

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\  
 Data File : VD066973.D  
 Acq On : 30 Sep 2020 14:58  
 Operator : VA/SY  
 Sample : L4172-10  
 Misc : 5.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7(12-14)

Quant Time: Oct 01 00:55:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 23 01:34:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 54       | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 66       | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 272      | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.59 | 152  | 811      | 50.00 | ug/l  | 0.01     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 0.00   | 65  | 0        | 0.00   | ug/l    |      |
| Spiked Amount             | 50.000 |     | Recovery | =      | 0.00%   |      |
| 35) Dibromofluoromethane  | 0.00   | 113 | 0        | 0.00   | ug/l    |      |
| Spiked Amount             | 50.000 |     | Recovery | =      | 0.00%   |      |
| 50) Toluene-d8            | 10.34  | 98  | 209      | 146.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 292.18% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 150      | 306.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 612.54% |      |

## Target Compounds

|                                |       |     |     |         |        | Qvalue |
|--------------------------------|-------|-----|-----|---------|--------|--------|
| 6) Chloroethane                | 3.01  | 64  | 70  | 229.969 | ug/l # | 46     |
| 12) 1,1-Dichloroethene         | 3.96  | 96  | 64  | 121.033 | ug/l # | 1      |
| 19) Methyl tert-butyl Ether    | 5.42  | 73  | 83  | 72.279  | ug/l # | 54     |
| 21) trans-1,2-Dichloroethene   | 5.76  | 96  | 59  | 96.363  | ug/l # | 1      |
| 27) cis-1,2-Dichloroethene     | 7.10  | 96  | 73  | 109.734 | ug/l # | 1      |
| 43) Isopropyl Acetate          | 8.18  | 43  | 55  | 120.519 | ug/l # | 49     |
| 48) Methyl methacrylate        | 9.73  | 41  | 85  | 377.771 | ug/l # | 10     |
| 51) 4-Methyl-2-Pentanone       | 10.17 | 43  | 149 | 644.356 | ug/l # | 35     |
| 52) Toluene                    | 10.38 | 92  | 56  | 47.642  | ug/l # | 62     |
| 55) 1,1,2-Trichloroethane      | 10.76 | 97  | 60  | 174.961 | ug/l # | 17     |
| 59) 2-Hexanone                 | 11.11 | 43  | 53  | 339.871 | ug/l # | 25     |
| 60) Dibromochloromethane       | 11.24 | 129 | 78  | 174.273 | ug/l # | 11     |
| 64) Tetrachloroethene          | 10.86 | 164 | 60  | 30.666  | ug/l # | 1      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.78 | 131 | 163 | 76.066  | ug/l # | 9      |
| 67) Ethyl Benzene              | 11.74 | 91  | 58  | 5.833   | ug/l # | 43     |
| 69) o-Xylene                   | 12.24 | 106 | 151 | 44.355  | ug/l # | 1      |
| 70) Styrene                    | 12.18 | 104 | 74  | 12.517  | ug/l # | 26     |
| 71) Bromoform                  | 12.44 | 173 | 62  | 57.144  | ug/l # | 28     |
| 73) Isopropylbenzene           | 12.46 | 105 | 60  | 1.024   | ug/l # | 49     |
| 74) N-amyl acetate             | 12.13 | 43  | 72  | 6.293   | ug/l # | 41     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.77 | 83  | 66  | 6.529   | ug/l # | 26     |
| 76) 1,2,3-Trichloropropane     | 12.60 | 75  | 66  | 9.820   | ug/l # | 100    |
| 77) Bromobenzene               | 12.68 | 156 | 156 | 11.385  | ug/l # | 1      |
| 78) n-propylbenzene            | 12.83 | 91  | 125 | 1.773   | ug/l # | 6      |
| 79) 2-Chlorotoluene            | 12.91 | 91  | 58  | 1.444   | ug/l # | 41     |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105 | 338 | 6.799   | ug/l # | 28     |
| 81) trans-1,4-Dichloro-2-buten | 12.60 | 75  | 66  | 24.569  | ug/l # | 10     |
| 82) 4-Chlorotoluene            | 13.00 | 91  | 129 | 3.047   | ug/l # | 41     |
| 83) tert-Butylbenzene          | 13.18 | 119 | 142 | 3.476   | ug/l # | 25     |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105 | 149 | 3.023   | ug/l # | 31     |
| 85) sec-Butylbenzene           | 13.41 | 105 | 76  | 1.294   | ug/l # | 56     |
| 86) p-Isopropyltoluene         | 13.51 | 119 | 56  | 1.058   | ug/l # | 1      |
| 87) 1,3-Dichlorobenzene        | 13.47 | 146 | 157 | 5.800   | ug/l # | 25     |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146 | 67  | 2.492   | ug/l # | 25     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\  
Data File : VD066973.D  
Acq On : 30 Sep 2020 14:58  
Operator : VA/SY  
Sample : L4172-10  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

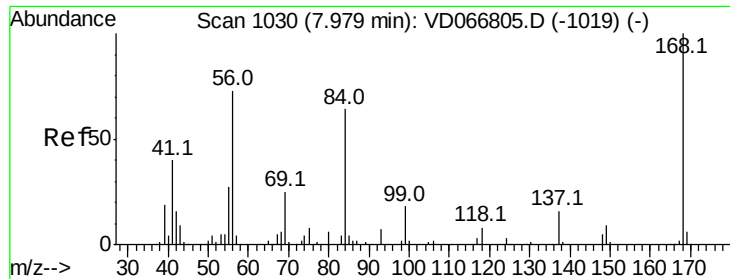
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

Quant Time: Oct 01 00:55:50 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 23 01:34:05 2020  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 89) n-Butylbenzene             | 13.85 | 91   | 72       | 1.431  | ug/l # | 33       |
| 90) Hexachloroethane           | 14.12 | 117  | 54       | 5.023  | ug/l # | 16       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 120      | 5.181  | ug/l # | 25       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.63 | 75   | 54       | 33.205 | ug/l # | 3        |
| 95) Naphthalene                | 15.41 | 128  | 1828     | 73.851 | ug/l # | 69       |

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

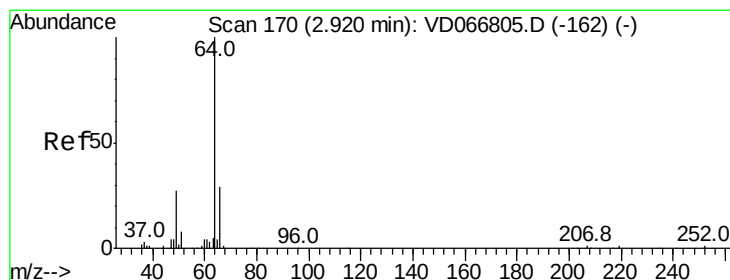
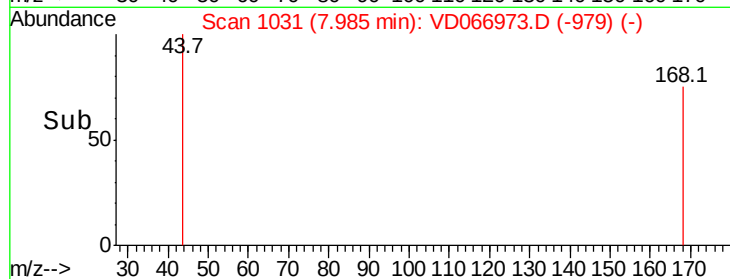
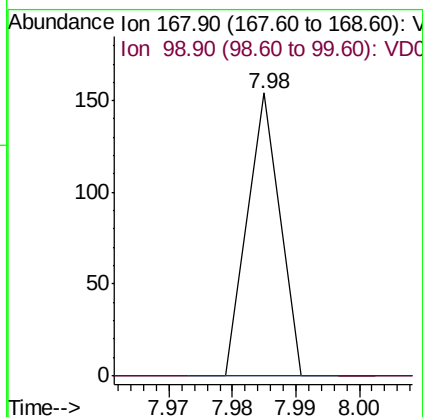
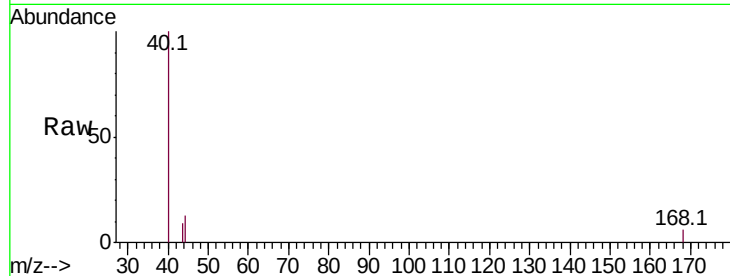




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

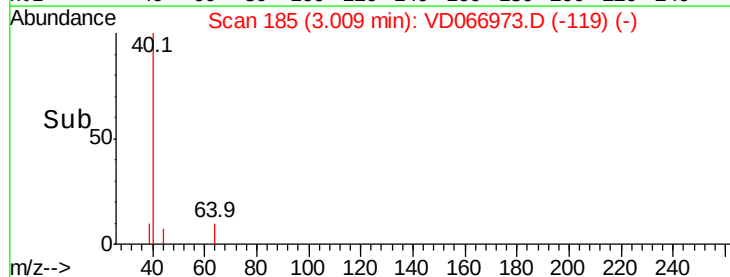
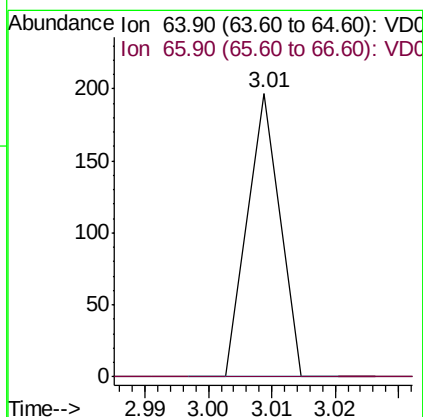
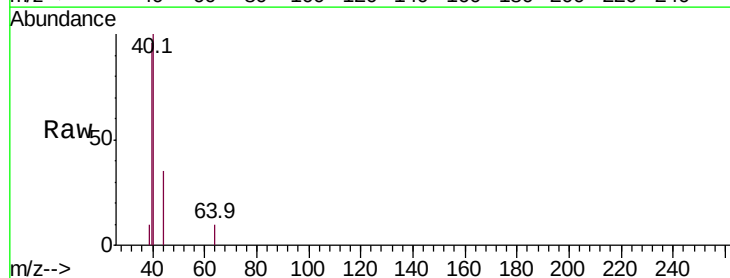
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

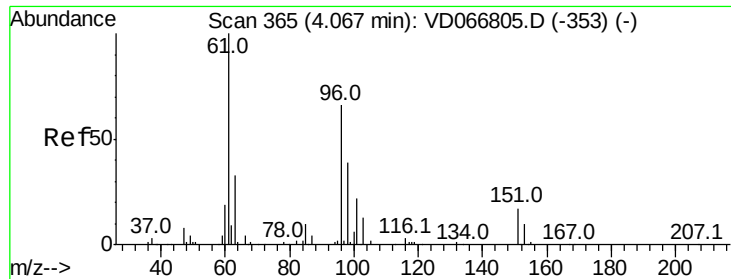
Tot Ion:168 Resp: 54  
Ion Ratio Lower Upper  
168 100  
99 0.0 46.6 69.8#



#6  
Chloroethane  
Concen: 229.969 ug/l  
RT: 3.01 min Scan# 185  
Delta R.T. 0.09 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Tgt Ion: 64 Resp: 70  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.3 34.9#

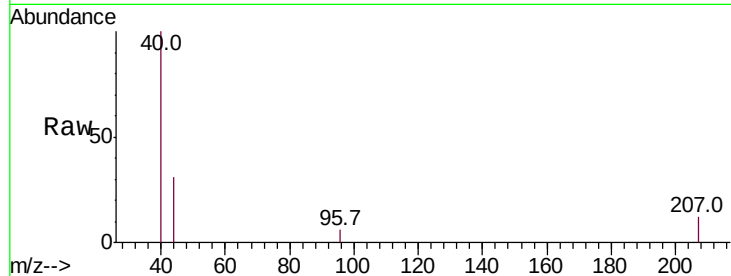




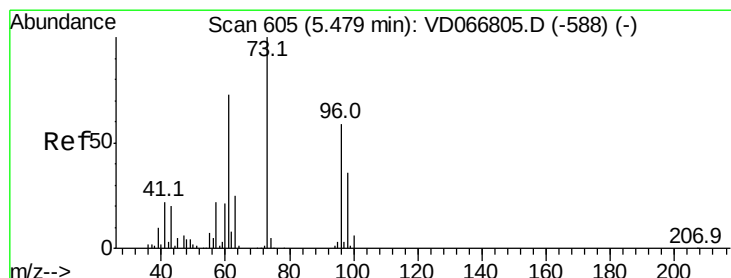
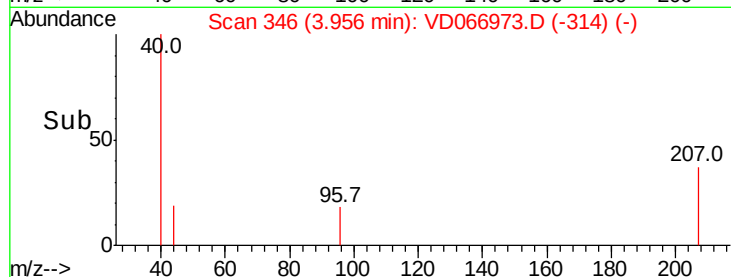
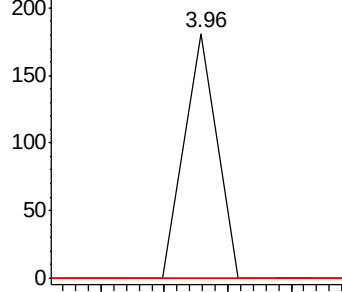
#12  
 1,1-Dichloroethene  
 Concen: 121.033 ug/l  
 RT: 3.96 min Scan# 346  
 Delta R.T. -0.11 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7(12-14)

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 0.0   | 120.8 | 181.2# |
| 98      | 0.0   | 47.7  | 71.5#  |

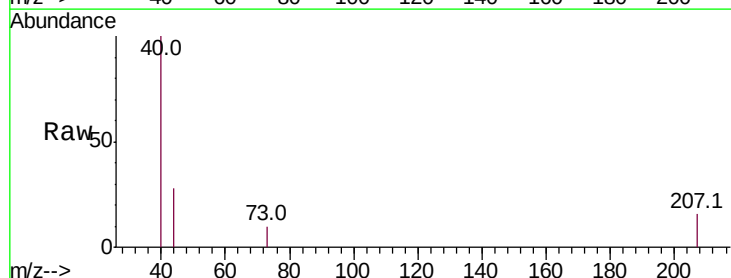


Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.90 (60.60 to 61.60): VDC  
 Ion 97.90 (97.60 to 98.60): VDC

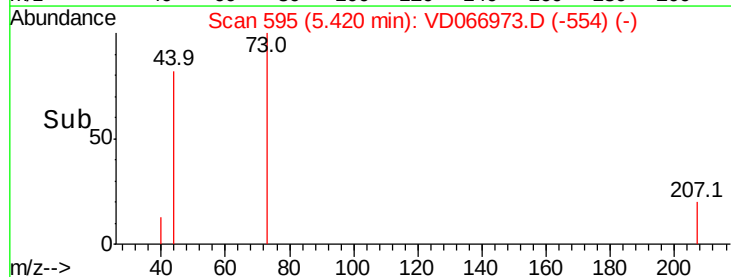
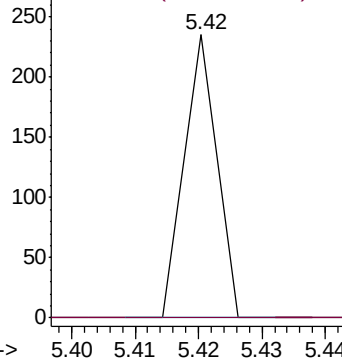


