

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\  
 Data File : VV006995.D  
 Acq On : 10 Aug 2018 20:28  
 Operator : SY/MD  
 Sample : MDL06  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

Quant Time: Aug 11 00:21:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 11 00:19:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 242846   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 237782   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 95156    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 64343    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 60413    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 88927    | 3.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.40%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 250242   | 55.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.02% |
| 24) Chloroform-d               | 4.40   | 84    | 153410   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 82973    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 280212   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 100050   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.80%  |
| 41) Toluene-d8                 | 7.37   | 98    | 209277   | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 30446    | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.80%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 130569   | 43.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 80599    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 81986    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85   | 5053     | 0.214 | ug/L   | 95     |
| 3) Chloromethane               | 1.25 | 50   | 5110     | 0.225 | ug/L   | 96     |
| 5) Vinyl chloride              | 1.32 | 62   | 4875     | 0.207 | ug/L # | 65     |
| 6) Bromomethane                | 1.53 | 94   | 1366     | 0.268 | ug/L   | 79     |
| 8) Chloroethane                | 1.60 | 64   | 3200     | 0.224 | ug/L   | 86     |
| 9) Trichlorofluoromethane      | 1.77 | 101  | 6307     | 0.211 | ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101  | 4278     | 0.238 | ug/L   | 91     |
| 12) 1,1-Dichloroethene         | 2.14 | 96   | 4680     | 0.268 | ug/L # | 1      |
| 13) Acetone                    | 2.20 | 43   | 6641     | 2.861 | ug/L   | 99     |
| 15) Methyl Acetate             | 2.47 | 43   | 1613     | 0.247 | ug/L # | 85     |
| 16) Methylene chloride         | 2.54 | 84   | 6169     | 0.293 | ug/L   | 98     |
| 17) Methyl tert-butyl Ether    | 2.82 | 73   | 8738     | 0.209 | ug/L   | 93     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96   | 4090     | 0.219 | ug/L   | 93     |
| 19) 1,1-Dichloroethane         | 3.23 | 63   | 6828     | 0.203 | ug/L   | 94     |
| 21) 2-Butanone                 | 4.06 | 43   | 13691    | 2.717 | ug/L   | 90     |
| 22) cis-1,2-Dichloroethene     | 3.97 | 96   | 5109     | 0.241 | ug/L   | 84     |
| 23) Bromochloromethane         | 4.30 | 128  | 1788     | 0.207 | ug/L   | 85     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\  
 Data File : VV006995.D  
 Acq On : 10 Aug 2018 20:28  
 Operator : SY/MD  
 Sample : MDL06  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

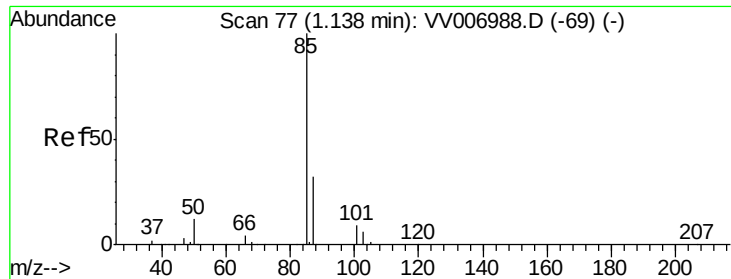
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

Quant Time: Aug 11 00:21:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 11 00:19:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 25) Chloroform                 | 4.43  | 83   | 8999     | 0.244 | ug/L   | 94       |
| 27) 1,2-Dichloroethane         | 5.19  | 62   | 5145     | 0.224 | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane      | 4.66  | 97   | 6488     | 0.205 | ug/L   | 98       |
| 33) Benzene                    | 5.16  | 78   | 17094    | 0.208 | ug/L   | 100      |
| 34) Trichloroethene            | 5.96  | 95   | 3986     | 0.202 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone       | 7.29  | 43   | 20613    | 1.692 | ug/L # | 89       |
| 44) trans-1,3-Dichloropropene  | 7.70  | 75   | 5250     | 0.235 | ug/L   | 86       |
| 45) 1,1,2-Trichloroethane      | 7.89  | 97   | 3386     | 0.231 | ug/L   | 92       |
| 47) Tetrachloroethene          | 8.03  | 164  | 3224     | 0.201 | ug/L   | 94       |
| 48) 2-Hexanone                 | 8.20  | 43   | 36179    | 4.211 | ug/L   | 94       |
| 49) Dibromochloromethane       | 8.30  | 129  | 3193     | 0.207 | ug/L   | 95       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 2606     | 0.210 | ug/L # | 95       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 3986     | 0.224 | ug/L # | 92       |
| 61) Bromoform                  | 9.78  | 173  | 1615     | 0.224 | ug/L # | 91       |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146  | 6913     | 0.225 | ug/L   | 94       |
| 63) 1,4-Dichlorobenzene        | 11.33 | 146  | 6890     | 0.218 | ug/L   | 89       |
| 65) 1,2-Dichlorobenzene        | 11.70 | 146  | 6286     | 0.208 | ug/L # | 88       |
| 66) 1,2-Dibromo-3-chloropropan | 12.49 | 75   | 503      | 0.234 | ug/L # | 73       |
| -----                          |       |      |          |       |        |          |

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





#2

Dichlorodifluoromethane

Concen: 0.214 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

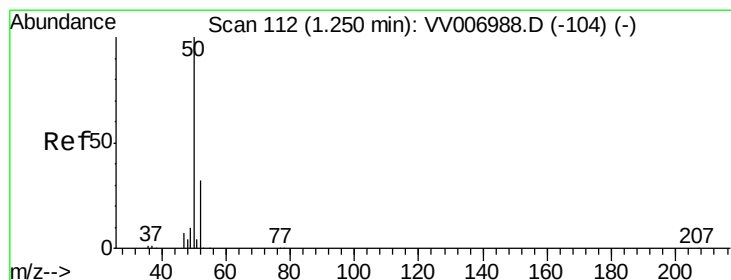
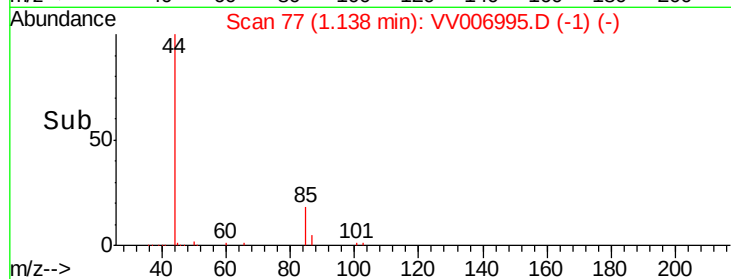
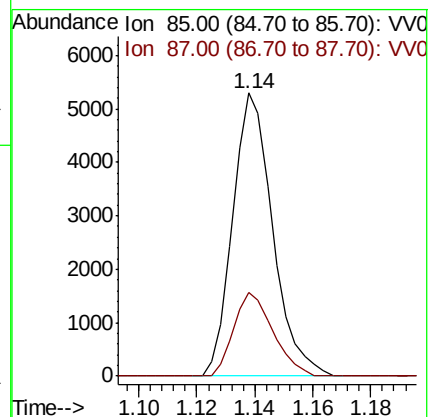
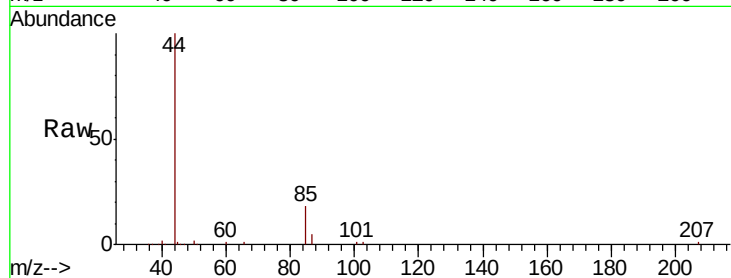
MDL06

Tot Ion: 85 Resp: 5053

Ion Ratio Lower Upper

85 100

87 29.1 25.4 38.2



#3

Chloromethane

Concen: 0.225 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006995.D

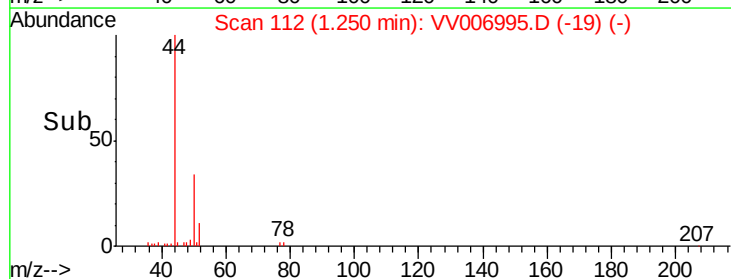
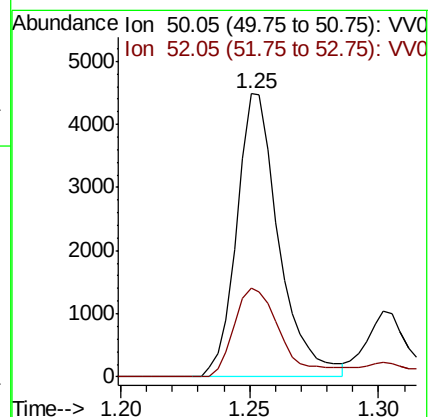
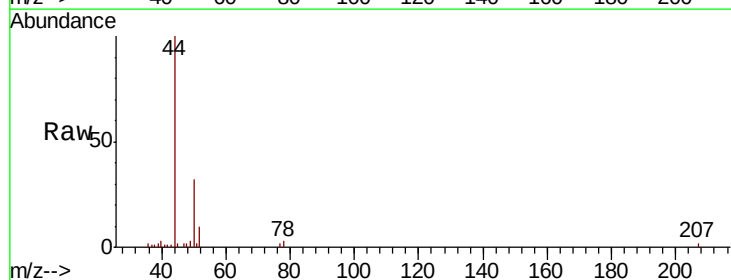
Acq: 10 Aug 2018 20:28

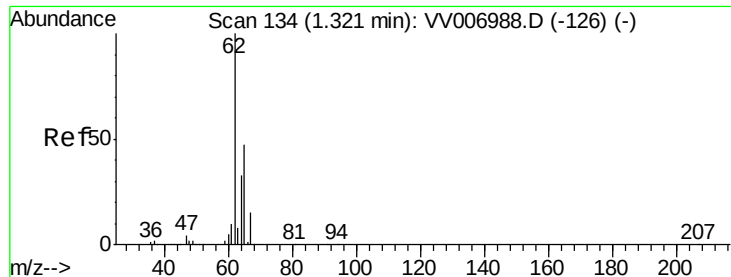
Tgt Ion: 50 Resp: 5110

Ion Ratio Lower Upper

50 100

52 31.3 23.6 43.8





#5

Vinyl chloride

Concen: 0.207 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

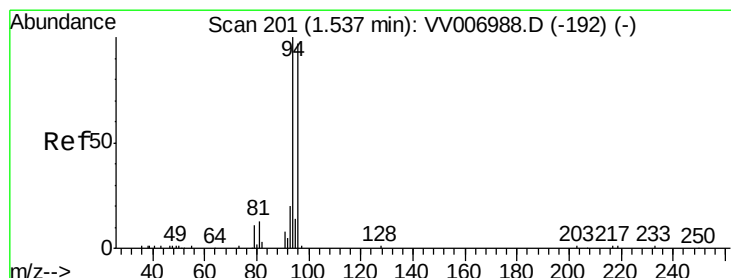
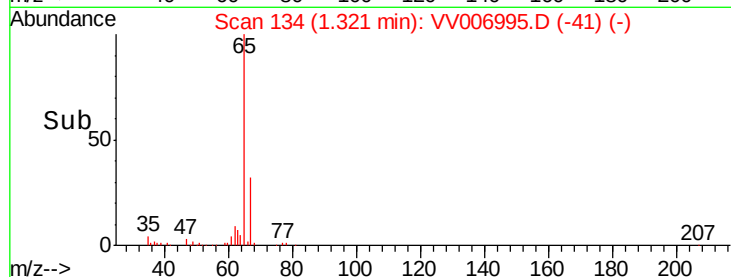
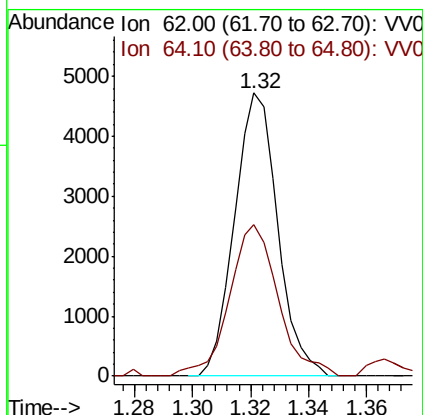
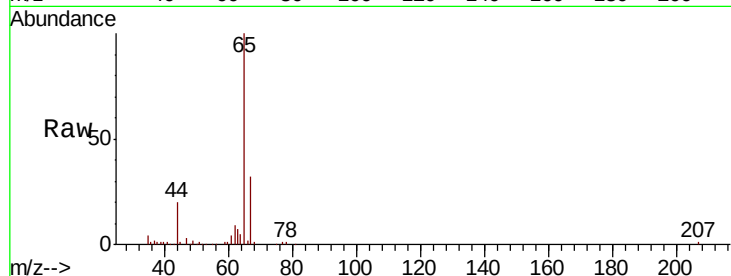
MDL06

