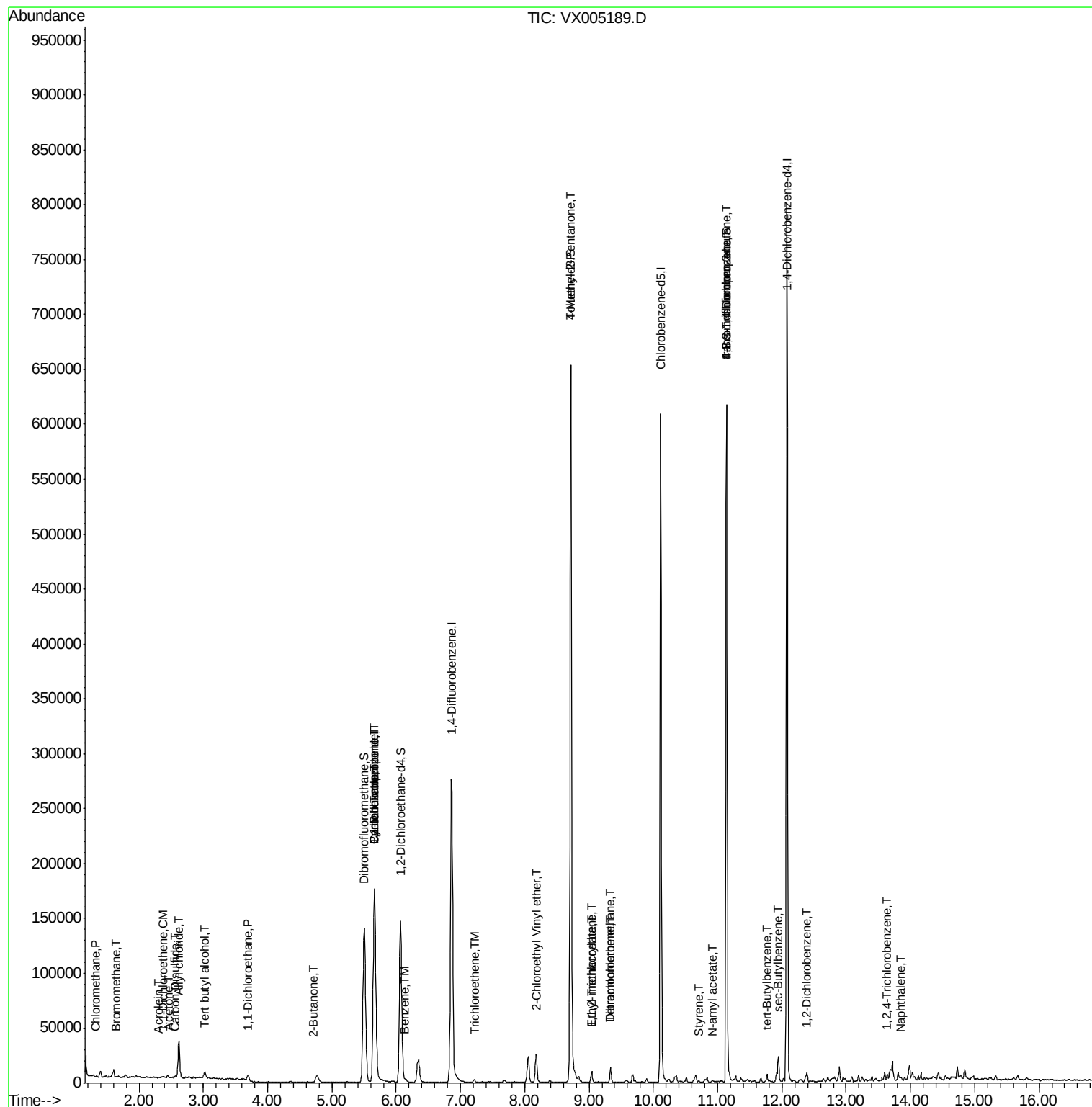
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

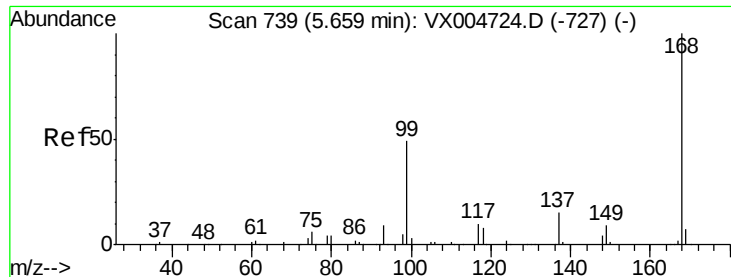
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

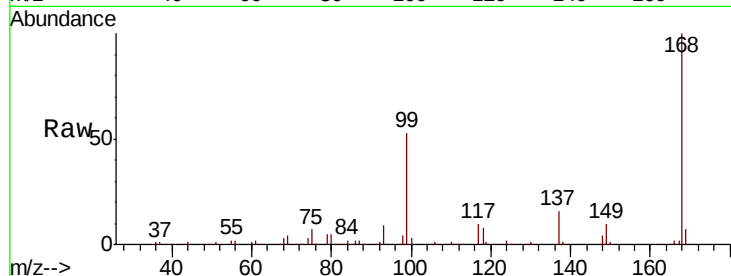
SA-TW513-3034

Tot Ion:168 Resp: 179226

Ion Ratio Lower Upper

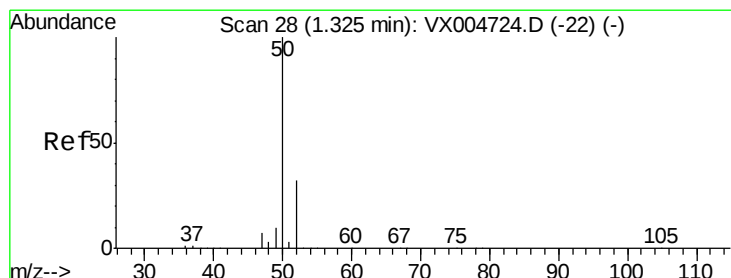
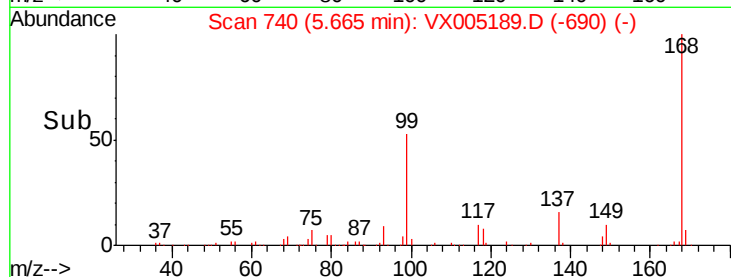
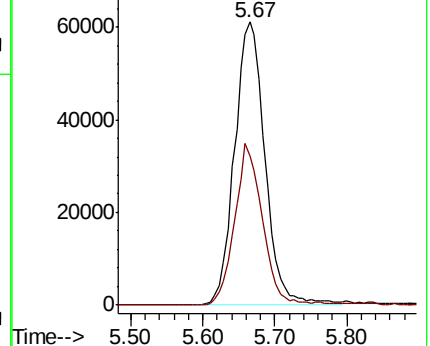
168 100

99 52.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005189.D

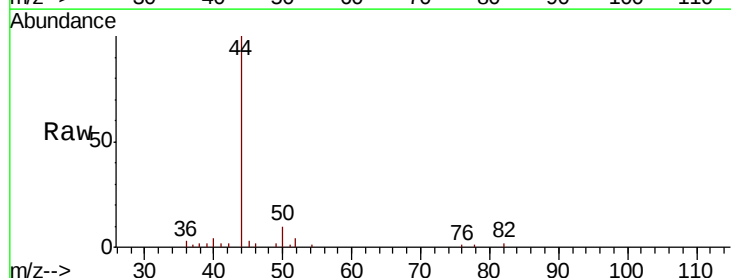
Acq: 10 Oct 2018 05:39

Tgt Ion: 50 Resp: 638

Ion Ratio Lower Upper

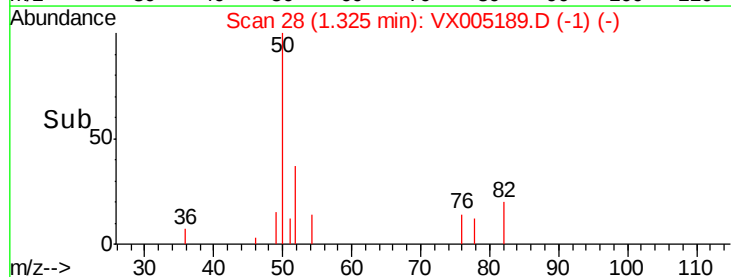
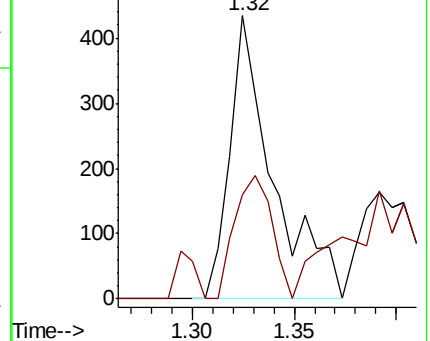
50 100

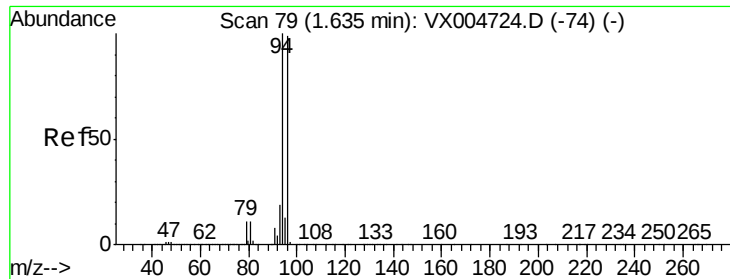
52 23.3 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.392 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

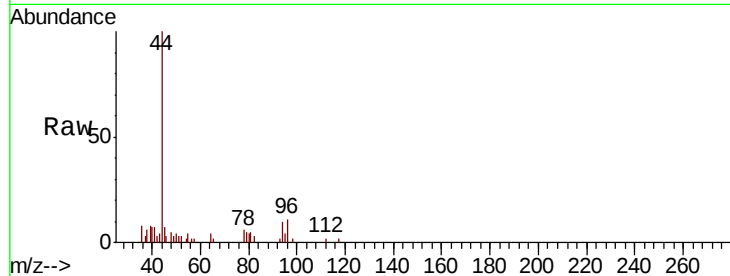
SA-TW513-3034

Tot Ion: 94 Resp: 646

Ion Ratio Lower Upper

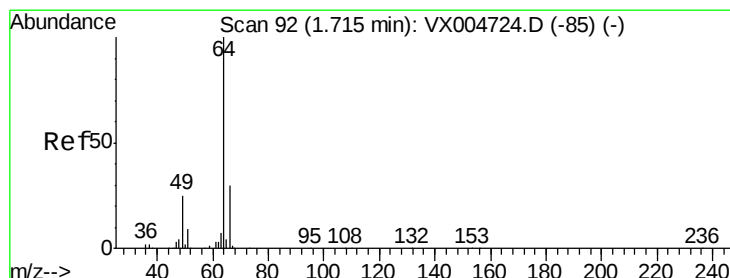
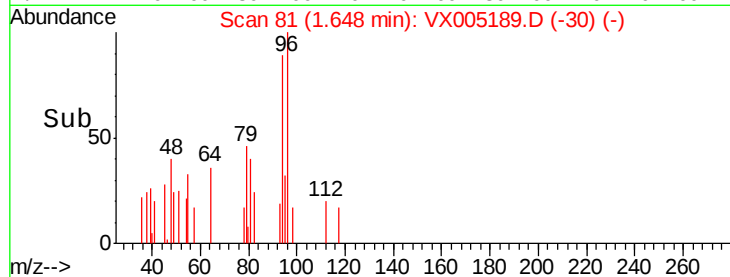
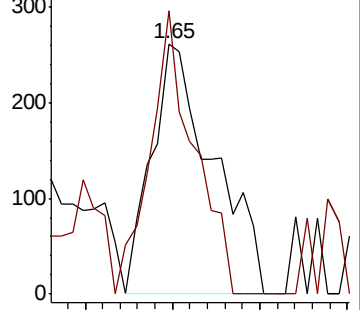
94 100

96 113.0 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005189.D

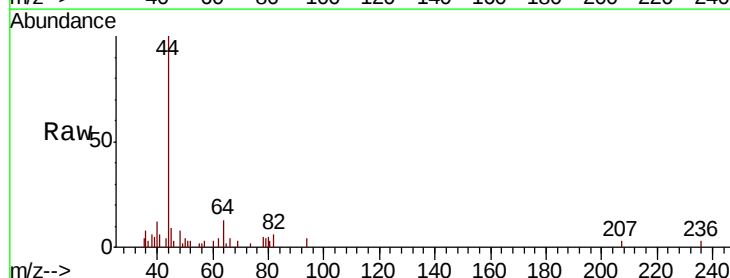
Acq: 10 Oct 2018 05:39

Tgt Ion: 64 Resp: 394

Ion Ratio Lower Upper

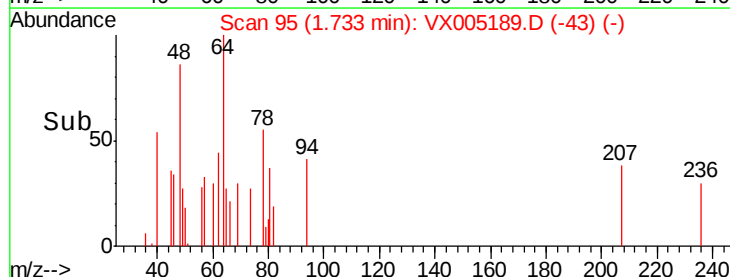
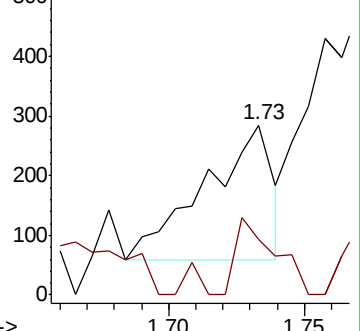
64 100

