

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110422\  
 Data File : VY011321.D  
 Acq On : 05 Nov 2022 00:19  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Nov 07 01:57:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 213961   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 344296   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 323014   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 166025   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 113434   | 49.571   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.140%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 115832   | 52.363   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.720% |
| 50) Toluene-d8              | 10.179 | 98    | 430489   | 50.123   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.240% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 157683   | 52.885   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 105.760% |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 78876   | 46.308  | ug/l   | 97 |
| 3) Chloromethane             | 2.113 | 50  | 106950  | 45.079  | ug/l   | 97 |
| 4) Vinyl Chloride            | 2.247 | 62  | 120283  | 45.386  | ug/l   | 99 |
| 5) Bromomethane              | 2.643 | 94  | 84401   | 47.736  | ug/l   | 94 |
| 6) Chloroethane              | 2.790 | 64  | 81601   | 47.916  | ug/l   | 99 |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 188974  | 48.265  | ug/l   | 94 |
| 8) Diethyl Ether             | 3.527 | 74  | 73763   | 52.504  | ug/l   | 80 |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 117690  | 49.996  | ug/l   | 95 |
| 10) Methyl Iodide            | 4.088 | 142 | 156695  | 51.712  | ug/l   | 91 |
| 11) Tert butyl alcohol       | 4.942 | 59  | 67285   | 288.934 | ug/l   | 97 |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 115878  | 49.789  | ug/l # | 80 |
| 13) Acrolein                 | 3.722 | 56  | 27827   | 225.788 | ug/l   | 99 |
| 14) Allyl chloride           | 4.472 | 41  | 179262  | 50.849  | ug/l # | 84 |
| 15) Acrylonitrile            | 5.155 | 53  | 192632  | 273.251 | ug/l   | 97 |
| 16) Acetone                  | 3.942 | 43  | 131881  | 190.922 | ug/l # | 81 |
| 17) Carbon Disulfide         | 4.186 | 76  | 363102  | 47.500  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.472 | 43  | 92077   | 50.350  | ug/l # | 86 |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 343161  | 55.486  | ug/l   | 98 |
| 20) Methylene Chloride       | 4.710 | 84  | 185430  | 67.389  | ug/l # | 81 |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 137674  | 52.009  | ug/l   | 88 |
| 22) Diisopropyl ether        | 6.112 | 45  | 399306  | 54.630  | ug/l # | 92 |
| 23) Vinyl Acetate            | 6.057 | 43  | 1248798 | 279.920 | ug/l # | 91 |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 240092  | 52.452  | ug/l   | 98 |
| 25) 2-Butanone               | 6.978 | 43  | 232084  | 238.788 | ug/l # | 84 |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 191637  | 45.786  | ug/l   | 94 |
| 27) cis-1,2-Dichloroethene   | 6.978 | 96  | 157952  | 54.153  | ug/l   | 87 |
| 28) Bromochloromethane       | 7.332 | 49  | 96130   | 54.673  | ug/l # | 81 |
| 29) Tetrahydrofuran          | 7.344 | 42  | 156518  | 276.623 | ug/l # | 83 |
| 30) Chloroform               | 7.502 | 83  | 250092  | 54.097  | ug/l   | 98 |
| 31) Cyclohexane              | 7.783 | 56  | 203195  | 47.908  | ug/l   | 92 |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 213692  | 52.114  | ug/l   | 94 |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 185203  | 51.268  | ug/l   | 97 |
| 37) Ethyl Acetate            | 7.069 | 43  | 104655  | 53.742  | ug/l # | 91 |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 194894  | 52.003  | ug/l   | 99 |
| 39) Methylcyclohexane        | 9.179 | 83  | 224271  | 51.030  | ug/l   | 91 |
| 40) Benzene                  | 8.155 | 78  | 563021  | 53.030  | ug/l   | 96 |

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 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 07 01:57:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 141226   | 133.468  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 158083   | 54.832   | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 186673   | 54.408   | ug/l # | 87       |
| 44) Trichloroethene           | 8.935  | 130  | 151763   | 53.413   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 142395   | 54.250   | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 81869    | 55.203   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 193452   | 55.027   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 85137    | 54.024   | ug/l # | 75       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 24137    | 1209.796 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 527129   | 282.563  | ug/l # | 85       |
| 52) Toluene                   | 10.240 | 92   | 361661   | 54.937   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 199388   | 53.853   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 227206   | 53.630   | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 117217   | 55.148   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 163397   | 58.198   | ug/l # | 74       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 200038   | 54.983   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 379814   | 288.564  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 367278   | 275.765  | ug/l   | 83       |
| 60) Dibromochloromethane      | 10.983 | 129  | 142740   | 56.522   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 113211   | 56.103   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 153420   | 55.915   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 385558   | 54.103   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 145682   | 55.520   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 682312   | 53.975   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.697 | 106  | 535541   | 109.137  | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 254903   | 55.416   | ug/l   | 95       |
| 70) Styrene                   | 12.038 | 104  | 440350   | 56.471   | ug/l   | 96       |
| 71) Bromoform                 | 12.203 | 173  | 92515    | 56.726   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 660276   | 53.192   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 169182   | 54.295   | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 136388   | 53.097   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 181609   | 89.851   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 159004   | 54.456   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 797490   | 52.503   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 460812   | 52.949   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 564174   | 53.710   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 47972    | 50.794   | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 472866   | 52.724   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.068 | 119  | 488638   | 53.988   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 560627   | 53.965   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 710079   | 52.915   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 599998   | 53.643   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 310149   | 52.973   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 307698   | 52.401   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 541695   | 51.864   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 117186   | 52.388   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 284772   | 54.453   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 23119    | 52.540   | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 169584   | 53.651   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.105 | 225  | 96409    | 52.383   | ug/l   | 97       |
| 95) Naphthalene               | 15.233 | 128  | 373529   | 50.498   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 153194   | 55.149   | ug/l   | 99       |

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Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Nov 07 01:57:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 01 11:56:18 2022  
Response via : Initial Calibration

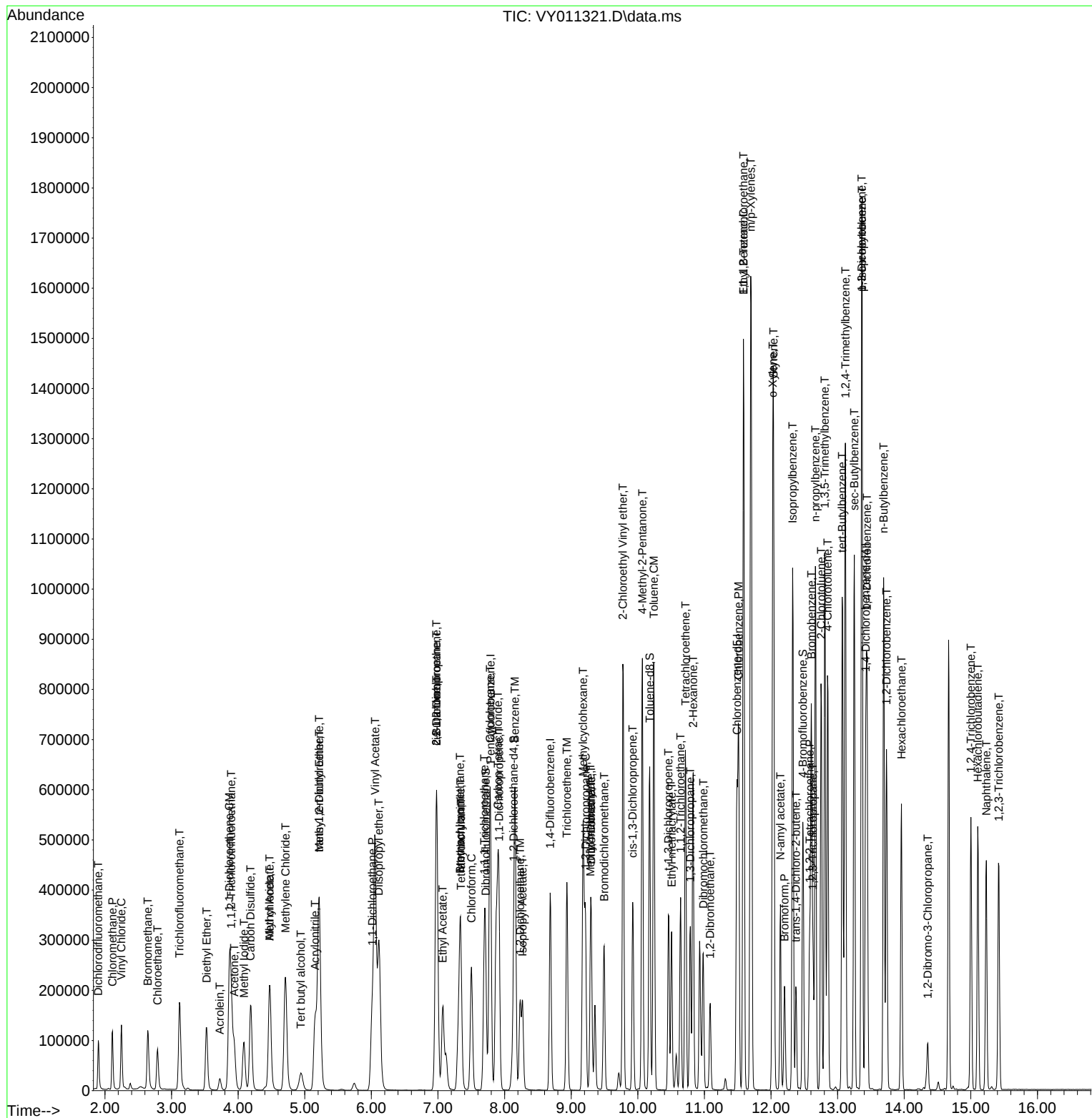
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

