

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\  
 Data File : VD065173.D  
 Acq On : 13 Feb 2020 11:49  
 Operator : VA/SY  
 Sample : VD0213SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 14 07:17:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 05 15:53:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 467919   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 700030   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 636172   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 316239   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 206926   | 52.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.06% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 208192   | 53.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.60% |      |
| 50) Toluene-d8            | 10.34  | 98  | 800678   | 51.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.00% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 251980   | 51.15 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.30% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 75466  | 19.381  | ug/l   | 95     |
| 3) Chloromethane              | 2.21 | 50  | 97752  | 21.326  | ug/l   | 92     |
| 4) Vinyl Chloride             | 2.35 | 62  | 98482  | 20.316  | ug/l   | 100    |
| 5) Bromomethane               | 2.76 | 94  | 58655  | 18.661  | ug/l   | 91     |
| 6) Chloroethane               | 2.92 | 64  | 62251  | 20.702  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 141824 | 20.104  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 40468  | 19.982  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 89129  | 20.667  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 83934  | 17.051  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.25 | 59  | 22962  | 94.500  | ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 80783  | 19.558  | ug/l   | 96     |
| 13) Acrolein                  | 3.93 | 56  | 27427  | 91.771  | ug/l   | 99     |
| 14) Allyl chloride            | 4.71 | 41  | 134357 | 19.572  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.44 | 53  | 96436  | 108.916 | ug/l   | 98     |
| 16) Acetone                   | 4.17 | 43  | 99272  | 99.841  | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.40 | 76  | 262939 | 19.827  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.72 | 43  | 51913  | 24.990  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 174585 | 19.114  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.96 | 84  | 102167 | 21.055  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 92960  | 19.893  | ug/l   | 91     |
| 22) Diisopropyl ether         | 6.37 | 45  | 265735 | 20.523  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.31 | 43  | 722084 | 100.051 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 162058 | 20.677  | ug/l   | 98     |
| 25) 2-Butanone                | 7.22 | 43  | 123070 | 103.765 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 141363 | 20.123  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 99501  | 20.042  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.54 | 49  | 59743  | 20.109  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 76075  | 106.065 | ug/l   | 96     |
| 30) Chloroform                | 7.71 | 83  | 163333 | 20.930  | ug/l   | 96     |
| 31) Cyclohexane               | 7.99 | 56  | 152924 | 19.330  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 146743 | 20.186  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 126610 | 19.451  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 56924  | 21.406  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 131667 | 19.805  | ug/l   | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\  
 Data File : VD065173.D  
 Acq On : 13 Feb 2020 11:49  
 Operator : VA/SY  
 Sample : VD0213SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 14 07:17:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 05 15:53:00 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 148196   | 18.445  | ug/l   | 97       |
| 40) Benzene                    | 8.36  | 78   | 365733   | 20.347  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.53  | 41   | 30732    | 20.977  | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 103918   | 20.290  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 101249   | 19.904  | ug/l   | 99       |
| 44) Trichloroethene            | 9.12  | 130  | 103432   | 20.047  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 91168    | 21.154  | ug/l   | 100      |
| 46) Dibromomethane             | 9.48  | 93   | 48701    | 21.505  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.67  | 83   | 126137   | 21.139  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.46  | 41   | 48635    | 19.869  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 10911    | 406.775 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.24 | 43   | 262841   | 104.973 | ug/l   | 99       |
| 52) Toluene                    | 10.41 | 92   | 232998   | 20.309  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 116224   | 20.005  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 139400   | 20.062  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 65094    | 20.955  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 78123    | 19.877  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 112207   | 20.543  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 130282   | 90.465  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.99 | 43   | 187552   | 105.749 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 87354    | 21.711  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 63769    | 21.010  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.88 | 164  | 88562    | 19.374  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.68 | 112  | 249477   | 20.275  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 90992    | 20.036  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 432355   | 19.340  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 335162   | 39.282  | ug/l   | 100      |
| 69) o-Xylene                   | 12.18 | 106  | 147313   | 19.173  | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 264200   | 19.784  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 51011    | 20.869  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 401768   | 18.510  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 88512    | 18.761  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 75286    | 22.039  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 94674    | 39.542  | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 100816   | 19.278  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 491650   | 19.342  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 268125   | 18.924  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 336771   | 18.965  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 24239    | 20.247  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 288051   | 19.357  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 277478   | 18.112  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 335664   | 19.040  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 399044   | 19.071  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 366179   | 18.836  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 191436   | 19.551  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 188341   | 19.326  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.86 | 91   | 340379   | 18.969  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.13 | 117  | 73138    | 19.868  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 163525   | 19.498  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 11253    | 20.179  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\  
Data File : VD065173.D  
Acq On : 13 Feb 2020 11:49  
Operator : VA/SY  
Sample : VD0213SBSD01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

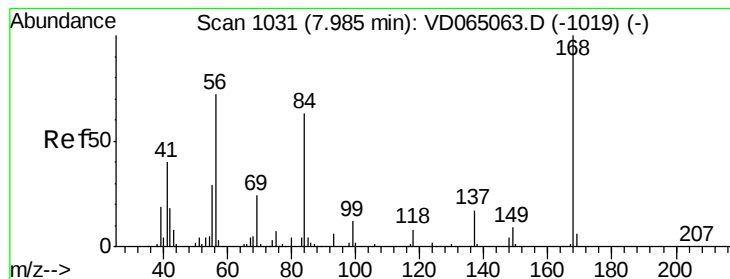
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Feb 14 07:17:43 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 05 15:53:00 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 109926   | 18.339 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 68853    | 18.681 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 177956   | 17.862 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 98843    | 19.278 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

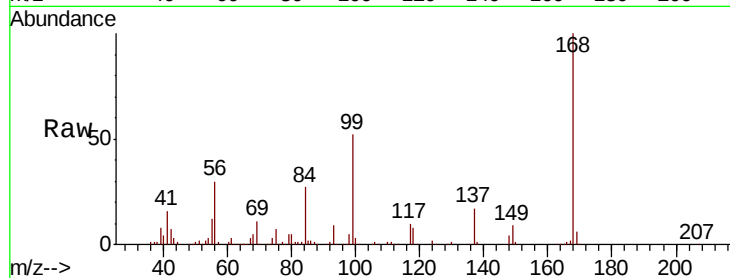
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:168 Resp: 467919

Ion Ratio Lower Upper

168 100

99 52.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

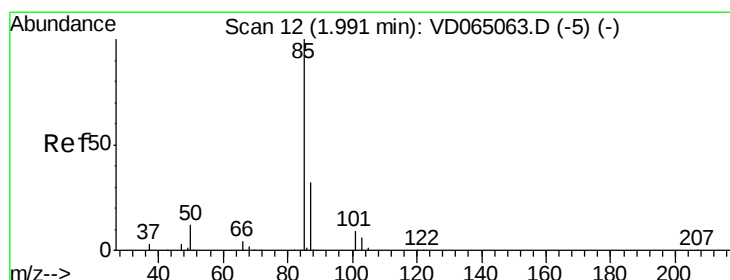
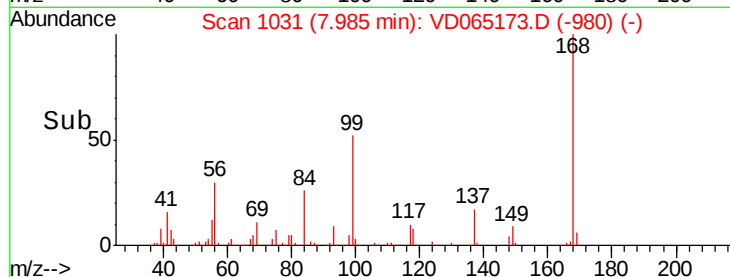
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.381 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065173.D

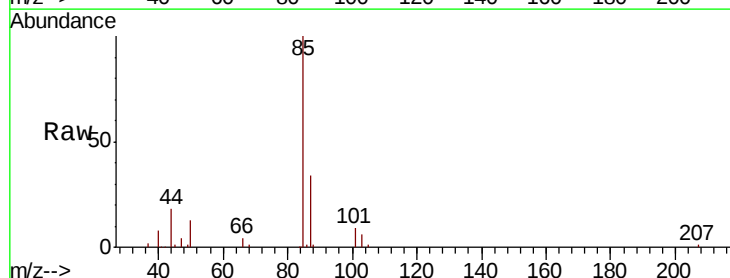
Acq: 13 Feb 2020 11:49

Tgt Ion: 85 Resp: 75466

Ion Ratio Lower Upper

85 100

87 34.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

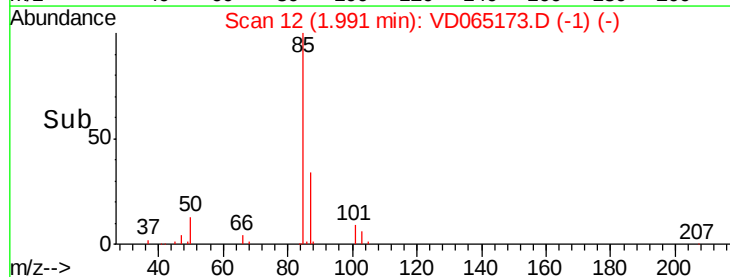
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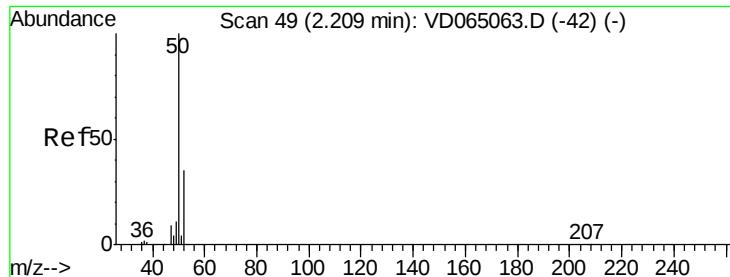
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.326 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

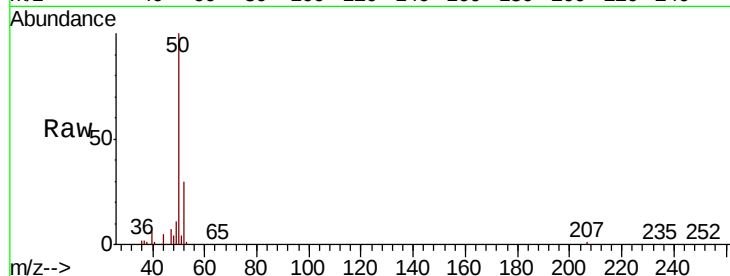
ClientSampleId :

Tot Ion: 50 Resp: 97752

Ion Ratio Lower Upper

50 100

52 30.1 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

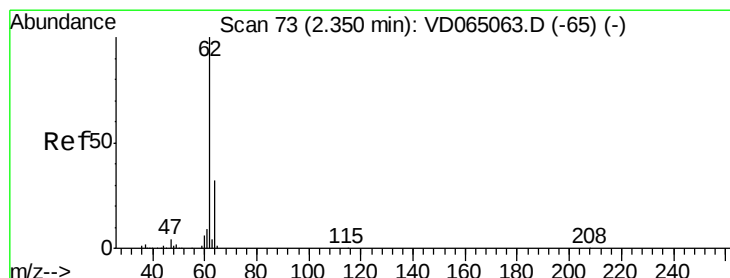
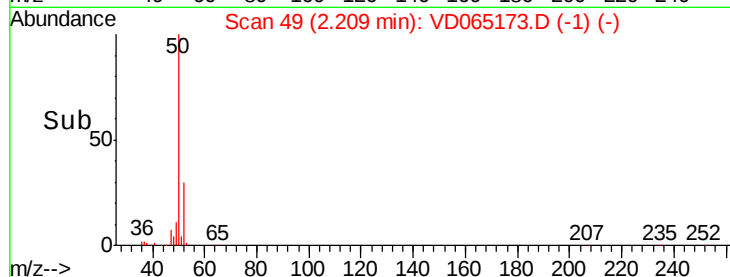
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.316 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065173.D

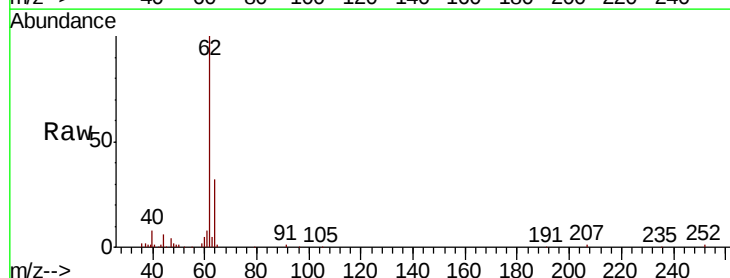
Acq: 13 Feb 2020 11:49

Tgt Ion: 62 Resp: 98482

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

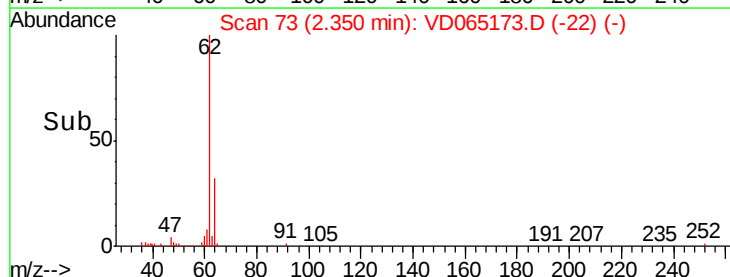
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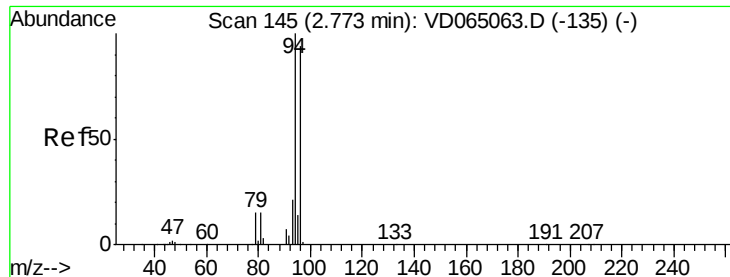
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.661 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

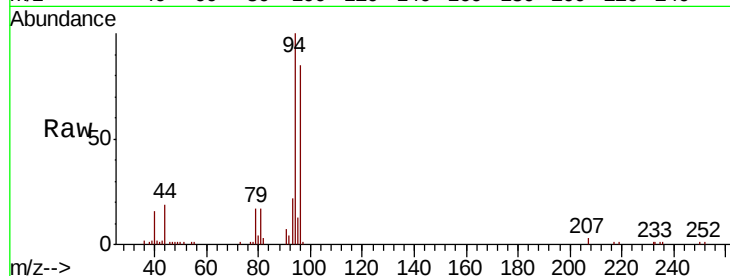
ClientSampled :

Tot Ion: 94 Resp: 58655

Ion Ratio Lower Upper

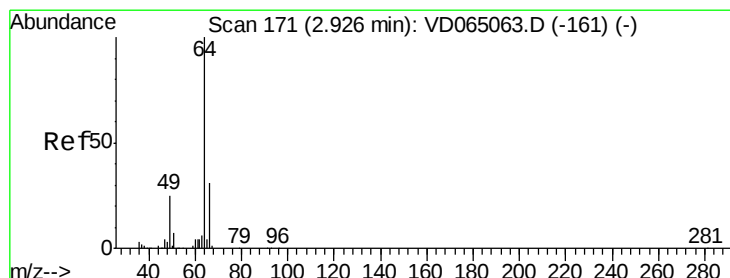
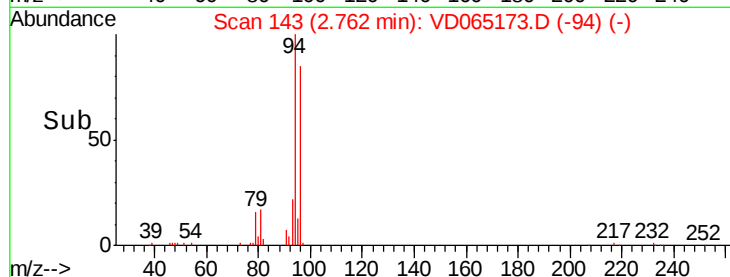
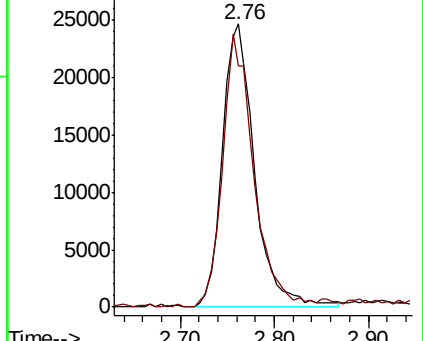
94 100

96 85.3 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.702 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065173.D

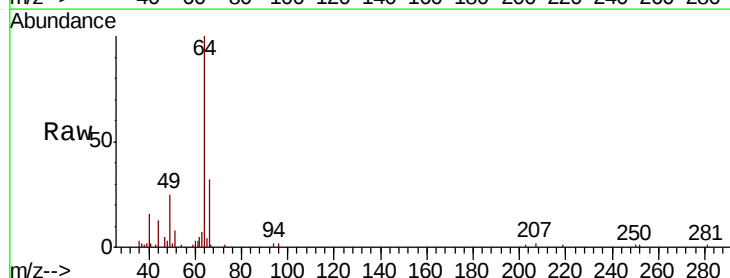
Acq: 13 Feb 2020 11:49

Tgt Ion: 64 Resp: 62251

Ion Ratio Lower Upper

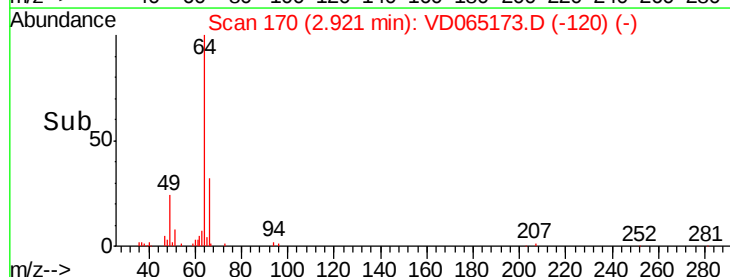
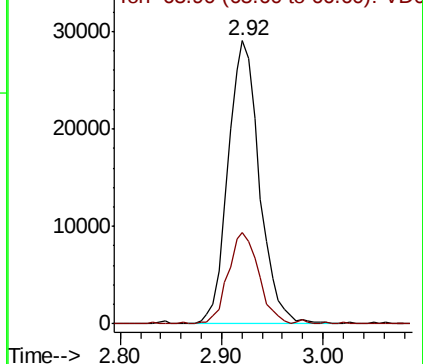
64 100

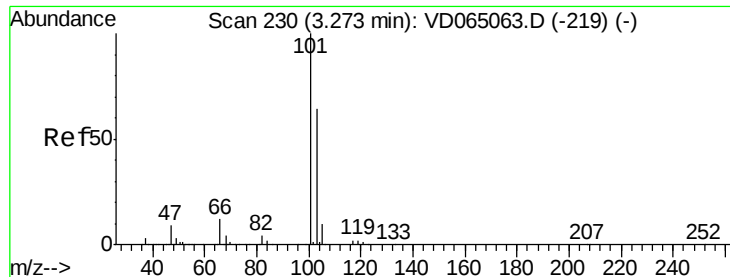
66 32.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



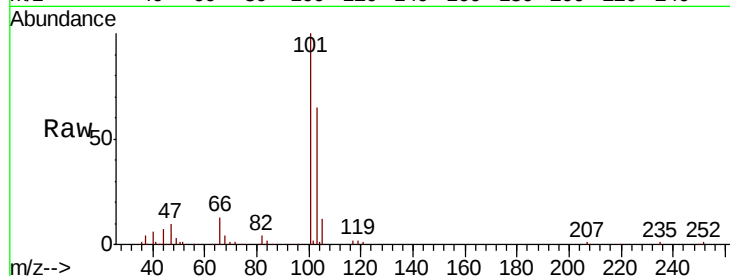


#7

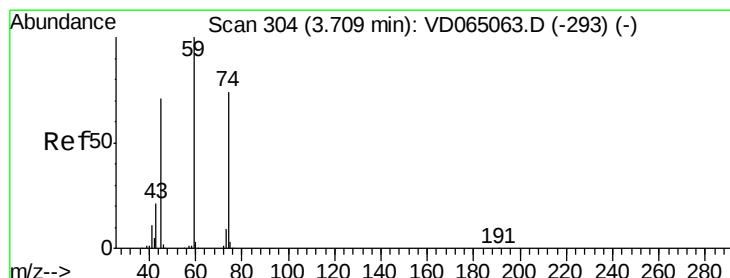
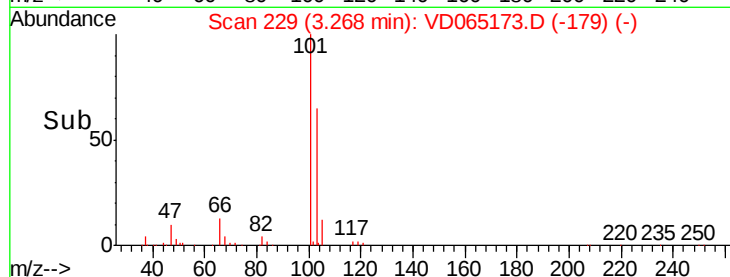
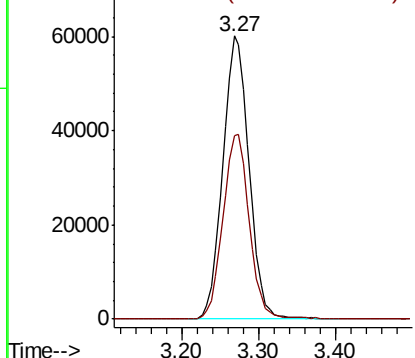
Trichlorofluoromethane  
Concen: 20.104 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:101 Resp: 141824  
Ion Ratio Lower Upper  
101 100  
103 64.7 51.0 76.6



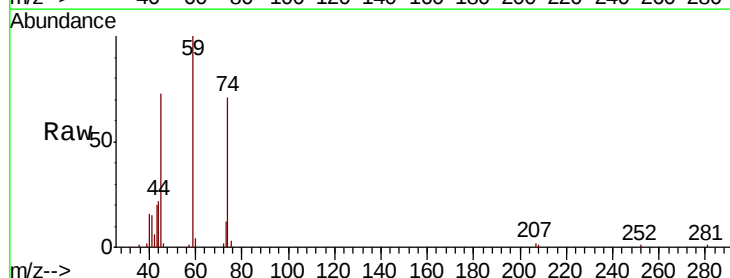
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



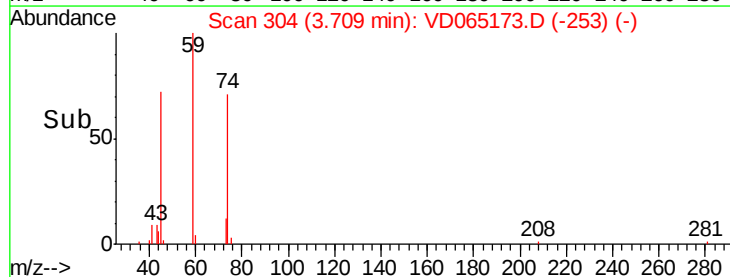
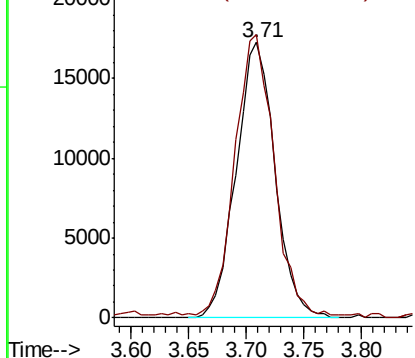
#8

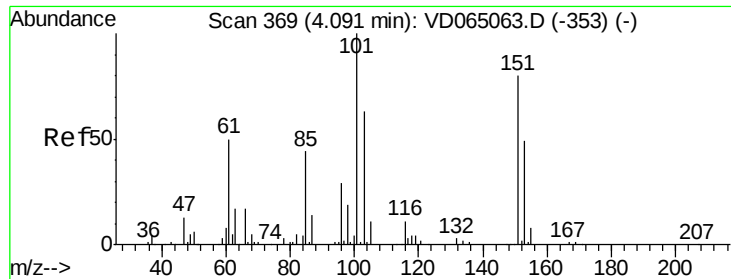
Diethyl Ether  
Concen: 19.982 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 74 Resp: 40468  
Ion Ratio Lower Upper  
74 100  
45 101.1 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.667 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

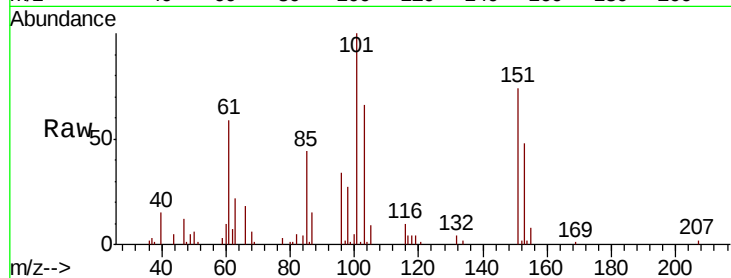
Tot Ion:101 Resp: 89129

Ion Ratio Lower Upper

101 100

85 43.8 34.0 51.0

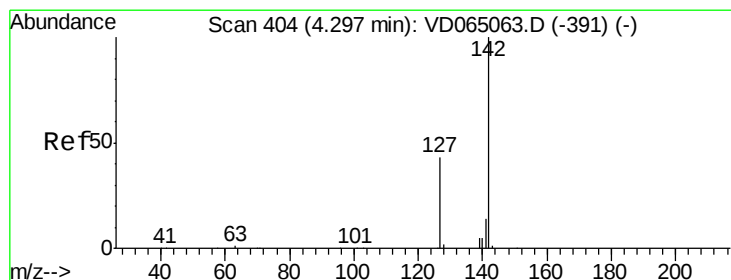
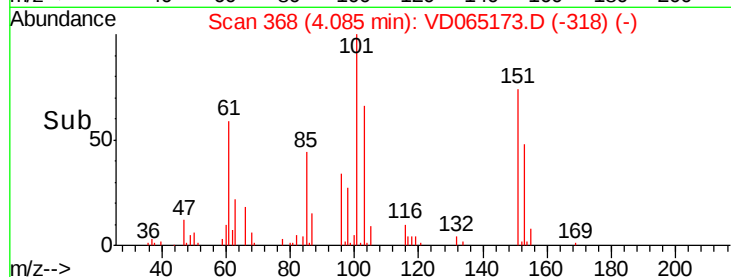
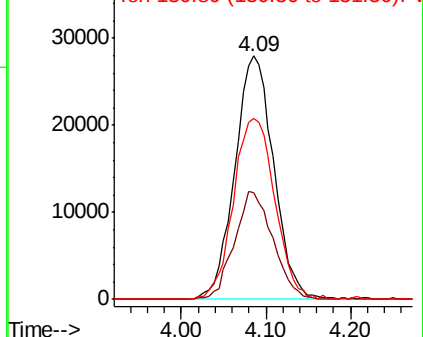
151 79.0 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.051 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

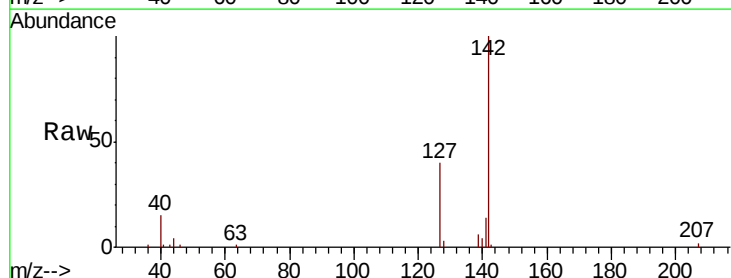
Tgt Ion:142 Resp: 83934

Ion Ratio Lower Upper

142 100

127 42.5 34.0 51.0

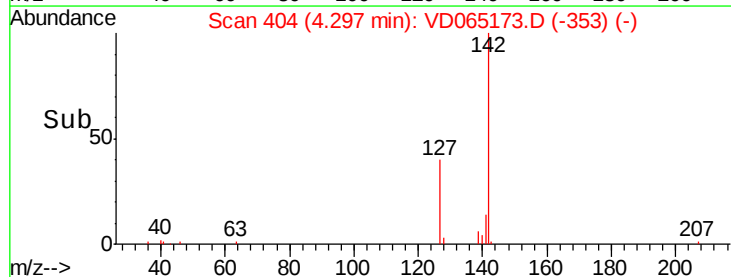
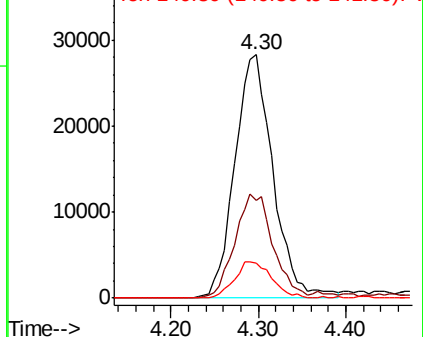
141 14.4 11.6 17.4

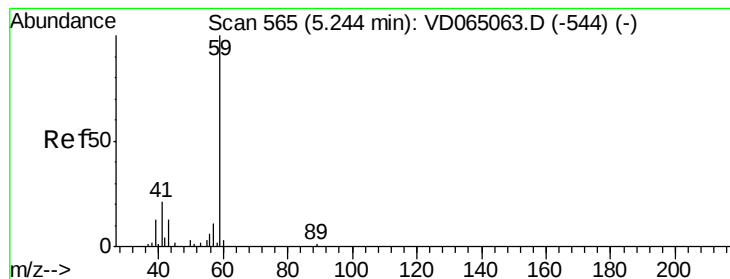


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



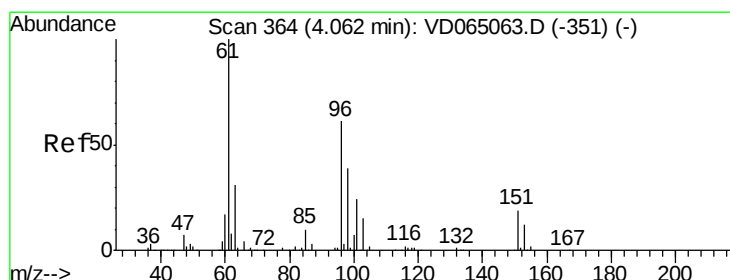
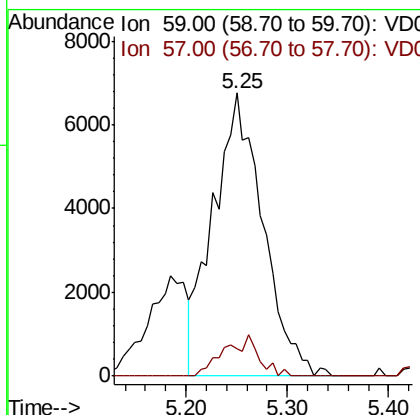
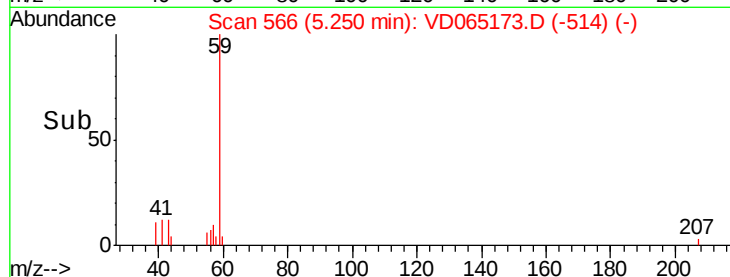
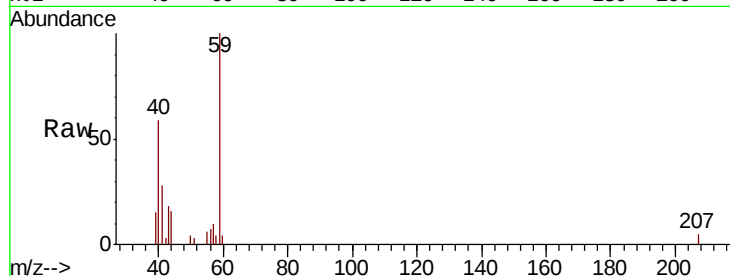


