

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012022\  
 Data File : VD071765.D  
 Acq On : 20 Jan 2022 17:22  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 21 03:16:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 290386   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 474802   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 454890   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 226397   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 206857   | 55.362   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 110.720% |      |
| 35) Dibromofluoromethane    | 7.914  | 113   | 176765   | 56.333   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 112.660% |      |
| 50) Toluene-d8              | 10.332 | 98    | 668035   | 56.873   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 113.740% |      |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 234662   | 56.696   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 113.400% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.991 | 85  | 104733  | 47.566  | ug/l   | 97  |
| 3) Chloromethane             | 2.209 | 50  | 140262  | 48.586  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.350 | 62  | 176698  | 48.940  | ug/l   | 90  |
| 5) Bromomethane              | 2.762 | 94  | 115717  | 47.948  | ug/l   | 99  |
| 6) Chloroethane              | 2.921 | 64  | 128282  | 49.857  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.274 | 101 | 246062  | 48.075  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.709 | 74  | 69169   | 51.382  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 4.091 | 101 | 147894  | 49.437  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.297 | 142 | 130664  | 45.682  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.215 | 59  | 62318   | 359.204 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.068 | 96  | 122347  | 47.129  | ug/l   | 94  |
| 13) Acrolein                 | 3.915 | 56  | 58857   | 161.390 | ug/l   | 100 |
| 14) Allyl chloride           | 4.715 | 41  | 257722  | 50.068  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.420 | 53  | 193461  | 271.941 | ug/l   | 99  |
| 16) Acetone                  | 4.156 | 43  | 231668  | 268.553 | ug/l   | 91  |
| 17) Carbon Disulfide         | 4.409 | 76  | 285233  | 43.832  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.715 | 43  | 138676  | 56.031  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.473 | 73  | 362585  | 52.912  | ug/l   | 96  |
| 20) Methylene Chloride       | 4.962 | 84  | 165212  | 51.896  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.468 | 96  | 141103  | 47.596  | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.362 | 45  | 589811  | 53.213  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.303 | 43  | 1461208 | 282.493 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.262 | 63  | 320061  | 50.589  | ug/l   | 99  |
| 25) 2-Butanone               | 7.209 | 43  | 285531  | 280.145 | ug/l   | 93  |
| 26) 2,2-Dichloropropane      | 7.203 | 77  | 265618  | 49.997  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 7.209 | 96  | 176653  | 50.485  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.544 | 49  | 149001  | 48.345  | ug/l   | 97  |
| 29) Tetrahydrofuran          | 7.556 | 42  | 162765  | 277.597 | ug/l   | 97  |
| 30) Chloroform               | 7.709 | 83  | 335115  | 51.798  | ug/l   | 98  |
| 31) Cyclohexane              | 7.979 | 56  | 250611  | 48.463  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 7.897 | 97  | 289463  | 50.764  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.109 | 75  | 228579  | 51.067  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.285 | 43  | 113792  | 54.776  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 8.091 | 117 | 245775  | 54.220  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.350 | 83  | 242211  | 50.098  | ug/l   | 99  |
| 40) Benzene                  | 8.344 | 78  | 641985  | 52.056  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 21 03:16:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.515  | 41   | 71324    | 55.559   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 226968   | 54.368   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 227496   | 58.176   | ug/l   | 99       |
| 44) Trichloroethene           | 9.109  | 130  | 161963   | 51.031   | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 182958   | 54.879   | ug/l   | 98       |
| 46) Dibromomethane            | 9.467  | 93   | 91221    | 53.458   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.656  | 83   | 261263   | 55.767   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.450  | 41   | 104090   | 52.674   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.456  | 88   | 22594    | 1320.691 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 626086   | 303.103  | ug/l   | 99       |
| 52) Toluene                   | 10.397 | 92   | 421803   | 54.336   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 236167   | 57.466   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 270004   | 55.721   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 130158   | 58.184   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.656 | 69   | 165039   | 60.189   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 230578   | 55.778   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 416772   | 275.331  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.973 | 43   | 444060   | 307.797  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.132 | 129  | 168458   | 59.162   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 119993   | 56.066   | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.873 | 164  | 136046   | 50.914   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.661 | 112  | 449290   | 51.614   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 171660   | 52.009   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 837479   | 52.406   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.844 | 106  | 637249   | 107.217  | ug/l   | 98       |
| 69) o-Xylene                  | 12.173 | 106  | 299524   | 53.243   | ug/l   | 99       |
| 70) Styrene                   | 12.185 | 104  | 534400   | 55.422   | ug/l   | 99       |
| 71) Bromoform                 | 12.350 | 173  | 92520    | 57.408   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.467 | 105  | 832718   | 51.182   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 229013   | 57.384   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 153454   | 53.227   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 208334   | 95.233   | ug/l # | 100      |
| 77) Bromobenzene              | 12.750 | 156  | 178447   | 50.776   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.808 | 91   | 1062599  | 51.931   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.897 | 91   | 577402   | 50.067   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.950 | 105  | 693717   | 51.032   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 44599    | 56.836   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.997 | 91   | 608572   | 50.865   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 611948   | 52.682   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 696927   | 51.842   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 920744   | 51.753   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 774012   | 52.989   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 377429   | 52.040   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 367489   | 49.667   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.832 | 91   | 764400   | 52.254   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.097 | 117  | 149551   | 51.748   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 329464   | 53.005   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.491 | 75   | 25858    | 55.804   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.144 | 180  | 191255   | 53.391   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 107887   | 51.375   | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 361014   | 56.922   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 169560   | 55.550   | ug/l   | 99       |

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Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jan 21 03:16:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 07 15:39:14 2022  
Response via : Initial Calibration

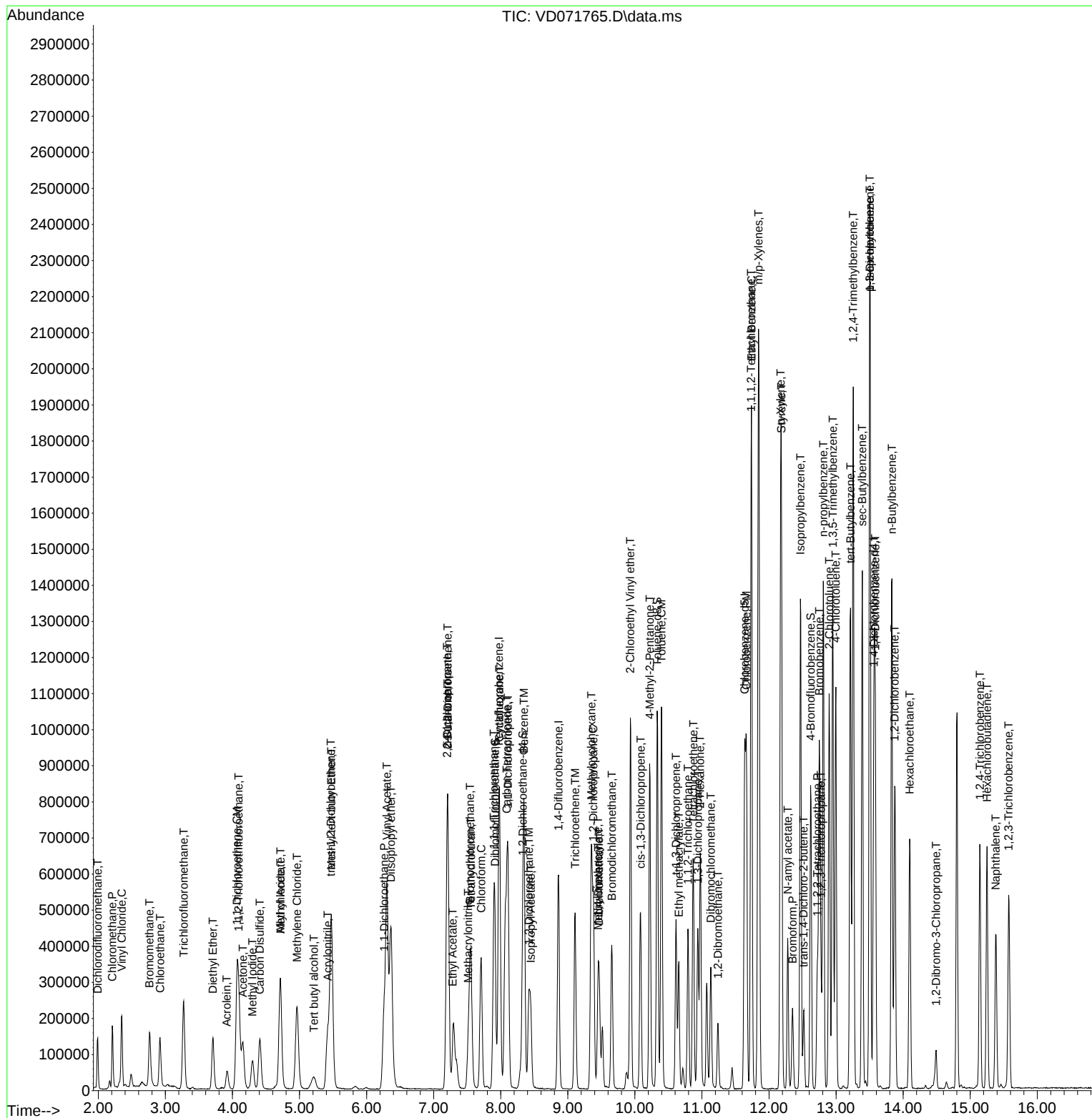
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

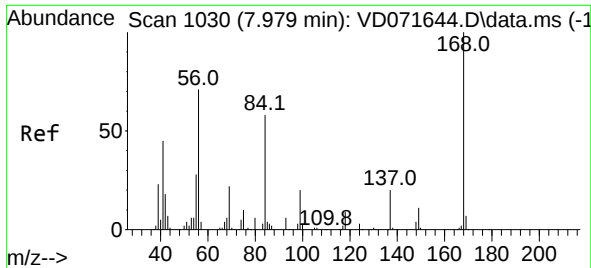
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012022\  
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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
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Quant Time: Jan 21 03:16:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

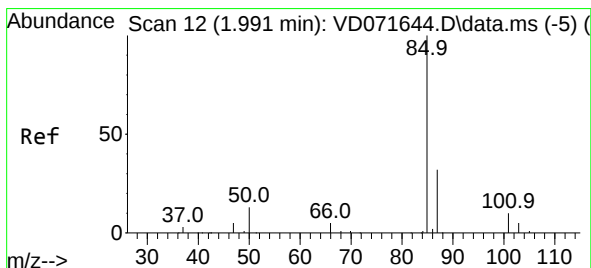
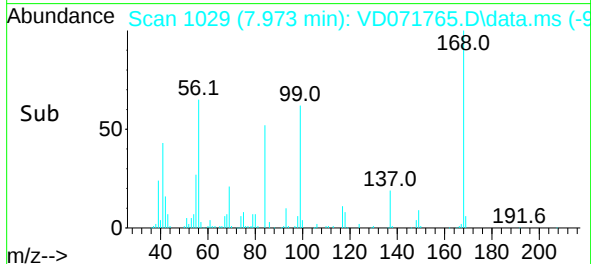
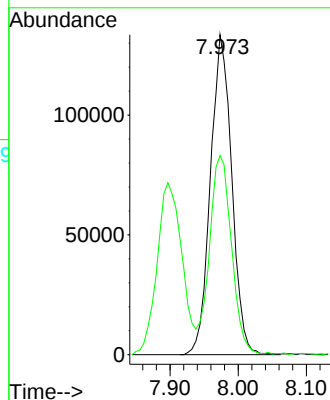
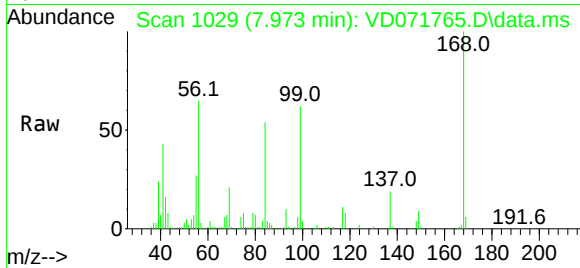




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

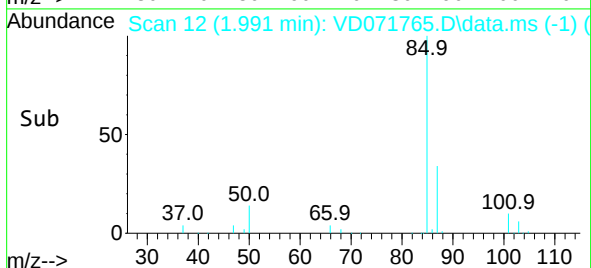
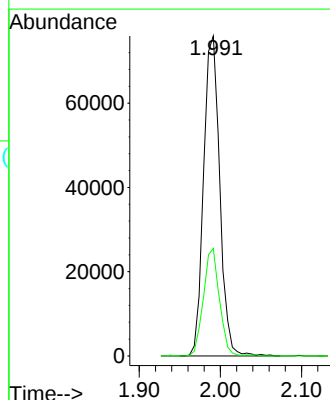
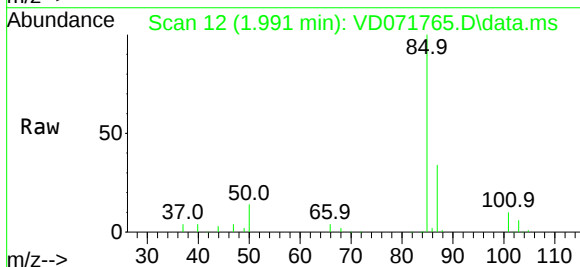
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

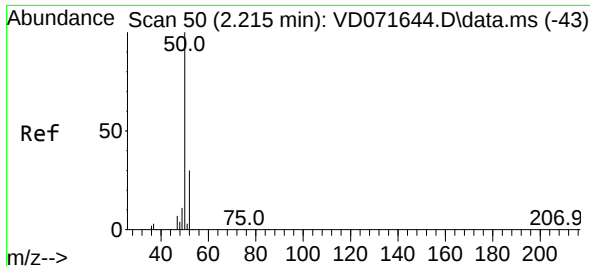
Tgt Ion:168 Resp: 290386  
Ion Ratio Lower Upper  
168 100  
99 61.9 51.8 77.6



#2  
Dichlorodifluoromethane  
Concen: 47.566 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 85 Resp: 104733  
Ion Ratio Lower Upper  
85 100  
87 33.6 15.9 47.6

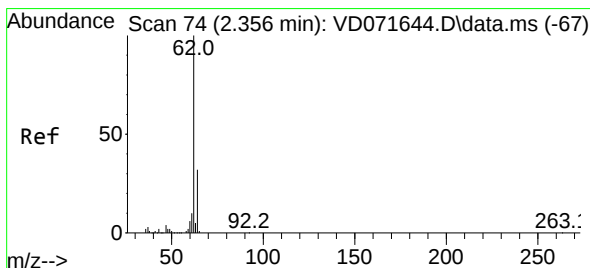
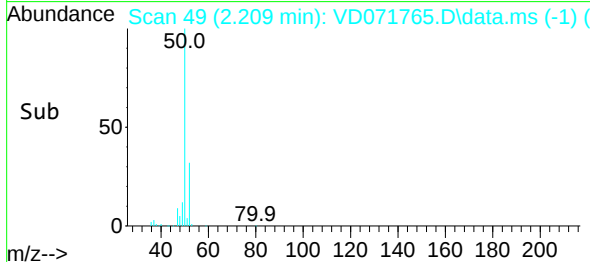
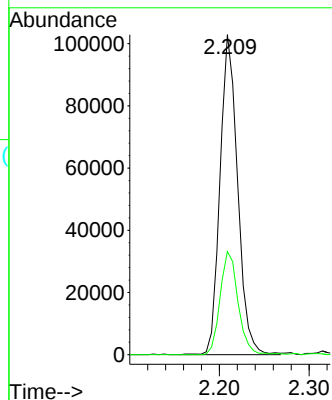
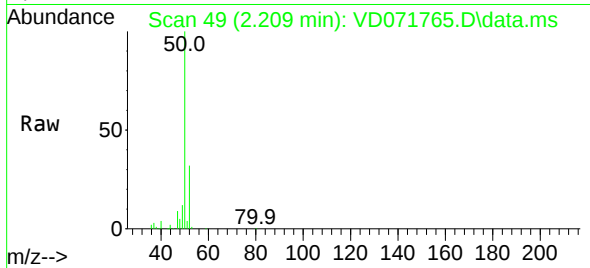




#3  
Chloromethane  
Concen: 48.586 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

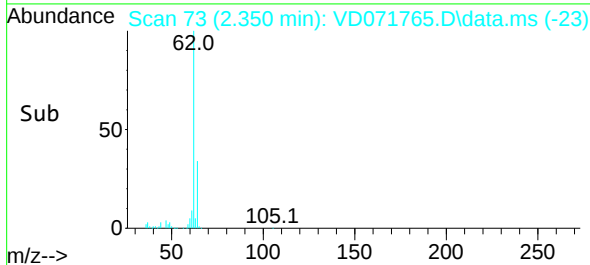
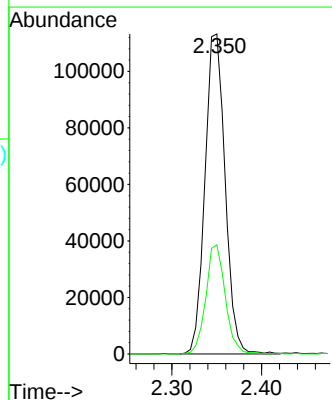
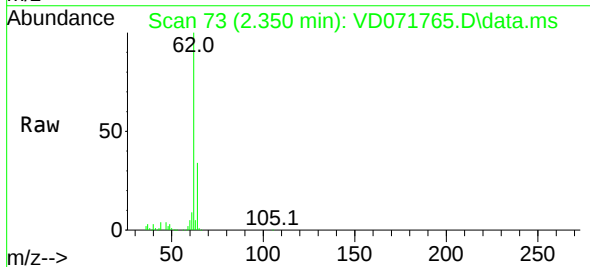
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

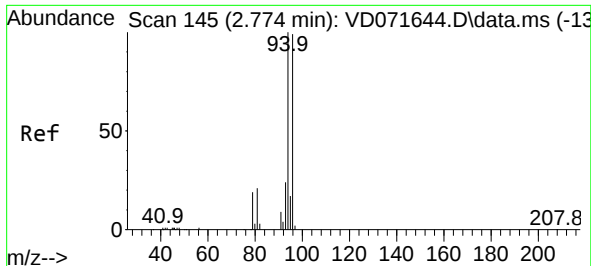
Tgt Ion: 50 Resp: 140262  
Ion Ratio Lower Upper  
50 100  
52 32.3 25.4 38.0



#4  
Vinyl Chloride  
Concen: 48.940 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 62 Resp: 176698  
Ion Ratio Lower Upper  
62 100  
64 34.1 23.2 34.8

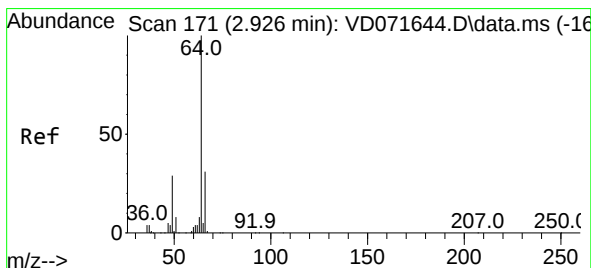
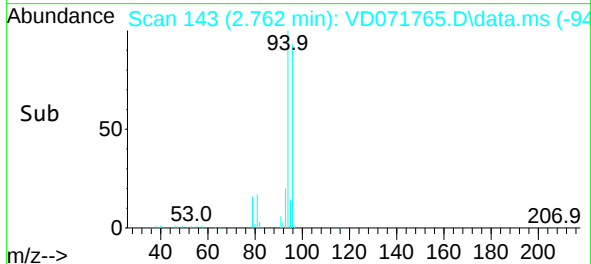
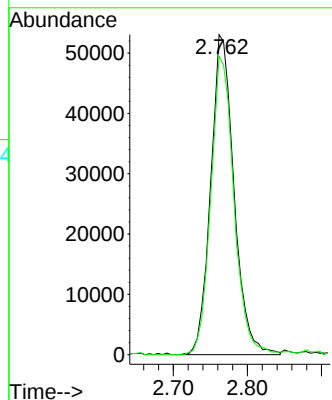
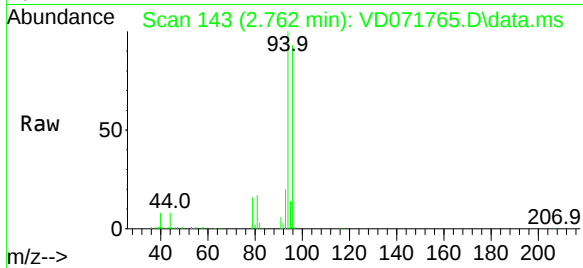




#5  
Bromomethane  
Concen: 47.948 ug/l  
RT: 2.762 min Scan# 145  
Delta R.T. -0.011 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

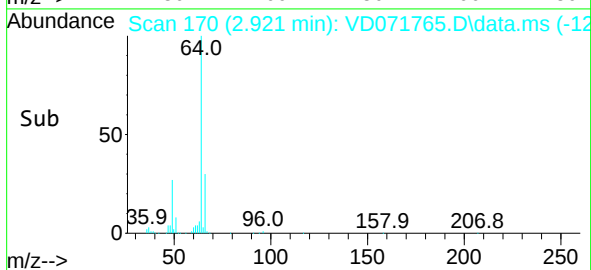
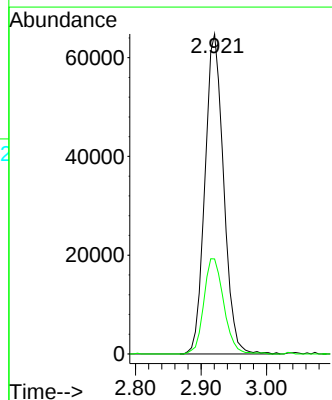
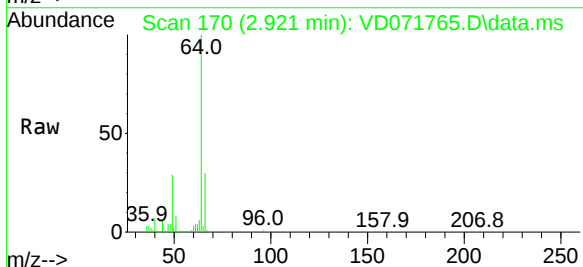
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

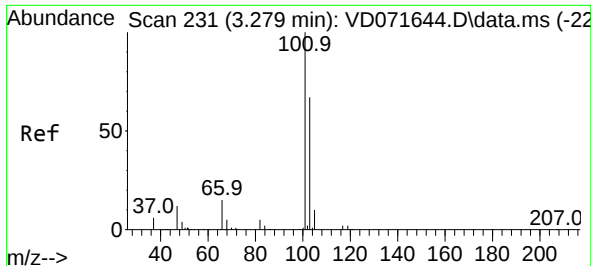
Tgt Ion: 94 Resp: 115717  
Ion Ratio Lower Upper  
94 100  
96 93.3 73.7 110.5



#6  
Chloroethane  
Concen: 49.857 ug/l  
RT: 2.921 min Scan# 170  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 64 Resp: 128282  
Ion Ratio Lower Upper  
64 100  
66 29.7 24.2 36.2

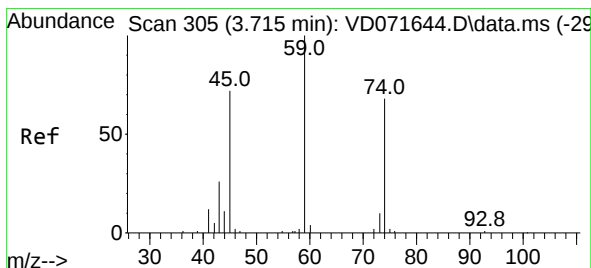
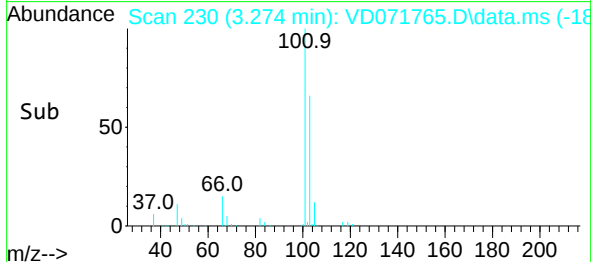
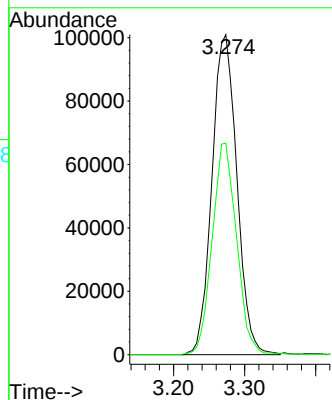
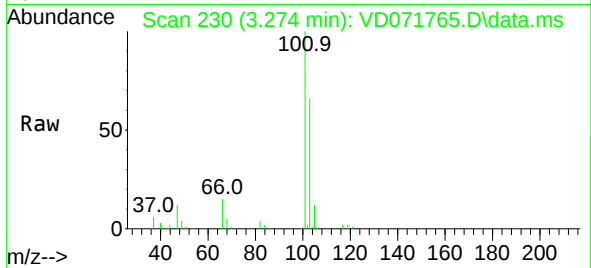




#7  
Trichlorofluoromethane  
Concen: 48.075 ug/l  
RT: 3.274 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

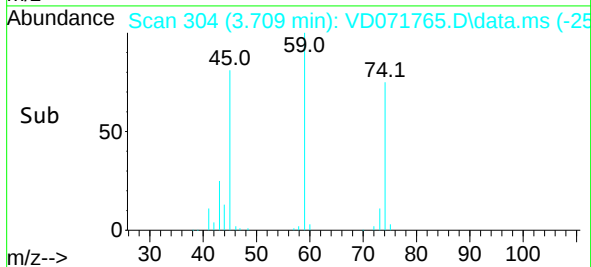
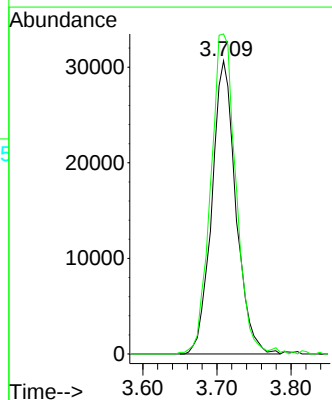
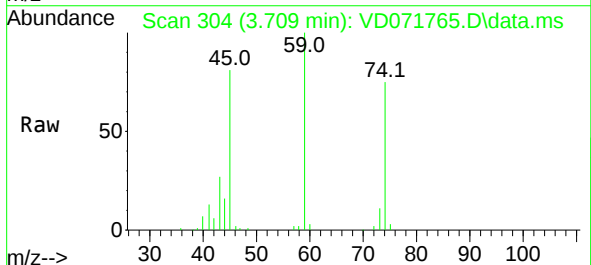
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

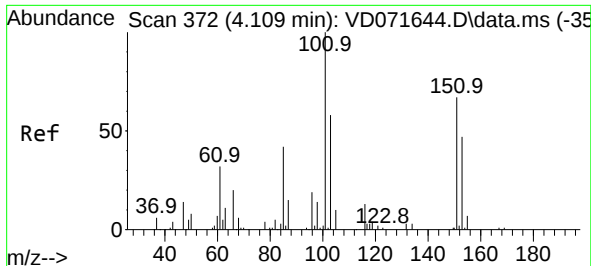
Tgt Ion:101 Resp: 246062  
Ion Ratio Lower Upper  
101 100  
103 66.1 49.8 74.6



#8  
Diethyl Ether  
Concen: 51.382 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 74 Resp: 69169  
Ion Ratio Lower Upper  
74 100  
45 114.4 56.5 169.5