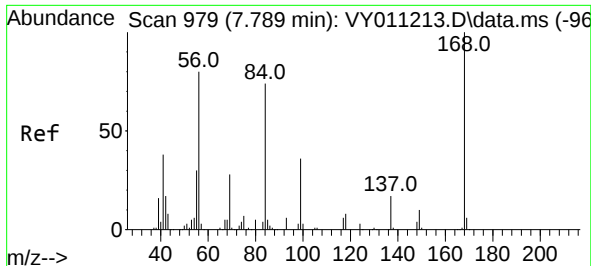
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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
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 QLast Update : Tue Nov 01 11:56:18 2022  
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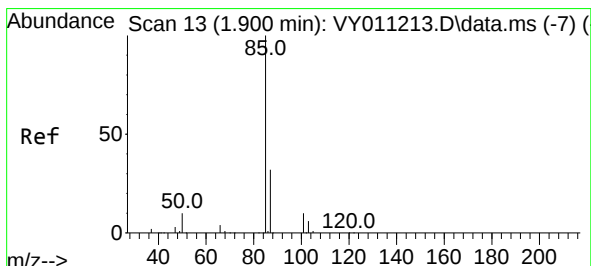
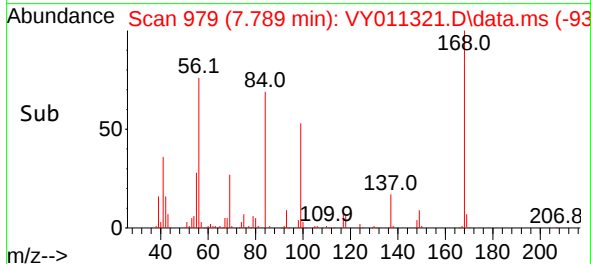
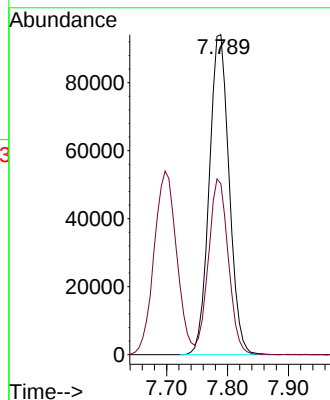
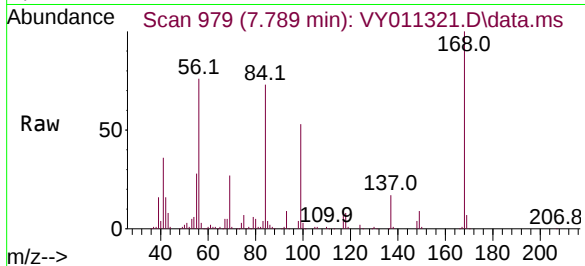




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

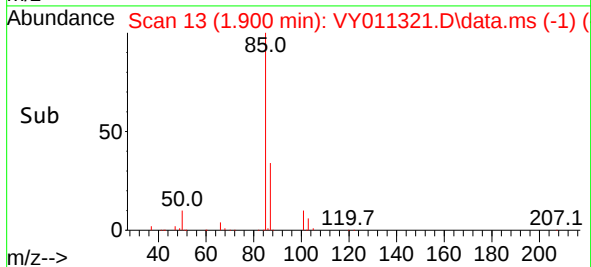
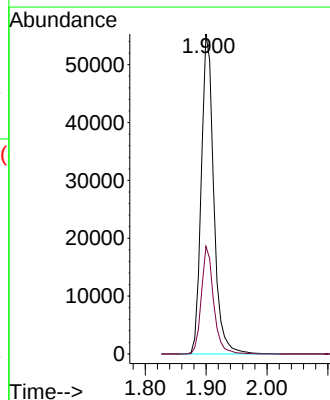
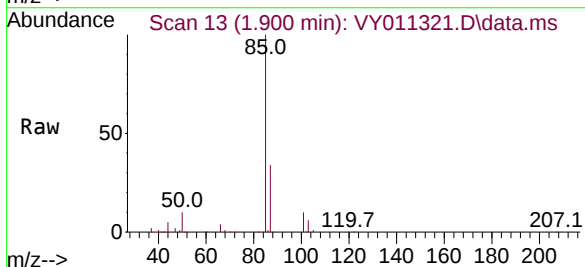
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

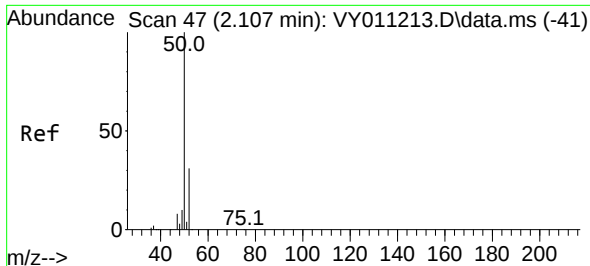
Tgt Ion:168 Resp: 213961  
Ion Ratio Lower Upper  
168 100  
99 53.4 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 46.308 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 85 Resp: 78876  
Ion Ratio Lower Upper  
85 100  
87 33.6 16.1 48.2

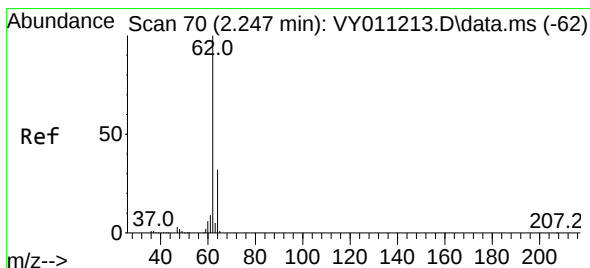
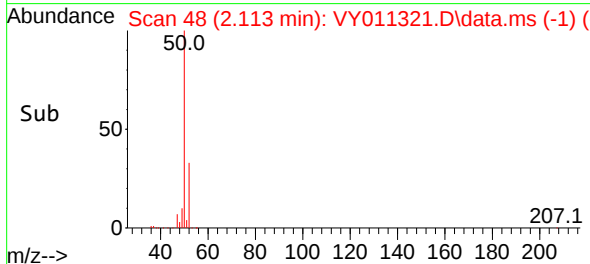
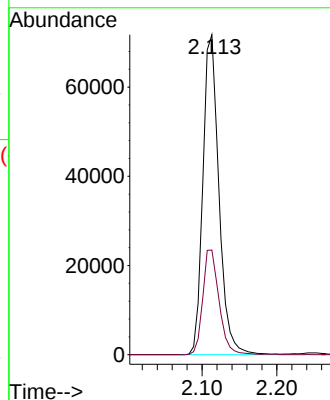
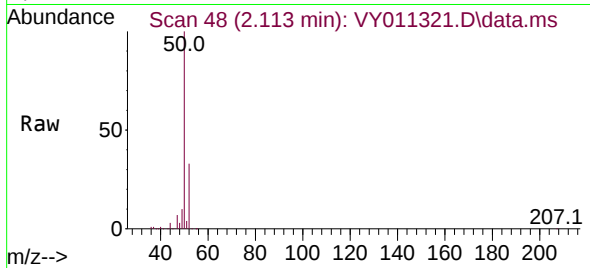




#3  
Chloromethane  
Concen: 45.079 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

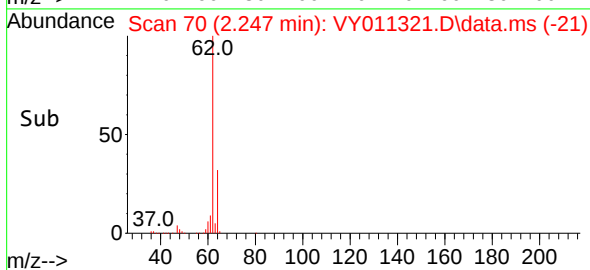
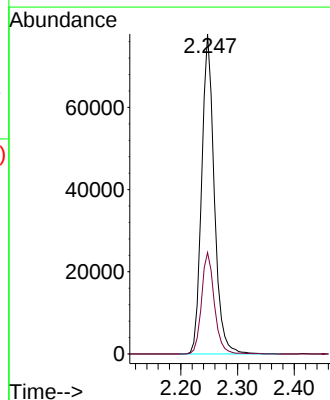
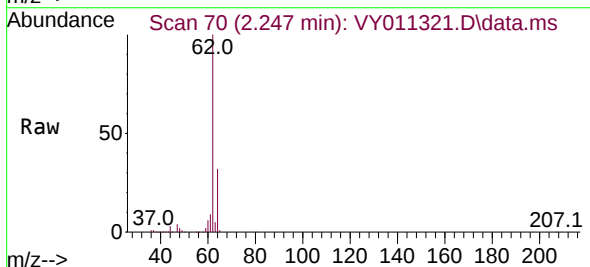
Instrument :  
MSVOA\_Y  
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VSTDCCC050EC

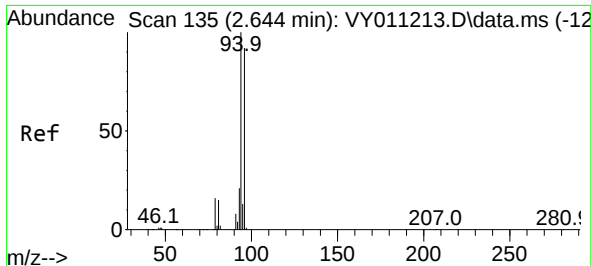
Tgt Ion: 50 Resp: 106950  
Ion Ratio Lower Upper  
50 100  
52 32.7 24.6 37.0



#4  
Vinyl Chloride  
Concen: 45.386 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 62 Resp: 120283  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.0 37.6

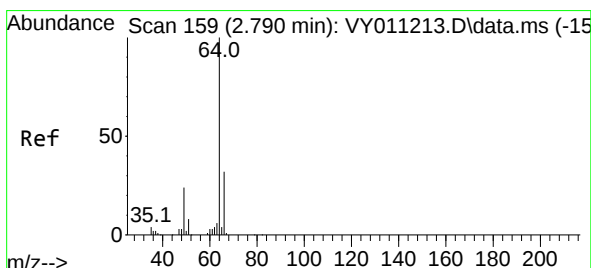
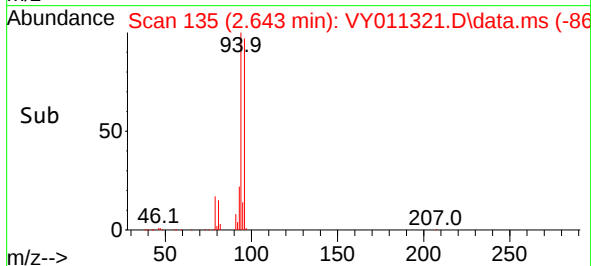
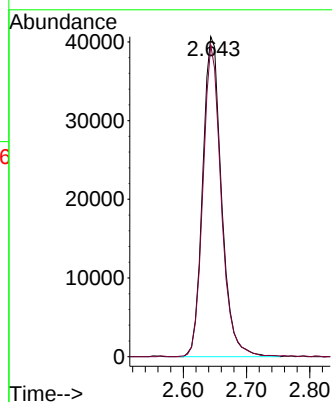
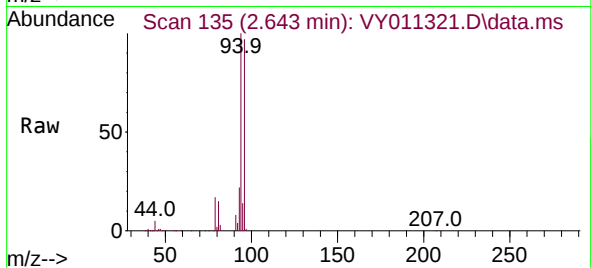




#5  
Bromomethane  
Concen: 47.736 ug/l  
RT: 2.643 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

