

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040919\  
 Data File : VX008782.D  
 Acq On : 09 Apr 2019 19:42  
 Operator : JC/SP  
 Sample : K2309-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 10 06:40:03 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  | 207785   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 346428   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 301405   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 129812   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 143264   | 47.27 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.54% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 104777   | 47.30 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.60% |          |
| 50) Toluene-d8              | 8.71  | 98   | 437507   | 49.61 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.22% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 147105   | 47.04 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.08% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc          | Units | Qvalue |
|--------------------------------|-------|------|----------|---------------|-------|--------|
| 3) Chloromethane               | 1.32  | 50   | 371      | Below Cal     |       | 96     |
| 5) Bromomethane                | 1.64  | 94   | 342      | 2.092 ug/l #  |       | 79     |
| 6) Chloroethane                | 1.62  | 64   | 1476     | Below Cal     |       | 100    |
| 10) Methyl Iodide              | 2.54  | 142  | 19       | 4.011 ug/l #  |       | 42     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 524      | 0.739 ug/l #  |       | 72     |
| 13) Acrolein                   | 2.30  | 56   | 200      | 0.568 ug/l #  |       | 52     |
| 14) Allyl chloride             | 2.86  | 41   | 8711     | 1.584 ug/l #  |       | 30     |
| 16) Acetone                    | 2.44  | 43   | 13962    | 7.999 ug/l    |       | 98     |
| 17) Carbon Disulfide           | 2.57  | 76   | 719      | Below Cal #   |       | 75     |
| 18) Methyl Acetate             | 2.78  | 43   | 1376     | 0.325 ug/l    |       | 98     |
| 20) Methylene Chloride         | 2.86  | 84   | 157290   | 53.832 ug/l   |       | 99     |
| 25) 2-Butanone                 | 4.68  | 43   | 3340     | 1.211 ug/l #  |       | 84     |
| 28) Bromochloromethane         | 5.03  | 49   | 19       | Below Cal #   |       | 22     |
| 29) Tetrahydrofuran            | 5.16  | 42   | 1723     | 0.941 ug/l    |       | 99     |
| 30) Chloroform                 | 5.21  | 83   | 3529     | 0.753 ug/l #  |       | 80     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 16986    | 4.486 ug/l #  |       | 50     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 20243    | 6.459 ug/l #  |       | 16     |
| 43) Isopropyl Acetate          | 6.45  | 43   | 12818    | 1.619 ug/l    |       | 99     |
| 47) Bromodichloromethane       | 7.89  | 83   | 1029     | 0.292 ug/l #  |       | 97     |
| 48) Methyl methacrylate        | 7.68  | 41   | 7929     | 1.980 ug/l #  |       | 18     |
| 49) 1,4-Dioxane                | 7.76  | 88   | 23       | 0.307 ug/l #  |       | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 90877    | 17.829 ug/l # |       | 51     |
| 54) cis-1,3-Dichloropropene    | 8.62  | 75   | 39500    | 8.764 ug/l #  |       | 57     |
| 57) 1,3-Dichloropropane        | 9.54  | 76   | 8048     | 1.679 ug/l #  |       | 43     |
| 59) 2-Hexanone                 | 9.54  | 43   | 132514   | 33.453 ug/l # |       | 52     |
| 68) m/p-Xylenes                | 10.36 | 106  | 1779     | 0.397 ug/l    |       | 88     |
| 69) o-Xylene                   | 10.69 | 106  | 882      | 0.203 ug/l    |       | 96     |
| 74) N-amyl acetate             | 10.69 | 43   | 12142    | 1.918 ug/l #  |       | 57     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 74296    | 20.834 ug/l # |       | 34     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 3569     | 0.395 ug/l    |       | 98     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 74296    | 57.430 ug/l # |       | 9      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 7162     | 0.783 ug/l    |       | 97     |
| 95) Naphthalene                | 13.83 | 128  | 66937    | 6.266 ug/l    |       | 99     |

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MSVOA\_X  
ClientSampleId :

Quant Time: Apr 10 06:40:03 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

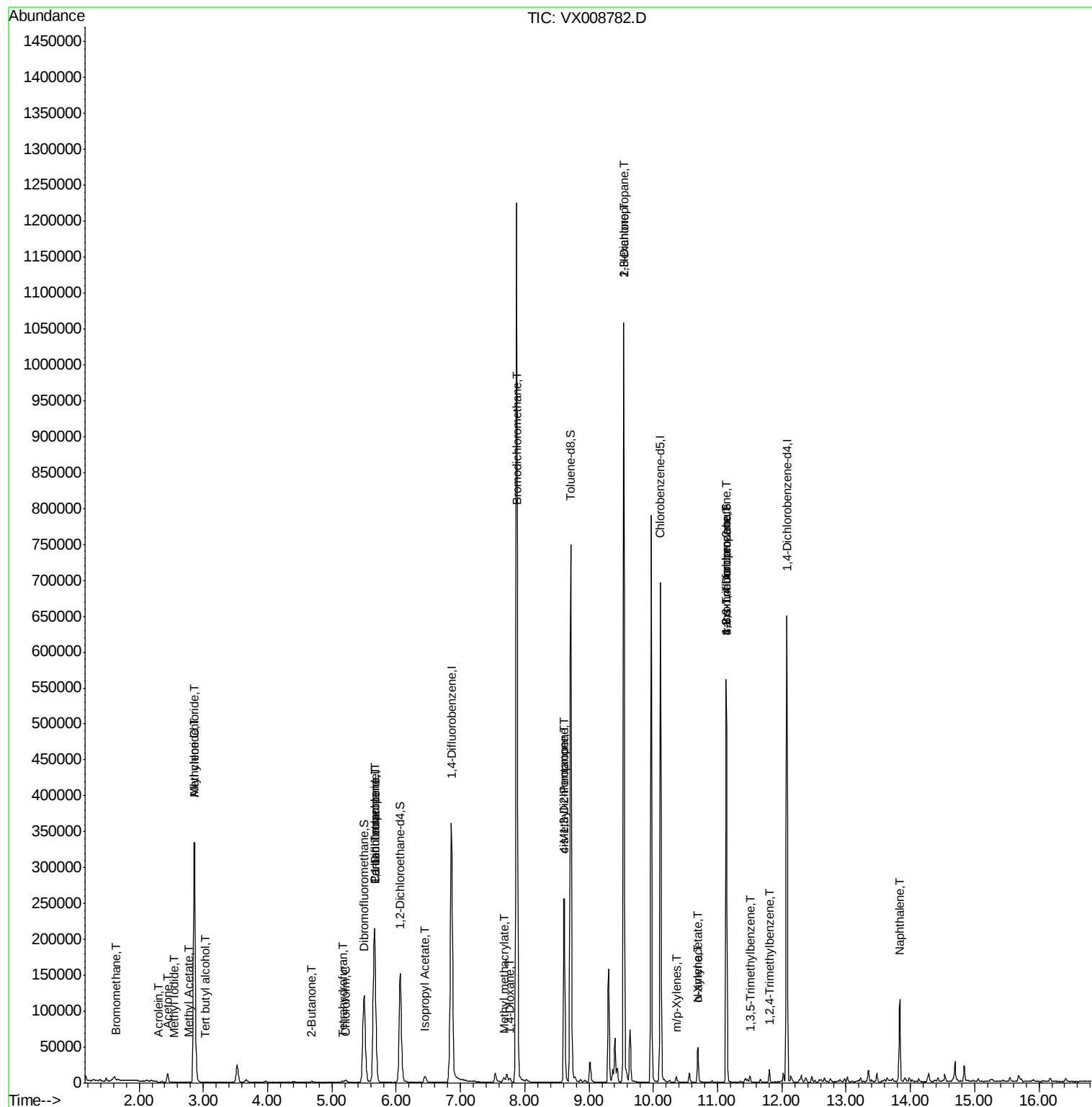
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

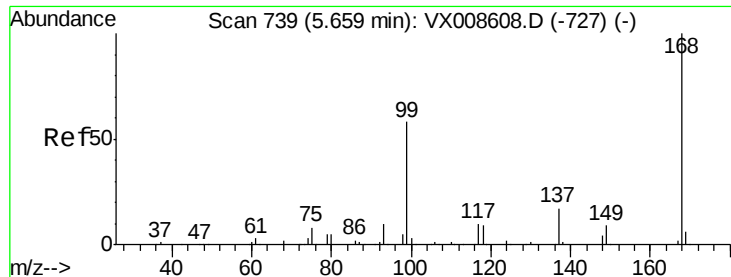
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008782.D

Acq: 09 Apr 2019 19:42

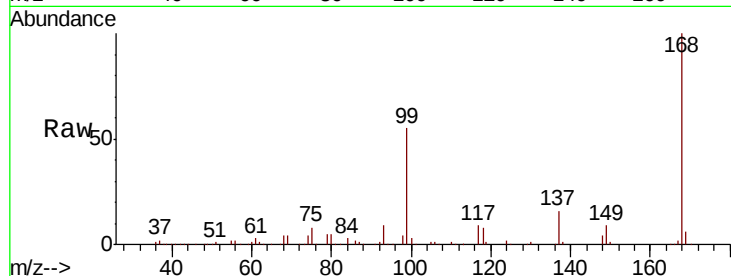
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:168 Resp: 207785

Ion Ratio Lower Upper

168 100

99 55.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

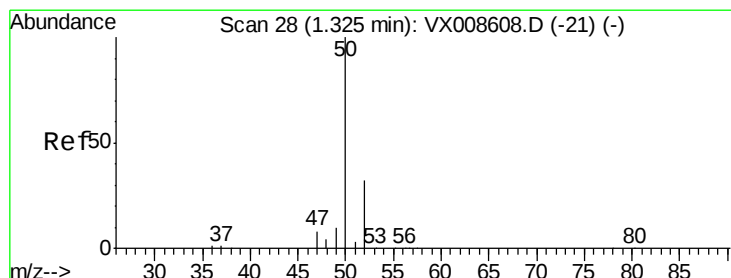
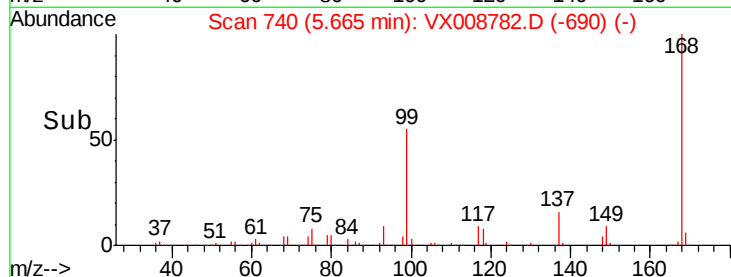
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008782.D

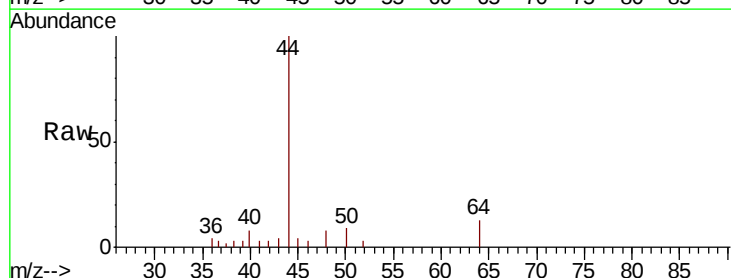
Acq: 09 Apr 2019 19:42

Tgt Ion: 50 Resp: 371

Ion Ratio Lower Upper

50 100

52 29.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250

200

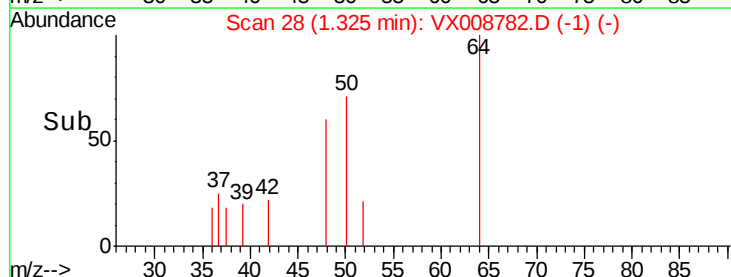
150

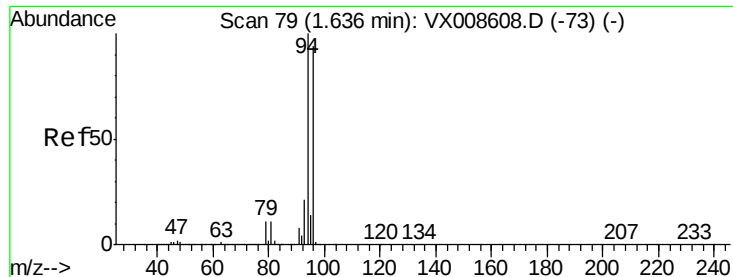
100

50

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.092 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

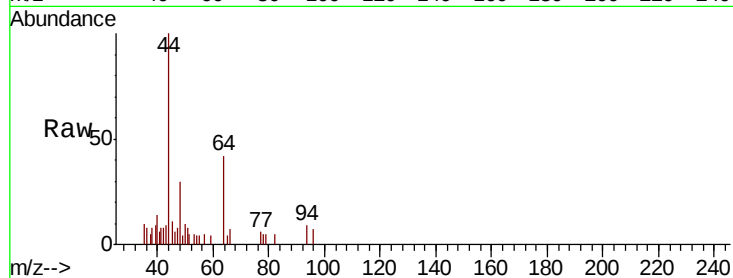
ClientSampled :

Tot Ion: 94 Resp: 342

Ion Ratio Lower Upper

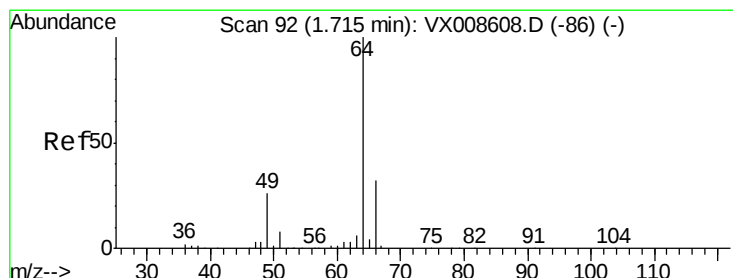
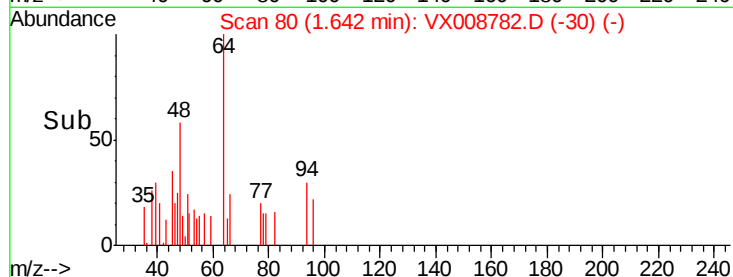
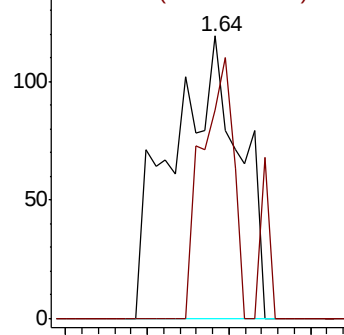
94 100

