

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\  
 Data File : VD059943.D  
 Acq On : 4 Sep 2018 14:14  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Sep 05 03:49:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.38  | 168  | 1251578  | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 7.42  | 114  | 1705231  | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 11.27 | 117  | 1425930  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 775625   | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.76  | 65   | 508725   | 48.23  | ug/l    | -0.03    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 96.46%  |          |
| 35) Dibromofluoromethane    | 6.30  | 113  | 678106   | 50.72  | ug/l    | -0.03    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.44% |          |
| 50) Toluene-d8              | 9.44  | 98   | 1873389  | 50.49  | ug/l    | -0.02    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.98% |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 755495   | 50.13  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.26% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.57 | 85   | 477069   | 42.64  | ug/l  | 99     |
| 3) Chloromethane              | 1.73 | 50   | 404914   | 39.95  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.82 | 62   | 361539   | 45.49  | ug/l  | 100    |
| 5) Bromomethane               | 2.12 | 94   | 54595    | 39.79  | ug/l  | 87     |
| 6) Chloroethane               | 2.22 | 64   | 109215   | 40.54  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 2.47 | 101  | 431239   | 46.91  | ug/l  | 97     |
| 8) Diethyl Ether              | 2.80 | 74   | 98218    | 47.62  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.05 | 101  | 288148   | 51.18  | ug/l  | 95     |
| 10) Methyl Iodide             | 3.21 | 142  | 269920   | 45.35  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.95 | 59   | 213891   | 265.73 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.03 | 96   | 214996   | 49.05  | ug/l  | 98     |
| 13) Acrolein                  | 2.95 | 56   | 79153    | 226.73 | ug/l  | 88     |
| 14) Allyl chloride            | 3.49 | 41   | 506358   | 51.06  | ug/l  | 97     |
| 15) Acrylonitrile             | 4.05 | 53   | 775674   | 257.34 | ug/l  | 99     |
| 16) Acetone                   | 3.13 | 43   | 555265   | 288.92 | ug/l  | 99     |
| 17) Carbon Disulfide          | 3.28 | 76   | 610396   | 44.86  | ug/l  | 99     |
| 18) Methyl Acetate            | 3.52 | 43   | 228703   | 57.00  | ug/l  | 97     |
| 19) Methyl tert-butyl Ether   | 4.08 | 73   | 1211193  | 48.85  | ug/l  | 99     |
| 20) Methylene Chloride        | 3.68 | 84   | 743971   | 58.64  | ug/l  | 96     |
| 21) trans-1,2-Dichloroethene  | 4.05 | 96   | 593372   | 49.13  | ug/l  | 100    |
| 22) Diisopropyl ether         | 4.82 | 45   | 2482896  | 49.10  | ug/l  | 98     |
| 23) Vinyl Acetate             | 4.77 | 43   | 7175850  | 253.83 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 4.71 | 63   | 1081632  | 49.51  | ug/l  | 100    |
| 25) 2-Butanone                | 5.59 | 43   | 1532913  | 269.31 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 5.55 | 77   | 858342   | 47.00  | ug/l  | 97     |
| 27) cis-1,2-Dichloroethene    | 5.56 | 96   | 657635   | 49.73  | ug/l  | 97     |
| 28) Bromochloromethane        | 5.90 | 49   | 509086   | 48.62  | ug/l  | 90     |
| 29) Tetrahydrofuran           | 5.92 | 42   | 710238   | 262.10 | ug/l  | 98     |
| 30) Chloroform                | 6.07 | 83   | 1105594  | 49.79  | ug/l  | 99     |
| 31) Cyclohexane               | 6.34 | 56   | 873970   | 43.51  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 6.26 | 97   | 926191   | 49.15  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 6.50 | 75   | 786839   | 50.90  | ug/l  | 99     |
| 37) Ethyl Acetate             | 5.67 | 43   | 601829   | 50.03  | ug/l  | 95     |
| 38) Carbon Tetrachloride      | 6.47 | 117  | 771903   | 49.48  | ug/l  | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\  
 Data File : VD059943.D  
 Acq On : 4 Sep 2018 14:14  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Sep 05 03:49:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 8.01  | 83   | 823729   | 49.32   | ug/l   | 98       |
| 40) Benzene                    | 6.76  | 78   | 2053158  | 51.08   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.92  | 41   | 711882   | 117.49  | ug/l # | 77       |
| 42) 1,2-Dichloroethane         | 6.87  | 62   | 634648   | 49.19   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.33  | 43   | 828358   | 52.93   | ug/l # | 100      |
| 44) Trichloroethene            | 7.72  | 130  | 623805   | 52.71   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.08  | 63   | 576917   | 51.35   | ug/l   | 97       |
| 46) Dibromomethane             | 8.19  | 93   | 380577   | 52.68   | ug/l   | 99       |
| 47) Bromodichloromethane       | 8.46  | 83   | 836050   | 51.12   | ug/l   | 99       |
| 48) Methyl methacrylate        | 8.23  | 41   | 462023   | 50.65   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 8.21  | 88   | 92893    | 1140.59 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.33  | 43   | 3297978  | 282.68  | ug/l   | 99       |
| 52) Toluene                    | 9.53  | 92   | 1325251  | 51.42   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.90  | 75   | 775385   | 51.26   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.08  | 75   | 893088   | 50.92   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.17 | 97   | 465462   | 49.41   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.02 | 69   | 564511   | 51.92   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.36 | 76   | 713051   | 52.29   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.91  | 63   | 1446870  | 277.39  | ug/l   | 94       |
| 59) 2-Hexanone                 | 10.47 | 43   | 2420121  | 281.24  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.63 | 129  | 615431   | 51.97   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.75 | 107  | 495217   | 51.99   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.24 | 164  | 566184   | 51.35   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.30 | 112  | 1505500  | 53.13   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.41 | 131  | 539914   | 52.15   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.42 | 91   | 2431047  | 51.00   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.55 | 106  | 1794577  | 103.39  | ug/l   | 99       |
| 69) o-Xylene                   | 11.93 | 106  | 900001   | 53.02   | ug/l   | 97       |
| 70) Styrene                    | 11.95 | 104  | 1547076  | 52.63   | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 477164   | 53.27   | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.26 | 105  | 2469866  | 49.88   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.12 | 43   | 1046946  | 48.29   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83   | 591337   | 51.63   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.59 | 75   | 615126   | 51.03   | ug/l   | 98       |
| 77) Bromobenzene               | 12.53 | 156  | 724829   | 52.80   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.63 | 91   | 3119544  | 49.76   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.70 | 91   | 1738522  | 49.03   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.78 | 105  | 1914350  | 48.63   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.33 | 75   | 179711   | 47.92   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.80 | 91   | 1946999  | 48.14   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.04 | 119  | 2200131  | 49.06   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.09 | 105  | 1978098  | 48.21   | ug/l   | 96       |
| 85) sec-Butylbenzene           | 13.22 | 105  | 2668883  | 50.61   | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 13.33 | 119  | 2124112  | 49.53   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.31 | 146  | 1251699  | 51.07   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 1275770  | 52.18   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.64 | 91   | 2132493  | 52.73   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 546169   | 47.43   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1102187  | 52.89   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.22 | 75   | 86499    | 49.13   | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\  
Data File : VD059943.D  
Acq On : 4 Sep 2018 14:14  
Operator : JC/SY  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Quant Time: Sep 05 03:49:19 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 03:03:08 2018  
Response via : Initial Calibration

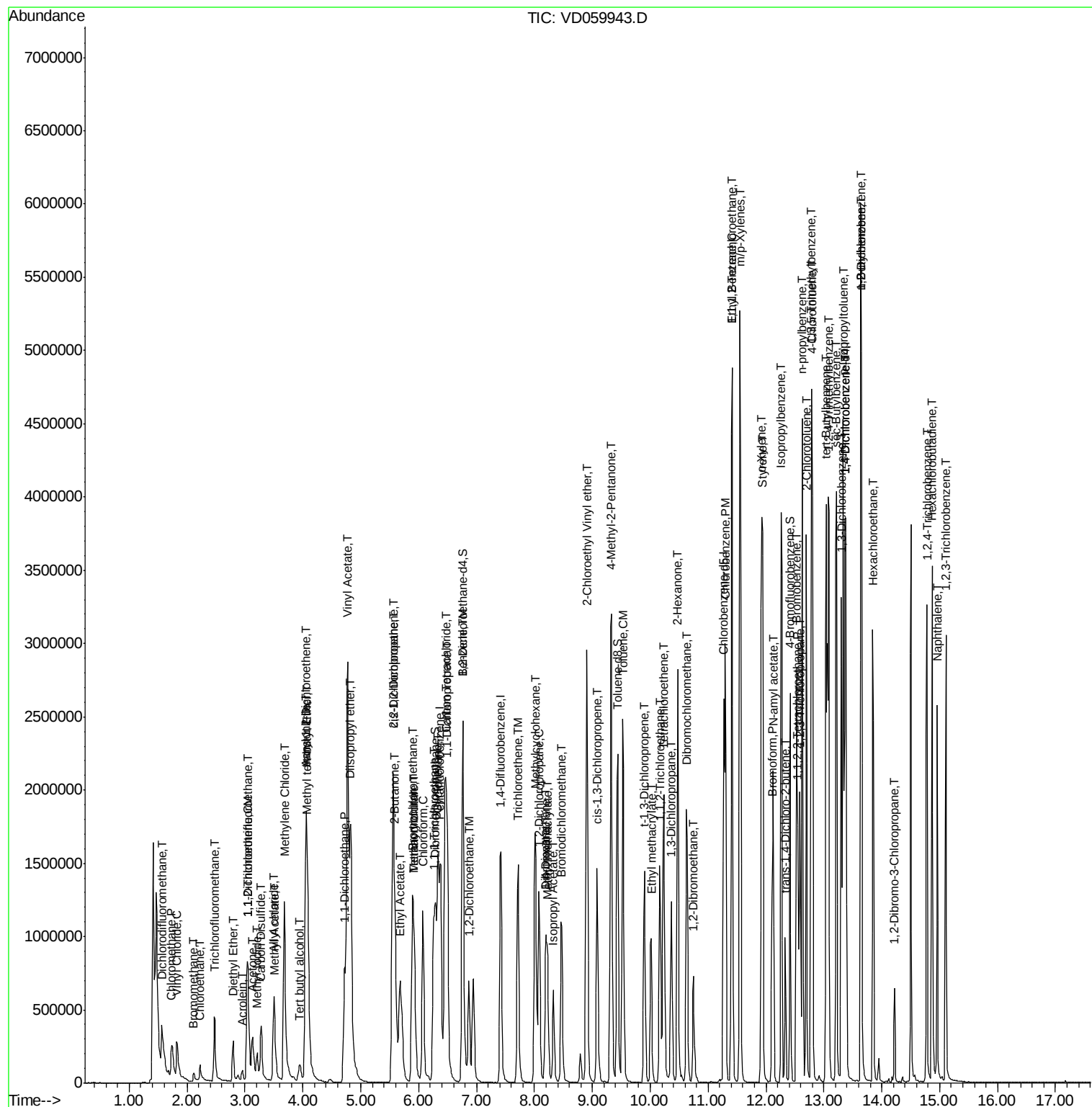
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.78 | 180  | 920823   | 51.61 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.87 | 225  | 620060   | 53.02 | ug/l  | 99       |
| 95) Naphthalene            | 14.96 | 128  | 1449204  | 53.15 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.11 | 180  | 799458   | 52.39 | ug/l  | 99       |

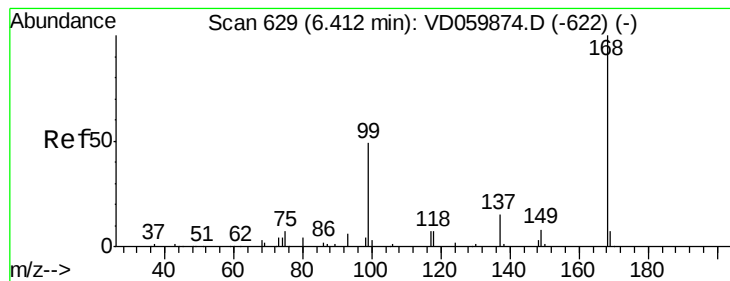
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\  
Data File : VD059943.D  
Acq On : 4 Sep 2018 14:14  
Operator : JC/SY  
Sample : VSTDCCC050  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleID :  
VSTDCCC050

Quant Time: Sep 05 03:49:19 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 03:03:08 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

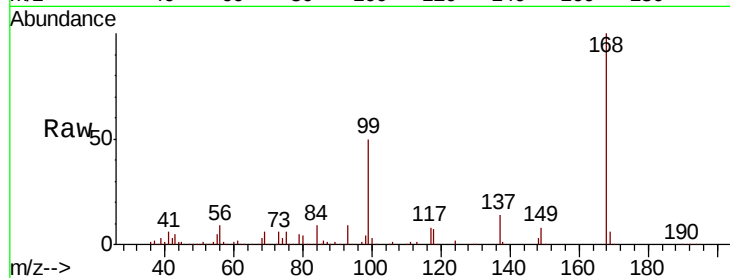
VSTDCCC050

Tot Ion:168 Resp: 1251578

Ion Ratio Lower Upper

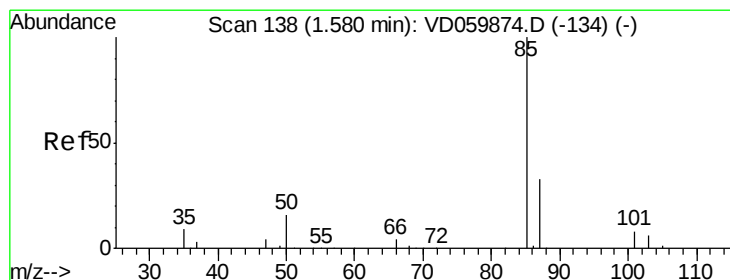
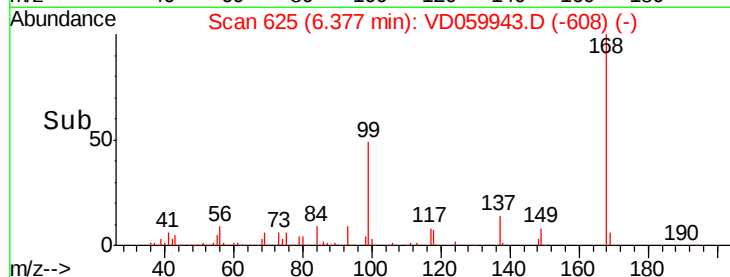
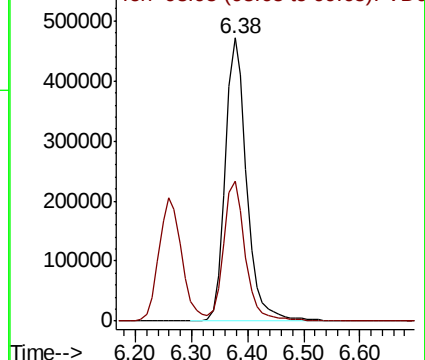
168 100

99 49.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.64 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059943.D

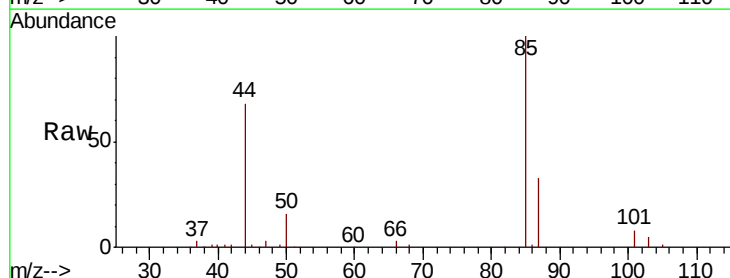
Acq: 4 Sep 2018 14:14

Tgt Ion: 85 Resp: 477069

Ion Ratio Lower Upper

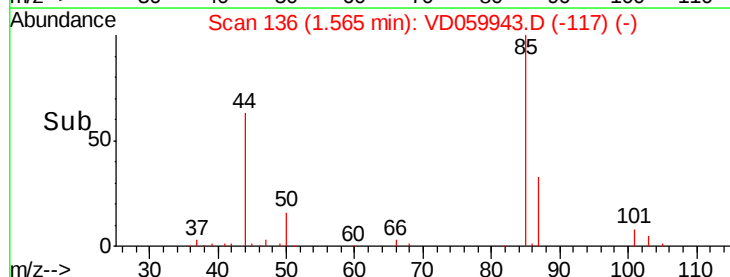
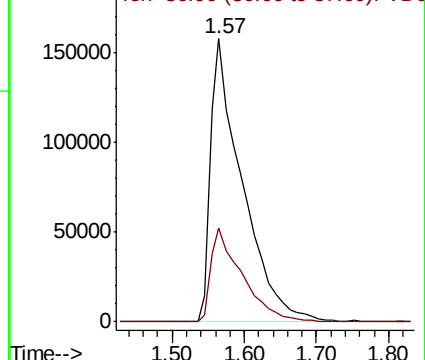
85 100

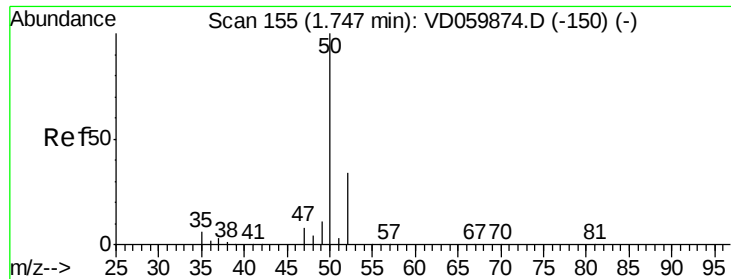
87 33.0 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.95 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampled :

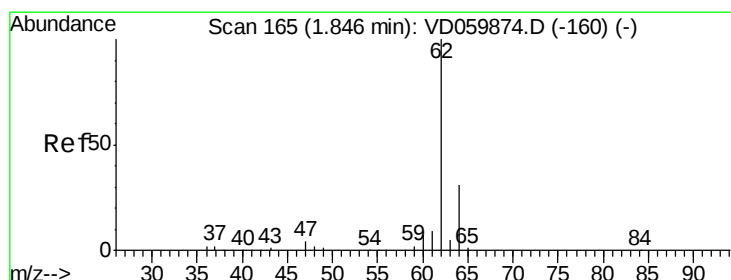
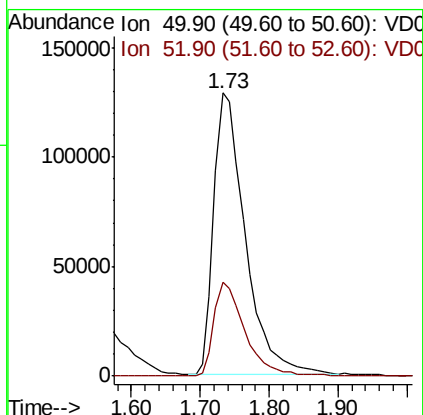
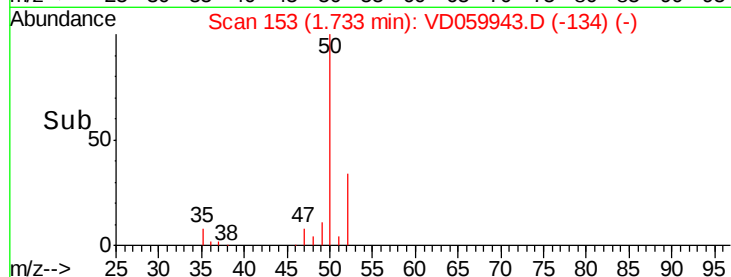
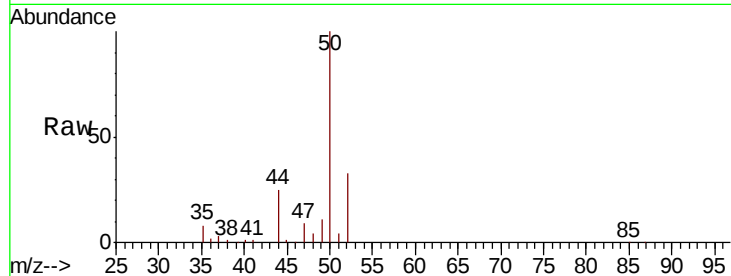
VSTDCCC050

Tot Ion: 50 Resp: 404914

Ion Ratio Lower Upper

50 100

52 33.3 27.0 40.6



#4

Vinyl Chloride

Concen: 45.49 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD059943.D

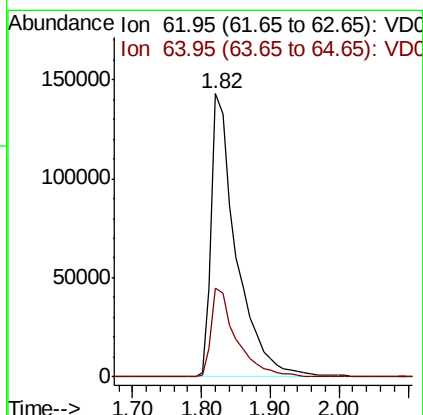
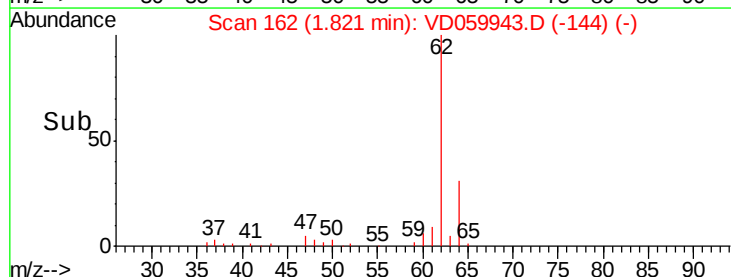
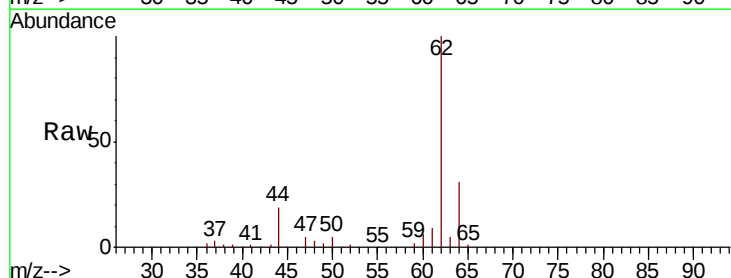
Acq: 4 Sep 2018 14:14

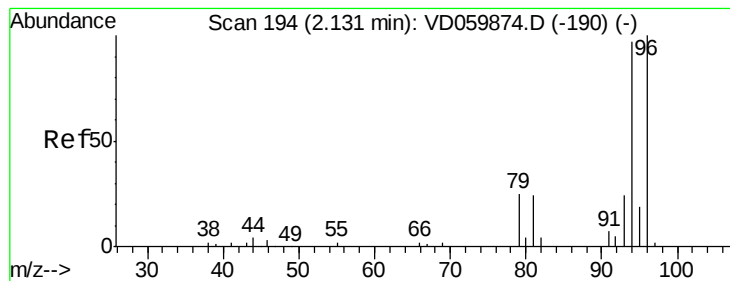
Tgt Ion: 62 Resp: 361539

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 39.79 ug/l

RT: 2.12 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

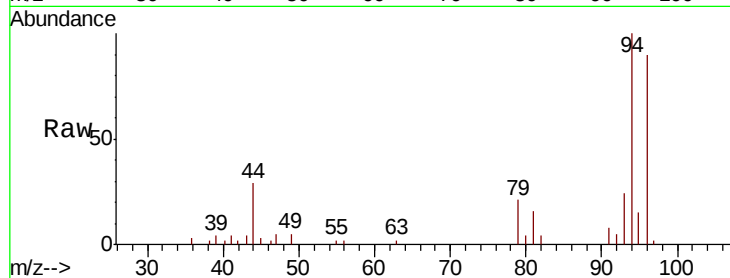
VSTDCCC050

Tot Ion: 94 Resp: 54595

Ion Ratio Lower Upper

94 100

96 89.5 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

20000

15000

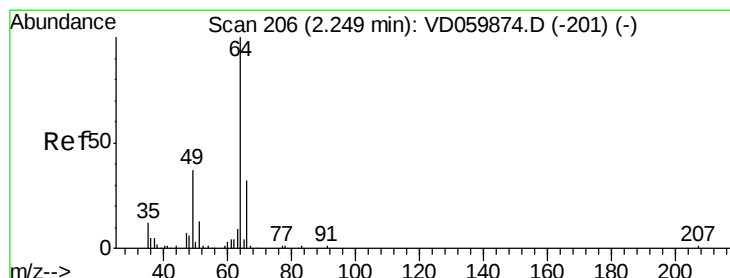
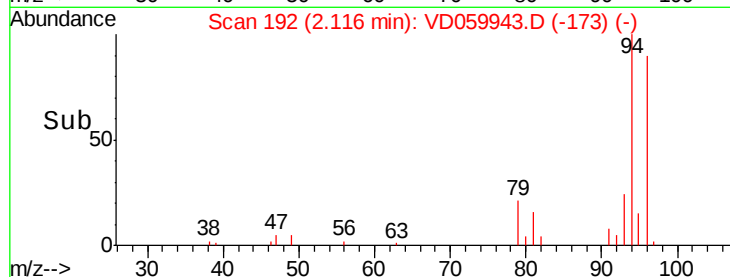
10000

5000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 40.54 ug/l

RT: 2.22 min Scan# 203

Delta R.T. -0.02 min

Lab File: VD059943.D

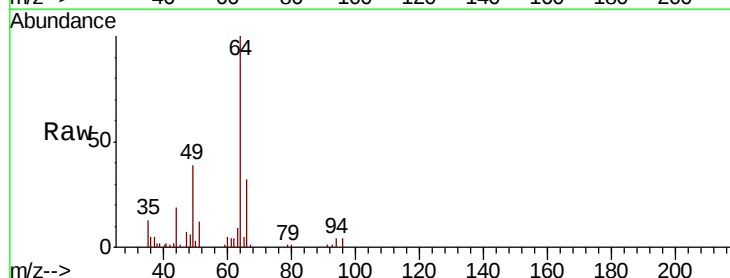
Acq: 4 Sep 2018 14:14

Tgt Ion: 64 Resp: 109215

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.22

50000

40000

30000

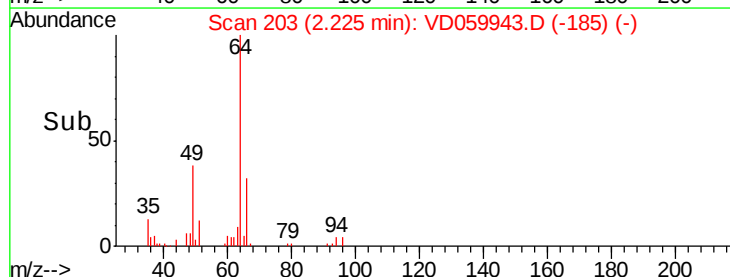
20000

10000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 46.91 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

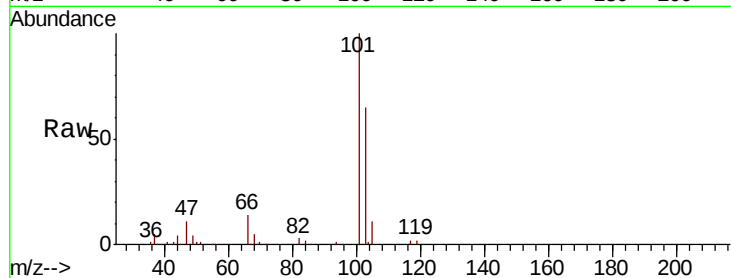
VSTDCCC050

Tot Ion:101 Resp: 431239

Ion Ratio Lower Upper

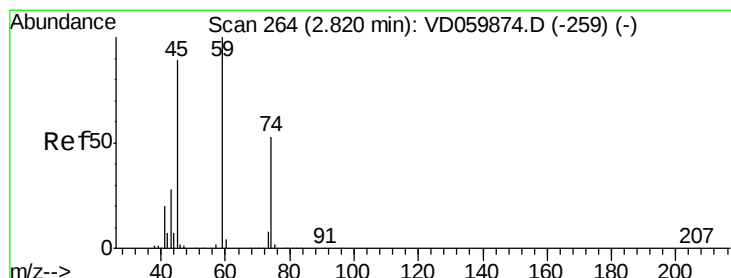
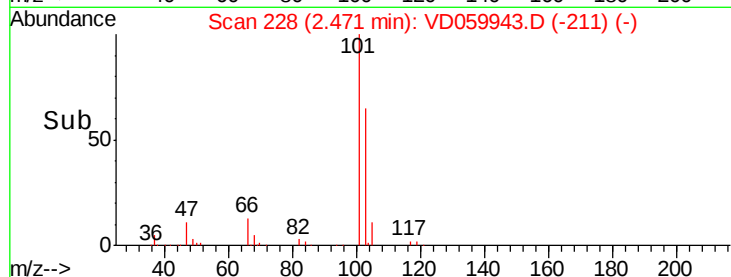
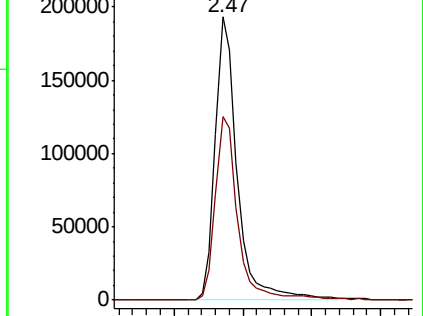
101 100

103 64.8 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 47.62 ug/l

RT: 2.80 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD059943.D

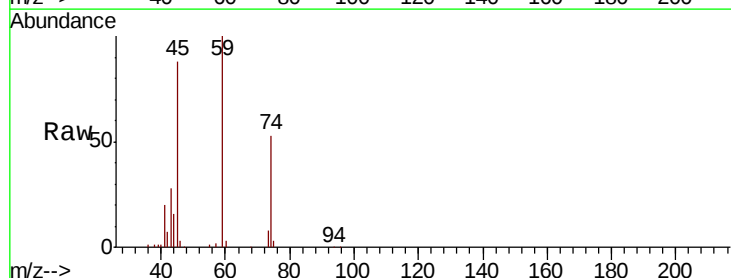
Acq: 4 Sep 2018 14:14

Tgt Ion: 74 Resp: 98218

Ion Ratio Lower Upper

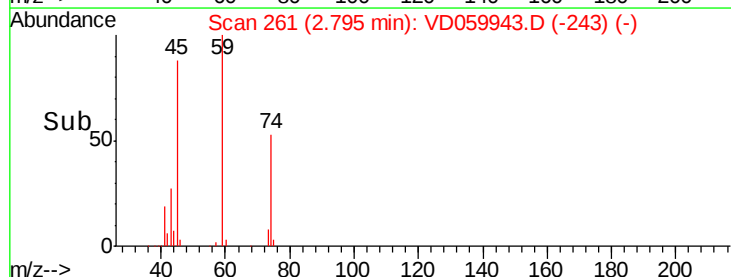
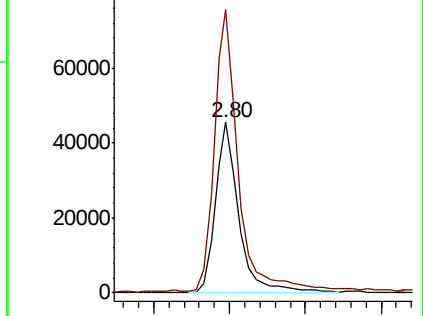
74 100

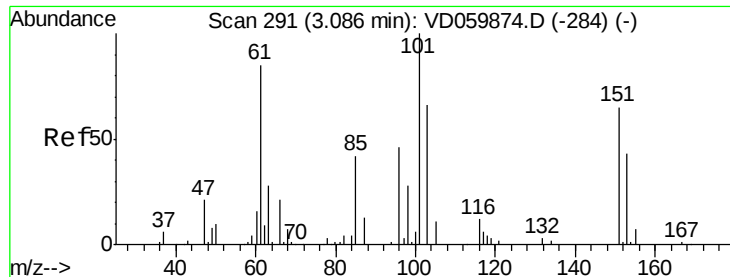
45 165.8 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.18 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