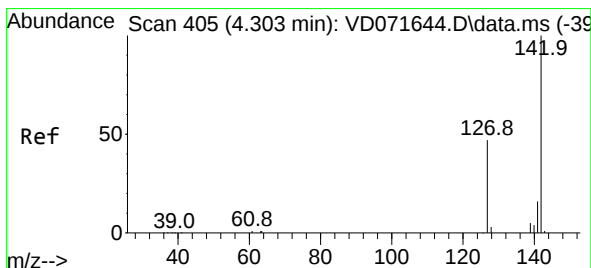
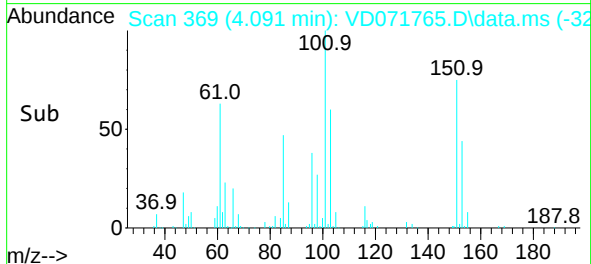
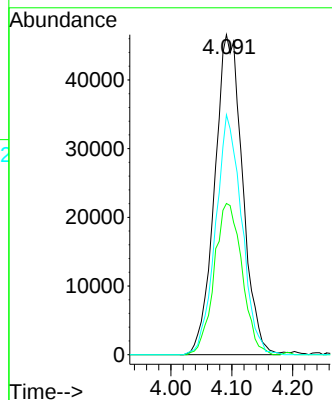
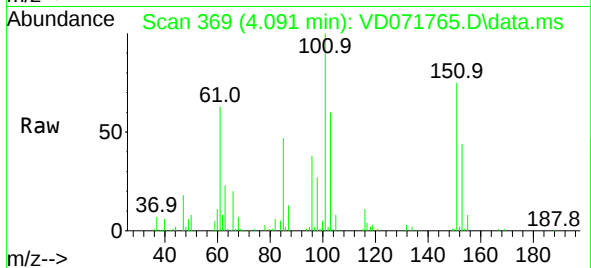




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.437 ug/l  
RT: 4.091 min Scan# 3  
Delta R.T. -0.011 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

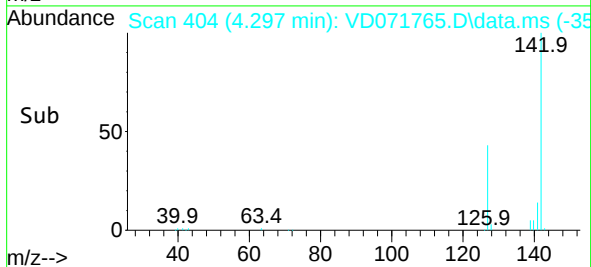
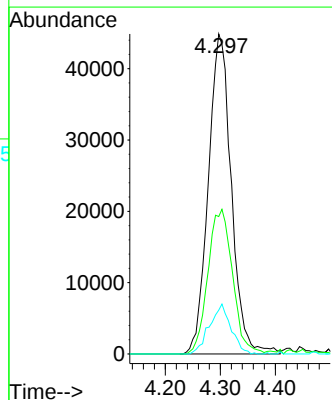
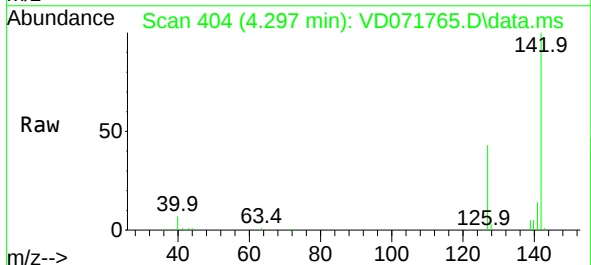
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

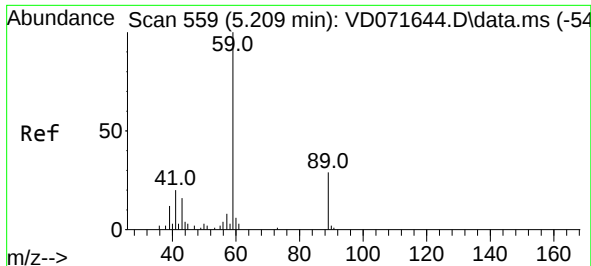
Tgt Ion:101 Resp: 147894  
Ion Ratio Lower Upper  
101 100  
85 47.2 38.7 58.1  
151 70.4 56.2 84.2



#10  
Methyl Iodide  
Concen: 45.682 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:142 Resp: 130664  
Ion Ratio Lower Upper  
142 100  
127 48.2 39.4 59.2  
141 14.6 11.9 17.9

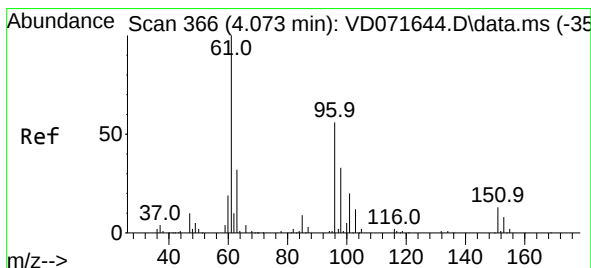
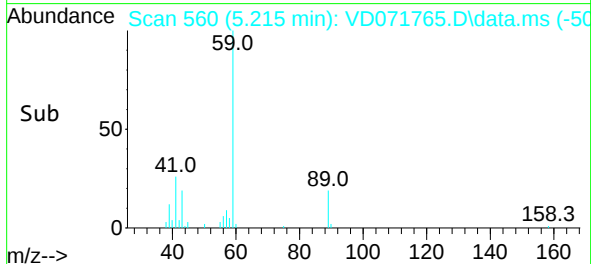
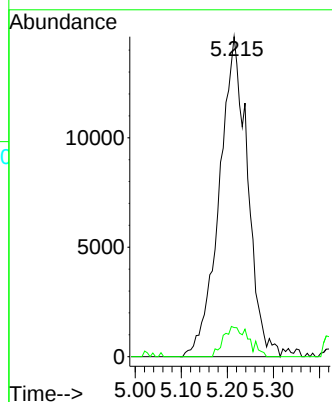
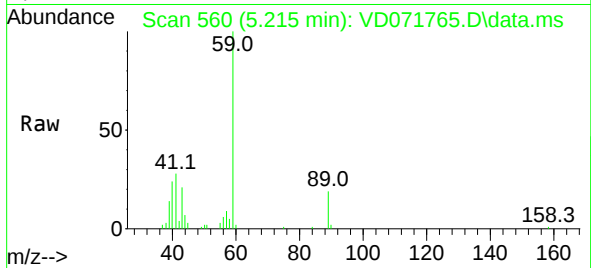




#11  
Tert butyl alcohol  
Concen: 359.204 ug/l  
RT: 5.215 min Scan# 50  
Delta R.T. 0.007 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

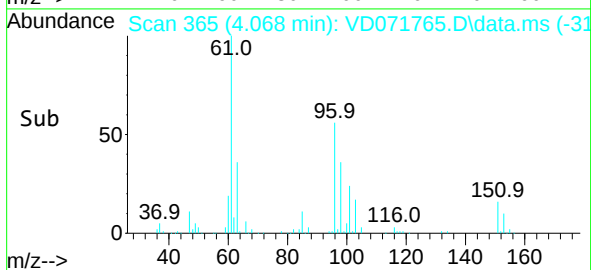
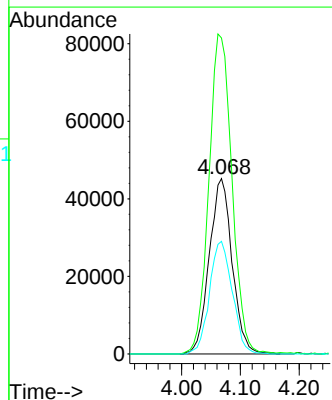
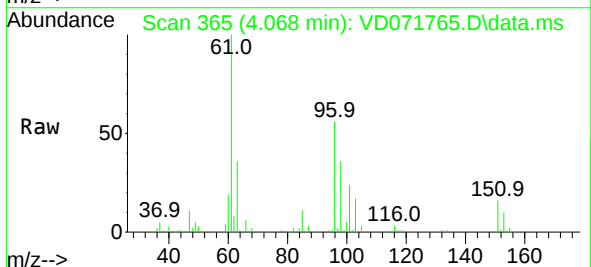
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

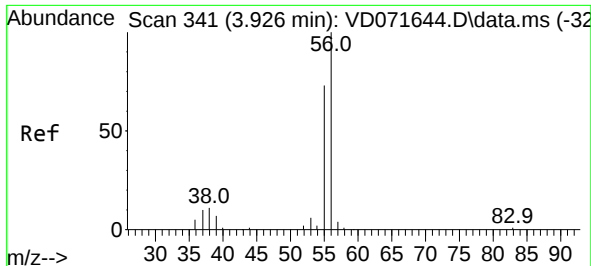
Tgt Ion: 59 Resp: 62318  
Ion Ratio Lower Upper  
59 100  
57 8.4 7.3 10.9



#12  
1,1-Dichloroethene  
Concen: 47.129 ug/l  
RT: 4.068 min Scan# 365  
Delta R.T. -0.011 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 96 Resp: 122347  
Ion Ratio Lower Upper  
96 100  
61 180.2 137.8 206.8  
98 64.2 48.3 72.5

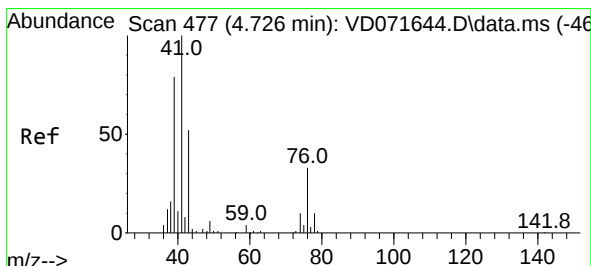
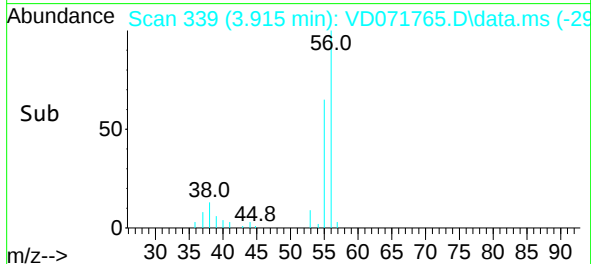
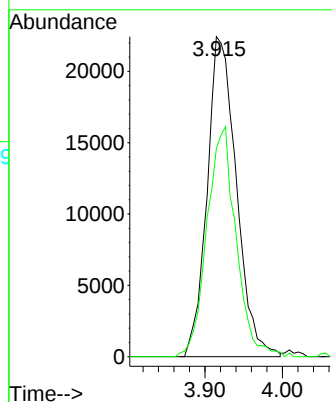
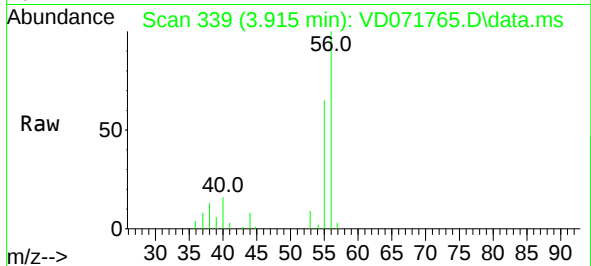




#13  
Acrolein  
Concen: 161.390 ug/l  
RT: 3.915 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

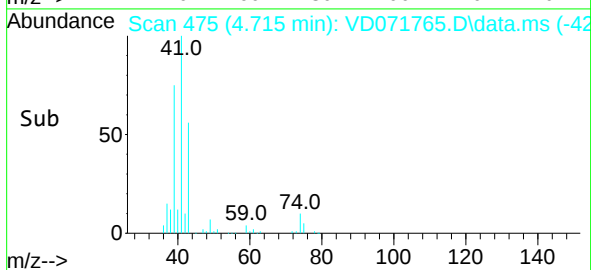
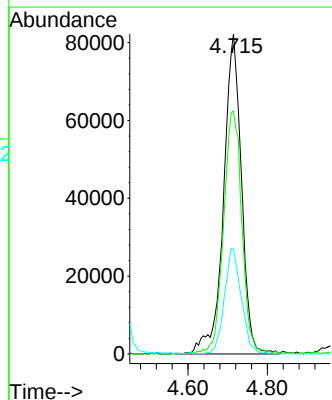
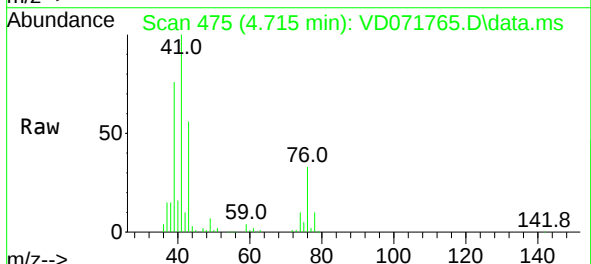
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

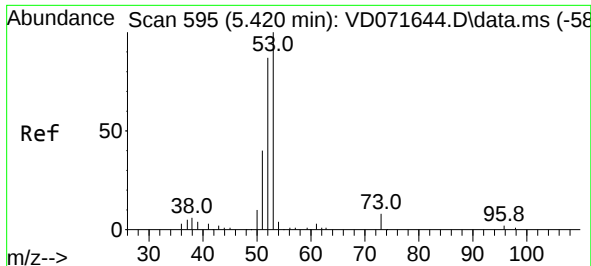
Tgt Ion: 56 Resp: 58857  
Ion Ratio Lower Upper  
56 100  
55 71.5 56.9 85.3



#14  
Allyl chloride  
Concen: 50.068 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 41 Resp: 257722  
Ion Ratio Lower Upper  
41 100  
39 77.9 63.2 94.8  
76 31.3 25.8 38.6

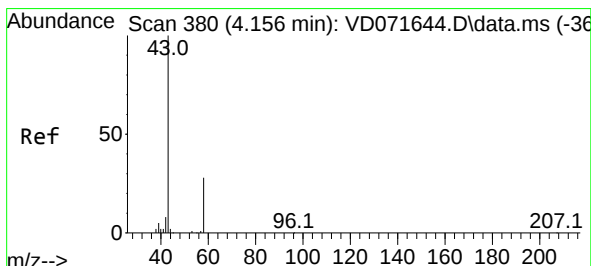
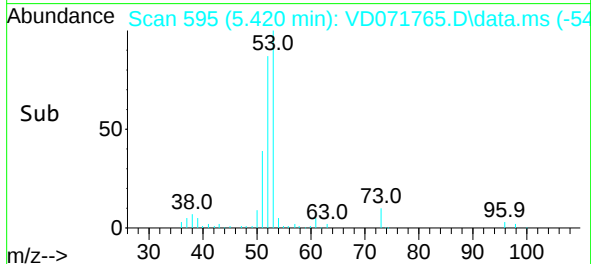
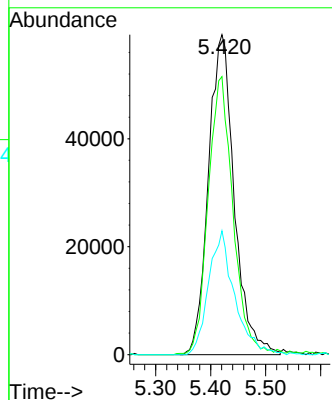
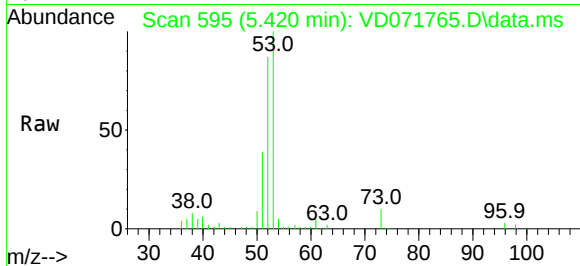




#15  
Acrylonitrile  
Concen: 271.941 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

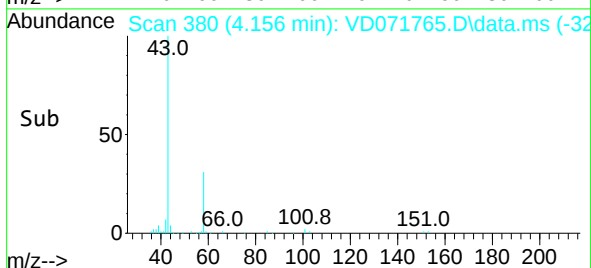
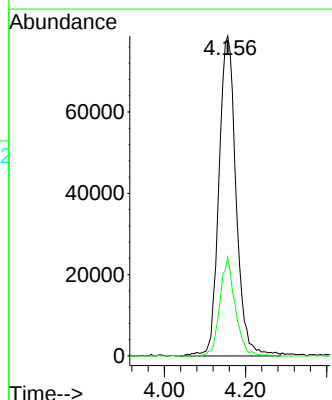
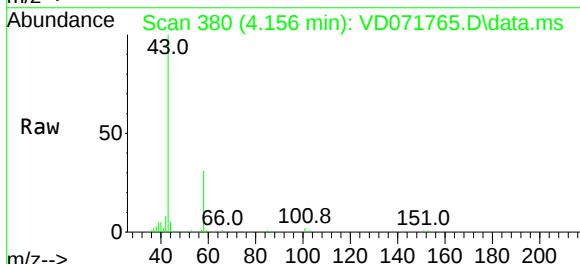
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

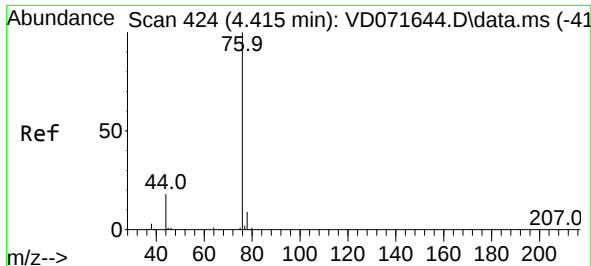
Tgt Ion: 53 Resp: 193461  
Ion Ratio Lower Upper  
53 100  
52 83.5 65.6 98.4  
51 39.1 31.2 46.8



#16  
Acetone  
Concen: 268.553 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 43 Resp: 231668  
Ion Ratio Lower Upper  
43 100  
58 30.8 21.0 31.6

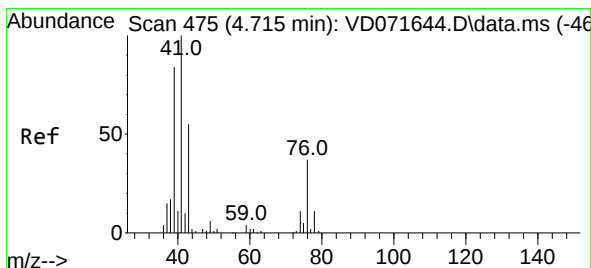
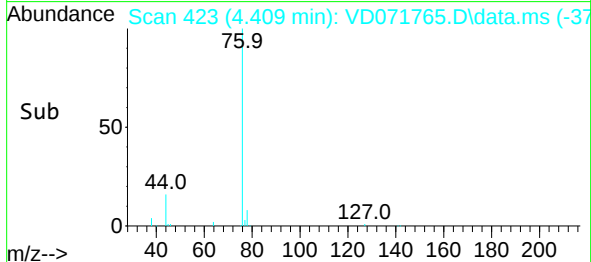
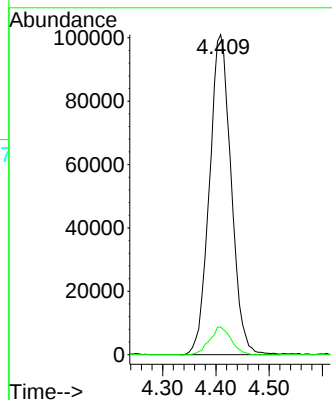
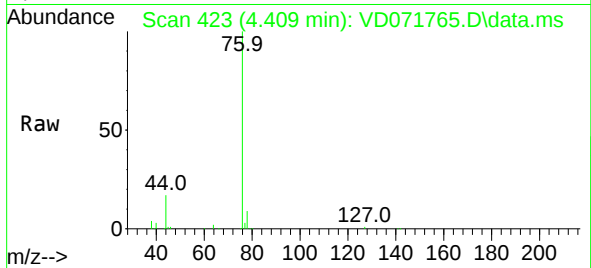




#17  
Carbon Disulfide  
Concen: 43.832 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

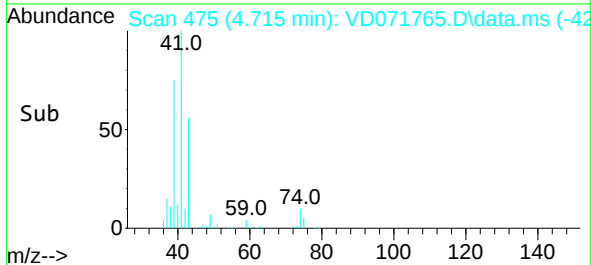
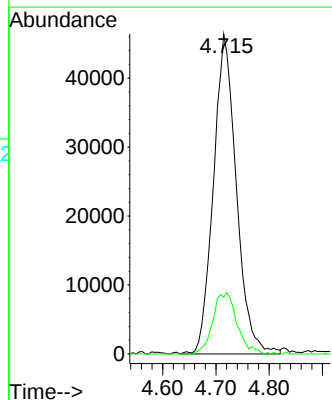
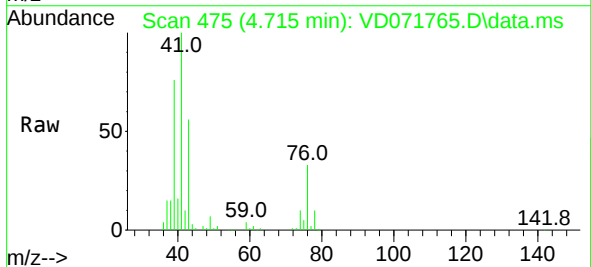
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 285233  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.4 11.2



#18  
Methyl Acetate  
Concen: 56.031 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 43 Resp: 138676  
Ion Ratio Lower Upper  
43 100  
74 20.0 16.3 24.5





#19

Methyl tert-butyl Ether

Concen: 52.912 ug/l

RT: 5.473 min Scan# 604

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

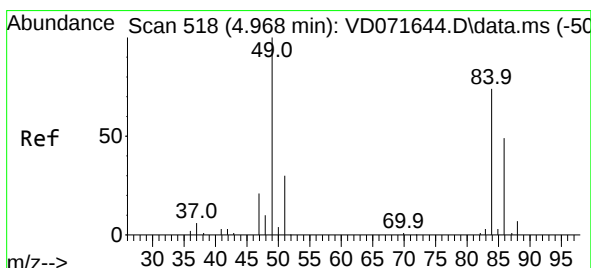
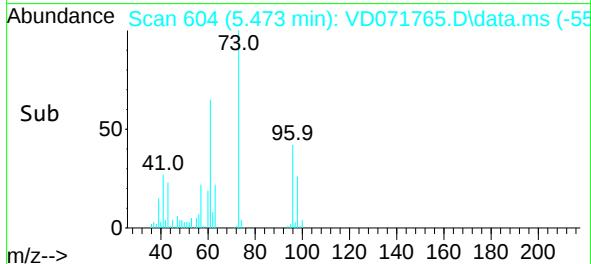
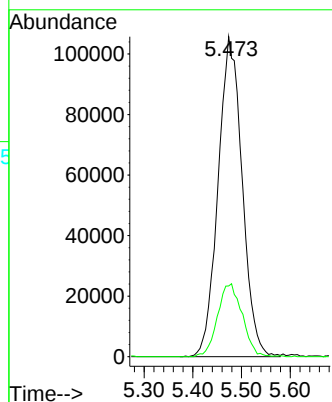
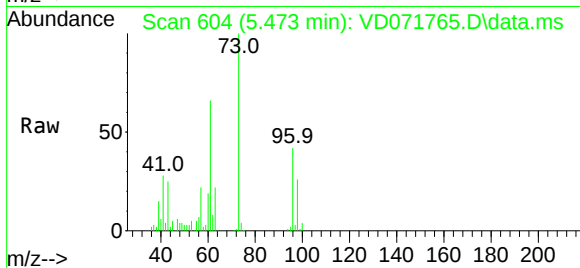
VSTDCCC050EC

Tgt Ion: 73 Resp: 362585

Ion Ratio Lower Upper

73 100

57 22.1 19.2 28.8



#20

Methylene Chloride

Concen: 51.896 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Tgt Ion: 84 Resp: 165212

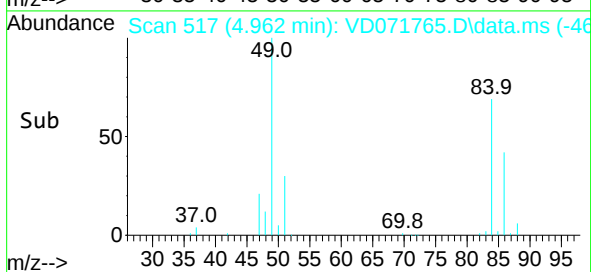
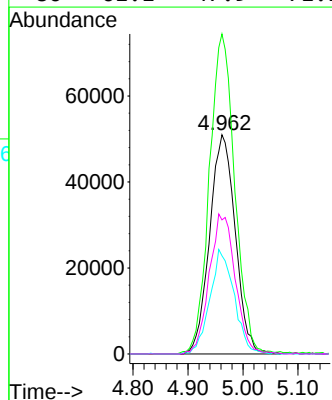
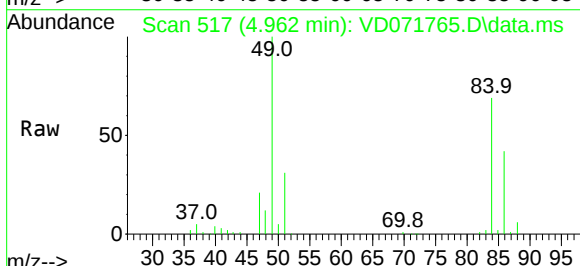
Ion Ratio Lower Upper

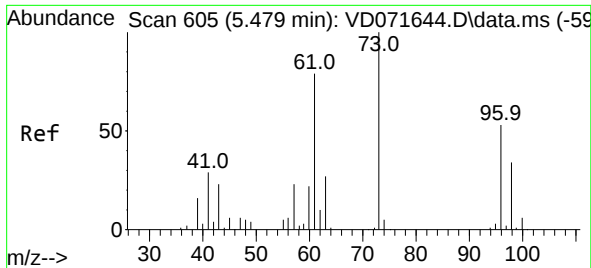
84 100

49 145.4 118.6 178.0

51 44.8 37.8 56.6

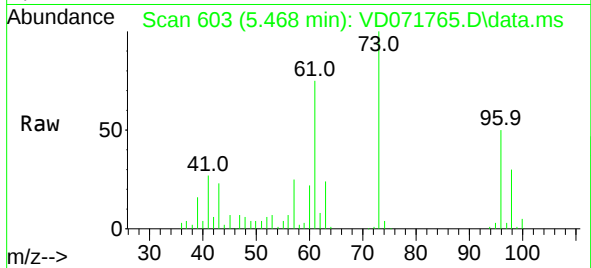
86 61.1 47.9 71.9





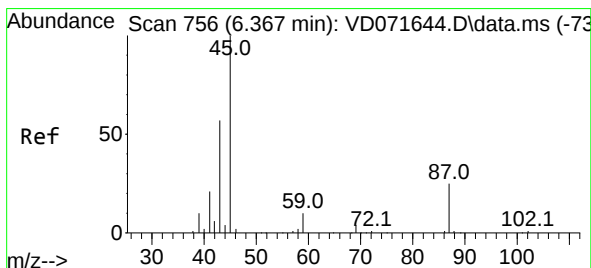
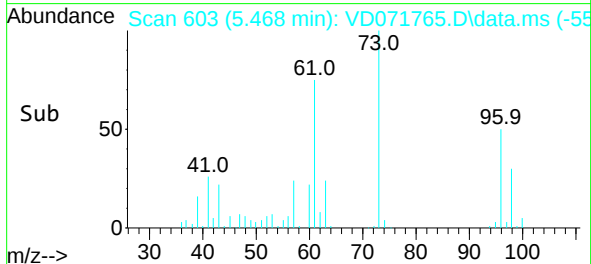
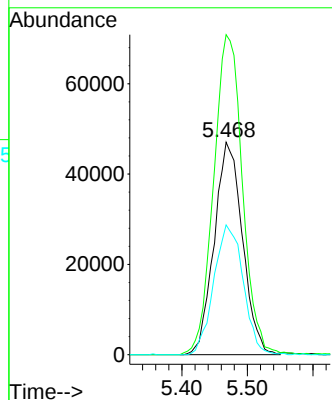
#21  
trans-1,2-Dichloroethene  
Concen: 47.596 ug/l  
RT: 5.468 min Scan# 605  
Delta R.T. -0.011 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 96 Resp: 141103