Tot Ion: 62 Resp: 4875

Ion Ratio Lower Upper

62 100

64 53.3 23.5 43.7#



#6

Bromomethane

Concen: 0.268 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006995.D

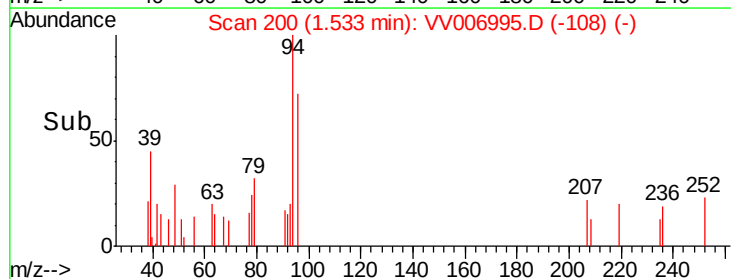
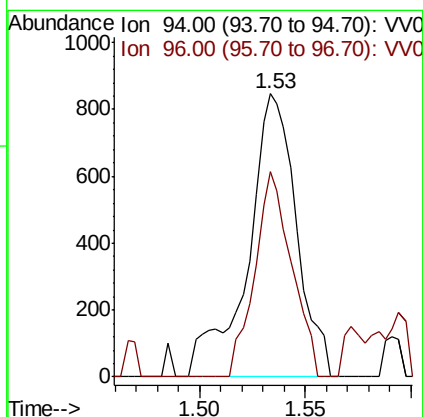
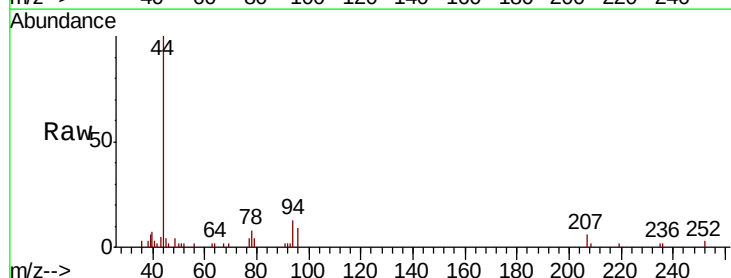
Acq: 10 Aug 2018 20:28

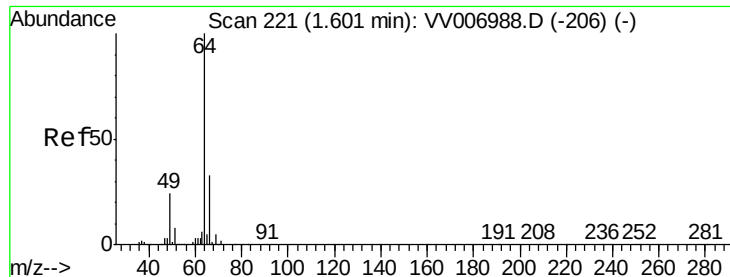
Tgt Ion: 94 Resp: 1366

Ion Ratio Lower Upper

94 100

96 72.5 65.0 120.6





#8

Chloroethane

Concen: 0.224 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

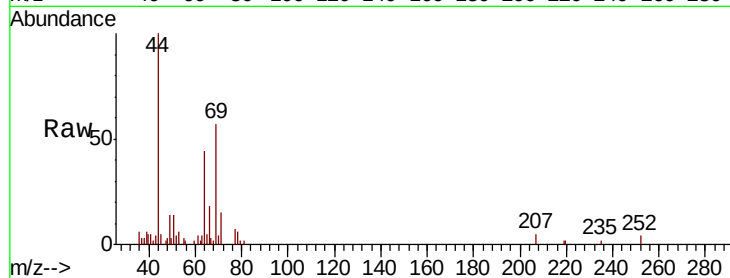
MDL06

Tot Ion: 64 Resp: 3200

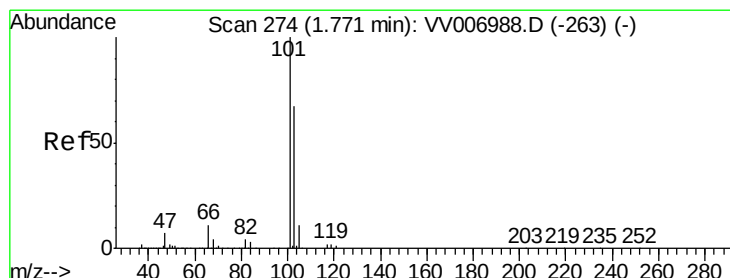
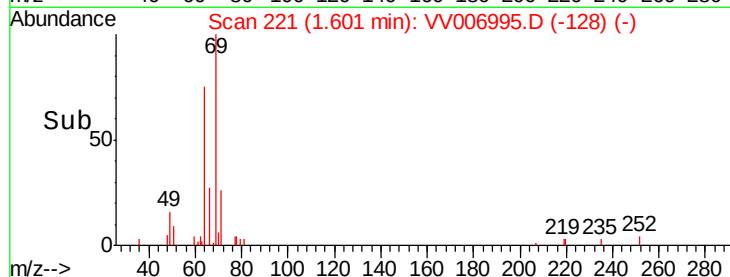
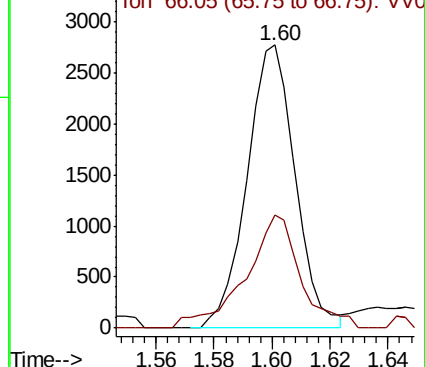
Ion Ratio Lower Upper

64 100

66 40.2 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006988.D (-206) (-)



#9

Trichlorofluoromethane

Concen: 0.211 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006995.D

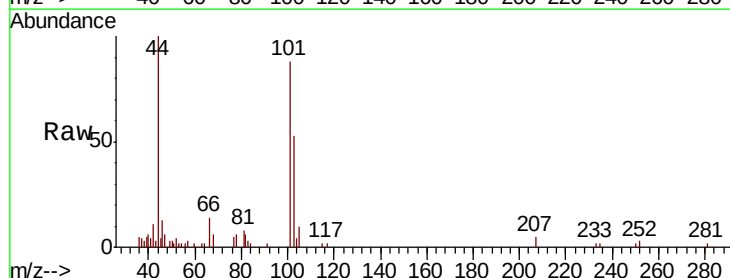
Acq: 10 Aug 2018 20:28

Tgt Ion: 101 Resp: 6307

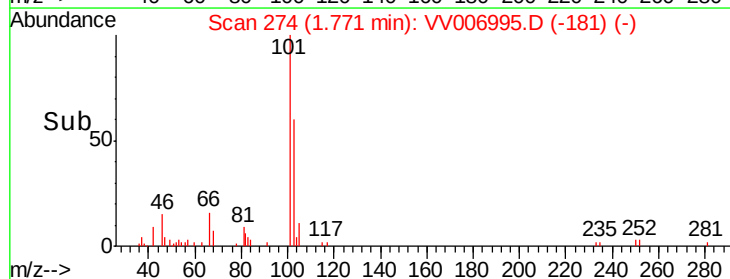
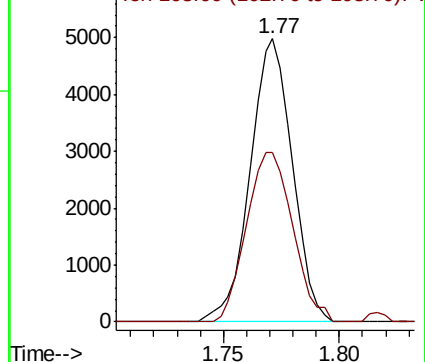
Ion Ratio Lower Upper

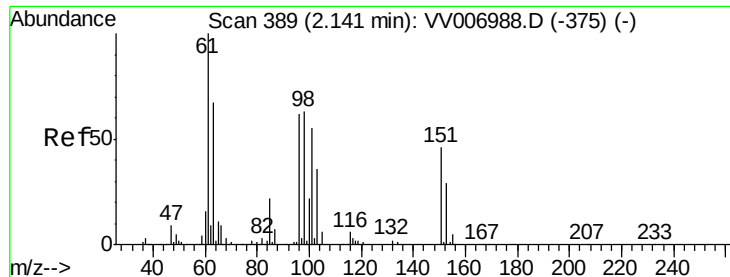
101 100

103 65.6 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006988.D (-263) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.238 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

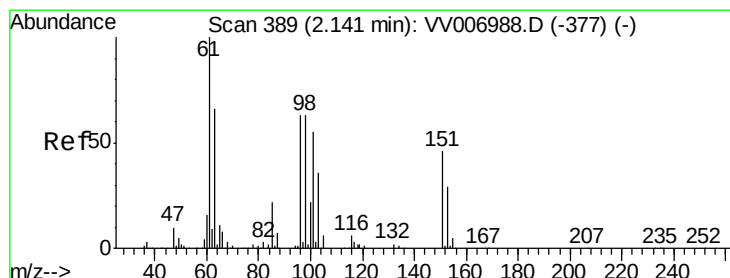
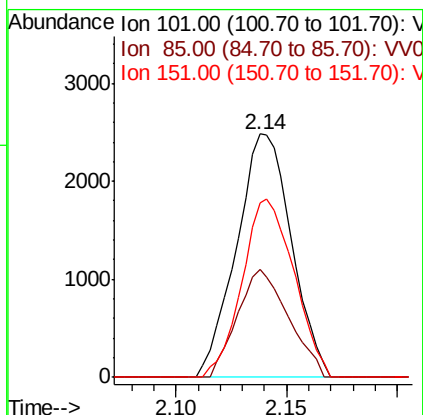
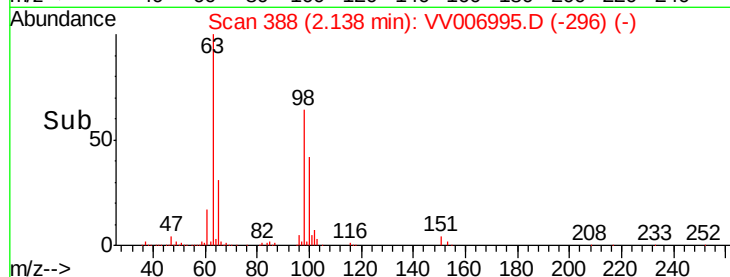
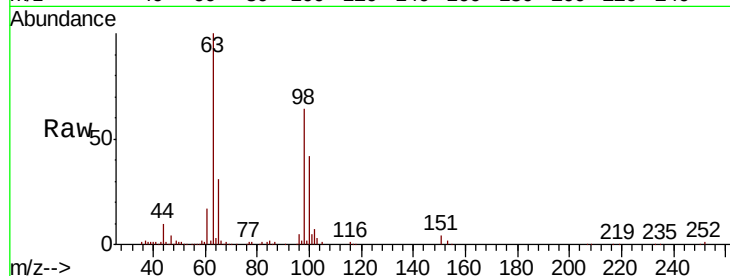
Tot Ion:101 Resp: 4278