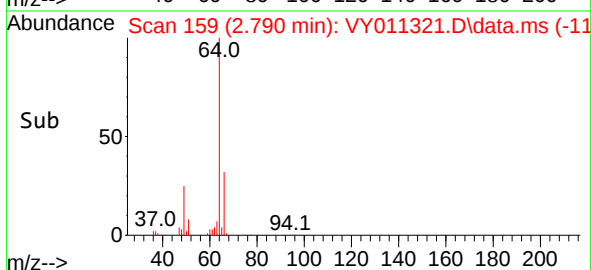
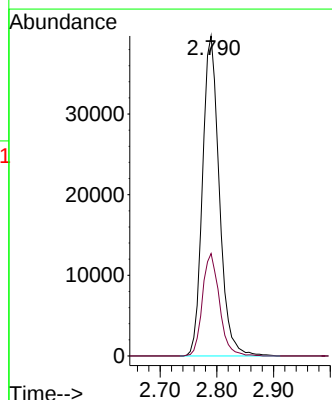
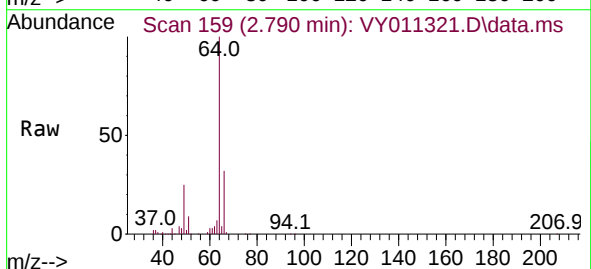
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

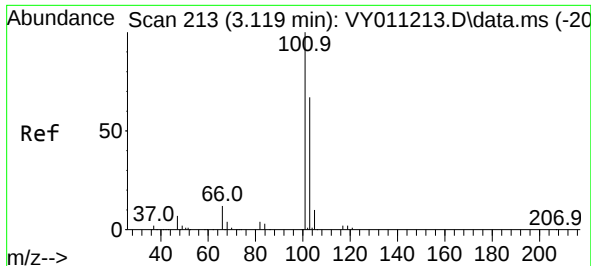
Tgt Ion: 94 Resp: 84401  
Ion Ratio Lower Upper  
94 100  
96 97.3 73.5 110.3



#6  
Chloroethane  
Concen: 47.916 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 64 Resp: 81601  
Ion Ratio Lower Upper  
64 100  
66 32.0 25.4 38.0

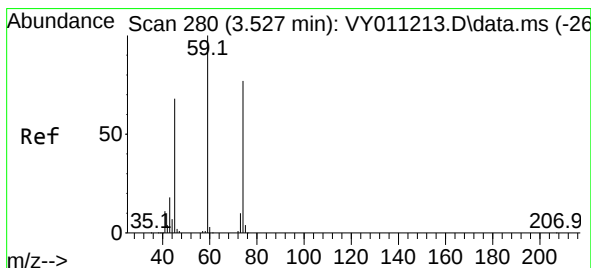
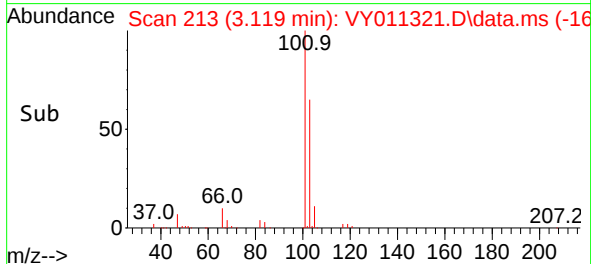
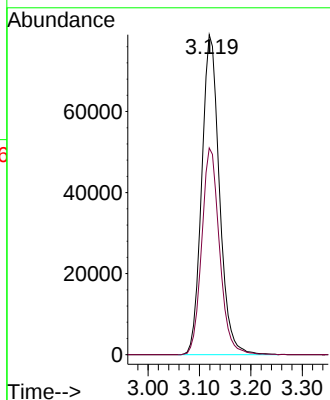
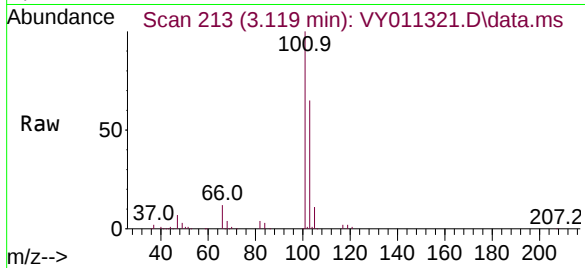




#7  
Trichlorofluoromethane  
Concen: 48.265 ug/l  
RT: 3.119 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

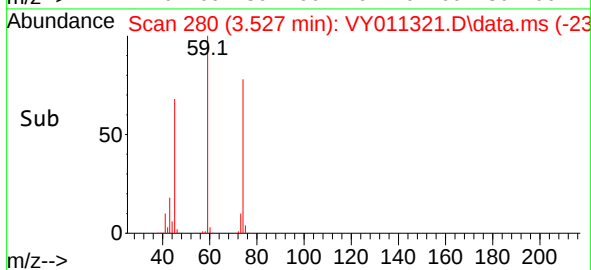
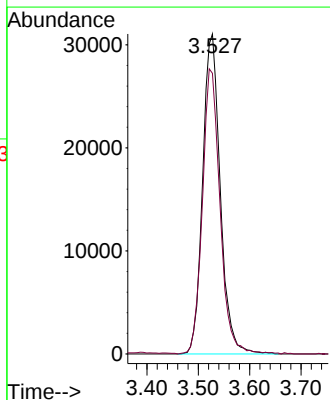
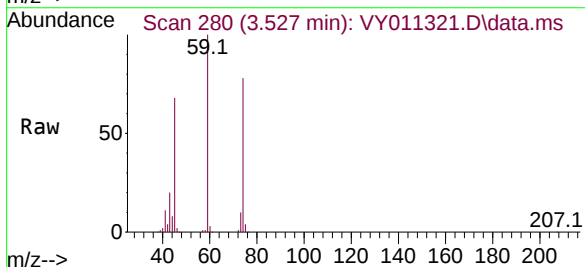
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

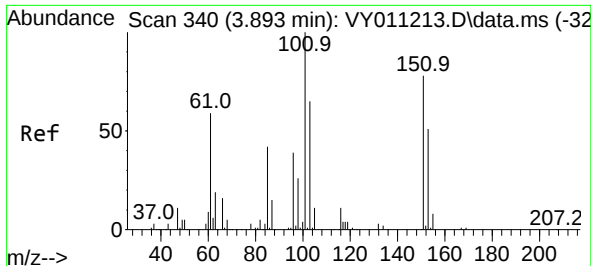
Tgt Ion:101 Resp: 188974  
Ion Ratio Lower Upper  
101 100  
103 64.6 48.0 72.0



#8  
Diethyl Ether  
Concen: 52.504 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 74 Resp: 73763  
Ion Ratio Lower Upper  
74 100  
45 89.6 55.1 165.5

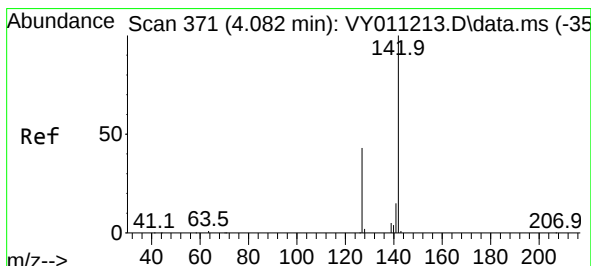
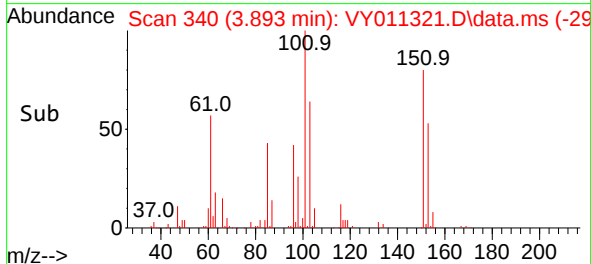
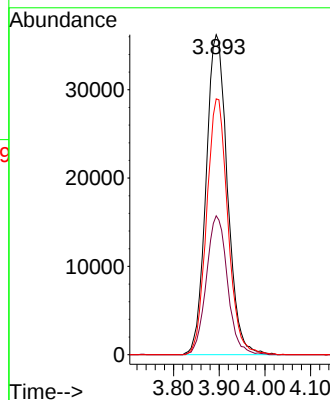
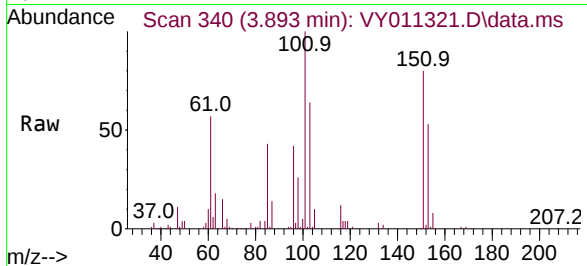




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.996 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

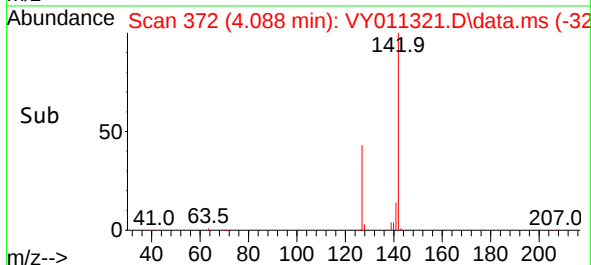
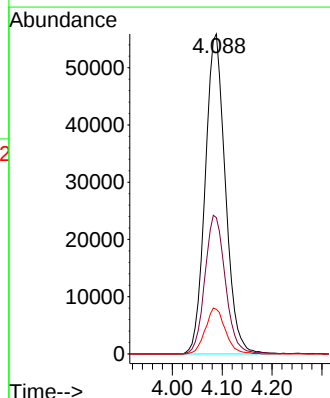
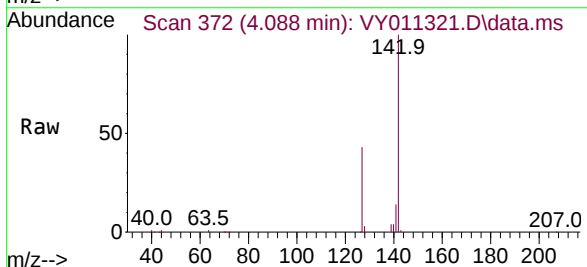
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

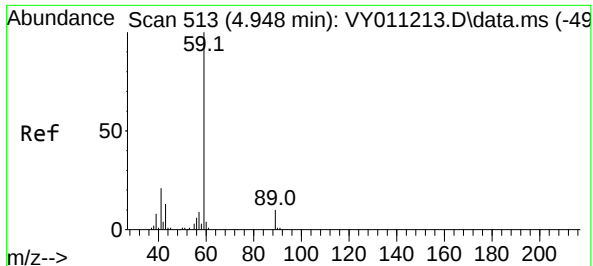
Tgt Ion:101 Resp: 117690  
Ion Ratio Lower Upper  
101 100  
85 43.0 40.6 60.8  
151 79.4 64.9 97.3



#10  
Methyl Iodide  
Concen: 51.712 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion:142 Resp: 156695  
Ion Ratio Lower Upper  
142 100  
127 44.2 41.5 62.3  
141 14.3 11.9 17.9