#11

Tert butyl alcohol  
 Concen: 94.500 ug/l  
 RT: 5.25 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :

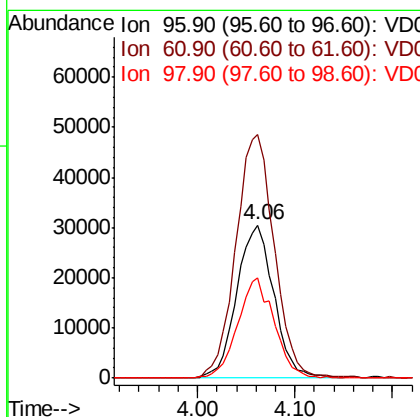
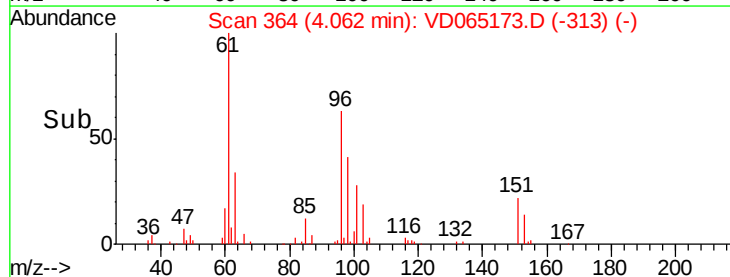
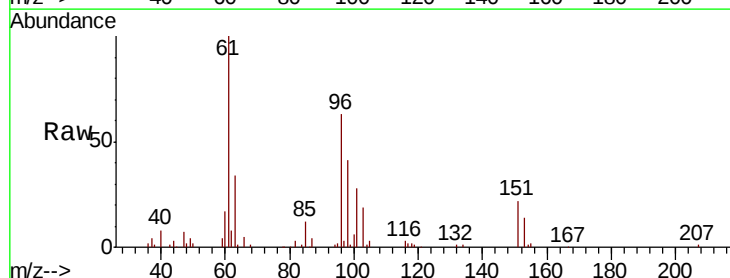
Tot Ion: 59 Resp: 22962  
 Ion Ratio Lower Upper  
 59 100  
 57 6.0 8.8 13.2#



#12

1,1-Dichloroethene  
 Concen: 19.558 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Tgt Ion: 96 Resp: 80783  
 Ion Ratio Lower Upper  
 96 100  
 61 158.9 131.4 197.2  
 98 65.6 51.1 76.7





#13

Acrolein

Concen: 91.771 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

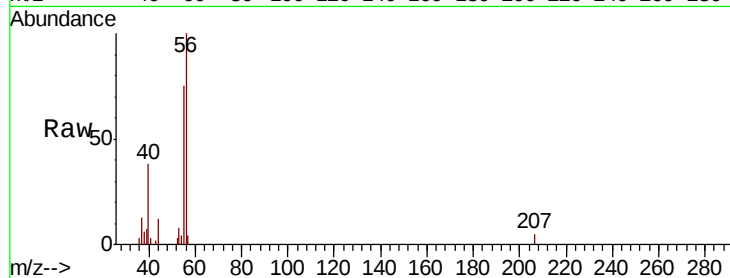
ClientSampled :

Tot Ion: 56 Resp: 27427

Ion Ratio Lower Upper

56 100

55 71.5 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

6000

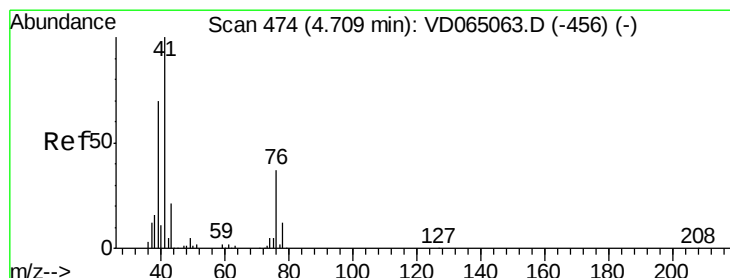
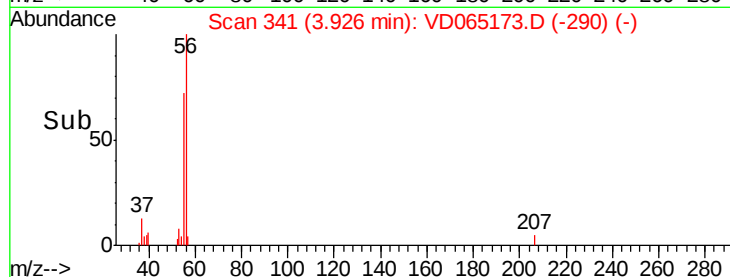
4000

2000

0

3.93

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.572 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

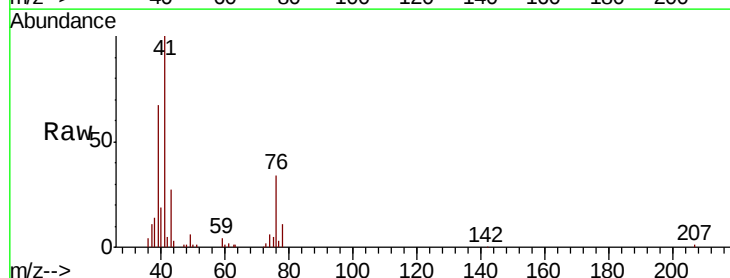
Tgt Ion: 41 Resp: 134357

Ion Ratio Lower Upper

41 100

39 68.3 57.1 85.7

76 35.3 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

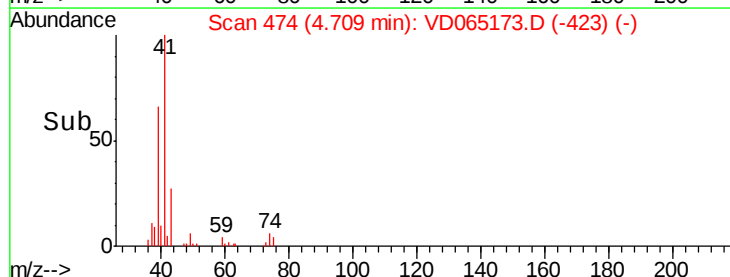
20000

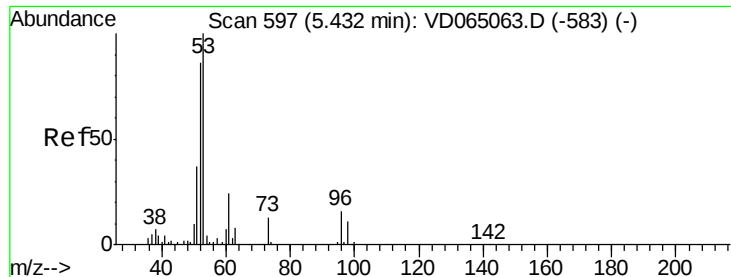
10000

0

4.71

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 108.916 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

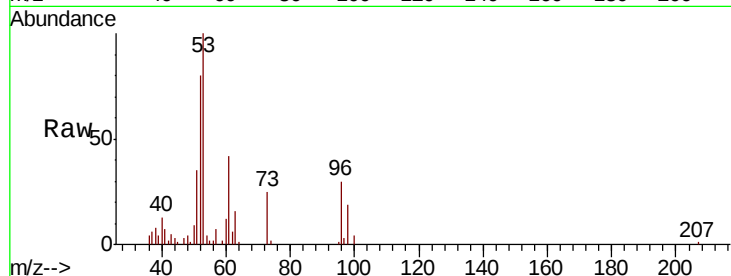
Tot Ion: 53 Resp: 96436

Ion Ratio Lower Upper

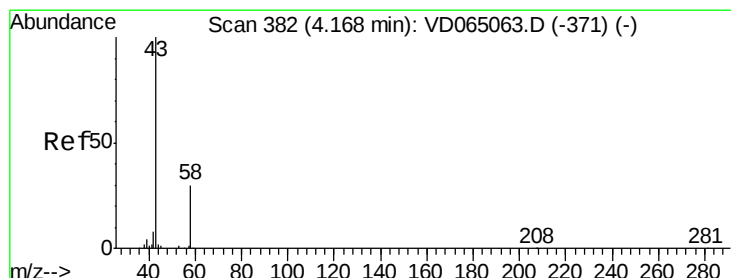
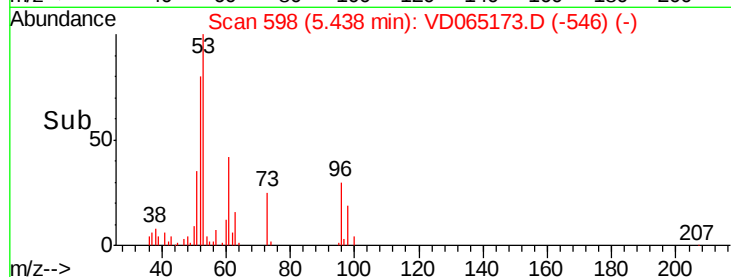
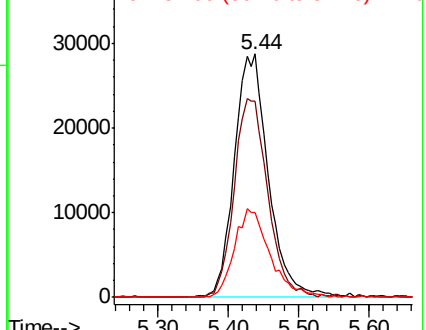
53 100

52 80.5 66.2 99.2

51 37.9 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.841 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065173.D

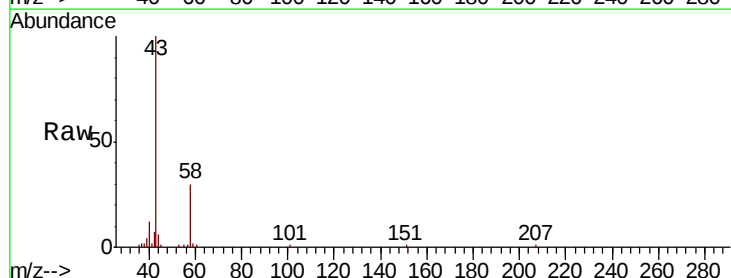
Acq: 13 Feb 2020 11:49

Tgt Ion: 43 Resp: 99272

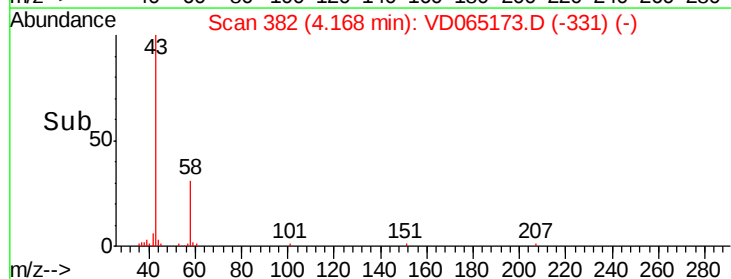
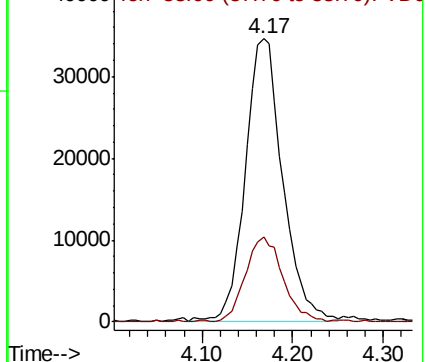
Ion Ratio Lower Upper

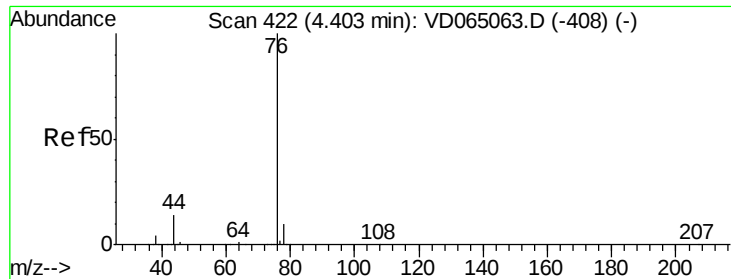
43 100

58 30.2 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC

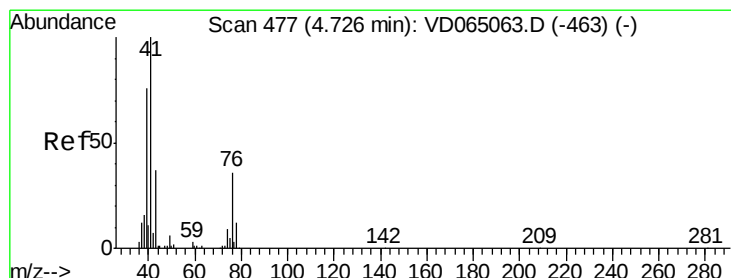
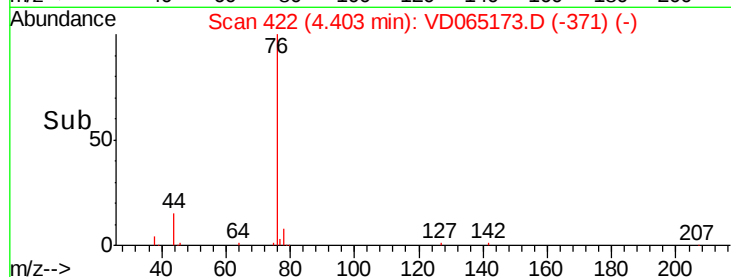
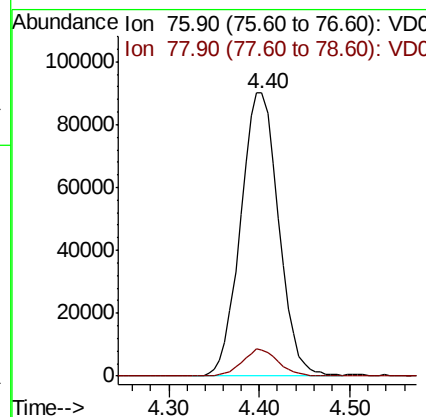
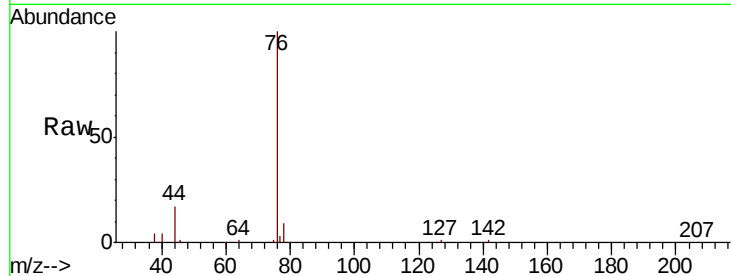




#17  
Carbon Disulfide  
Concen: 19.827 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

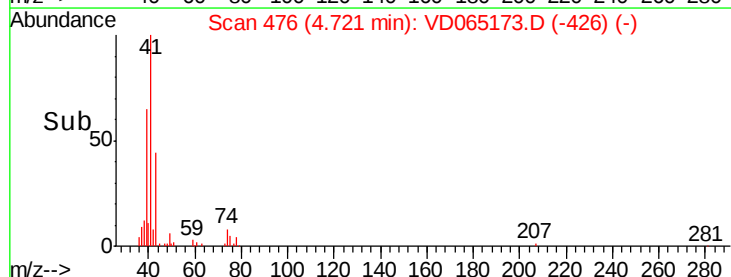
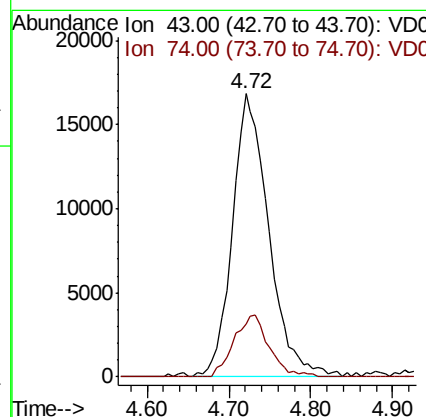
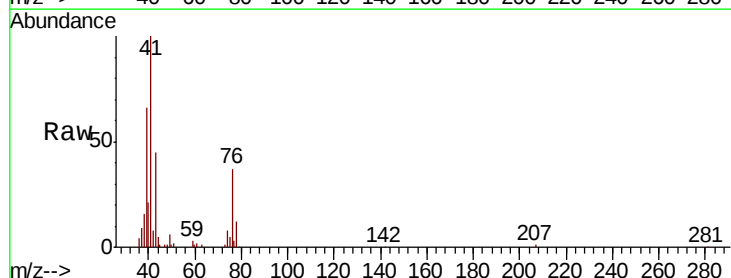
Instrument :  
MSVOA\_D  
ClientSampleId :

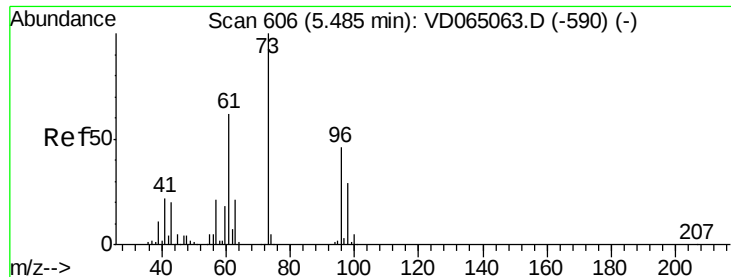
Tot Ion: 76 Resp: 262939  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.6 11.4



#18  
Methyl Acetate  
Concen: 24.990 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 43 Resp: 51913  
Ion Ratio Lower Upper  
43 100  
74 21.1 18.7 28.1



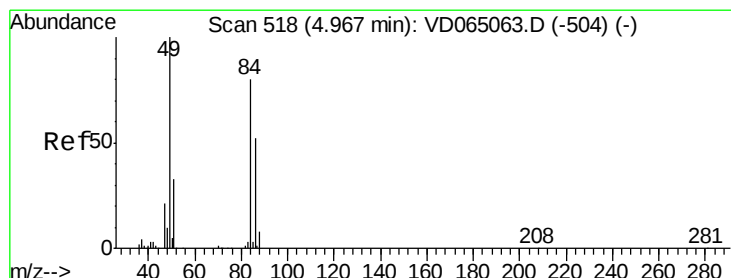
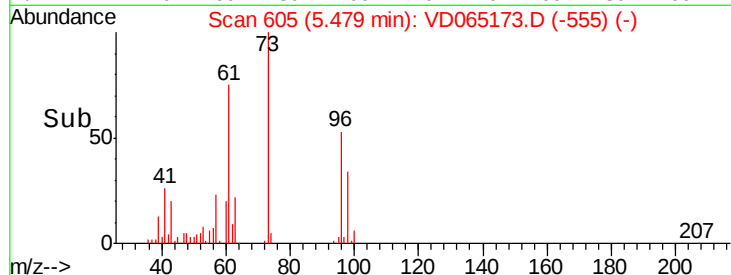
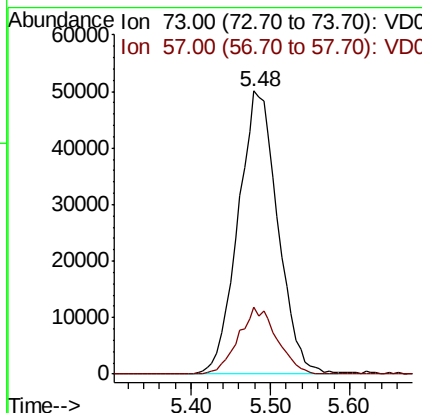
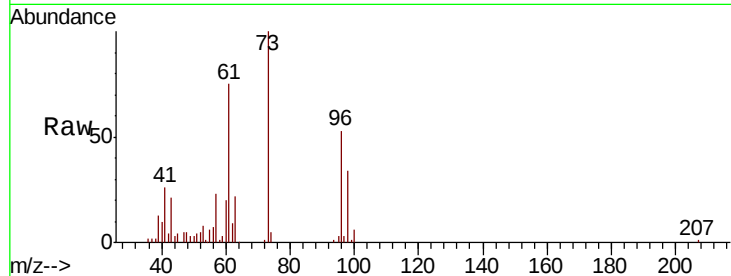


#19

Methyl tert-butyl Ether  
 Concen: 19.114 ug/l  
 RT: 5.48 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :

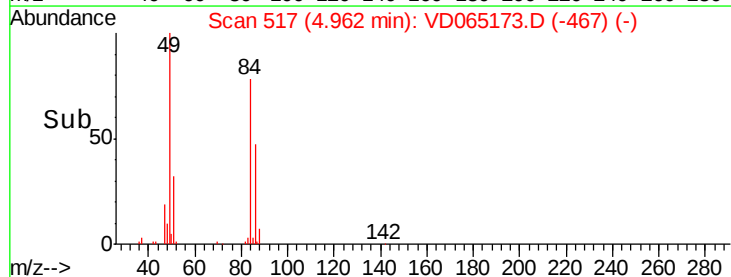
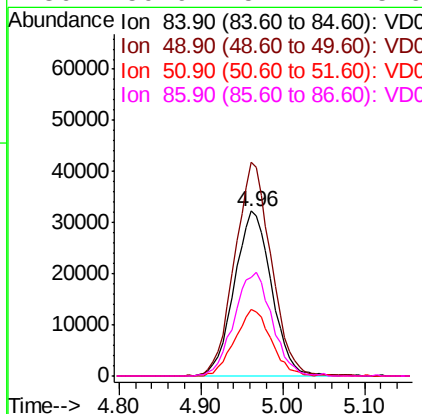
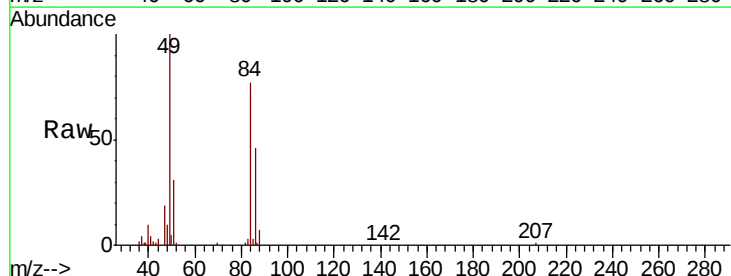
Tot Ion: 73 Resp: 174585  
 Ion Ratio Lower Upper  
 73 100  
 57 23.5 16.8 25.2

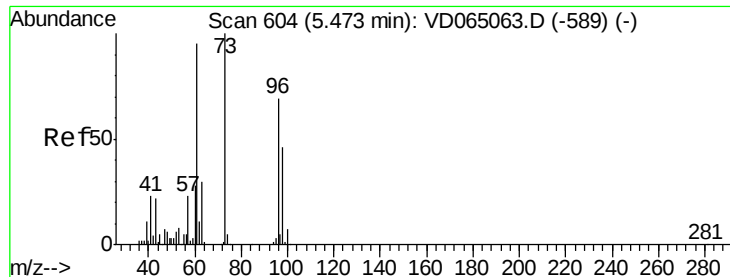


#20

Methylene Chloride  
 Concen: 21.055 ug/l  
 RT: 4.96 min Scan# 517  
 Delta R.T. -0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Tgt Ion: 84 Resp: 102167  
 Ion Ratio Lower Upper  
 84 100  
 49 129.0 100.4 150.6  
 51 40.8 32.7 49.1  
 86 59.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.893 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampled :

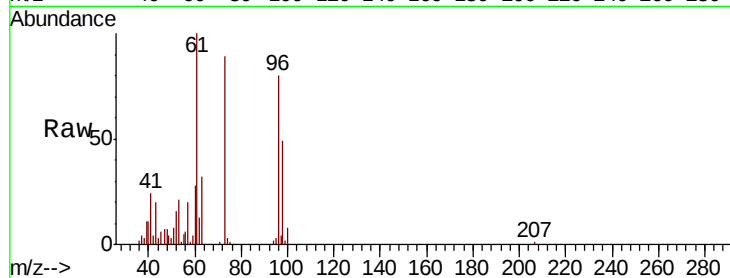
Tot Ion: 96 Resp: 92960

Ion Ratio Lower Upper

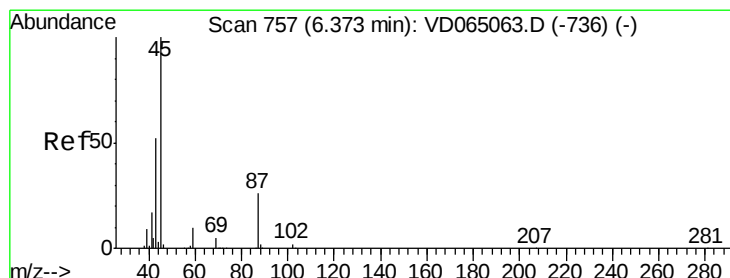
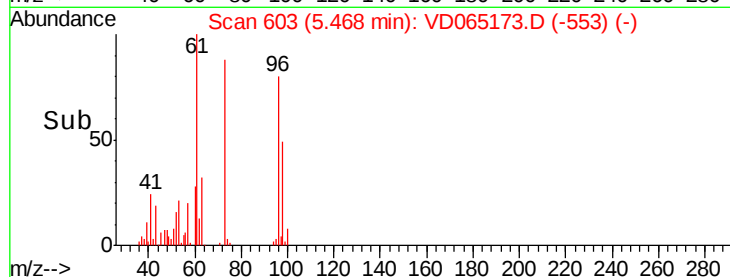
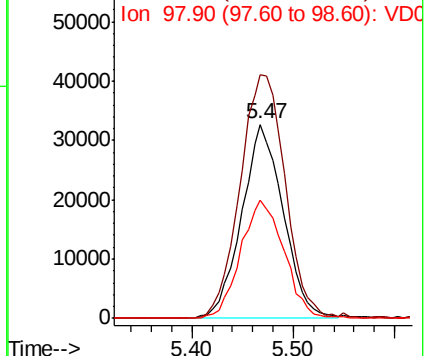
96 100

61 125.4 109.5 164.3

98 60.9 53.7 80.5



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



#22

Diisopropyl ether

Concen: 20.523 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Tgt Ion: 45 Resp: 265735

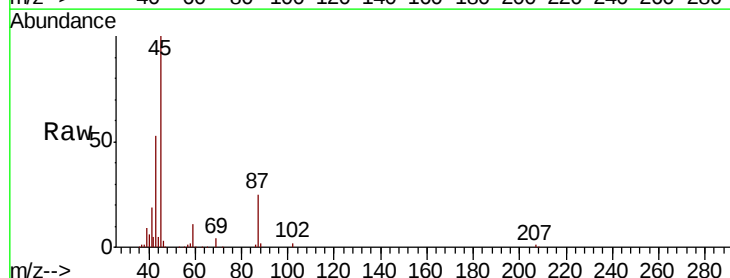
Ion Ratio Lower Upper

45 100

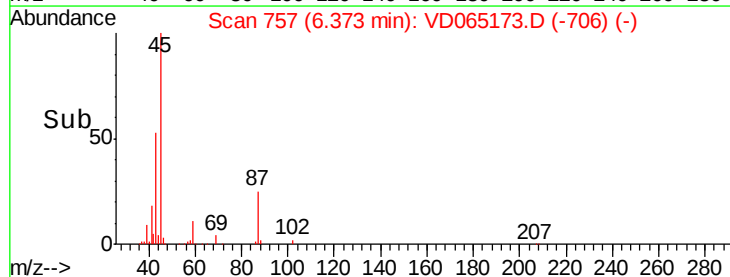
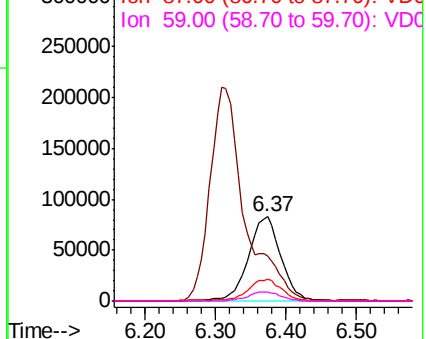
43 51.9 41.3 61.9

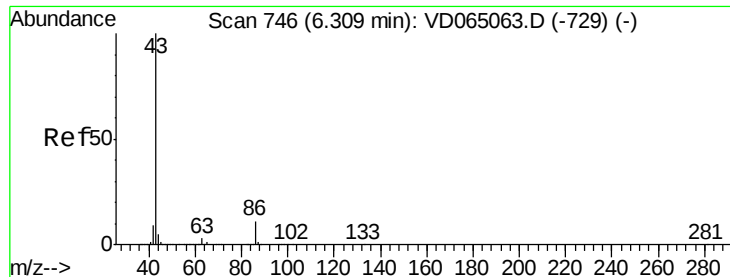
87 25.3 21.0 31.6

59 11.1 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 100.051 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

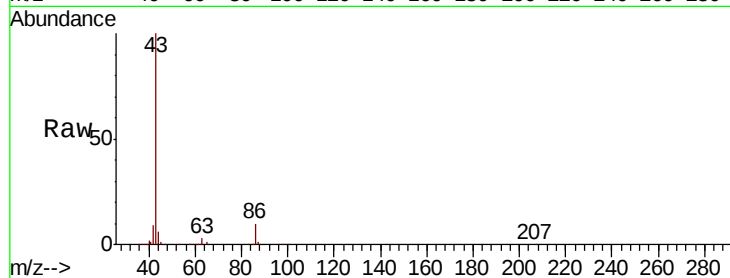
ClientSampleId :

Tot Ion: 43 Resp: 722084

Ion Ratio Lower Upper

43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

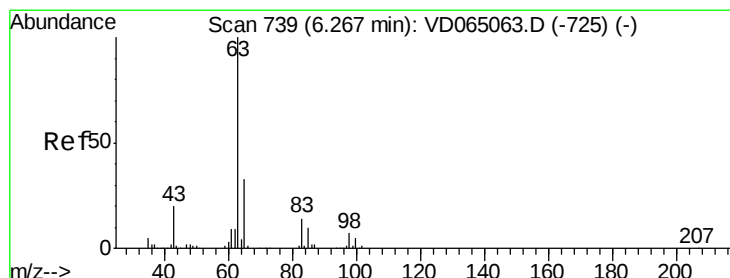
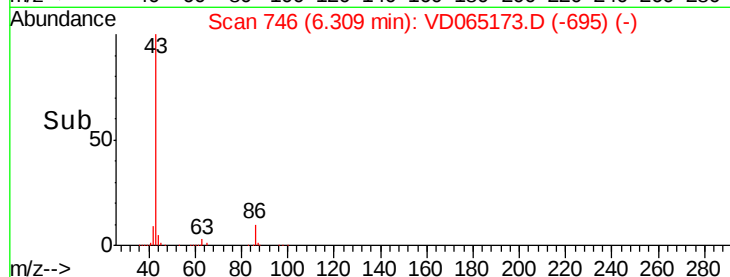
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.677 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

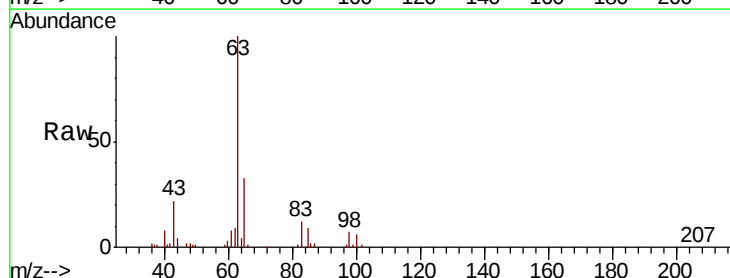
Tgt Ion: 63 Resp: 162058

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 5.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