96 73.9 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: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX008782.D

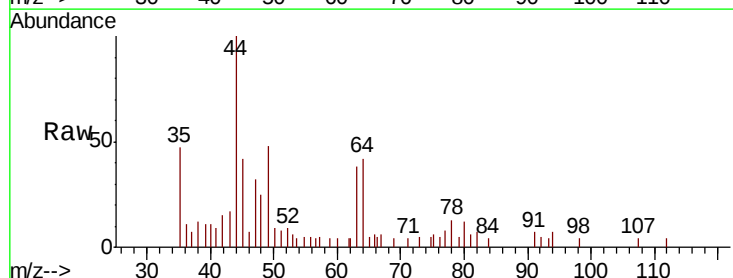
Acq: 09 Apr 2019 19:42

Tgt Ion: 64 Resp: 1476

Ion Ratio Lower Upper

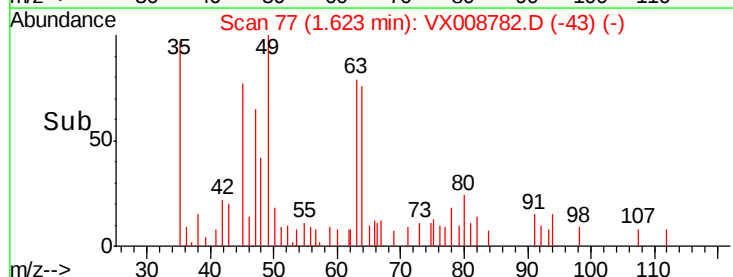
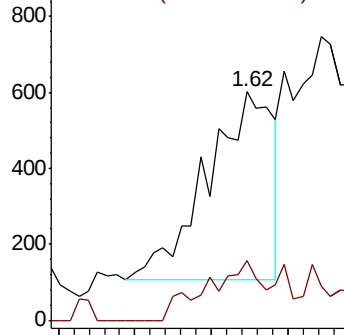
64 100

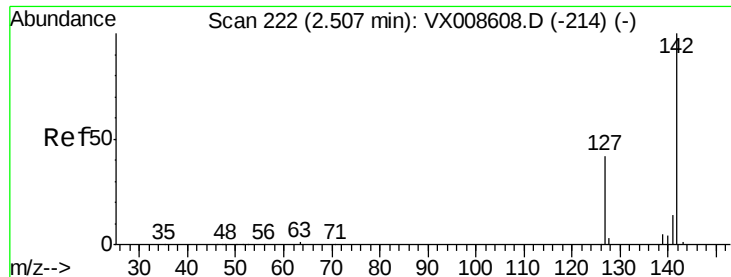
66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

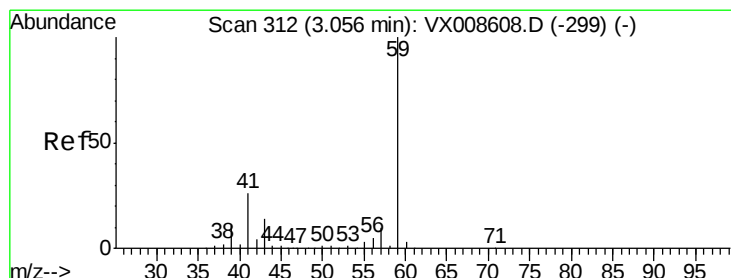
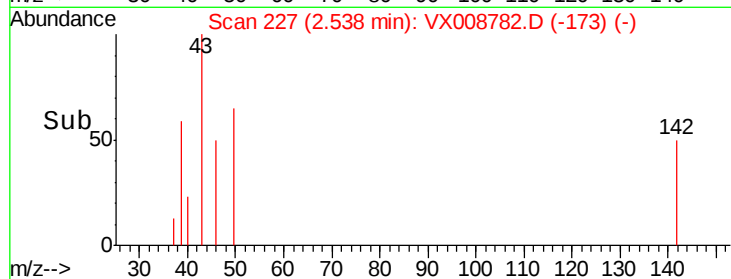
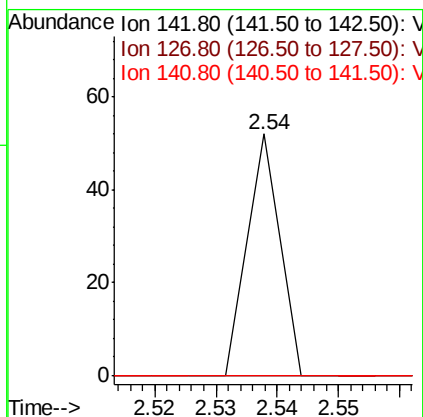
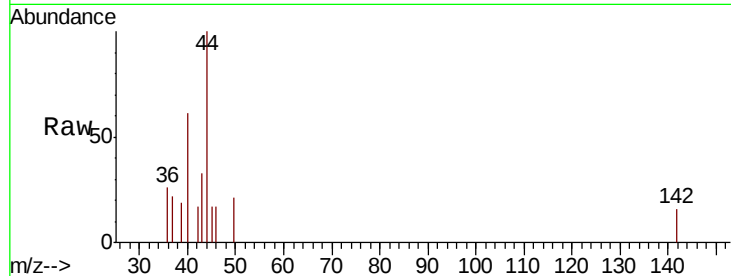




#10  
Methvl Iodide  
Concen: 4.011 ug/l  
RT: 2.54 min Scan# 227  
Delta R.T. 0.03 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

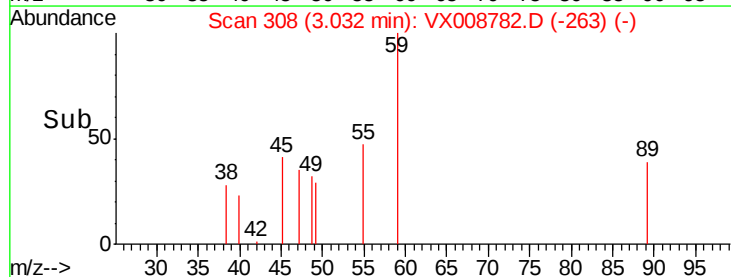
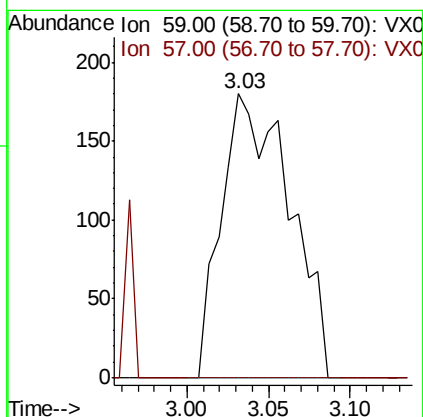
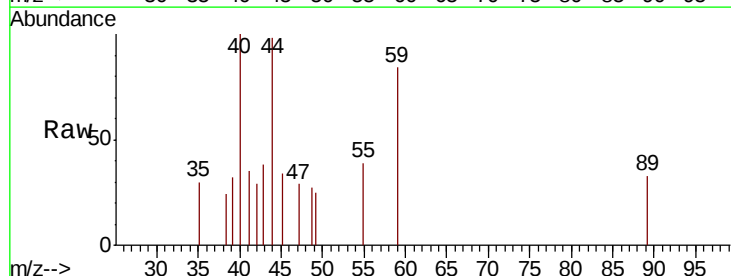
Instrument :  
MSVOA\_X  
ClientSampleId :

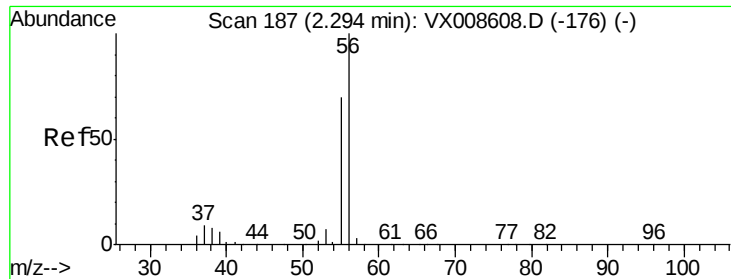
Tot Ion:142 Resp: 19  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.0 49.6#  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 0.739 ug/l  
RT: 3.03 min Scan# 308  
Delta R.T. -0.02 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion: 59 Resp: 524  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

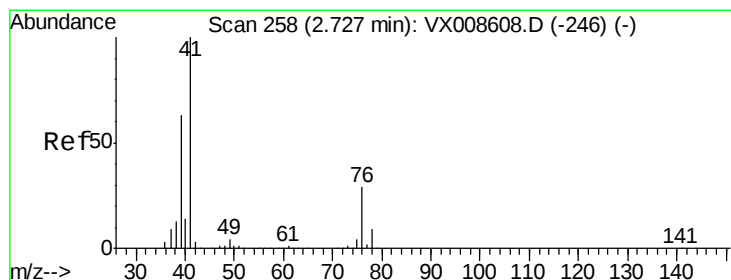
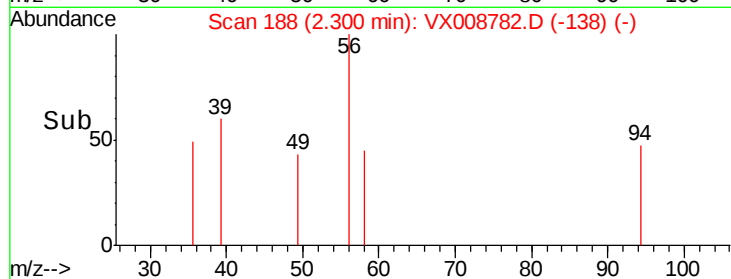
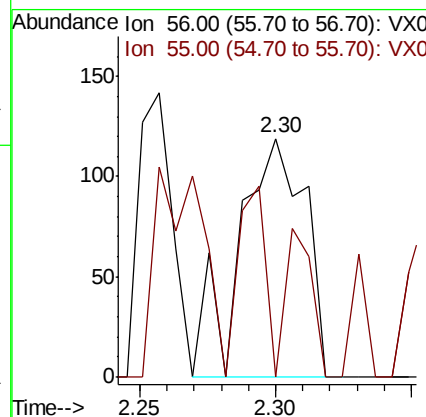
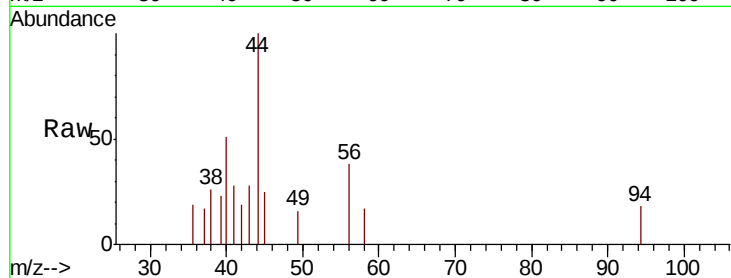




#13  
 Acrolein  
 Concen: 0.568 ug/l  
 RT: 2.30 min Scan# 188  
 Delta R.T. 0.01 min  
 Lab File: VX008782.D  
 Acq: 09 Apr 2019 19:42

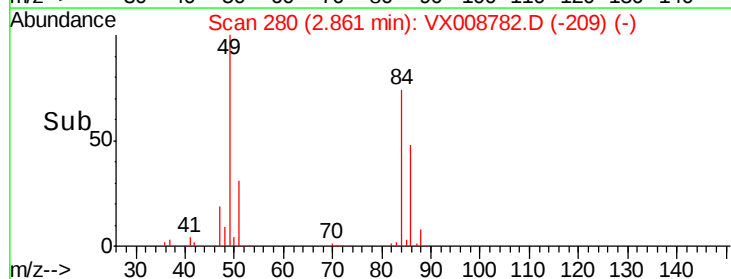
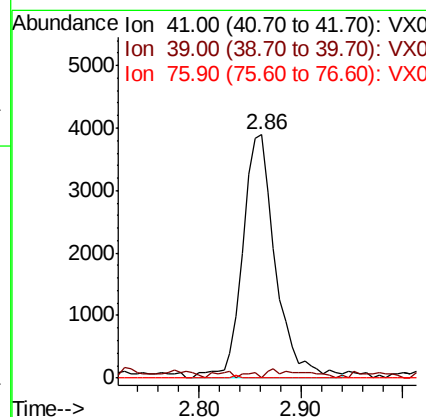
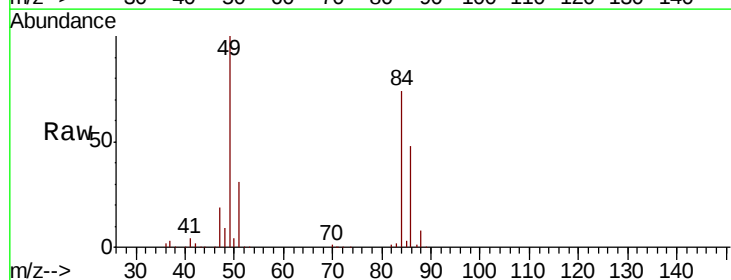
Instrument :  
 MSVOA\_X  
 ClientSampleId :

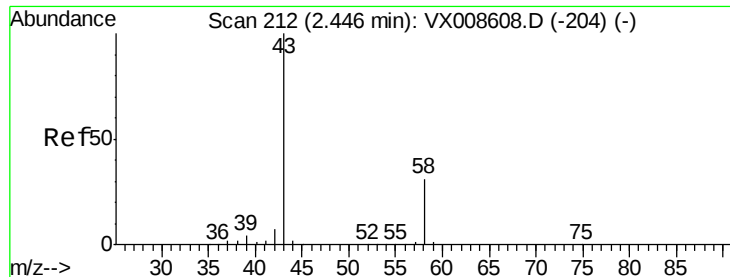
Tot Ion: 56 Resp: 200  
 Ion Ratio Lower Upper  
 56 100  
 55 32.5 58.0 87.0#



#14  
 Allyl chloride  
 Concen: 1.584 ug/l  
 RT: 2.86 min Scan# 280  
 Delta R.T. 0.13 min  
 Lab File: VX008782.D  
 Acq: 09 Apr 2019 19:42

