

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD081920\  
 Data File : VD066313.D  
 Acq On : 19 Aug 2020 12:44  
 Operator : VA/SY  
 Sample : VD0819SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

Quant Time: Aug 19 15:59:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 248493   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 355043   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 328233   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 170692   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 118108   | 53.28 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.56% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 119688   | 53.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.42% |      |
| 50) Toluene-d8              | 10.34  | 98  | 433937   | 52.28 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.56% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 154274   | 51.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.14% |      |

| Target Compounds              |      |     |        |               | Qvalue |
|-------------------------------|------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 47051  | 21.491 ug/l   | 98     |
| 3) Chloromethane              | 2.20 | 50  | 33086  | 19.428 ug/l   | 98     |
| 4) Vinyl Chloride             | 2.35 | 62  | 34277  | 22.734 ug/l   | 98     |
| 5) Bromomethane               | 2.76 | 94  | 22915  | 22.907 ug/l   | 88     |
| 6) Chloroethane               | 2.91 | 64  | 19774  | 21.365 ug/l # | 82     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 85032  | 21.632 ug/l   | 95     |
| 8) Diethyl Ether              | 3.70 | 74  | 21222  | 19.134 ug/l   | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 47755  | 20.471 ug/l   | 97     |
| 10) Methyl Iodide             | 4.30 | 142 | 49539  | 26.906 ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 20156  | 98.780 ug/l # | 85     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 43970  | 19.980 ug/l   | 88     |
| 13) Acrolein                  | 3.91 | 56  | 10004  | 56.692 ug/l   | 99     |
| 14) Allyl chloride            | 4.71 | 41  | 61818  | 18.542 ug/l   | 90     |
| 15) Acrylonitrile             | 5.41 | 53  | 43264  | 92.567 ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 39783  | 94.576 ug/l   | 93     |
| 17) Carbon Disulfide          | 4.41 | 76  | 128403 | 18.351 ug/l   | 99     |
| 18) Methyl Acetate            | 4.71 | 43  | 19786  | 18.518 ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.47 | 73  | 99698  | 19.765 ug/l   | 96     |
| 20) Methylene Chloride        | 4.96 | 84  | 58907  | 21.749 ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 49092  | 19.419 ug/l   | 97     |
| 22) Diisopropyl ether         | 6.36 | 45  | 124239 | 18.844 ug/l   | 94     |
| 23) Vinyl Acetate             | 6.30 | 43  | 360013 | 93.209 ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 82482  | 20.215 ug/l   | 99     |
| 25) 2-Butanone                | 7.21 | 43  | 55299  | 89.380 ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.20 | 77  | 82776  | 22.635 ug/l   | 94     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 54218  | 20.447 ug/l   | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 30981  | 21.619 ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.56 | 42  | 33810  | 88.203 ug/l   | 99     |
| 30) Chloroform                | 7.71 | 83  | 90917  | 21.221 ug/l   | 97     |
| 31) Cyclohexane               | 7.98 | 56  | 73477  | 18.918 ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 88062  | 21.922 ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 68126  | 20.419 ug/l   | 99     |
| 37) Ethyl Acetate             | 7.29 | 43  | 24413  | 18.468 ug/l # | 94     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 82246  | 22.106 ug/l   | 86     |

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 ALS Vial : 5 Sample Multiplier: 1

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 79225    | 19.644  | ug/l   | 97       |
| 40) Benzene                    | 8.34  | 78   | 185412   | 20.033  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.52  | 41   | 12078    | 15.540  | ug/l # | 82       |
| 42) 1,2-Dichloroethane         | 8.41  | 62   | 58056    | 21.353  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.44  | 43   | 48030    | 18.441  | ug/l   | 96       |
| 44) Trichloroethene            | 9.10  | 130  | 58967    | 21.143  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 43636    | 19.277  | ug/l   | 95       |
| 46) Dibromomethane             | 9.47  | 93   | 25015    | 20.063  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.66  | 83   | 67086    | 20.358  | ug/l # | 88       |
| 48) Methyl methacrylate        | 9.45  | 41   | 25460    | 19.144  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 5618     | 350.713 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 122002   | 91.193  | ug/l   | 97       |
| 52) Toluene                    | 10.40 | 92   | 127038   | 20.860  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 63983    | 20.459  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 75434    | 20.587  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 35753    | 19.914  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 40278    | 18.675  | ug/l # | 95       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 60775    | 20.390  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 97562    | 100.564 | ug/l   | 95       |
| 59) 2-Hexanone                 | 10.98 | 43   | 87003    | 92.663  | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.14 | 129  | 51006    | 20.578  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 35380    | 20.491  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 50211    | 19.921  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.67 | 112  | 138626   | 20.805  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 54667    | 20.968  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 242752   | 21.023  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.85 | 106  | 186963   | 41.792  | ug/l   | 96       |
| 69) o-Xylene                   | 12.18 | 106  | 87122    | 21.408  | ug/l   | 97       |
| 70) Styrene                    | 12.20 | 104  | 150010   | 21.033  | ug/l   | 98       |
| 71) Bromoform                  | 12.36 | 173  | 30545    | 19.774  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.48 | 105  | 244265   | 21.438  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 45775    | 18.244  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 36928    | 19.007  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 49869    | 35.034  | ug/l # | 100      |
| 77) Bromobenzene               | 12.76 | 156  | 61775    | 21.062  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.82 | 91   | 279313   | 21.088  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 156002   | 20.594  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 203209   | 21.325  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 12448    | 19.331  | ug/l   | 87       |
| 82) 4-Chlorotoluene            | 13.00 | 91   | 166385   | 20.807  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 173285   | 20.678  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 202215   | 21.205  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 240696   | 21.274  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 231628   | 21.827  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 115934   | 21.031  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 113537   | 20.652  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 200597   | 21.098  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.11 | 117  | 45317    | 21.412  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 101773   | 20.876  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 7194     | 21.544  | ug/l   | 92       |

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Sample : VD0819SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

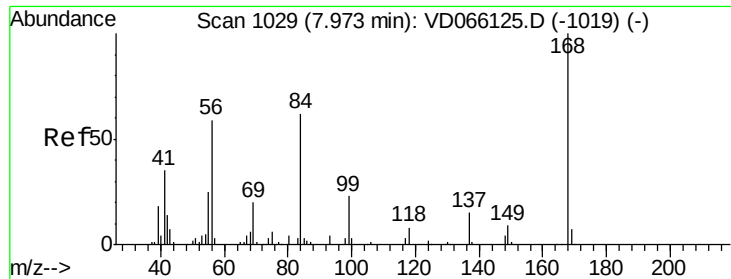
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

Quant Time: Aug 19 15:59:21 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 71184    | 19.813 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 45435    | 21.476 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 113392   | 19.370 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 61669    | 19.444 | ug/l  | 94       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

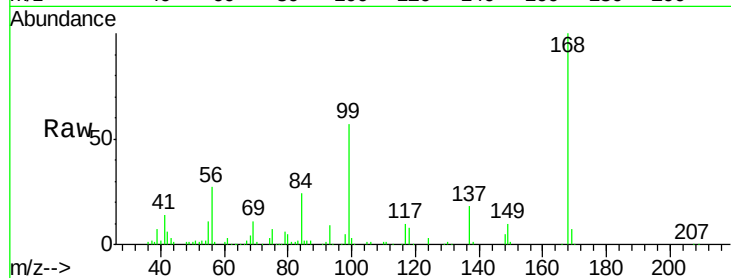
VD0819SBS01

Tgt Ion:168 Resp: 248493

Ion Ratio Lower Upper

168 100

99 57.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

60000

40000

20000

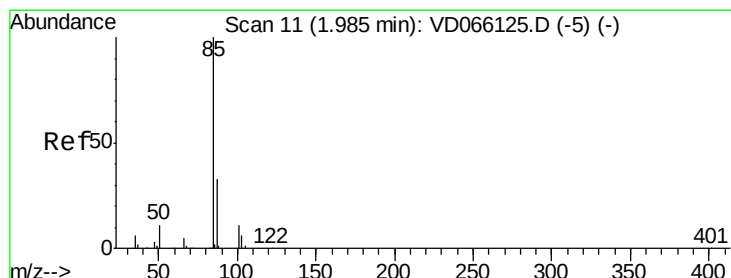
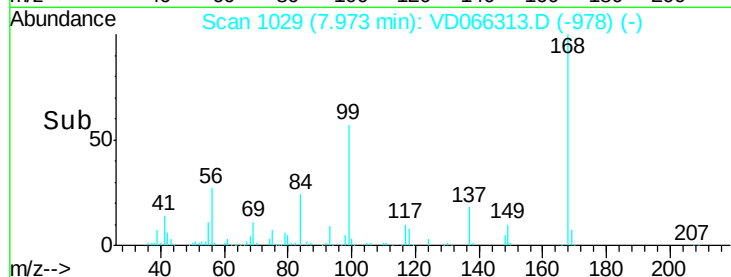
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.491 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066313.D

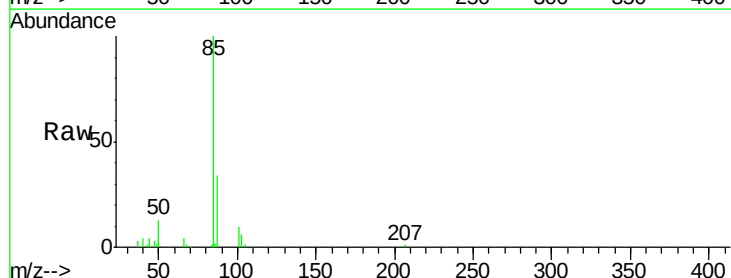
Acq: 19 Aug 2020 12:44

Tgt Ion: 85 Resp: 47051

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

20000

10000

0

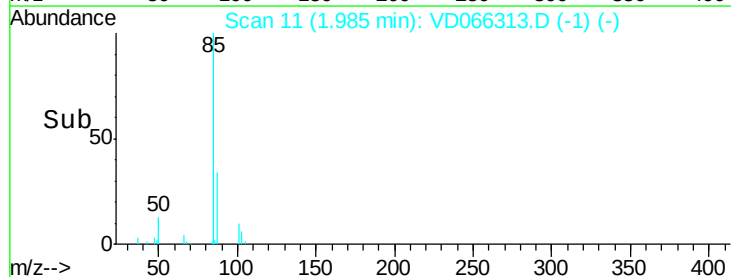
1.90

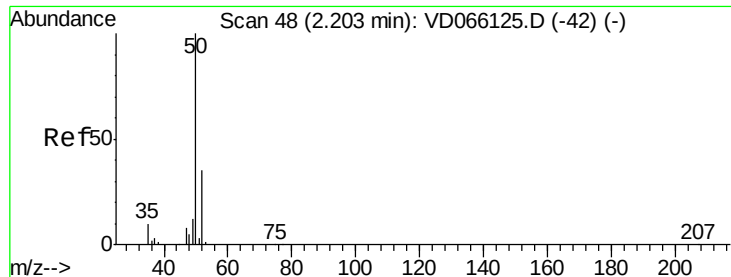
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 19.428 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

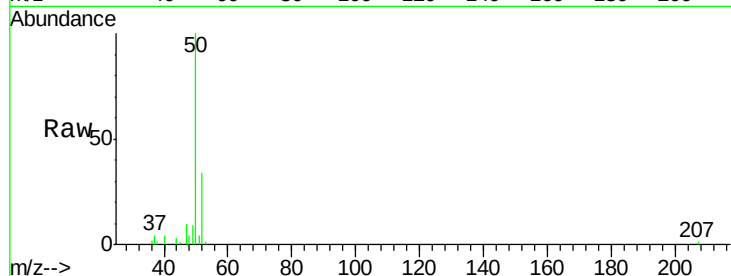
VD0819SBS01

Tgt Ion: 50 Resp: 33086

Ion Ratio Lower Upper

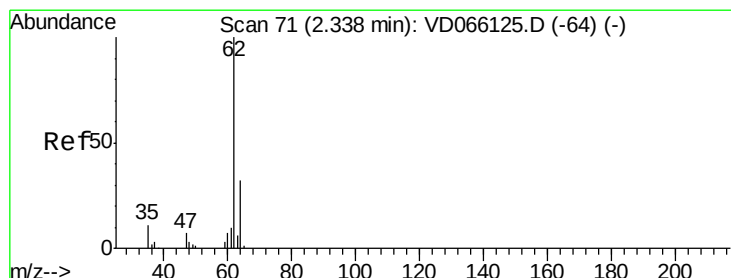
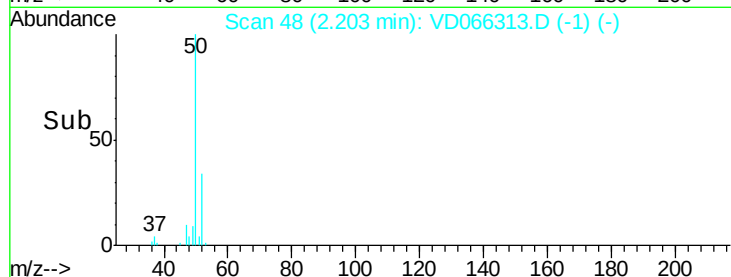
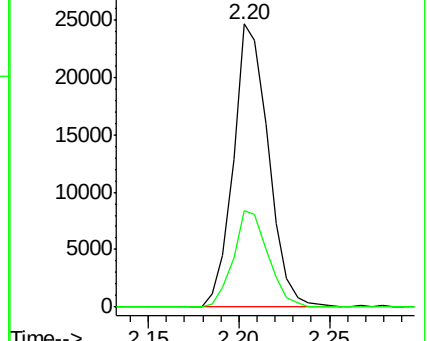
50 100

52 33.9 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.734 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066313.D

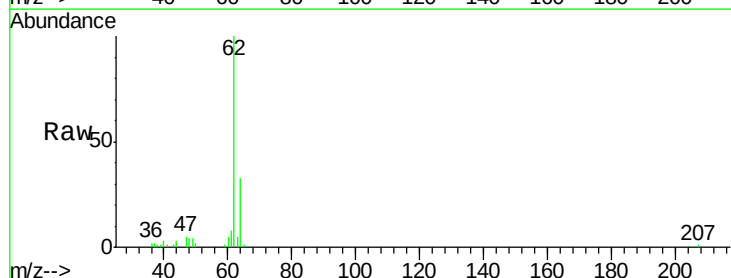
Acq: 19 Aug 2020 12:44

Tgt Ion: 62 Resp: 34277

Ion Ratio Lower Upper

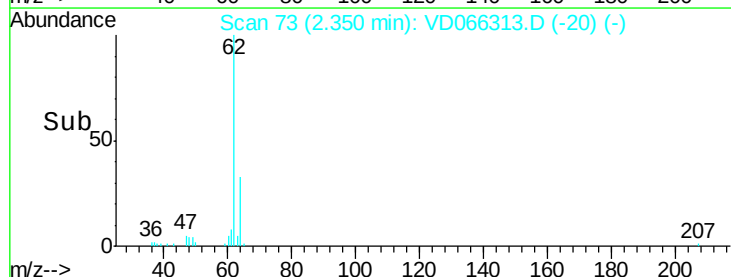
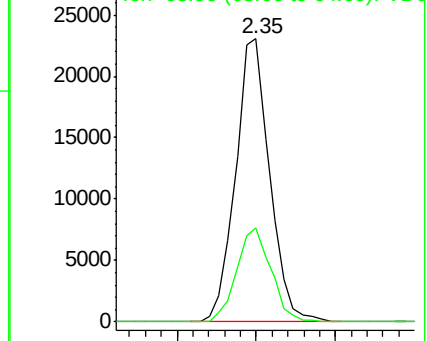
62 100

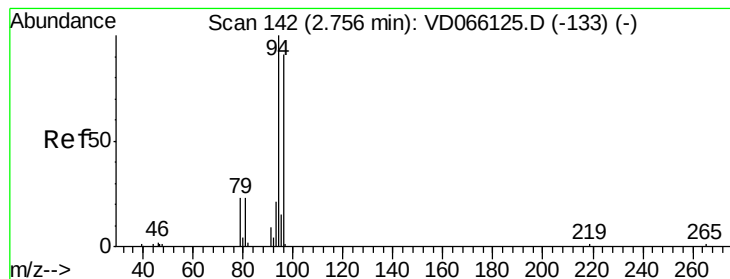
64 33.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.907 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

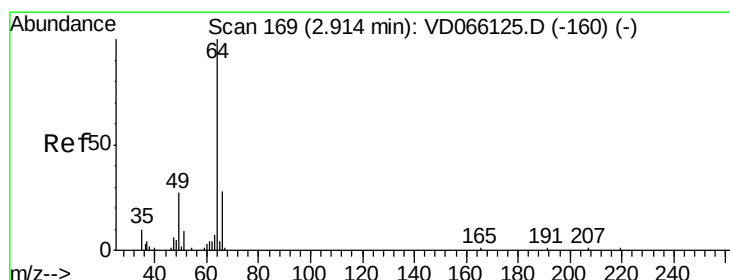
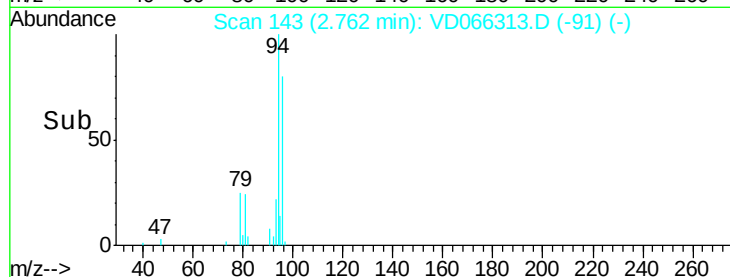
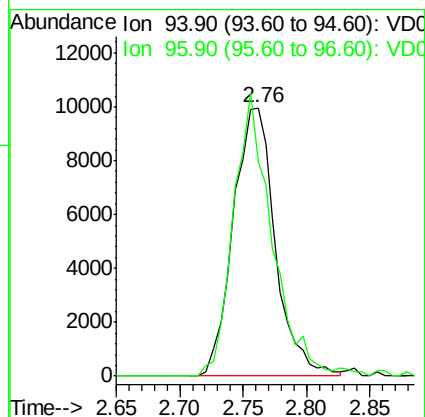
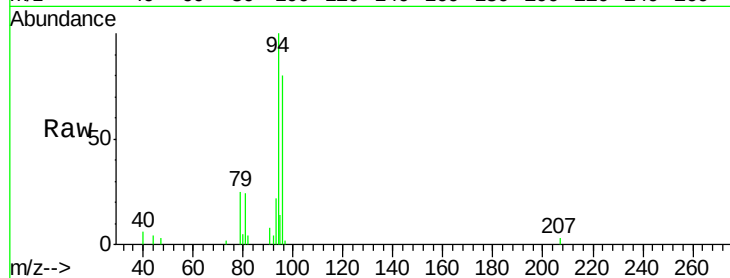
VD0819SBS01

Tgt Ion: 94 Resp: 22915

Ion Ratio Lower Upper

94 100

96 79.8 72.6 109.0



#6

Chloroethane

Concen: 21.365 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066313.D

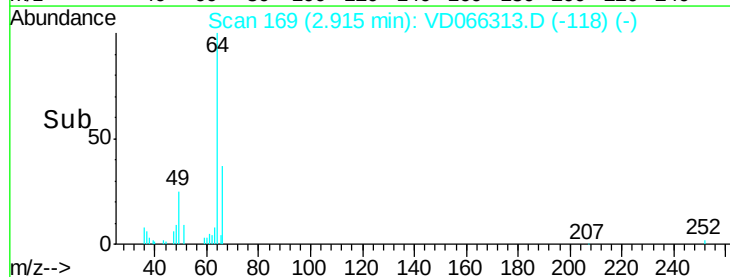
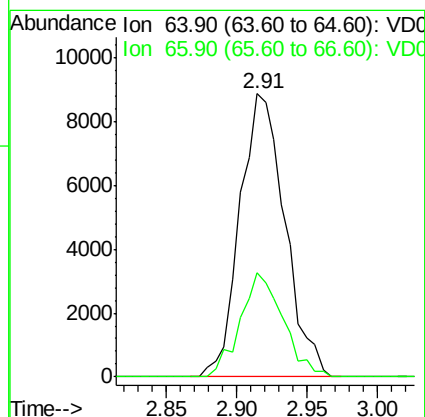
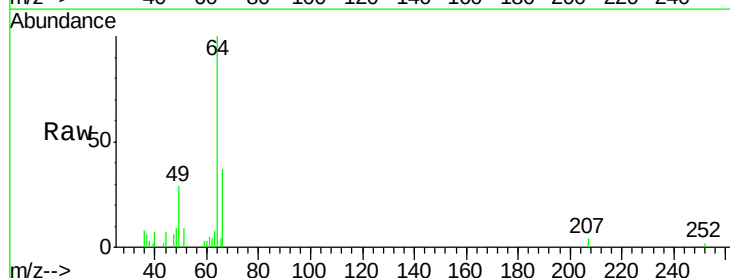
Acq: 19 Aug 2020 12:44

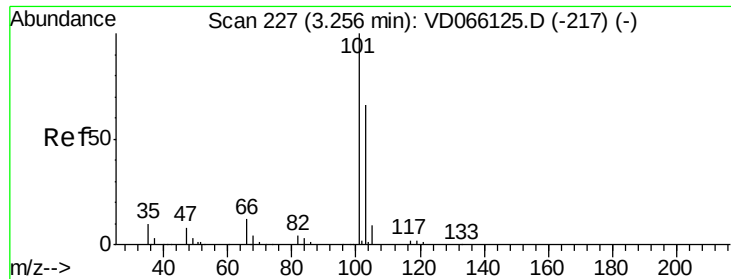
Tgt Ion: 64 Resp: 19774

Ion Ratio Lower Upper

64 100

66 36.8 22.0 33.0#



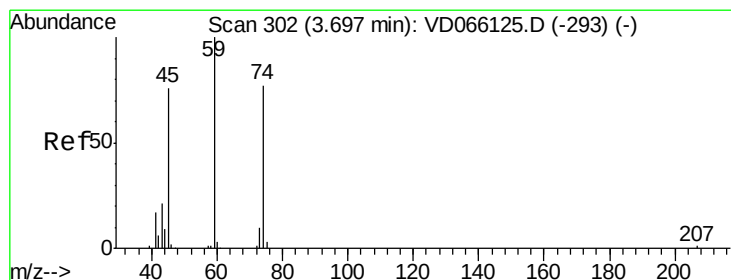
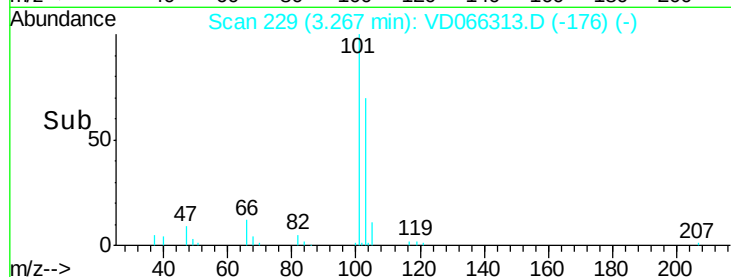
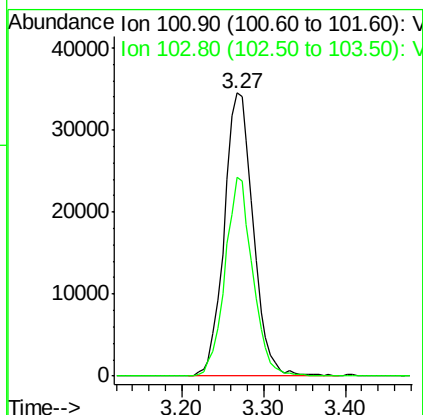
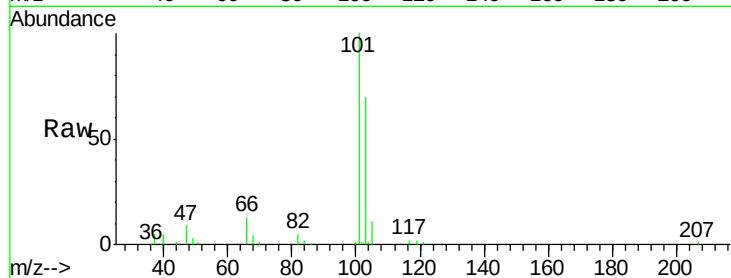


#7

Trichlorofluoromethane  
 Concen: 21.632 ug/l  
 RT: 3.27 min Scan# 229  
 Delta R.T. 0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

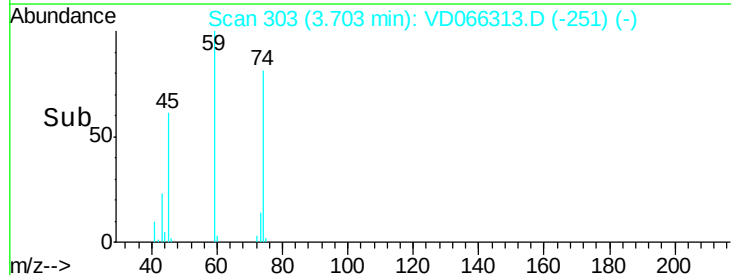
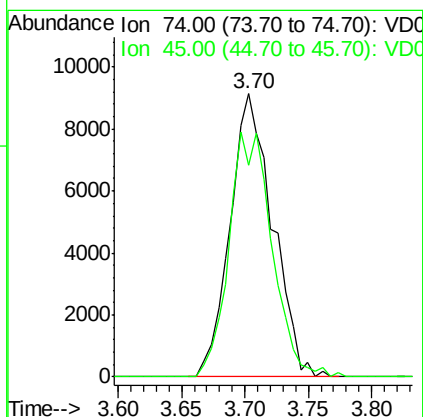
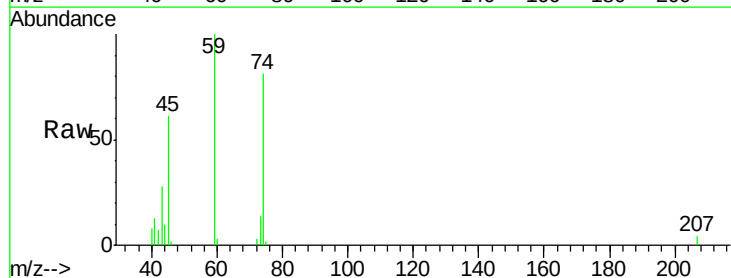
Tgt Ion:101 Resp: 85032  
 Ion Ratio Lower Upper  
 101 100  
 103 70.2 53.0 79.6



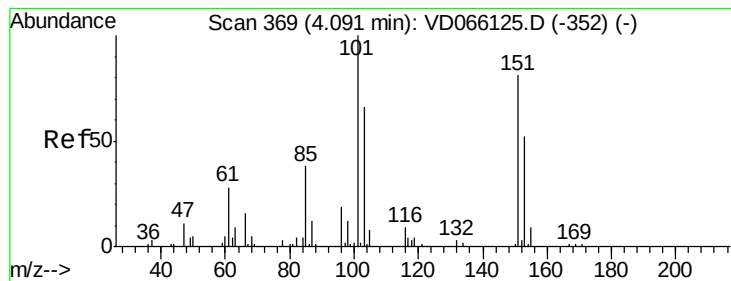
#8

Diethyl Ether  
 Concen: 19.134 ug/l  
 RT: 3.70 min Scan# 303  
 Delta R.T. 0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 74 Resp: 21222  
 Ion Ratio Lower Upper  
 74 100  
 45 87.4 48.4 145.2







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.471 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

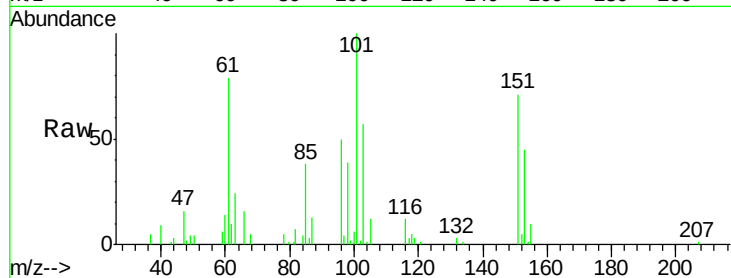
Tgt Ion:101 Resp: 47755

Ion Ratio Lower Upper

101 100

85 44.8 33.5 50.3

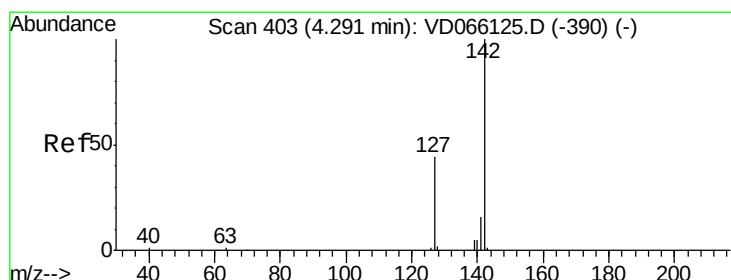
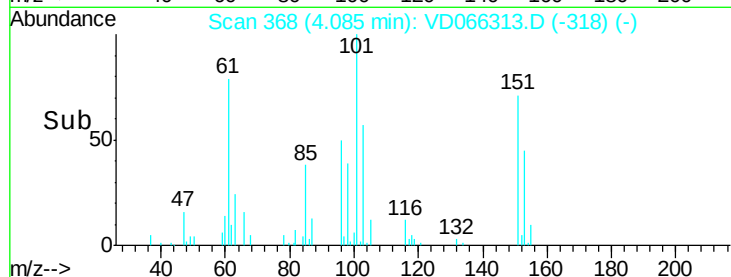
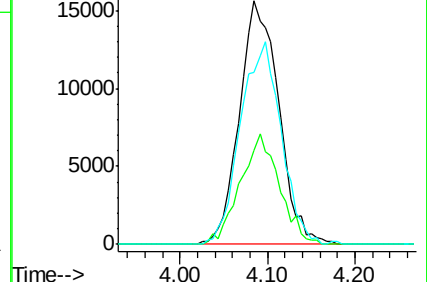
151 86.4 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 26.906 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

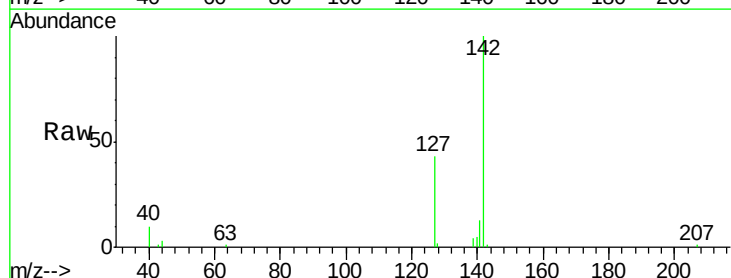
Tgt Ion:142 Resp: 49539

Ion Ratio Lower Upper

142 100

127 44.3 36.2 54.4

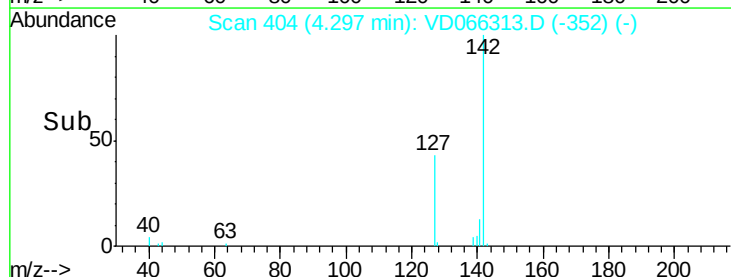
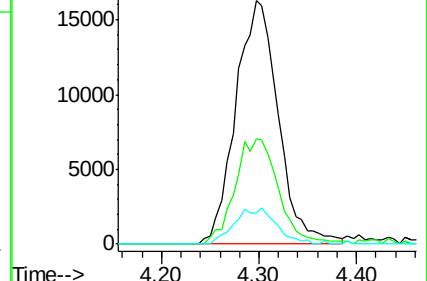
141 14.4 12.6 18.8