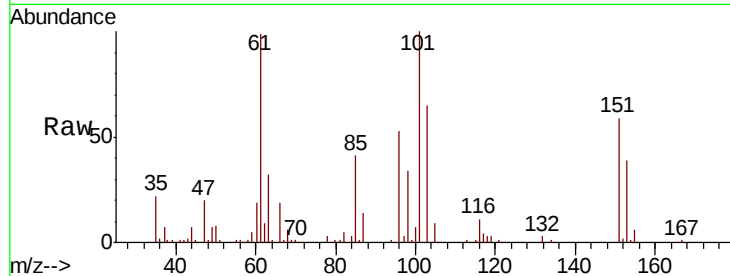
Tot Ion:101 Resp: 288148

Ion Ratio Lower Upper

101 100

85 41.1 33.6 50.4

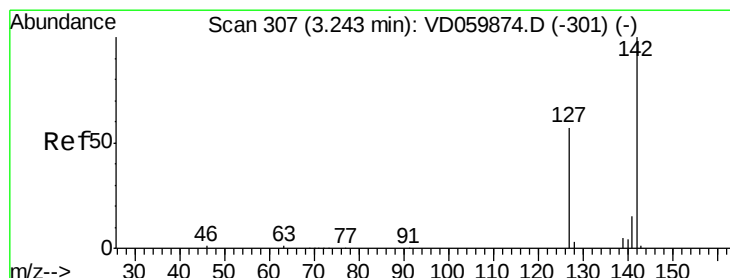
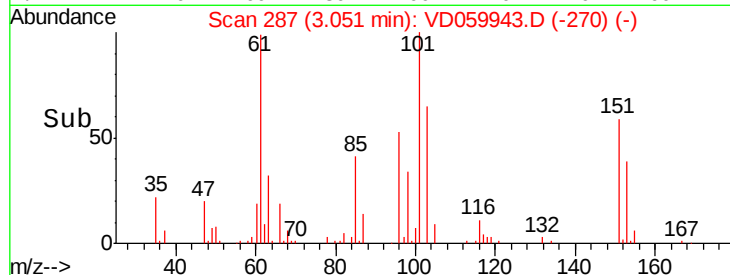
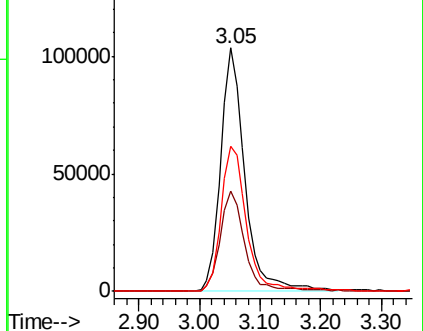
151 59.4 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 45.35 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

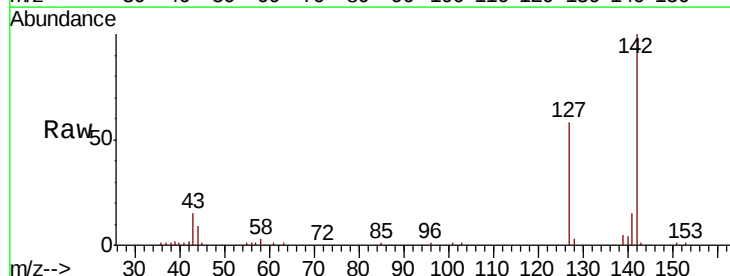
Tgt Ion:142 Resp: 269920

Ion Ratio Lower Upper

142 100

127 57.6 45.8 68.6

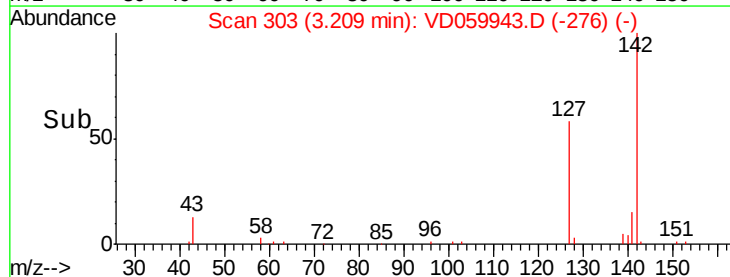
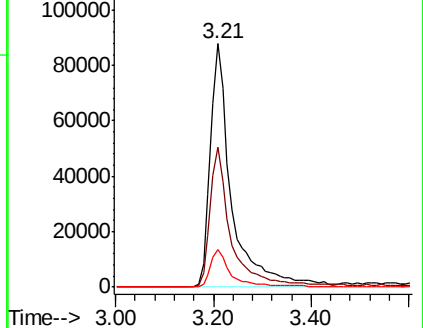
141 15.4 11.6 17.4

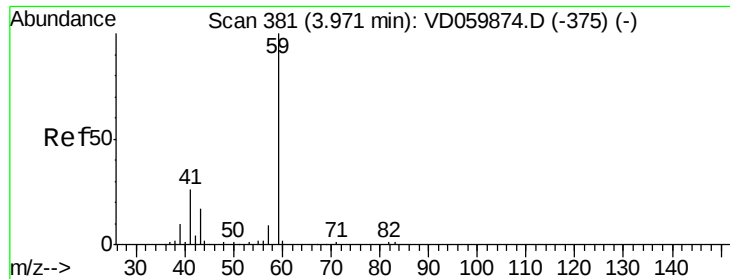


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

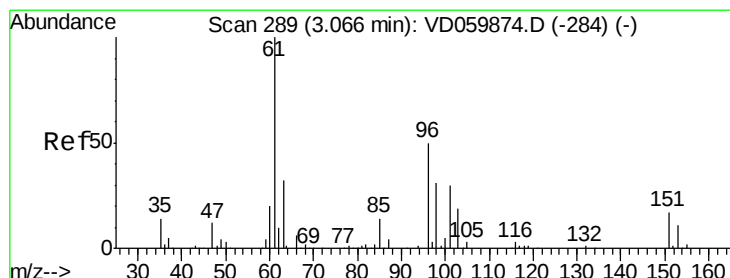
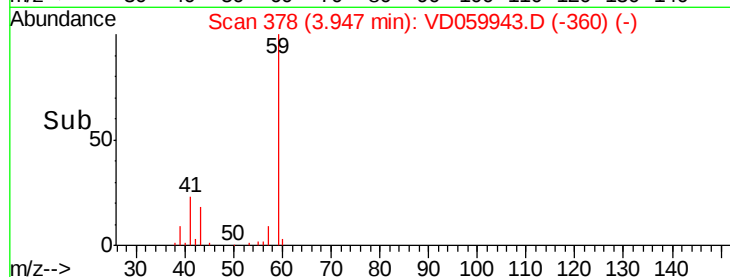
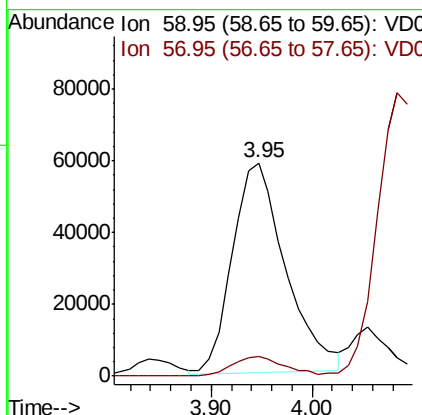
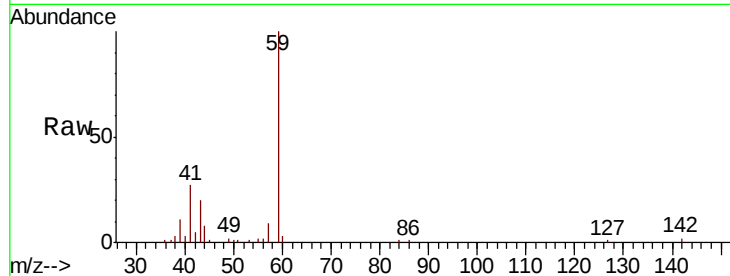




#11  
Tert butyl alcohol  
Concen: 265.73 ug/l  
RT: 3.95 min Scan# 378  
Delta R.T. -0.02 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

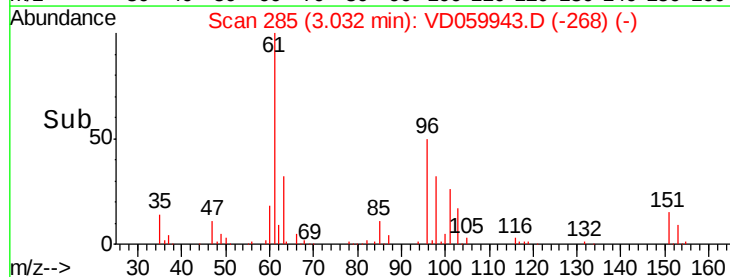
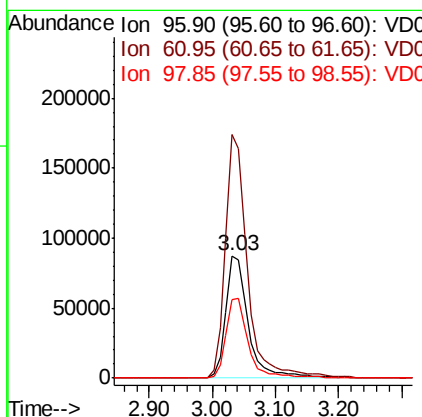
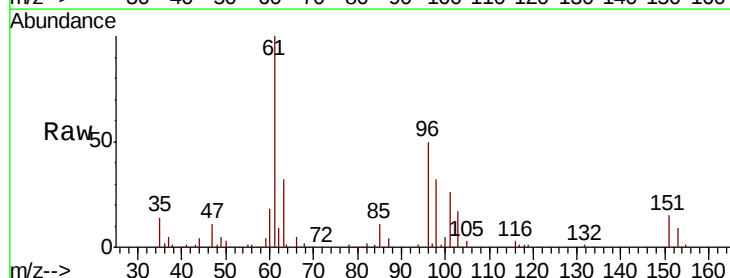
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

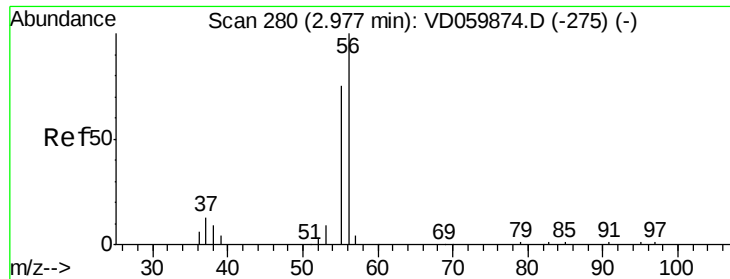
Tot Ion: 59 Resp: 213891  
Ion Ratio Lower Upper  
59 100  
57 9.3 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 49.05 ug/l  
RT: 3.03 min Scan# 285  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 96 Resp: 214996  
Ion Ratio Lower Upper  
96 100  
61 199.6 158.8 238.2  
98 64.0 48.7 73.1





#13

Acrolein

Concen: 226.73 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

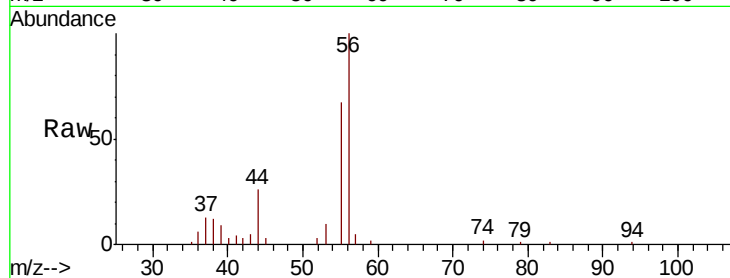
VSTDCCC050

Tot Ion: 56 Resp: 79153

Ion Ratio Lower Upper

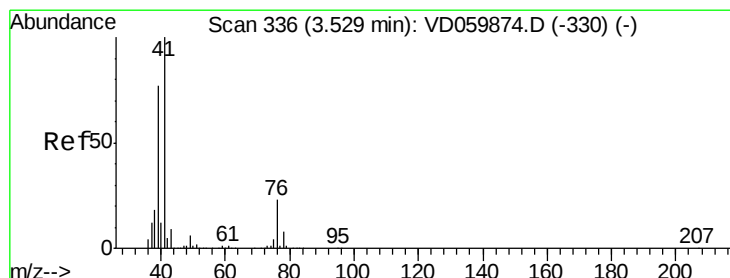
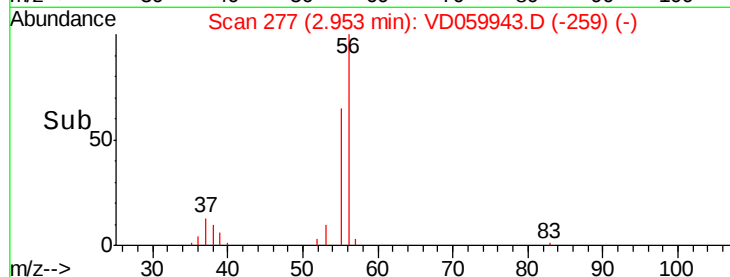
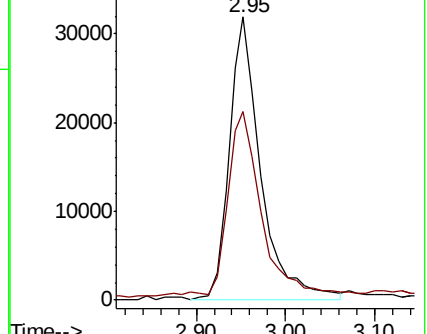
56 100

55 66.9 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.06 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

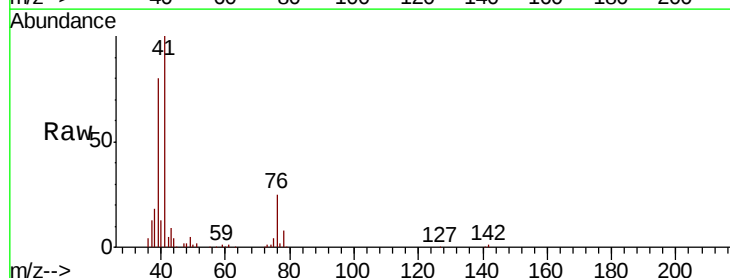
Tgt Ion: 41 Resp: 506358

Ion Ratio Lower Upper

41 100

39 79.6 61.8 92.6

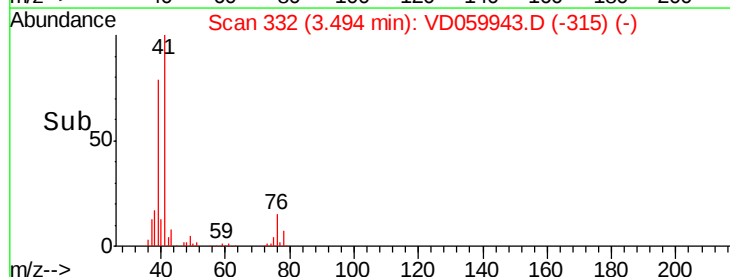
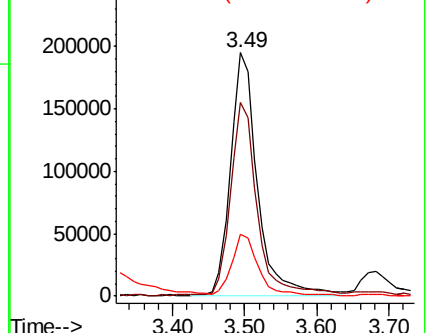
76 25.3 19.4 29.2

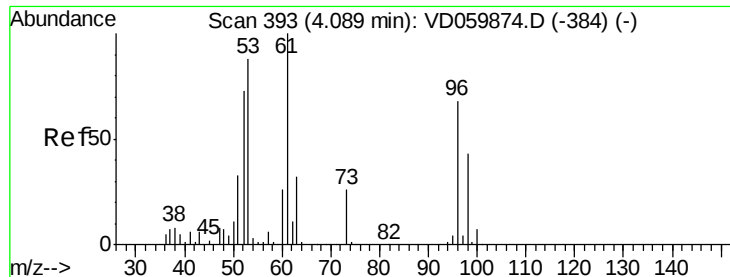


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 257.34 ug/l

RT: 4.05 min Scan# 388

Delta R.T. -0.04 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

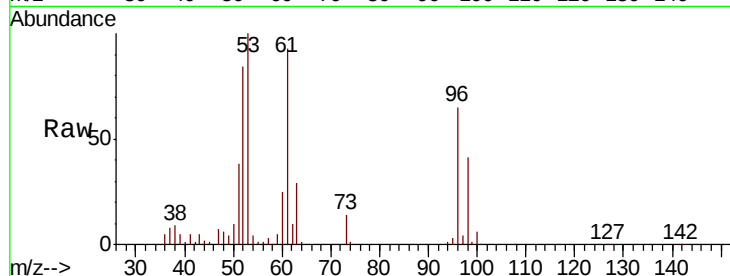
Tot Ion: 53 Resp: 775674

Ion Ratio Lower Upper

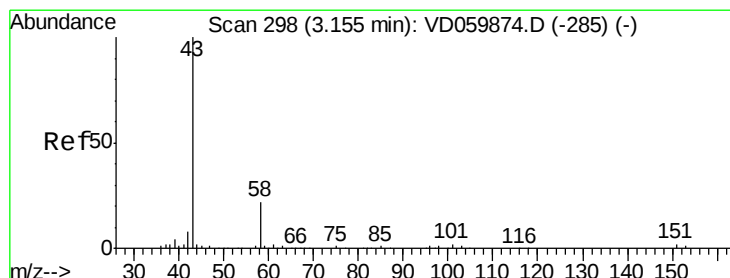
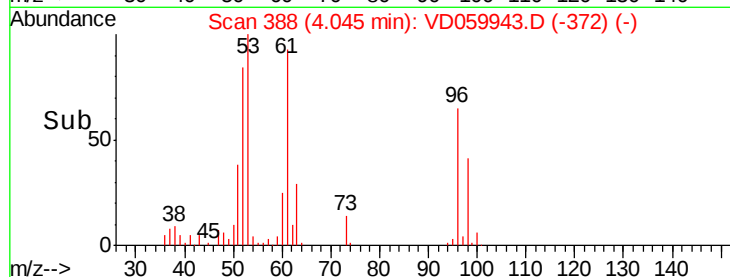
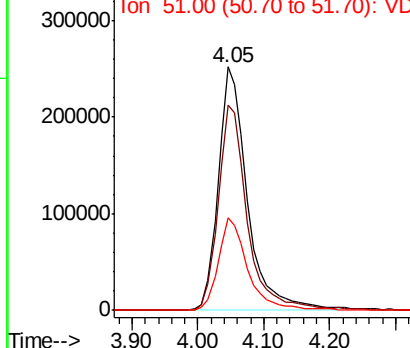
53 100

52 84.4 66.9 100.3

51 37.9 30.3 45.5



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: 288.92 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059943.D

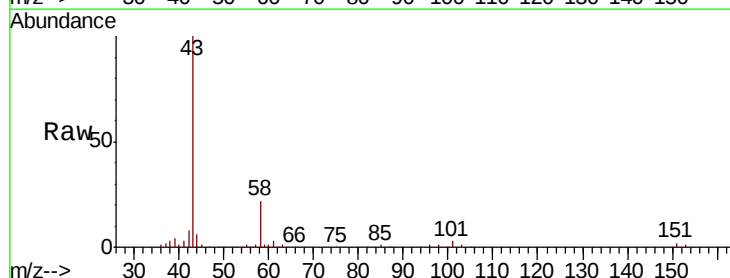
Acq: 4 Sep 2018 14:14

Tgt Ion: 43 Resp: 555265

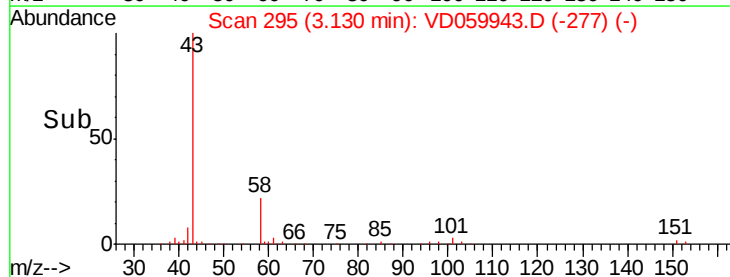
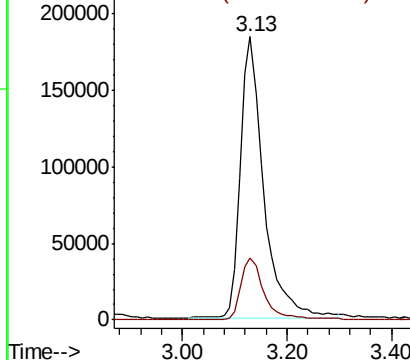
Ion Ratio Lower Upper

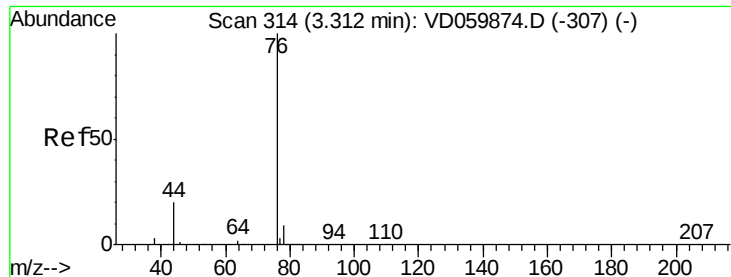
43 100

58 21.7 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 57.95 (57.65 to 58.65): VDC

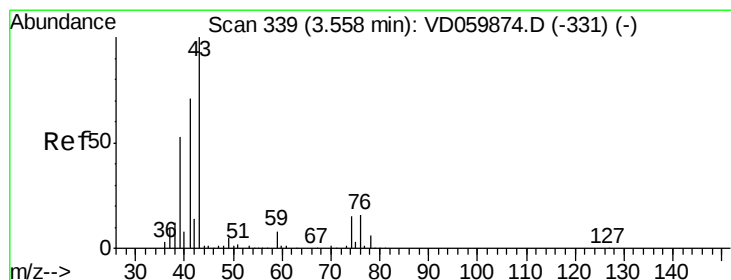
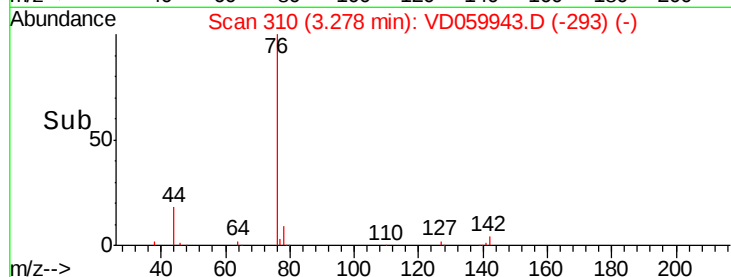
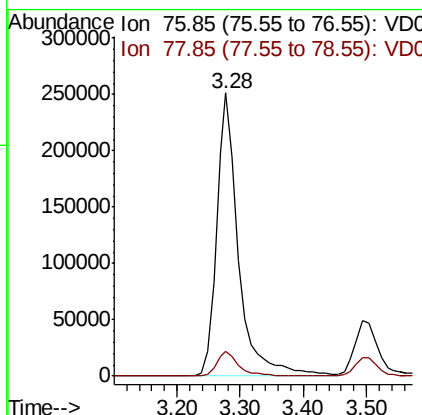
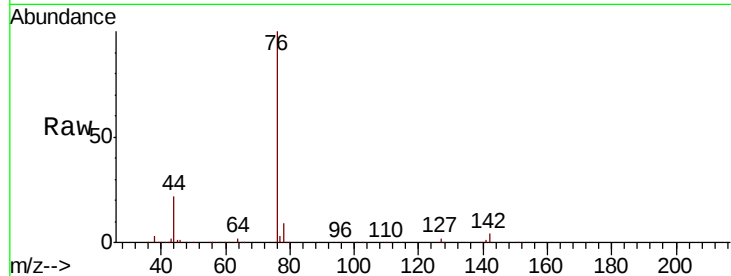




#17  
Carbon Disulfide  
Concen: 44.86 ug/l  
RT: 3.28 min Scan# 310  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

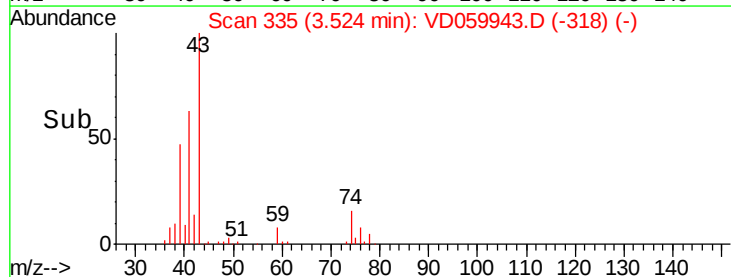
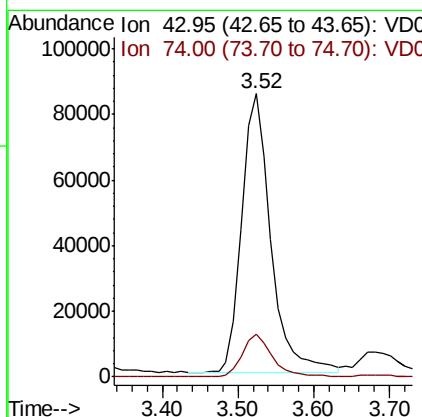
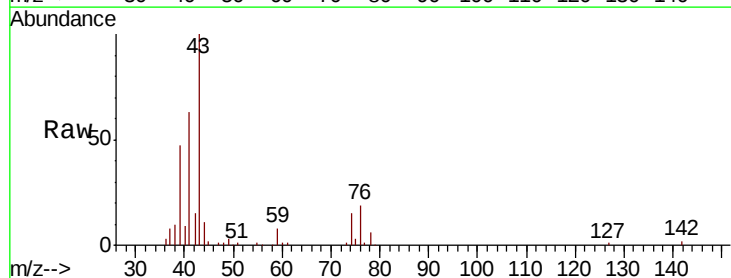
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 610396  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.2



#18  
Methyl Acetate  
Concen: 57.00 ug/l  
RT: 3.52 min Scan# 335  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 43 Resp: 228703  
Ion Ratio Lower Upper  
43 100  
74 15.3 11.2 16.8





#19

Methyl tert-butyl Ether  
 Concen: 48.85 ug/l  
 RT: 4.08 min Scan# 392  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

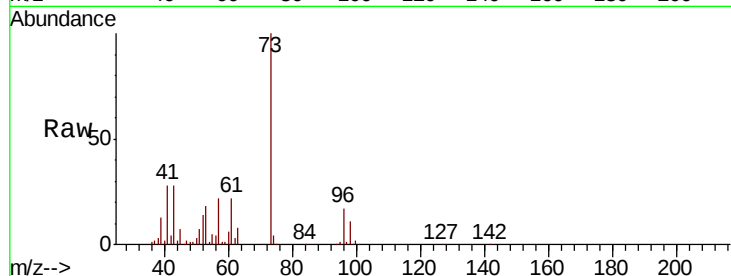
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 73 Resp: 1211193

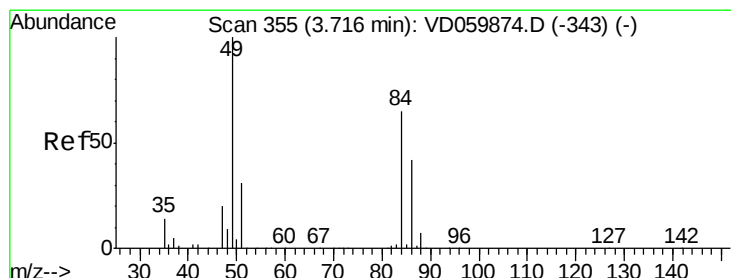
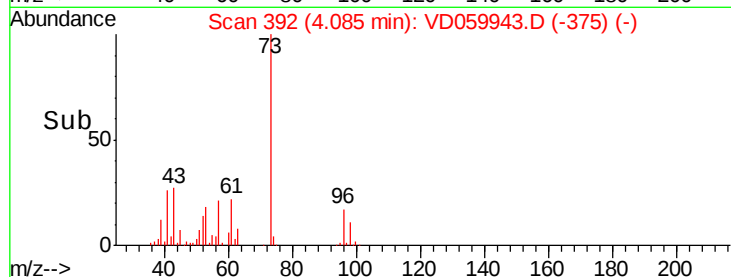
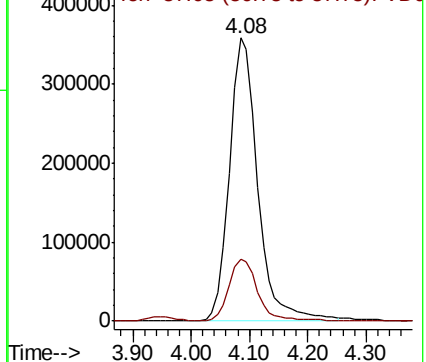
Ion Ratio Lower Upper

73 100

57 22.0 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC  
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride  
 Concen: 58.64 ug/l  
 RT: 3.68 min Scan# 351  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion: 84 Resp: 743971

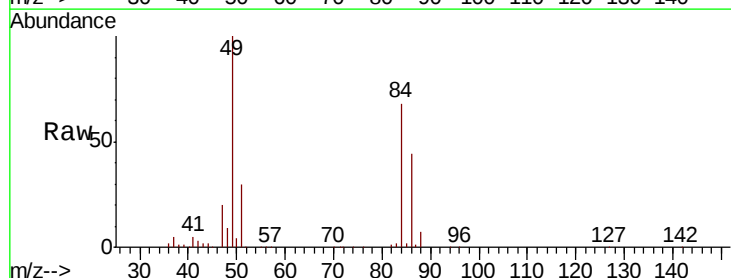
Ion Ratio Lower Upper

84 100

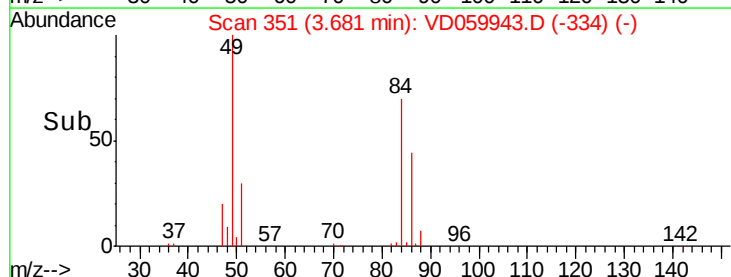
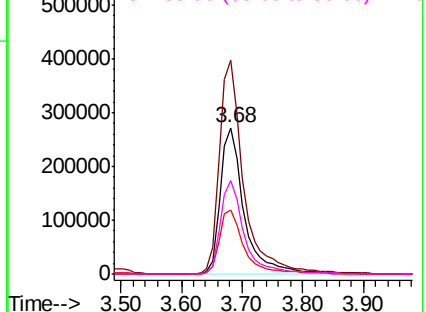
49 146.0 122.6 183.8

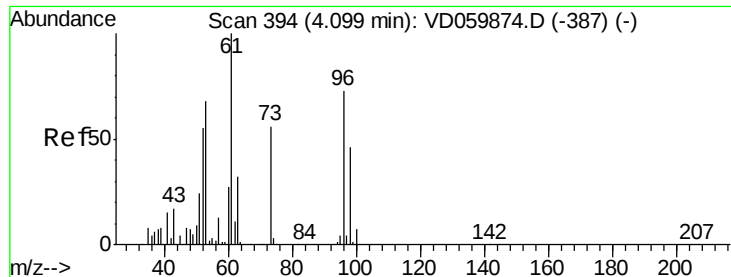
51 43.8 38.4 57.6

86 63.9 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC  
 Ion 48.90 (48.60 to 49.60): VDC  
 Ion 50.90 (50.60 to 51.60): VDC  
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 49.13 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

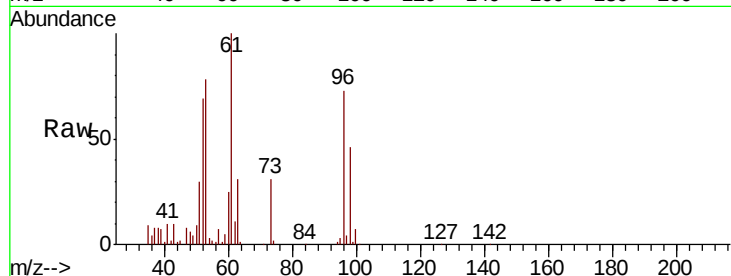
Tot Ion: 96 Resp: 593372

Ion Ratio Lower Upper

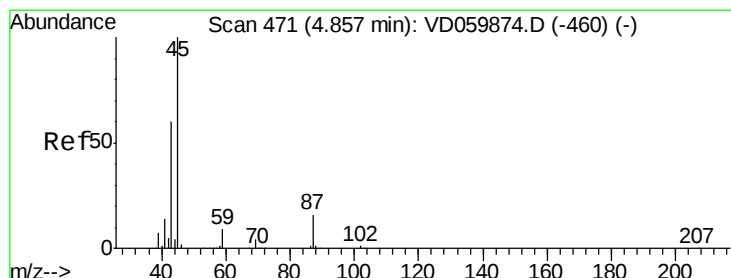
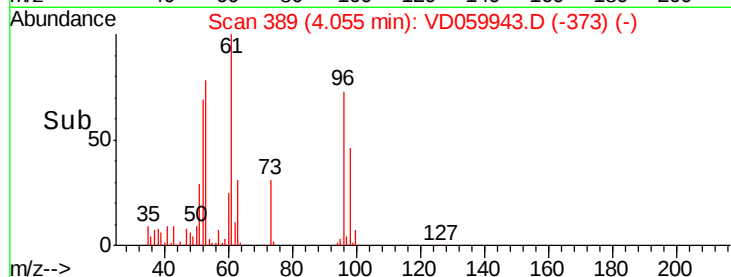
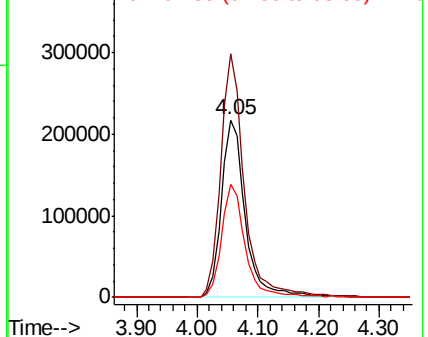
96 100