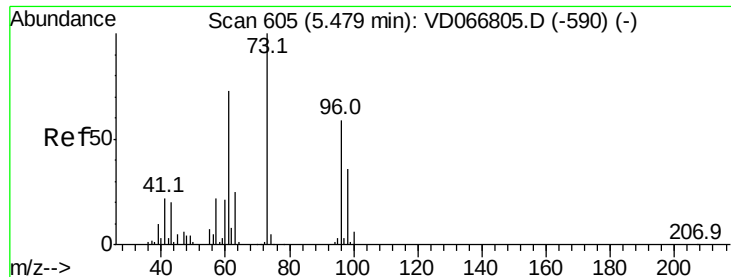
#19  
 Methyl tert-butyl Ether  
 Concen: 72.279 ug/l  
 RT: 5.42 min Scan# 595  
 Delta R.T. -0.06 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 0.0   | 17.4  | 26.2# |



Abundance Ion 73.00 (72.70 to 73.70): VDC  
 Ion 57.00 (56.70 to 57.70): VDC





#21

trans-1,2-Dichloroethene

Concen: 96.363 ug/l

RT: 5.76 min Scan# 652

Delta R.T. 0.28 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

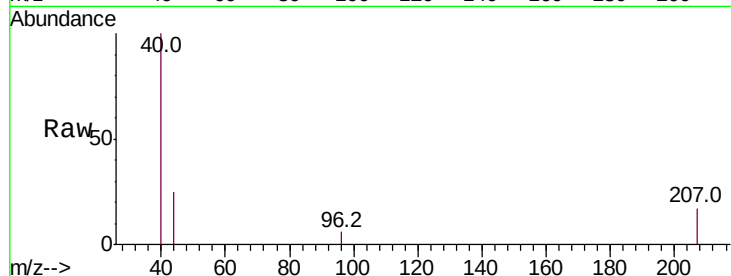
Tot Ion: 96 Resp: 59

Ion Ratio Lower Upper

96 100

61 0.0 98.9 148.3#

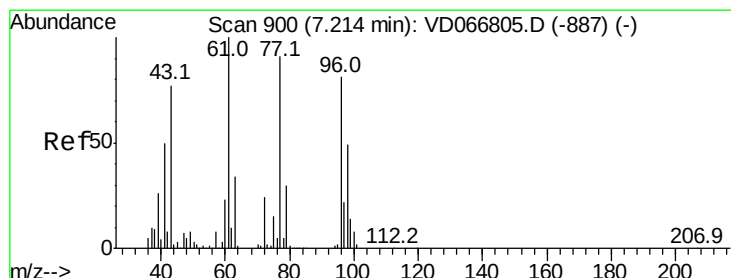
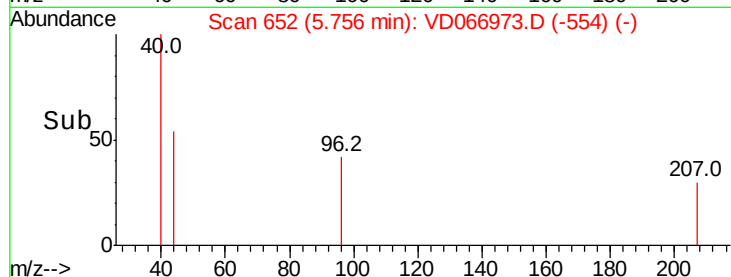
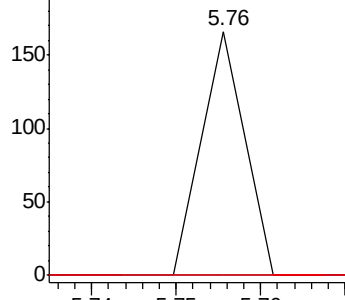
98 0.0 48.4 72.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#27

cis-1,2-Dichloroethene

Concen: 109.734 ug/l

RT: 7.10 min Scan# 880

Delta R.T. -0.12 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

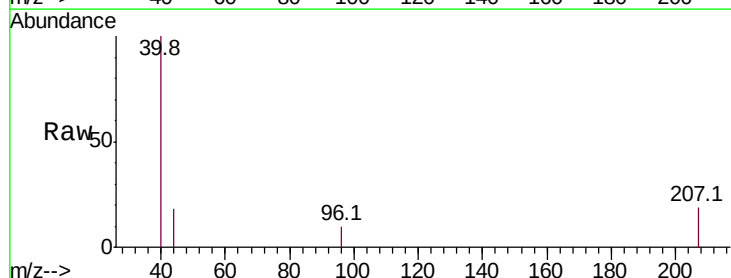
Tgt Ion: 96 Resp: 73

Ion Ratio Lower Upper

96 100

61 0.0 0.0 283.8

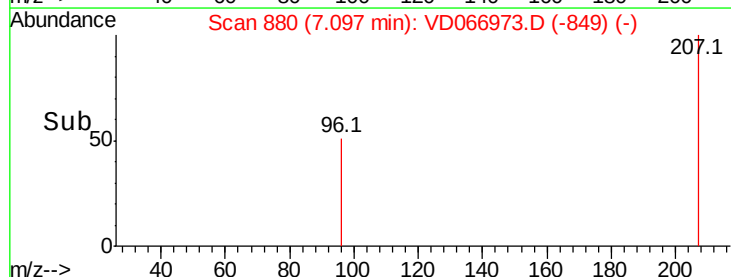
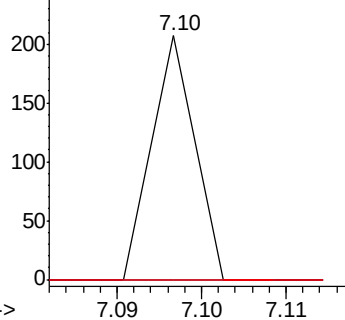
98 0.0 0.0 128.4

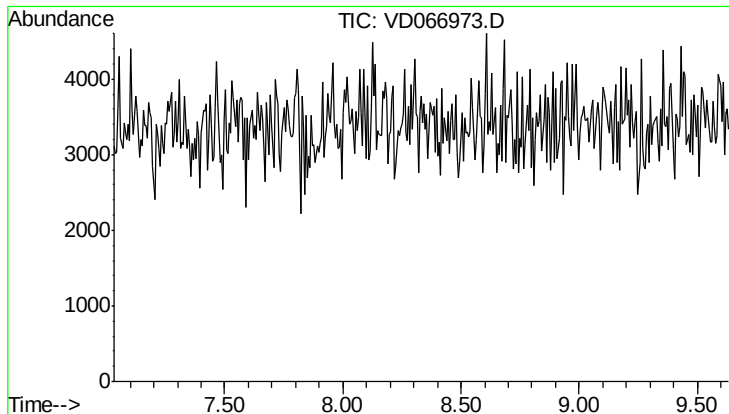


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

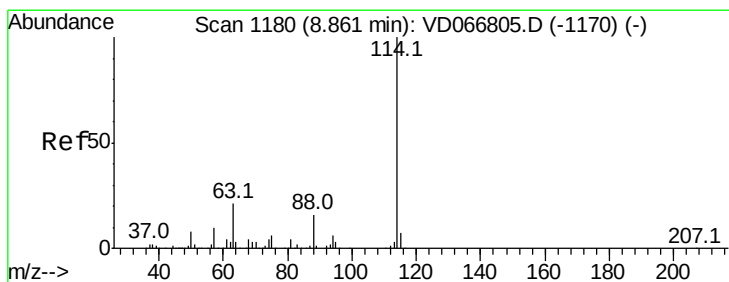
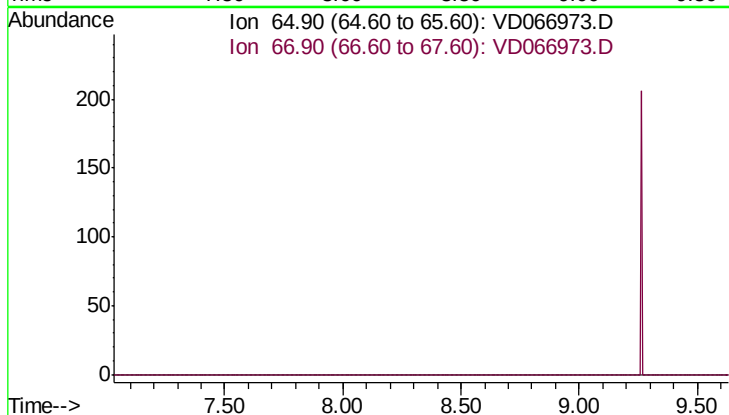




#33  
 1,2-Dichloroethane-d4  
 Concen: 0.000 ug/l  
 Expected RT: 8.33 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

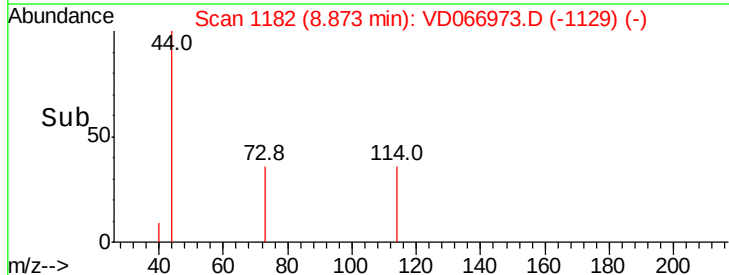
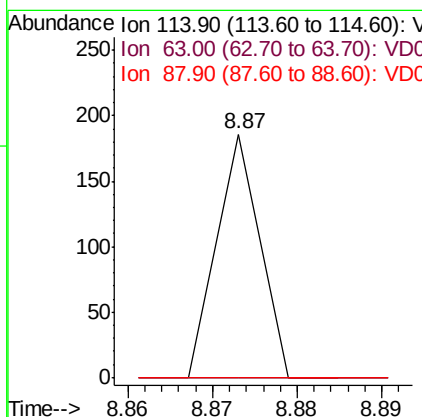
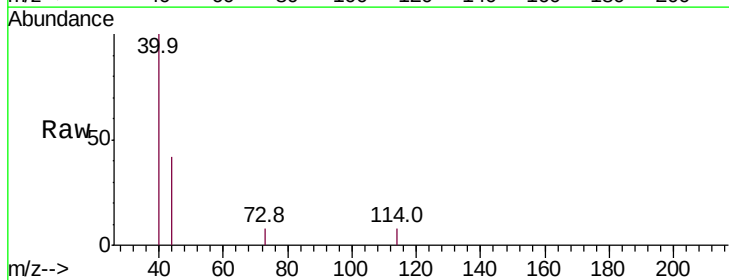
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7(12-14)

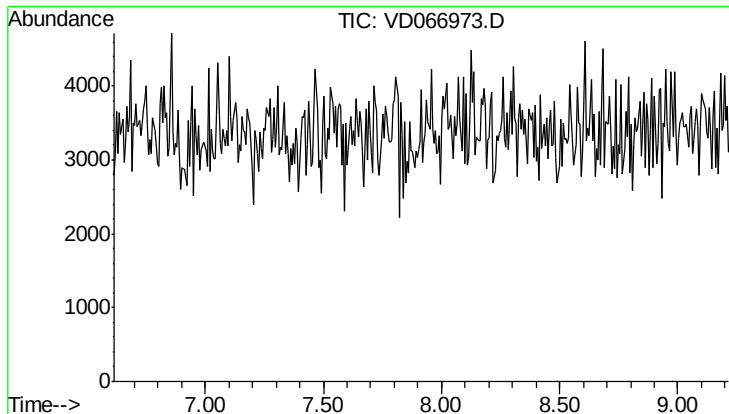
Tot Ion: 65  
 Sig Exp Ratio  
 65 100  
 67 53.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1182  
 Delta R.T. 0.01 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

| Tgt Ion | Ratio | Lower | Upper | Resp |
|---------|-------|-------|-------|------|
| 114     | 100   |       |       | 66   |
| 63      | 0.0   | 0.0   | 42.6  |      |
| 88      | 0.0   | 0.0   | 32.6  |      |

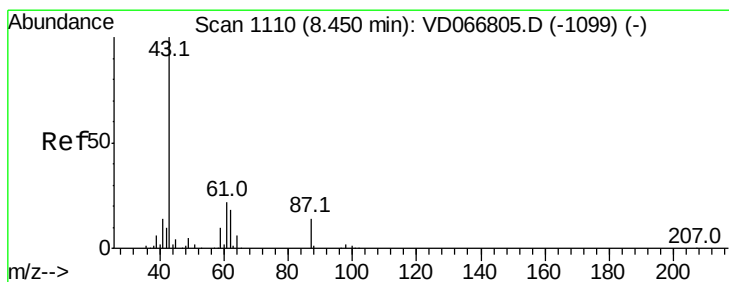
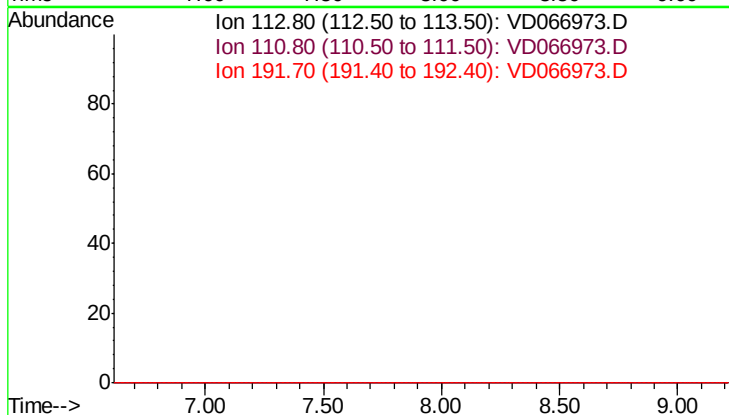




#35  
 Dibromofluoromethane  
 Concen: 0.000 ug/l  
 Expected RT: 7.91 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

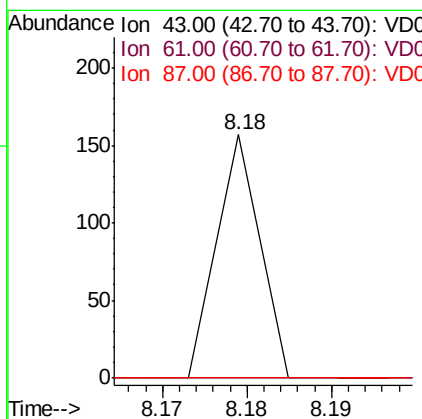
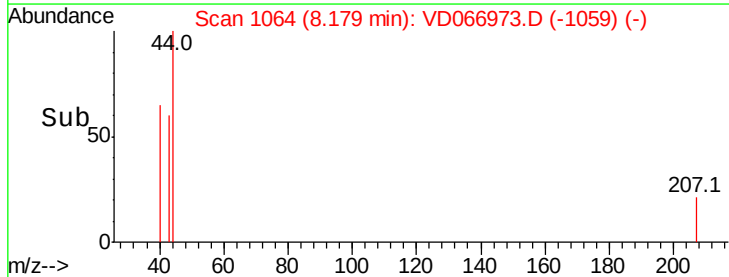
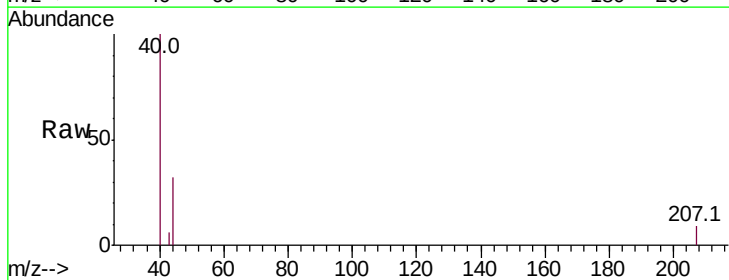
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7(12-14)