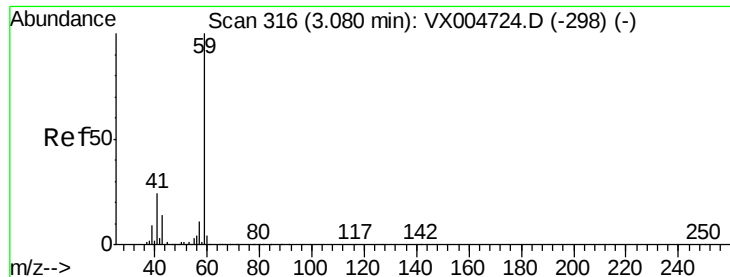
66 15.5 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

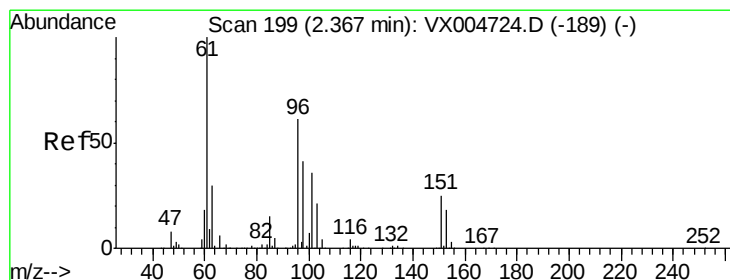
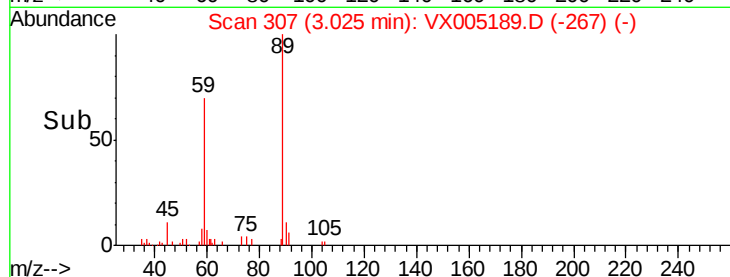
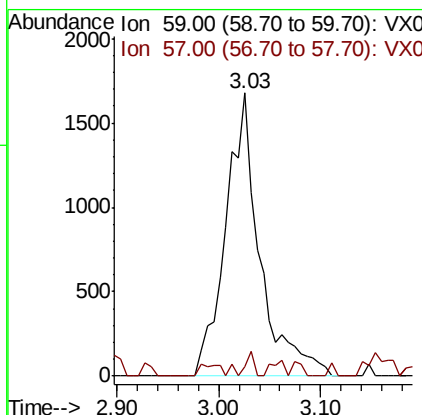
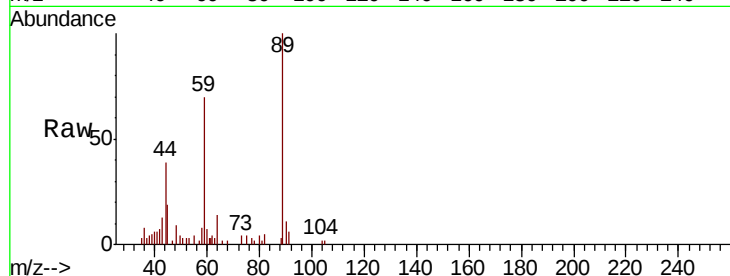




#11  
Tert butyl alcohol  
Concen: 5.430 ug/l  
RT: 3.03 min Scan# 307  
Delta R.T. -0.05 min  
Lab File: VX005189.D  
Acq: 10 Oct 2018 05:39

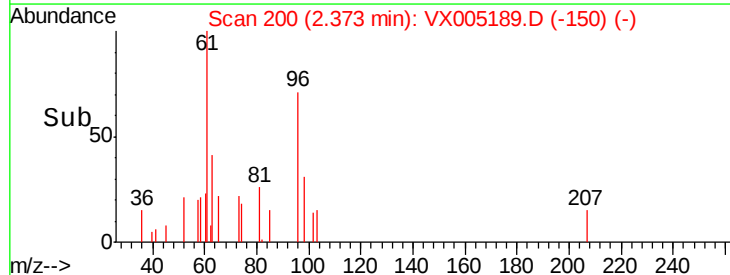
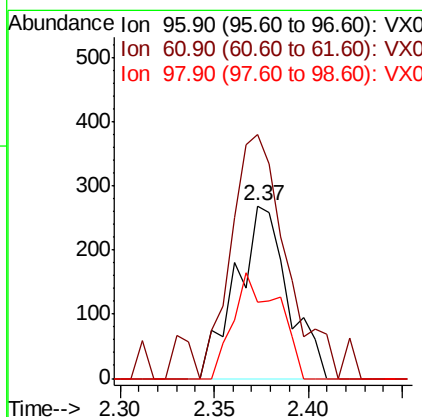
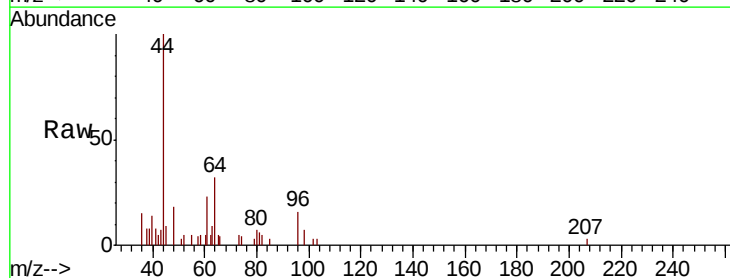
Instrument :  
MSVOA\_X  
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SA-TW513-3034

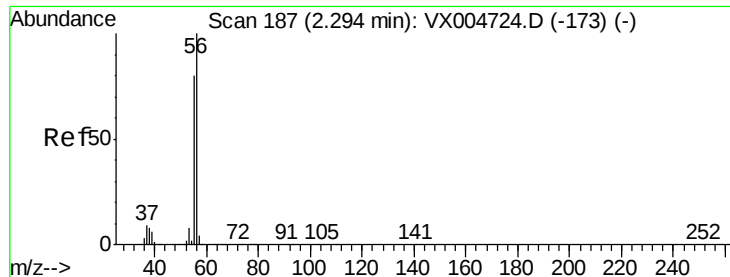
Tot Ion: 59 Resp: 3887  
Ion Ratio Lower Upper  
59 100  
57 1.9 8.6 12.8#



#12  
1,1-Dichloroethene  
Concen: 0.264 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. 0.01 min  
Lab File: VX005189.D  
Acq: 10 Oct 2018 05:39

Tgt Ion: 96 Resp: 512  
Ion Ratio Lower Upper  
96 100  
61 141.4 130.2 195.4  
98 44.4 53.4 80.0#





#13

Acrolein

Concen: 0.287 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

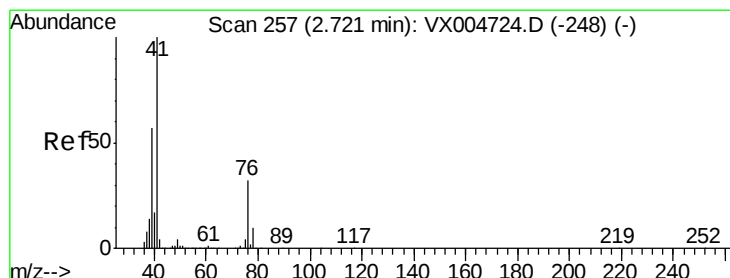
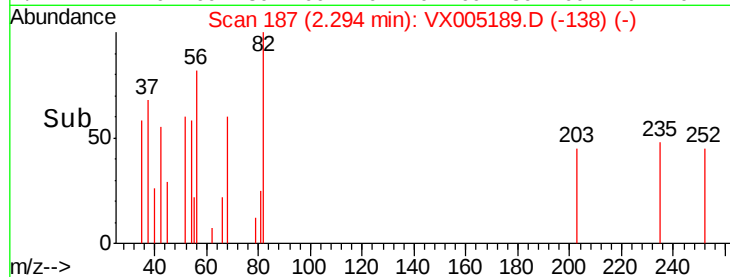
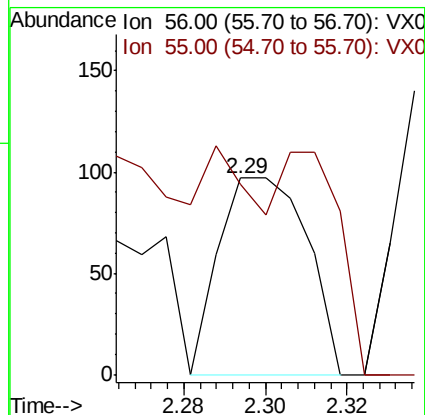
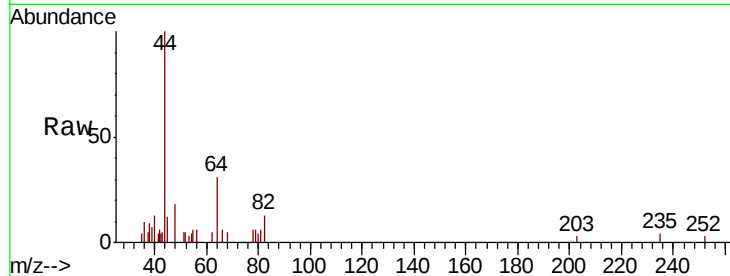
SA-TW513-3034

Tot Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 0.0 63.4 95.2#



#14

Allyl chloride

Concen: 0.755 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

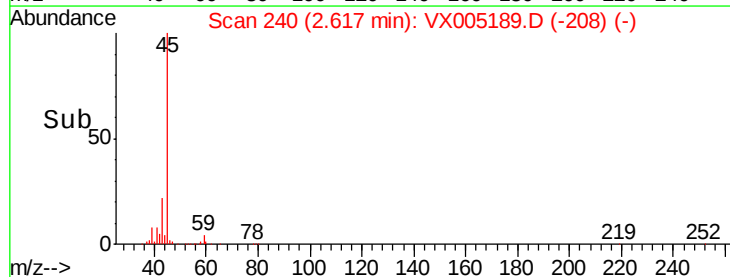
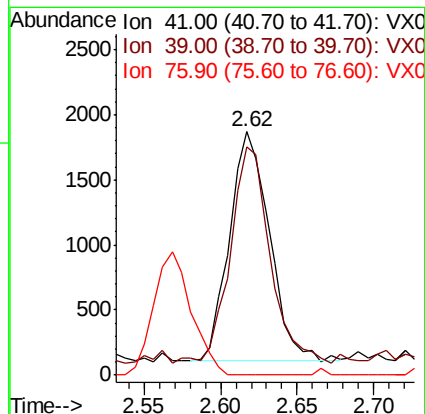
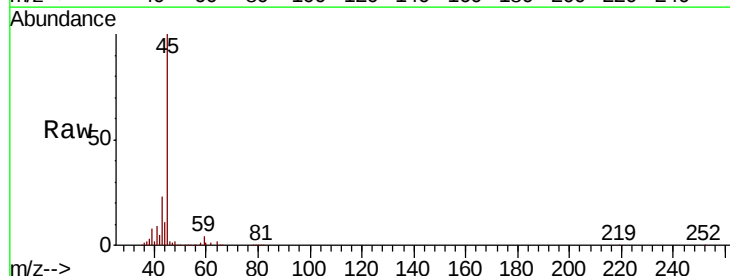
Tgt Ion: 41 Resp: 3201

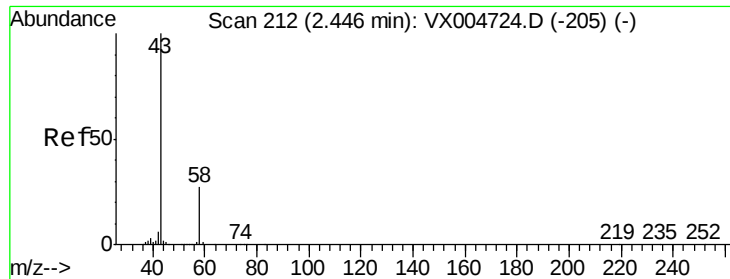
Ion Ratio Lower Upper

41 100

39 93.2 44.1 66.1#

76 0.0 25.0 37.4#





#16

Acetone

Concen: 2.074 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

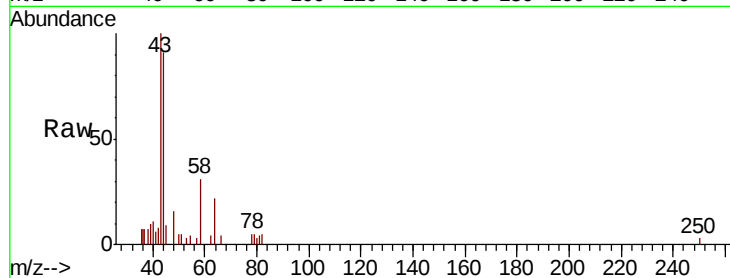
SA-TW513-3034

Tot Ion: 43 Resp: 3100

Ion Ratio Lower Upper

43 100

58 32.7 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

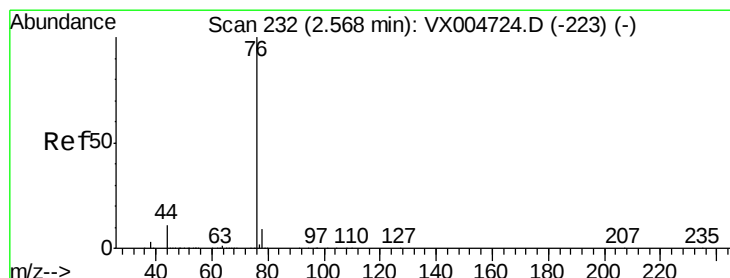
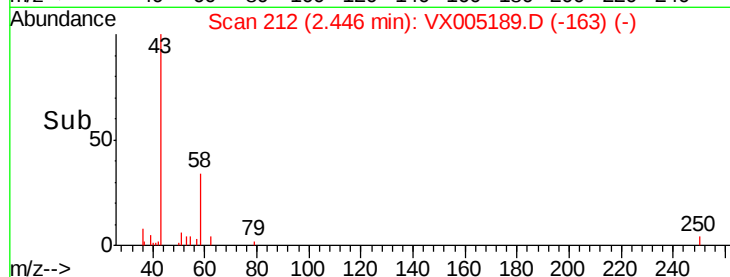
1000