61 137.2 110.2 165.4

98 63.6 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.10 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Tgt Ion: 45 Resp: 2482896

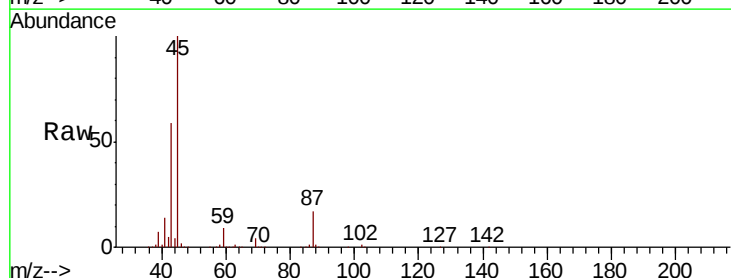
Ion Ratio Lower Upper

45 100

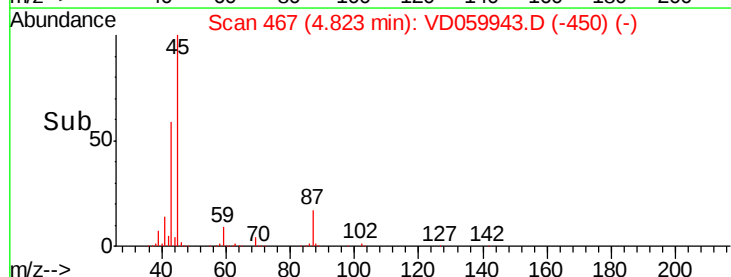
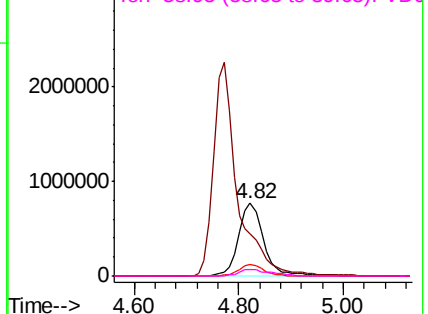
43 58.6 48.6 72.8

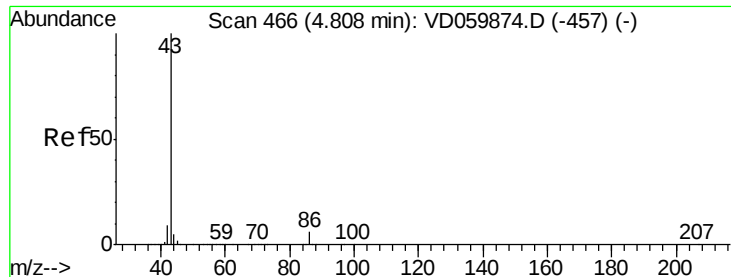
87 16.8 13.3 19.9

59 8.7 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 253.83 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

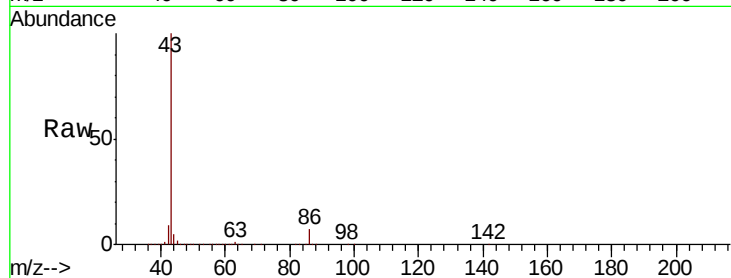
VSTDCCC050

Tot Ion: 43 Resp: 7175850

Ion Ratio Lower Upper

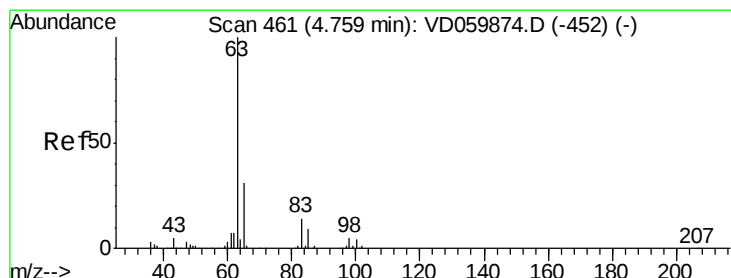
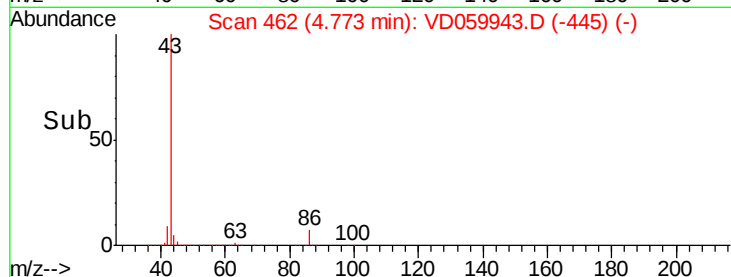
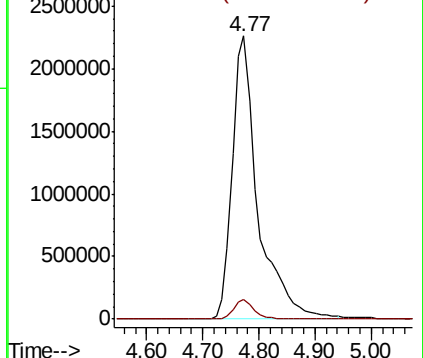
43 100

86 6.9 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.51 ug/l

RT: 4.71 min Scan# 456

Delta R.T. -0.04 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

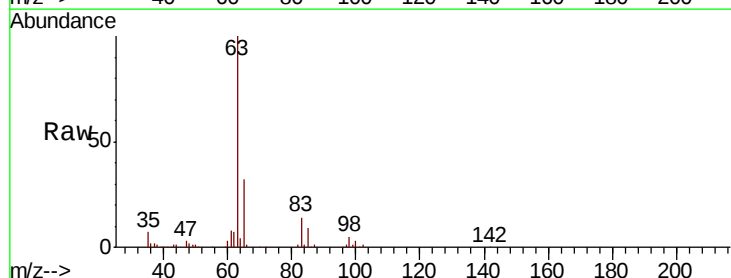
Tgt Ion: 63 Resp: 1081632

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

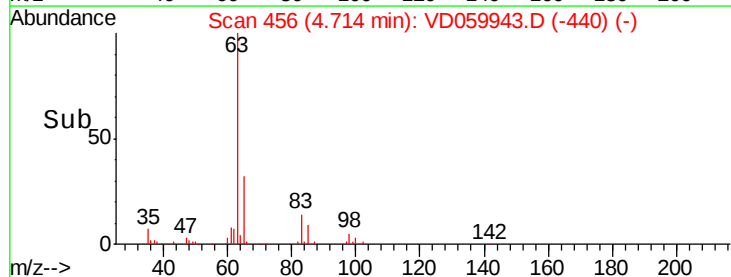
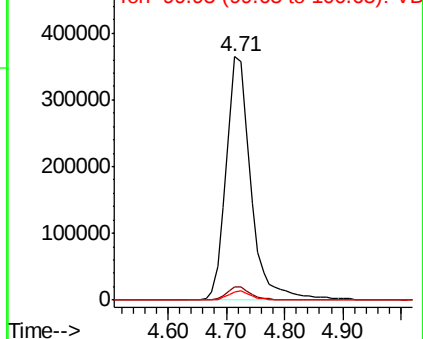
100 3.4 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 269.31 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

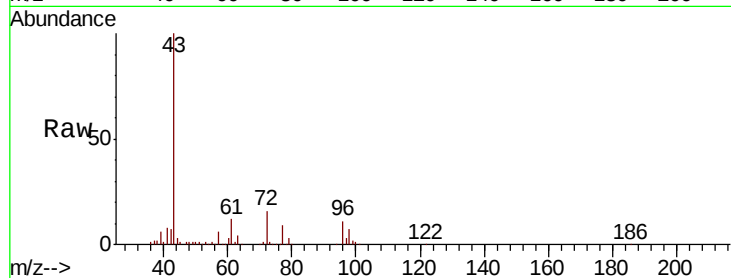
VSTDCCC050

Tot Ion: 43 Resp: 1532913

Ion Ratio Lower Upper

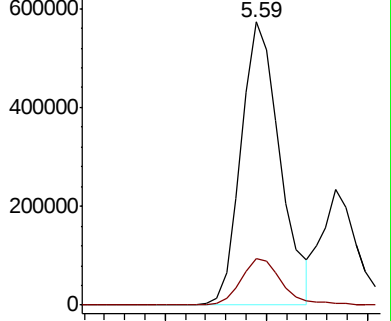
43 100

72 16.4 12.3 18.5

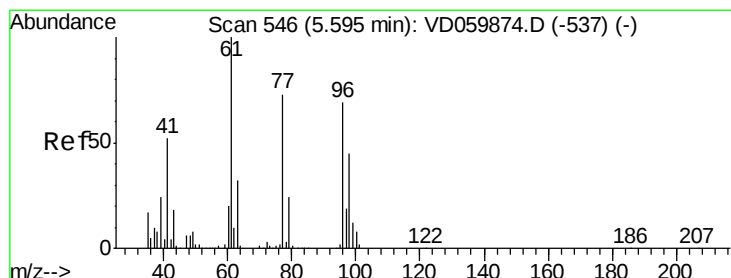
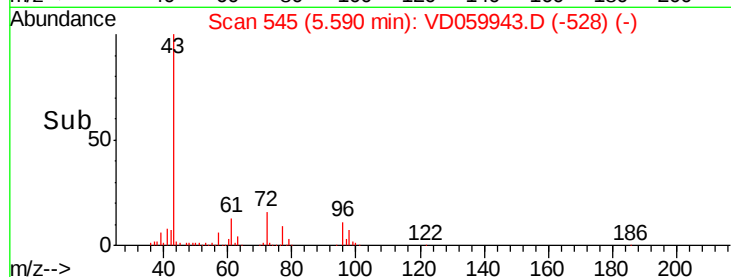


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 47.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.04 min

Lab File: VD059943.D

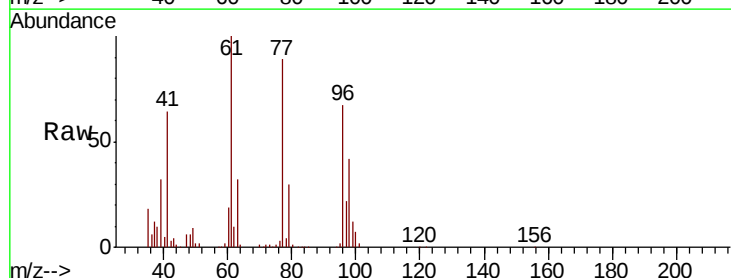
Acq: 4 Sep 2018 14:14

Tgt Ion: 77 Resp: 858342

Ion Ratio Lower Upper

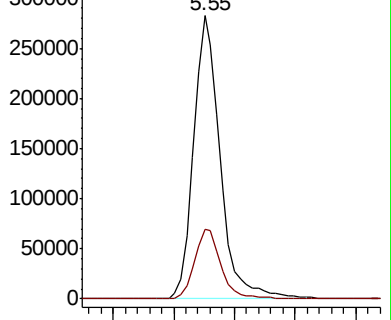
77 100

97 24.6 13.0 38.9

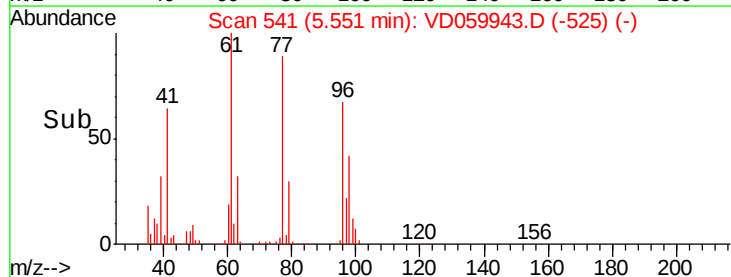


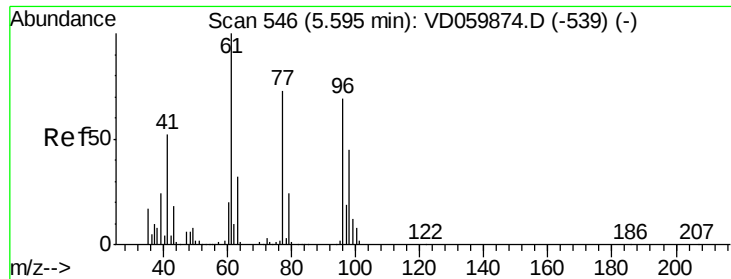
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->

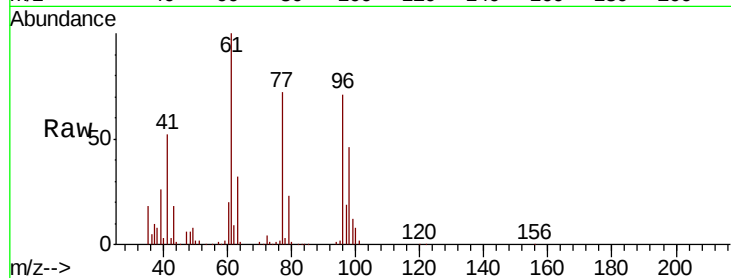




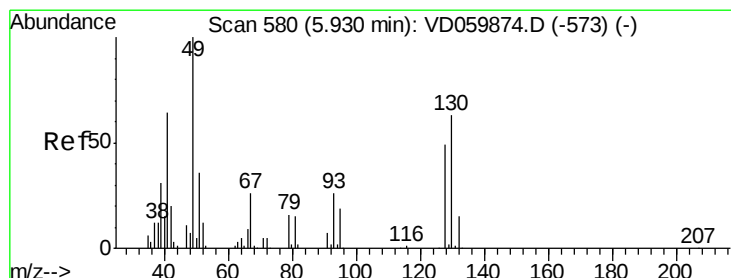
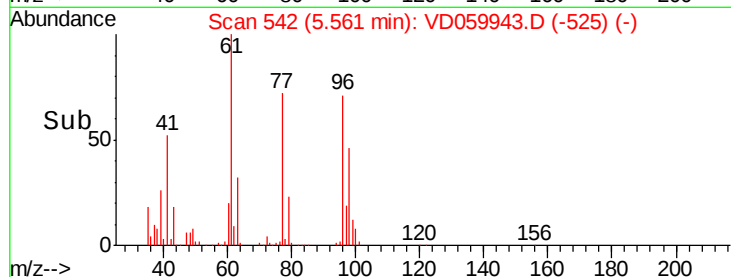
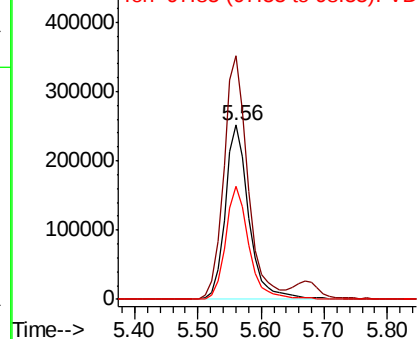
#27  
 cis-1,2-Dichloroethene  
 Concen: 49.73 ug/l  
 RT: 5.56 min Scan# 542  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 96 Resp: 657635  
 Ion Ratio Lower Upper  
 96 100  
 61 140.0 0.0 290.2  
 98 65.0 0.0 130.4

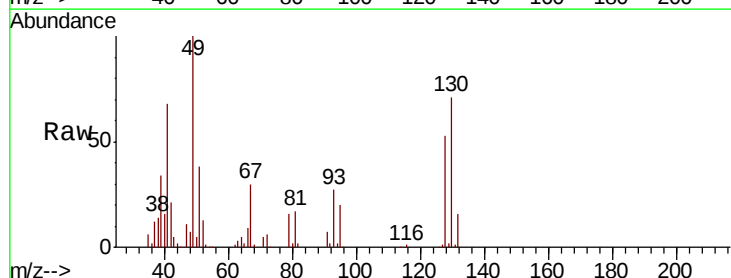


Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC

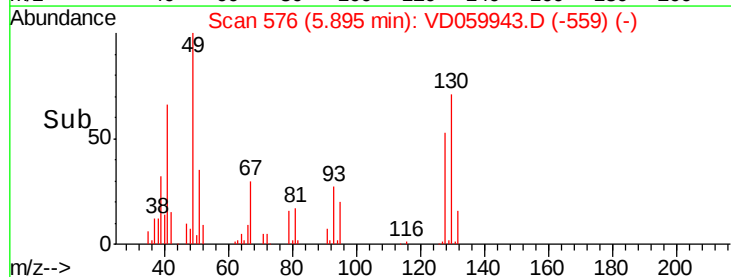
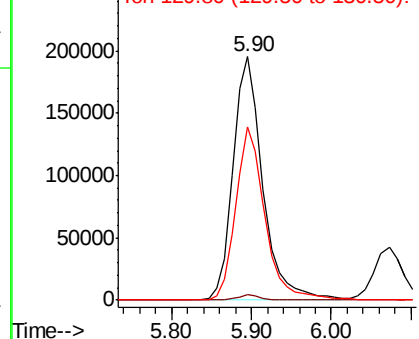


#28  
 Bromochloromethane  
 Concen: 48.62 ug/l  
 RT: 5.90 min Scan# 576  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion: 49 Resp: 509086  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 3.2  
 130 71.2 50.6 75.8



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

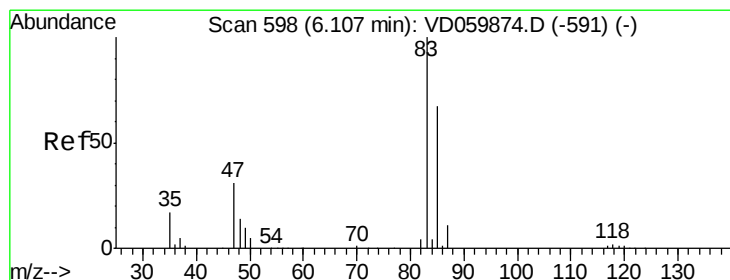
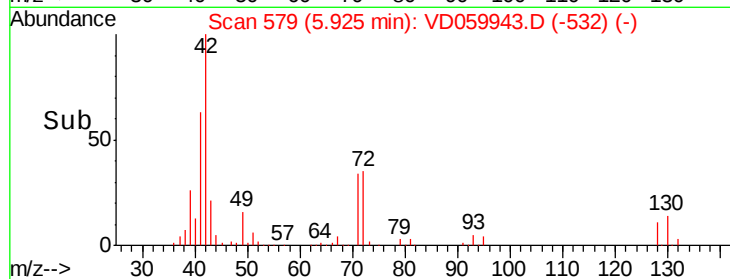
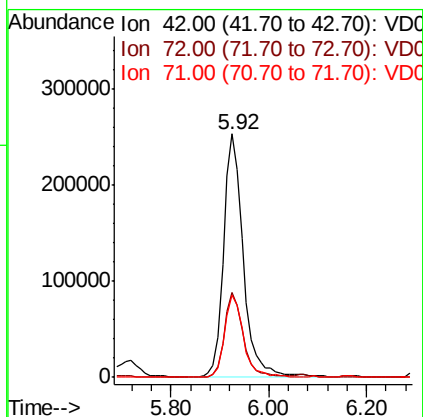
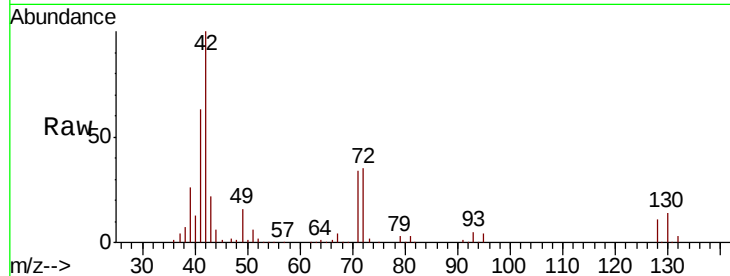




#29  
Tetrahydrofuran  
Concen: 262.10 ug/l  
RT: 5.92 min Scan# 579  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

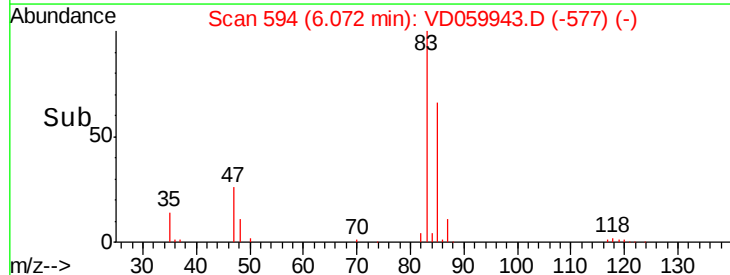
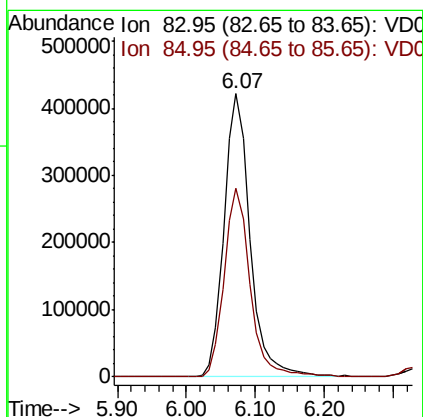
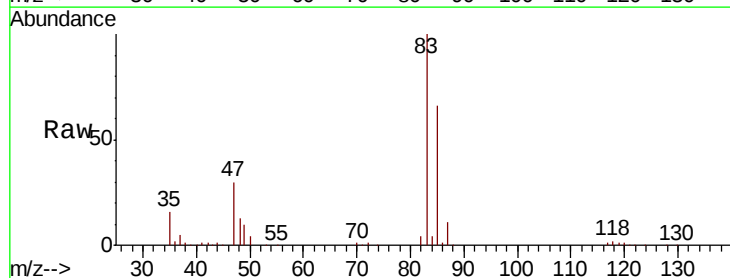
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

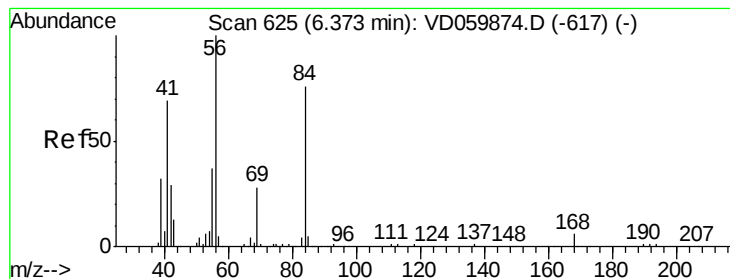
Tot Ion: 42 Resp: 710238  
Ion Ratio Lower Upper  
42 100  
72 32.9 25.7 38.5  
71 32.7 25.3 37.9



#30  
Chloroform  
Concen: 49.79 ug/l  
RT: 6.07 min Scan# 594  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 83 Resp: 1105594  
Ion Ratio Lower Upper  
83 100  
85 66.5 53.5 80.3





#31

Cyclohexane

Concen: 43.51 ug/l

RT: 6.34 min Scan# 621

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

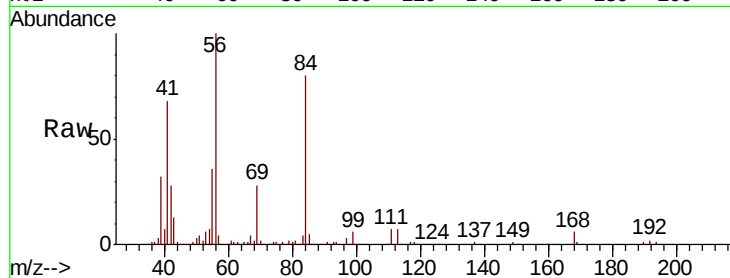
Tot Ion: 56 Resp: 873970

Ion Ratio Lower Upper

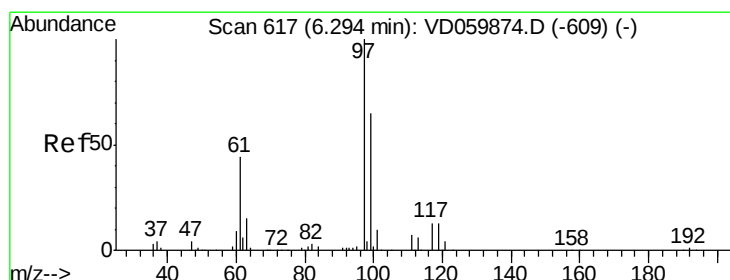
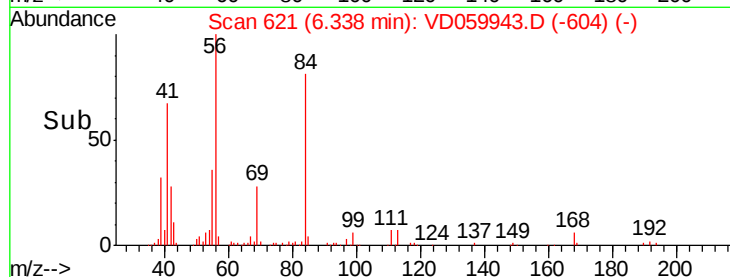
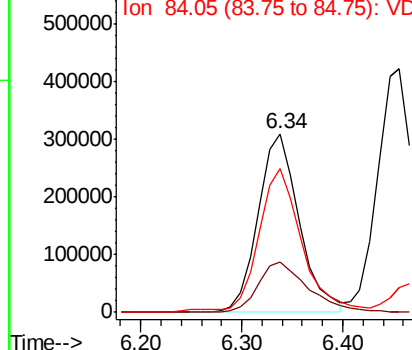
56 100

69 28.1 22.4 33.6

84 80.4 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.15 ug/l

RT: 6.26 min Scan# 613

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

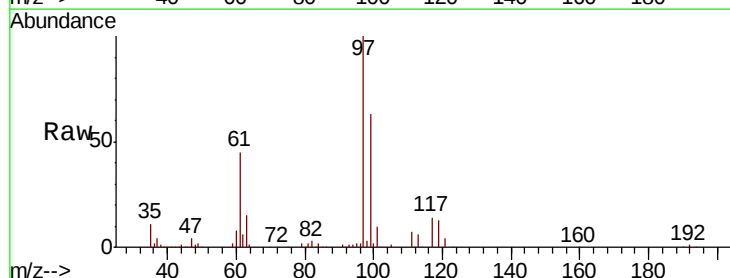
Tgt Ion: 97 Resp: 926191

Ion Ratio Lower Upper

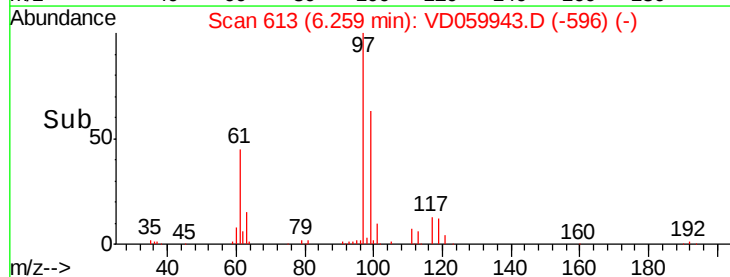
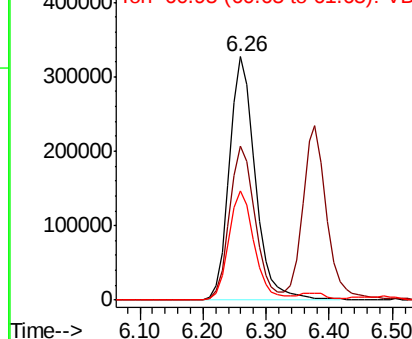
97 100

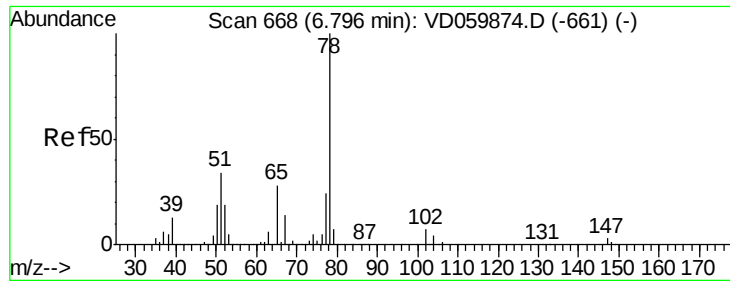
99 63.1 51.7 77.5

61 45.0 35.4 53.2



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 98.85 (98.55 to 99.55): VDC  
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.15 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

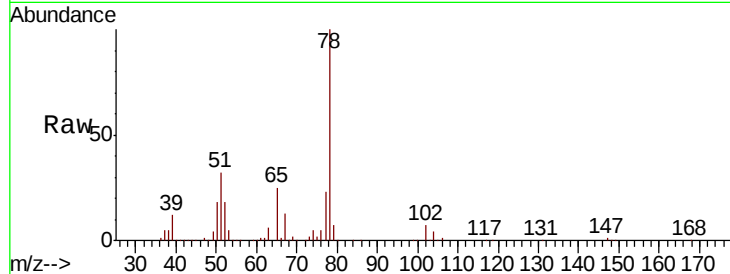
VSTDCCC050

Tot Ion: 65 Resp: 508725

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

200000

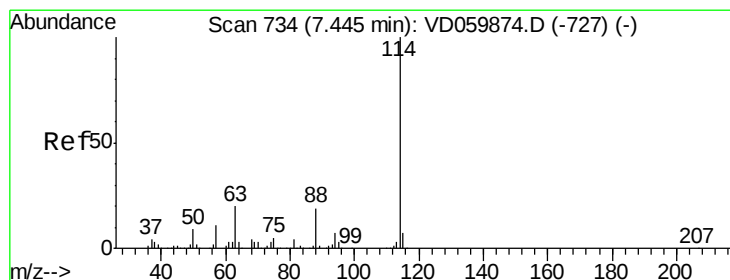
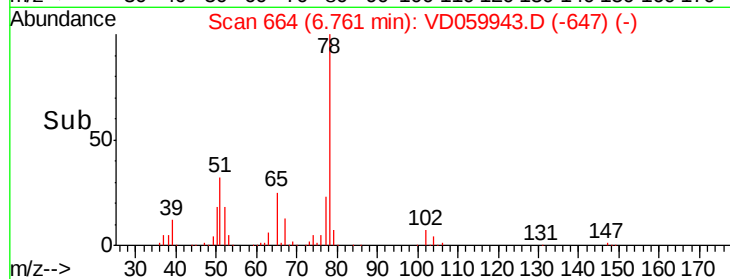
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

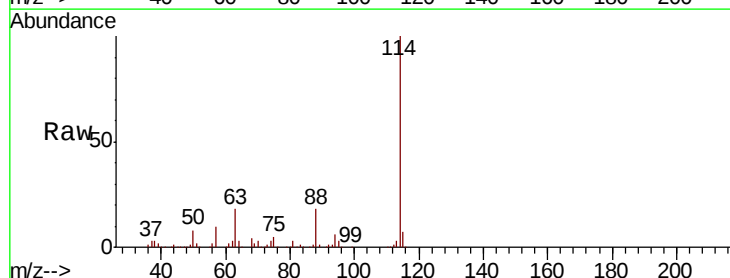
Tgt Ion:114 Resp: 1705231

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.4

88 18.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

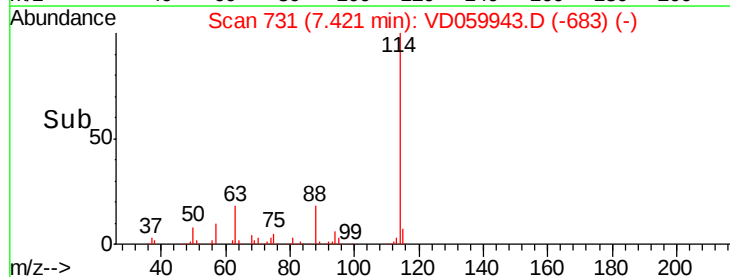
600000

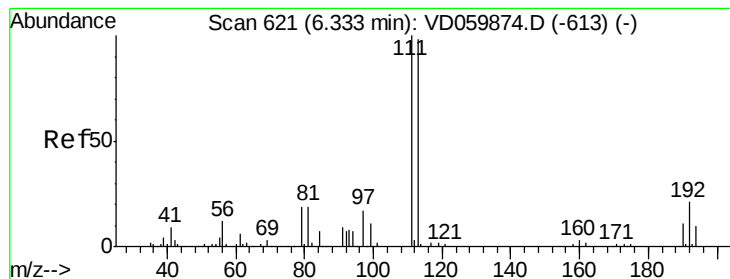
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