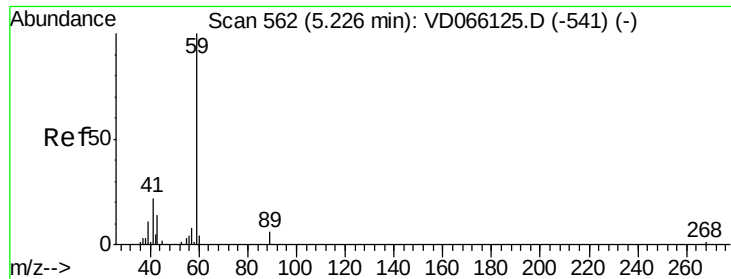


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

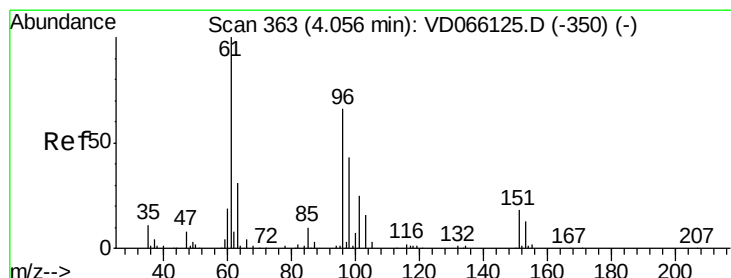
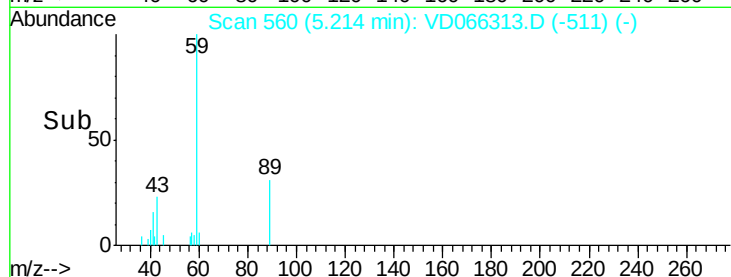
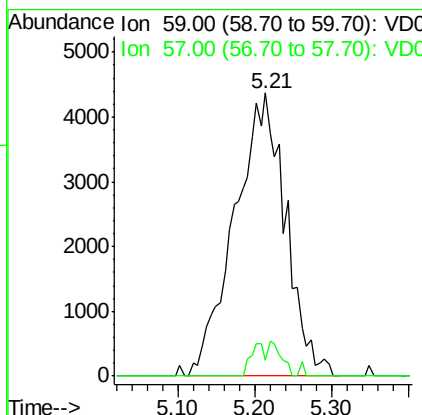
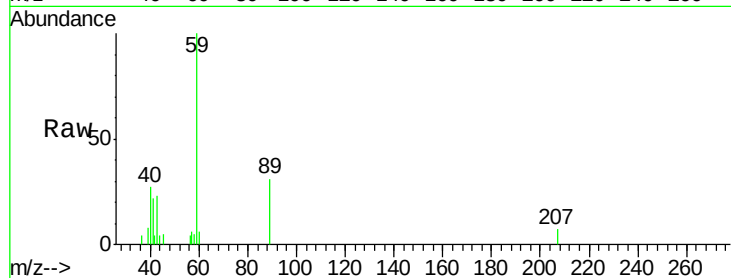




#11  
Tert butyl alcohol  
Concen: 98.780 ug/l  
RT: 5.21 min Scan# 560  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

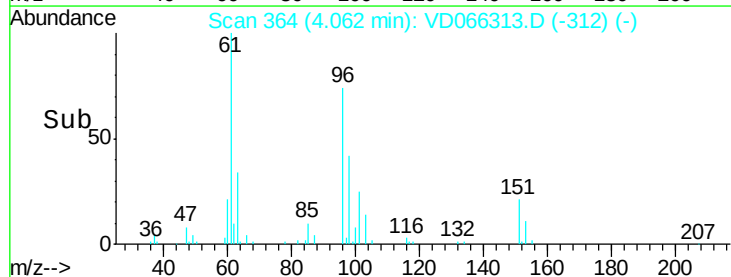
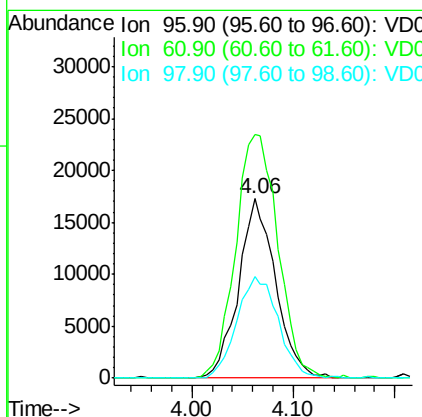
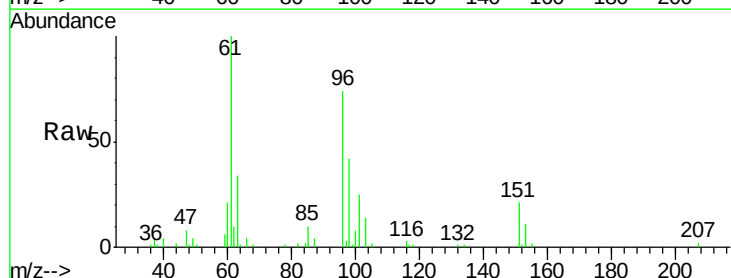
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

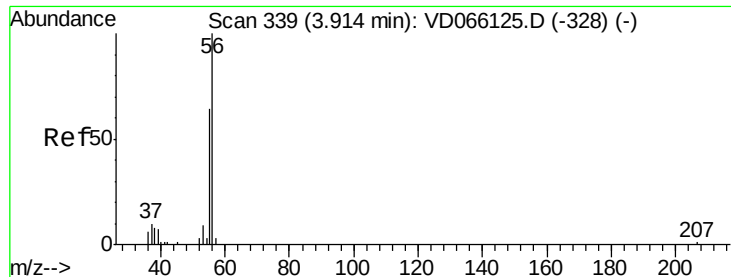
Tgt Ion: 59 Resp: 20156  
Ion Ratio Lower Upper  
59 100  
57 3.2 7.0 10.4#



#12  
1,1-Dichloroethene  
Concen: 19.980 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 96 Resp: 43970  
Ion Ratio Lower Upper  
96 100  
61 135.6 121.6 182.4  
98 56.5 52.0 78.0





#13

Acrolein

Concen: 56.692 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

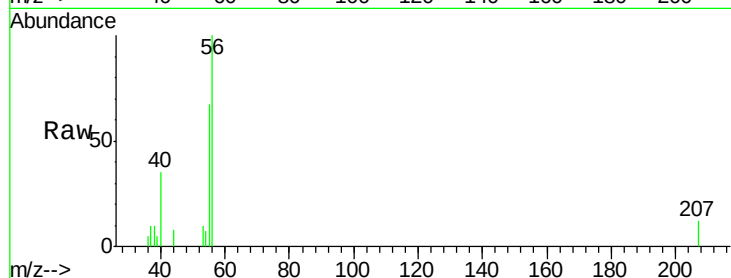
VD0819SBS01

Tgt Ion: 56 Resp: 10004

Ion Ratio Lower Upper

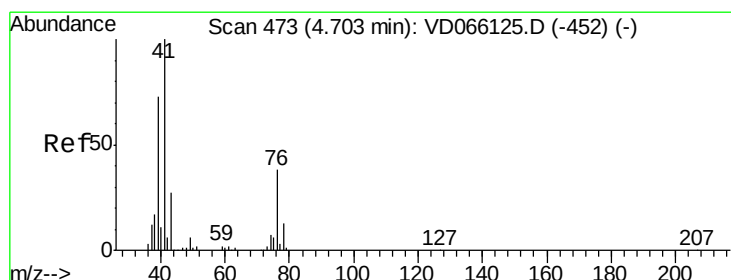
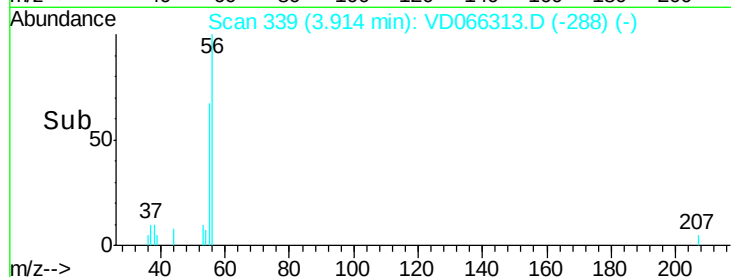
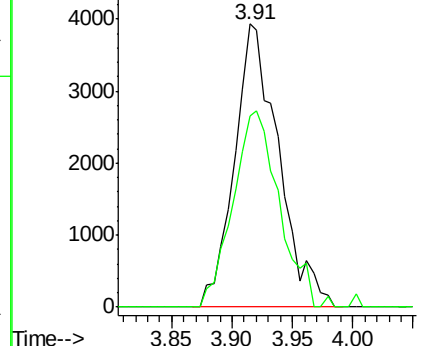
56 100

55 72.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.542 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

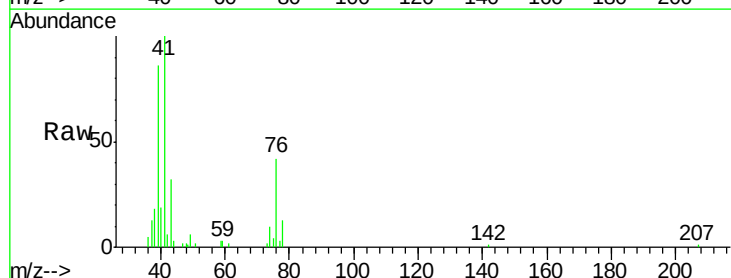
Tgt Ion: 41 Resp: 61818

Ion Ratio Lower Upper

41 100

39 81.9 57.4 86.0

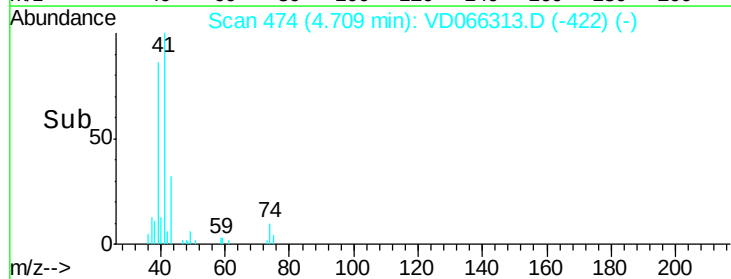
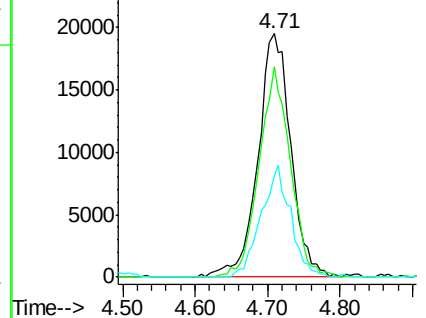
76 41.2 30.1 45.1

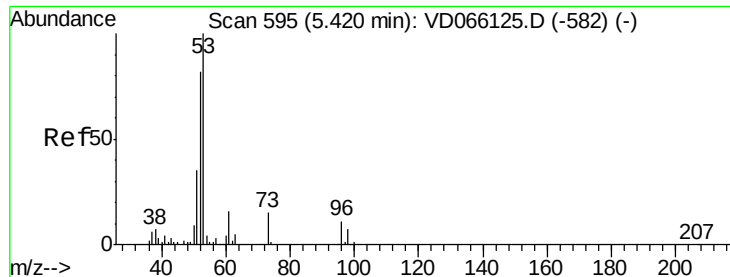


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 92.567 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

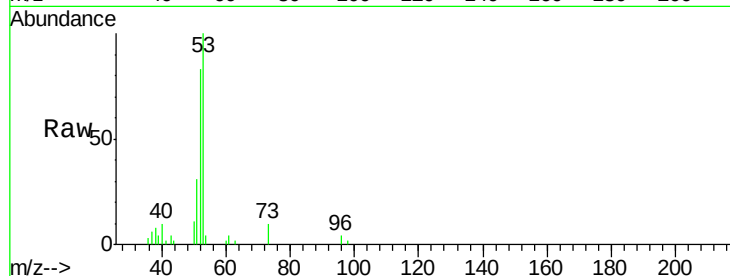
Tgt Ion: 53 Resp: 43264

Ion Ratio Lower Upper

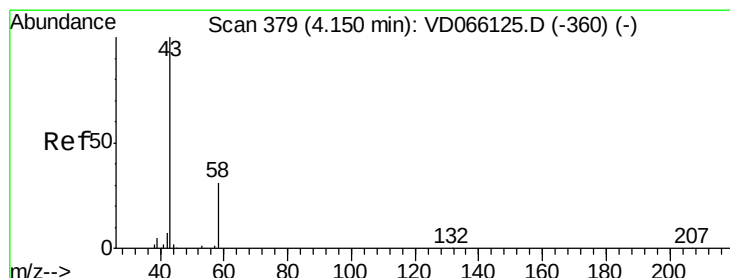
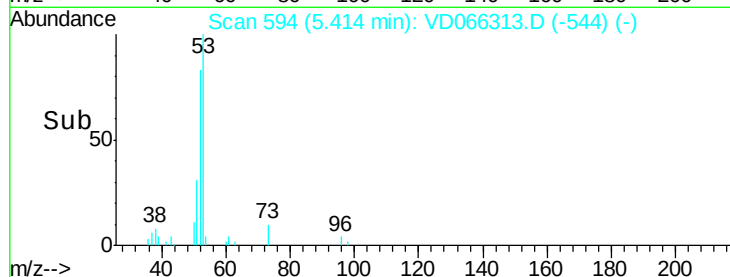
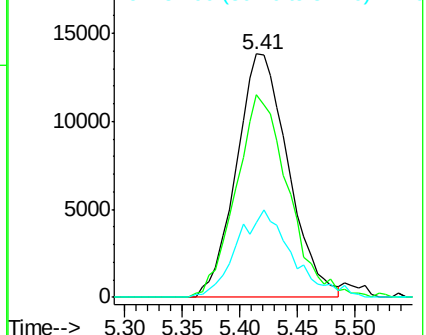
53 100

52 83.9 66.1 99.1

51 38.3 30.8 46.2



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: 94.576 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066313.D

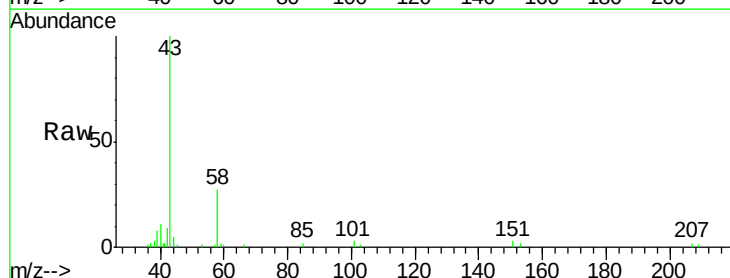
Acq: 19 Aug 2020 12:44

Tgt Ion: 43 Resp: 39783

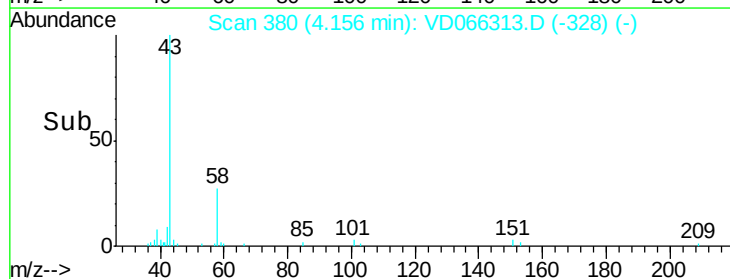
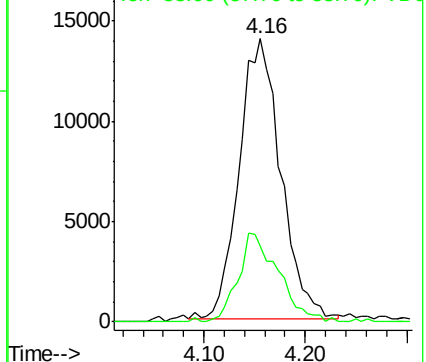
Ion Ratio Lower Upper

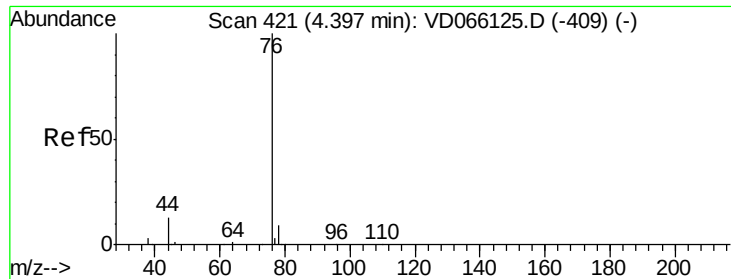
43 100

58 27.1 24.7 37.1



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





#17

Carbon Disulfide

Concen: 18.351 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

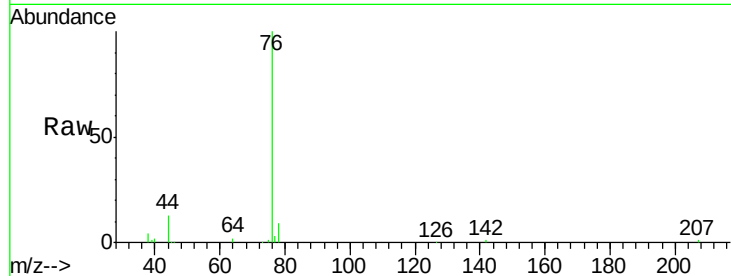
VD0819SBS01

Tgt Ion: 76 Resp: 128403

Ion Ratio Lower Upper

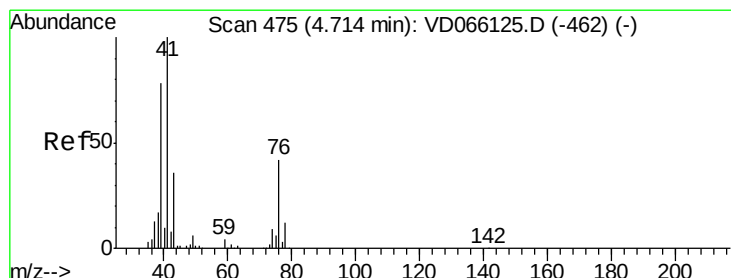
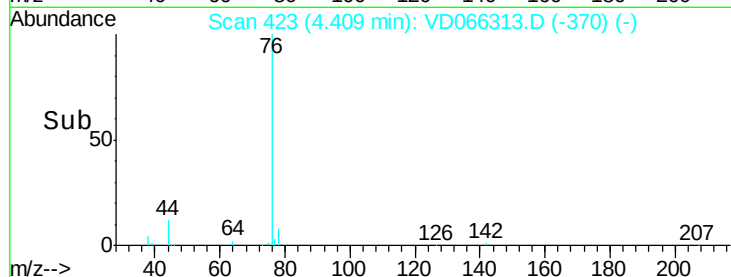
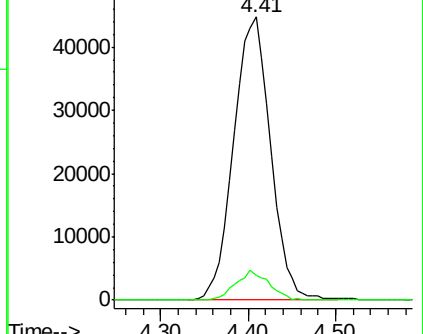
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.518 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066313.D

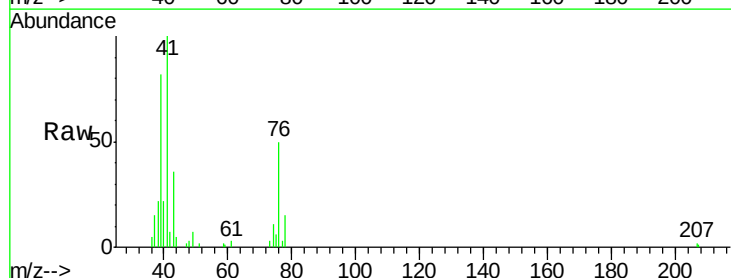
Acq: 19 Aug 2020 12:44

Tgt Ion: 43 Resp: 19786

Ion Ratio Lower Upper

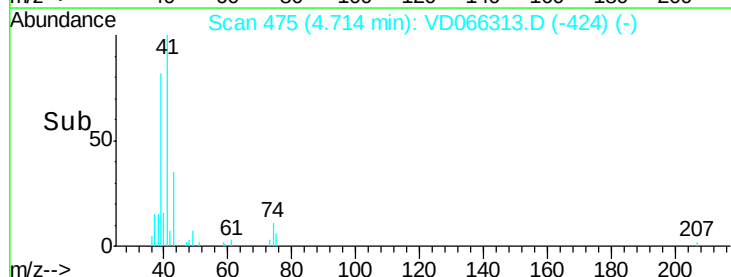
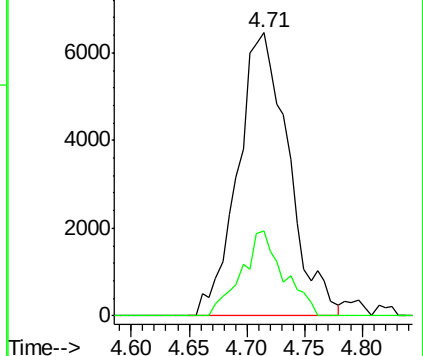
43 100

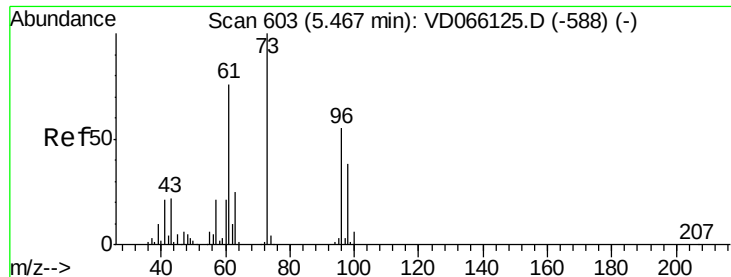
74 24.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

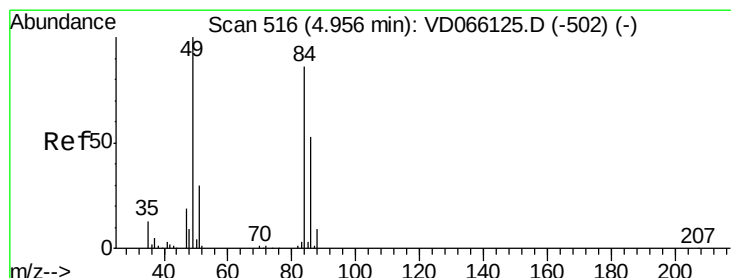
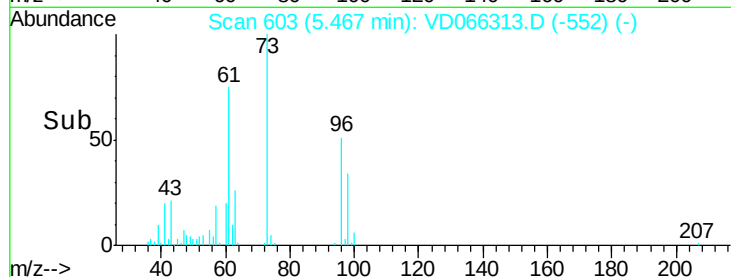
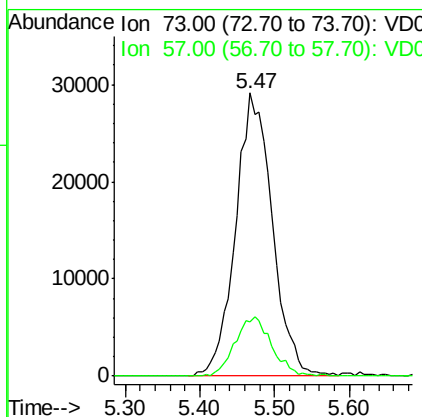
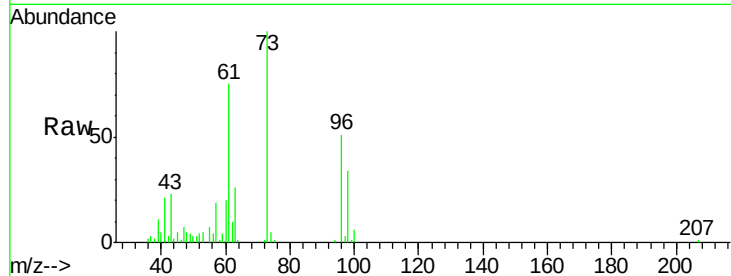




#19  
Methyl tert-butyl Ether  
Concen: 19.765 ug/l  
RT: 5.47 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

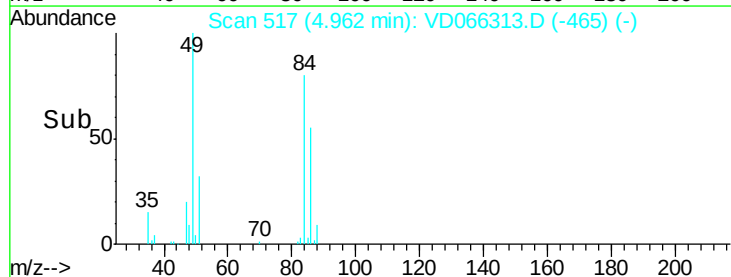
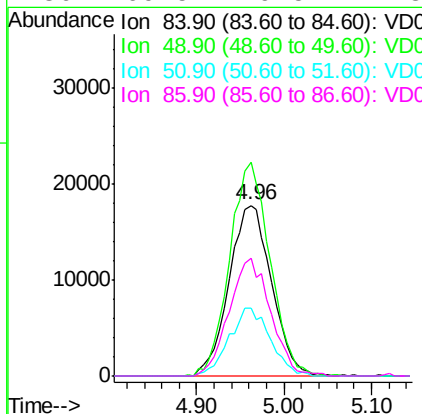
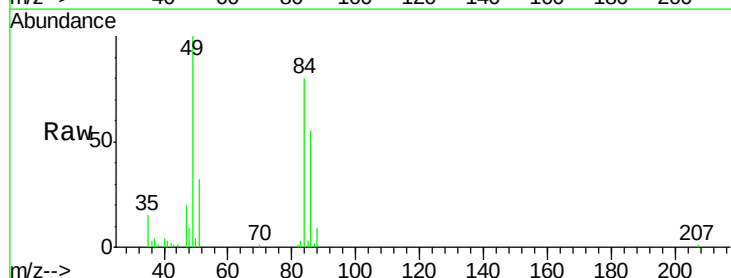
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

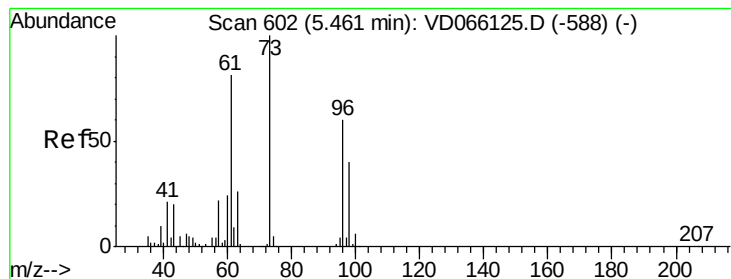
Tgt Ion: 73 Resp: 99698  
Ion Ratio Lower Upper  
73 100  
57 19.3 17.1 25.7



#20  
Methylene Chloride  
Concen: 21.749 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 84 Resp: 58907  
Ion Ratio Lower Upper  
84 100  
49 124.6 93.5 140.3  
51 40.1 28.2 42.4  
86 69.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.419 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

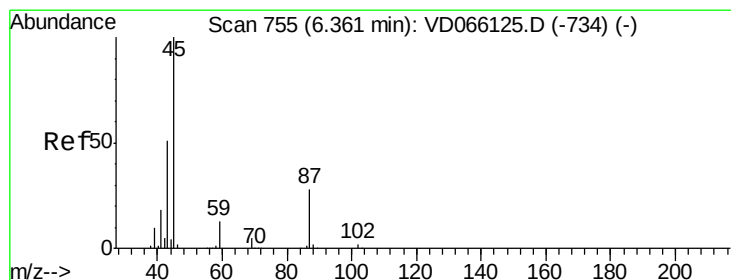
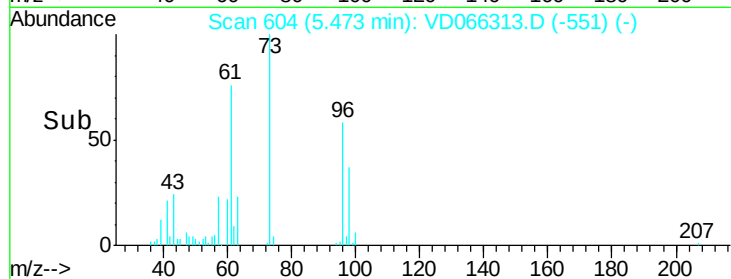
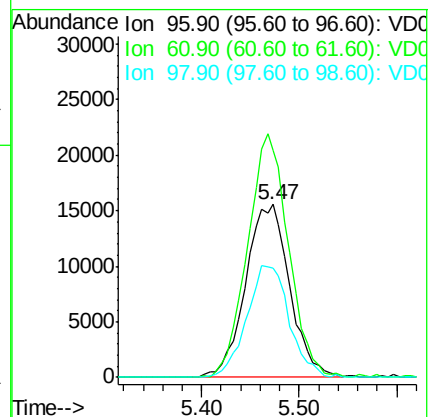
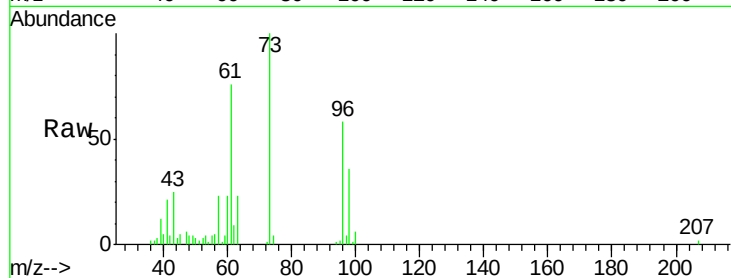
Tgt Ion: 96 Resp: 49092

Ion Ratio Lower Upper

96 100

61 131.1 106.9 160.3

98 62.9 53.4 80.0



#22

Diisopropyl ether

Concen: 18.844 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion: 45 Resp: 124239

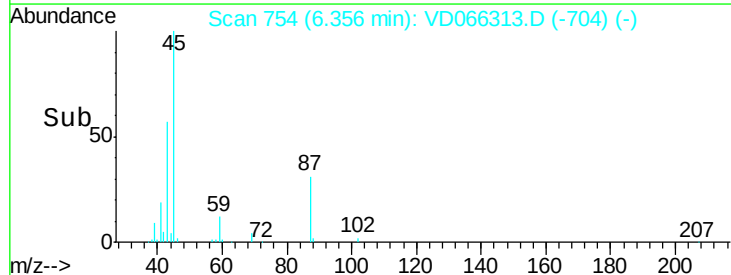
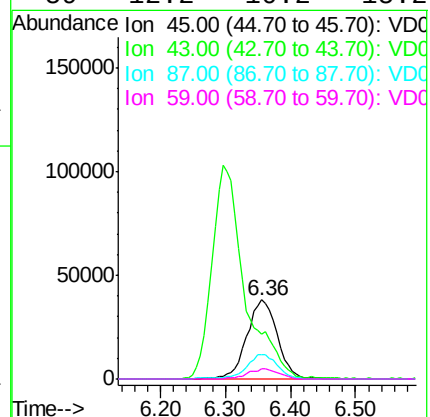
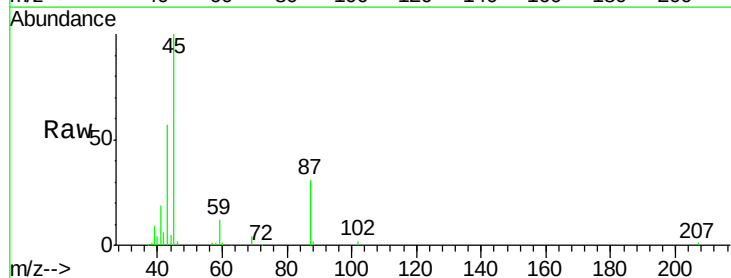
Ion Ratio Lower Upper

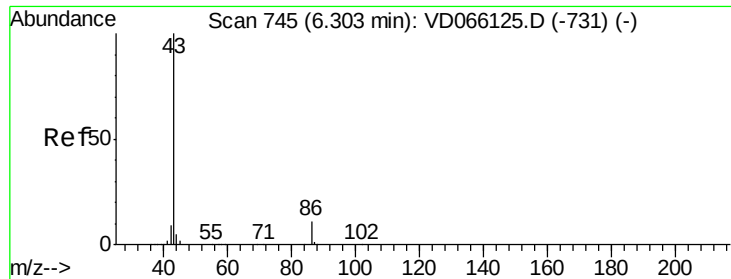
45 100

43 56.7 41.2 61.8

87 30.7 22.8 34.2

59 12.2 10.2 15.2





#23

Vinyl Acetate

Concen: 93.209 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

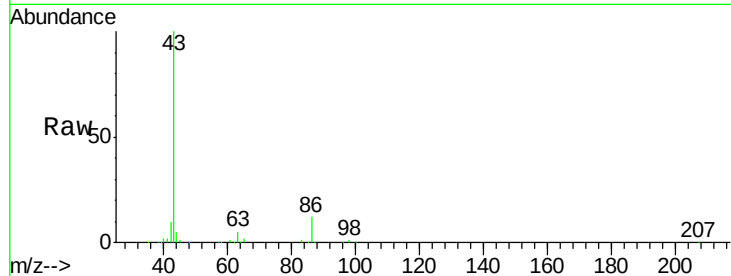
VD0819SBS01

Tgt Ion: 43 Resp: 360013

Ion Ratio Lower Upper

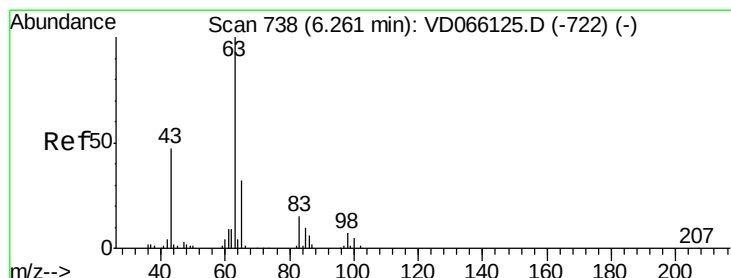
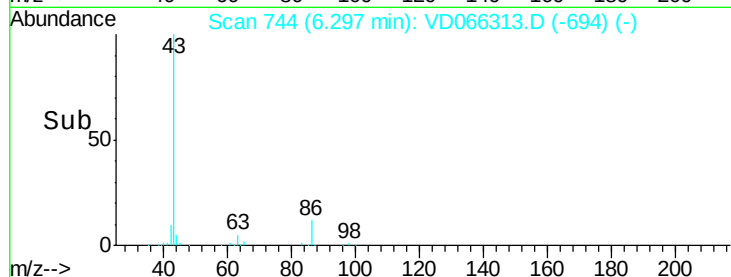
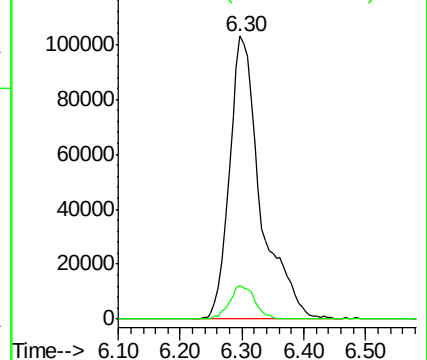
43 100