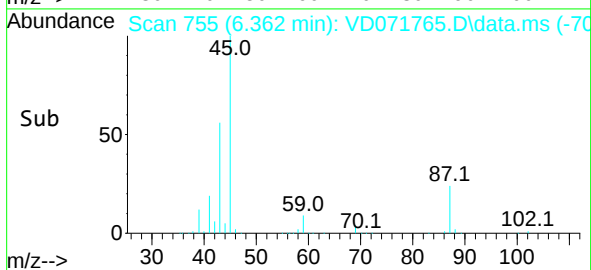
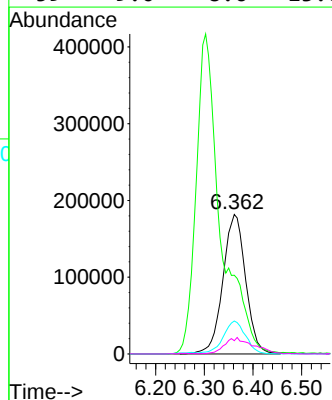
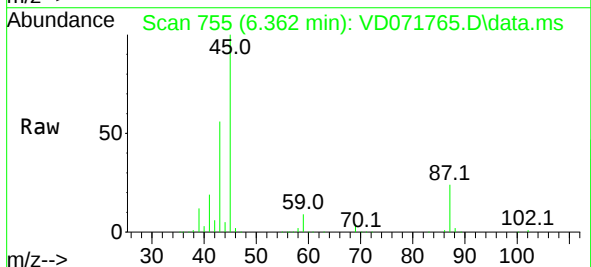
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 150.6 | 119.4 | 179.0 |
| 98  | 61.1  | 49.3  | 73.9  |

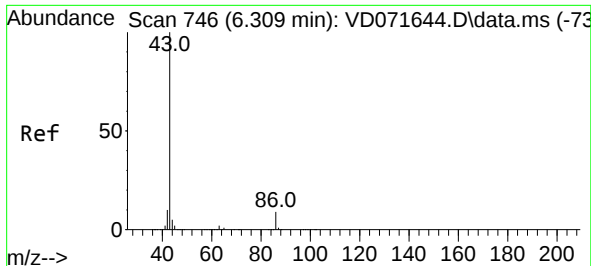


#22  
Diisopropyl ether  
Concen: 53.213 ug/l  
RT: 6.362 min Scan# 755  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 45 Resp: 589811

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 55.6  | 43.0  | 64.6  |
| 87  | 23.6  | 19.0  | 28.4  |
| 59  | 9.0   | 8.6   | 13.0  |

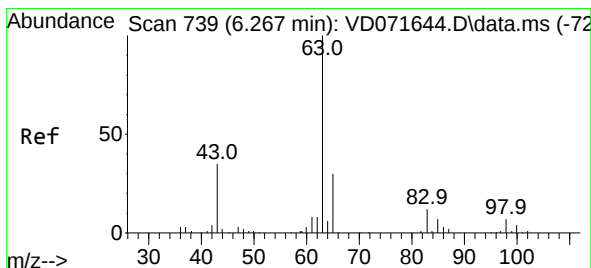
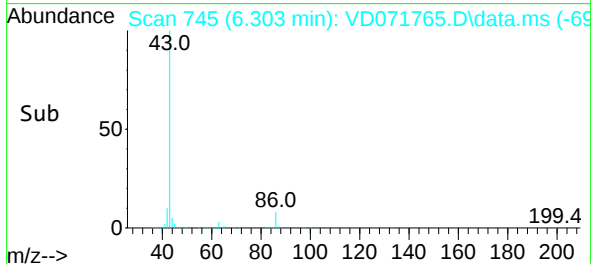
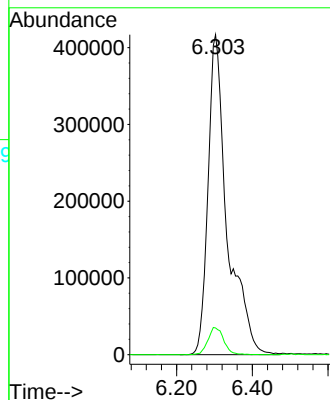
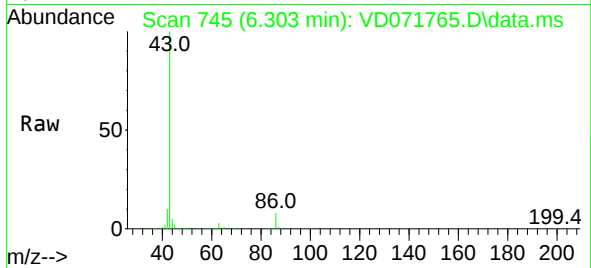




#23  
 Vinyl Acetate  
 Concen: 282.493 ug/l  
 RT: 6.303 min Scan# 746  
 Delta R.T. -0.005 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

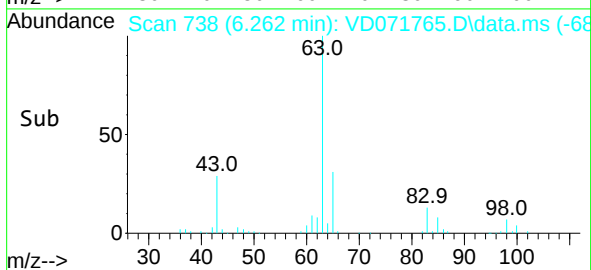
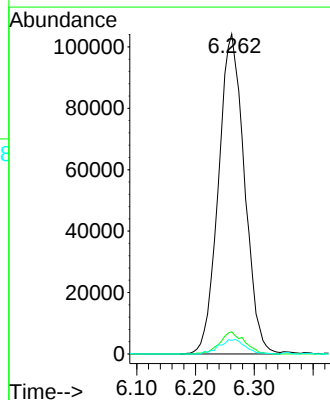
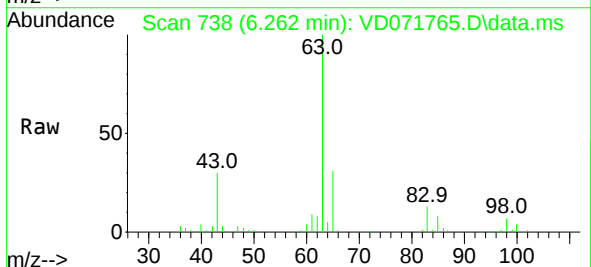
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

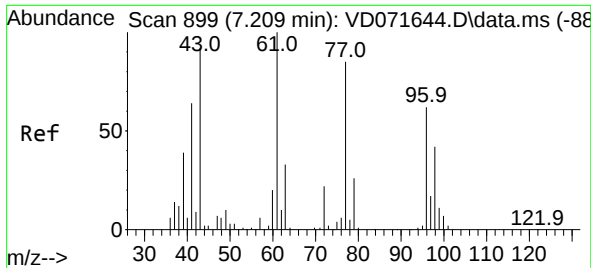
Tgt Ion: 43 Resp: 1461208  
 Ion Ratio Lower Upper  
 43 100  
 86 8.3 6.7 10.1



#24  
 1,1-Dichloroethane  
 Concen: 50.589 ug/l  
 RT: 6.262 min Scan# 738  
 Delta R.T. -0.011 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

Tgt Ion: 63 Resp: 320061  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.4 10.1  
 100 4.3 2.5 7.5

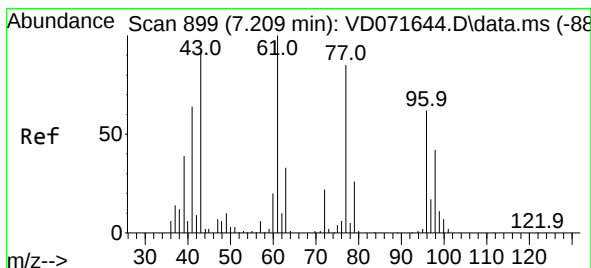
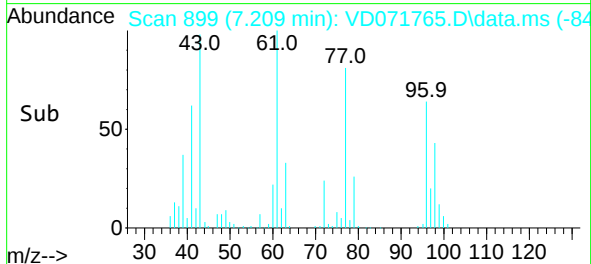
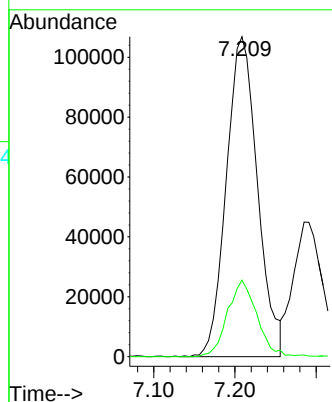
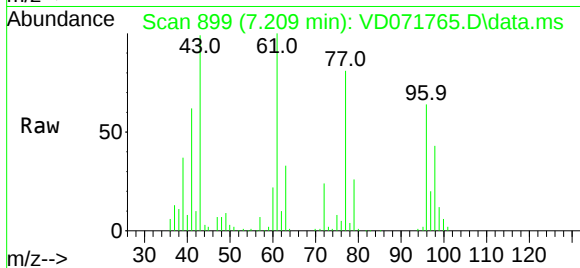




#25  
2-Butanone  
Concen: 280.145 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

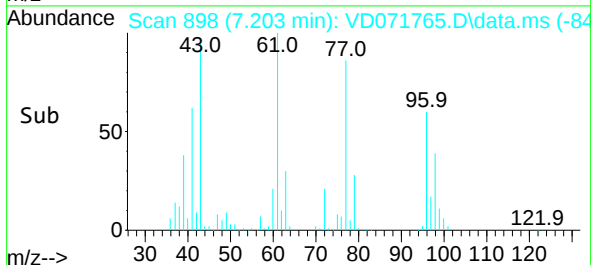
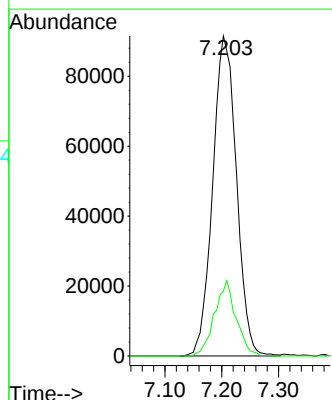
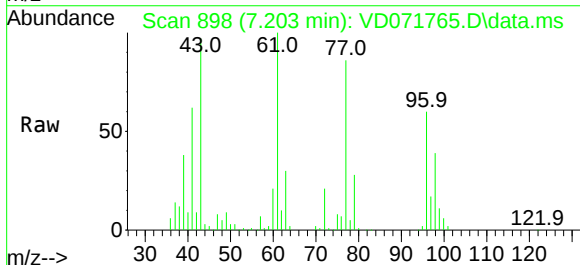
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

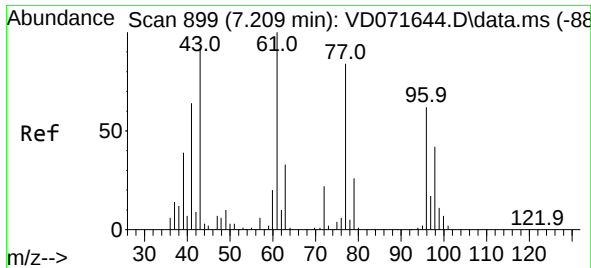
Tgt Ion: 43 Resp: 285531  
Ion Ratio Lower Upper  
43 100  
72 23.9 16.4 24.6



#26  
2,2-Dichloropropane  
Concen: 49.997 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 77 Resp: 265618  
Ion Ratio Lower Upper  
77 100  
97 21.3 10.7 32.1



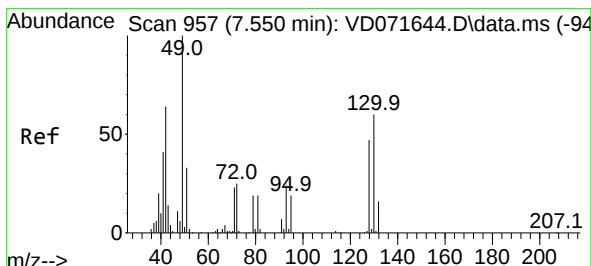
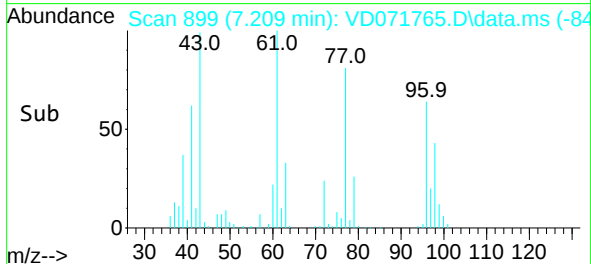
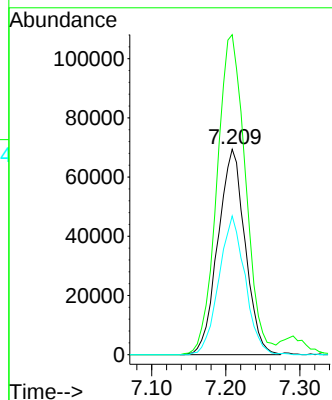
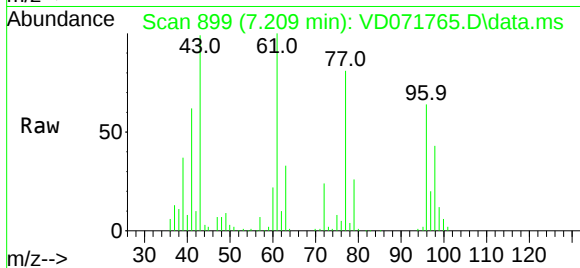


#27  
 cis-1,2-Dichloroethene  
 Concen: 50.485 ug/l  
 RT: 7.209 min Scan# 899  
 Delta R.T. -0.005 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 176653

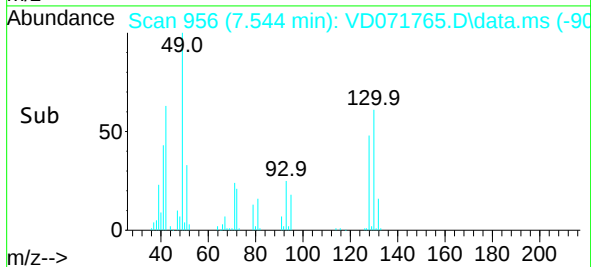
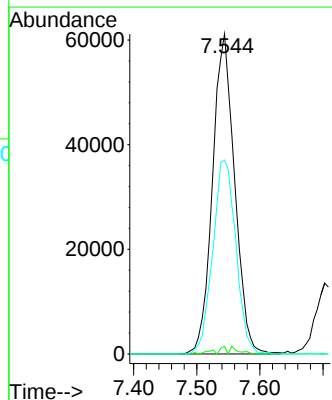
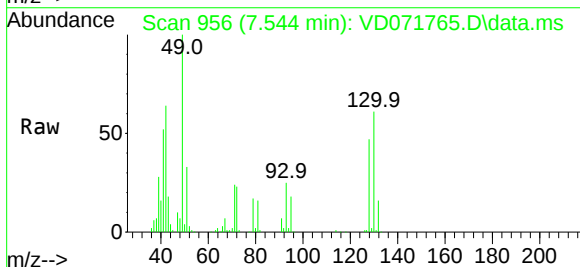
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 164.1 | 0.0   | 322.8 |
| 98  | 65.2  | 0.0   | 130.8 |

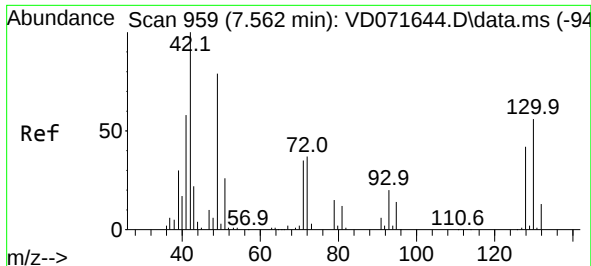


#28  
 Bromochloromethane  
 Concen: 48.345 ug/l  
 RT: 7.544 min Scan# 956  
 Delta R.T. -0.005 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

Tgt Ion: 49 Resp: 149001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.1   | 0.0   | 4.2   |
| 130 | 63.2  | 48.9  | 73.3  |





#29

Tetrahydrofuran

Concen: 277.597 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

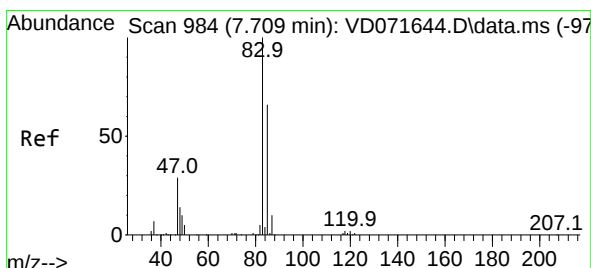
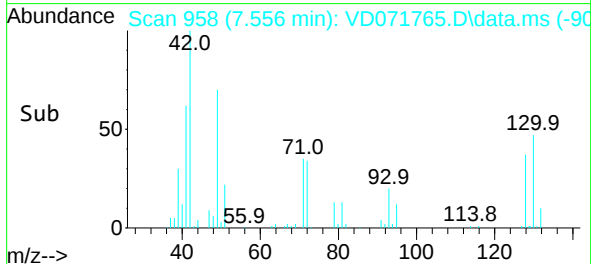
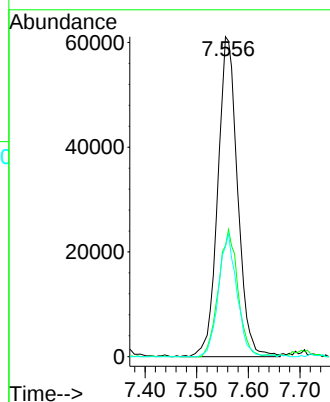
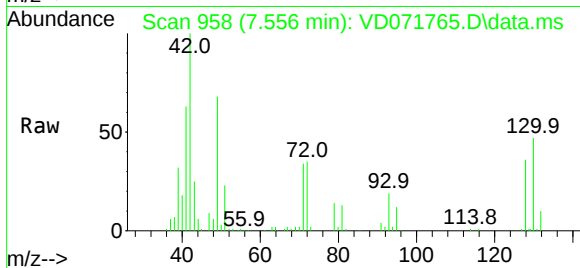
Tgt Ion: 42 Resp: 162765

Ion Ratio Lower Upper

42 100

72 38.6 29.6 44.4

71 35.8 27.3 40.9



#30

Chloroform

Concen: 51.798 ug/l

RT: 7.709 min Scan# 984

Delta R.T. -0.005 min

Lab File: VD071765.D

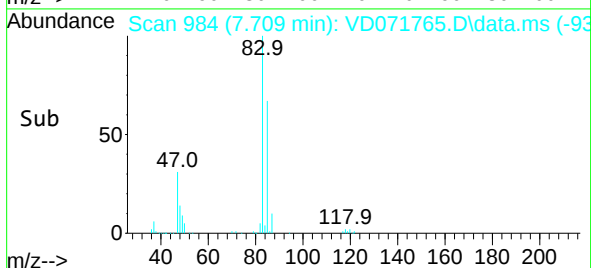
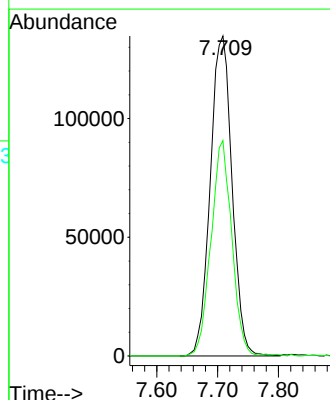
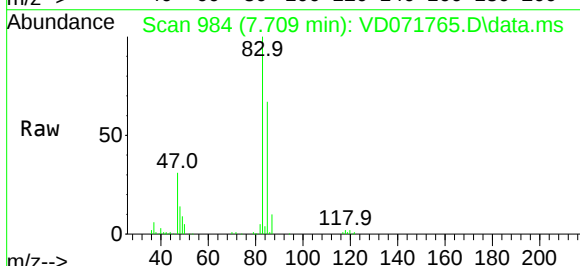
Acq: 20 Jan 2022 17:22

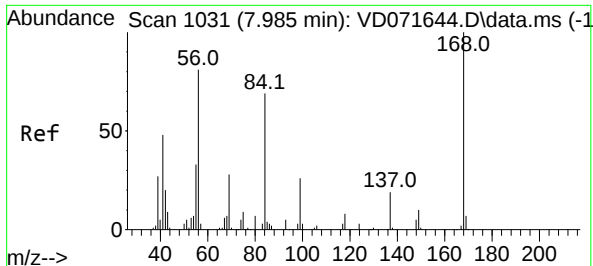
Tgt Ion: 83 Resp: 335115

Ion Ratio Lower Upper

83 100

85 67.3 52.4 78.6





#31

Cyclohexane

Concen: 48.463 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.011 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

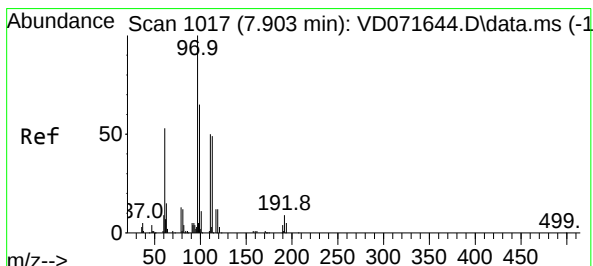
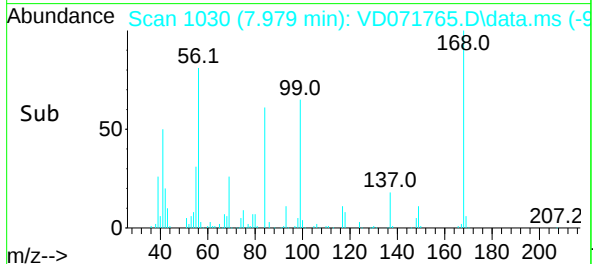
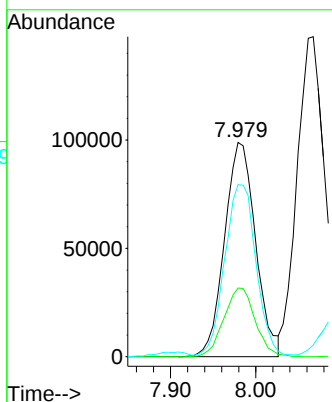
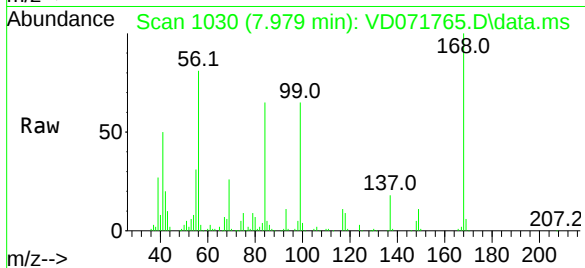
Tgt Ion: 56 Resp: 250611

Ion Ratio Lower Upper

56 100

69 32.1 21.7 32.5

84 78.1 65.7 98.5



#32

1,1,1-Trichloroethane

Concen: 50.764 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

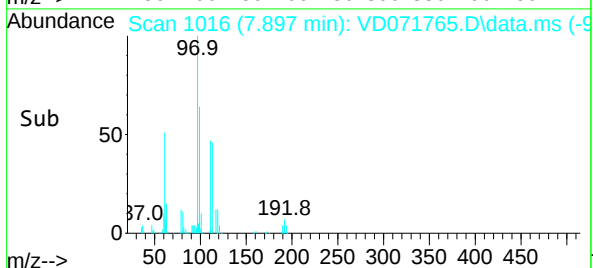
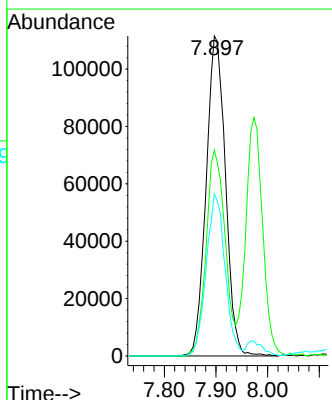
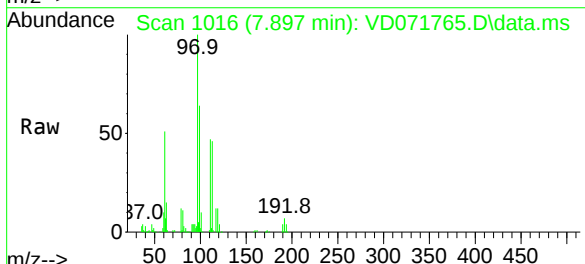
Tgt Ion: 97 Resp: 289463

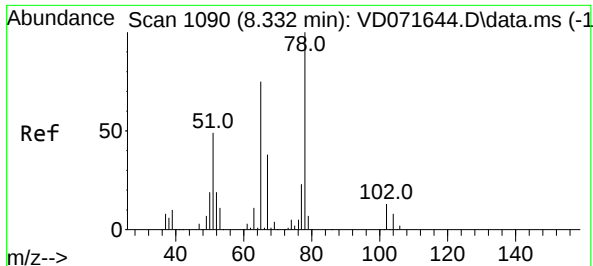
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.6

61 49.3 40.5 60.7





#33

1,2-Dichloroethane-d4

Concen: 55.362 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

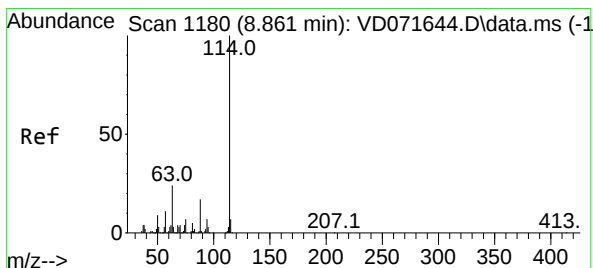
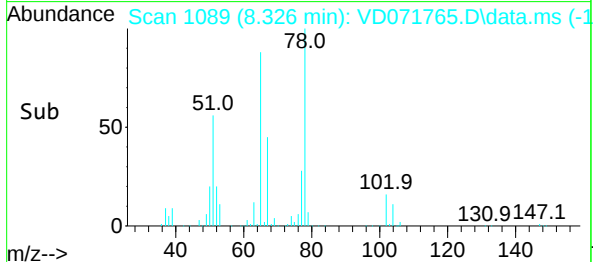
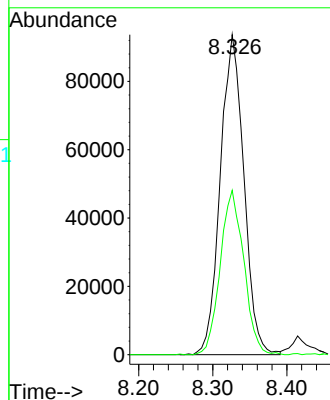
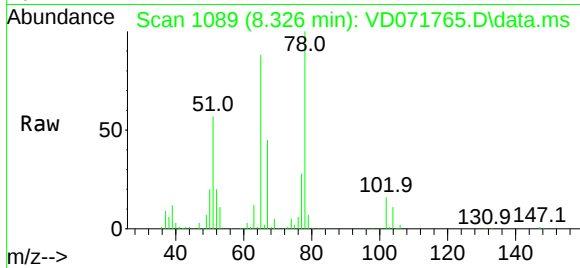
VSTDCCC050EC