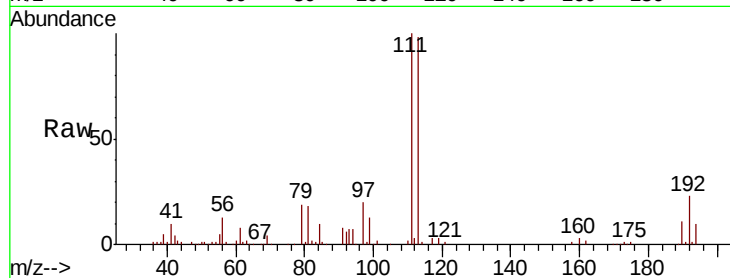
Tot Ion:113 Resp: 678106

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

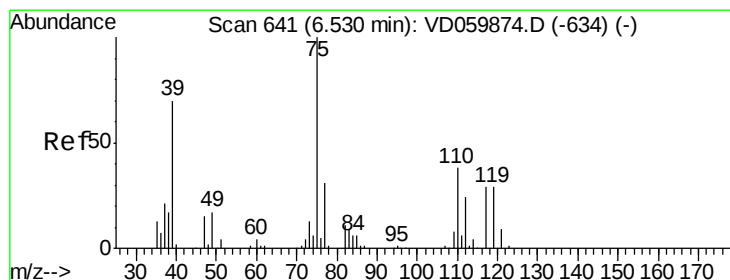
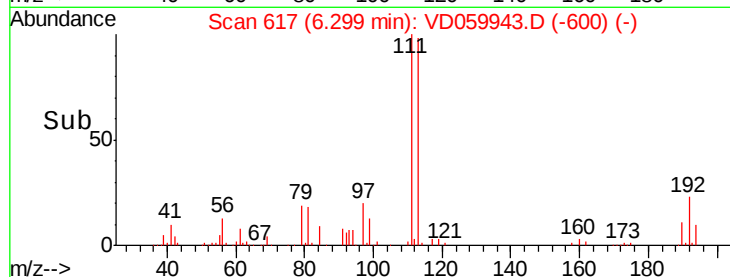
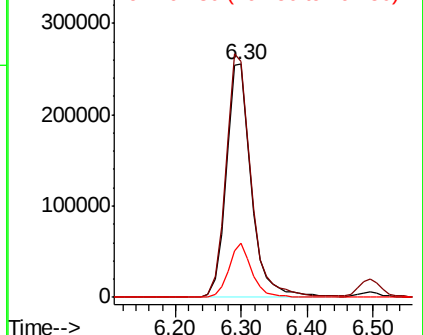
192 23.2 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.90 ug/l

RT: 6.50 min Scan# 637

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

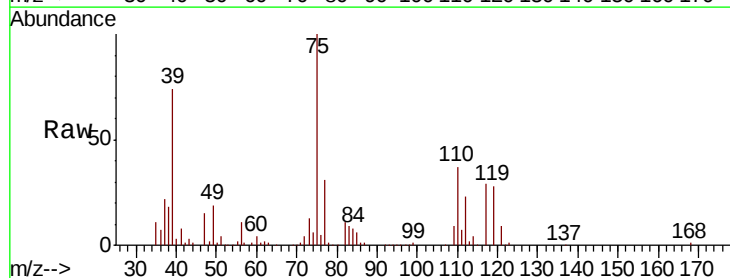
Tgt Ion: 75 Resp: 786839

Ion Ratio Lower Upper

75 100

110 36.5 18.6 56.0

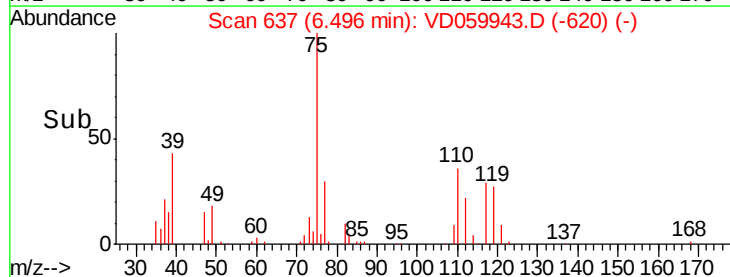
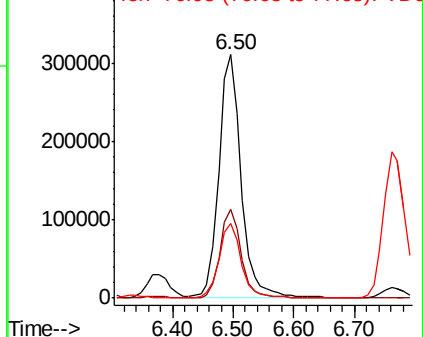
77 30.9 25.1 37.7

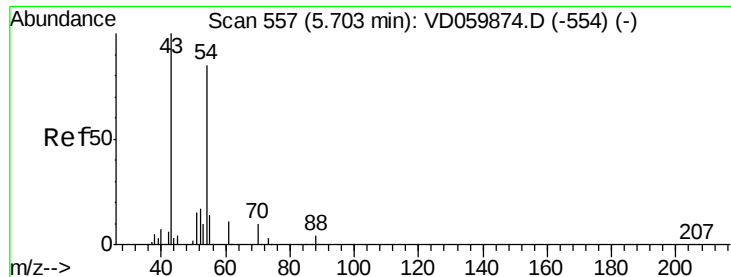


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

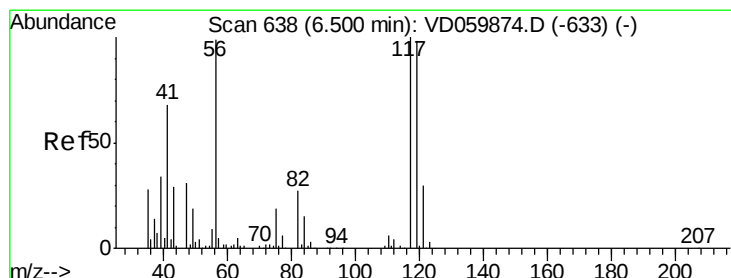
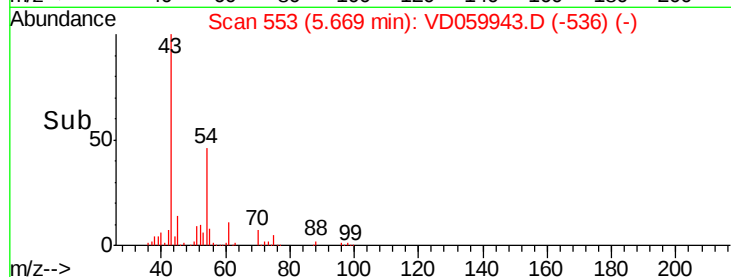
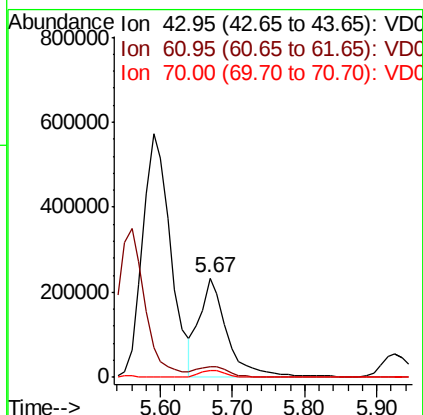
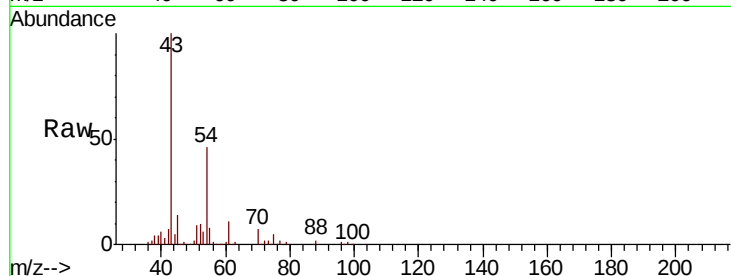




#37  
Ethyl Acetate  
Concen: 50.03 ug/l  
RT: 5.67 min Scan# 553  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

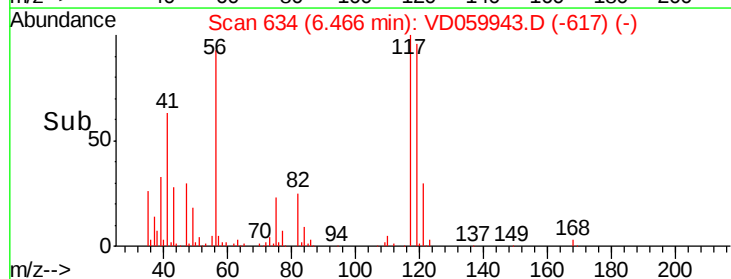
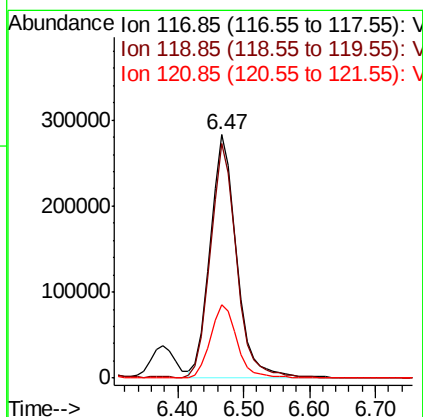
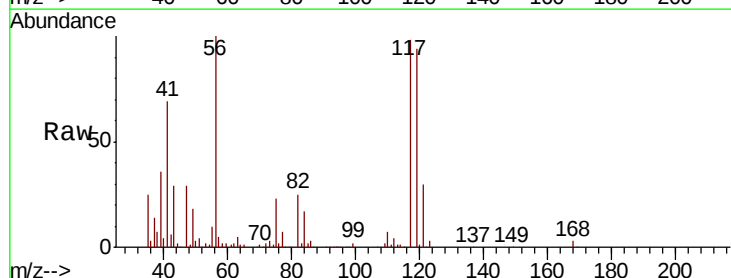
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

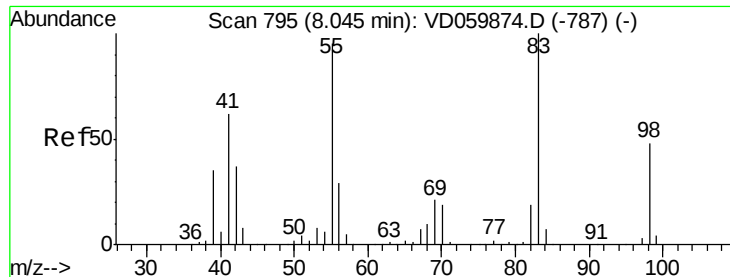
Tot Ion: 43 Resp: 601829  
Ion Ratio Lower Upper  
43 100  
61 11.1 11.0 16.6  
70 6.6 5.7 8.5



#38  
Carbon Tetrachloride  
Concen: 49.48 ug/l  
RT: 6.47 min Scan# 634  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 117 Resp: 771903  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.2 115.8  
121 30.3 24.0 36.0

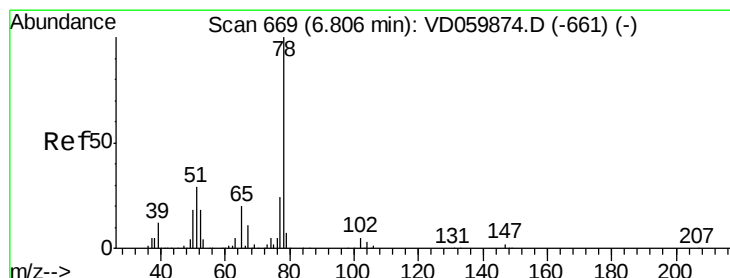
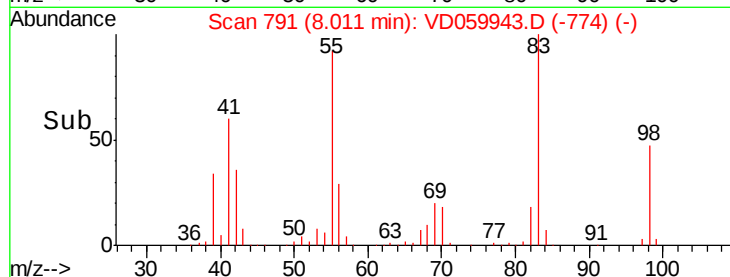
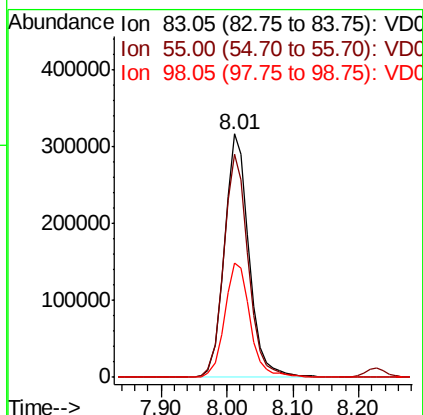
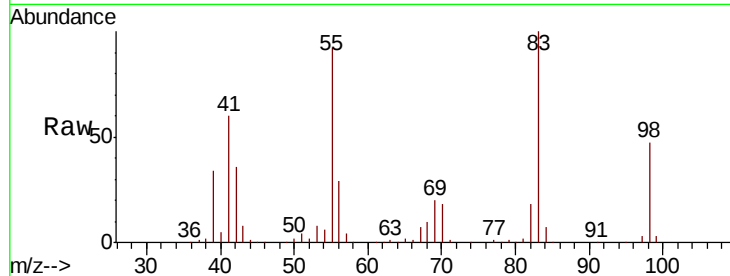




#39  
Methvlcvclohexane  
Concen: 49.32 ug/l  
RT: 8.01 min Scan# 791  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

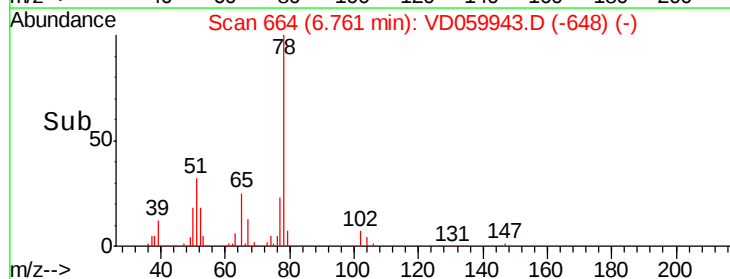
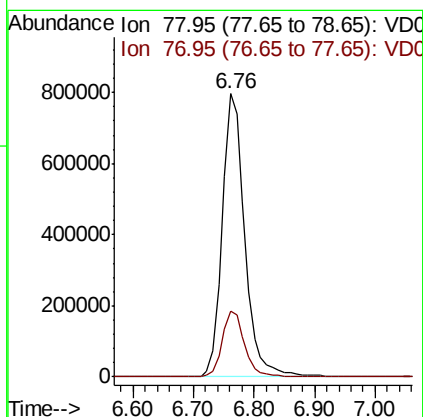
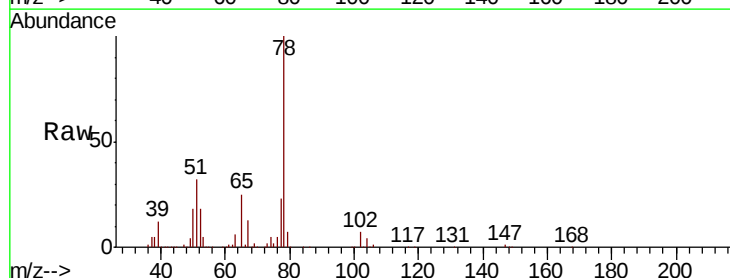
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 83 Resp: 823729  
Ion Ratio Lower Upper  
83 100  
55 91.9 75.8 113.6  
98 47.1 38.3 57.5



#40  
Benzene  
Concen: 51.08 ug/l  
RT: 6.76 min Scan# 664  
Delta R.T. -0.04 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 78 Resp: 2053158  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.0 28.4

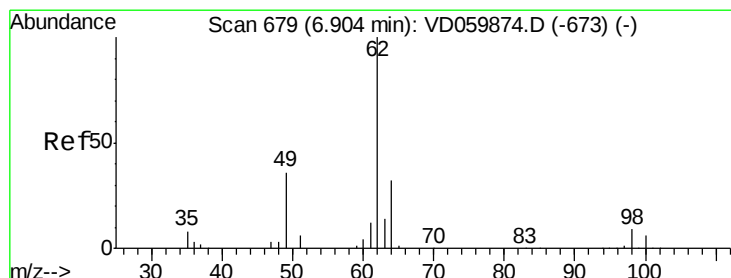
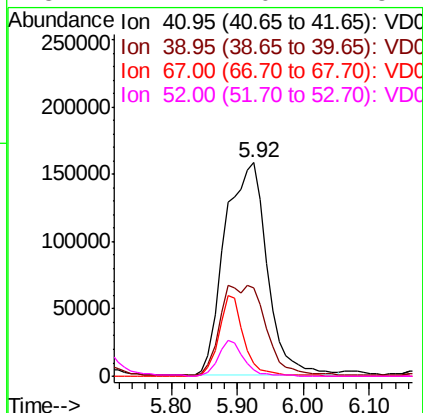
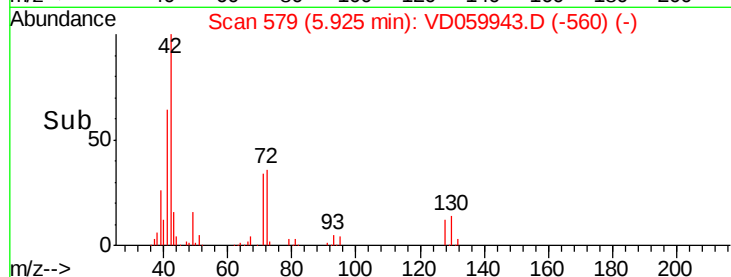
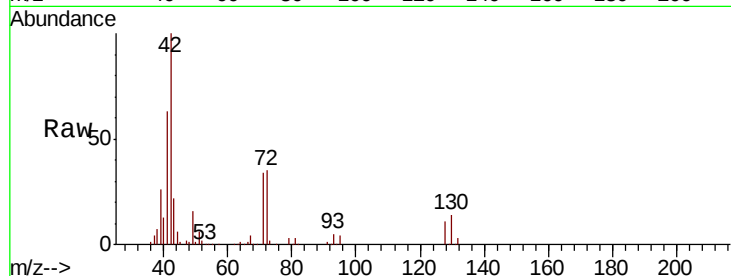




#41  
Methacrylonitrile  
Concen: 117.49 ug/l  
RT: 5.92 min Scan# 579  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

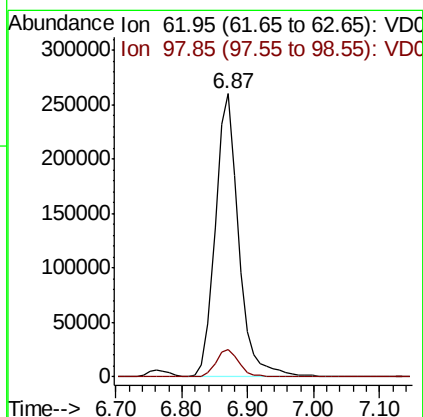
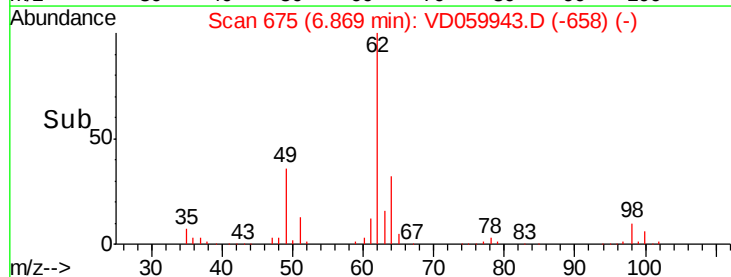
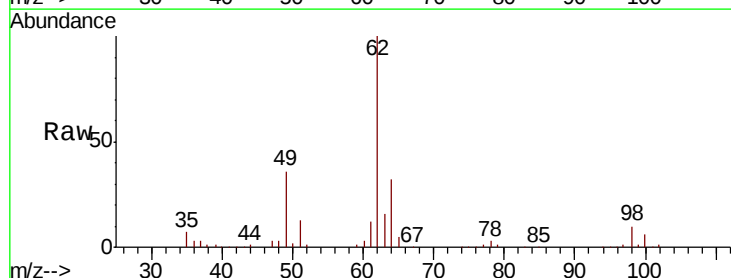
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

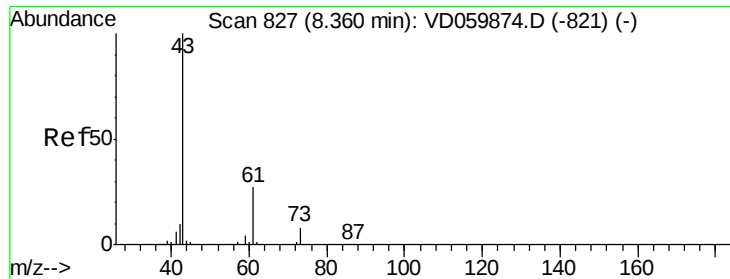
Tot Ion: 41 Resp: 711882  
Ion Ratio Lower Upper  
41 100  
39 41.4 39.4 59.2  
67 6.1 22.2 33.2#  
52 2.7 10.1 15.1#



#42  
1,2-Dichloroethane  
Concen: 49.19 ug/l  
RT: 6.87 min Scan# 675  
Delta R.T. -0.03 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 62 Resp: 634648  
Ion Ratio Lower Upper  
62 100  
98 9.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 52.93 ug/l

RT: 8.33 min Scan# 823

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

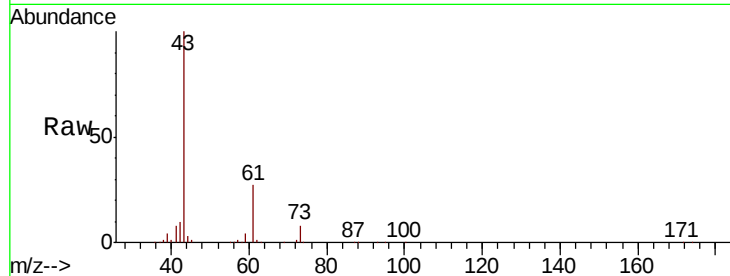
Tot Ion: 43 Resp: 828358

Ion Ratio Lower Upper

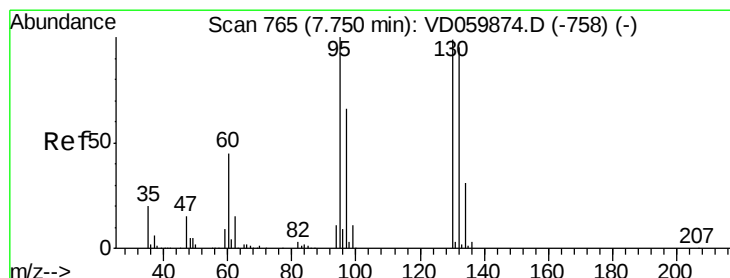
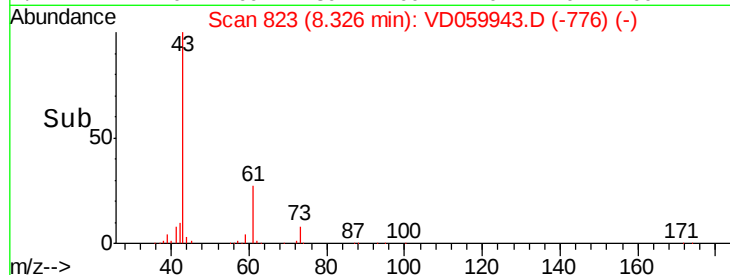
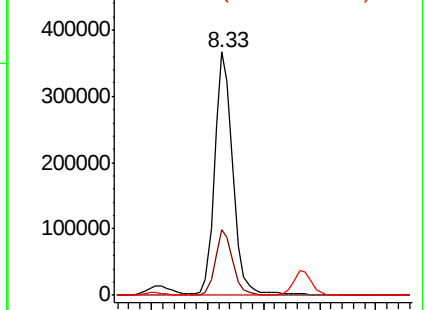
43 100

61 27.0 21.4 32.2

87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.71 ug/l

RT: 7.72 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD059943.D

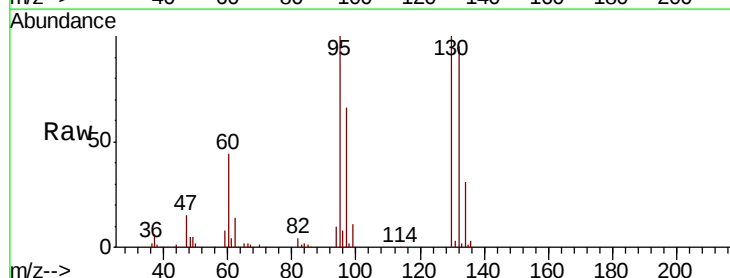
Acq: 4 Sep 2018 14:14

Tgt Ion: 130 Resp: 623805

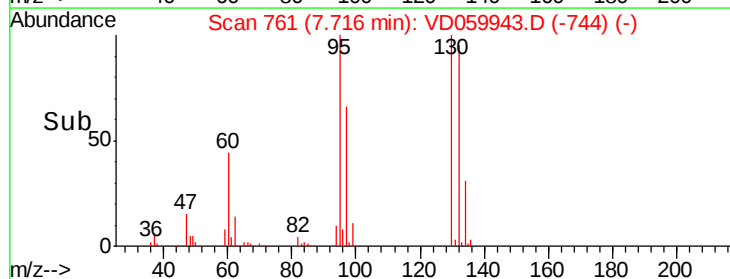
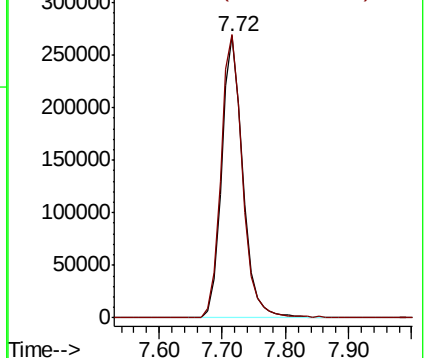
Ion Ratio Lower Upper

130 100

95 100.4 0.0 202.0



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

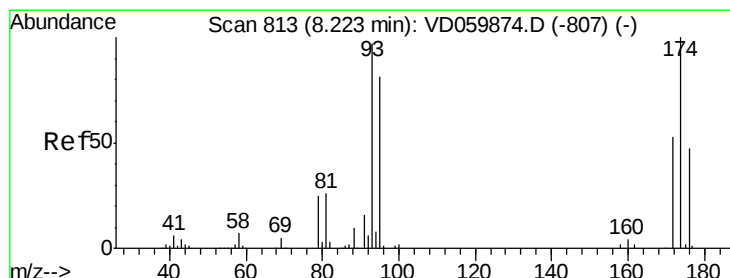
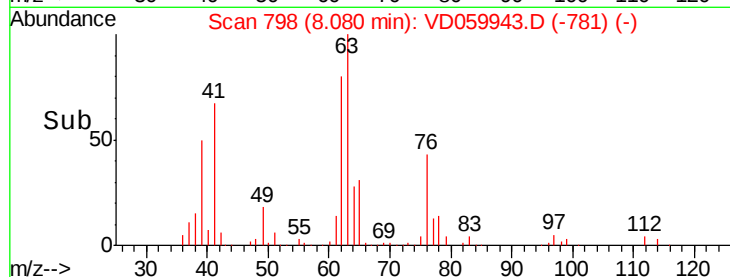
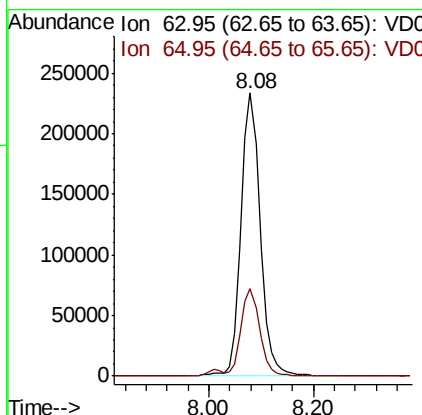
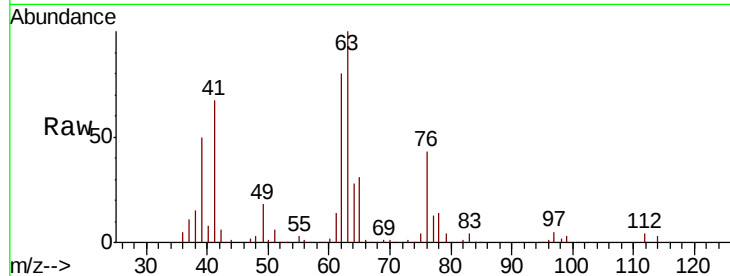




#45  
 1,2-Dichloropropane  
 Concen: 51.35 ug/l  
 RT: 8.08 min Scan# 798  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

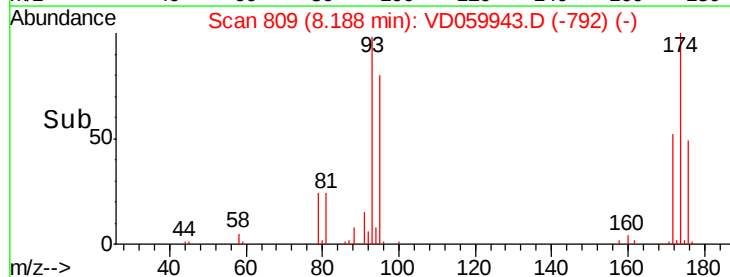
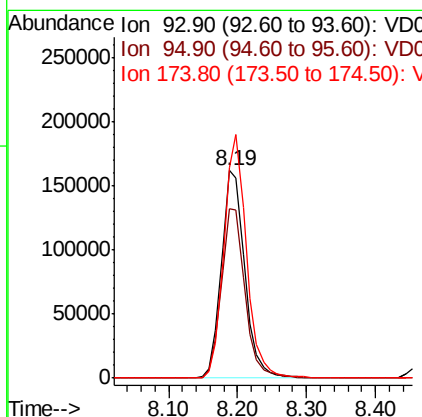
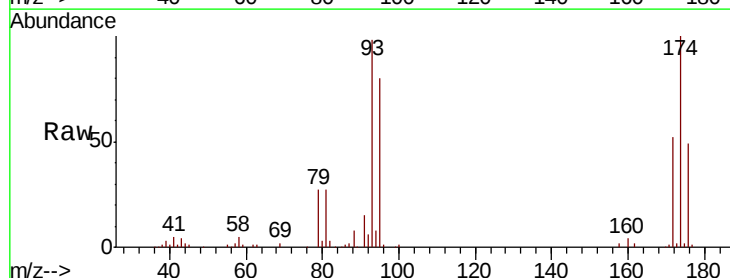
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

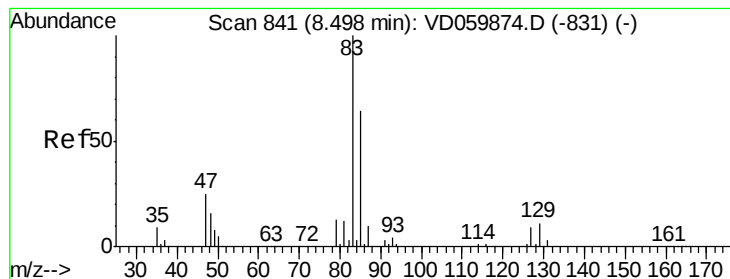
Tot Ion: 63 Resp: 576917  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 23.5 35.3



#46  
 Dibromomethane  
 Concen: 52.68 ug/l  
 RT: 8.19 min Scan# 809  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion: 93 Resp: 380577  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 66.6 100.0  
 174 101.7 82.4 123.6