Tot Ion: 113  
 Sig Exp Ratio  
 113 100  
 111 102.3  
 192 18.0

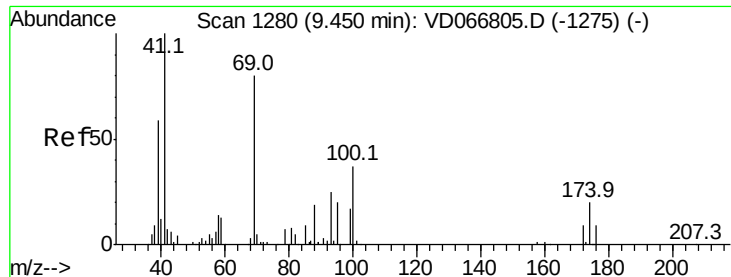


#43  
 Isopropyl Acetate  
 Concen: 120.519 ug/l  
 RT: 8.18 min Scan# 1064  
 Delta R.T. -0.27 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

Tgt Ion: 43 Resp: 55  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 26.2 39.4#  
 87 0.0 11.5 17.3#



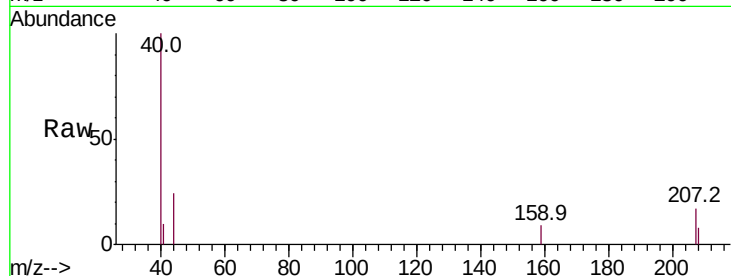




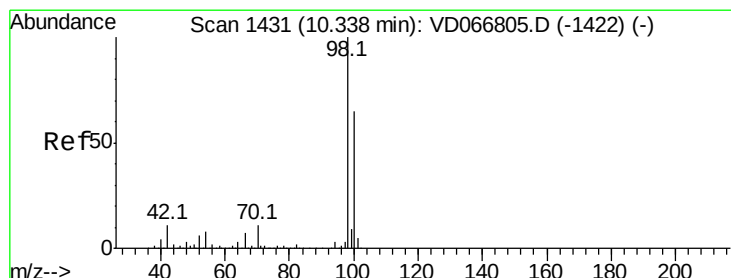
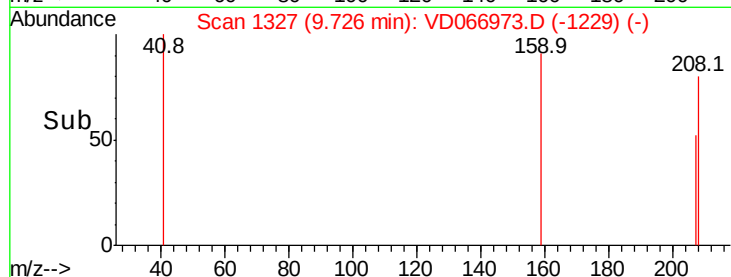
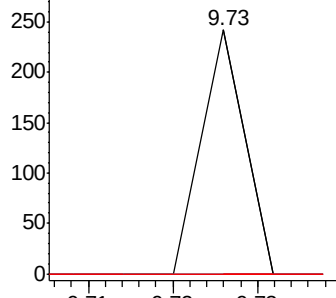
#48  
Methvl methacrylate  
Concen: 377.771 ug/l  
RT: 9.73 min Scan# 1327  
Delta R.T. 0.28 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

Tot Ion: 41 Resp: 85  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.5 111.7#  
39 0.0 47.0 70.6#

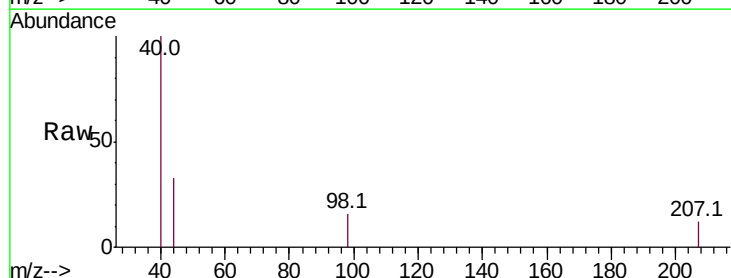


Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC

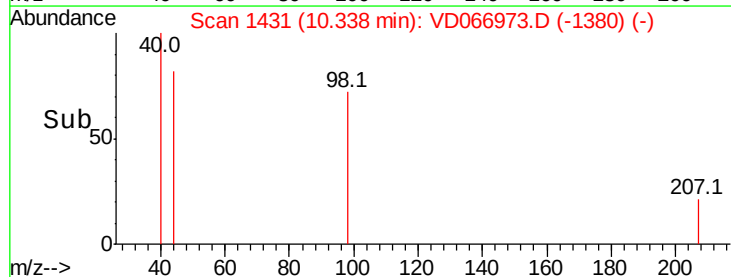
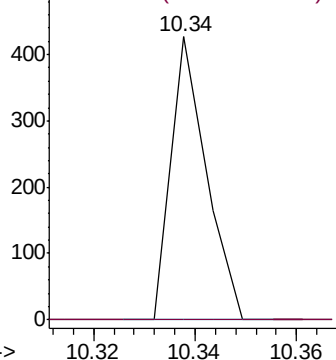


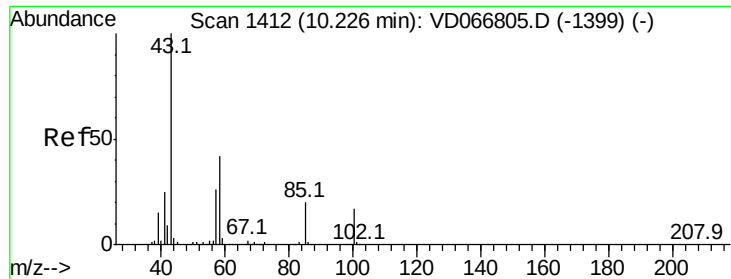
#50  
Toluene-d8  
Concen: 146.088 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Tgt Ion: 98 Resp: 209  
Ion Ratio Lower Upper  
98 100  
100 0.0 52.2 78.2#



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

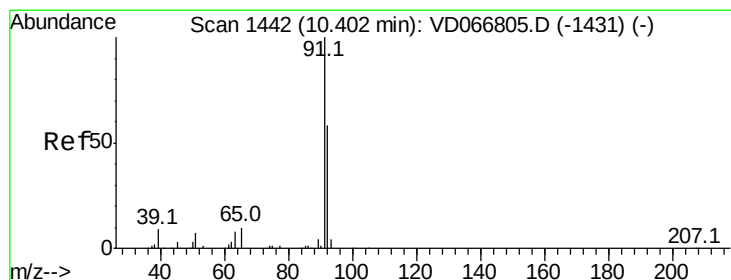
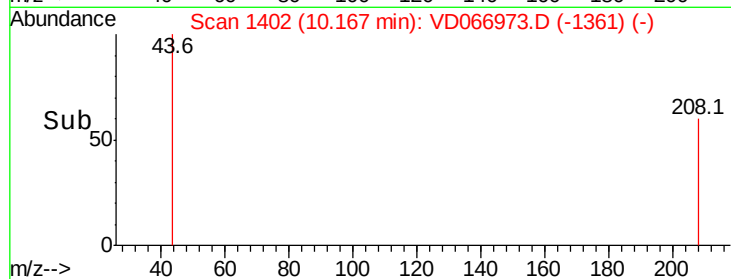
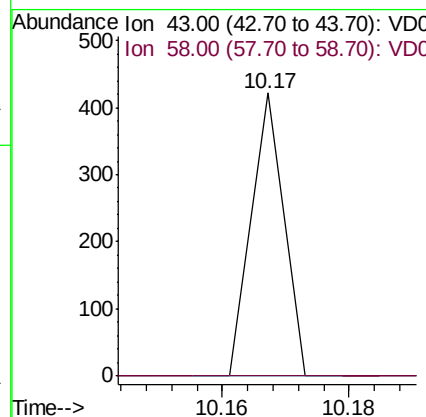
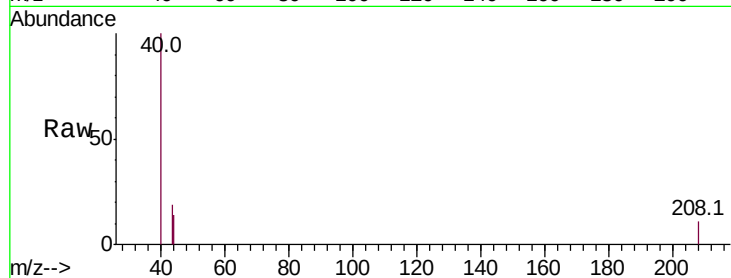




#51  
4-Methyl-2-Pentanone  
Concen: 644.356 ug/l  
RT: 10.17 min Scan# 1402  
Delta R.T. -0.06 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

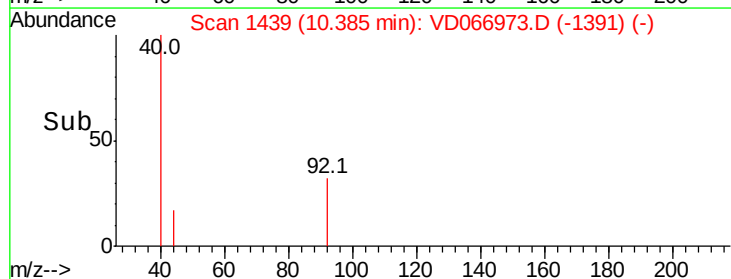
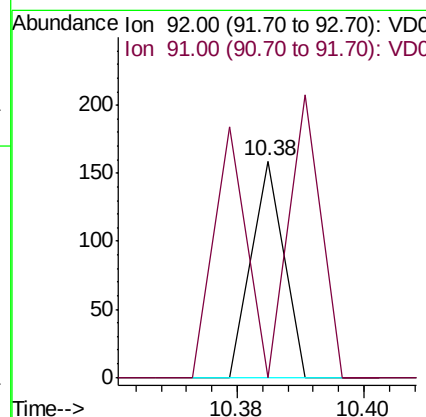
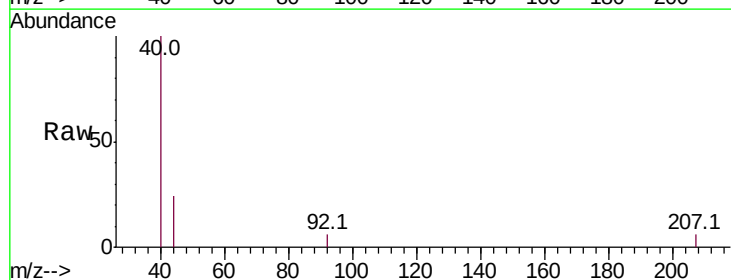
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

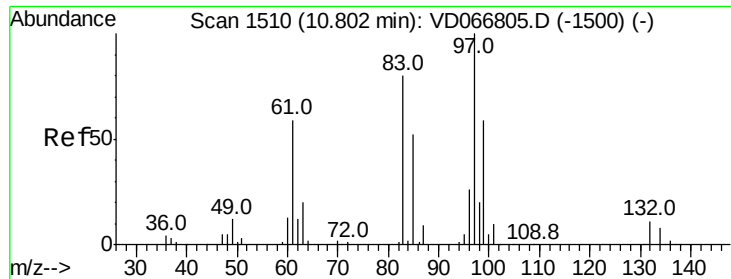
Tot Ion: 43 Resp: 149  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.2 48.4#



#52  
Toluene  
Concen: 47.642 ug/l  
RT: 10.38 min Scan# 1439  
Delta R.T. -0.02 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Tgt Ion: 92 Resp: 56  
Ion Ratio Lower Upper  
92 100  
91 116.1 134.6 202.0#

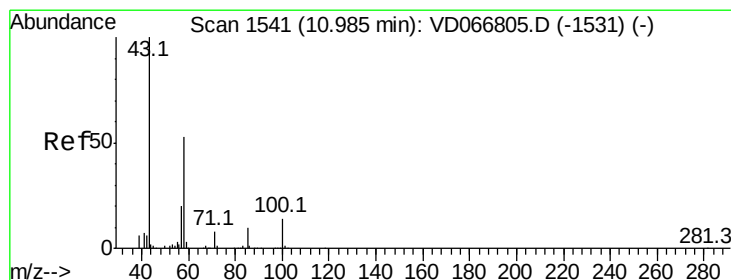
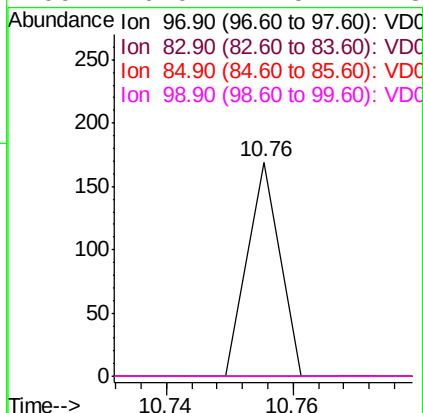
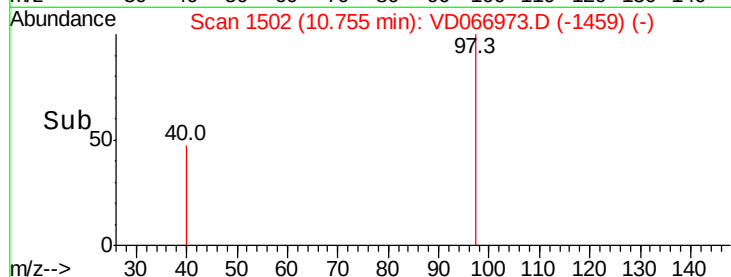
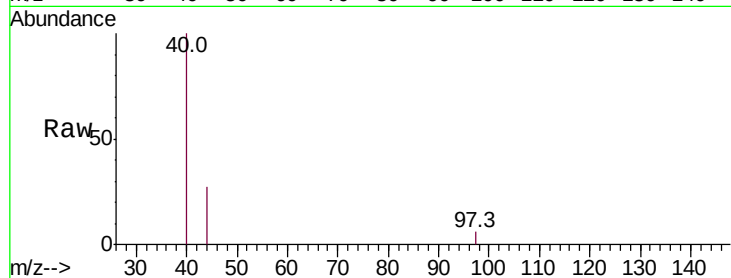




#55  
 1,1,2-Trichloroethane  
 Concen: 174.961 ug/l  
 RT: 10.76 min Scan# 1502  
 Delta R.T. -0.05 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

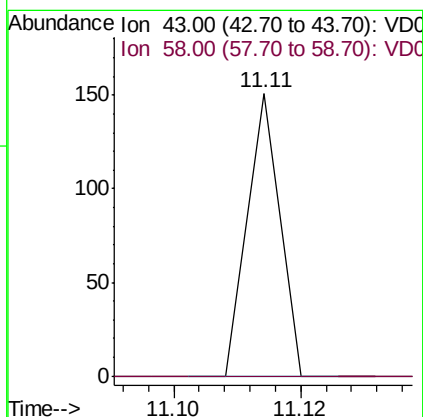
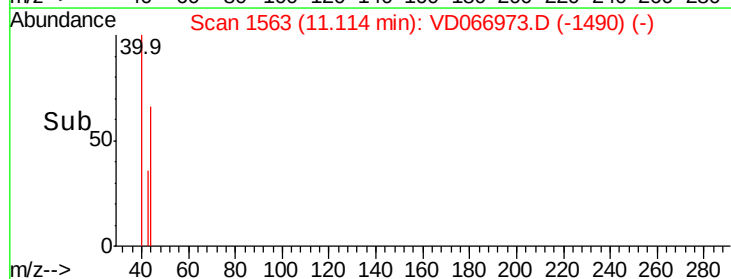
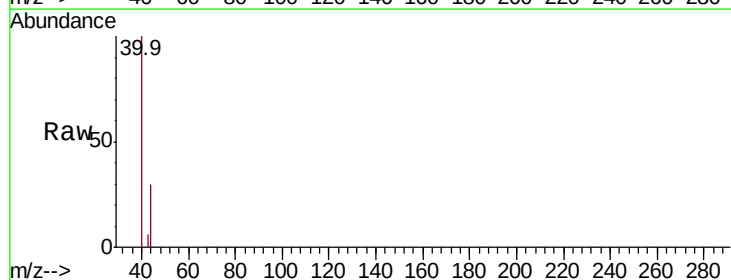
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7(12-14)