Tgt Ion: 41 Resp: 8711  
 Ion Ratio Lower Upper  
 41 100  
 39 1.0 48.0 72.0#  
 76 0.0 22.0 33.0#





#16

Acetone

Concen: 7.999 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

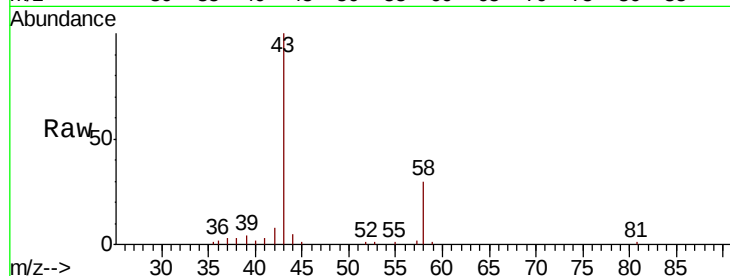
ClientSampled :

Tot Ion: 43 Resp: 13962

Ion Ratio Lower Upper

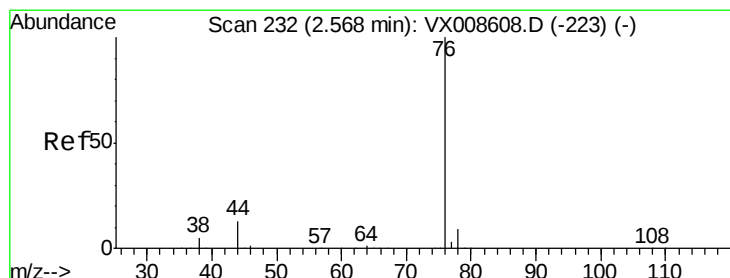
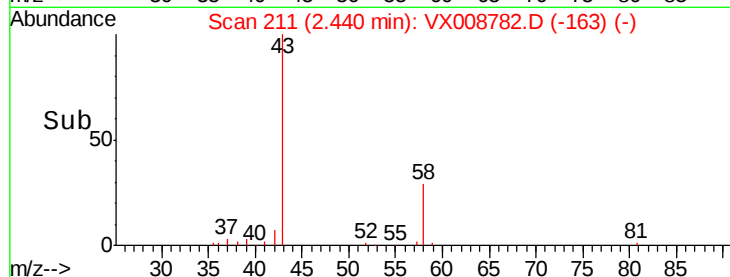
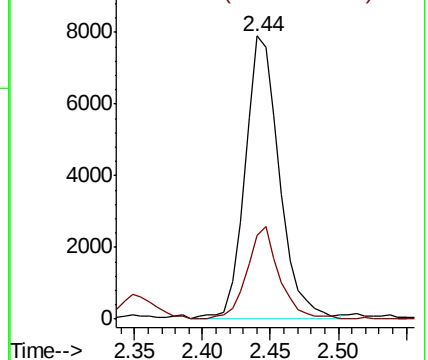
43 100

58 29.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008782.D

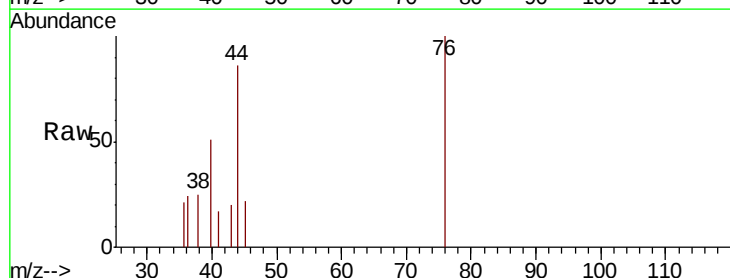
Acq: 09 Apr 2019 19:42

Tgt Ion: 76 Resp: 719

Ion Ratio Lower Upper

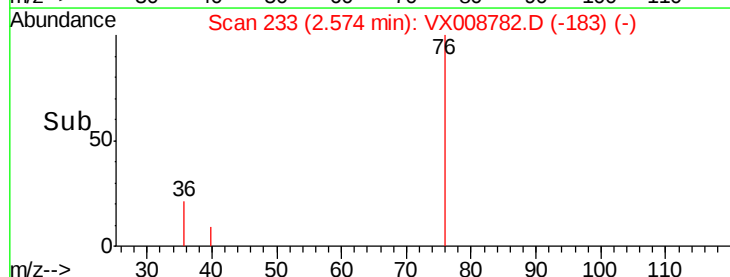
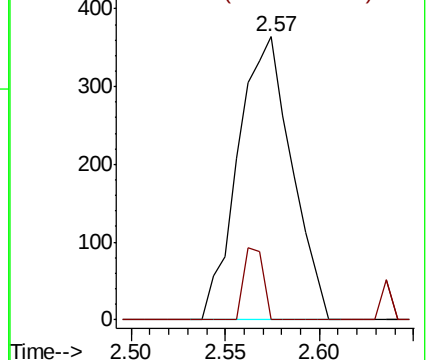
76 100

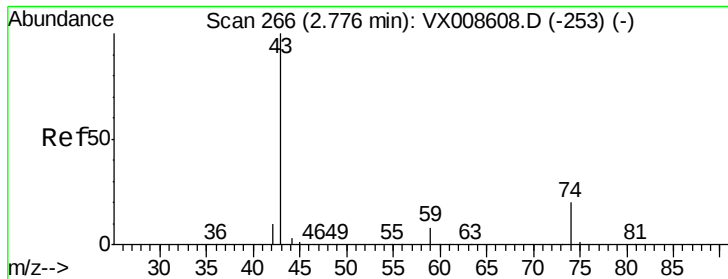
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

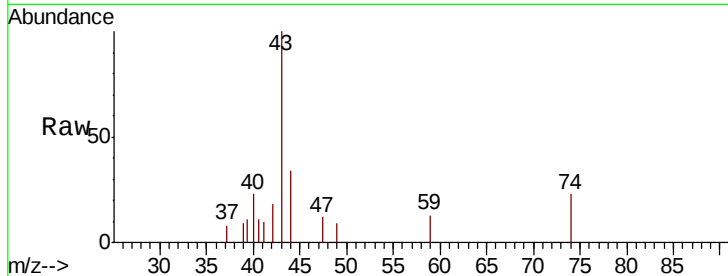




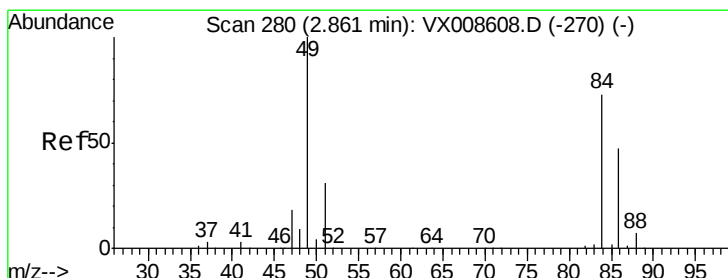
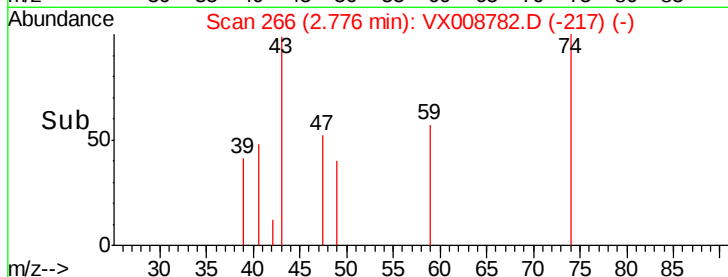
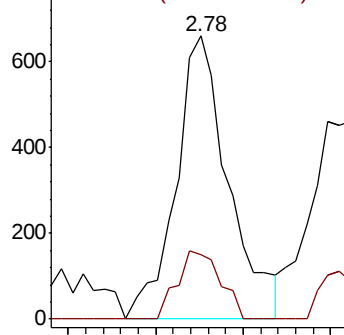
#18  
Methyl Acetate  
Concen: 0.325 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 43 Resp: 1376  
Ion Ratio Lower Upper  
43 100  
74 19.7 16.5 24.7

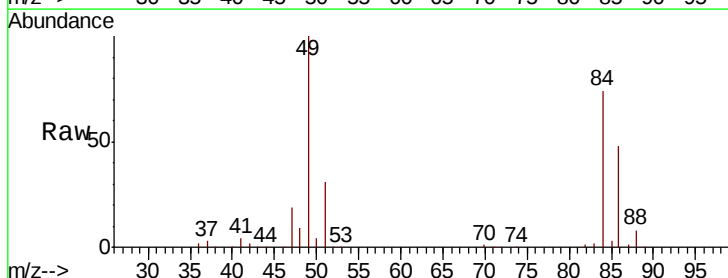


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 74.00 (73.70 to 74.70): VX0

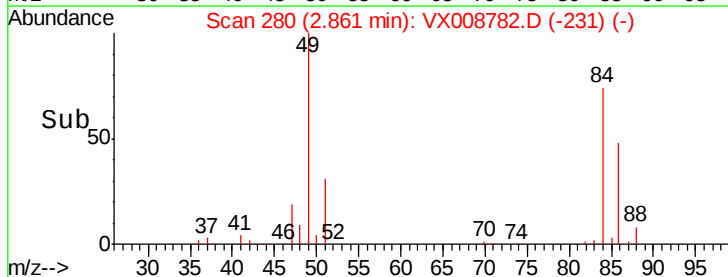
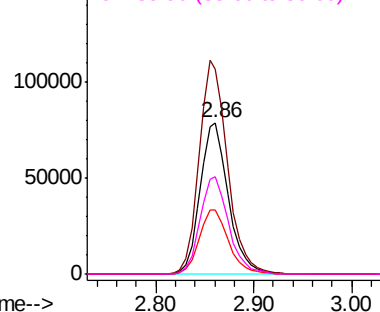


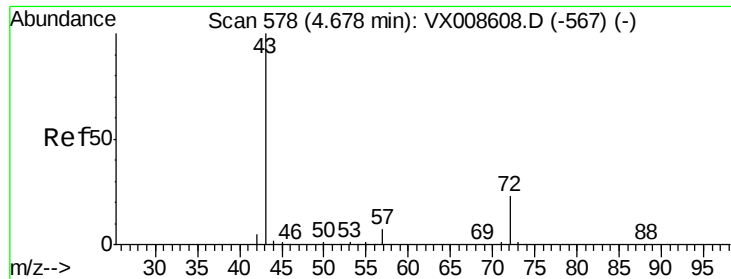
#20  
Methylene Chloride  
Concen: 53.832 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion: 84 Resp: 157290  
Ion Ratio Lower Upper  
84 100  
49 135.9 109.7 164.5  
51 42.4 33.6 50.4  
86 64.6 51.4 77.2



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





#25

2-Butanone

Concen: 1.211 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

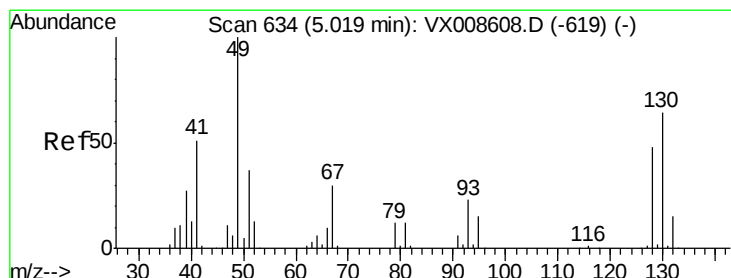
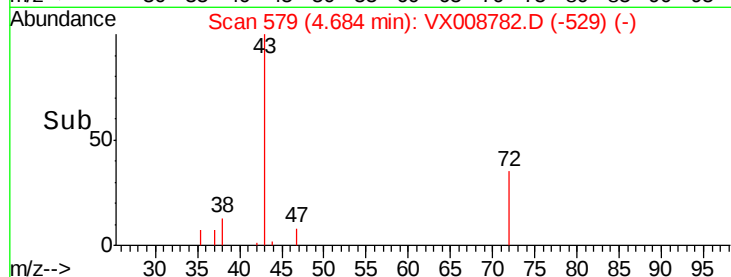
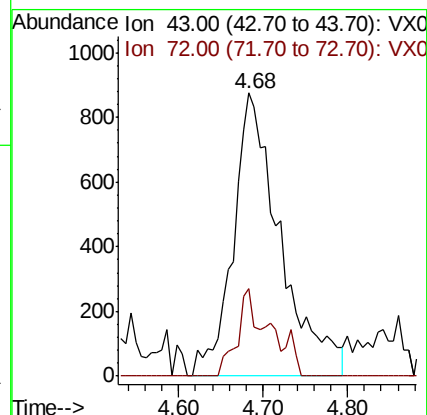
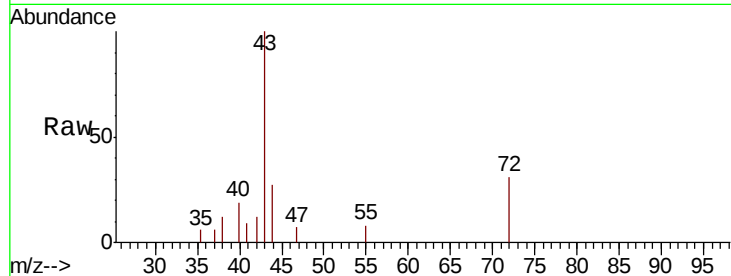
ClientSampleId :

Tot Ion: 43 Resp: 3340

Ion Ratio Lower Upper

43 100

72 30.7 18.2 27.4#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

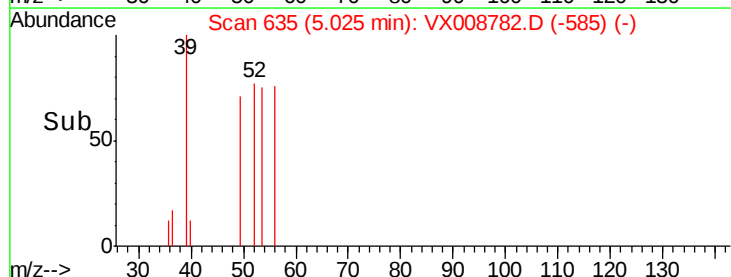
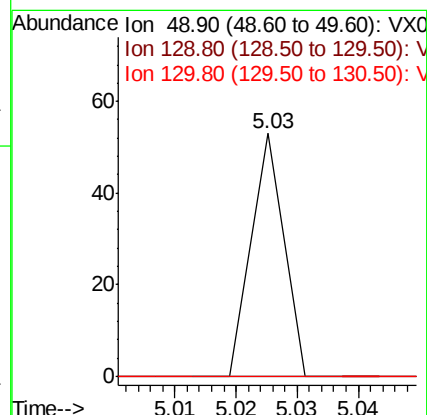
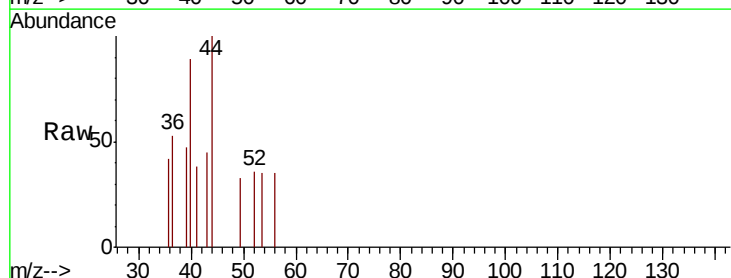
Tgt Ion: 49 Resp: 19