Ion Ratio Lower Upper

101 100

85 41.4 33.9 50.9

151 69.3 64.1 96.1



#12

1,1-Dichloroethene

Concen: 0.268 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

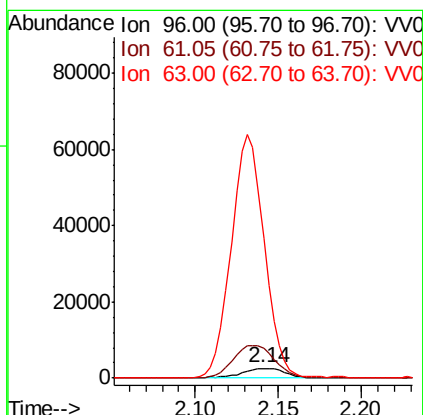
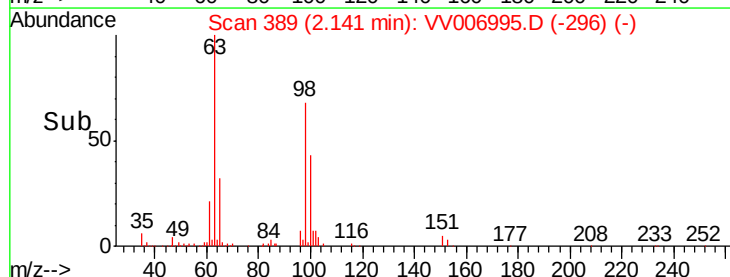
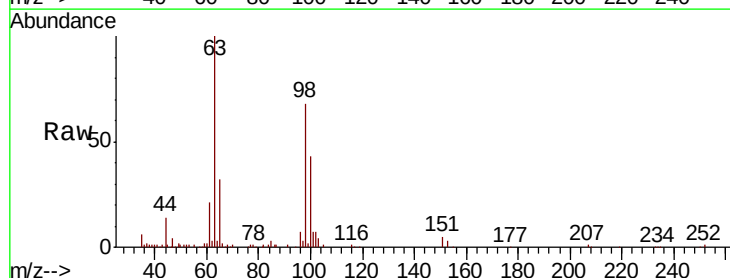
Tgt Ion: 96 Resp: 4680

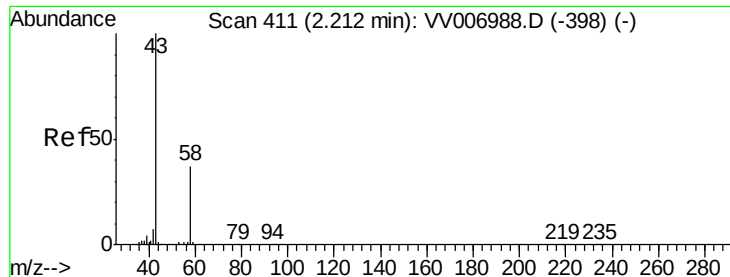
Ion Ratio Lower Upper

96 100

61 304.1 111.6 207.4#

63 1441.8 84.9 157.7#





#13

Acetone

Concen: 2.861 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.01 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

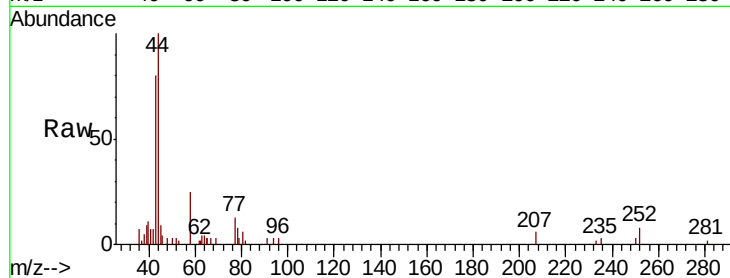
MDL06

Tot Ion: 43 Resp: 6641

Ion Ratio Lower Upper

43 100

58 36.5 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VV006988.D (-398) (-)

2.20

4000

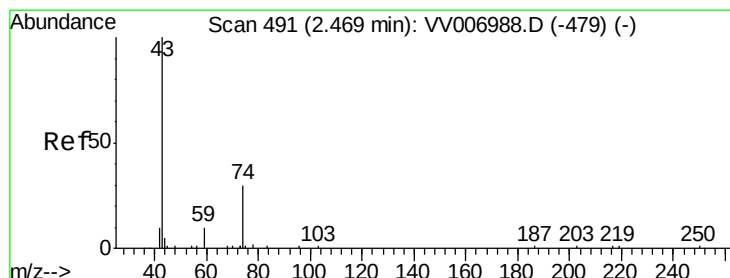
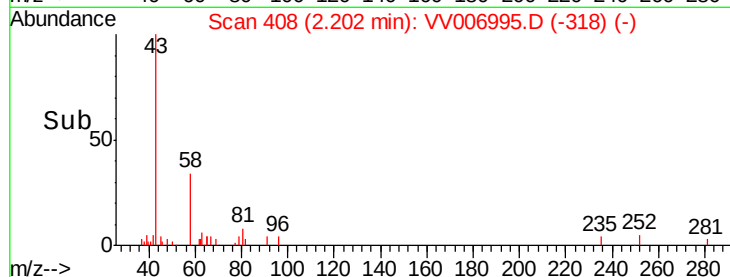
3000

2000

1000

0

Time--> 2.15 2.20 2.25



#15

Methyl Acetate

Concen: 0.247 ug/L

RT: 2.47 min Scan# 491

Delta R.T. 0.00 min

Lab File: VV006995.D

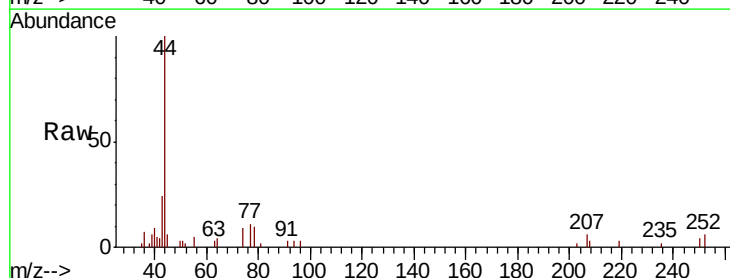
Acq: 10 Aug 2018 20:28

Tgt Ion: 43 Resp: 1613

Ion Ratio Lower Upper

43 100

74 39.0 24.6 37.0#



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-479) (-)

Ion 74.05 (73.75 to 74.75): VV006988.D (-479) (-)

2.47

1200

1000

800

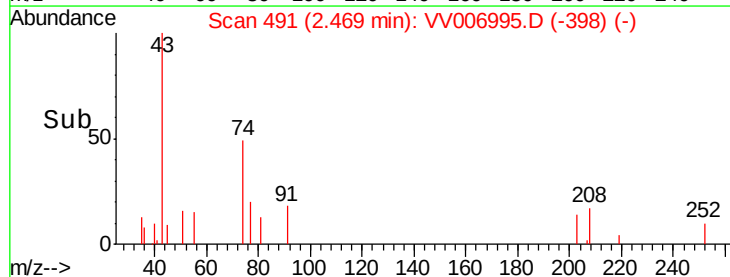
600

400

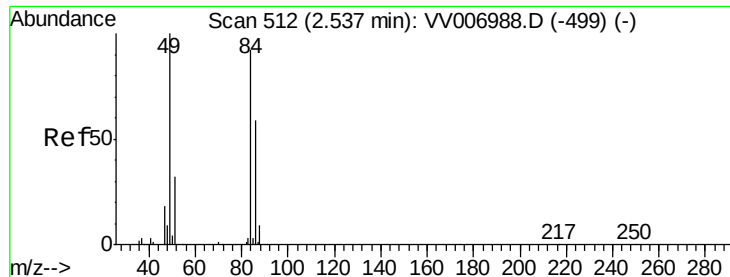
200

0

Time--> 2.40 2.45 2.50



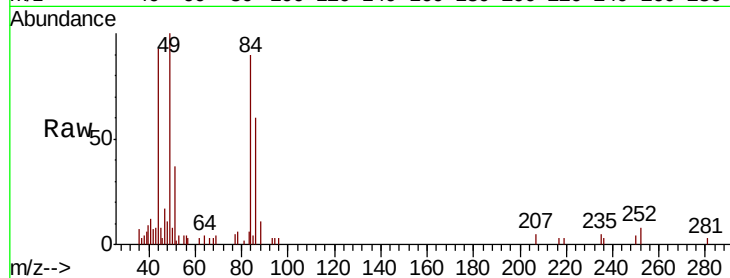




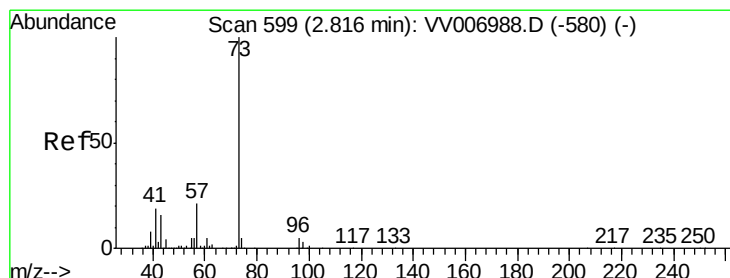
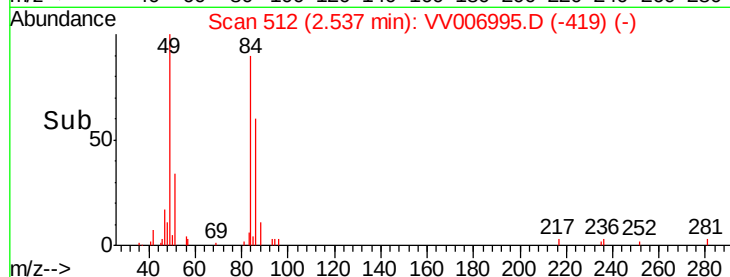
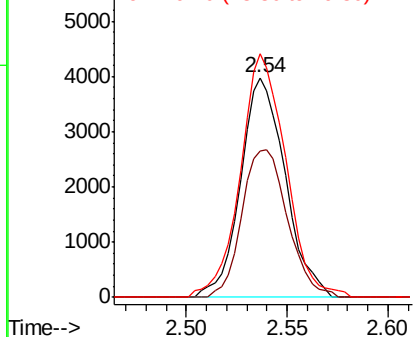
#16  
Methylene chloride  
Concen: 0.293 ug/L  
RT: 2.54 min Scan# 512  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Tot Ion: 84 Resp: 6169  
Ion Ratio Lower Upper  
84 100  
86 66.4 45.7 84.9  
49 110.9 78.8 146.4

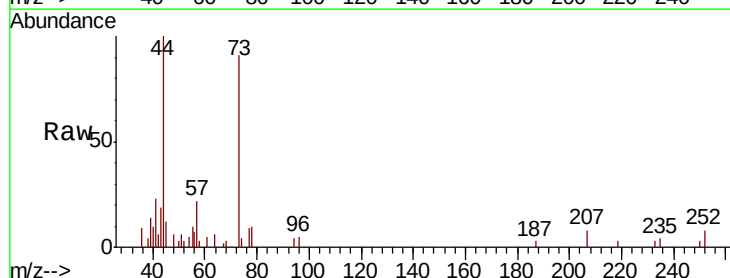


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

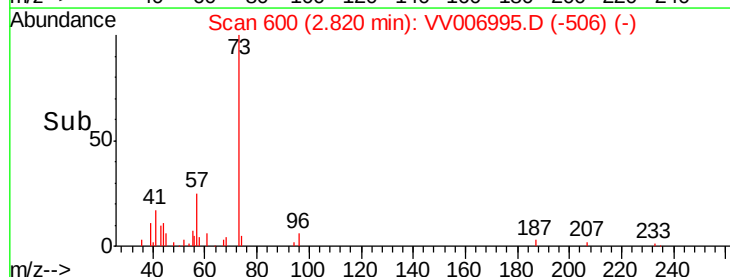
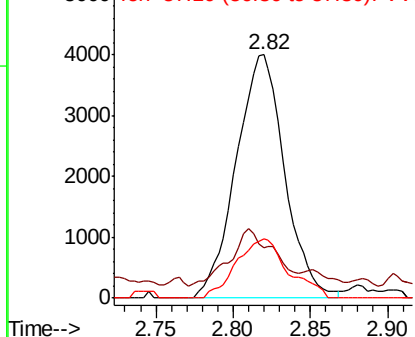


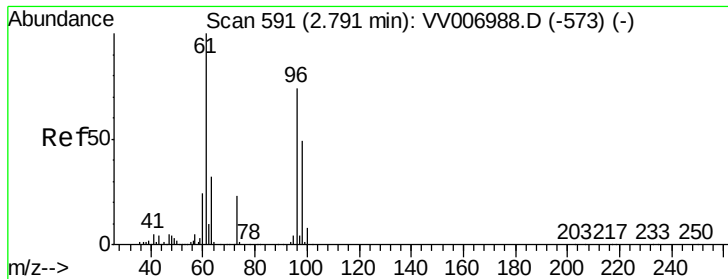
#17  
Methyl tert-butyl Ether  
Concen: 0.209 ug/L  
RT: 2.82 min Scan# 600  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Tgt Ion: 73 Resp: 8738  
Ion Ratio Lower Upper  
73 100  
43 21.4 14.4 21.6  
57 25.9 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV0  
Ion 43.05 (42.75 to 43.75): VV0  
Ion 57.10 (56.80 to 57.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.219 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

