

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\  
 Data File : VX008754.D  
 Acq On : 08 Apr 2019 18:46  
 Operator : JC/SP  
 Sample : K2294-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-14-D

Quant Time: Apr 09 09:22:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 180156   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 304086   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 257065   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 106343   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 126114   | 47.99 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.98% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 91794    | 47.21 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.42% |      |
| 50) Toluene-d8            | 8.71   | 98  | 378082   | 48.84 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.68% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 122553   | 44.64 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.28% |      |

## Target Compounds

|                                |       |     |        |               | Qvalue |  |
|--------------------------------|-------|-----|--------|---------------|--------|--|
| 3) Chloromethane               | 1.32  | 50  | 437    | Below Cal     | 98     |  |
| 5) Bromomethane                | 1.64  | 94  | 537    | 2.260 ug/l    | 96     |  |
| 6) Chloroethane                | 1.73  | 64  | 165    | Below Cal     | 91     |  |
| 8) Diethyl Ether               | 2.19  | 74  | 1012   | 0.689 ug/l    | 79     |  |
| 10) Methyl Iodide              | 2.51  | 142 | 89     | 4.048 ug/l #  | 42     |  |
| 11) Tert butyl alcohol         | 3.06  | 59  | 2131   | 3.464 ug/l #  | 93     |  |
| 13) Acrolein                   | 2.30  | 56  | 272    | 0.892 ug/l #  | 82     |  |
| 14) Allyl chloride             | 2.85  | 41  | 17669  | 3.706 ug/l #  | 30     |  |
| 16) Acetone                    | 2.45  | 43  | 17646  | 11.659 ug/l   | 97     |  |
| 17) Carbon Disulfide           | 2.57  | 76  | 997    | Below Cal #   | 66     |  |
| 18) Methyl Acetate             | 2.78  | 43  | 6007   | 1.637 ug/l    | 99     |  |
| 20) Methylene Chloride         | 2.85  | 84  | 354161 | 139.799 ug/l  | 98     |  |
| 25) 2-Butanone                 | 4.70  | 43  | 4117   | 1.721 ug/l    | 98     |  |
| 28) Bromochloromethane         | 5.03  | 49  | 131    | Below Cal #   | 41     |  |
| 29) Tetrahydrofuran            | 5.15  | 42  | 1855   | 1.168 ug/l #  | 82     |  |
| 30) Chloroform                 | 5.23  | 83  | 1041   | 0.256 ug/l    | 90     |  |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 14491  | 4.360 ug/l #  | 51     |  |
| 37) Ethyl Acetate              | 4.70  | 43  | 4117   | 0.928 ug/l #  | 71     |  |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 17405  | 6.327 ug/l #  | 15     |  |
| 43) Isopropyl Acetate          | 6.45  | 43  | 12016  | 1.729 ug/l    | 100    |  |
| 48) Methyl methacrylate        | 7.68  | 41  | 7137   | 2.030 ug/l #  | 18     |  |
| 49) 1,4-Dioxane                | 7.87  | 88  | 111    | 1.685 ug/l #  | 1      |  |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43  | 73645  | 16.460 ug/l # | 51     |  |
| 54) cis-1,3-Dichloropropene    | 8.62  | 75  | 31935  | 8.072 ug/l #  | 58     |  |
| 57) 1,3-Dichloropropane        | 9.54  | 76  | 4979   | 1.183 ug/l #  | 45     |  |
| 59) 2-Hexanone                 | 9.54  | 43  | 76523  | 22.008 ug/l # | 52     |  |
| 64) Tetrachloroethene          | 9.34  | 164 | 586    | 0.308 ug/l    | 88     |  |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75  | 62826  | 21.506 ug/l # | 34     |  |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105 | 4278   | 0.578 ug/l    | 96     |  |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75  | 62826  | 59.282 ug/l # | 9      |  |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105 | 5885   | 0.786 ug/l    | 99     |  |
| 90) Hexachloroethane           | 12.61 | 117 | 319    | 0.253 ug/l #  | 9      |  |
| 95) Naphthalene                | 13.83 | 128 | 17090  | 1.953 ug/l    | 98     |  |

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QLast Update : Thu Apr 04 04:47:41 2019  
Response via : Initial Calibration

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

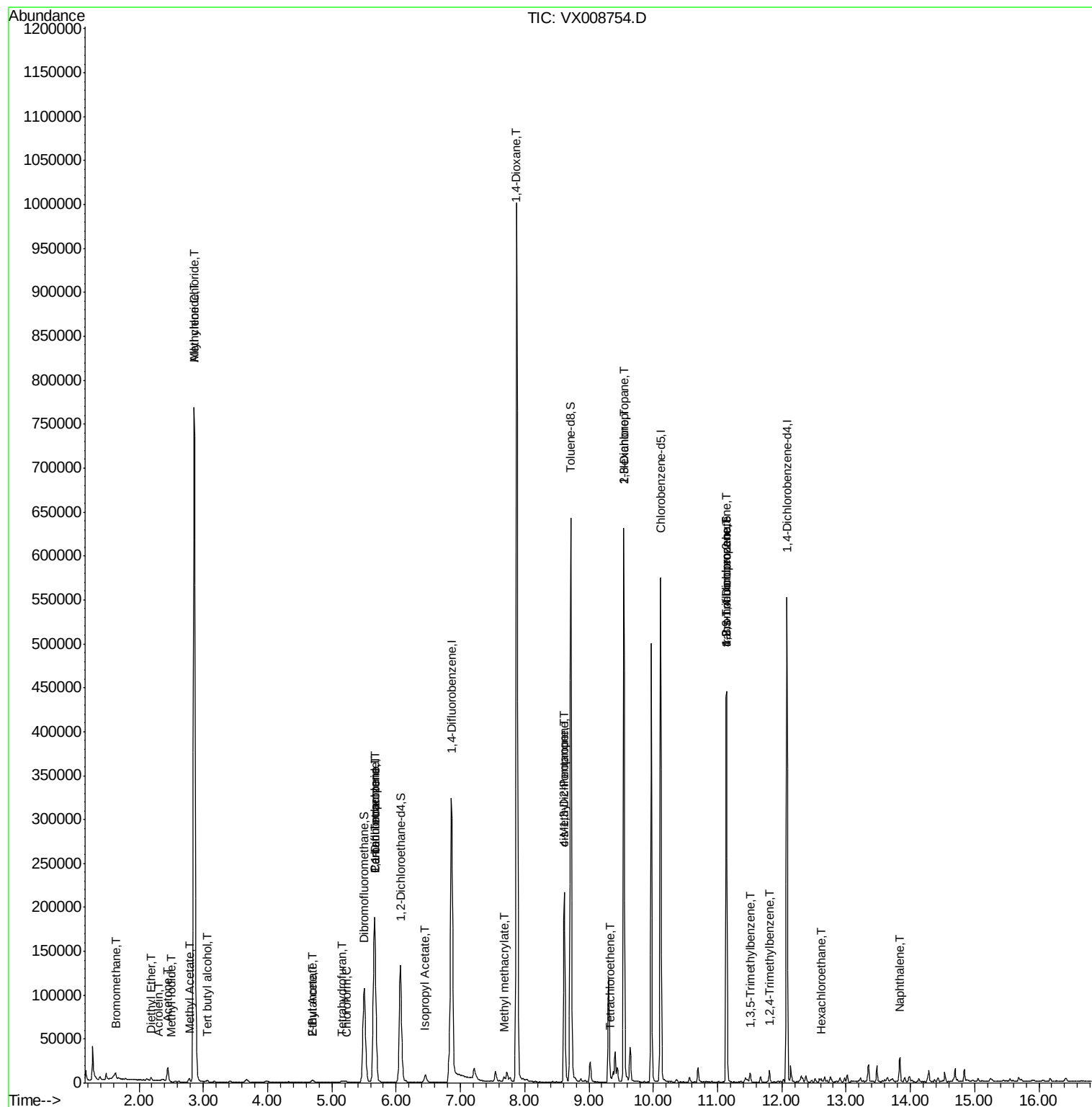
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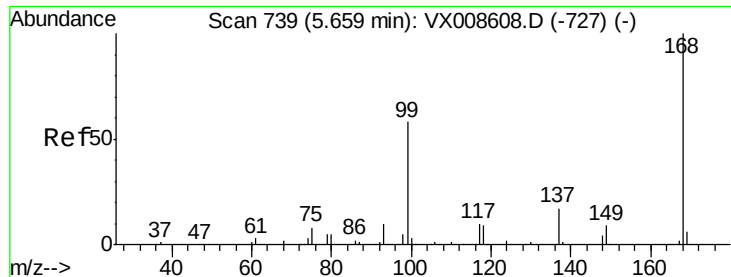
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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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: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

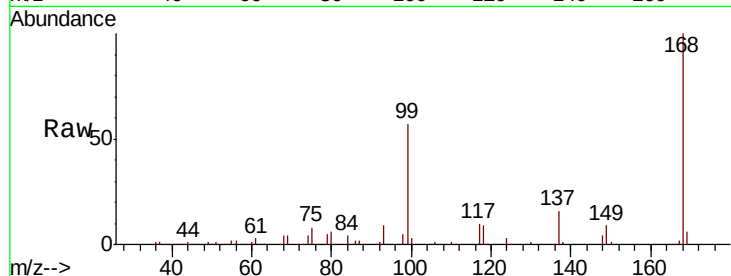
TP-14-D

Tot Ion:168 Resp: 180156

Ion Ratio Lower Upper

168 100

99 57.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008608.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX008608.D (-727) (-)

5.67

60000

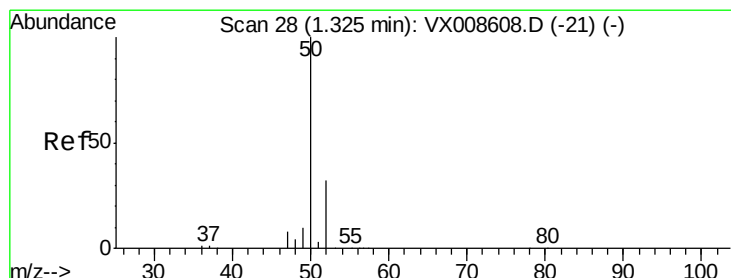
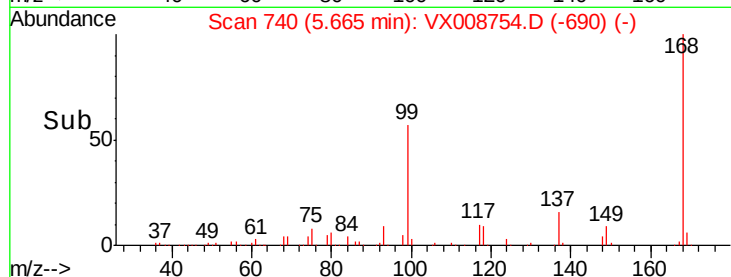
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008754.D

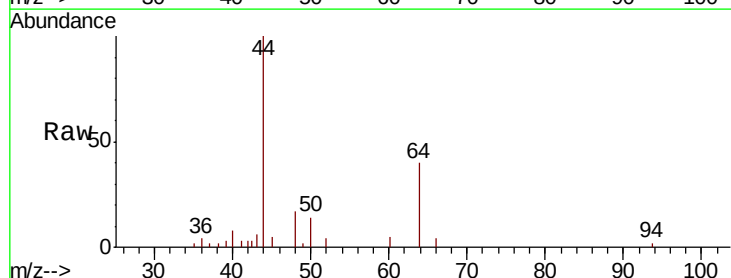
Acq: 08 Apr 2019 18:46

Tgt Ion: 50 Resp: 437

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX008608.D (-21) (-)

Ion 51.90 (51.60 to 52.60): VX008608.D (-21) (-)

1.32

400

300

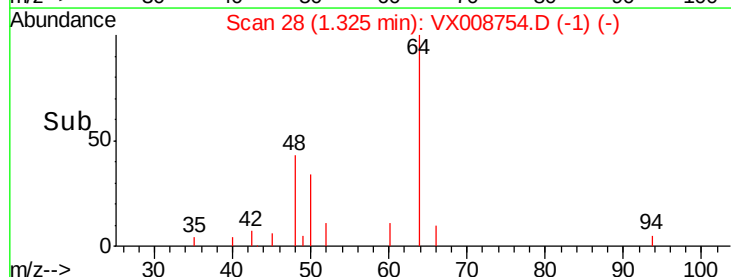
200

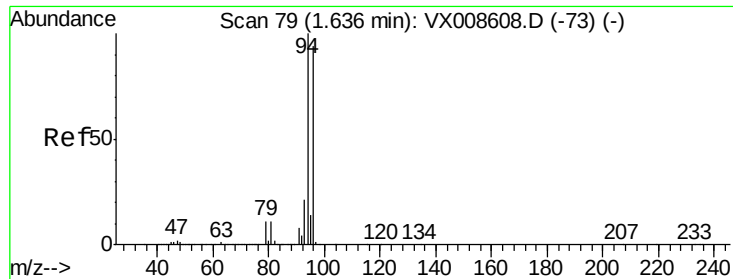
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 2.260 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

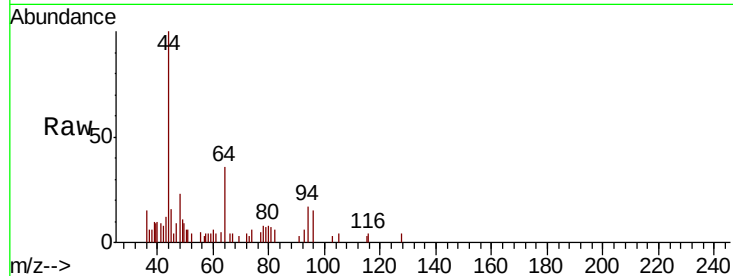
TP-14-D

Tot Ion: 94 Resp: 537

Ion Ratio Lower Upper

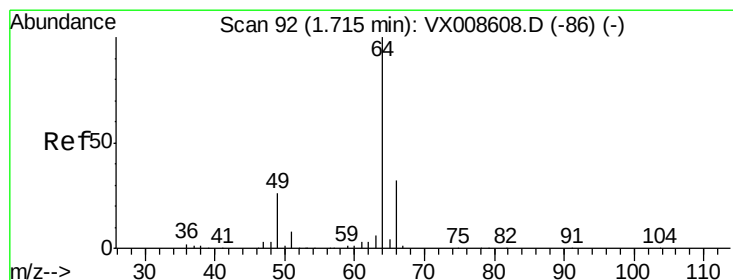
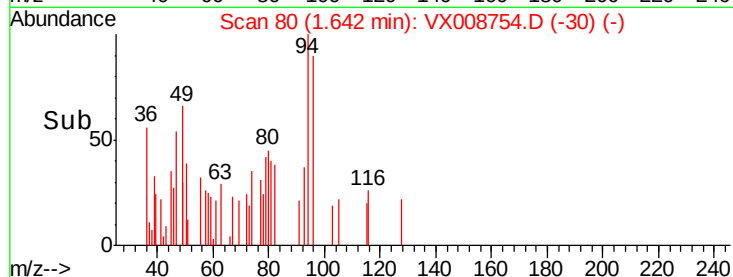
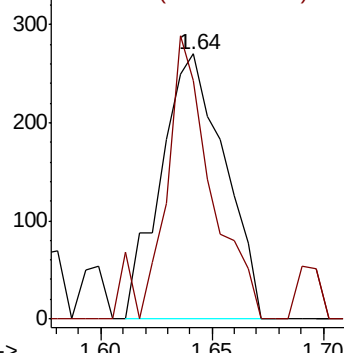
94 100