Tgt Ion: 65 Resp: 206857

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

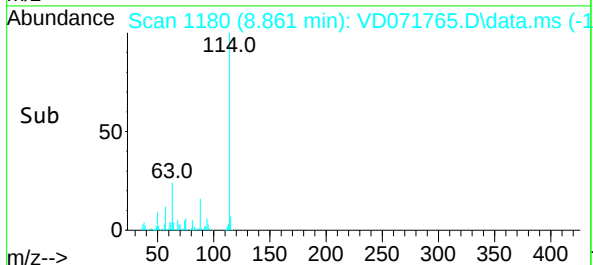
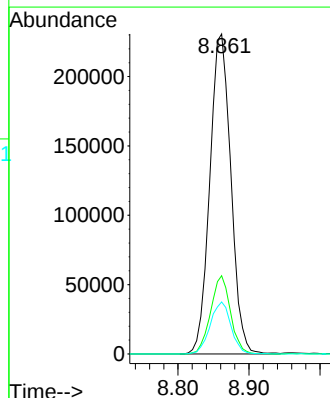
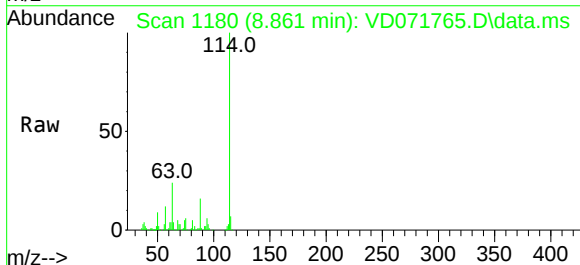
Tgt Ion: 114 Resp: 474802

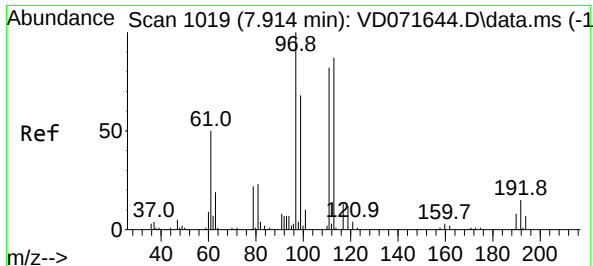
Ion Ratio Lower Upper

114 100

63 24.5 0.0 46.2

88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.333 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

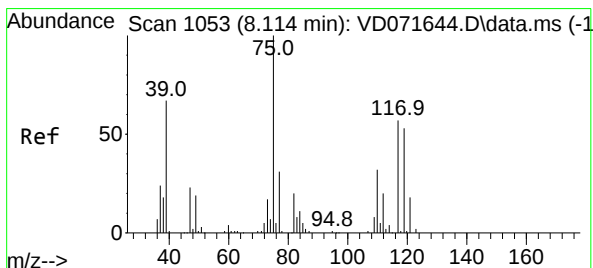
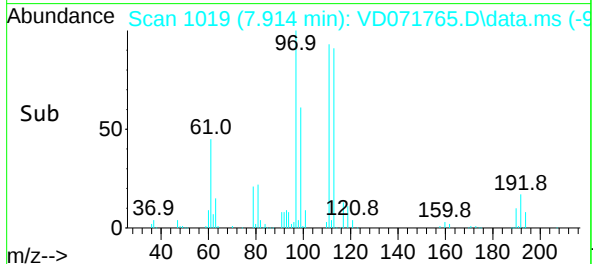
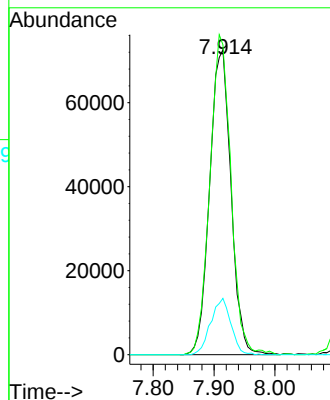
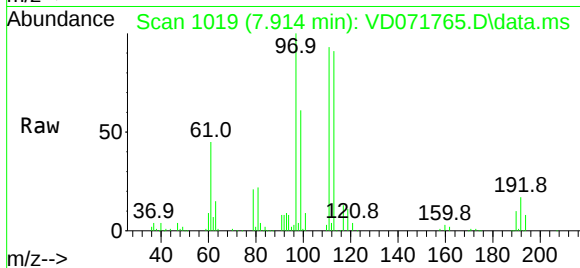
Tgt Ion:113 Resp: 176765

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 17.5 14.2 21.2



#36

1,1-Dichloropropene

Concen: 51.067 ug/l

RT: 8.109 min Scan# 1052

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

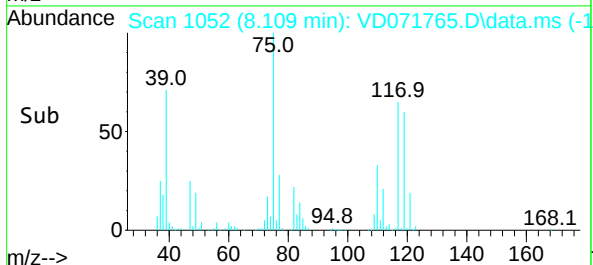
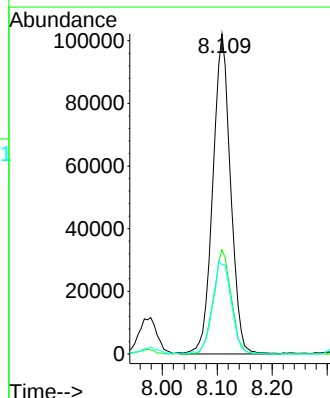
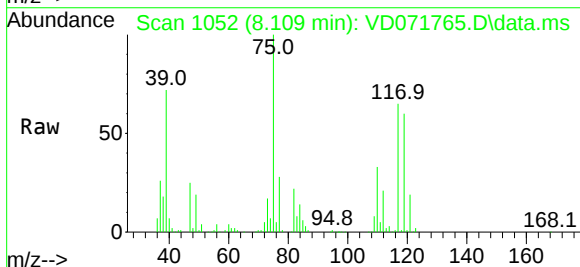
Tgt Ion: 75 Resp: 228579

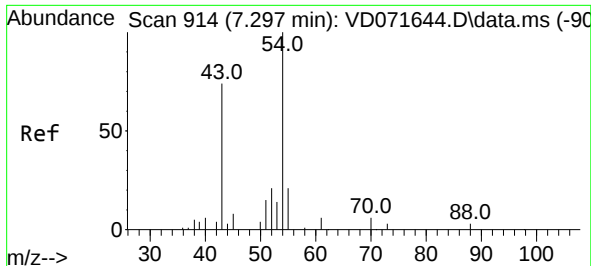
Ion Ratio Lower Upper

75 100

110 32.8 16.0 48.0

77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 54.776 ug/l

RT: 7.285 min Scan# 914

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

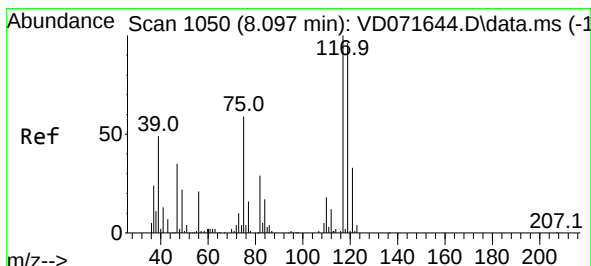
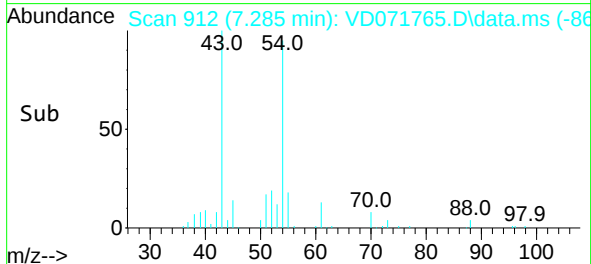
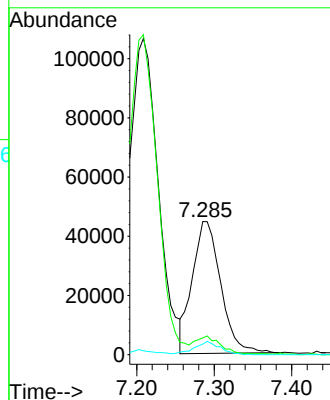
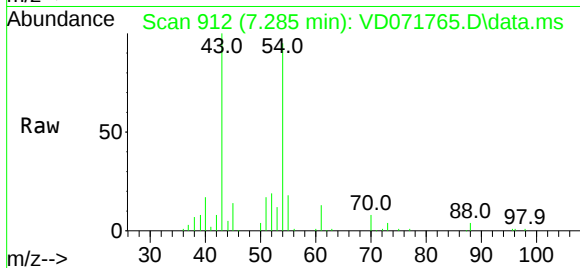
Tgt Ion: 43 Resp: 113792

Ion Ratio Lower Upper

43 100

61 12.1 11.0 16.4

70 9.0 7.4 11.2



#38

Carbon Tetrachloride

Concen: 54.220 ug/l

RT: 8.091 min Scan# 1049

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

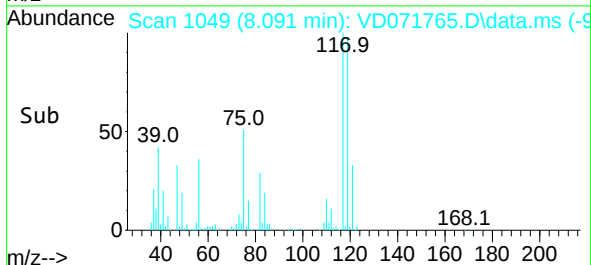
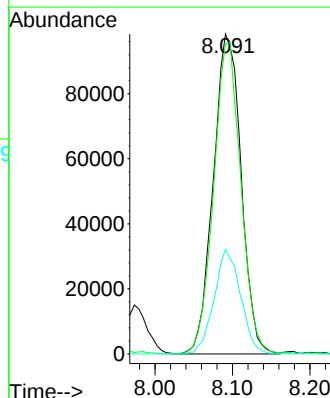
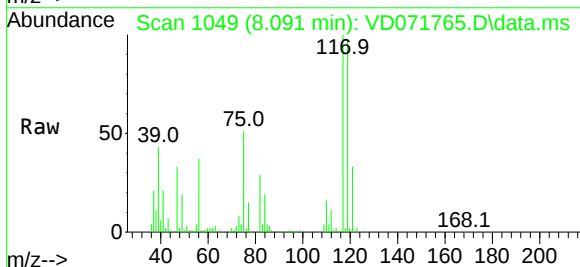
Tgt Ion: 117 Resp: 245775

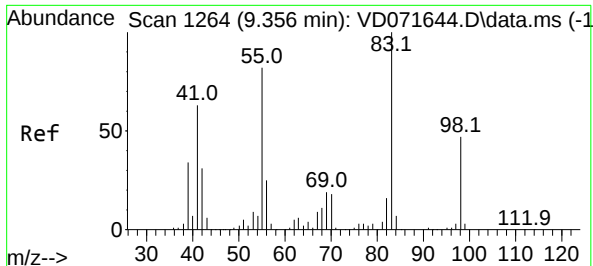
Ion Ratio Lower Upper

117 100

119 96.6 73.4 110.2

121 32.7 23.9 35.9





#39

Methylcyclohexane

Concen: 50.098 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

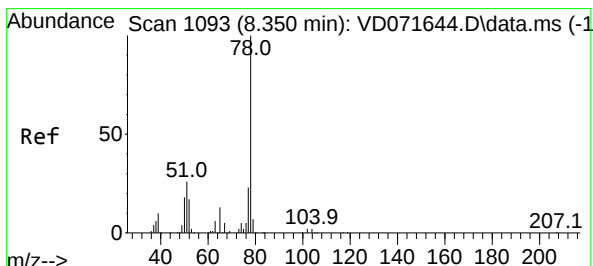
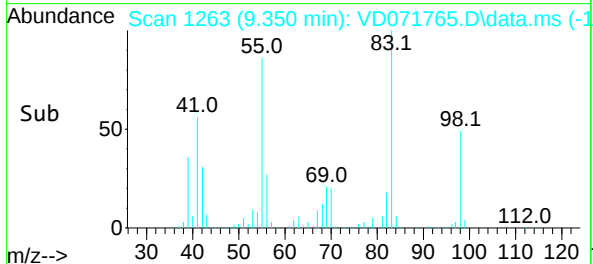
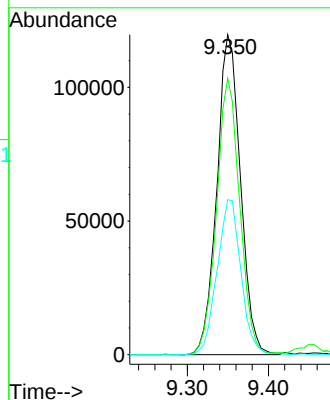
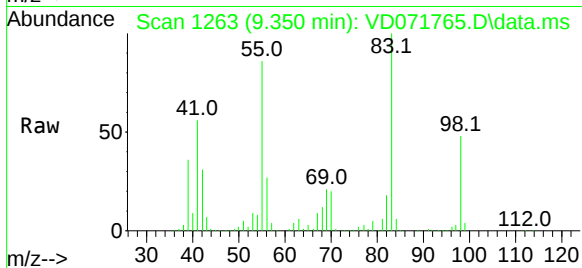
Tgt Ion: 83 Resp: 242211

Ion Ratio Lower Upper

83 100

55 86.3 70.1 105.1

98 48.4 39.2 58.8



#40

Benzene

Concen: 52.056 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.005 min

Lab File: VD071765.D

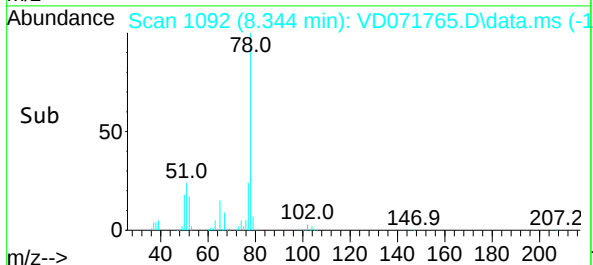
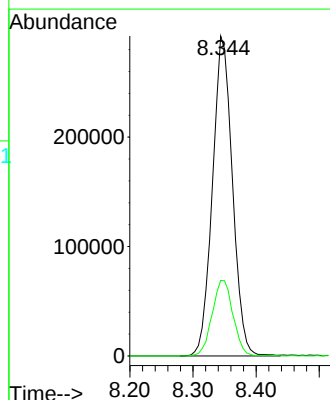
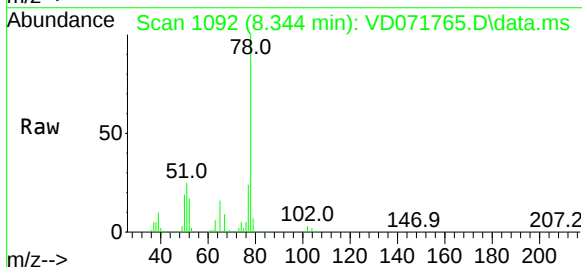
Acq: 20 Jan 2022 17:22

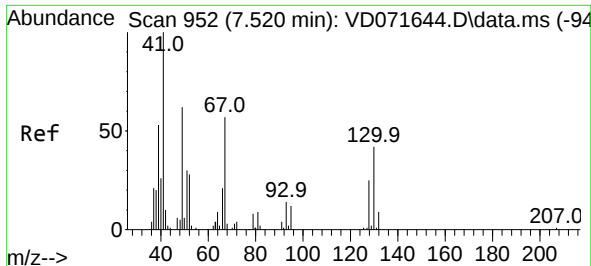
Tgt Ion: 78 Resp: 641985

Ion Ratio Lower Upper

78 100

77 23.6 19.4 29.0

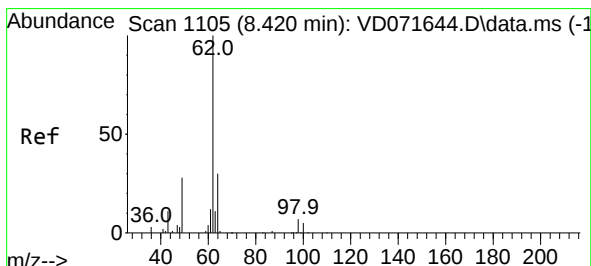
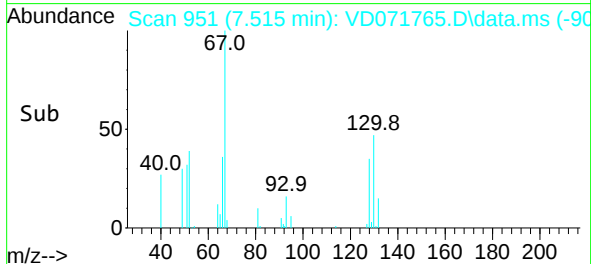
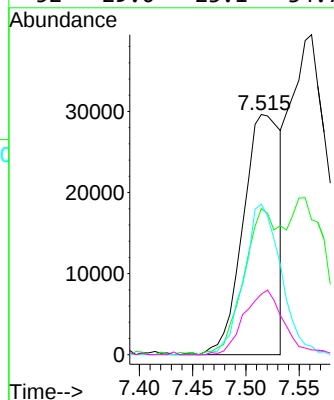
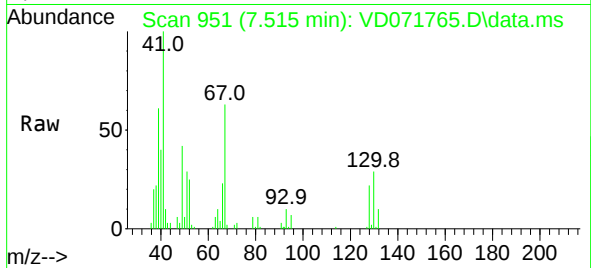




#41  
Methacrylonitrile  
Concen: 55.559 ug/l  
RT: 7.515 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

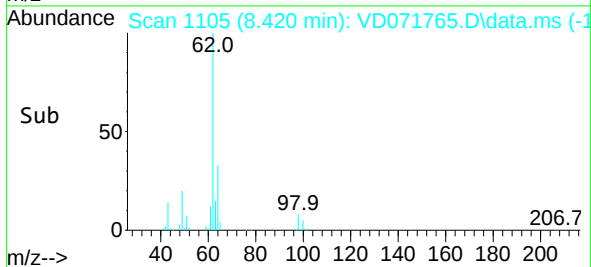
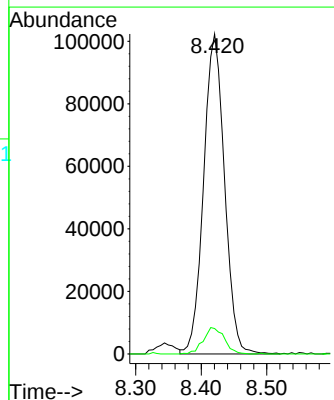
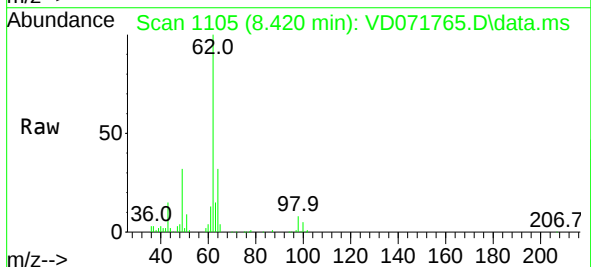
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

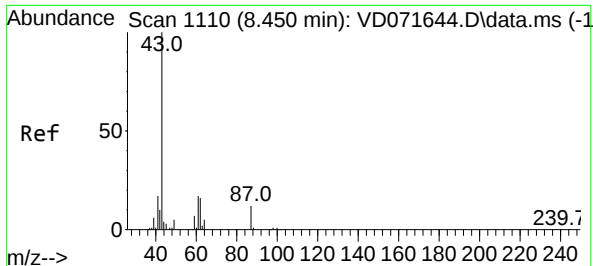
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 71324 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 65.3  | 46.9  | 70.3  |
| 67       | 63.0  | 49.3  | 73.9  |
| 52       | 29.0  | 23.1  | 34.7  |



#42  
1,2-Dichloroethane  
Concen: 54.368 ug/l  
RT: 8.420 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 226968 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.3   | 0.0   | 15.4   |





#43

Isopropyl Acetate

Concen: 58.176 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

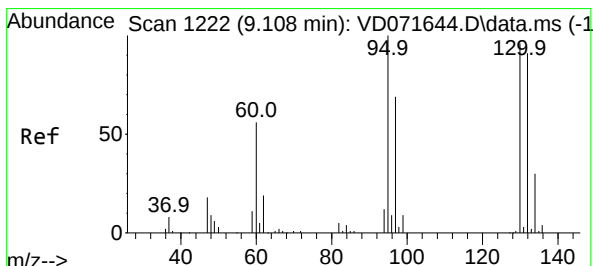
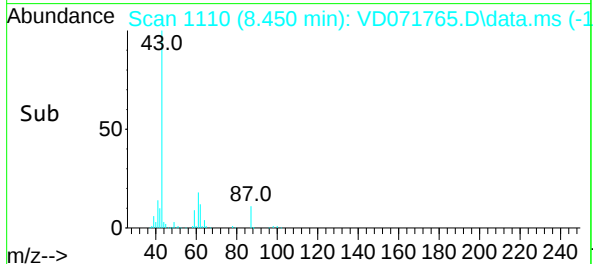
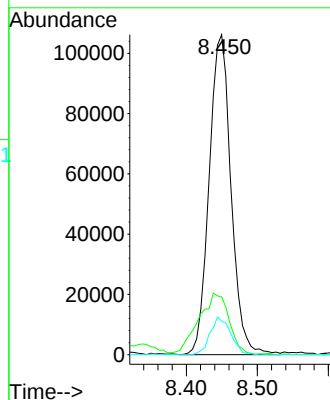
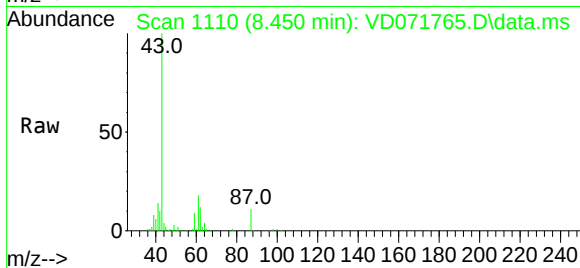
Tgt Ion: 43 Resp: 227496

Ion Ratio Lower Upper

43 100

61 26.3 21.9 32.9

87 11.1 8.9 13.3



#44

Trichloroethene

Concen: 51.031 ug/l

RT: 9.109 min Scan# 1222

Delta R.T. -0.005 min

Lab File: VD071765.D

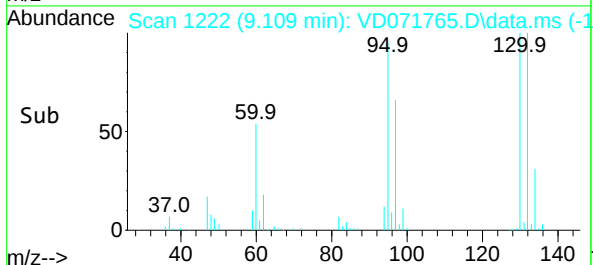
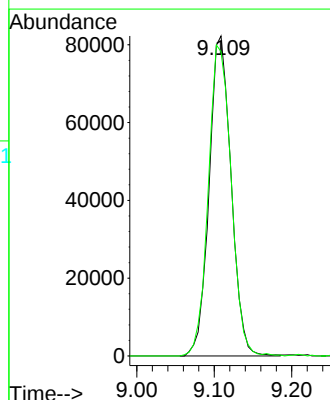
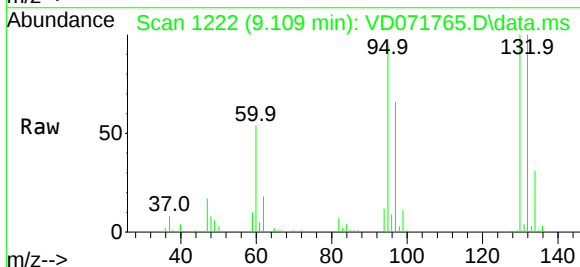
Acq: 20 Jan 2022 17:22

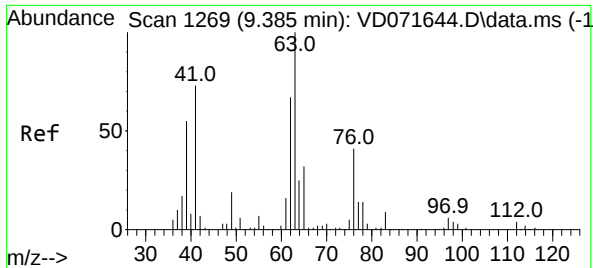
Tgt Ion:130 Resp: 161963

Ion Ratio Lower Upper

130 100

95 95.1 0.0 214.4





#45

1,2-Dichloropropane

Concen: 54.879 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

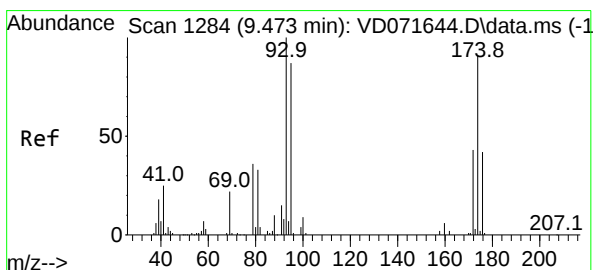
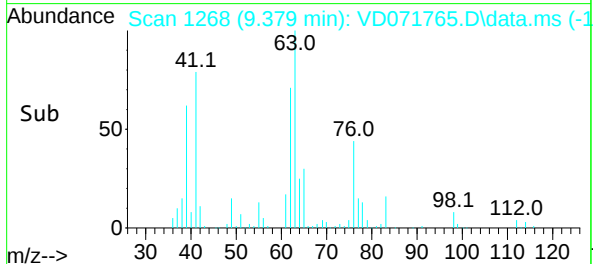
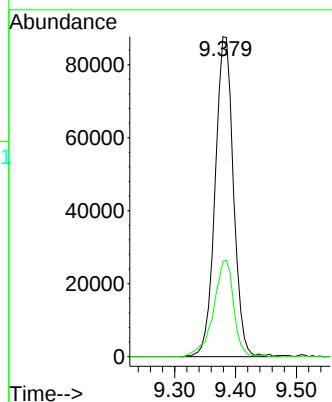
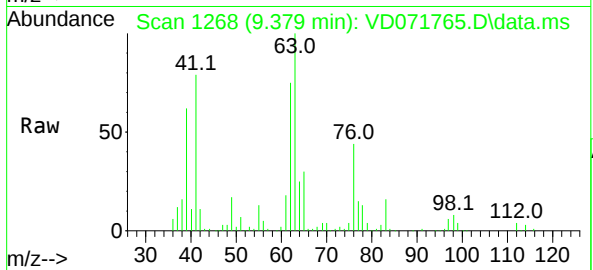
VSTDCCC050EC

Tgt Ion: 63 Resp: 182958

Ion Ratio Lower Upper

63 100

65 29.8 24.7 37.1



#46

Dibromomethane

Concen: 53.458 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

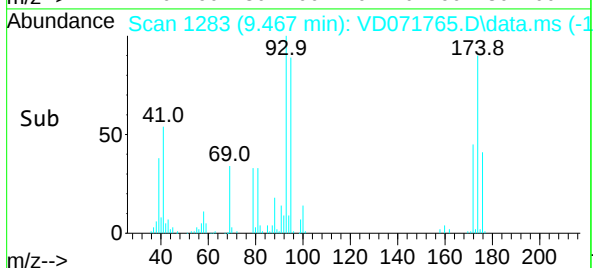
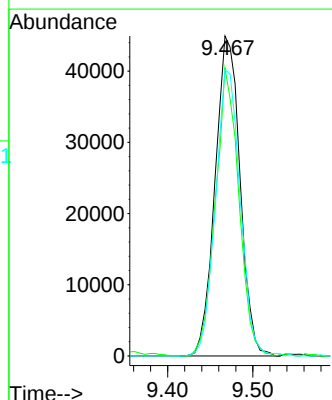
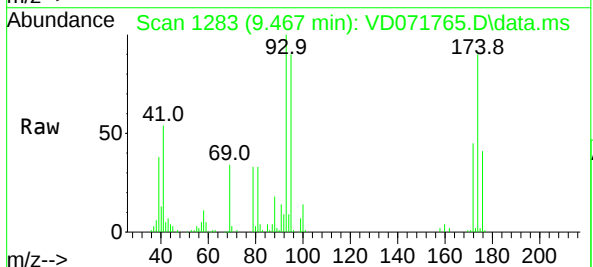
Tgt Ion: 93 Resp: 91221