#47

Bromodichloromethane

Concen: 51.12 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

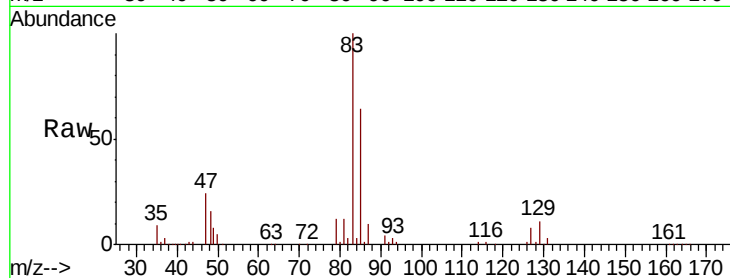
Tot Ion: 83 Resp: 836050

Ion Ratio Lower Upper

83 100

85 64.5 51.3 76.9

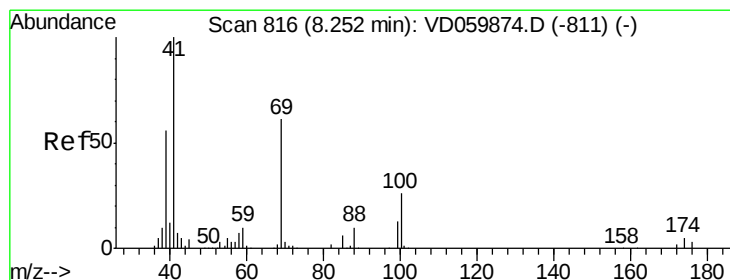
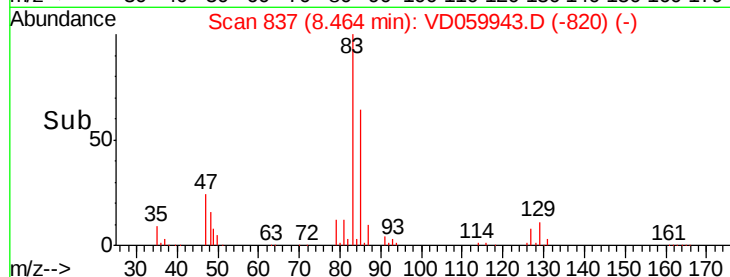
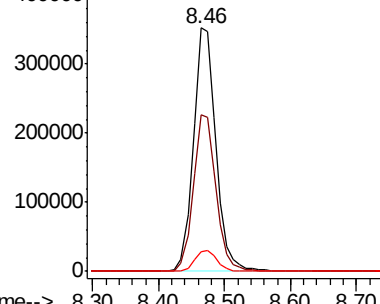
127 8.3 7.0 10.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.65 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

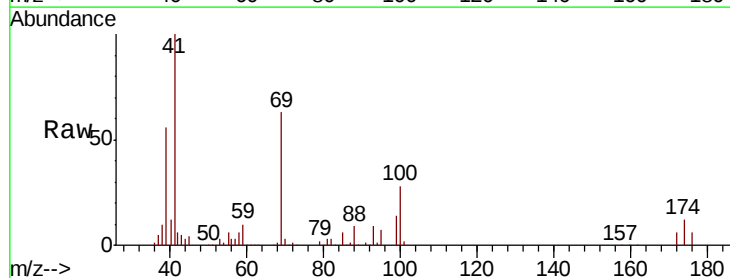
Tgt Ion: 41 Resp: 462023

Ion Ratio Lower Upper

41 100

69 62.8 48.0 72.0

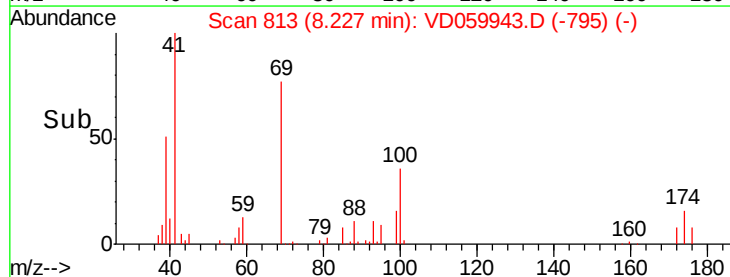
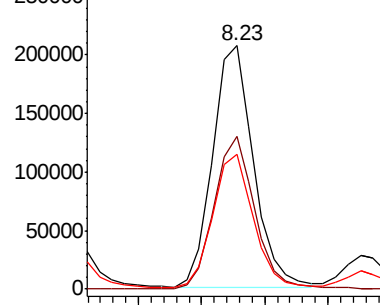
39 55.5 45.4 68.0

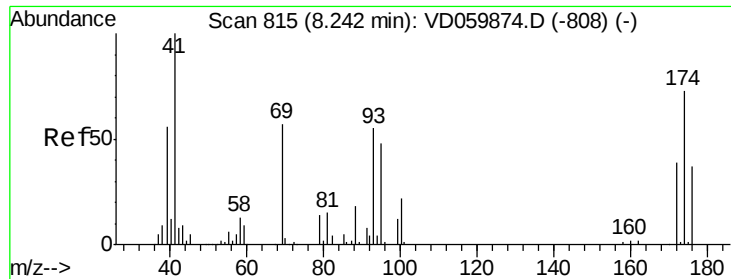


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

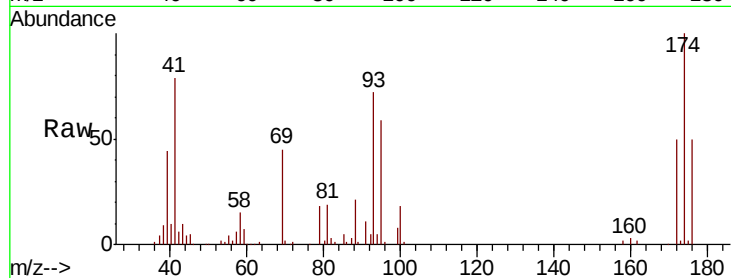




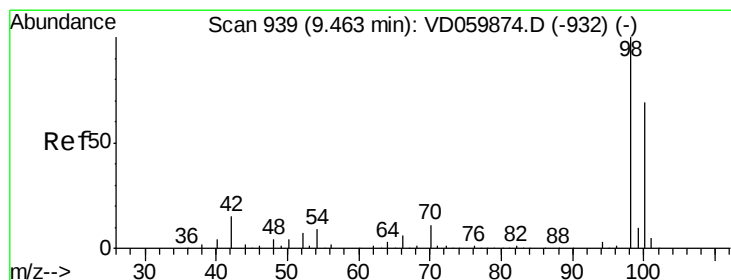
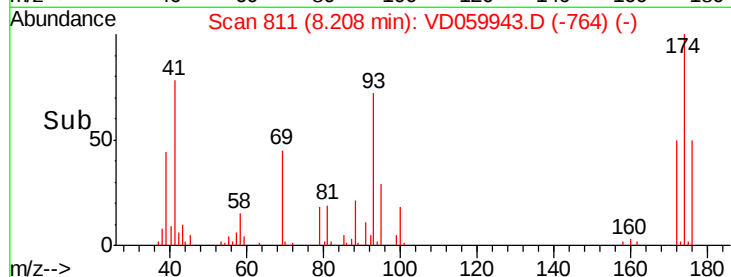
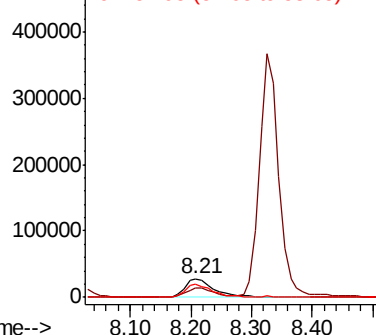
#49  
 1,4-Dioxane  
 Concen: 1140.59 ug/l  
 RT: 8.21 min Scan# 811  
 Delta R.T. -0.03 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 88 Resp: 92893  
 Ion Ratio Lower Upper  
 88 100  
 43 46.6 45.0 67.6  
 58 69.9 55.8 83.8

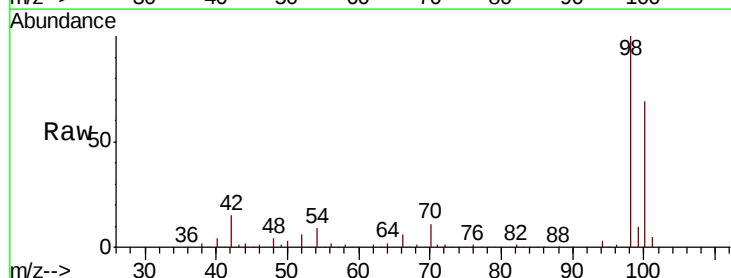


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

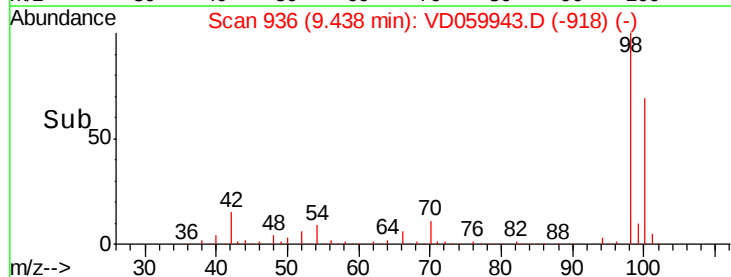
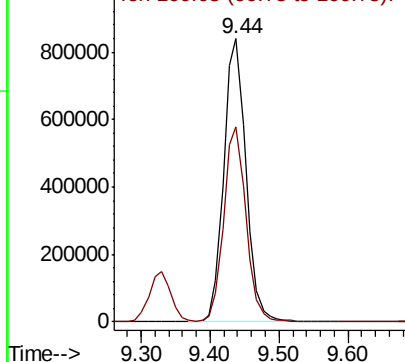


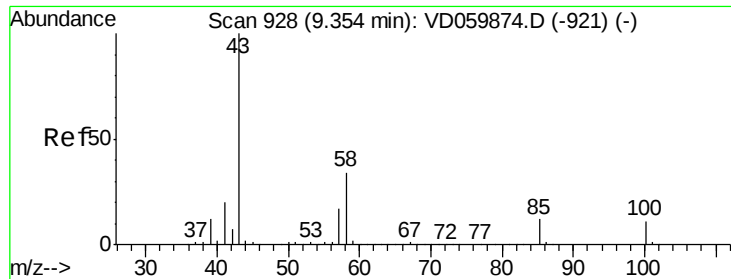
#50  
 Toluene-d8  
 Concen: 1140.59 ug/l  
 RT: 9.44 min Scan# 936  
 Delta R.T. -0.02 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion: 98 Resp: 1873389  
 Ion Ratio Lower Upper  
 98 100  
 100 68.8 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC  
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 282.68 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleID :

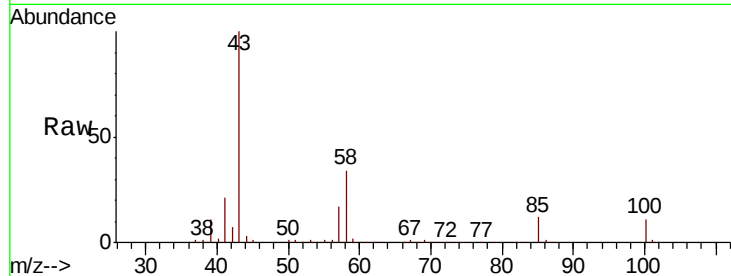
VSTDCCC050

Tot Ion: 43 Resp: 3297978

Ion Ratio Lower Upper

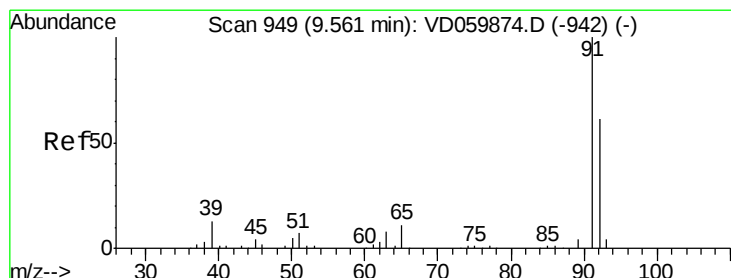
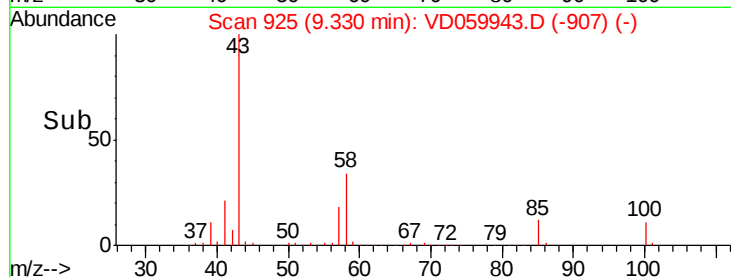
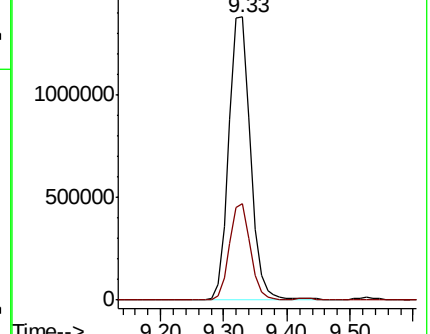
43 100

58 34.1 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.42 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059943.D

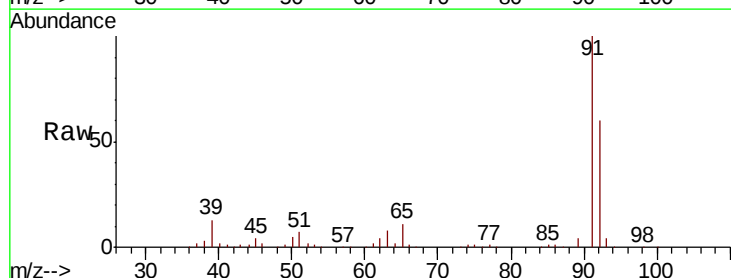
Acq: 4 Sep 2018 14:14

Tgt Ion: 92 Resp: 1325251

Ion Ratio Lower Upper

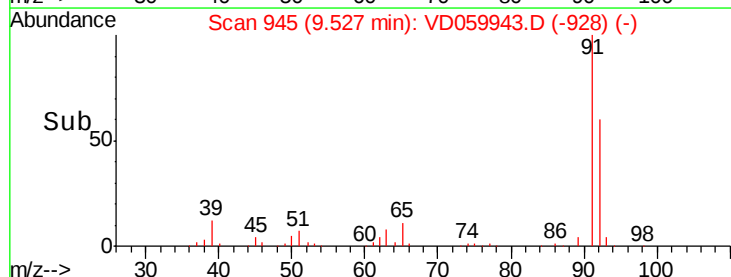
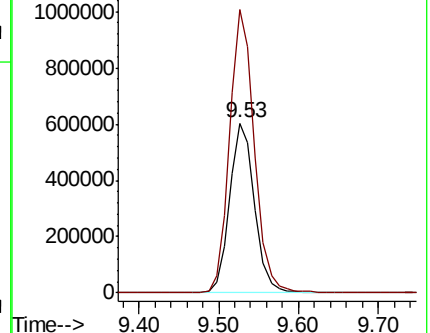
92 100

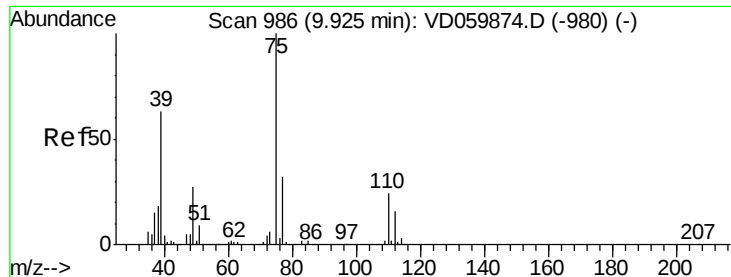
91 166.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.26 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

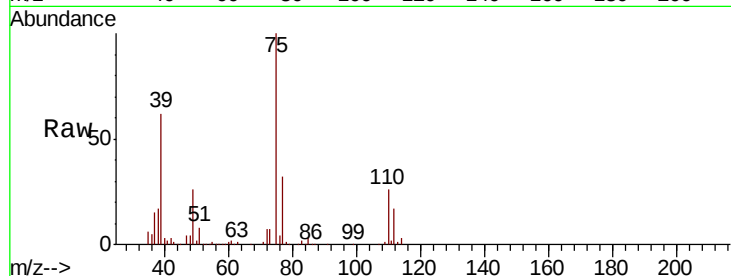
VSTDCCC050

Tot Ion: 75 Resp: 775385

Ion Ratio Lower Upper

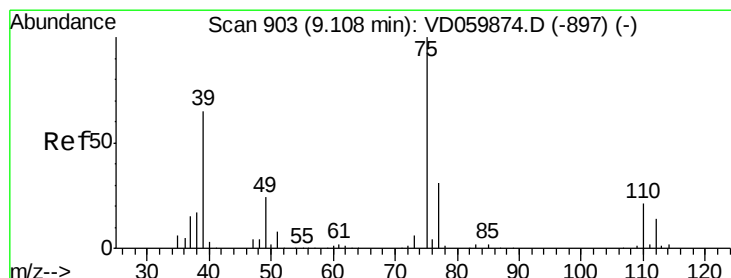
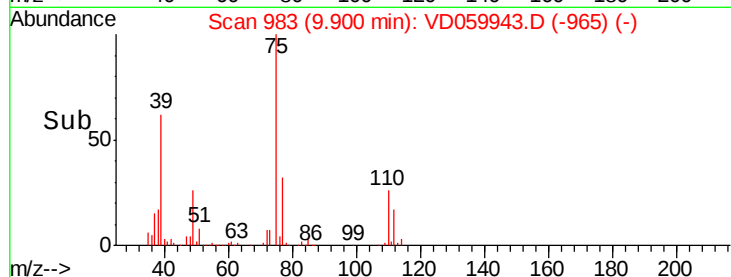
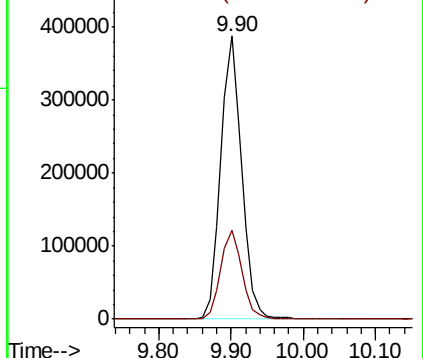
75 100

77 31.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.92 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

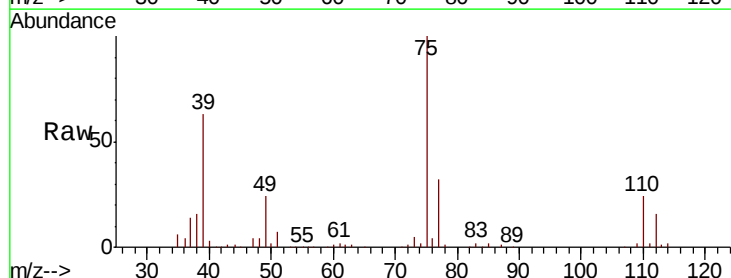
Tgt Ion: 75 Resp: 893088

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

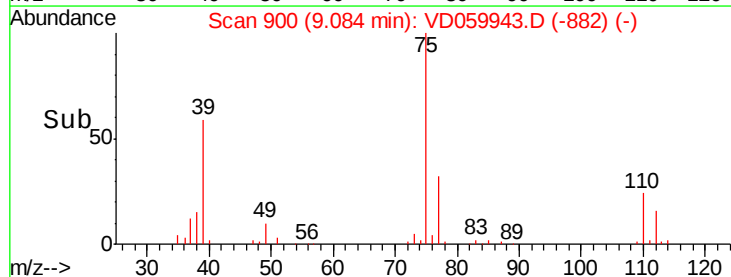
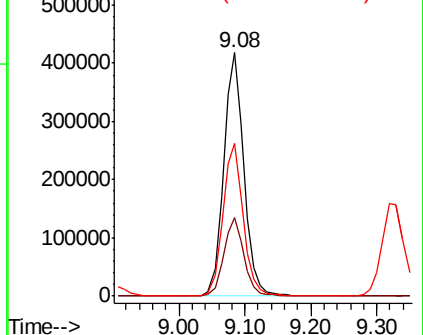
39 62.7 52.1 78.1

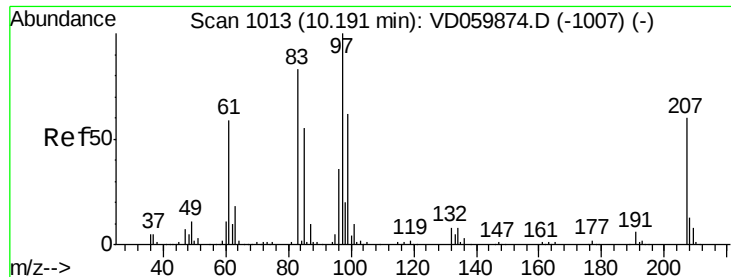


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

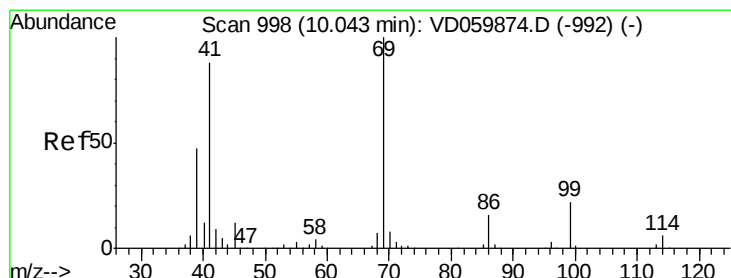
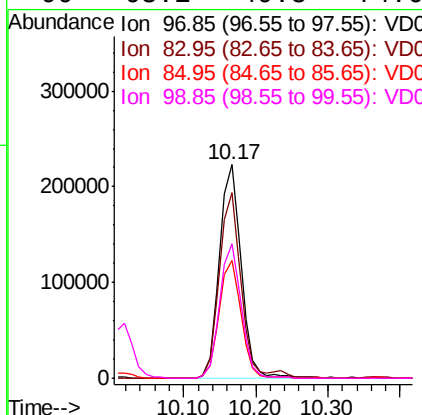
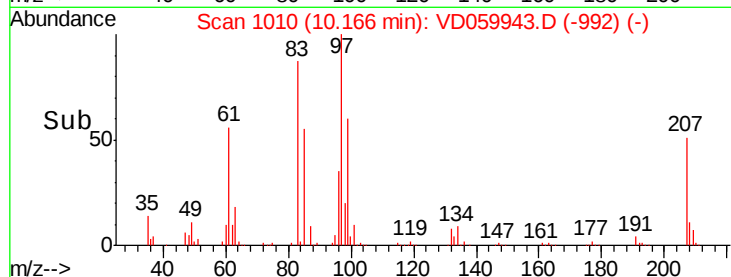
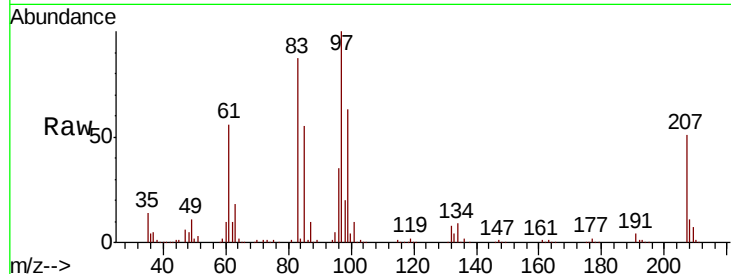




#55  
 1,1,2-Trichloroethane  
 Concen: 49.41 ug/l  
 RT: 10.17 min Scan# 1010  
 Delta R.T. -0.02 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

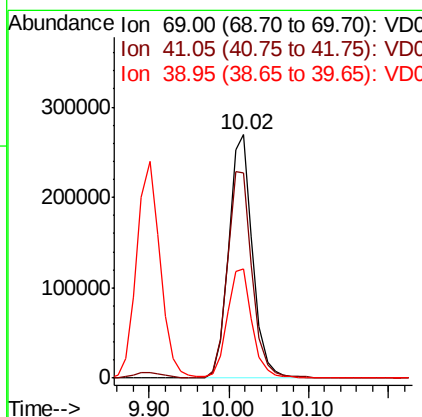
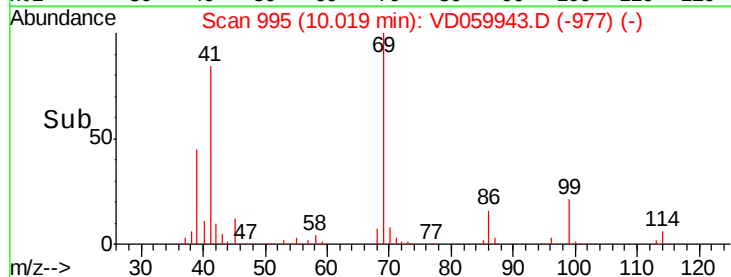
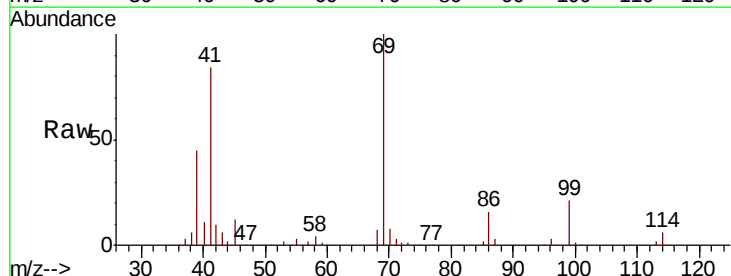
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

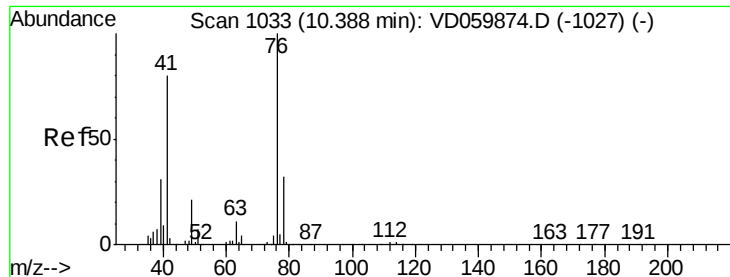
Tot Ion: 97 Resp: 465462  
 Ion Ratio Lower Upper  
 97 100  
 83 86.7 66.7 100.1  
 85 55.1 43.8 65.6  
 99 63.1 49.8 74.6



#56  
 Ethyl methacrylate  
 Concen: 51.92 ug/l  
 RT: 10.02 min Scan# 995  
 Delta R.T. -0.02 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion: 69 Resp: 564511  
 Ion Ratio Lower Upper  
 69 100  
 41 84.2 71.0 106.4  
 39 44.6 38.5 57.7





#57

1,3-Dichloropropane

Concen: 52.29 ug/l

RT: 10.36 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

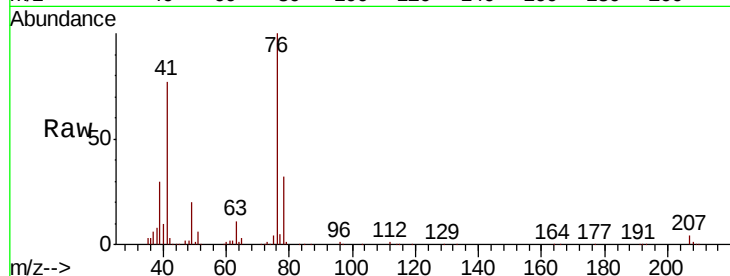
VSTDCCC050

Tot Ion: 76 Resp: 713051

Ion Ratio Lower Upper

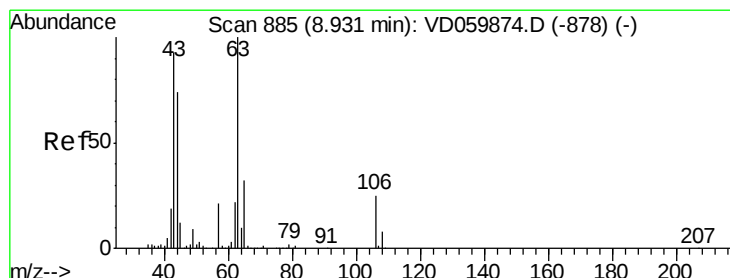
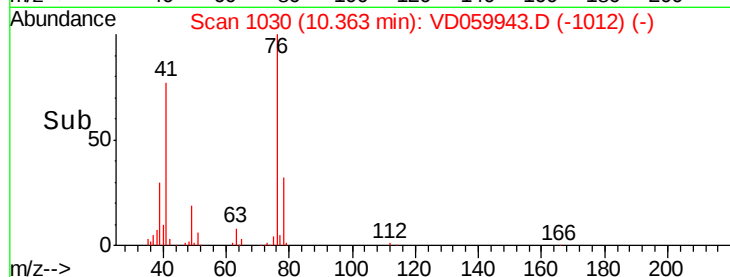
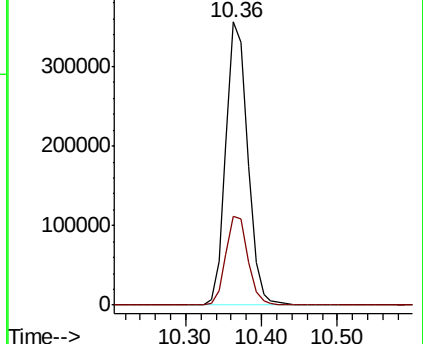
76 100

78 31.6 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 277.39 ug/l

RT: 8.91 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD059943.D

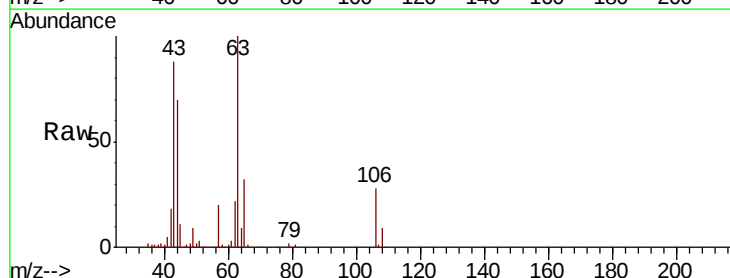
Acq: 4 Sep 2018 14:14

Tgt Ion: 63 Resp: 1446870

Ion Ratio Lower Upper

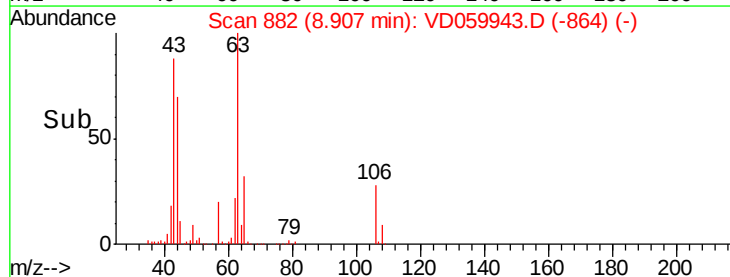
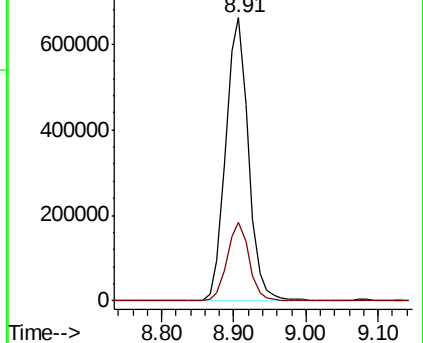
63 100

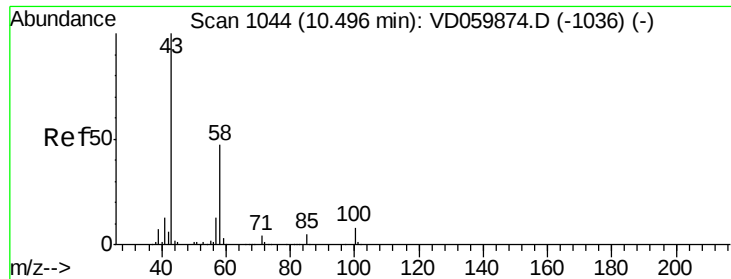
106 27.9 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