96 90.0 75.2 112.8



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# 94

Delta R.T. 0.01 min

Lab File: VX008754.D

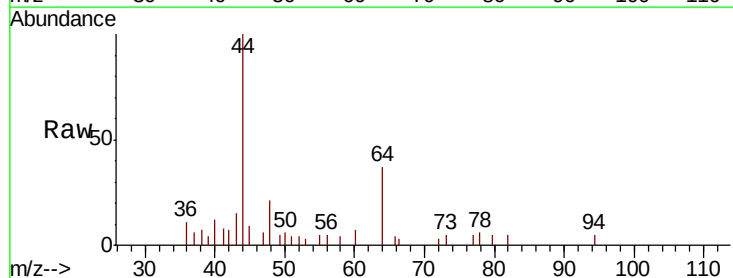
Acq: 08 Apr 2019 18:46

Tgt Ion: 64 Resp: 165

Ion Ratio Lower Upper

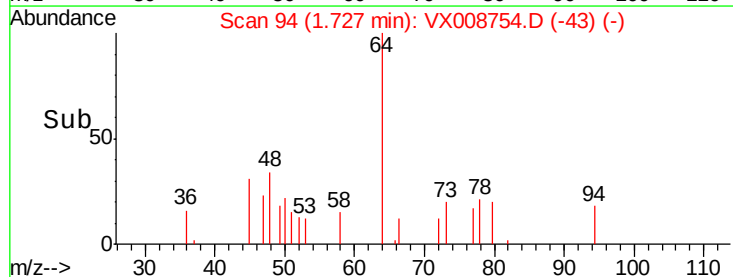
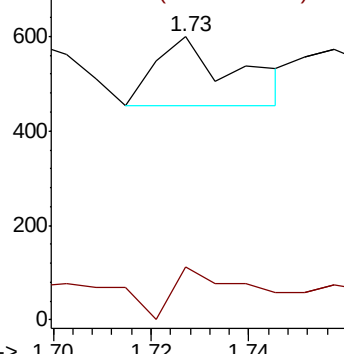
64 100

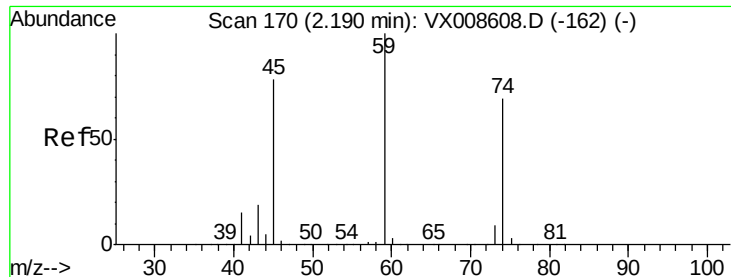
66 36.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.689 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampled :

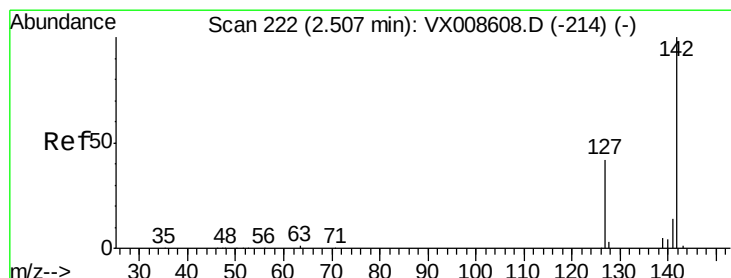
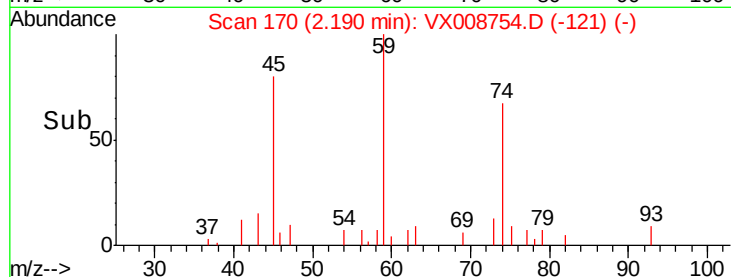
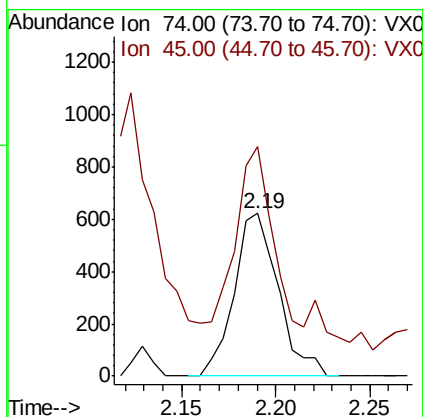
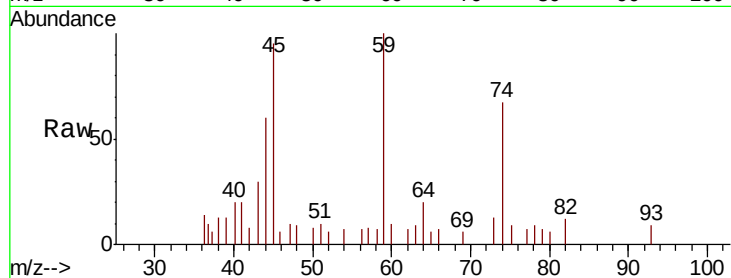
TP-14-D

Tot Ion: 74 Resp: 1012

Ion Ratio Lower Upper

74 100

45 90.9 56.5 169.5



#10

Methyl Iodide

Concen: 4.048 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

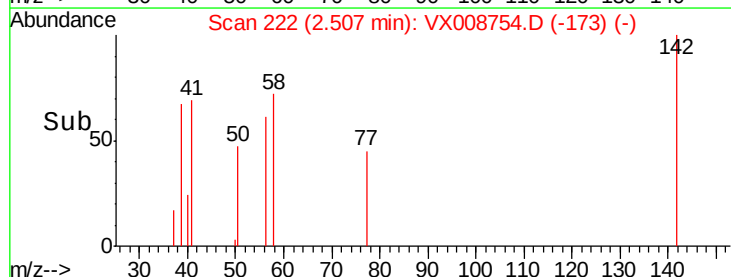
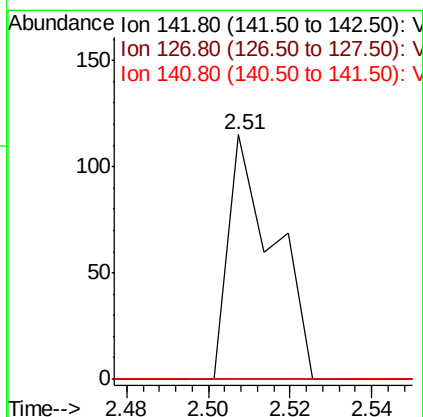
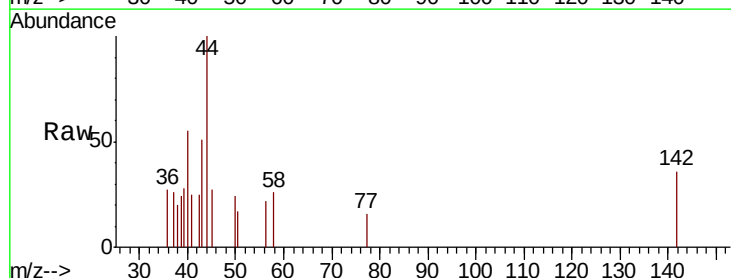
Tgt Ion: 142 Resp: 89

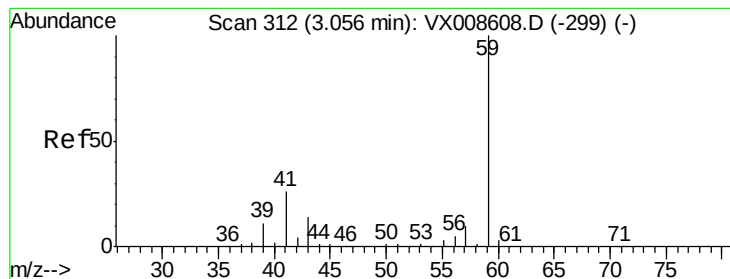
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 3.464 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.00 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampled :

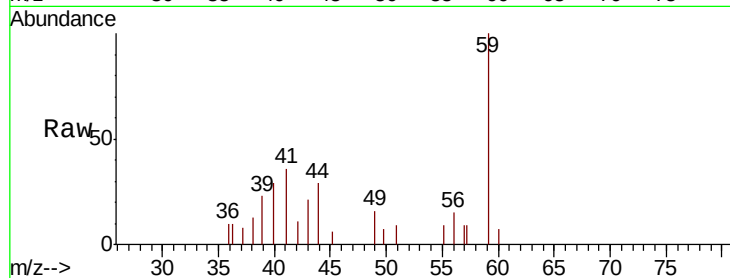
TP-14-D

Tot Ion: 59 Resp: 2131

Ion Ratio Lower Upper

59 100

57 13.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

800

600

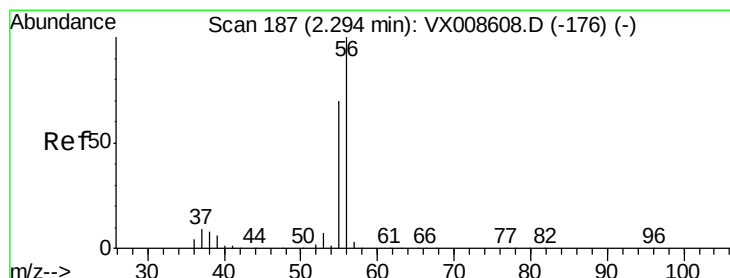
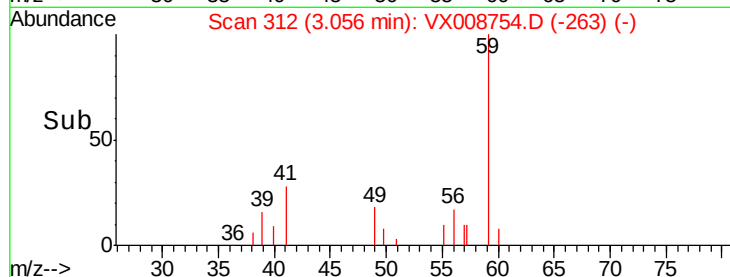
400

200

0

2.95 3.00 3.05 3.10 3.15

Time-->



#13

Acrolein

Concen: 0.892 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008754.D

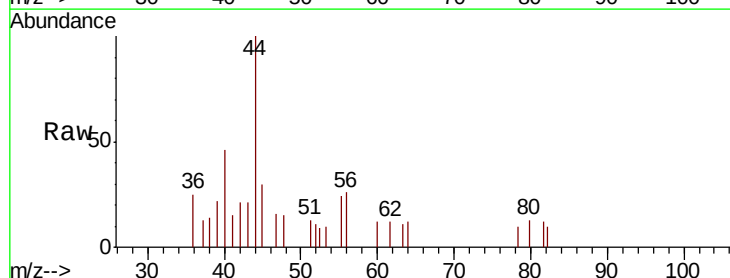
Acq: 08 Apr 2019 18:46

Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 87.9 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

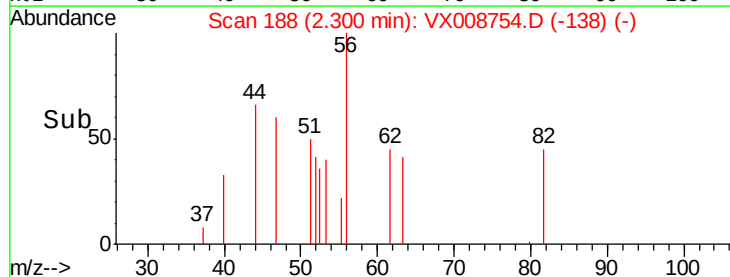
100

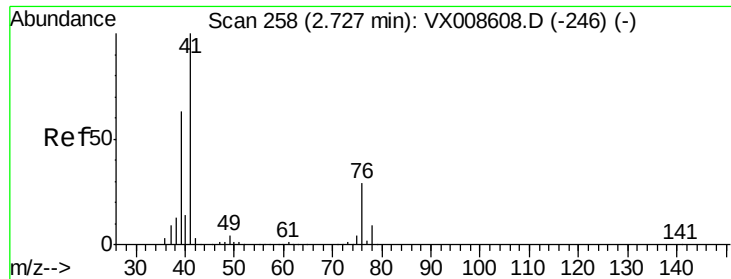
50

0

2.26 2.28 2.30 2.32 2.34

Time-->

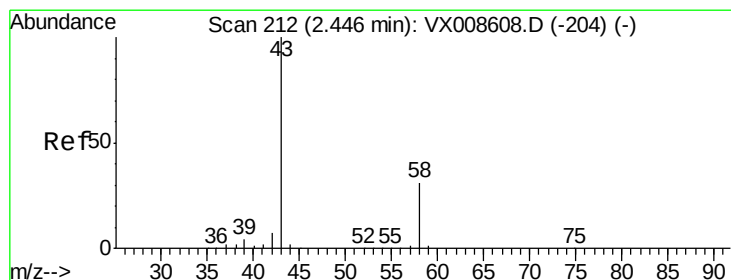
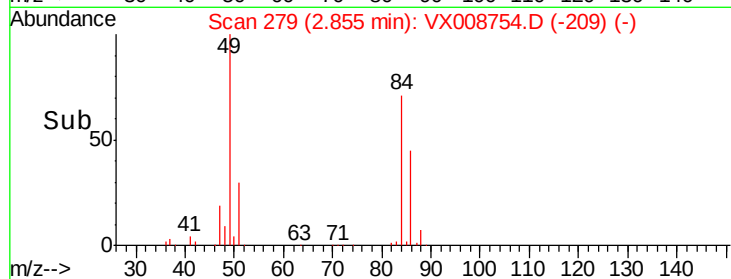
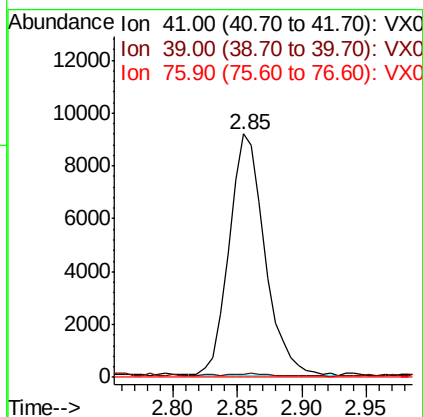
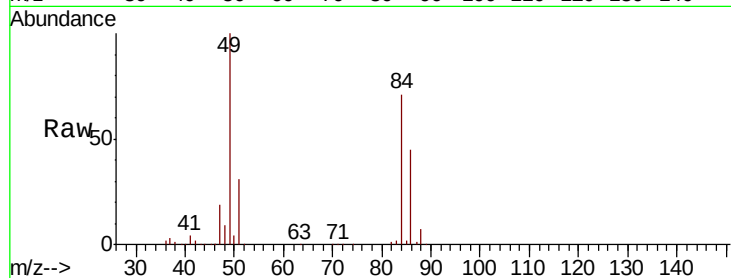