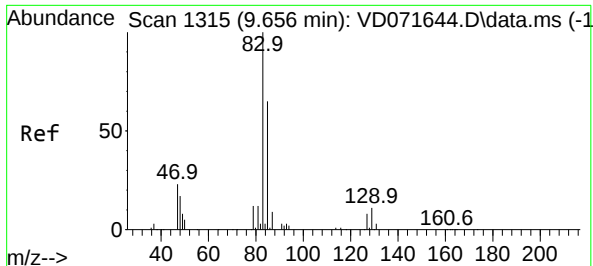
Ion Ratio Lower Upper

93 100

95 84.4 65.1 97.7

174 88.9 68.1 102.1

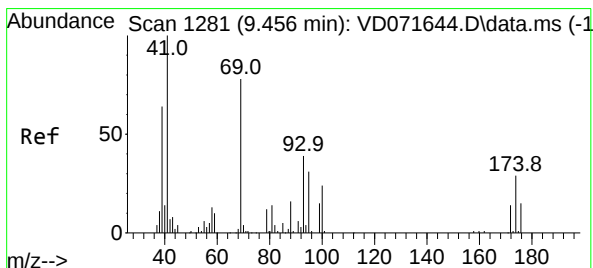
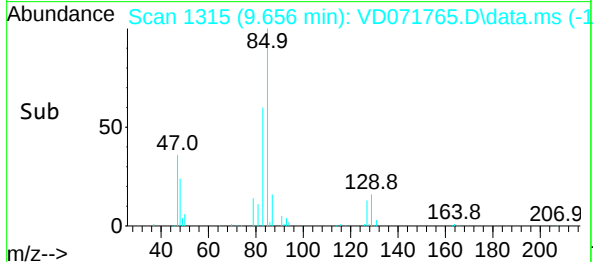
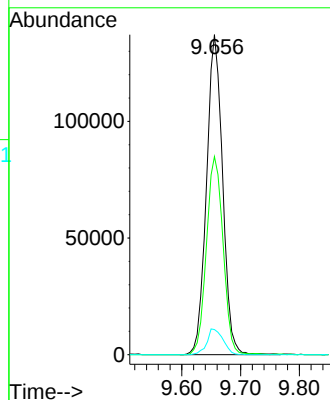
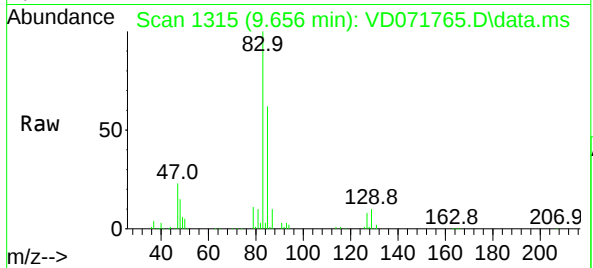




#47  
Bromodichloromethane  
Concen: 55.767 ug/l  
RT: 9.656 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

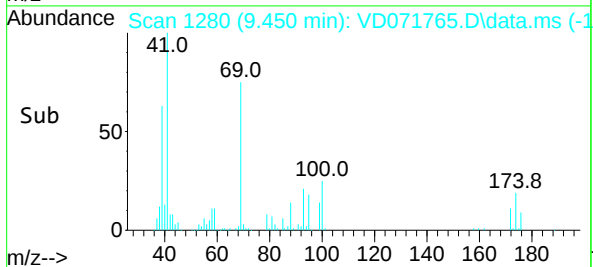
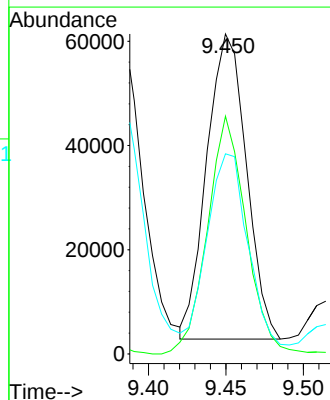
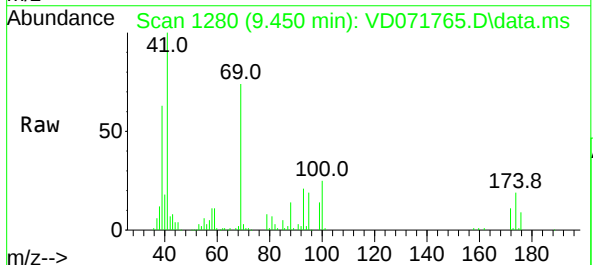
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

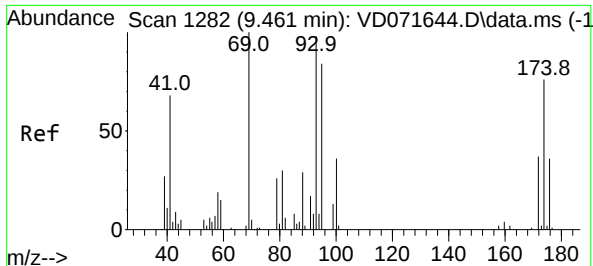
Tgt Ion: 83 Resp: 261263  
Ion Ratio Lower Upper  
83 100  
85 61.9 50.6 75.8  
127 7.8 6.1 9.1



#48  
Methyl methacrylate  
Concen: 52.674 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 41 Resp: 104090  
Ion Ratio Lower Upper  
41 100  
69 76.2 59.5 89.3  
39 70.2 56.0 84.0





#49

1,4-Dioxane

Concen: 1320.691 ug/l

RT: 9.456 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

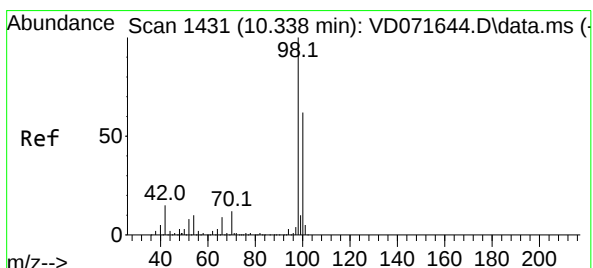
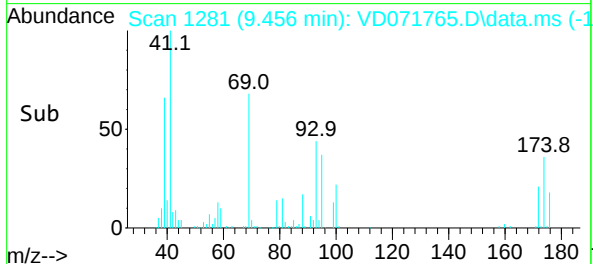
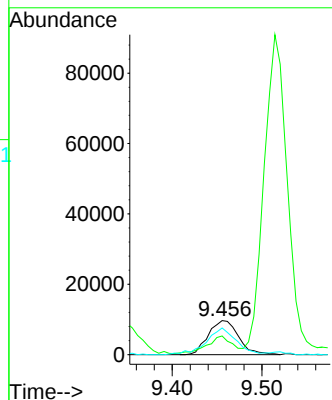
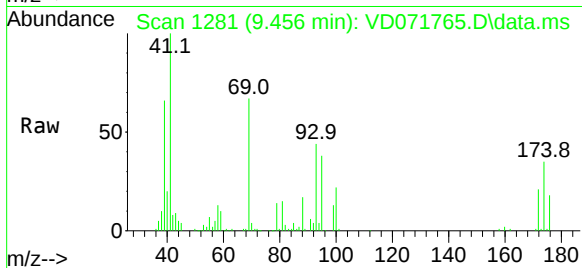
Tgt Ion: 88 Resp: 22594

Ion Ratio Lower Upper

88 100

43 42.9 34.6 52.0

58 77.9 62.0 93.0



#50

Toluene-d8

Concen: 56.873 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.005 min

Lab File: VD071765.D

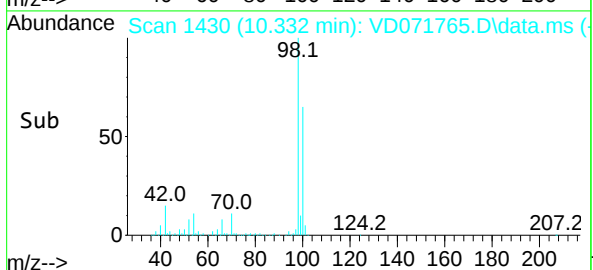
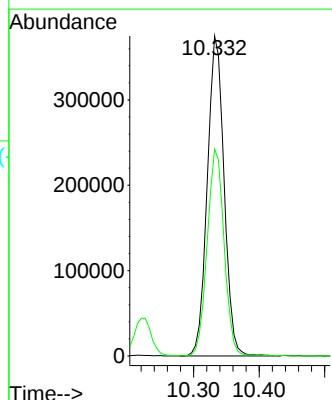
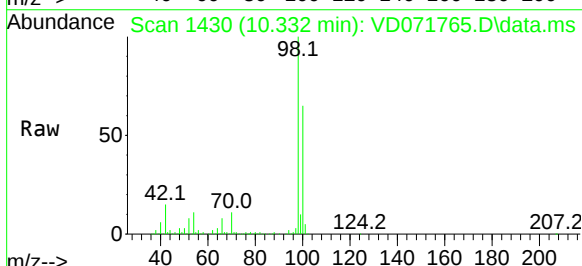
Acq: 20 Jan 2022 17:22

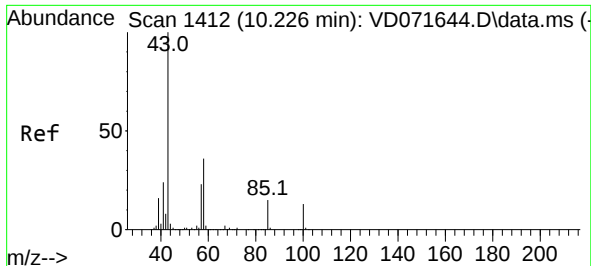
Tgt Ion: 98 Resp: 668035

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1

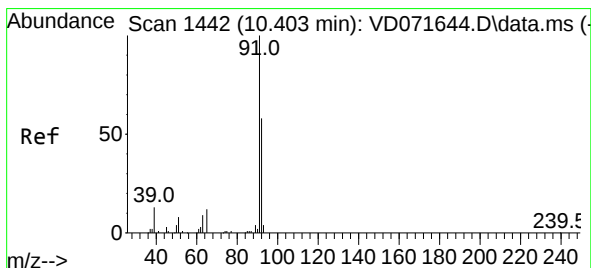
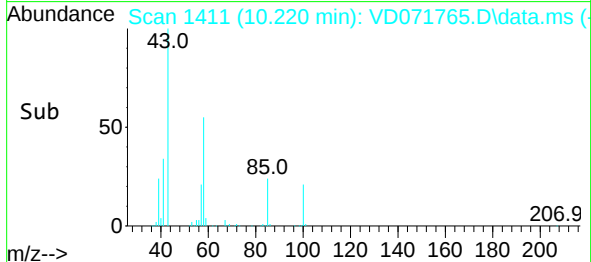
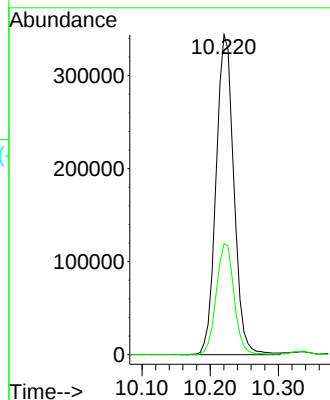
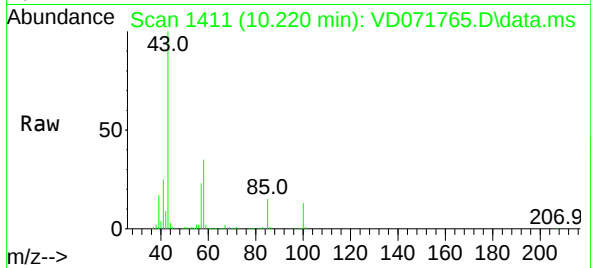




#51  
4-Methyl-2-Pentanone  
Concen: 303.103 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

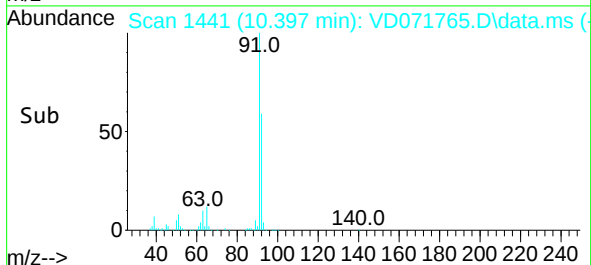
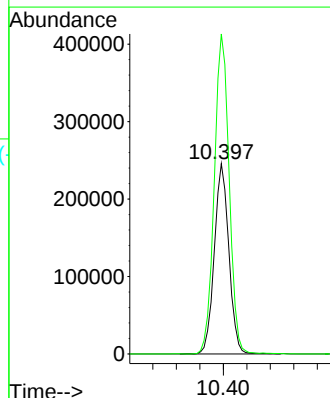
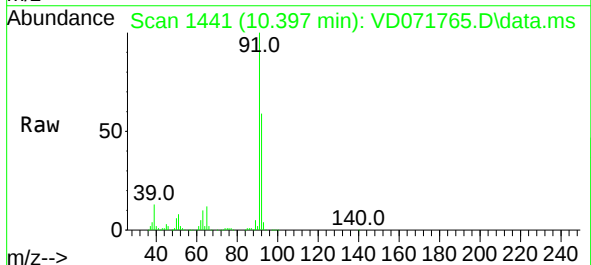
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

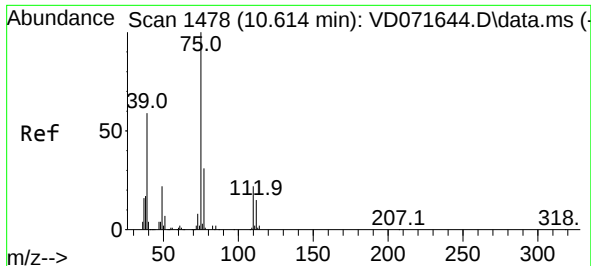
Tgt Ion: 43 Resp: 626086  
Ion Ratio Lower Upper  
43 100  
58 34.8 28.2 42.2



#52  
Toluene  
Concen: 54.336 ug/l  
RT: 10.397 min Scan# 1441  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 92 Resp: 421803  
Ion Ratio Lower Upper  
92 100  
91 171.8 137.3 205.9

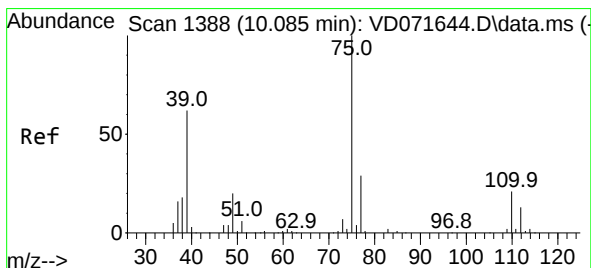
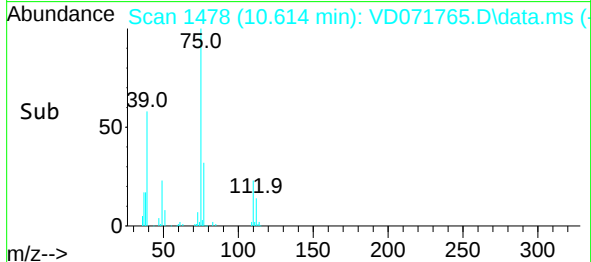
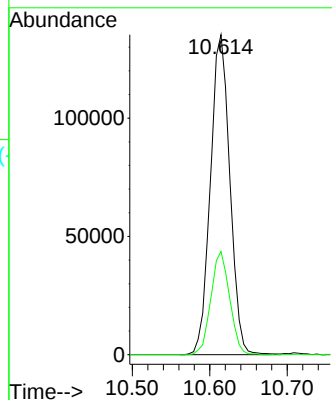
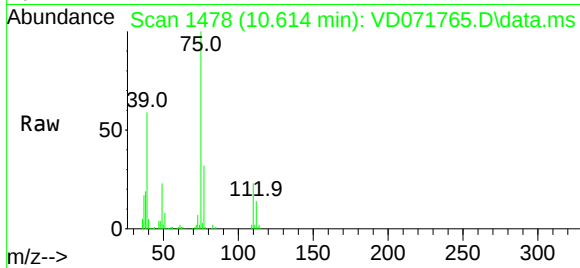




#53  
 t-1,3-Dichloropropene  
 Concen: 57.466 ug/l  
 RT: 10.614 min Scan# 1478  
 Delta R.T. 0.000 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

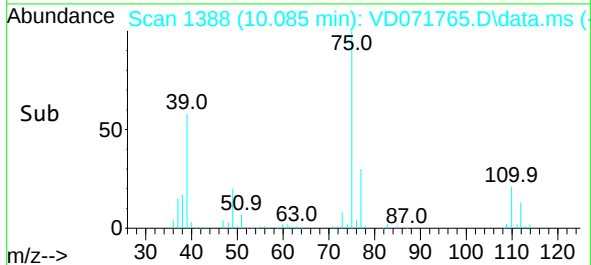
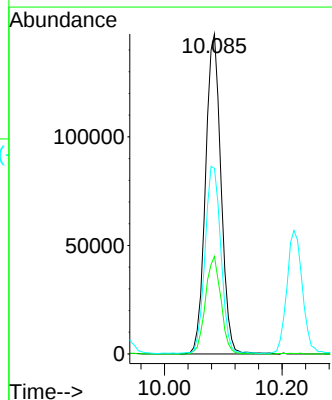
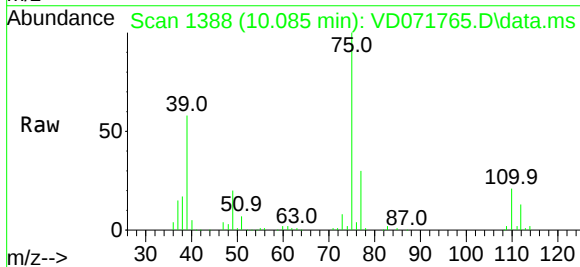
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

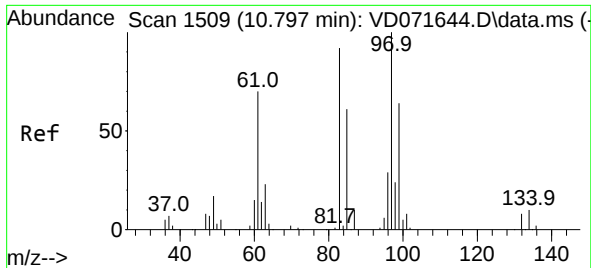
Tgt Ion: 75 Resp: 236167  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 24.2 36.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 55.721 ug/l  
 RT: 10.085 min Scan# 1388  
 Delta R.T. -0.000 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

Tgt Ion: 75 Resp: 270004  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 25.0 37.6  
 39 57.7 49.8 74.8

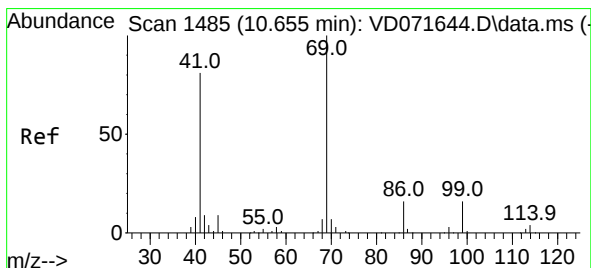
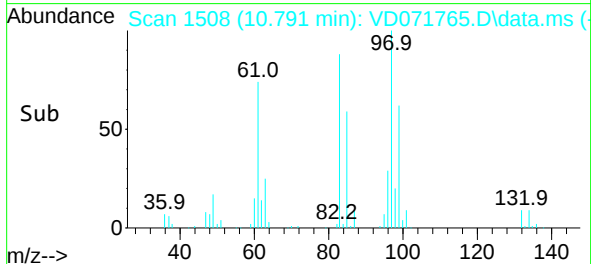
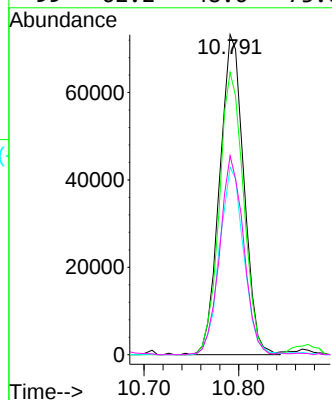
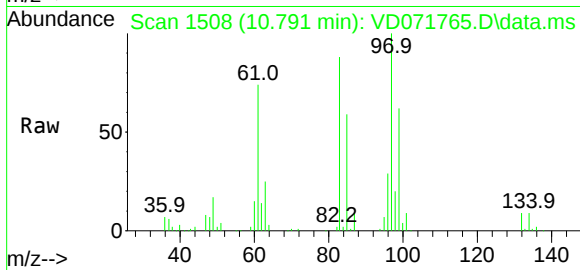




#55  
1,1,2-Trichloroethane  
Concen: 58.184 ug/l  
RT: 10.791 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

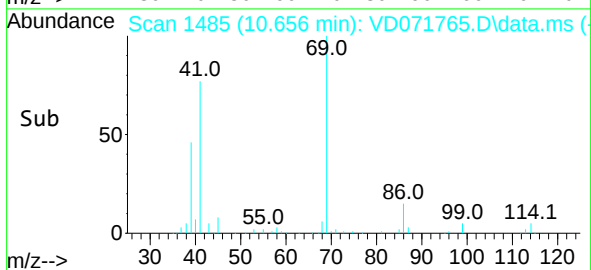
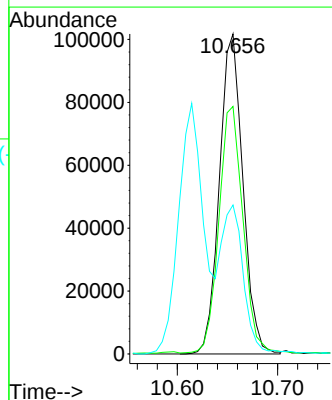
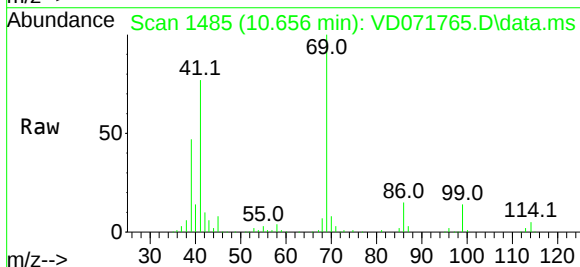
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

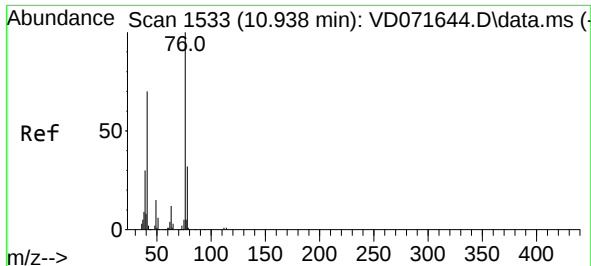
Tgt Ion: 97 Resp: 130158  
Ion Ratio Lower Upper  
97 100  
83 88.3 68.1 102.1  
85 58.6 46.8 70.2  
99 62.2 48.6 73.0



#56  
Ethyl methacrylate  
Concen: 60.189 ug/l  
RT: 10.656 min Scan# 1485  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 69 Resp: 165039  
Ion Ratio Lower Upper  
69 100  
41 79.1 65.8 98.6  
39 43.6 38.7 58.1





#57

1,3-Dichloropropane

Concen: 55.778 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.005 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

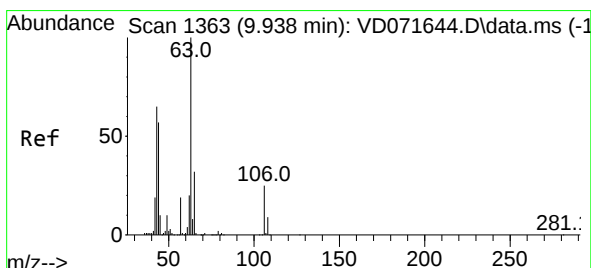
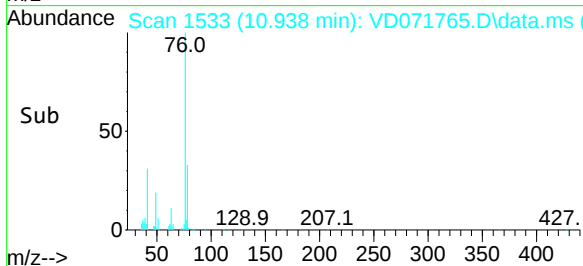
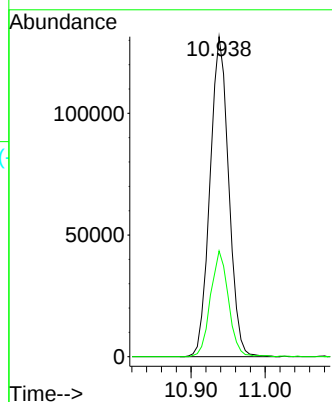
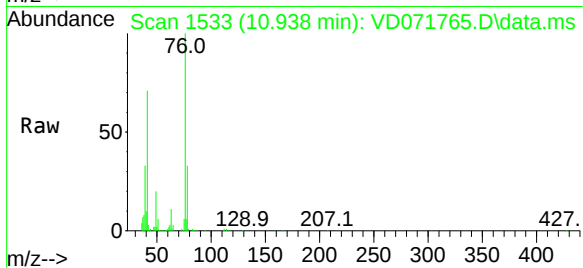
VSTDCCC050EC

Tgt Ion: 76 Resp: 230578

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 275.331 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.005 min

Lab File: VD071765.D

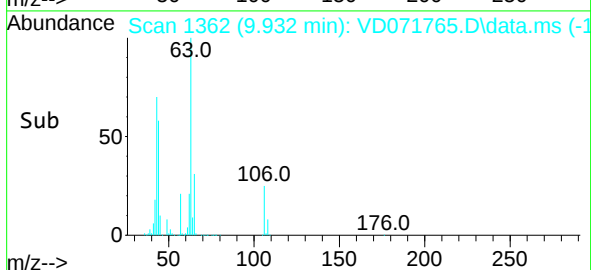
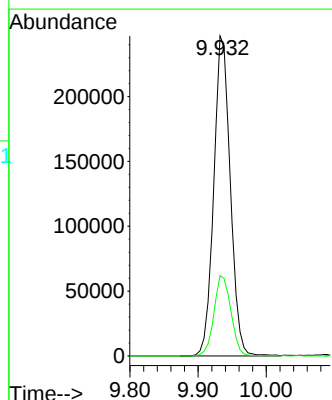
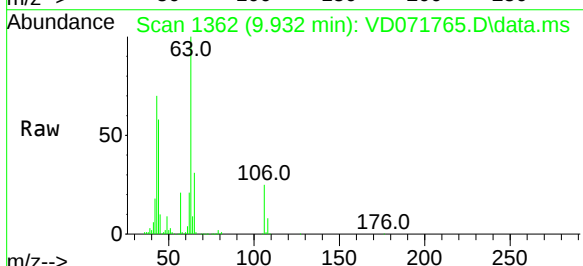
Acq: 20 Jan 2022 17:22