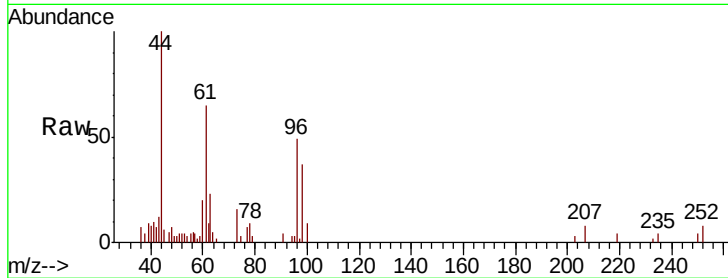
Tot Ion: 96 Resp: 4090

Ion Ratio Lower Upper

96 100

61 132.5 91.1 169.3

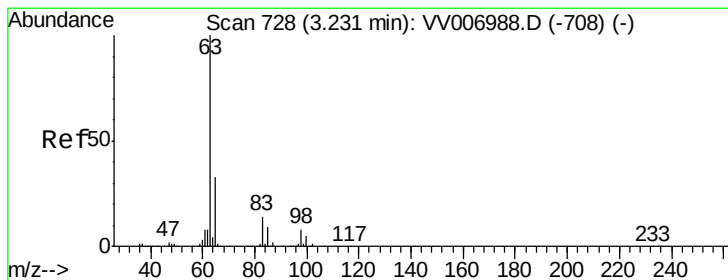
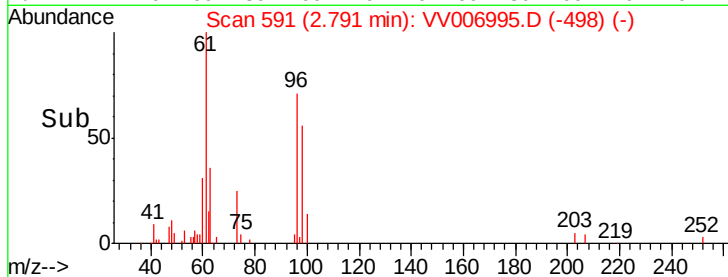
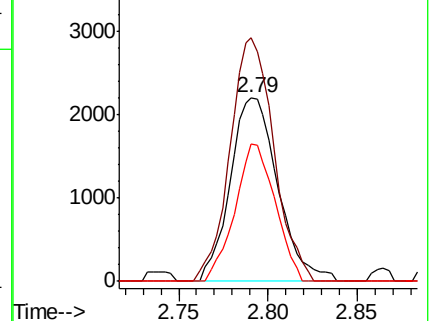
98 74.8 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006988.D (-573) (-)

Ion 61.05 (60.75 to 61.75): VV006988.D (-573) (-)

Ion 97.95 (97.65 to 98.65): VV006988.D (-573) (-)



#19

1,1-Dichloroethane

Concen: 0.203 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

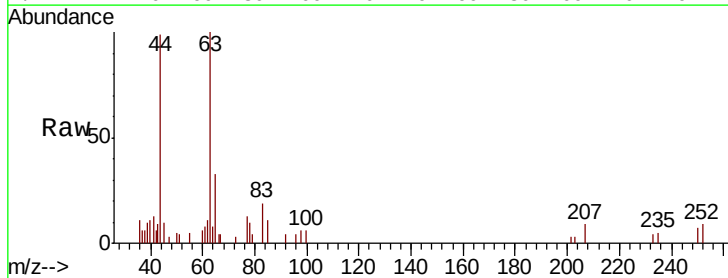
Tgt Ion: 63 Resp: 6828

Ion Ratio Lower Upper

63 100

65 33.5 21.7 40.3

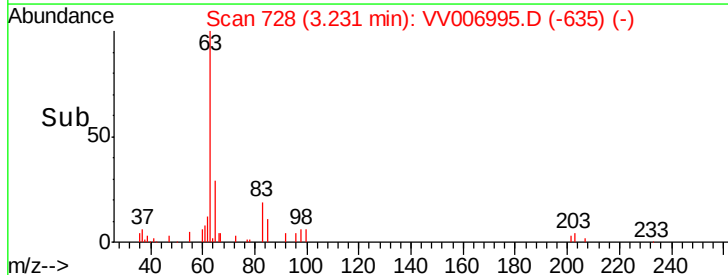
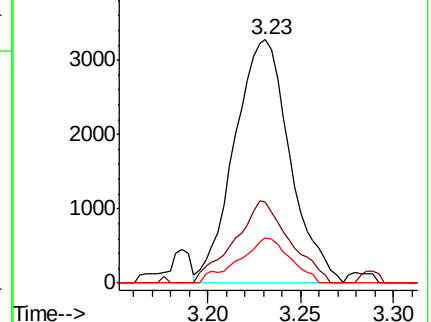
83 18.6 10.0 18.6

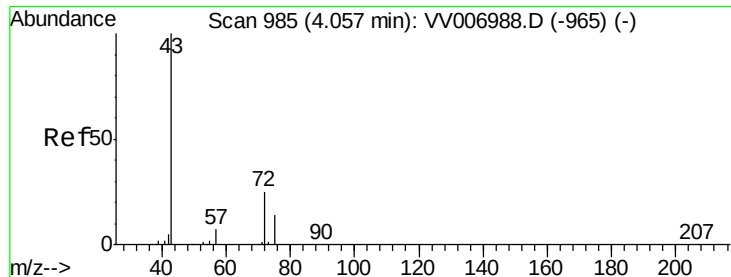


Abundance Ion 63.10 (62.80 to 63.80): VV006988.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VV006988.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VV006988.D (-708) (-)





#21

2-Butanone

Concen: 2.717 ug/L

RT: 4.06 min Scan# 985

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampled :

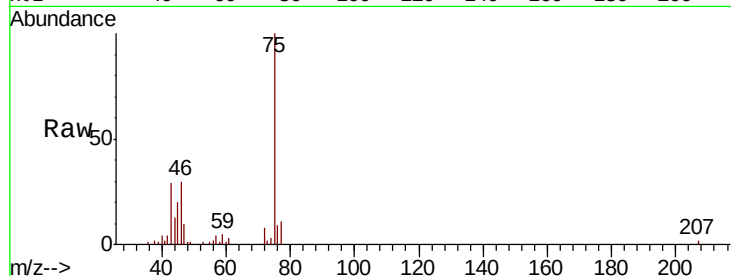
MDL06

Tot Ion: 43 Resp: 13691

Ion Ratio Lower Upper

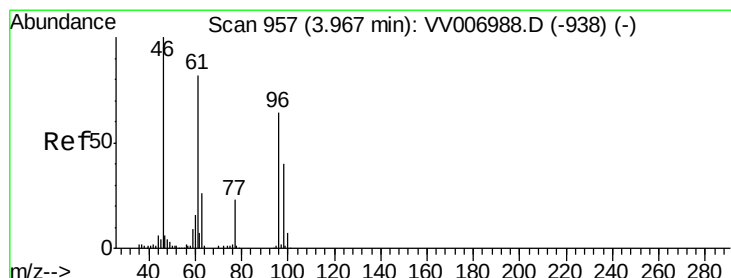
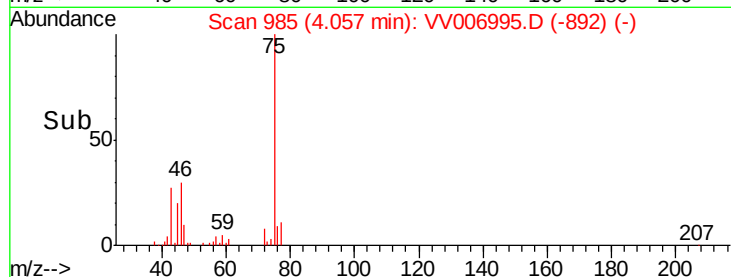
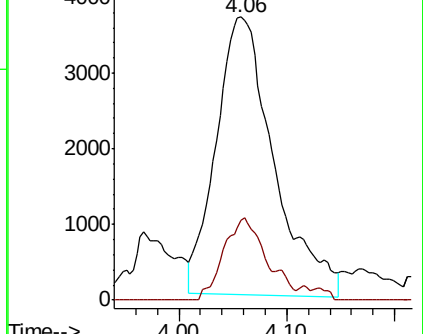
43 100

72 19.8 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VV006988.D (-965) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.241 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

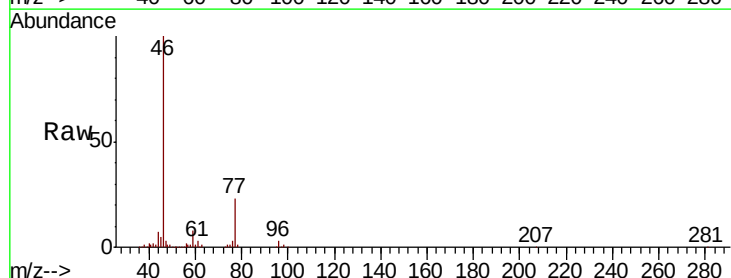
Tgt Ion: 96 Resp: 5109

Ion Ratio Lower Upper

96 100

61 111.5 91.1 169.1

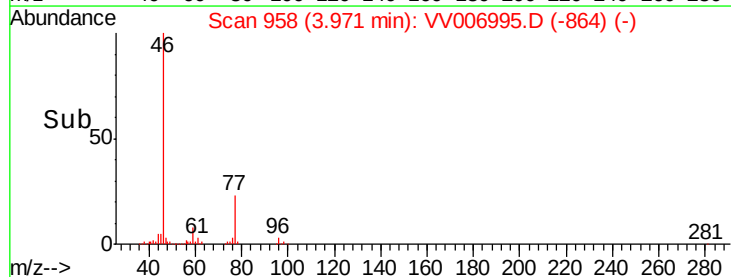
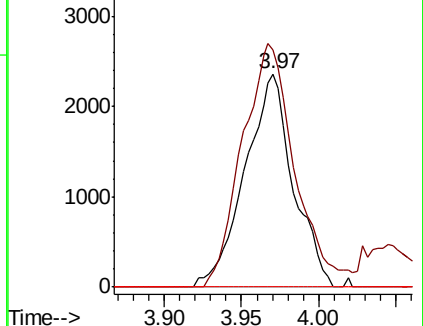
68 0.0 0.0 0.0

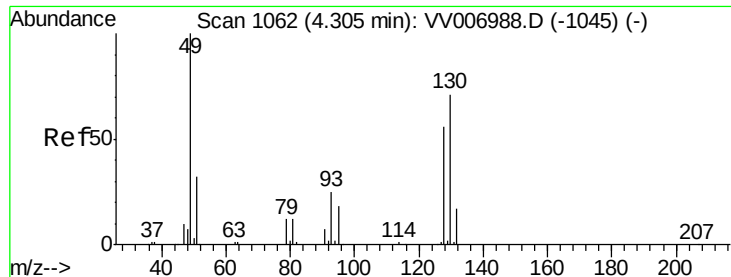


Abundance Ion 96.00 (95.70 to 96.70): VV006988.D (-938) (-)

Ion 61.05 (60.75 to 61.75): VV006988.D (-938) (-)

Ion 68.15 (67.85 to 68.85): VV006988.D (-938) (-)

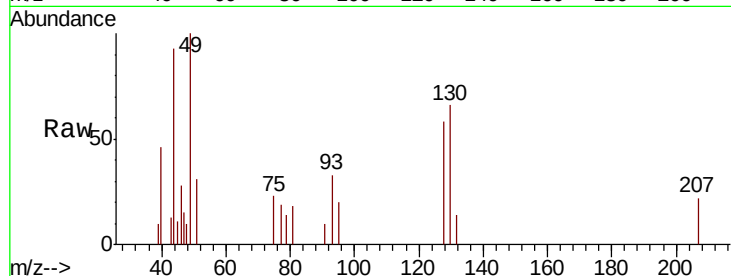




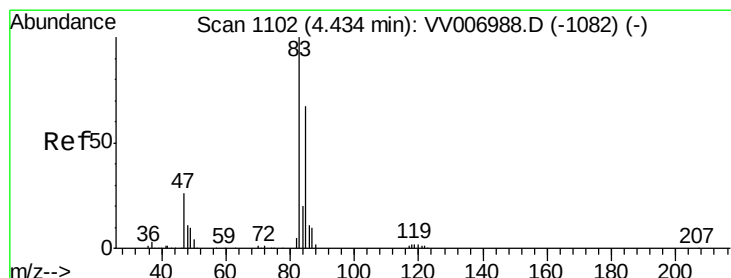
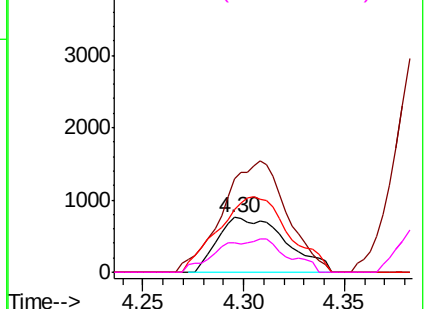
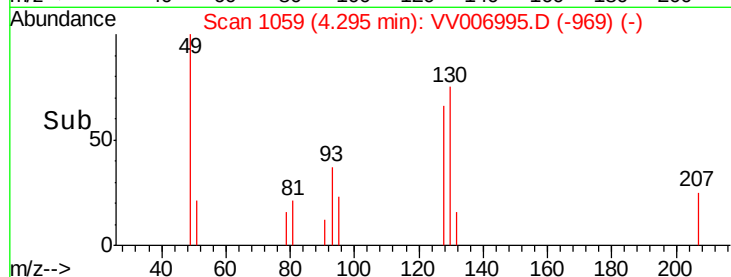
#23  
Bromochloromethane  
Concen: 0.207 ug/L  
RT: 4.30 min Scan# 1059  
Delta R.T. -0.01 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Tot Ion:128 Resp: 1788  
Ion Ratio Lower Upper  
128 100  
49 171.5 138.6 257.4  
130 113.6 90.0 167.2  
51 52.8 46.9 70.3