#14  
Allvl chloride  
Concen: 3.706 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.13 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

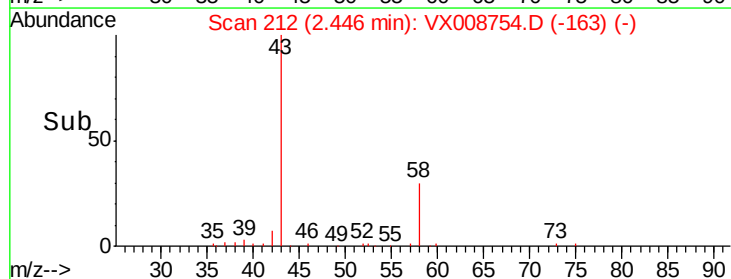
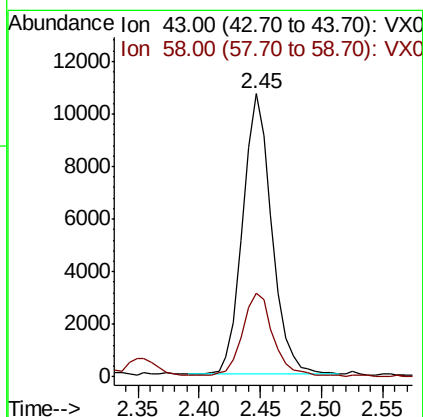
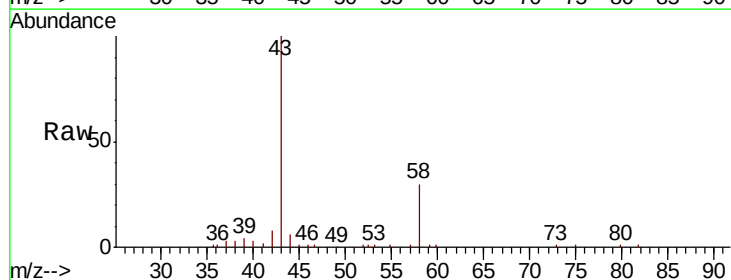
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-14-D

Tot Ion: 41 Resp: 17669  
Ion Ratio Lower Upper  
41 100  
39 0.6 48.0 72.0#  
76 0.0 22.0 33.0#

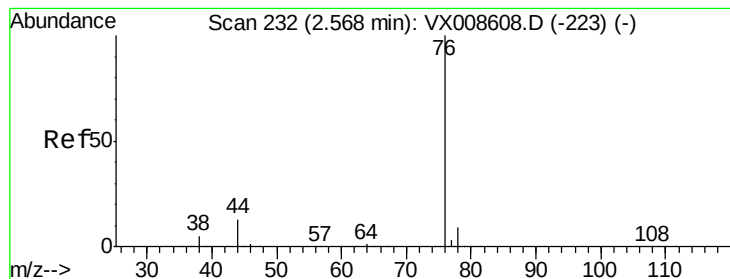


#16  
Acetone  
Concen: 11.659 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Tgt Ion: 43 Resp: 17646  
Ion Ratio Lower Upper  
43 100  
58 29.4 24.8 37.2







#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

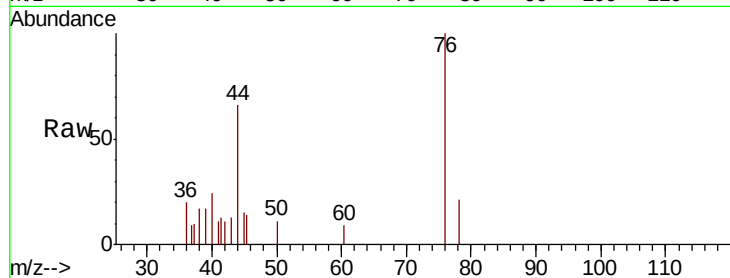
TP-14-D

Tot Ion: 76 Resp: 997

Ion Ratio Lower Upper

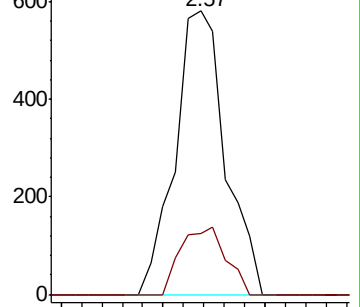
76 100

78 21.3 7.1 10.7#

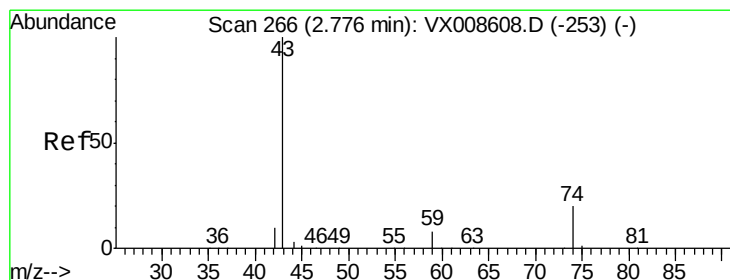
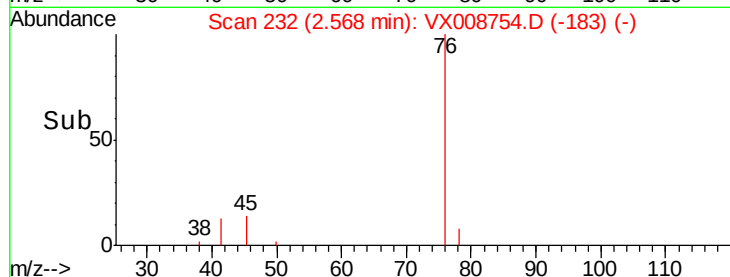


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 1.637 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX008754.D

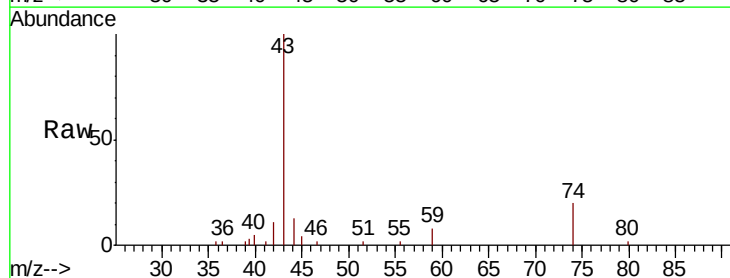
Acq: 08 Apr 2019 18:46

Tgt Ion: 43 Resp: 6007

Ion Ratio Lower Upper

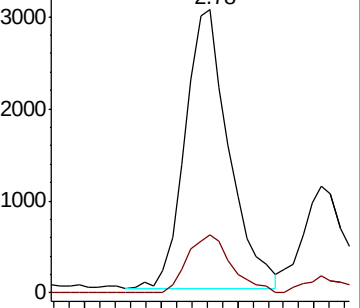
43 100

74 20.9 16.5 24.7

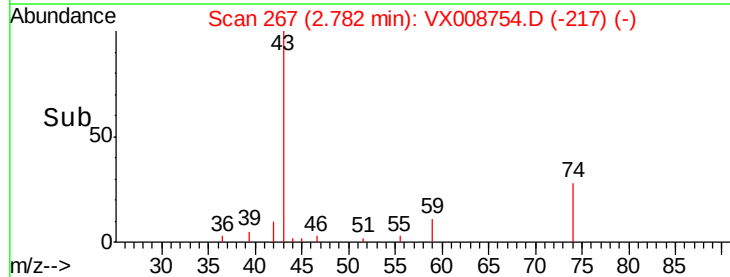


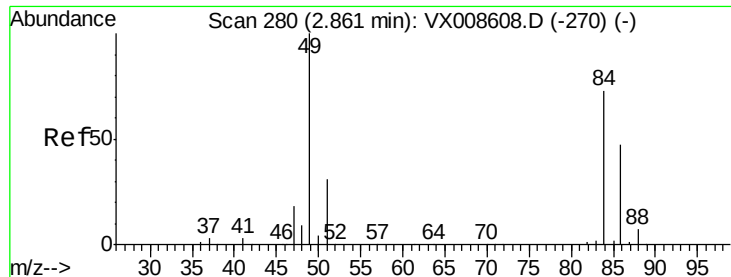
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time--> 2.70 2.75 2.80 2.85



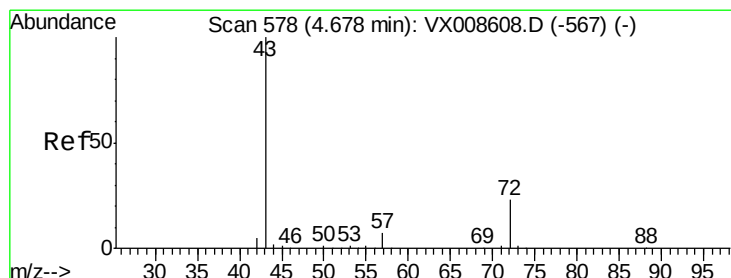
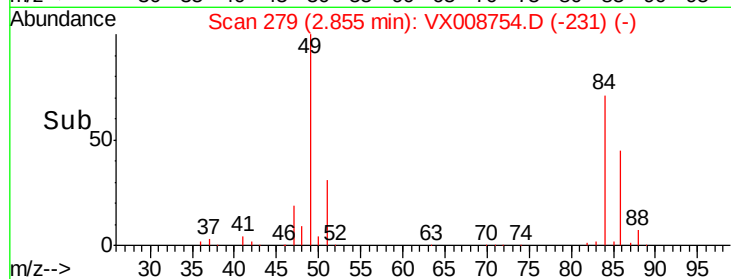
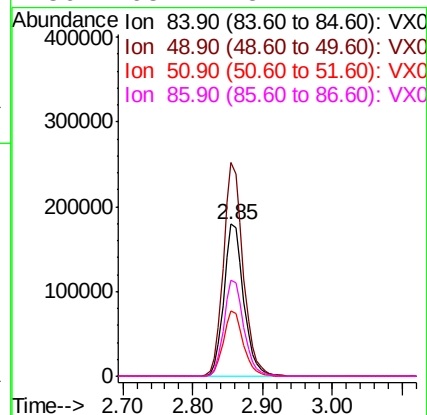
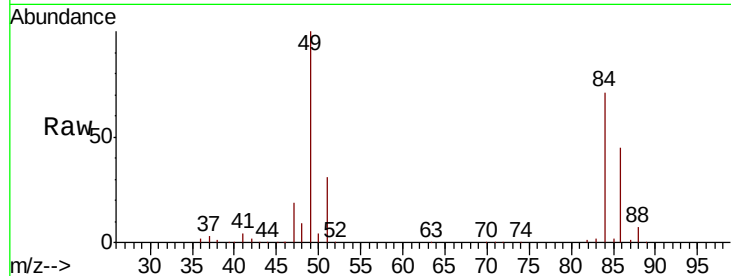


#20  
Methvlene Chloride  
Concen: 139.799 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-14-D

Tot Ion: 84 Resp: 354161

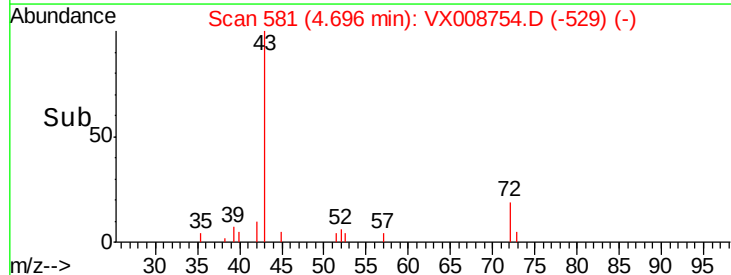
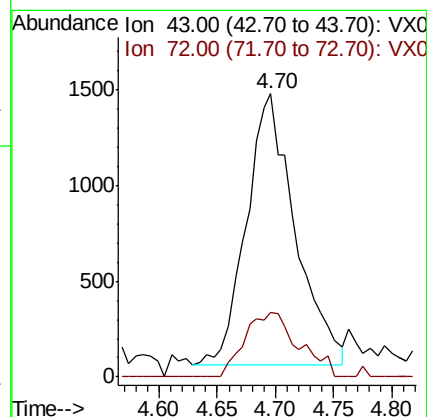
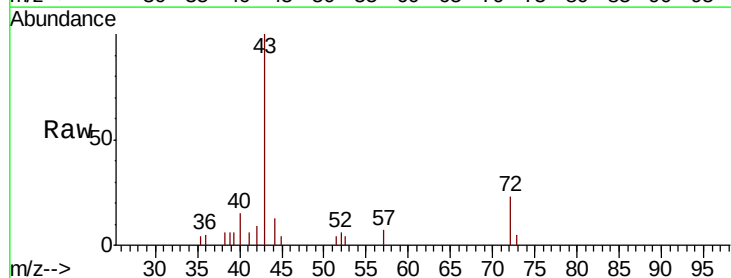
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 140.4 | 109.7 | 164.5 |
| 51  | 42.8  | 33.6  | 50.4  |
| 86  | 63.2  | 51.4  | 77.2  |