500

0

2.35 2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005189.D

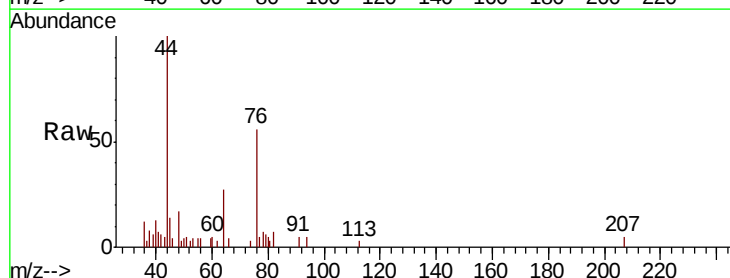
Acq: 10 Oct 2018 05:39

Tgt Ion: 76 Resp: 1624

Ion Ratio Lower Upper

76 100

78 5.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

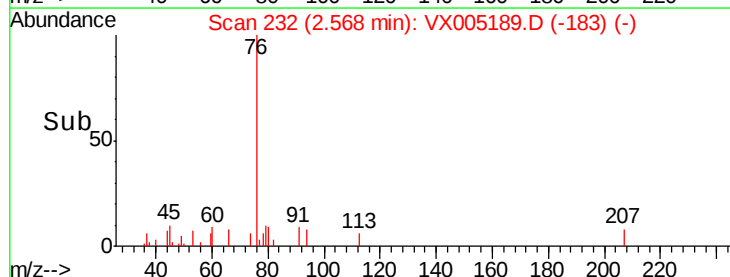
400

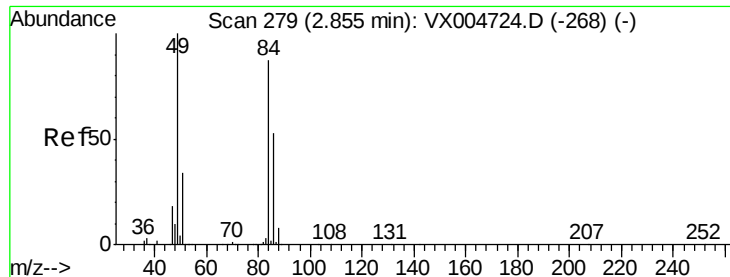
200

0

2.50 2.55 2.60

Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

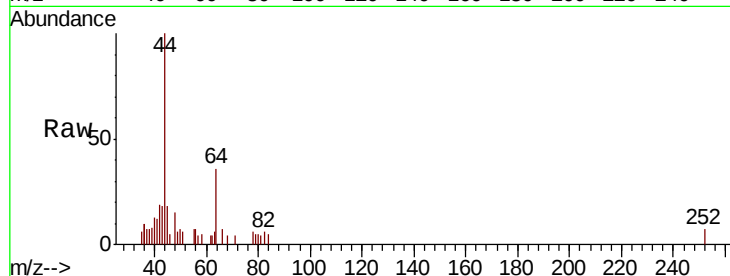
MSVOA\_X

ClientSampleId :

SA-TW513-3034

Tot Ion: 84 Resp: 66

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 107.1 | 92.3  | 138.5 |
| 51  | 120.0 | 31.8  | 47.6# |
| 86  | 0.0   | 48.5  | 72.7# |

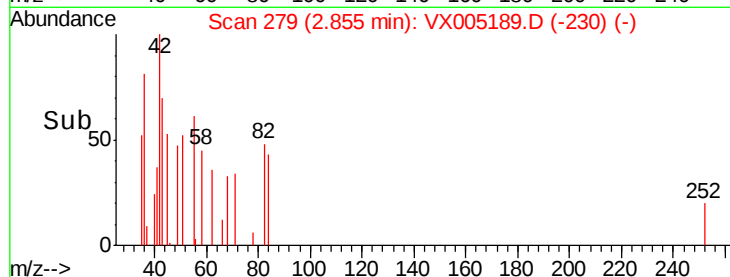
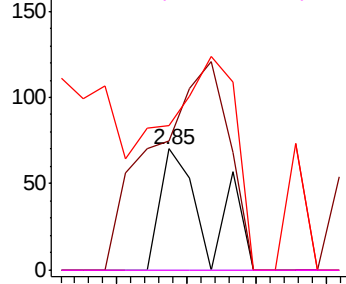


Abundance Ion 83.90 (83.60 to 84.60): VX0

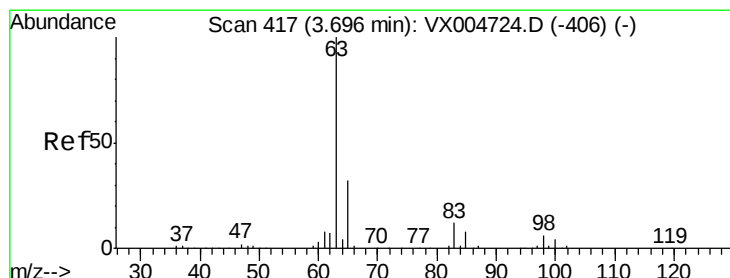
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 1.516 ug/l

RT: 3.70 min Scan# 417

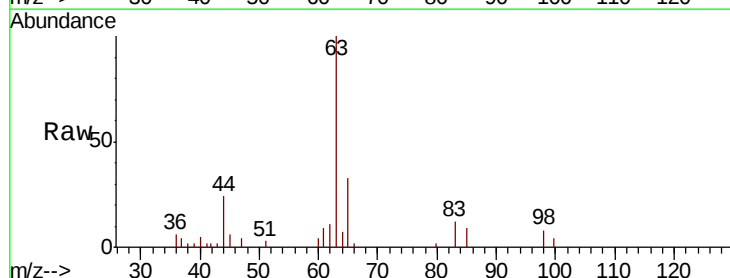
Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Tgt Ion: 63 Resp: 6452

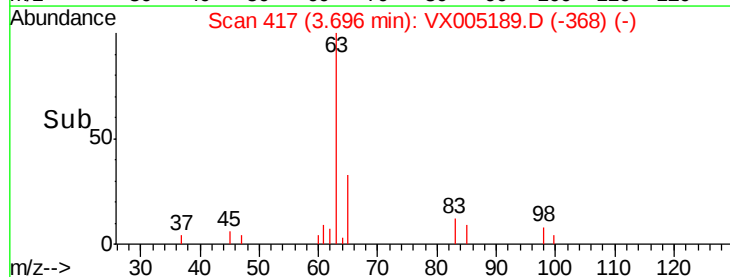
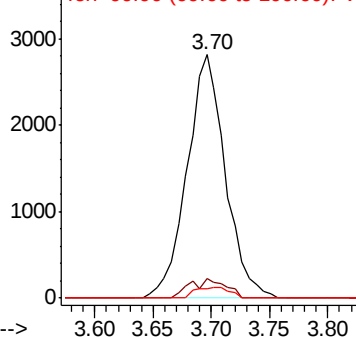
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 8.2   | 3.0   | 9.2   |
| 100 | 3.6   | 2.0   | 5.8   |



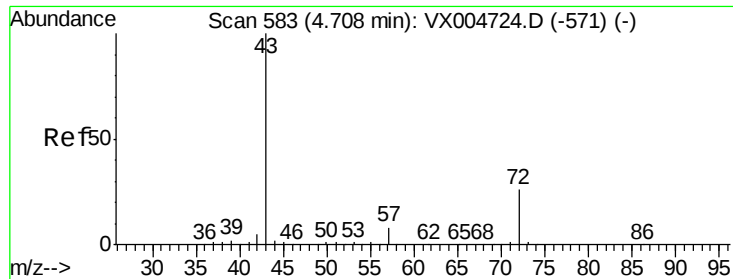
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 0.443 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

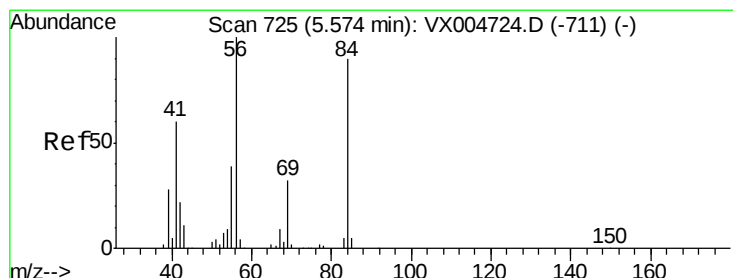
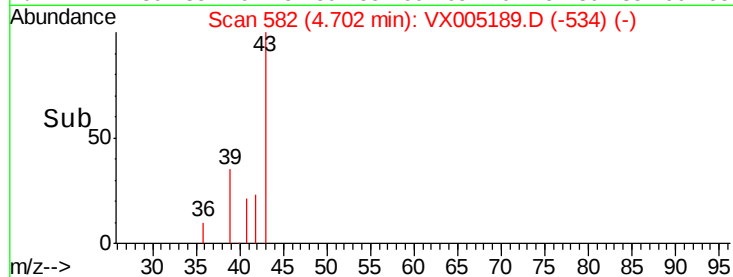
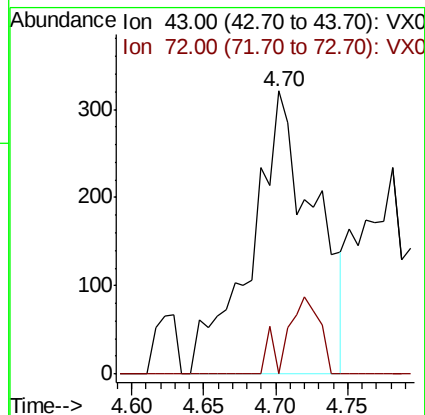
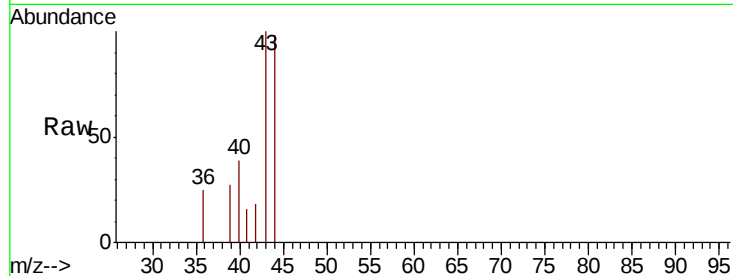
SA-TW513-3034

Tot Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

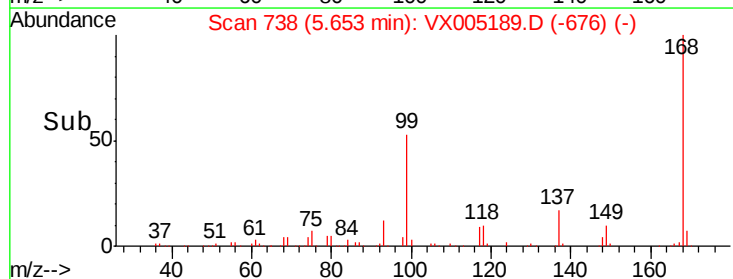
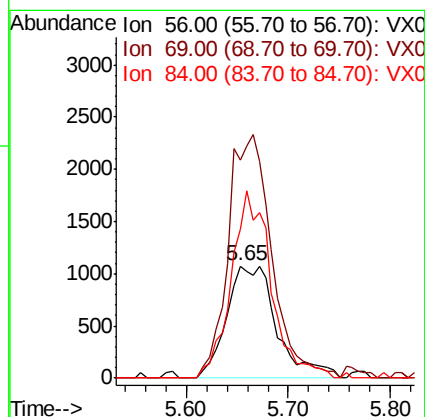
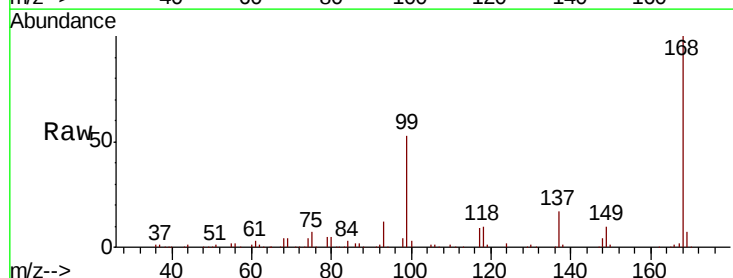
Tgt Ion: 56 Resp: 3659