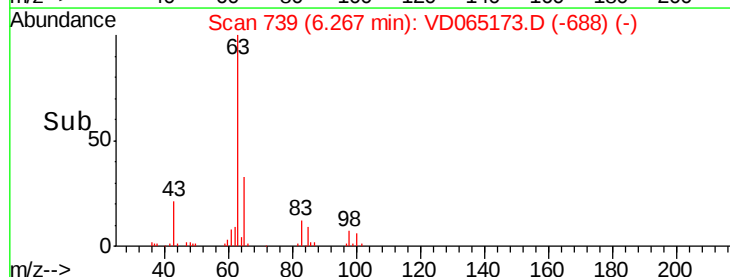
60000

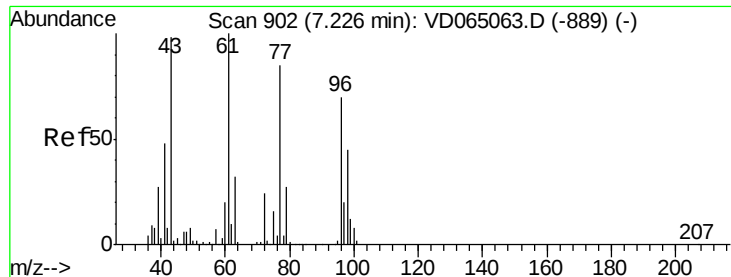
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.765 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

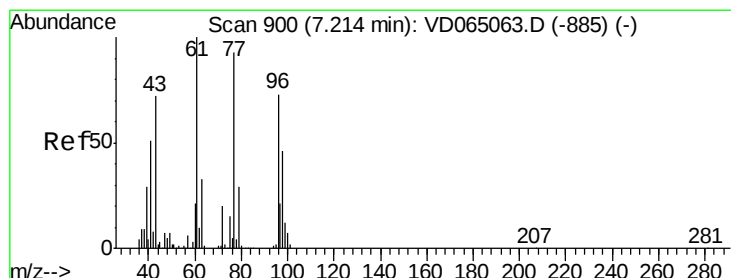
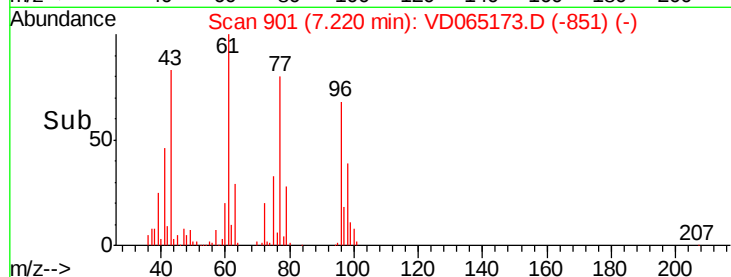
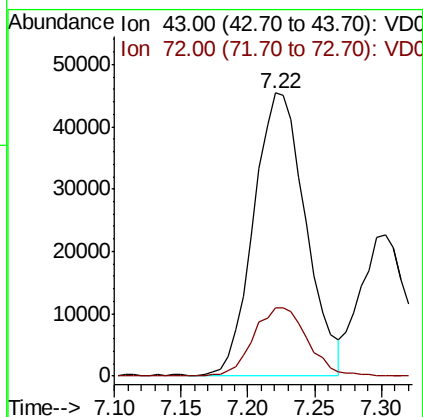
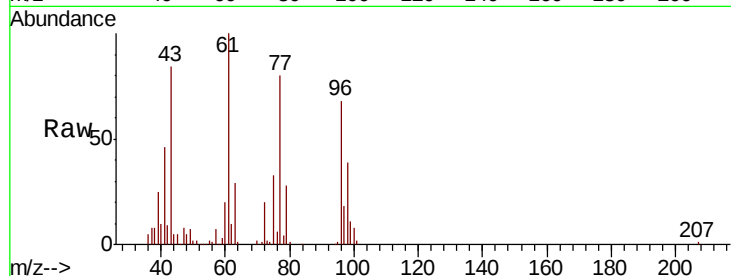
ClientSampleId :

Tot Ion: 43 Resp: 123070

Ion Ratio Lower Upper

43 100

72 23.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.123 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065173.D

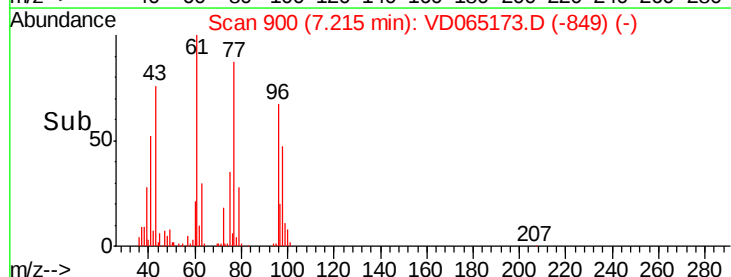
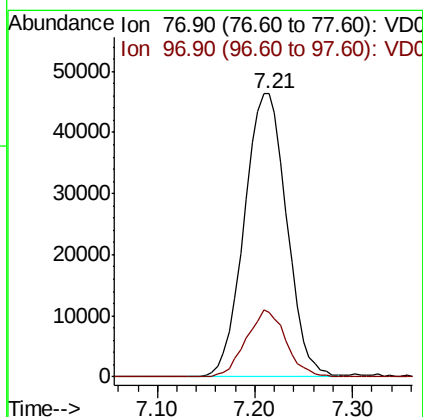
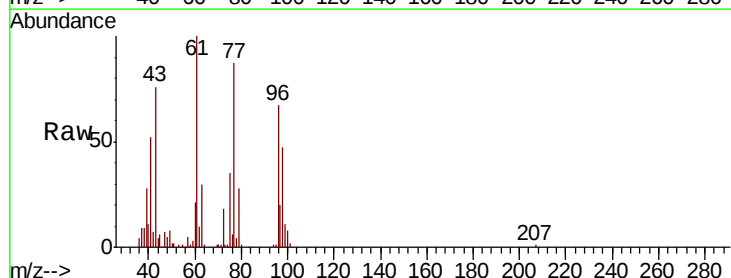
Acq: 13 Feb 2020 11:49

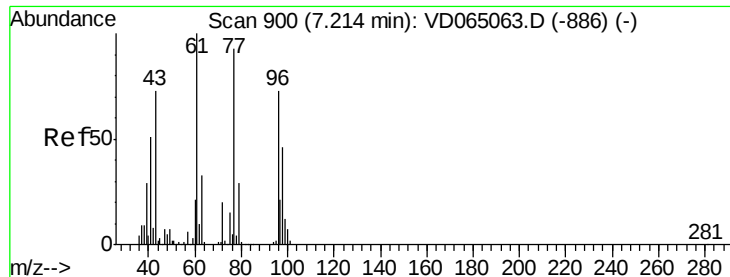
Tgt Ion: 77 Resp: 141363

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.6



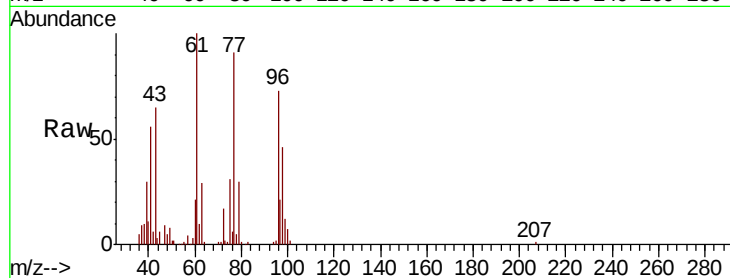


#27

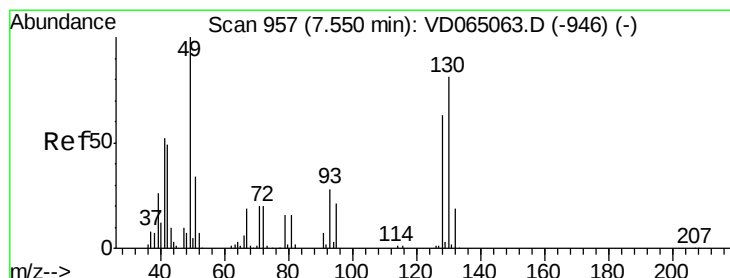
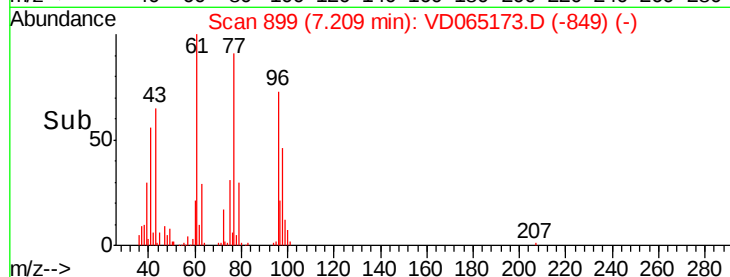
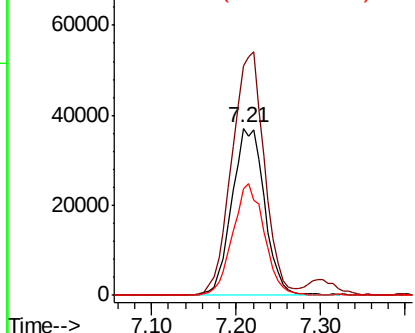
cis-1,2-Dichloroethene  
Concen: 20.042 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 96 Resp: 99501  
Ion Ratio Lower Upper  
96 100  
61 145.1 0.0 292.8  
98 64.4 0.0 128.8



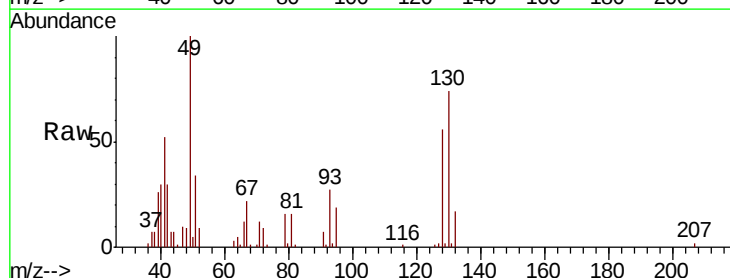
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC



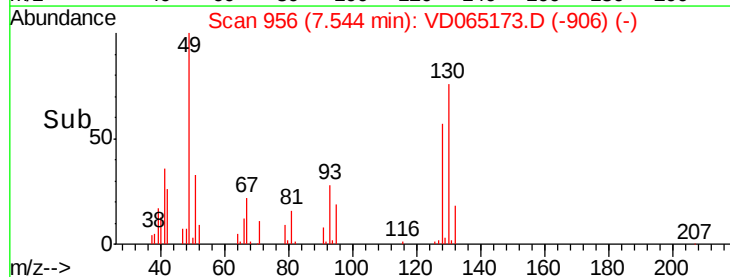
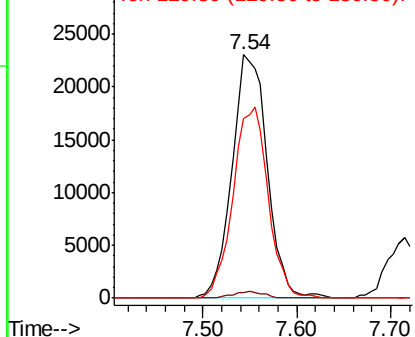
#28

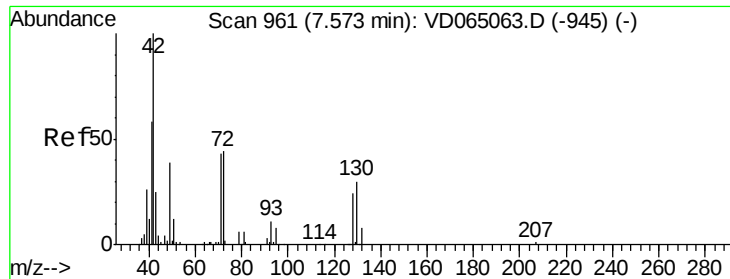
Bromochloromethane  
Concen: 20.109 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 49 Resp: 59743  
Ion Ratio Lower Upper  
49 100  
129 2.3 0.0 4.4  
130 78.5 63.8 95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC  
Ion 128.80 (128.50 to 129.50): VDC  
Ion 129.80 (129.50 to 130.50): VDC

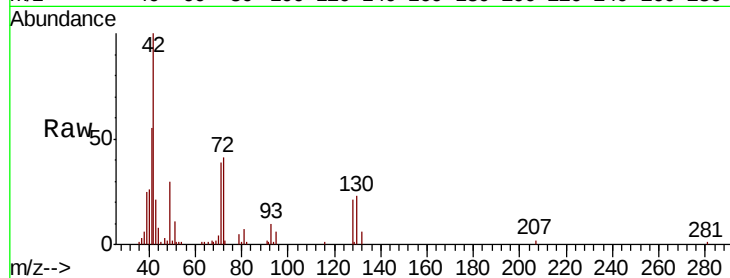




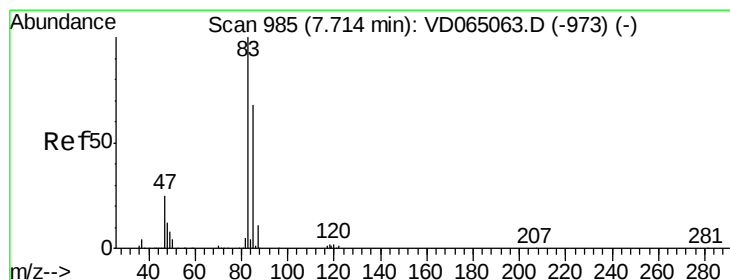
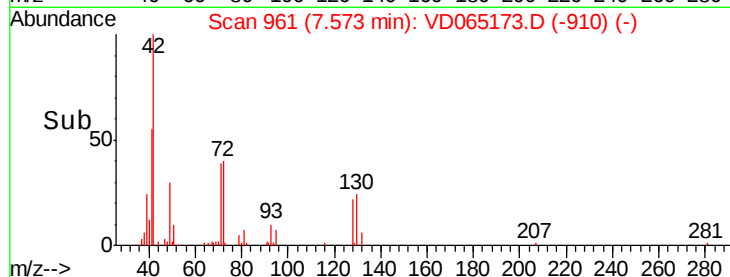
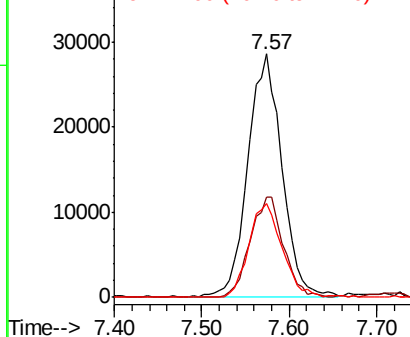
#29  
Tetrahydrofuran  
Concen: 106.065 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 42 Resp: 76075  
Ion Ratio Lower Upper  
42 100  
72 40.1 34.2 51.4  
71 37.3 31.8 47.6

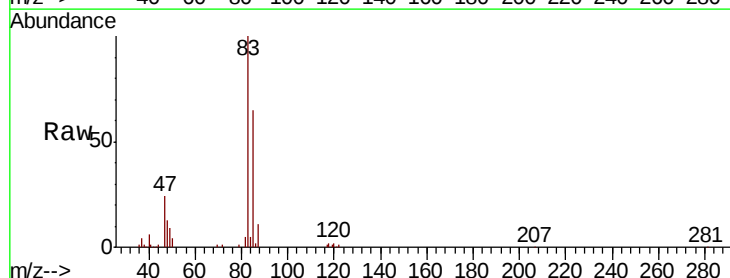


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

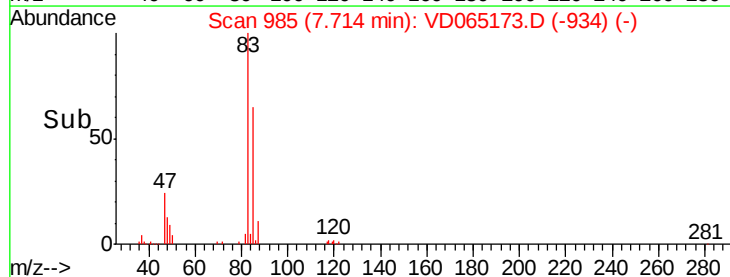
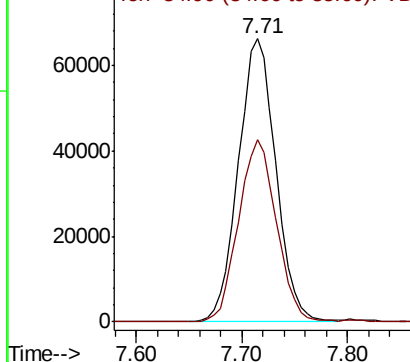


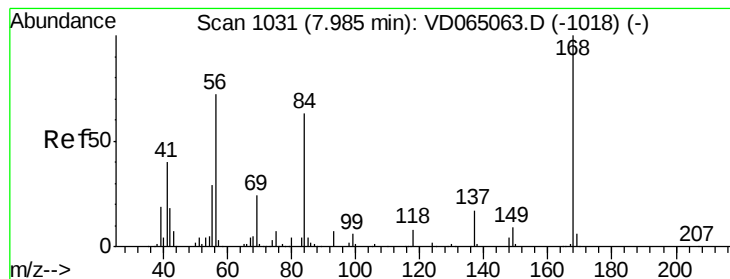
#30  
Chloroform  
Concen: 20.930 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 83 Resp: 163333  
Ion Ratio Lower Upper  
83 100  
85 64.6 54.2 81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.330 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

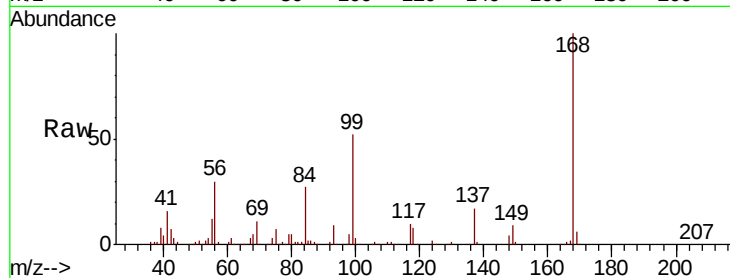
Tot Ion: 56 Resp: 152924

Ion Ratio Lower Upper

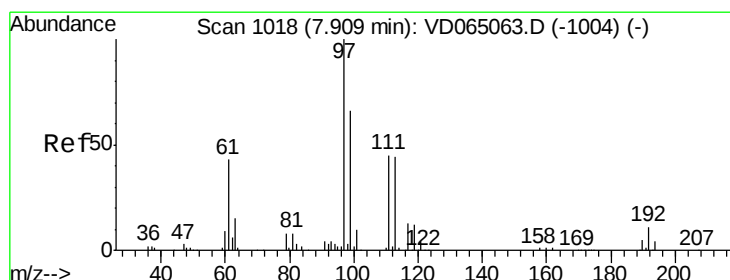
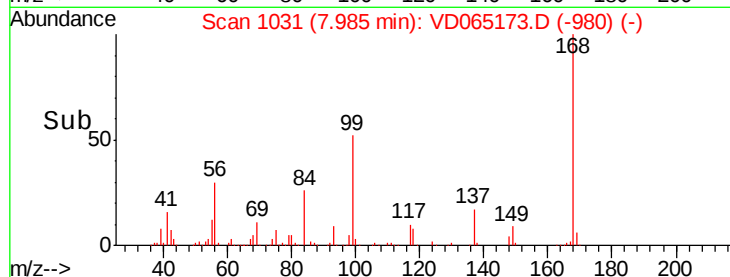
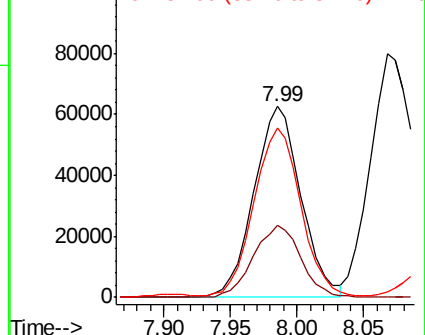
56 100

69 37.9 26.6 40.0

84 87.7 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.186 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

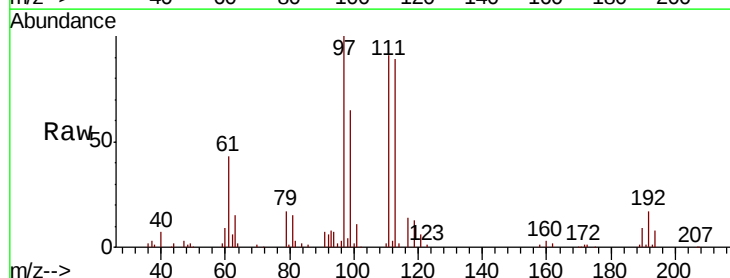
Tgt Ion: 97 Resp: 146743

Ion Ratio Lower Upper

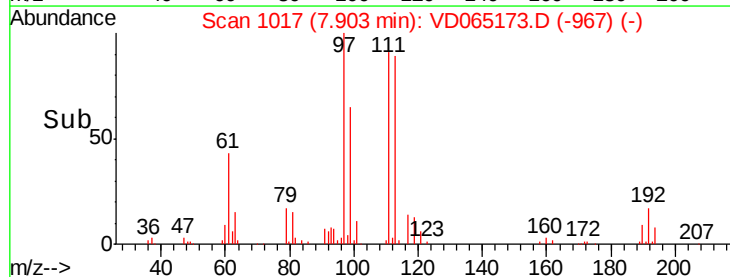
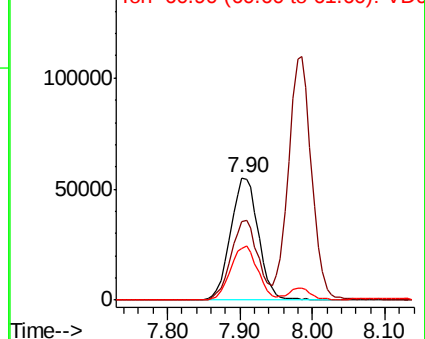
97 100

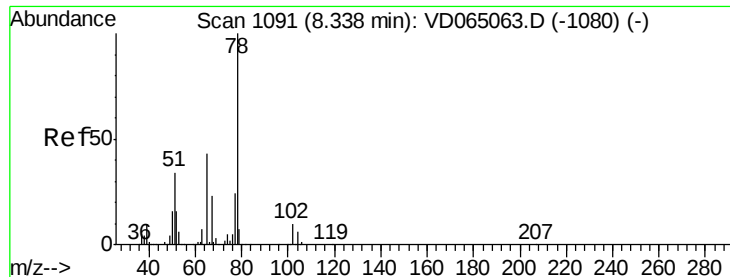
99 63.6 51.5 77.3

61 43.3 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC  
Ion 98.90 (98.60 to 99.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.032 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

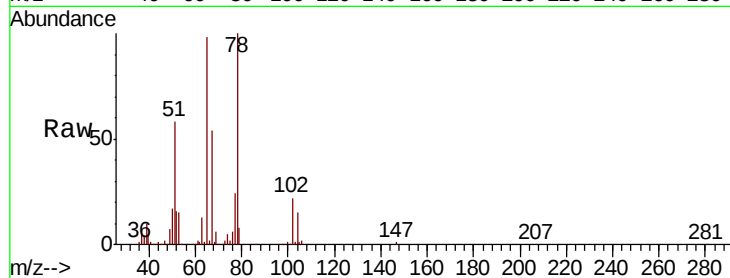
ClientSampled :

Tot Ion: 65 Resp: 206926

Ion Ratio Lower Upper

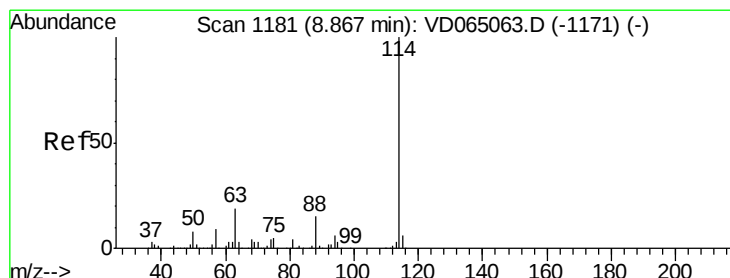
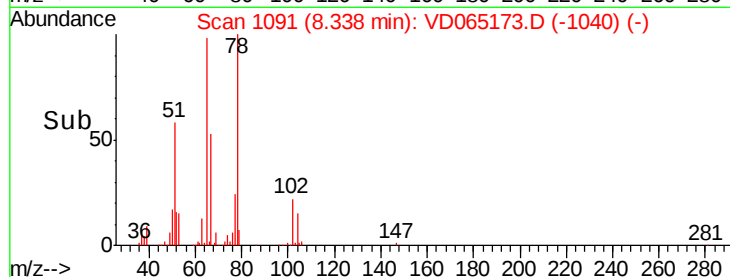
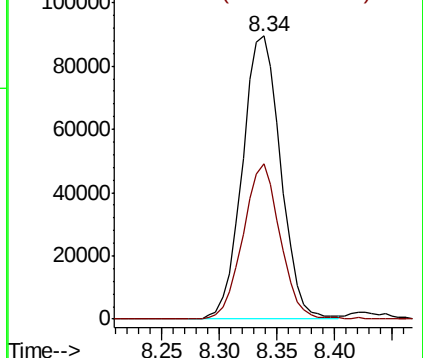
65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

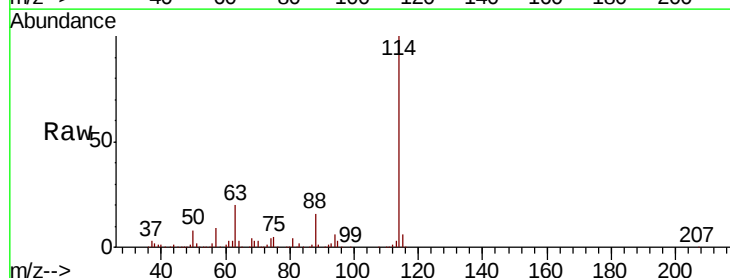
Tgt Ion: 114 Resp: 700030

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

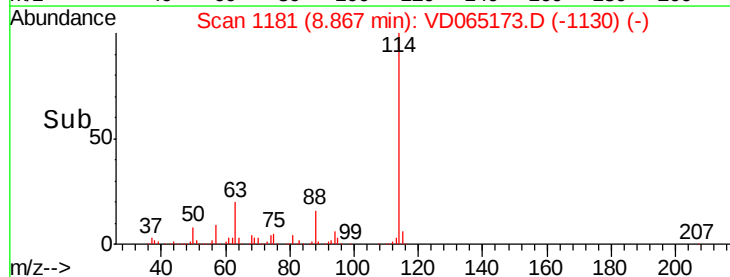
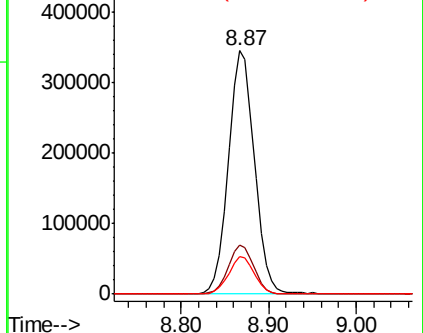
88 15.5 0.0 29.6

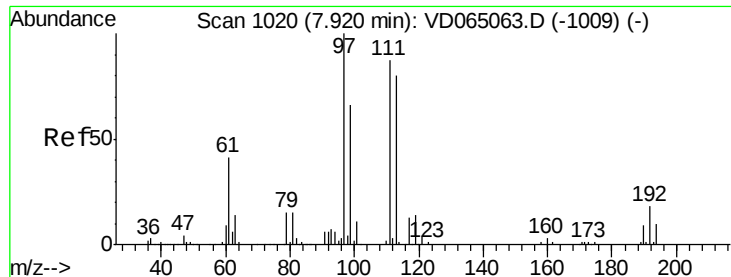


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

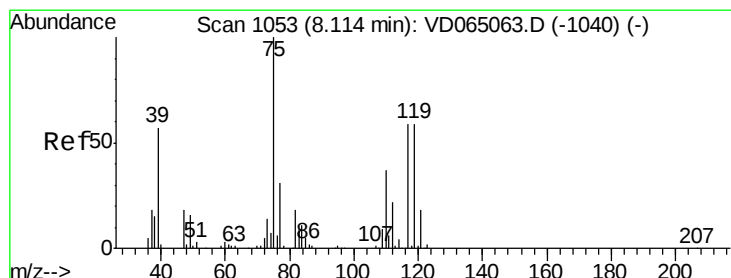
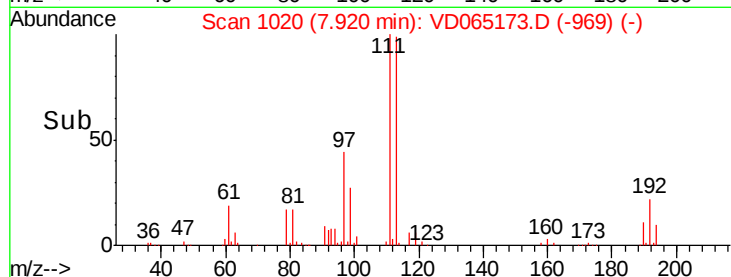
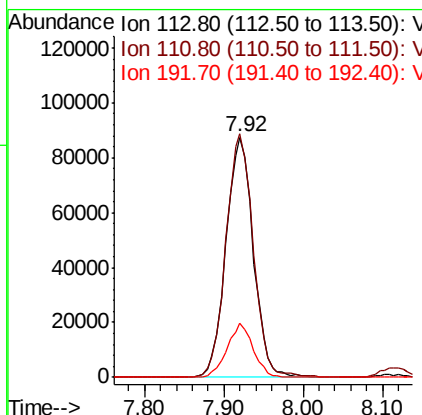
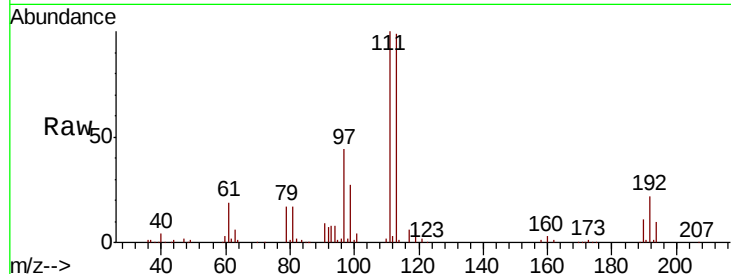




#35  
 Dibromofluoromethane  
 Concen: 53.304 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

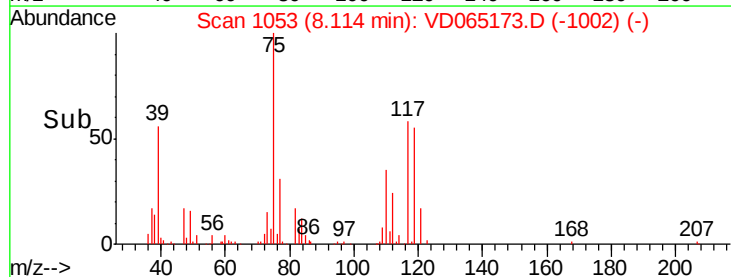
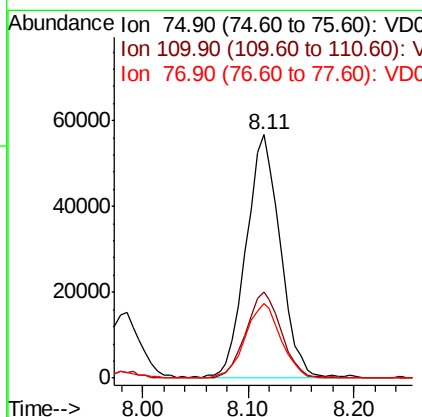
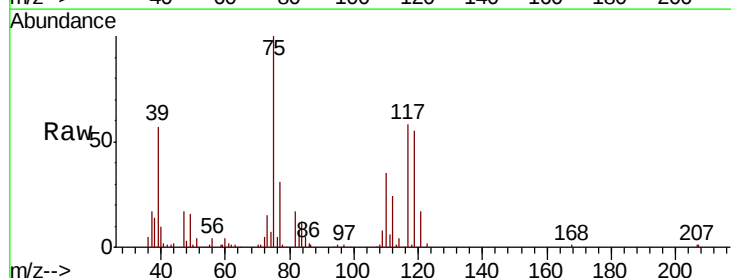
Instrument :  
 MSVOA\_D  
 ClientSampleId :

