

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\  
 Data File : VX005603.D  
 Acq On : 26 Oct 2018 14:29  
 Operator : JC/MD  
 Sample : J5675-05ME  
 Misc : 6.03g/5ml/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-13ME

Quant Time: Oct 27 04:44:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 25 02:52:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 210585   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 316585   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 274534   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 143325   | 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   | 128210   | 49.88 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.76% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 101144   | 47.18 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.36% |          |
| 50) Toluene-d8              | 8.71  | 98   | 360182   | 46.76 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.52% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 124097   | 42.66 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 85.32% |          |

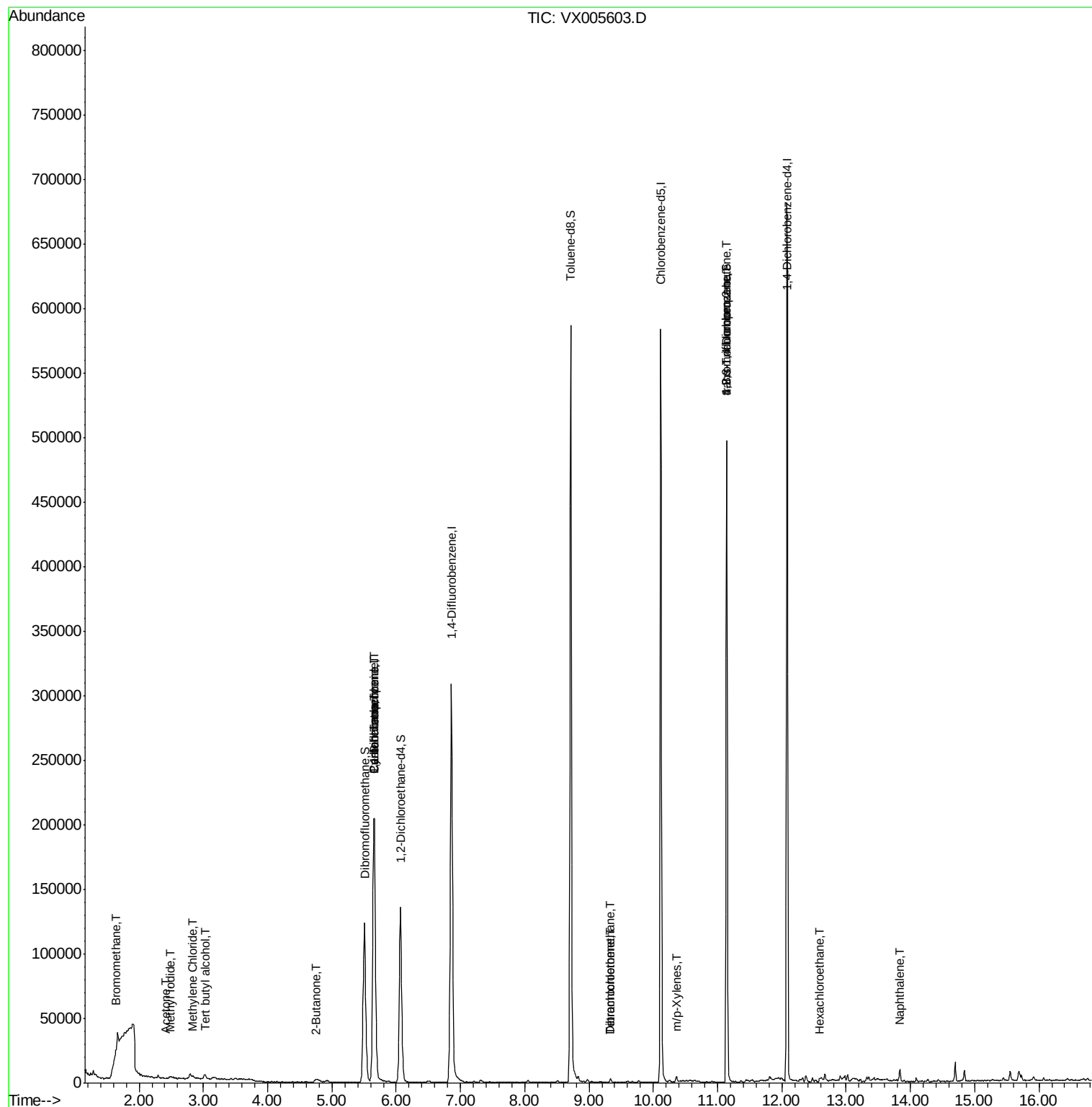
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.63  | 94   | 611      | 0.377     | ug/l # | 71     |
| 10) Methyl Iodide              | 2.48  | 142  | 297      | 2.855     | ug/l # | 70     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 2622     | 3.790     | ug/l # | 72     |
| 16) Acetone                    | 2.41  | 43   | 352      | 0.259     | ug/l # | 45     |
| 18) Methyl Acetate             | 2.80  | 43   | 4485     | Below Cal |        | 92     |
| 20) Methylene Chloride         | 2.84  | 84   | 778      | 0.342     | ug/l # | 80     |
| 25) 2-Butanone                 | 4.75  | 43   | 4156     | 2.009     | ug/l # | 88     |
| 31) Cyclohexane                | 5.66  | 56   | 4220     | 1.218     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.65  | 75   | 14322    | 4.662     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 18919    | 5.847     | ug/l # | 16     |
| 60) Dibromochloromethane       | 9.34  | 129  | 558      | 0.237     | ug/l # | 10     |
| 64) Tetrachloroethene          | 9.34  | 164  | 547      | 0.240     | ug/l # | 85     |
| 68) m/p-Xylenes                | 10.35 | 106  | 921      | 0.247     | ug/l   | 98     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 62682    | 20.641    | ug/l # | 36     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 62682    | 67.446    | ug/l # | 9      |
| 90) Hexachloroethane           | 12.58 | 117  | 322      | 0.234     | ug/l # | 2      |
| 95) Naphthalene                | 13.83 | 128  | 6060     | 0.619     | ug/l # | 97     |

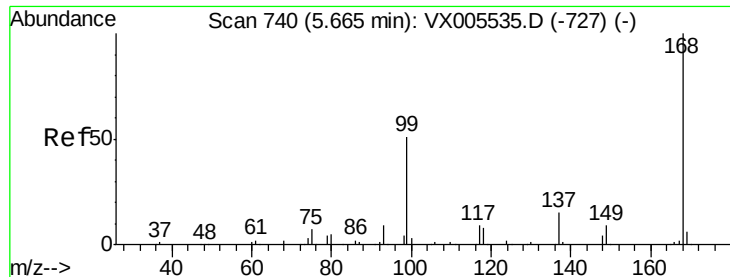
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\  
Data File : VX005603.D  
Acq On : 26 Oct 2018 14:29  
Operator : JC/MD  
Sample : J5675-05ME  
Misc : 6.03g/5ml/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13ME

Quant Time: Oct 27 04:44:56 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 25 02:52:45 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

Instrument :

MSVOA\_X

ClientSampleId :

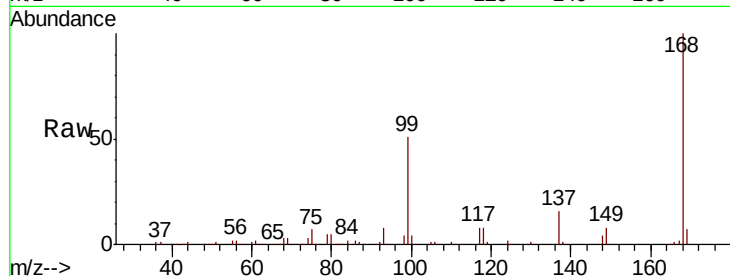
TP-13ME

Tot Ion:168 Resp: 210585

Ion Ratio Lower Upper

168 100

99 50.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

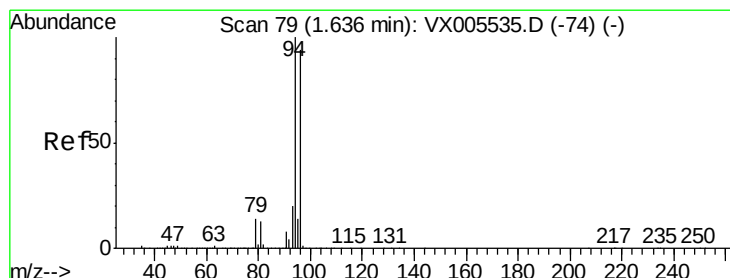
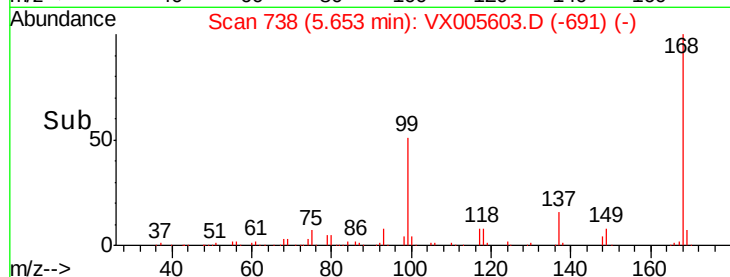
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.377 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX005603.D