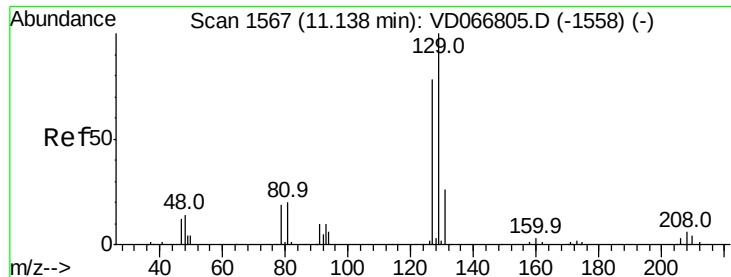
Tot Ion: 97 Resp: 60  
 Ion Ratio Lower Upper  
 97 100  
 83 0.0 64.2 96.2#  
 85 0.0 41.9 62.9#  
 99 0.0 47.5 71.3#



#59  
 2-Hexanone  
 Concen: 339.871 ug/l  
 RT: 11.11 min Scan# 1563  
 Delta R.T. 0.13 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

Tgt Ion: 43 Resp: 53  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 27.0 80.8#





#60

Dibromochloromethane

Concen: 174.273 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.11 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

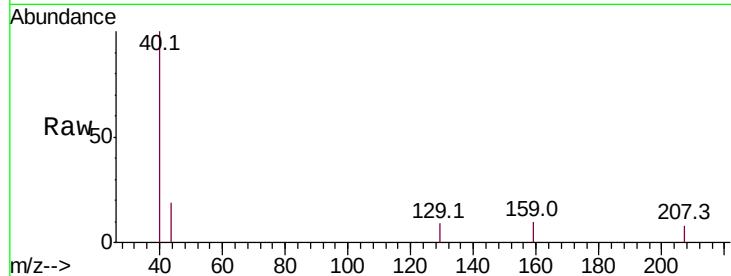
B-7(12-14)

Tot Ion:129 Resp: 78

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.24

250

200

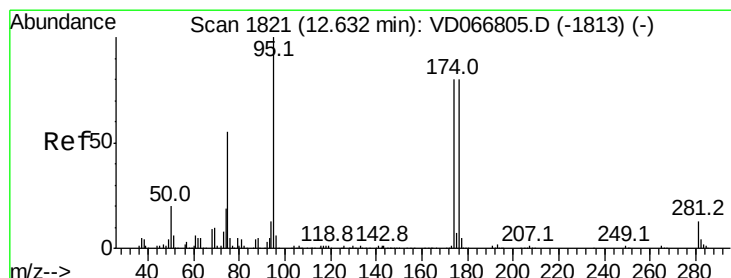
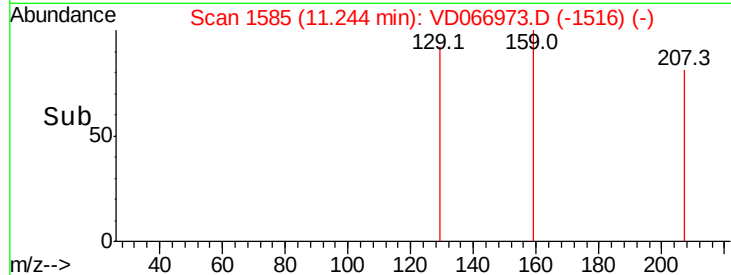
150

100

50

0

Time--> 11.22 11.24 11.26



#62

4-Bromofluorobenzene

Concen: 306.273 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. -0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

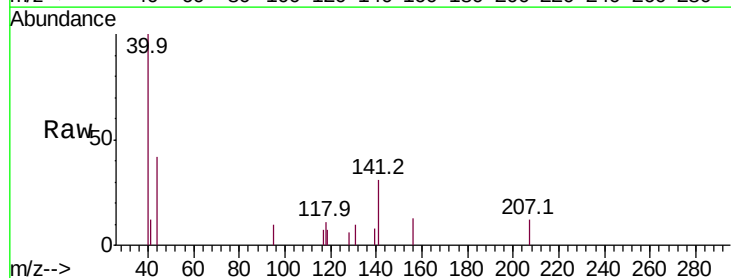
Tgt Ion: 95 Resp: 150

Ion Ratio Lower Upper

95 100

174 113.3 0.0 159.8

176 0.0 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

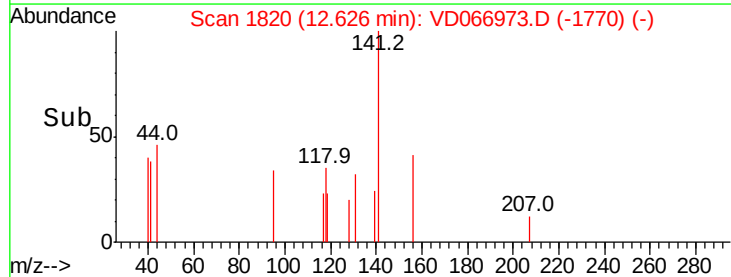
300

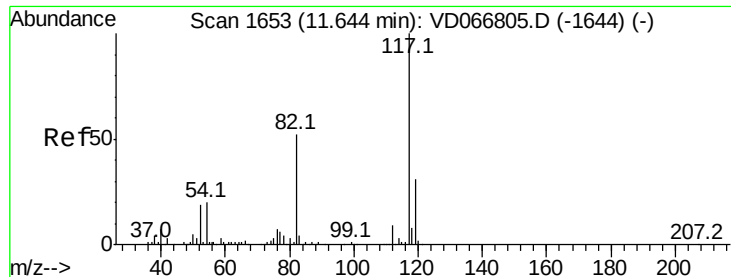
200

100

0

Time--> 12.60 12.62 12.64





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

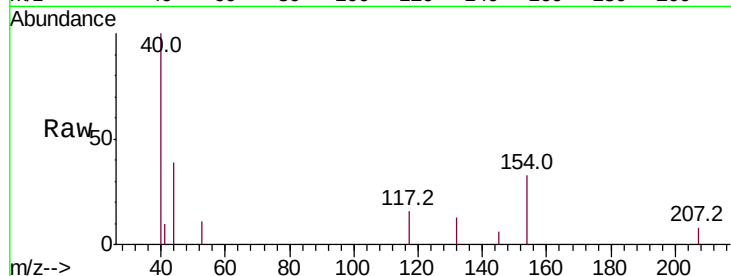
Tot Ion:117 Resp: 272

Ion Ratio Lower Upper

117 100

82 0.0 41.8 62.6#

119 0.0 24.6 37.0#



Abundance Ion 116.90 (116.60 to 117.60): V

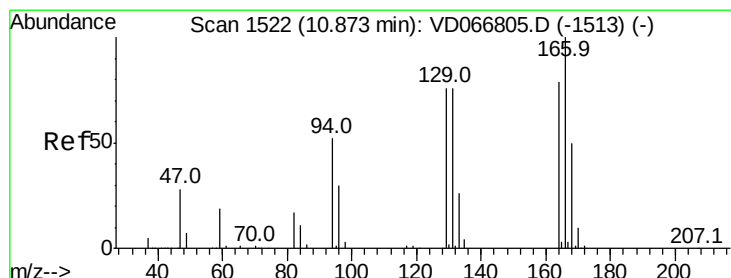
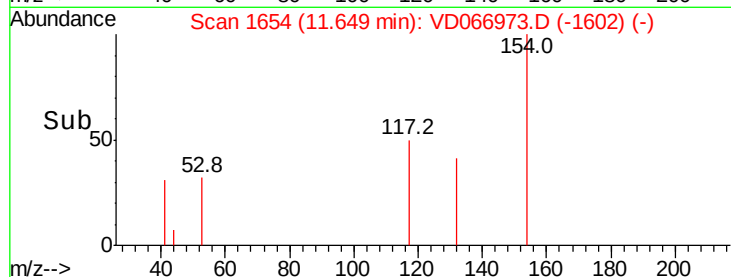
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

11.64 11.66

Time-->



#64

Tetrachloroethene

Concen: 30.666 ug/l

RT: 10.86 min Scan# 1520

Delta R.T. -0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Tgt Ion:164 Resp: 60

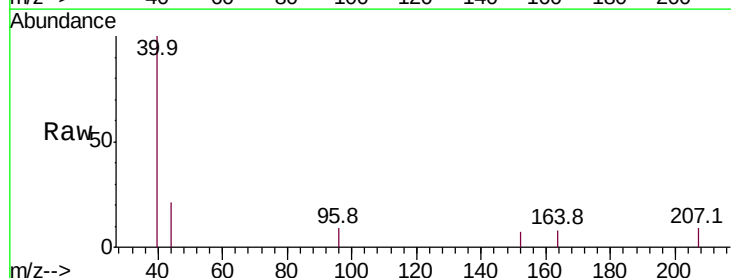
Ion Ratio Lower Upper

164 100

166 0.0 101.1 151.7#

129 0.0 77.0 115.4#

131 0.0 76.6 115.0#



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

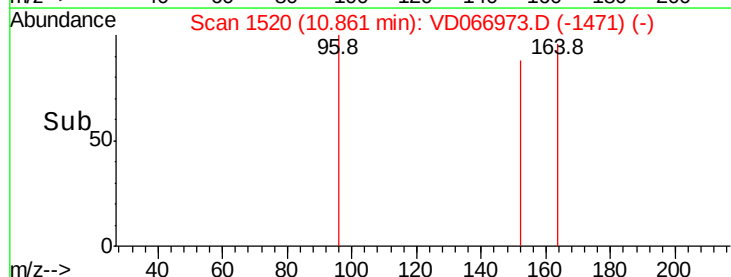
Ion 128.80 (128.50 to 129.50): V

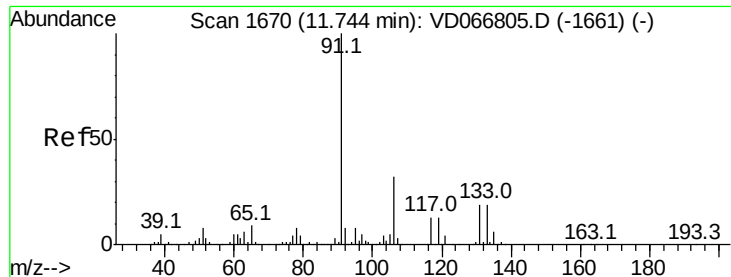
Ion 130.80 (130.50 to 131.50): V

10.86

10.84 10.88

Time-->





#66

1,1,1,2-Tetrachloroethane

Concen: 76.066 ug/l

RT: 11.78 min Scan# 1677

Delta R.T. 0.04 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

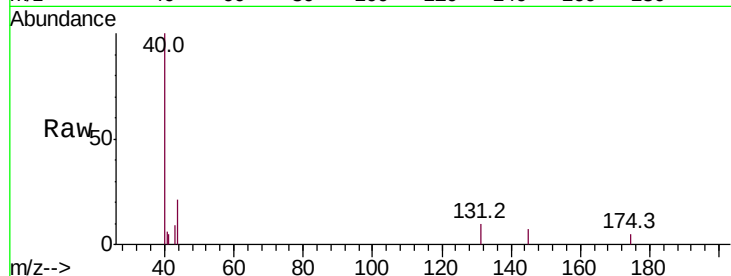
Tot Ion:131 Resp: 163

Ion Ratio Lower Upper

131 100

133 0.0 46.7 140.1#

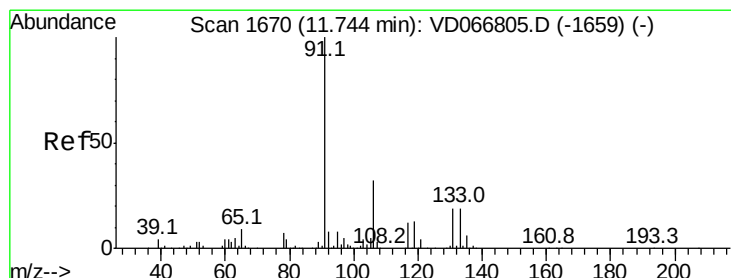
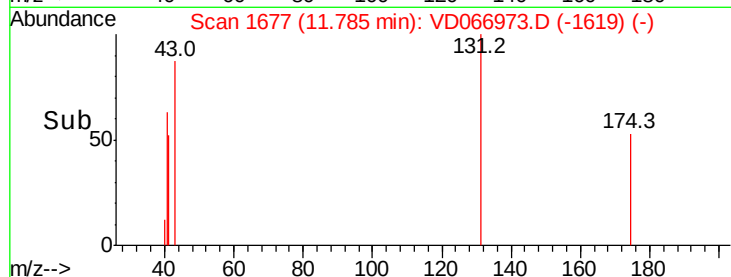
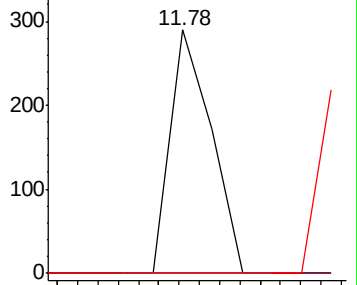
119 0.0 32.3 96.9#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 5.833 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066973.D

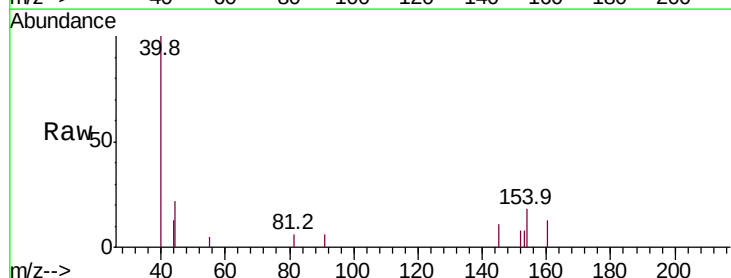
Acq: 30 Sep 2020 14:58

Tgt Ion: 91 Resp: 58

Ion Ratio Lower Upper

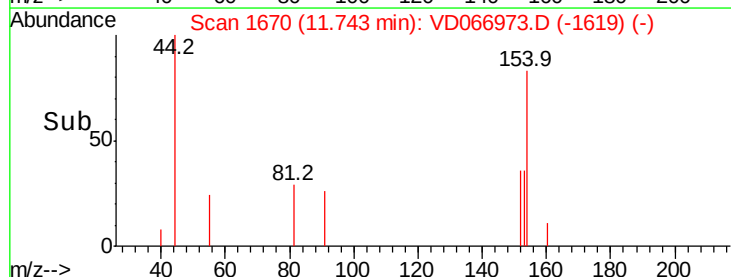
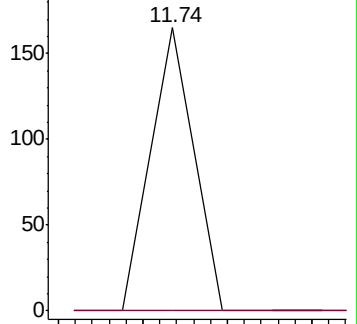
91 100

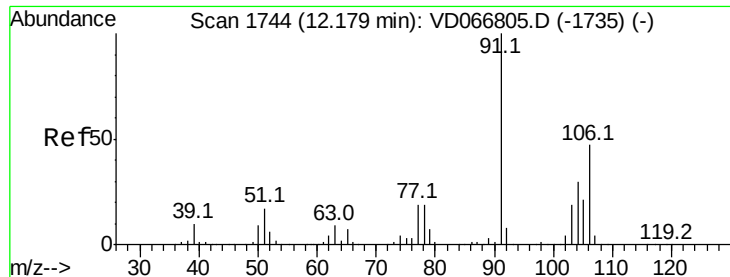
106 0.0 25.6 38.4#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