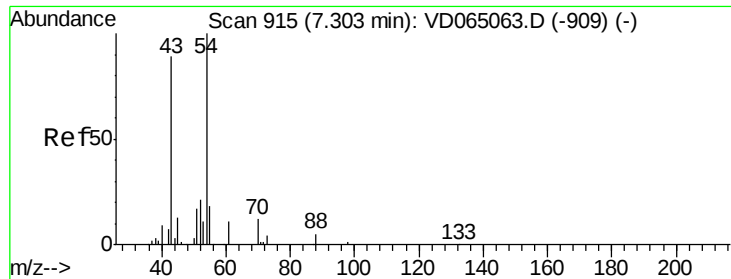
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 83.1  | 124.7 |
| 192     | 21.3  | 18.1  | 27.1  |



#36  
 1,1-Dichloropropene  
 Concen: 19.451 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.6  | 18.1  | 54.3  |
| 77      | 32.2  | 24.7  | 37.1  |

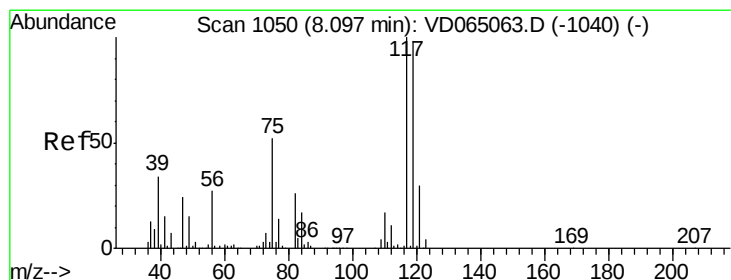
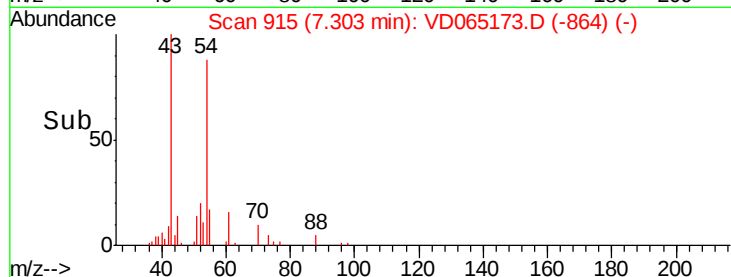
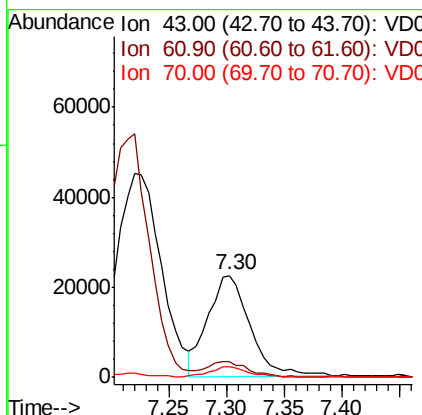
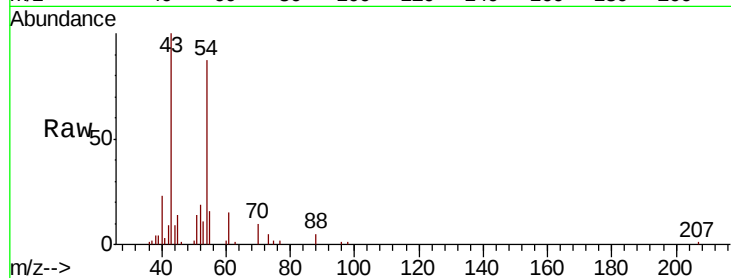




#37  
Ethyl Acetate  
Concen: 21.406 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

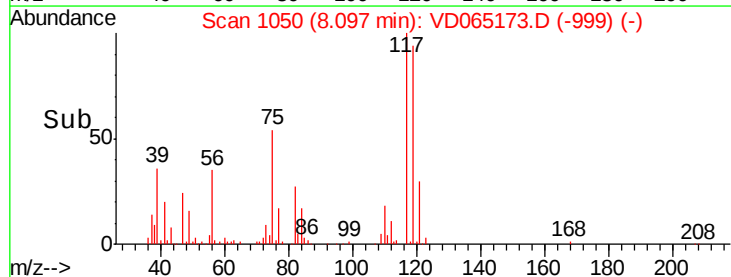
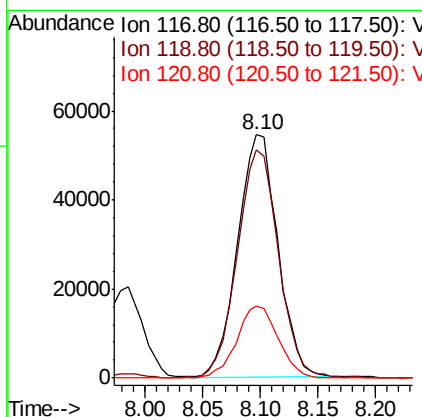
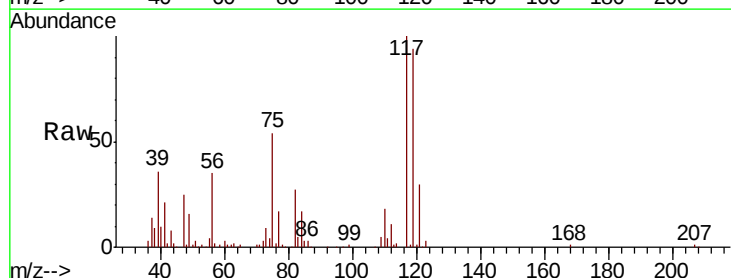
Instrument :  
MSVOA\_D  
ClientSampleId :

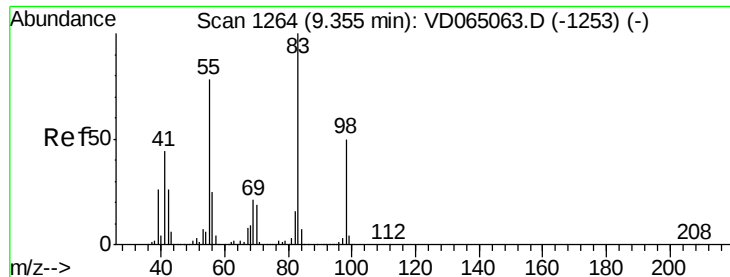
Tot Ion: 43 Resp: 56924  
Ion Ratio Lower Upper  
43 100  
61 15.7 11.0 16.4  
70 9.5 8.2 12.2



#38  
Carbon Tetrachloride  
Concen: 19.805 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 117 Resp: 131667  
Ion Ratio Lower Upper  
117 100  
119 93.7 78.5 117.7  
121 30.0 23.8 35.6

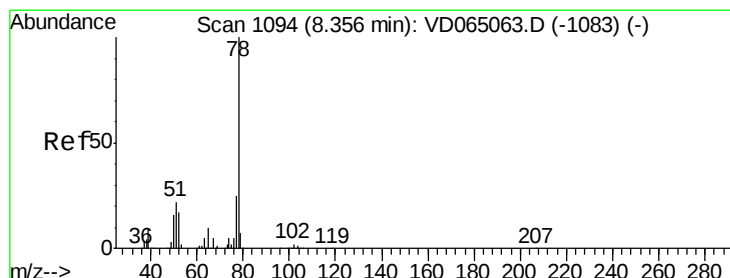
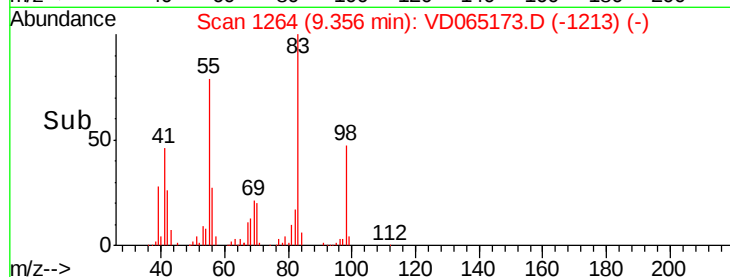
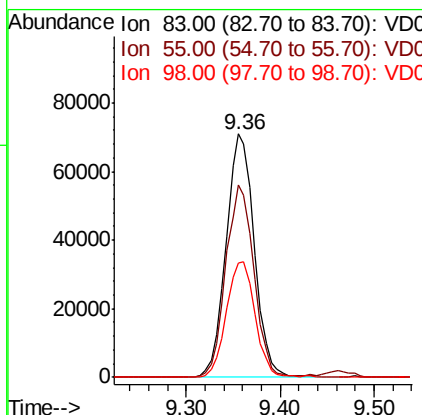
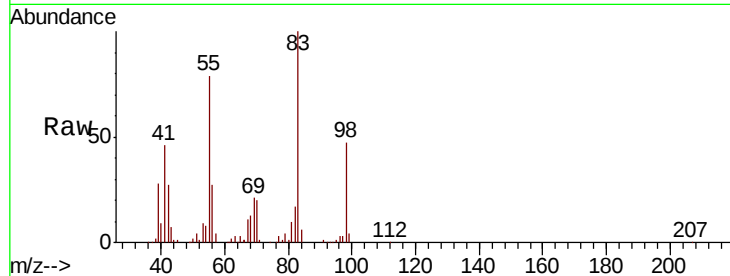




#39  
Methvlcvclohexane  
Concen: 18.445 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

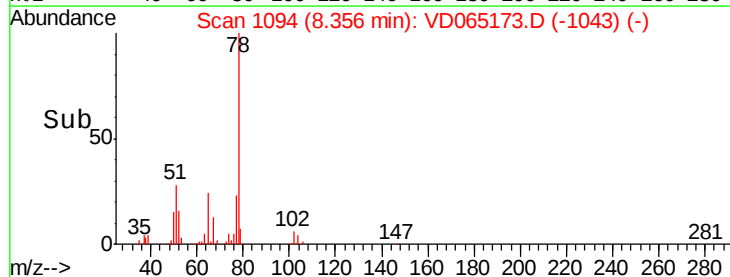
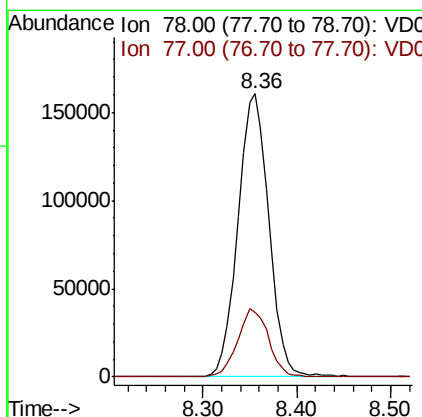
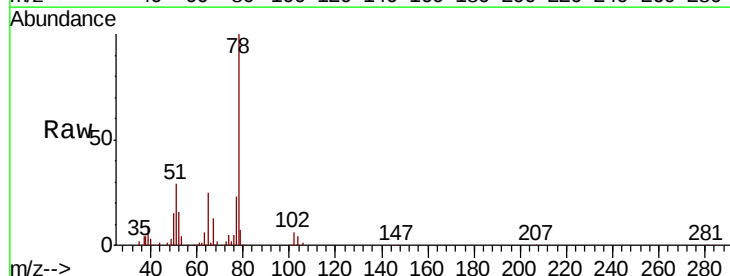
Instrument :  
MSVOA\_D  
ClientSampled :

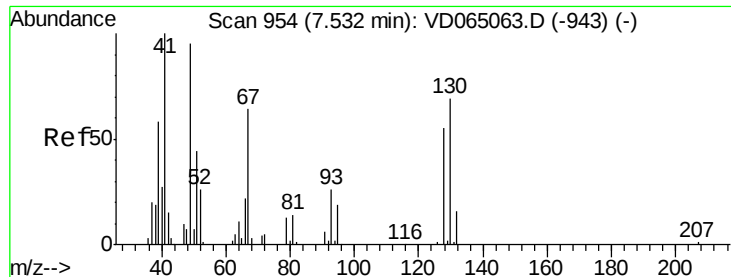
Tot Ion: 83 Resp: 148196  
Ion Ratio Lower Upper  
83 100  
55 79.2 62.0 93.0  
98 47.0 39.9 59.9



#40  
Benzene  
Concen: 20.347 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 78 Resp: 365733  
Ion Ratio Lower Upper  
78 100  
77 22.8 19.6 29.4





#41

Methacrylonitrile

Concen: 20.977 ug/l

RT: 7.53 min Scan# 954

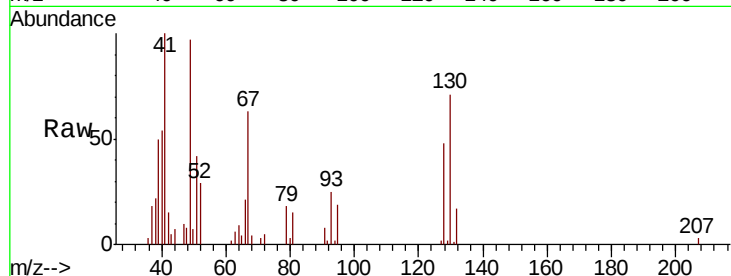
Delta R.T. 0.00 min

Lab File: VD065173.D

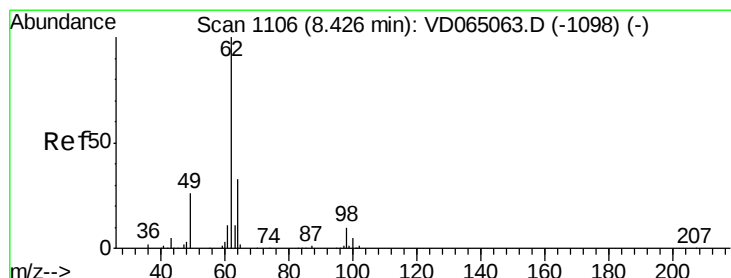
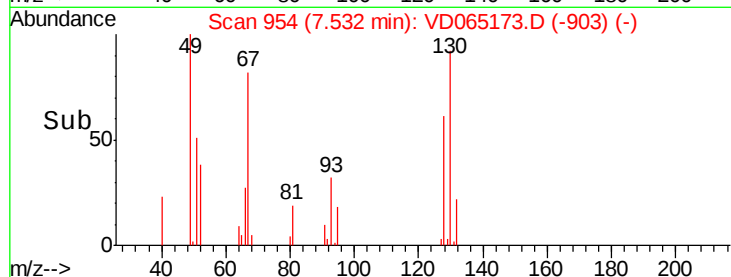
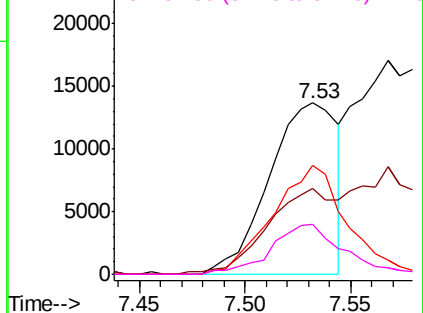
Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 30732 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.3  | 55.4  | 83.0# |
| 67       | 68.6  | 59.0  | 88.6  |
| 52       | 31.3  | 25.4  | 38.0  |



Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.290 ug/l

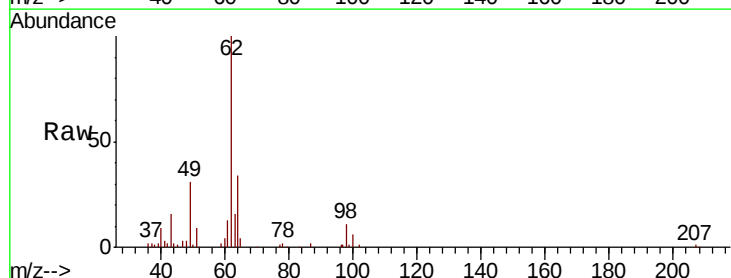
RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

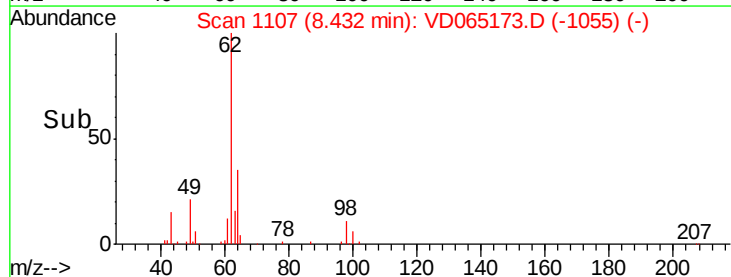
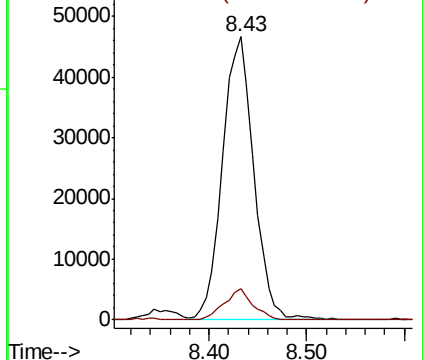
Lab File: VD065173.D

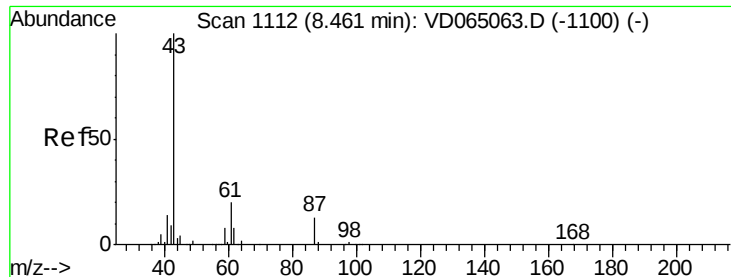
Acq: 13 Feb 2020 11:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 103918 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 18.6   |



Abundance Ion 61.90 (61.60 to 62.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC



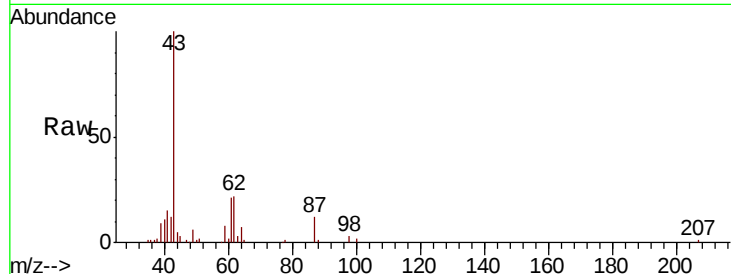


#43

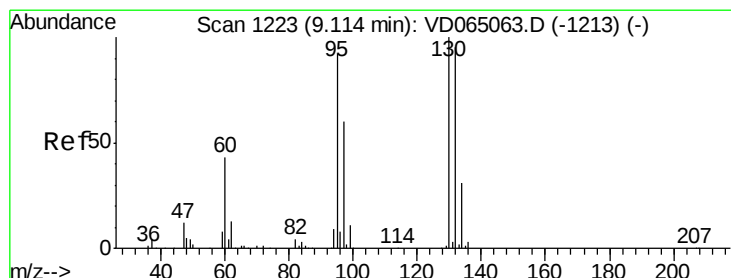
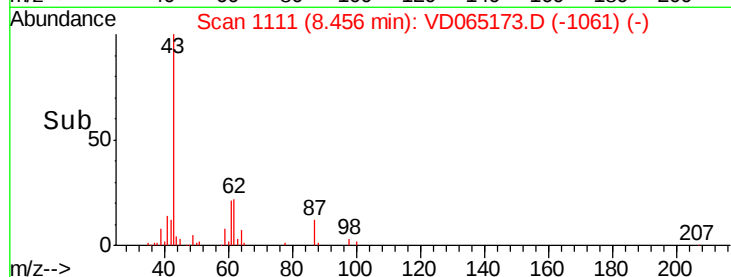
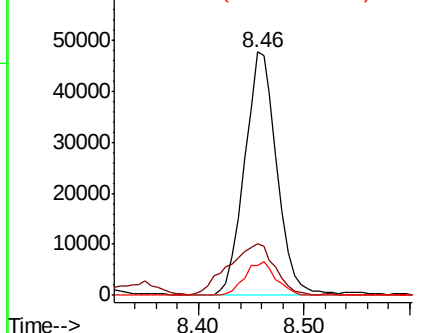
Isopropyl Acetate  
 Concen: 19.904 ug/l  
 RT: 8.46 min Scan# 1111  
 Delta R.T. -0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleID :

| Tot Ion   | 43    | Resp  | 101249 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 29.7  | 24.0  | 36.0   |
| 87        | 13.2  | 10.2  | 15.4   |



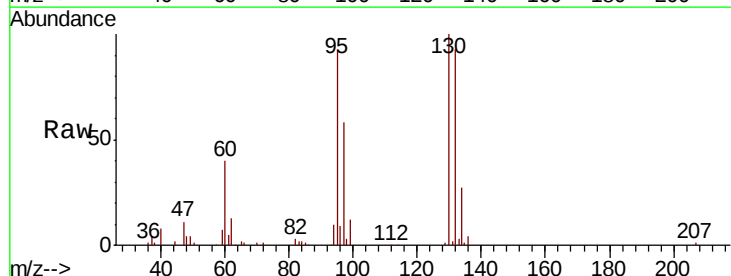
Abundance Ion 43.00 (42.70 to 43.70): VDC  
 Ion 61.00 (60.70 to 61.70): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



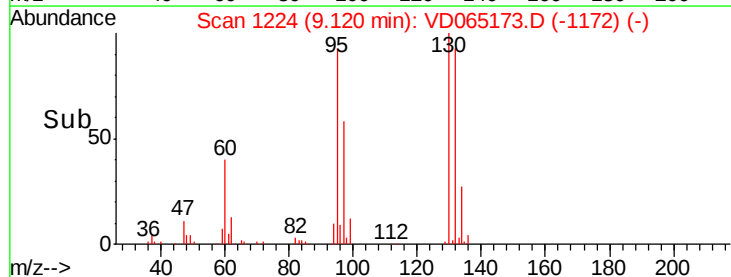
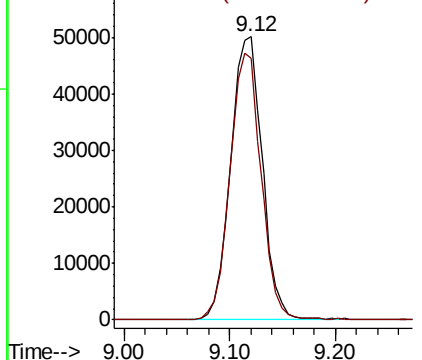
#44

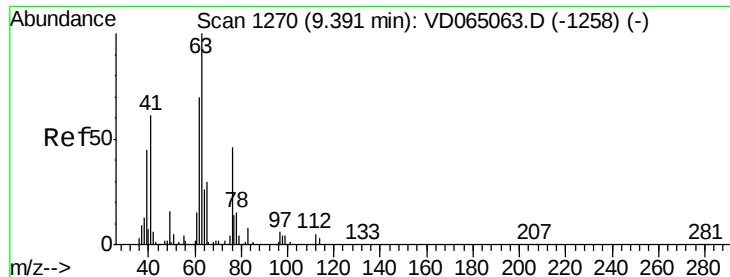
Trichloroethene  
 Concen: 20.047 ug/l  
 RT: 9.12 min Scan# 1224  
 Delta R.T. 0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

| Tgt Ion   | 130   | Resp  | 103432 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 92.6  | 0.0   | 185.0  |



Abundance Ion 129.80 (129.50 to 130.50): VDC  
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.154 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

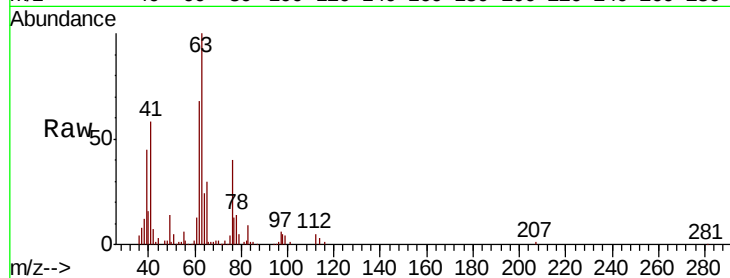
ClientSampled :

Tot Ion: 63 Resp: 91168

Ion Ratio Lower Upper

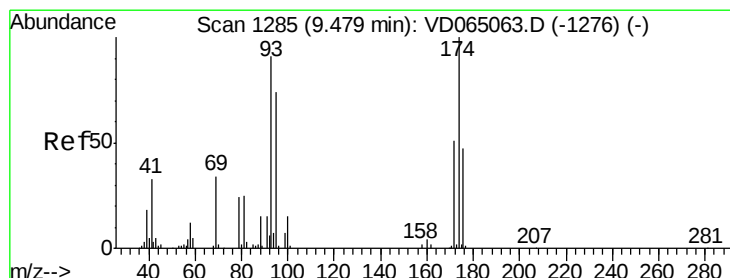
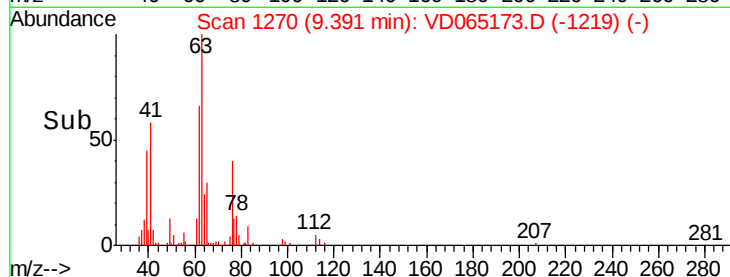
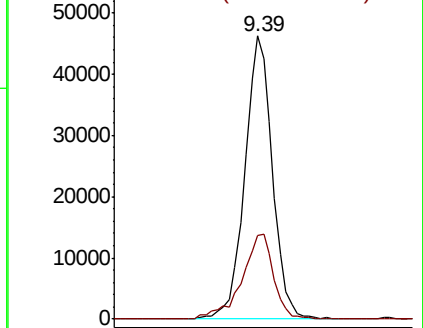
63 100

65 29.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.505 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

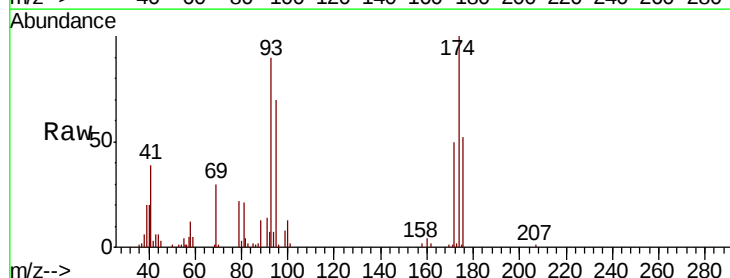
Tgt Ion: 93 Resp: 48701

Ion Ratio Lower Upper

93 100

95 81.4 66.5 99.7

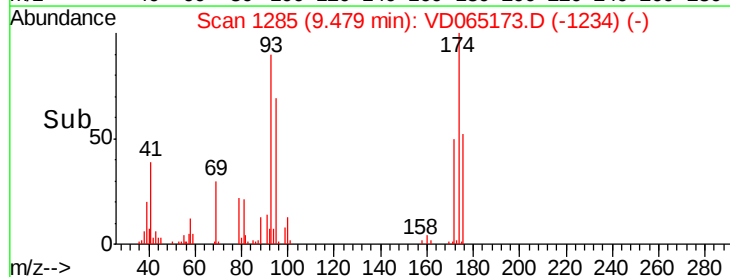
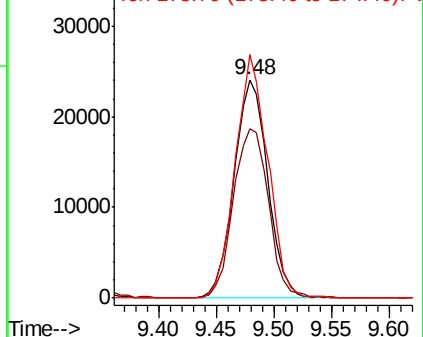
174 108.3 89.8 134.8

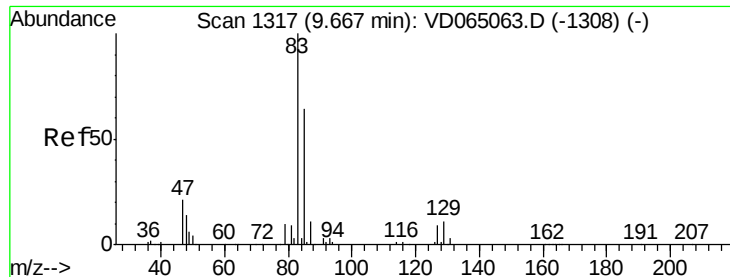


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.139 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

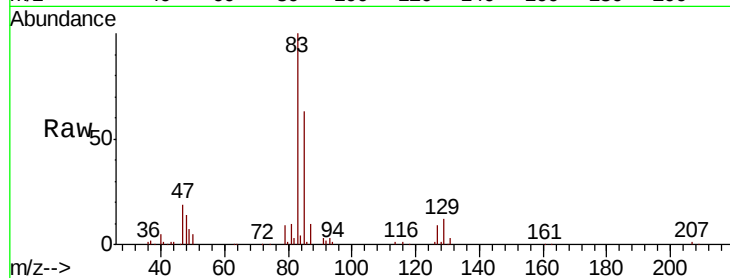
Tot Ion: 83 Resp: 126137

Ion Ratio Lower Upper

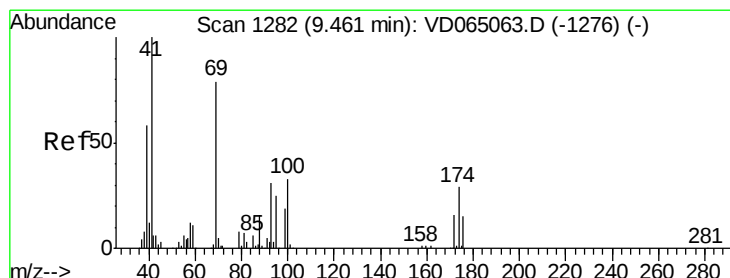
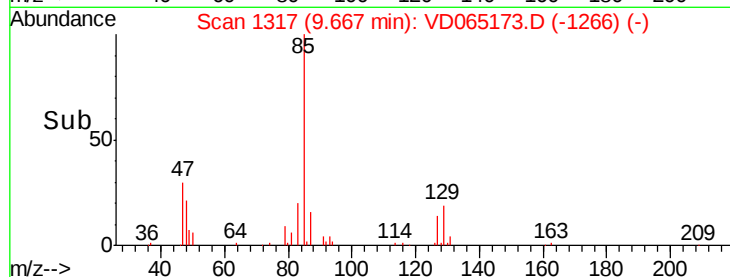
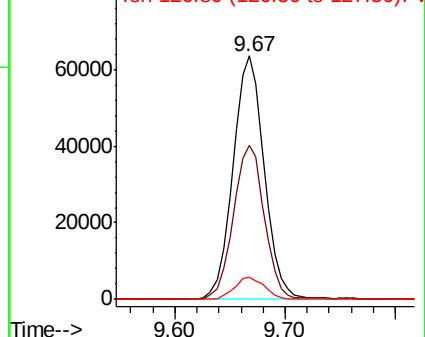
83 100

85 63.4 51.0 76.6

127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.869 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

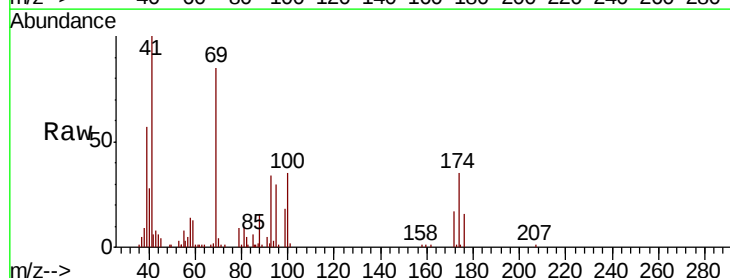
Tgt Ion: 41 Resp: 48635

Ion Ratio Lower Upper

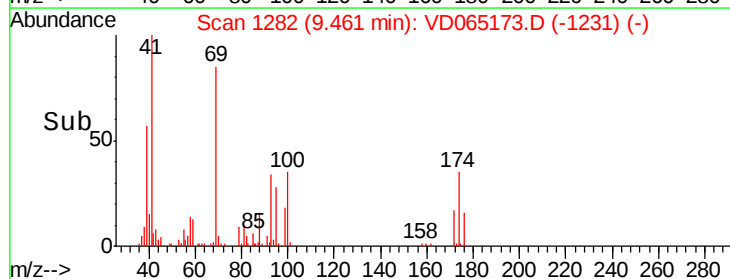
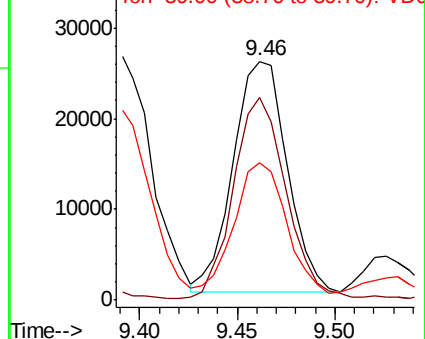
41 100