86 12.0 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.215 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

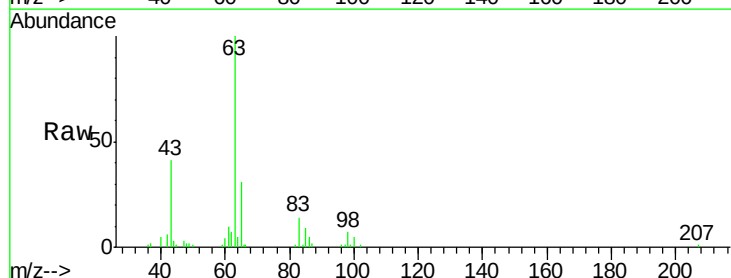
Tgt Ion: 63 Resp: 82482

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

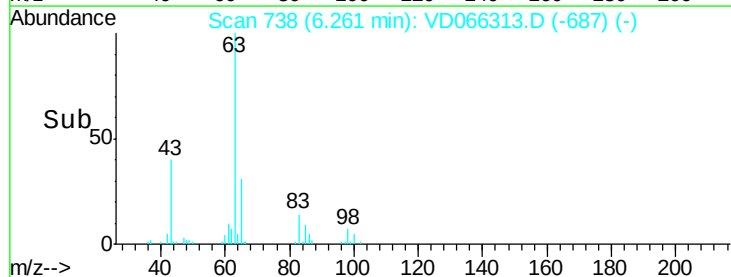
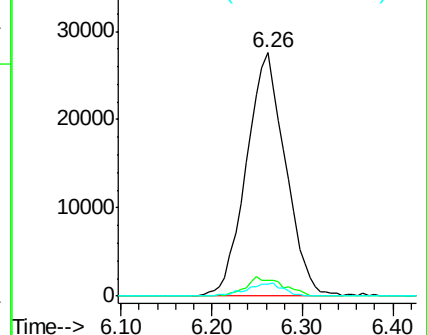
100 4.8 2.4 7.2



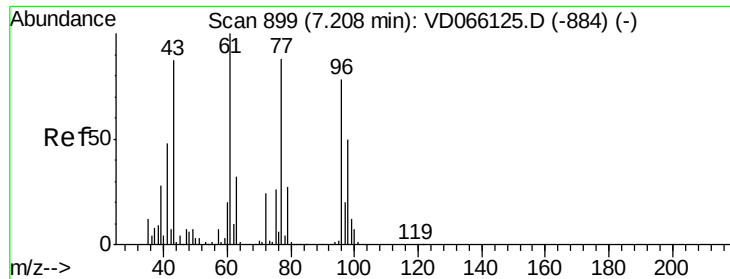
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







#25

2-Butanone

Concen: 89.380 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

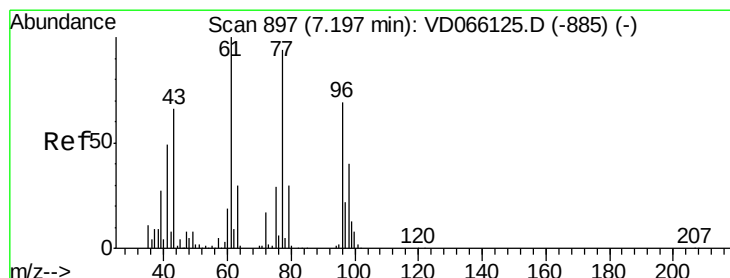
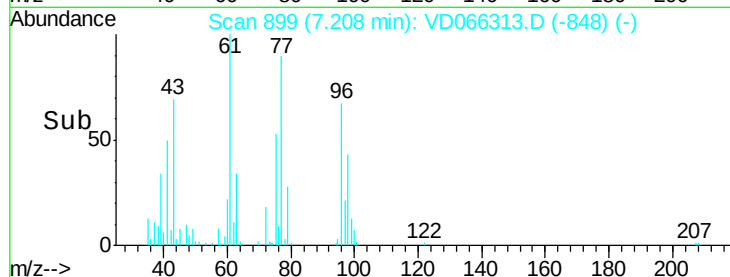
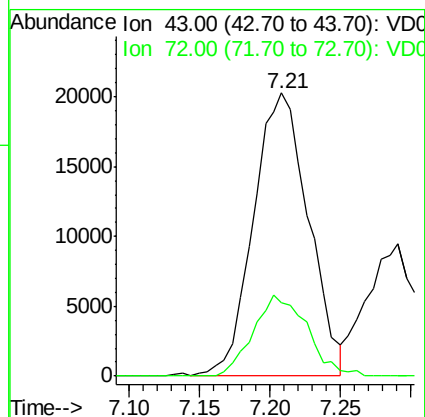
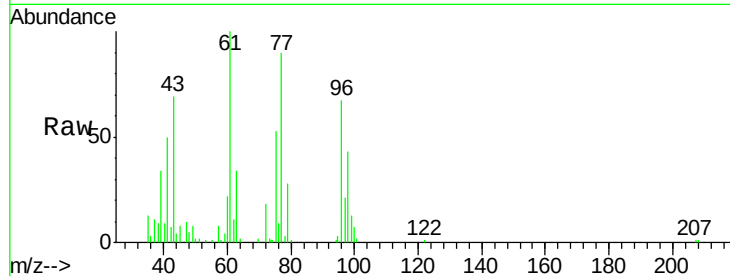
VD0819SBS01

Tgt Ion: 43 Resp: 55299

Ion Ratio Lower Upper

43 100

72 25.9 22.2 33.2



#26

2,2-Dichloropropane

Concen: 22.635 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066313.D

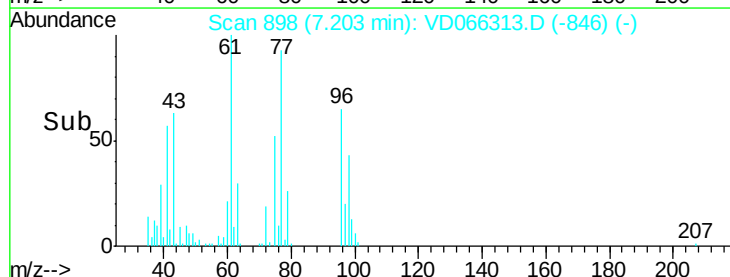
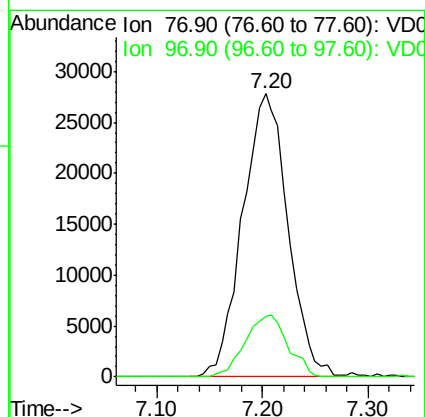
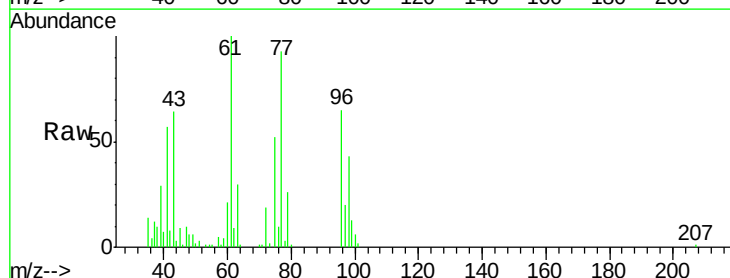
Acq: 19 Aug 2020 12:44

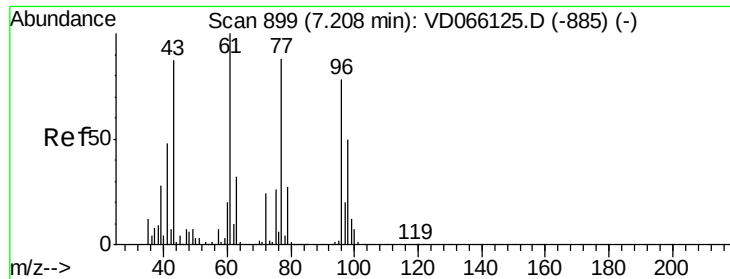
Tgt Ion: 77 Resp: 82776

Ion Ratio Lower Upper

77 100

97 20.7 11.8 35.3

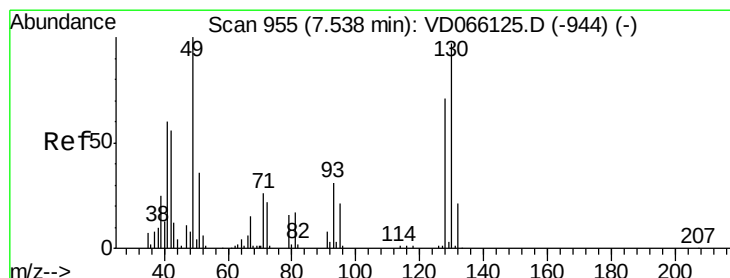
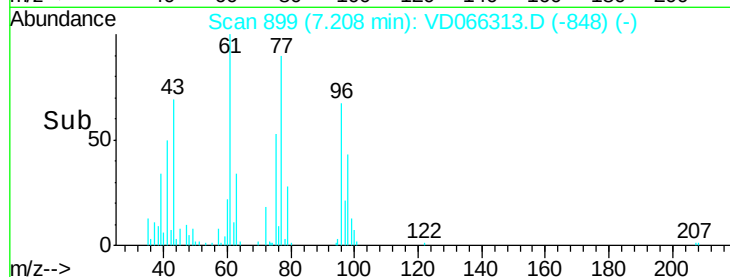
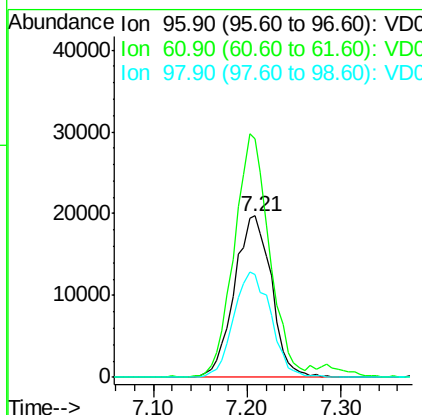
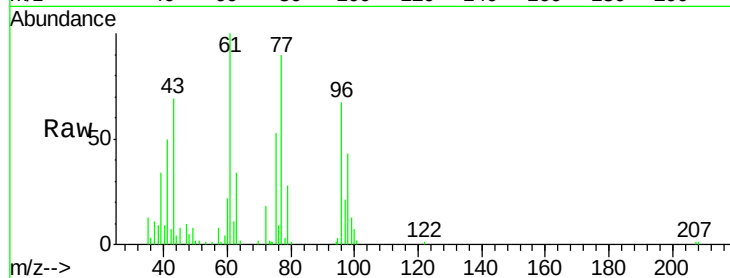




#27  
 cis-1,2-Dichloroethene  
 Concen: 20.447 ug/l  
 RT: 7.21 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

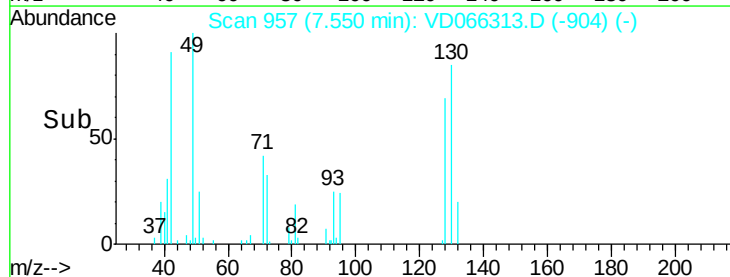
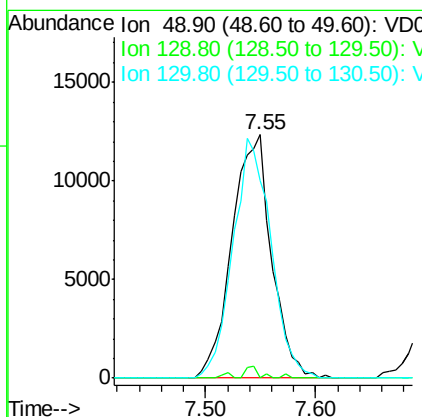
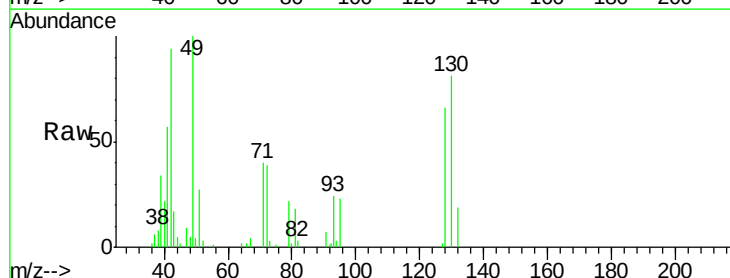
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

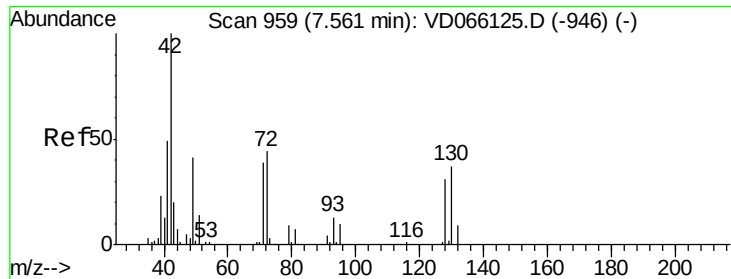
Tgt Ion: 96 Resp: 54218  
 Ion Ratio Lower Upper  
 96 100  
 61 142.6 0.0 281.6  
 98 65.5 0.0 130.8



#28  
 Bromochloromethane  
 Concen: 21.619 ug/l  
 RT: 7.55 min Scan# 957  
 Delta R.T. 0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 49 Resp: 30981  
 Ion Ratio Lower Upper  
 49 100  
 129 1.5 0.0 6.0  
 130 94.9 73.8 110.6

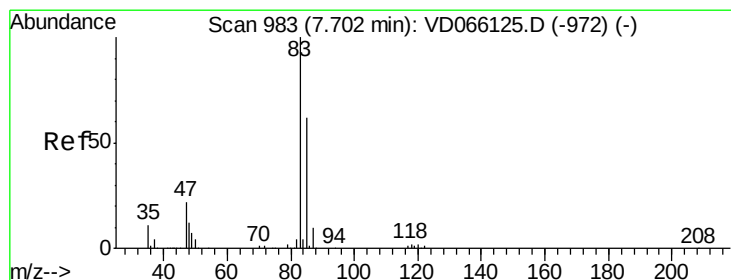
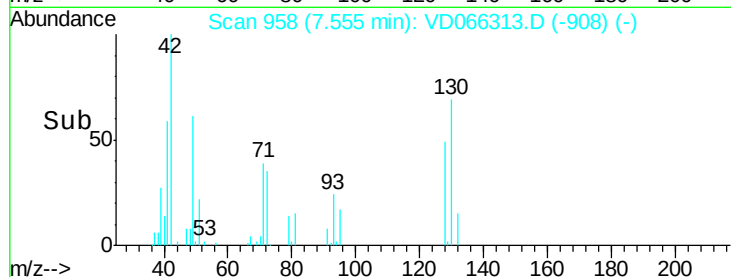
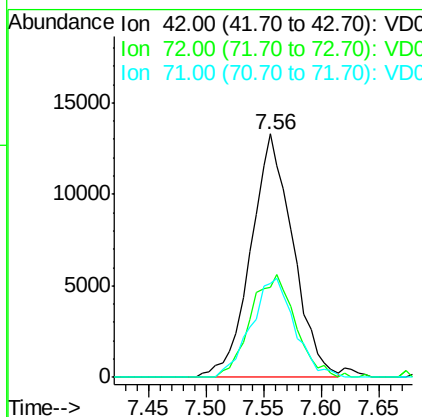
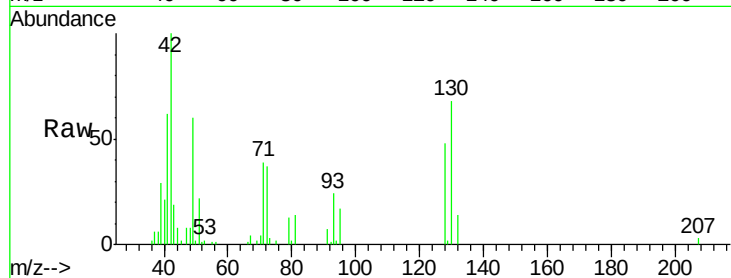




#29  
Tetrahydrofuran  
Concen: 88.203 ug/l  
RT: 7.56 min Scan# 958  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

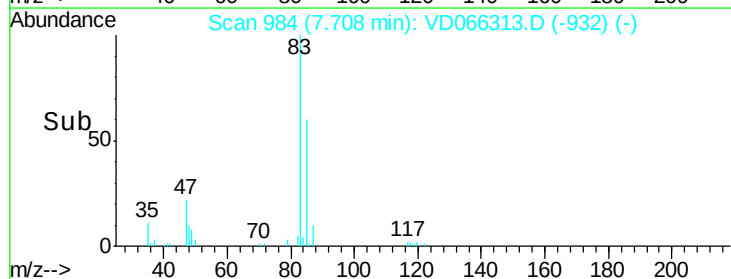
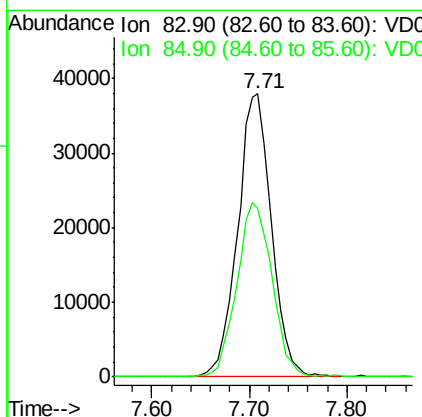
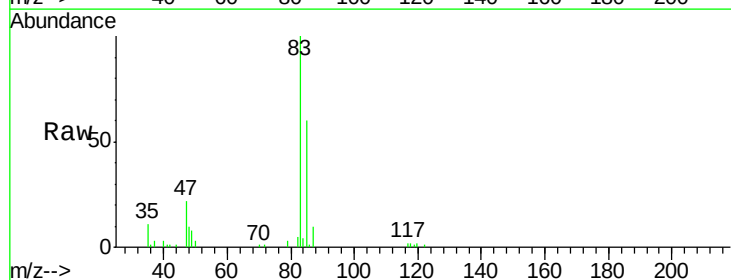
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

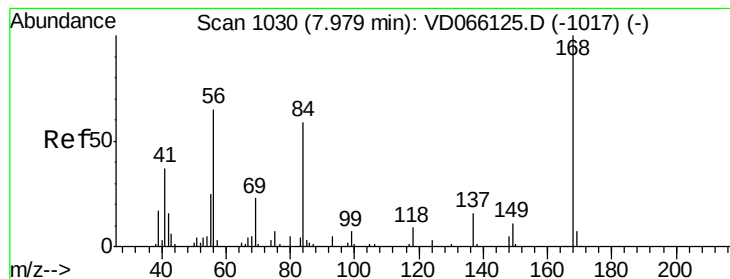
Tgt Ion: 42 Resp: 33810  
Ion Ratio Lower Upper  
42 100  
72 44.6 34.8 52.2  
71 41.9 33.5 50.3



#30  
Chloroform  
Concen: 21.221 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. 0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 83 Resp: 90917  
Ion Ratio Lower Upper  
83 100  
85 59.6 49.5 74.3





#31

Cyclohexane

Concen: 18.918 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

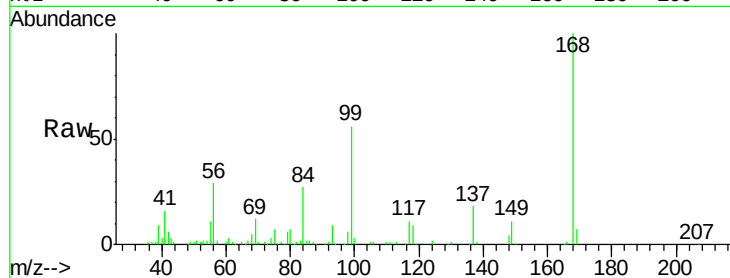
Tgt Ion: 56 Resp: 73477

Ion Ratio Lower Upper

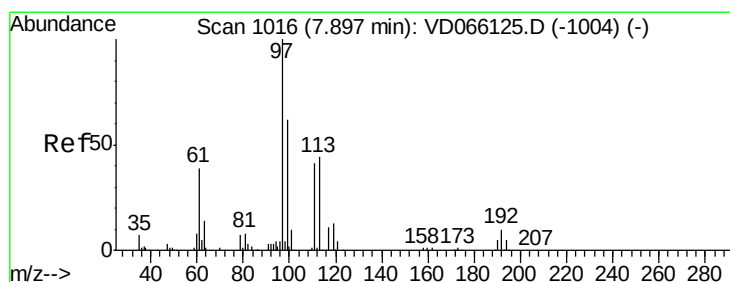
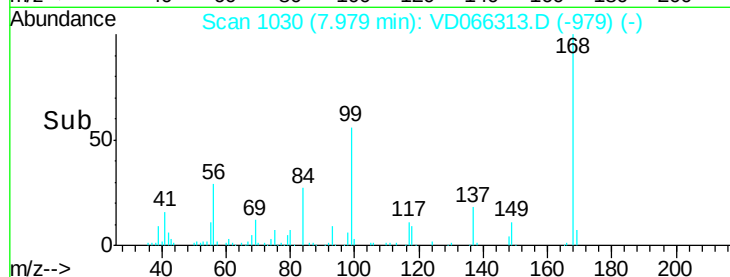
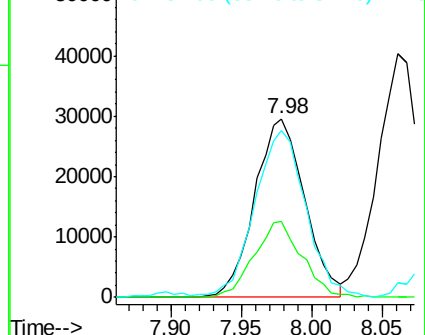
56 100

69 42.3 28.8 43.2

84 92.6 73.0 109.6



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



#32

1,1,1-Trichloroethane

Concen: 21.922 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

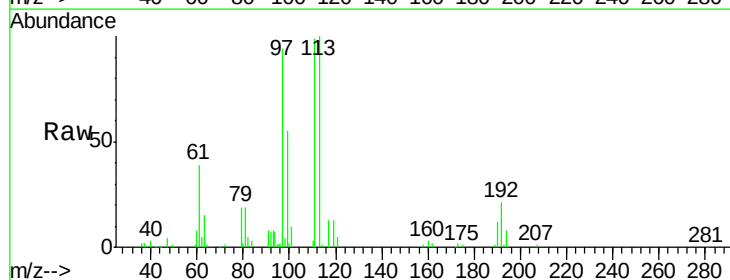
Tgt Ion: 97 Resp: 88062

Ion Ratio Lower Upper

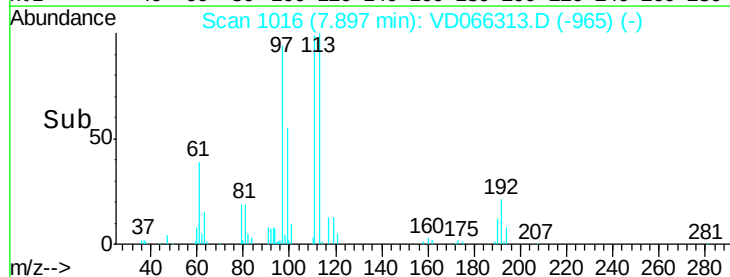
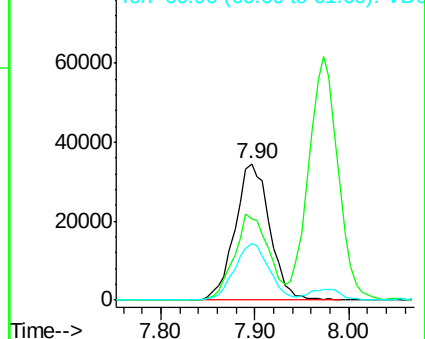
97 100

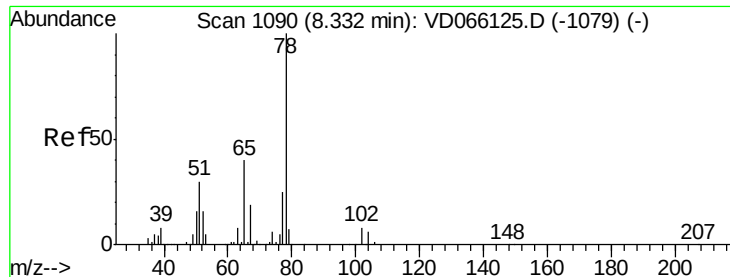
99 62.1 51.1 76.7

61 41.5 32.7 49.1



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

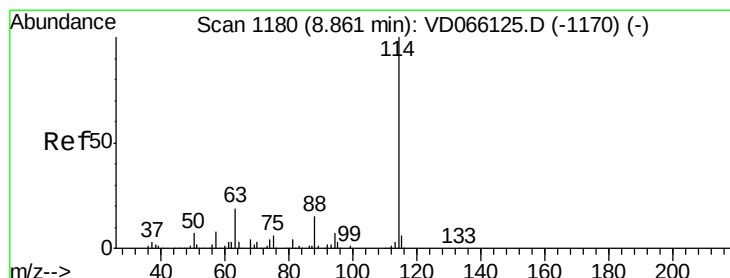
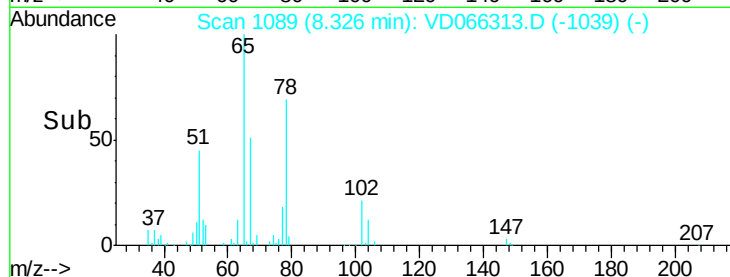
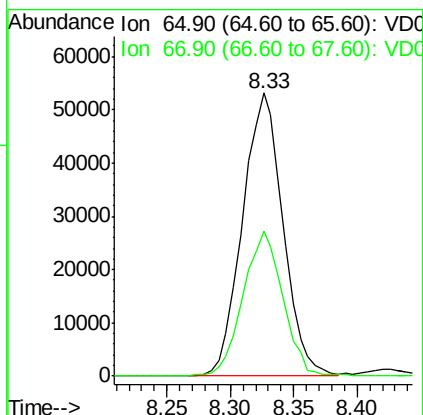
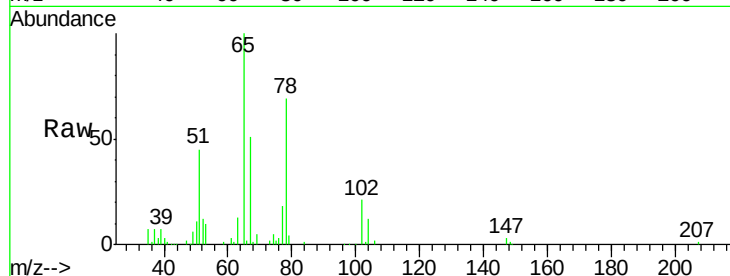




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.275 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

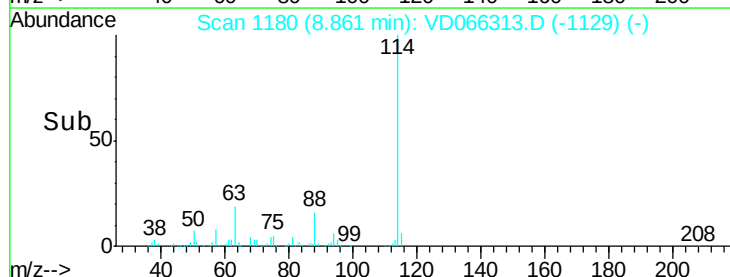
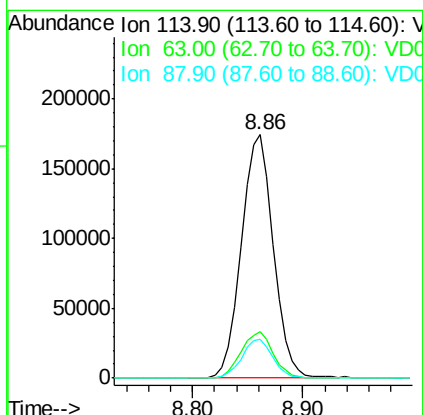
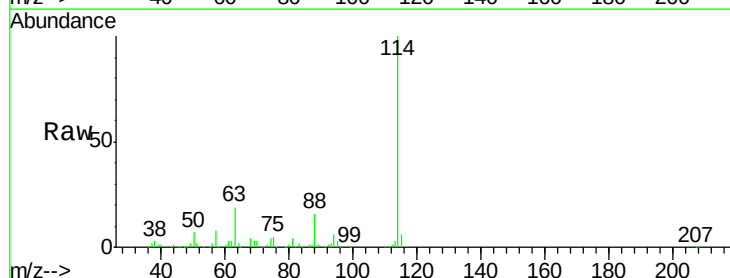
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

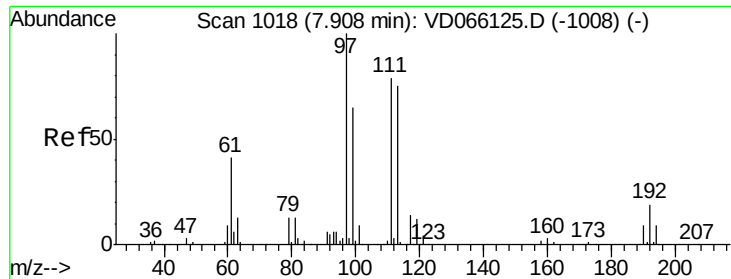
Tgt Ion: 65 Resp: 118108  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 114 Resp: 355043  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 38.6  
 88 16.0 0.0 30.0

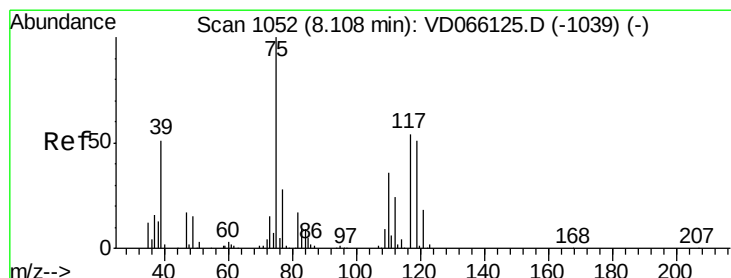
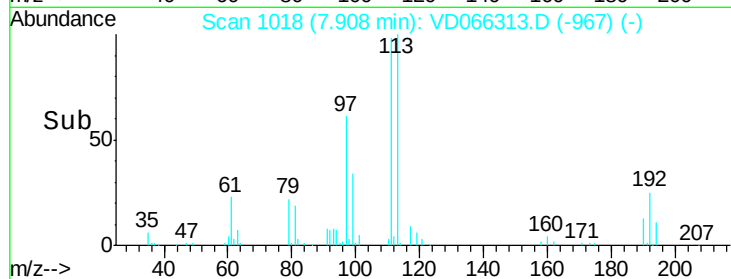
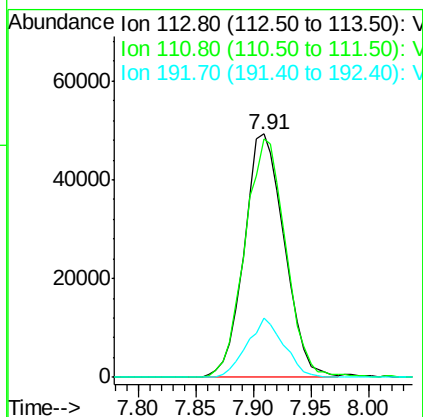
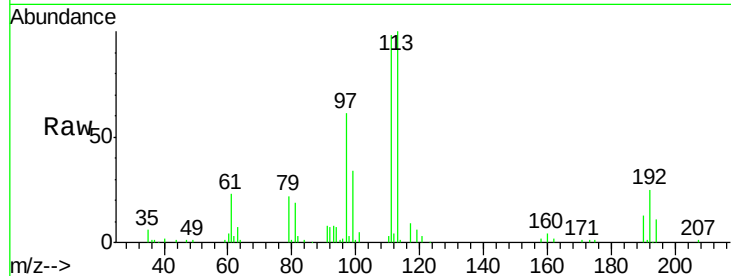