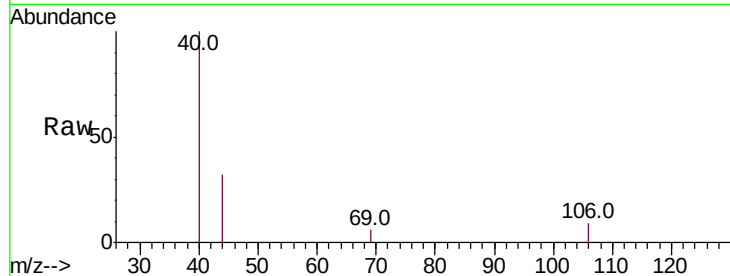




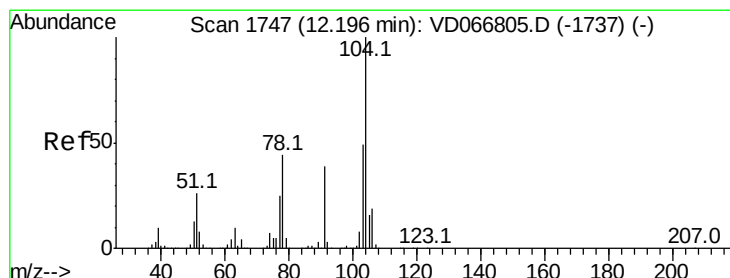
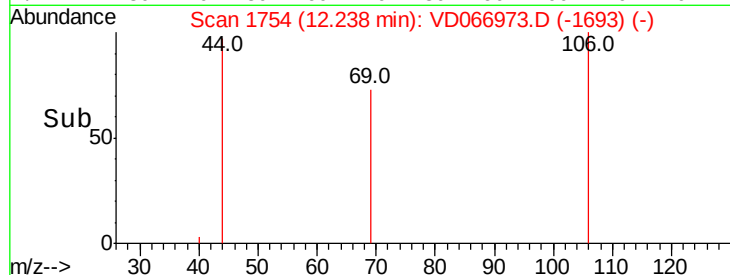
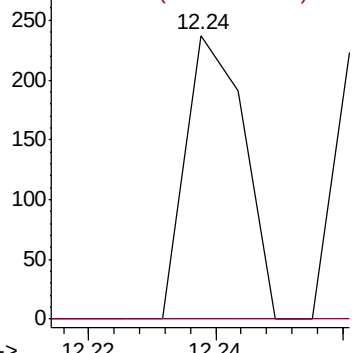
#69  
o-Xylene  
Concen: 44.355 ug/l  
RT: 12.24 min Scan# 1754  
Delta R.T. 0.06 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

Tot Ion:106 Resp: 151  
Ion Ratio Lower Upper  
106 100  
91 0.0 106.3 318.8#

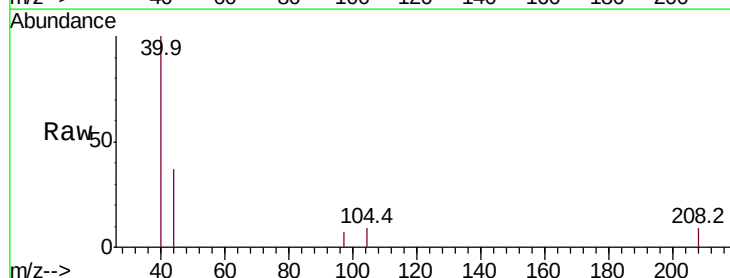


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

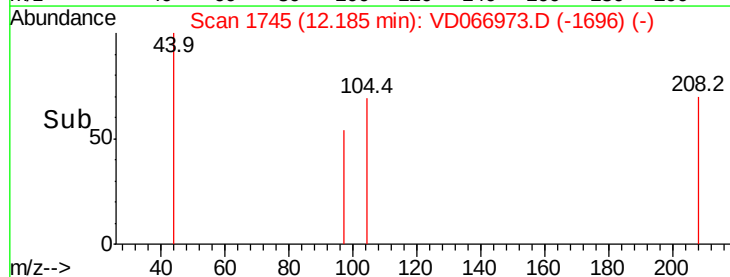
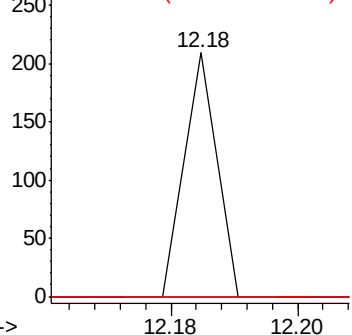


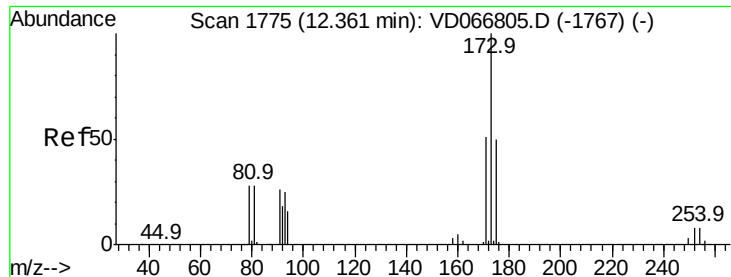
#70  
Styrene  
Concen: 12.517 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.01 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Tgt Ion:104 Resp: 74  
Ion Ratio Lower Upper  
104 100  
78 0.0 38.9 58.3#  
103 0.0 43.2 64.8#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 57.144 ug/l

RT: 12.44 min Scan# 1788

Delta R.T. 0.08 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

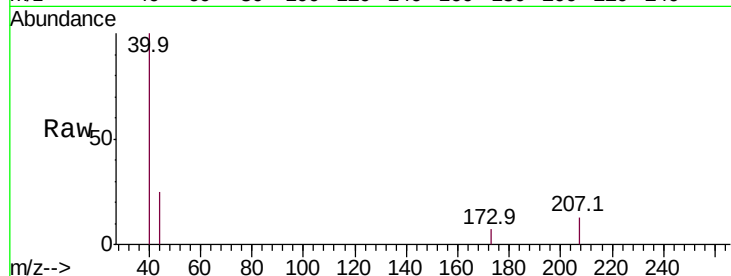
Tot Ion:173 Resp: 62

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.6#

254 0.0 0.1 0.1#

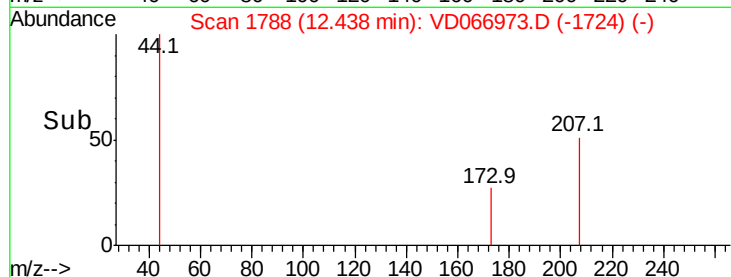


Abundance Ion 172.70 (172.40 to 173.40): V

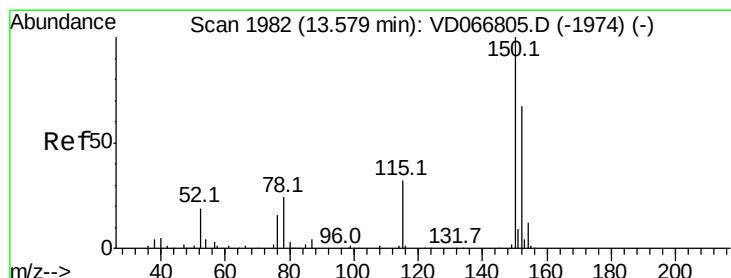
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.44



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.59 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

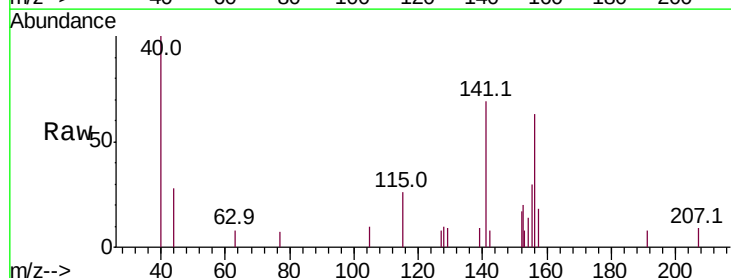
Tgt Ion:152 Resp: 811

Ion Ratio Lower Upper

152 100

115 148.7 30.3 91.0#

150 23.4 0.0 346.2

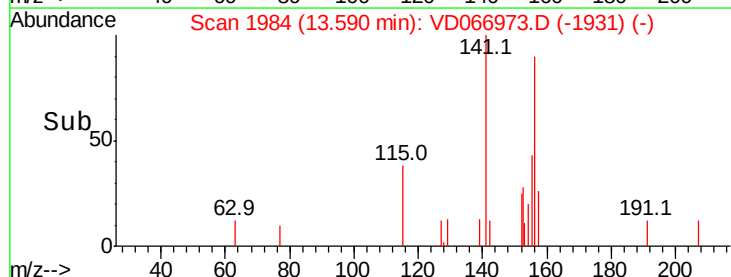


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

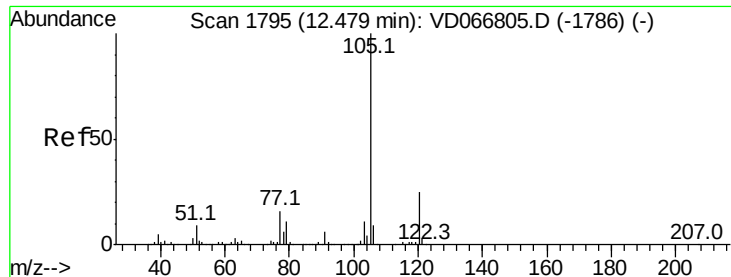
Ion 149.90 (149.60 to 150.60): V

13.59



Time-->





#73

Isopropylbenzene

Concen: 1.024 ug/l

RT: 12.46 min Scan# 1792

Delta R.T. -0.02 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

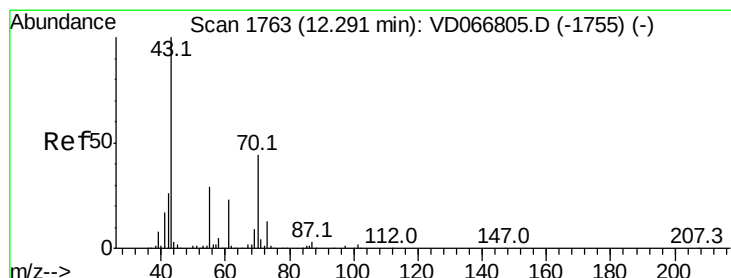
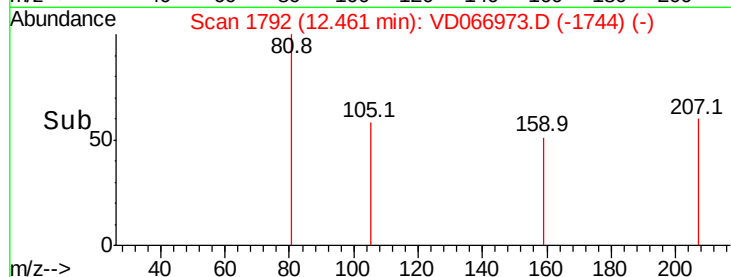
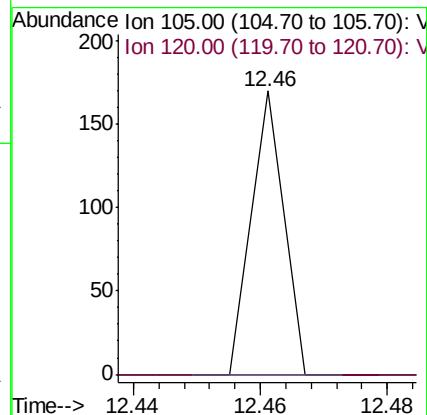
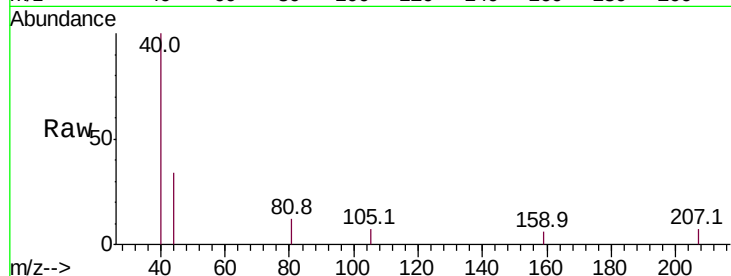
B-7(12-14)

Tot Ion:105 Resp: 60

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.6#



#74

N-ethyl acetate

Concen: 6.293 ug/l

RT: 12.13 min Scan# 1735

Delta R.T. -0.16 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Tgt Ion: 43 Resp: 72

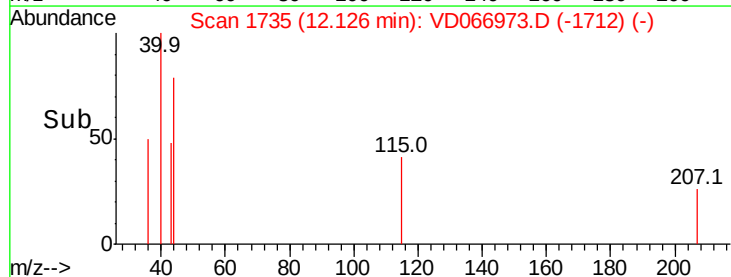
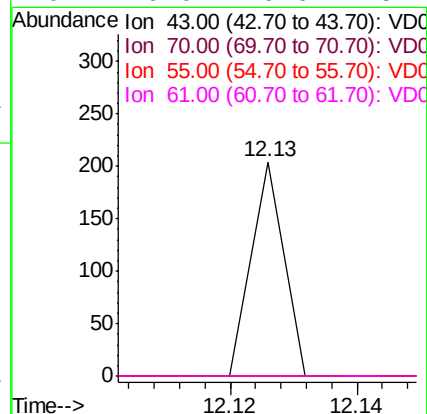
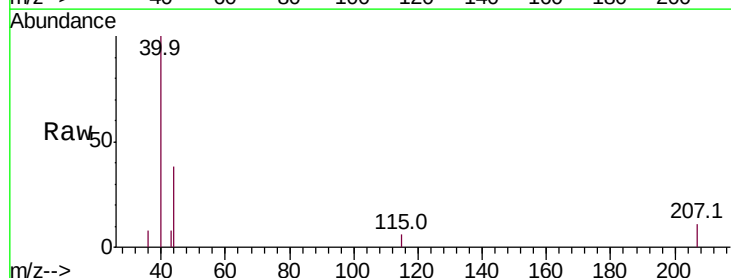
Ion Ratio Lower Upper

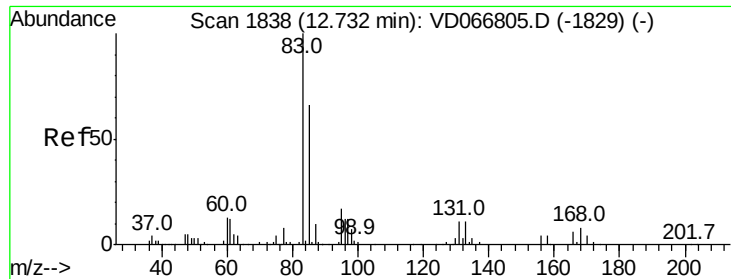
43 100

70 0.0 36.1 54.1#

55 0.0 21.8 32.8#

61 0.0 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 6.529 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.04 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

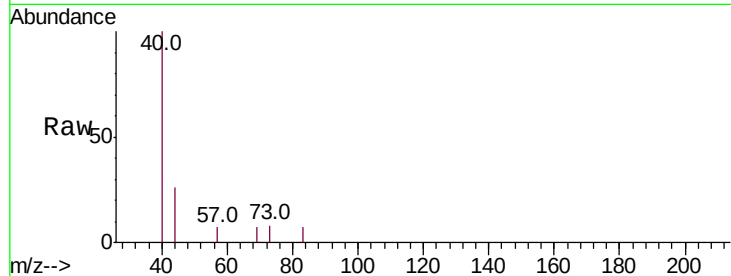
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 0.0 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.77