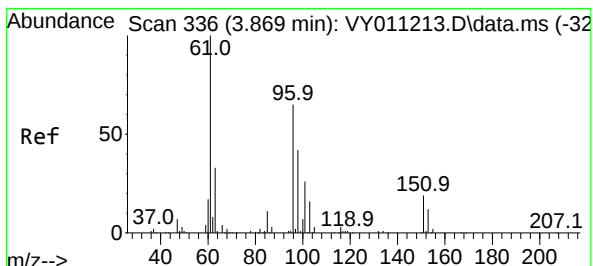
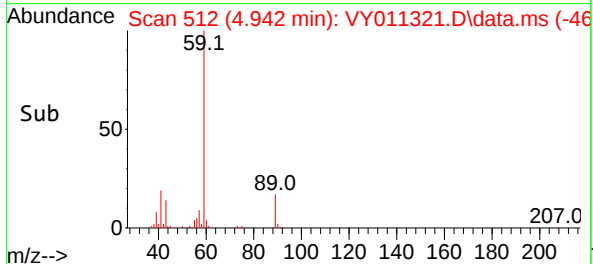
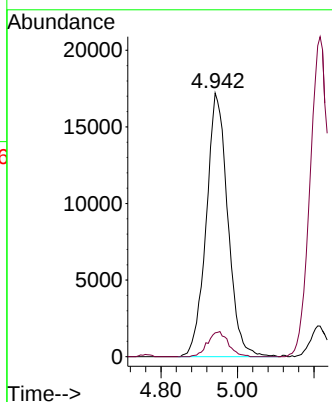
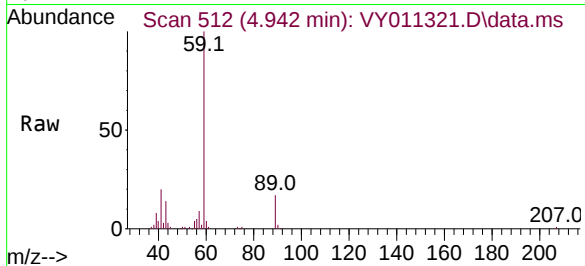




#11  
Tert butyl alcohol  
Concen: 288.934 ug/l  
RT: 4.942 min Scan# 513  
Delta R.T. -0.012 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

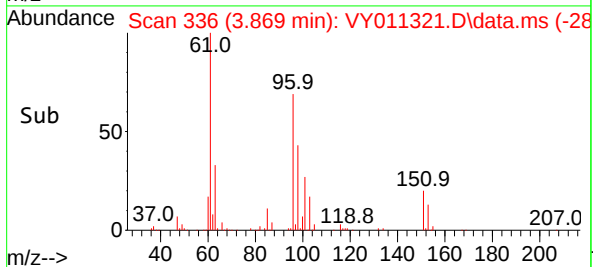
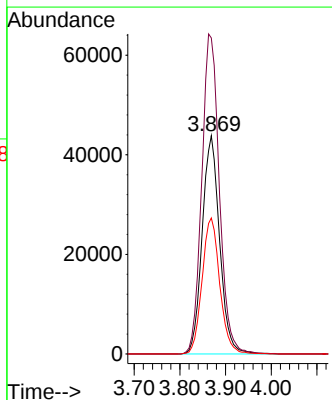
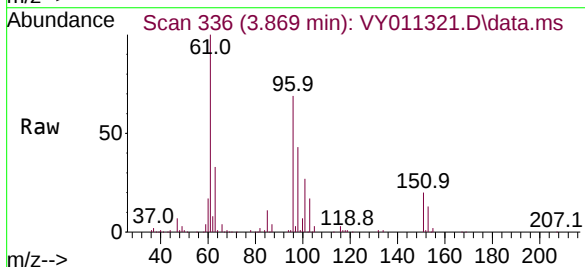
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

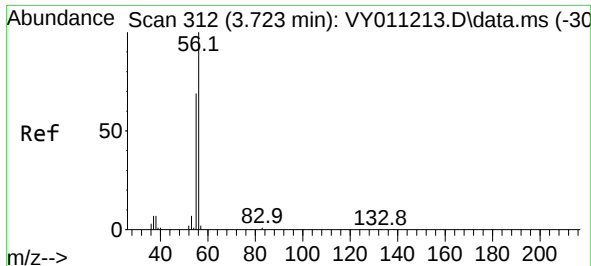
Tgt Ion: 59 Resp: 67285  
Ion Ratio Lower Upper  
59 100  
57 9.1 6.4 9.6



#12  
1,1-Dichloroethene  
Concen: 49.789 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 96 Resp: 115878  
Ion Ratio Lower Upper  
96 100  
61 144.8 145.8 218.6#  
98 62.3 52.5 78.7

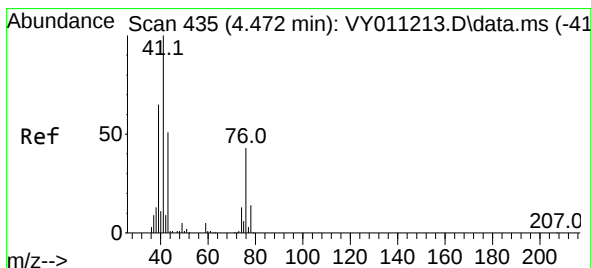
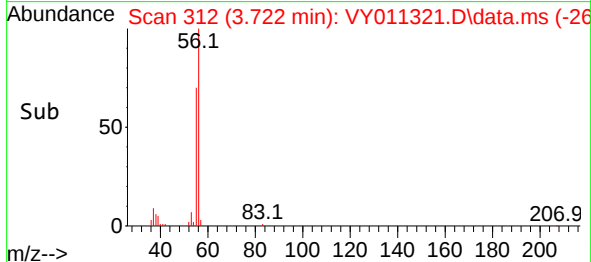
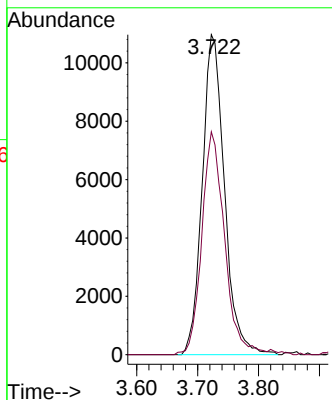
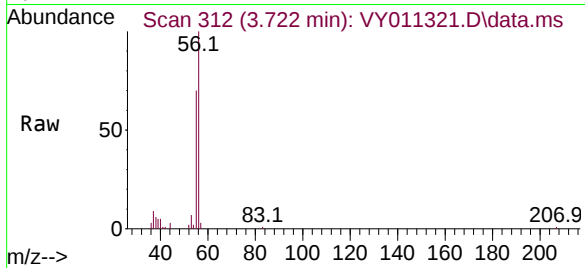




#13  
Acrolein  
Concen: 225.788 ug/l  
RT: 3.722 min Scan# 312  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

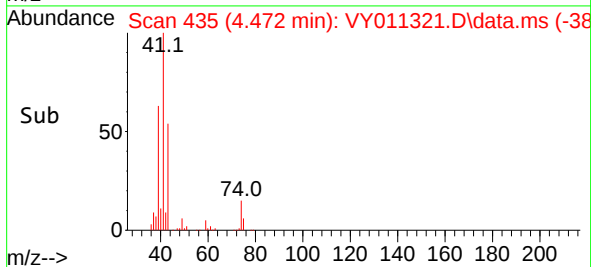
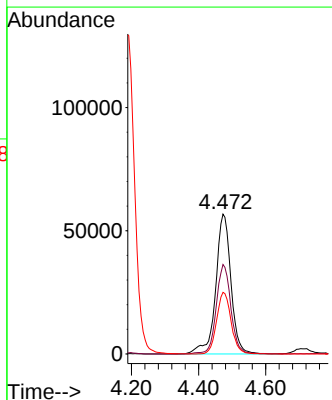
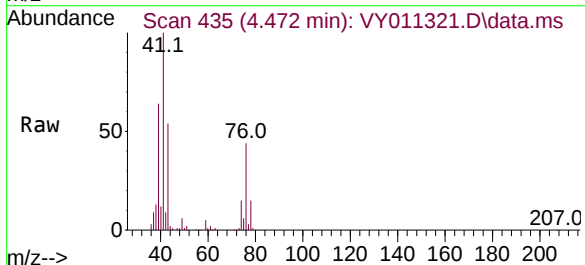
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 27827  
Ion Ratio Lower Upper  
56 100  
55 71.0 57.6 86.4



#14  
Allyl chloride  
Concen: 50.849 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 41 Resp: 179262  
Ion Ratio Lower Upper  
41 100  
39 61.3 58.8 88.2  
76 41.7 25.1 37.7#

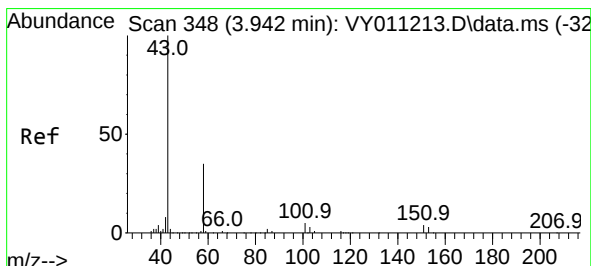
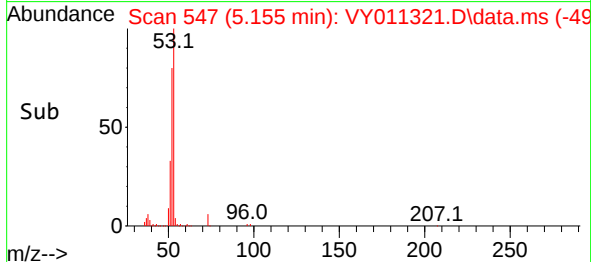
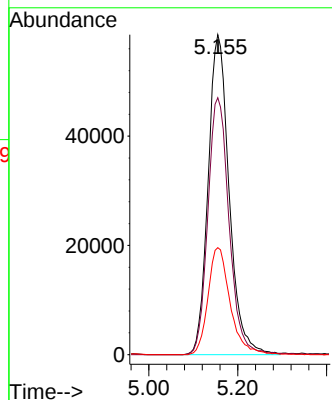
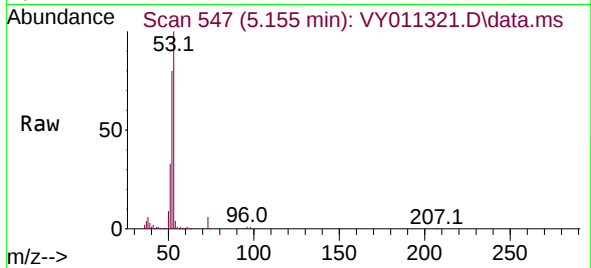




#15  
Acrylonitrile  
Concen: 273.251 ug/l  
RT: 5.155 min Scan# 547  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