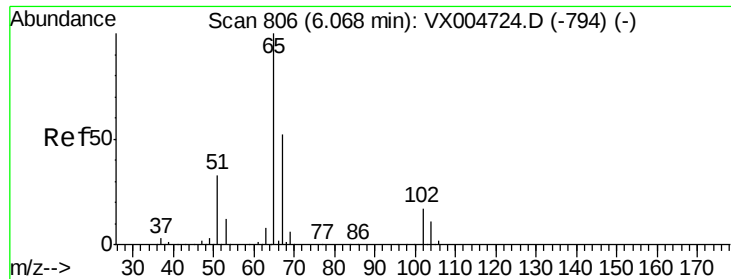
Ion Ratio Lower Upper

56 100

69 193.7 25.9 38.9#

84 132.3 71.9 107.9#

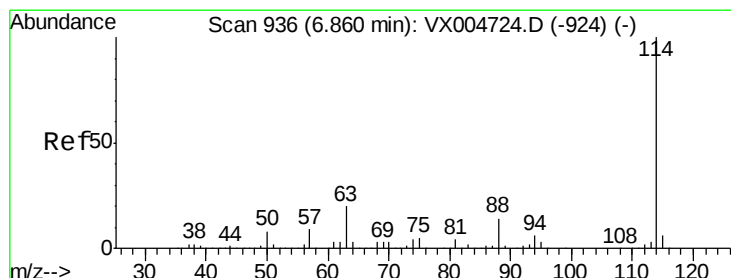
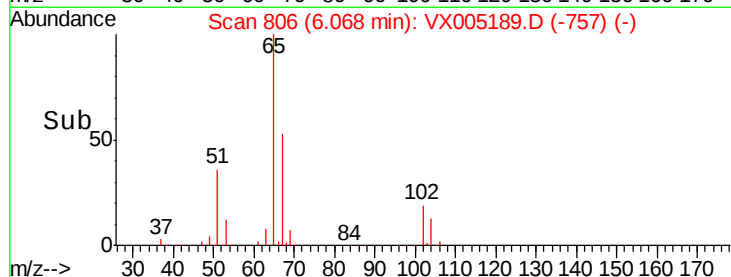
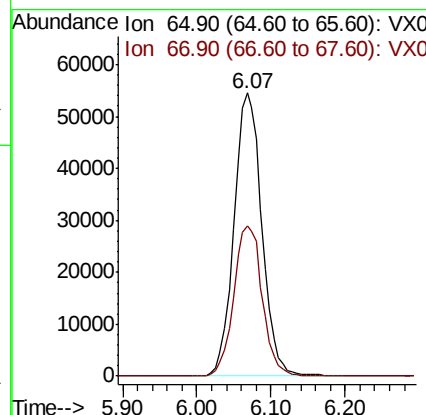
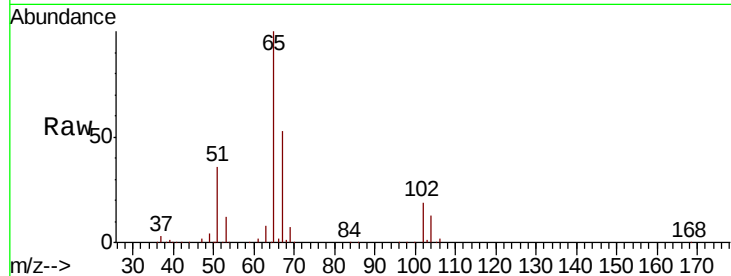




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.743 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX005189.D  
 Acq: 10 Oct 2018 05:39

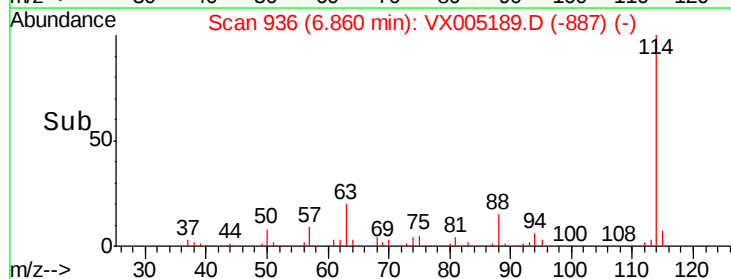
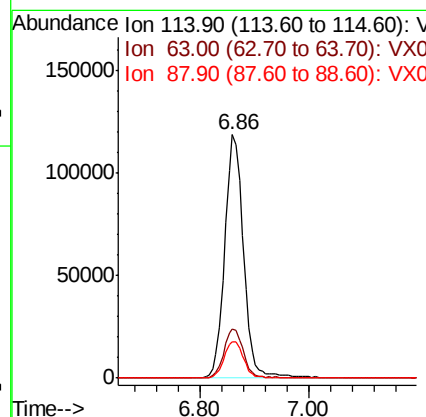
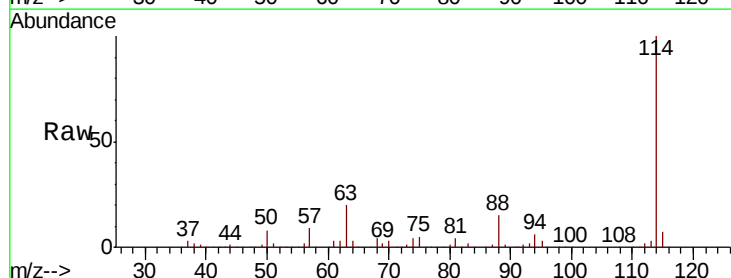
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-3034

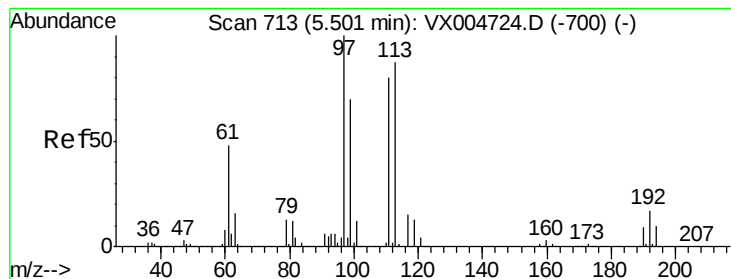
Tot Ion: 65 Resp: 142716  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX005189.D  
 Acq: 10 Oct 2018 05:39

Tgt Ion: 114 Resp: 286480  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.8  
 88 15.0 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.255 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-3034

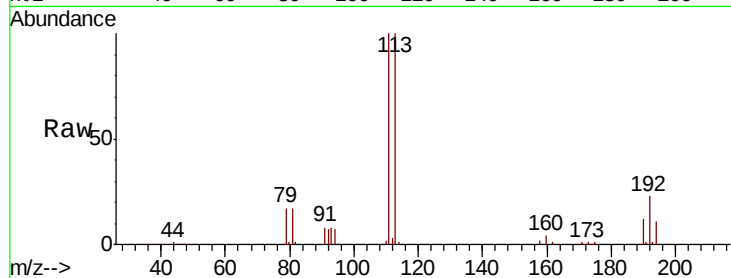
Tot Ion:113 Resp: 119588

Ion Ratio Lower Upper

113 100

111 107.2 77.0 115.4

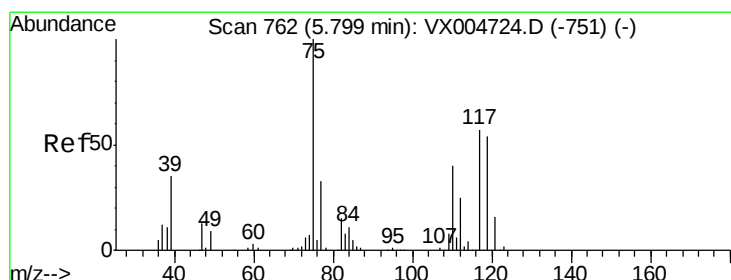
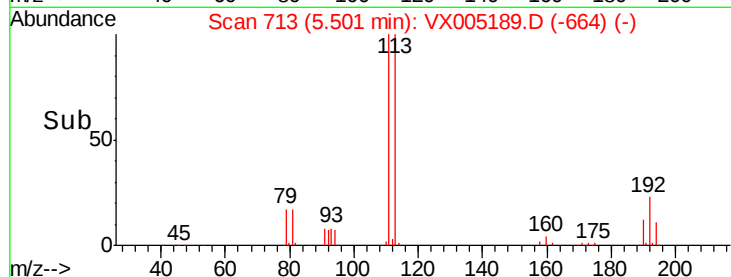
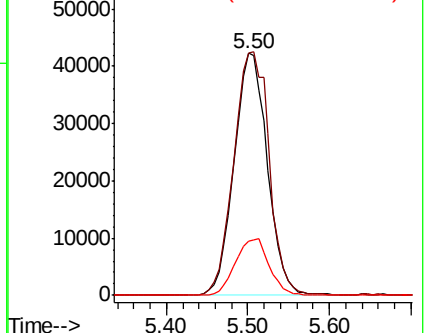
192 23.8 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.864 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

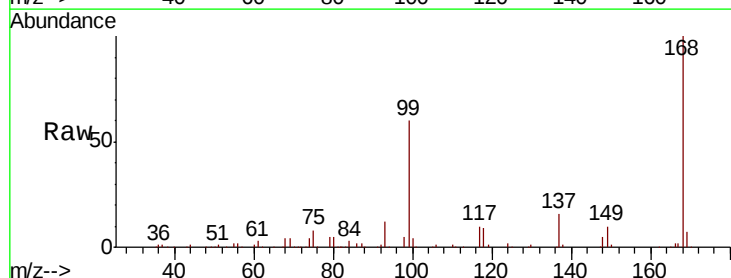
Tgt Ion: 75 Resp: 12799

Ion Ratio Lower Upper

75 100

110 8.9 20.0 59.9#

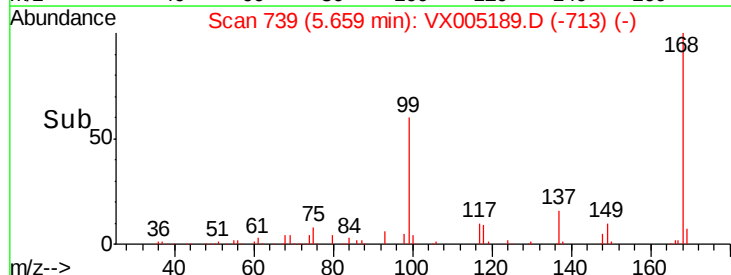
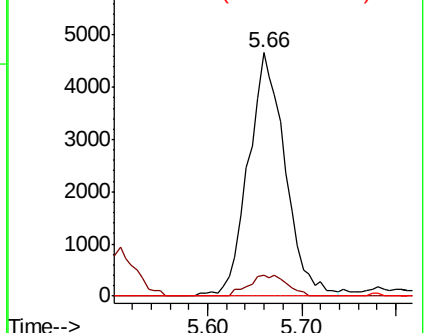
77 0.0 27.1 40.7#

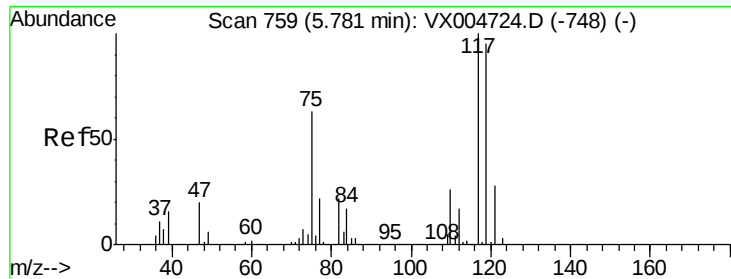


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.732 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-3034

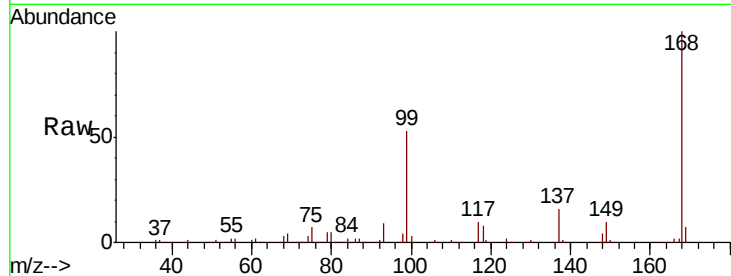
Tot Ion:117 Resp: 16479

Ion Ratio Lower Upper

117 100

119 6.8 75.2 112.8#

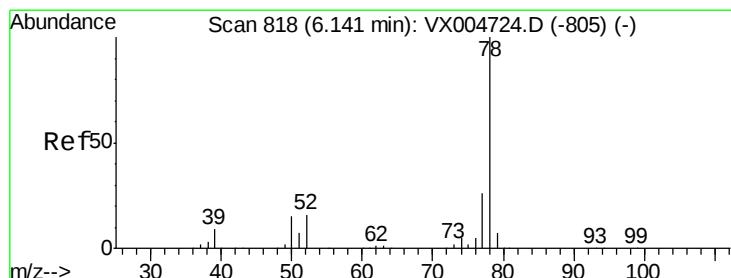
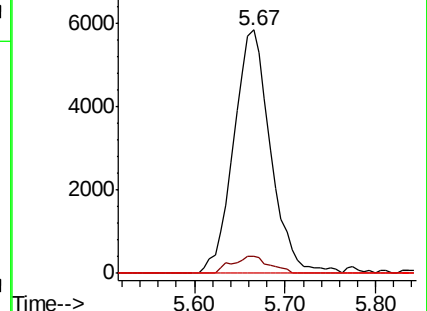
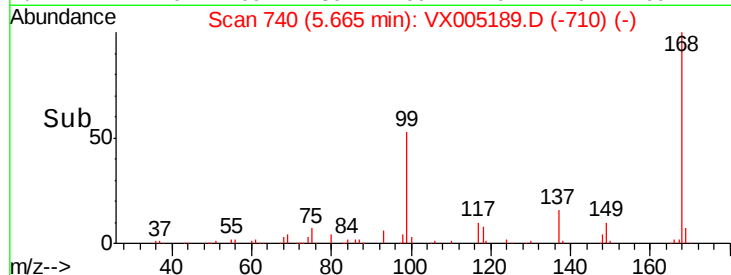
121 0.0 22.5 33.7#