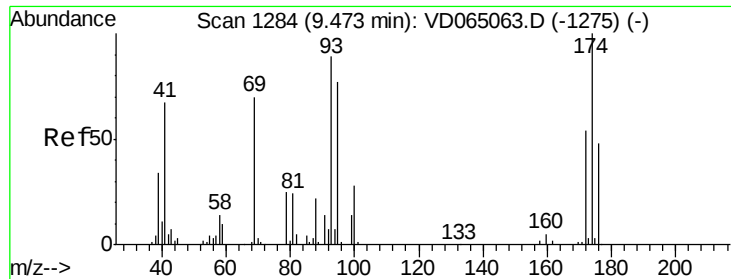
69 85.1 67.5 101.3

39 54.6 47.0 70.4



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

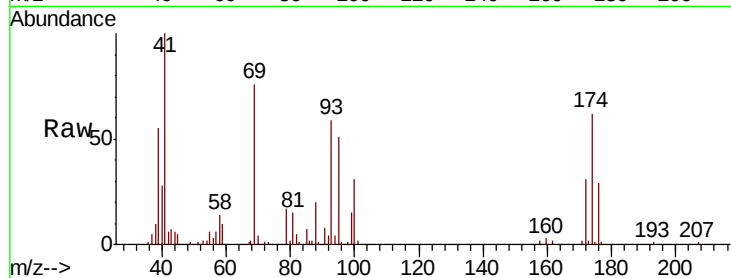




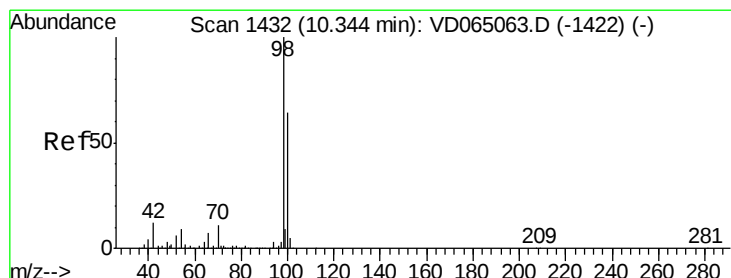
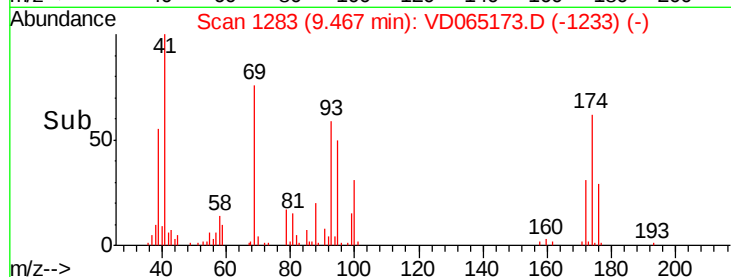
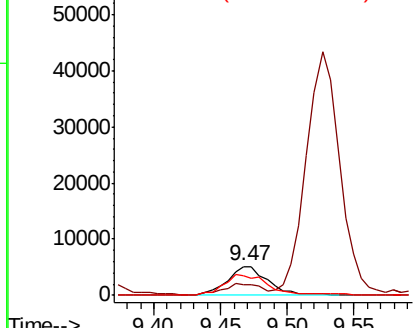
#49  
1,4-Dioxane  
Concen: 406.775 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 88 Resp: 10911  
Ion Ratio Lower Upper  
88 100  
43 38.5 27.7 41.5  
58 75.7 55.5 83.3

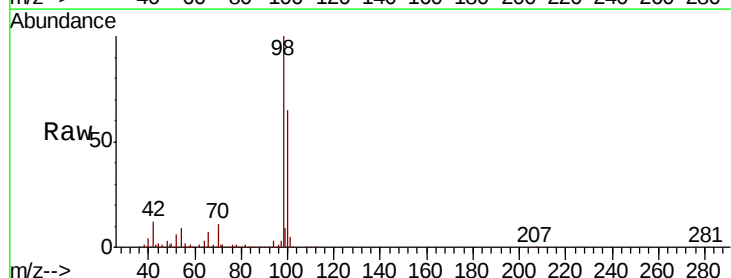


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC

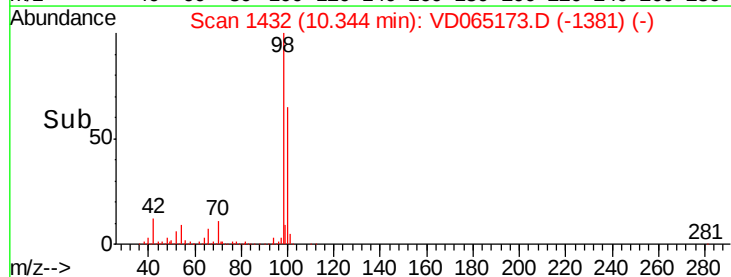
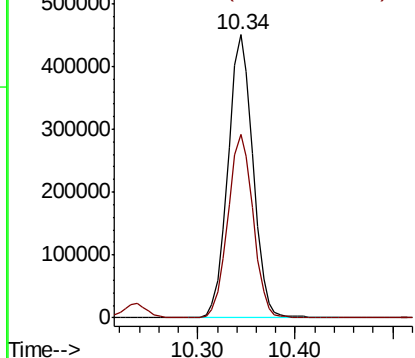


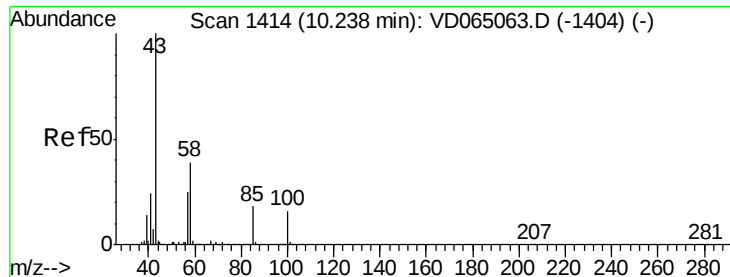
#50  
Toluene-d8  
Concen: 51.504 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 98 Resp: 800678  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.1 78.1



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: 104.973 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

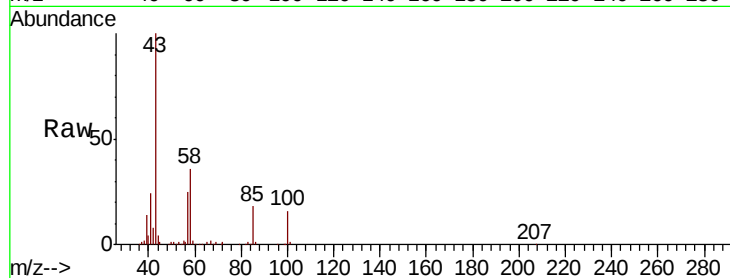
ClientSampleId :

Tot Ion: 43 Resp: 262841

Ion Ratio Lower Upper

43 100

58 38.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

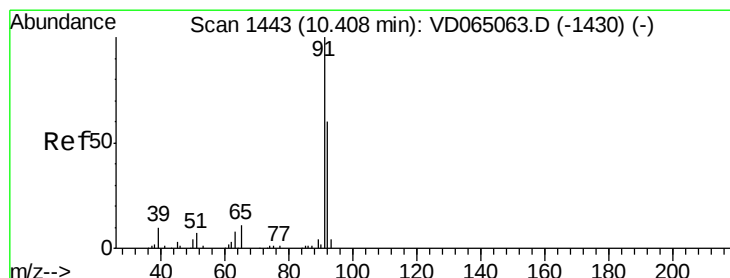
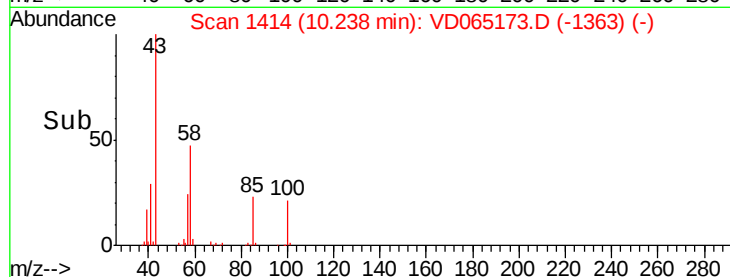
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.309 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065173.D

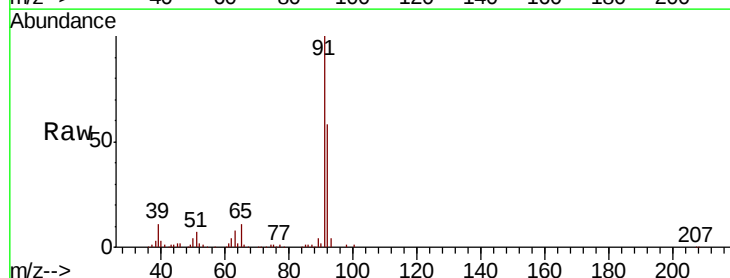
Acq: 13 Feb 2020 11:49

Tgt Ion: 92 Resp: 232998

Ion Ratio Lower Upper

92 100

91 173.4 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

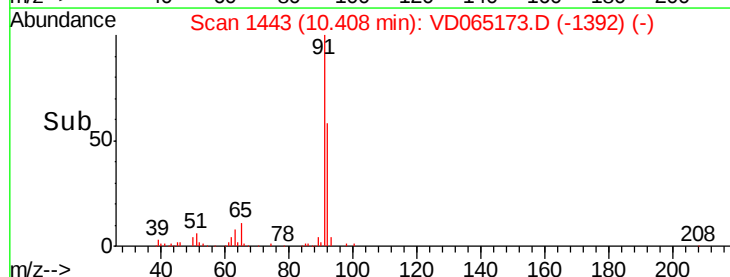
150000

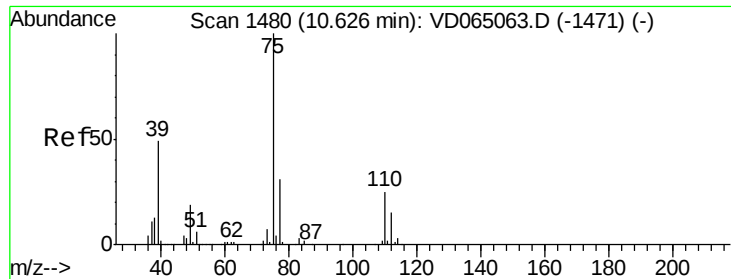
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.005 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

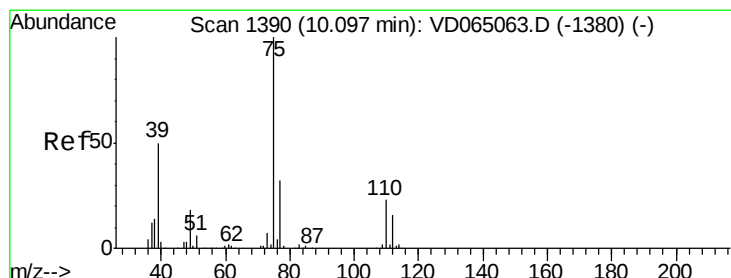
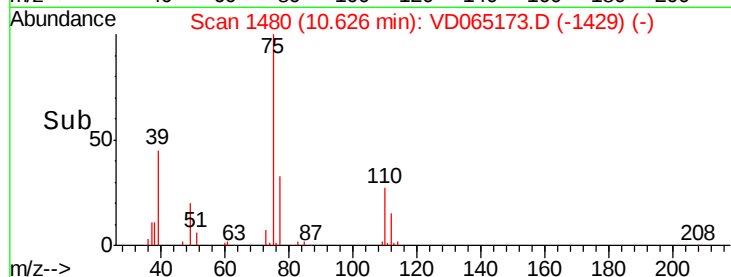
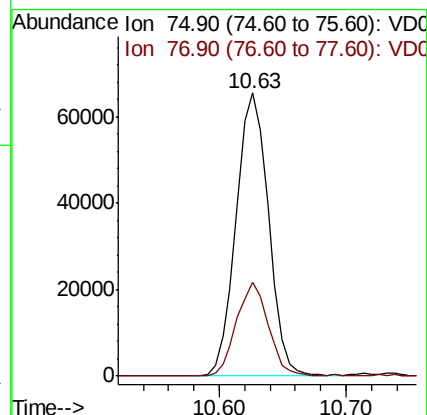
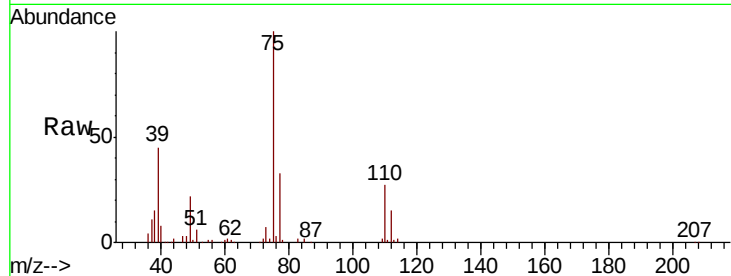
ClientSampleId :

Tot Ion: 75 Resp: 116224

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.062 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

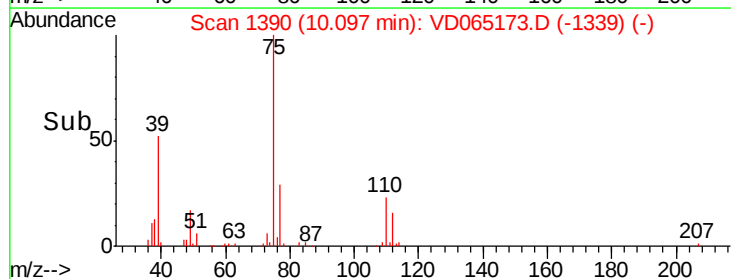
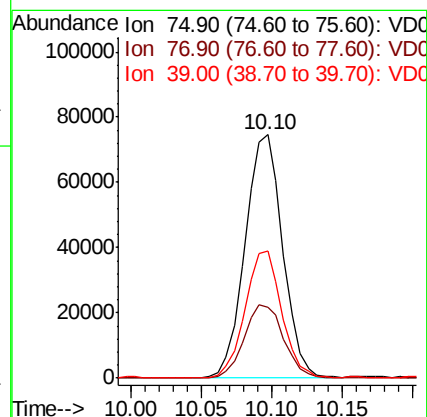
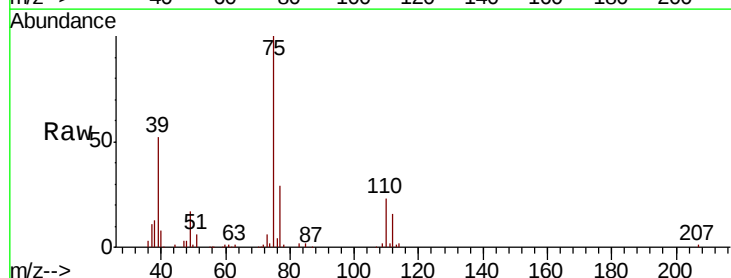
Tgt Ion: 75 Resp: 139400

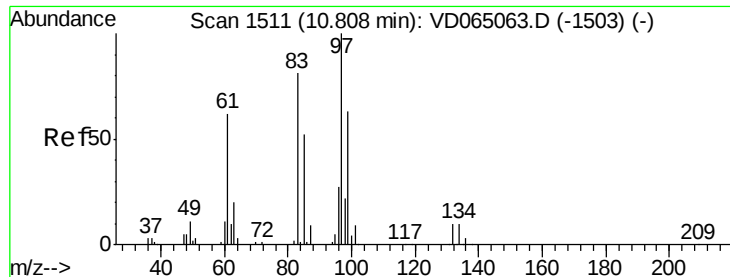
Ion Ratio Lower Upper

75 100

77 29.3 25.3 37.9

39 52.2 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 20.955 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 97 Resp: 65094

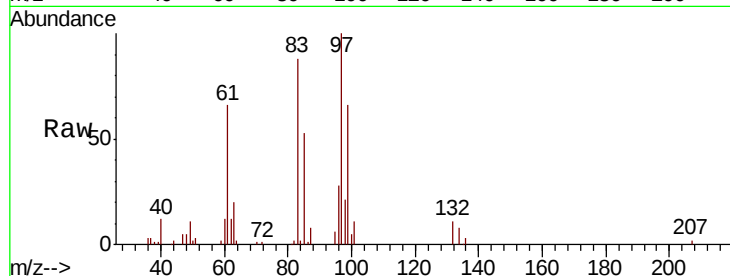
Ion Ratio Lower Upper

97 100

83 88.4 64.8 97.2

85 52.6 41.2 61.8

99 65.6 50.3 75.5



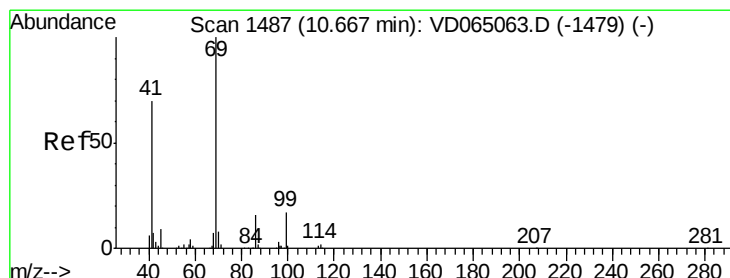
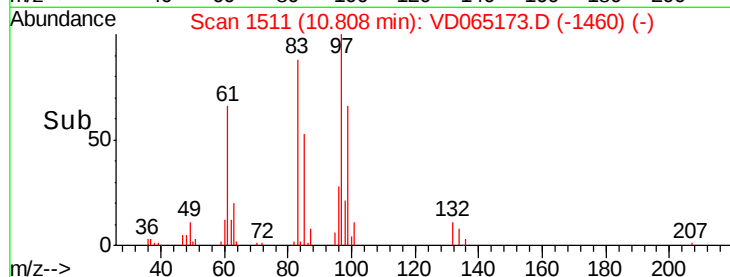
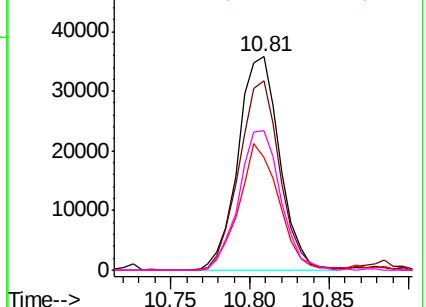
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.877 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

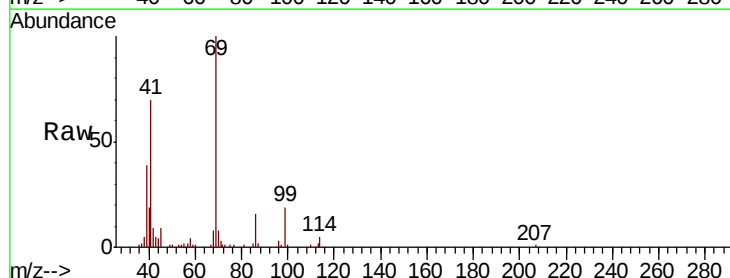
Tgt Ion: 69 Resp: 78123

Ion Ratio Lower Upper

69 100

41 68.9 55.9 83.9

39 34.1 29.4 44.0

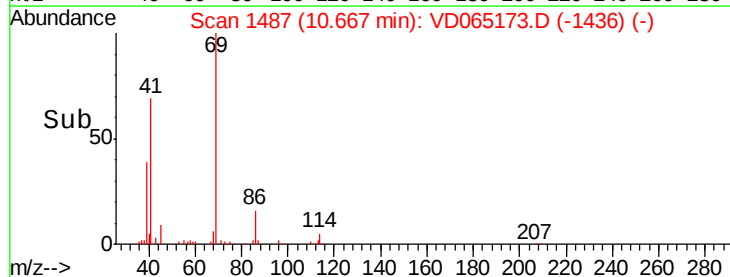
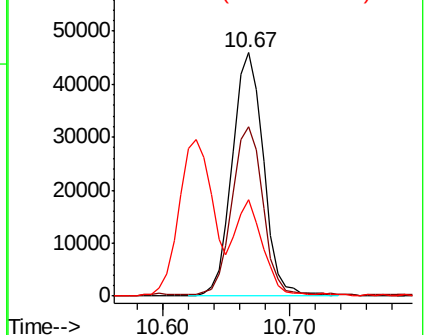


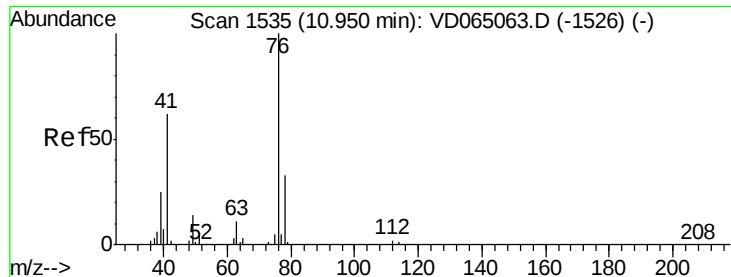
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.543 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

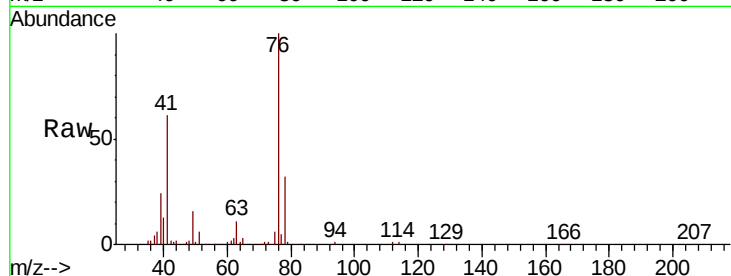
ClientSampleId :

Tot Ion: 76 Resp: 112207

Ion Ratio Lower Upper

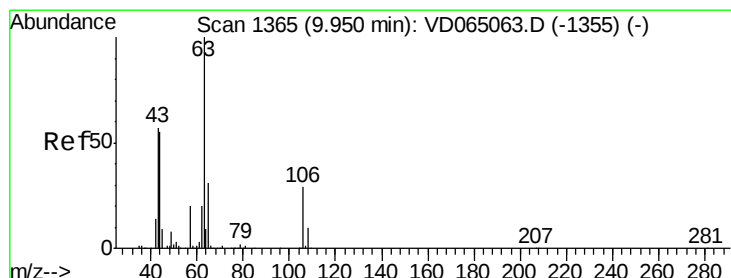
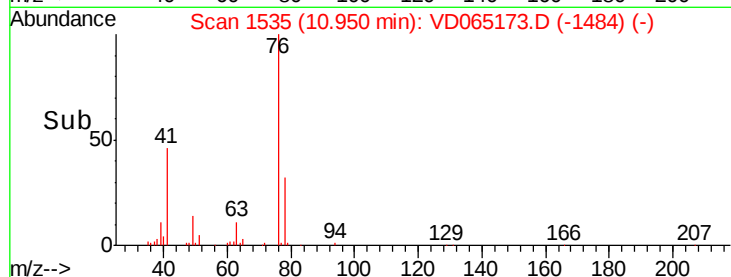
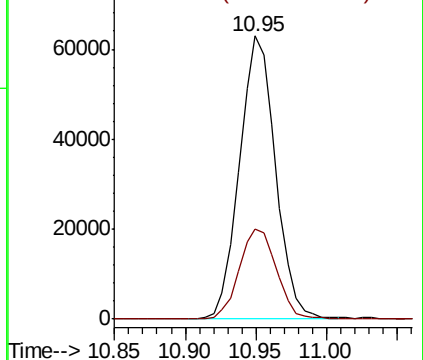
76 100

78 32.8 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 90.465 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065173.D

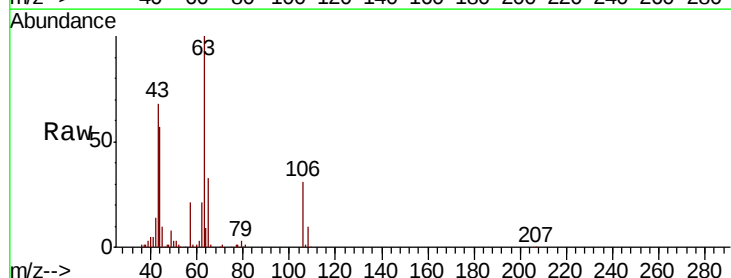
Acq: 13 Feb 2020 11:49

Tgt Ion: 63 Resp: 130282

Ion Ratio Lower Upper

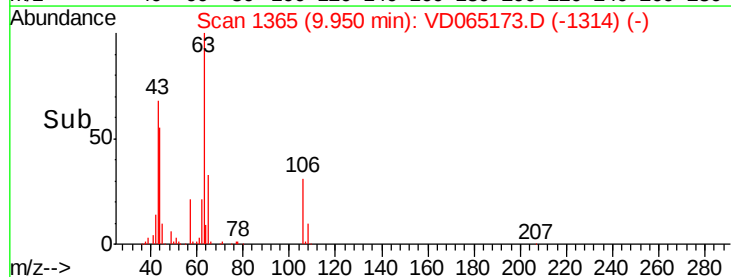
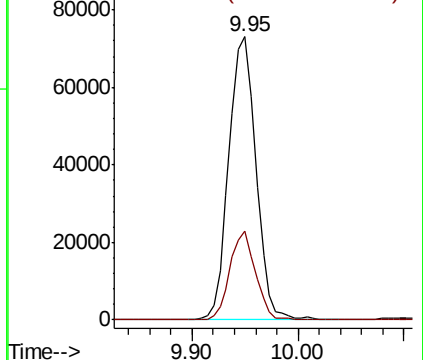
63 100

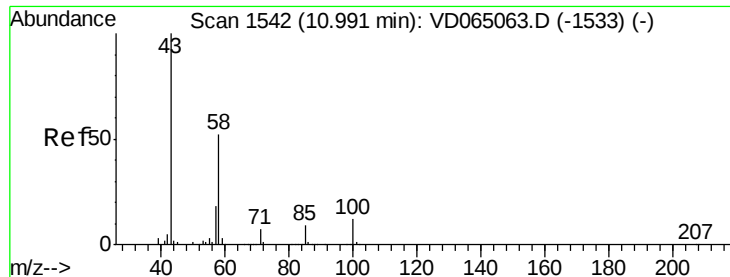
106 29.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

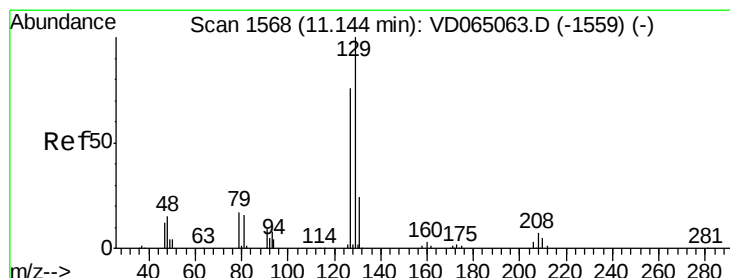
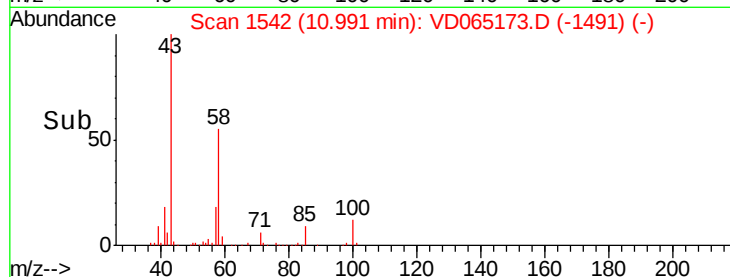
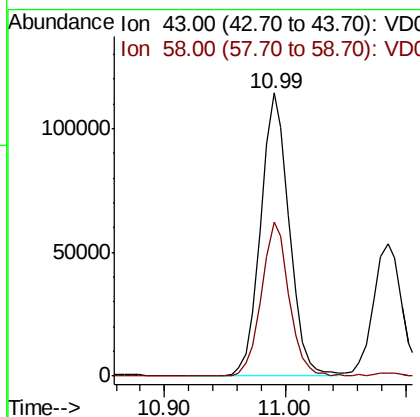
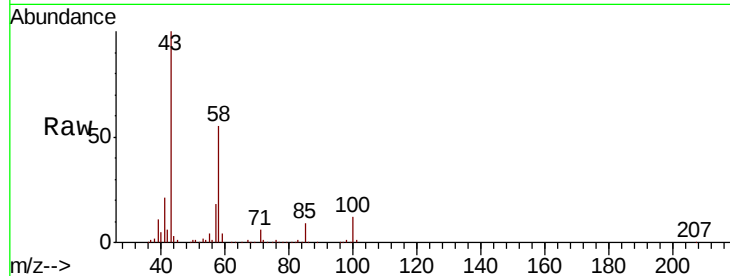




#59  
2-Hexanone  
Concen: 105.749 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

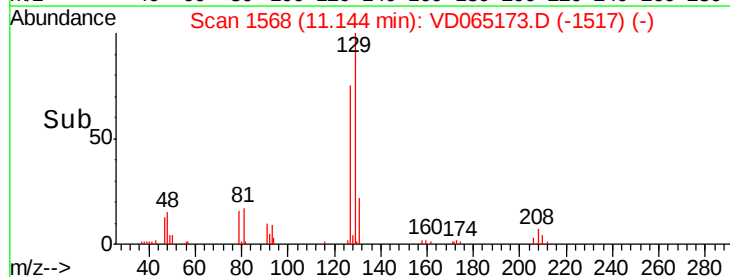
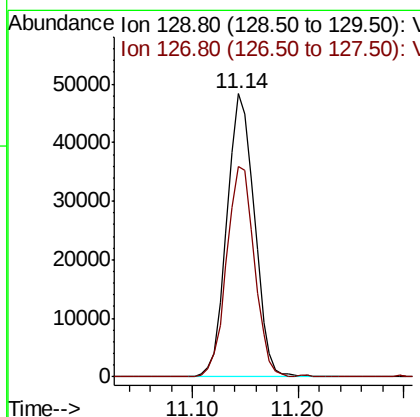
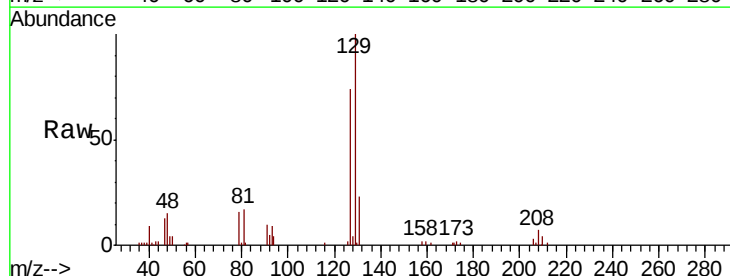
Instrument :  
MSVOA\_D  
ClientSampleId :

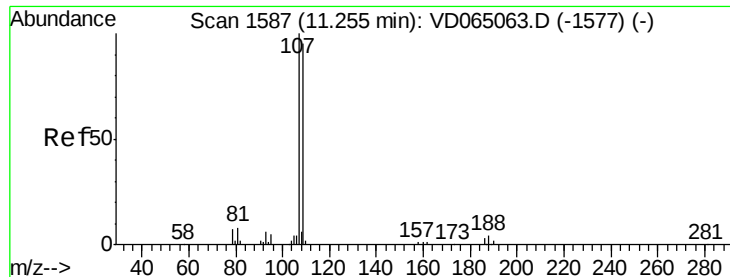
Tot Ion: 43 Resp: 187552  
Ion Ratio Lower Upper  
43 100  
58 52.6 26.2 78.6



#60  
Dibromochloromethane  
Concen: 21.711 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 129 Resp: 87354  
Ion Ratio Lower Upper  
129 100  
127 75.1 38.3 114.9