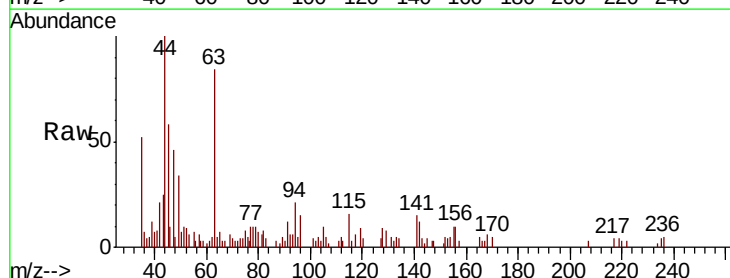
Acq: 26 Oct 2018 14:29

Tgt Ion: 94 Resp: 611

Ion Ratio Lower Upper

94 100

96 66.1 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

500

400

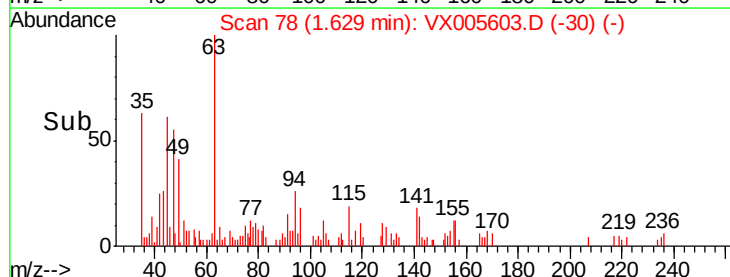
300

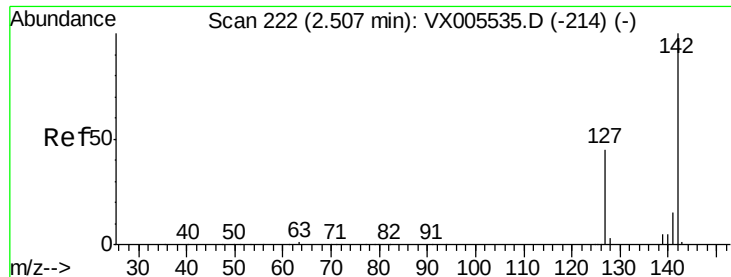
200

100

0

Time--> 1.60 1.65

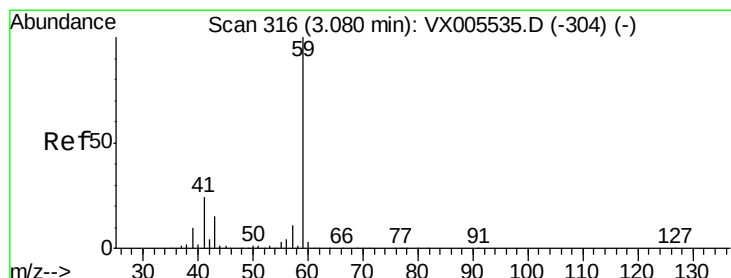
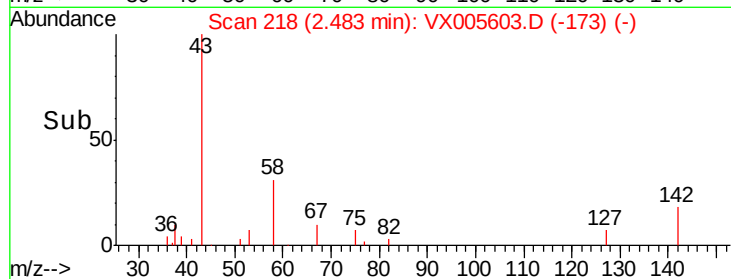
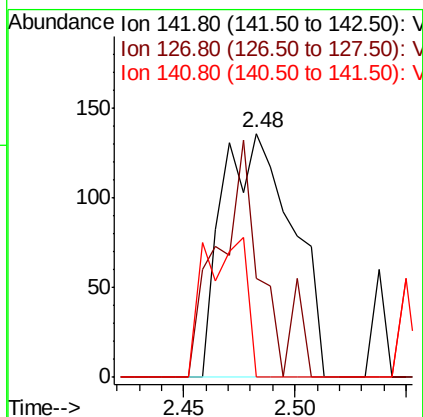
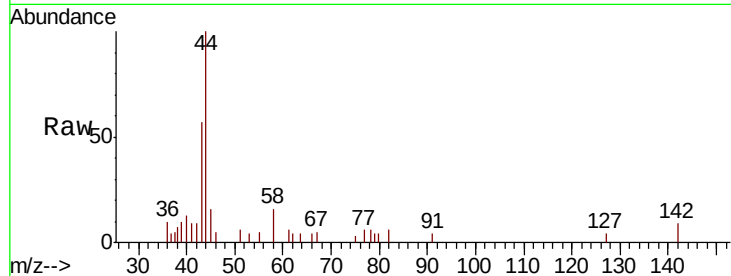




#10  
Methvl Iodide  
Concen: 2.855 ug/l  
RT: 2.48 min Scan# 218  
Delta R.T. -0.02 min  
Lab File: VX005603.D  
Acq: 26 Oct 2018 14:29

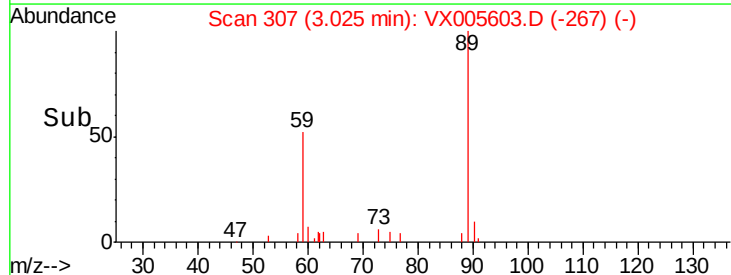
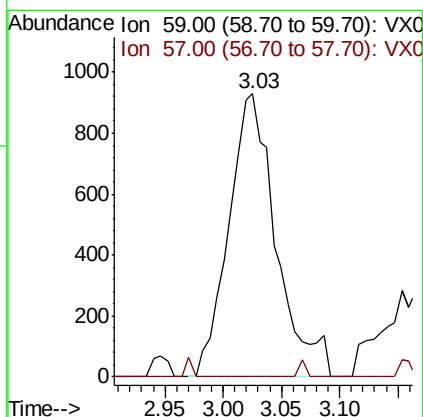
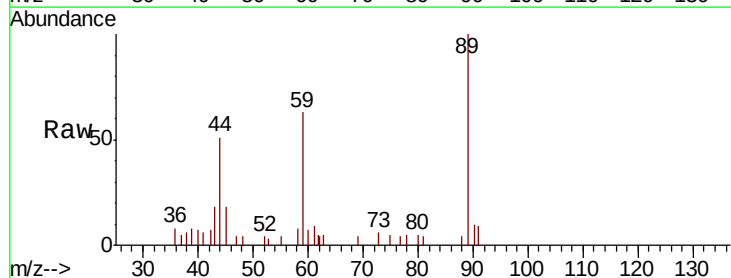
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13ME

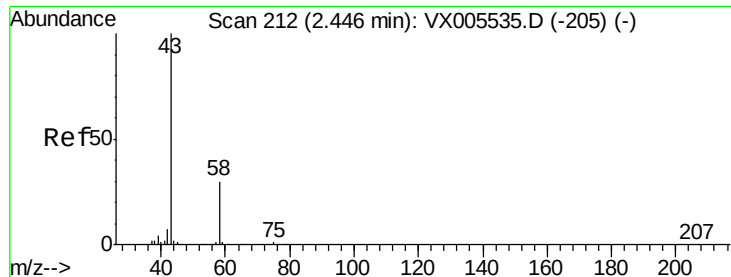
Tot Ion:142 Resp: 297  
Ion Ratio Lower Upper  
142 100  
127 60.9 36.0 54.0#  
141 34.0 11.7 17.5#



#11  
Tert butyl alcohol  
Concen: 3.790 ug/l  
RT: 3.03 min Scan# 307  
Delta R.T. -0.06 min  
Lab File: VX005603.D  
Acq: 26 Oct 2018 14:29

Tgt Ion: 59 Resp: 2622  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.259 ug/l

RT: 2.41 min Scan# 206

Delta R.T. -0.04 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

Instrument :

MSVOA\_X

ClientSampleId :