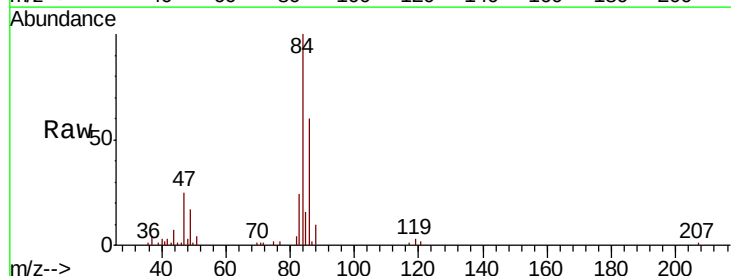


Abundance Ion 127.90 (127.60 to 128.60): V  
Ion 49.10 (48.80 to 49.80): VV0  
Ion 129.95 (129.65 to 130.65): V  
Ion 51.05 (50.75 to 51.75): VV0

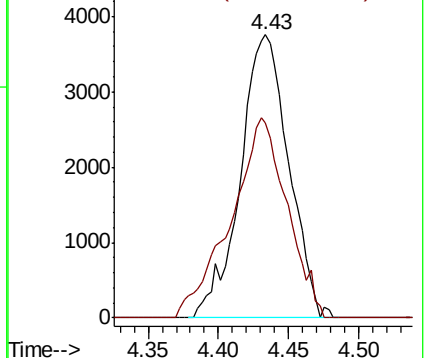
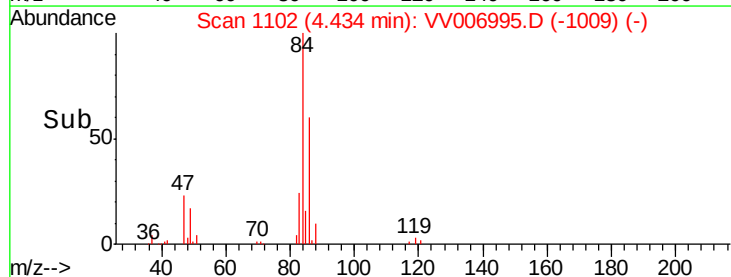


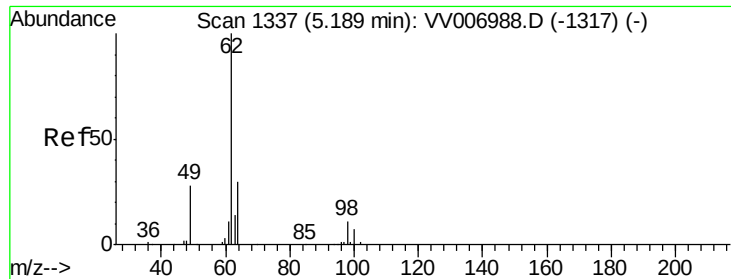
#25  
Chloroform  
Concen: 0.244 ug/L  
RT: 4.43 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Tgt Ion: 83 Resp: 8999  
Ion Ratio Lower Upper  
83 100  
85 68.8 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0

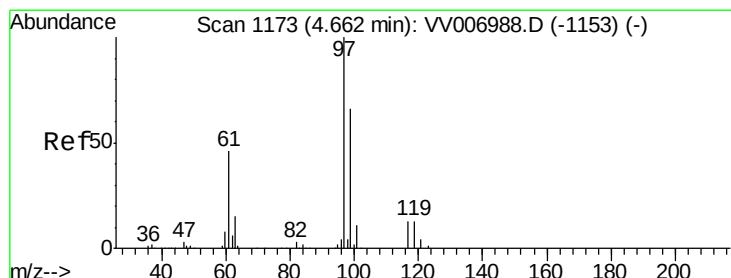
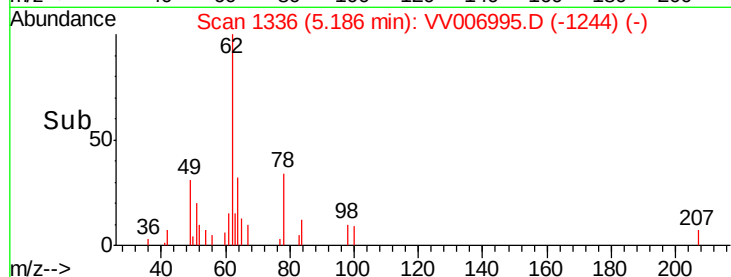
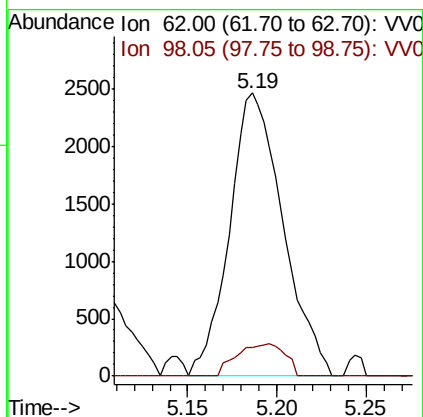
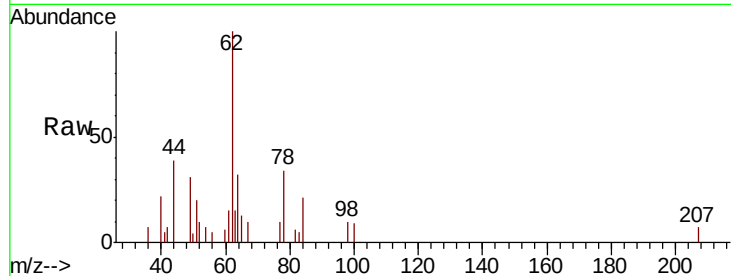




#27  
 1,2-Dichloroethane  
 Concen: 0.224 ug/L  
 RT: 5.19 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: VV006995.D  
 Acq: 10 Aug 2018 20:28

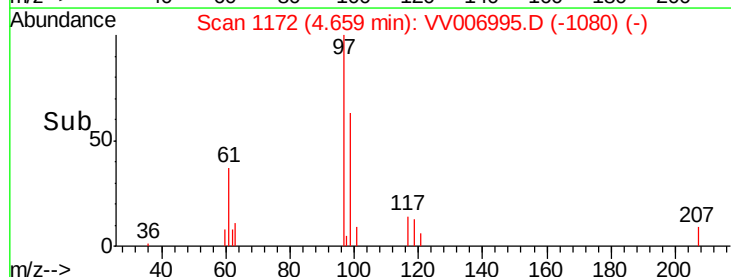
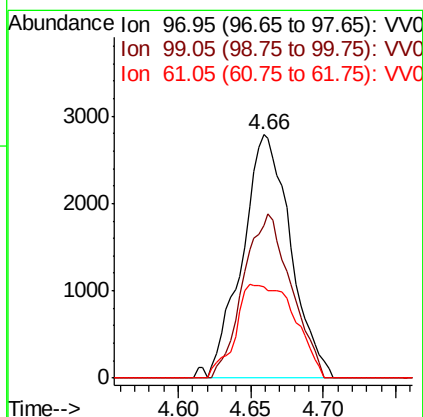
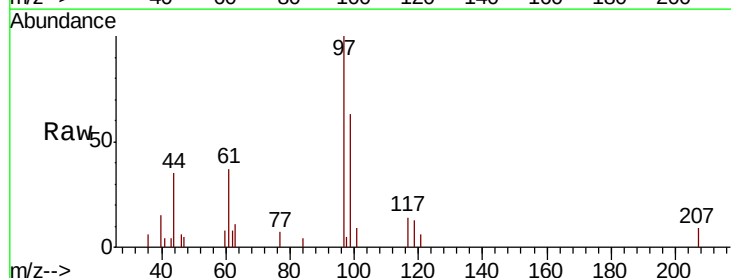
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 MDL06

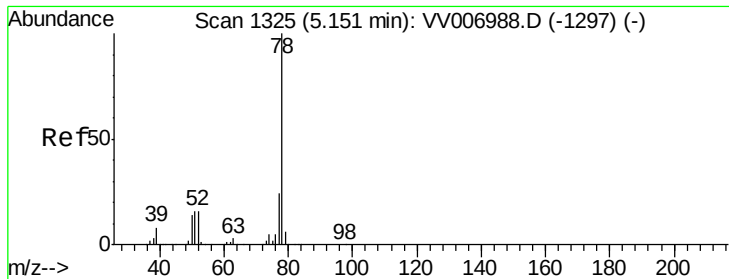
Tot Ion: 62 Resp: 5145  
 Ion Ratio Lower Upper  
 62 100  
 98 10.2 7.6 11.4



#29  
 1,1,1-Trichloroethane  
 Concen: 0.205 ug/L  
 RT: 4.66 min Scan# 1172  
 Delta R.T. -0.00 min  
 Lab File: VV006995.D  
 Acq: 10 Aug 2018 20:28

Tgt Ion: 97 Resp: 6488  
 Ion Ratio Lower Upper  
 97 100  
 99 66.4 51.0 76.6  
 61 46.4 36.6 54.8





#33

Benzene

Concen: 0.208 ug/L

RT: 5.16 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

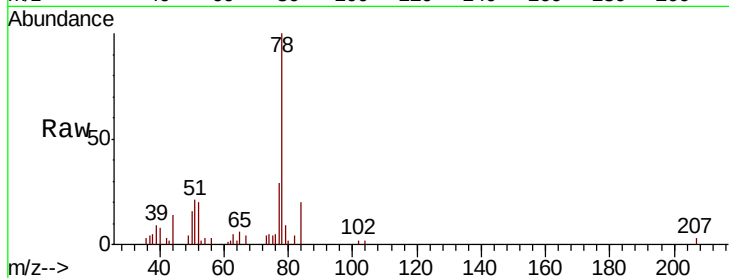
Instrument :

MSVOA\_V

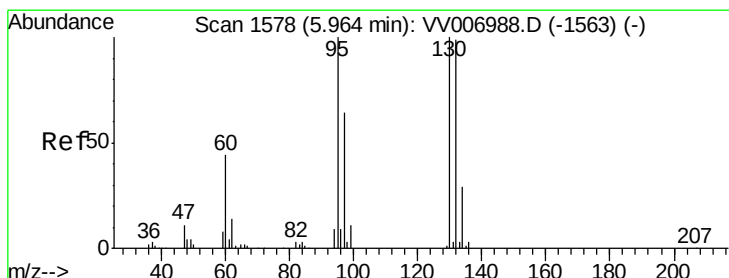
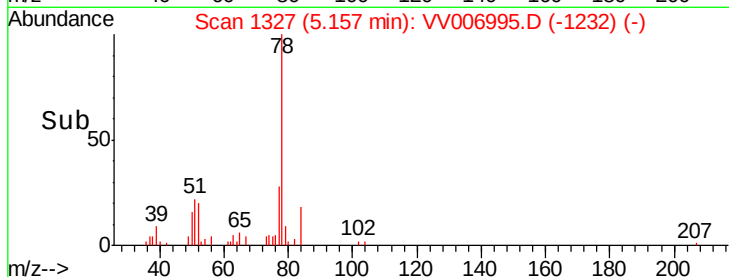
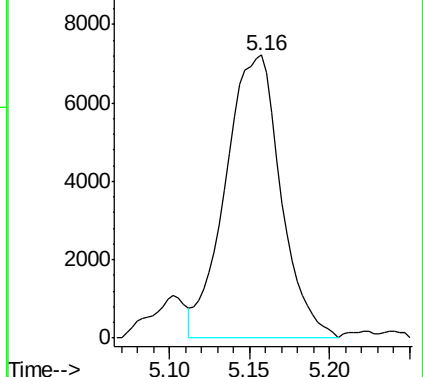
ClientSampleId :