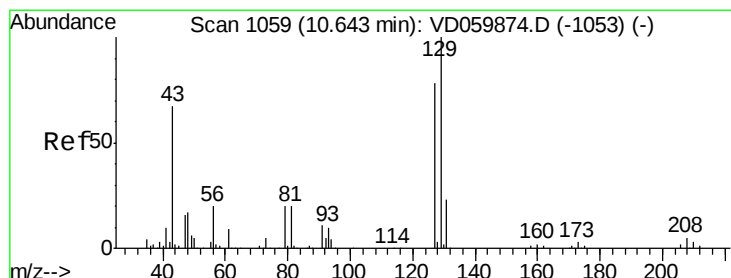
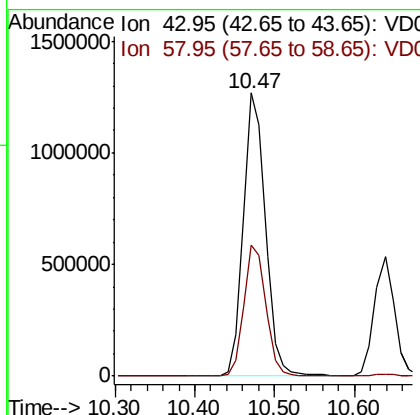
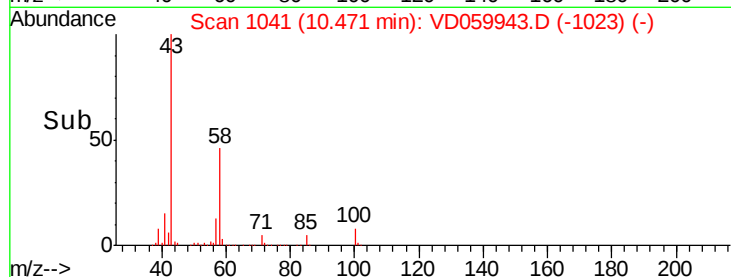
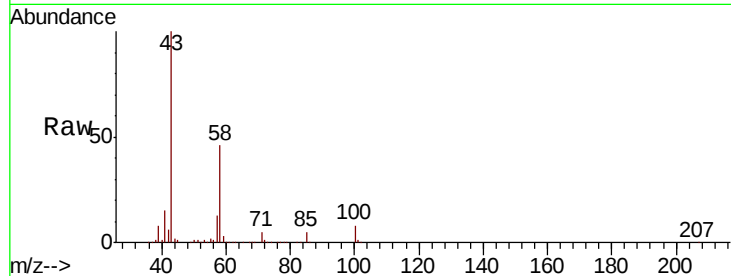




#59  
2-Hexanone  
Concen: 281.24 ug/l  
RT: 10.47 min Scan# 1041  
Delta R.T. -0.02 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

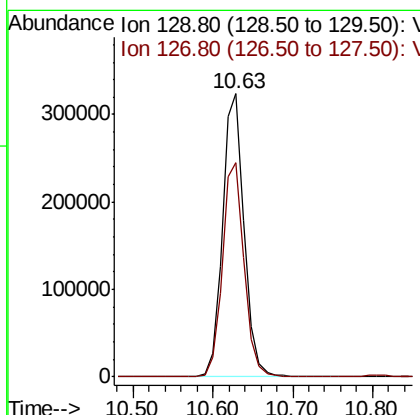
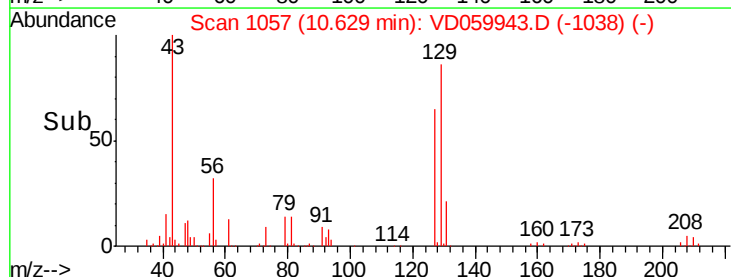
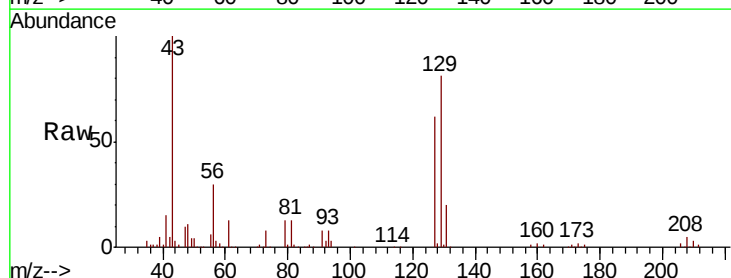
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

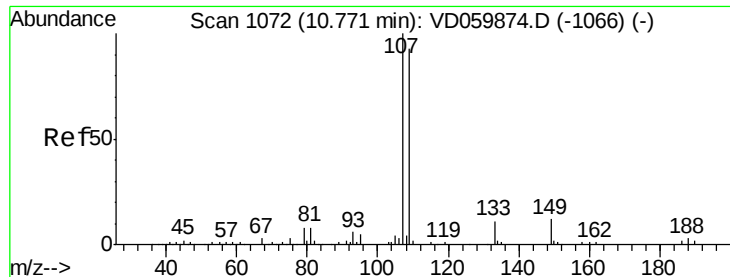
Tot Ion: 43 Resp: 2420121  
Ion Ratio Lower Upper  
43 100  
58 46.2 23.3 69.8



#60  
Dibromochloromethane  
Concen: 51.97 ug/l  
RT: 10.63 min Scan# 1057  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 129 Resp: 615431  
Ion Ratio Lower Upper  
129 100  
127 75.9 39.1 117.2

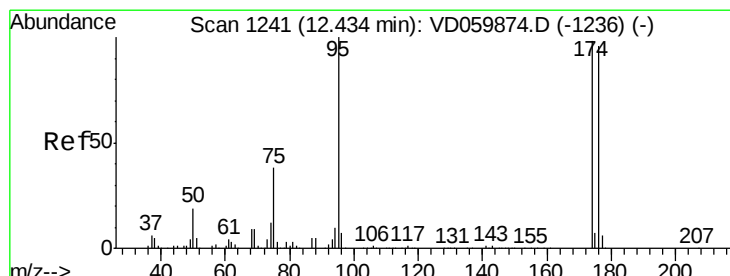
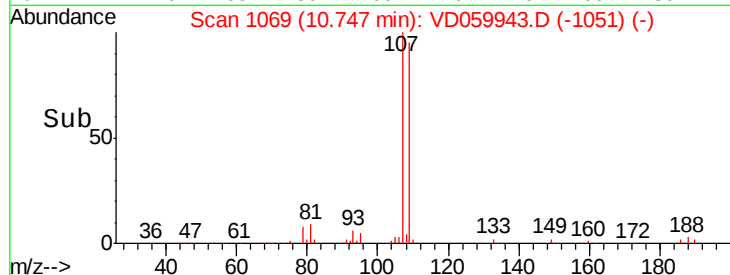
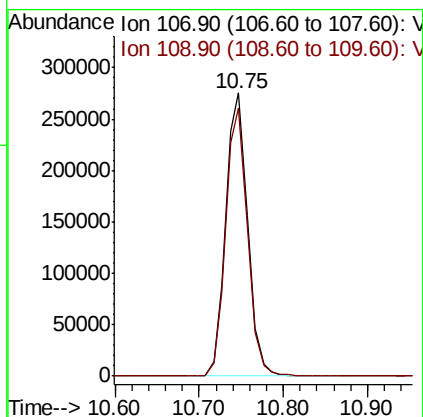
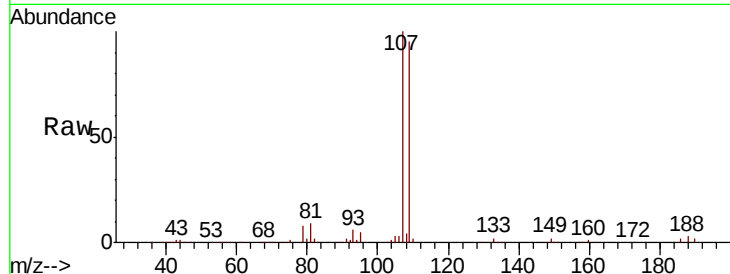




#61  
 1,2-Dibromoethane  
 Concen: 51.99 ug/l  
 RT: 10.75 min Scan# 1069  
 Delta R.T. -0.02 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

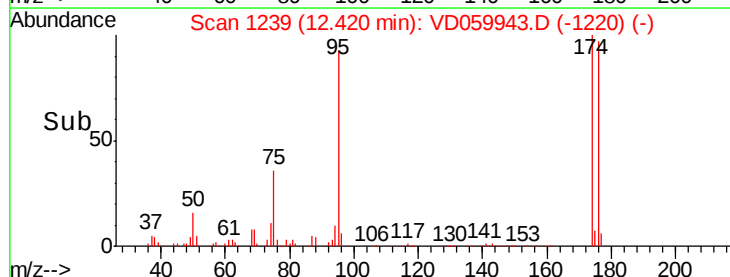
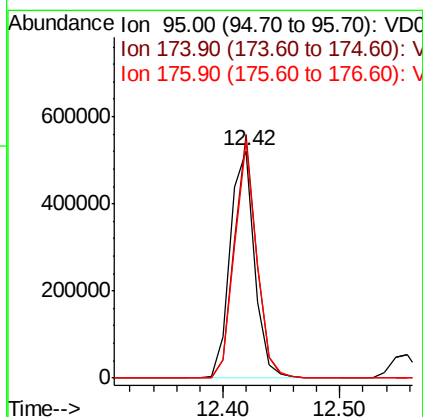
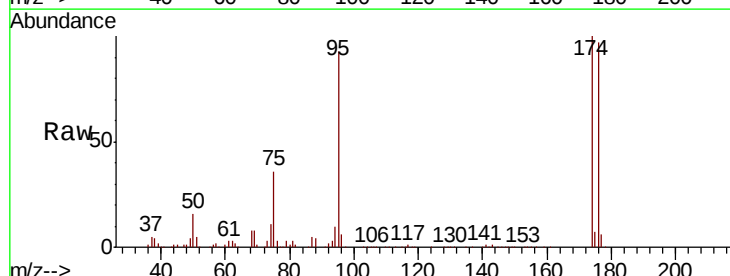
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

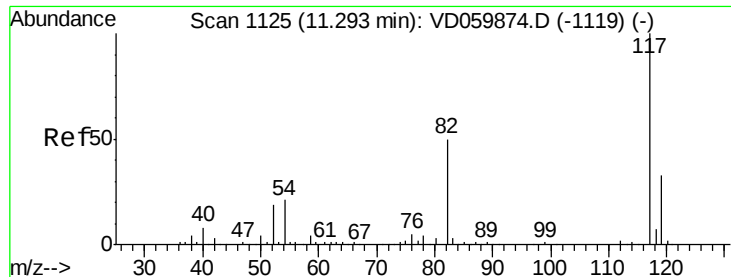
Tot Ion:107 Resp: 495217  
 Ion Ratio Lower Upper  
 107 100  
 109 94.9 74.6 112.0



#62  
 4-Bromofluorobenzene  
 Concen: 51.99 ug/l  
 RT: 12.42 min Scan# 1239  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion: 95 Resp: 755495  
 Ion Ratio Lower Upper  
 95 100  
 174 107.0 0.0 195.6  
 176 104.3 0.0 191.2

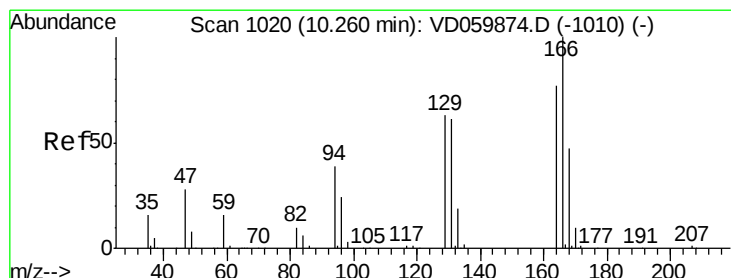
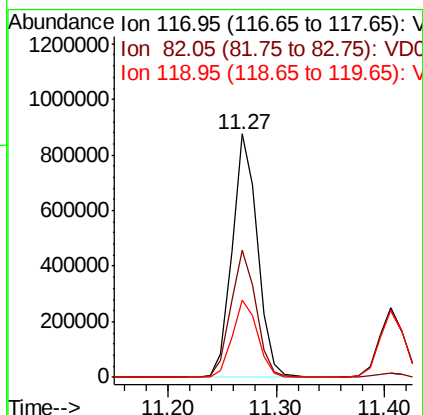
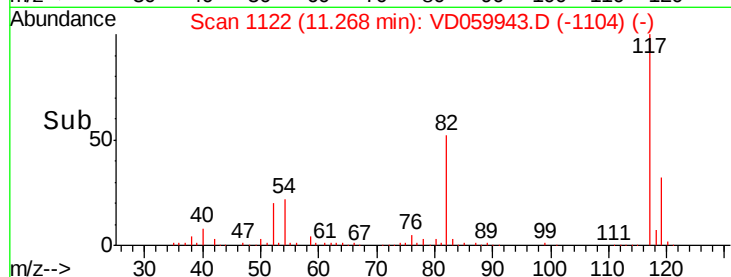
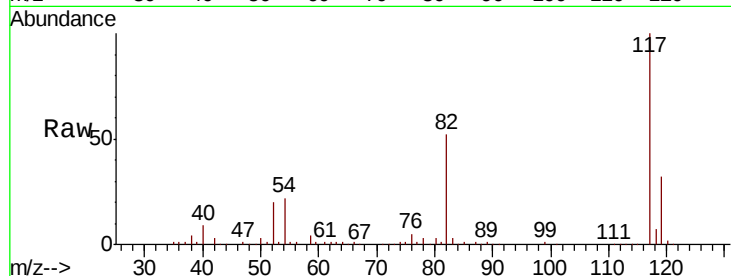




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.27 min Scan# 1122  
Delta R.T. -0.02 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

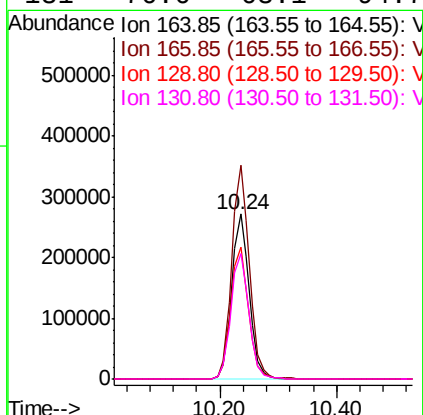
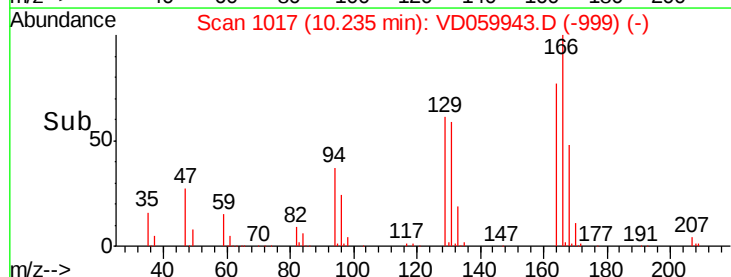
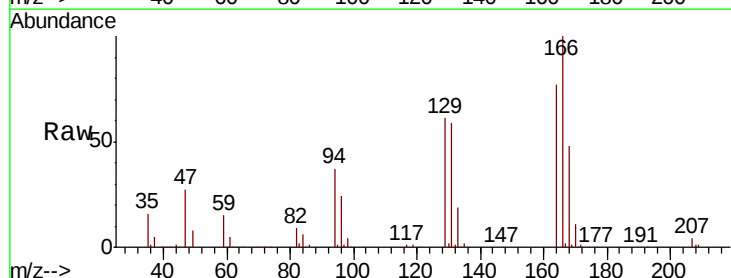
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 1425930  
Ion Ratio Lower Upper  
117 100  
82 52.1 40.1 60.1  
119 31.8 26.7 40.1



#64  
Tetrachloroethene  
Concen: 51.35 ug/l  
RT: 10.24 min Scan# 1017  
Delta R.T. -0.02 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion:164 Resp: 566184  
Ion Ratio Lower Upper  
164 100  
166 129.8 103.4 155.2  
129 79.8 65.2 97.8  
131 76.6 63.1 94.7





#65

Chlorobenzene

Concen: 53.13 ug/l

RT: 11.30 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

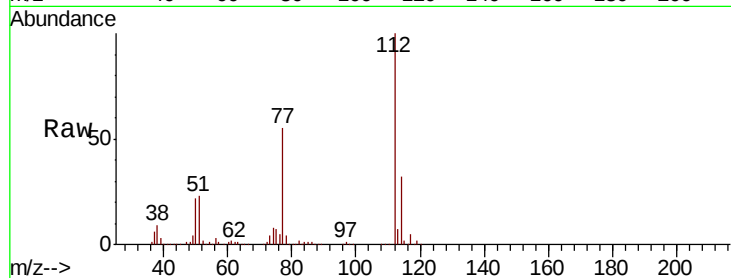
VSTDCCC050

Tot Ion:112 Resp: 1505500

Ion Ratio Lower Upper

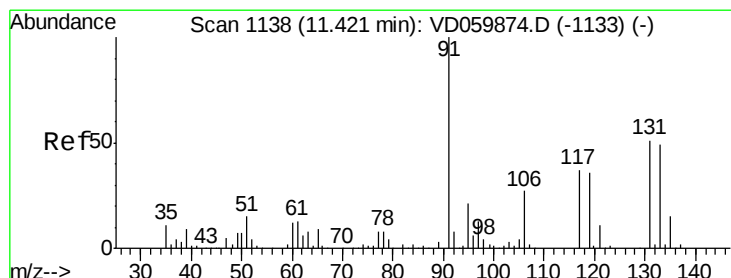
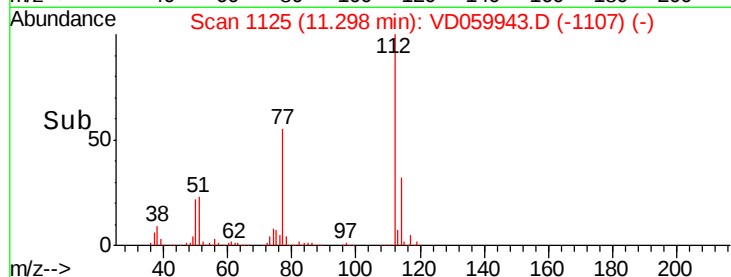
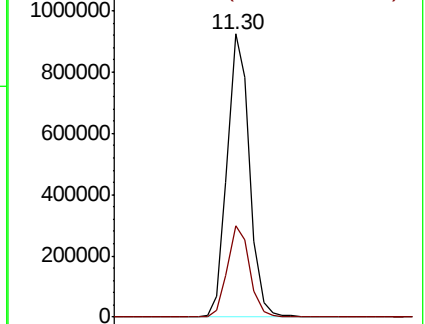
112 100

114 32.1 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.15 ug/l

RT: 11.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

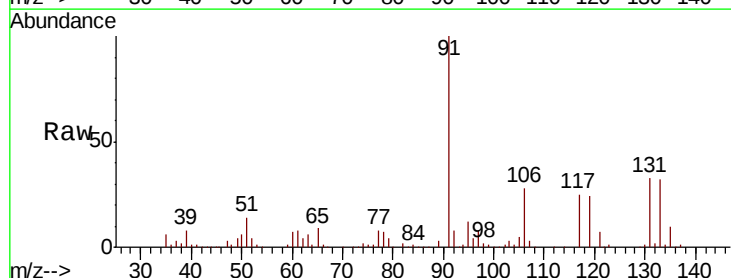
Tgt Ion:131 Resp: 539914

Ion Ratio Lower Upper

131 100

133 96.1 48.3 144.8

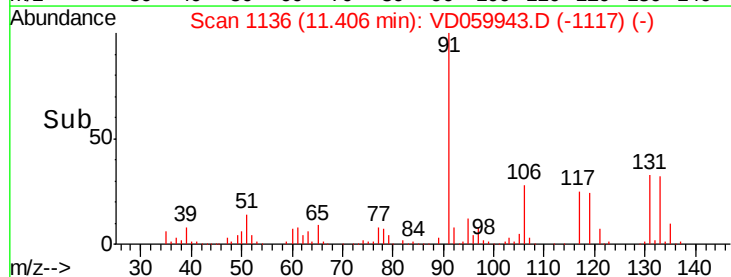
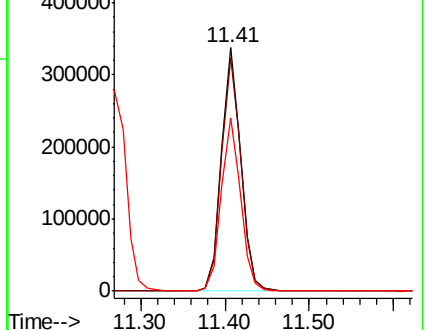
119 71.3 35.4 106.3

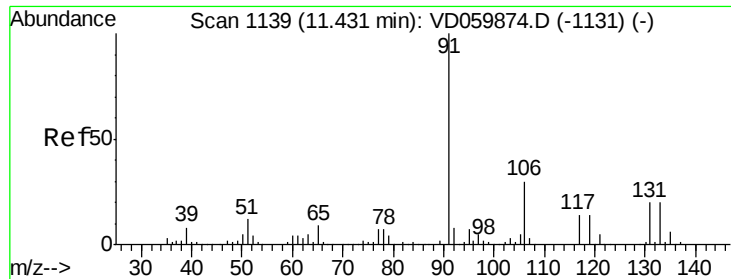


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

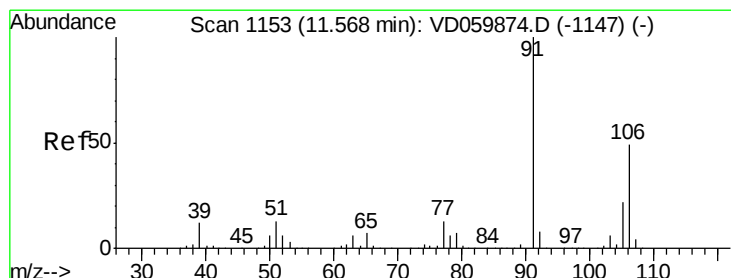
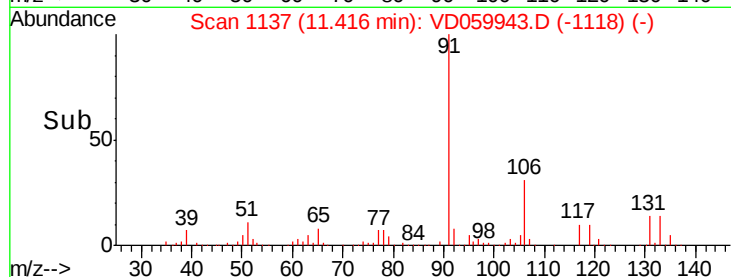
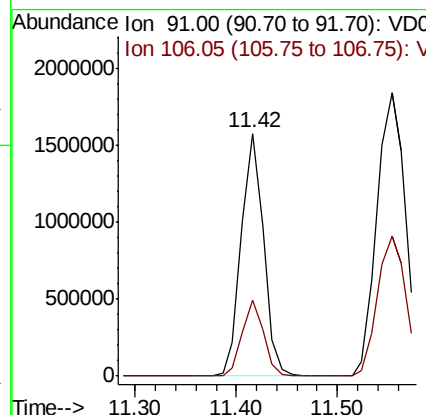
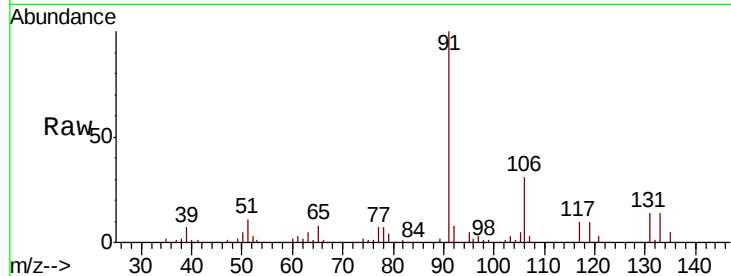




#67  
Ethyl Benzene  
Concen: 51.00 ug/l  
RT: 11.42 min Scan# 1137  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

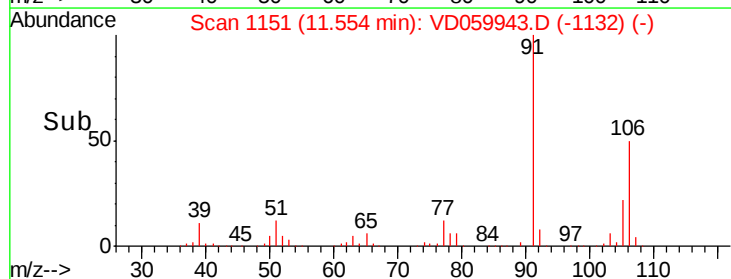
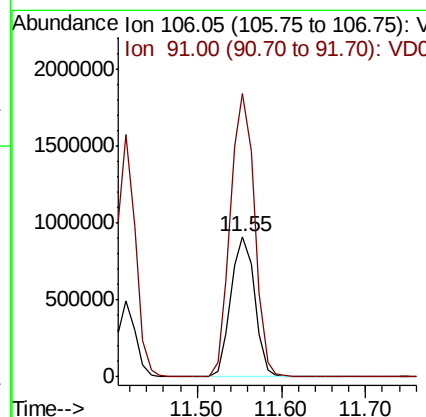
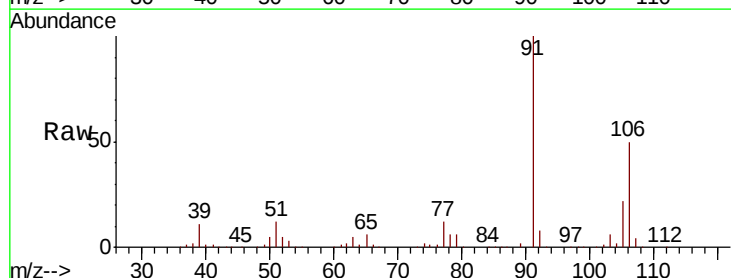
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

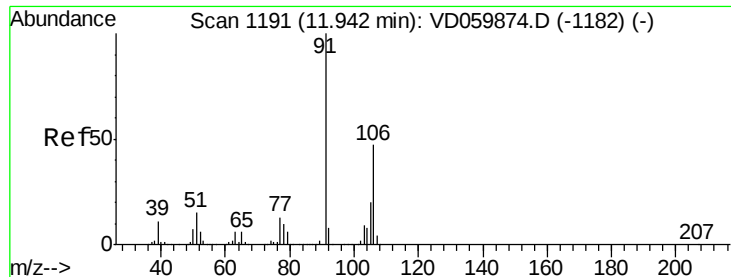
Tot Ion: 91 Resp: 2431047  
Ion Ratio Lower Upper  
91 100  
106 31.3 23.8 35.8



#68  
m/p-Xylenes  
Concen: 103.39 ug/l  
RT: 11.55 min Scan# 1151  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion:106 Resp: 1794577  
Ion Ratio Lower Upper  
106 100  
91 201.7 162.0 243.0

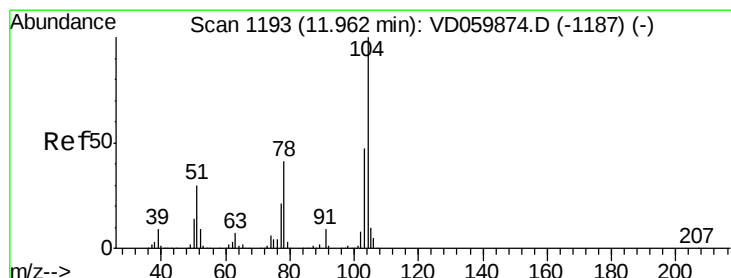
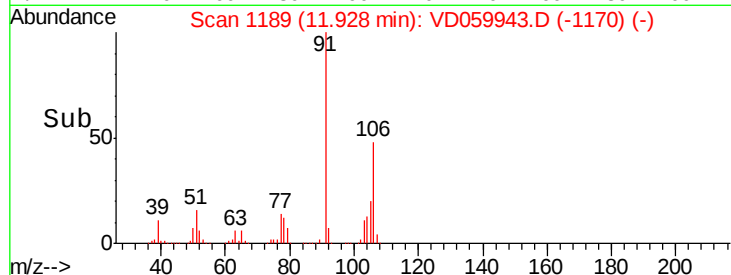
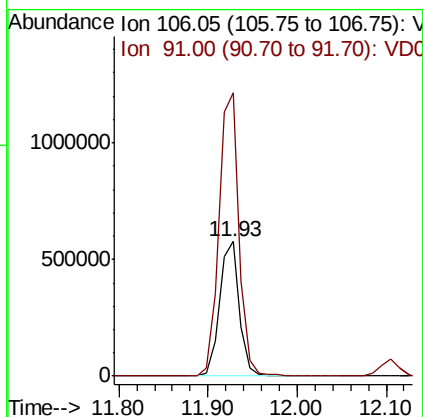
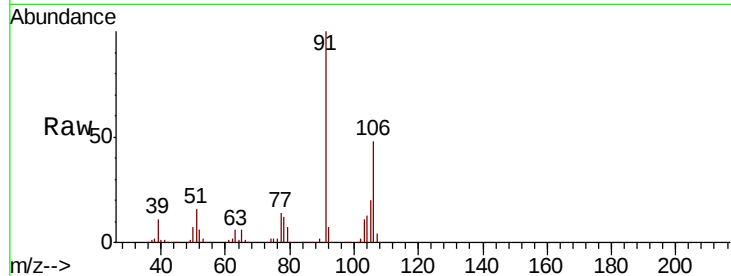




#69  
o-Xylene  
Concen: 53.02 ug/l  
RT: 11.93 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

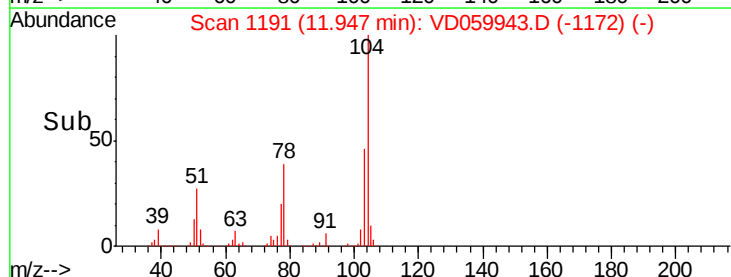
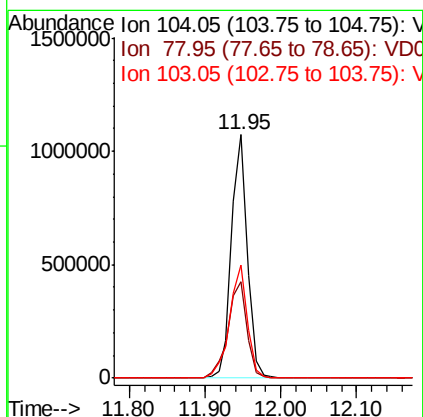
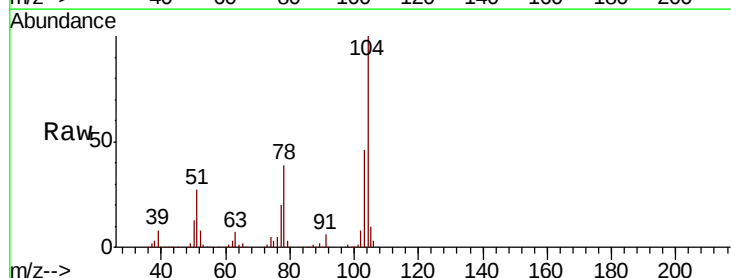
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 900001  
Ion Ratio Lower Upper  
106 100  
91 209.9 107.3 322.0



#70  
Styrene  
Concen: 52.63 ug/l  
RT: 11.95 min Scan# 1191  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion:104 Resp: 1547076  
Ion Ratio Lower Upper  
104 100  
78 39.4 32.6 49.0  
103 46.4 37.7 56.5