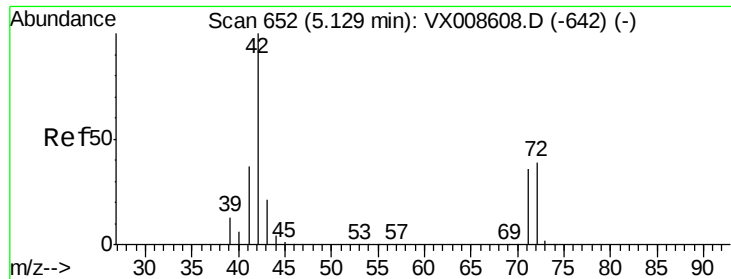
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#

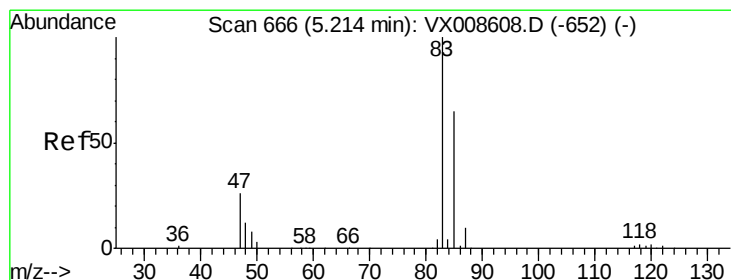
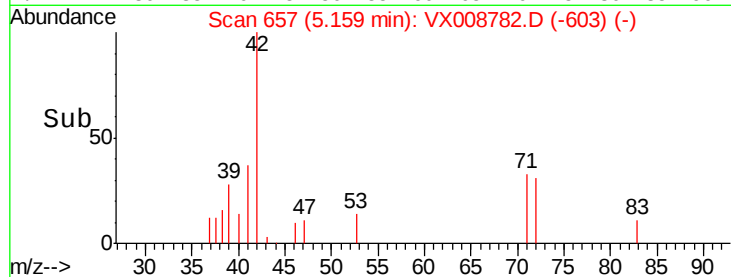
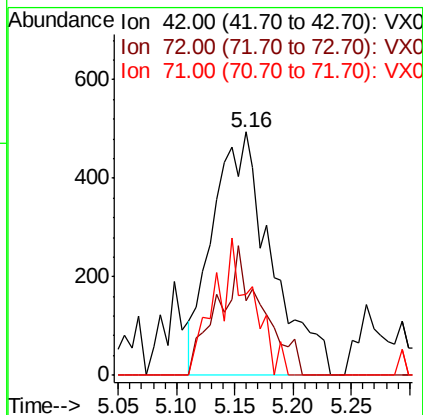
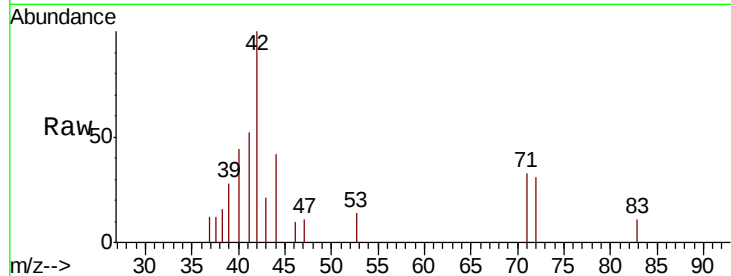




#29  
Tetrahydrofuran  
Concen: 0.941 ug/l  
RT: 5.16 min Scan# 657  
Delta R.T. 0.03 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

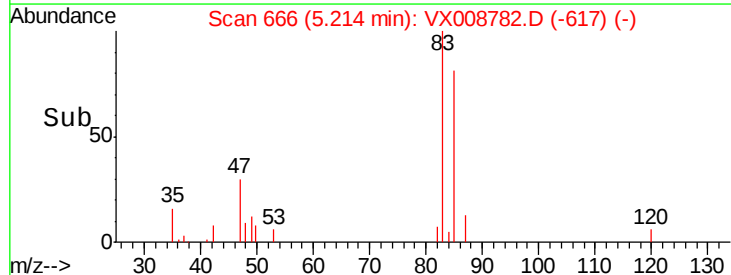
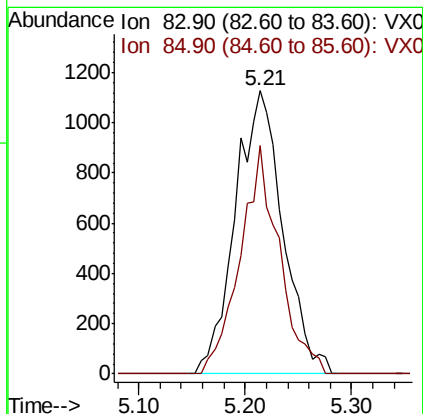
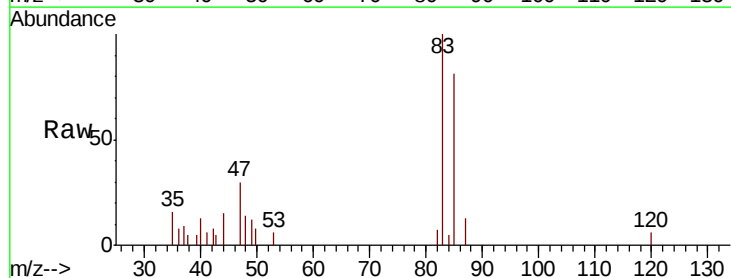
Instrument :  
MSVOA\_X  
ClientSampled :

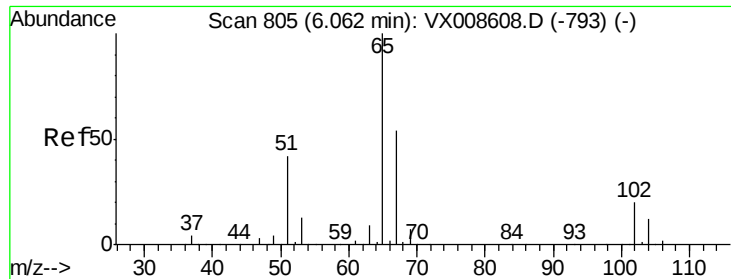
Tot Ion: 42 Resp: 1723  
Ion Ratio Lower Upper  
42 100  
72 39.5 30.5 45.7  
71 35.8 28.6 43.0



#30  
Chloroform  
Concen: 0.753 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion: 83 Resp: 3529  
Ion Ratio Lower Upper  
83 100  
85 80.6 52.1 78.1#





#33

1,2-Dichloroethane-d4

Concen: 47.271 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

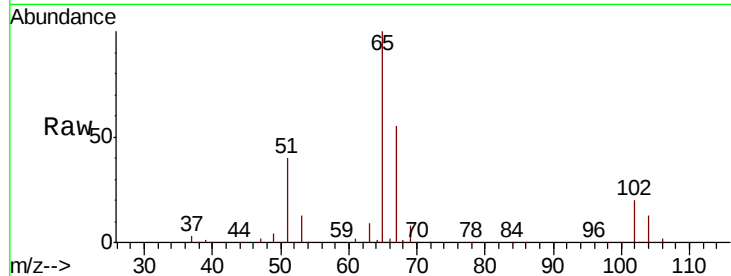
ClientSampleId :

Tot Ion: 65 Resp: 143264

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

30000

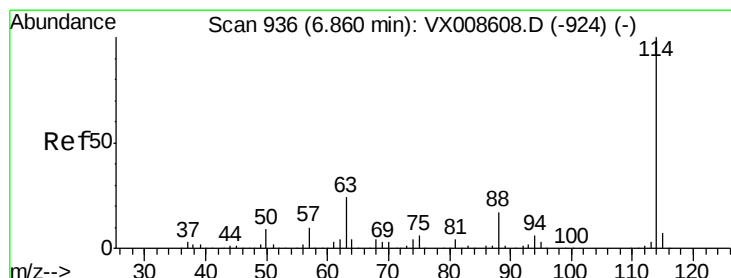
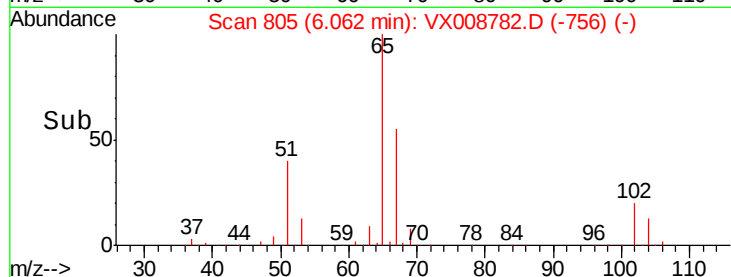
20000

10000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

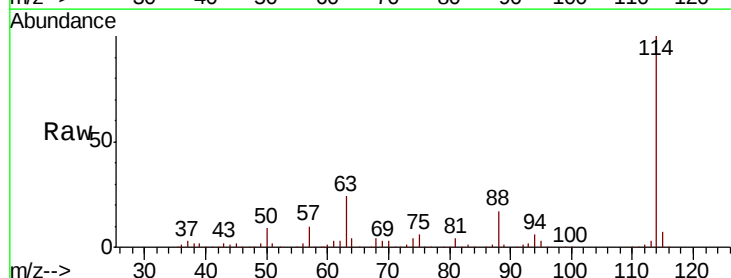
Tgt Ion: 114 Resp: 346428

Ion Ratio Lower Upper

114 100

63 23.5 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

200000

150000

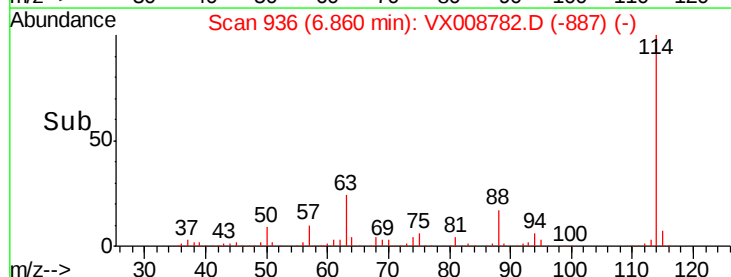
100000

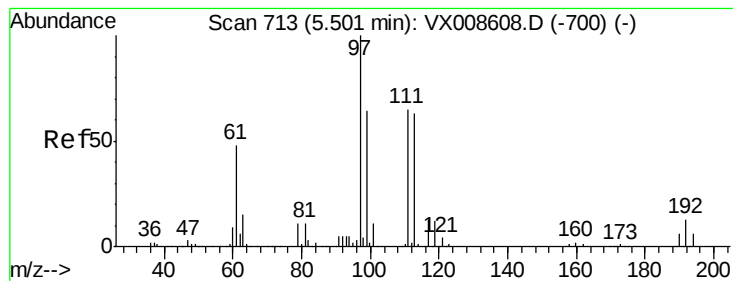
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.305 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

ClientSampleId :

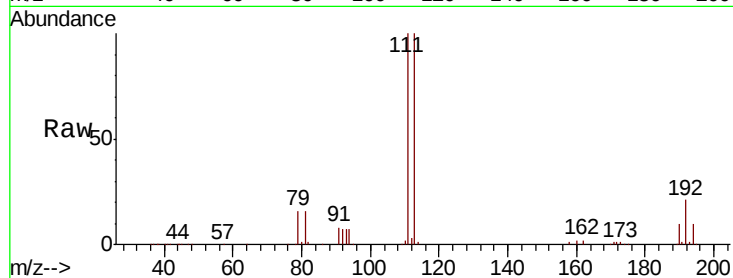
Tot Ion:113 Resp: 104777

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

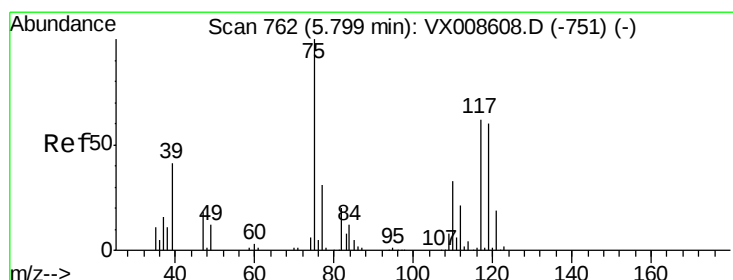
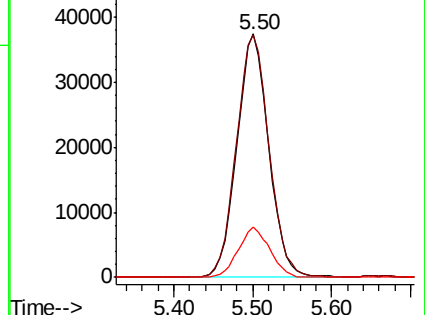
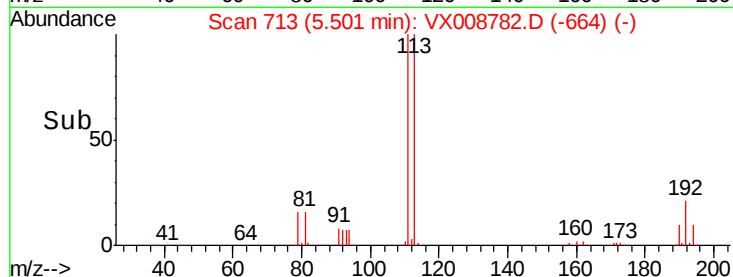
192 20.5 16.1 24.1



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: 4.486 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