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



#40

Benzene

Concen: 0.253 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX005189.D

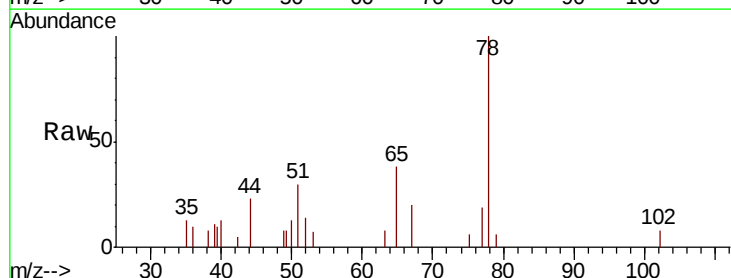
Acq: 10 Oct 2018 05:39

Tgt Ion: 78 Resp: 2623

Ion Ratio Lower Upper

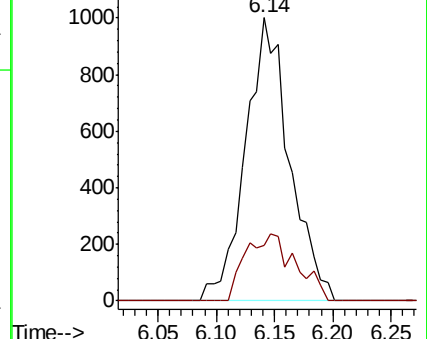
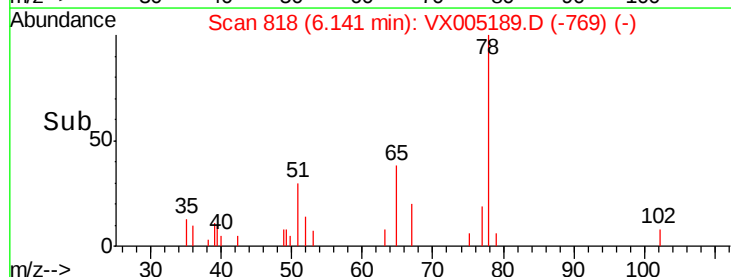
78 100

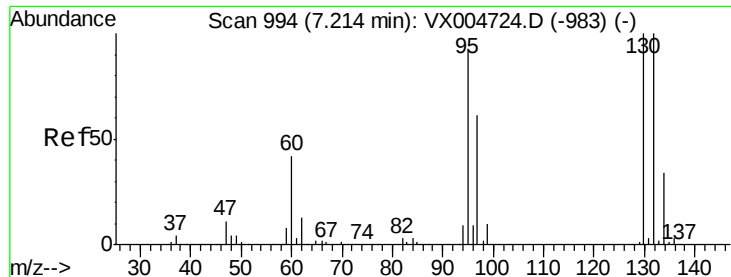
77 19.5 21.0 31.4#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 0.419 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

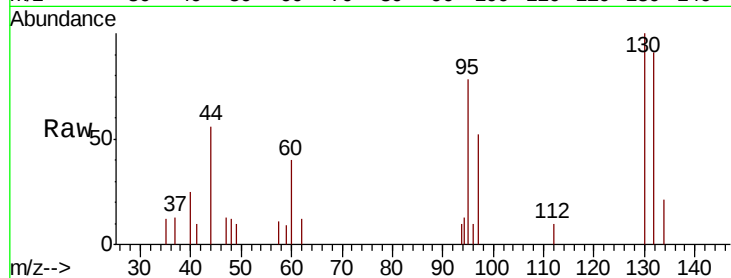
SA-TW513-3034

Tot Ion:130 Resp: 1068

Ion Ratio Lower Upper

130 100

95 78.3 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

600

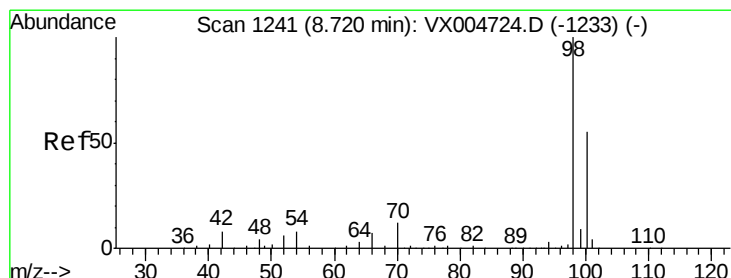
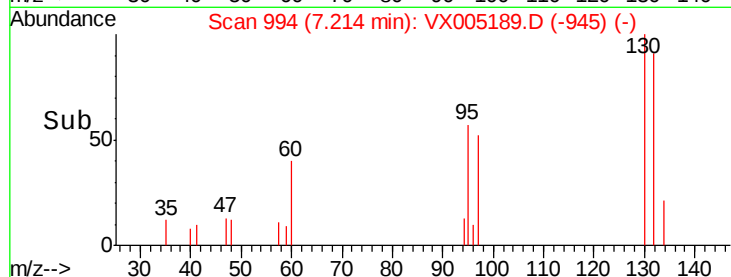
400

200

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 51.990 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005189.D

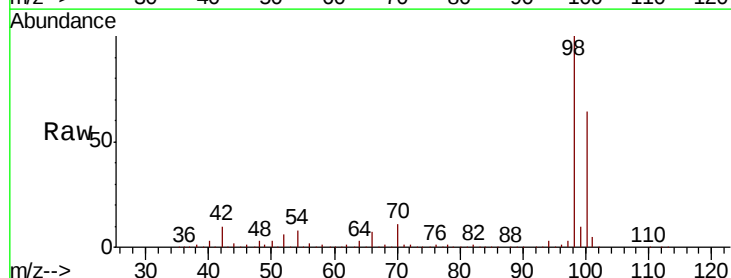
Acq: 10 Oct 2018 05:39

Tgt Ion: 98 Resp: 419646

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

300000

250000

200000

150000

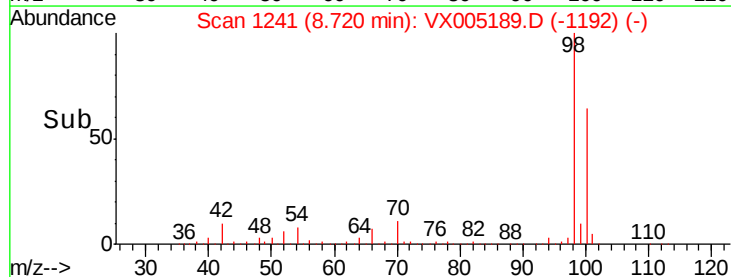
100000

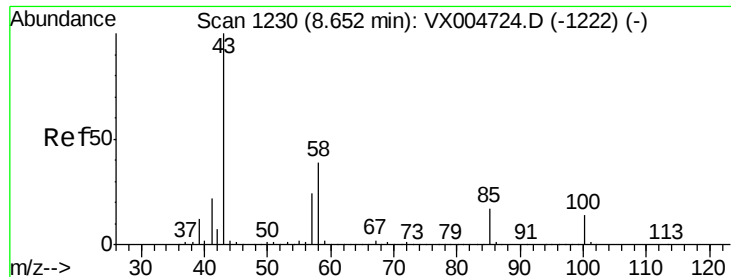
50000

0

8.60 8.70 8.80 8.90

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.579 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

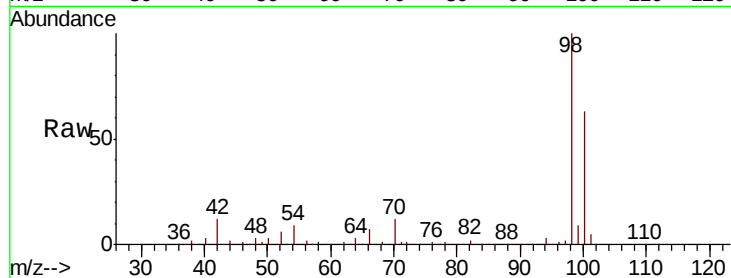
SA-TW513-3034

Tot Ion: 43 Resp: 2315

Ion Ratio Lower Upper

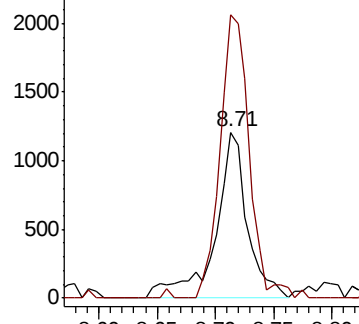
43 100

58 155.3 30.5 45.7#

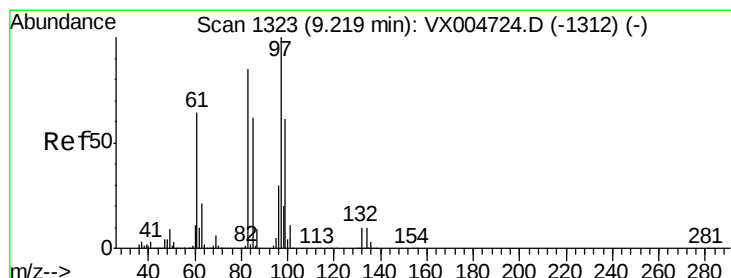
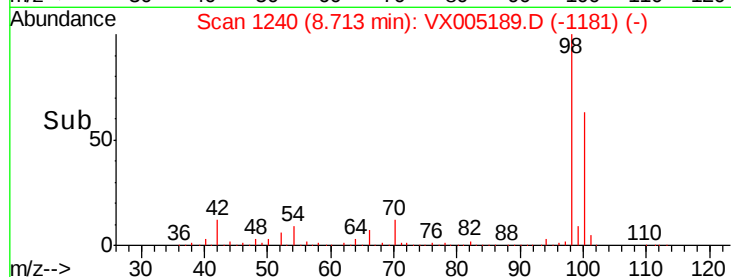


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#55

1,1,2-Trichloroethane

Concen: 1.135 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.18 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Tgt Ion: 97 Resp: 2833

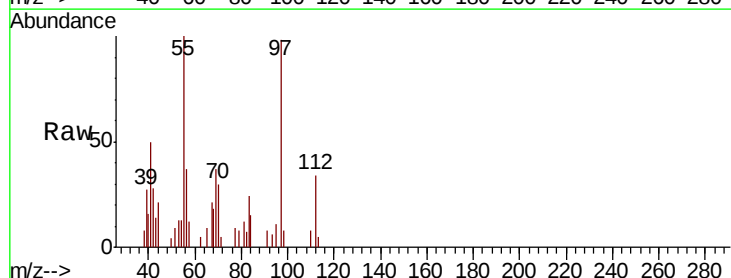
Ion Ratio Lower Upper

97 100

83 24.6 68.2 102.2#

85 0.0 49.9 74.9#

99 0.0 48.9 73.3#

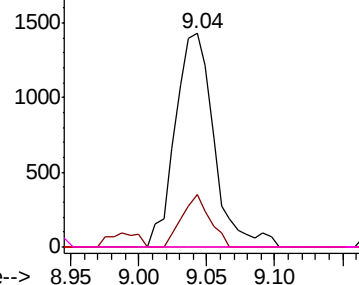


Abundance Ion 96.90 (96.60 to 97.60): VX0

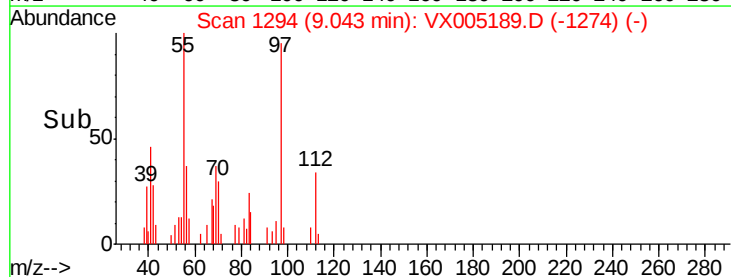
Ion 82.90 (82.60 to 83.60): VX0

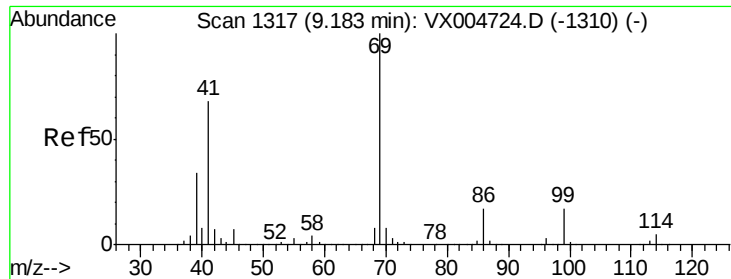
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