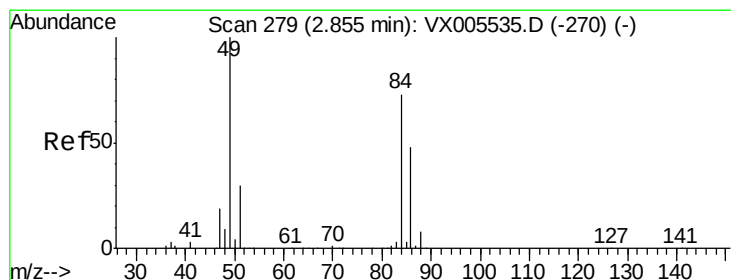
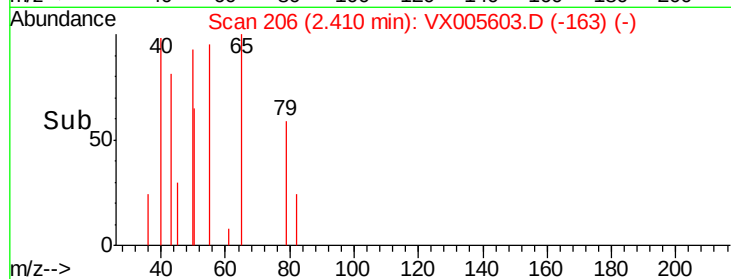
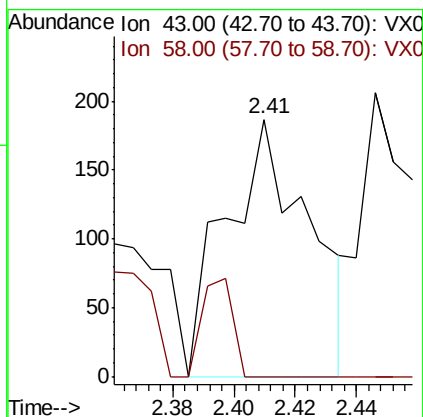
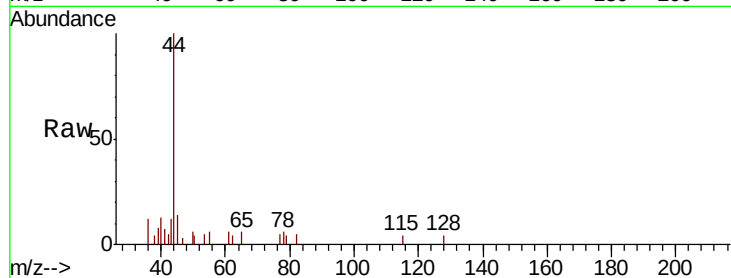
TP-13ME

Tot Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.6#



#20

Methylene Chloride

Concen: 0.342 ug/l

RT: 2.84 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

Tgt Ion: 84 Resp: 778

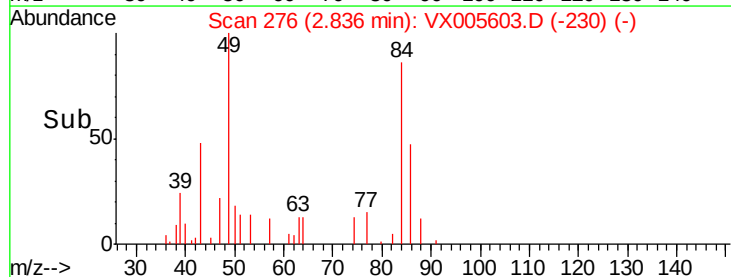
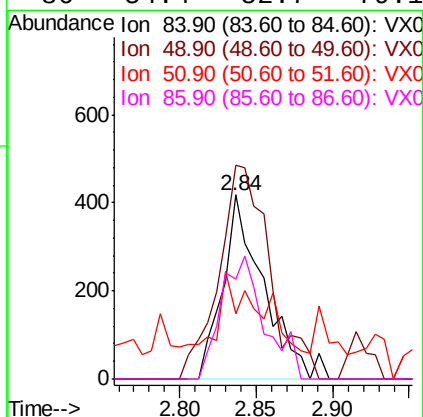
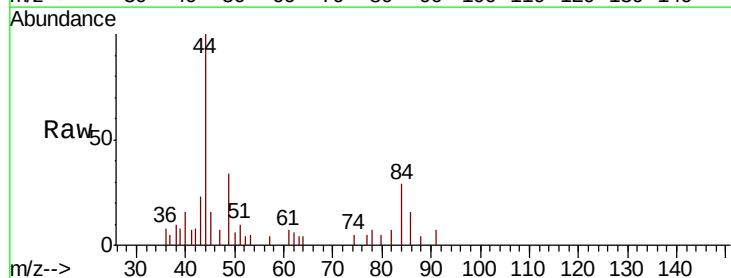
Ion Ratio Lower Upper

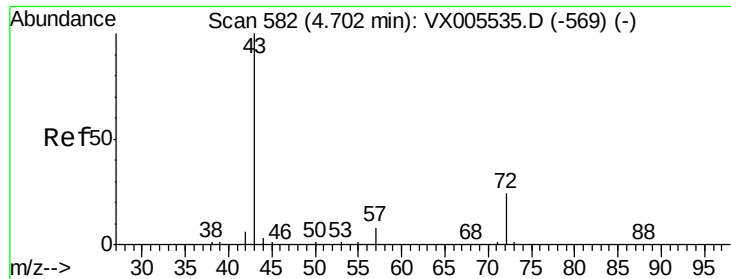
84 100

49 116.3 109.5 164.3

51 16.8 33.3 49.9#

86 54.4 52.7 79.1

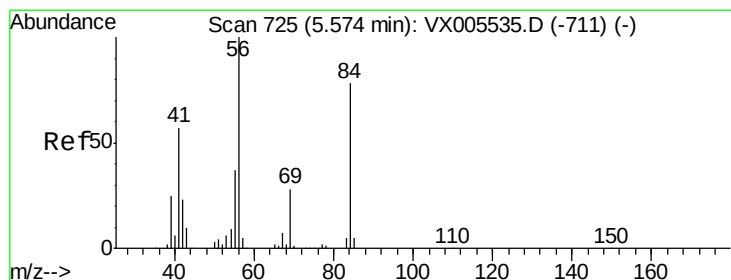
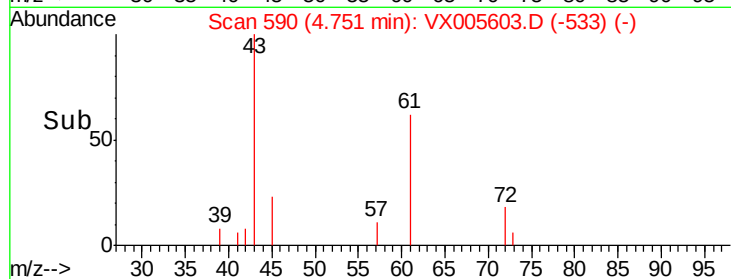
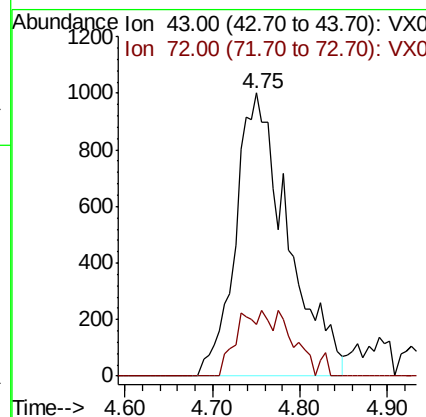
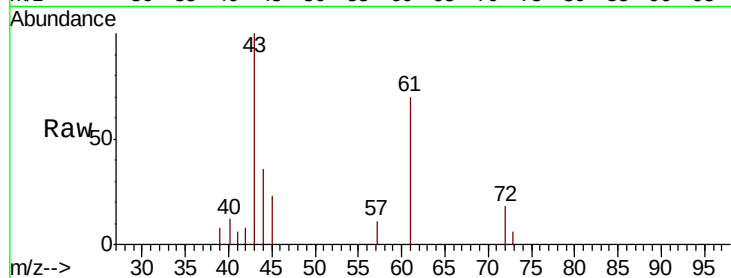




#25  
 2-Butanone  
 Concen: 2.009 ug/l  
 RT: 4.75 min Scan# 590  
 Delta R.T. 0.05 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

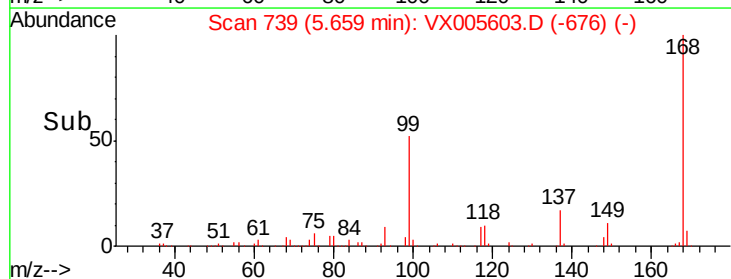
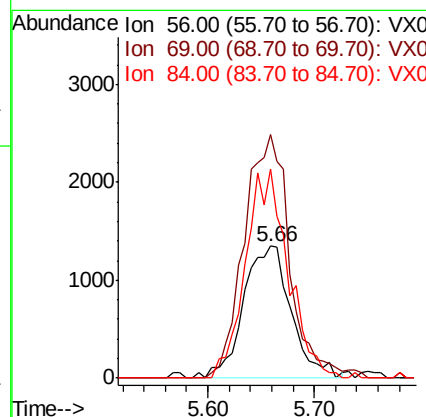
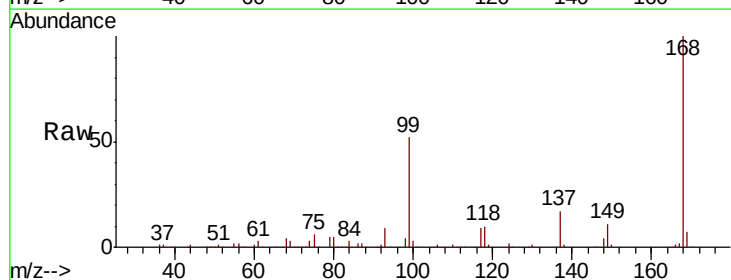
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-13ME