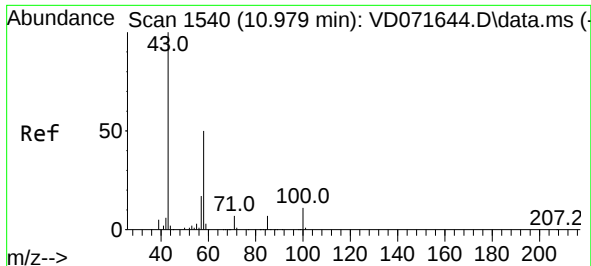
Tgt Ion: 63 Resp: 416772

Ion Ratio Lower Upper

63 100

106 25.7 20.7 31.1

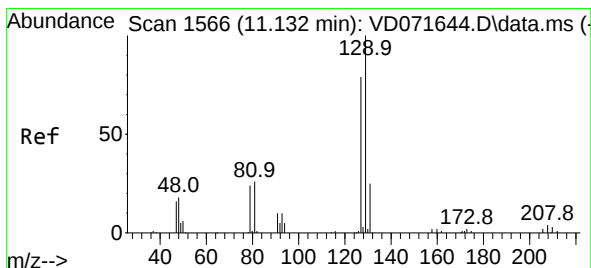
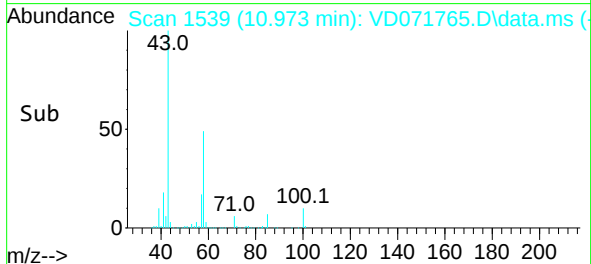
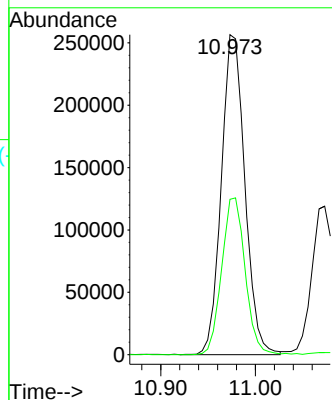
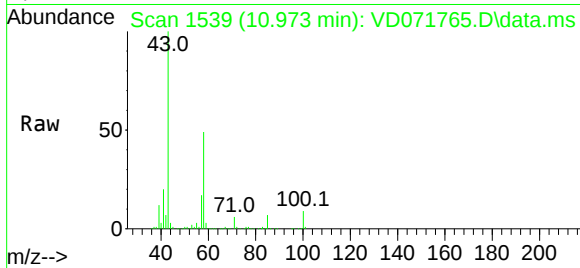




#59  
2-Hexanone  
Concen: 307.797 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

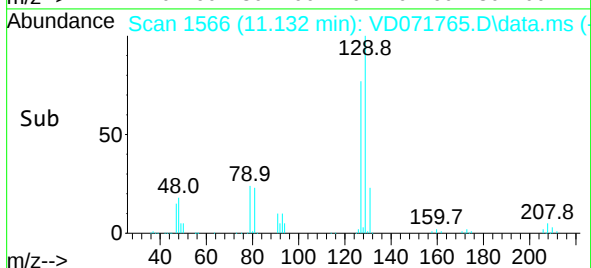
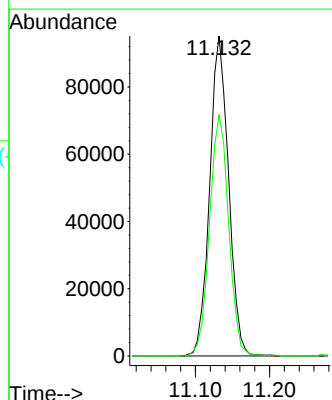
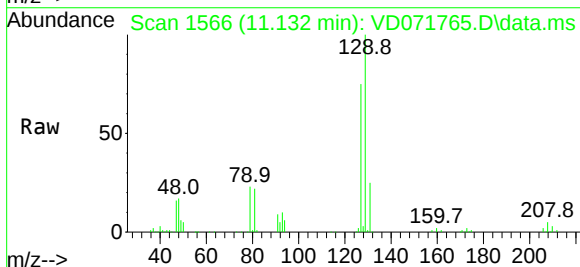
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

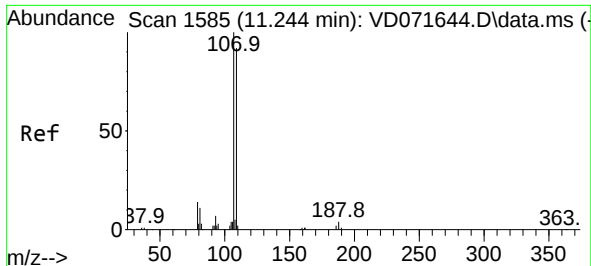
Tgt Ion: 43 Resp: 444060  
Ion Ratio Lower Upper  
43 100  
58 48.9 24.3 72.8



#60  
Dibromochloromethane  
Concen: 59.162 ug/l  
RT: 11.132 min Scan# 1566  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:129 Resp: 168458  
Ion Ratio Lower Upper  
129 100  
127 76.3 39.1 117.3

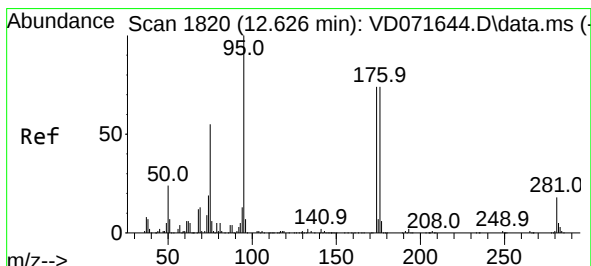
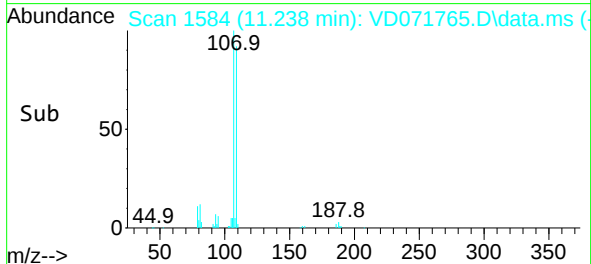
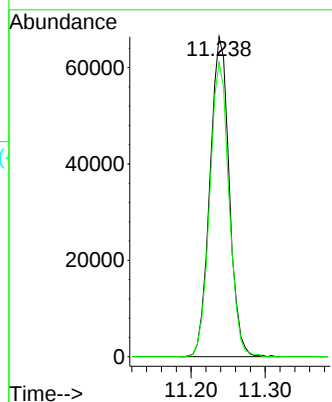
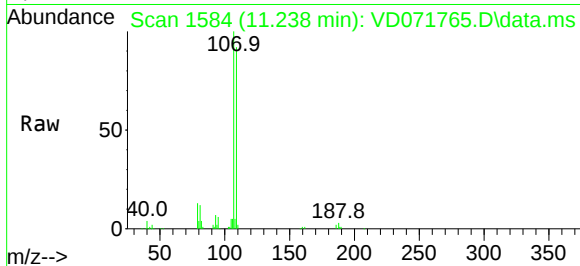




#61  
1,2-Dibromoethane  
Concen: 56.066 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

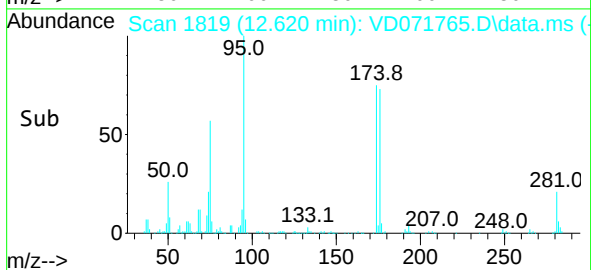
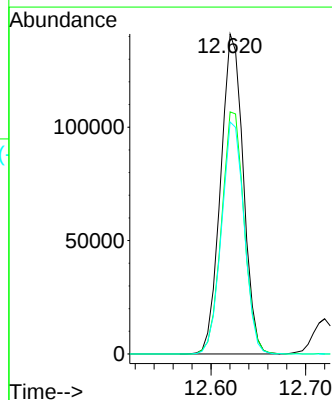
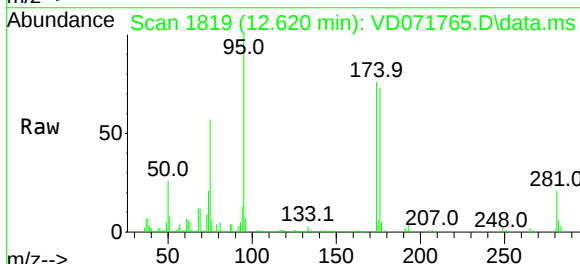
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

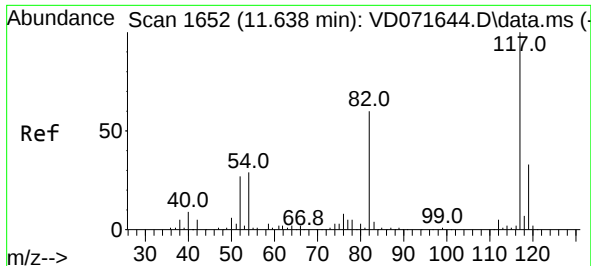
Tgt Ion:107 Resp: 119993  
Ion Ratio Lower Upper  
107 100  
109 91.9 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 56.696 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 95 Resp: 234662  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 150.0  
176 72.3 0.0 146.4

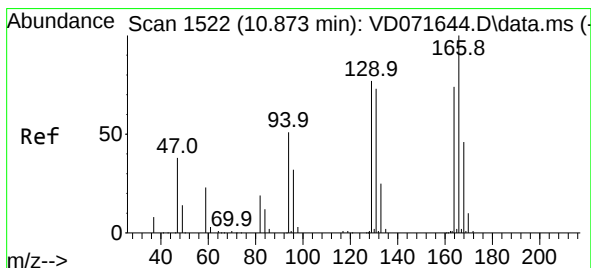
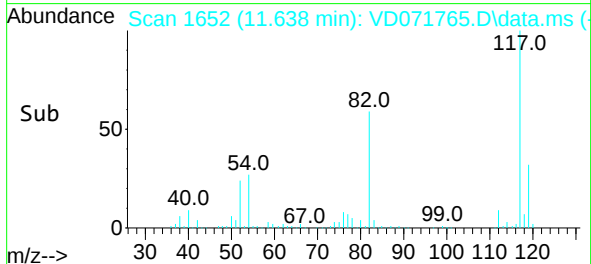
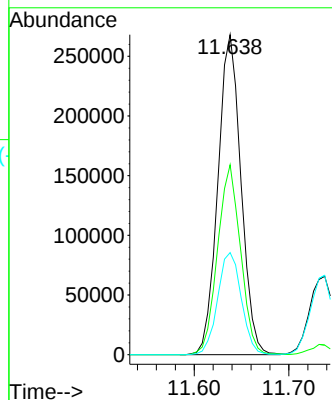
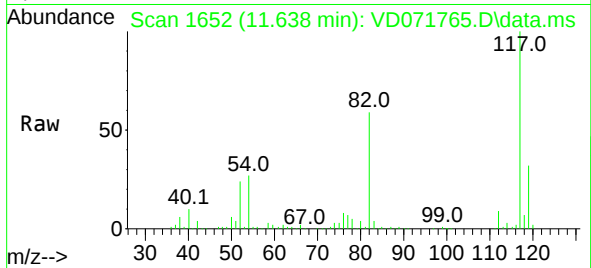




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

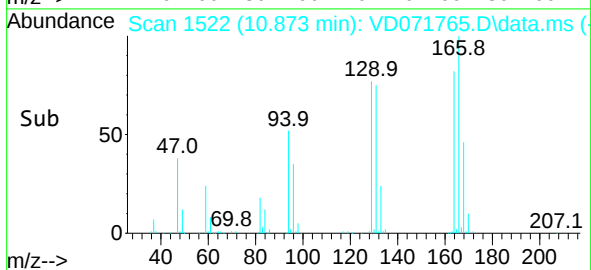
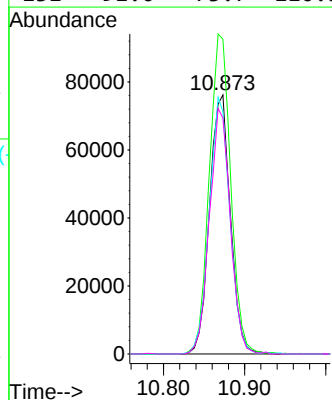
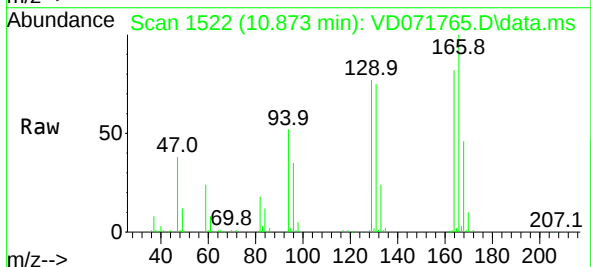
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

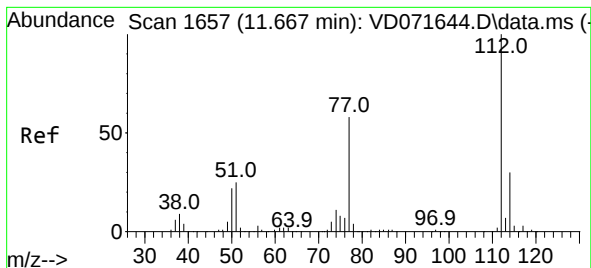
Tgt Ion:117 Resp: 454890  
Ion Ratio Lower Upper  
117 100  
82 59.3 46.9 70.3  
119 31.9 26.6 39.8



#64  
Tetrachloroethene  
Concen: 50.914 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:164 Resp: 136046  
Ion Ratio Lower Upper  
164 100  
166 121.5 100.2 150.2  
129 93.5 82.0 123.0  
131 91.0 73.7 110.5

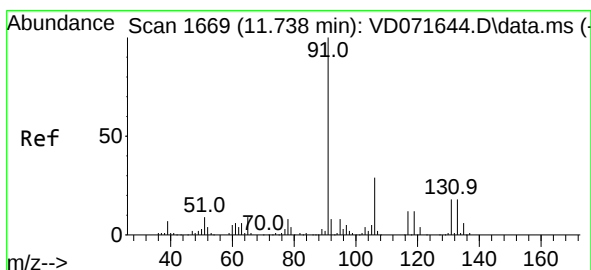
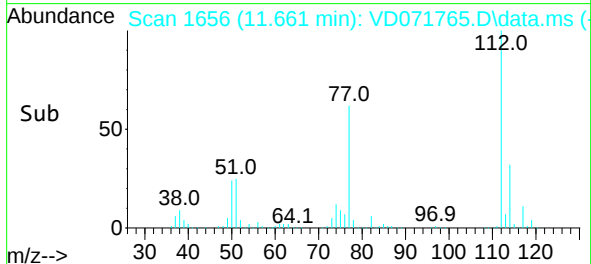
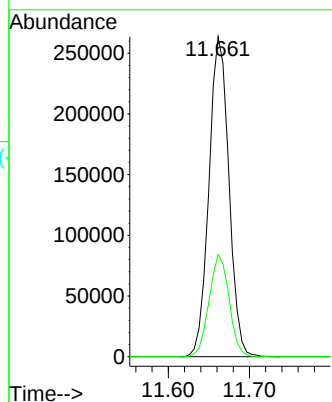
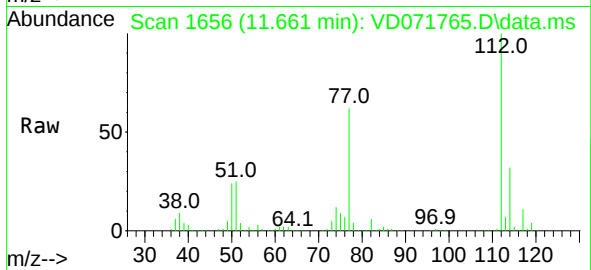




#65  
Chlorobenzene  
Concen: 51.614 ug/l  
RT: 11.661 min Scan# 1656  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

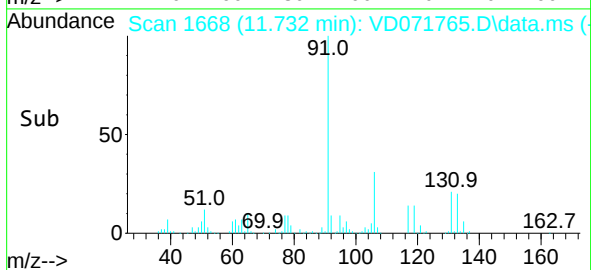
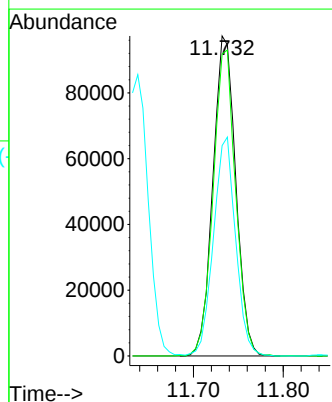
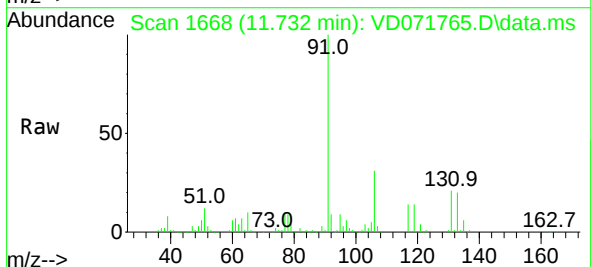
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

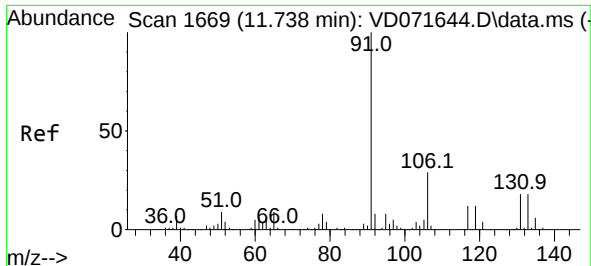
Tgt Ion:112 Resp: 449290  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.2 39.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.009 ug/l  
RT: 11.732 min Scan# 1668  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:131 Resp: 171660  
Ion Ratio Lower Upper  
131 100  
133 94.6 48.1 144.3  
119 66.6 33.8 101.4

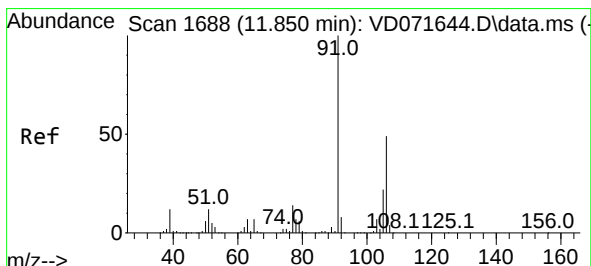
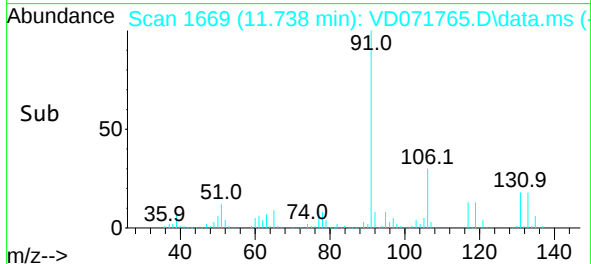
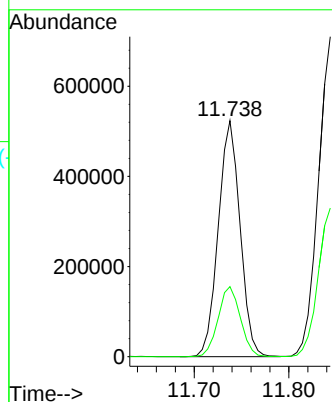
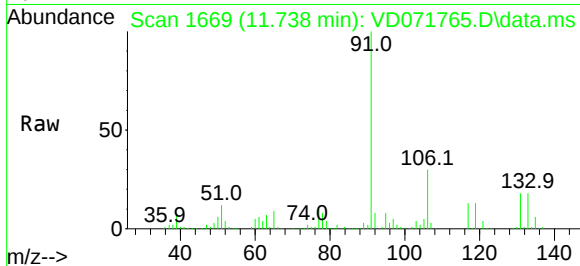




#67  
Ethyl Benzene  
Concen: 52.406 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

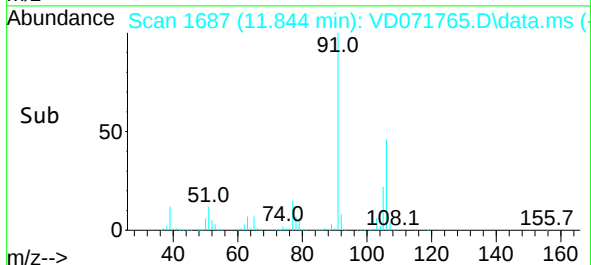
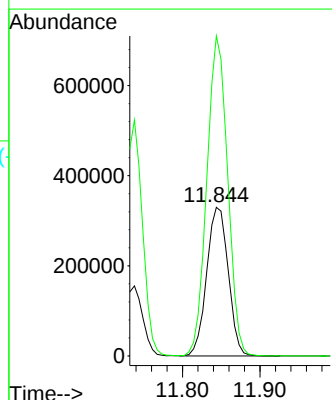
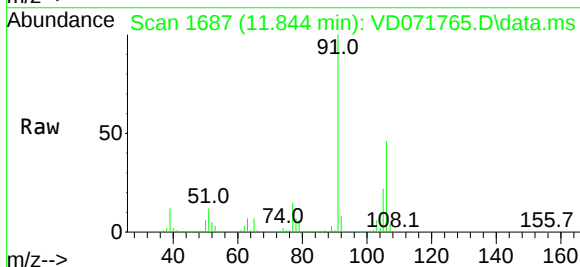
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

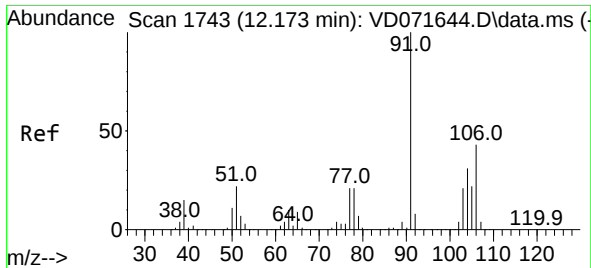
Tgt Ion: 91 Resp: 837479  
Ion Ratio Lower Upper  
91 100  
106 29.7 23.6 35.4



#68  
m/p-Xylenes  
Concen: 107.217 ug/l  
RT: 11.844 min Scan# 1687  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 106 Resp: 637249  
Ion Ratio Lower Upper  
106 100  
91 208.1 168.6 252.8

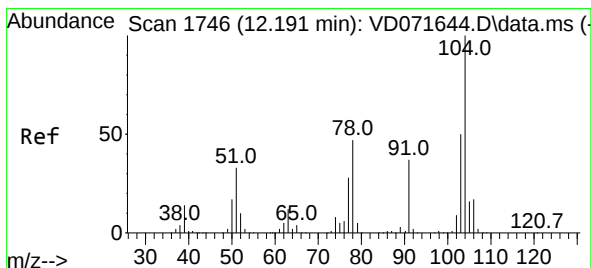
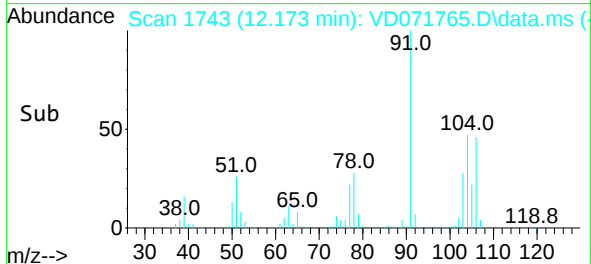
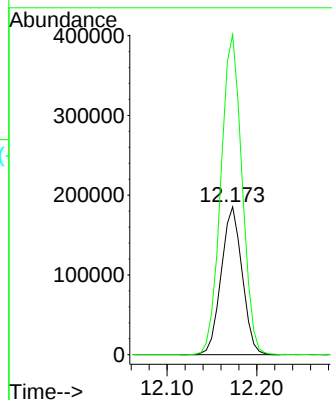
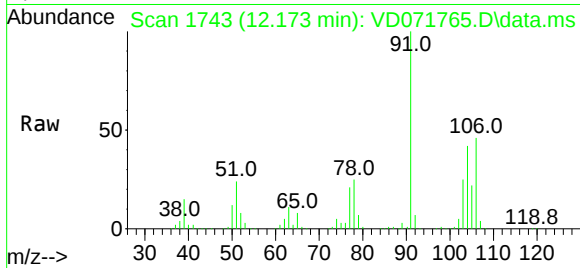




#69  
o-Xylene  
Concen: 53.243 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

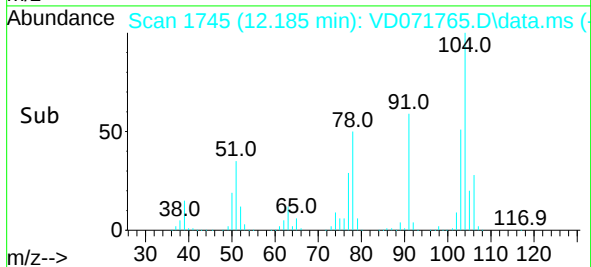
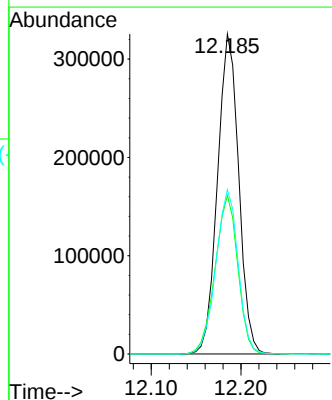
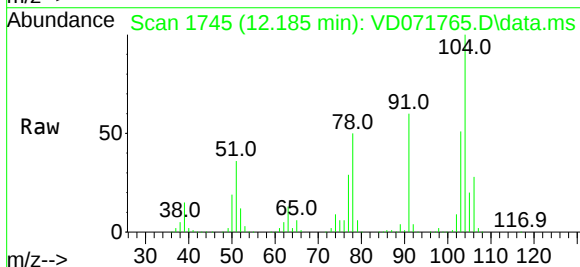
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

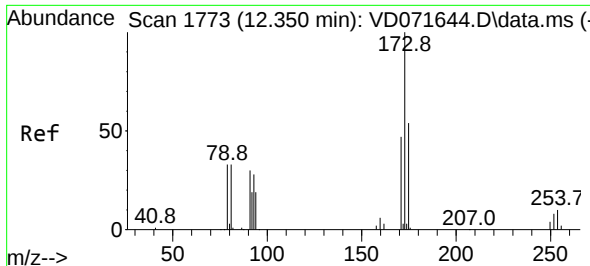
Tgt Ion:106 Resp: 299524  
Ion Ratio Lower Upper  
106 100  
91 219.6 110.9 332.9



#70  
Styrene  
Concen: 55.422 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:104 Resp: 534400  
Ion Ratio Lower Upper  
104 100  
78 52.8 42.8 64.2  
103 54.1 43.6 65.4

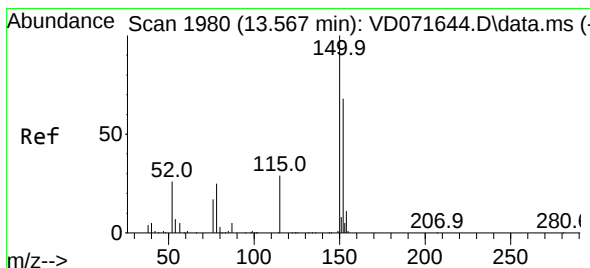
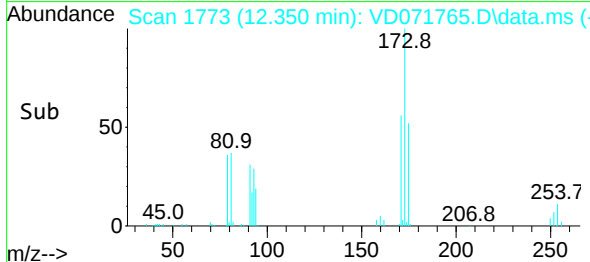
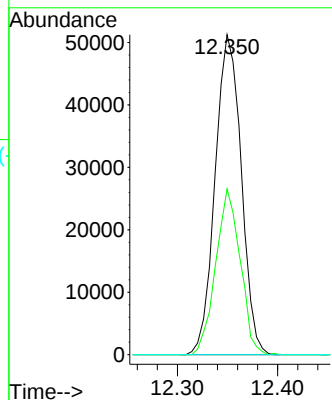
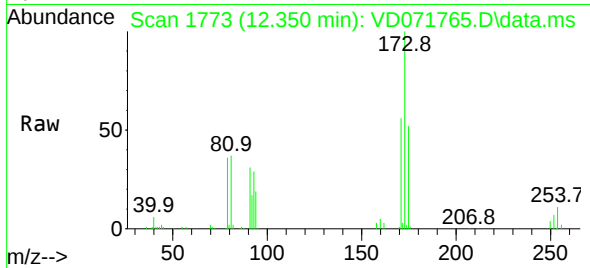