Time-->

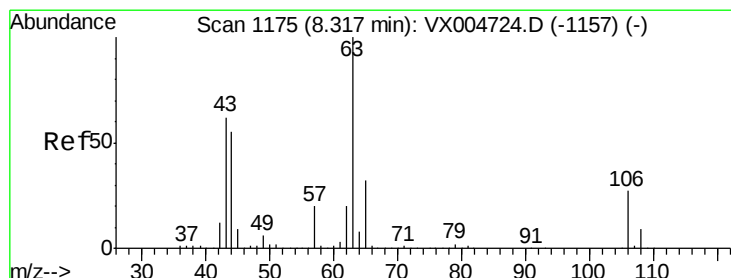
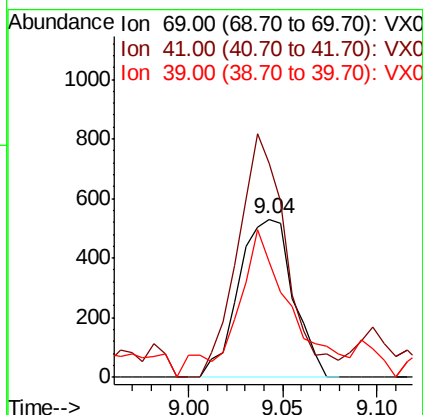
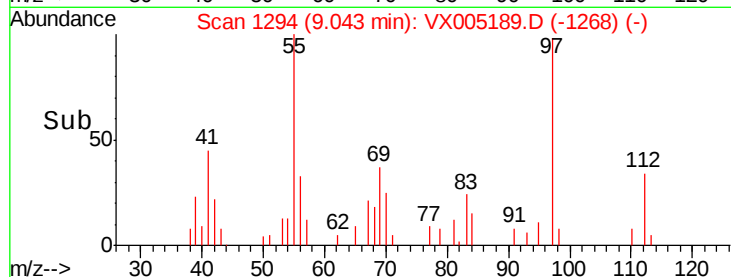
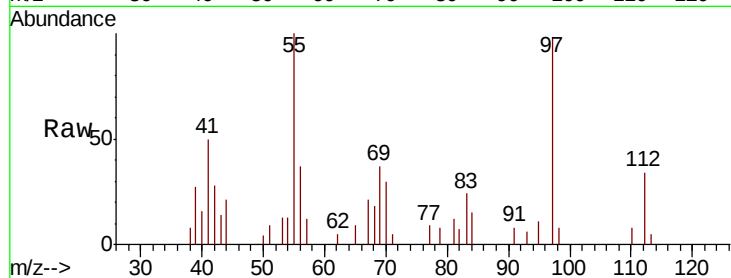




#56  
Ethyl methacrylate  
Concen: 3.110 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.14 min  
Lab File: VX005189.D  
Acq: 10 Oct 2018 05:39

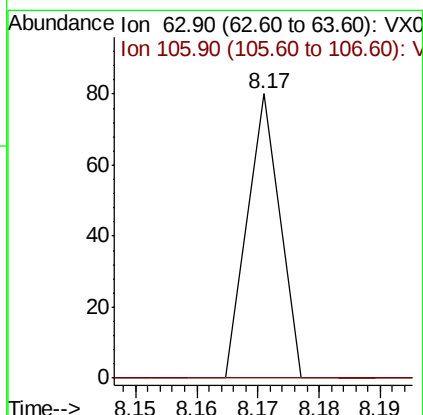
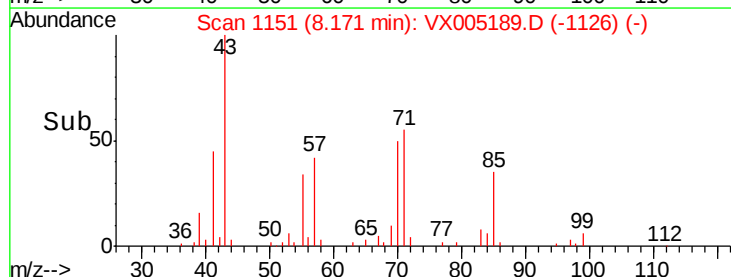
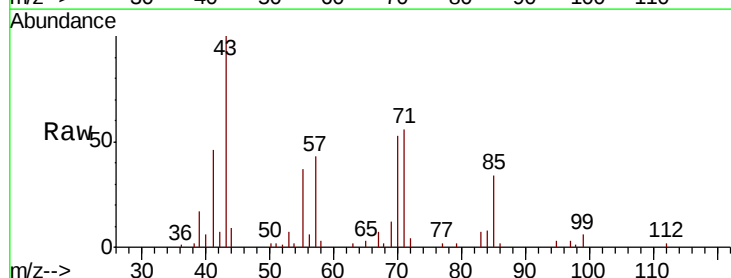
Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-3034

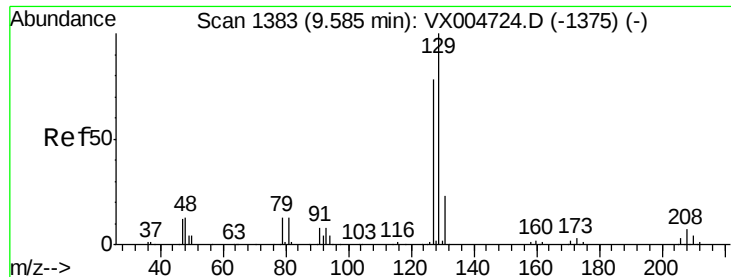
Tot Ion: 69 Resp: 1064  
Ion Ratio Lower Upper  
69 100  
41 137.8 56.9 85.3#  
39 92.4 28.4 42.6#



#58  
2-Chloroethyl Vinyl ether  
Concen: 14.255 ug/l  
RT: 8.17 min Scan# 1151  
Delta R.T. -0.15 min  
Lab File: VX005189.D  
Acq: 10 Oct 2018 05:39

Tgt Ion: 63 Resp: 29  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.0 31.6#





#60

Dibromochloromethane

Concen: 0.850 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

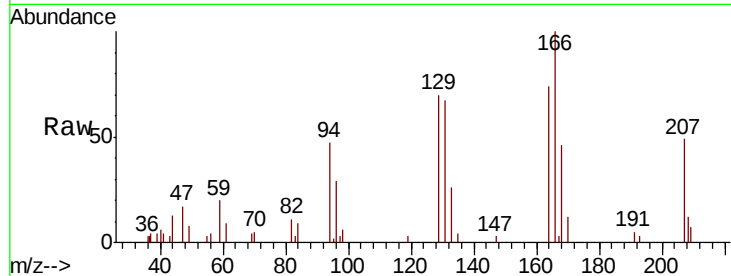
SA-TW513-3034

Tot Ion:129 Resp: 2123

Ion Ratio Lower Upper

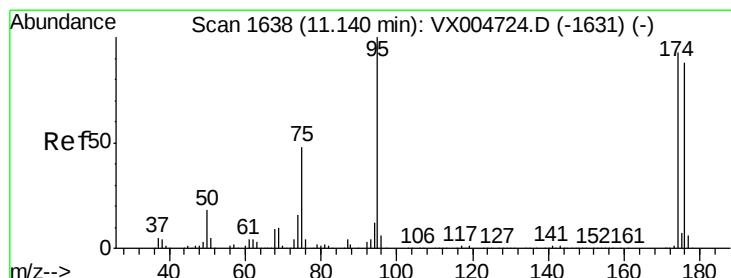
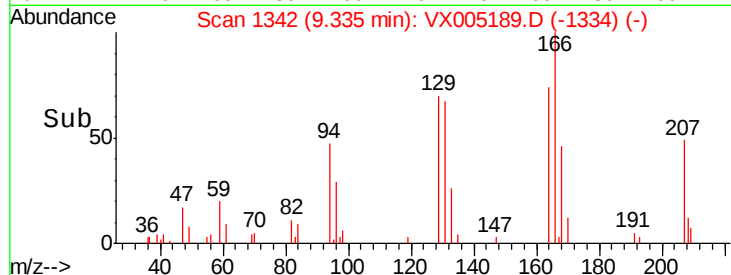
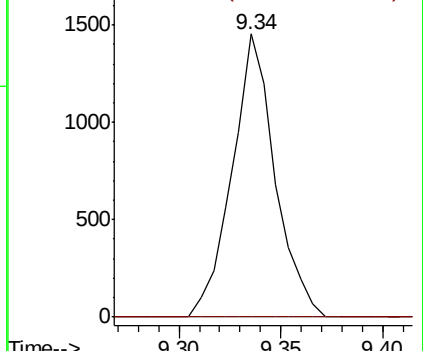
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 53.031 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

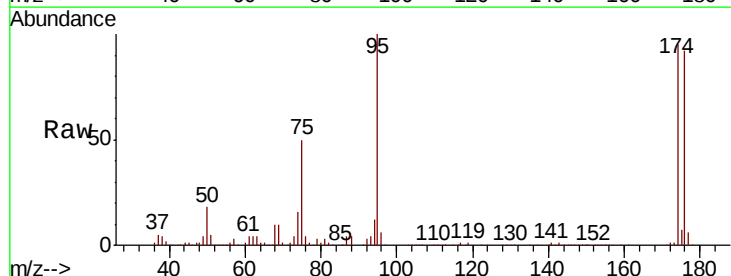
Tgt Ion: 95 Resp: 154209

Ion Ratio Lower Upper

95 100

174 93.0 0.0 185.0

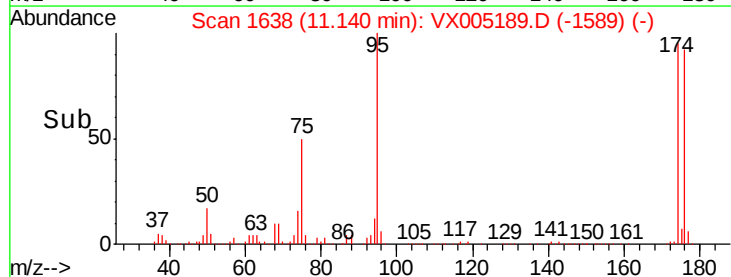
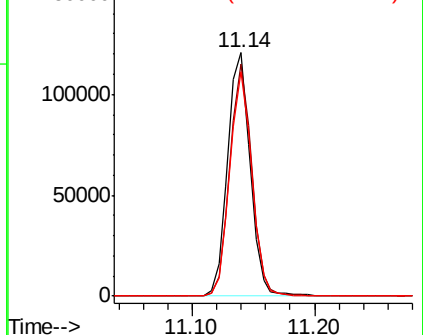
176 89.7 0.0 180.2

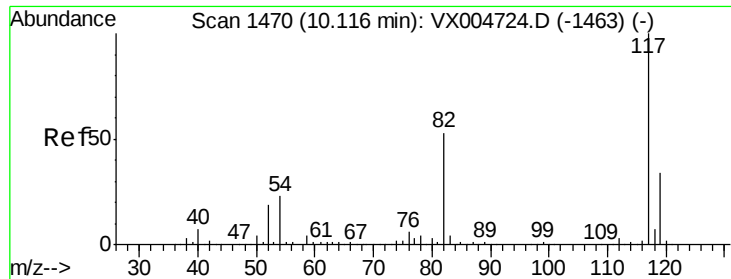


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

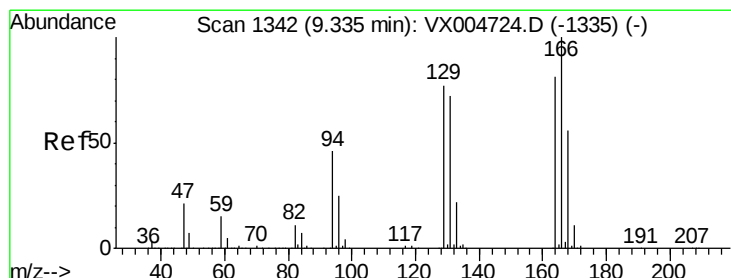
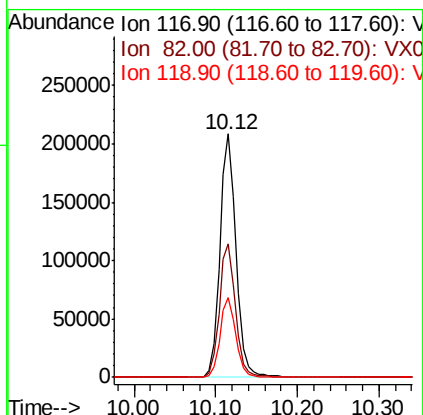
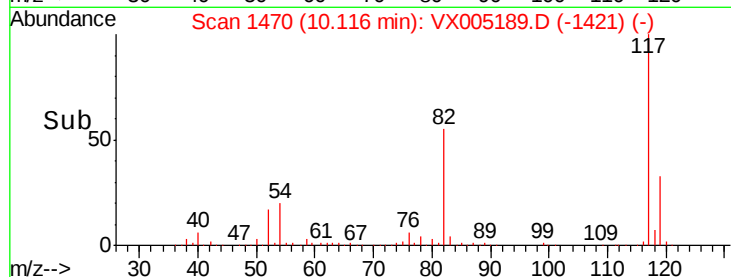
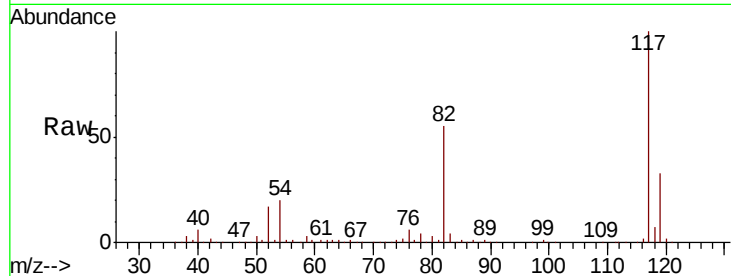




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005189.D  
Acq: 10 Oct 2018 05:39