MDL06

Tgt Ion: 78 Resp: 17094



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.202 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Tgt Ion: 95 Resp: 3986

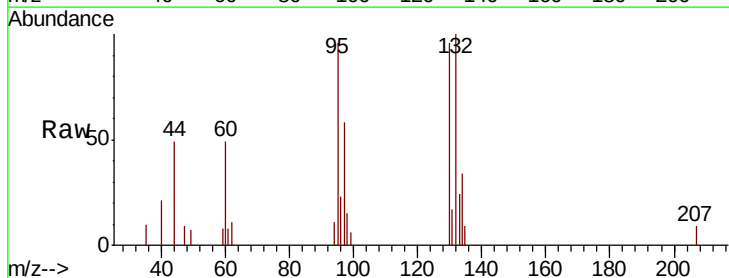
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.6  | 44.8  | 83.2  |
| 132 | 104.2 | 65.5  | 121.6 |
| 130 | 100.3 | 66.4  | 123.4 |

95 100

97 60.6 44.8 83.2

132 104.2 65.5 121.6

130 100.3 66.4 123.4

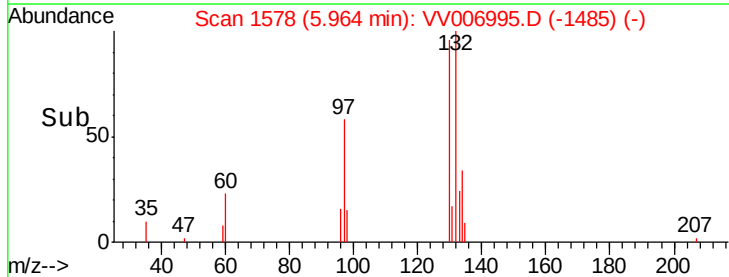
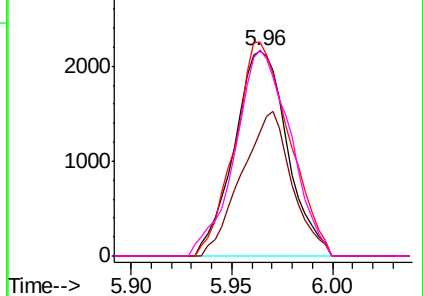


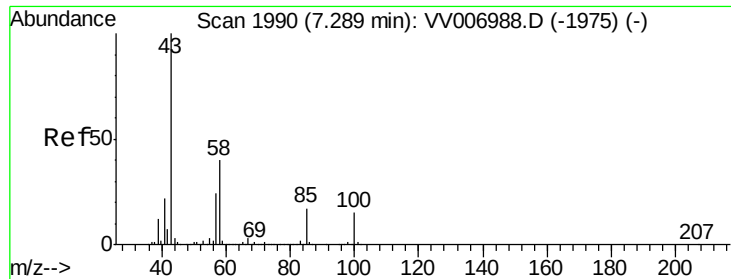
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

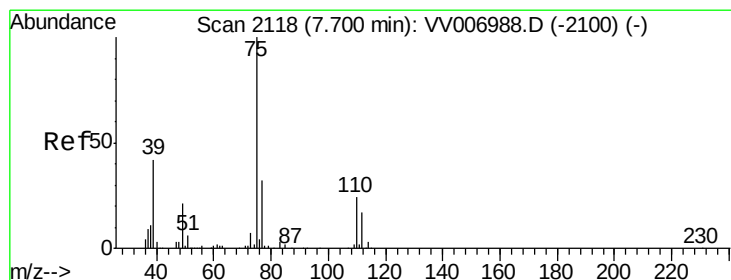
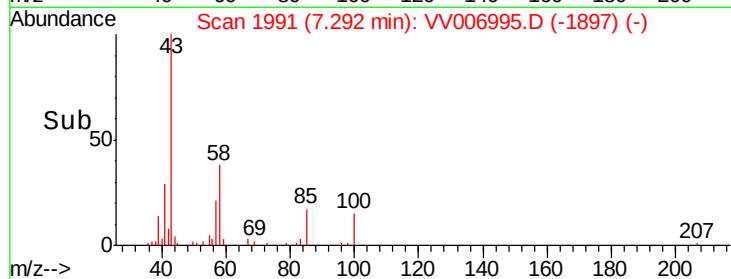
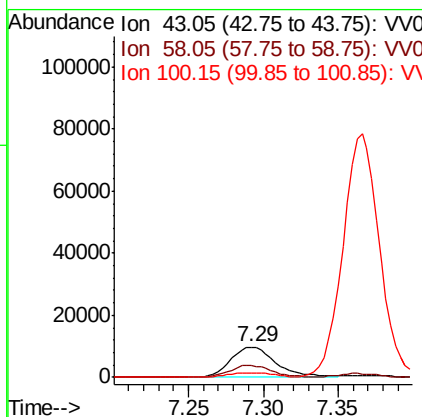
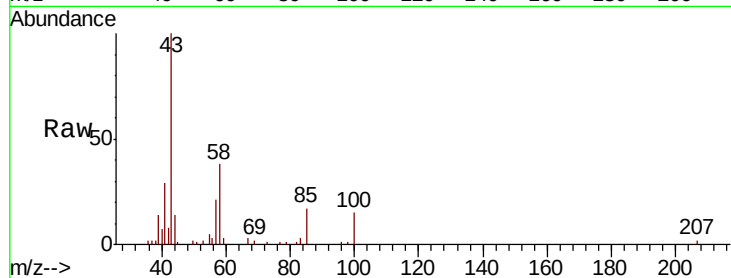




#40  
4-Methyl-2-pentanone  
Concen: 1.692 ug/L  
RT: 7.29 min Scan# 1991  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

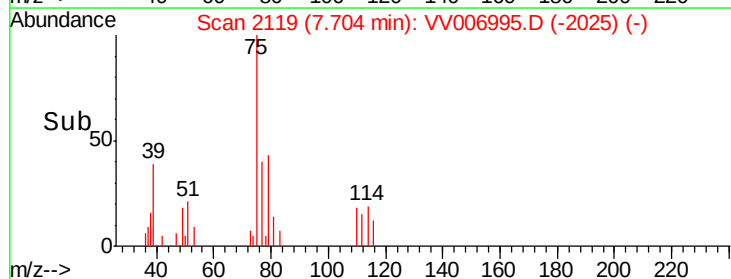
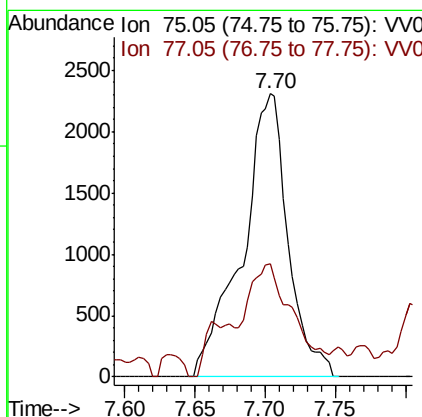
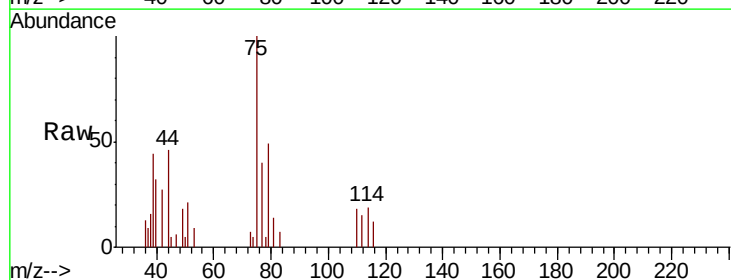
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

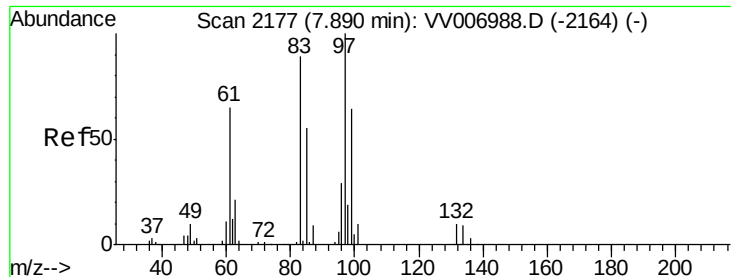
Tot Ion: 43 Resp: 20613  
Ion Ratio Lower Upper  
43 100  
58 36.9 30.7 46.1  
100 0.0 11.2 16.8#



#44  
trans-1,3-Dichloropropene  
Concen: 0.235 ug/L  
RT: 7.70 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Tgt Ion: 75 Resp: 5250  
Ion Ratio Lower Upper  
75 100  
77 39.8 22.3 41.3

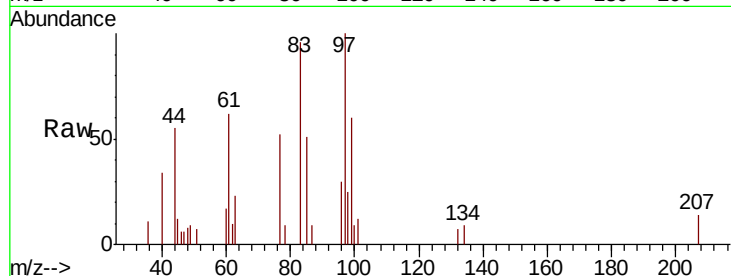




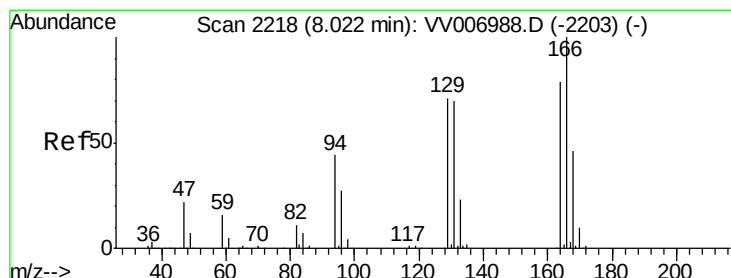
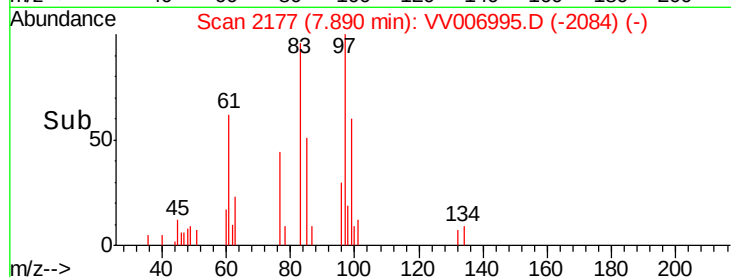
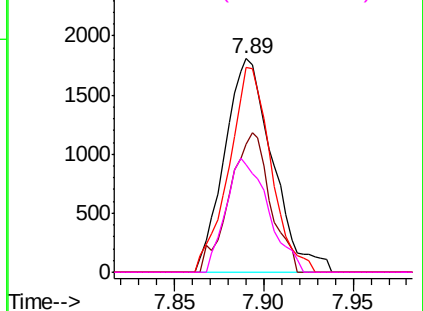
#45  
 1,1,2-Trichloroethane  
 Concen: 0.231 ug/L  
 RT: 7.89 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VV006995.D  
 Acq: 10 Aug 2018 20:28

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 MDL06

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 3386  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.0  | 40.6  | 75.4  |
| 83       | 95.7  | 58.0  | 107.8 |
| 85       | 50.7  | 37.5  | 69.7  |

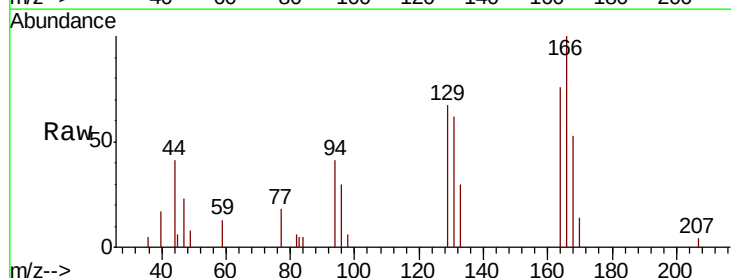


Abundance Ion 96.95 (96.65 to 97.65): VV0  
 Ion 99.05 (98.75 to 99.75): VV0  
 Ion 82.95 (82.65 to 83.65): VV0  
 Ion 85.00 (84.70 to 85.70): VV0