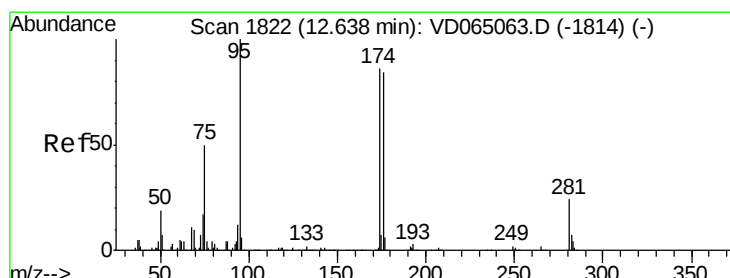
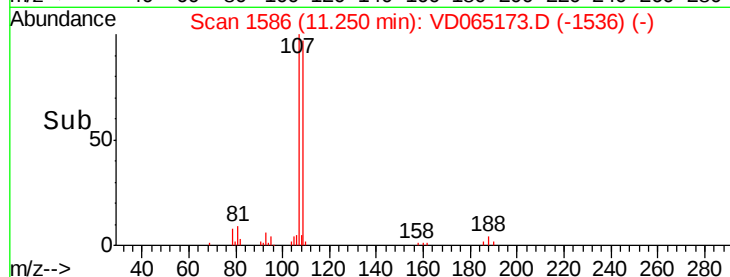
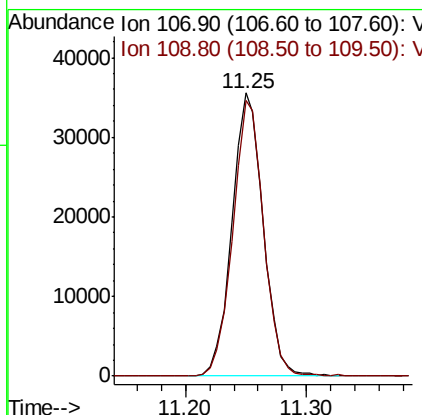
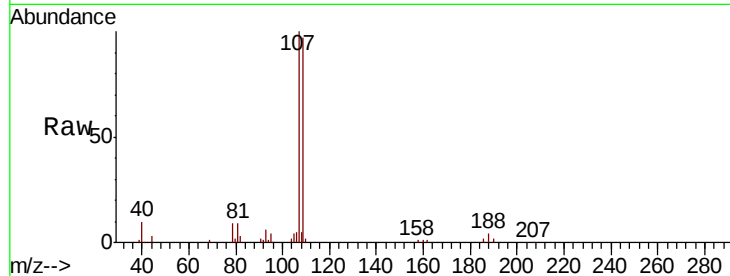




#61  
 1,2-Dibromoethane  
 Concen: 21.010 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

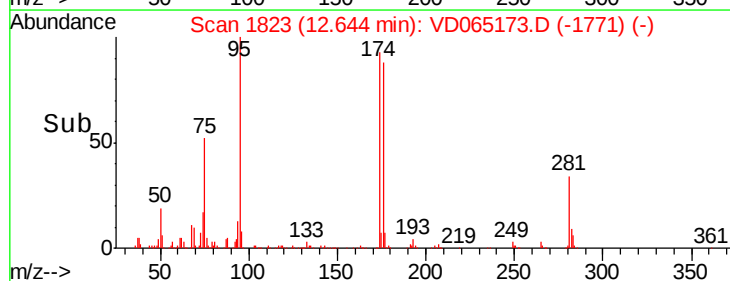
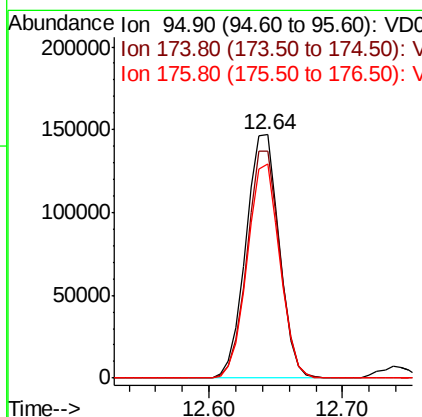
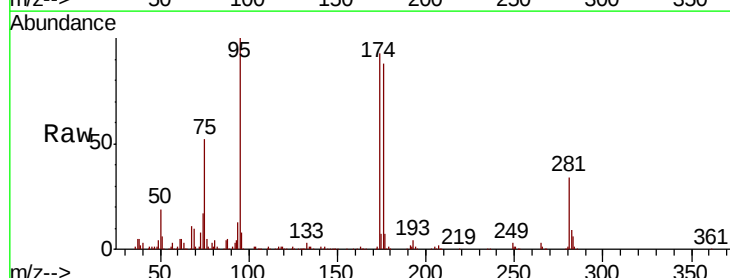
Instrument :  
 MSVOA\_D  
 ClientSampleId :

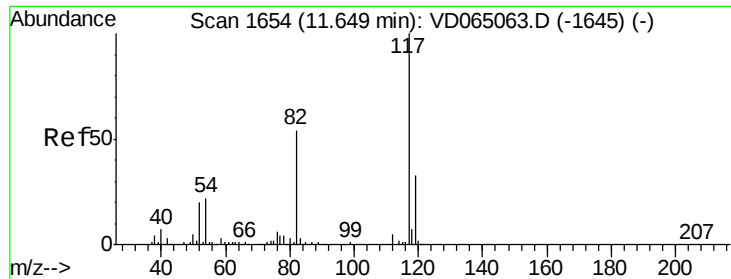
Tot Ion: 107 Resp: 63769  
 Ion Ratio Lower Upper  
 107 100  
 109 96.0 75.5 113.3



#62  
 4-Bromofluorobenzene  
 Concen: 51.154 ug/l  
 RT: 12.64 min Scan# 1823  
 Delta R.T. 0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Tgt Ion: 95 Resp: 251980  
 Ion Ratio Lower Upper  
 95 100  
 174 91.6 0.0 180.0  
 176 86.1 0.0 173.2

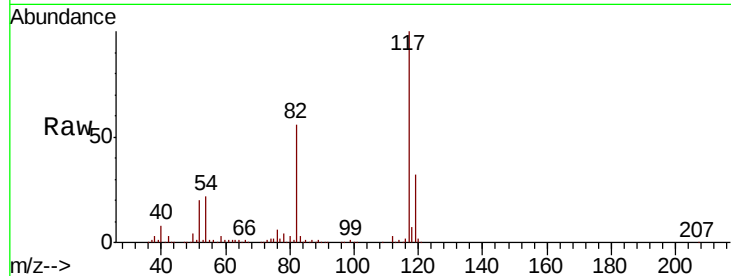




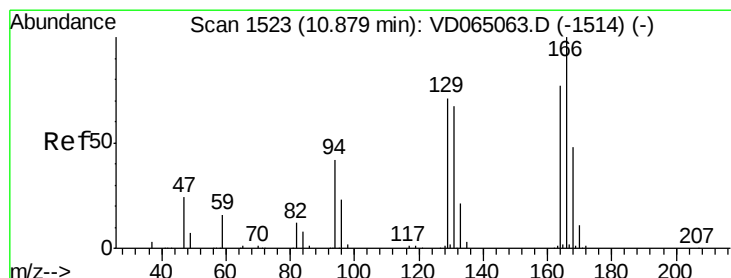
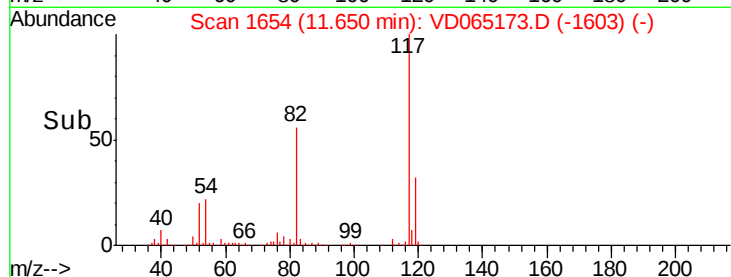
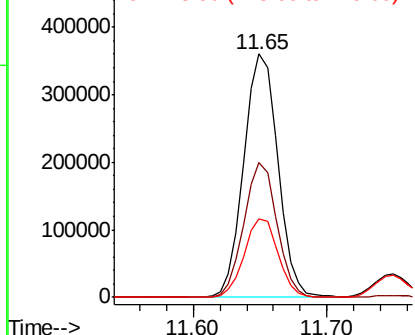
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:117 Resp: 636172  
Ion Ratio Lower Upper  
117 100  
82 55.5 43.1 64.7  
119 32.4 26.0 39.0

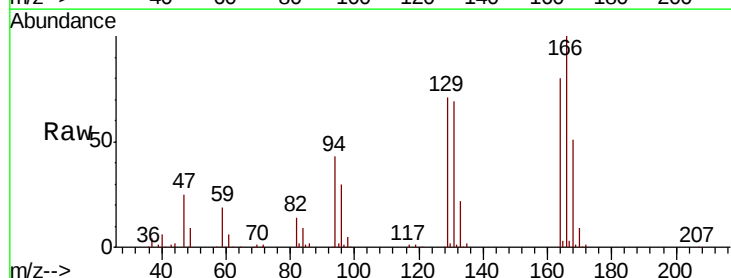


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VD  
Ion 118.90 (118.60 to 119.60): V

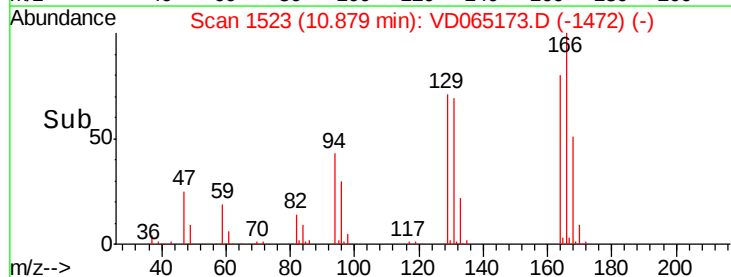
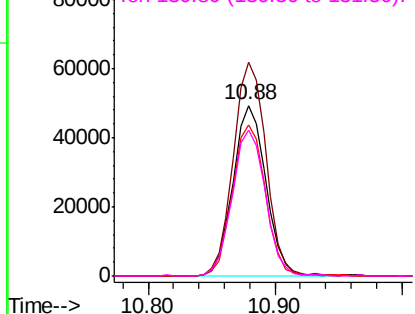


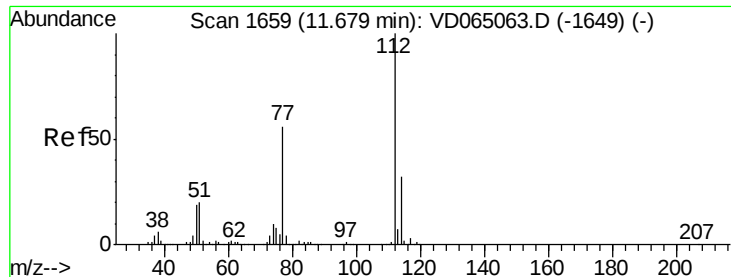
#64  
Tetrachloroethene  
Concen: 19.374 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion:164 Resp: 88562  
Ion Ratio Lower Upper  
164 100  
166 125.3 103.5 155.3  
129 88.6 73.3 109.9  
131 85.9 69.8 104.6



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

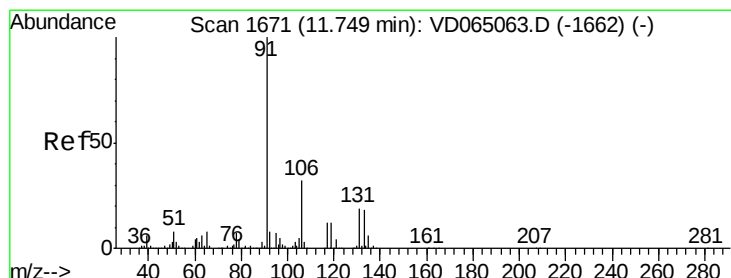
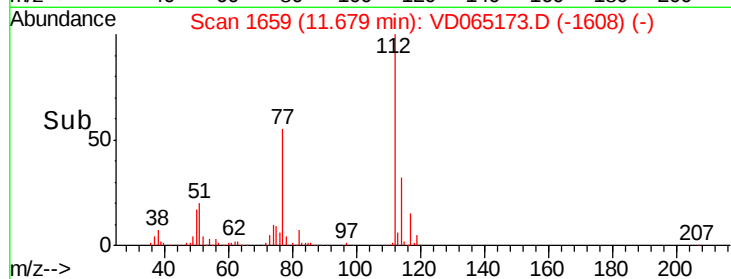
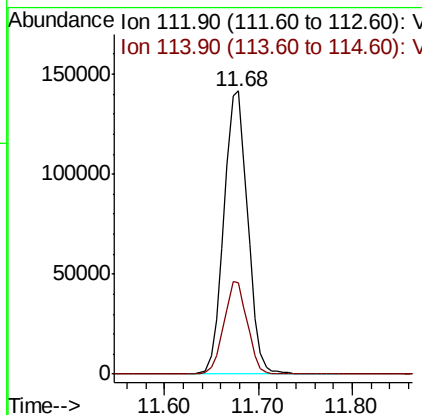
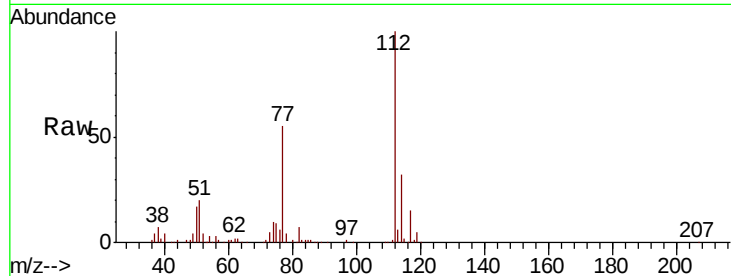




#65  
Chlorobenzene  
Concen: 20.275 ug/l  
RT: 11.68 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

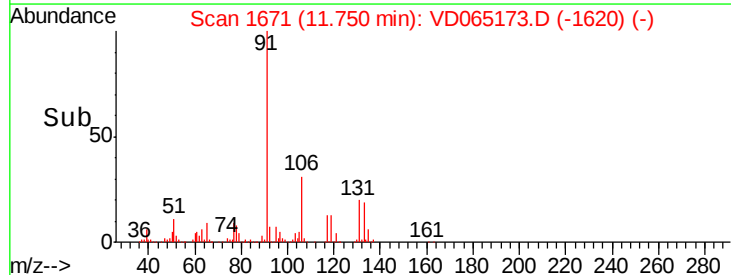
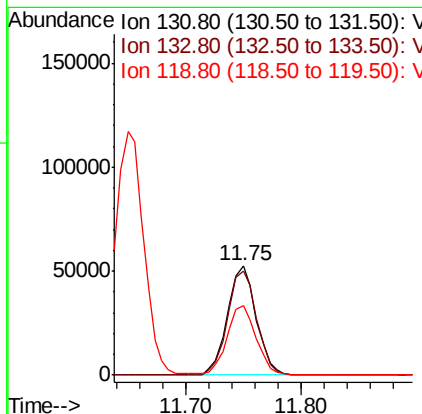
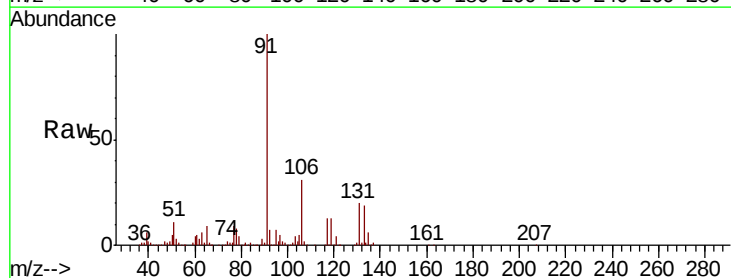
Instrument :  
MSVOA\_D  
ClientSampleId :

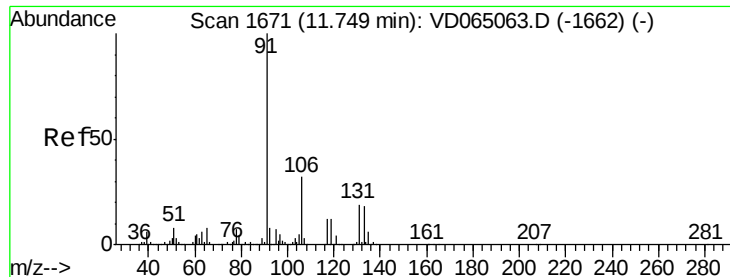
Tot Ion:112 Resp: 249477  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.036 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion:131 Resp: 90992  
Ion Ratio Lower Upper  
131 100  
133 96.5 47.7 143.1  
119 64.3 31.3 93.8

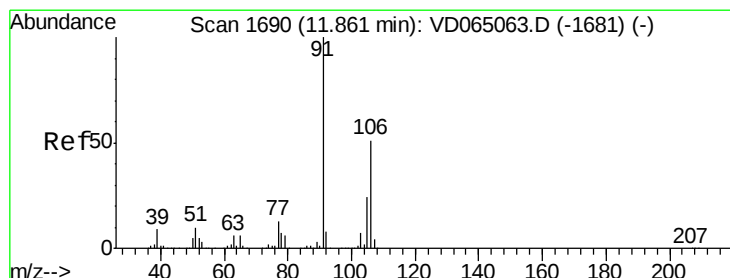
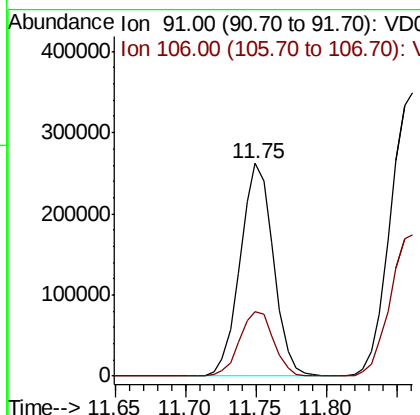
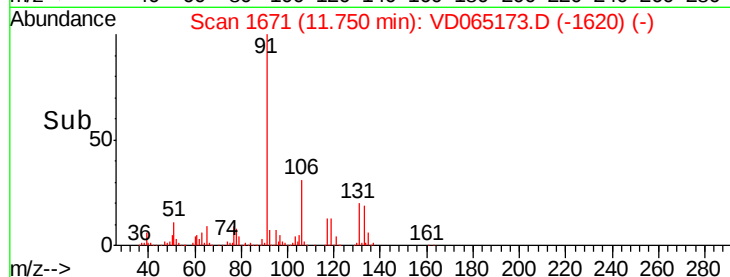
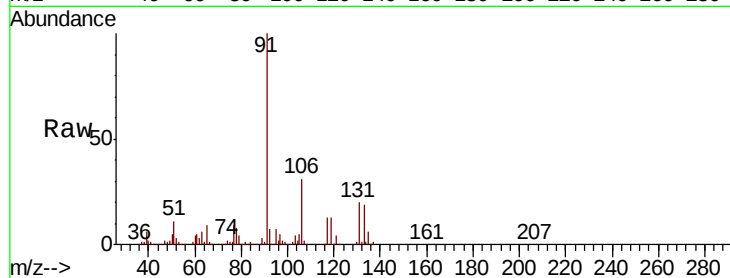




#67  
Ethyl Benzene  
Concen: 19.340 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

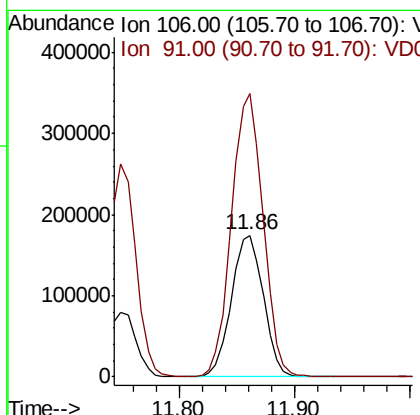
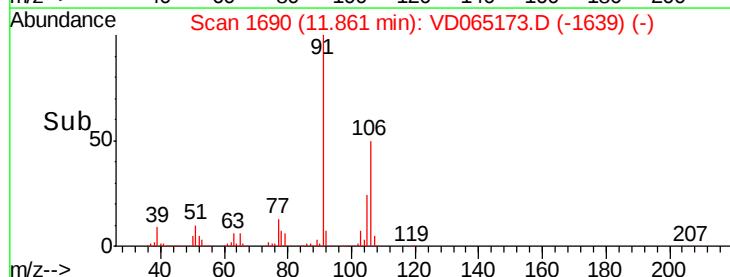
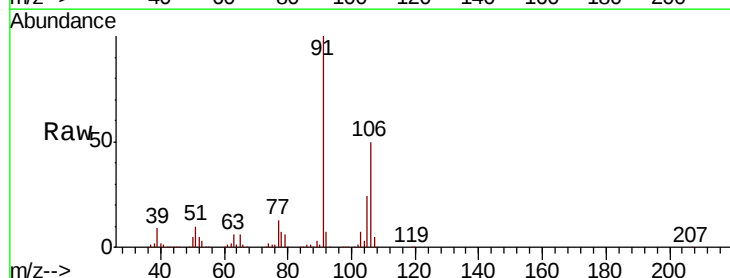
Instrument :  
MSVOA\_D  
ClientSampleId :

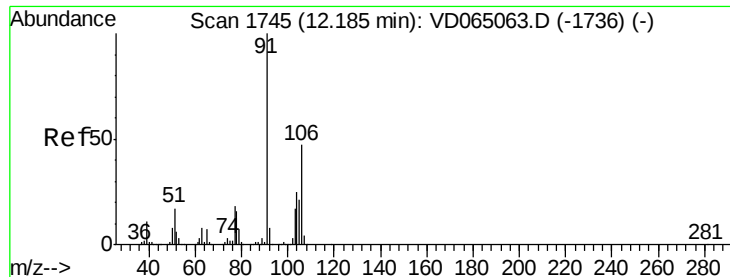
Tot Ion: 91 Resp: 432355  
Ion Ratio Lower Upper  
91 100  
106 30.6 25.4 38.2



#68  
m/p-Xylenes  
Concen: 39.282 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 106 Resp: 335162  
Ion Ratio Lower Upper  
106 100  
91 198.0 158.9 238.3

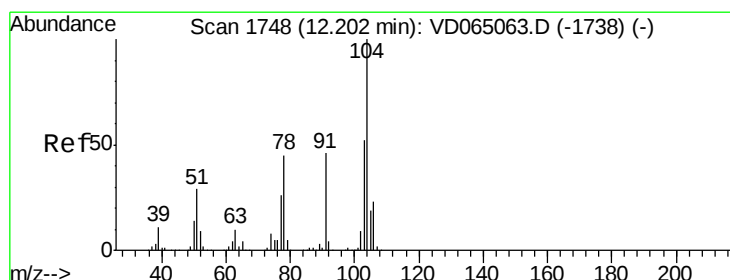
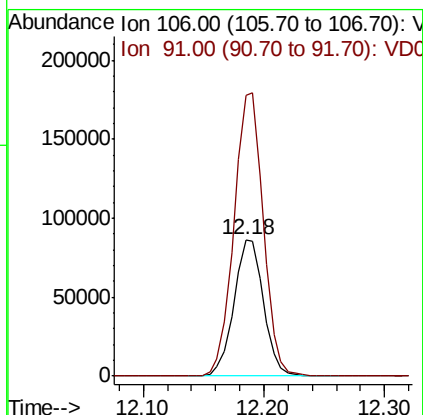
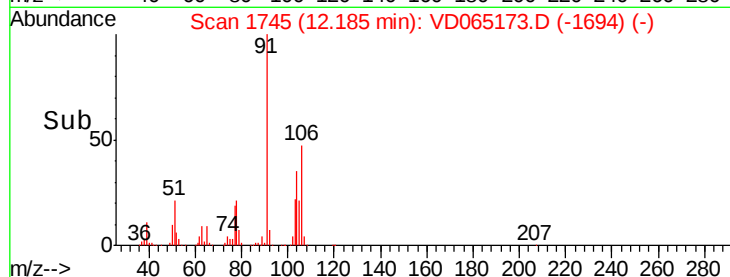
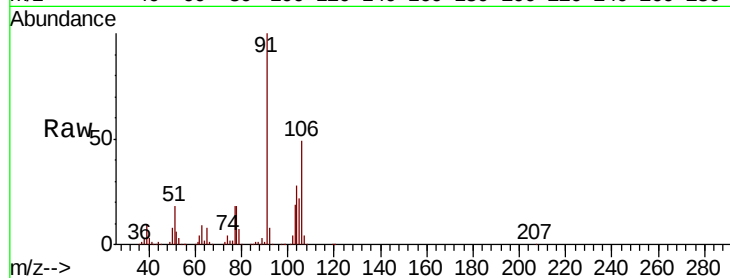




#69  
o-Xylene  
Concen: 19.173 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

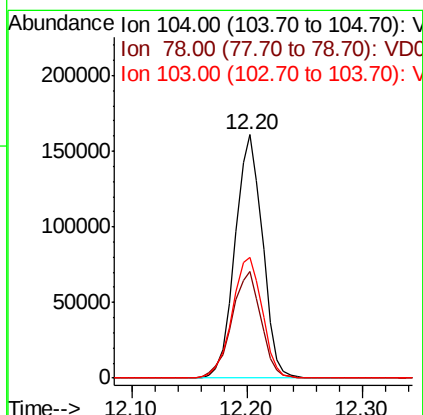
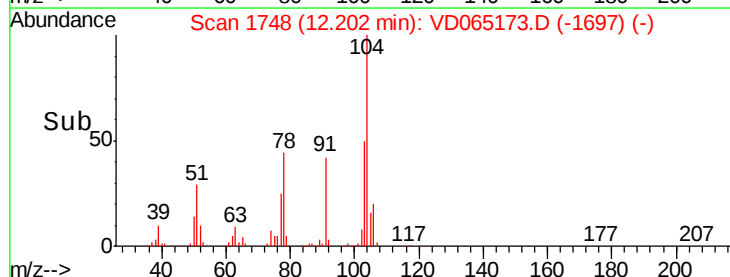
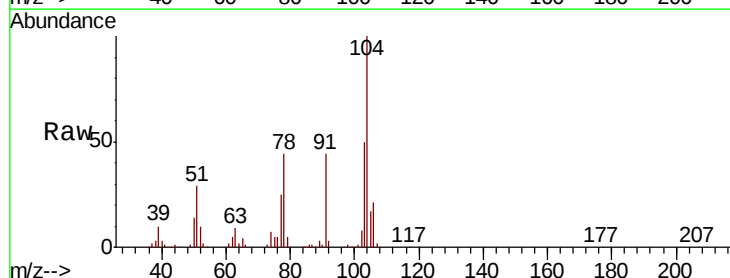
Instrument :  
MSVOA\_D  
ClientSampleId :

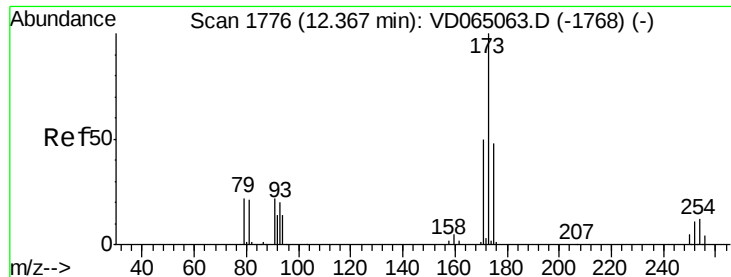
Tot Ion:106 Resp: 147313  
Ion Ratio Lower Upper  
106 100  
91 206.6 104.7 313.9



#70  
Styrene  
Concen: 19.784 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion:104 Resp: 264200  
Ion Ratio Lower Upper  
104 100  
78 47.1 38.5 57.7  
103 54.5 43.8 65.8





#71

Bromoform

Concen: 20.869 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

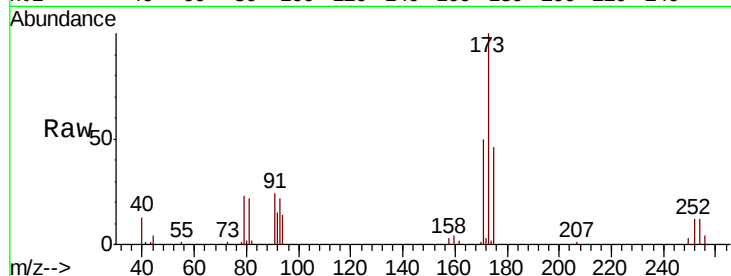
Tot Ion:173 Resp: 51011

Ion Ratio Lower Upper

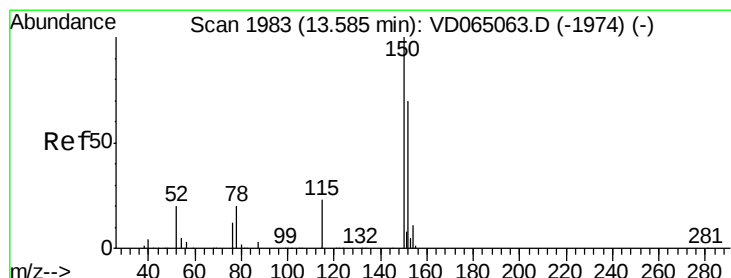
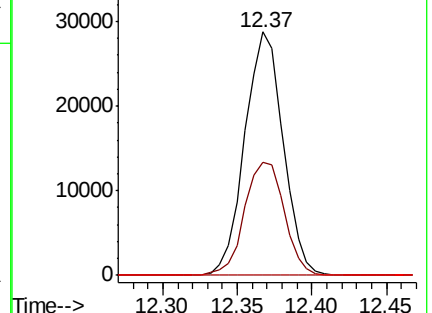
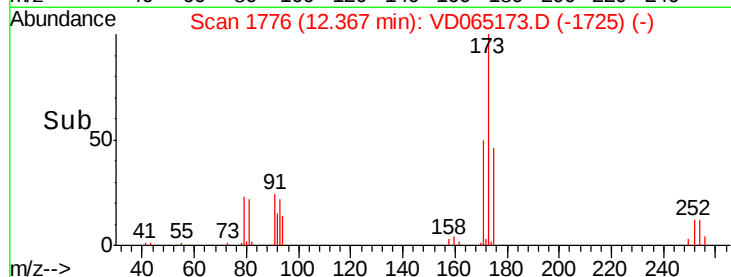
173 100

175 48.1 24.3 72.8

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

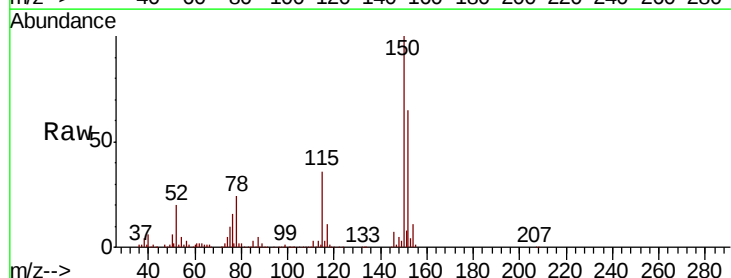
Tgt Ion:152 Resp: 316239

Ion Ratio Lower Upper

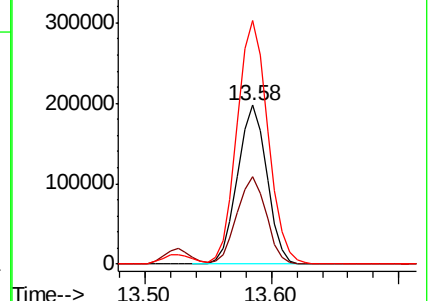
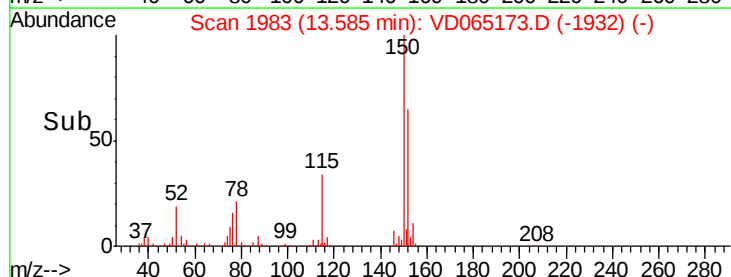
152 100