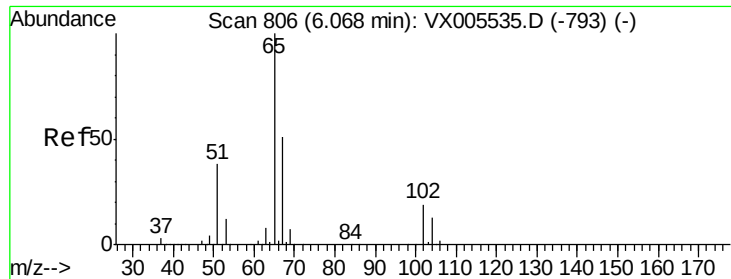
Tot Ion: 43 Resp: 4156  
 Ion Ratio Lower Upper  
 43 100  
 72 18.2 19.2 28.8#



#31  
 Cyclohexane  
 Concen: 1.218 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. 0.09 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

Tgt Ion: 56 Resp: 4220  
 Ion Ratio Lower Upper  
 56 100  
 69 184.8 22.6 34.0#  
 84 158.4 62.7 94.1#

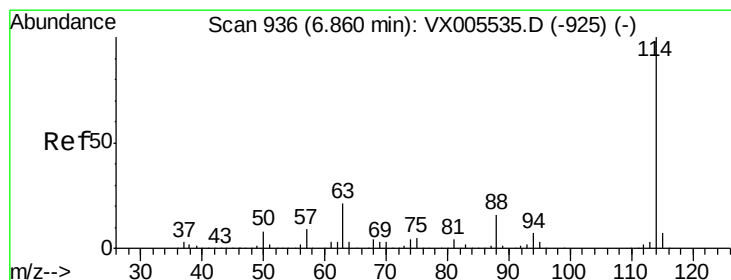
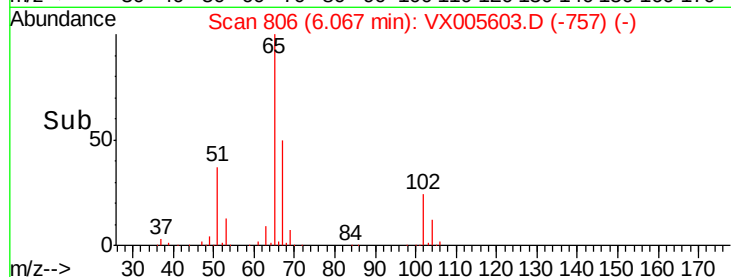
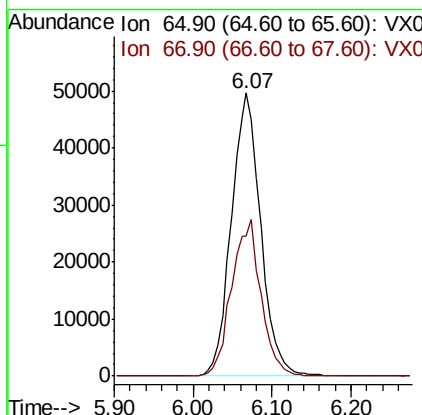
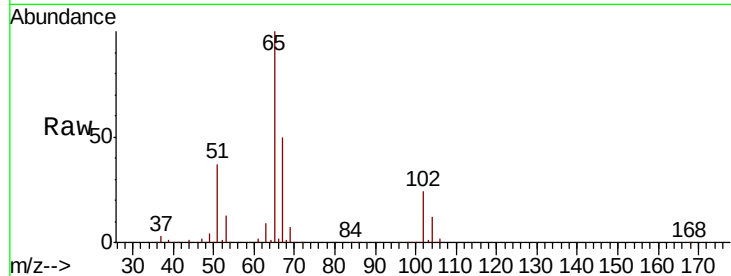




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.876 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

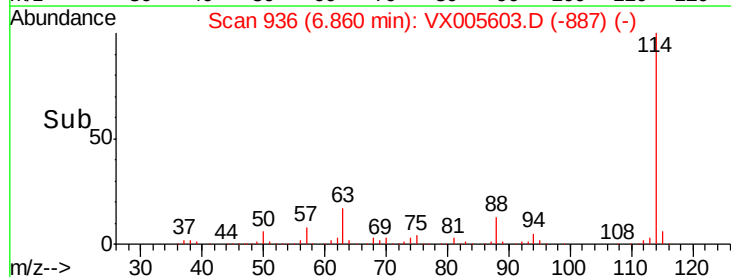
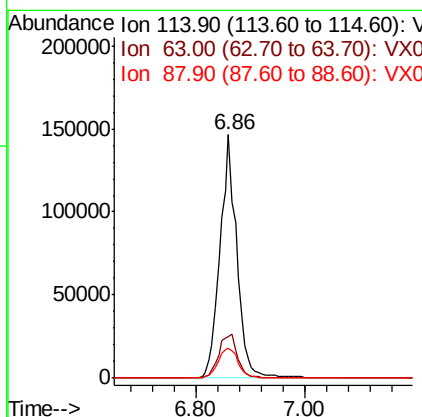
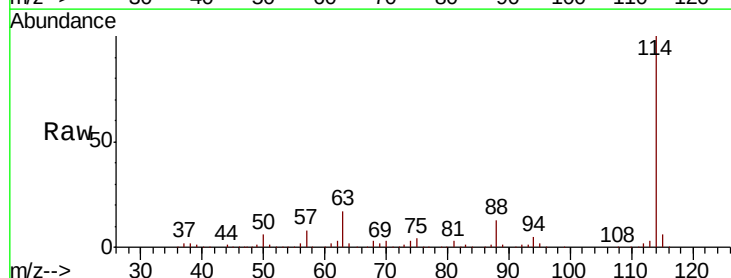
Instrument :  
 MSVOA\_X  
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 TP-13ME

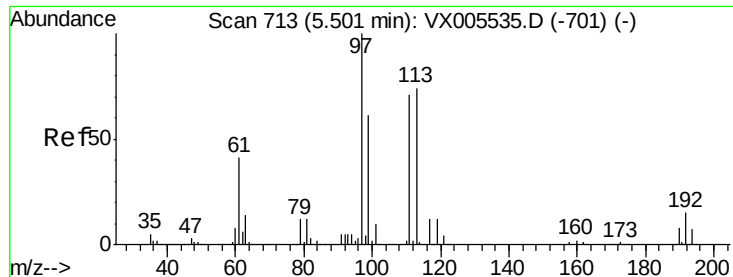
Tot Ion: 65 Resp: 128210  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

Tgt Ion: 114 Resp: 316585  
 Ion Ratio Lower Upper  
 114 100  
 63 16.8 0.0 42.8  
 88 12.5 0.0 31.2

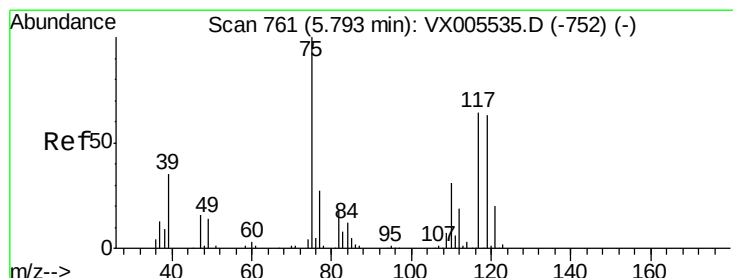
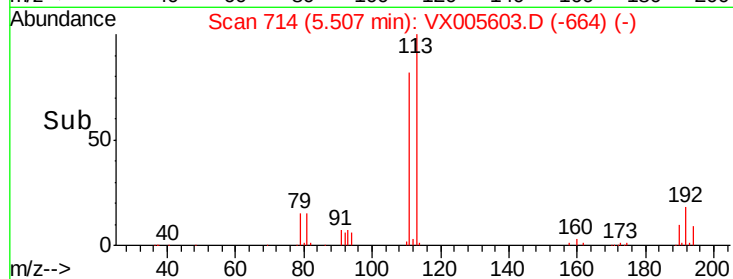
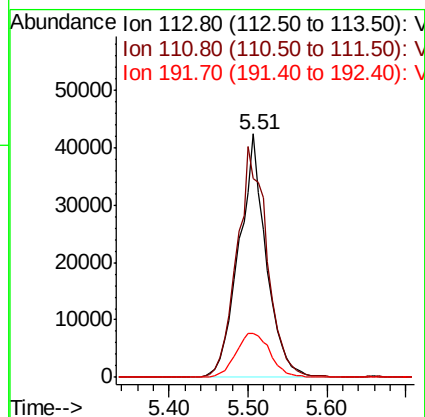
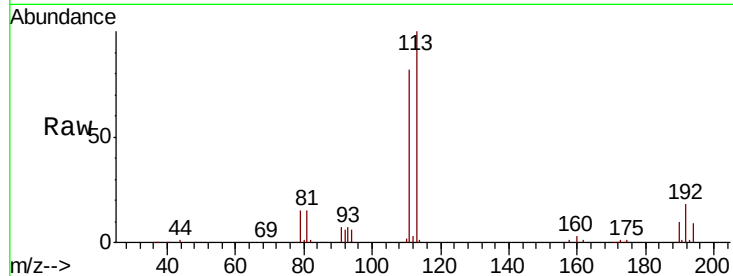