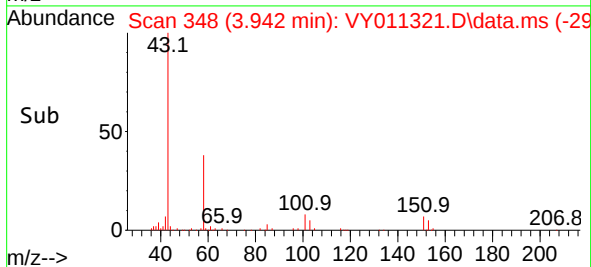
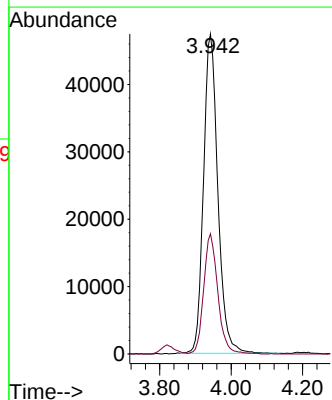
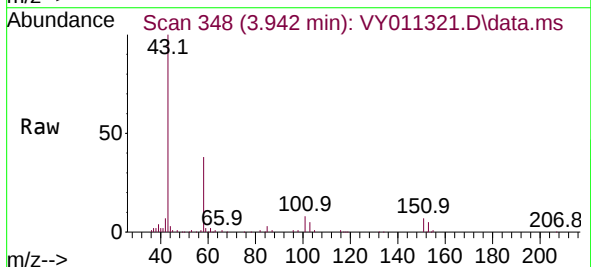
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

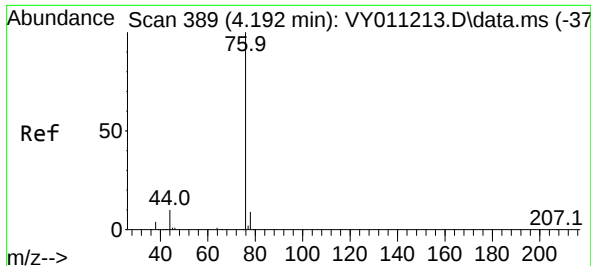
Tgt Ion: 53 Resp: 192632  
Ion Ratio Lower Upper  
53 100  
52 80.9 67.0 100.4  
51 35.2 29.8 44.6



#16  
Acetone  
Concen: 190.922 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 43 Resp: 131881  
Ion Ratio Lower Upper  
43 100  
58 37.6 22.0 33.0#

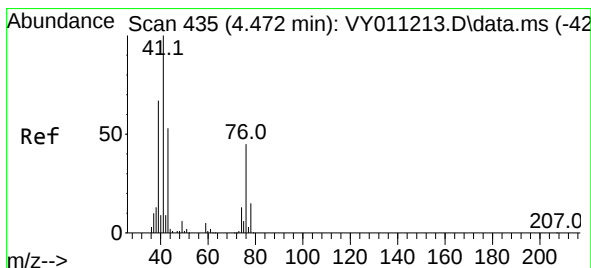
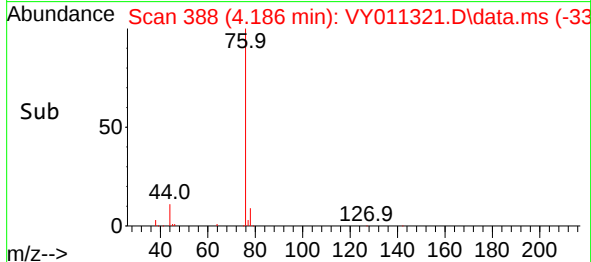
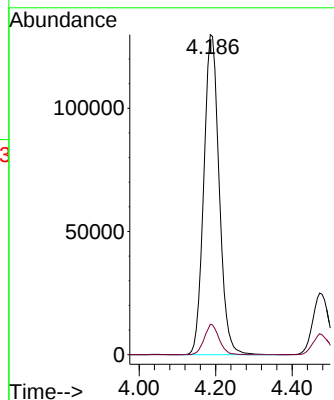
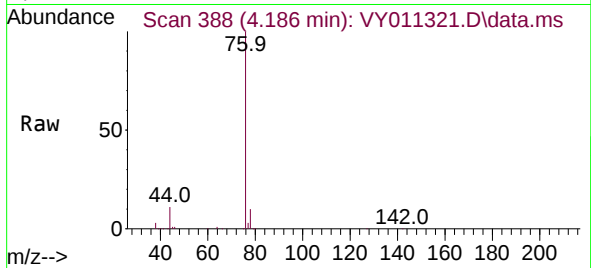




#17  
Carbon Disulfide  
Concen: 47.500 ug/l  
RT: 4.186 min Scan# 388  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

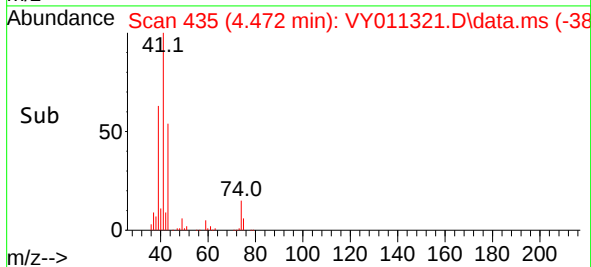
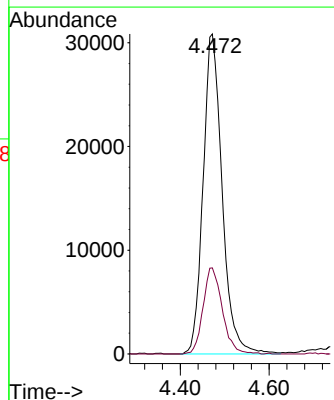
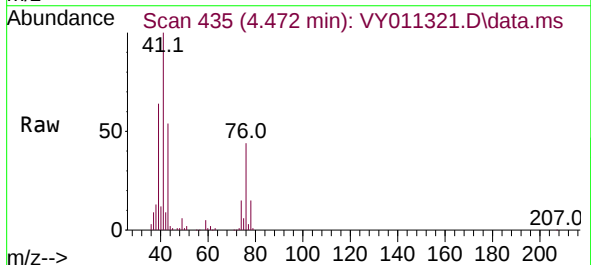
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

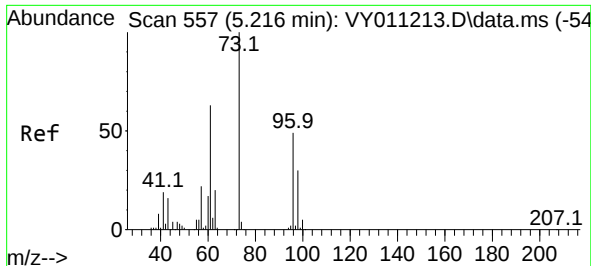
Tgt Ion: 76 Resp: 363102  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.4 11.0



#18  
Methyl Acetate  
Concen: 50.350 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 43 Resp: 92077  
Ion Ratio Lower Upper  
43 100  
74 27.1 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 55.486 ug/l

RT: 5.216 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

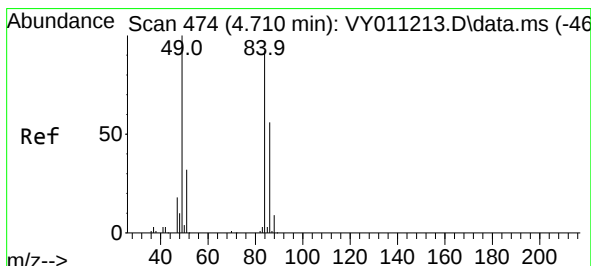
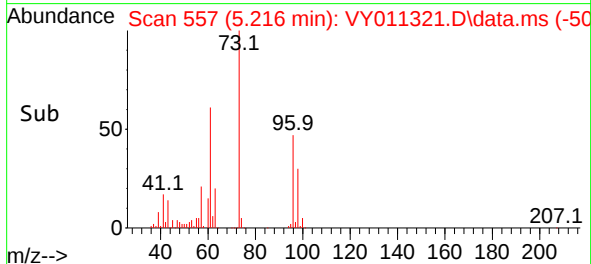
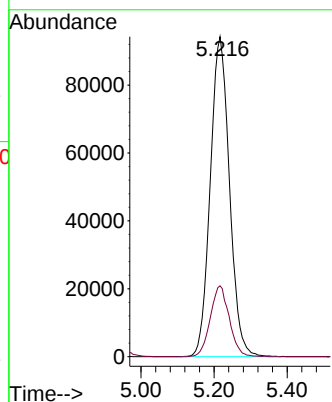
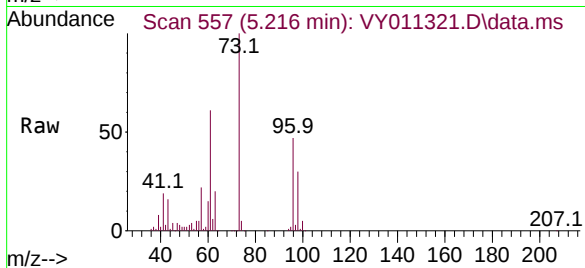
VSTDCCC050EC

Tgt Ion: 73 Resp: 343161

Ion Ratio Lower Upper

73 100

57 22.2 18.6 27.8



#20

Methylene Chloride

Concen: 67.389 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Tgt Ion: 84 Resp: 185430

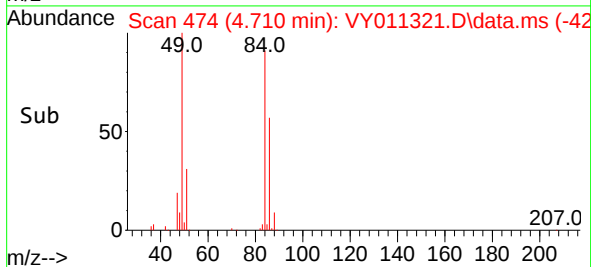
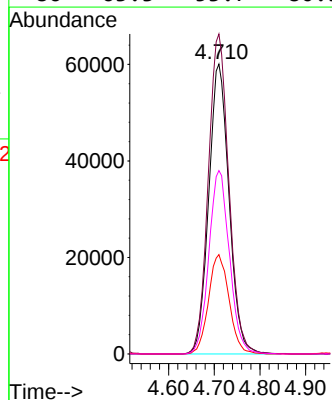
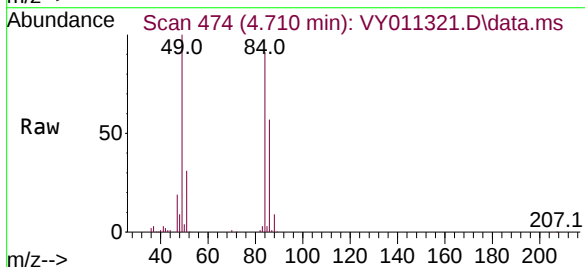
Ion Ratio Lower Upper