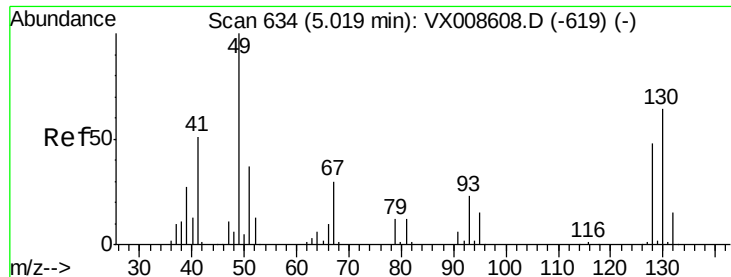


#25  
2-Butanone  
Concen: 1.721 ug/l  
RT: 4.70 min Scan# 581  
Delta R.T. 0.02 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Tgt Ion: 43 Resp: 4117

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 23.8  | 18.2  | 27.4  |





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

TP-14-D

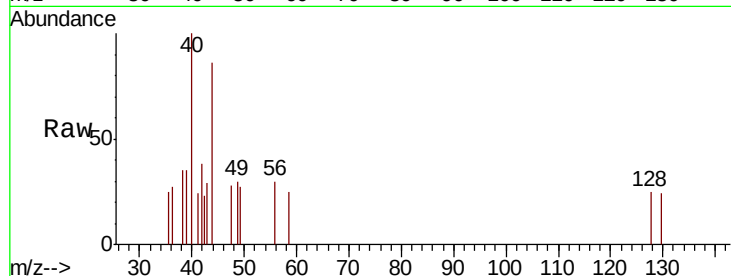
Tot Ion: 49 Resp: 131

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

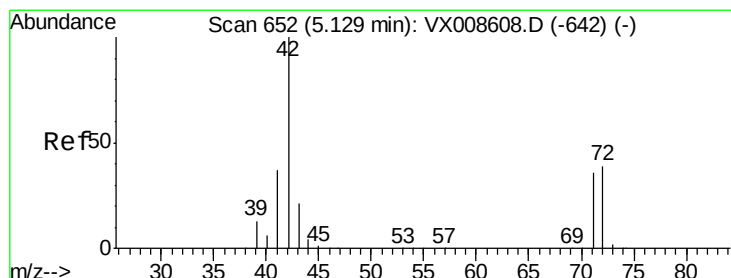
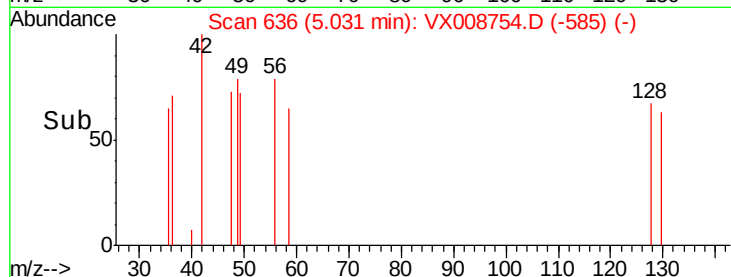
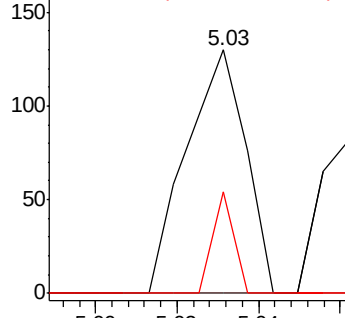
130 15.3 49.3 73.9#



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



#29

Tetrahydrofuran

Concen: 1.168 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

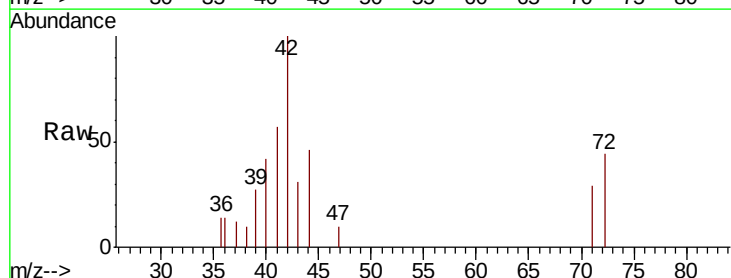
Tgt Ion: 42 Resp: 1855

Ion Ratio Lower Upper

42 100

72 21.5 30.5 45.7#

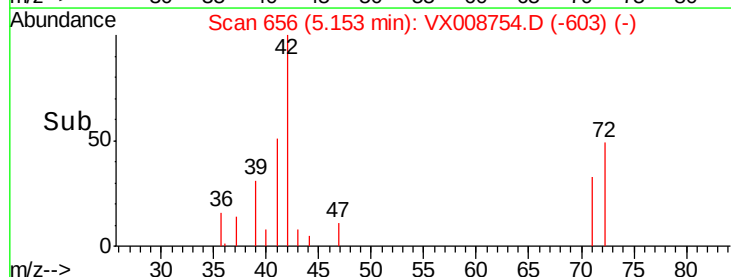
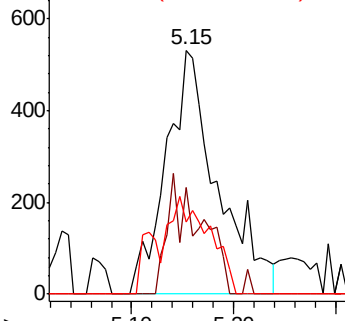
71 30.7 28.6 43.0

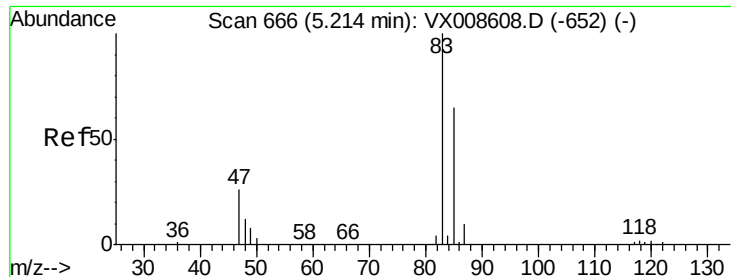


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

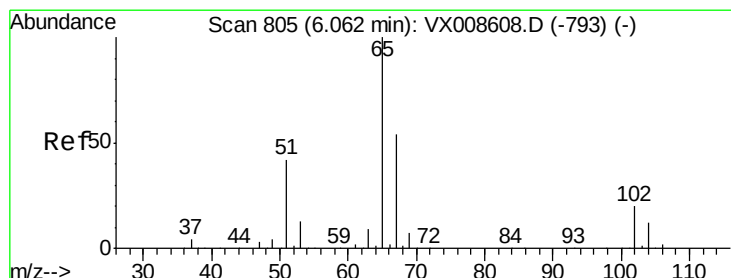
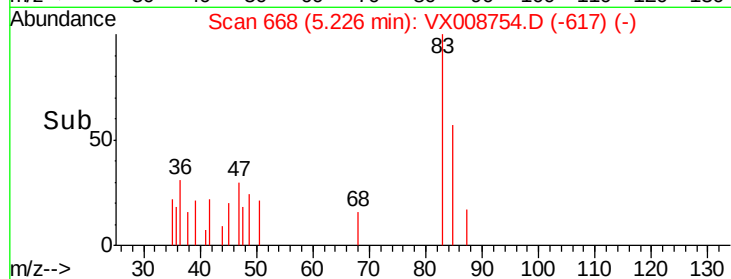
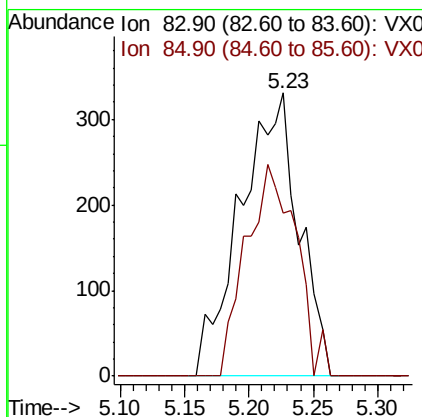
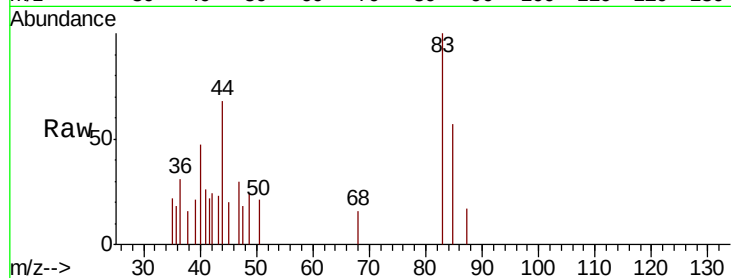




#30  
Chloroform  
Concen: 0.256 ug/l  
RT: 5.23 min Scan# 668  
Delta R.T. 0.01 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

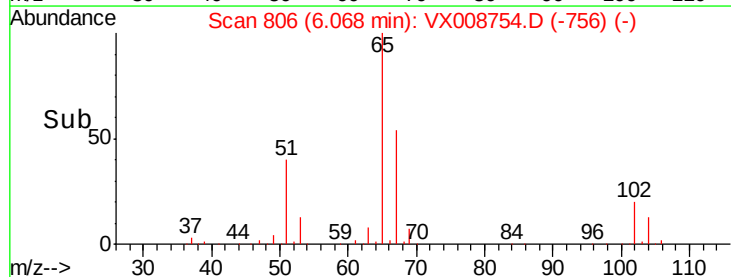
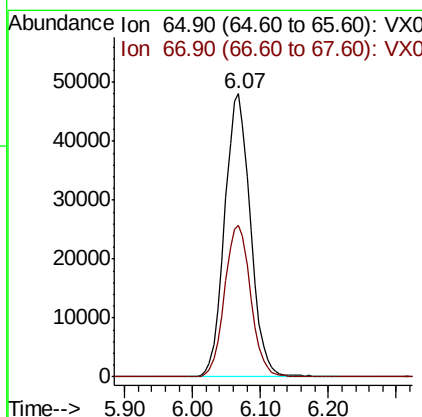
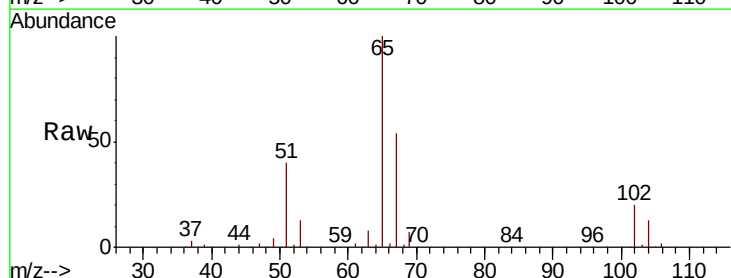
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-14-D

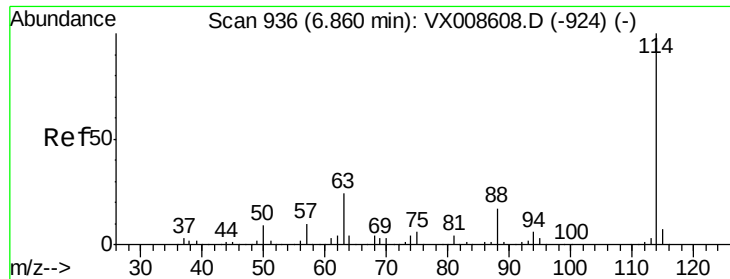
Tot Ion: 83 Resp: 1041  
Ion Ratio Lower Upper  
83 100  
85 57.4 52.1 78.1



#33  
1,2-Dichloroethane-d4  
Concen: 47.994 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Tgt Ion: 65 Resp: 126114  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 107.2

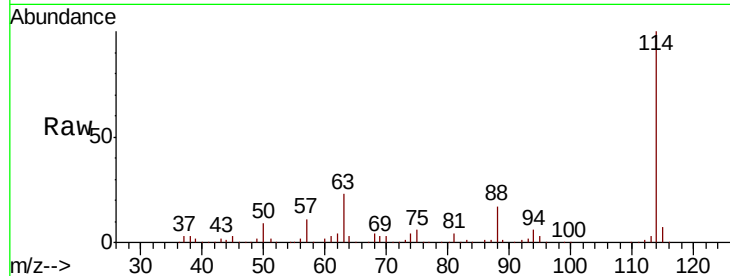




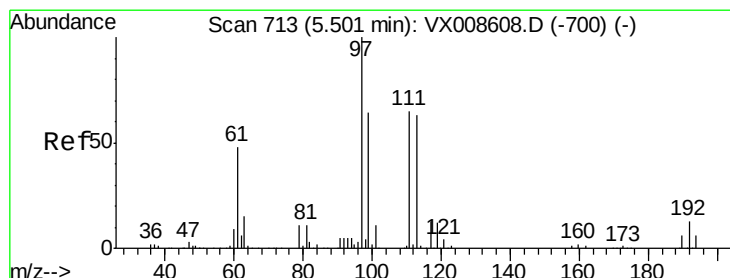
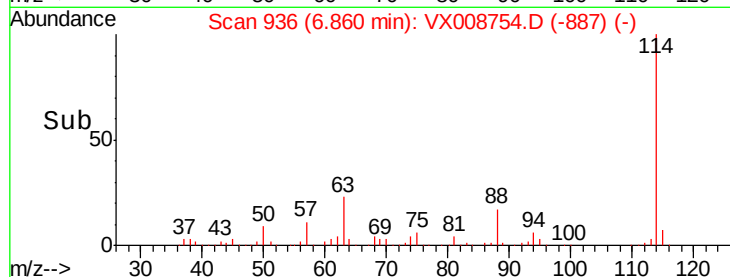
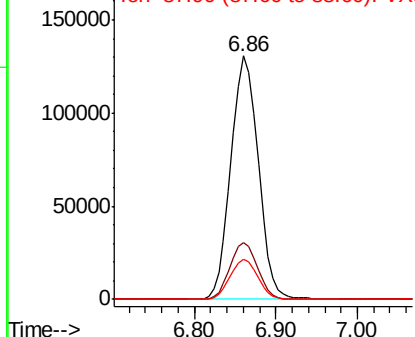
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-14-D

Tot Ion:114 Resp: 304086  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 47.2  
88 16.7 0.0 34.0