#35  
 Dibromofluoromethane  
 Concen: 47.183 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

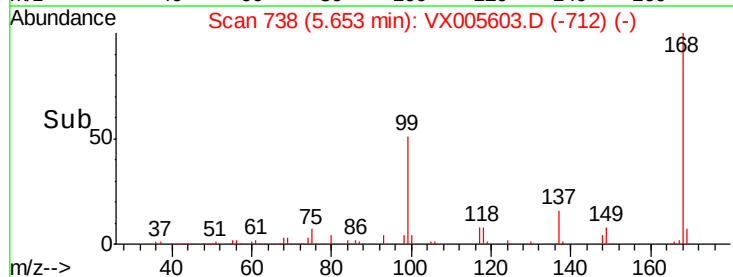
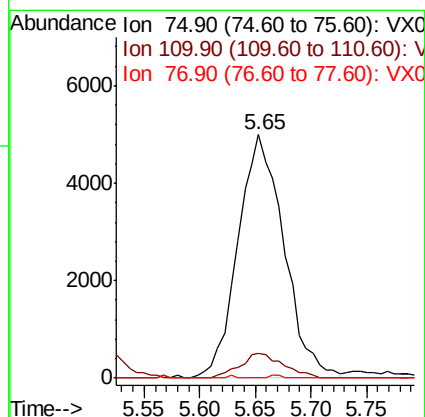
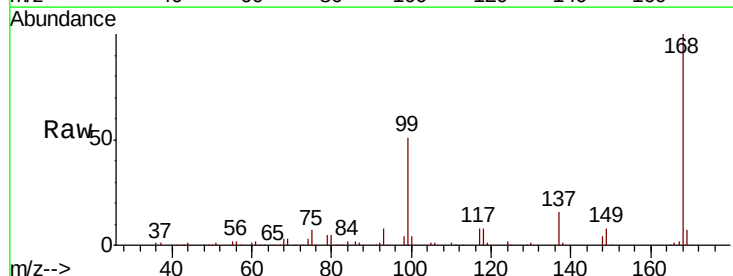
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-13ME

Tot Ion:113 Resp: 101144  
 Ion Ratio Lower Upper  
 113 100  
 111 105.9 82.3 123.5  
 192 23.1 17.9 26.9

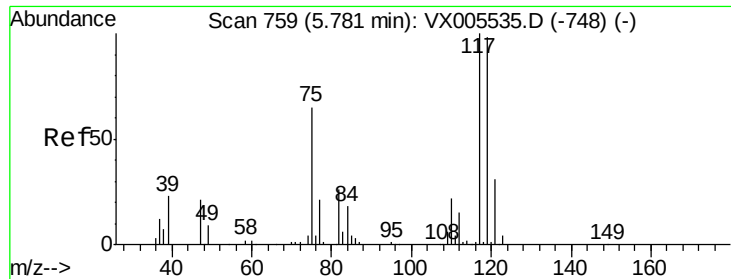


#36  
 1,1-Dichloropropene  
 Concen: 4.662 ug/l  
 RT: 5.65 min Scan# 738  
 Delta R.T. -0.14 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

Tgt Ion: 75 Resp: 14322  
 Ion Ratio Lower Upper  
 75 100  
 110 9.7 17.4 52.2#  
 77 0.4 25.8 38.6#



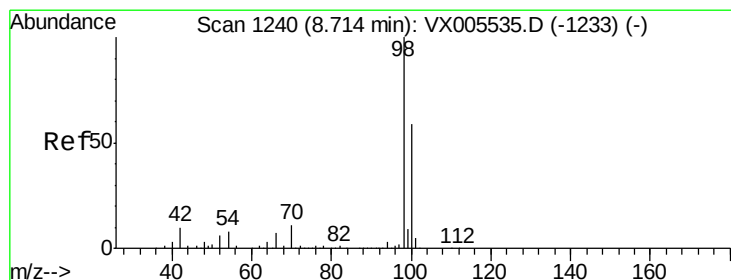
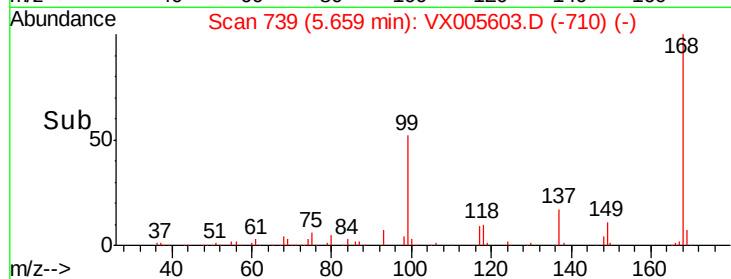
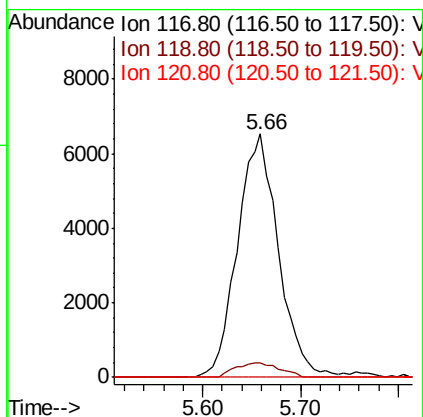
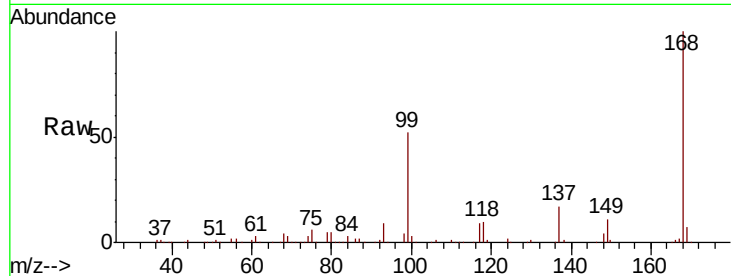




#38  
Carbon Tetrachloride  
Concen: 5.847 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. -0.12 min  
Lab File: VX005603.D  
Acq: 26 Oct 2018 14:29

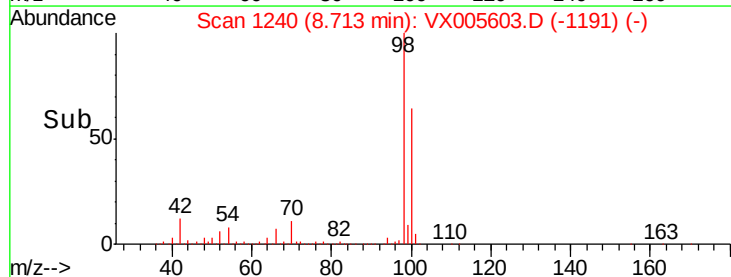
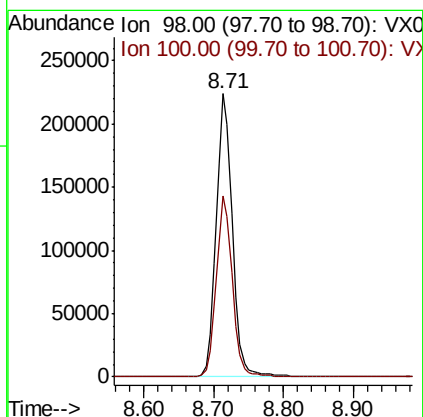
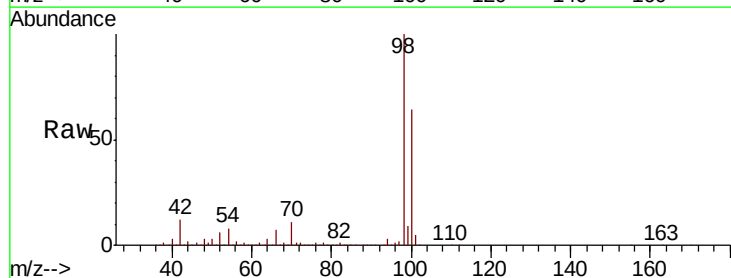
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13ME