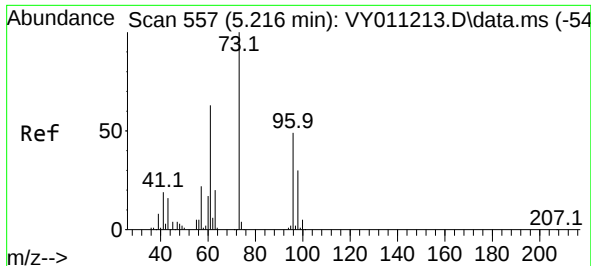
84 100

49 110.4 114.4 171.6#

51 34.3 35.3 52.9#

86 63.3 53.7 80.5

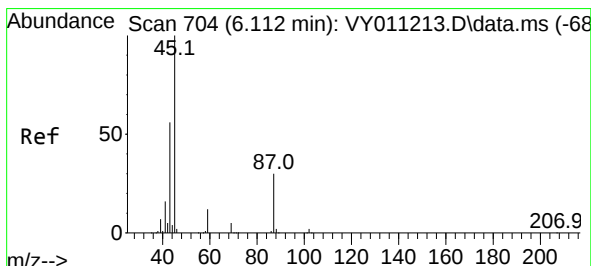
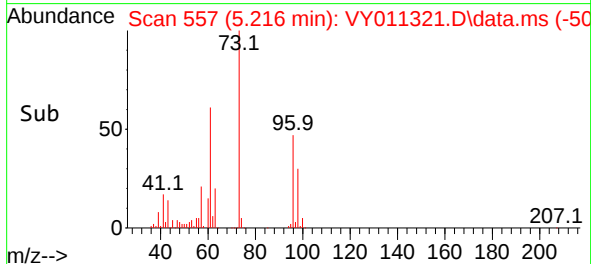
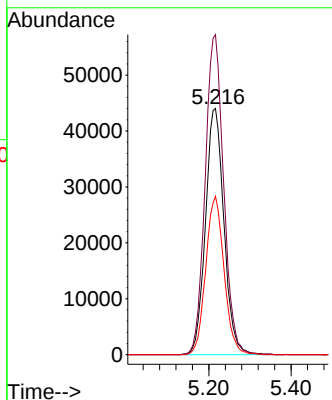
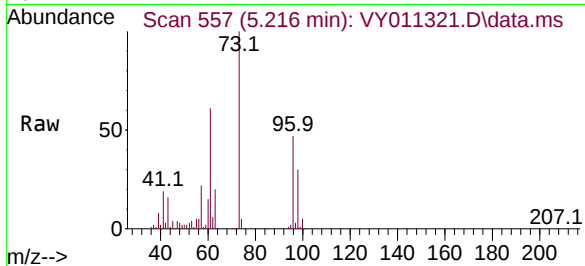




#21  
trans-1,2-Dichloroethene  
Concen: 52.009 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

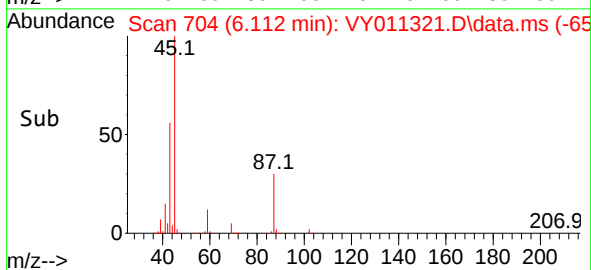
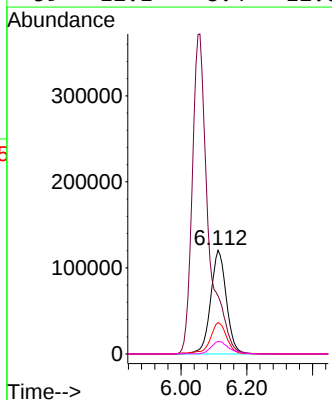
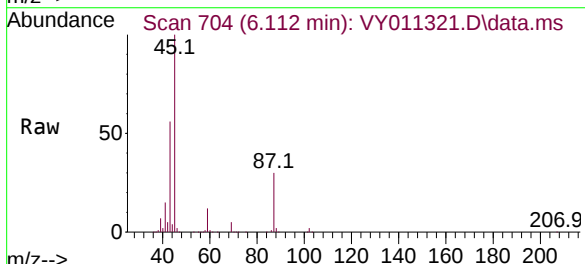
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

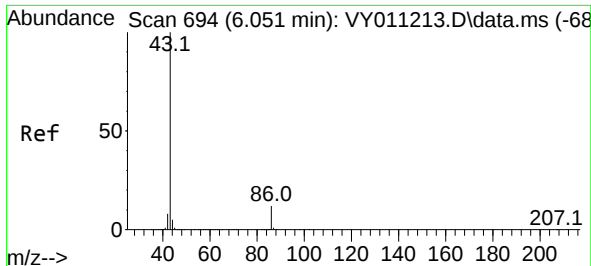
Tgt Ion: 96 Resp: 137674  
Ion Ratio Lower Upper  
96 100  
61 130.0 120.5 180.7  
98 64.4 49.8 74.8



#22  
Diisopropyl ether  
Concen: 54.630 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 45 Resp: 399306  
Ion Ratio Lower Upper  
45 100  
43 55.9 49.3 73.9  
87 30.4 19.2 28.8#  
59 12.1 8.4 12.6

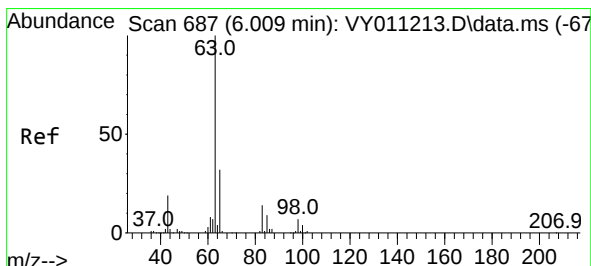
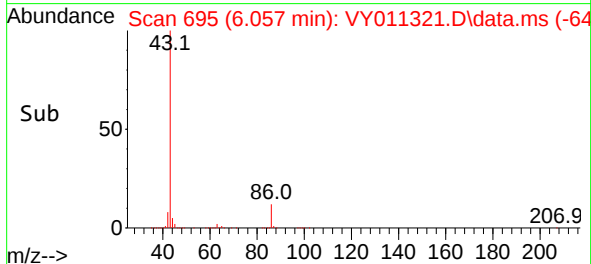
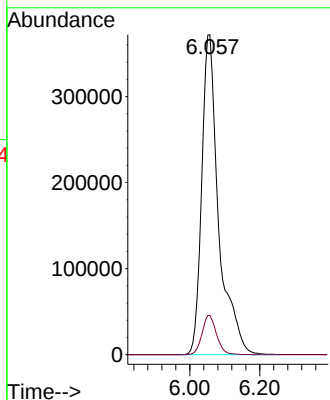
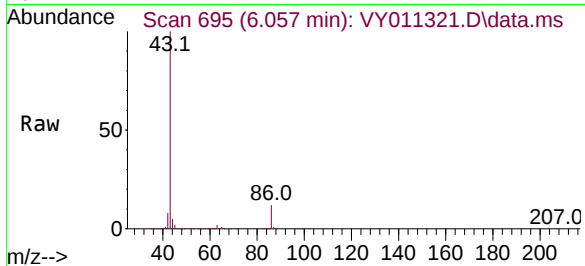




#23  
 Vinyl Acetate  
 Concen: 279.920 ug/l  
 RT: 6.057 min Scan# 61  
 Delta R.T. -0.001 min  
 Lab File: VY011321.D  
 Acq: 05 Nov 2022 00:19

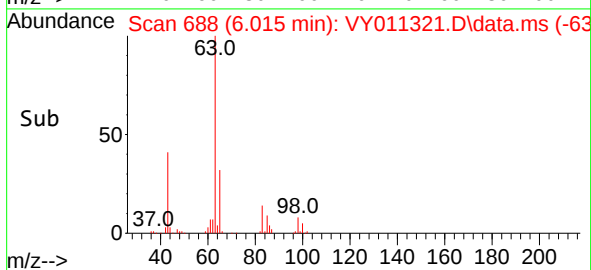
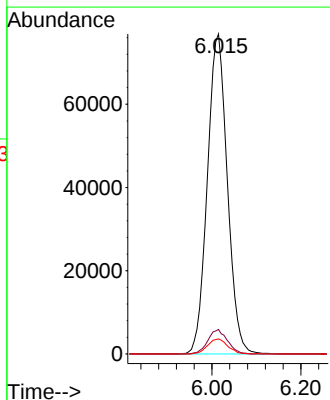
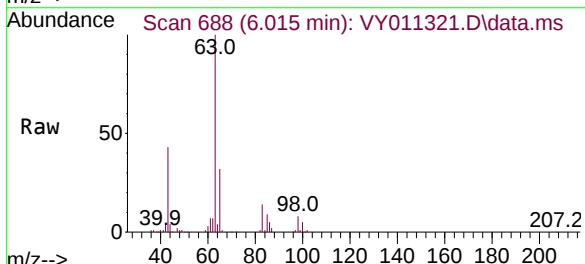
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

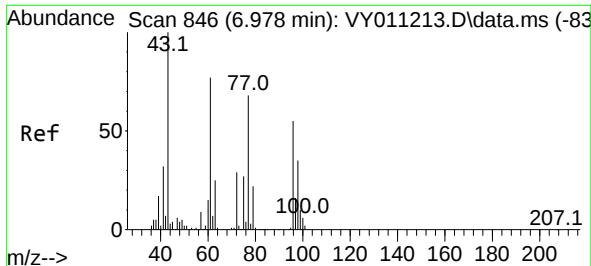
Tgt Ion: 43 Resp: 1248798  
 Ion Ratio Lower Upper  
 43 100  
 86 12.2 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 52.452 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY011321.D  
 Acq: 05 Nov 2022 00:19

Tgt Ion: 63 Resp: 240092  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.6 10.8  
 100 4.7 2.0 5.8

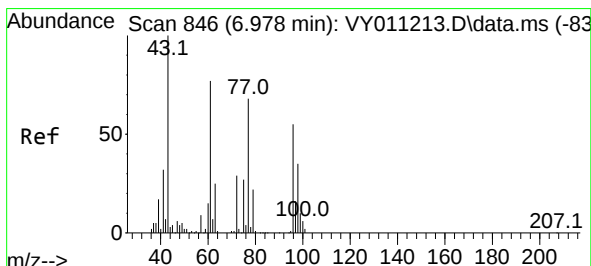
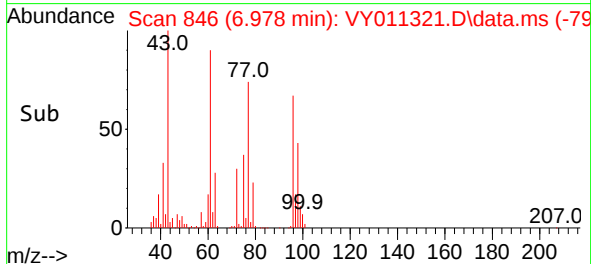
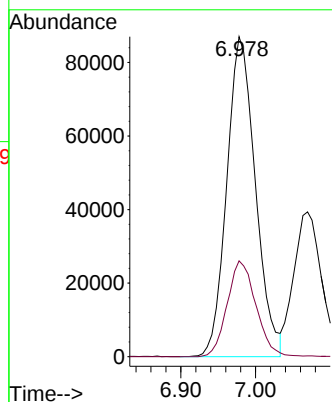
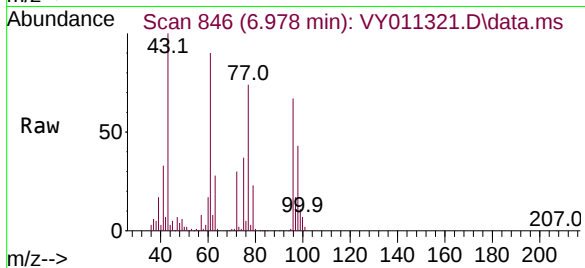