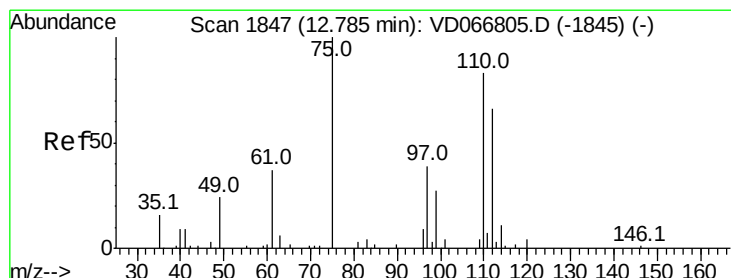
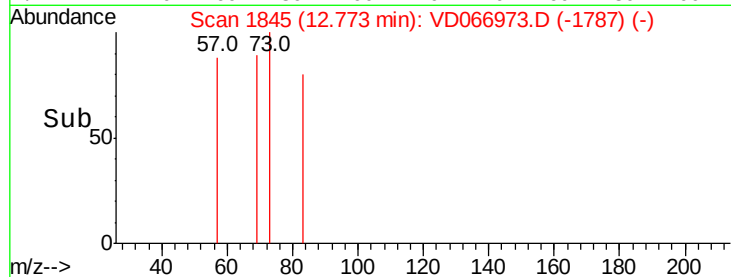
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 9.820 ug/l

RT: 12.60 min Scan# 1815

Delta R.T. -0.19 min

Lab File: VD066973.D

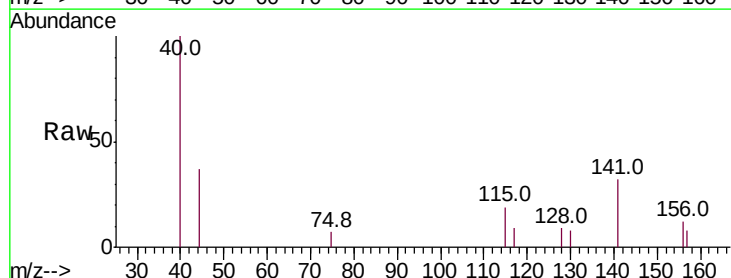
Acq: 30 Sep 2020 14:58

Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 183.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.60

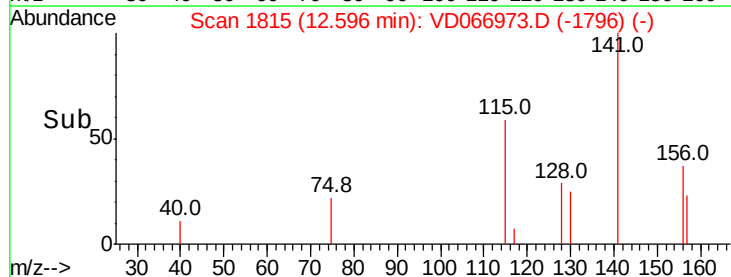
150

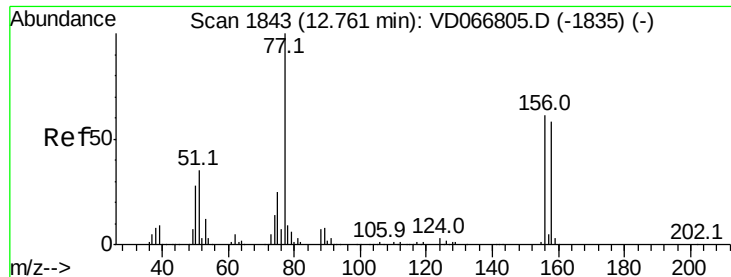
100

50

0

Time-->





#77

Bromobenzene

Concen: 11.385 ug/l

RT: 12.68 min Scan# 1829

Delta R.T. -0.08 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

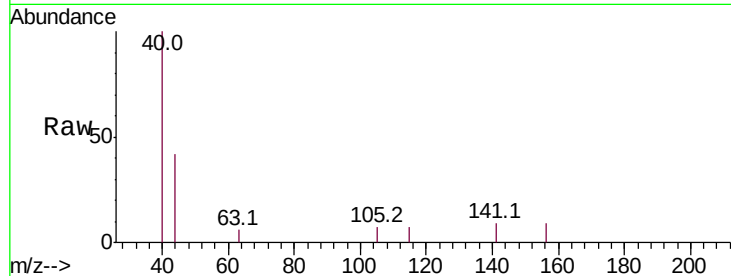
Tot Ion:156 Resp: 156

Ion Ratio Lower Upper

156 100

77 0.0 92.3 276.9#

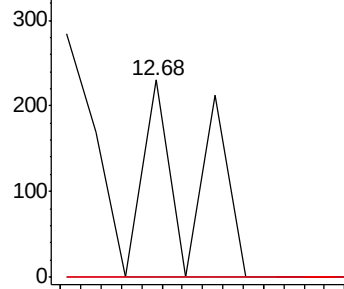
158 0.0 47.6 142.9#



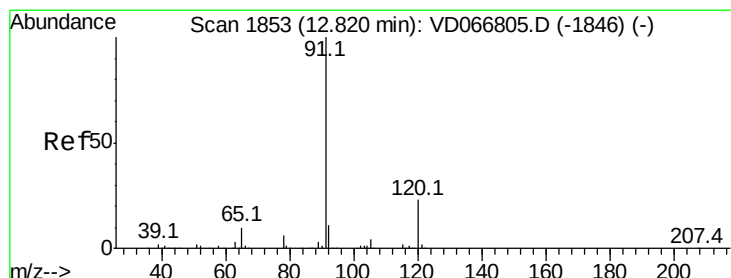
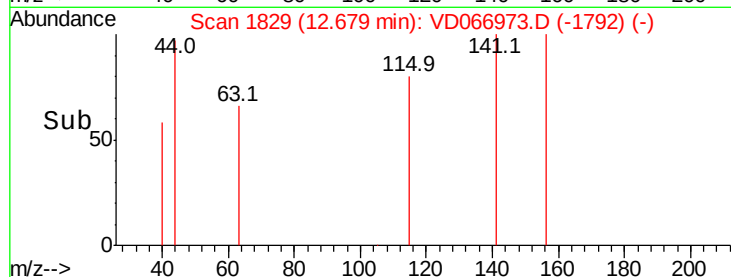
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 1.773 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD066973.D

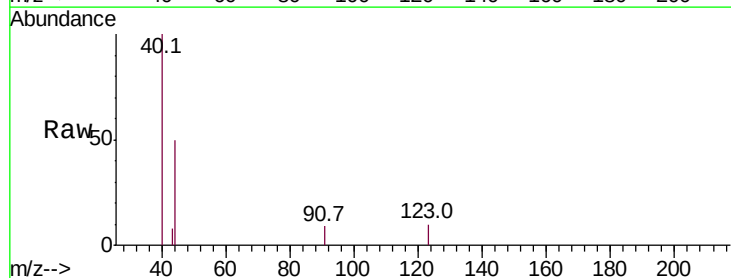
Acq: 30 Sep 2020 14:58

Tgt Ion: 91 Resp: 125

Ion Ratio Lower Upper

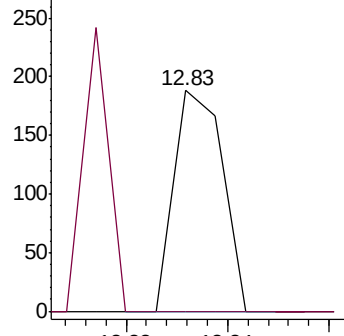
91 100

120 68.0 11.4 34.2#

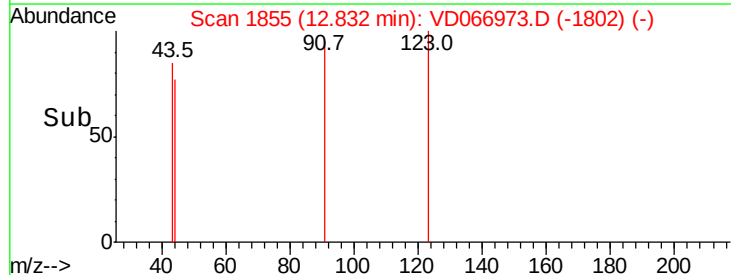


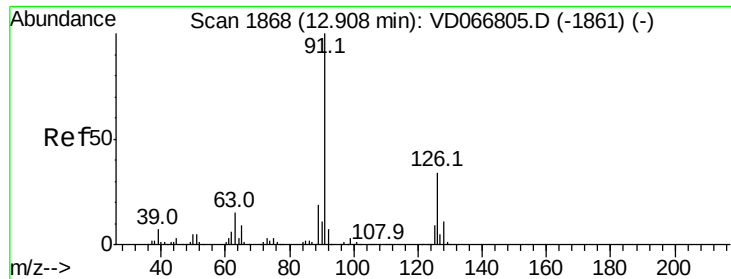
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

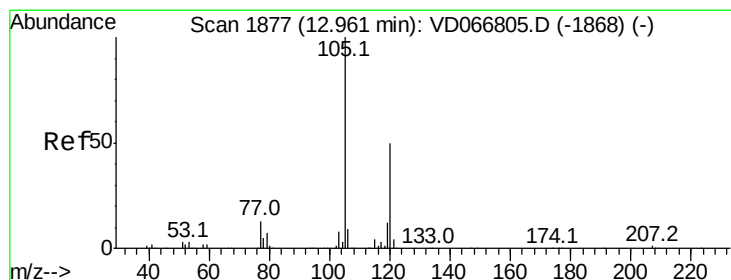
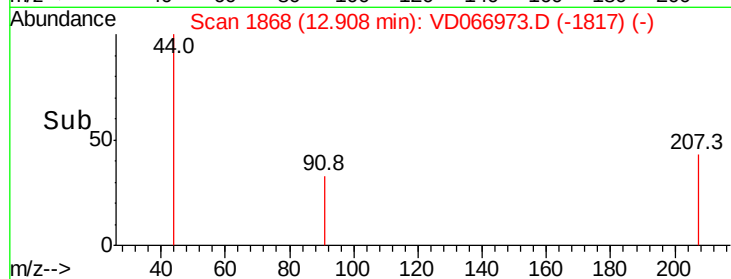
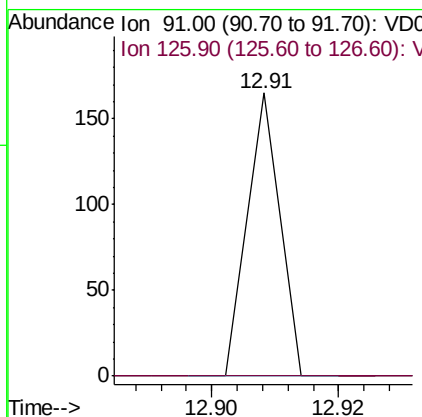
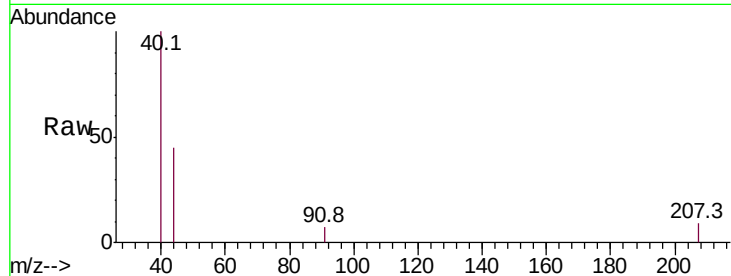




#79  
 2-Chlorotoluene  
 Concen: 1.444 ug/l  
 RT: 12.91 min Scan# 1868  
 Delta R.T. -0.00 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

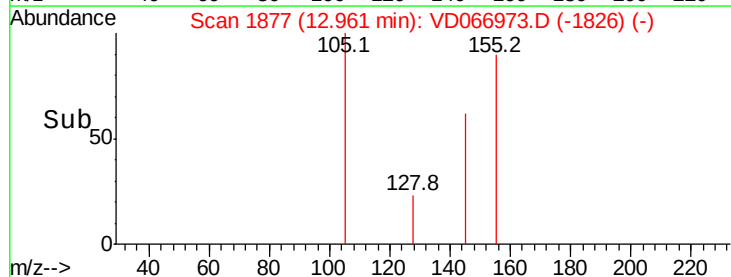
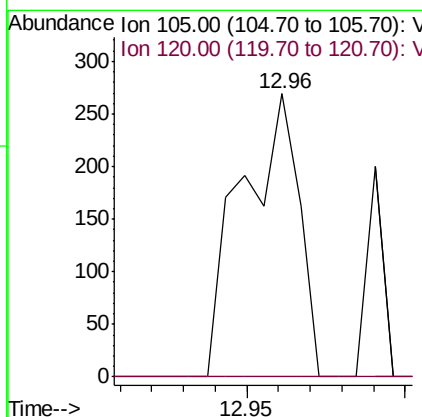
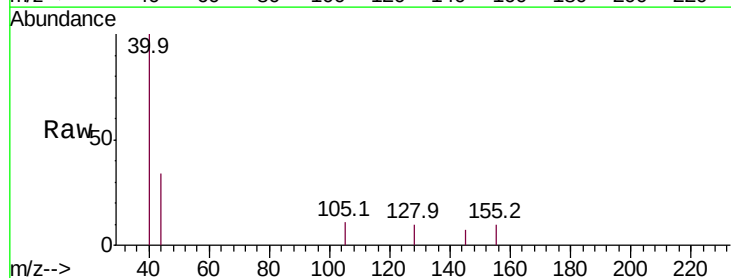
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-7(12-14)

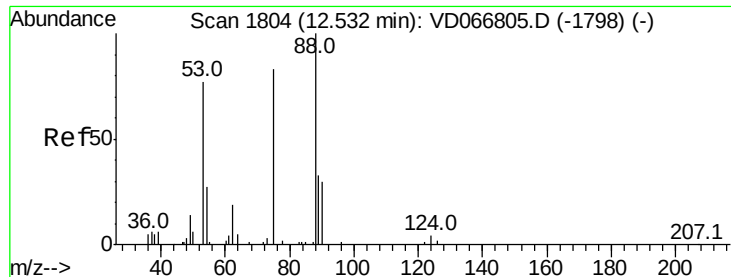
Tot Ion: 91 Resp: 58  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 17.0 51.0#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 6.799 ug/l  
 RT: 12.96 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VD066973.D  
 Acq: 30 Sep 2020 14:58

Tgt Ion:105 Resp: 338  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 24.4 73.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 24.569 ug/l

RT: 12.60 min Scan# 1815

Delta R.T. 0.06 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

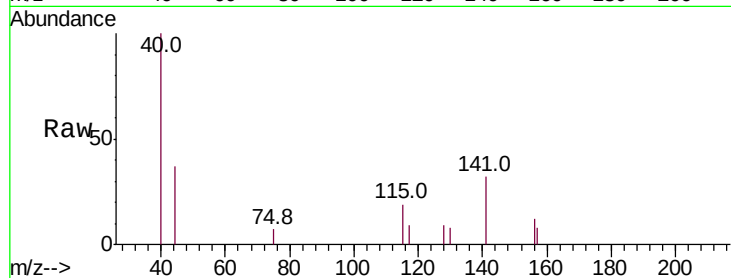
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