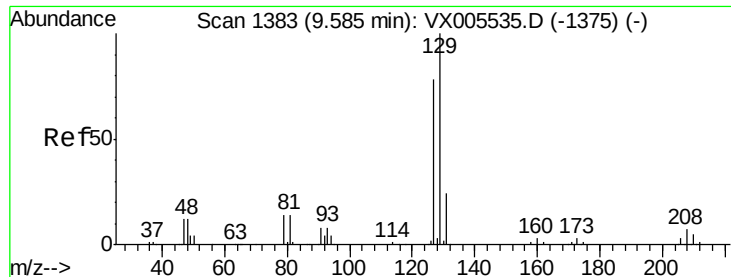
Tot Ion:117 Resp: 18919  
Ion Ratio Lower Upper  
117 100  
119 5.8 78.1 117.1#  
121 0.0 24.6 36.8#



#50  
Toluene-d8  
Concen: 46.761 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX005603.D  
Acq: 26 Oct 2018 14:29

Tgt Ion: 98 Resp: 360182  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.3 76.9

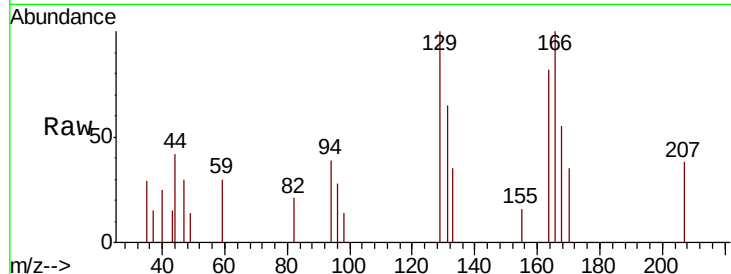




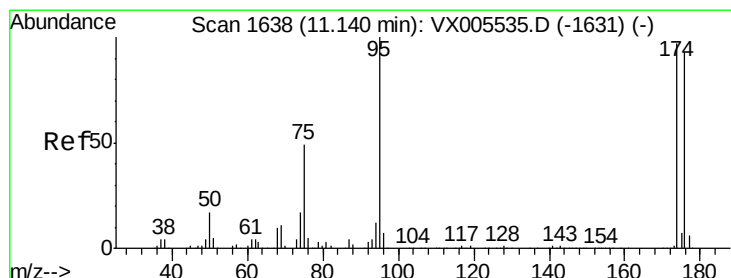
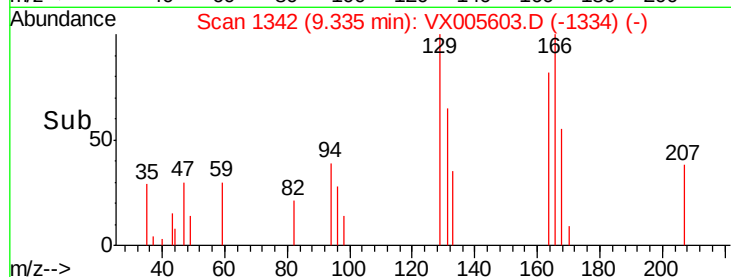
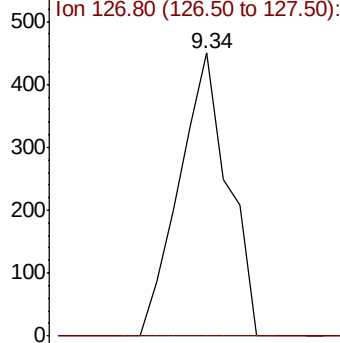
#60  
 Dibromochloromethane  
 Concen: 0.237 ug/l  
 RT: 9.34 min Scan# 1342  
 Delta R.T. -0.25 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-13ME

Tot Ion:129 Resp: 558  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 38.9 116.7#

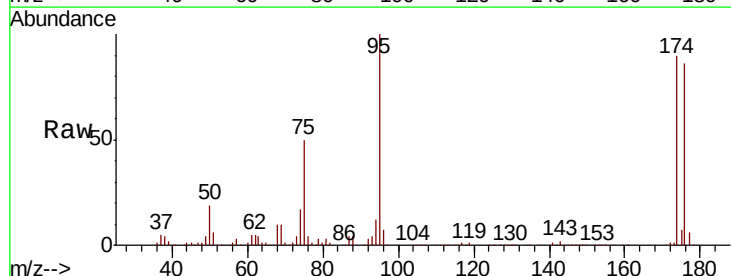


Abundance Ion 128.80 (128.50 to 129.50): V  
 Ion 126.80 (126.50 to 127.50): V

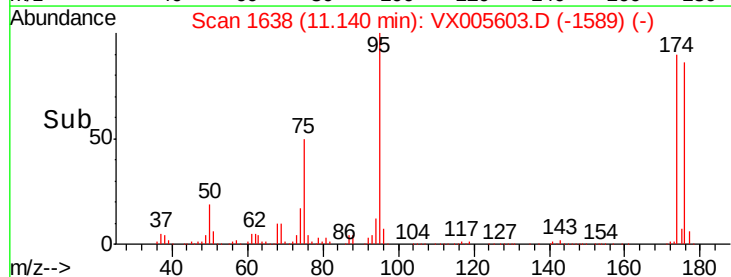
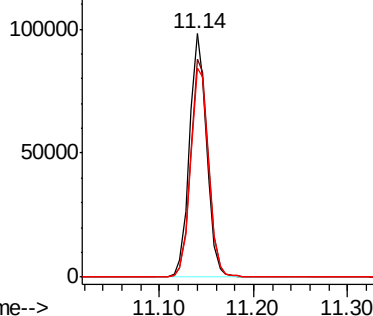


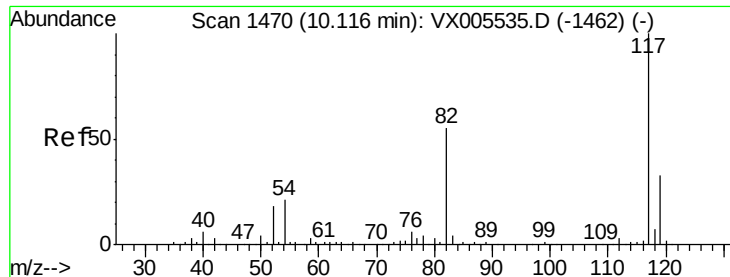
#62  
 4-Bromofluorobenzene  
 Concen: 42.662 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. -0.00 min  
 Lab File: VX005603.D  
 Acq: 26 Oct 2018 14:29

Tgt Ion: 95 Resp: 124097  
 Ion Ratio Lower Upper  
 95 100  
 174 93.1 0.0 184.4  
 176 89.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0  
 Ion 173.80 (173.50 to 174.50): V  
 Ion 175.80 (175.50 to 176.50): V

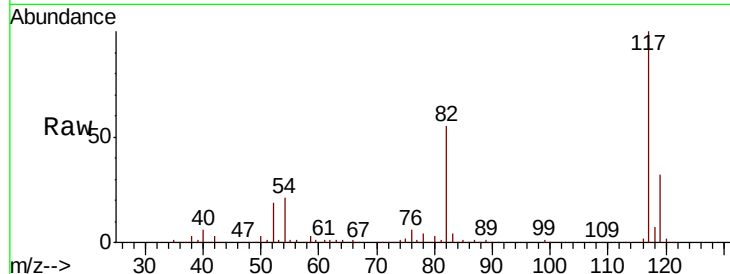




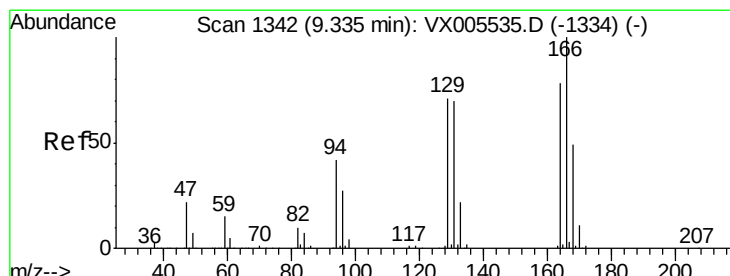
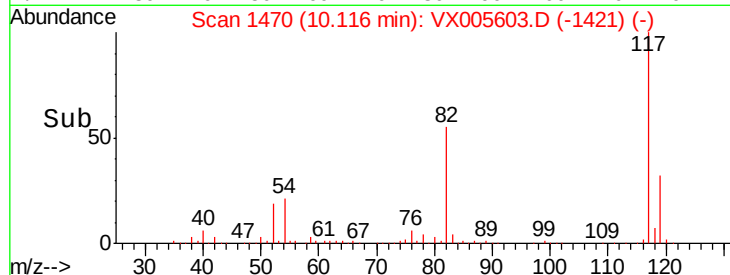
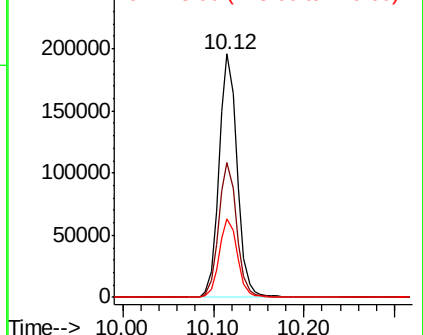
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005603.D  
Acq: 26 Oct 2018 14:29