#35  
 Dibromofluoromethane  
 Concen: 53.214 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

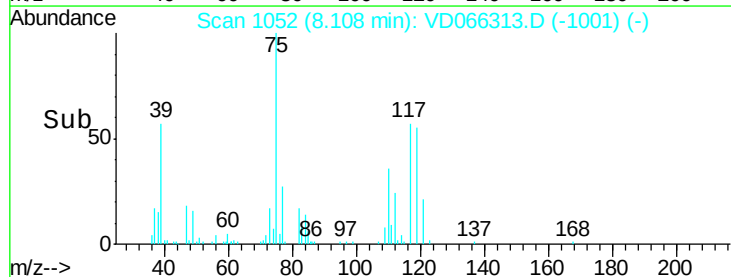
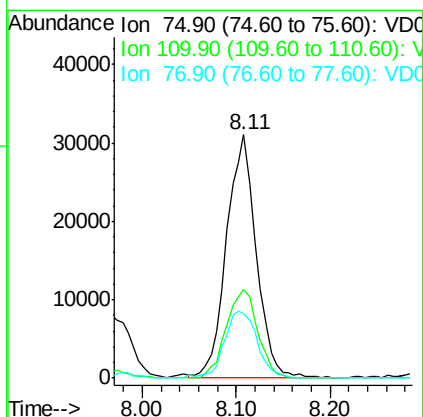
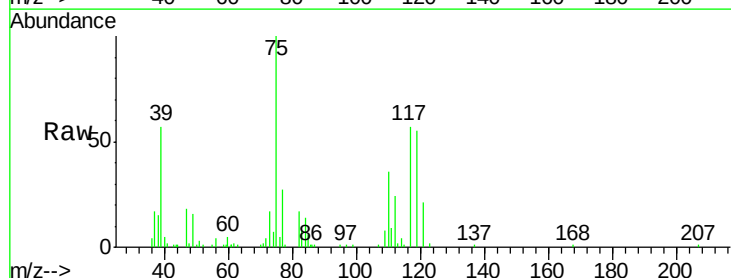
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

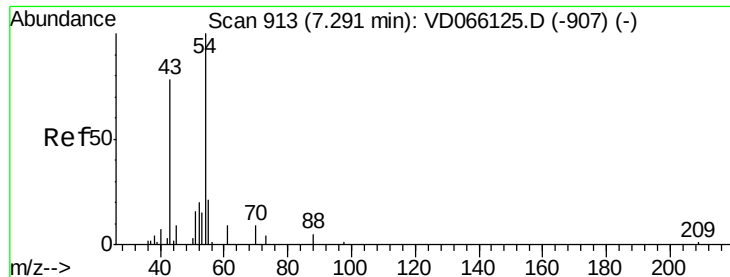
Tgt Ion: 113 Resp: 119688  
 Ion Ratio Lower Upper  
 113 100  
 111 99.9 80.7 121.1  
 192 22.4 18.4 27.6



#36  
 1,1-Dichloropropene  
 Concen: 20.419 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 75 Resp: 68126  
 Ion Ratio Lower Upper  
 75 100  
 110 38.5 18.8 56.3  
 77 30.4 24.2 36.2

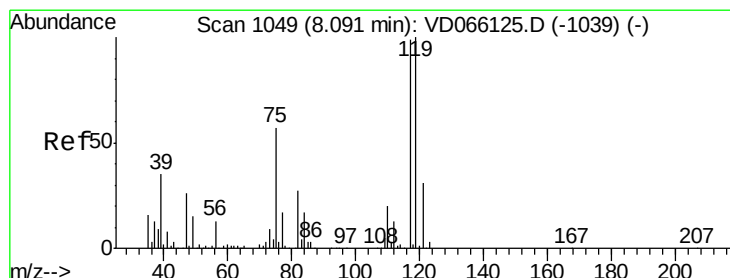
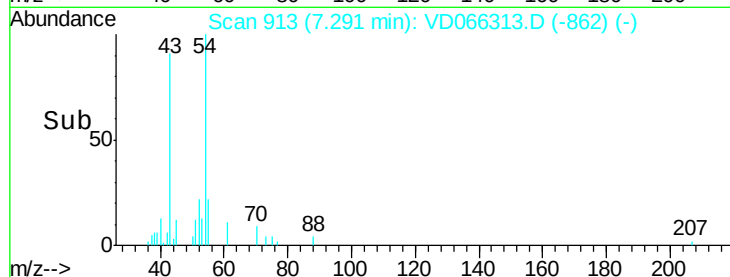
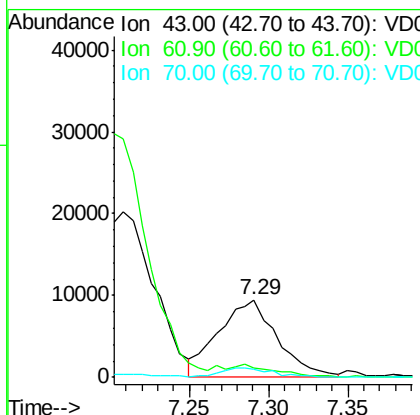
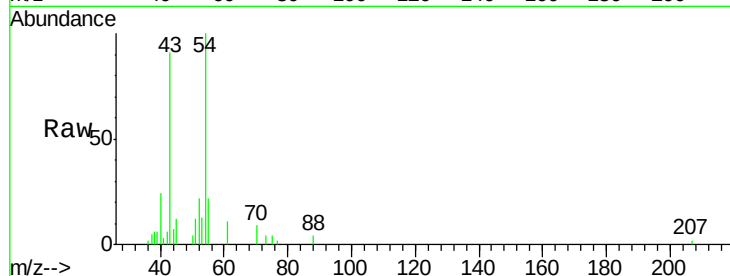




#37  
 Ethyl Acetate  
 Concen: 18.468 ug/l  
 RT: 7.29 min Scan# 913  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

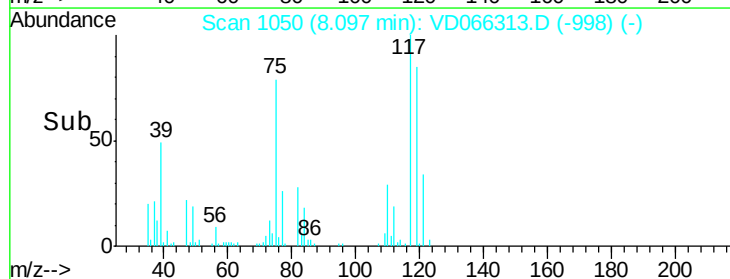
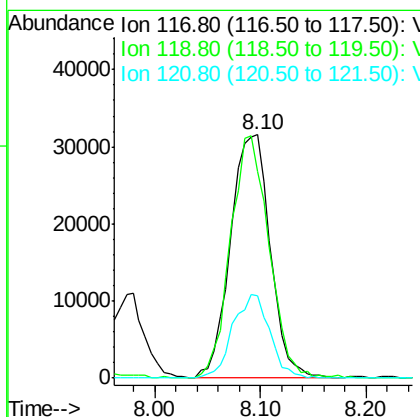
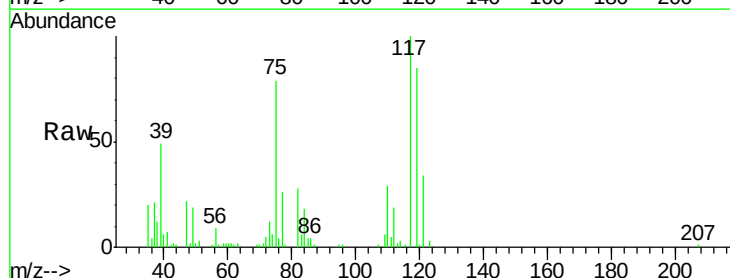
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

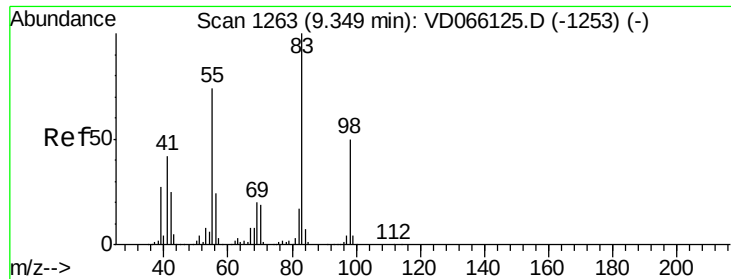
Tgt Ion: 43 Resp: 24413  
 Ion Ratio Lower Upper  
 43 100  
 61 11.8 12.0 18.0#  
 70 10.8 9.7 14.5



#38  
 Carbon Tetrachloride  
 Concen: 22.106 ug/l  
 RT: 8.10 min Scan# 1050  
 Delta R.T. 0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 117 Resp: 82246  
 Ion Ratio Lower Upper  
 117 100  
 119 84.7 81.0 121.4  
 121 33.7 24.8 37.2

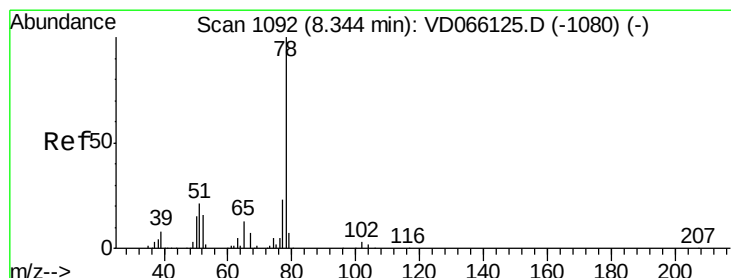
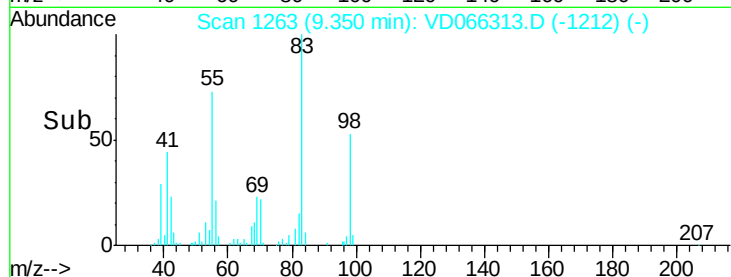
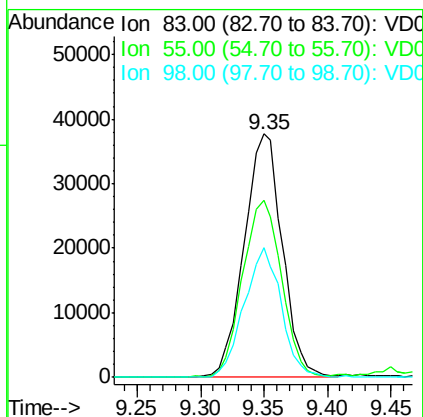
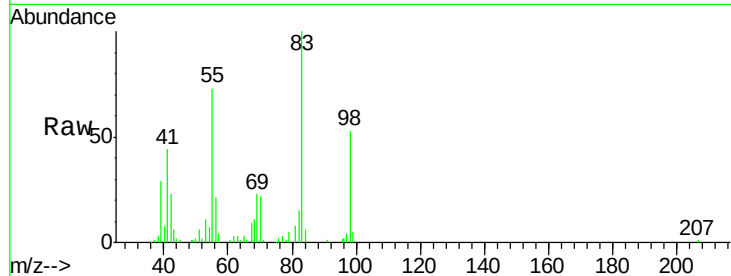




#39  
Methylcyclohexane  
Concen: 19.644 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

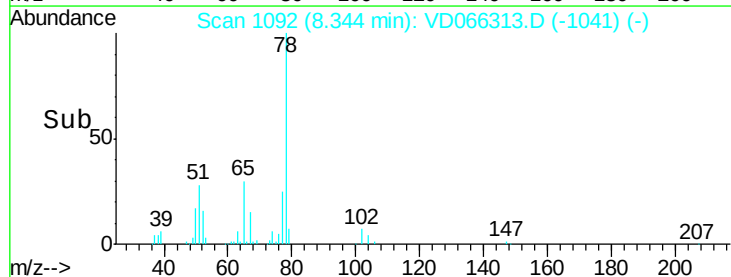
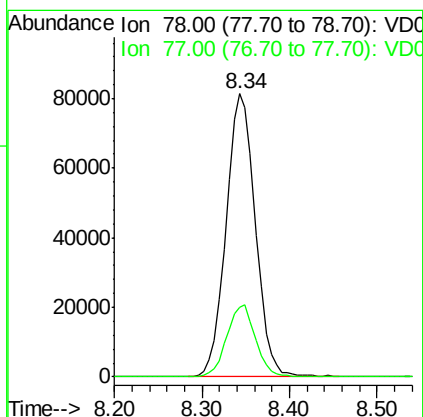
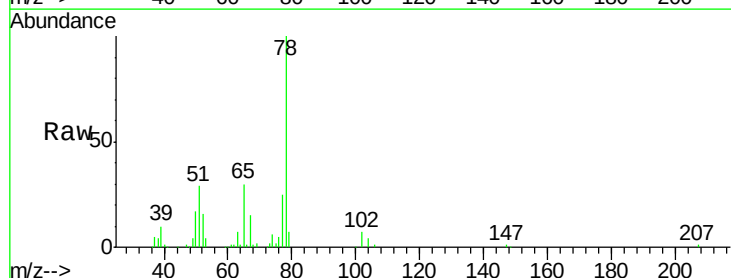
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

Tgt Ion: 83 Resp: 79225  
Ion Ratio Lower Upper  
83 100  
55 72.9 59.2 88.8  
98 53.1 39.8 59.6

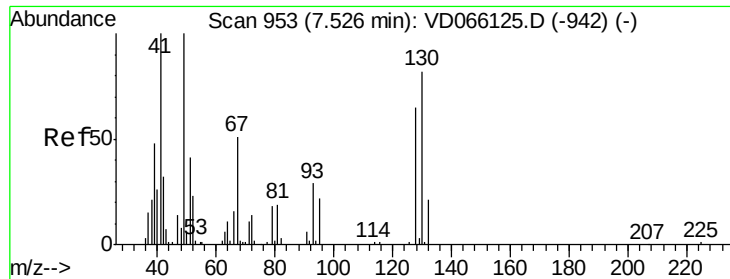


#40  
Benzene  
Concen: 20.033 ug/l  
RT: 8.34 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 78 Resp: 185412  
Ion Ratio Lower Upper  
78 100  
77 24.7 18.6 27.8



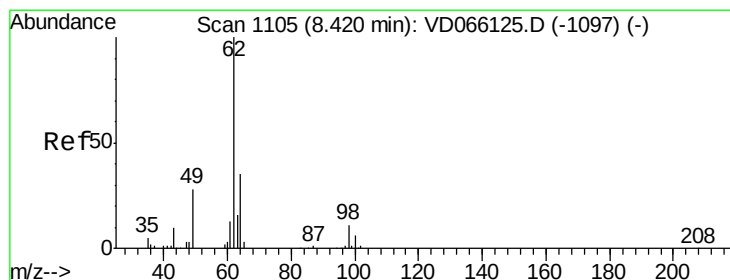
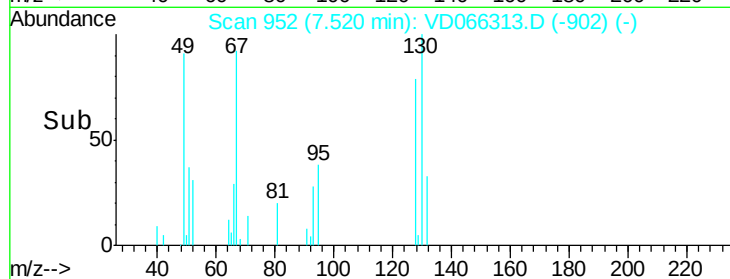
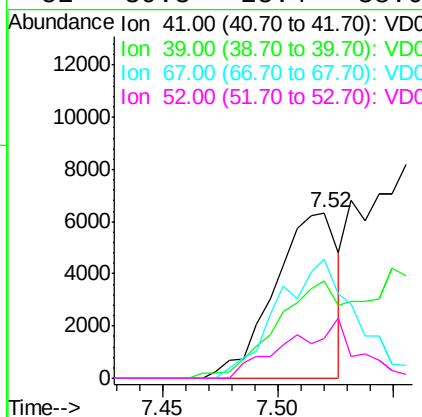
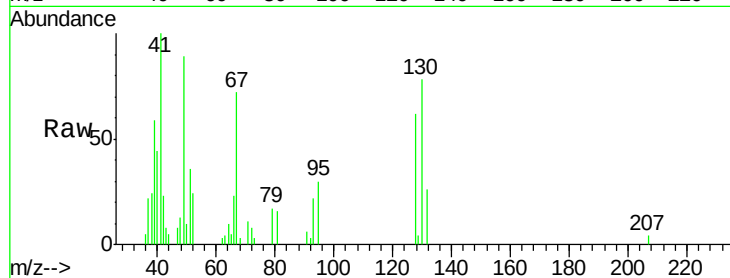




#41  
Methacrylonitrile  
Concen: 15.540 ug/l  
RT: 7.52 min Scan# 952  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

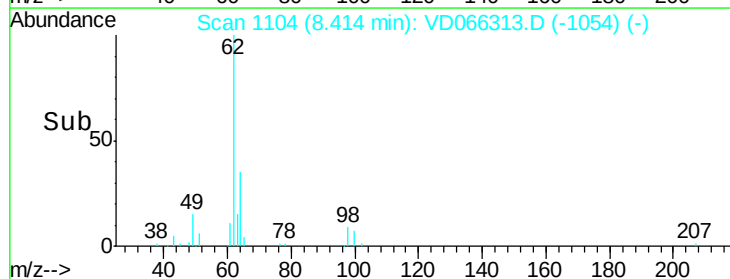
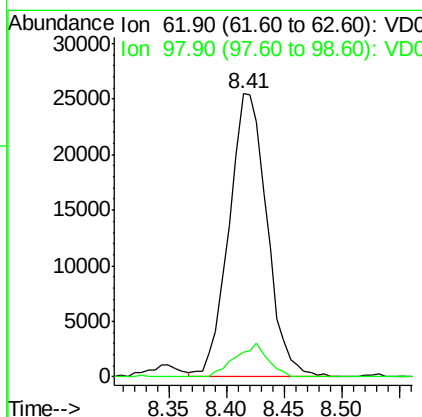
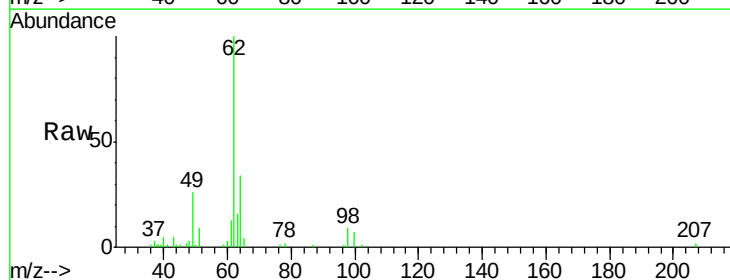
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

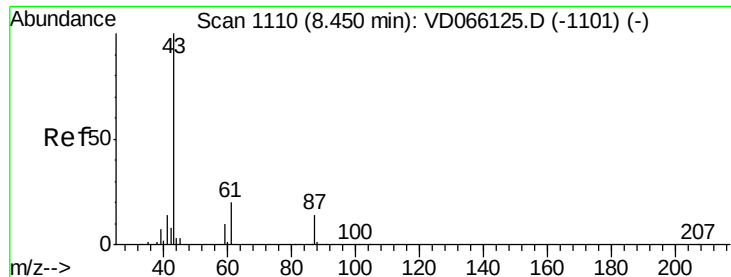
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 12078 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 74.6  | 47.5  | 71.3# |
| 67       | 89.0  | 59.1  | 88.7# |
| 52       | 39.3  | 25.4  | 38.0# |



#42  
1,2-Dichloroethane  
Concen: 21.353 ug/l  
RT: 8.41 min Scan# 1104  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 58056 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.0  | 0.0   | 20.4  |

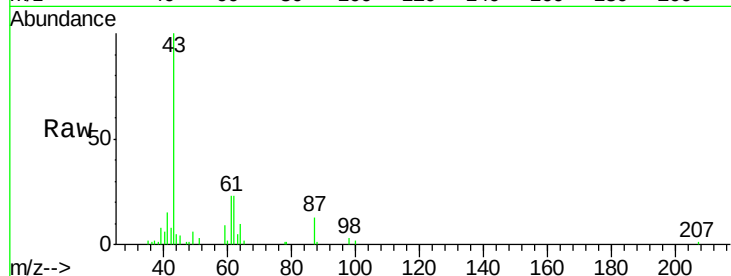




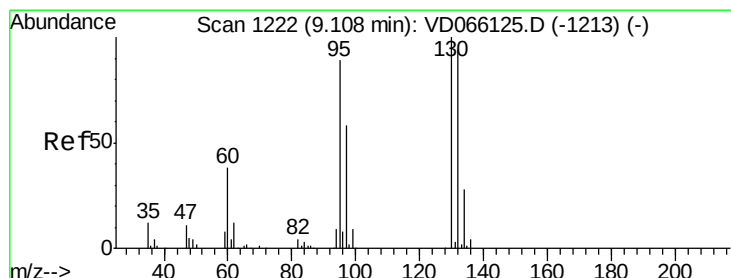
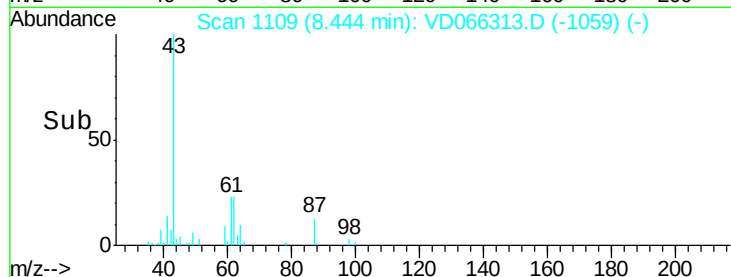
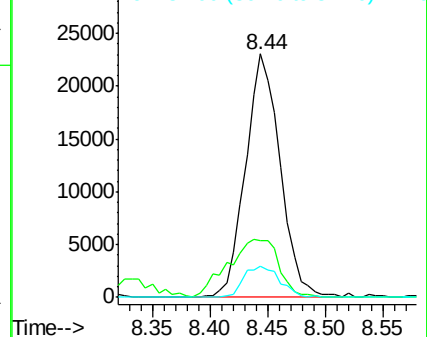
#43  
Isopropyl Acetate  
Concen: 18.441 ug/l  
RT: 8.44 min Scan# 1109  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

Tgt Ion: 43 Resp: 48030  
Ion Ratio Lower Upper  
43 100  
61 35.0 25.5 38.3  
87 13.4 11.2 16.8

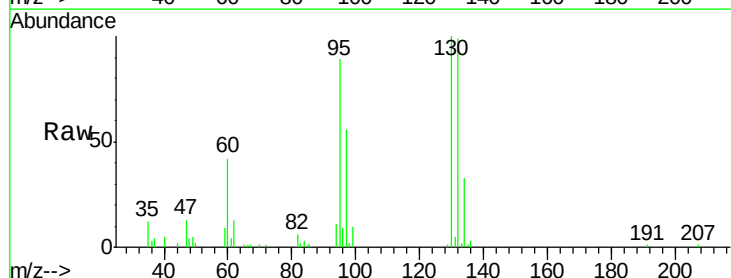


Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 61.00 (60.70 to 61.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC

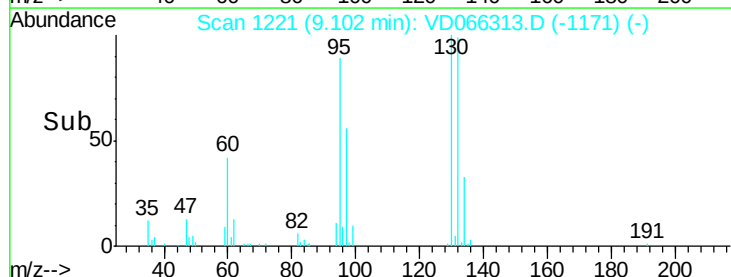
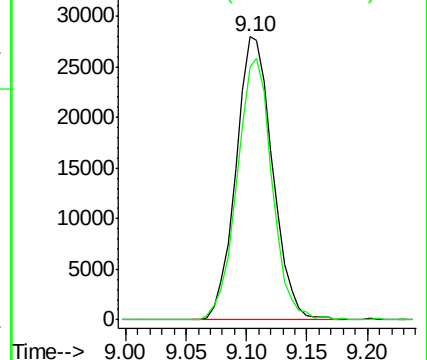


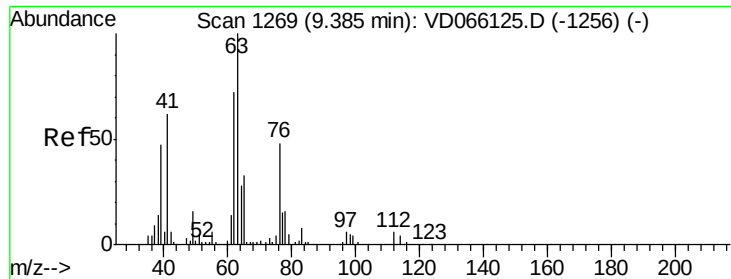
#44  
Trichloroethene  
Concen: 21.143 ug/l  
RT: 9.10 min Scan# 1221  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 130 Resp: 58967  
Ion Ratio Lower Upper  
130 100  
95 89.1 0.0 178.4



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

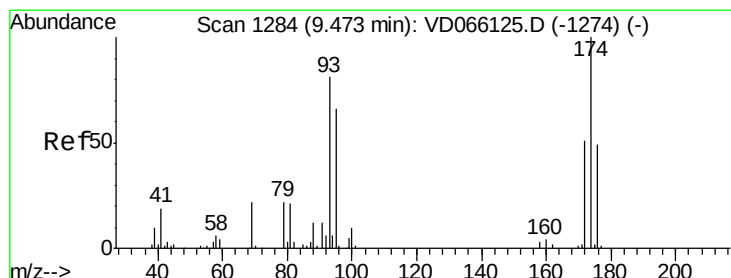
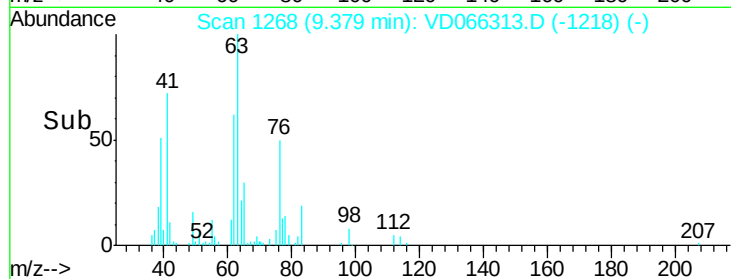
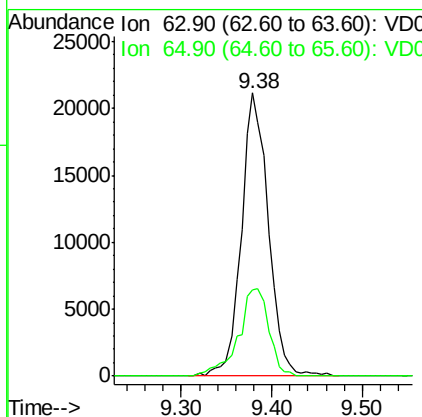
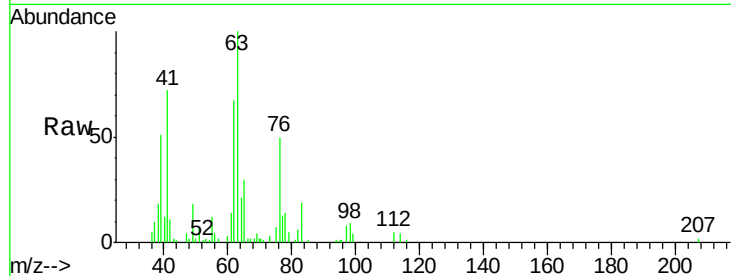




#45  
 1,2-Dichloropropane  
 Concen: 19.277 ug/l  
 RT: 9.38 min Scan# 1268  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

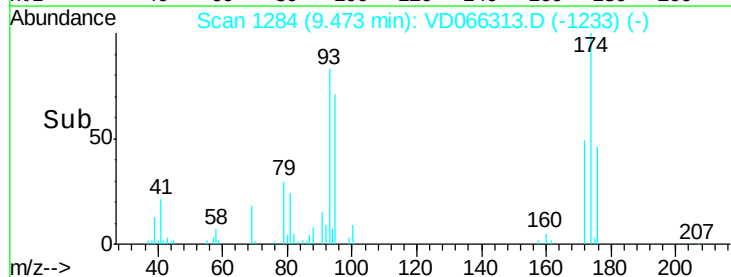
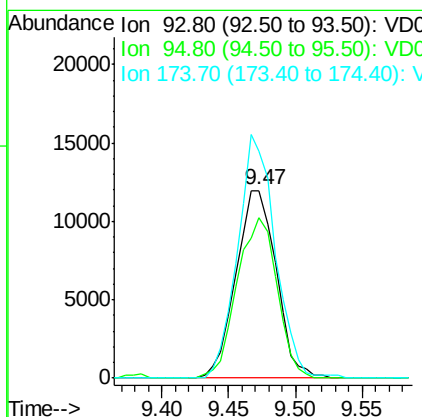
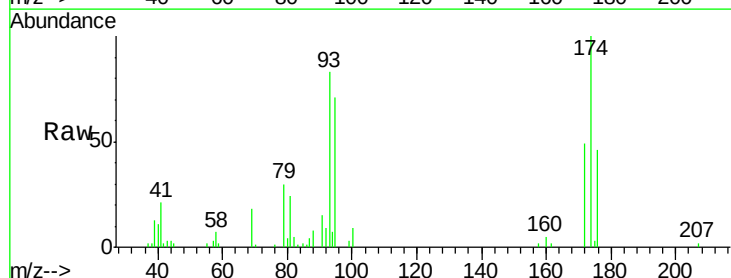
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

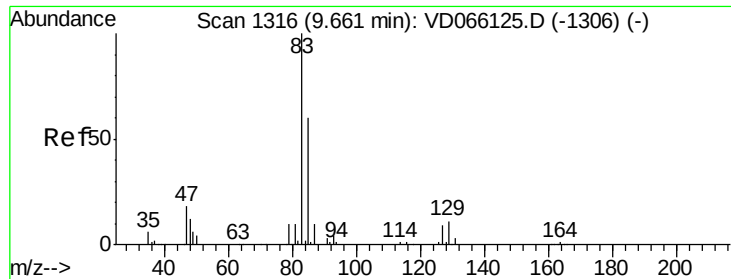
Tgt Ion: 63 Resp: 43636  
 Ion Ratio Lower Upper  
 63 100  
 65 30.3 26.5 39.7



#46  
 Dibromomethane  
 Concen: 20.063 ug/l  
 RT: 9.47 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 93 Resp: 25015  
 Ion Ratio Lower Upper  
 93 100  
 95 84.8 65.8 98.6  
 174 121.1 92.8 139.2