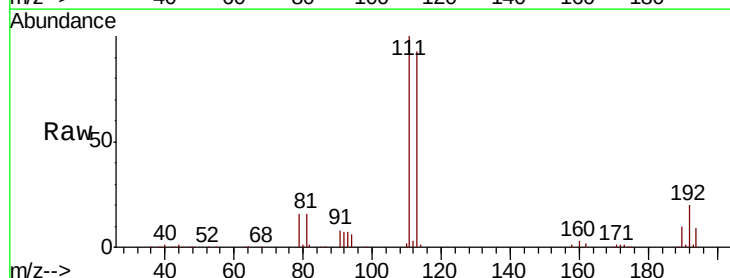


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

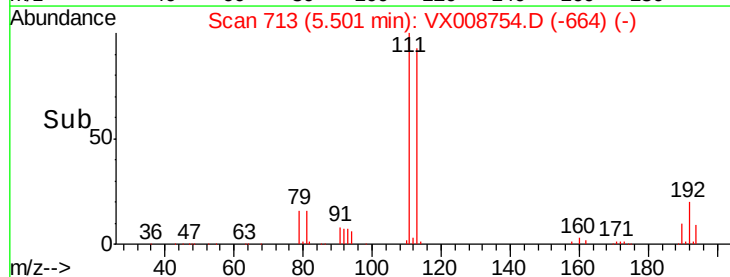
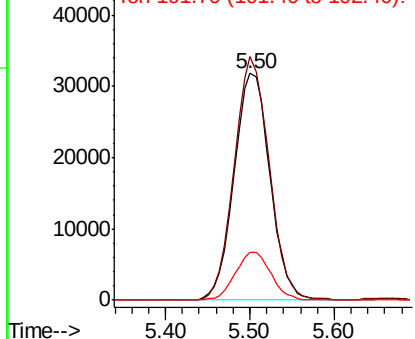


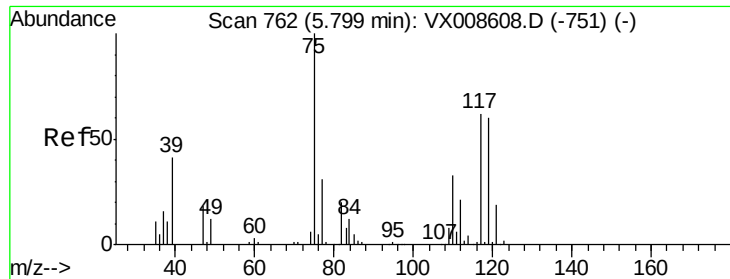
#35  
Dibromofluoromethane  
Concen: 47.214 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Tgt Ion:113 Resp: 91794  
Ion Ratio Lower Upper  
113 100  
111 104.3 83.4 125.2  
192 20.9 16.1 24.1



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: 4.360 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

TP-14-D

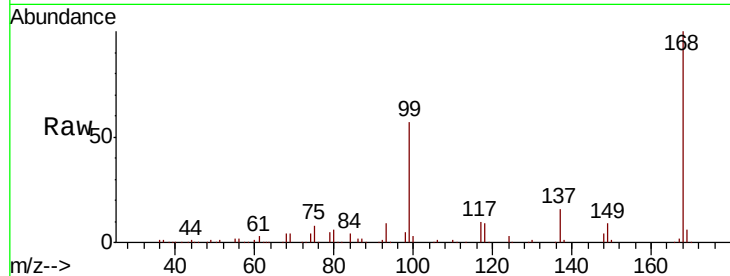
Tot Ion: 75 Resp: 14491

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.2#

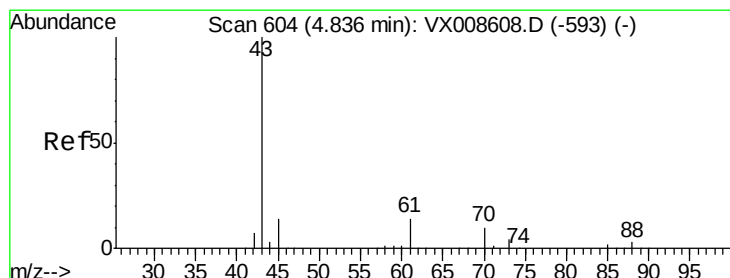
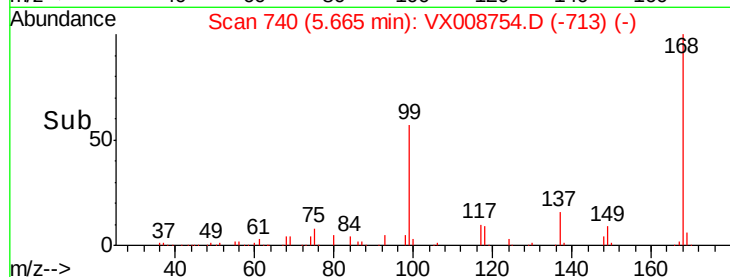
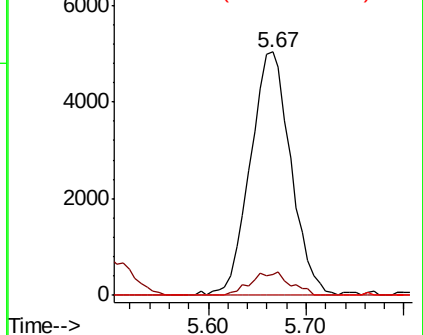
77 0.0 24.7 37.1#



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



#37

Ethyl Acetate

Concen: 0.928 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.14 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

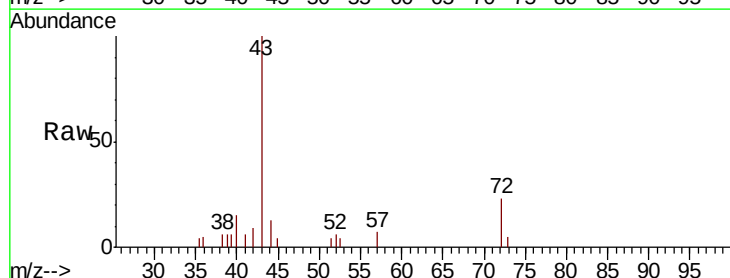
Tgt Ion: 43 Resp: 4117

Ion Ratio Lower Upper

43 100

61 0.5 10.3 15.5#

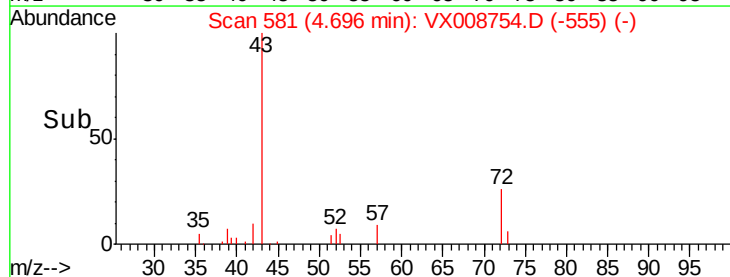
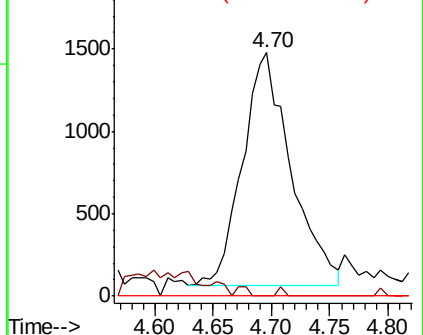
70 0.0 7.6 11.4#

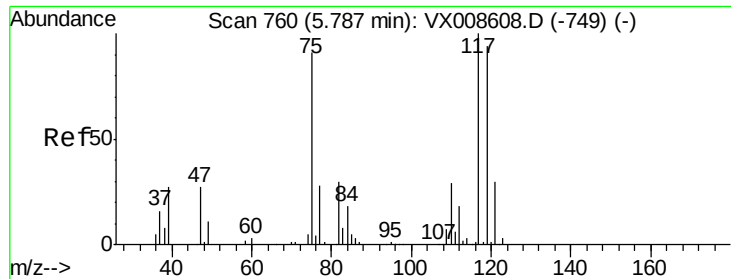


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.327 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

TP-14-D

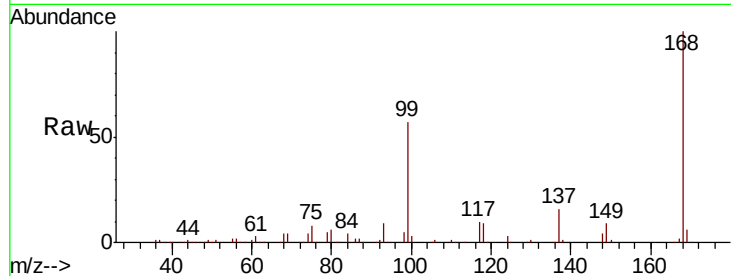
Tot Ion:117 Resp: 17405

Ion Ratio Lower Upper

117 100

119 2.9 75.0 112.6#

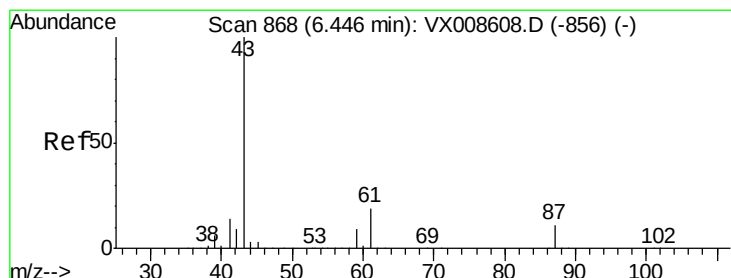
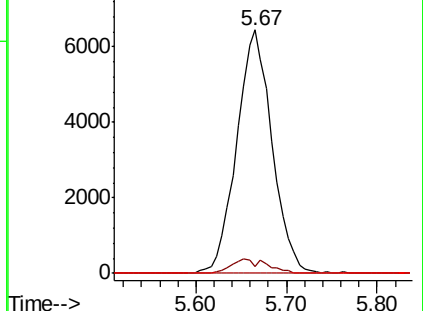
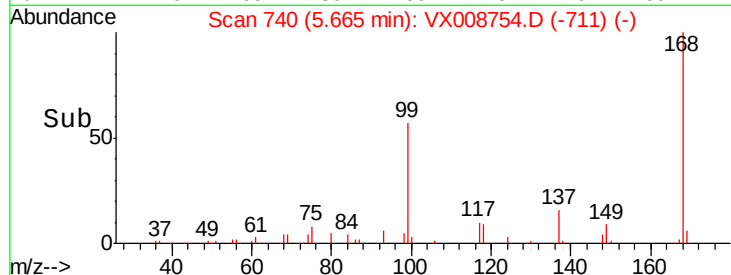
121 0.0 24.3 36.5#



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



#43

Isopropyl Acetate

Concen: 1.729 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

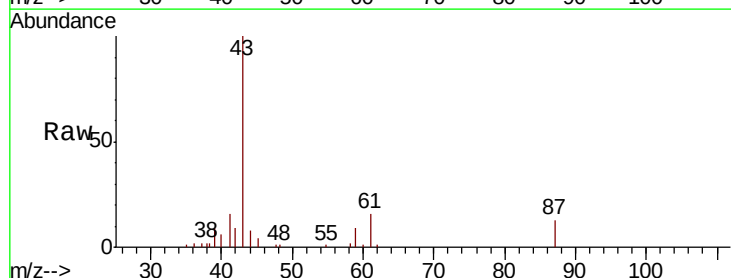
Tgt Ion: 43 Resp: 12016

Ion Ratio Lower Upper

43 100

61 18.9 15.3 22.9

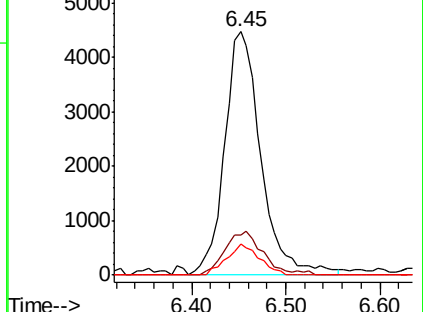
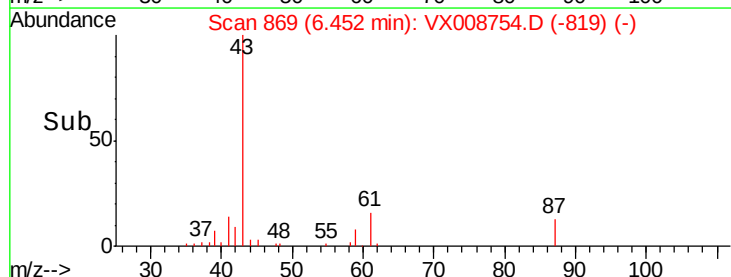
87 11.4 9.0 13.6

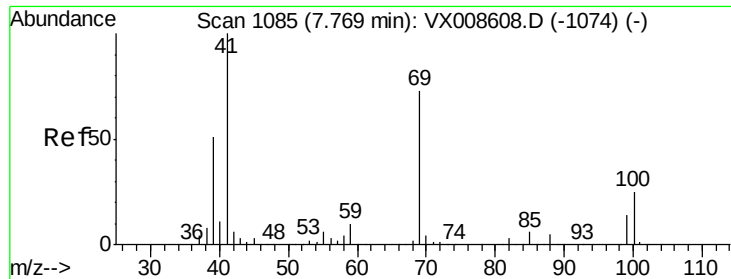


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 2.030 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

TP-14-D

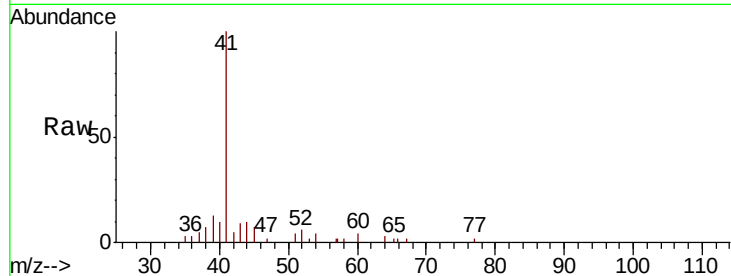
Tot Ion: 41 Resp: 7137

Ion Ratio Lower Upper

41 100

69 0.0 59.0 88.4#

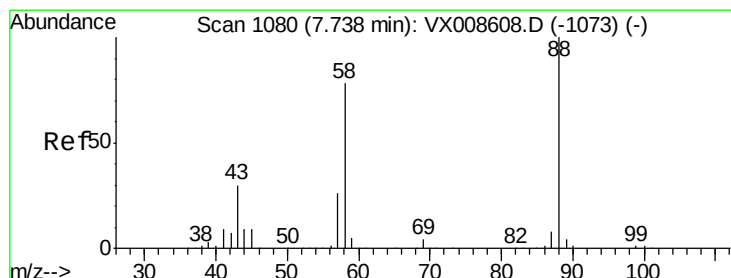
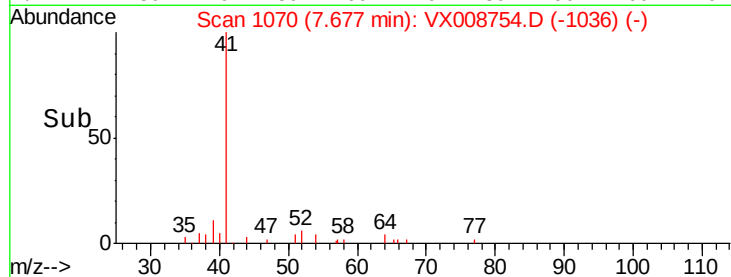
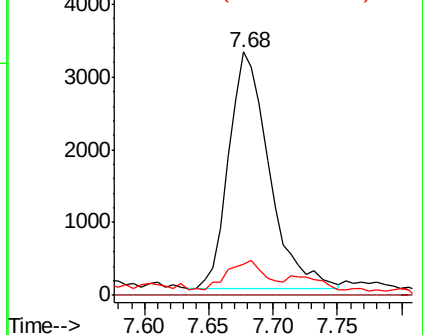
39 0.0 41.0 61.4#