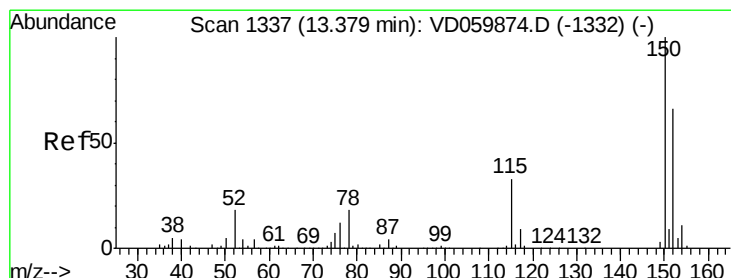
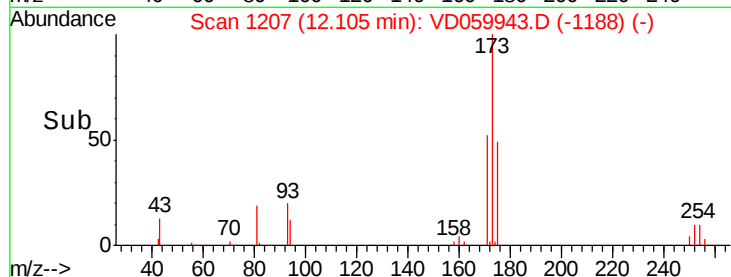
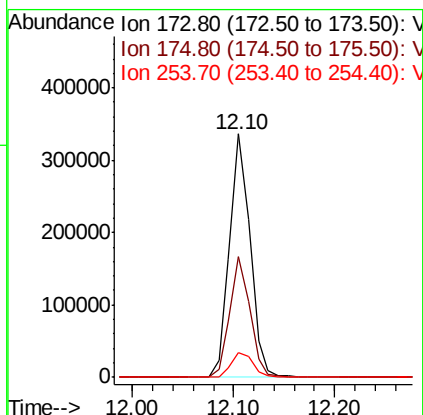
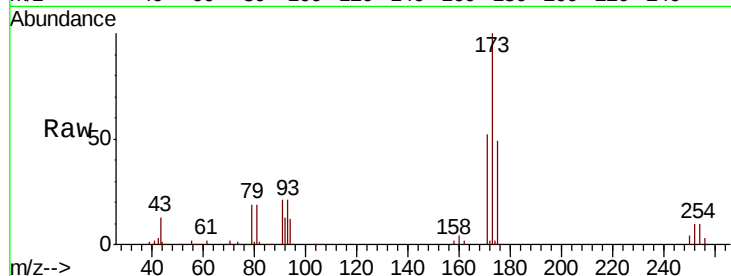




#71  
Bromoform  
Concen: 53.27 ug/l  
RT: 12.10 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

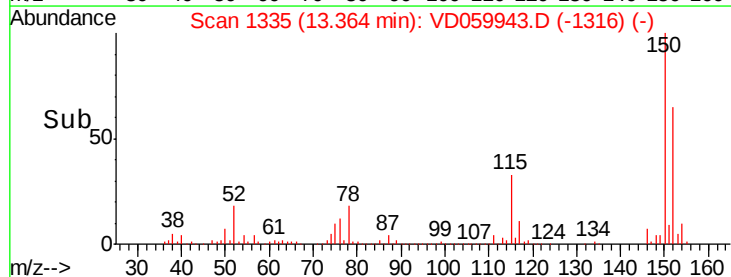
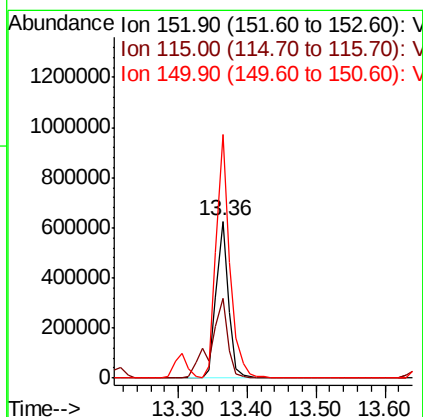
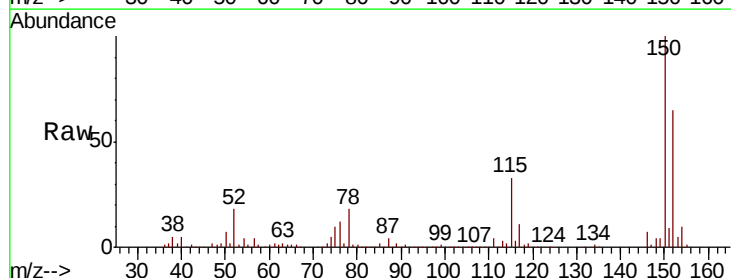
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:173 Resp: 477164  
Ion Ratio Lower Upper  
173 100  
175 49.3 24.3 73.0  
254 10.2 7.0 10.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.36 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion:152 Resp: 775625  
Ion Ratio Lower Upper  
152 100  
115 51.0 25.7 77.0  
150 154.9 0.0 310.2





#73

Isopropylbenzene

Concen: 49.88 ug/l

RT: 12.26 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

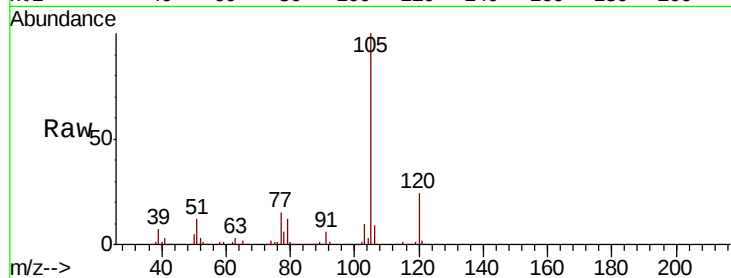
VSTDCCC050

Tot Ion:105 Resp: 2469866

Ion Ratio Lower Upper

105 100

120 23.7 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.26

1500000

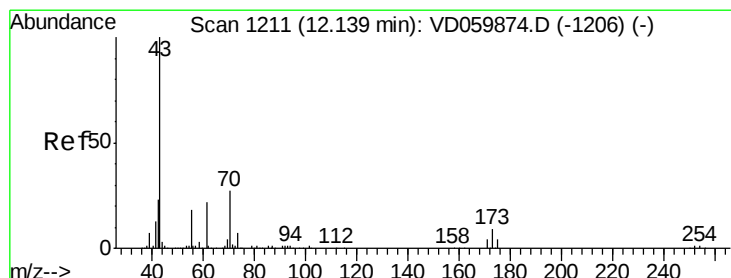
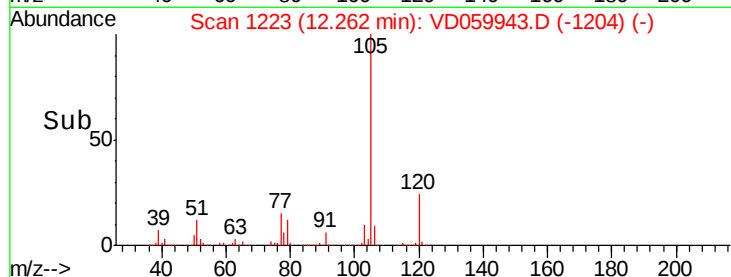
1000000

500000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 48.29 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Tgt Ion: 43 Resp: 1046946

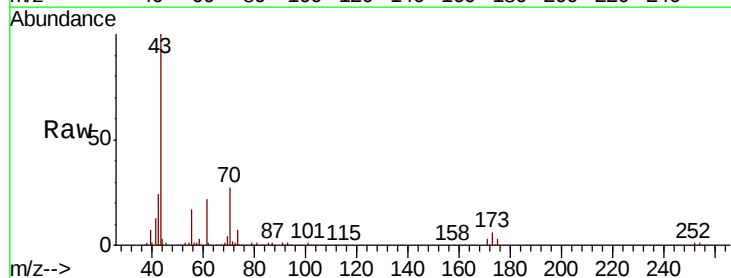
Ion Ratio Lower Upper

43 100

70 26.7 21.4 32.2

55 17.0 14.1 21.1

61 22.3 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

1200000

1000000

800000

600000

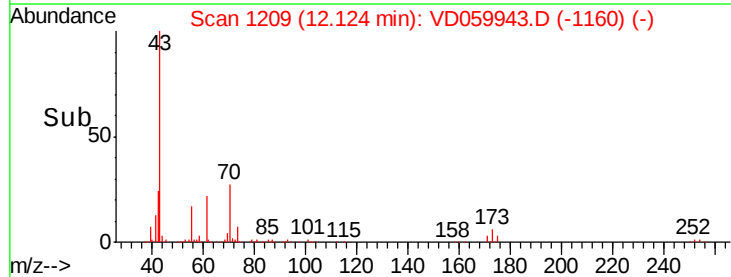
400000

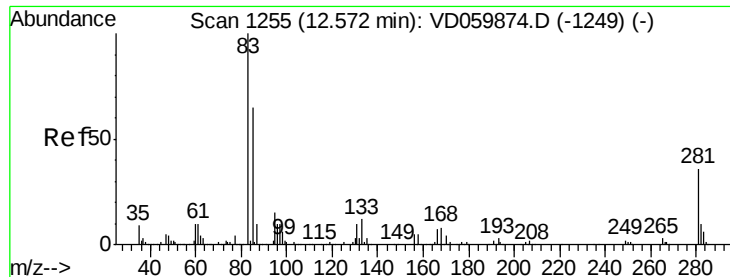
200000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 51.63 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

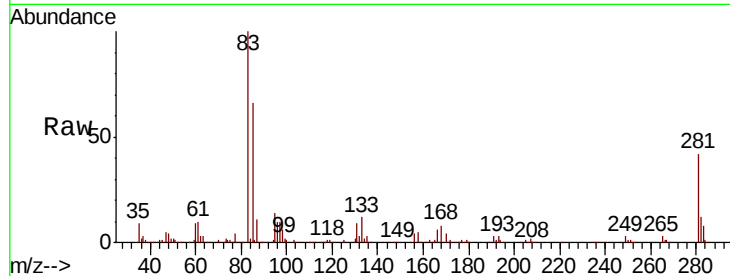
Tot Ion: 83 Resp: 591337

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 66.2 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

500000

400000

300000

200000

100000

0

12.56

12.57

12.58

12.59

12.60

12.61

12.62

12.63

12.64

12.65

12.66

12.67

12.68

12.69

12.70

12.71

12.72

12.73

12.74

12.75

12.76

12.77

12.78

12.79

12.80

12.81

12.82

12.83

12.84

12.85

12.86

12.87

12.88

12.89

12.90

12.91

12.92

12.93

12.94

12.95

12.96

12.97

12.98

12.99

13.00

13.01

13.02

13.03

13.04

13.05

13.06

13.07

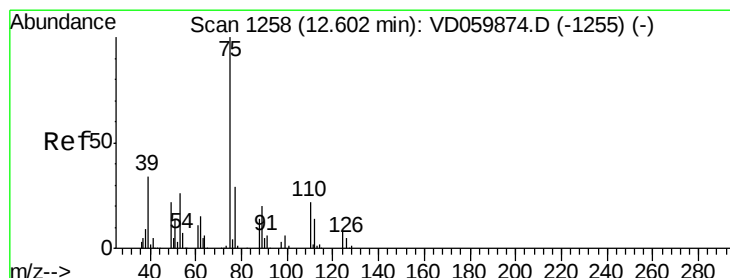
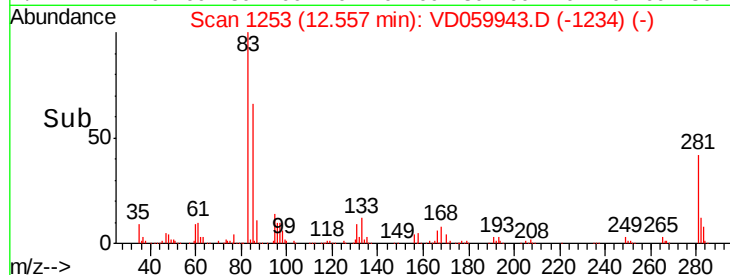
13.08

13.09

13.10

13.11

13.12



#76

1,2,3-Trichloropropane

Concen: 51.03 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059943.D

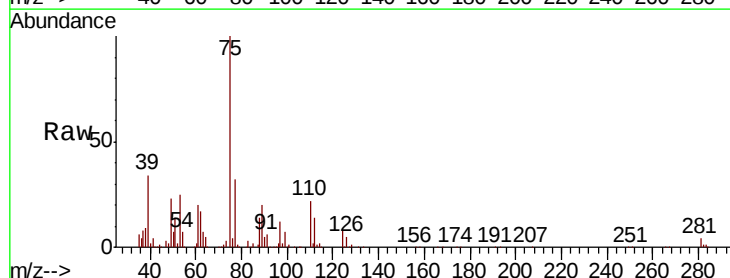
Acq: 4 Sep 2018 14:14

Tgt Ion: 75 Resp: 615126

Ion Ratio Lower Upper

75 100

77 31.7 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

800000

600000

400000

200000

0

12.59

12.60

12.61

12.62

12.63

12.64

12.65

12.66

12.67

12.68

12.69

12.70

12.71

12.72

12.73

12.74

12.75

12.76

12.77

12.78

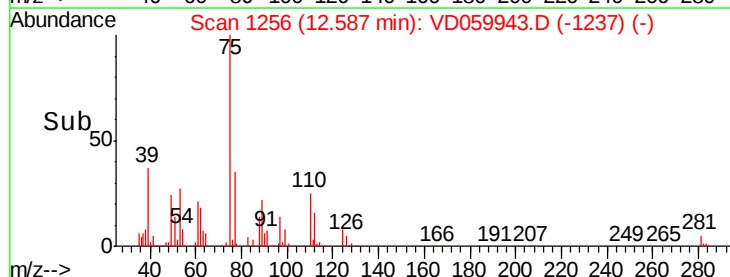
12.79

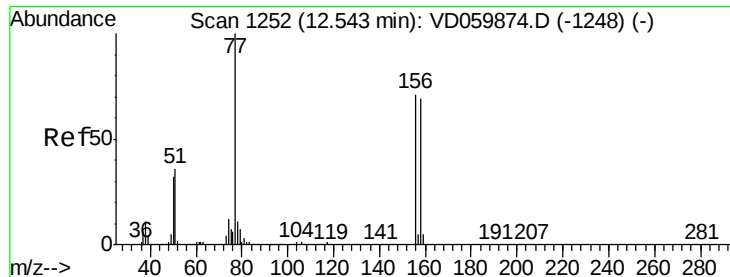
12.80

12.81

12.82

12.83

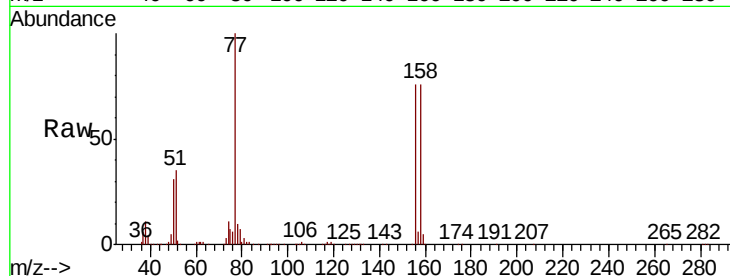




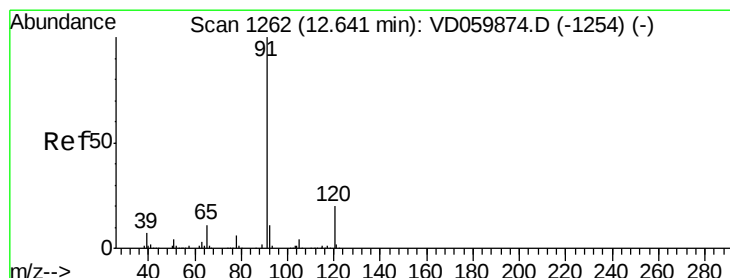
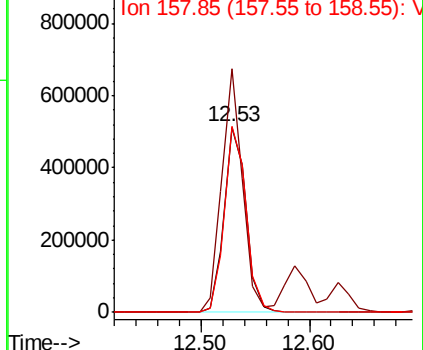
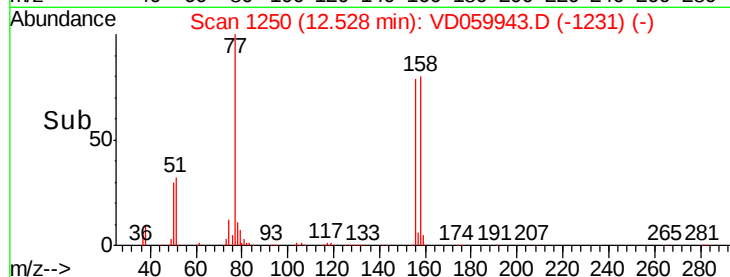
#77  
Bromobenzene  
Concen: 52.80 ug/l  
RT: 12.53 min Scan# 1250  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:156 Resp: 724829  
Ion Ratio Lower Upper  
156 100  
77 131.6 70.2 210.4  
158 100.4 48.4 145.2

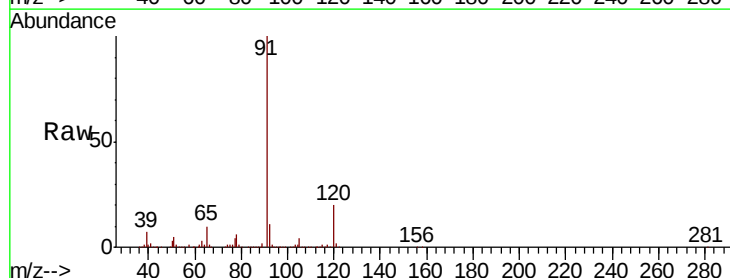


Abundance Ion 155.90 (155.60 to 156.60): V  
Ion 76.95 (76.65 to 77.65): V  
Ion 157.85 (157.55 to 158.55): V

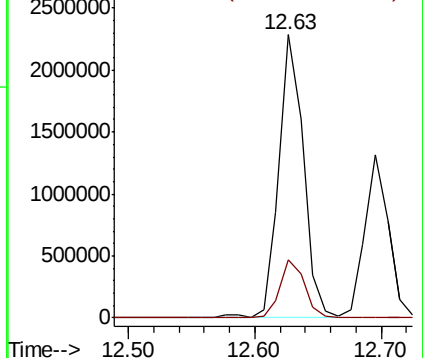
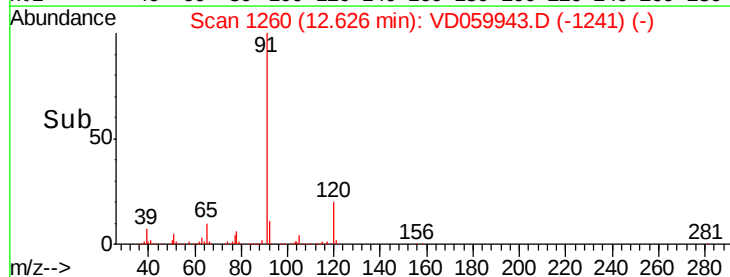


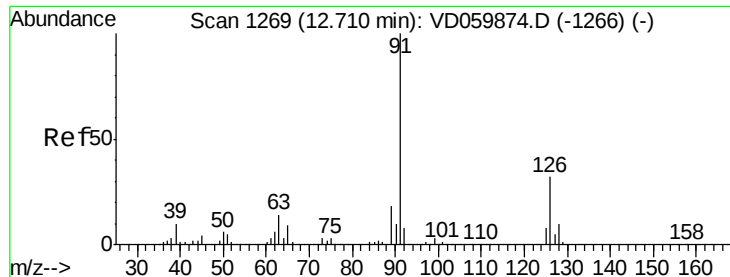
#78  
n-propylbenzene  
Concen: 49.76 ug/l  
RT: 12.63 min Scan# 1260  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion: 91 Resp: 3119544  
Ion Ratio Lower Upper  
91 100  
120 20.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 120.05 (119.75 to 120.75): V

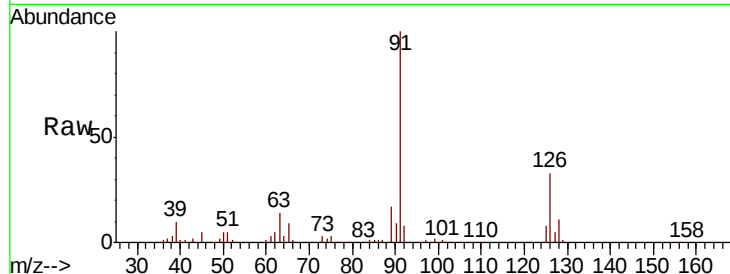




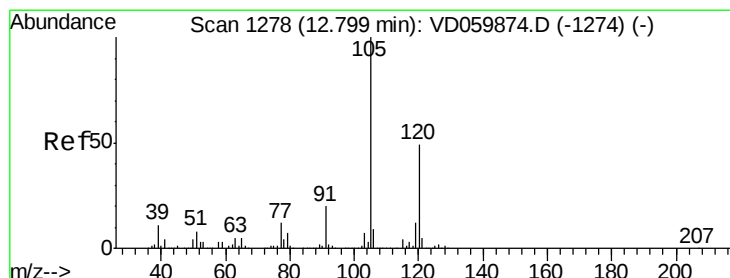
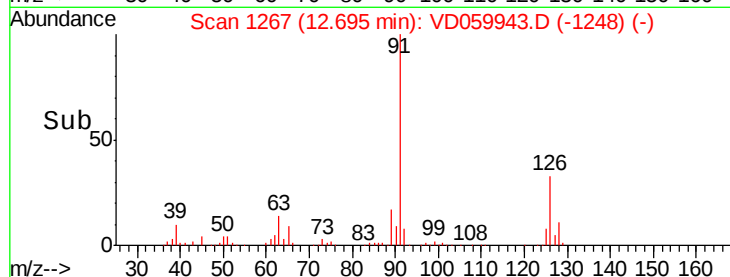
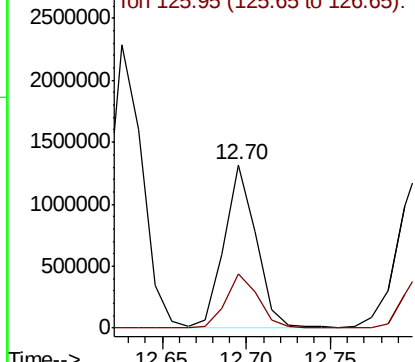
#79  
 2-Chlorotoluene  
 Concen: 49.03 ug/l  
 RT: 12.70 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 91 Resp: 1738522  
 Ion Ratio Lower Upper  
 91 100  
 126 33.2 16.1 48.2

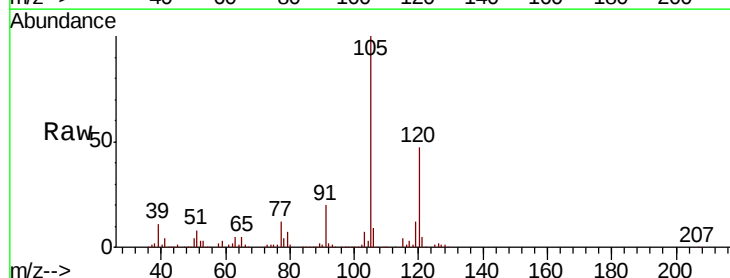


Abundance Ion 91.00 (90.70 to 91.70): V  
 Ion 125.95 (125.65 to 126.65): V

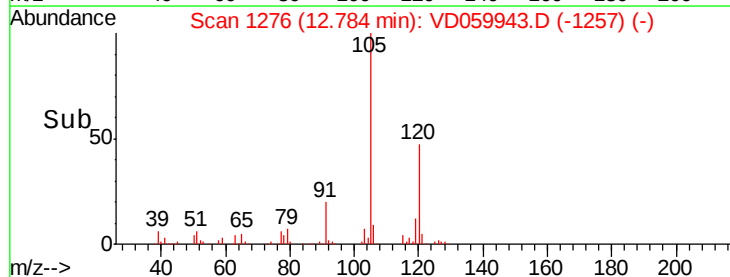
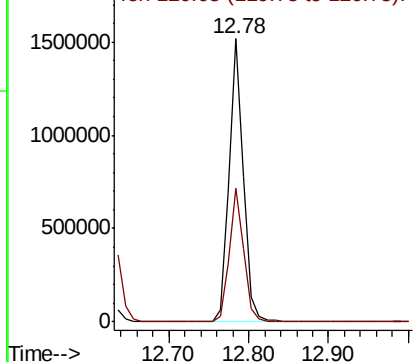


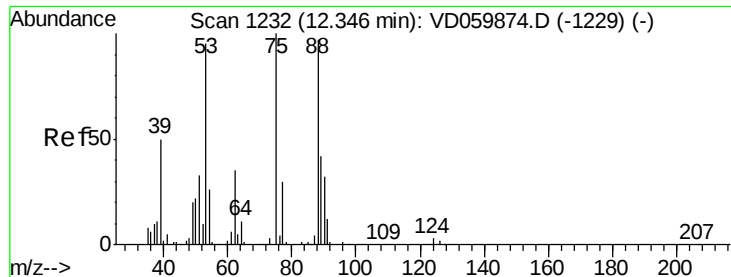
#80  
 1,3,5-Trimethylbenzene  
 Concen: 48.63 ug/l  
 RT: 12.78 min Scan# 1276  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion:105 Resp: 1914350  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V  
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.92 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

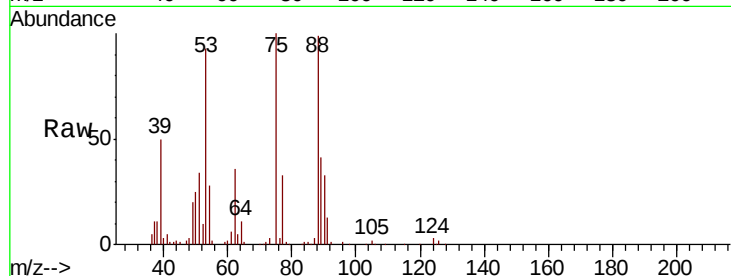
Tot Ion: 75 Resp: 179711

Ion Ratio Lower Upper

75 100

53 92.9 75.8 113.6

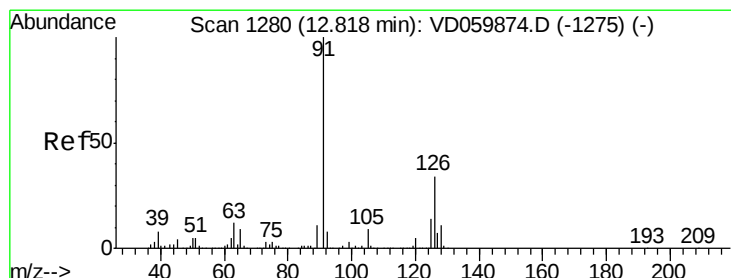
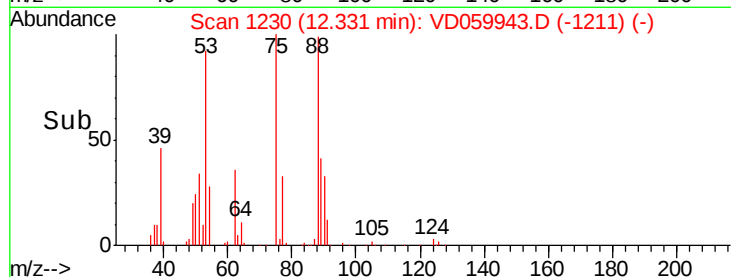
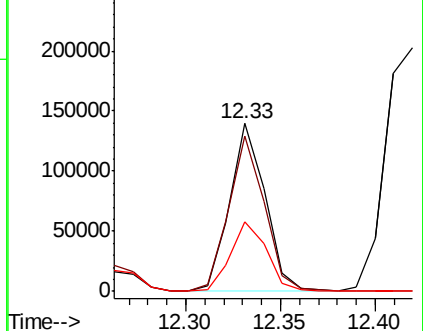
89 41.4 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.14 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059943.D

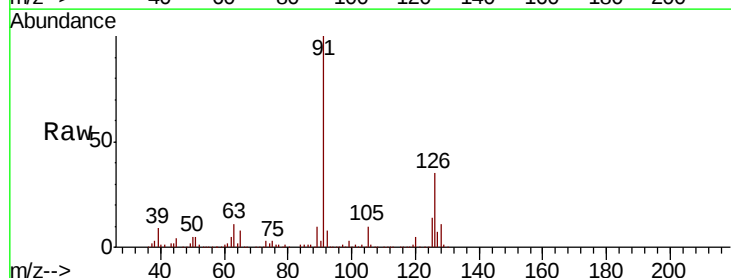
Acq: 4 Sep 2018 14:14

Tgt Ion: 91 Resp: 1946999

Ion Ratio Lower Upper

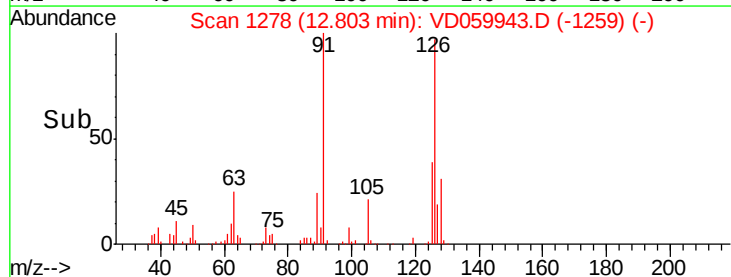
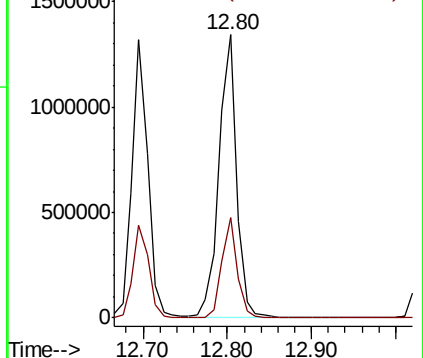
91 100

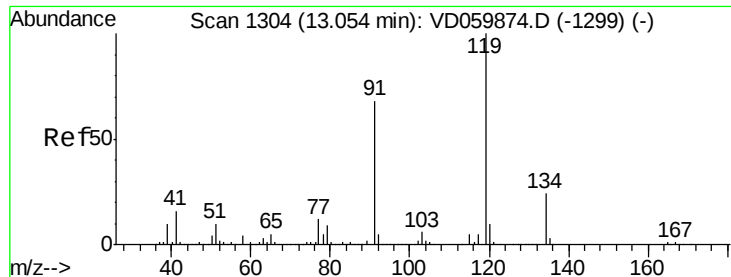
126 35.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

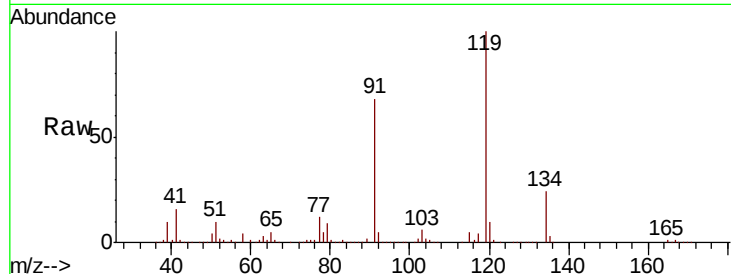




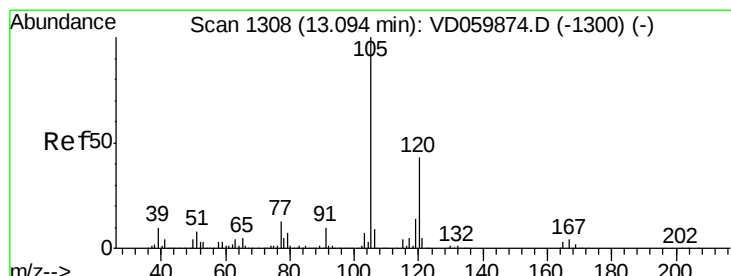
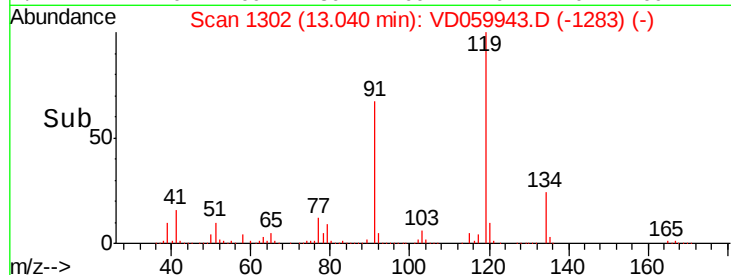
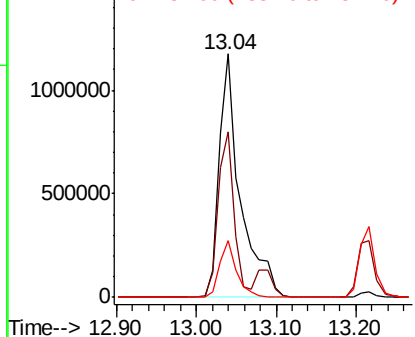
#83  
 tert-Butylbenzene  
 Concen: 49.06 ug/l  
 RT: 13.04 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:119 Resp: 2200131  
 Ion Ratio Lower Upper  
 119 100  
 91 67.9 34.3 102.9  
 134 23.5 11.9 35.9