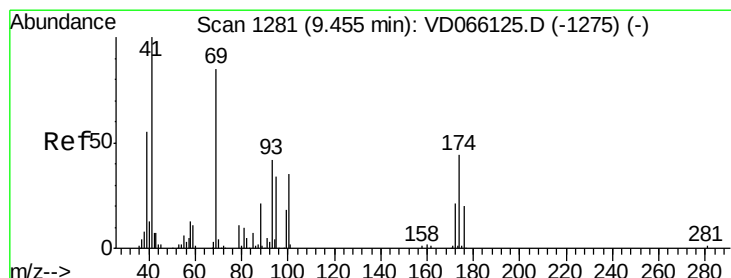
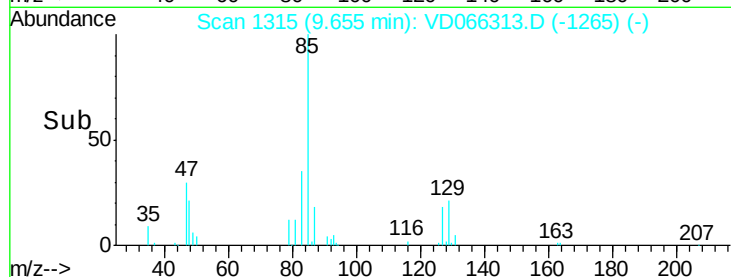
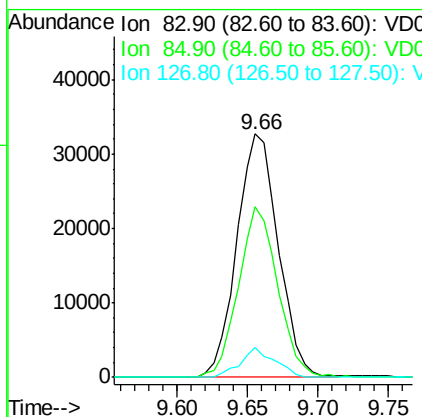
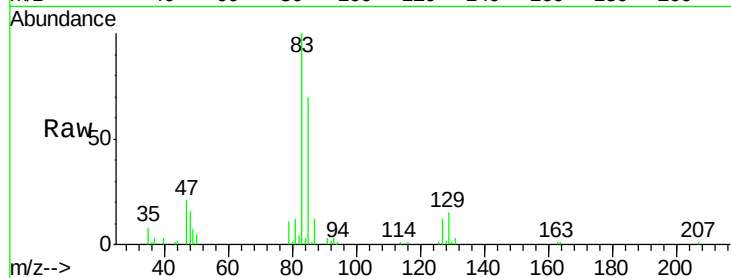




#47  
Bromodichloromethane  
Concen: 20.358 ug/l  
RT: 9.66 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

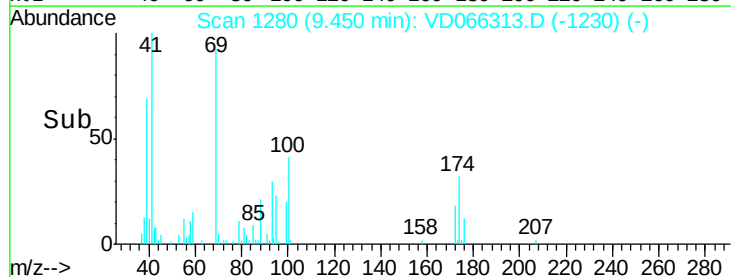
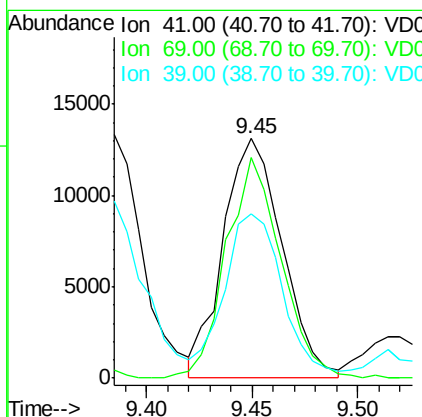
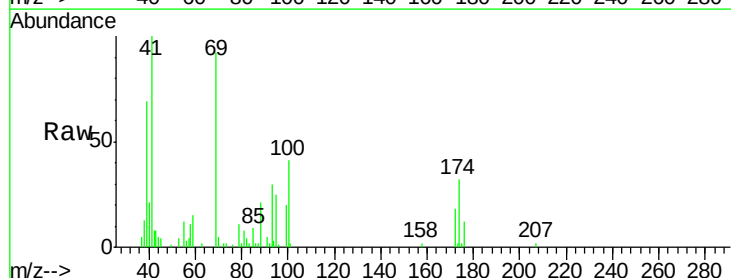
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

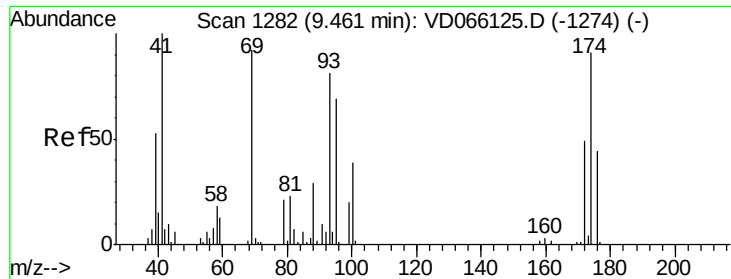
Tgt Ion: 83 Resp: 67086  
Ion Ratio Lower Upper  
83 100  
85 70.1 48.2 72.4  
127 12.4 7.3 10.9#



#48  
Methyl methacrylate  
Concen: 19.144 ug/l  
RT: 9.45 min Scan# 1280  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 41 Resp: 25460  
Ion Ratio Lower Upper  
41 100  
69 85.7 63.9 95.9  
39 61.4 42.6 64.0

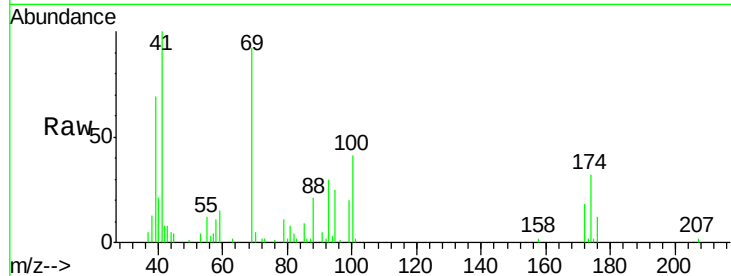




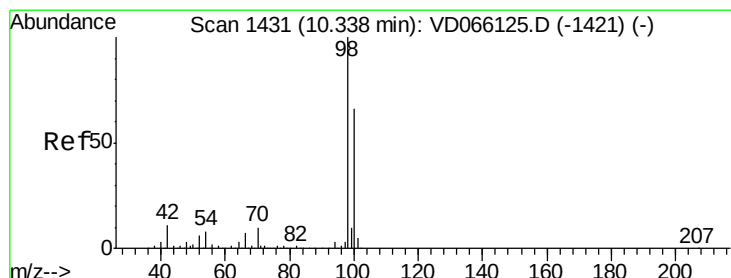
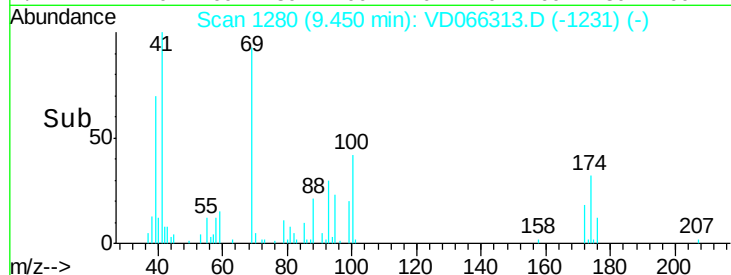
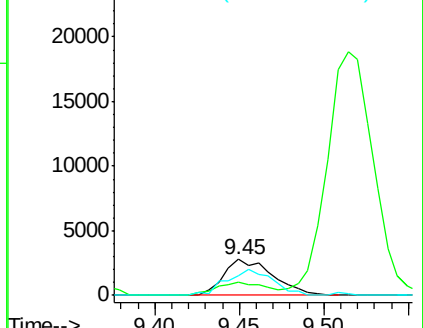
#49  
 1,4-Dioxane  
 Concen: 350.713 ug/l  
 RT: 9.45 min Scan# 1280  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

Tgt Ion: 88 Resp: 5618  
 Ion Ratio Lower Upper  
 88 100  
 43 36.7 27.5 41.3  
 58 68.9 50.2 75.4

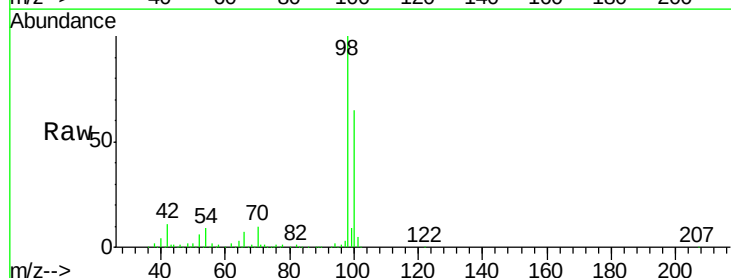


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.00 (42.70 to 43.70): VDC  
 Ion 58.00 (57.70 to 58.70): VDC

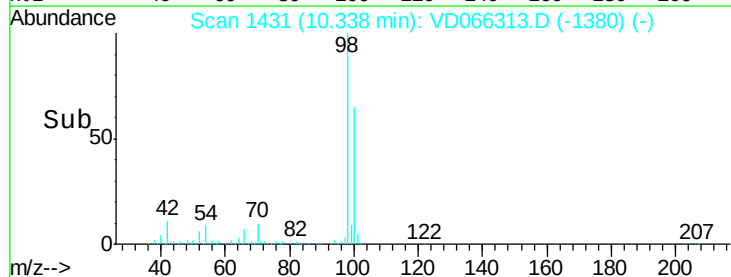
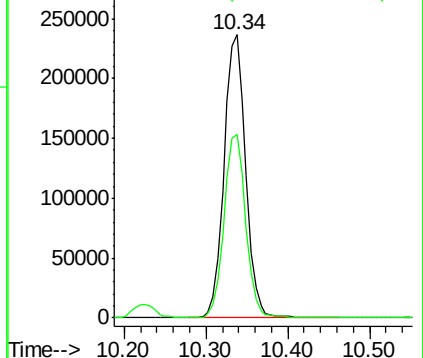


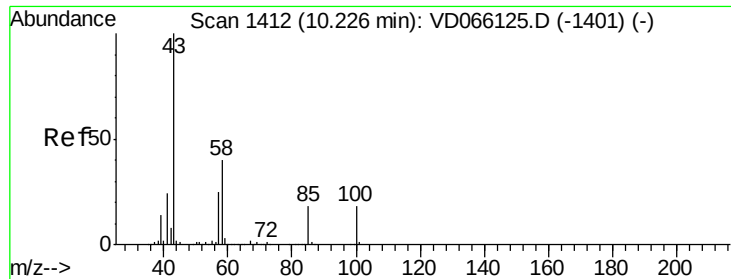
#50  
 Toluene-d8  
 Concen: 52.282 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 98 Resp: 433937  
 Ion Ratio Lower Upper  
 98 100  
 100 65.2 52.6 78.8



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

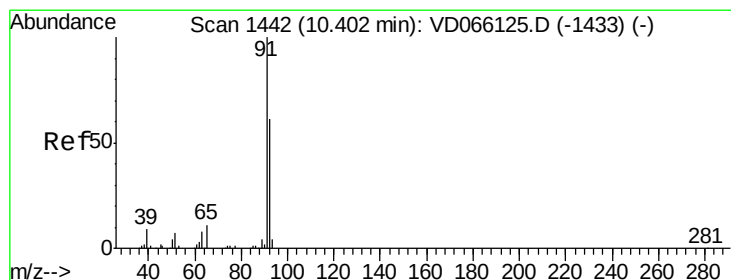
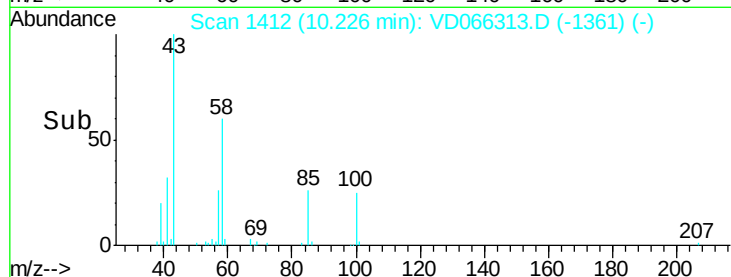
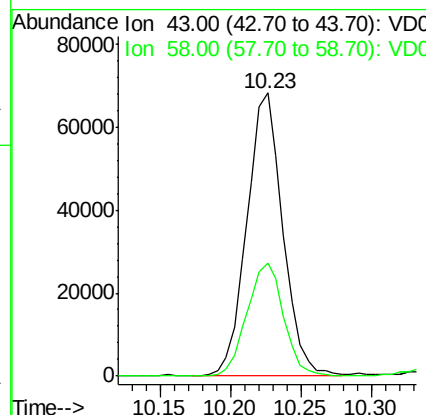
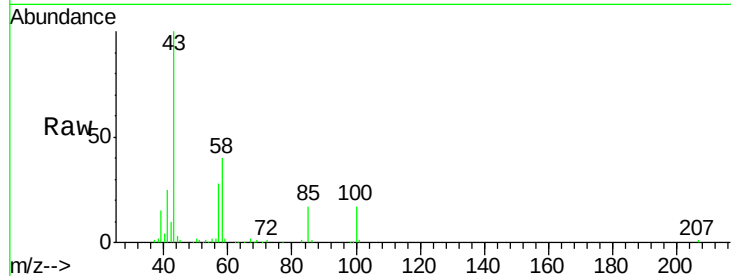




#51  
 4-Methyl-2-Pentanone  
 Concen: 91.193 ug/l  
 RT: 10.23 min Scan# 1412  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

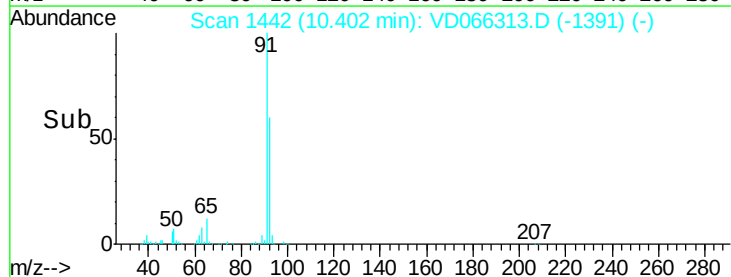
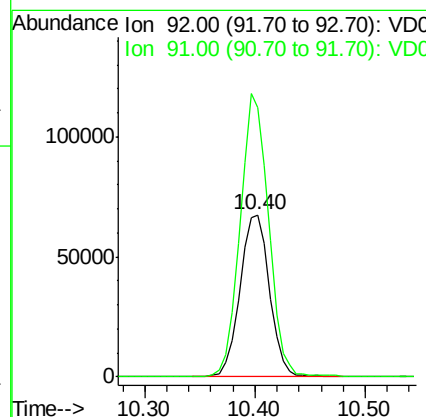
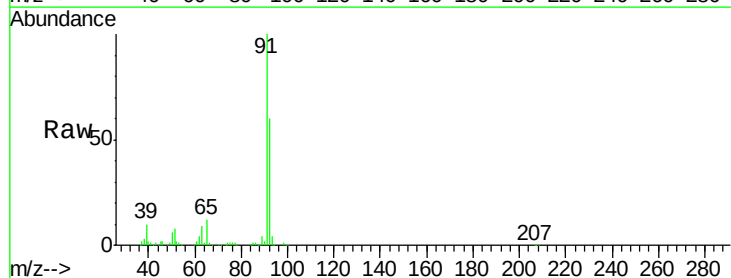
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

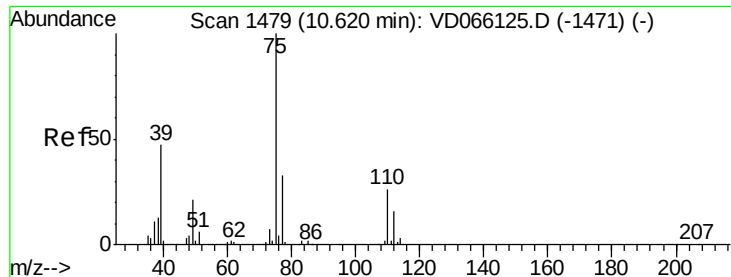
Tgt Ion: 43 Resp: 122002  
 Ion Ratio Lower Upper  
 43 100  
 58 40.7 31.1 46.7



#52  
 Toluene  
 Concen: 20.860 ug/l  
 RT: 10.40 min Scan# 1442  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 92 Resp: 127038  
 Ion Ratio Lower Upper  
 92 100  
 91 168.7 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 20.459 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

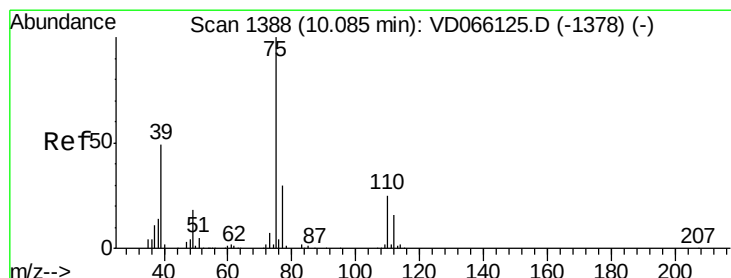
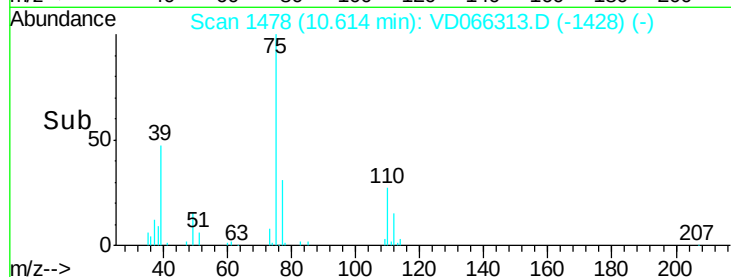
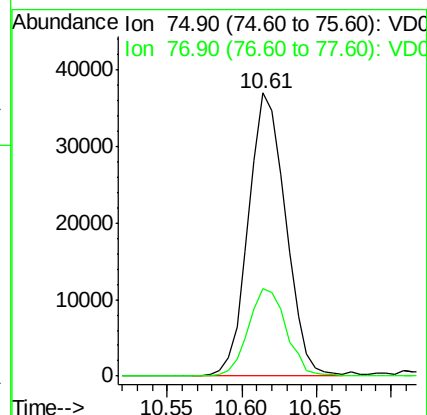
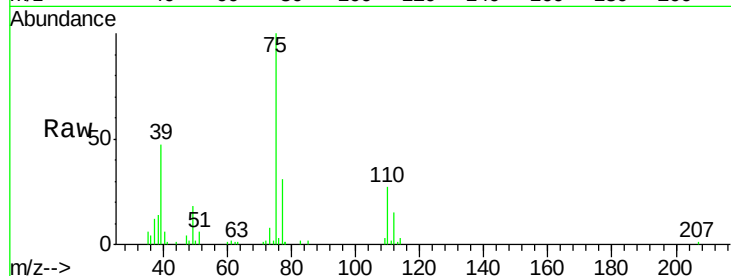
VD0819SBS01

Tgt Ion: 75 Resp: 63983

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 20.587 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

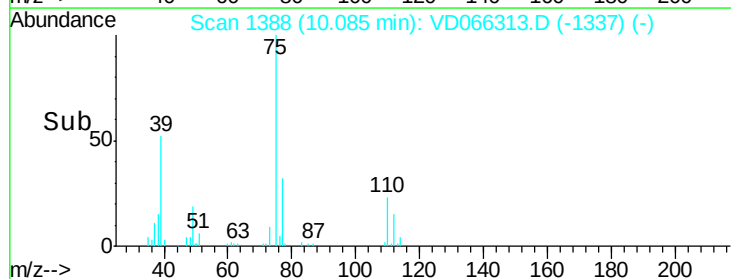
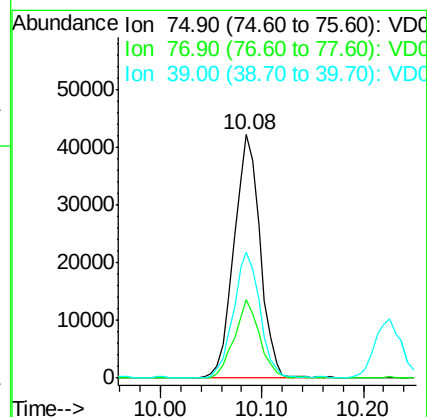
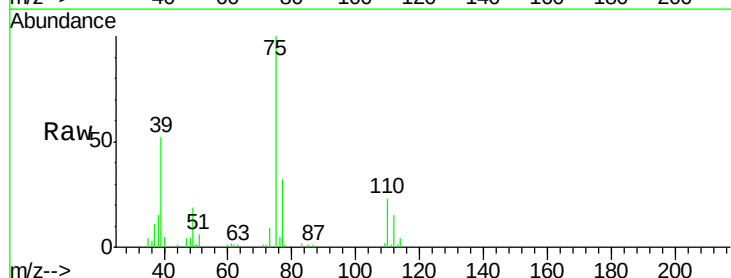
Tgt Ion: 75 Resp: 75434

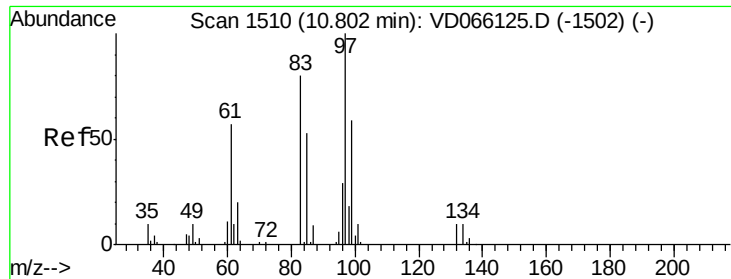
Ion Ratio Lower Upper

75 100

77 32.2 24.3 36.5

39 51.8 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 19.914 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

Tgt Ion: 97 Resp: 35753

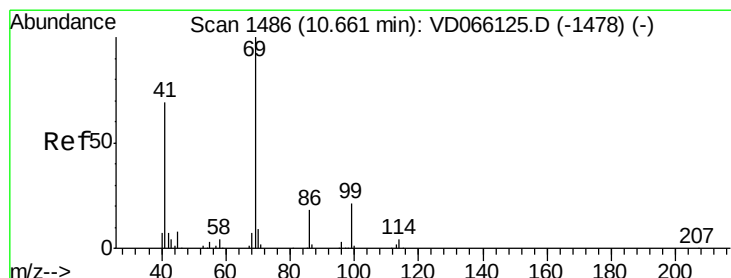
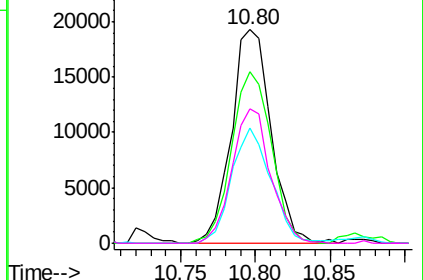
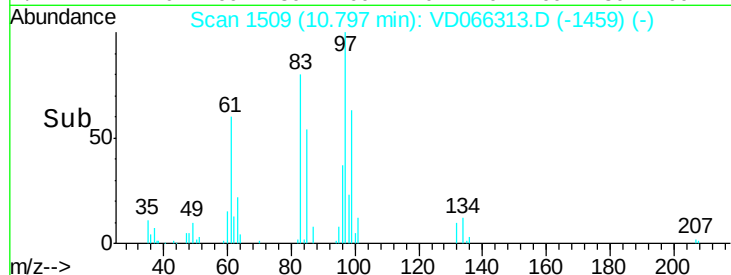
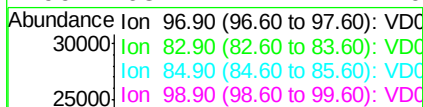
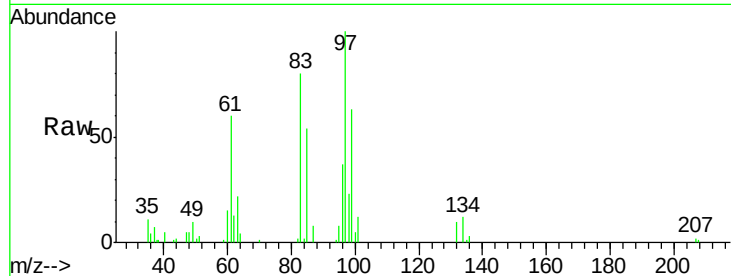
Ion Ratio Lower Upper

97 100

83 80.3 63.9 95.9

85 53.7 42.5 63.7

99 63.1 47.4 71.0



#56

Ethyl methacrylate

Concen: 18.675 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

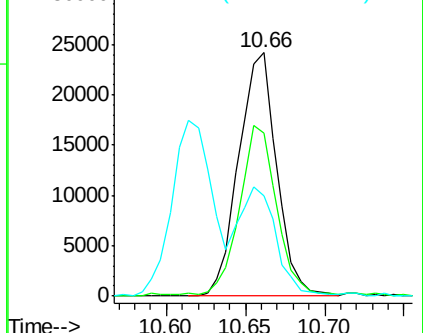
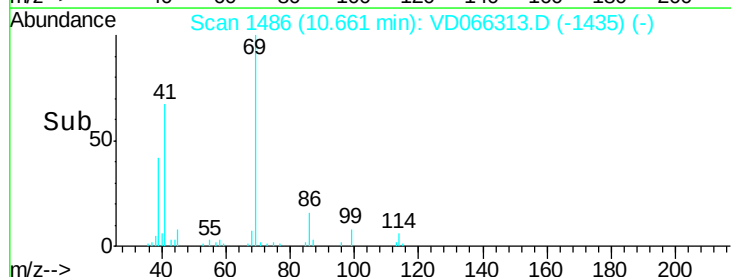
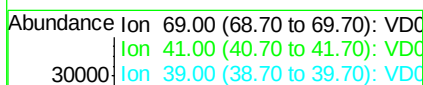
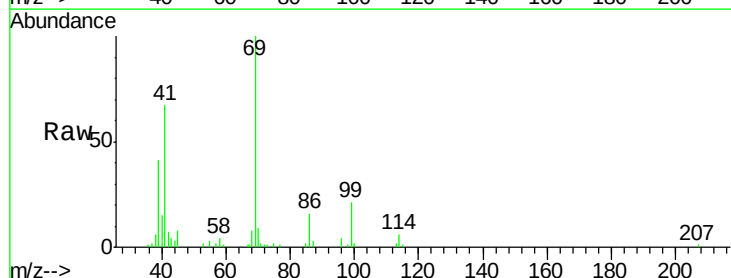
Tgt Ion: 69 Resp: 40278

Ion Ratio Lower Upper

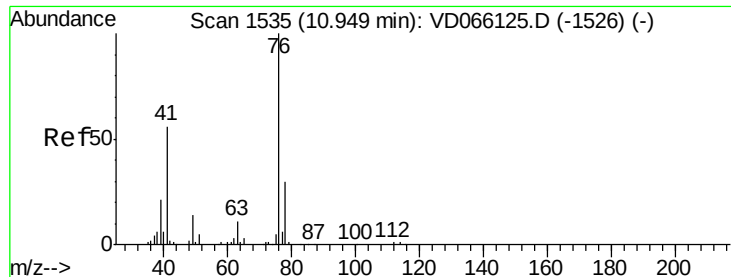
69 100

41 66.8 54.1 81.1

39 43.5 28.6 43.0#



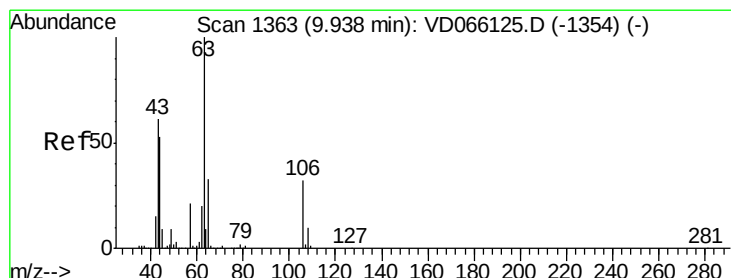
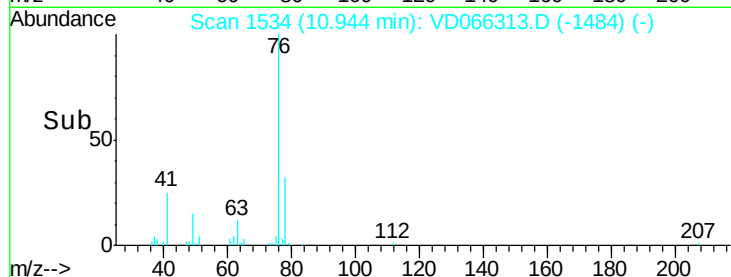
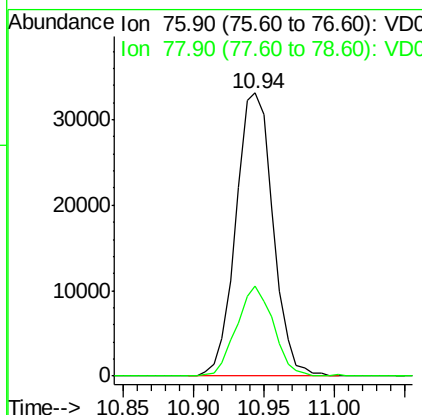
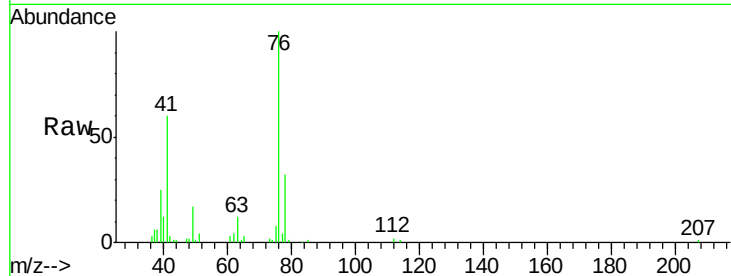




#57  
 1,3-Dichloropropane  
 Concen: 20.390 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

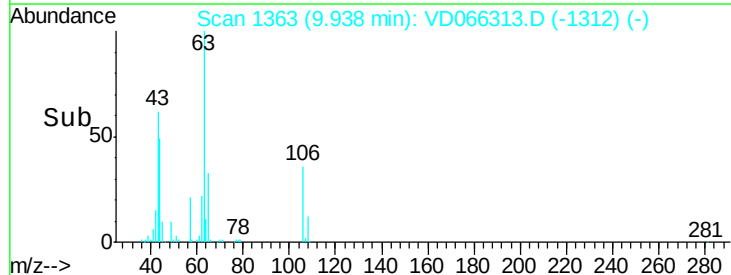
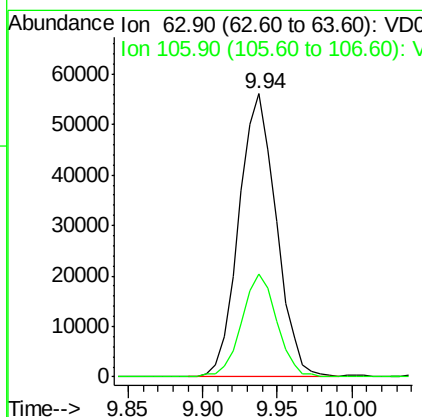
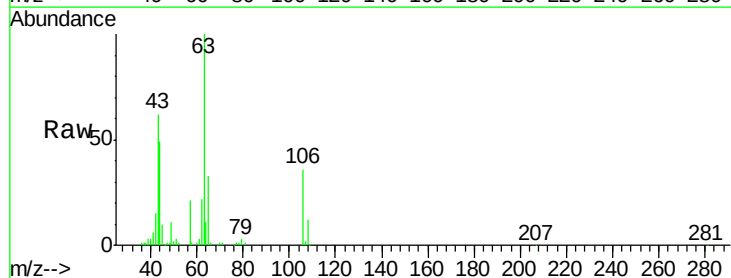
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

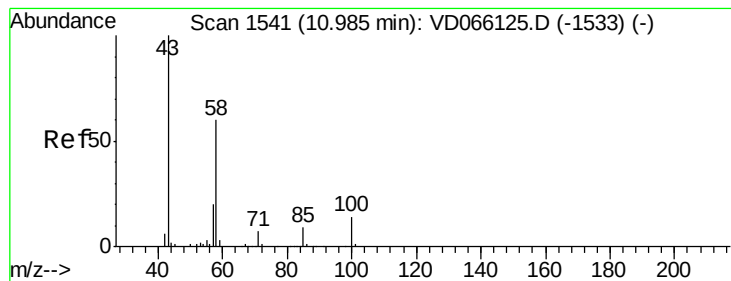
Tgt Ion: 76 Resp: 60775  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 25.5 38.3



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 100.564 ug/l  
 RT: 9.94 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 63 Resp: 97562  
 Ion Ratio Lower Upper  
 63 100  
 106 34.2 25.3 37.9