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: 1.685 ug/l

RT: 7.87 min Scan# 1101

Delta R.T. 0.13 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

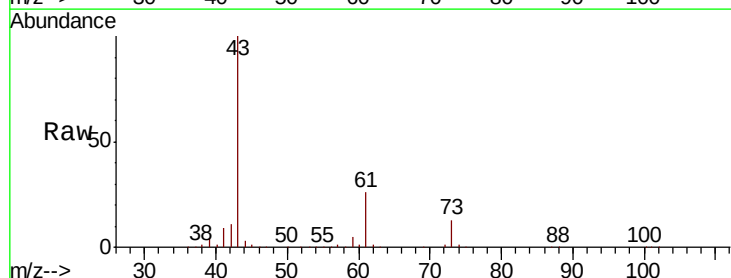
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

43 850573.0 28.6 43.0#

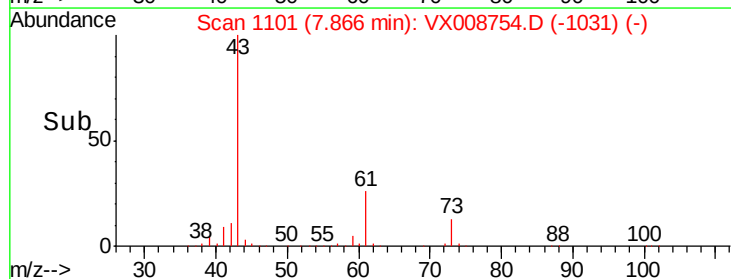
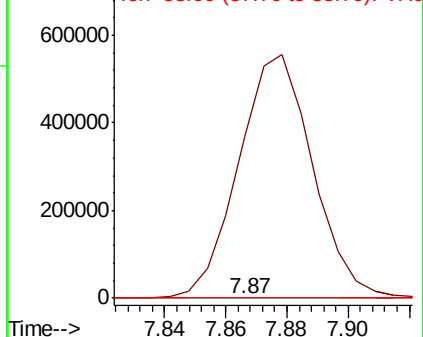
58 3412.6 62.2 93.2#



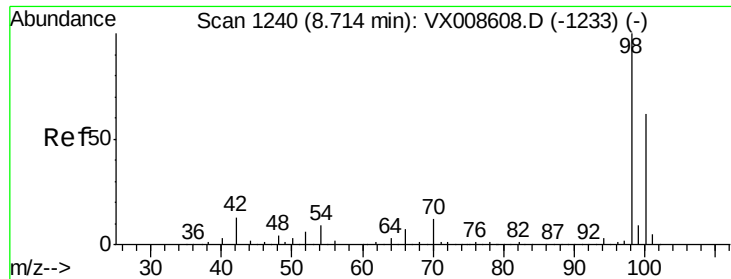
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



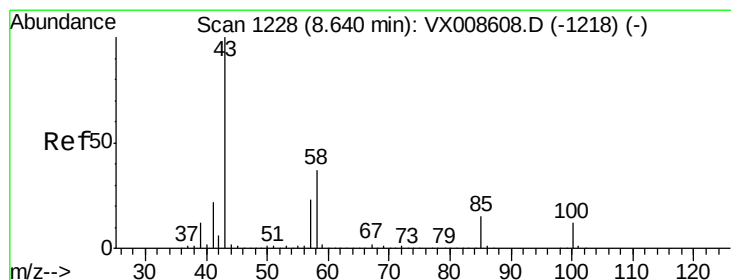
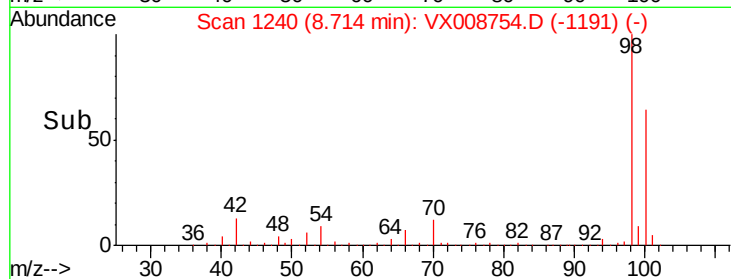
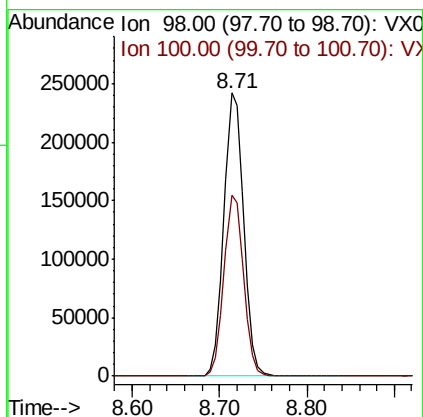
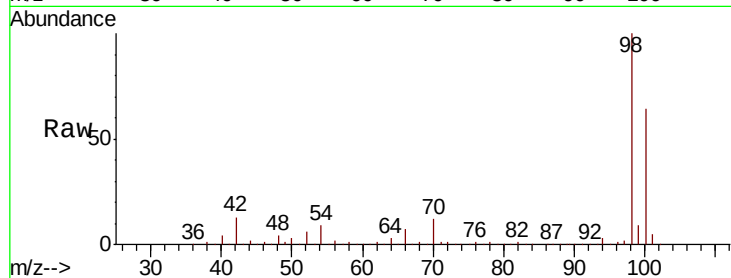




#50  
Toluene-d8  
Concen: 48.839 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

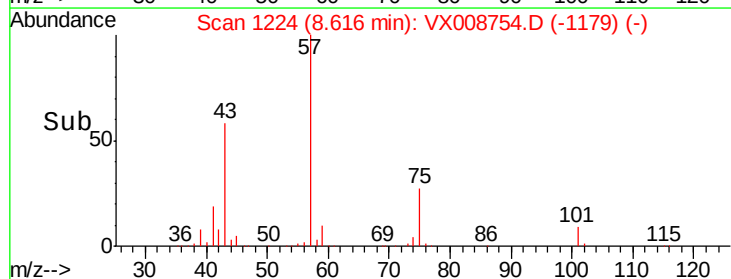
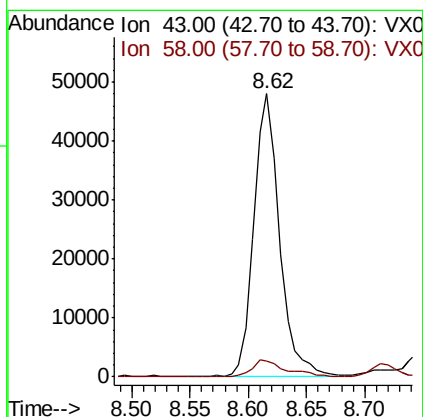
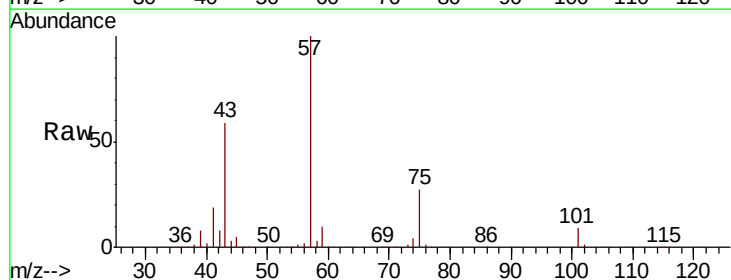
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-14-D

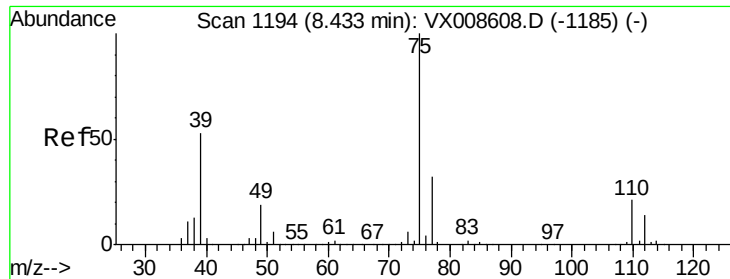
Tot Ion: 98 Resp: 378082  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 16.460 ug/l  
RT: 8.62 min Scan# 1224  
Delta R.T. -0.02 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Tgt Ion: 43 Resp: 73645  
Ion Ratio Lower Upper  
43 100  
58 7.9 29.5 44.3#





#54

cis-1,3-Dichloropropene

Concen: 8.072 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

TP-14-D

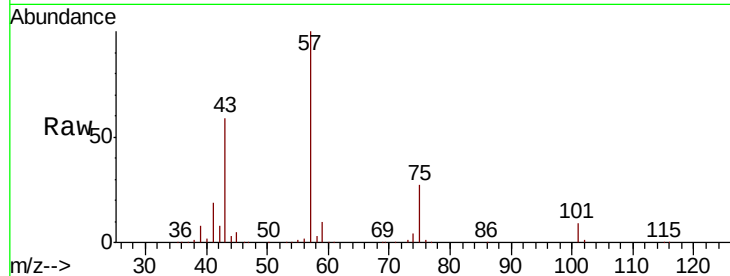
Tot Ion: 75 Resp: 31935

Ion Ratio Lower Upper

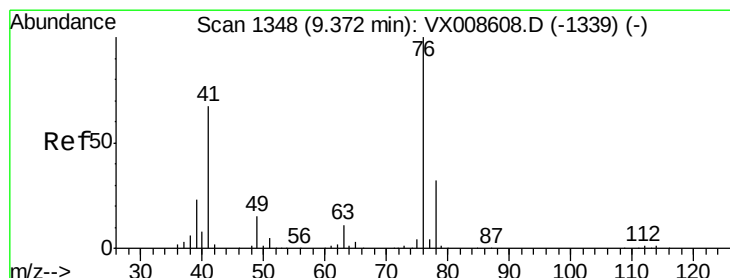
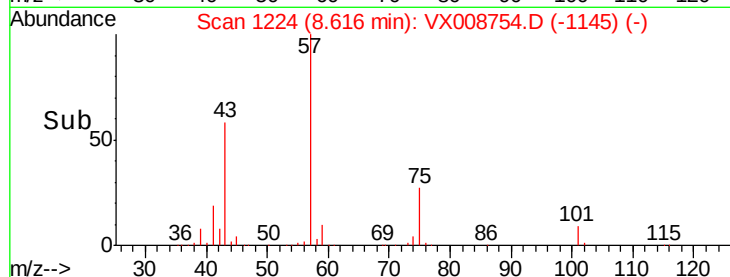
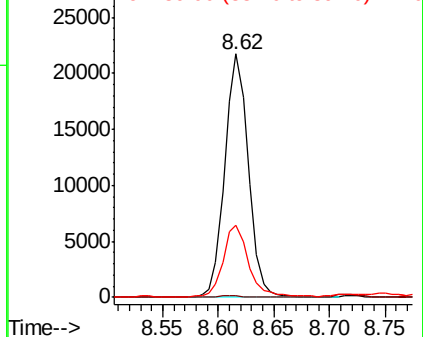
75 100

77 0.5 25.3 37.9#

39 29.5 42.6 63.8#



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



#57

1,3-Dichloropropane

Concen: 1.183 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX008754.D

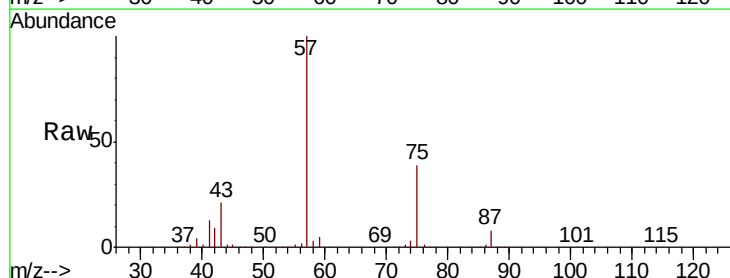
Acq: 08 Apr 2019 18:46

Tgt Ion: 76 Resp: 4979

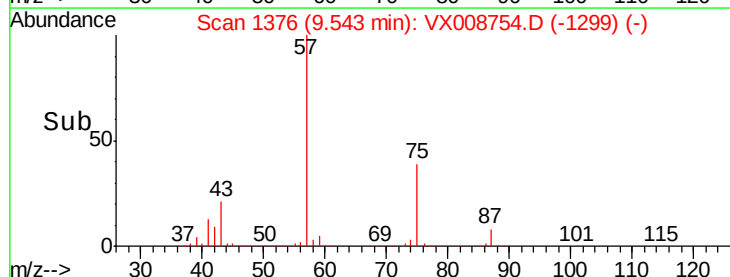
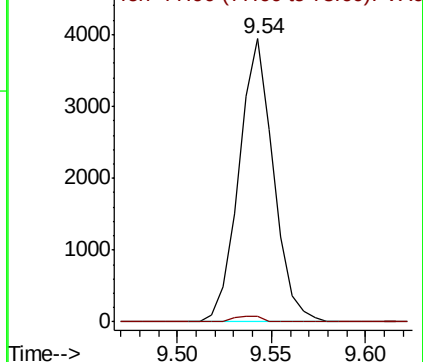
Ion Ratio Lower Upper