#71  
Bromoform  
Concen: 57.408 ug/l  
RT: 12.350 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

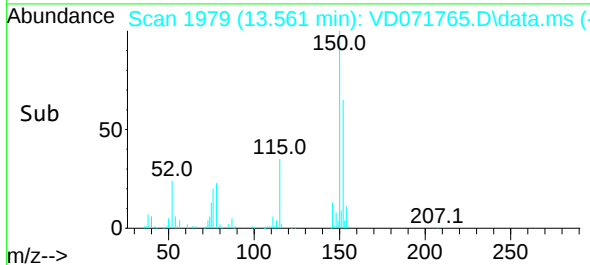
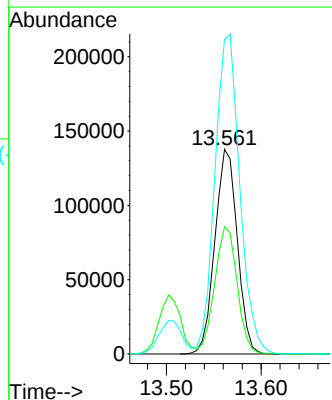
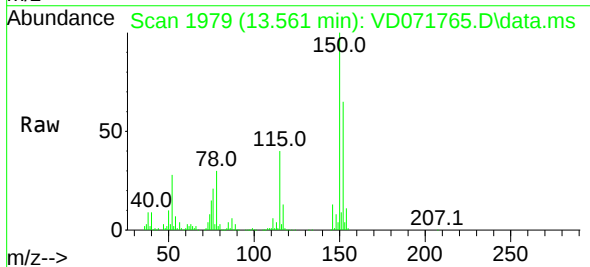
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

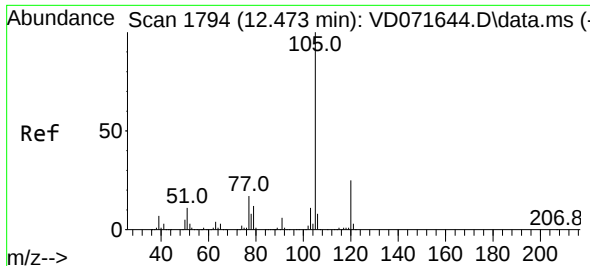
Tgt Ion:173 Resp: 92520  
Ion Ratio Lower Upper  
173 100  
175 48.7 24.4 73.2  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:152 Resp: 226397  
Ion Ratio Lower Upper  
152 100  
115 62.3 31.5 94.5  
150 174.0 0.0 348.0

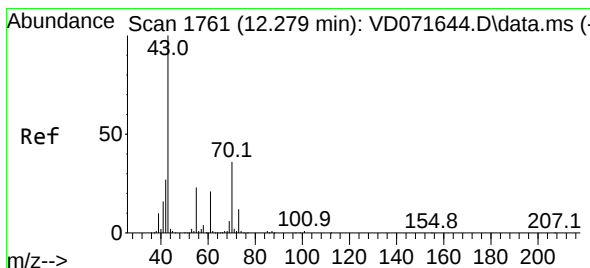
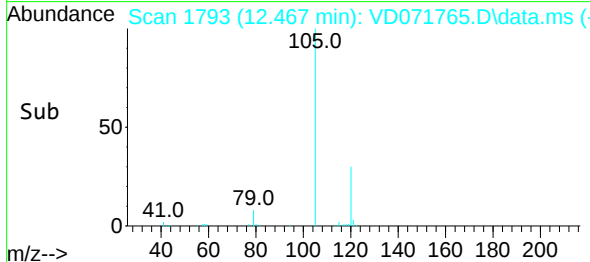
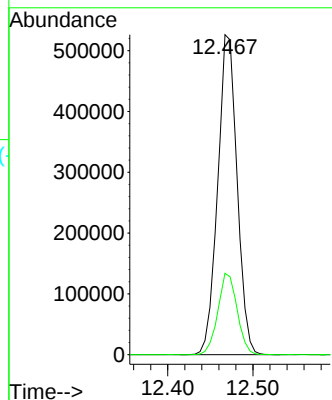
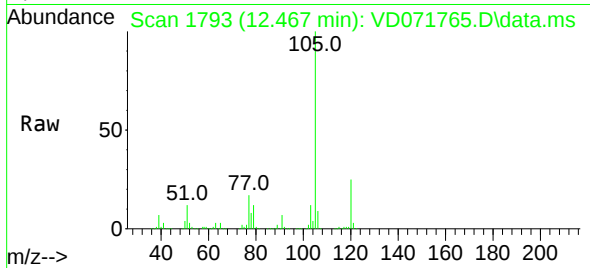




#73  
Isopropylbenzene  
Concen: 51.182 ug/l  
RT: 12.467 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

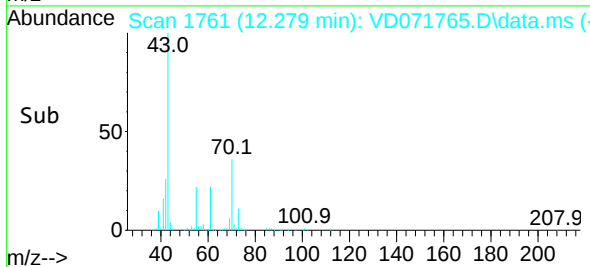
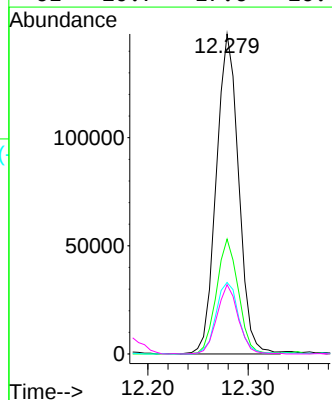
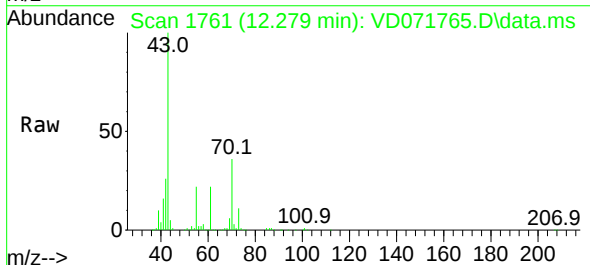
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ClientSampleId :  
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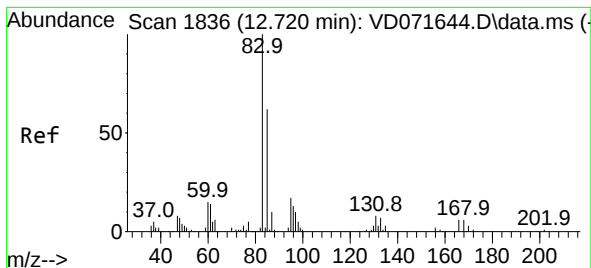
Tgt Ion:105 Resp: 832718  
Ion Ratio Lower Upper  
105 100  
120 25.3 12.5 37.5



#74  
N-ethyl acetate  
Concen: 57.384 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 43 Resp: 229013  
Ion Ratio Lower Upper  
43 100  
70 35.3 29.5 44.3  
55 22.9 19.1 28.7  
61 20.7 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.227 ug/l

RT: 12.720 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

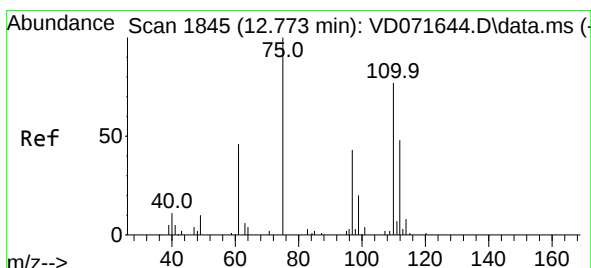
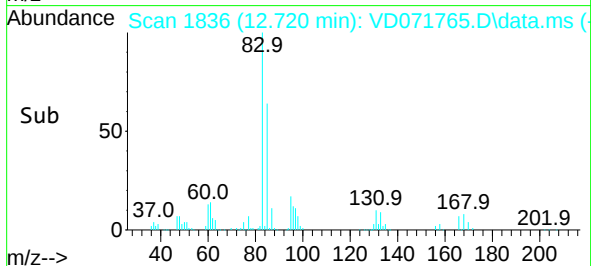
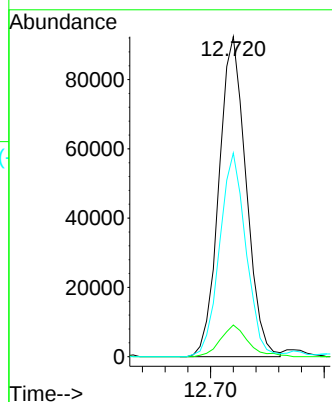
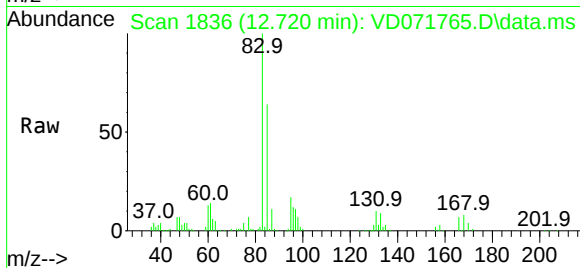
Tgt Ion: 83 Resp: 153454

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

85 61.9 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 95.233 ug/l

RT: 12.773 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VD071765.D

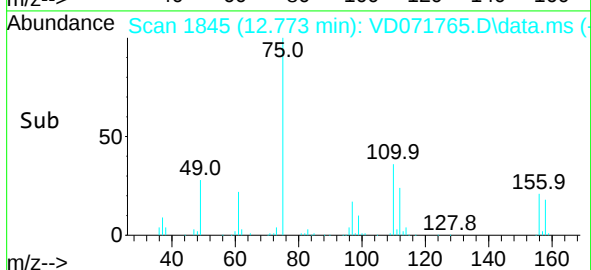
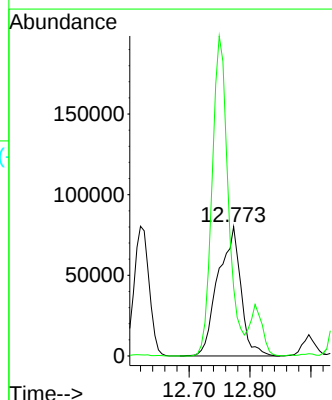
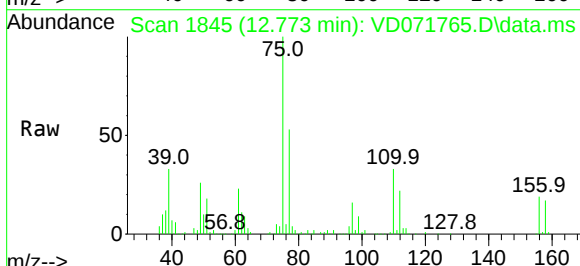
Acq: 20 Jan 2022 17:22

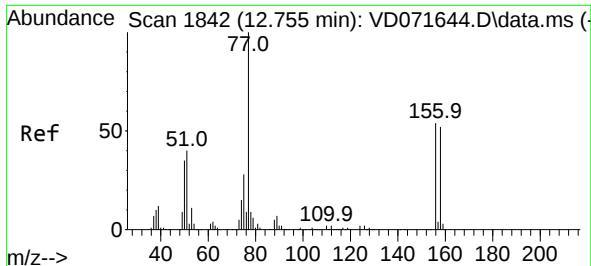
Tgt Ion: 75 Resp: 208334

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

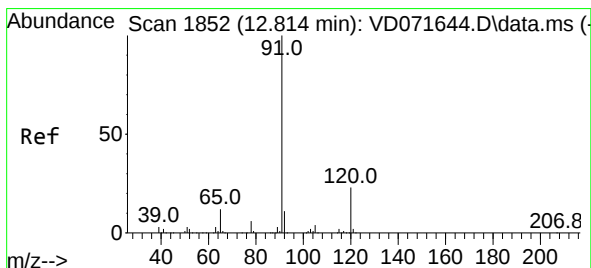
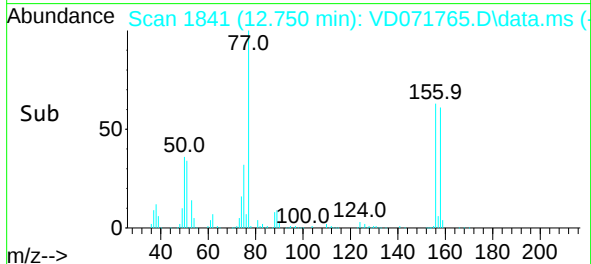
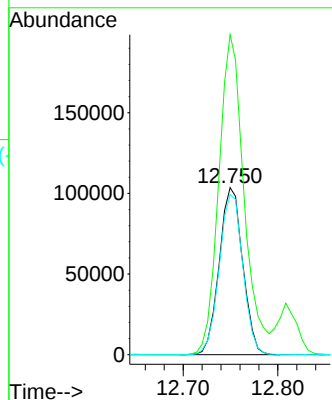
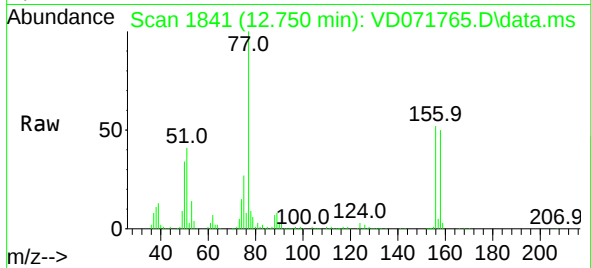




#77  
Bromobenzene  
Concen: 50.776 ug/l  
RT: 12.750 min Scan# 1841  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

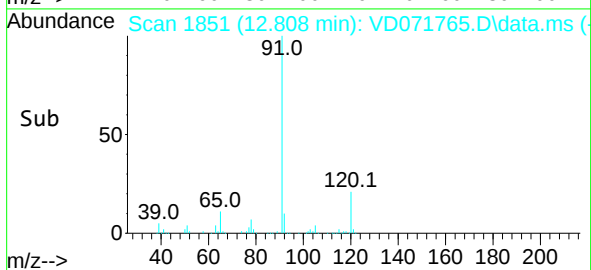
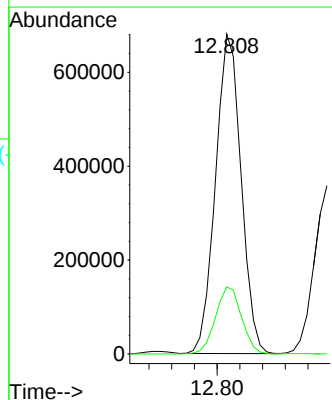
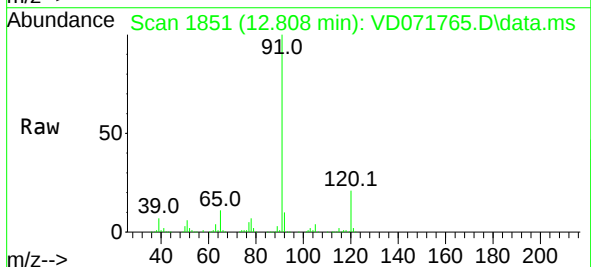
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

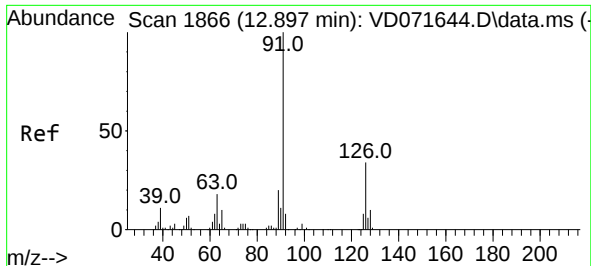
Tgt Ion:156 Resp: 178447  
Ion Ratio Lower Upper  
156 100  
77 205.5 101.4 304.2  
158 96.4 46.8 140.3



#78  
n-propylbenzene  
Concen: 51.931 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 91 Resp: 1062599  
Ion Ratio Lower Upper  
91 100  
120 21.3 10.9 32.7

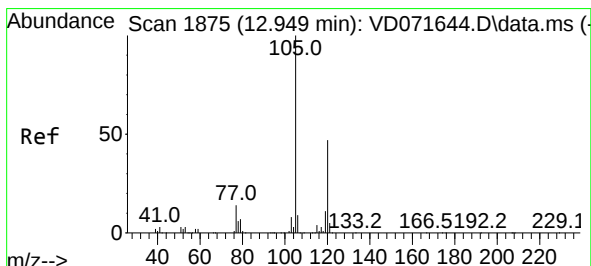
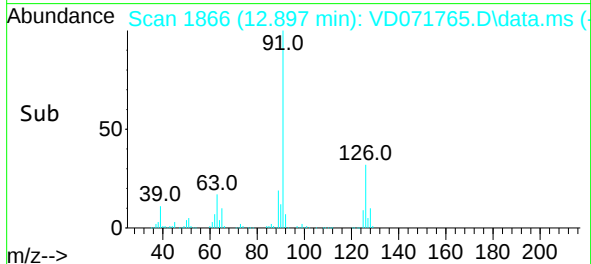
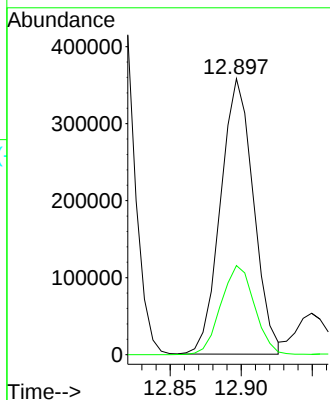
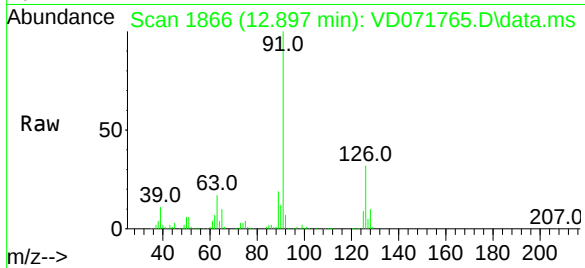




#79  
2-Chlorotoluene  
Concen: 50.067 ug/l  
RT: 12.897 min Scan# 1866  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

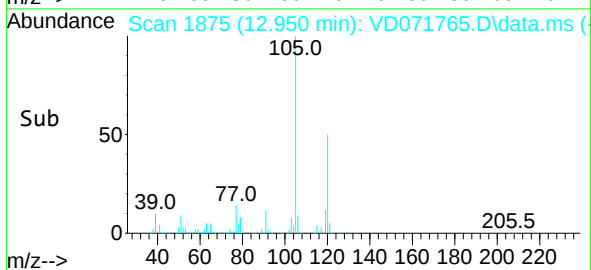
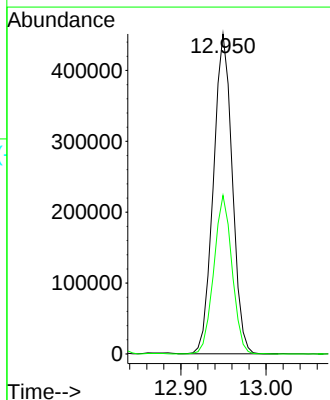
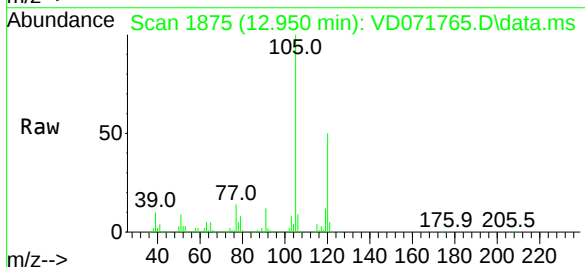
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

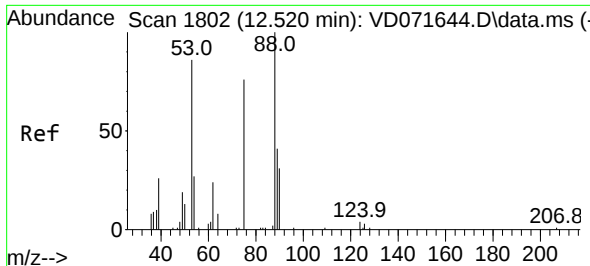
Tgt Ion: 91 Resp: 577402  
Ion Ratio Lower Upper  
91 100  
126 32.9 16.7 50.0



#80  
1,3,5-Trimethylbenzene  
Concen: 51.032 ug/l  
RT: 12.950 min Scan# 1875  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 105 Resp: 693717  
Ion Ratio Lower Upper  
105 100  
120 48.0 24.2 72.6

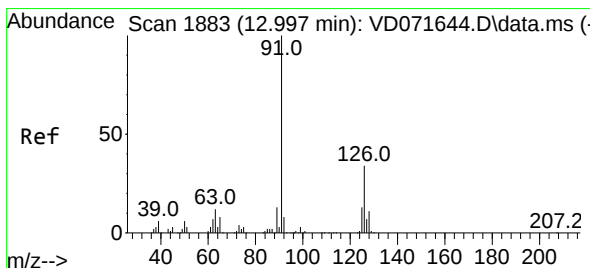
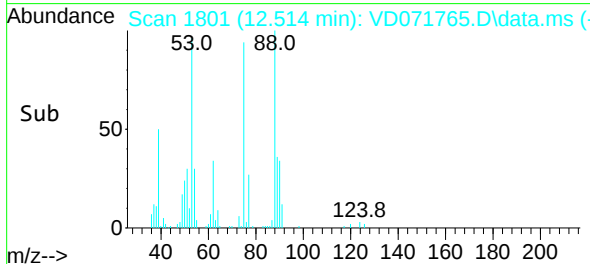
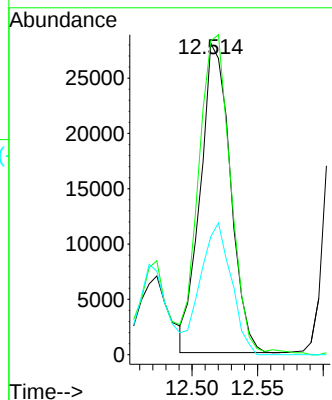
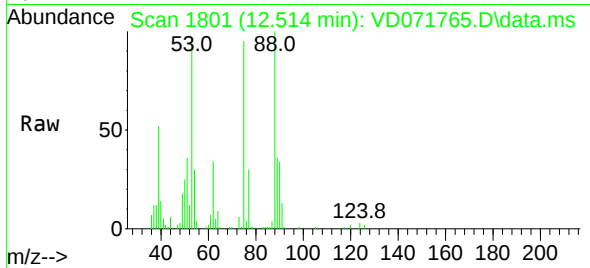




#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.836 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

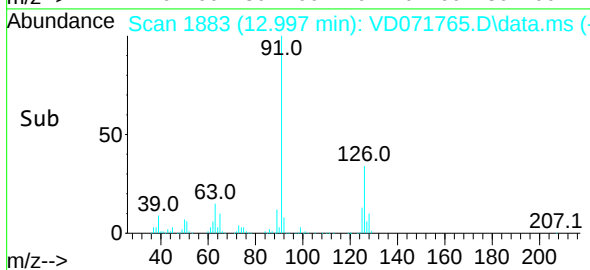
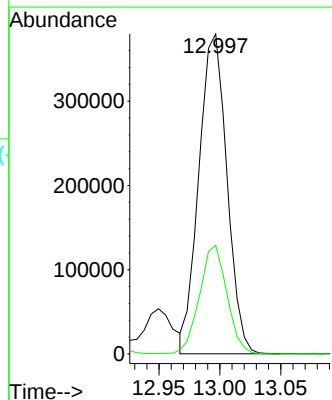
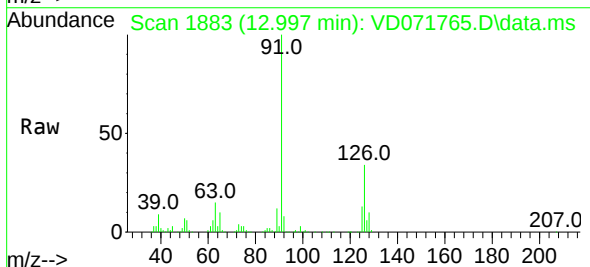
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

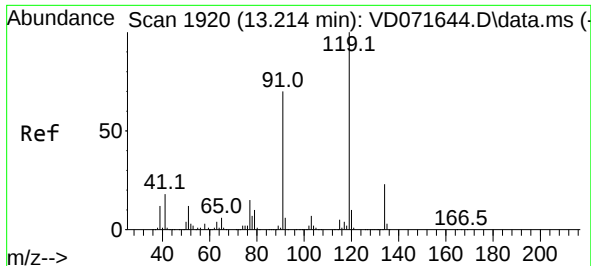
Tgt Ion: 75 Resp: 44599  
Ion Ratio Lower Upper  
75 100  
53 110.2 95.4 143.0  
89 44.0 37.2 55.8



#82  
4-Chlorotoluene  
Concen: 50.865 ug/l  
RT: 12.997 min Scan# 1883  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 91 Resp: 608572  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.1 48.3

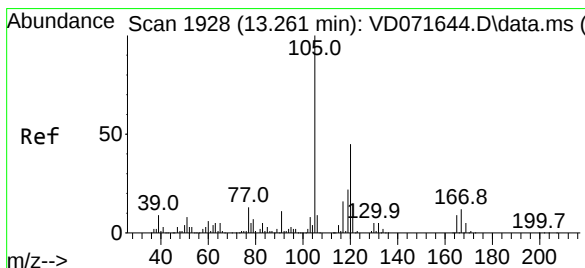
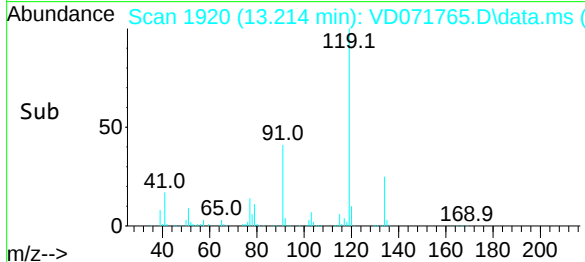
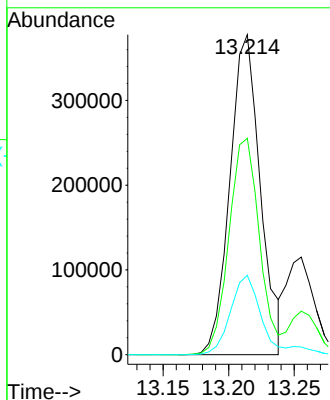
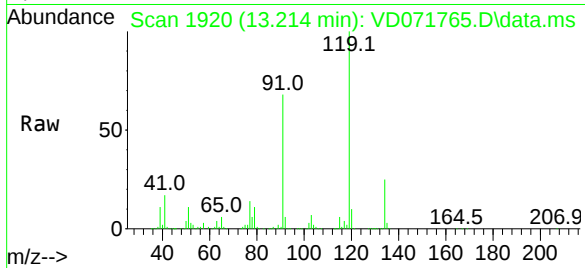




#83  
tert-Butylbenzene  
Concen: 52.682 ug/l  
RT: 13.214 min Scan# 1920  
Delta R.T. 0.000 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