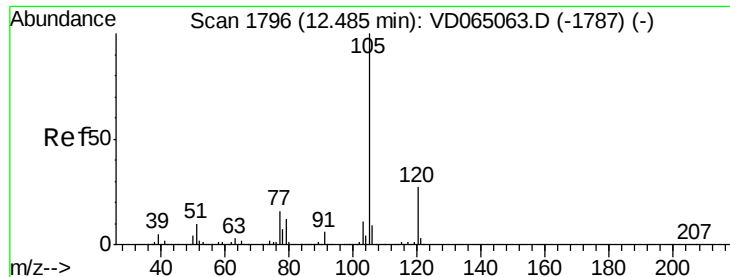
115 55.0 27.5 82.4

150 161.2 0.0 343.2



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

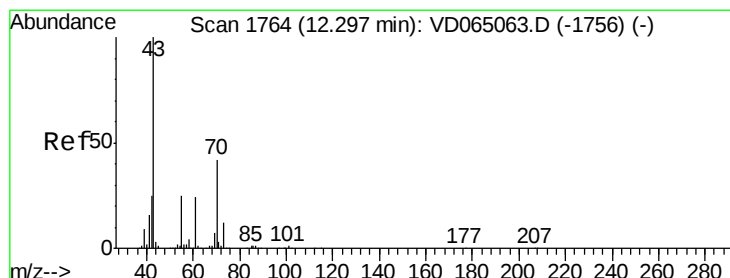
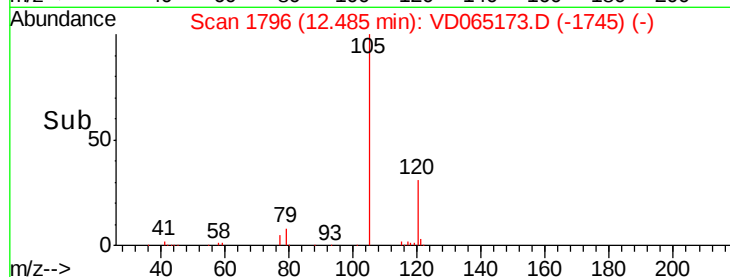
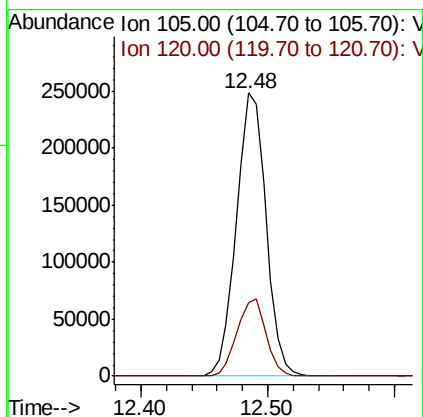
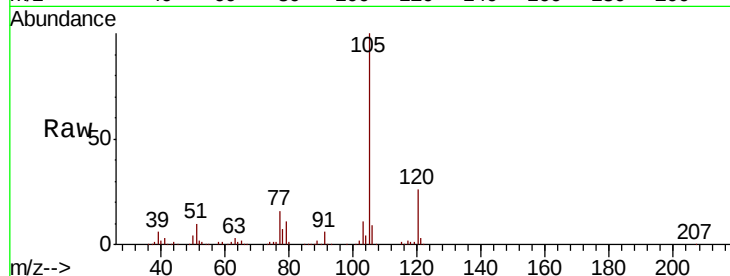




#73  
Isopropylbenzene  
Concen: 18.510 ug/l  
RT: 12.48 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

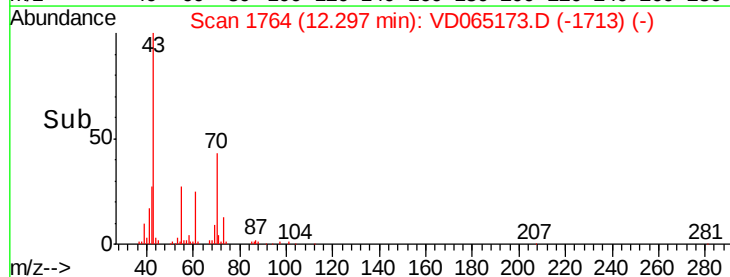
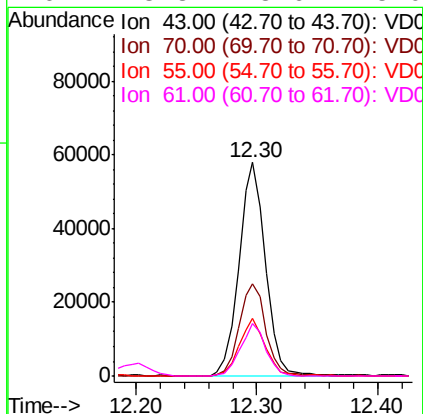
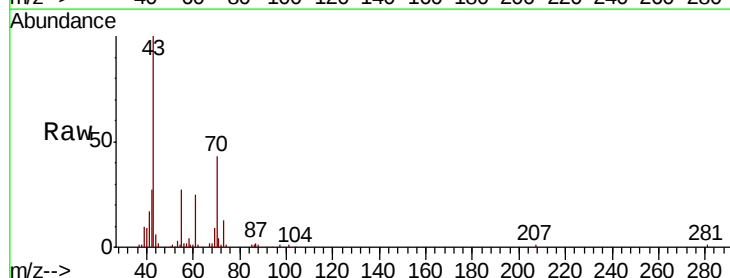
Instrument :  
MSVOA\_D  
ClientSampled :

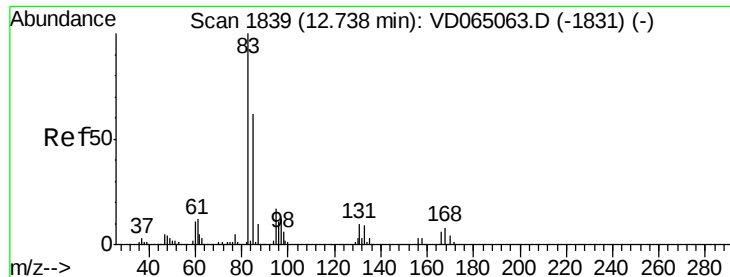
Tot Ion:105 Resp: 401768  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.3 39.9



#74  
N-ethyl acetate  
Concen: 18.761 ug/l  
RT: 12.30 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 43 Resp: 88512  
Ion Ratio Lower Upper  
43 100  
70 43.5 33.5 50.3  
55 26.4 19.4 29.2  
61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.039 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

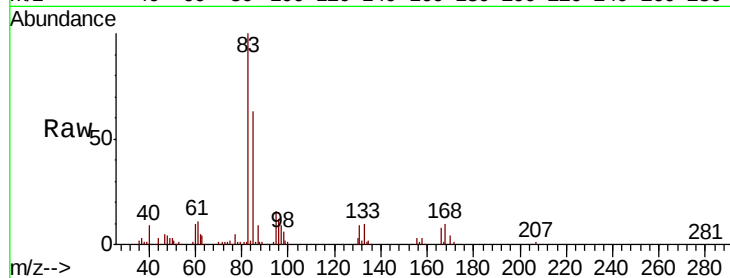
Tot Ion: 83 Resp: 75286

Ion Ratio Lower Upper

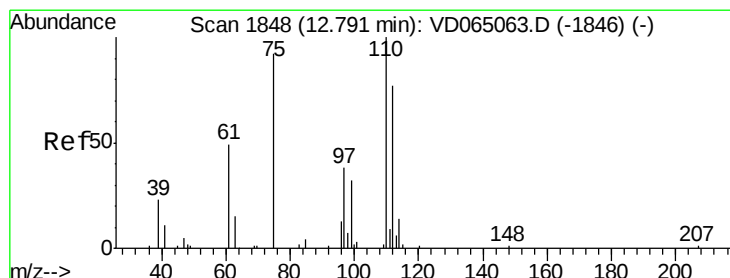
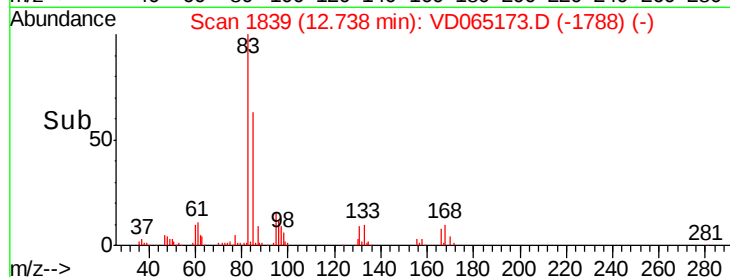
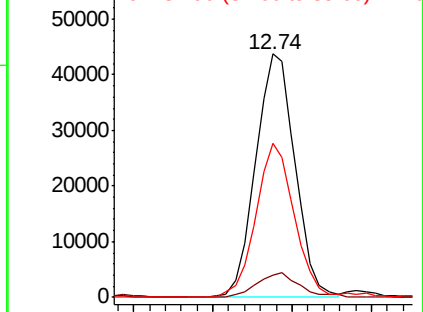
83 100

131 10.9 5.5 16.4

85 61.4 31.8 95.4



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



#76

1,2,3-Trichloropropane

Concen: 39.542 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065173.D

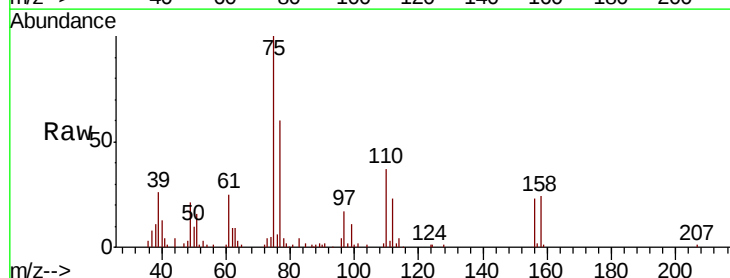
Acq: 13 Feb 2020 11:49

Tgt Ion: 75 Resp: 94674

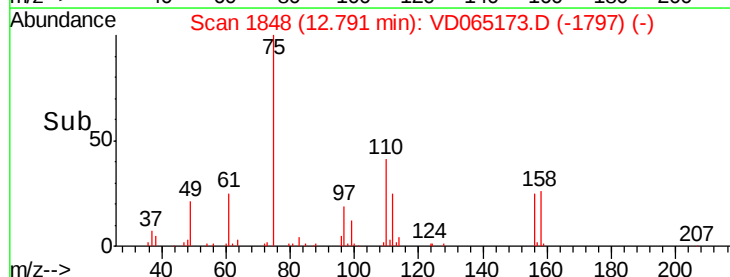
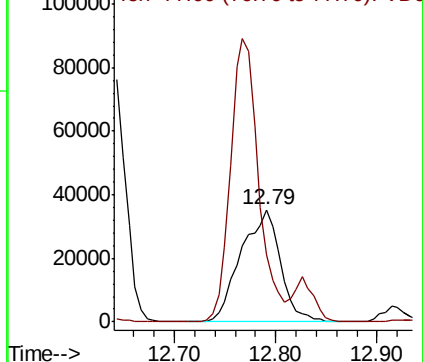
Ion Ratio Lower Upper

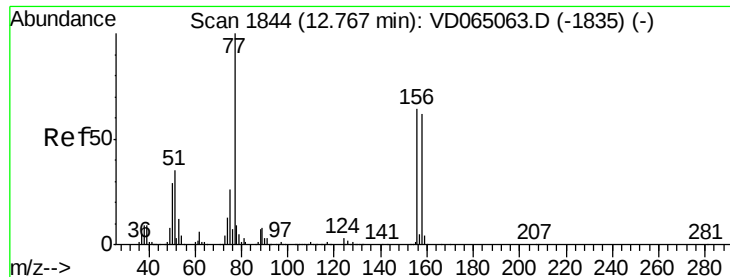
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.278 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampled :

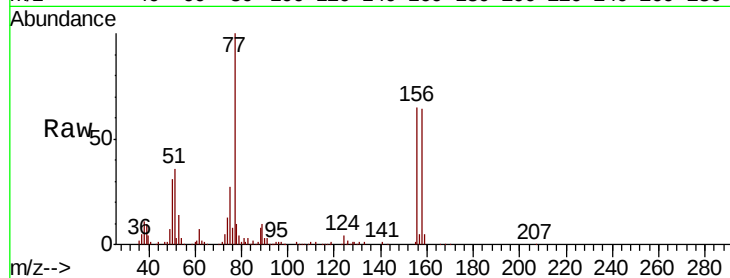
Tot Ion:156 Resp: 100816

Ion Ratio Lower Upper

156 100

77 170.0 85.6 256.8

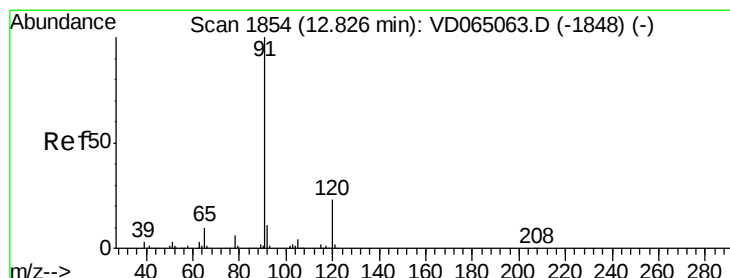
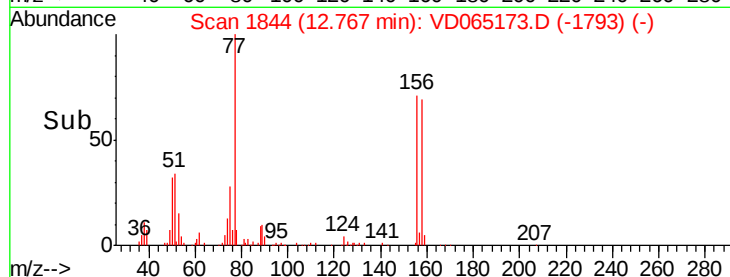
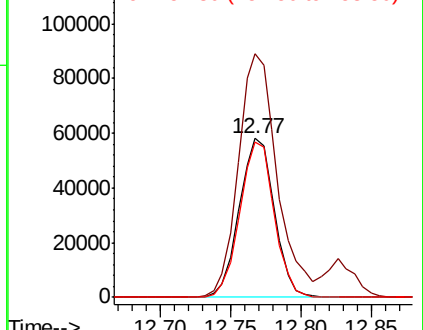
158 96.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.342 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065173.D

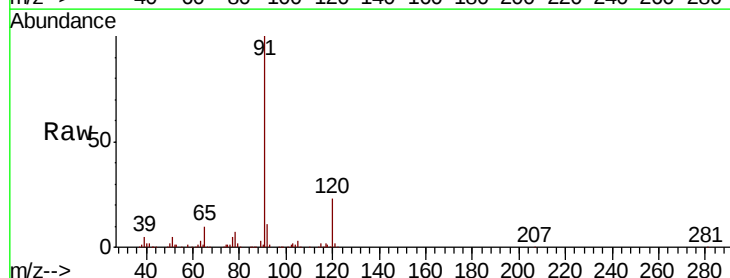
Acq: 13 Feb 2020 11:49

Tgt Ion: 91 Resp: 491650

Ion Ratio Lower Upper

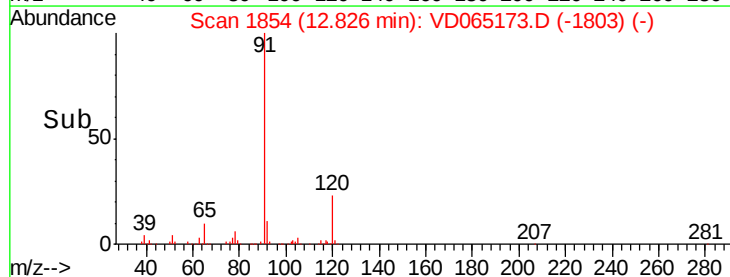
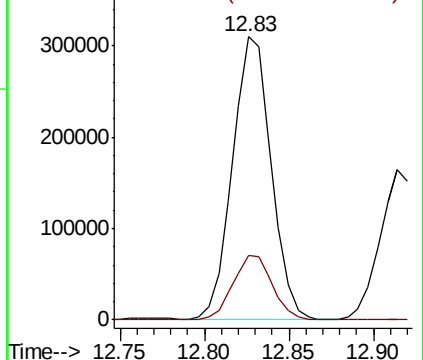
91 100

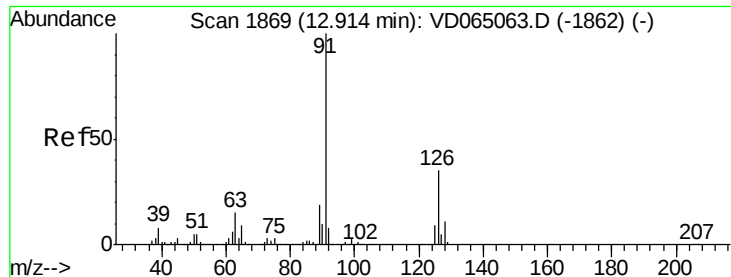
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

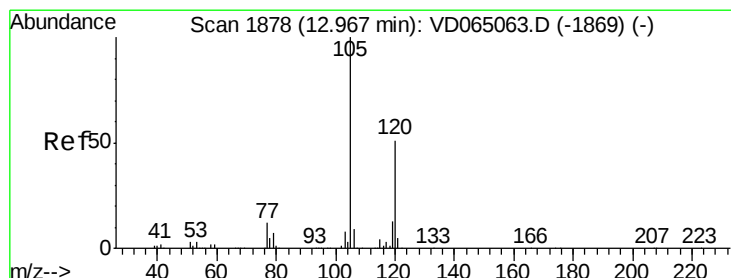
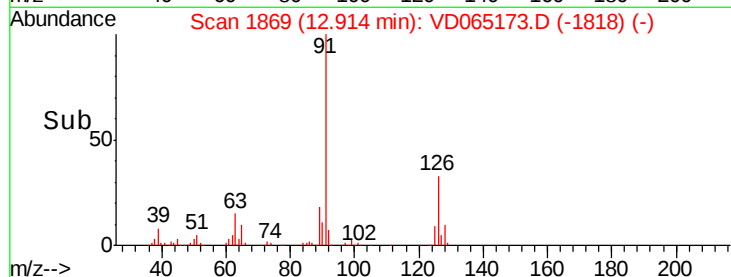
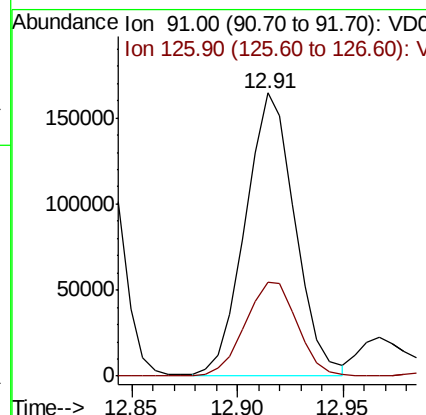
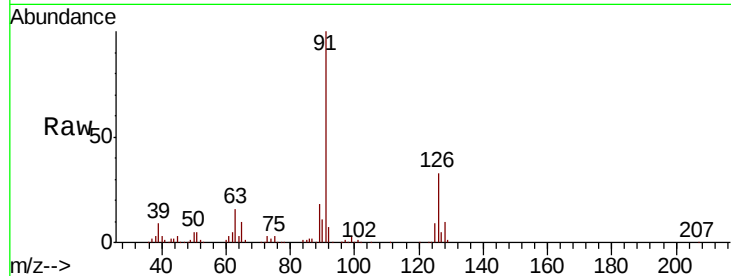




#79  
 2-Chlorotoluene  
 Concen: 18.924 ug/l  
 RT: 12.91 min Scan# 1869  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

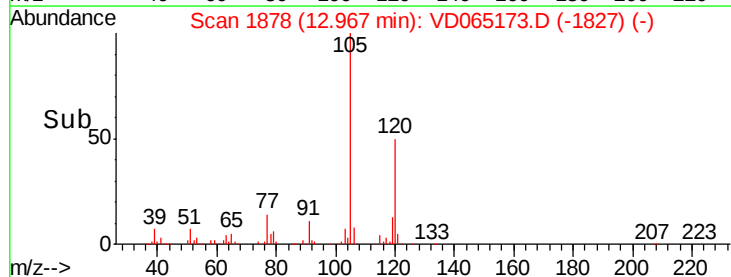
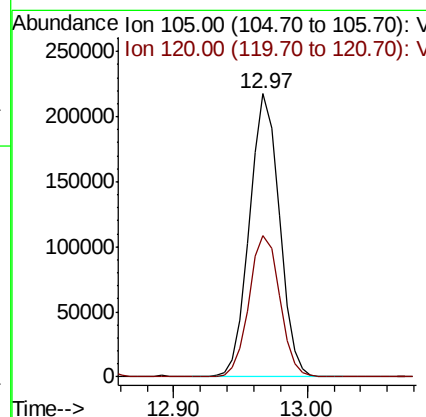
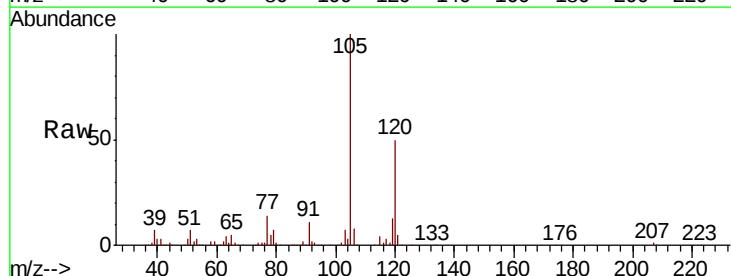
Instrument :  
 MSVOA\_D  
 ClientSampled :

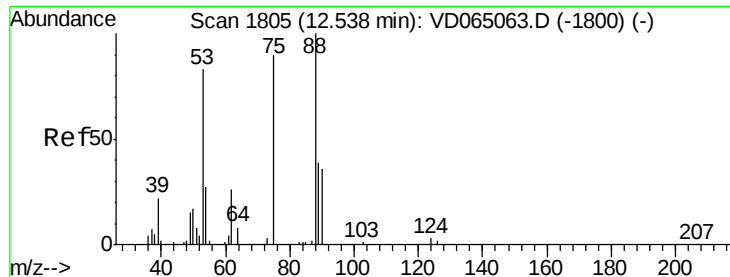
Tot Ion: 91 Resp: 268125  
 Ion Ratio Lower Upper  
 91 100  
 126 35.0 17.4 52.3



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.965 ug/l  
 RT: 12.97 min Scan# 1878  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Tgt Ion: 105 Resp: 336771  
 Ion Ratio Lower Upper  
 105 100  
 120 51.2 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.247 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

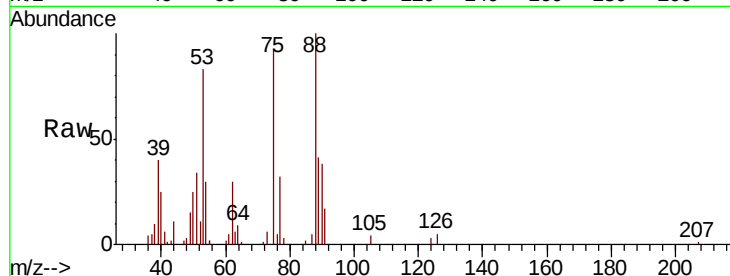
Tot Ion: 75 Resp: 24239

Ion Ratio Lower Upper

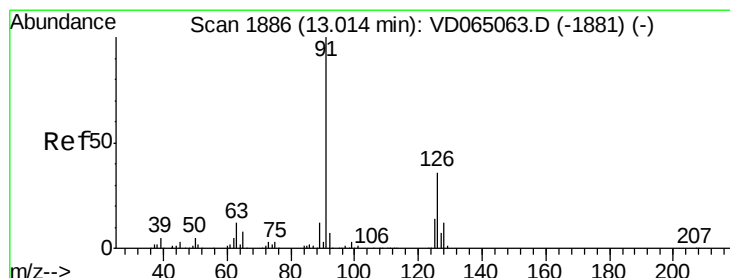
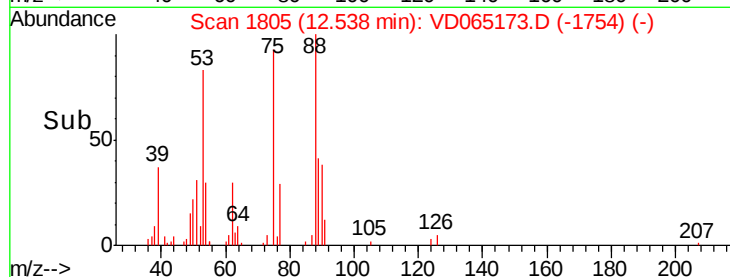
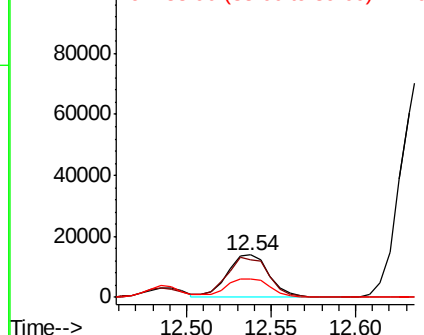
75 100

53 95.6 78.5 117.7

89 45.6 37.0 55.4



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: 19.357 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065173.D

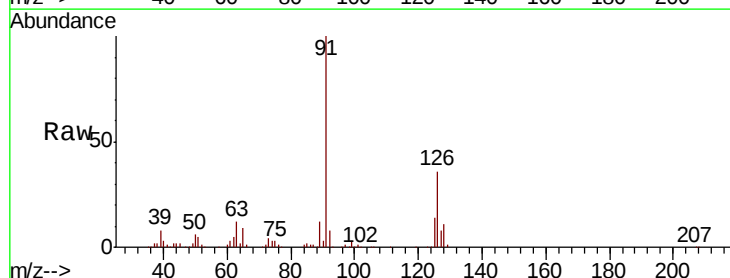
Acq: 13 Feb 2020 11:49

Tgt Ion: 91 Resp: 288051

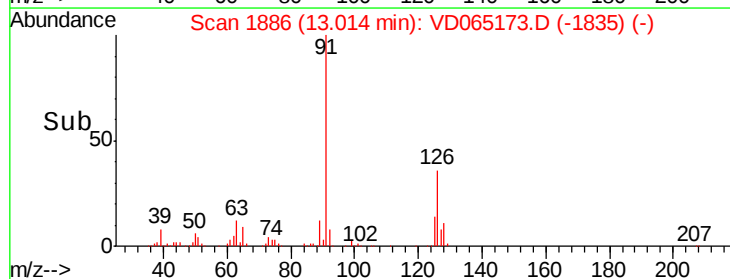
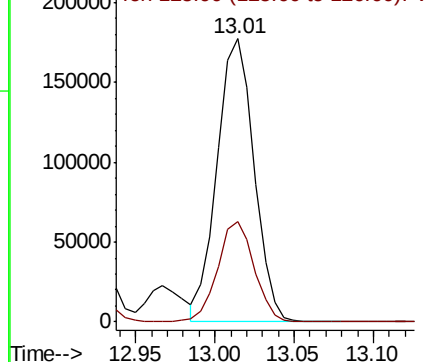
Ion Ratio Lower Upper

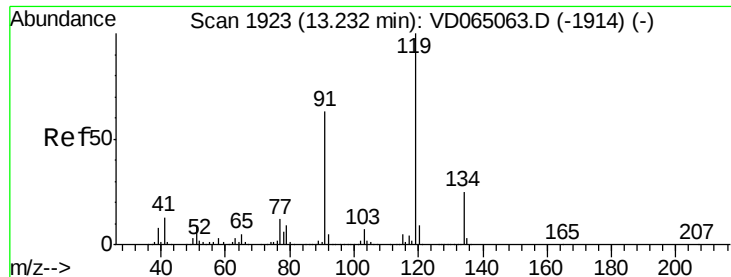
91 100

126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.90 (125.60 to 126.60): V

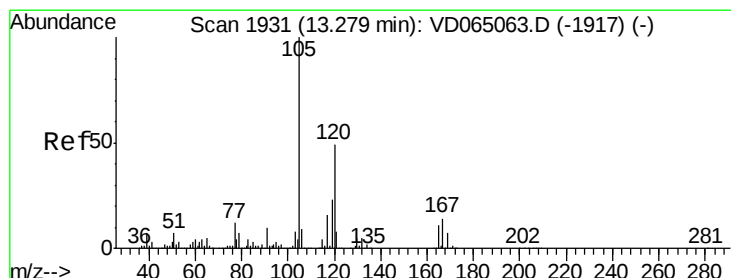
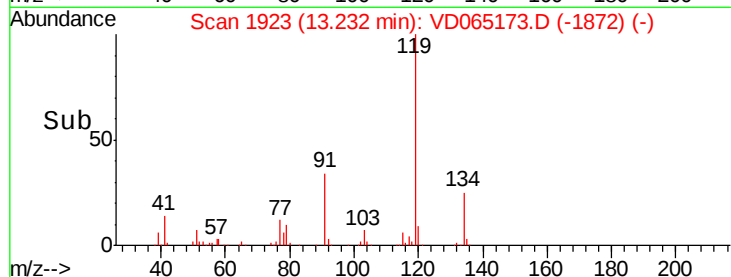
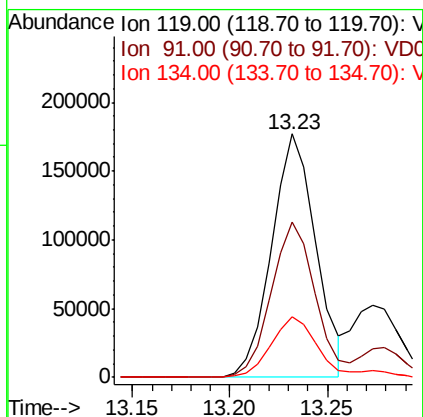
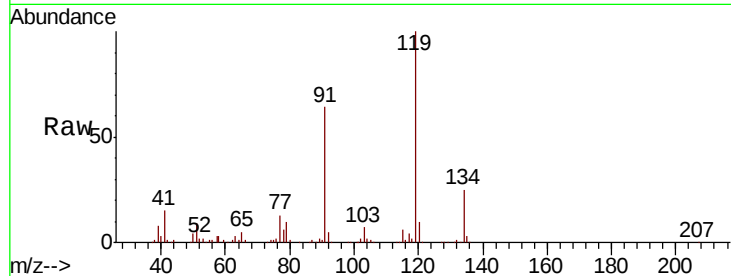




#83  
tert-Butylbenzene  
Concen: 18.112 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

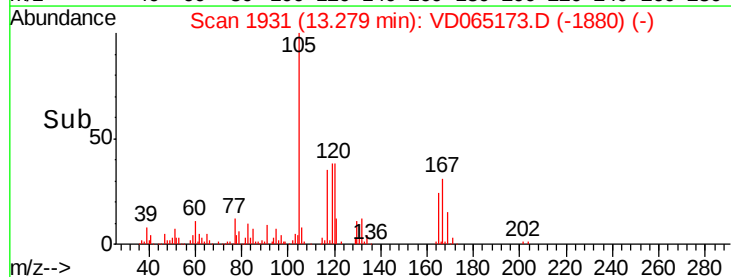
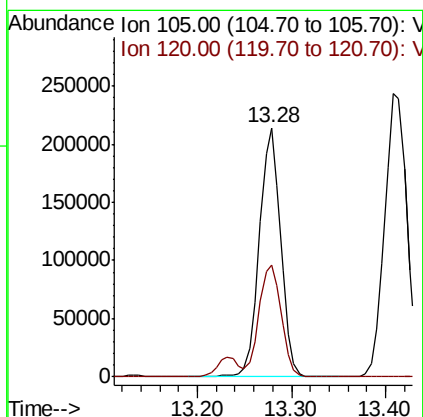
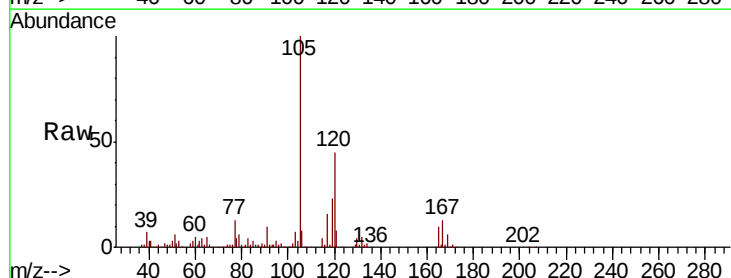
Instrument :  
MSVOA\_D  
ClientSampleId :