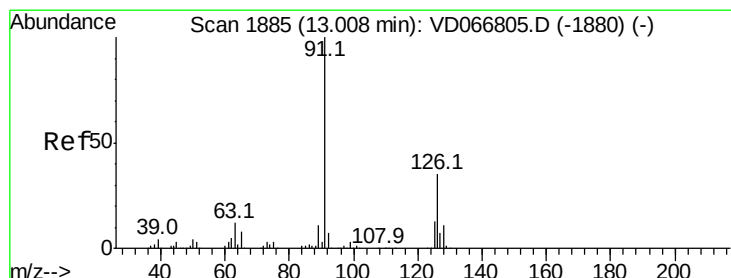
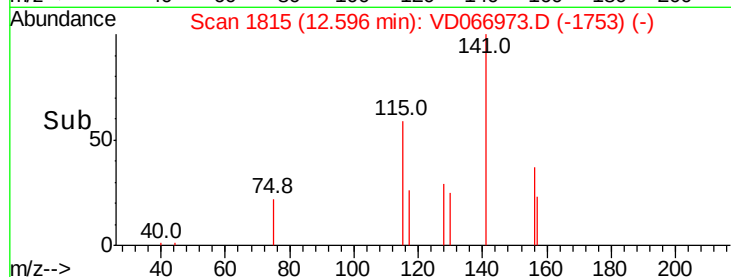
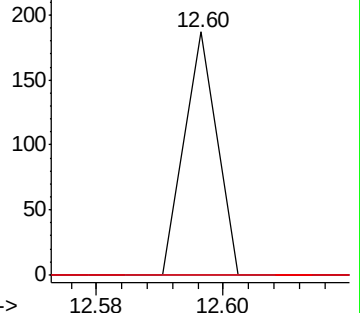
89 0.0 38.1 57.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 3.047 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066973.D

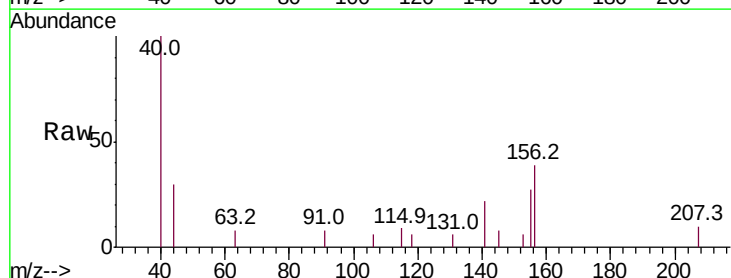
Acq: 30 Sep 2020 14:58

Tgt Ion: 91 Resp: 129

Ion Ratio Lower Upper

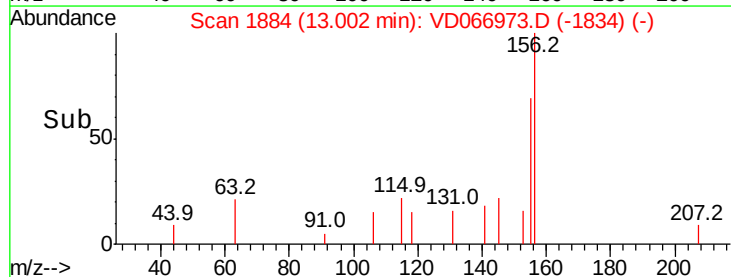
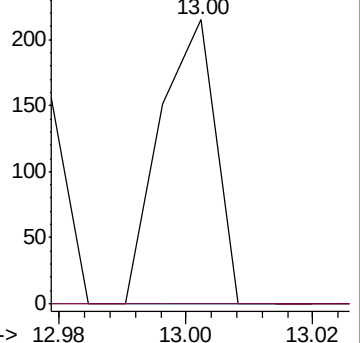
91 100

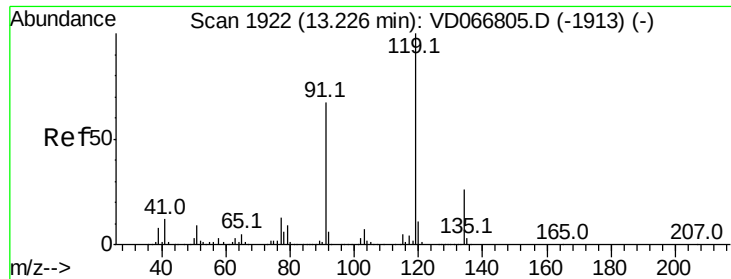
126 0.0 17.1 51.2#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 3.476 ug/l

RT: 13.18 min Scan# 1914

Delta R.T. -0.05 min

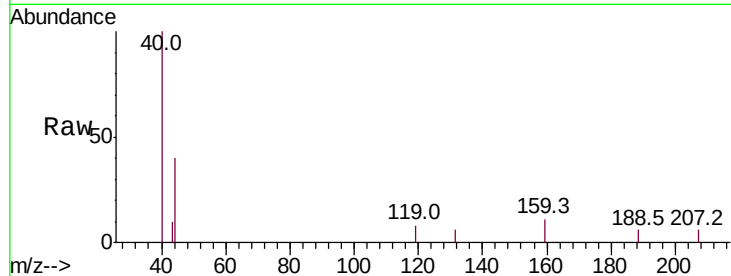
Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

Tot Ion:119 Resp: 142

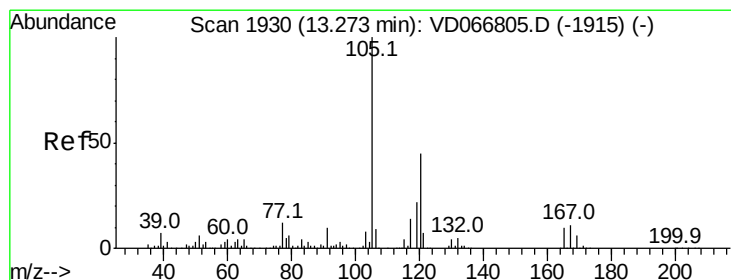
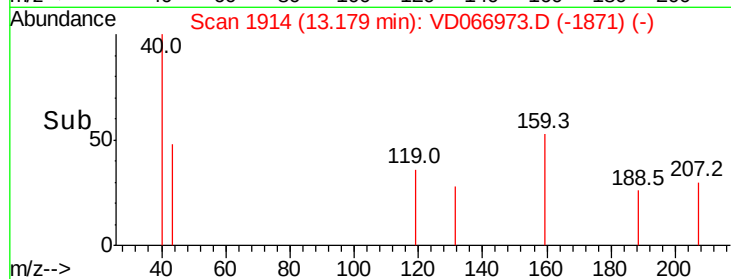
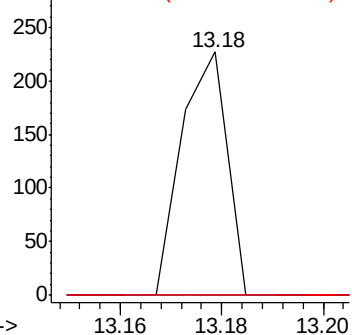
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 119 | 100   |       |        |
| 91  | 0.0   | 33.6  | 100.8# |
| 134 | 0.0   | 13.5  | 40.4#  |



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.023 ug/l

RT: 13.28 min Scan# 1931

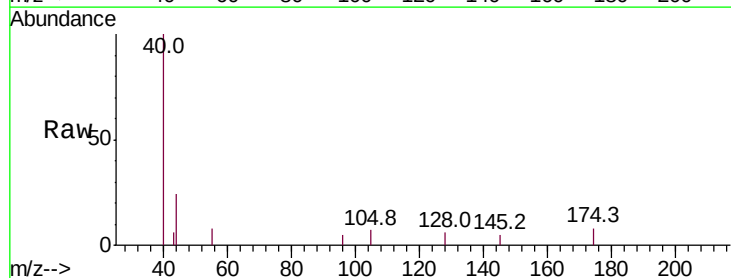
Delta R.T. 0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

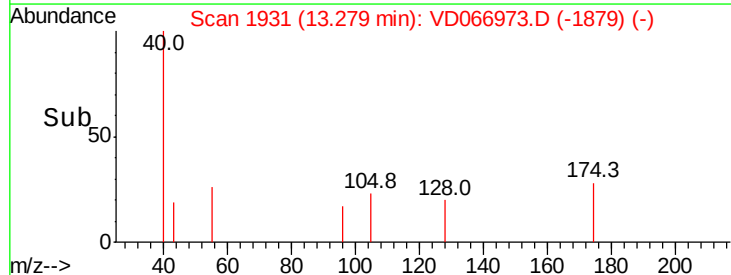
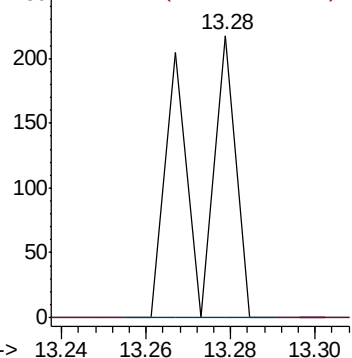
Tgt Ion:105 Resp: 149

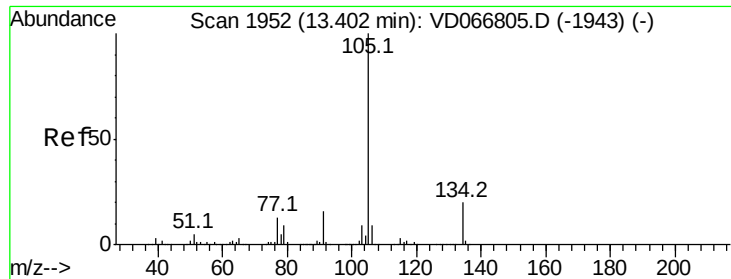
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 0.0   | 22.3  | 66.9# |



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.294 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

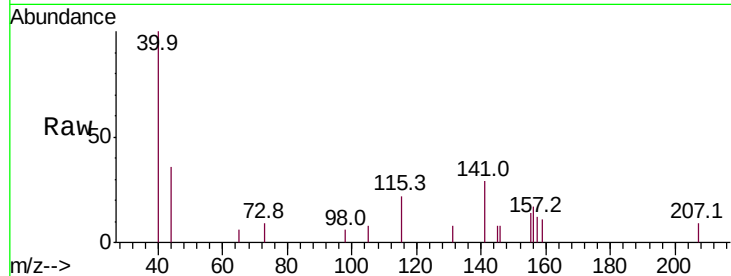
B-7(12-14)

Tot Ion:105 Resp: 76

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250

200

150

100

50

0

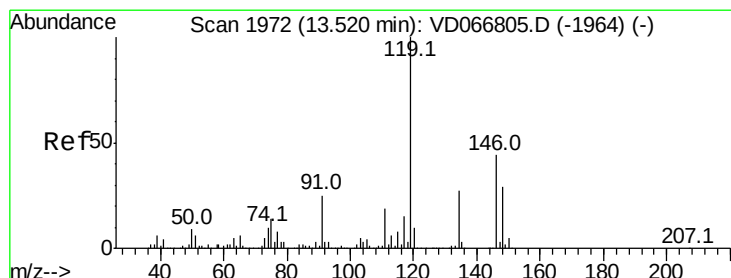
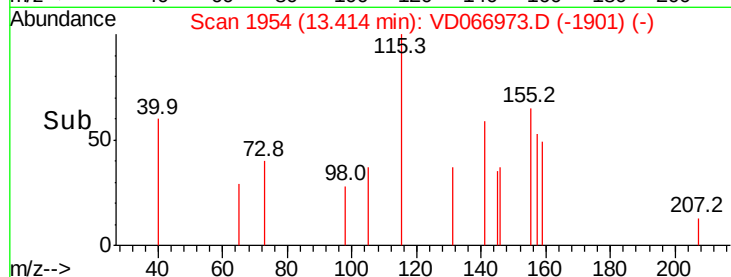
13.40

13.41

13.42

13.43

Time-->



#86

p-Isopropyltoluene

Concen: 1.058 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

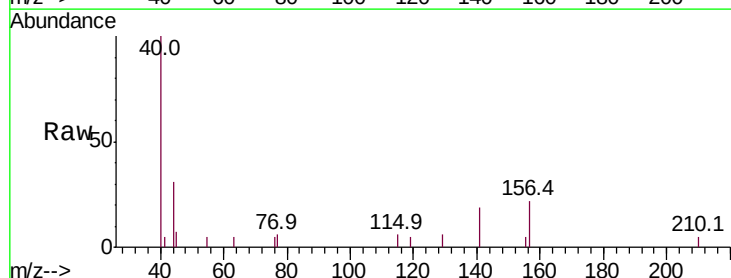
Tgt Ion:119 Resp: 56

Ion Ratio Lower Upper

119 100

134 0.0 13.0 38.9#

91 217.9 12.0 36.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250

200

150

100

50

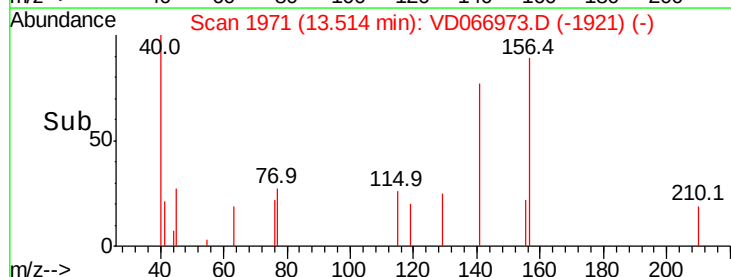
0

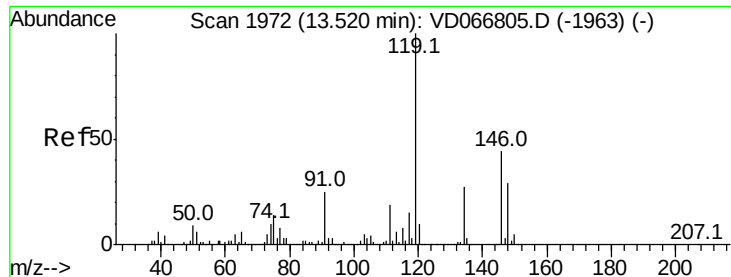
13.50

13.51

13.52

Time-->





#87

1,3-Dichlorobenzene

Concen: 5.800 ug/l

RT: 13.47 min Scan# 1963

Delta R.T. -0.05 min

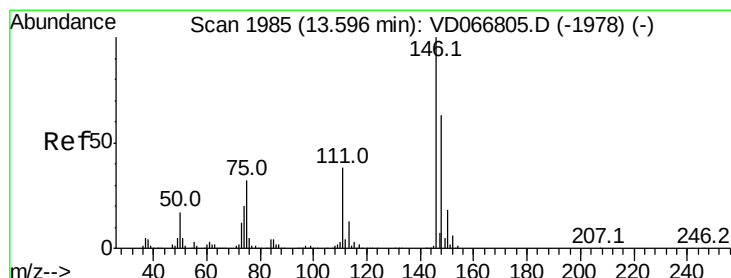
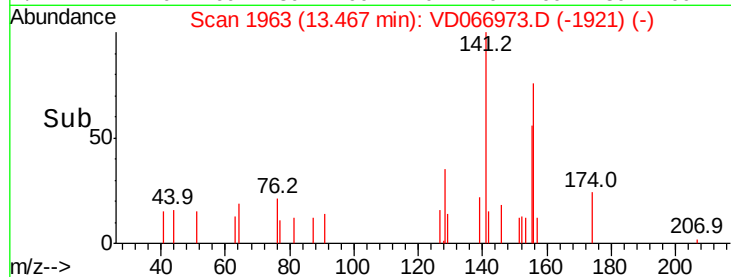
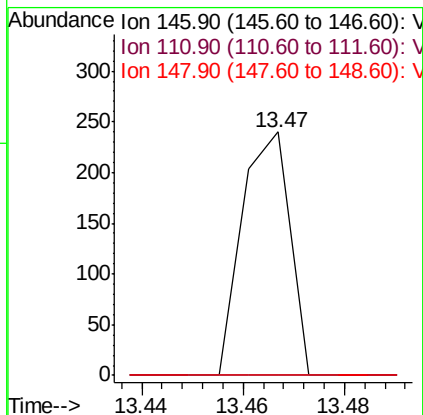
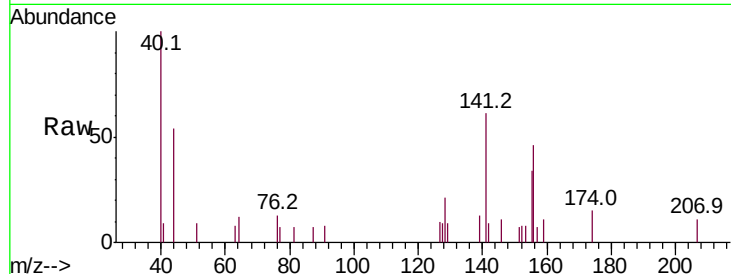
Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