Instrument :  
MSVOA\_X  
ClientSampled :  
TP-13ME

Tot Ion:117 Resp: 274534  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.1 66.1  
119 32.2 26.2 39.2

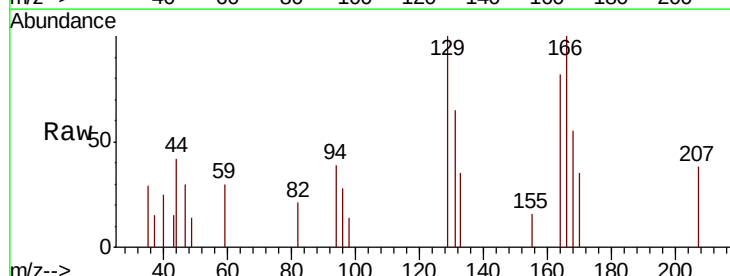


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

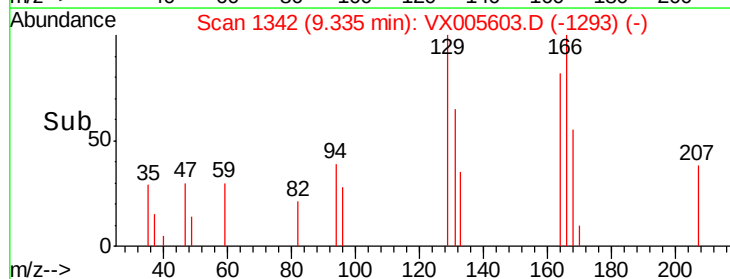
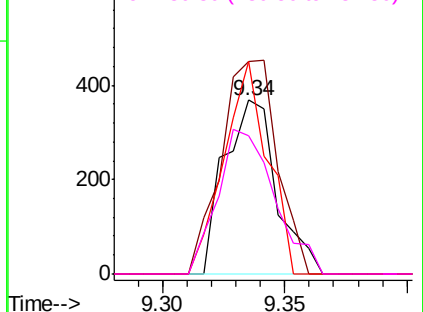


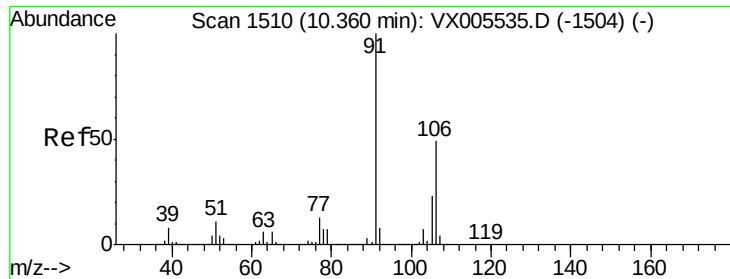
#64  
Tetrachloroethene  
Concen: 0.240 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX005603.D  
Acq: 26 Oct 2018 14:29

Tgt Ion:164 Resp: 547  
Ion Ratio Lower Upper  
164 100  
166 122.6 101.9 152.9  
129 122.3 72.6 109.0#  
131 79.3 71.1 106.7



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





#68

m/p-Xvlenes

Concen: 0.247 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

Instrument :

MSVOA\_X

ClientSampled :

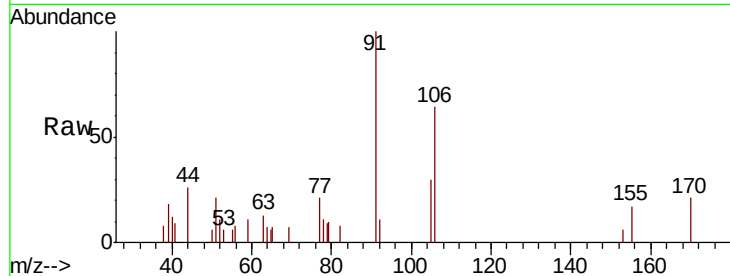
TP-13ME

Tot Ion:106 Resp: 921

Ion Ratio Lower Upper

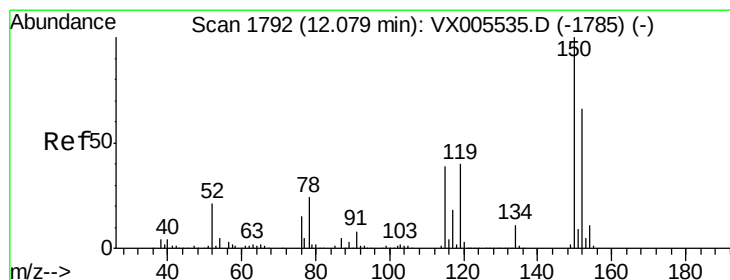
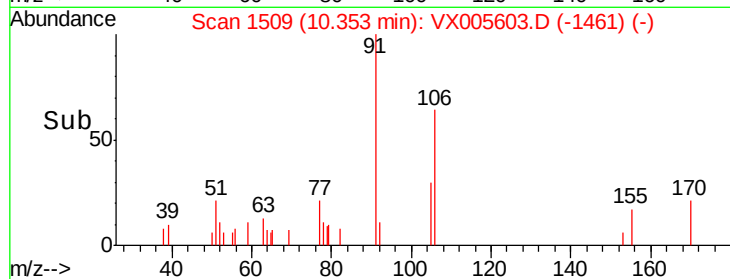
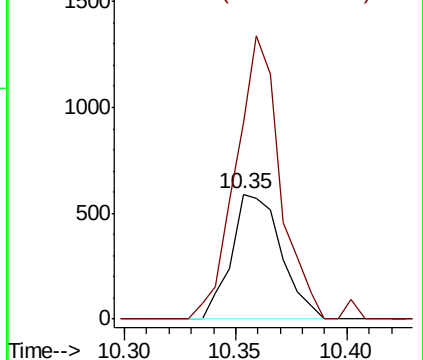
106 100

91 201.5 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

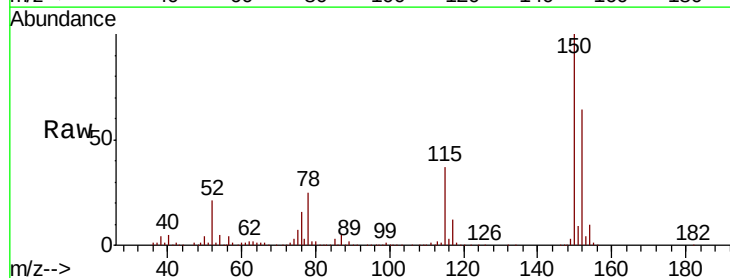
Tgt Ion:152 Resp: 143325

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

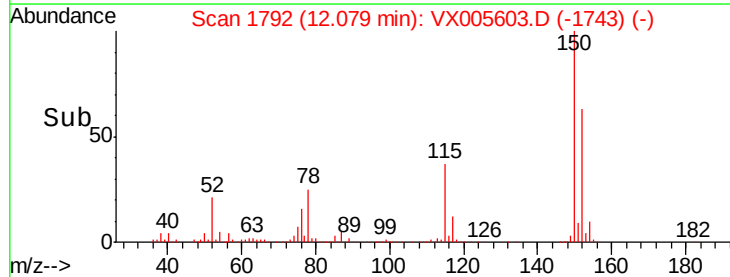
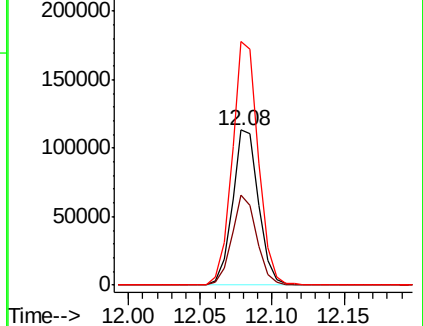
150 156.9 0.0 346.4

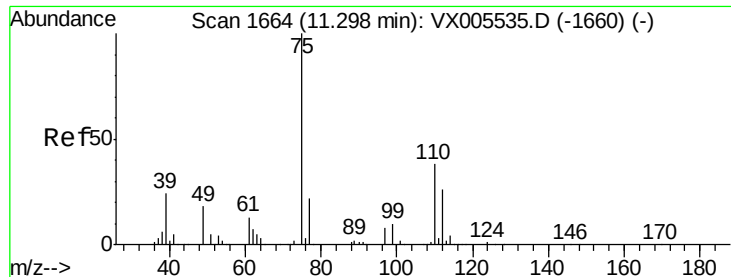


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.641 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