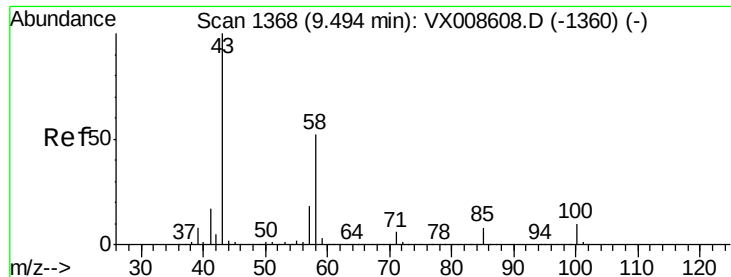
76 100

78 1.5 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0  
Ion 77.90 (77.60 to 78.60): VX0





#59

2-Hexanone

Concen: 22.008 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

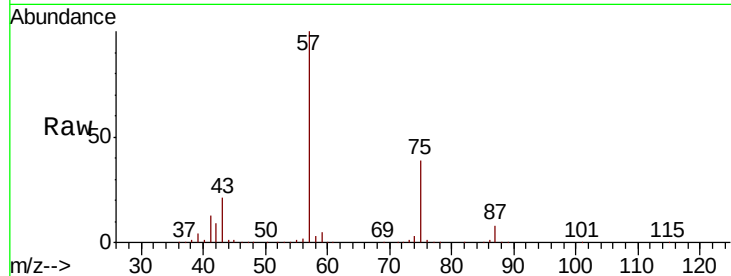
TP-14-D

Tot Ion: 43 Resp: 76523

Ion Ratio Lower Upper

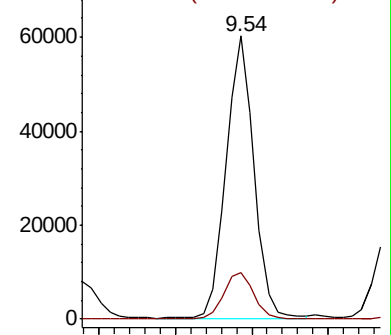
43 100

58 18.4 25.9 77.7#

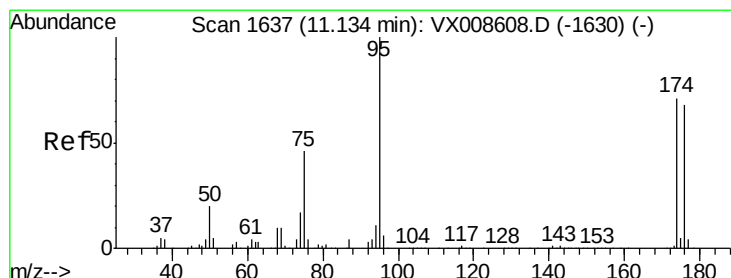
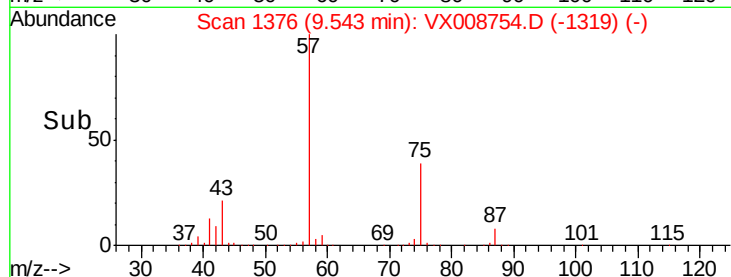


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 44.643 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

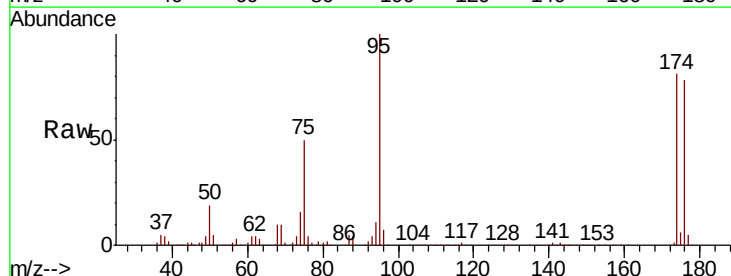
Tgt Ion: 95 Resp: 122553

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.8

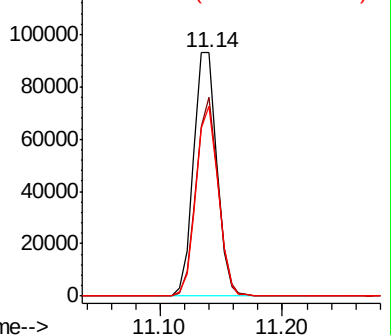
176 74.5 0.0 145.8



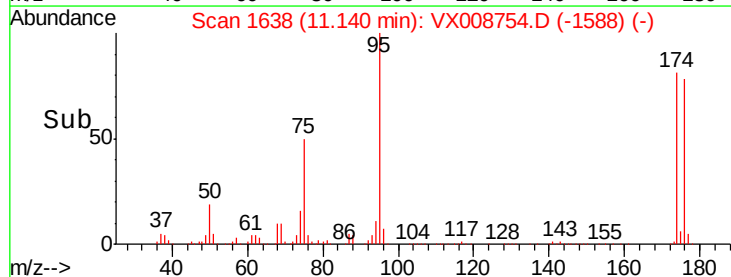
Abundance Ion 94.90 (94.60 to 95.60): VX0

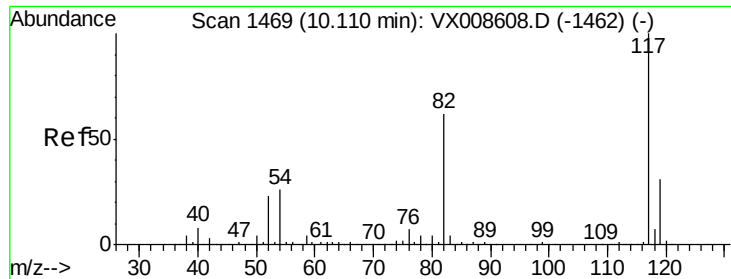
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

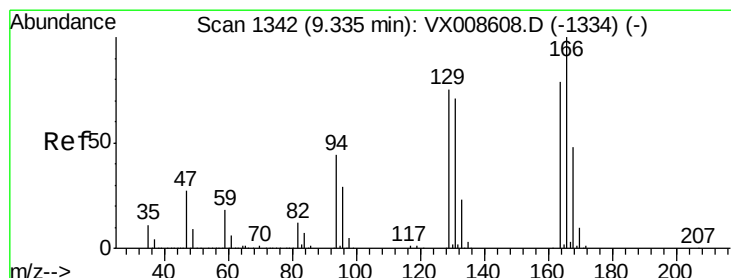
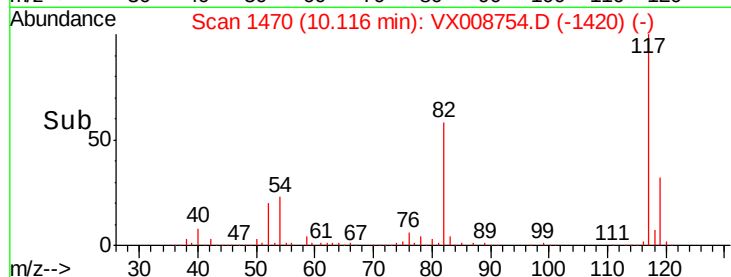
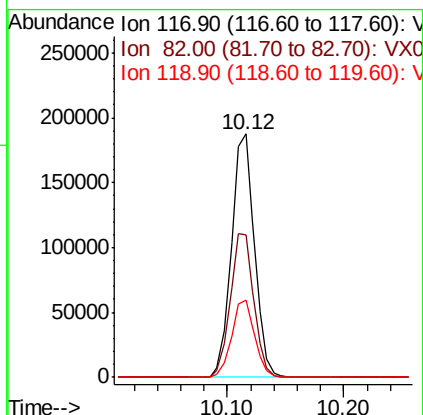
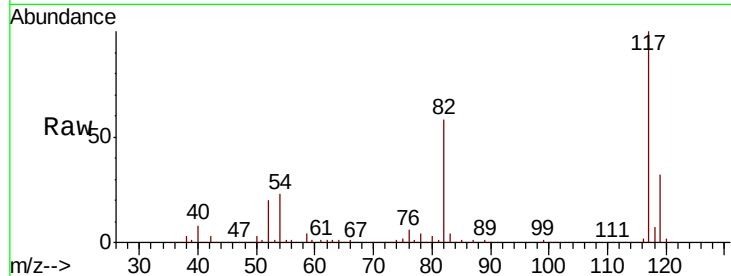




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

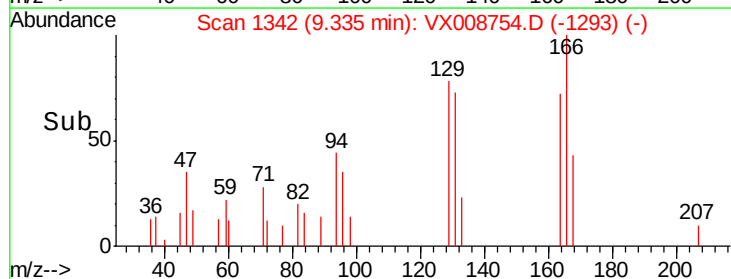
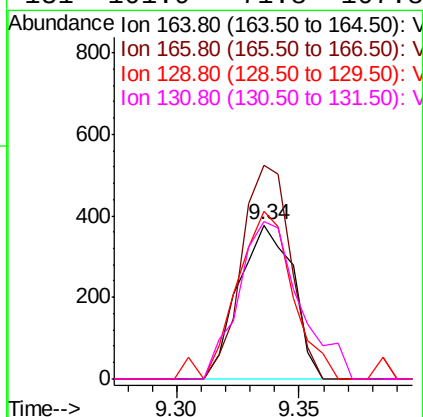
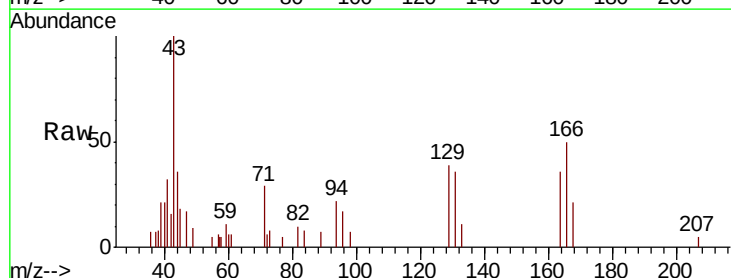
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-14-D

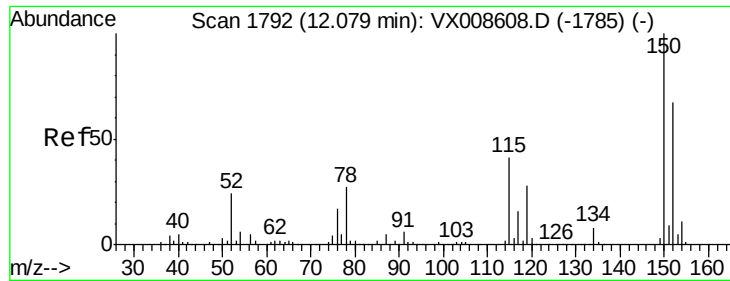
Tot Ion:117 Resp: 257065  
Ion Ratio Lower Upper  
117 100  
82 58.3 49.6 74.4  
119 31.9 25.0 37.4



#64  
Tetrachloroethene  
Concen: 0.308 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Tgt Ion:164 Resp: 586  
Ion Ratio Lower Upper  
164 100  
166 138.6 101.0 151.6  
129 108.5 75.8 113.8  
131 101.9 71.8 107.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008754.D

Acq: 08 Apr 2019 18:46

Instrument :

MSVOA\_X

ClientSampleId :

TP-14-D

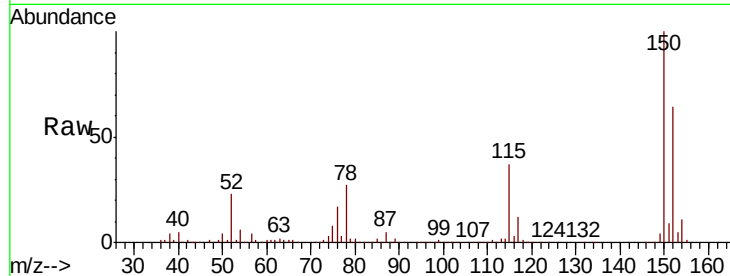
Tot Ion:152 Resp: 106343

Ion Ratio Lower Upper

152 100

115 59.7 43.5 130.5

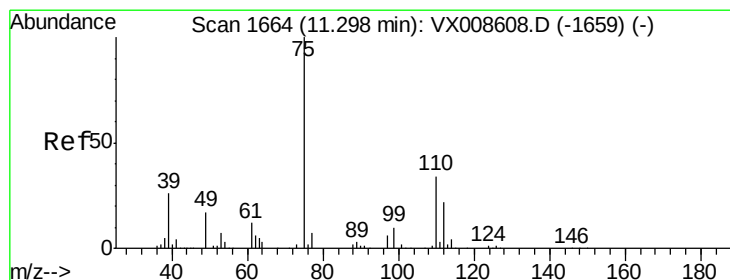
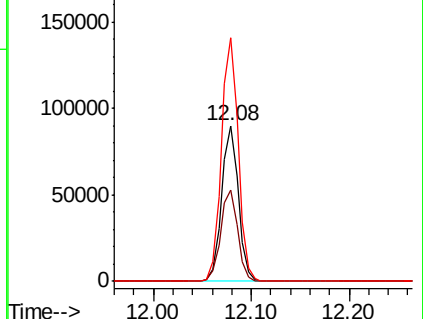
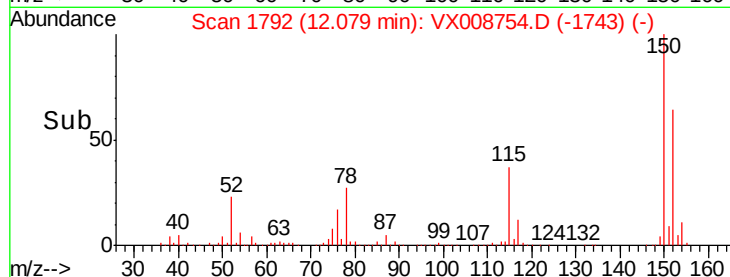
150 157.8 0.0 348.8



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: 21.506 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008754.D