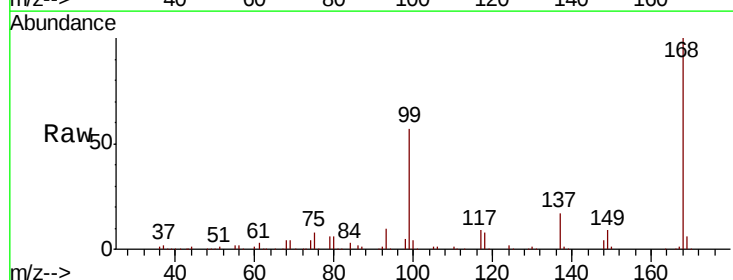
Tgt Ion: 75 Resp: 16986

Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.2#

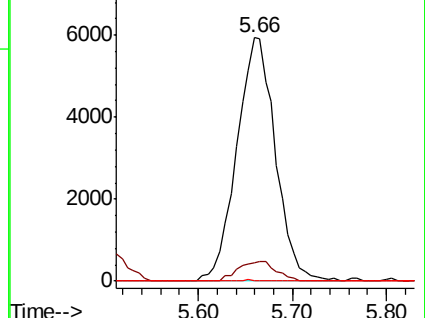
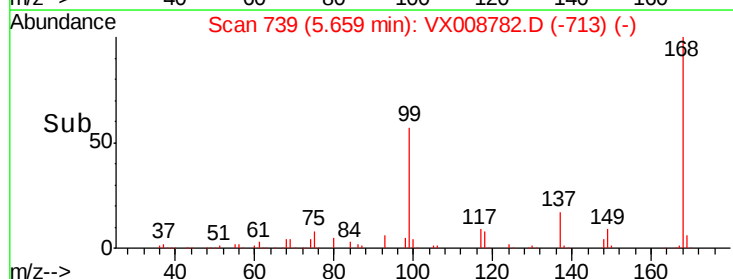
77 0.1 24.7 37.1#

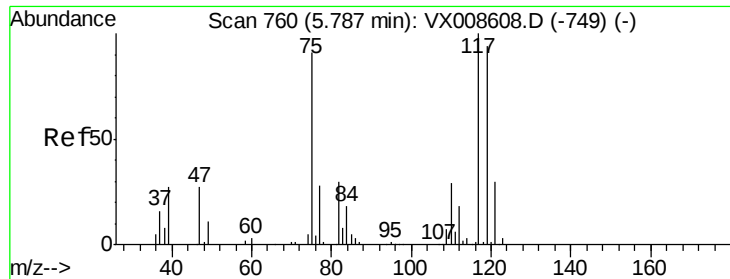


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

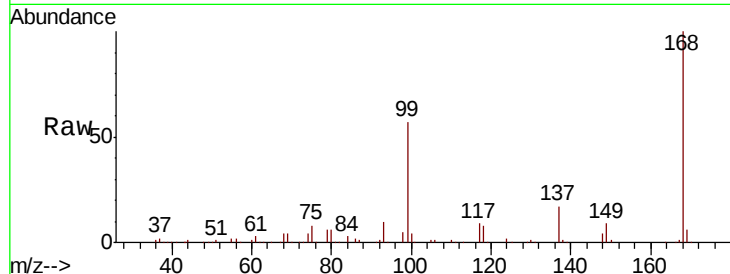




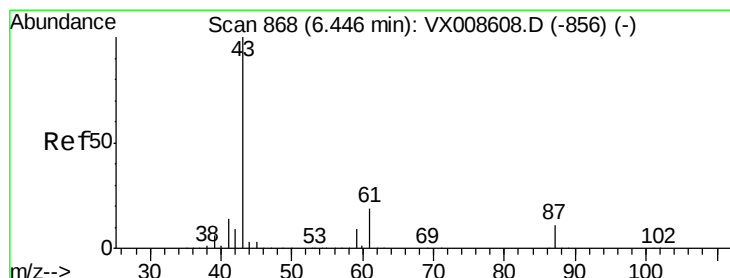
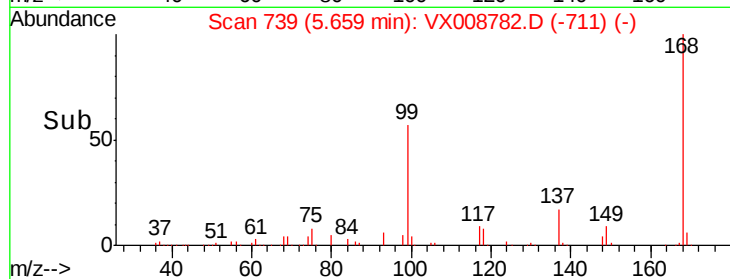
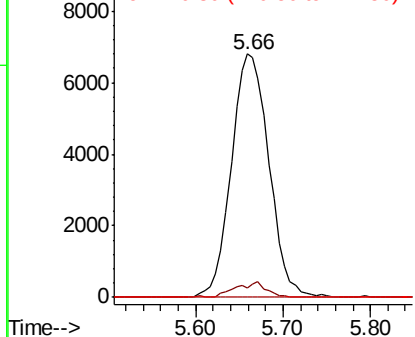
#38  
Carbon Tetrachloride  
Concen: 6.459 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. -0.13 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:117 Resp: 20243  
Ion Ratio Lower Upper  
117 100  
119 4.0 75.0 112.6#  
121 0.0 24.3 36.5#

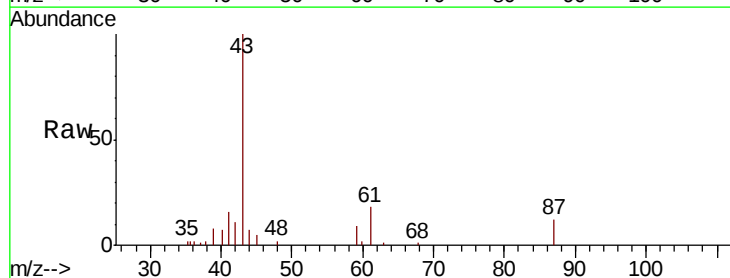


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

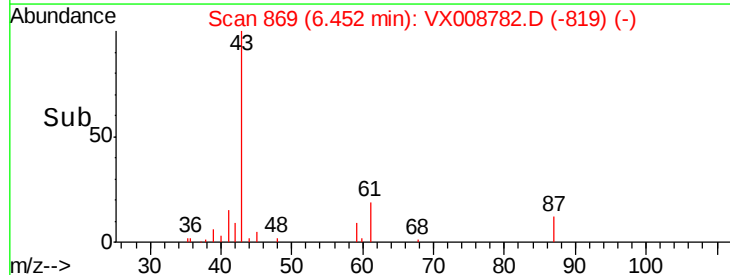
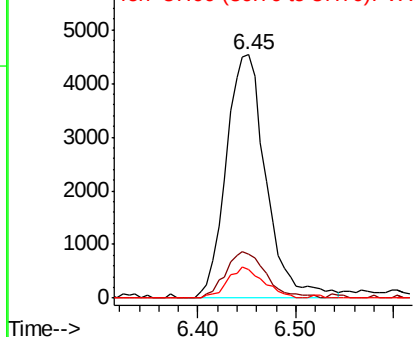


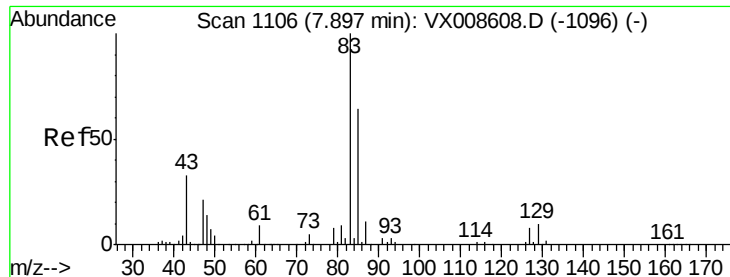
#43  
Isopropyl Acetate  
Concen: 1.619 ug/l  
RT: 6.45 min Scan# 869  
Delta R.T. 0.01 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion: 43 Resp: 12818  
Ion Ratio Lower Upper  
43 100  
61 19.4 15.3 22.9  
87 11.6 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





#47

Bromodichloromethane

Concen: 0.292 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

ClientSampleId :

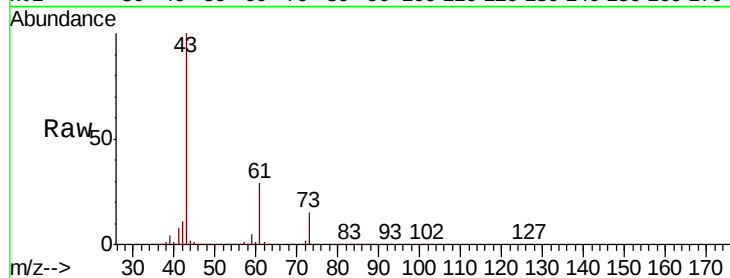
Tot Ion: 83 Resp: 1029

Ion Ratio Lower Upper

83 100

85 62.1 51.2 76.8

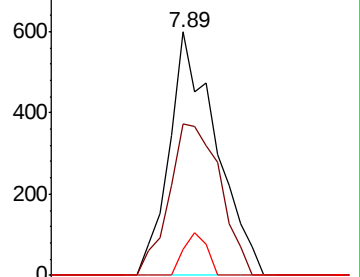
127 10.7 6.6 10.0#



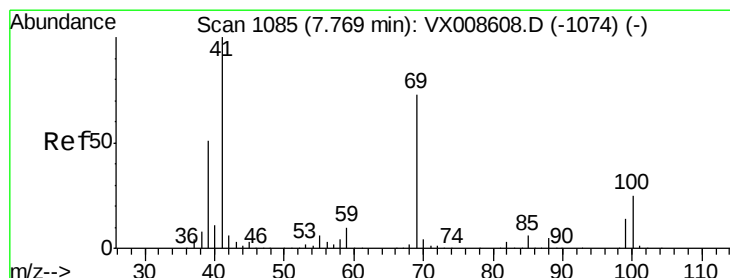
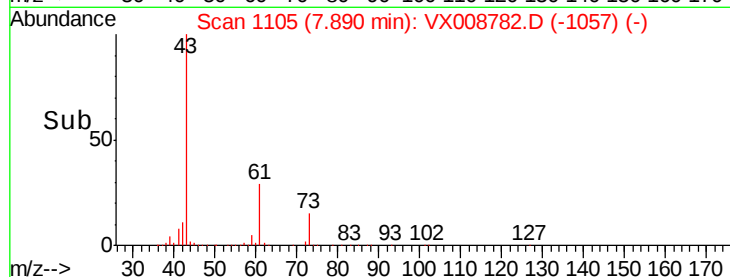
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 1.980 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

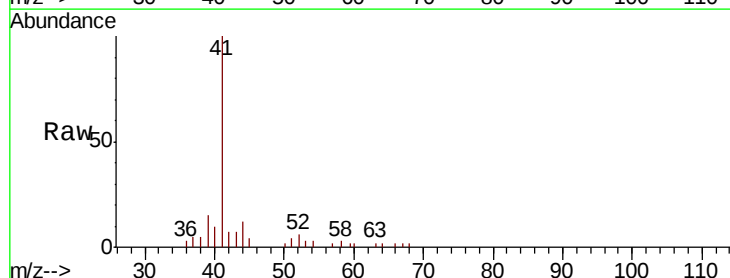
Tgt Ion: 41 Resp: 7929

Ion Ratio Lower Upper

41 100

69 0.0 59.0 88.4#

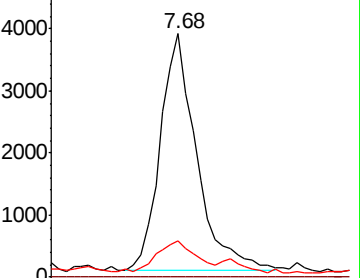
39 0.0 41.0 61.4#



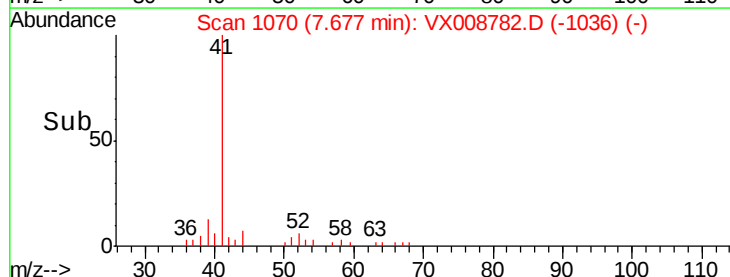
Abundance Ion 41.00 (40.70 to 41.70): VX0

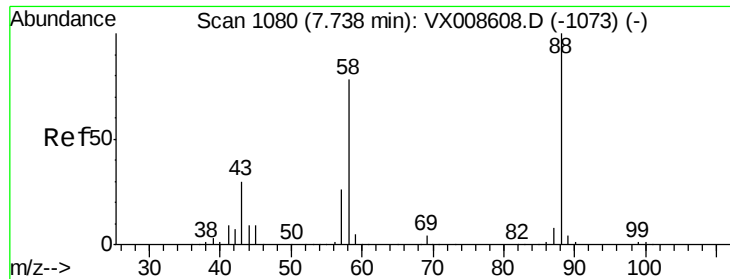
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

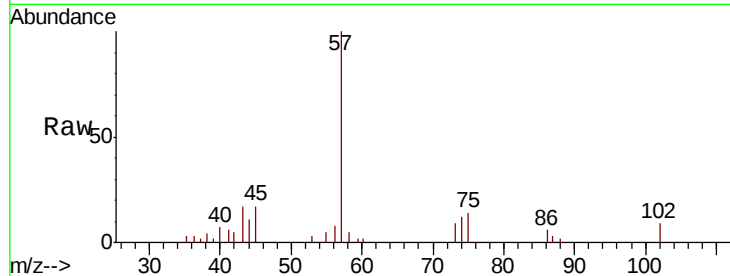




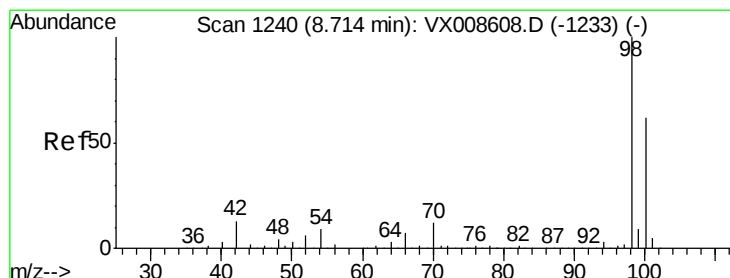
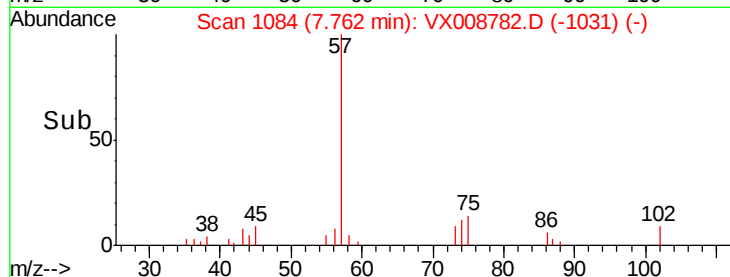
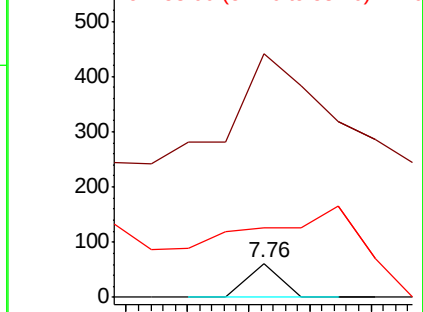
#49  
 1,4-Dioxane  
 Concen: 0.307 ug/l  
 RT: 7.76 min Scan# 1084  
 Delta R.T. 0.02 min  
 Lab File: VX008782.D  
 Acq: 09 Apr 2019 19:42