#59

2-Hexanone

Concen: 92.663 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

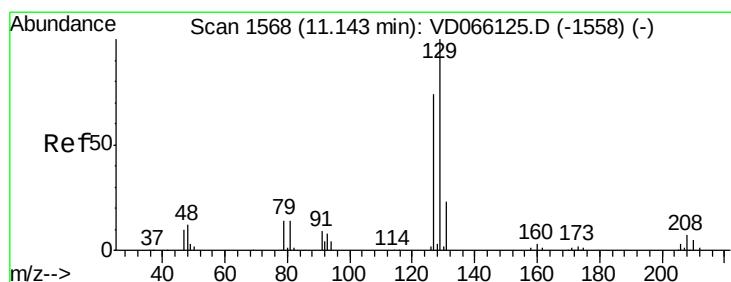
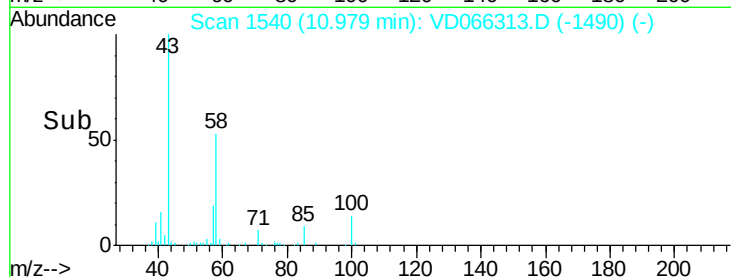
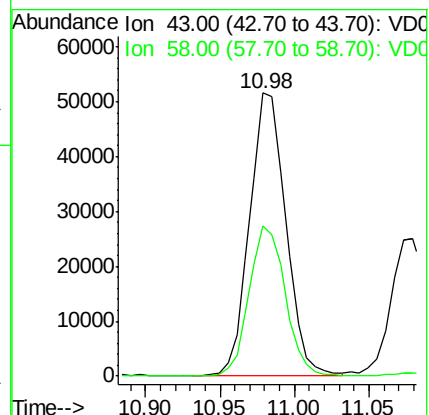
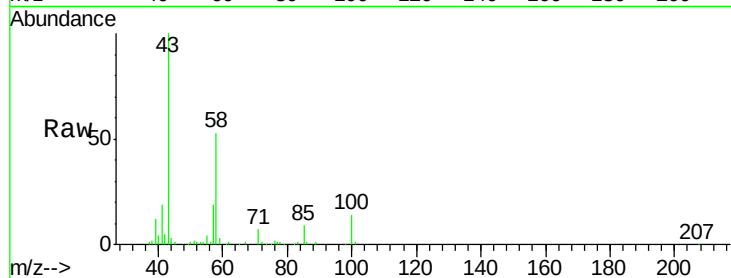
VD0819SBS01

Tgt Ion: 43 Resp: 87003

Ion Ratio Lower Upper

43 100

58 52.7 27.8 83.4



#60

Dibromochloromethane

Concen: 20.578 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VD066313.D

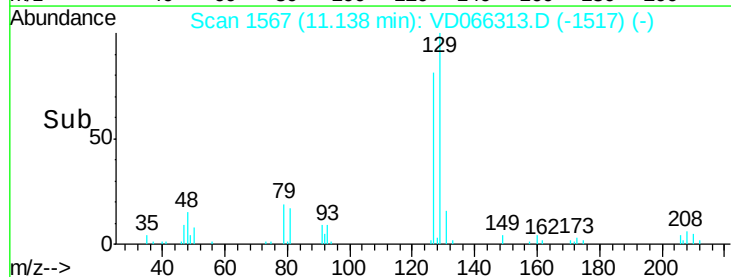
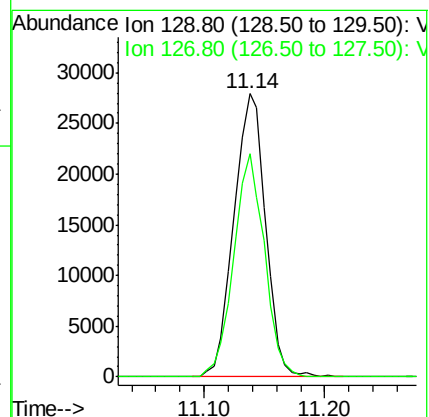
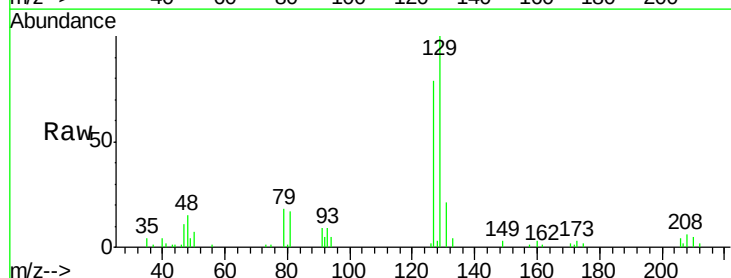
Acq: 19 Aug 2020 12:44

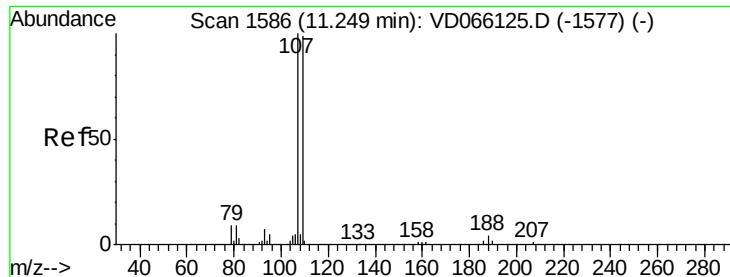
Tgt Ion: 129 Resp: 51006

Ion Ratio Lower Upper

129 100

127 76.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.491 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

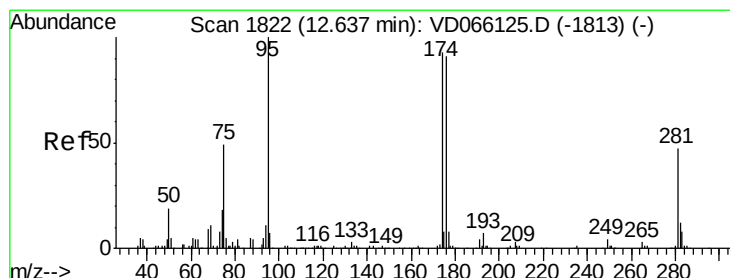
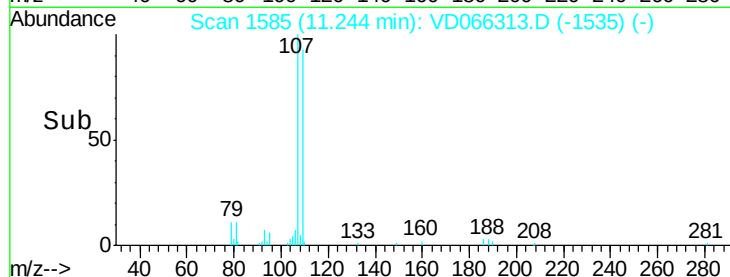
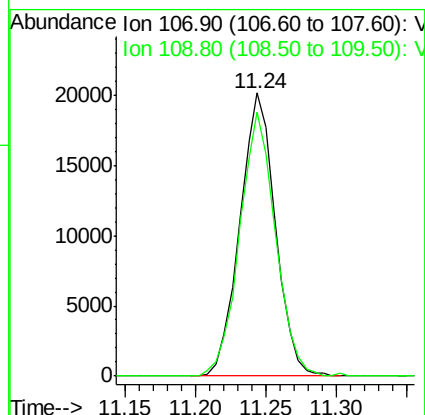
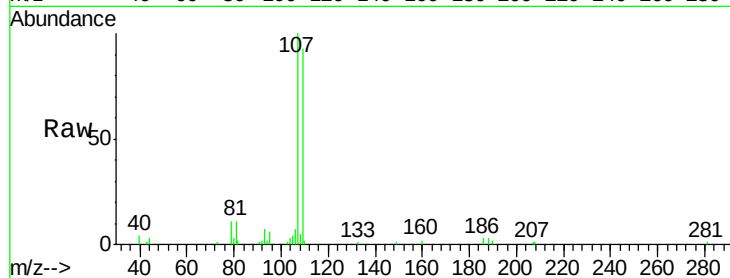
VD0819SBS01

Tgt Ion: 107 Resp: 35380

Ion Ratio Lower Upper

107 100

109 94.2 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 51.565 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

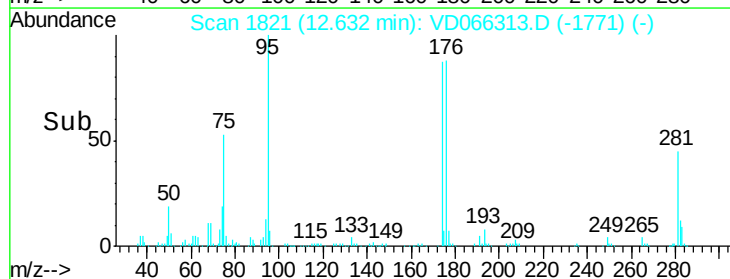
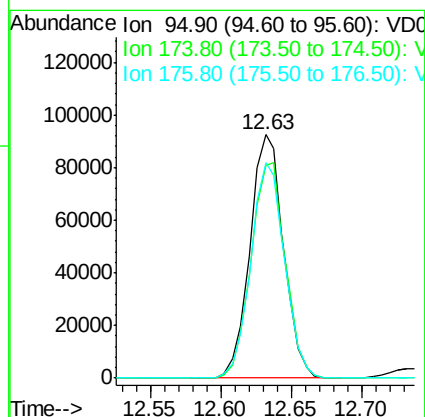
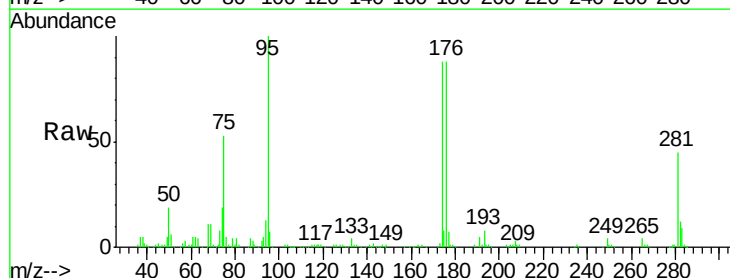
Tgt Ion: 95 Resp: 154274

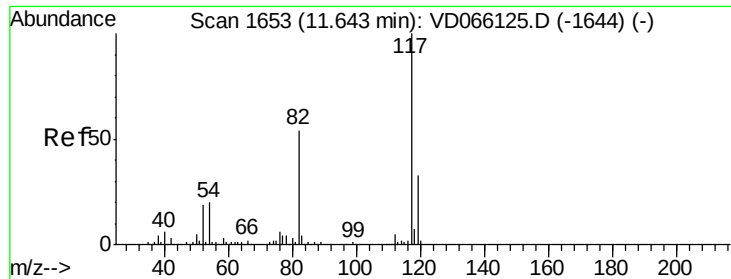
Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.8

176 89.3 0.0 181.2

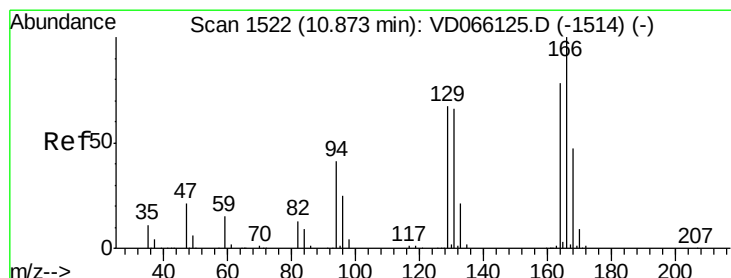
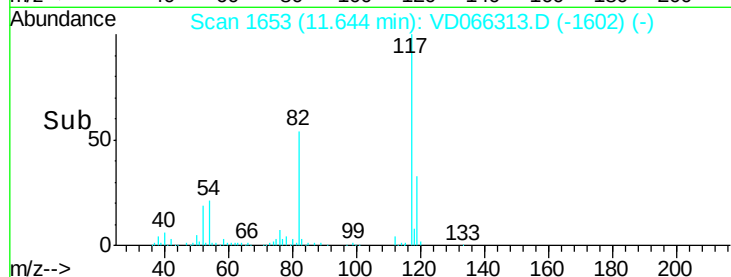
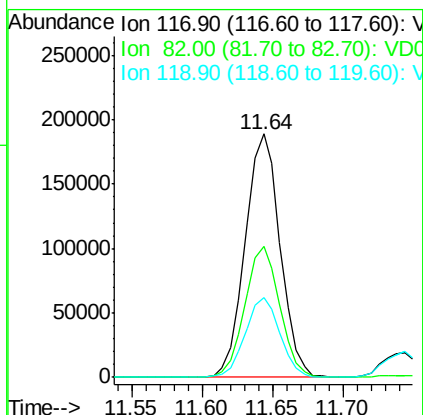
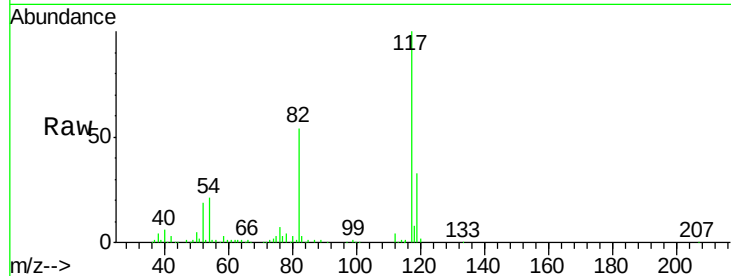




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

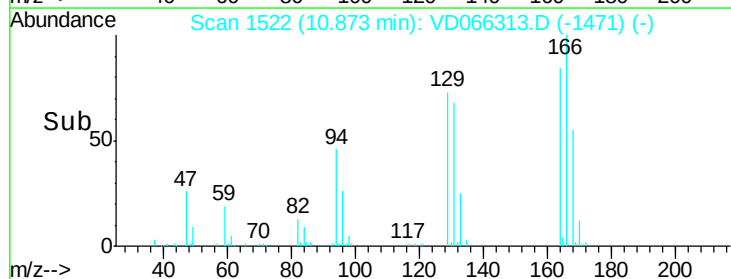
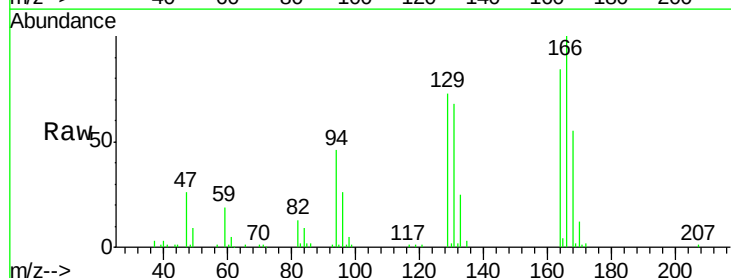
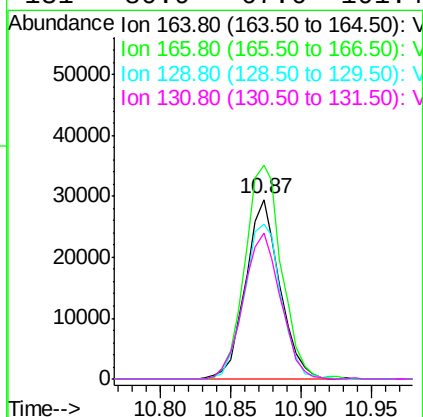
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

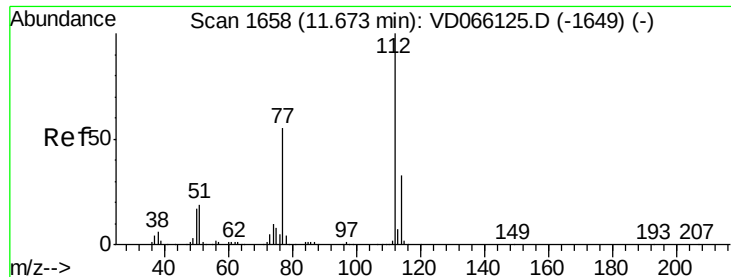
Tgt Ion:117 Resp: 328233  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.0 64.4  
119 32.7 26.1 39.1



#64  
Tetrachloroethene  
Concen: 19.921 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion:164 Resp: 50211  
Ion Ratio Lower Upper  
164 100  
166 118.8 101.9 152.9  
129 86.3 68.1 102.1  
131 80.9 67.6 101.4

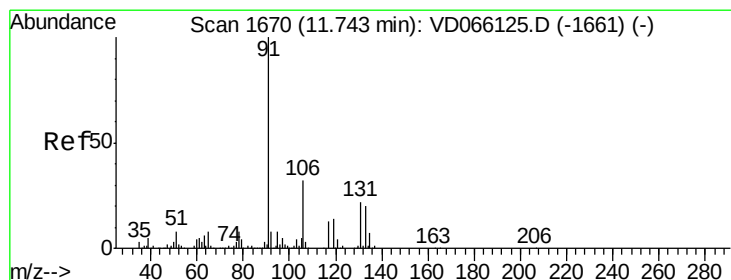
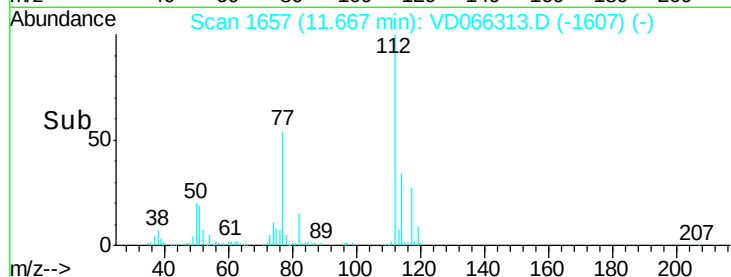
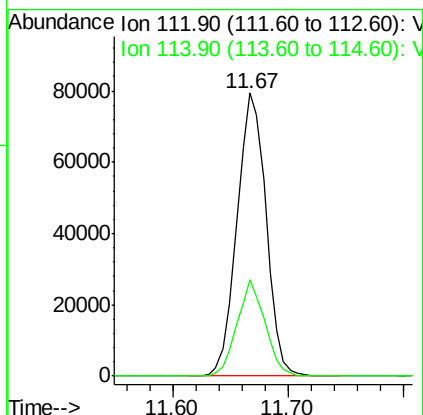
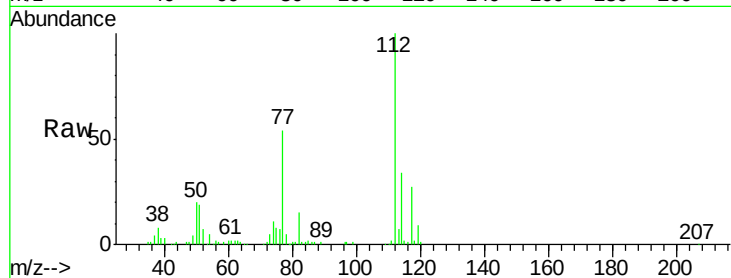




#65  
Chlorobenzene  
Concen: 20.805 ug/l  
RT: 11.67 min Scan# 1657  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

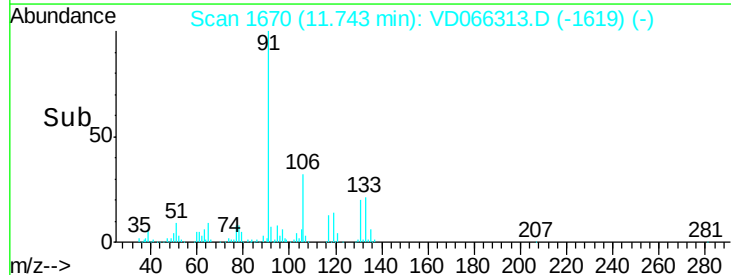
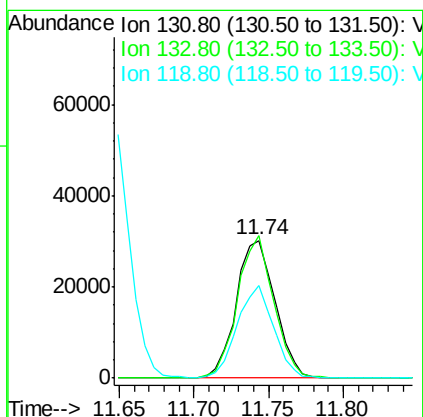
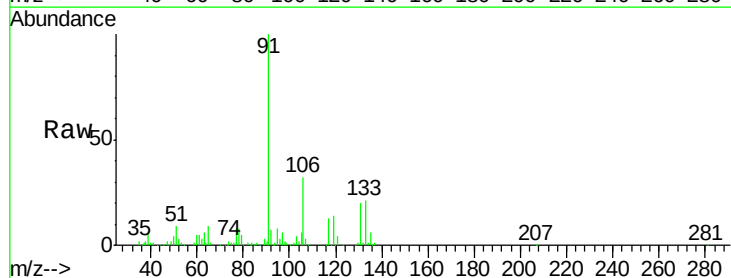
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

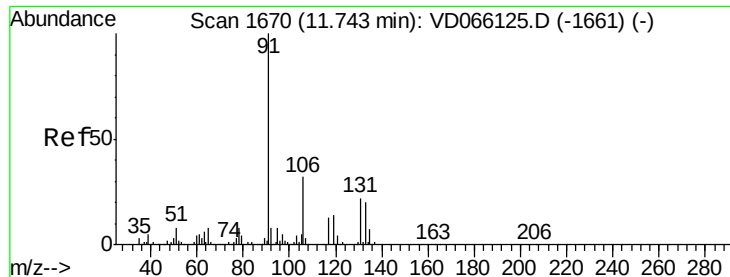
Tgt Ion:112 Resp: 138626  
Ion Ratio Lower Upper  
112 100  
114 34.1 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.968 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion:131 Resp: 54667  
Ion Ratio Lower Upper  
131 100  
133 96.6 47.1 141.4  
119 63.3 31.6 94.7





#67

Ethyl Benzene

Concen: 21.023 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

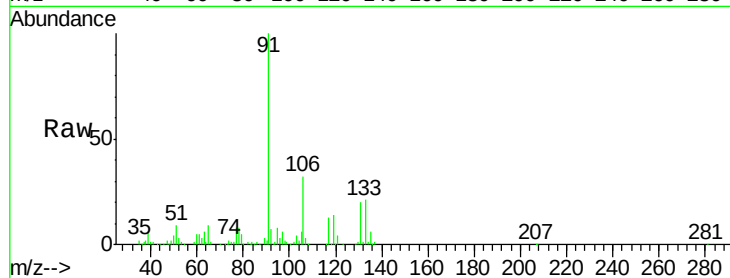
VD0819SBS01

Tgt Ion: 91 Resp: 242752

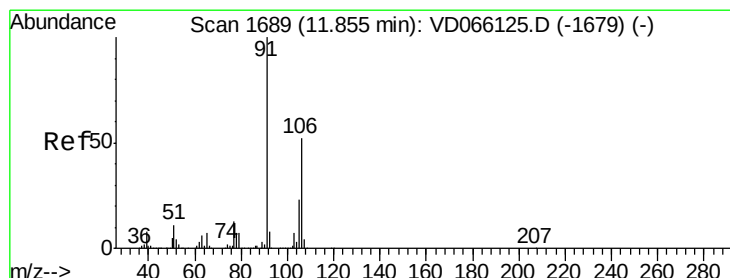
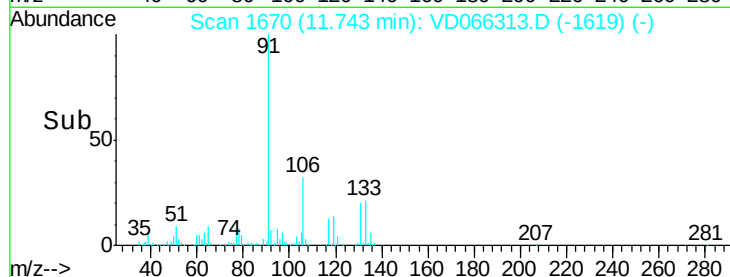
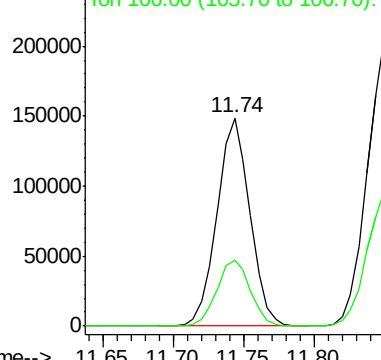
Ion Ratio Lower Upper

91 100

106 31.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.792 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066313.D

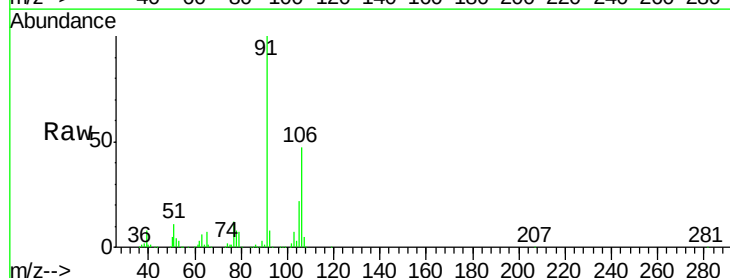
Acq: 19 Aug 2020 12:44

Tgt Ion: 106 Resp: 186963

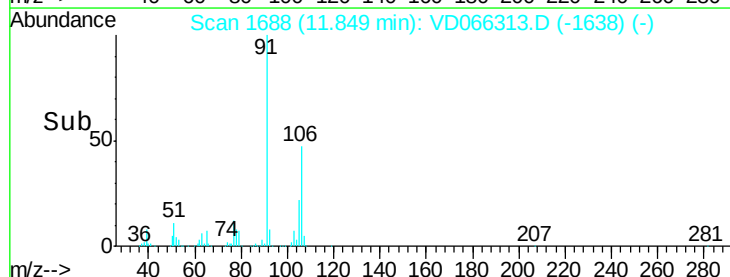
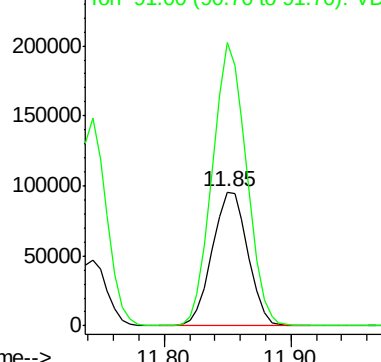
Ion Ratio Lower Upper

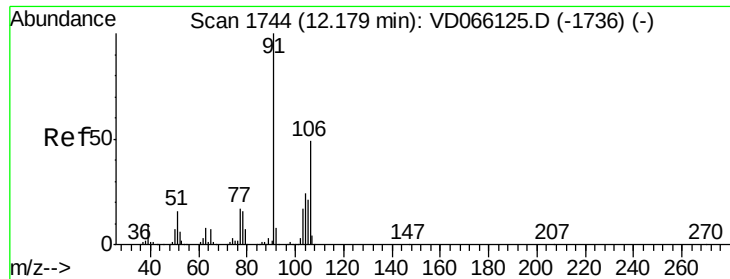
106 100

91 202.3 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

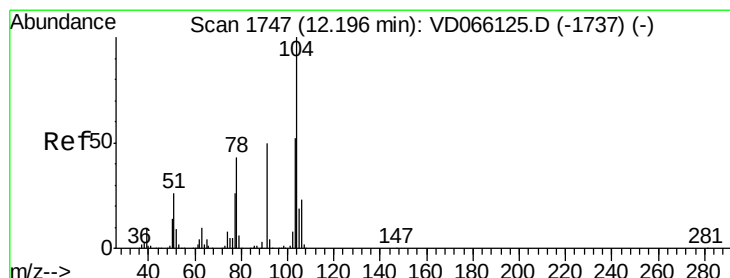
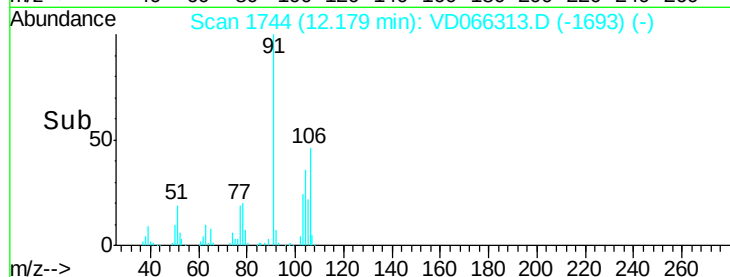
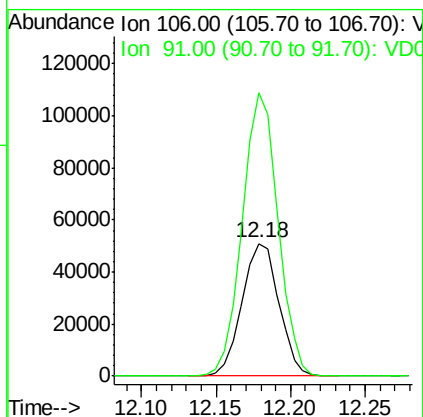
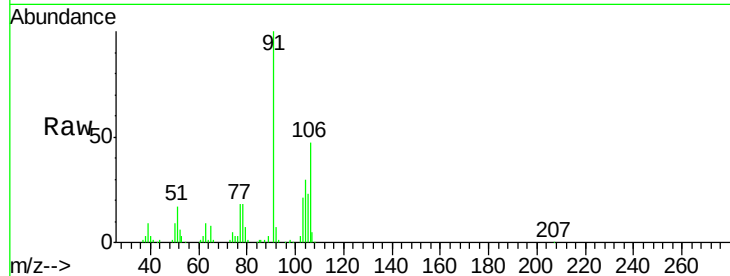




#69  
o-Xylene  
Concen: 21.408 ug/l  
RT: 12.18 min Scan# 1744  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

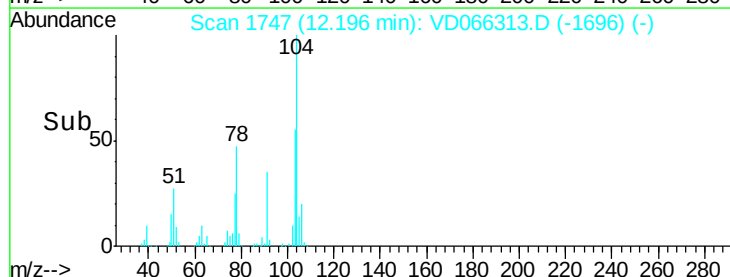
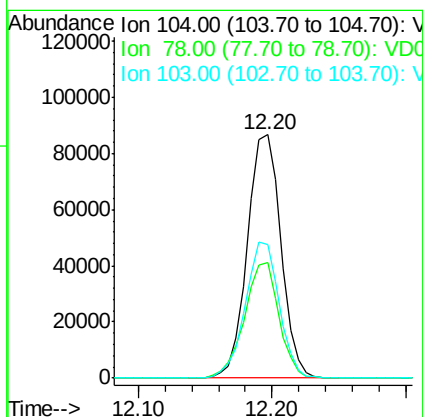
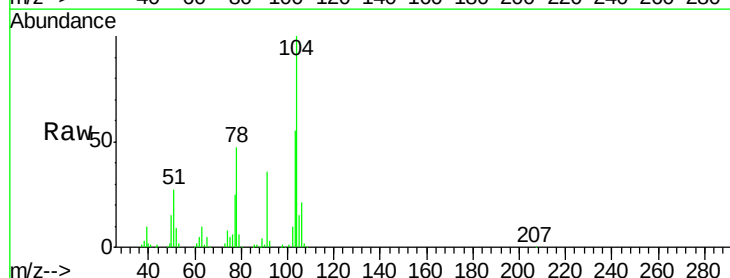
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

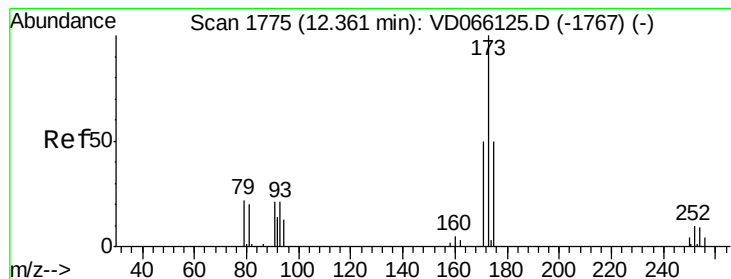
Tgt Ion:106 Resp: 87122  
Ion Ratio Lower Upper  
106 100  
91 206.6 105.7 317.1



#70  
Styrene  
Concen: 21.033 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion:104 Resp: 150010  
Ion Ratio Lower Upper  
104 100  
78 49.1 38.6 58.0  
103 56.9 44.1 66.1





#71

Bromoform

Concen: 19.774 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

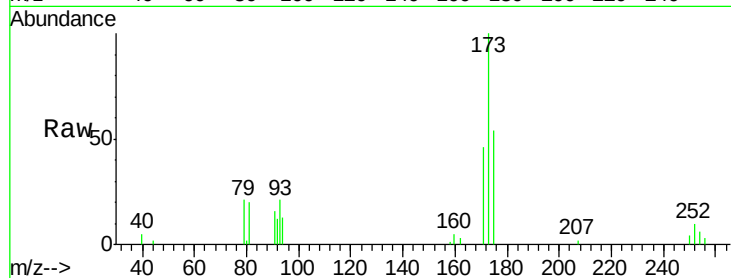
Tgt Ion:173 Resp: 30545

Ion Ratio Lower Upper

173 100

175 52.8 24.6 73.6

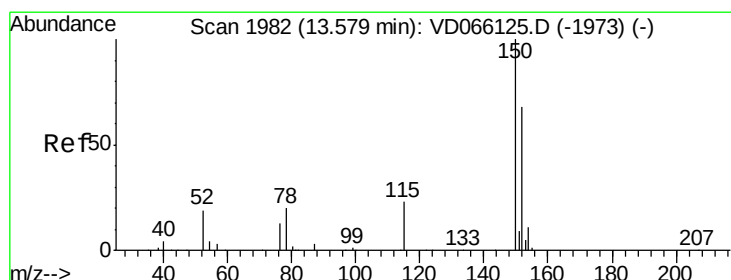
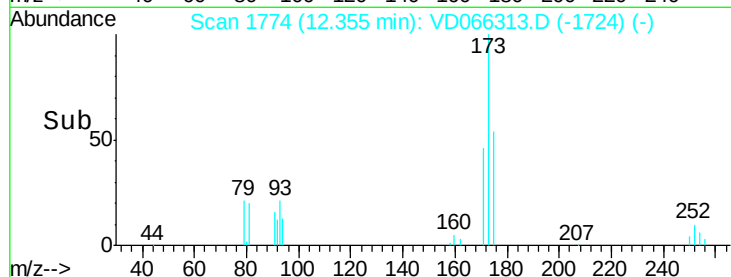
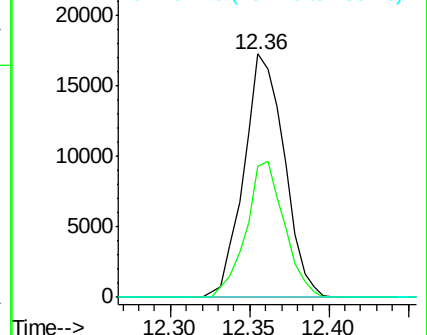
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