#25  
2-Butanone  
Concen: 238.788 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

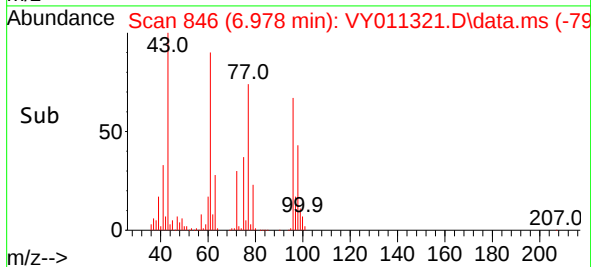
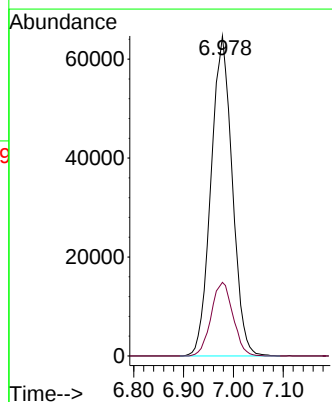
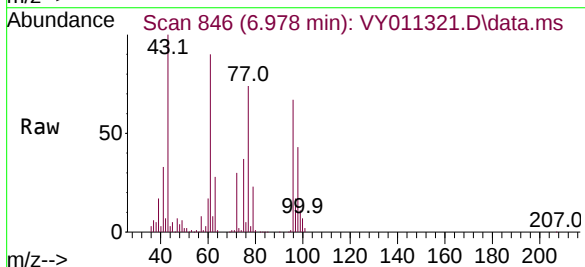
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

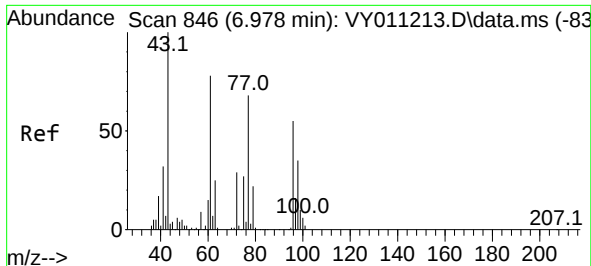
Tgt Ion: 43 Resp: 232084  
Ion Ratio Lower Upper  
43 100  
72 30.0 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 45.786 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 77 Resp: 191637  
Ion Ratio Lower Upper  
77 100  
97 23.6 10.4 31.4

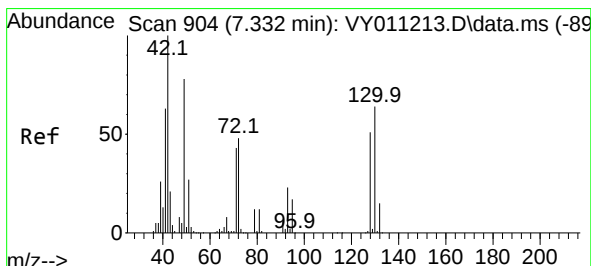
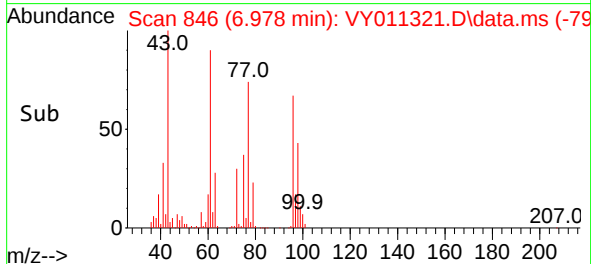
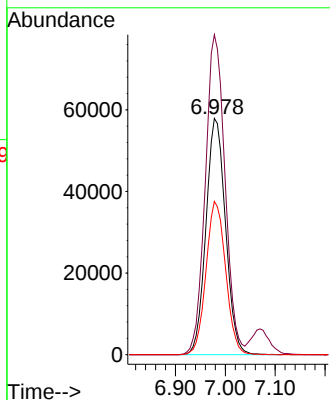
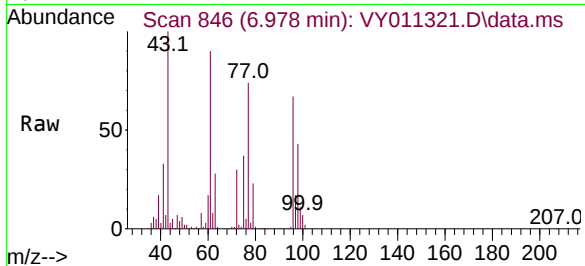




#27  
 cis-1,2-Dichloroethene  
 Concen: 54.153 ug/l  
 RT: 6.978 min Scan# 846  
 Delta R.T. -0.000 min  
 Lab File: VY011321.D  
 Acq: 05 Nov 2022 00:19

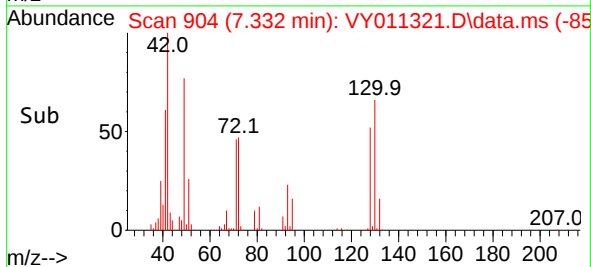
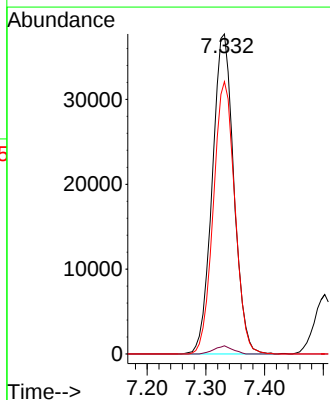
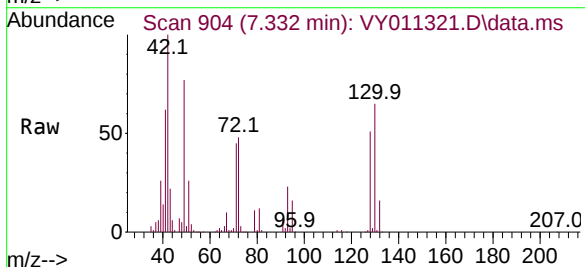
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

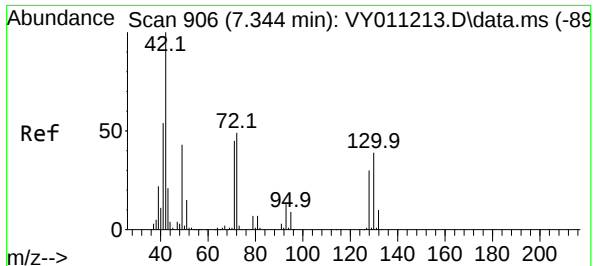
Tgt Ion: 96 Resp: 157952  
 Ion Ratio Lower Upper  
 96 100  
 61 136.7 0.0 319.8  
 98 65.1 0.0 127.0



#28  
 Bromochloromethane  
 Concen: 54.673 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.000 min  
 Lab File: VY011321.D  
 Acq: 05 Nov 2022 00:19

Tgt Ion: 49 Resp: 96130  
 Ion Ratio Lower Upper  
 49 100  
 129 2.2 0.0 2.2  
 130 84.7 55.4 83.0#





#29

Tetrahydrofuran

Concen: 276.623 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

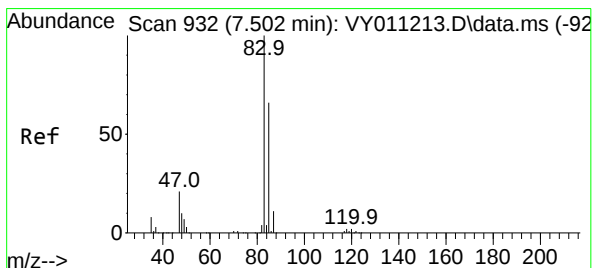
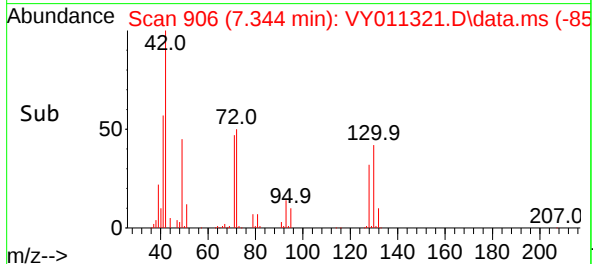
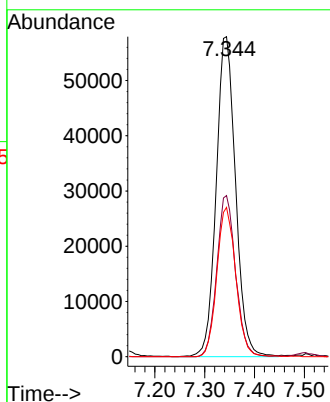
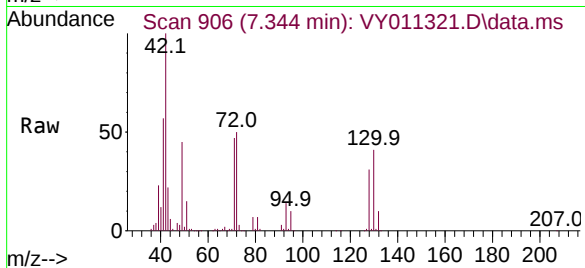
Tgt Ion: 42 Resp: 156518

Ion Ratio Lower Upper

42 100

72 48.8 30.3 45.5#

71 45.7 29.0 43.4#



#30

Chloroform

Concen: 54.097 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY011321.D

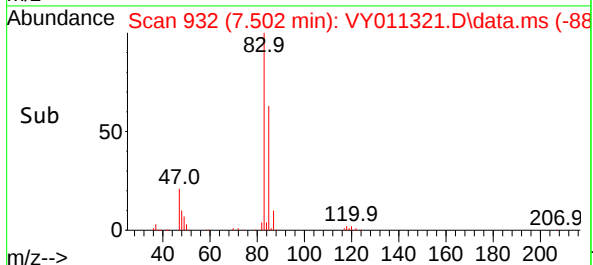
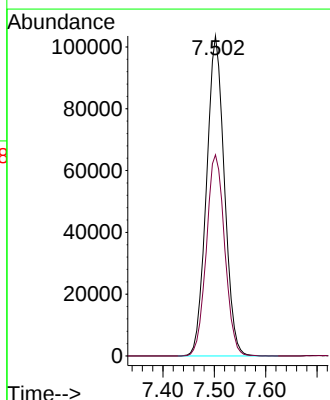
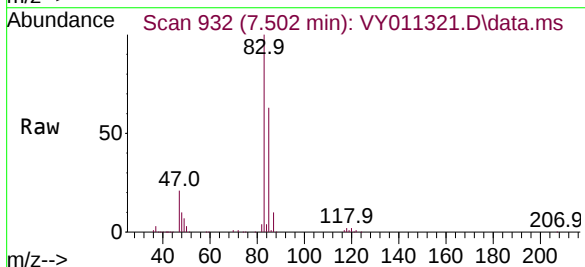
Acq: 05 Nov 2022 00:19