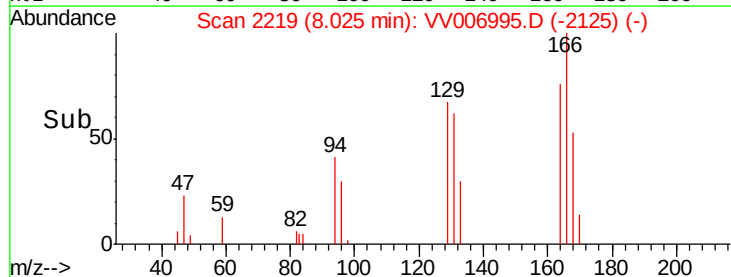
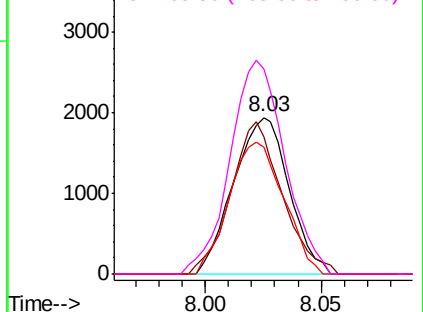


#47  
 Tetrachloroethene  
 Concen: 0.201 ug/L  
 RT: 8.03 min Scan# 2219  
 Delta R.T. 0.00 min  
 Lab File: VV006995.D  
 Acq: 10 Aug 2018 20:28

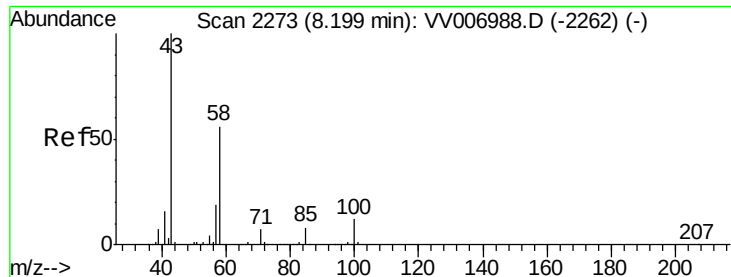
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 3224  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 87.5  | 65.9  | 122.3 |
| 131      | 81.0  | 64.2  | 119.2 |
| 166      | 131.0 | 89.4  | 166.0 |



Abundance Ion 163.90 (163.60 to 164.60): V  
 Ion 128.95 (128.65 to 129.65): V  
 Ion 130.95 (130.65 to 131.65): V  
 Ion 165.90 (165.60 to 166.60): V



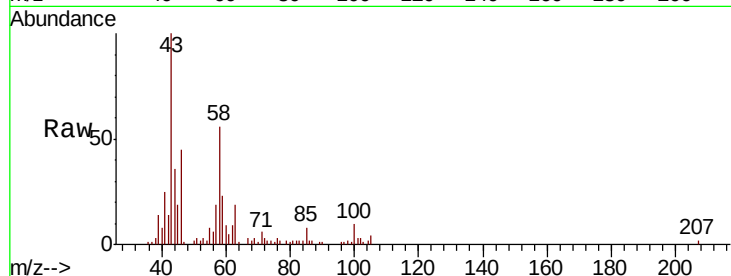




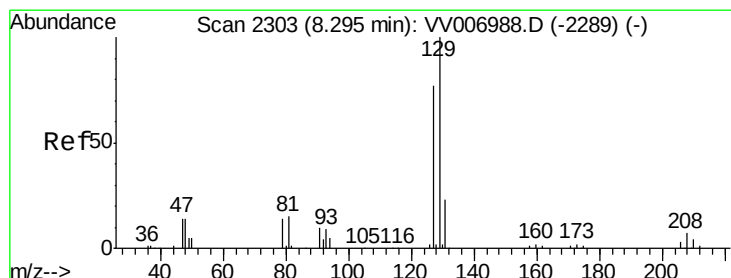
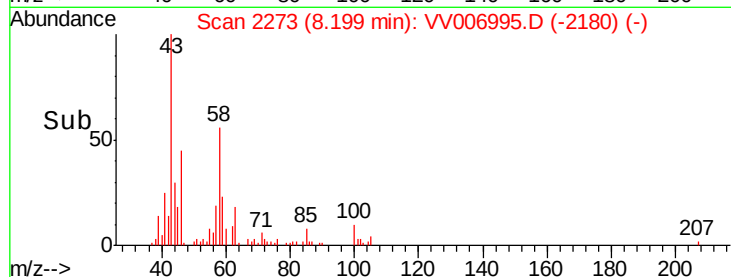
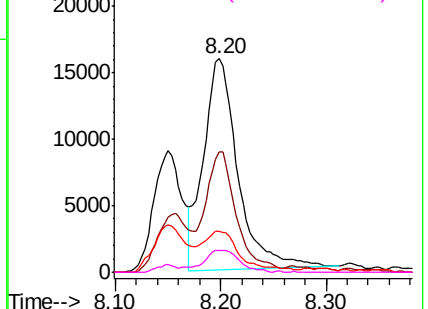
#48  
2-Hexanone  
Concen: 4.211 ug/L  
RT: 8.20 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Tot Ion: 43 Resp: 36179  
Ion Ratio Lower Upper  
43 100  
58 49.0 44.2 66.2  
57 19.0 14.8 22.2  
100 11.1 8.8 13.2

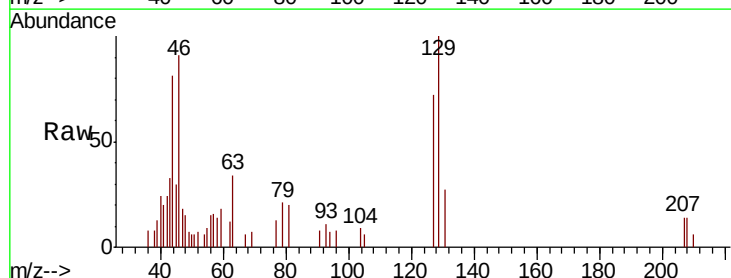


Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0

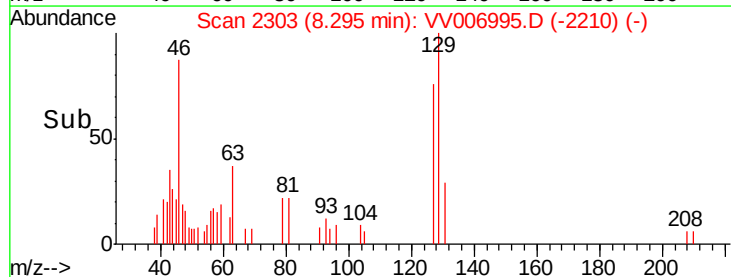
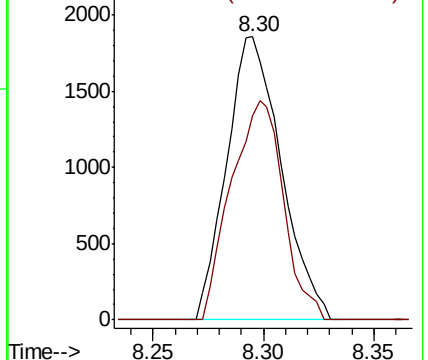


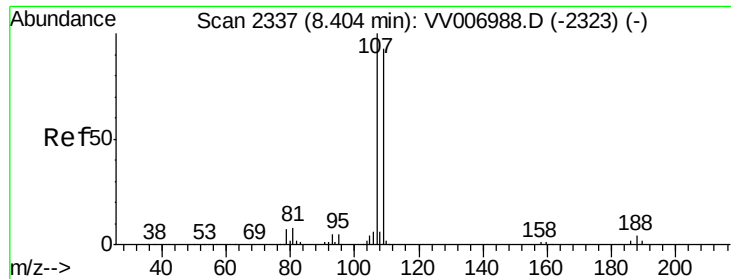
#49  
Dibromochloromethane  
Concen: 0.207 ug/L  
RT: 8.30 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VV006995.D  
Acq: 10 Aug 2018 20:28

Tgt Ion: 129 Resp: 3193  
Ion Ratio Lower Upper  
129 100  
127 72.1 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 0.210 ug/L

RT: 8.40 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

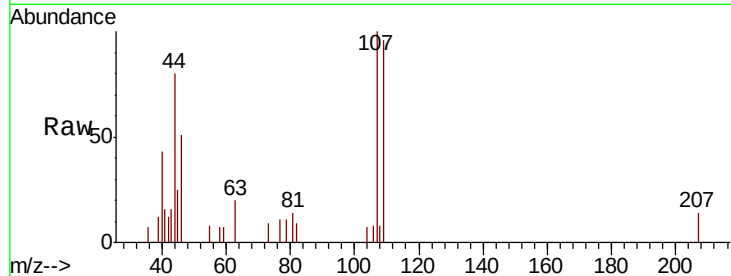
Tot Ion: 107 Resp: 2606

Ion Ratio Lower Upper

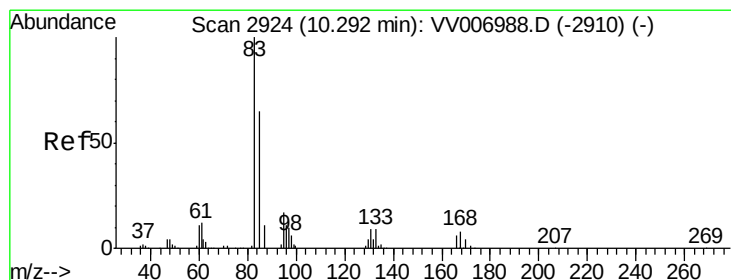
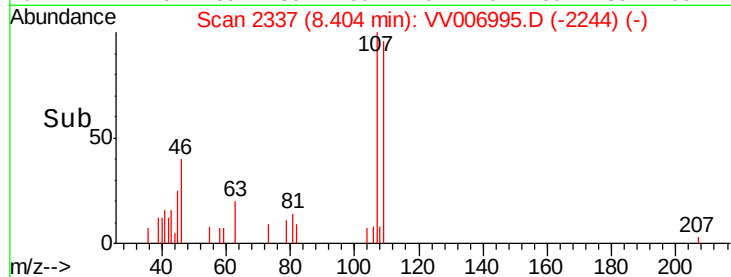
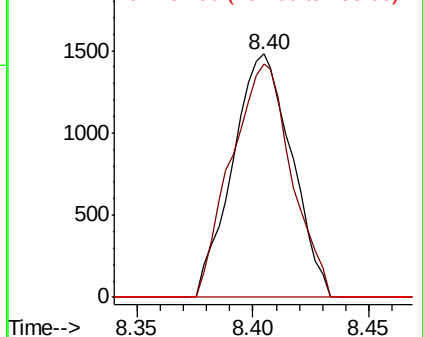
107 100

109 95.7 64.1 119.1

188 0.0 4.0 6.0#



Abundance Ion 106.95 (106.65 to 107.65): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 187.90 (187.60 to 188.60): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

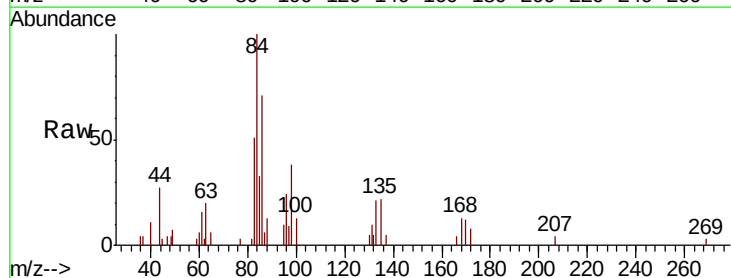
Tgt Ion: 83 Resp: 3986

Ion Ratio Lower Upper

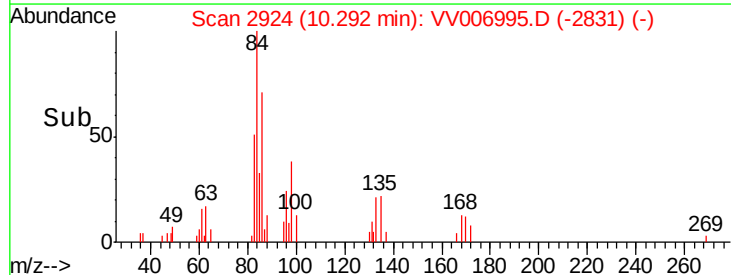
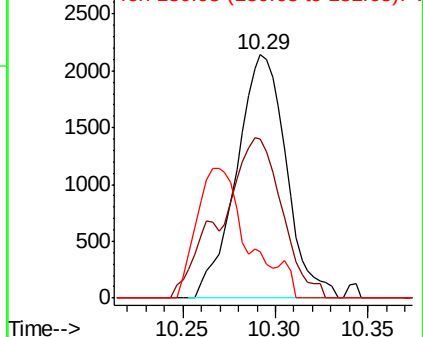
83 100