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tot Ion: 88 Resp: 23  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 28.6 43.0#  
 58 965.2 62.2 93.2#

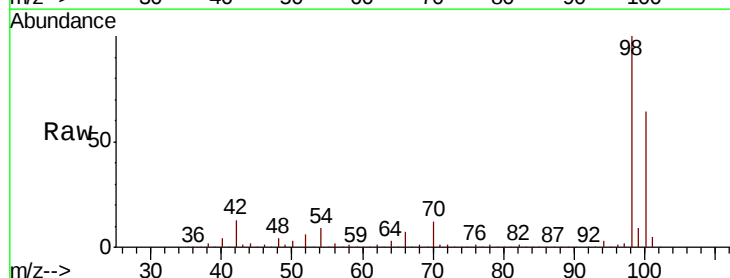


Abundance Ion 88.00 (87.70 to 88.70): VX0  
 Ion 43.00 (42.70 to 43.70): VX0  
 Ion 58.00 (57.70 to 58.70): VX0

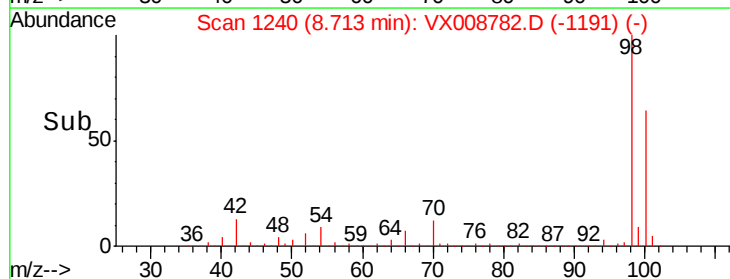
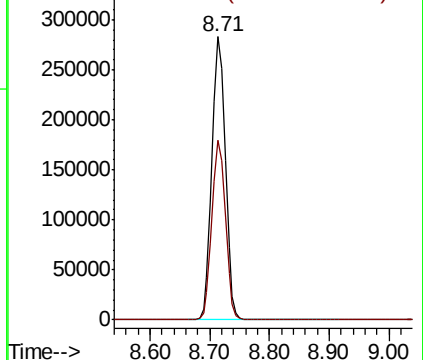


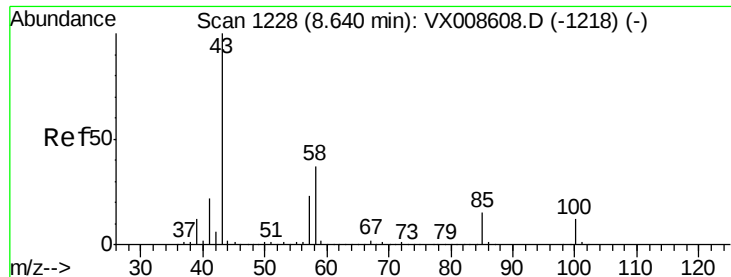
#50  
 Toluene-d8  
 Concen: 49.608 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX008782.D  
 Acq: 09 Apr 2019 19:42

Tgt Ion: 98 Resp: 437507  
 Ion Ratio Lower Upper  
 98 100  
 100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 17.829 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

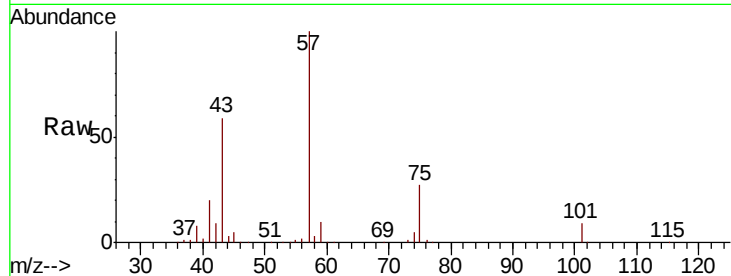
ClientSampleId :

Tot Ion: 43 Resp: 90877

Ion Ratio Lower Upper

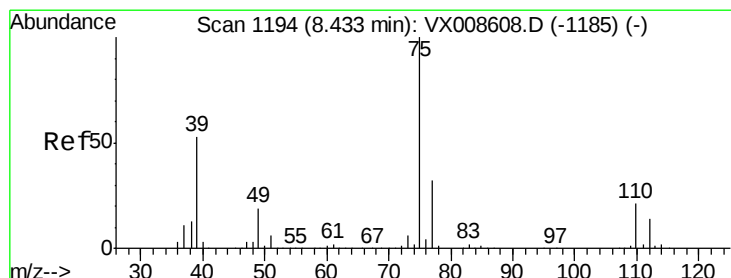
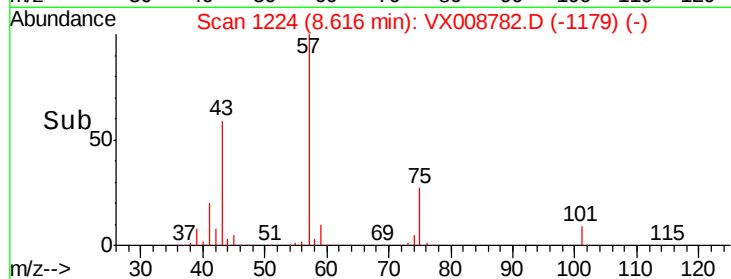
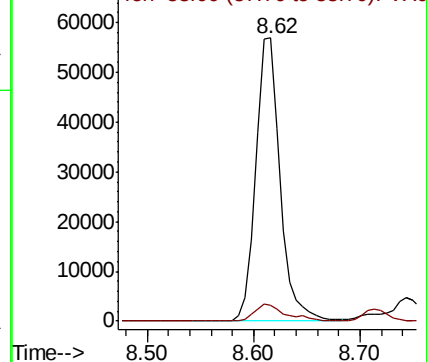
43 100

58 7.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 8.764 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

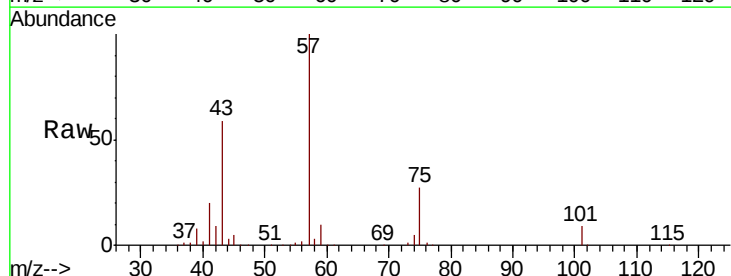
Tgt Ion: 75 Resp: 39500

Ion Ratio Lower Upper

75 100

77 0.4 25.3 37.9#

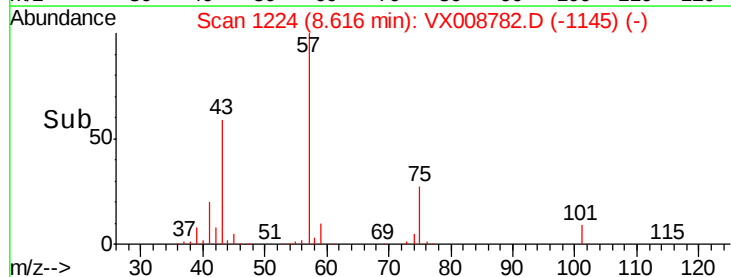
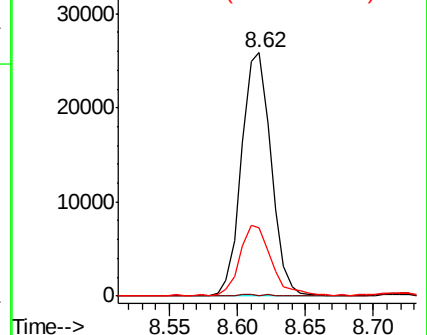
39 28.1 42.6 63.8#

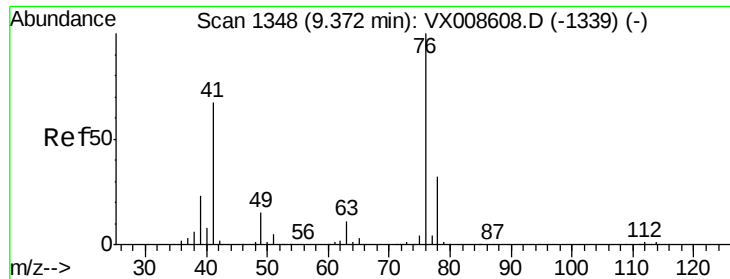


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

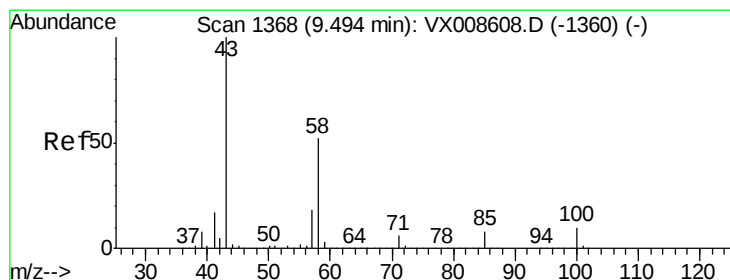
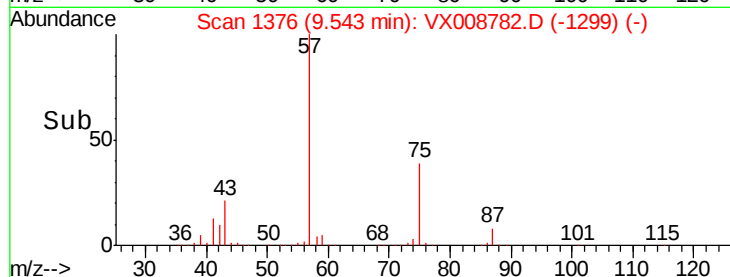
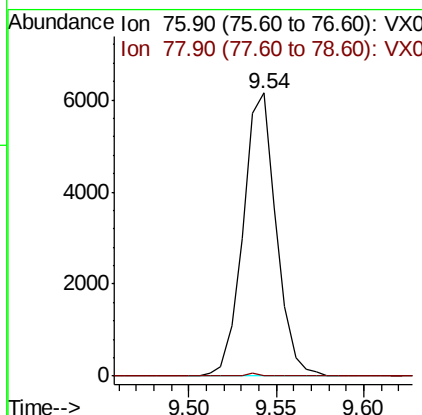
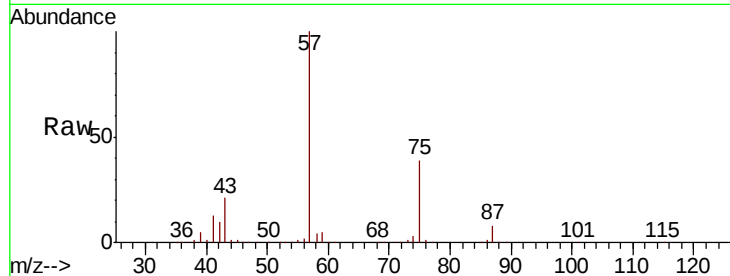




#57  
 1,3-Dichloropropane  
 Concen: 1.679 ug/l  
 RT: 9.54 min Scan# 1376  
 Delta R.T. 0.17 min  
 Lab File: VX008782.D  
 Acq: 09 Apr 2019 19:42

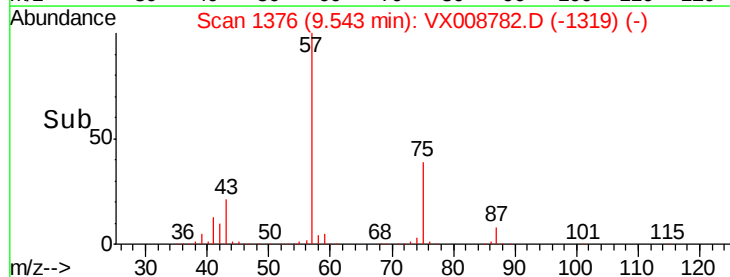
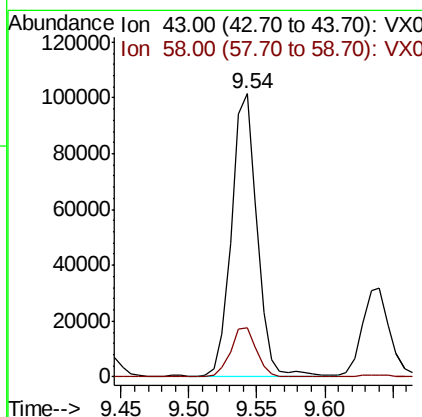
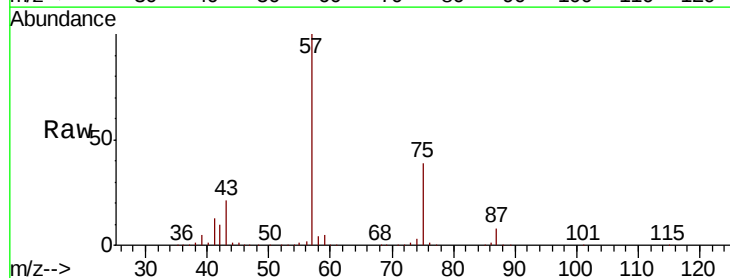
Instrument :  
 MSVOA\_X  
 ClientSampleId :