Instrument :

MSVOA\_X

ClientSampled :

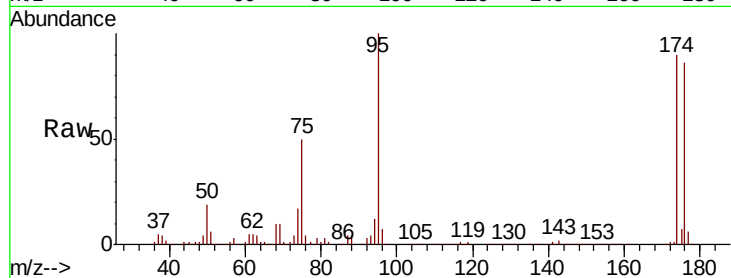
TP-13ME

Tot Ion: 75 Resp: 62682

Ion Ratio Lower Upper

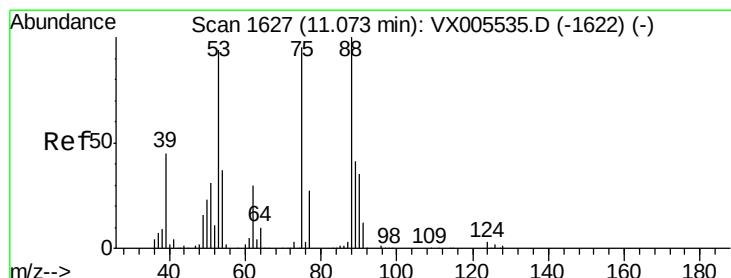
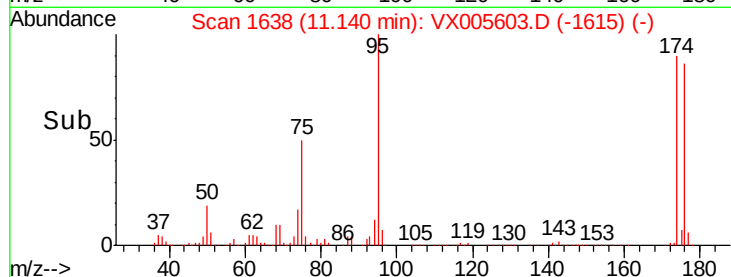
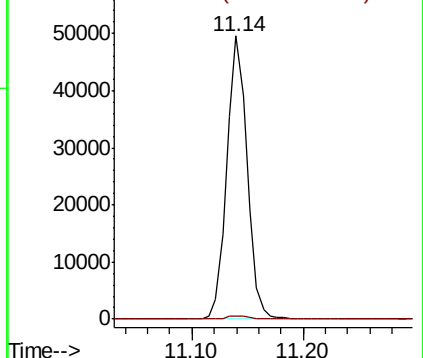
75 100

77 1.3 20.5 61.6#



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: 67.446 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

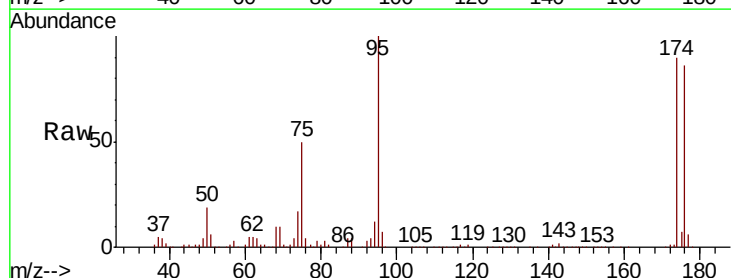
Tgt Ion: 75 Resp: 62682

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

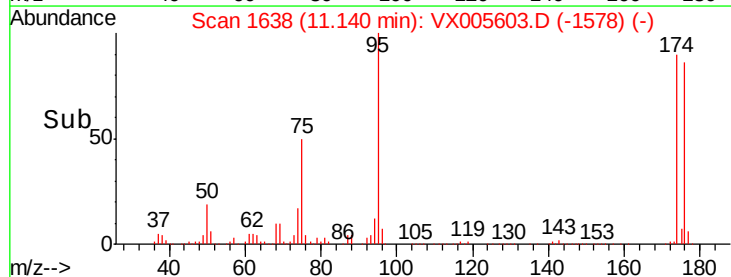
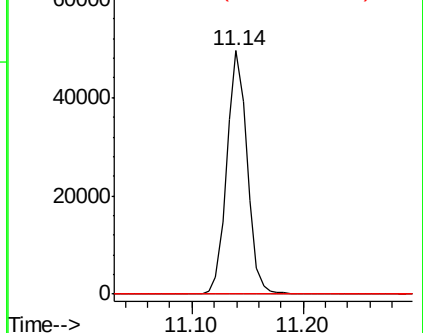
89 0.0 39.8 59.8#

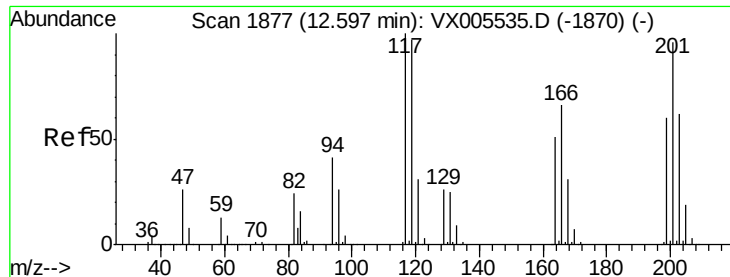


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.234 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

Instrument :

MSVOA\_X

ClientSampleId :

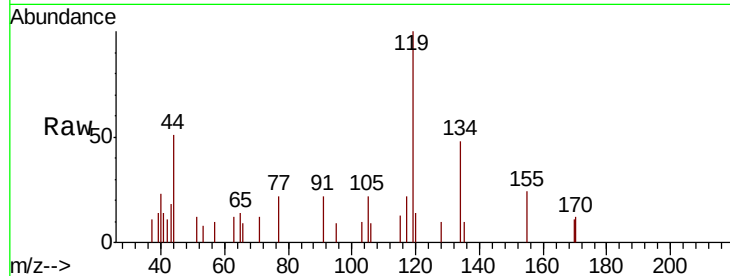
TP-13ME

Tot Ion:117 Resp: 322

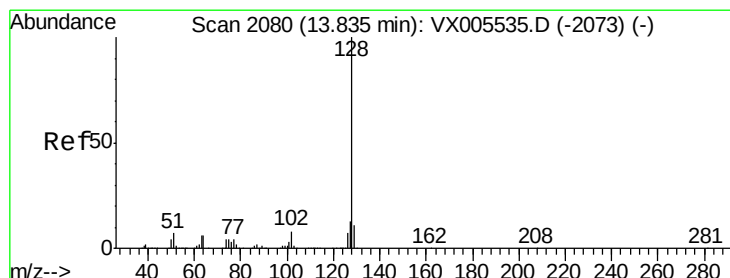
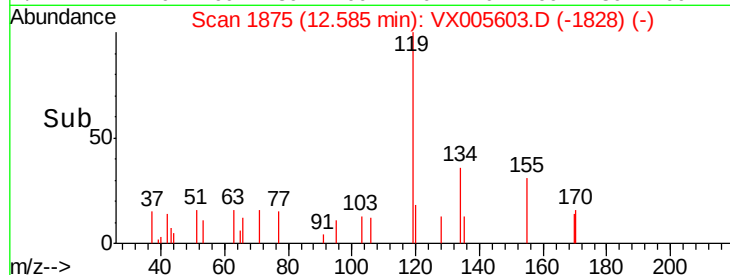
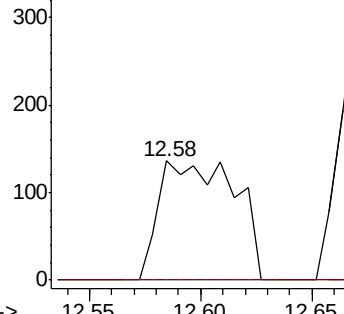
Ion Ratio Lower Upper

117 100

201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.619 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005603.D

Acq: 26 Oct 2018 14:29

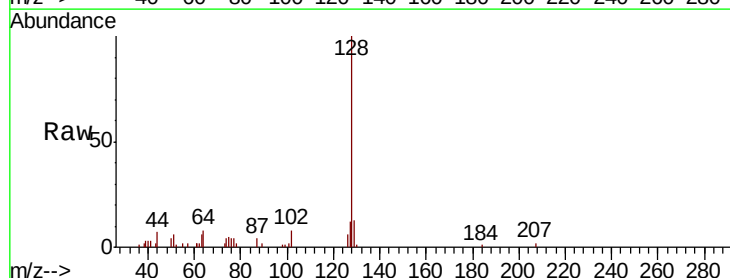
Tgt Ion:128 Resp: 6060

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 13.2 8.7 13.1#



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