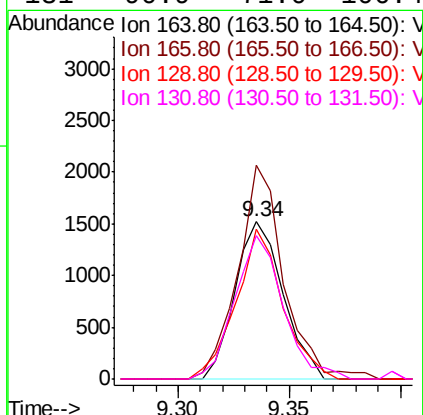
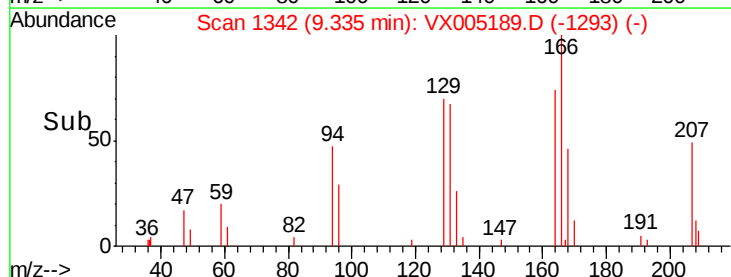
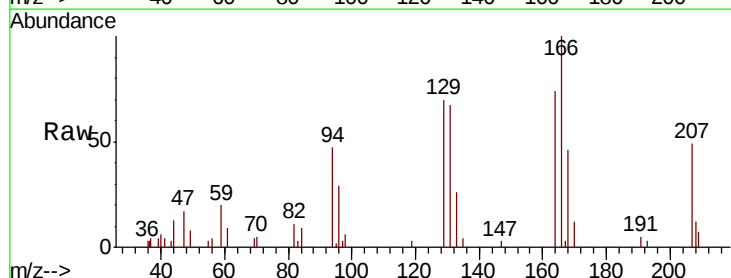
Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-TW513-3034

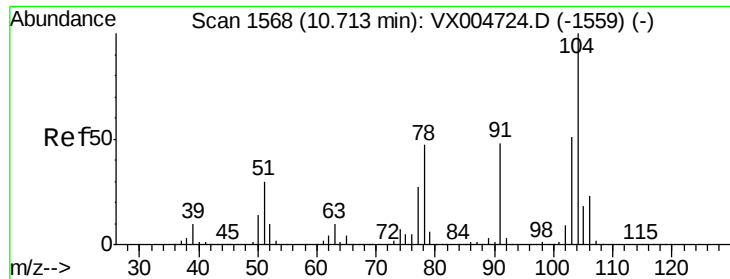
Tot Ion:117 Resp: 287939  
Ion Ratio Lower Upper  
117 100  
82 54.7 42.2 63.4  
119 32.6 27.4 41.0



#64  
Tetrachloroethene  
Concen: 0.803 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX005189.D  
Acq: 10 Oct 2018 05:39

Tgt Ion:164 Resp: 2277  
Ion Ratio Lower Upper  
164 100  
166 135.8 98.4 147.6  
129 95.5 76.1 114.1  
131 90.9 71.0 106.4





#70

Stvrene

Concen: 2.153 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-3034

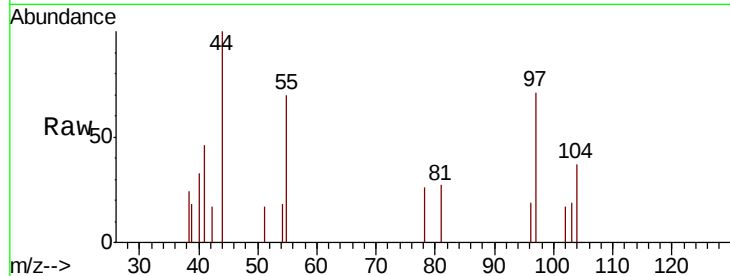
Tot Ion:104 Resp: 100

Ion Ratio Lower Upper

104 100

78 82.0 40.0 60.0#

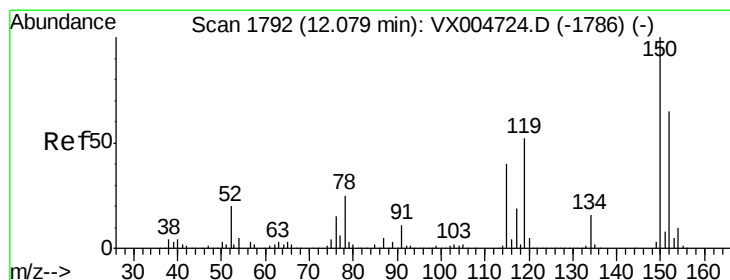
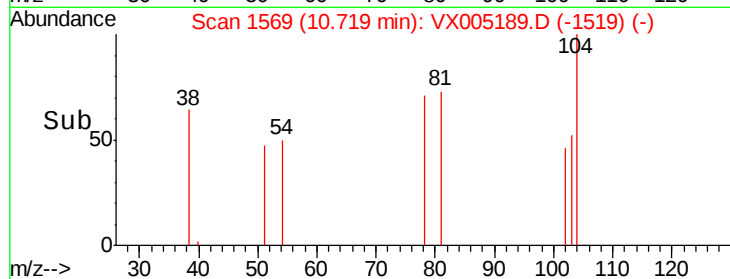
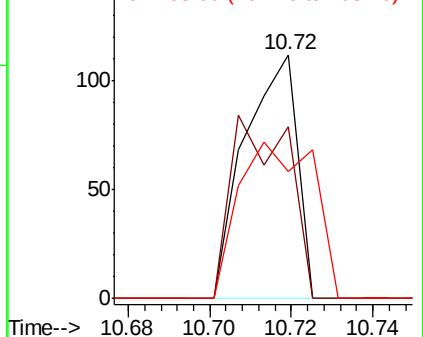
103 91.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX005189.D

Acq: 10 Oct 2018 05:39

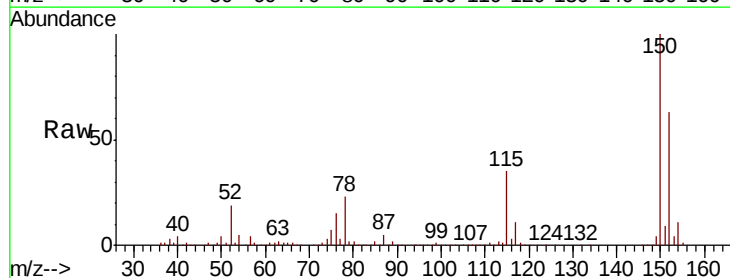
Tgt Ion:152 Resp: 164877

Ion Ratio Lower Upper

152 100

115 54.7 40.2 120.6

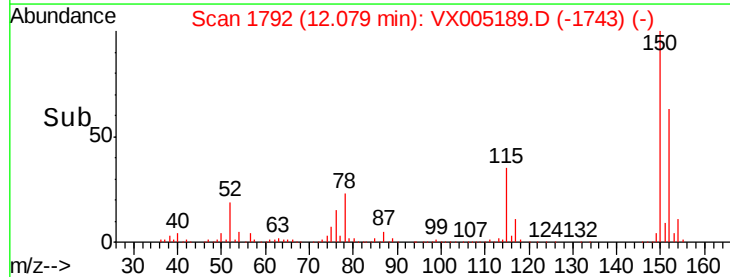
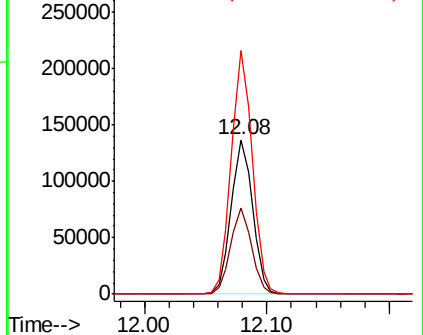
150 155.4 0.0 351.0

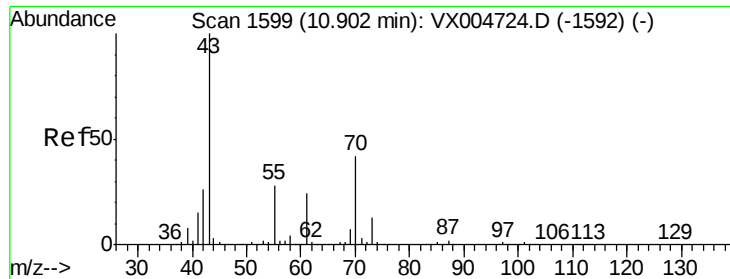


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.822 ug/l

RT: 10.93 min Scan# 1603

Delta R.T. 0.02 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-3034

Tot Ion: 43 Resp: 436

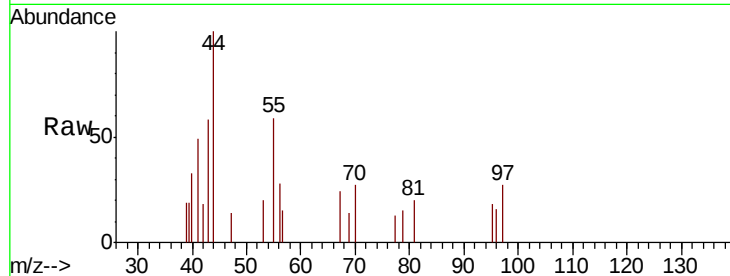
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 100.9 21.6 32.4#

61 0.0 19.1 28.7#

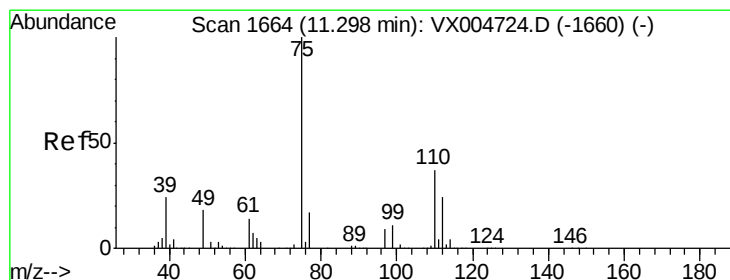
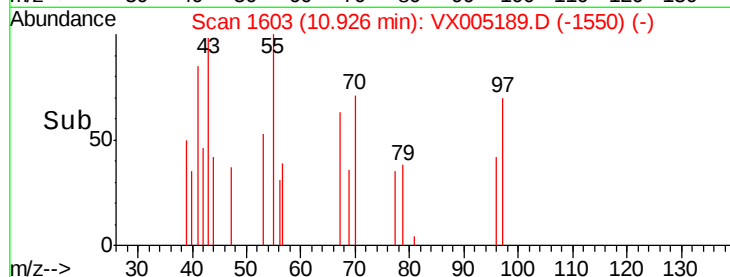
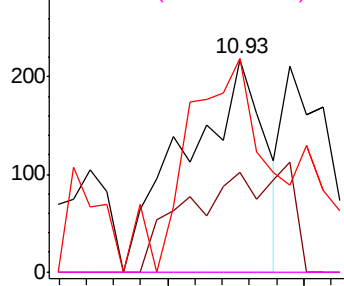


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 20.691 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005189.D

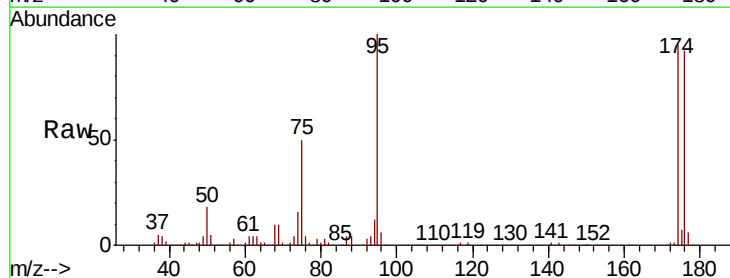
Acq: 10 Oct 2018 05:39

Tgt Ion: 75 Resp: 76462

Ion Ratio Lower Upper

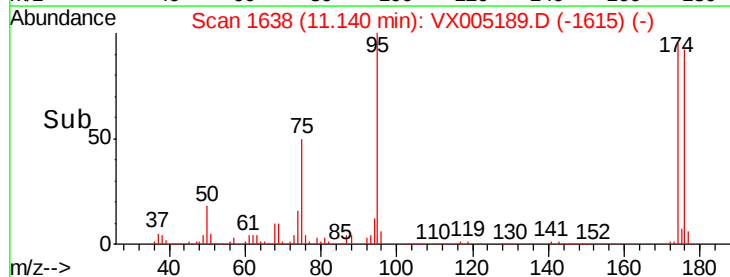
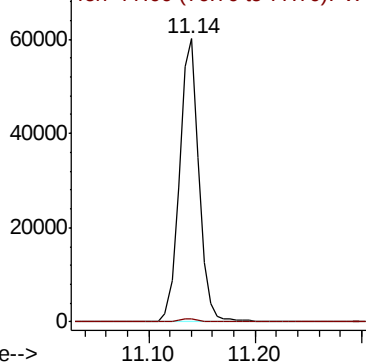
75 100

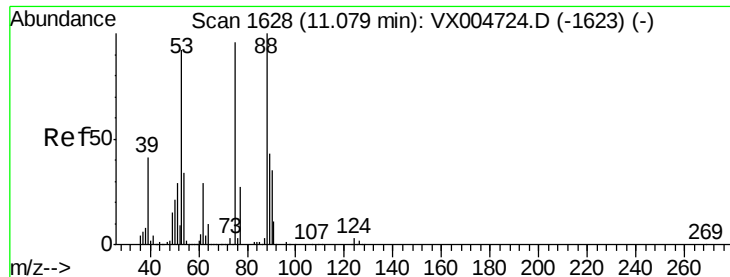
77 1.3 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.176 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