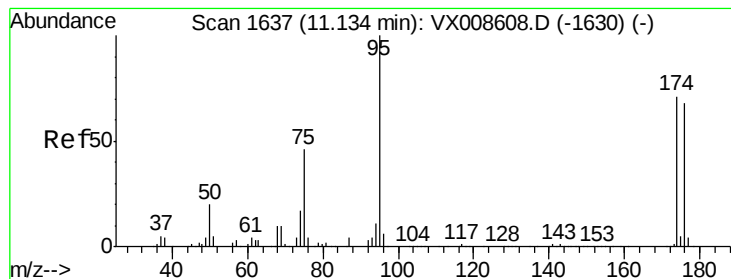
Tot Ion: 76 Resp: 8048  
 Ion Ratio Lower Upper  
 76 100  
 78 0.3 25.6 38.4#



#59  
 2-Hexanone  
 Concen: 33.453 ug/l  
 RT: 9.54 min Scan# 1376  
 Delta R.T. 0.05 min  
 Lab File: VX008782.D  
 Acq: 09 Apr 2019 19:42

Tgt Ion: 43 Resp: 132514  
 Ion Ratio Lower Upper  
 43 100  
 58 18.1 25.9 77.7#





#62

4-Bromofluorobenzene

Concen: 47.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

ClientSampleId :

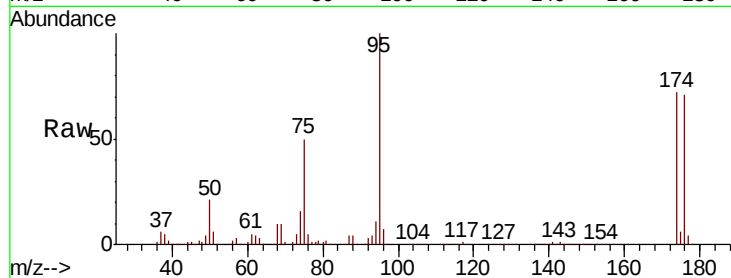
Tot Ion: 95 Resp: 147105

Ion Ratio Lower Upper

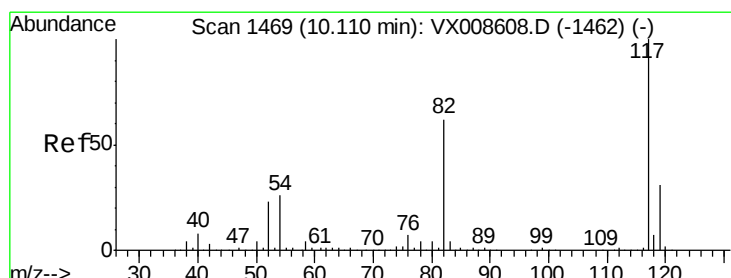
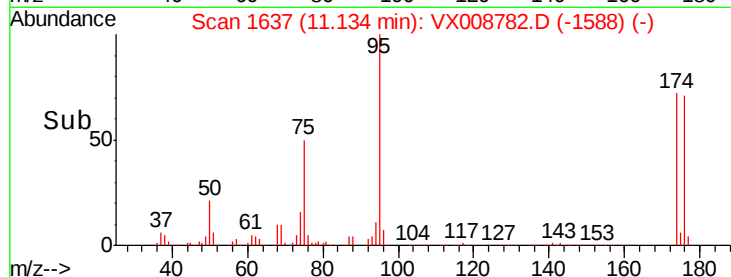
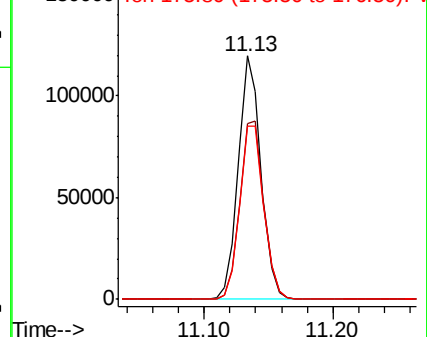
95 100

174 77.4 0.0 151.8

176 75.7 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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

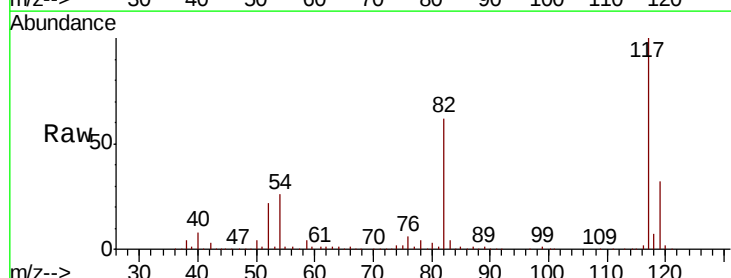
Tgt Ion: 117 Resp: 301405

Ion Ratio Lower Upper

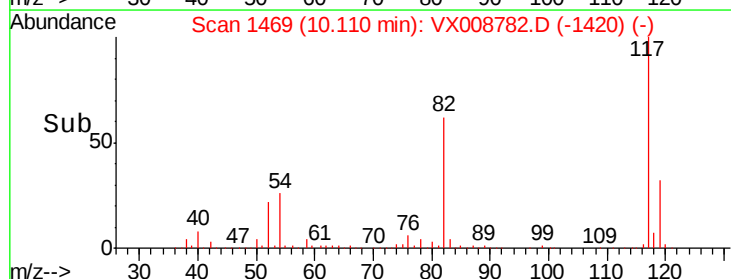
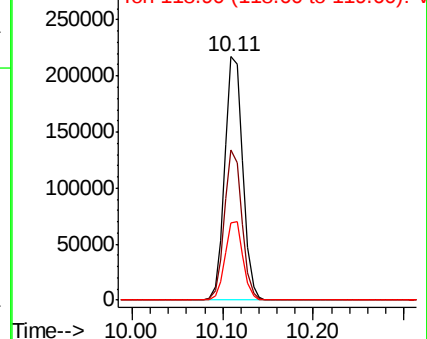
117 100

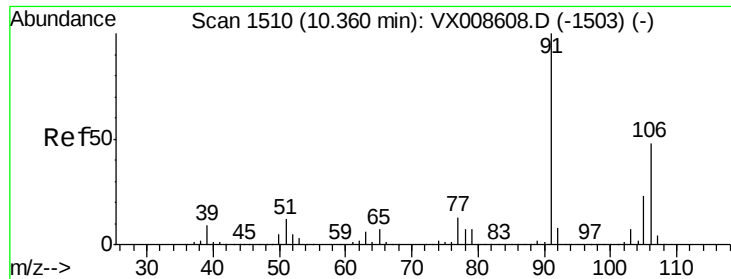
82 61.6 49.6 74.4

119 31.9 25.0 37.4



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

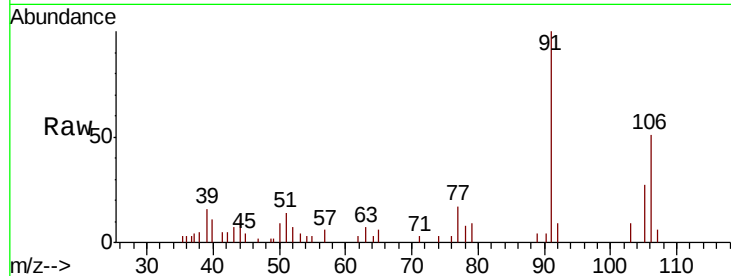




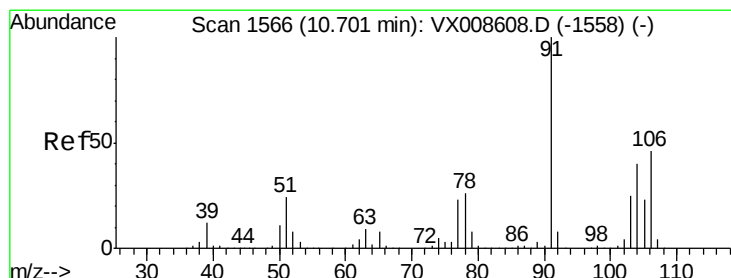
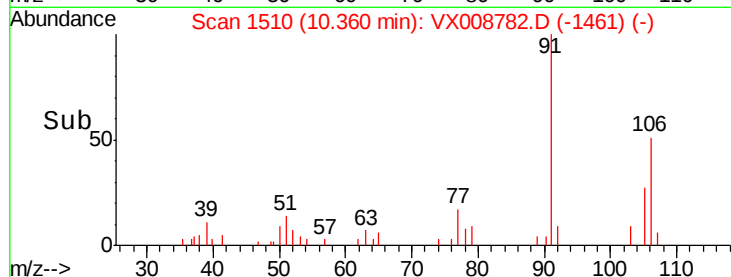
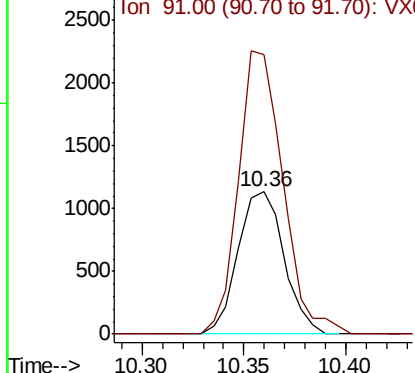
#68  
m/p-Xylenes  
Concen: 0.397 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:106 Resp: 1779  
Ion Ratio Lower Upper  
106 100  
91 192.2 168.5 252.7

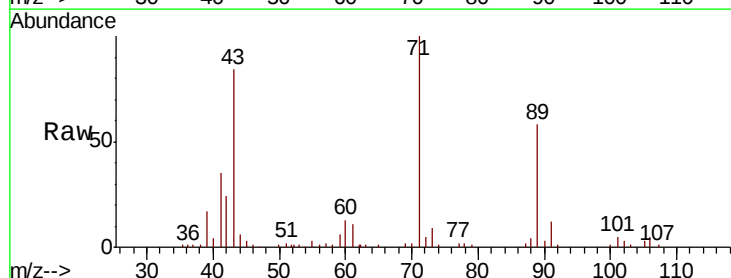


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

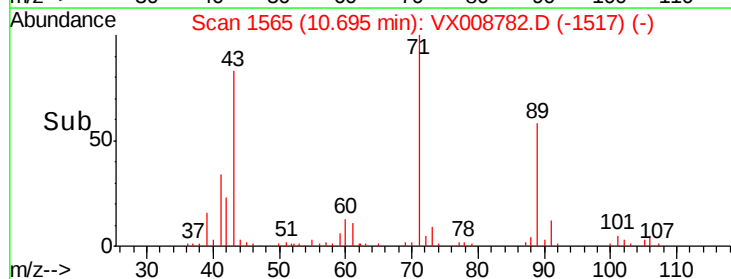
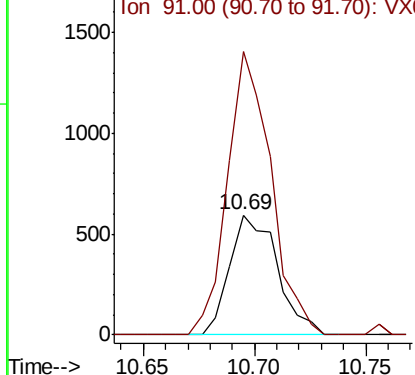


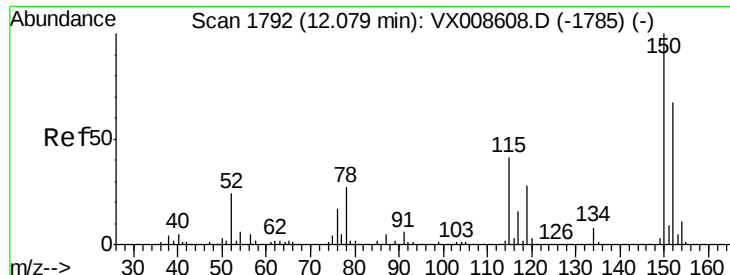
#69  
o-Xylene  
Concen: 0.203 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion:106 Resp: 882  
Ion Ratio Lower Upper  
106 100  
91 216.7 111.5 334.4



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: VX008782.D

Acq: 09 Apr 2019 19:42

Instrument :

MSVOA\_X

ClientSampled :

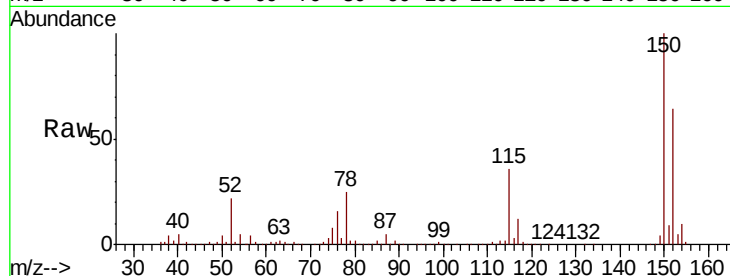
Tot Ion:152 Resp: 129812

Ion Ratio Lower Upper

152 100

115 59.4 43.5 130.5

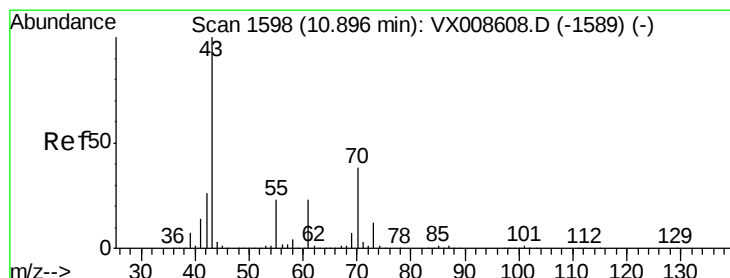
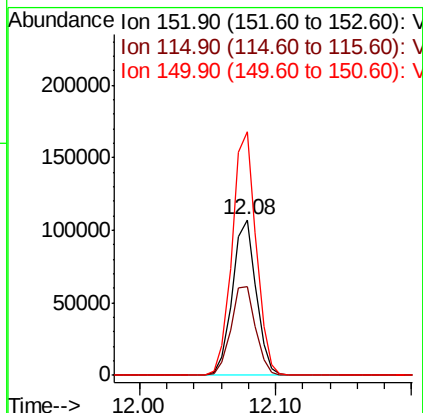
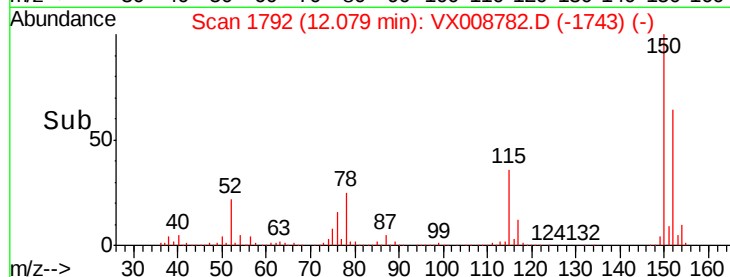
150 158.0 0.0 348.8