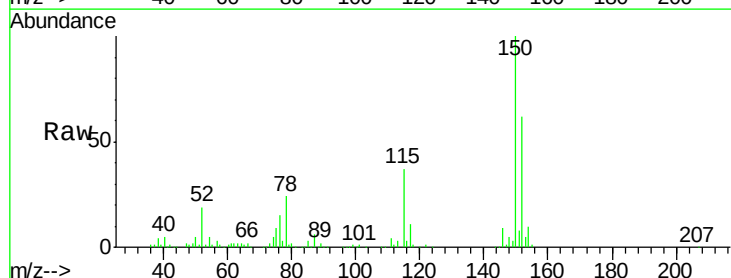
Tgt Ion:152 Resp: 170692

Ion Ratio Lower Upper

152 100

115 57.4 28.0 83.9

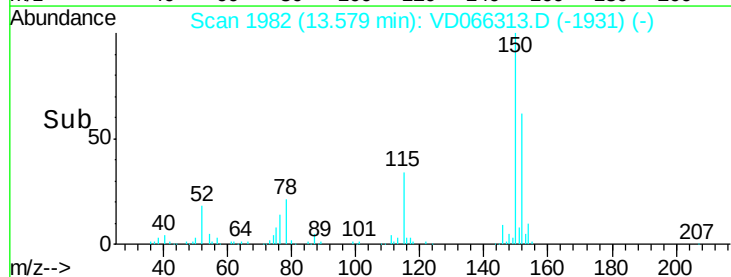
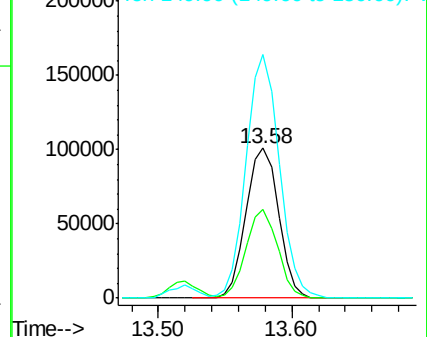
150 165.4 0.0 346.4



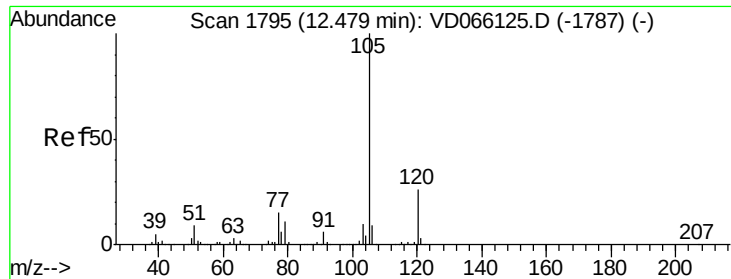
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 21.438 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

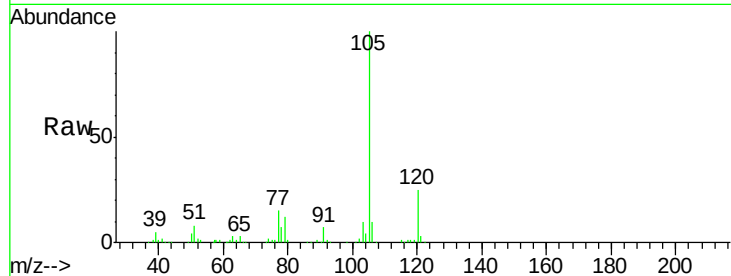
VD0819SBS01

Tgt Ion: 105 Resp: 244265

Ion Ratio Lower Upper

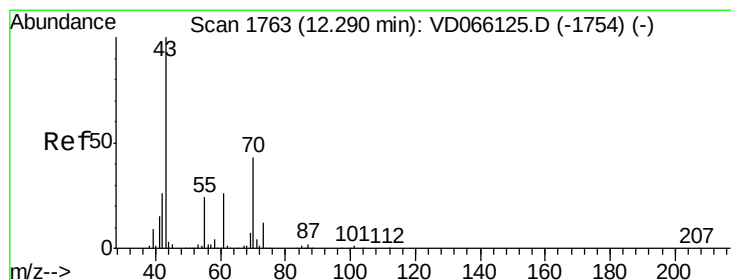
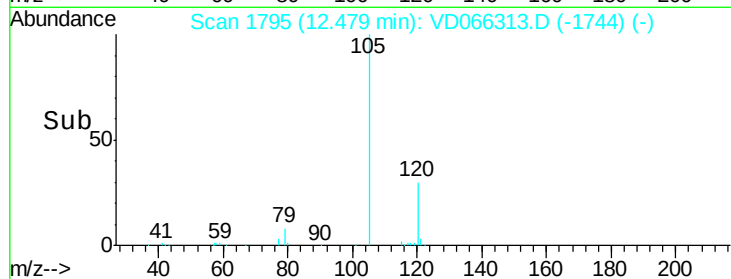
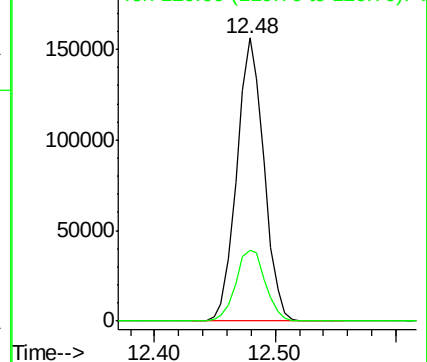
105 100

120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 18.244 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion: 43 Resp: 45775

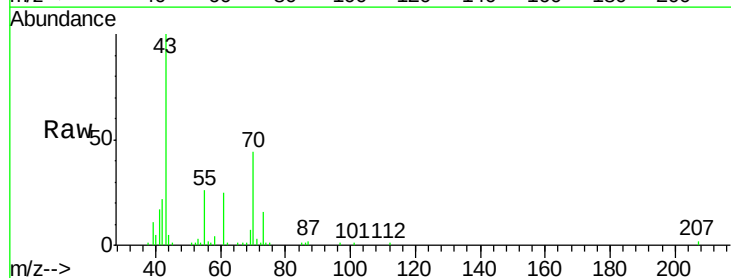
Ion Ratio Lower Upper

43 100

70 45.1 34.9 52.3

55 26.1 19.2 28.8

61 24.6 19.7 29.5

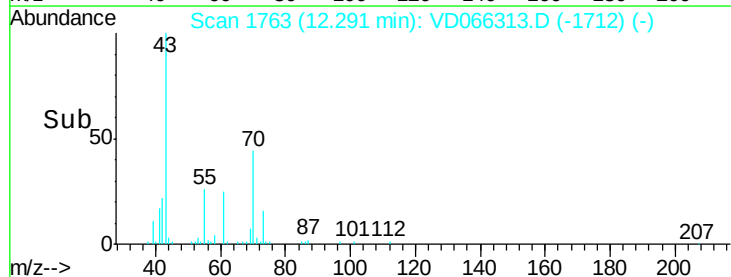
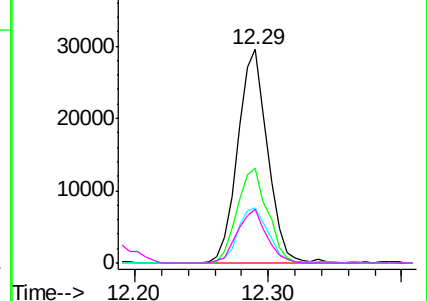


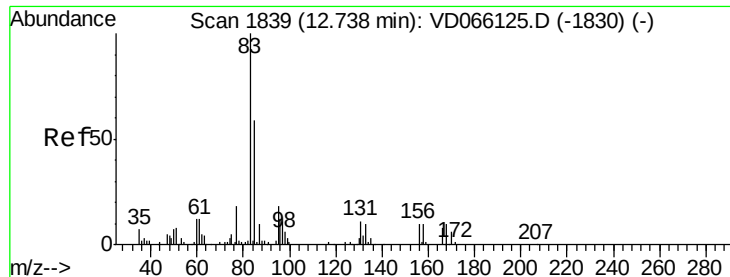
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.007 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

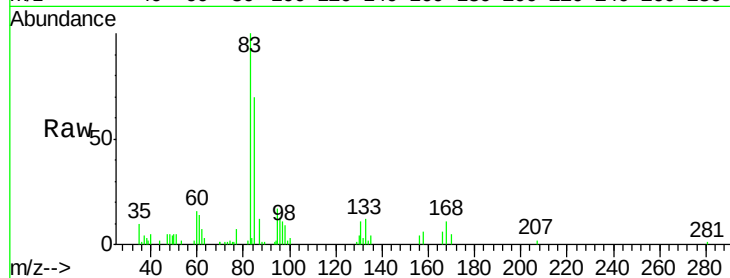
Tgt Ion: 83 Resp: 36928

Ion Ratio Lower Upper

83 100

131 12.6 6.2 18.6

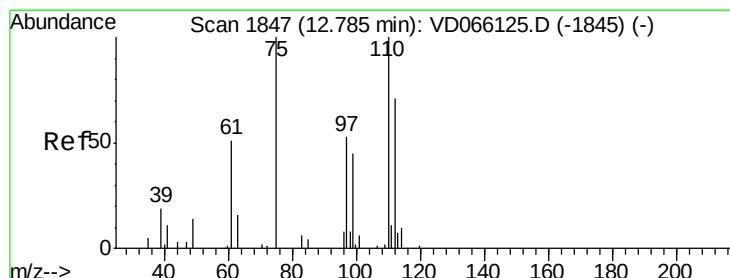
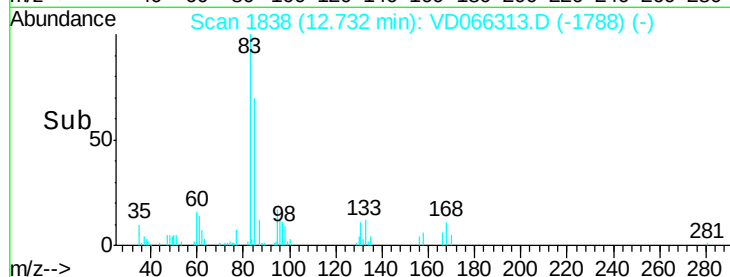
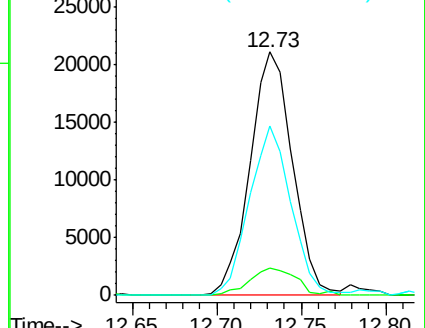
85 68.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 35.034 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066313.D

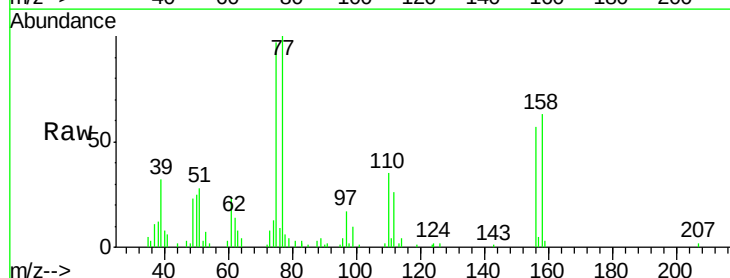
Acq: 19 Aug 2020 12:44

Tgt Ion: 75 Resp: 49869

Ion Ratio Lower Upper

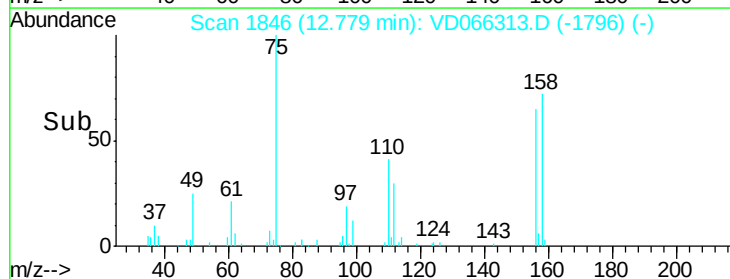
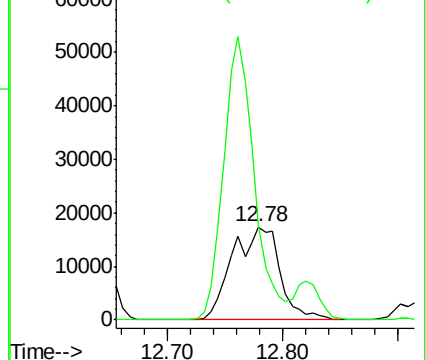
75 100

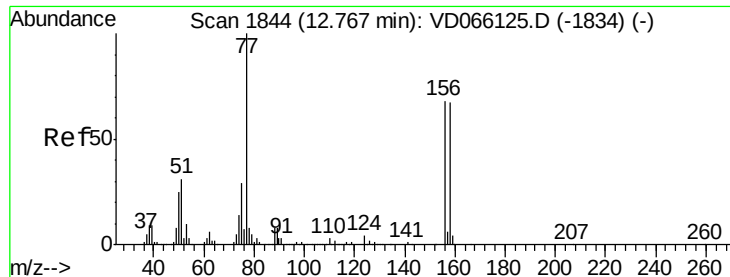
77 194.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.062 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

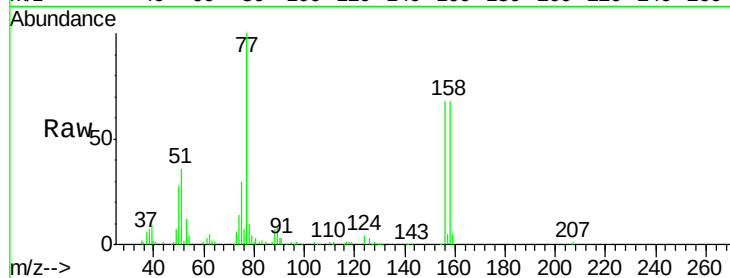
Tgt Ion:156 Resp: 61775

Ion Ratio Lower Upper

156 100

77 157.0 81.0 243.1

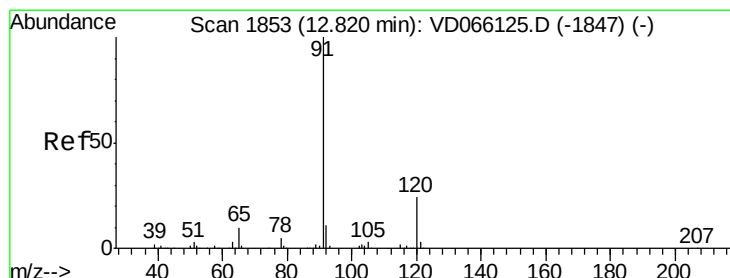
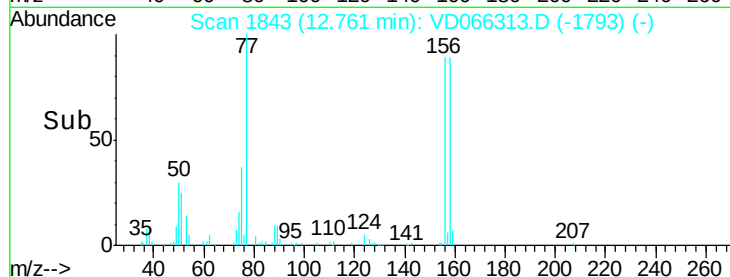
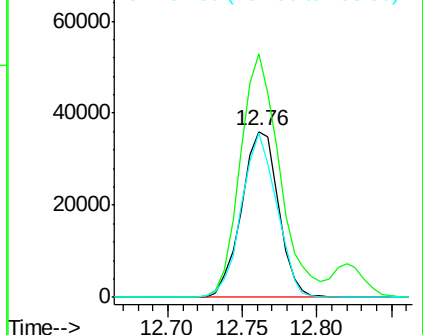
158 94.0 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.088 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066313.D

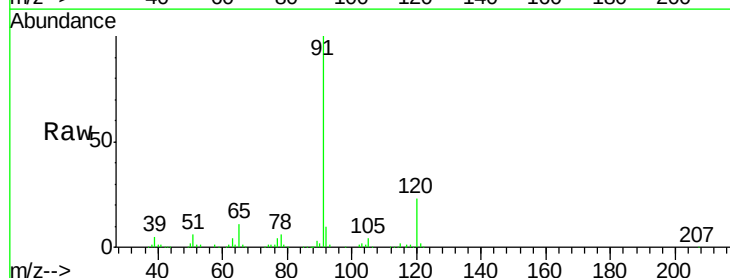
Acq: 19 Aug 2020 12:44

Tgt Ion: 91 Resp: 279313

Ion Ratio Lower Upper

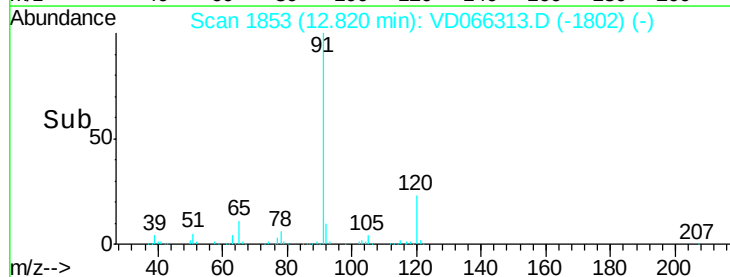
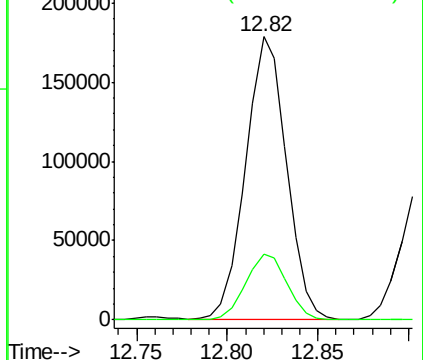
91 100

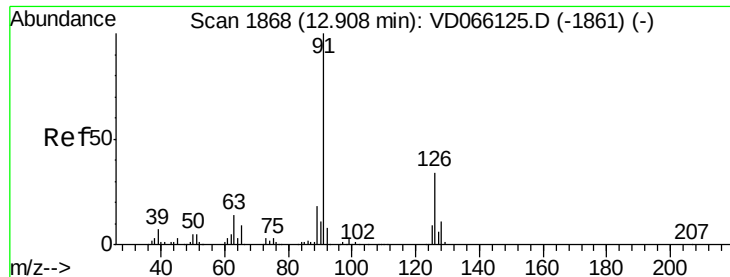
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.594 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

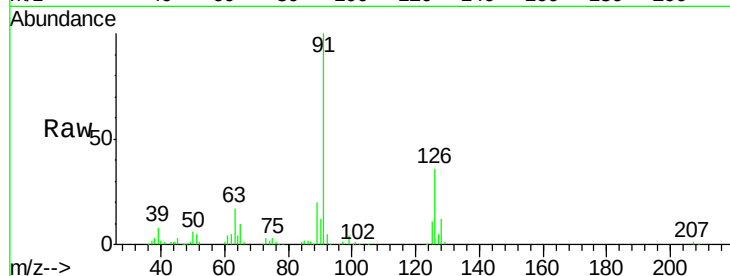
VD0819SBS01

Tgt Ion: 91 Resp: 156002

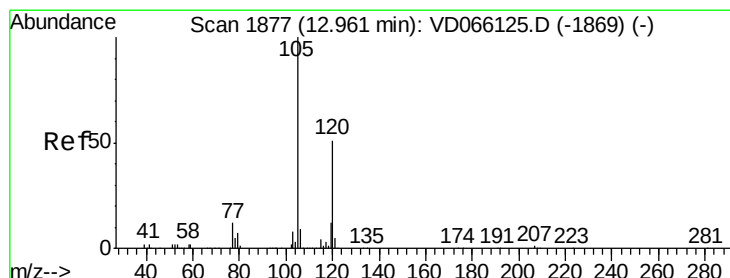
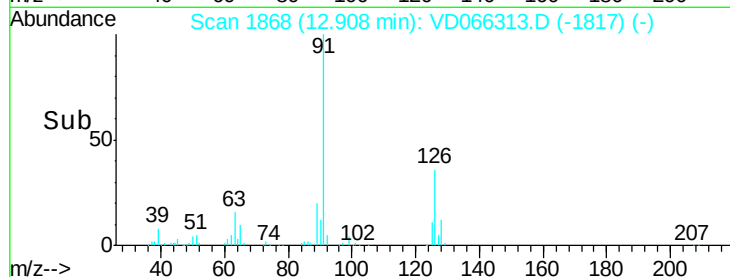
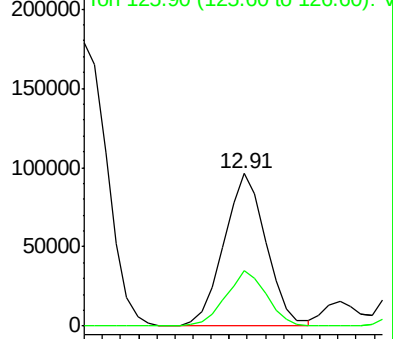
Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066313.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.325 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066313.D

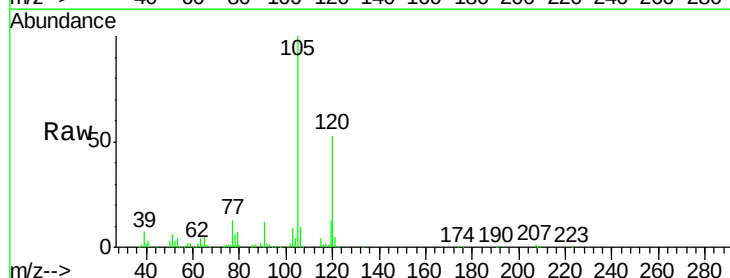
Acq: 19 Aug 2020 12:44

Tgt Ion: 105 Resp: 203209

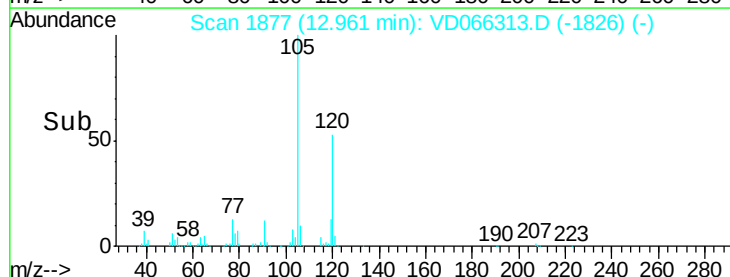
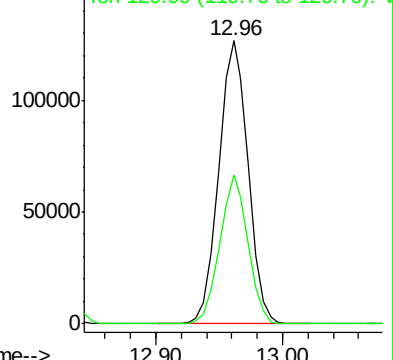
Ion Ratio Lower Upper

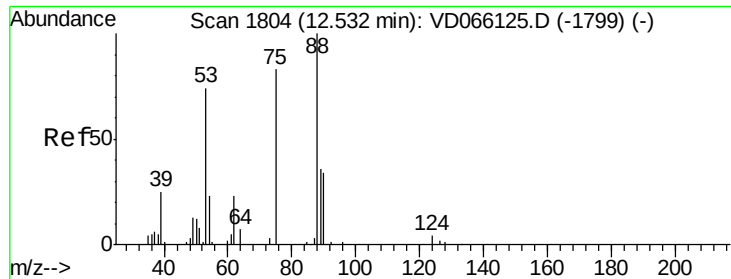
105 100

120 50.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066313.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.331 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD0819SBS01

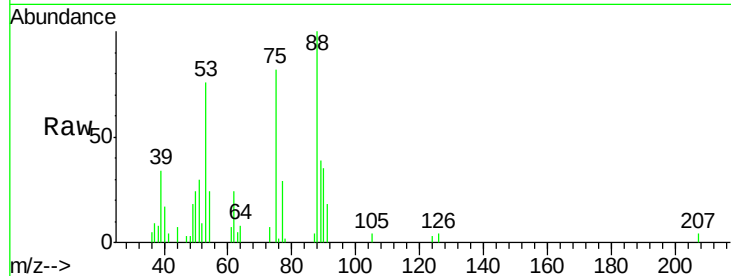
Tgt Ion: 75 Resp: 12448

Ion Ratio Lower Upper

75 100

53 106.0 73.4 110.2

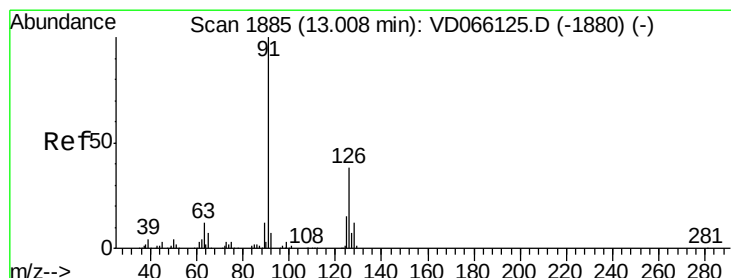
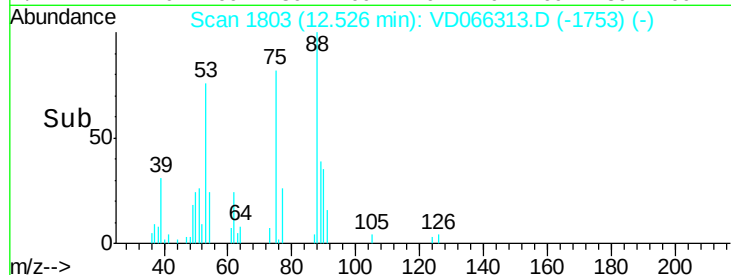
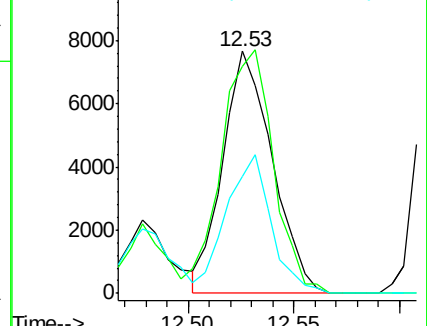
89 52.0 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.807 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066313.D

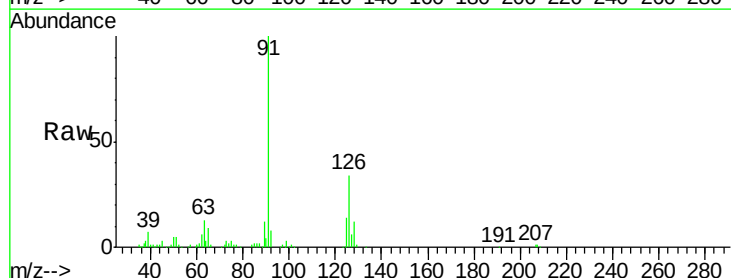
Acq: 19 Aug 2020 12:44

Tgt Ion: 91 Resp: 166385

Ion Ratio Lower Upper

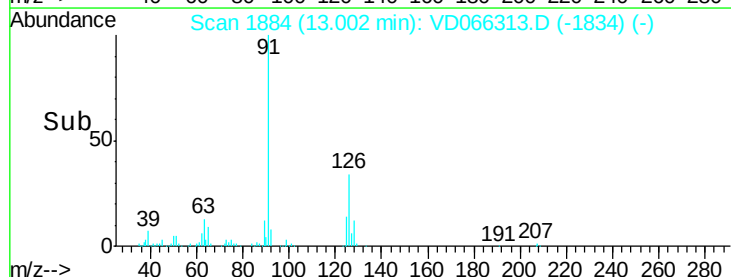
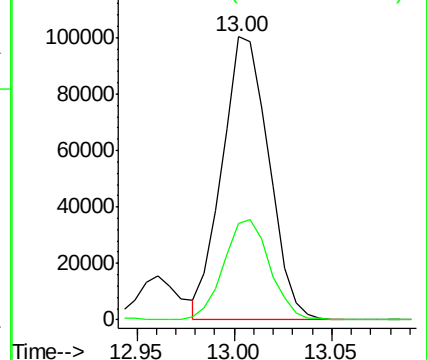
91 100

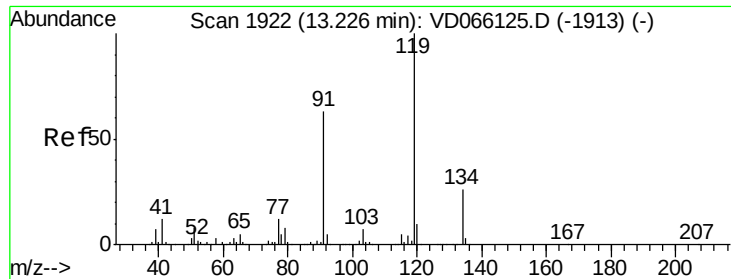
126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

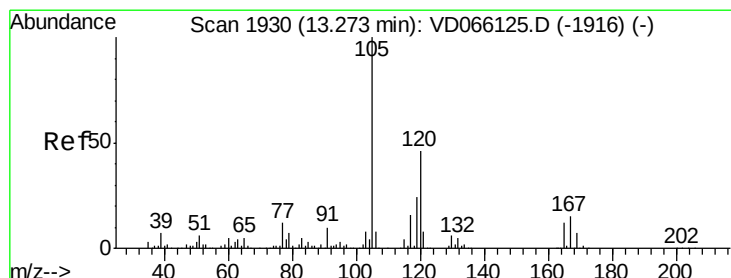
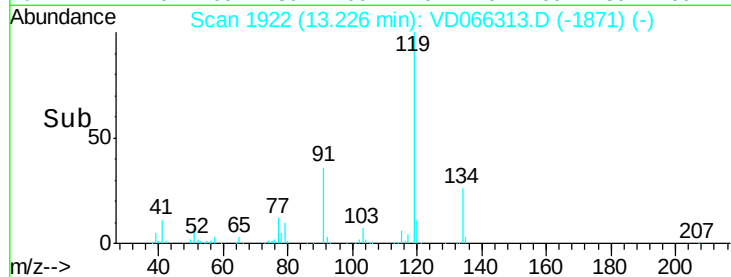
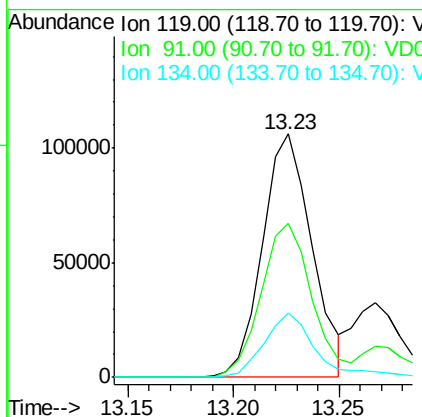
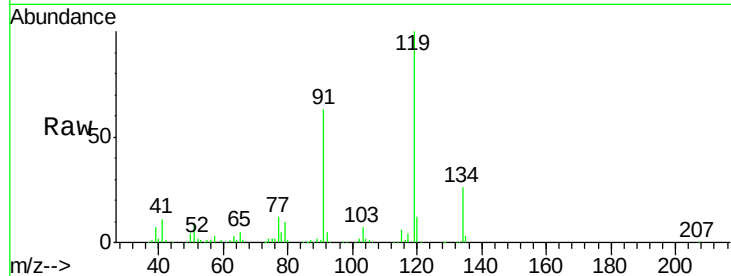




#83  
 tert-Butylbenzene  
 Concen: 20.678 ug/l  
 RT: 13.23 min Scan# 1922  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