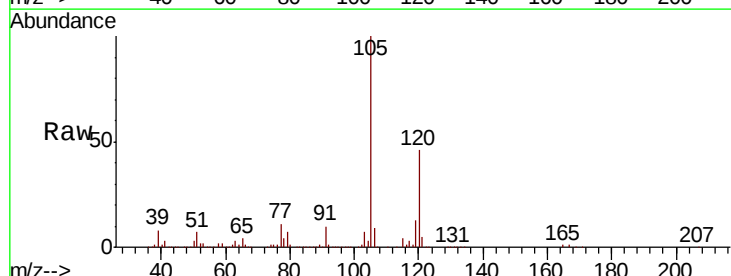


Abundance Ion 119.05 (118.75 to 119.75): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

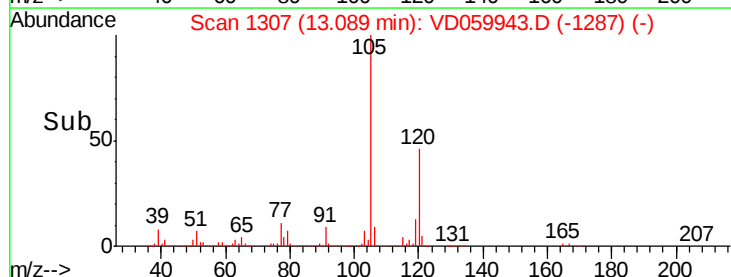
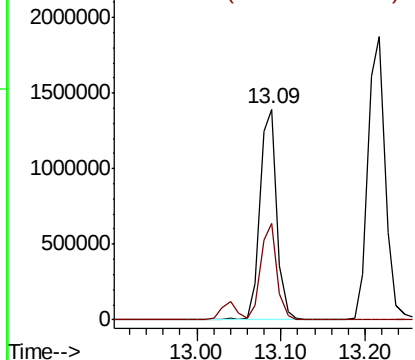


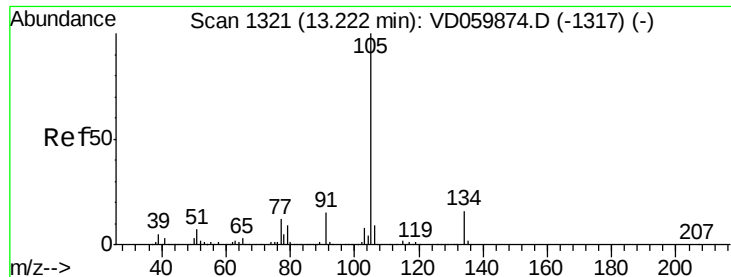
#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.21 ug/l  
 RT: 13.09 min Scan# 1307  
 Delta R.T. -0.00 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion:105 Resp: 1978098  
 Ion Ratio Lower Upper  
 105 100  
 120 46.0 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V  
 Ion 120.05 (119.75 to 120.75): V

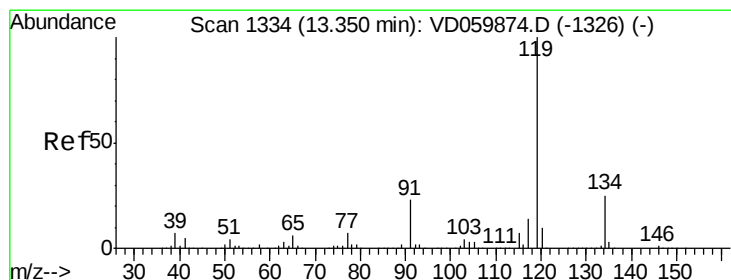
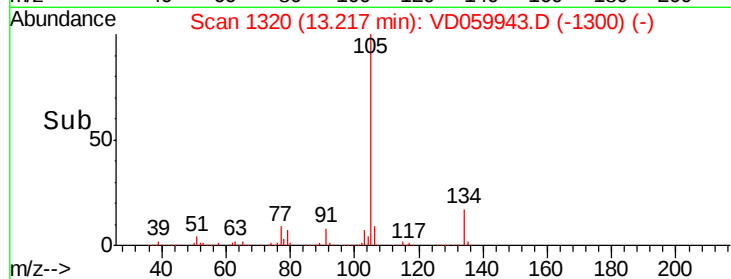
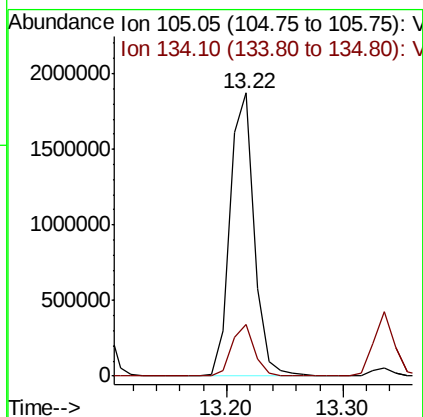
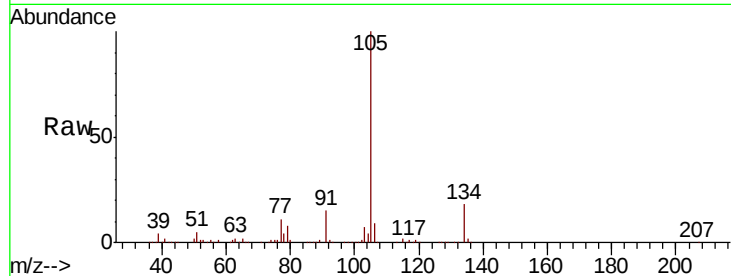




#85  
 sec-Butylbenzene  
 Concen: 50.61 ug/l  
 RT: 13.22 min Scan# 1320  
 Delta R.T. -0.00 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

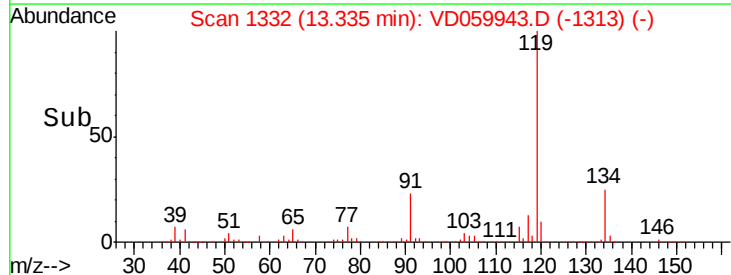
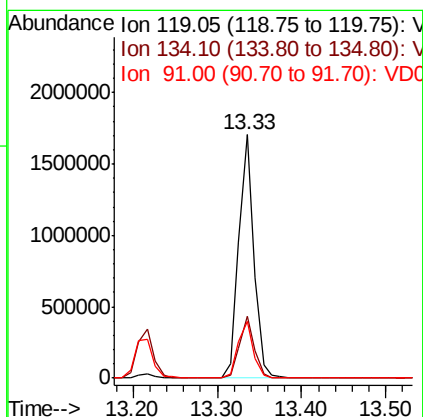
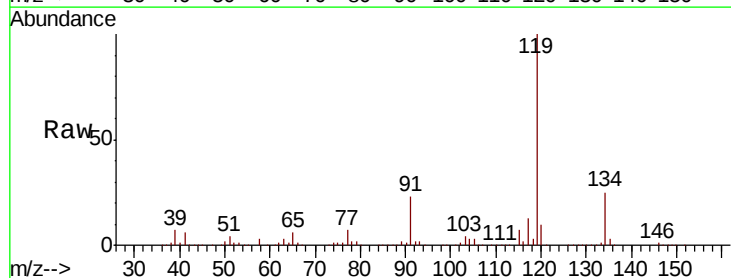
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

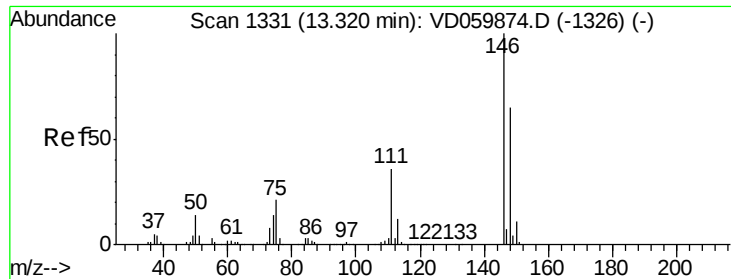
Tot Ion:105 Resp: 2668883  
 Ion Ratio Lower Upper  
 105 100  
 134 18.4 8.2 24.4



#86  
 p-Isopropyltoluene  
 Concen: 49.53 ug/l  
 RT: 13.33 min Scan# 1332  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion:119 Resp: 2124112  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 12.7 38.1  
 91 23.3 11.7 35.0

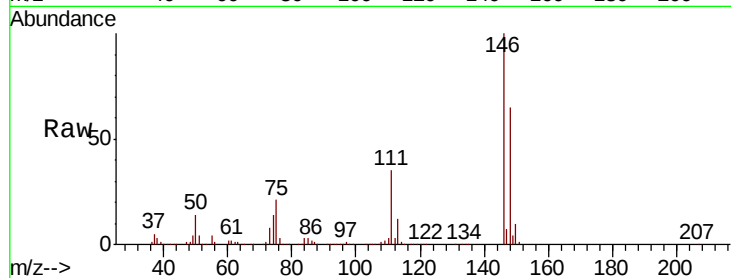




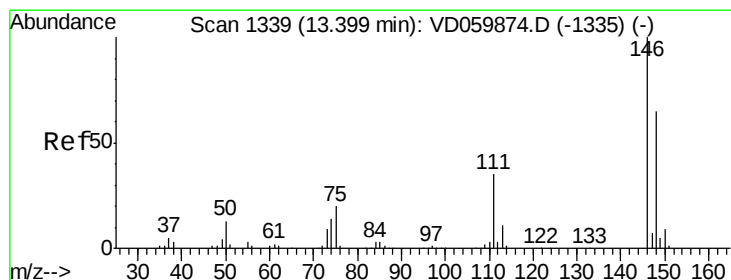
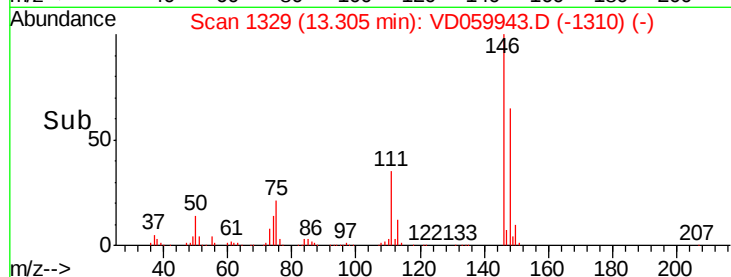
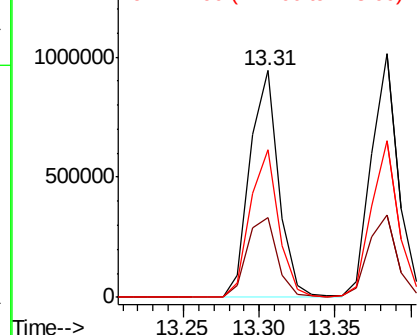
#87  
 1,3-Dichlorobenzene  
 Concen: 51.07 ug/l  
 RT: 13.31 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:146 Resp: 1251699  
 Ion Ratio Lower Upper  
 146 100  
 111 35.3 17.9 53.7  
 148 65.1 32.4 97.0

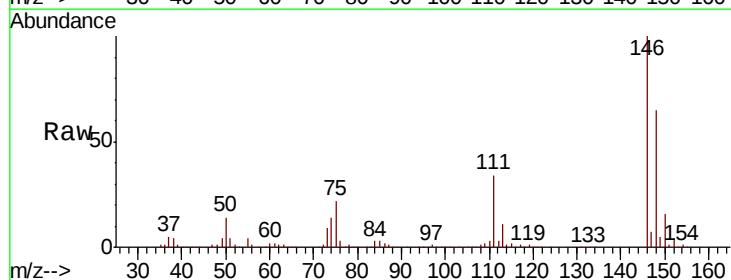


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

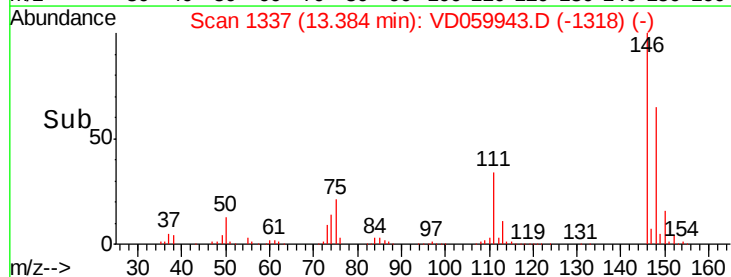
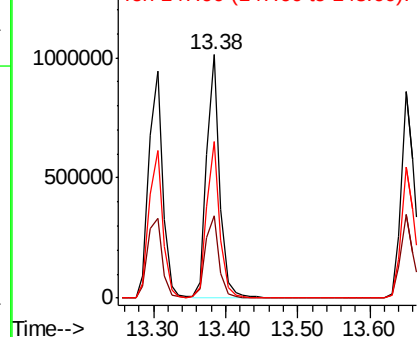


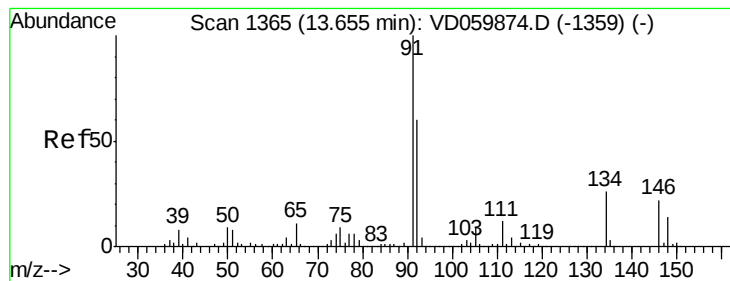
#88  
 1,4-Dichlorobenzene  
 Concen: 52.18 ug/l  
 RT: 13.38 min Scan# 1337  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion:146 Resp: 1275770  
 Ion Ratio Lower Upper  
 146 100  
 111 33.7 17.5 52.6  
 148 64.5 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.73 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

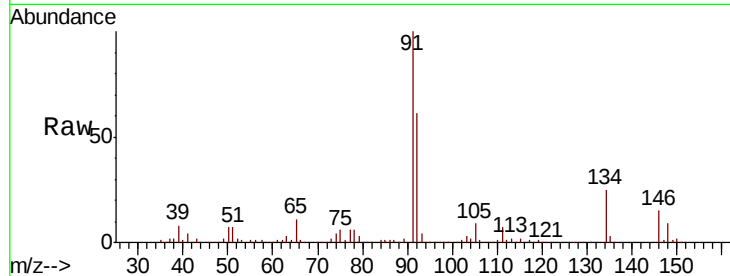
Tot Ion: 91 Resp: 2132493

Ion Ratio Lower Upper

91 100

92 60.6 30.0 90.1

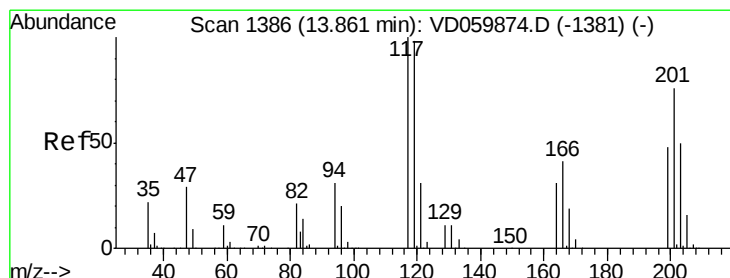
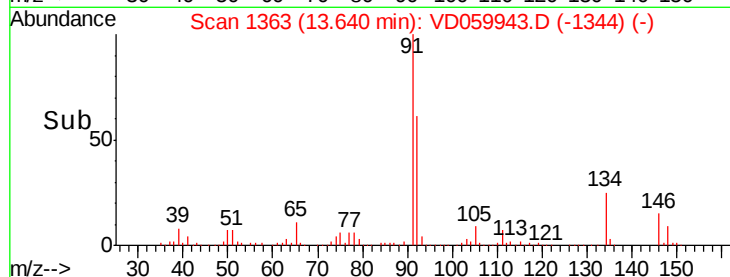
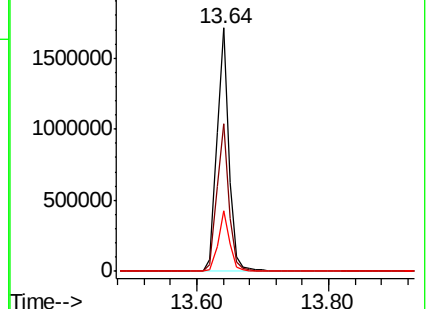
134 24.9 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 47.43 ug/l

RT: 13.85 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VD059943.D

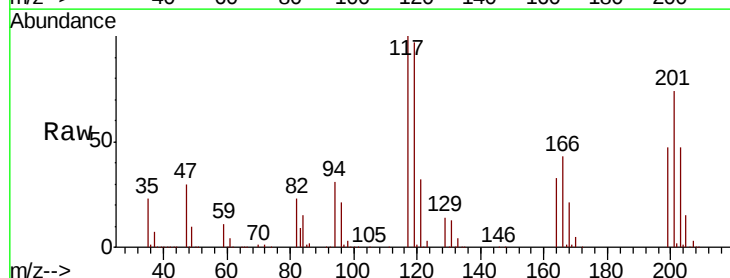
Acq: 4 Sep 2018 14:14

Tgt Ion: 117 Resp: 546169

Ion Ratio Lower Upper

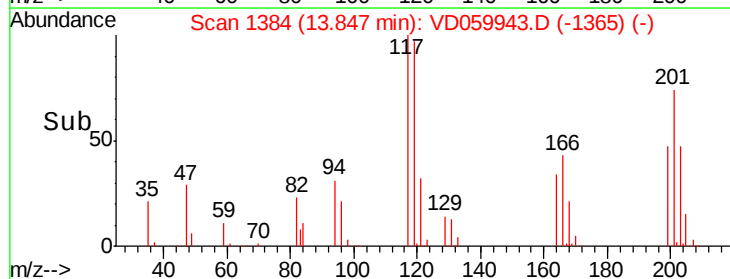
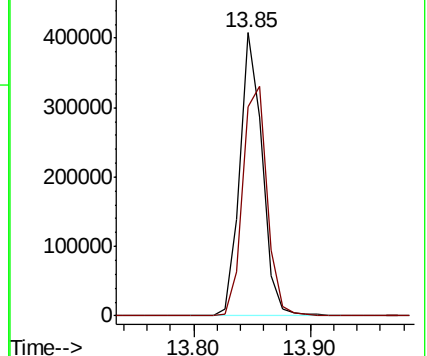
117 100

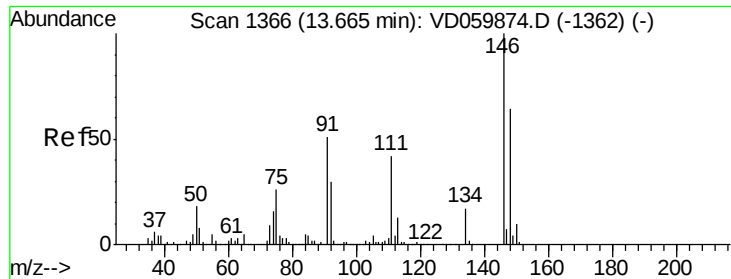
201 74.0 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 52.89 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

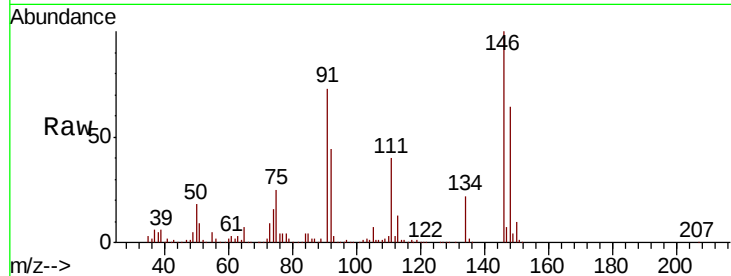
Tot Ion:146 Resp: 1102187

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.1

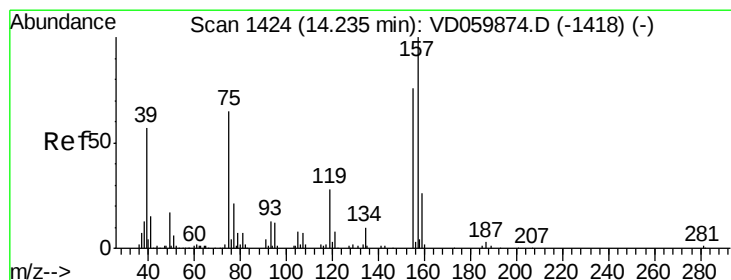
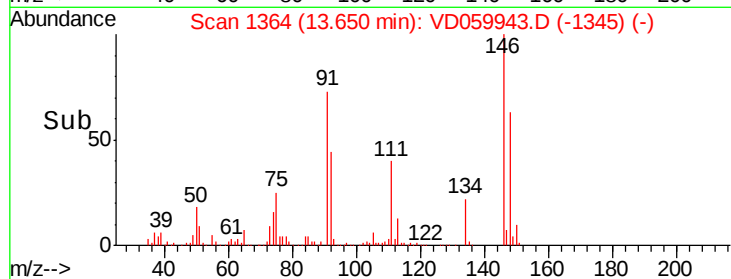
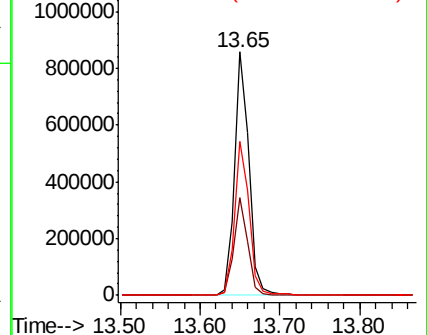
148 63.5 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 49.13 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.01 min

Lab File: VD059943.D

Acq: 4 Sep 2018 14:14

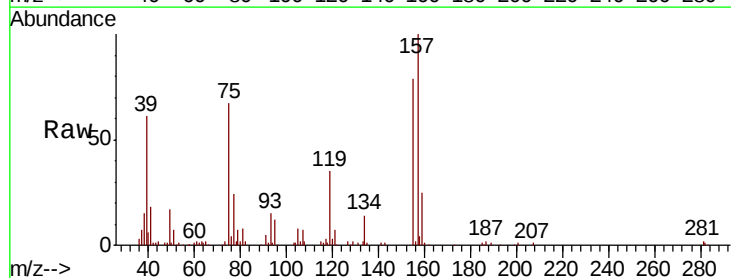
Tgt Ion: 75 Resp: 86499

Ion Ratio Lower Upper

75 100

155 117.8 58.2 174.6

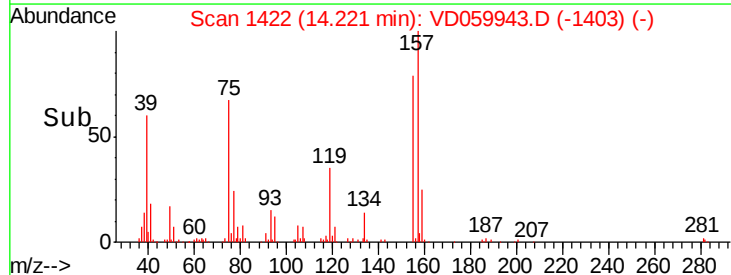
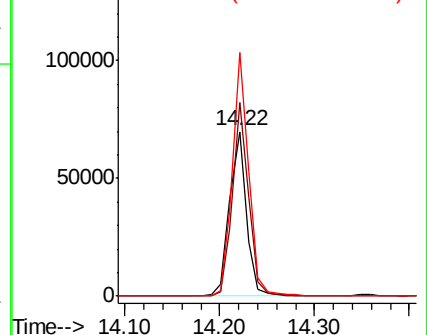
157 148.2 76.8 230.4

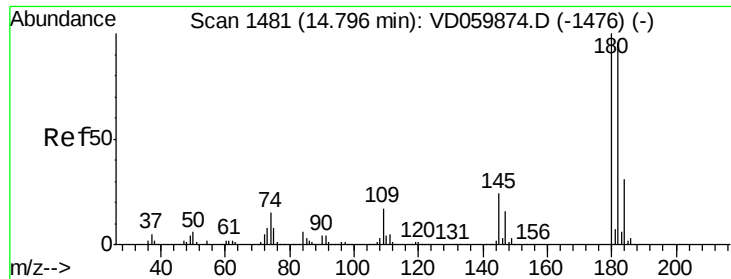


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

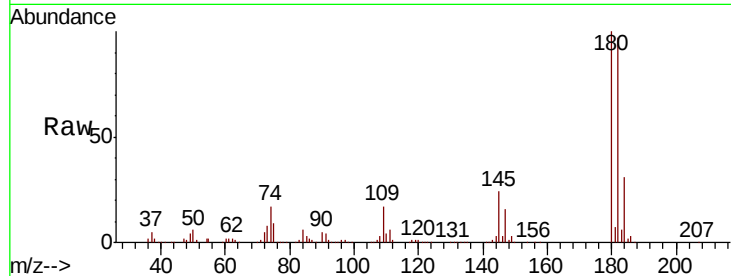




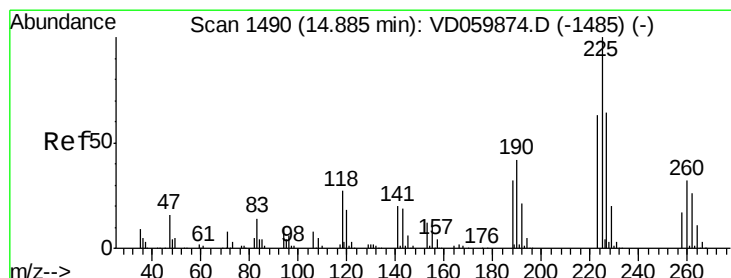
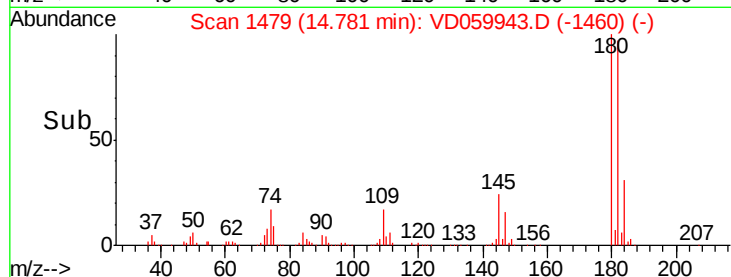
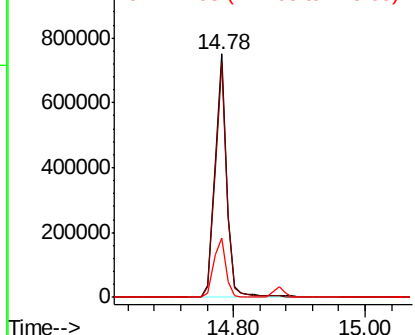
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.61 ug/l  
 RT: 14.78 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 920823  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 47.9 143.7  
 145 24.5 12.2 36.4

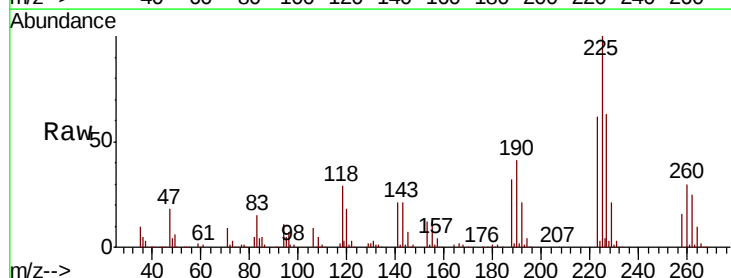


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

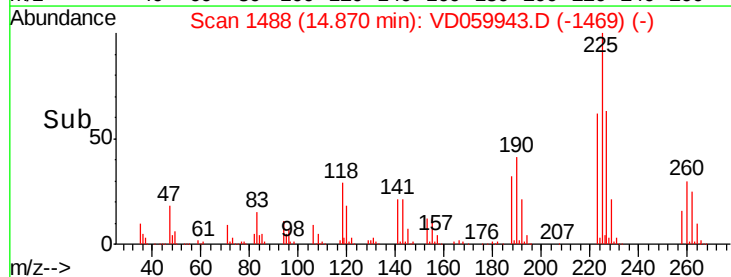
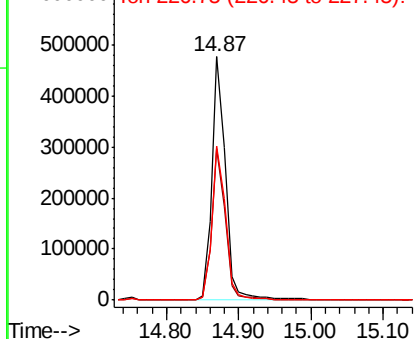


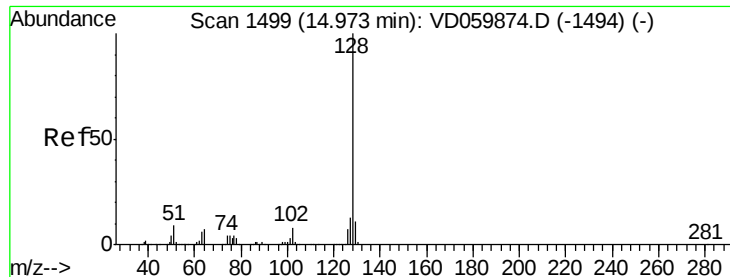
#94  
 Hexachlorobutadiene  
 Concen: 53.02 ug/l  
 RT: 14.87 min Scan# 1488  
 Delta R.T. -0.01 min  
 Lab File: VD059943.D  
 Acq: 4 Sep 2018 14:14

Tgt Ion:225 Resp: 620060  
 Ion Ratio Lower Upper  
 225 100  
 223 62.2 31.6 94.8  
 227 63.4 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V

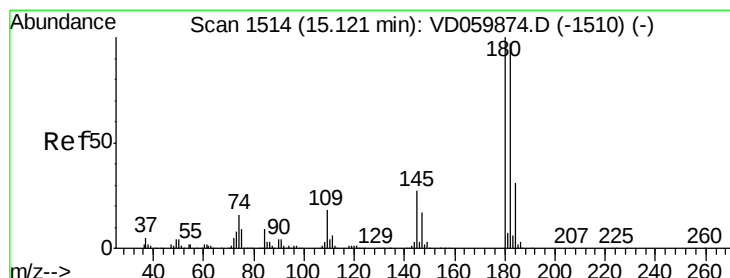
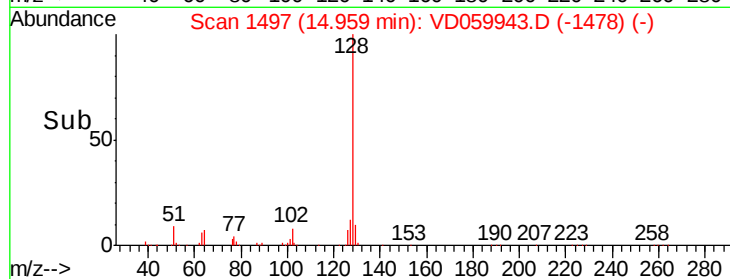
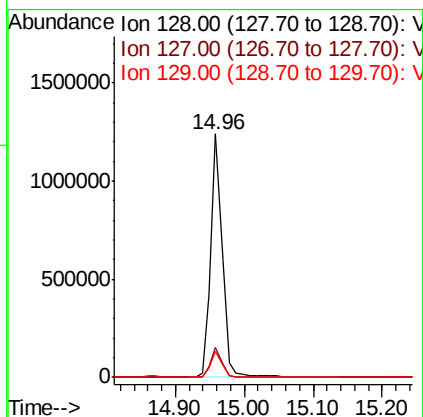
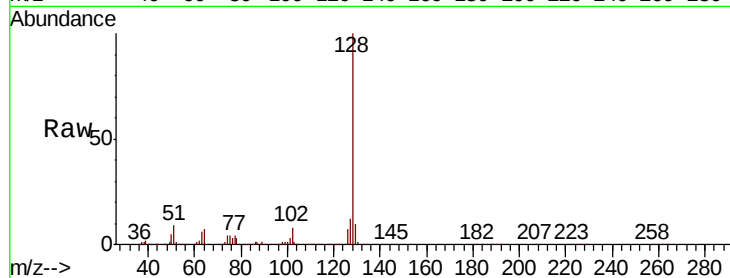




#95  
Naphthalene  
Concen: 53.15 ug/l  
RT: 14.96 min Scan# 1497  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 1449204  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.0 15.0  
129 10.5 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 52.39 ug/l  
RT: 15.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VD059943.D  
Acq: 4 Sep 2018 14:14

Tgt Ion:180 Resp: 799458  
Ion Ratio Lower Upper  
180 100  
182 96.1 48.6 145.8  
145 27.7 13.6 40.8