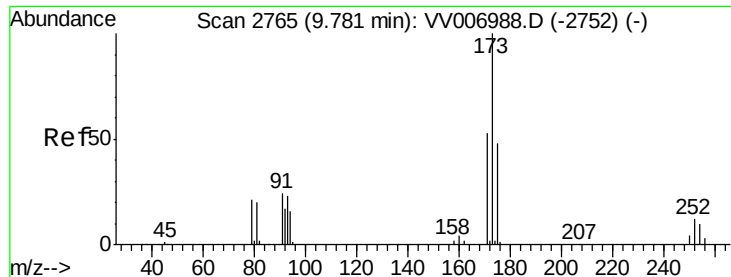
85 65.2 43.0 79.8

131 19.0 7.4 11.2#



Abundance Ion 82.95 (82.65 to 83.65): VV0  
Ion 85.00 (84.70 to 85.70): VV0  
Ion 130.95 (130.65 to 131.65): V





#61

Bromoform

Concen: 0.224 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampled :

MDL06

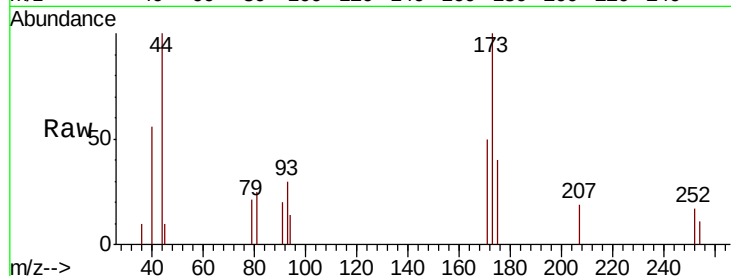
Tot Ion:173 Resp: 1615

Ion Ratio Lower Upper

173 100

175 44.5 39.3 58.9

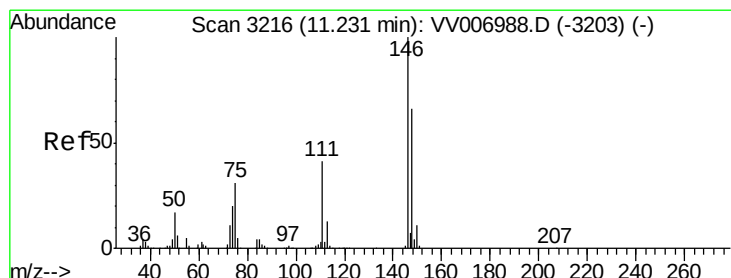
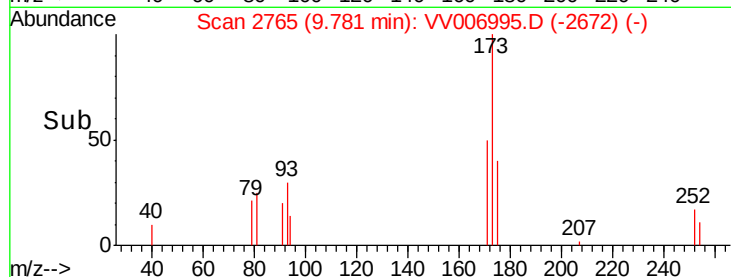
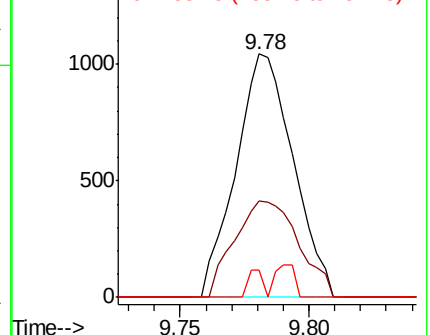
254 2.8 8.3 12.5#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.225 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

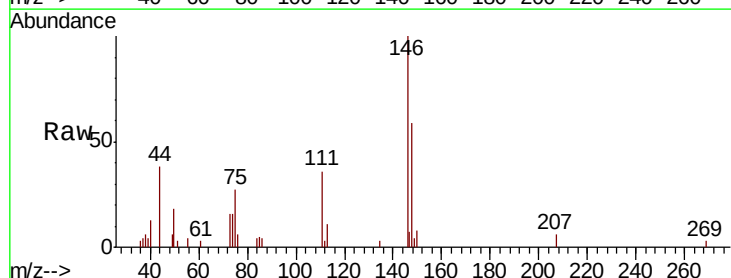
Tgt Ion:146 Resp: 6913

Ion Ratio Lower Upper

146 100

111 35.7 28.1 52.3

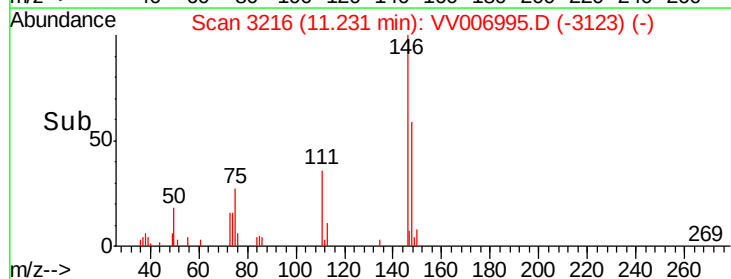
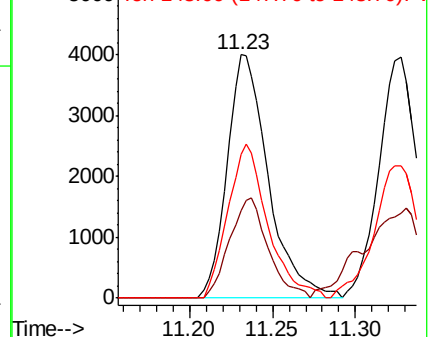
148 59.0 44.2 82.2

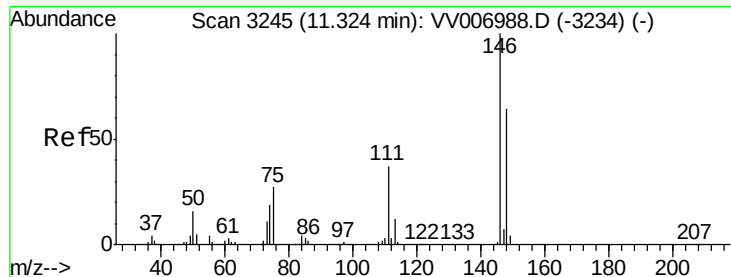


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.218 ug/L

RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampled :

MDL06

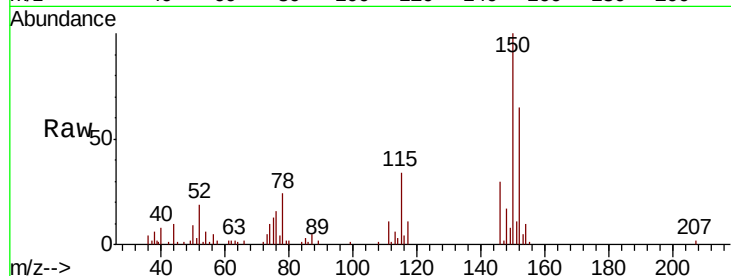
Tot Ion:146 Resp: 6890

Ion Ratio Lower Upper

146 100

111 35.4 26.6 49.4

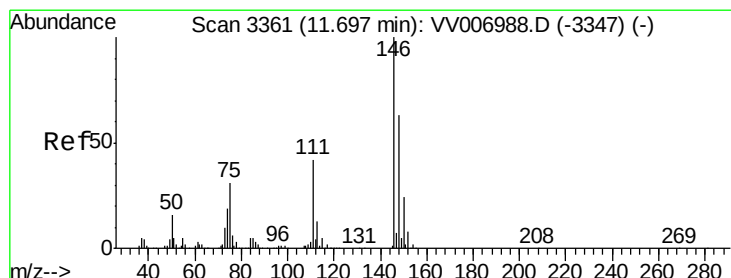
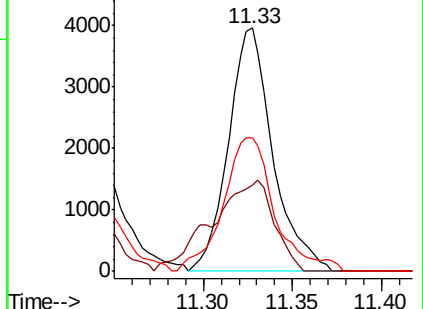
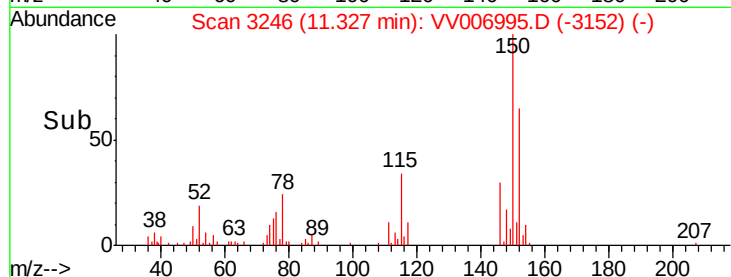
148 54.9 46.4 86.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.208 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

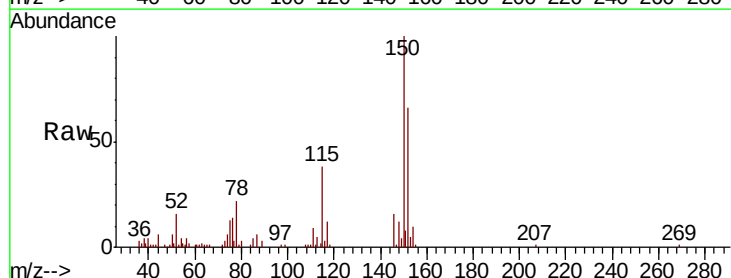
Tgt Ion:146 Resp: 6286

Ion Ratio Lower Upper

146 100

111 51.9 33.0 49.6#

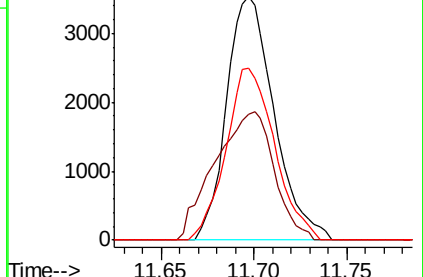
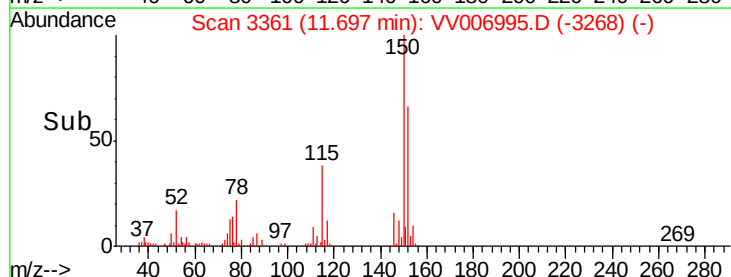
148 70.6 50.6 75.8

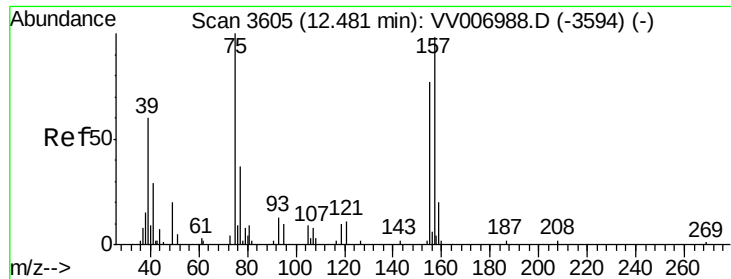


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 0.234 ug/L

RT: 12.49 min Scan# 3608

Delta R.T. 0.01 min

Lab File: VV006995.D

Acq: 10 Aug 2018 20:28

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

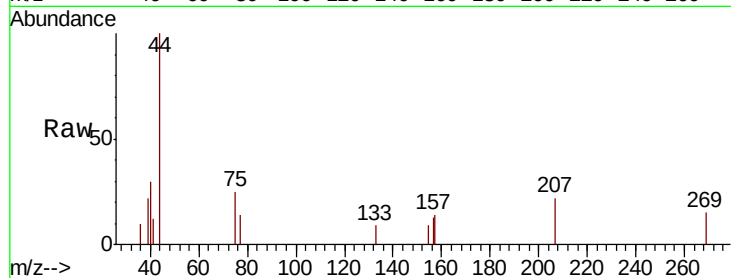
Tot Ion: 75 Resp: 503

Ion Ratio Lower Upper

75 100

155 38.3 62.6 94.0#

157 107.0 77.0 115.6



Abundance Ion 75.05 (74.75 to 75.75): VV006995.D (-3512) (-)

Ion 154.95 (154.65 to 155.65): VV006995.D (-3512) (-)

Ion 156.90 (156.60 to 157.60): VV006995.D (-3512) (-)