Tot Ion:146 Resp: 157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 0.0   | 20.3  | 60.9# |
| 148 | 0.0   | 31.9  | 95.5# |



#88

1,4-Dichlorobenzene

Concen: 2.492 ug/l

RT: 13.58 min Scan# 1982

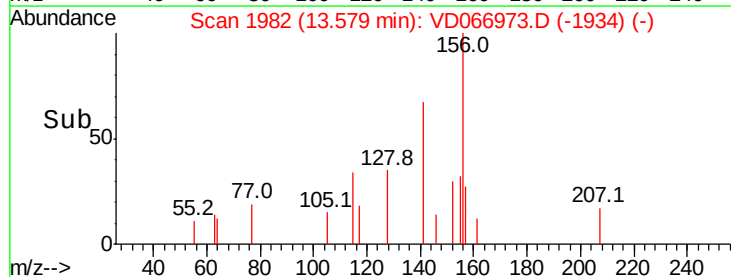
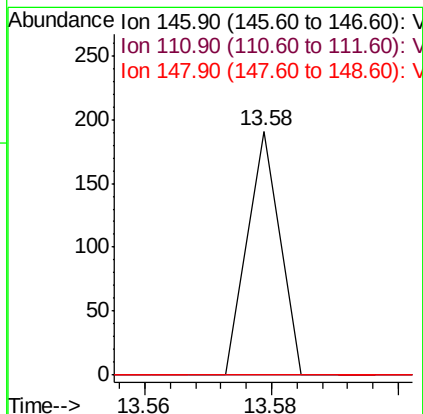
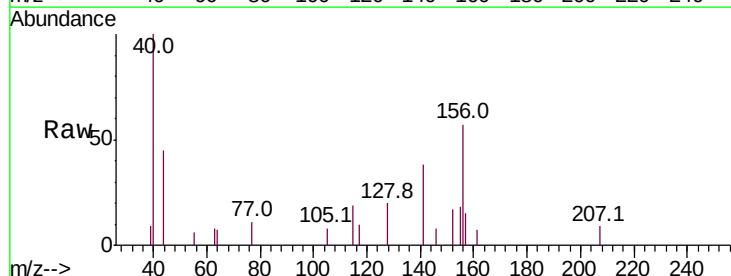
Delta R.T. -0.02 min

Lab File: VD066973.D

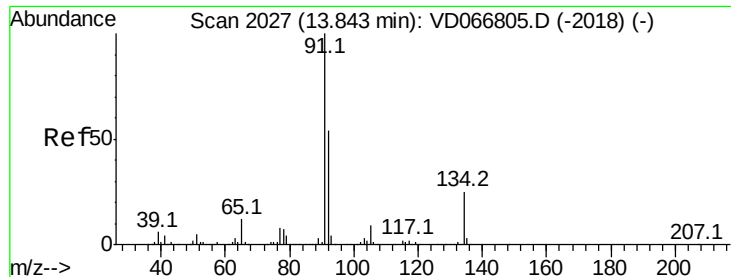
Acq: 30 Sep 2020 14:58

Tgt Ion:146 Resp: 67

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 0.0   | 20.2  | 60.5# |
| 148 | 0.0   | 31.6  | 94.7# |



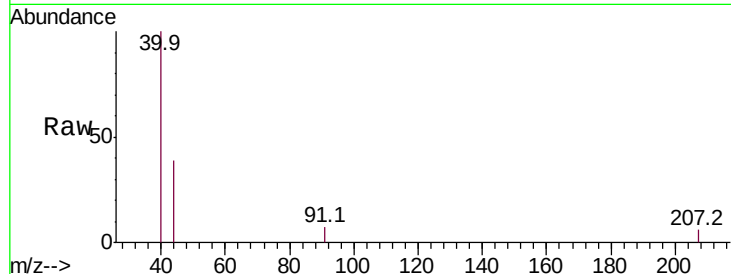




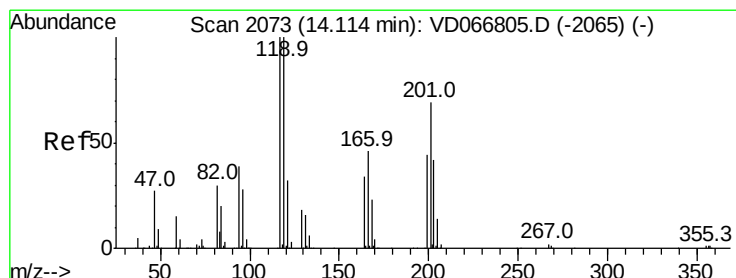
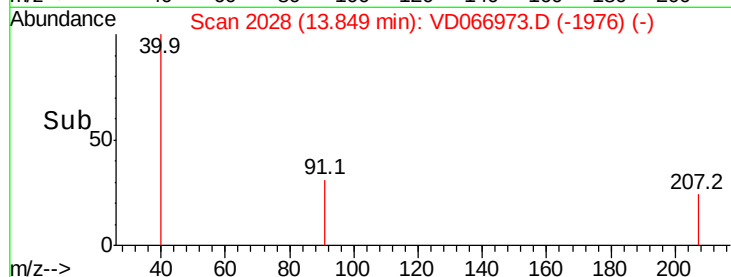
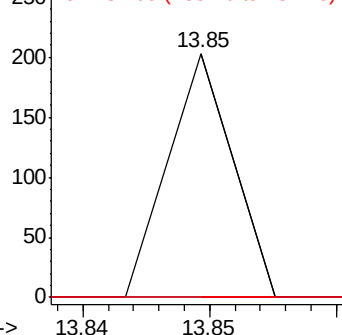
#89  
n-Butylbenzene  
Concen: 1.431 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-7(12-14)

Tot Ion: 91 Resp: 72  
Ion Ratio Lower Upper  
91 100  
92 0.0 26.7 80.0#  
134 0.0 13.1 39.1#

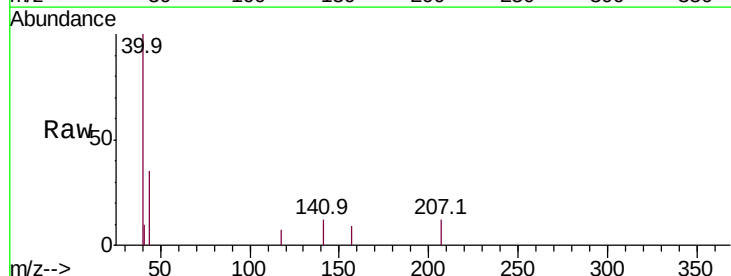


Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 92.00 (91.70 to 92.70): VDC  
Ion 134.00 (133.70 to 134.70): V

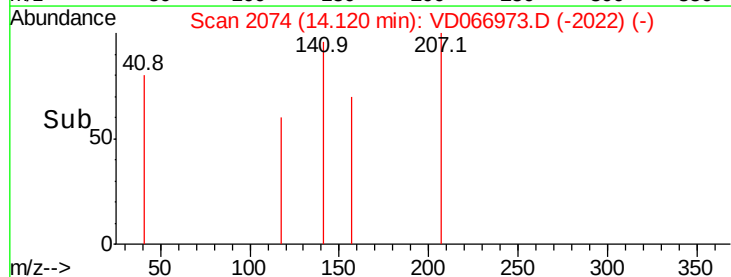
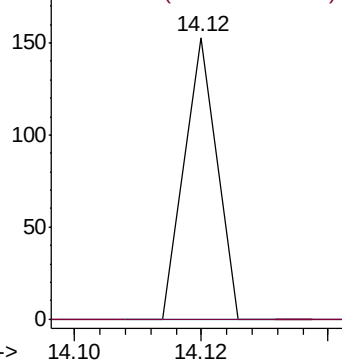


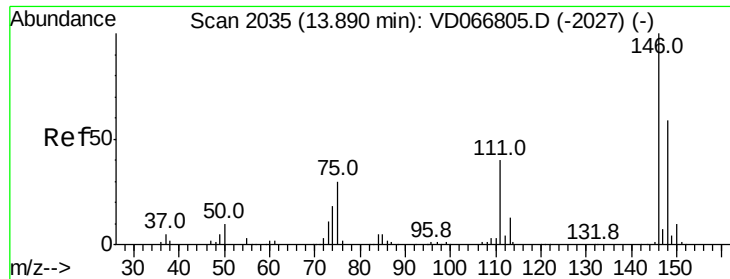
#90  
Hexachloroethane  
Concen: 5.023 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD066973.D  
Acq: 30 Sep 2020 14:58

Tgt Ion: 117 Resp: 54  
Ion Ratio Lower Upper  
117 100  
201 0.0 33.7 101.0#



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





#91

1,2-Dichlorobenzene

Concen: 5.181 ug/l

RT: 13.66 min Scan# 1995

Delta R.T. -0.24 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

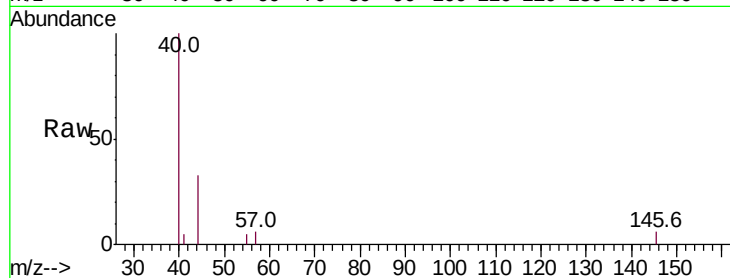
Tot Ion:146 Resp: 120

Ion Ratio Lower Upper

146 100

111 0.0 20.9 62.7#

148 0.0 31.8 95.3#

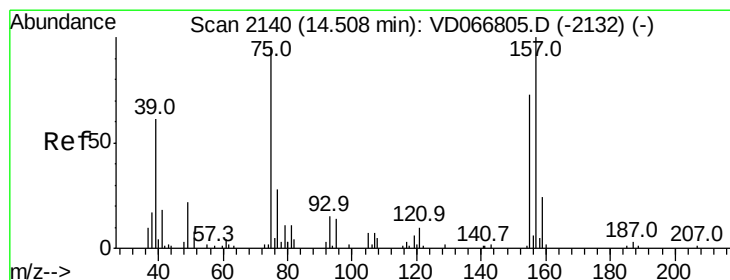
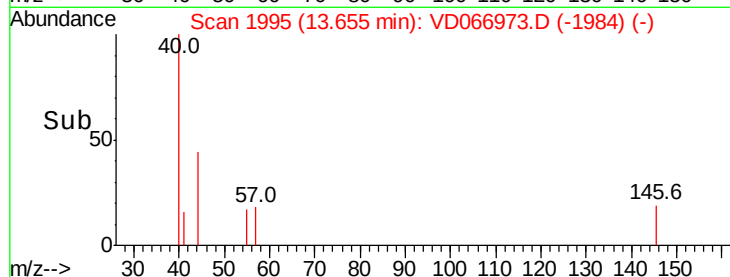
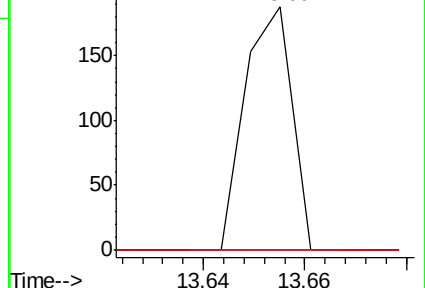


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66



#92

1,2-Dibromo-3-Chloropropane

Concen: 33.205 ug/l

RT: 14.63 min Scan# 2160

Delta R.T. 0.12 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

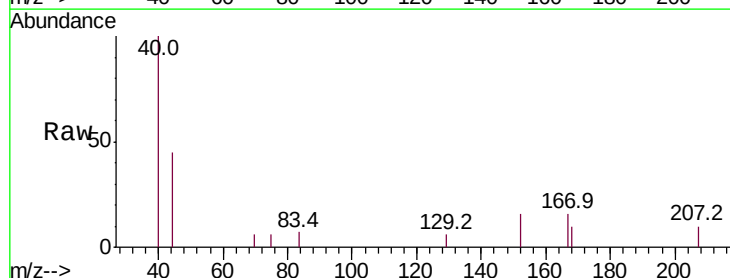
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

157 0.0 51.3 153.9#

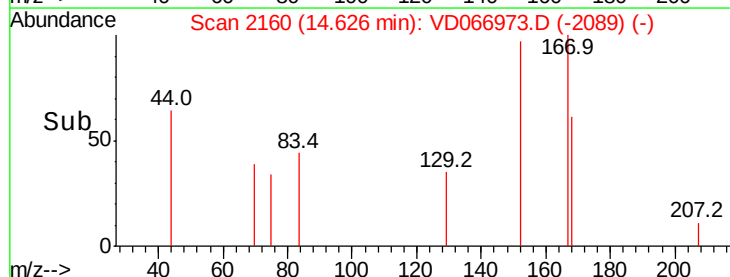
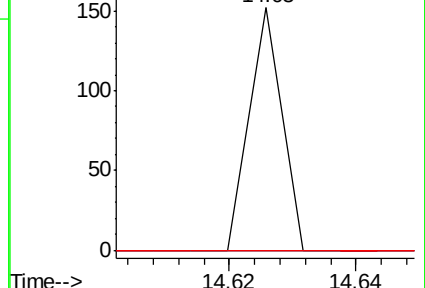


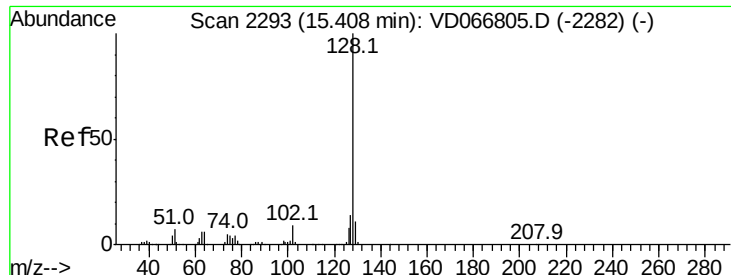
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.63





#95

Naphthalene

Concen: 73.851 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066973.D

Acq: 30 Sep 2020 14:58

Instrument :

MSVOA\_D

ClientSampleId :

B-7(12-14)

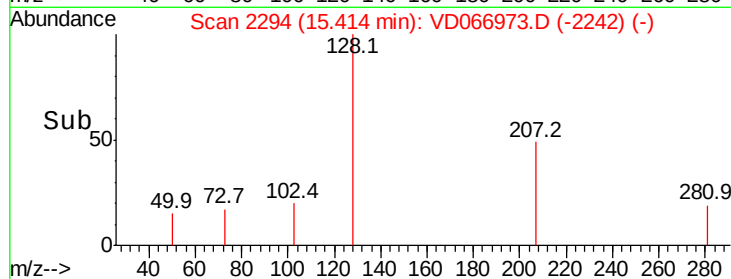
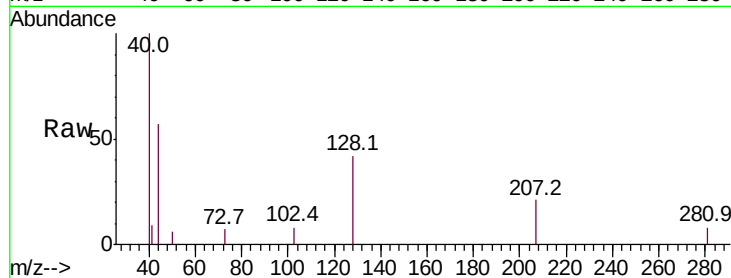
Tot Ion:128 Resp: 1828

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.9 13.3#



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