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



#74

N-ethyl acetate

Concen: 1.918 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX008782.D

Acq: 09 Apr 2019 19:42

Tgt Ion: 43 Resp: 12142

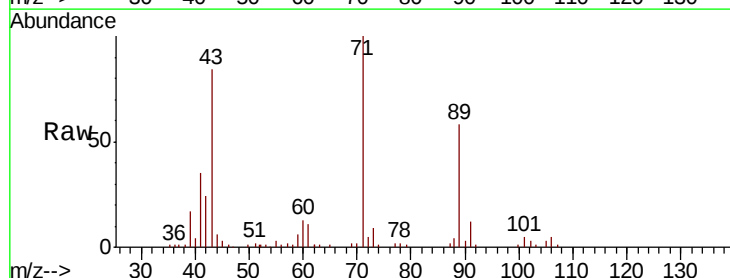
Ion Ratio Lower Upper

43 100

70 2.5 30.2 45.4#

55 4.9 18.2 27.4#

61 11.6 18.6 28.0#

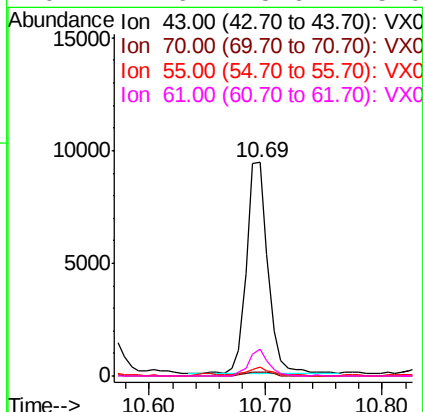
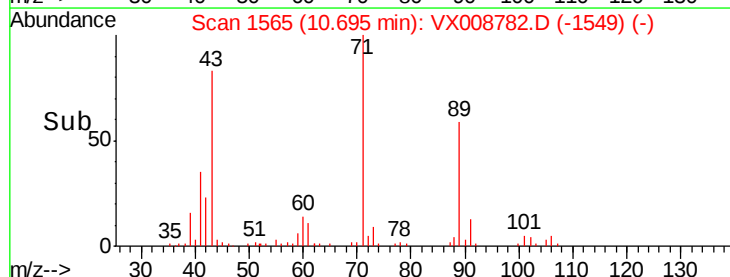


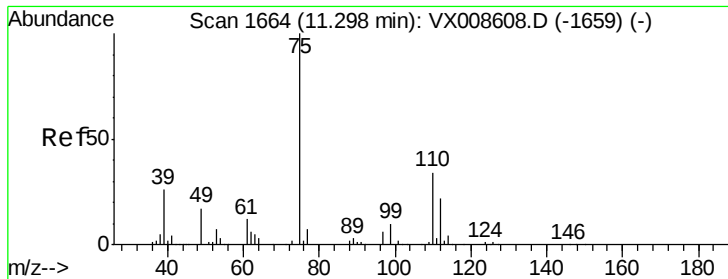
Abundance Ion 43.00 (42.70 to 43.70): VX0

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



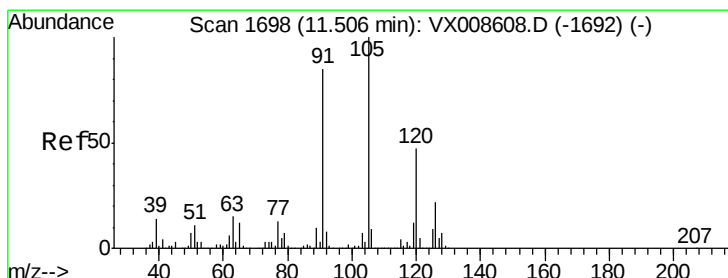
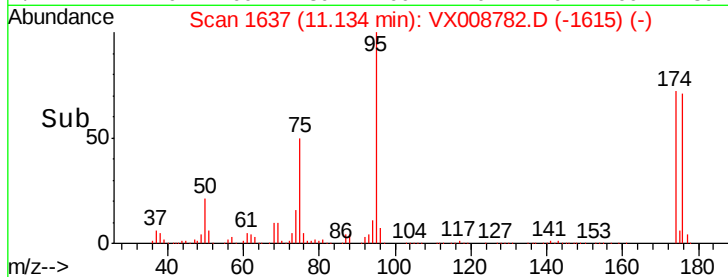
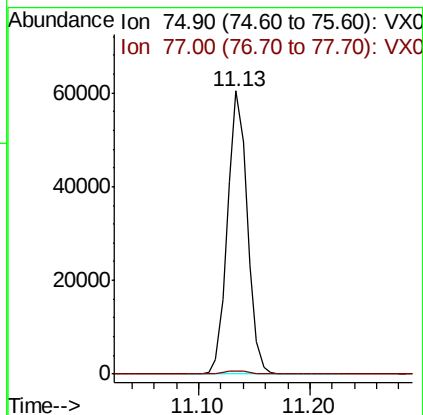
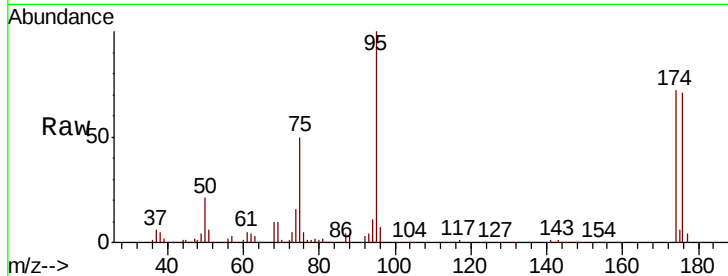


#76

1,2,3-Trichloropropane  
Concen: 20.834 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.16 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Instrument :  
MSVOA\_X  
ClientSampleId :

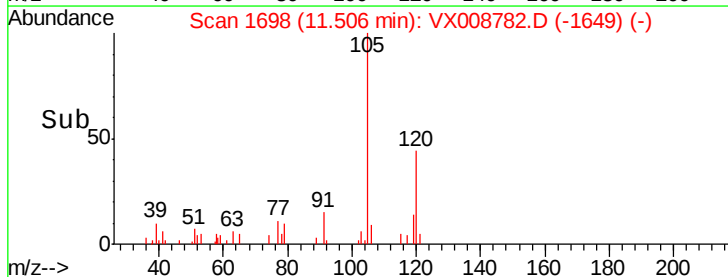
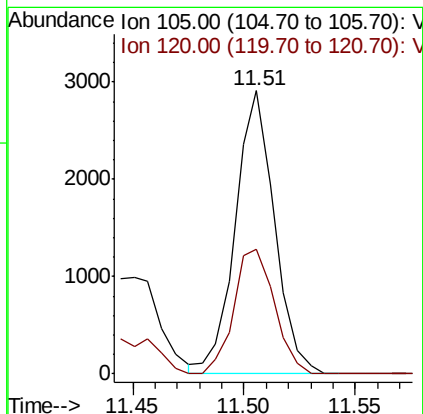
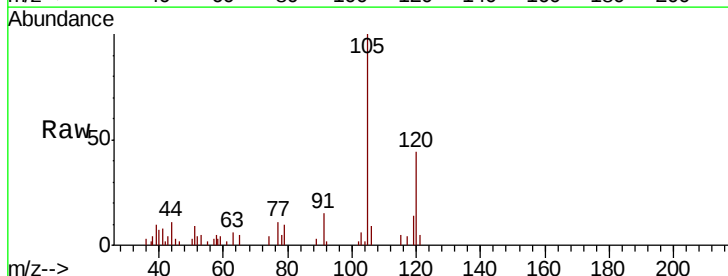
Tot Ion: 75 Resp: 74296  
Ion Ratio Lower Upper  
75 100  
77 1.4 22.3 66.8#

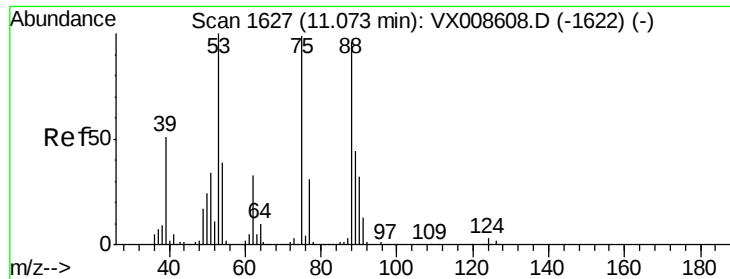


#80

1,3,5-Trimethylbenzene  
Concen: 0.395 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion:105 Resp: 3569  
Ion Ratio Lower Upper  
105 100  
120 45.6 23.5 70.6

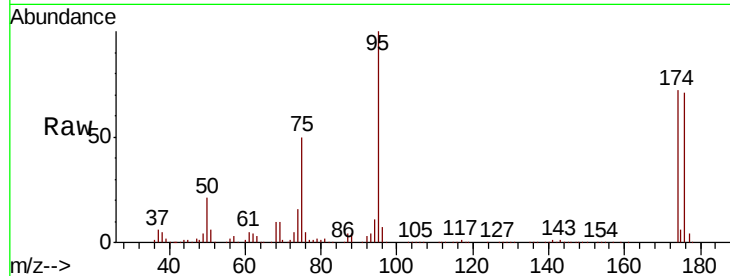




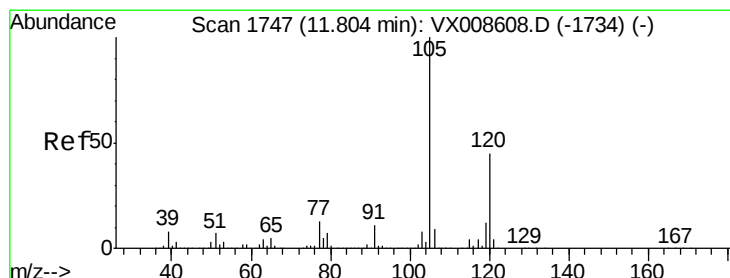
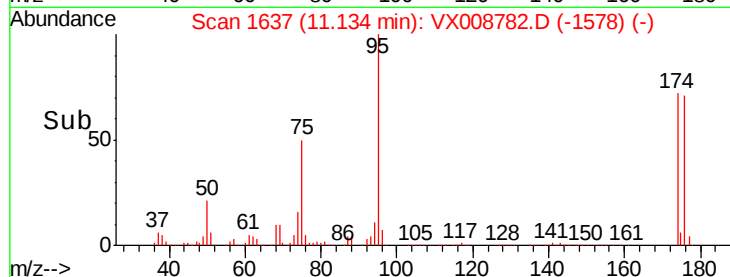
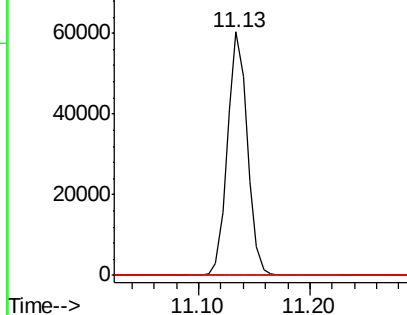
#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.430 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 75 Resp: 74296  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.3 121.9#  
89 0.0 35.6 53.4#

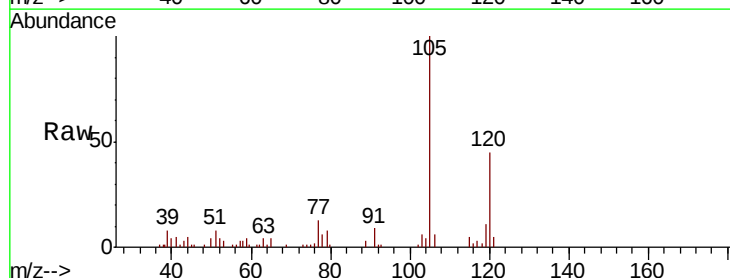


Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 53.00 (52.70 to 53.70): VX0  
Ion 88.90 (88.60 to 89.60): VX0

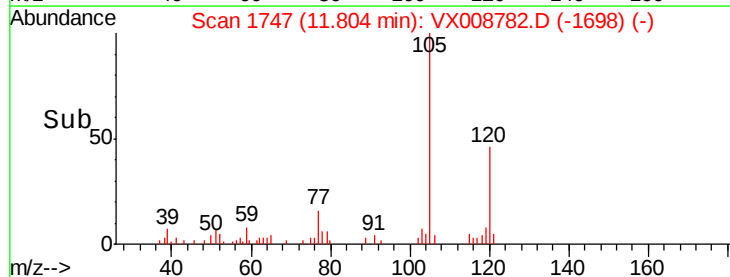
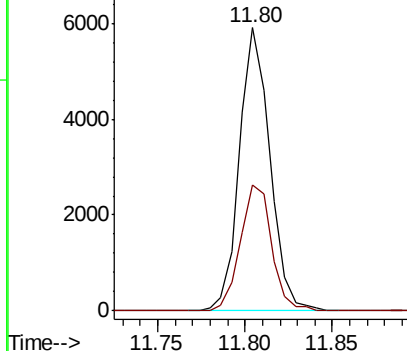


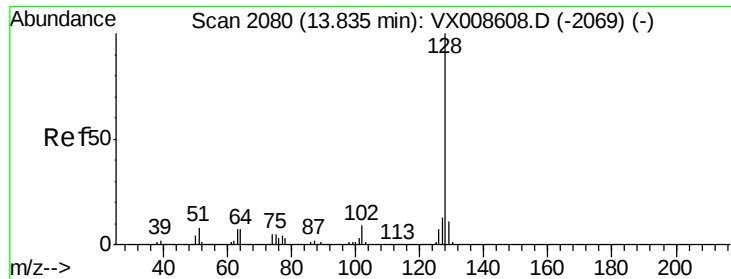
#84  
1,2,4-Trimethylbenzene  
Concen: 0.783 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Tgt Ion:105 Resp: 7162  
Ion Ratio Lower Upper  
105 100  
120 45.6 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

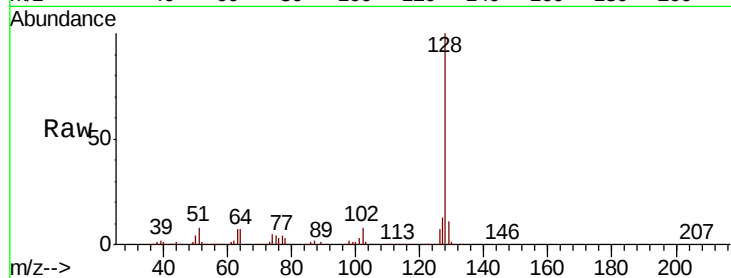




#95  
Naphthalene  
Concen: 6.266 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX008782.D  
Acq: 09 Apr 2019 19:42

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.4  | 15.6  |
| 129     | 11.3  | 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