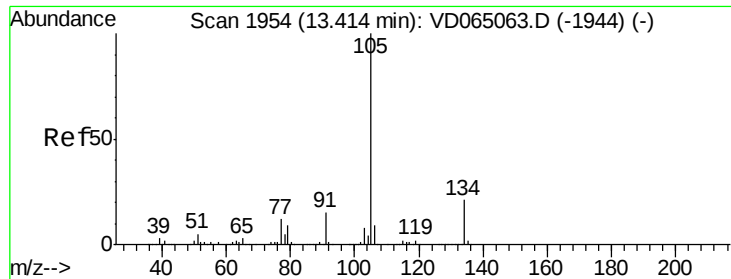
Tot Ion:119 Resp: 277478  
Ion Ratio Lower Upper  
119 100  
91 63.9 32.3 96.9  
134 27.5 13.8 41.3



#84  
1,2,4-Trimethylbenzene  
Concen: 19.040 ug/l  
RT: 13.28 min Scan# 1931  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion:105 Resp: 335664  
Ion Ratio Lower Upper  
105 100  
120 46.7 23.5 70.5

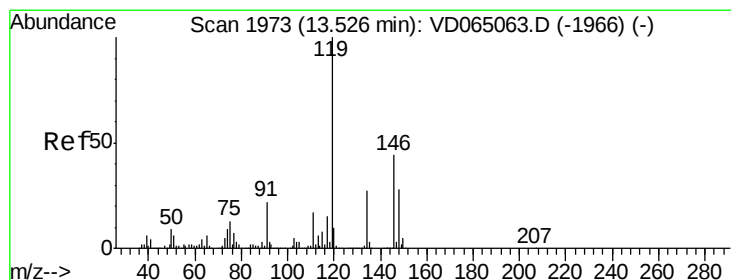
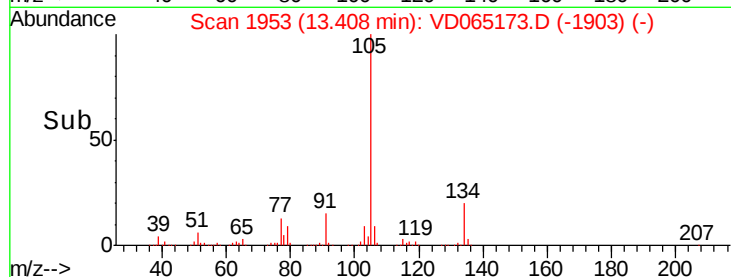
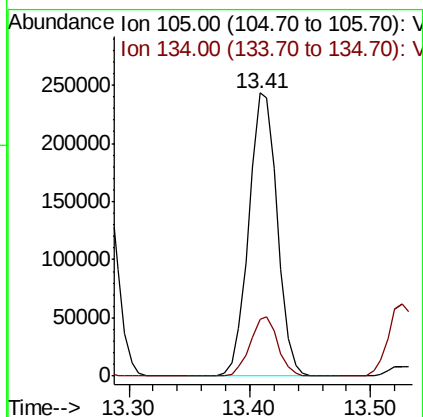
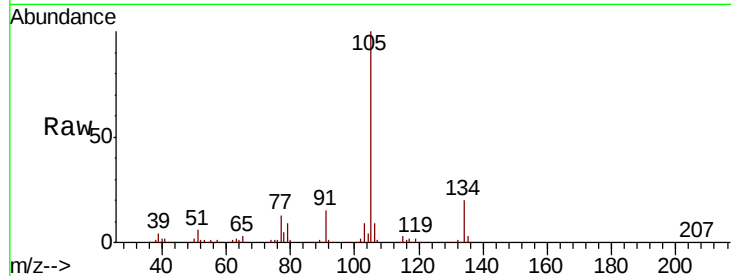




#85  
 sec-Butylbenzene  
 Concen: 19.071 ug/l  
 RT: 13.41 min Scan# 1953  
 Delta R.T. -0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

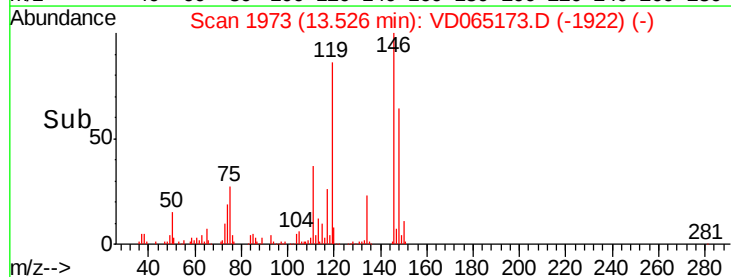
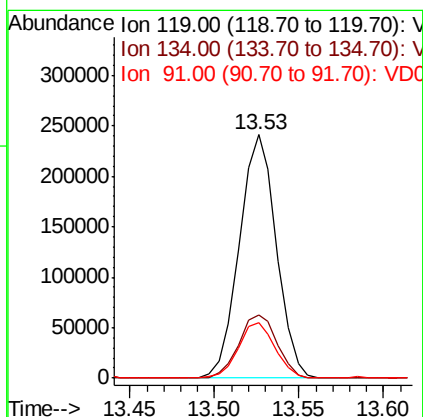
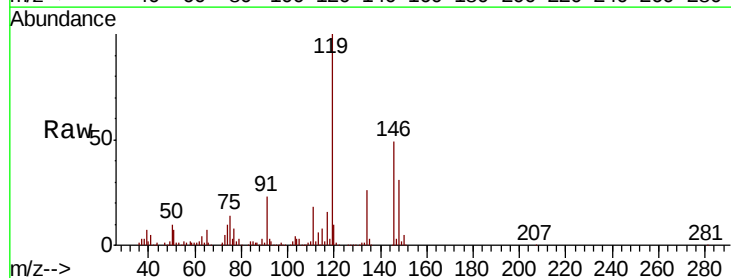
Instrument :  
 MSVOA\_D  
 ClientSampleId :

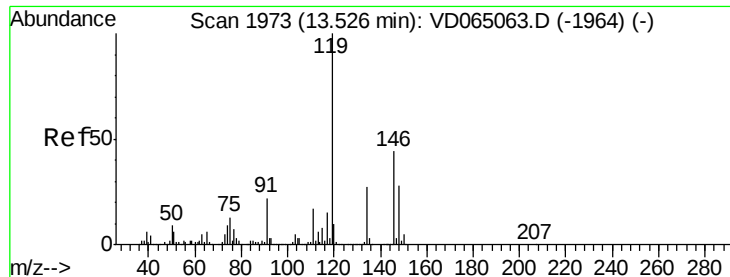
Tot Ion:105 Resp: 399044  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 18.836 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

Tgt Ion:119 Resp: 366179  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.5 40.5  
 91 22.9 11.3 33.9

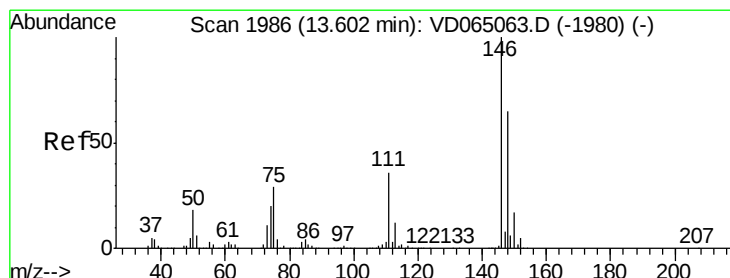
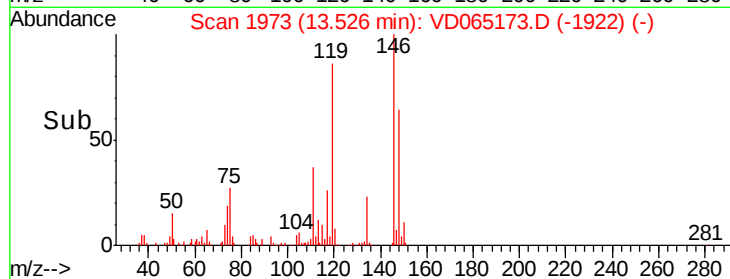
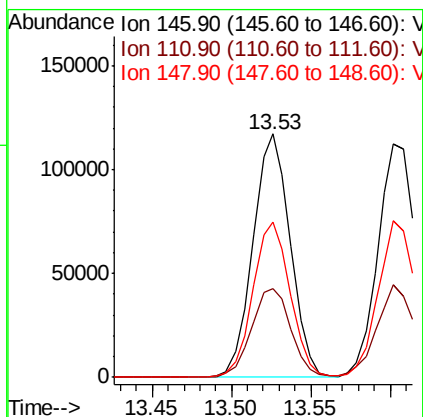
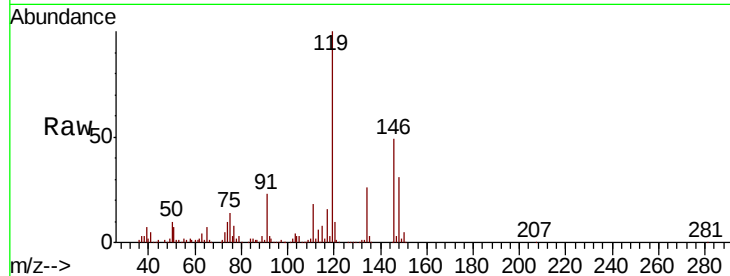




#87  
 1,3-Dichlorobenzene  
 Concen: 19.551 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

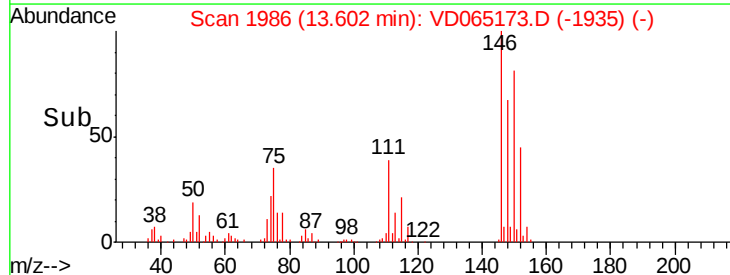
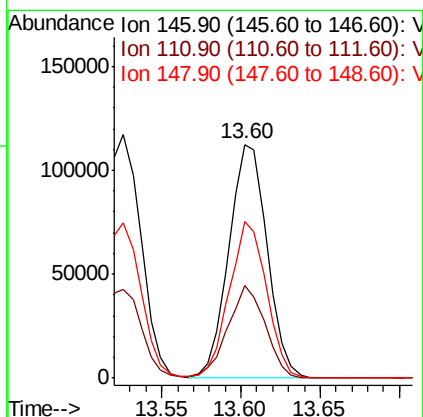
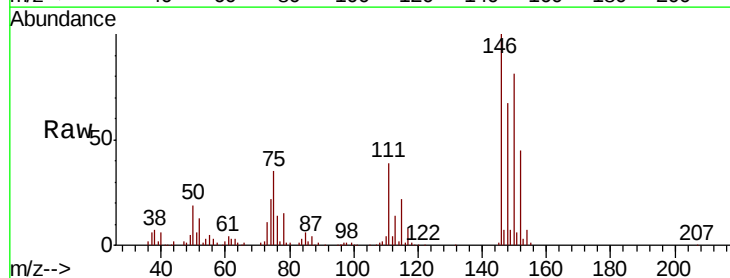
Instrument :  
 MSVOA\_D  
 ClientSampleId :

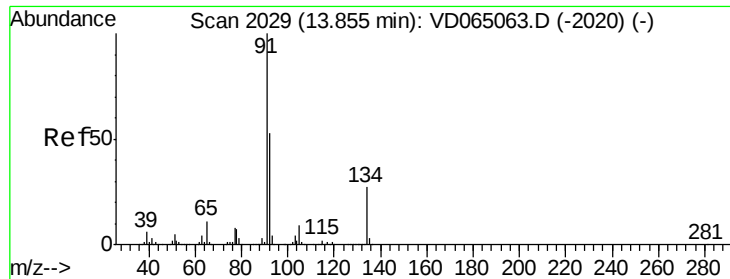
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 19.4  | 58.4  |
| 148     | 63.9  | 32.3  | 96.8  |



#88  
 1,4-Dichlorobenzene  
 Concen: 19.326 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 18.5  | 55.5  |
| 148     | 65.5  | 32.7  | 98.1  |

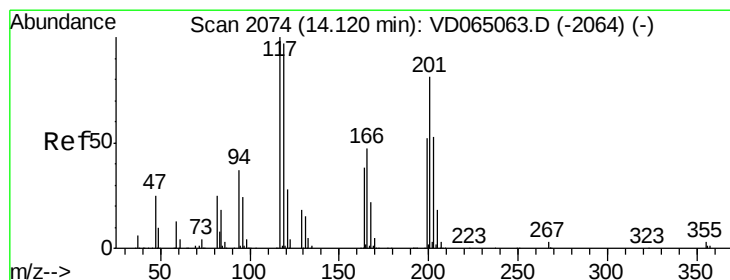
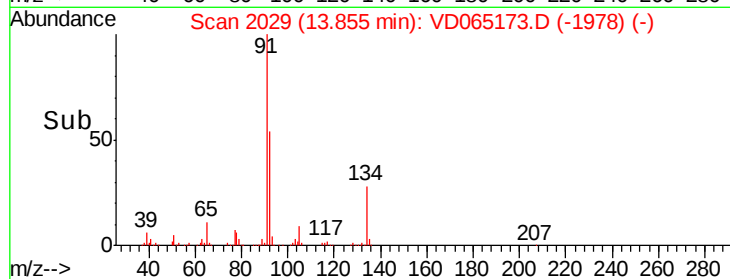
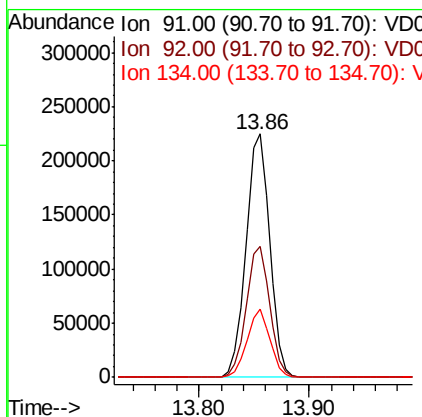
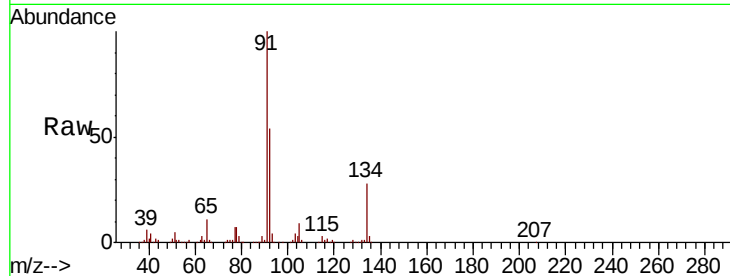




#89  
n-Butylbenzene  
Concen: 18.969 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

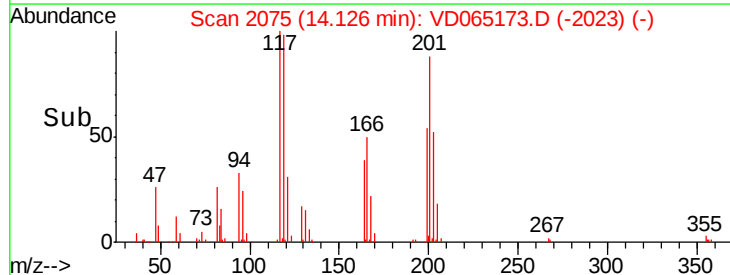
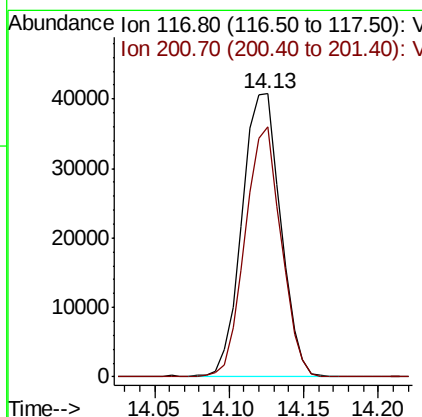
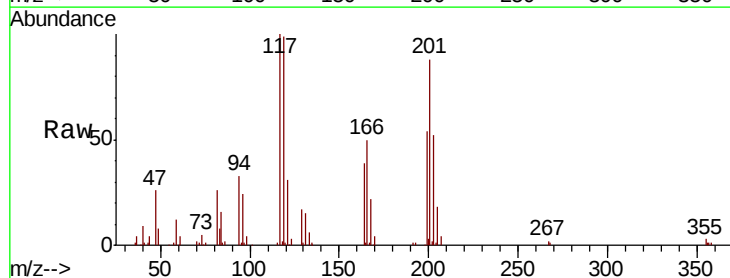
Instrument :  
MSVOA\_D  
ClientSampleId :

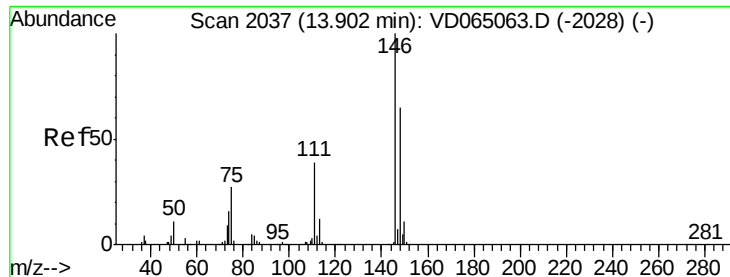
Tot Ion: 91 Resp: 340379  
Ion Ratio Lower Upper  
91 100  
92 53.1 26.7 80.1  
134 26.9 13.4 40.2



#90  
Hexachloroethane  
Concen: 19.868 ug/l  
RT: 14.13 min Scan# 2075  
Delta R.T. 0.01 min  
Lab File: VD065173.D  
Acq: 13 Feb 2020 11:49

Tgt Ion: 117 Resp: 73138  
Ion Ratio Lower Upper  
117 100  
201 82.3 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 19.498 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

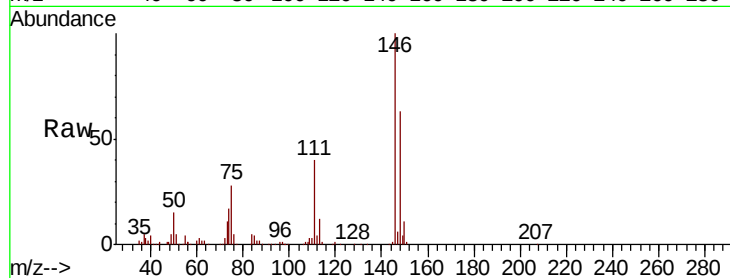
Tot Ion:146 Resp: 163525

Ion Ratio Lower Upper

146 100

111 40.8 19.7 59.1

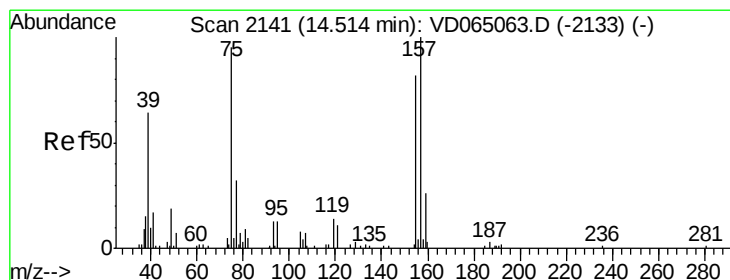
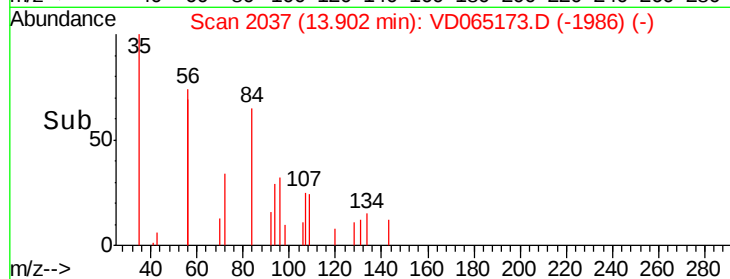
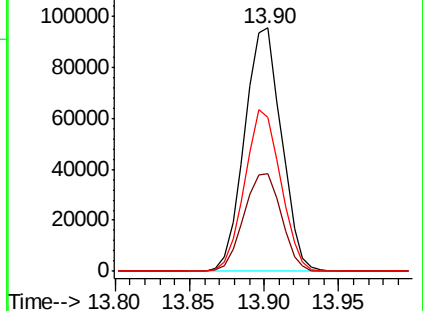
148 64.8 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.179 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

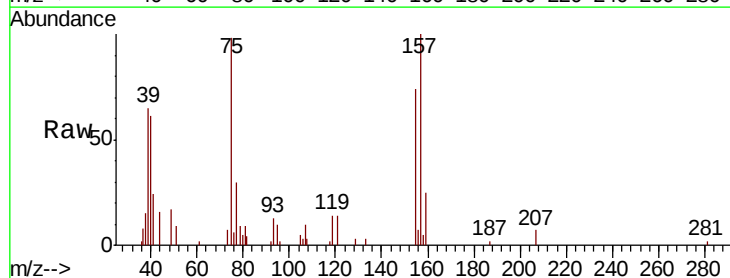
Tgt Ion: 75 Resp: 11253

Ion Ratio Lower Upper

75 100

155 91.2 43.4 130.1

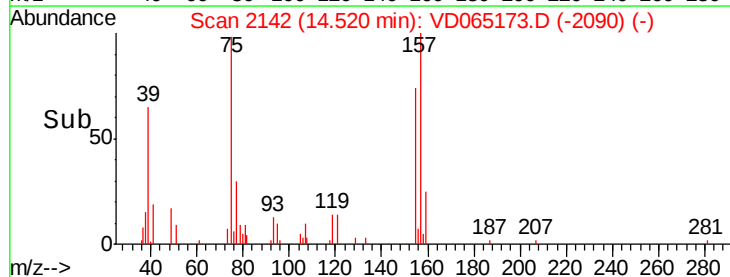
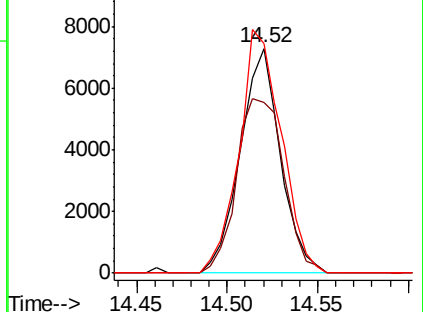
157 113.1 55.8 167.3

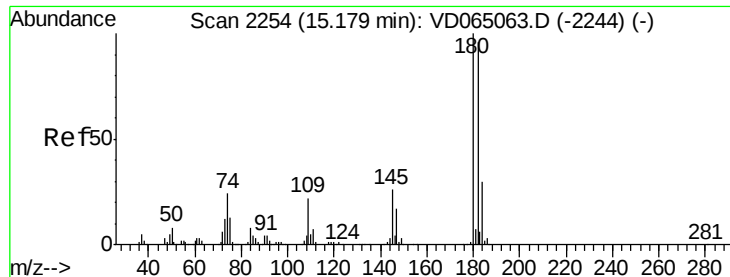


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

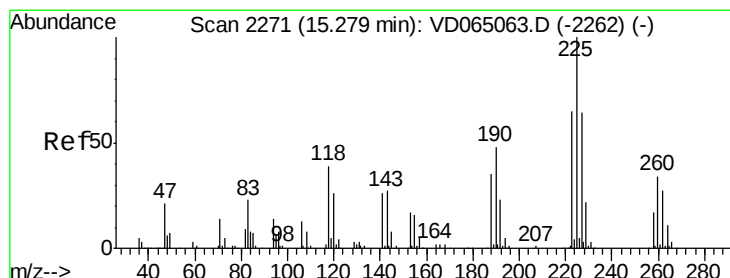
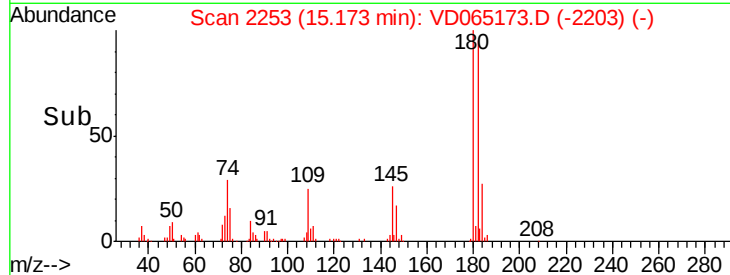
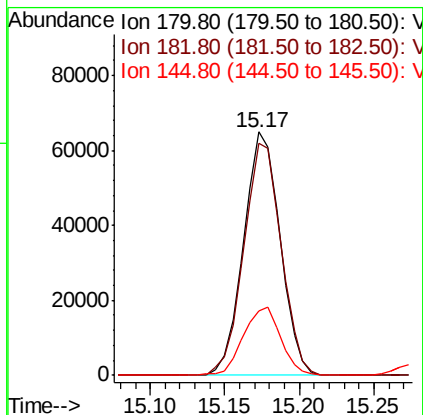
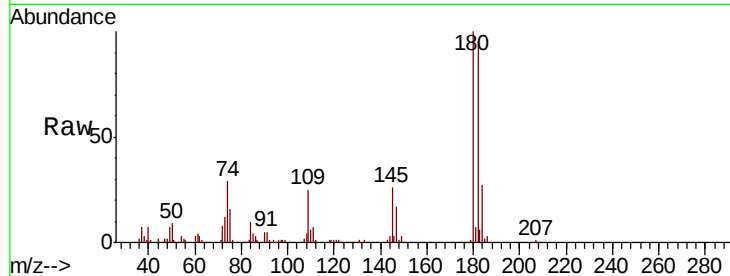




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.339 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

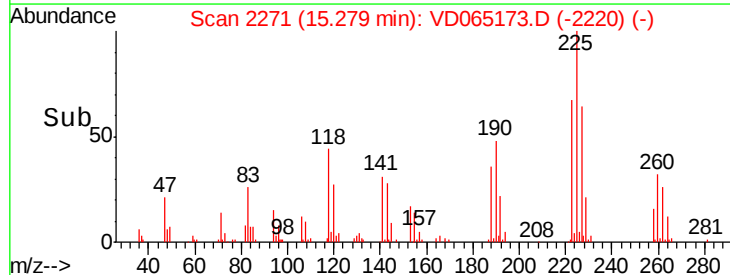
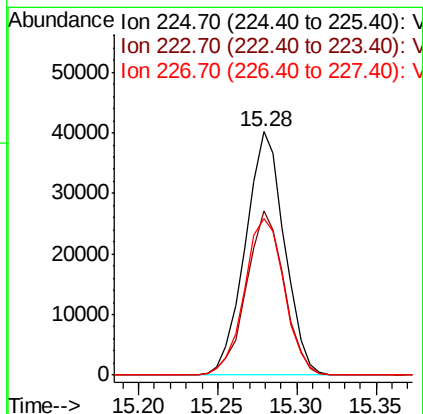
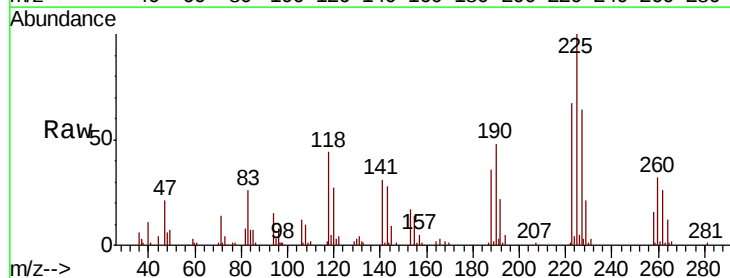
Instrument :  
 MSVOA\_D  
 ClientSampleId :

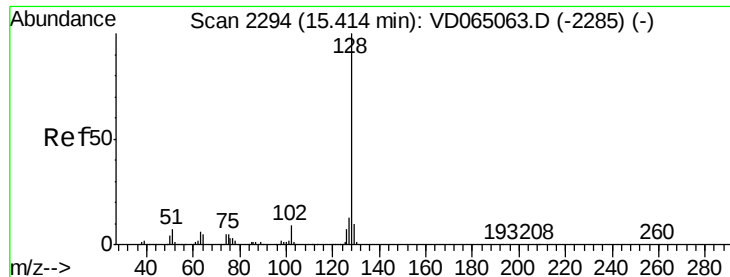
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.6  | 47.4  | 142.3 |
| 145     | 28.7  | 14.1  | 42.4  |



#94  
 Hexachlorobutadiene  
 Concen: 18.681 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD065173.D  
 Acq: 13 Feb 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.1  | 31.4  | 94.0  |
| 227     | 65.6  | 31.8  | 95.3  |





#95

Naphthalene

Concen: 17.862 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA\_D

ClientSampleId :

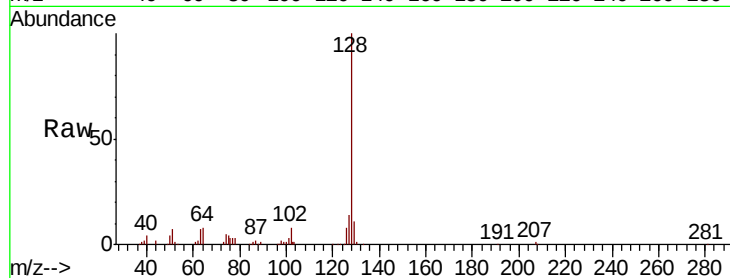
Tot Ion:128 Resp: 177956

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

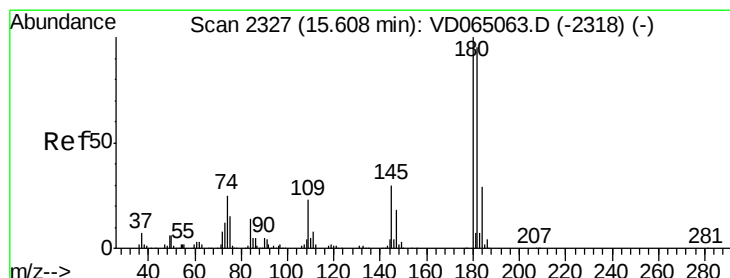
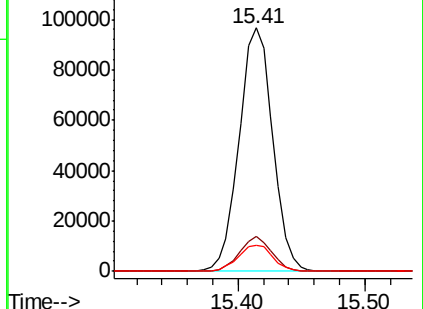
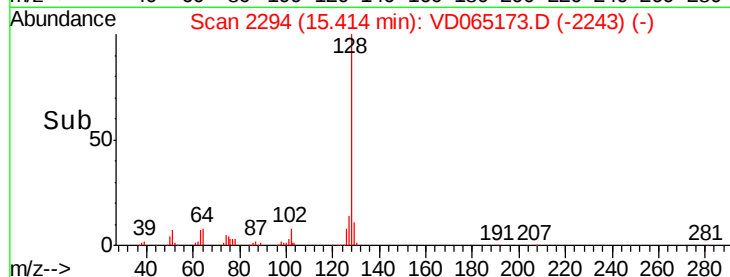
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.278 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

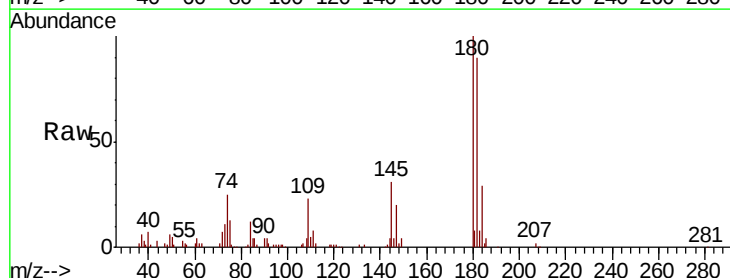
Tgt Ion:180 Resp: 98843

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.4

145 29.8 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