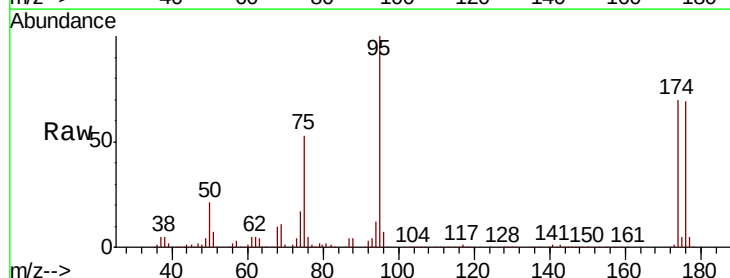
Acq: 08 Apr 2019 18:46

Tgt Ion: 75 Resp: 62826

Ion Ratio Lower Upper

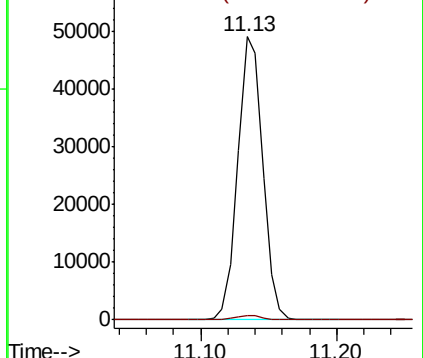
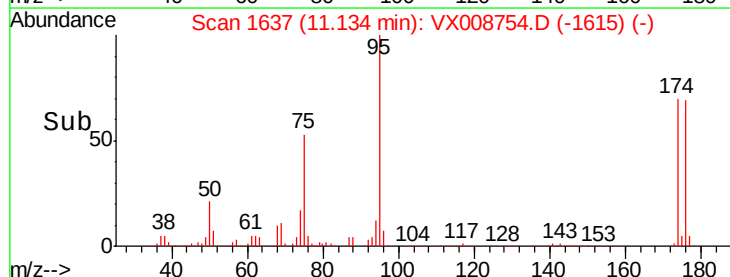
75 100

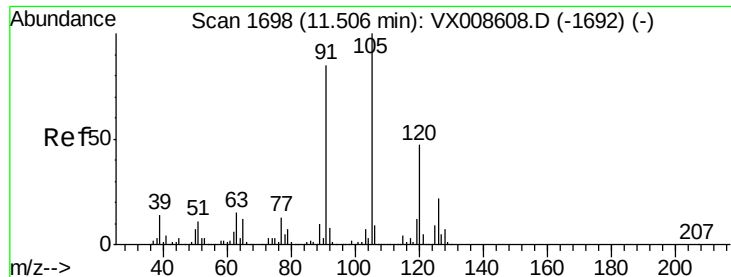
77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

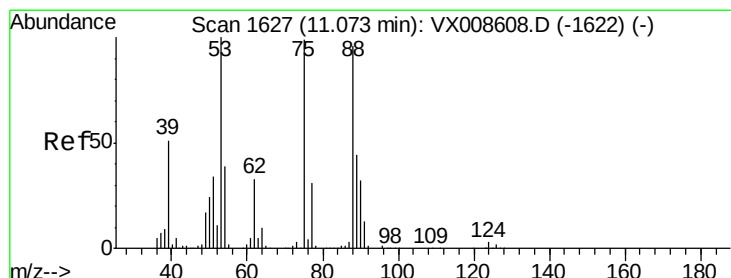
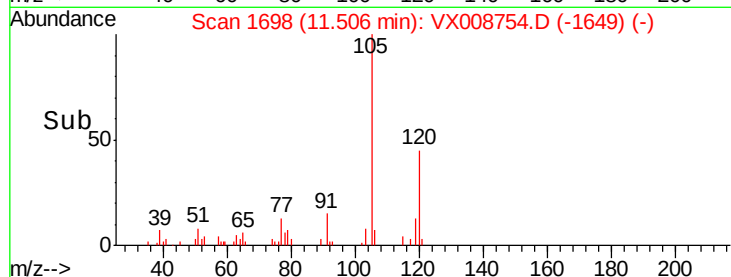
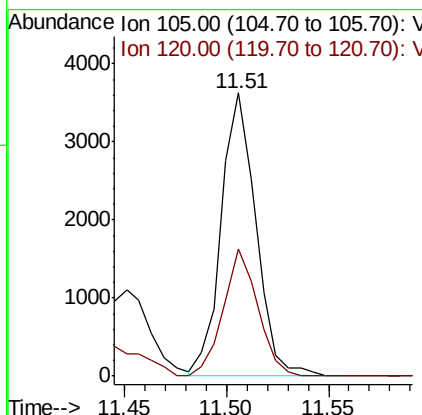
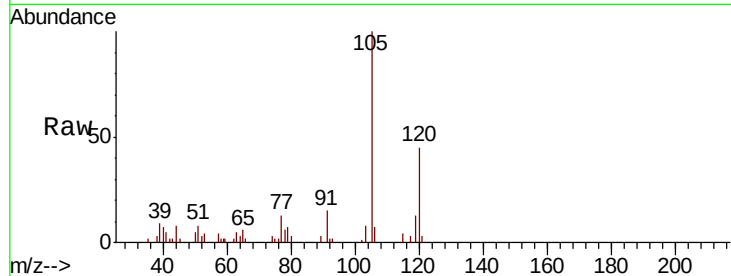




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.578 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX008754.D  
 Acq: 08 Apr 2019 18:46

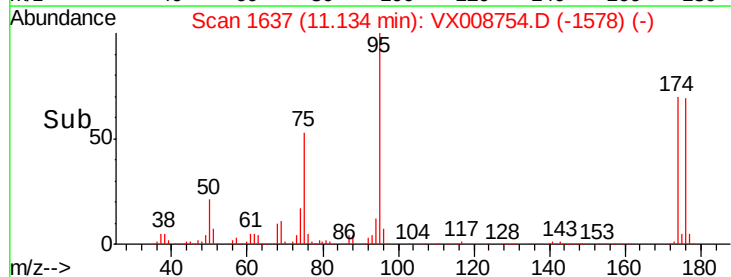
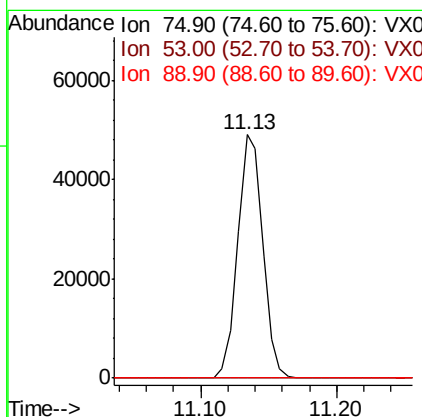
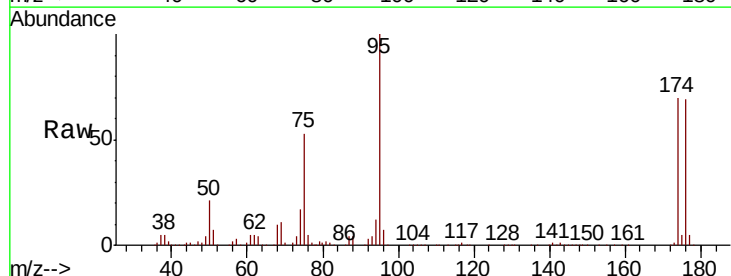
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-14-D

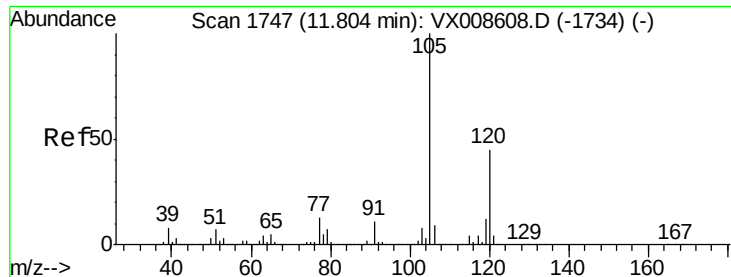
Tot Ion:105 Resp: 4278  
 Ion Ratio Lower Upper  
 105 100  
 120 44.5 23.5 70.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 59.282 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.06 min  
 Lab File: VX008754.D  
 Acq: 08 Apr 2019 18:46

Tgt Ion: 75 Resp: 62826  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 81.3 121.9#  
 89 0.0 35.6 53.4#

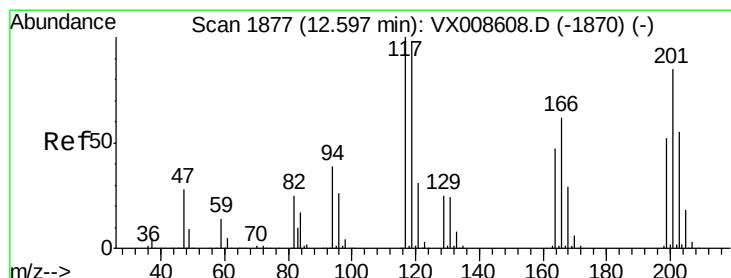
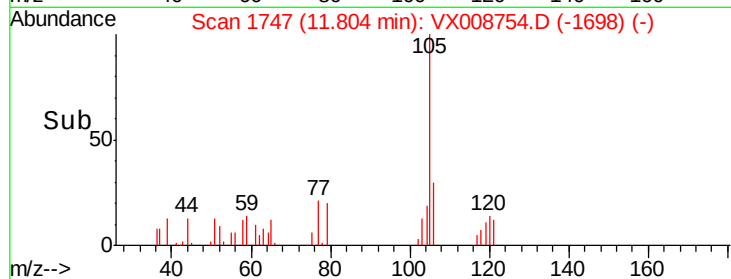
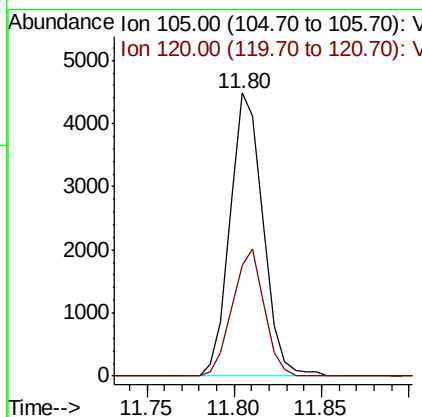
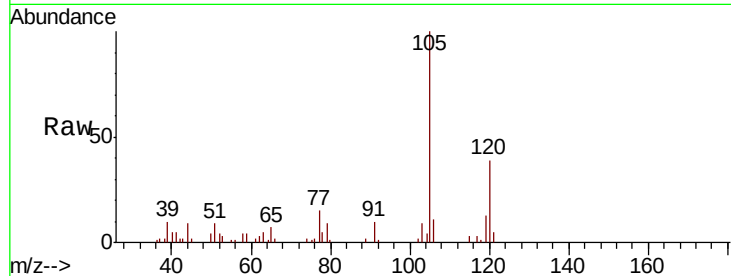




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.786 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX008754.D  
 Acq: 08 Apr 2019 18:46

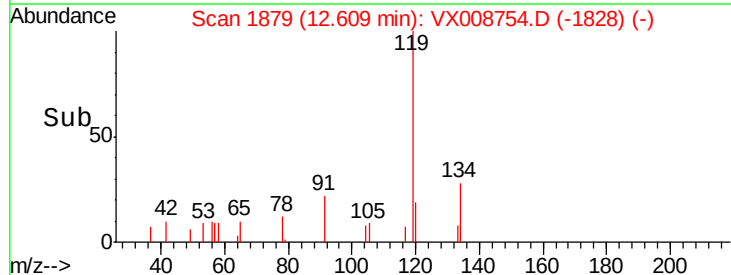
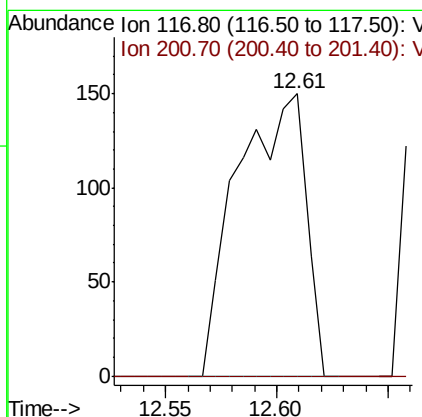
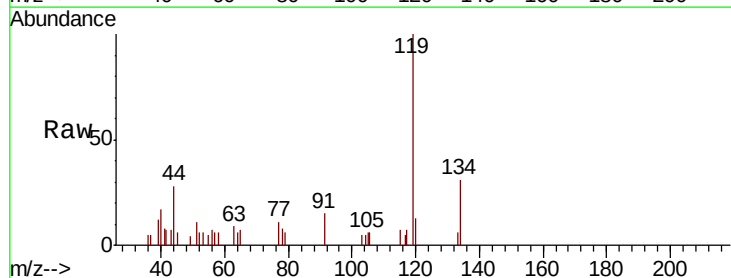
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-14-D

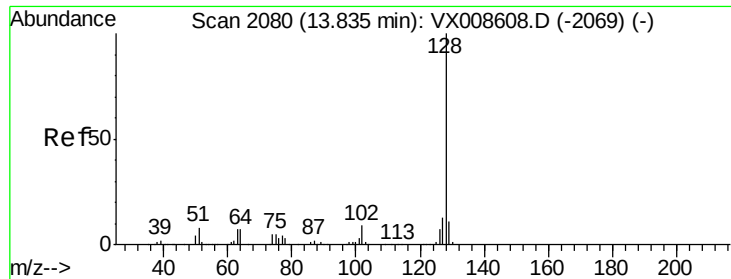
Tot Ion:105 Resp: 5885  
 Ion Ratio Lower Upper  
 105 100  
 120 43.0 21.8 65.3



#90  
 Hexachloroethane  
 Concen: 0.253 ug/l  
 RT: 12.61 min Scan# 1879  
 Delta R.T. 0.01 min  
 Lab File: VX008754.D  
 Acq: 08 Apr 2019 18:46

Tgt Ion:117 Resp: 319  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 40.6 122.0#

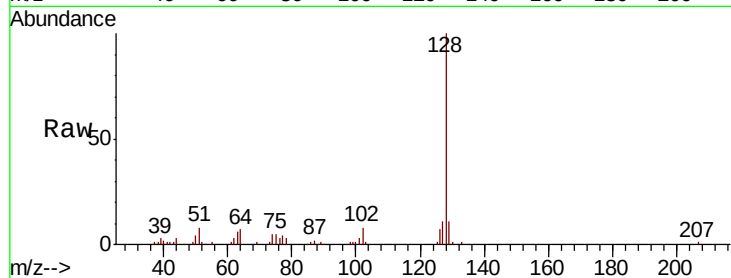




#95  
Naphthalene  
Concen: 1.953 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX008754.D  
Acq: 08 Apr 2019 18:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-14-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.4  | 15.6  |
| 129     | 11.6  | 8.6   | 13.0  |



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