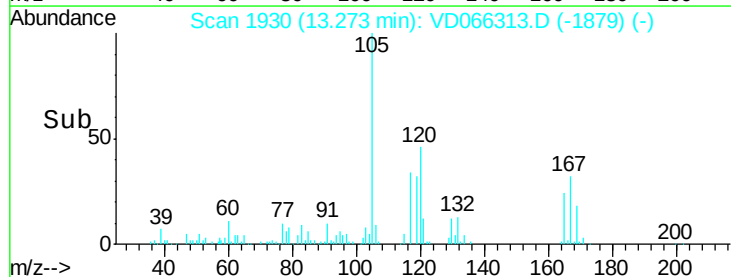
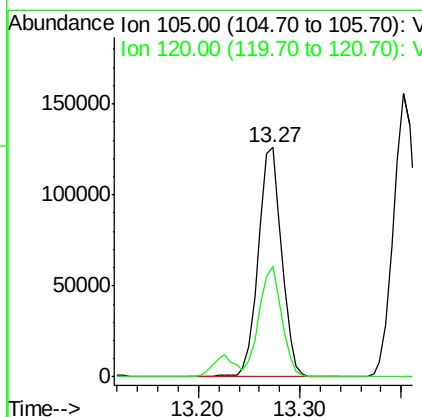
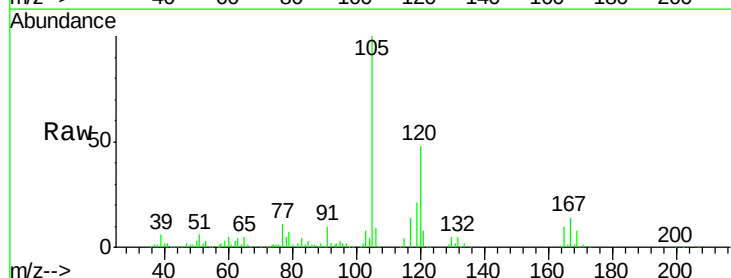
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

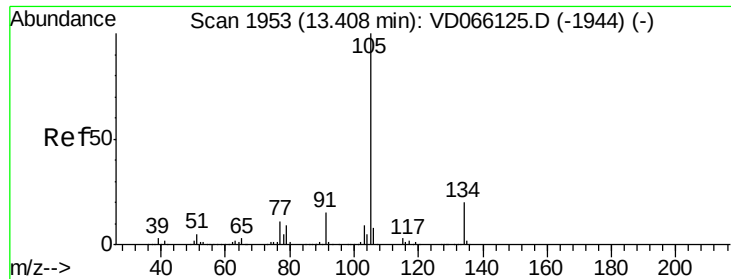
Tgt Ion:119 Resp: 173285  
 Ion Ratio Lower Upper  
 119 100  
 91 65.1 30.8 92.4  
 134 27.9 13.6 40.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.205 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion:105 Resp: 202215  
 Ion Ratio Lower Upper  
 105 100  
 120 46.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.274 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA\_D

ClientSampleId :

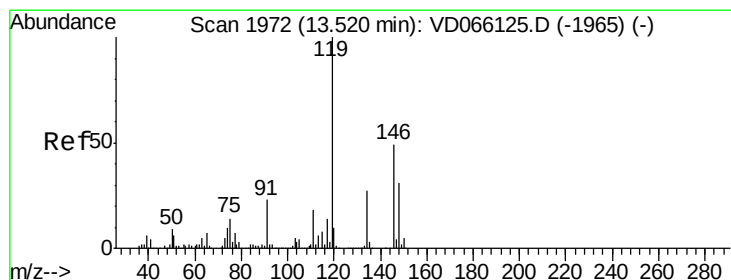
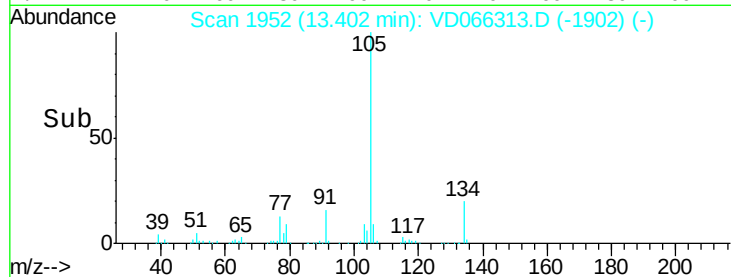
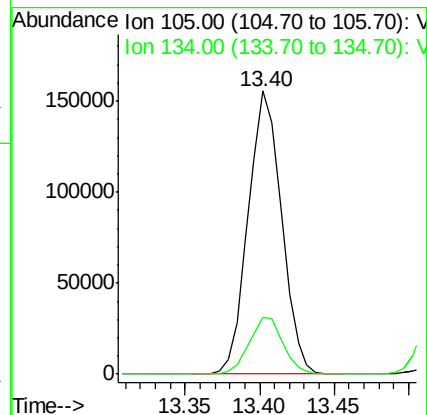
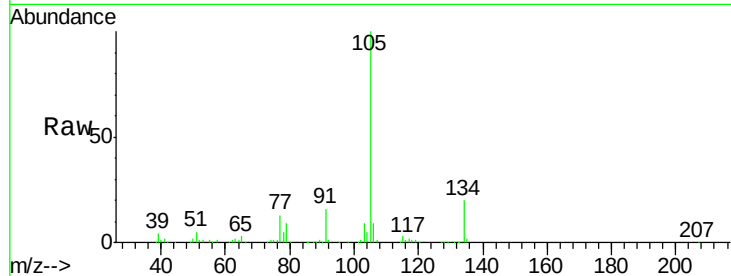
VD0819SBS01

Tgt Ion:105 Resp: 240696

Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.4



#86

p-Isopropyltoluene

Concen: 21.827 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

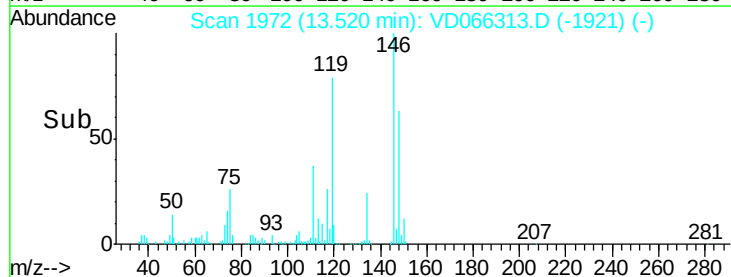
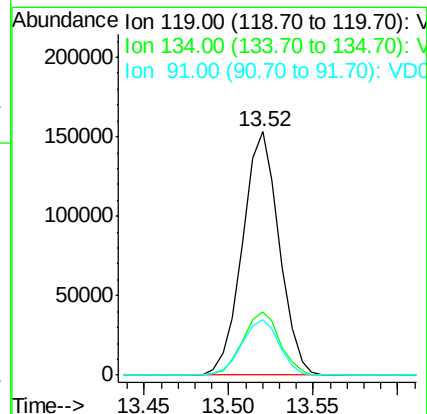
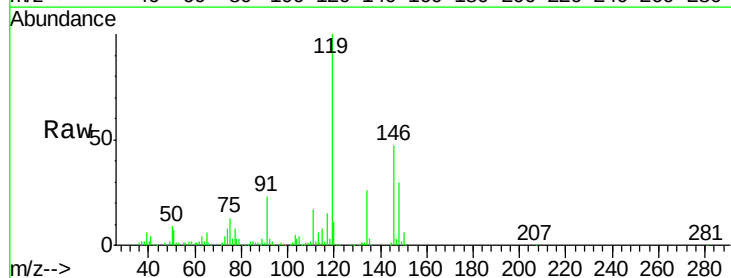
Tgt Ion:119 Resp: 231628

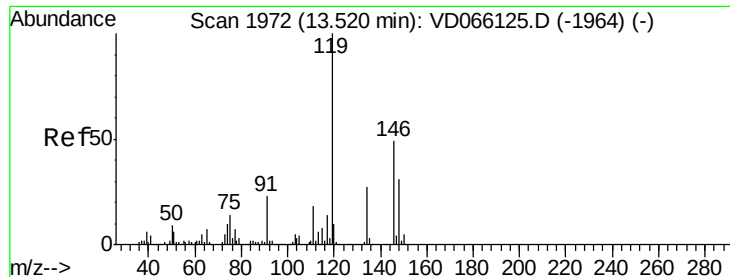
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 23.5 11.2 33.5

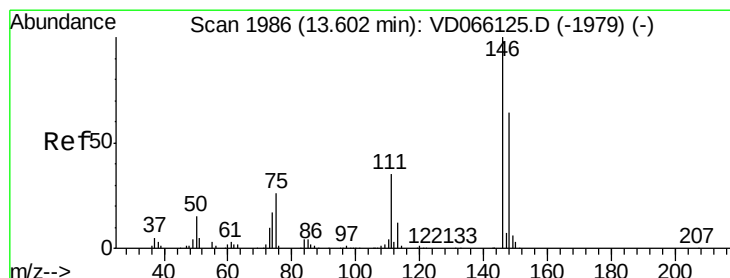
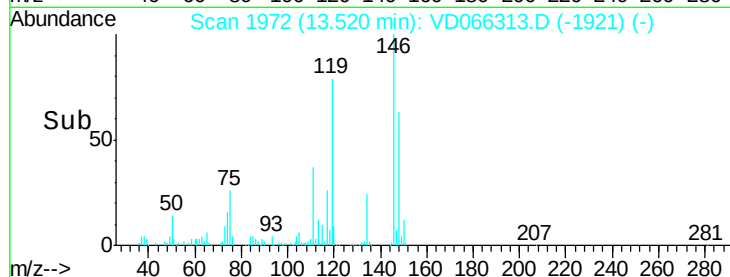
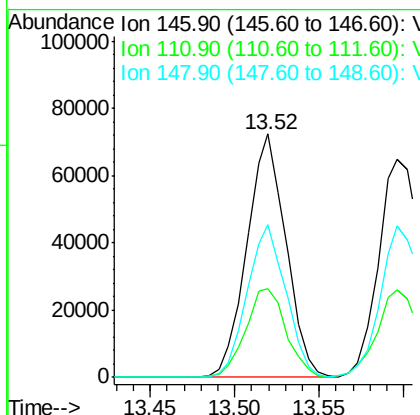
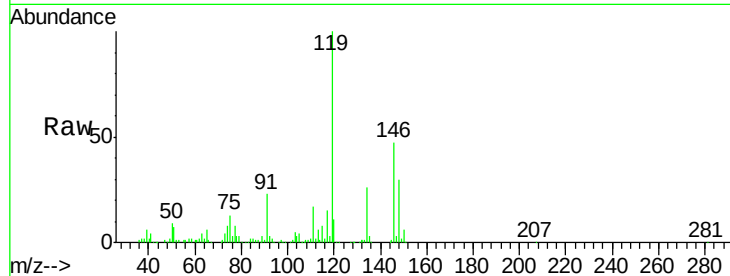




#87  
 1,3-Dichlorobenzene  
 Concen: 21.031 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

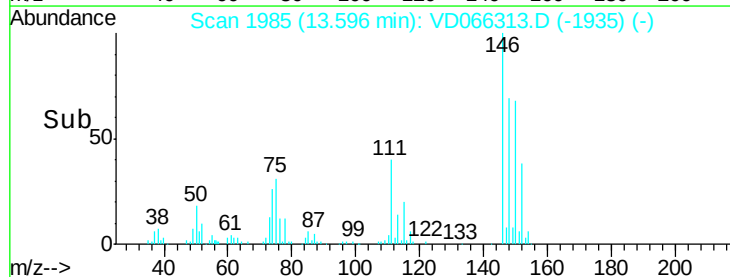
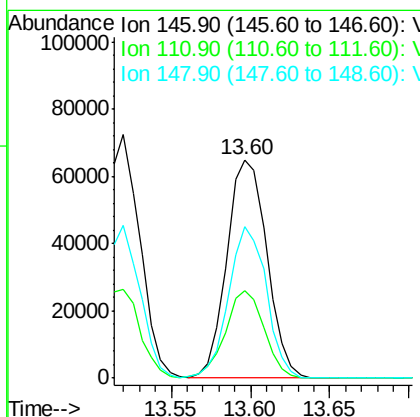
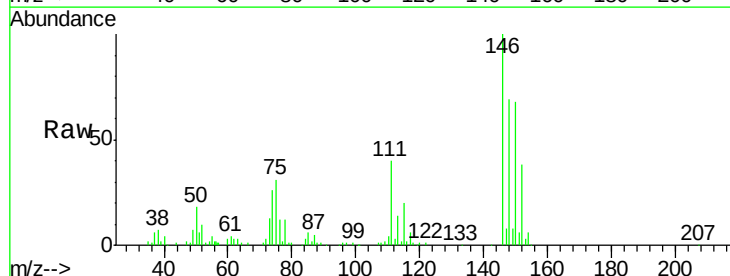
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

Tgt Ion:146 Resp: 115934  
 Ion Ratio Lower Upper  
 146 100  
 111 38.1 18.9 56.9  
 148 62.4 31.8 95.3

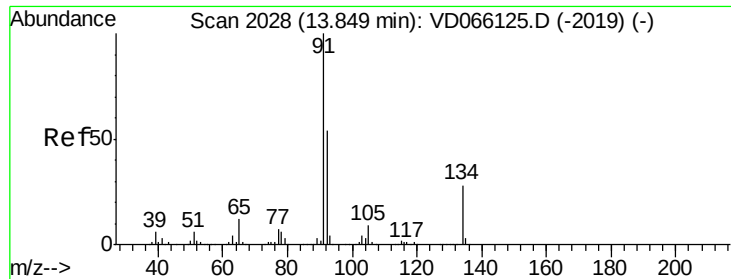


#88  
 1,4-Dichlorobenzene  
 Concen: 20.652 ug/l  
 RT: 13.60 min Scan# 1985  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion:146 Resp: 113537  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 18.6 55.8  
 148 65.5 32.4 97.0



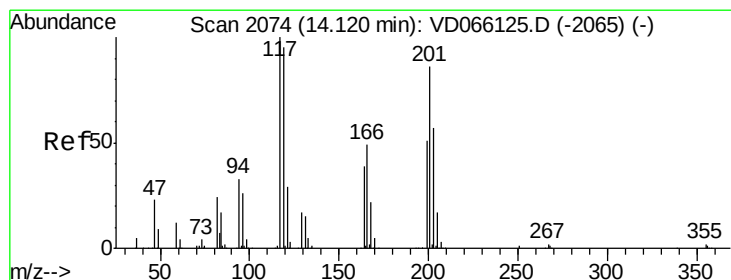
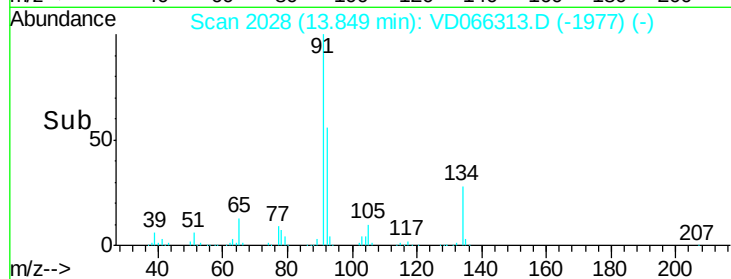
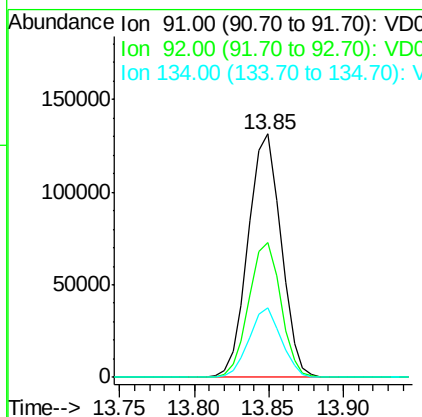
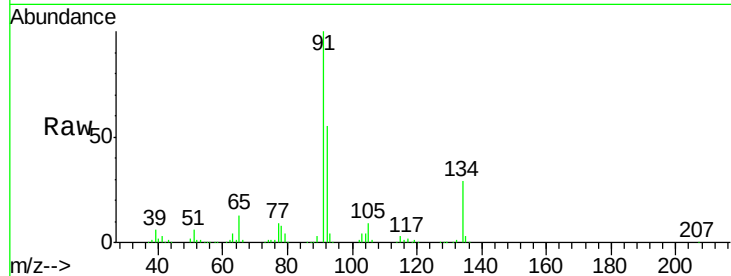




#89  
n-Butylbenzene  
Concen: 21.098 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

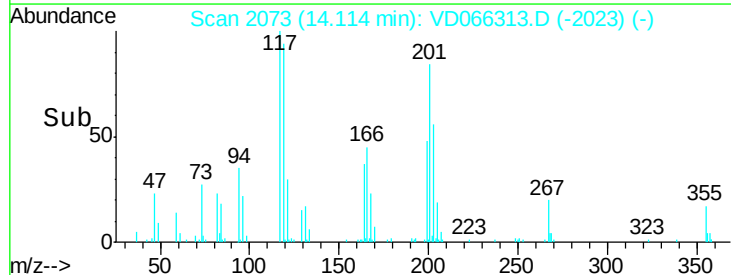
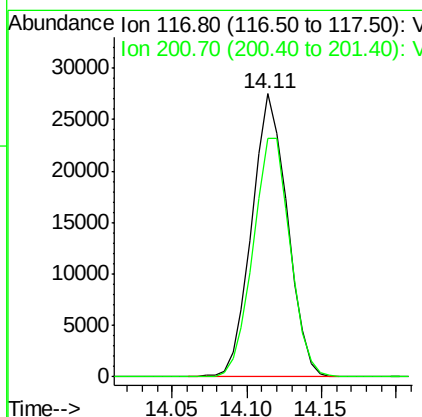
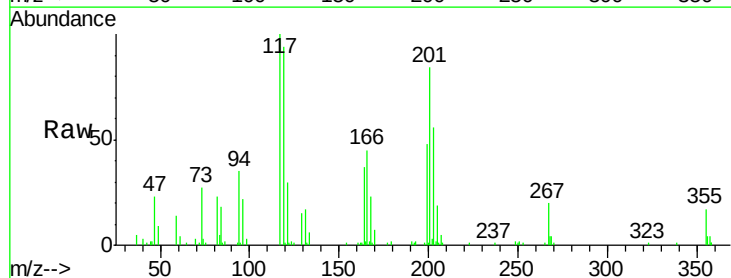
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

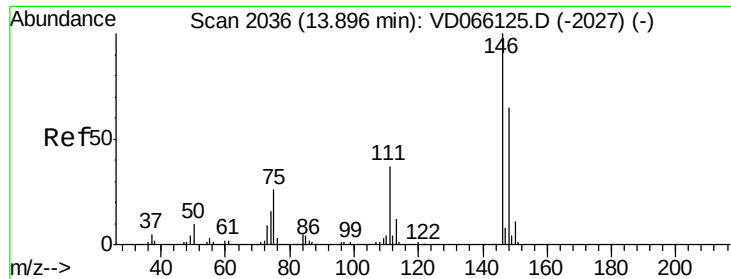
Tgt Ion: 91 Resp: 200597  
Ion Ratio Lower Upper  
91 100  
92 53.9 26.8 80.3  
134 27.8 14.0 41.9



#90  
Hexachloroethane  
Concen: 21.412 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. -0.01 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion: 117 Resp: 45317  
Ion Ratio Lower Upper  
117 100  
201 87.9 42.7 128.1

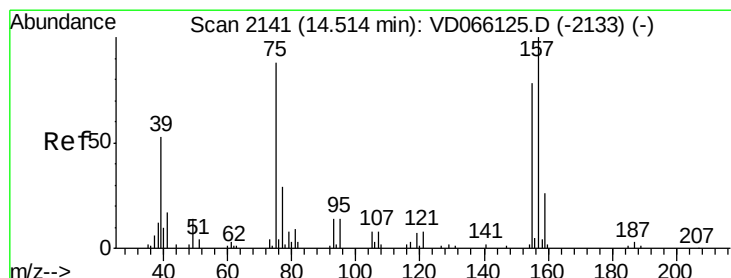
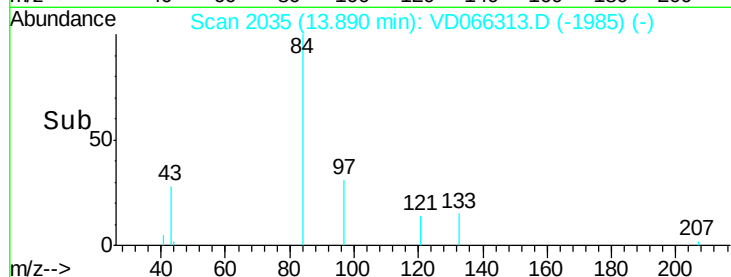
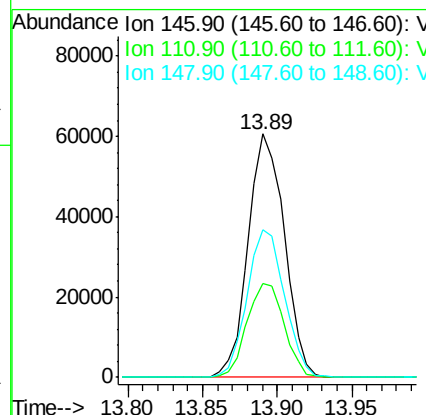
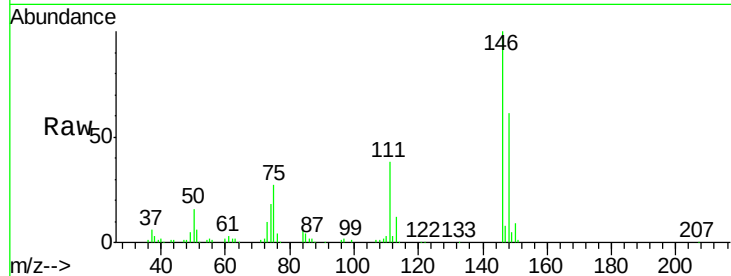




#91  
 1,2-Dichlorobenzene  
 Concen: 20.876 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

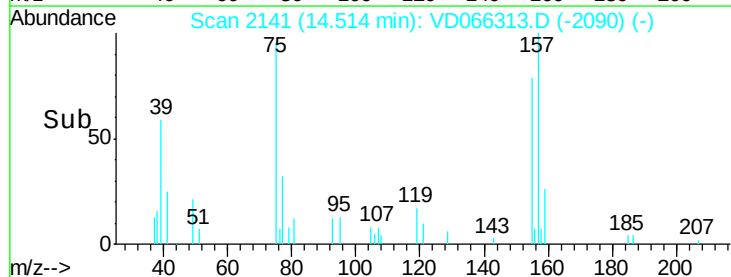
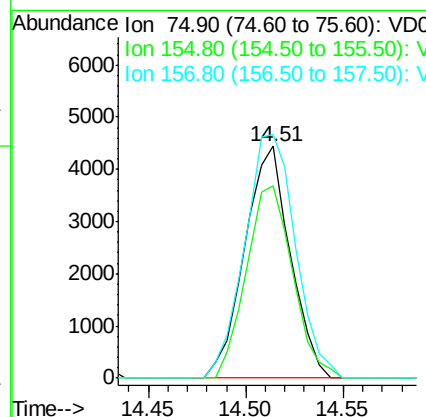
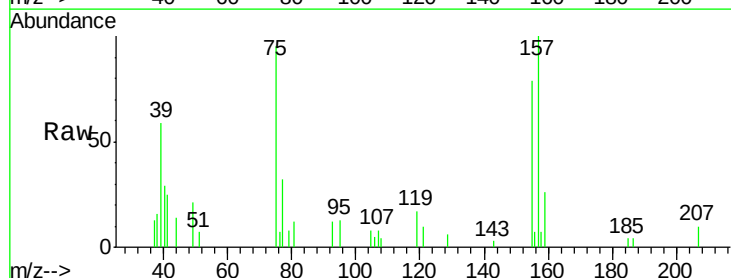
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

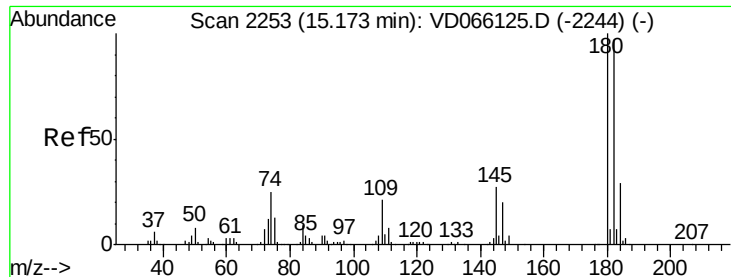
Tgt Ion:146 Resp: 101773  
 Ion Ratio Lower Upper  
 146 100  
 111 39.6 18.8 56.3  
 148 62.7 31.9 95.5



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.544 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. 0.00 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion: 75 Resp: 7194  
 Ion Ratio Lower Upper  
 75 100  
 155 84.5 47.7 143.1  
 157 117.0 62.1 186.2

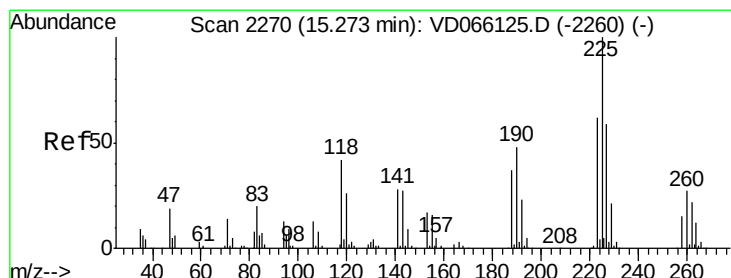
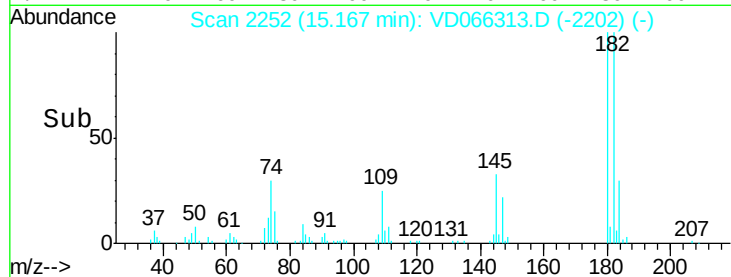
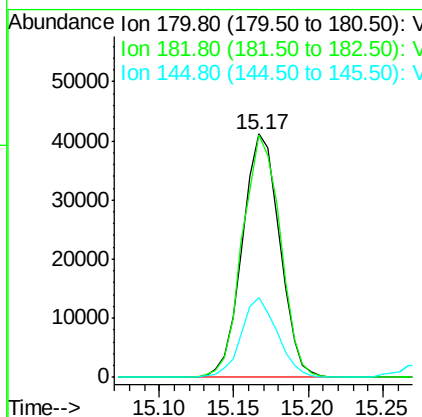
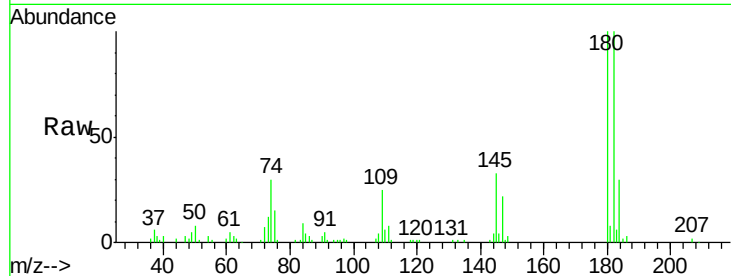




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.813 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. -0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

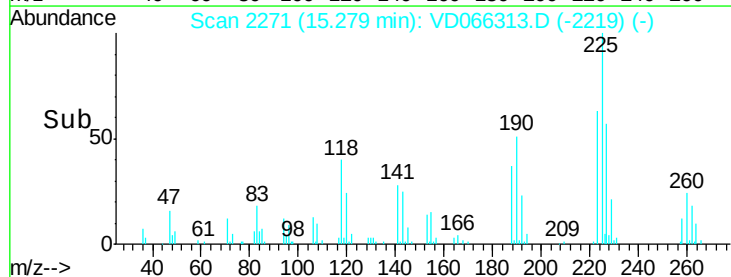
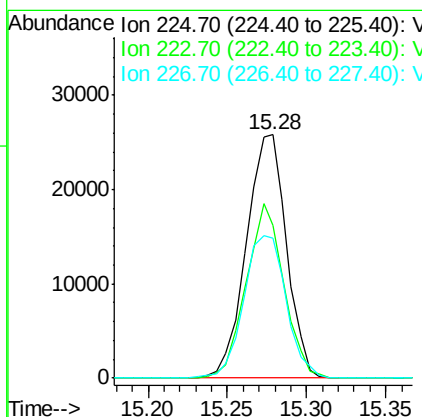
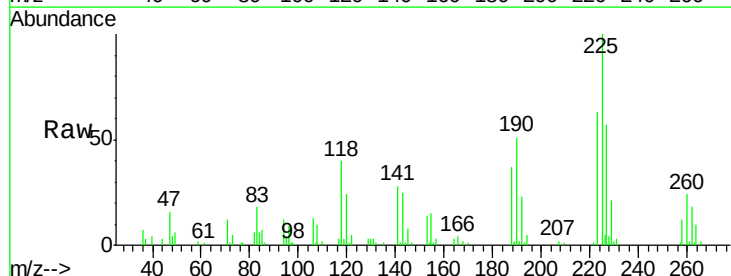
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS01

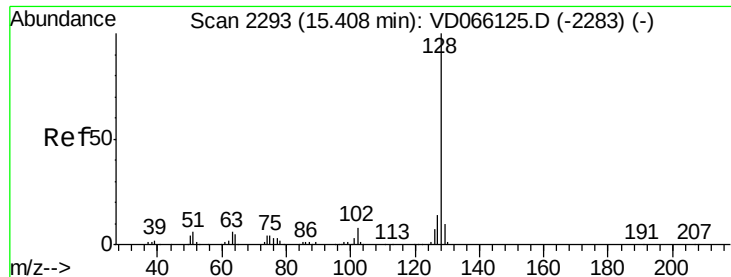
Tgt Ion:180 Resp: 71184  
 Ion Ratio Lower Upper  
 180 100  
 182 100.6 47.4 142.2  
 145 31.7 14.5 43.6



#94  
 Hexachlorobutadiene  
 Concen: 21.476 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD066313.D  
 Acq: 19 Aug 2020 12:44

Tgt Ion:225 Resp: 45435  
 Ion Ratio Lower Upper  
 225 100  
 223 67.2 32.3 96.9  
 227 61.8 32.1 96.5

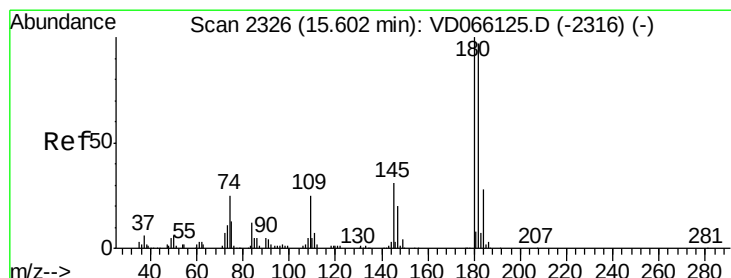
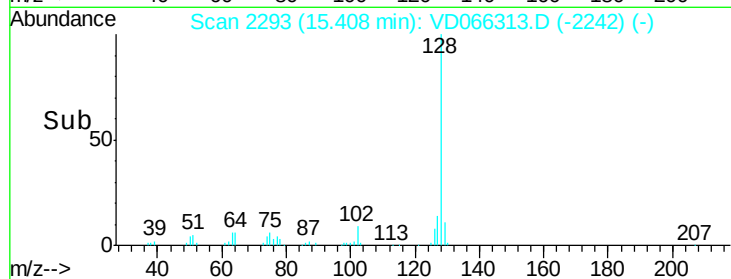
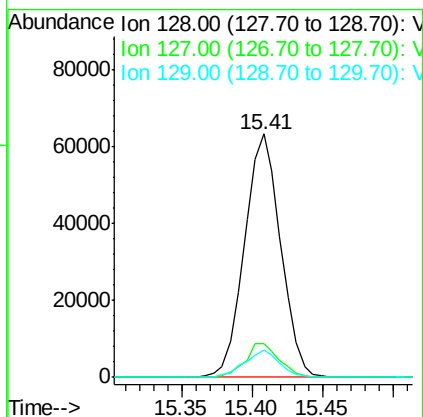
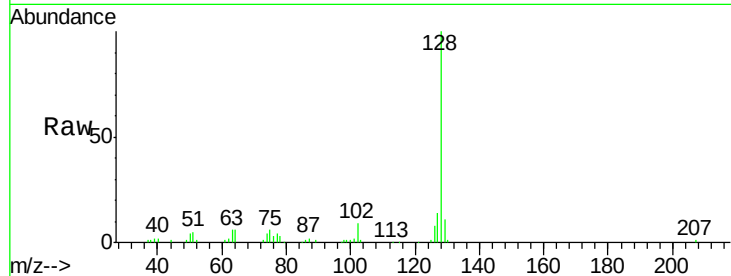




#95  
Naphthalene  
Concen: 19.370 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0819SBS01

Tgt Ion:128 Resp: 113392  
Ion Ratio Lower Upper  
128 100  
127 13.3 11.0 16.4  
129 10.7 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 19.444 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. 0.00 min  
Lab File: VD066313.D  
Acq: 19 Aug 2020 12:44

Tgt Ion:180 Resp: 61669  
Ion Ratio Lower Upper  
180 100  
182 99.3 47.1 141.4  
145 33.4 14.9 44.9