SA-TW513-3034

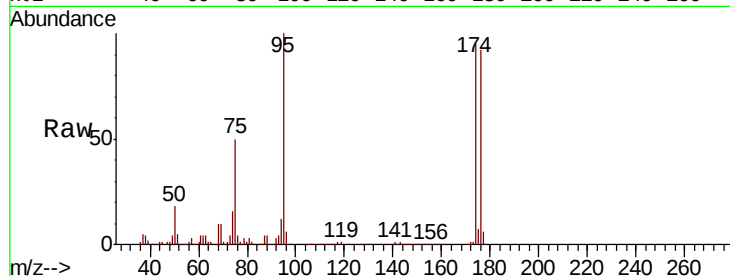
Tot Ion: 75 Resp: 76462

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

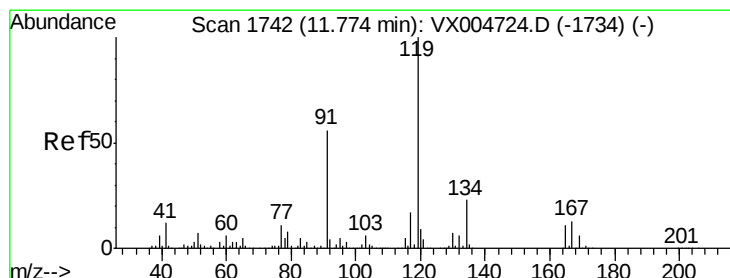
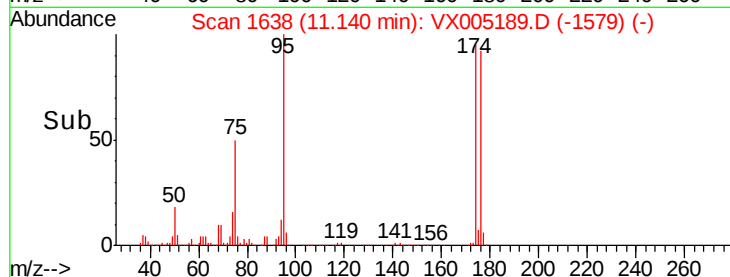
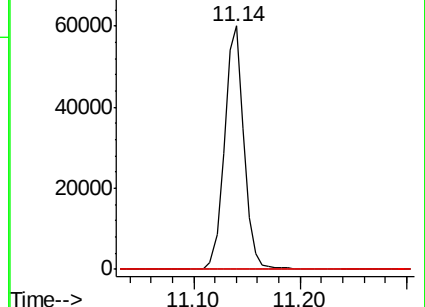
89 0.0 37.1 55.7#



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



#83

tert-Butylbenzene

Concen: 0.276 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

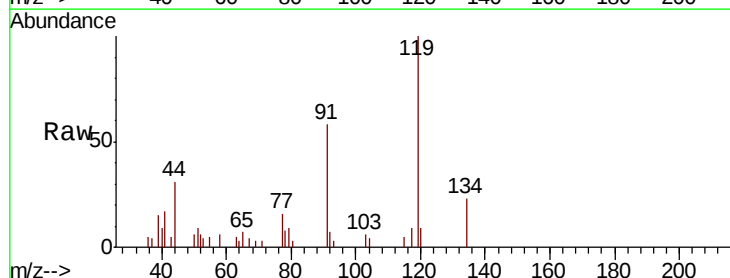
Tgt Ion: 119 Resp: 2364

Ion Ratio Lower Upper

119 100

91 72.5 27.5 82.5

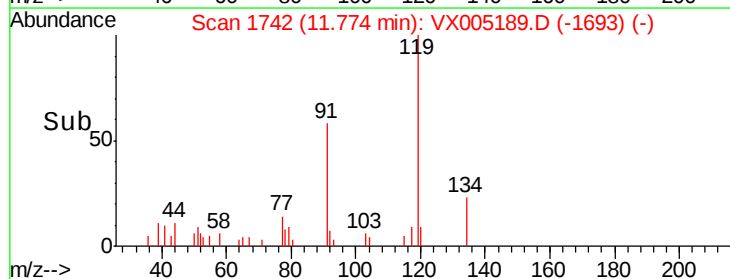
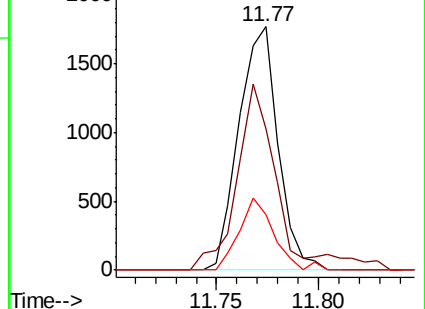
134 26.0 11.5 34.4

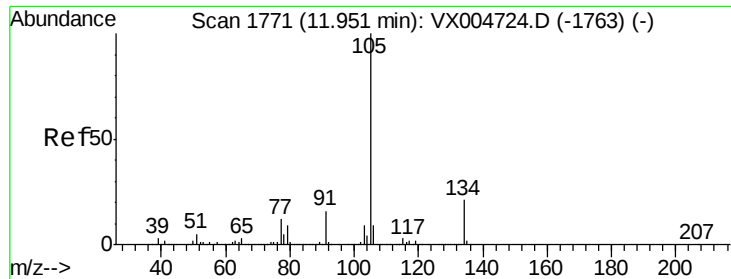


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 1.048 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

Instrument :

MSVOA\_X

ClientSampleId :

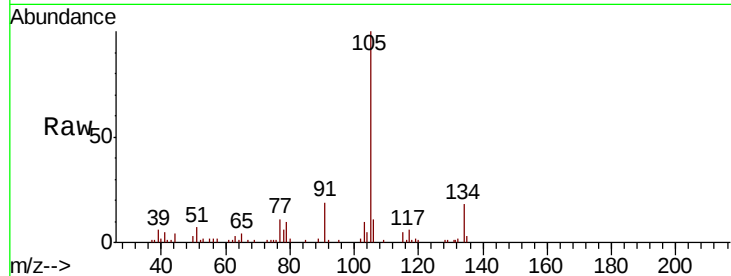
SA-TW513-3034

Tot Ion:105 Resp: 10927

Ion Ratio Lower Upper

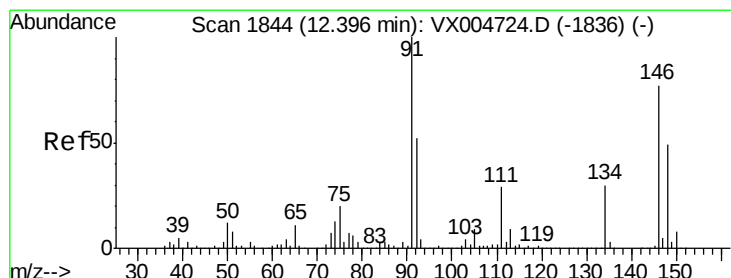
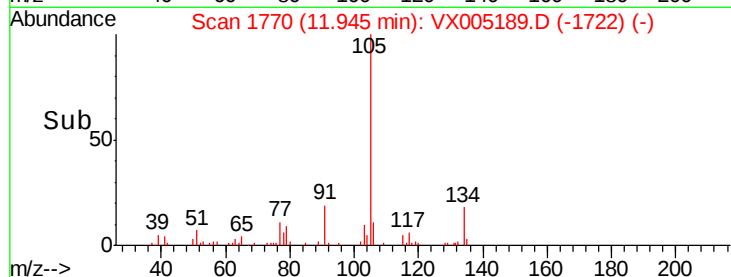
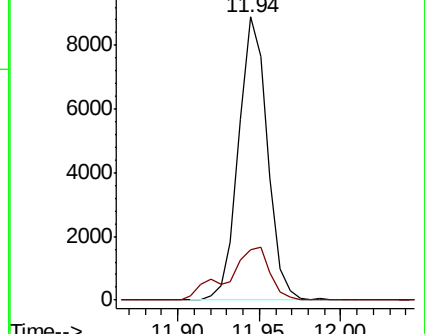
105 100

134 26.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: 0.296 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX005189.D

Acq: 10 Oct 2018 05:39

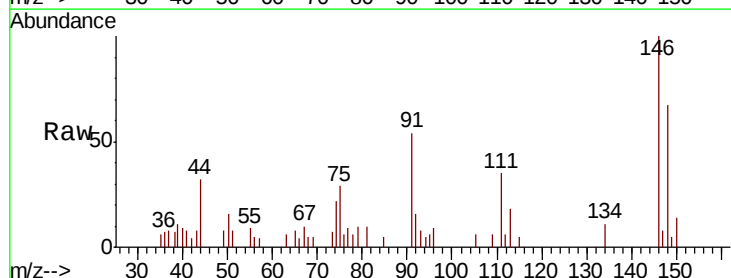
Tgt Ion:146 Resp: 1744

Ion Ratio Lower Upper

146 100

111 40.2 19.6 58.7

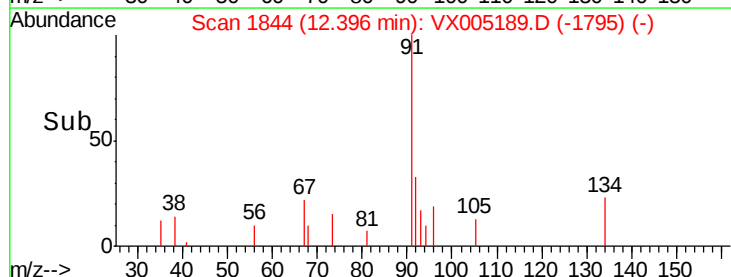
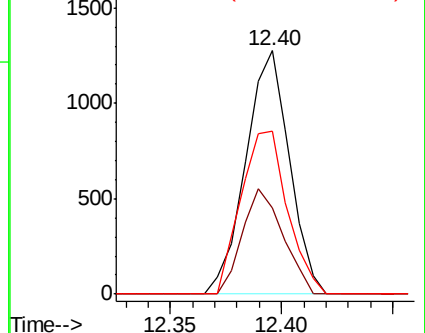
148 71.2 31.8 95.4

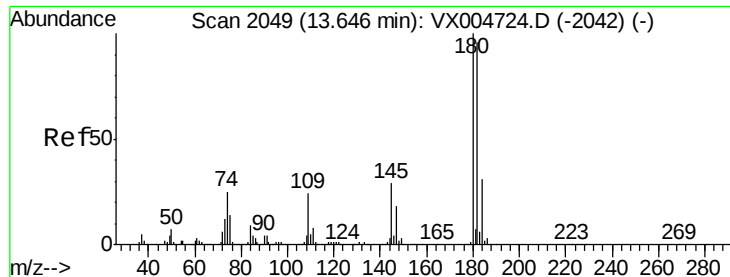


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

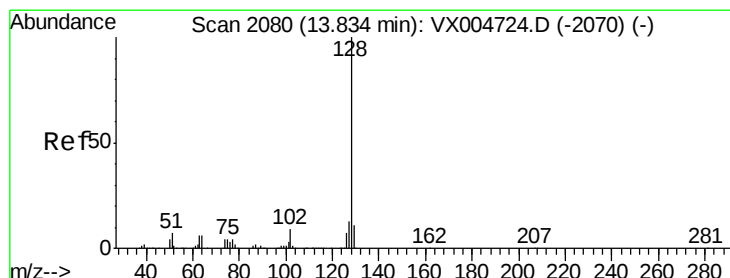
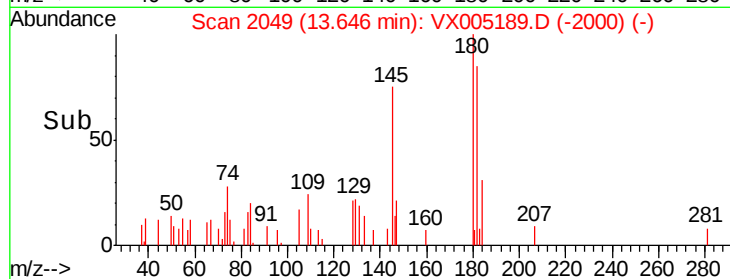
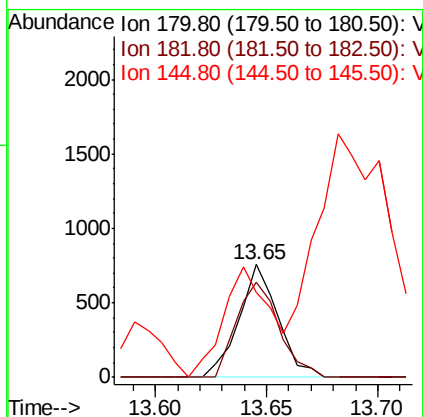
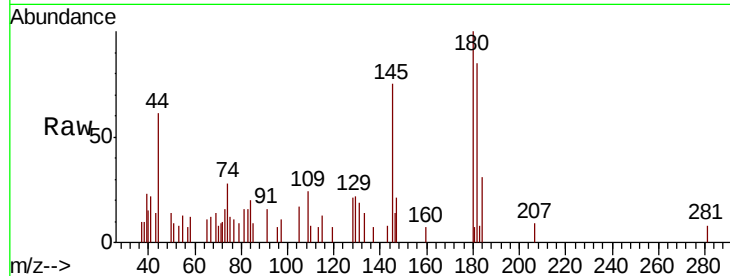




#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.226 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX005189.D  
 Acq: 10 Oct 2018 05:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-TW513-3034

Tot Ion:180 Resp: 932  
 Ion Ratio Lower Upper  
 180 100  
 182 92.2 47.8 143.4  
 145 116.4 14.1 42.4#



#95  
 Naphthalene  
 Concen: 0.799 ug/l  
 RT: 13.84 min Scan# 2081  
 Delta R.T. 0.01 min  
 Lab File: VX005189.D  
 Acq: 10 Oct 2018 05:39

Tgt Ion:128 Resp: 1107  
 Ion Ratio Lower Upper  
 128 100  
 127 24.4 10.4 15.6#  
 129 29.3 8.7 13.1#