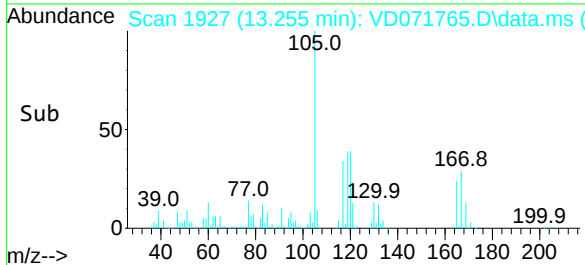
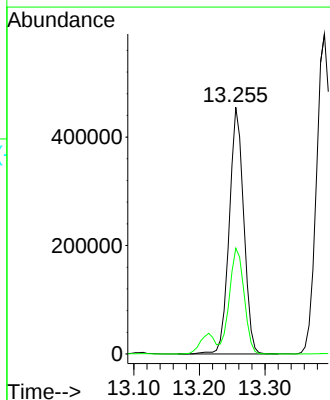
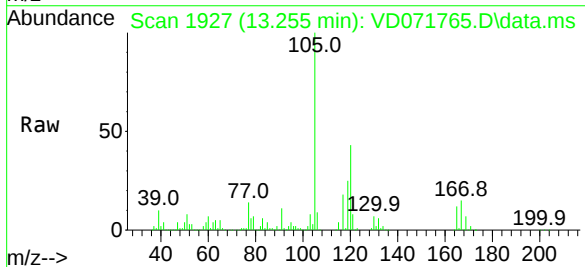
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

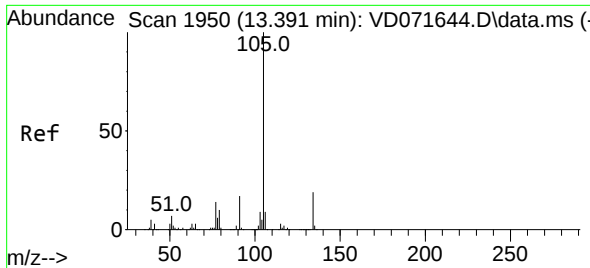
Tgt Ion:119 Resp: 611948  
Ion Ratio Lower Upper  
119 100  
91 67.4 35.6 106.8  
134 24.2 13.5 40.5



#84  
1,2,4-Trimethylbenzene  
Concen: 51.842 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. -0.006 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:105 Resp: 696927  
Ion Ratio Lower Upper  
105 100  
120 44.1 22.3 66.9

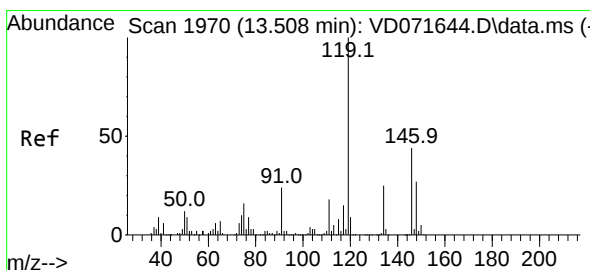
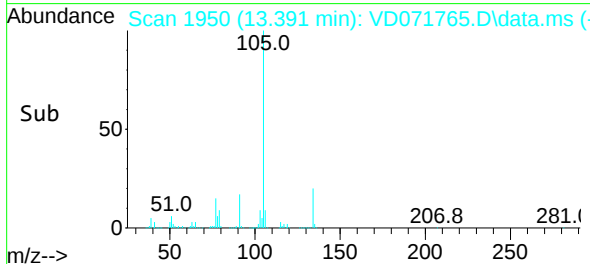
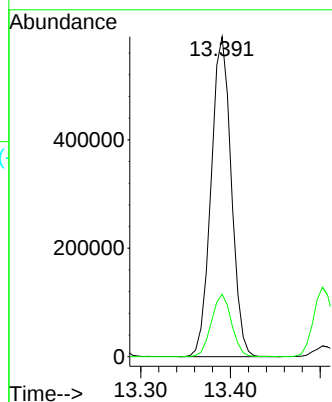
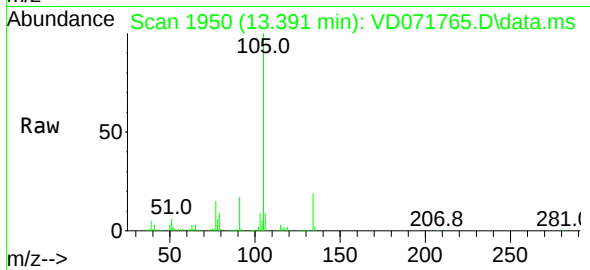




#85  
 sec-Butylbenzene  
 Concen: 51.753 ug/l  
 RT: 13.391 min Scan# 1950  
 Delta R.T. 0.001 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

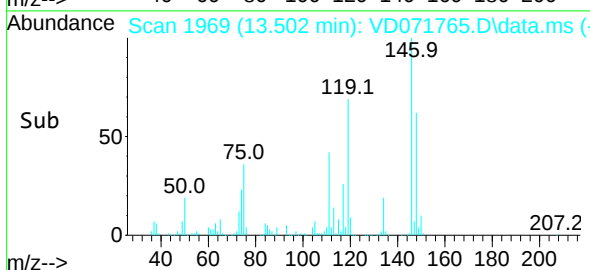
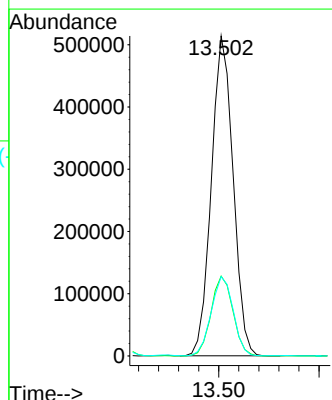
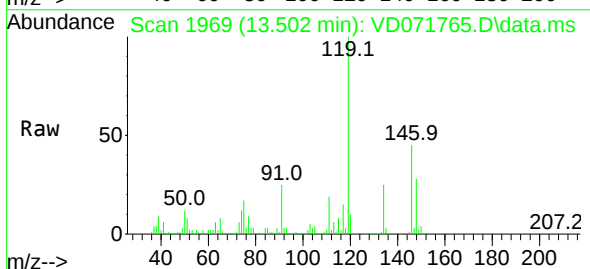
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 VSTDCCC050EC

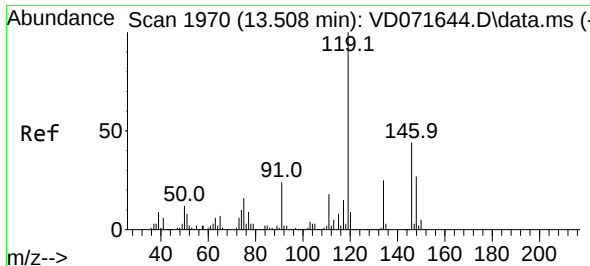
Tgt Ion:105 Resp: 920744  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 52.989 ug/l  
 RT: 13.502 min Scan# 1969  
 Delta R.T. -0.006 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

Tgt Ion:119 Resp: 774012  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 12.7 38.1  
 91 25.0 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 52.040 ug/l

RT: 13.502 min Scan# 1970

Delta R.T. -0.006 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

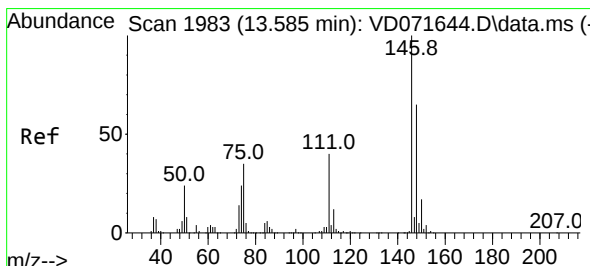
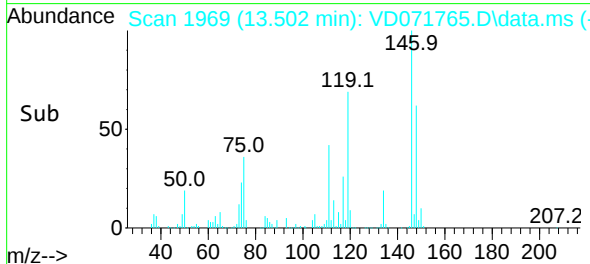
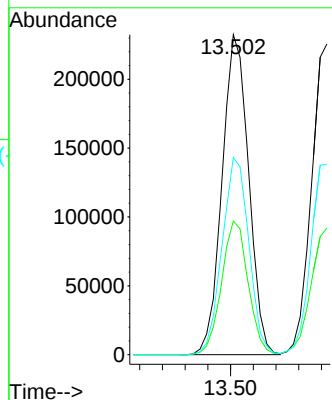
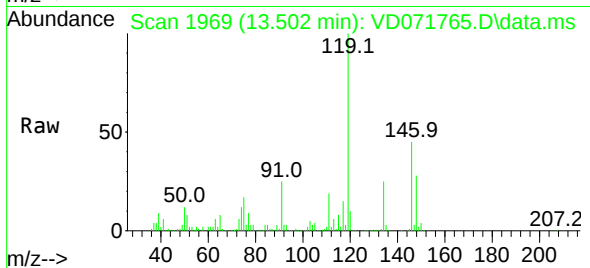
Tgt Ion:146 Resp: 377429

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.5

148 62.1 31.3 93.8



#88

1,4-Dichlorobenzene

Concen: 49.667 ug/l

RT: 13.585 min Scan# 1983

Delta R.T. 0.001 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

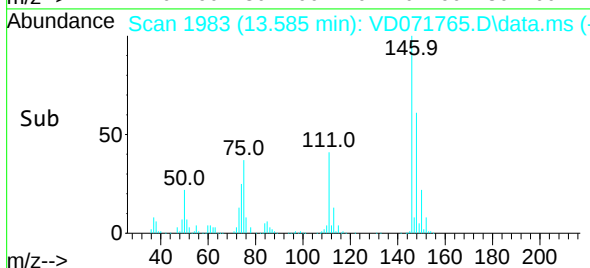
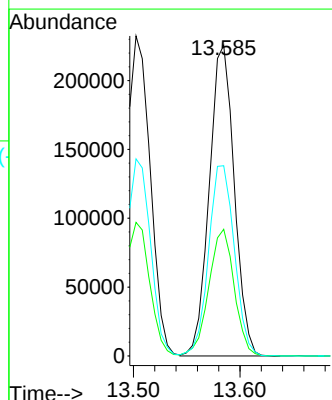
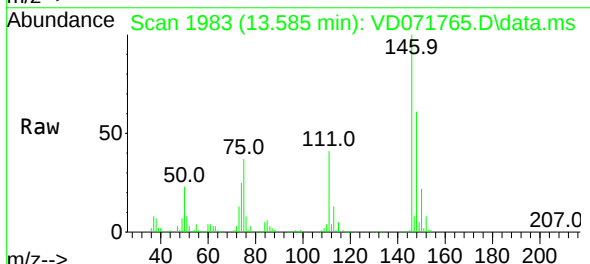
Tgt Ion:146 Resp: 367489

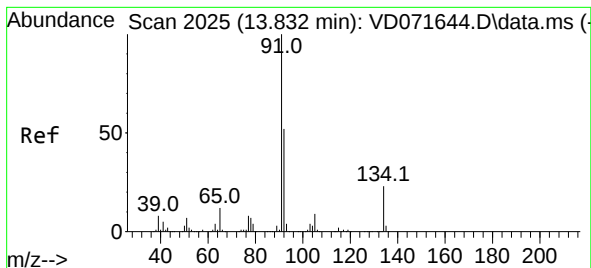
Ion Ratio Lower Upper

146 100

111 41.5 20.7 62.1

148 63.4 32.3 96.9





#89

n-Butylbenzene

Concen: 52.254 ug/l

RT: 13.832 min Scan# 2025

Delta R.T. 0.001 min

Lab File: VD071765.D

Acq: 20 Jan 2022 17:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

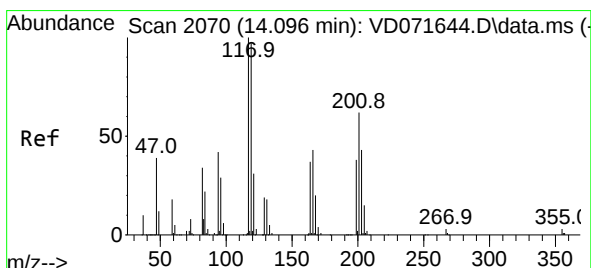
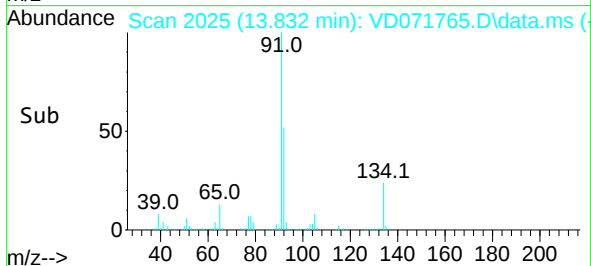
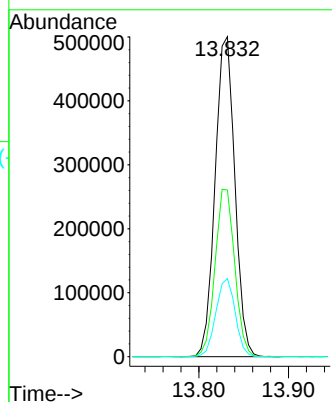
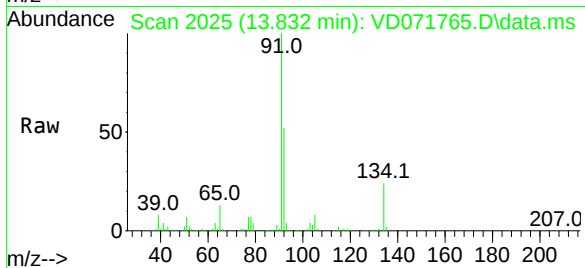
Tgt Ion: 91 Resp: 764400

Ion Ratio Lower Upper

91 100

92 52.2 26.6 79.8

134 23.9 12.1 36.3



#90

Hexachloroethane

Concen: 51.748 ug/l

RT: 14.097 min Scan# 2070

Delta R.T. -0.005 min

Lab File: VD071765.D

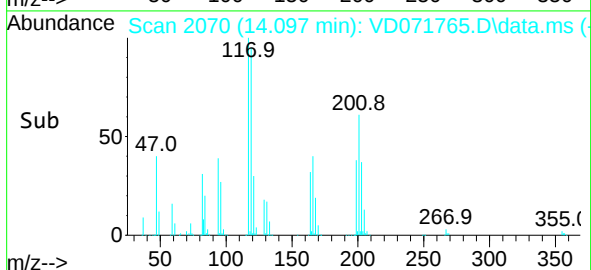
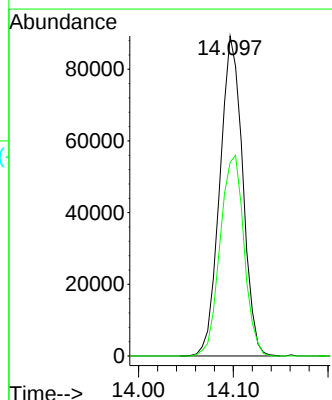
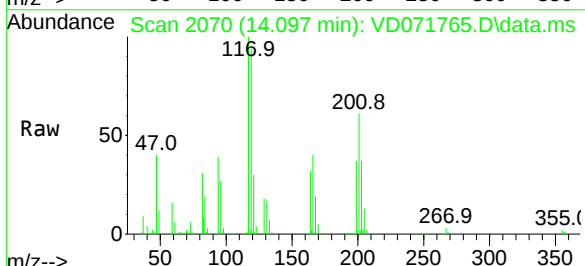
Acq: 20 Jan 2022 17:22

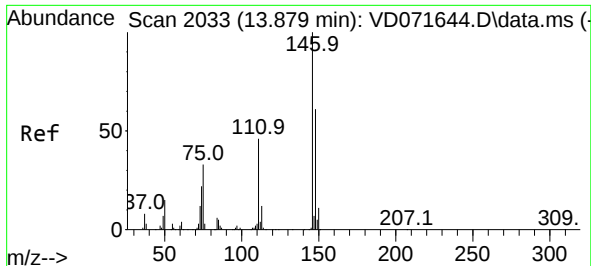
Tgt Ion: 117 Resp: 149551

Ion Ratio Lower Upper

117 100

201 65.7 32.1 96.5

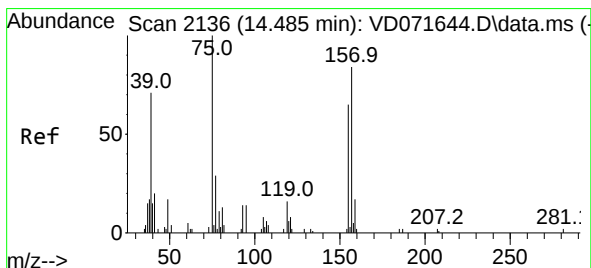
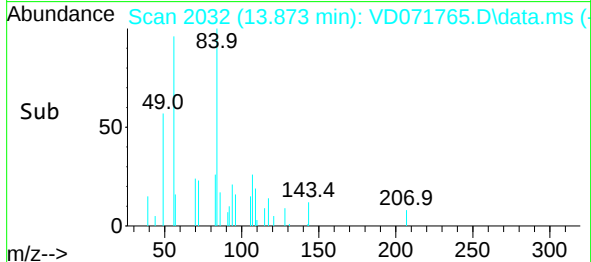
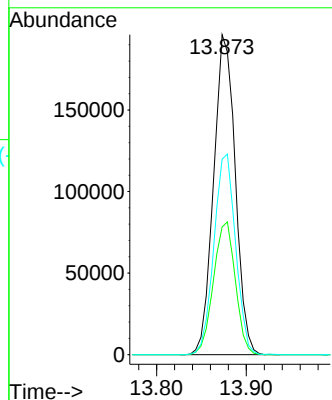
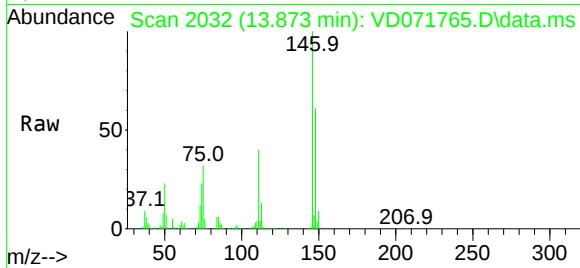




#91  
1,2-Dichlorobenzene  
Concen: 53.005 ug/l  
RT: 13.873 min Scan# 2033  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

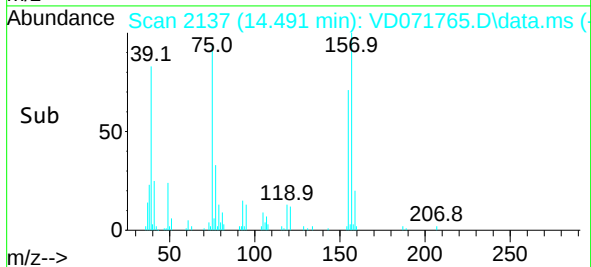
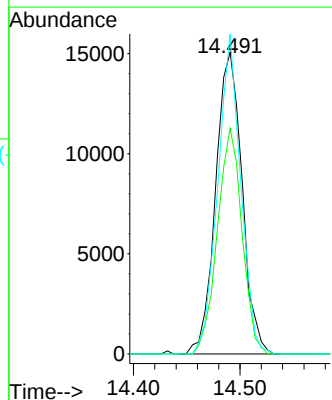
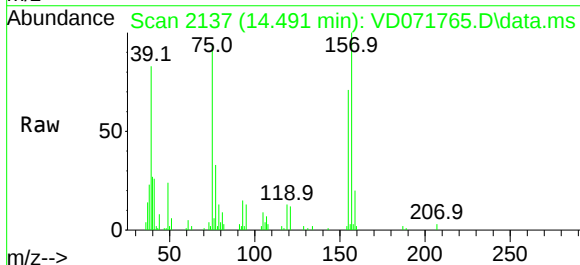
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

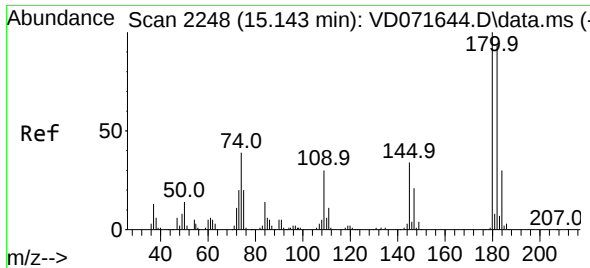
Tgt Ion:146 Resp: 329464  
Ion Ratio Lower Upper  
146 100  
111 41.8 21.8 65.3  
148 62.8 31.3 93.8



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 55.804 ug/l  
RT: 14.491 min Scan# 2137  
Delta R.T. 0.001 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion: 75 Resp: 25858  
Ion Ratio Lower Upper  
75 100  
155 69.8 35.4 106.1  
157 92.4 44.9 134.5

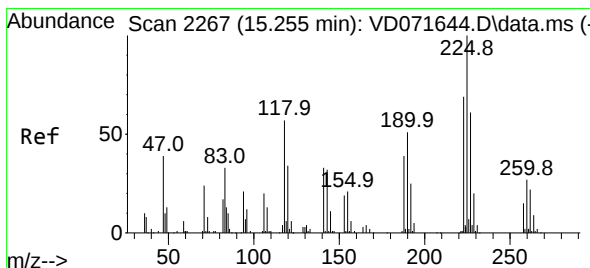
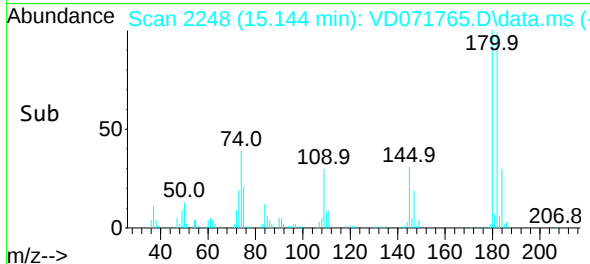
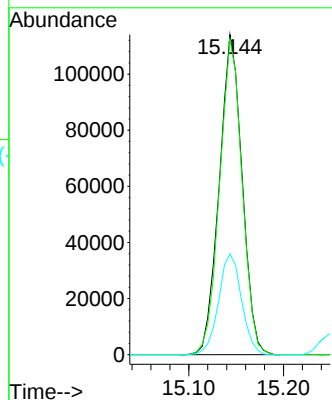
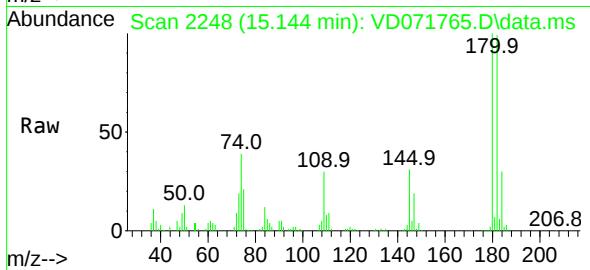




#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.391 ug/l  
 RT: 15.144 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

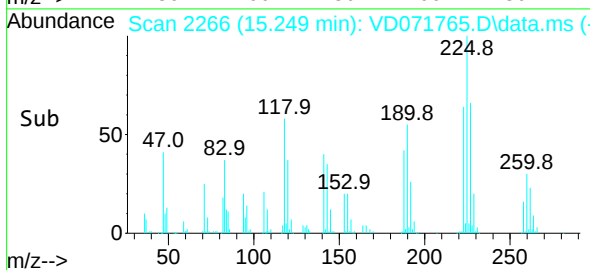
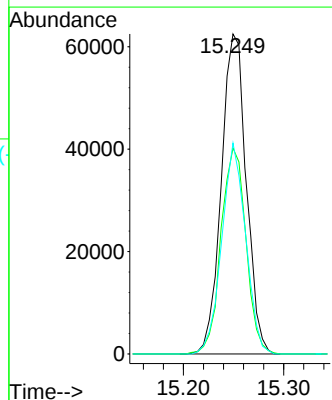
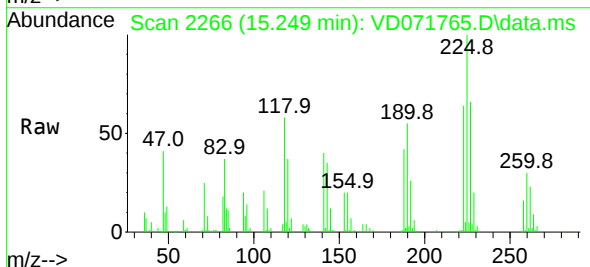
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

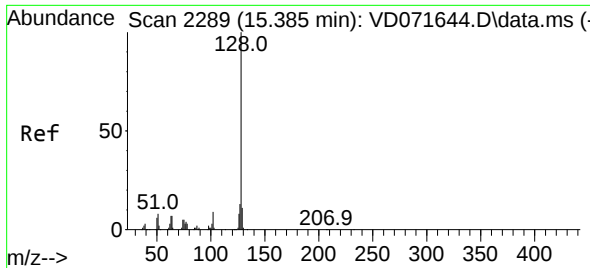
Tgt Ion:180 Resp: 191255  
 Ion Ratio Lower Upper  
 180 100  
 182 96.9 47.5 142.5  
 145 31.7 16.4 49.4



#94  
 Hexachlorobutadiene  
 Concen: 51.375 ug/l  
 RT: 15.249 min Scan# 2266  
 Delta R.T. 0.000 min  
 Lab File: VD071765.D  
 Acq: 20 Jan 2022 17:22

Tgt Ion:225 Resp: 107887  
 Ion Ratio Lower Upper  
 225 100  
 223 64.2 31.3 93.9  
 227 63.0 31.4 94.3

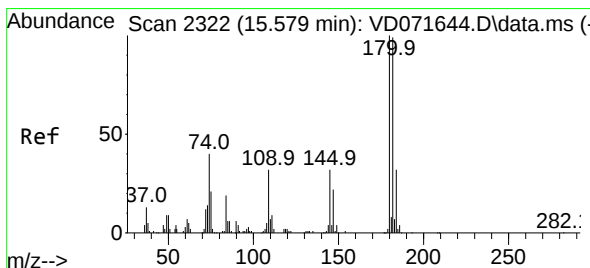
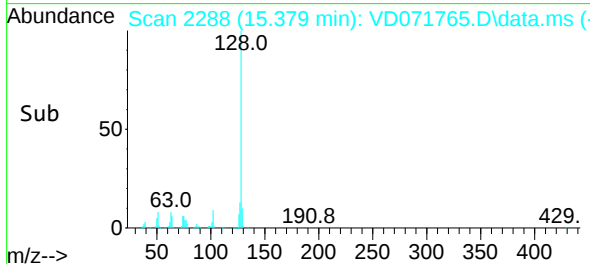
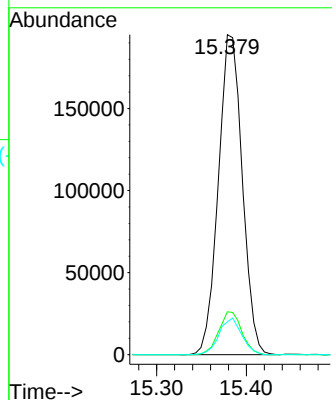
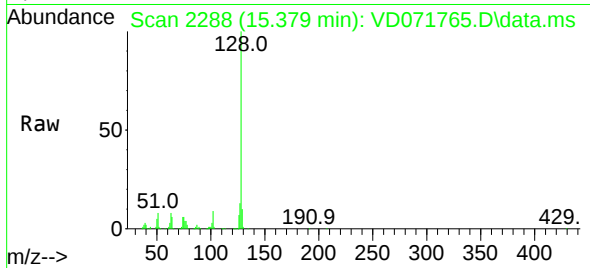




#95  
Naphthalene  
Concen: 56.922 ug/l  
RT: 15.379 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 361014  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.9 16.3  
129 10.9 9.1 13.7



#96  
1,2,3-Trichlorobenzene  
Concen: 55.550 ug/l  
RT: 15.573 min Scan# 2321  
Delta R.T. -0.005 min  
Lab File: VD071765.D  
Acq: 20 Jan 2022 17:22

Tgt Ion:180 Resp: 169560  
Ion Ratio Lower Upper  
180 100  
182 94.6 47.0 141.2  
145 33.2 16.4 49.2