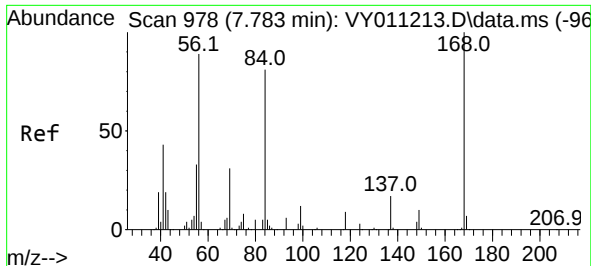
Tgt Ion: 83 Resp: 250092

Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.6

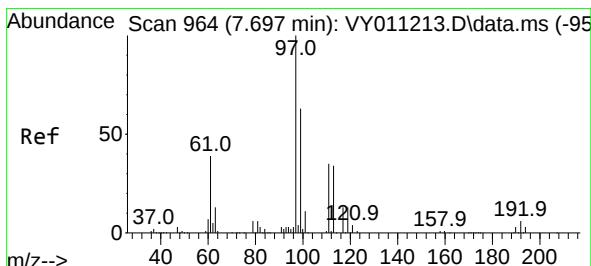
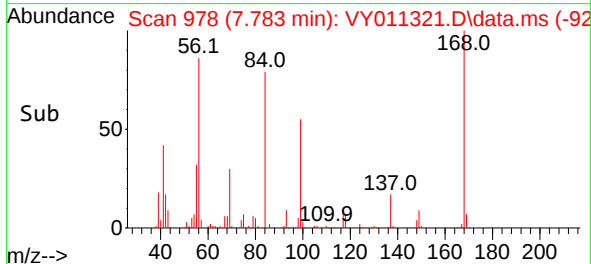
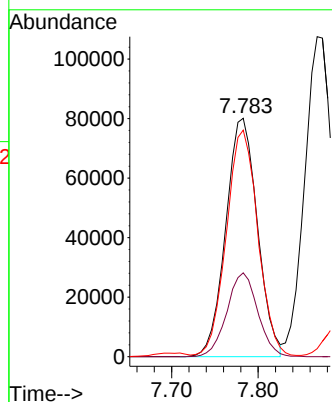
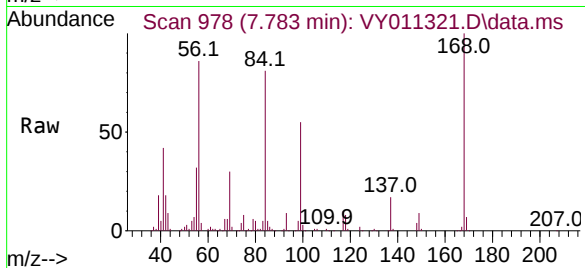




#31  
Cyclohexane  
Concen: 47.908 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

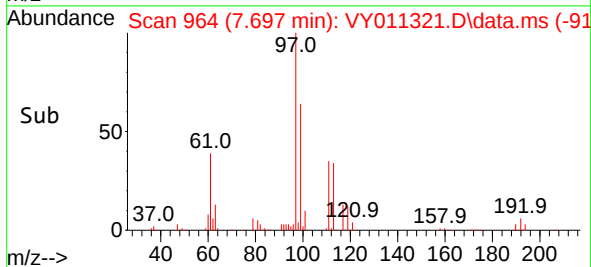
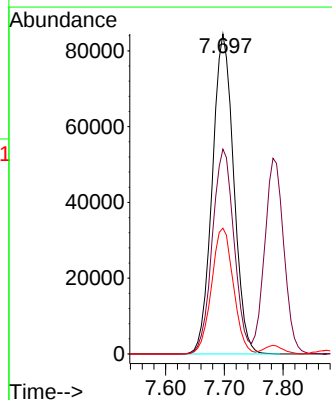
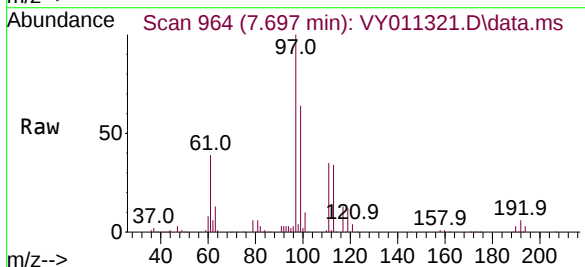
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

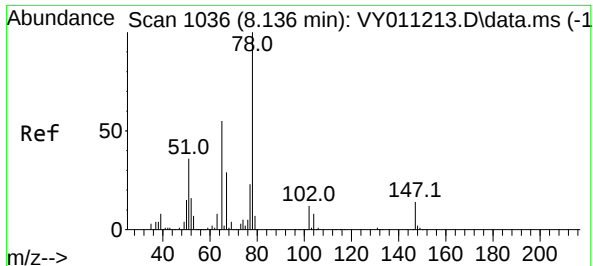
Tgt Ion: 56 Resp: 203195  
Ion Ratio Lower Upper  
56 100  
69 35.2 26.7 40.1  
84 93.5 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 52.114 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 97 Resp: 213692  
Ion Ratio Lower Upper  
97 100  
99 65.3 50.7 76.1  
61 40.1 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 49.571 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

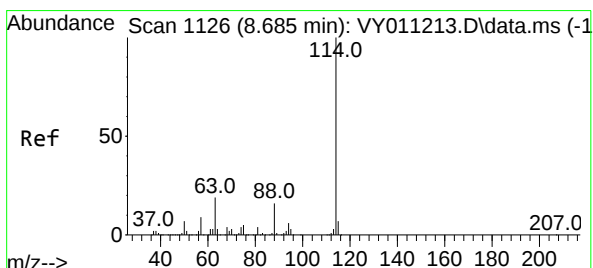
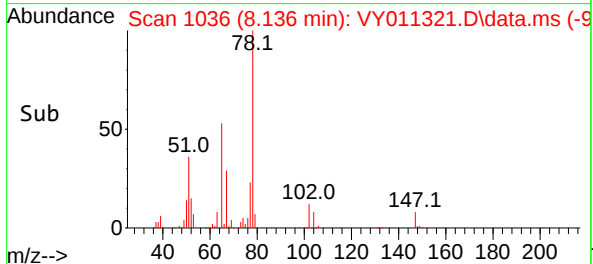
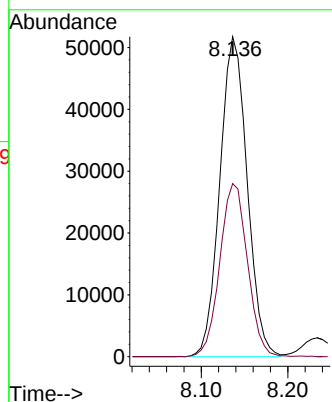
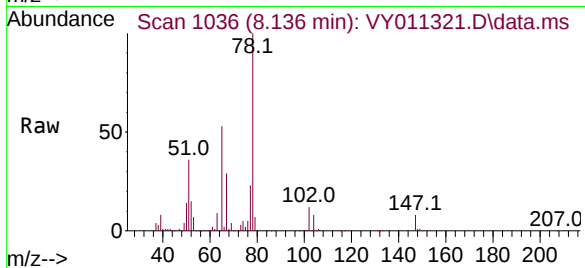
VSTDCCC050EC

Tgt Ion: 65 Resp: 113434

Ion Ratio Lower Upper

65 100

67 54.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

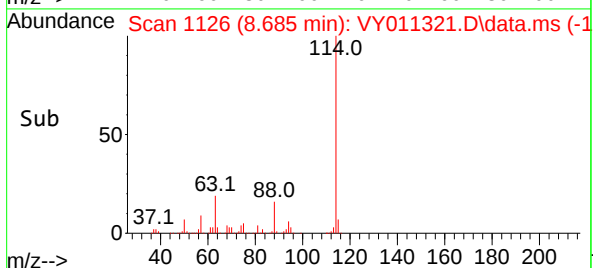
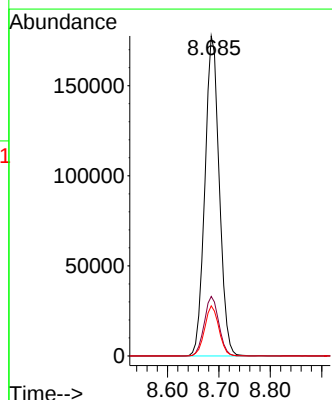
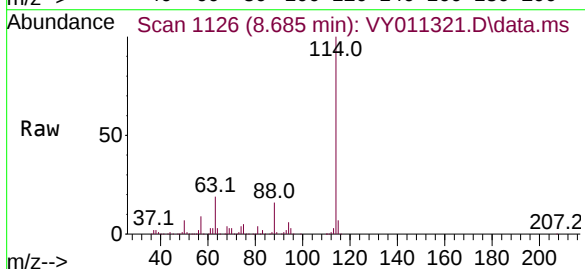
Tgt Ion: 114 Resp: 344296

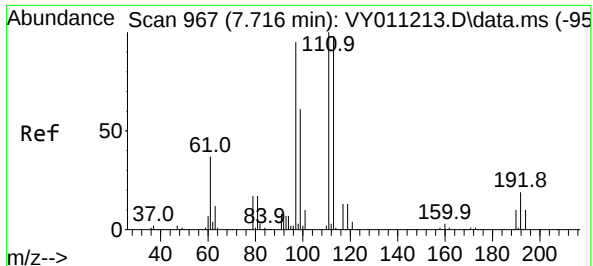
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.7 0.0 31.8

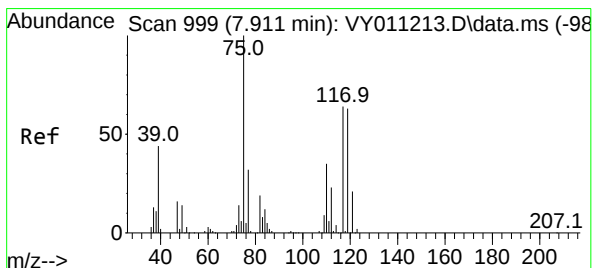
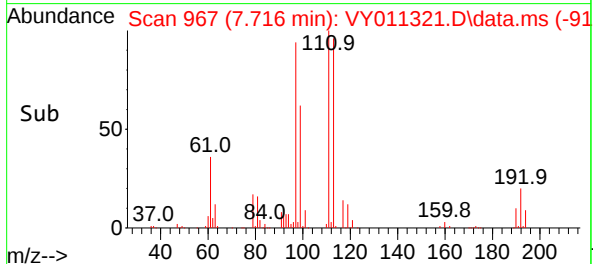
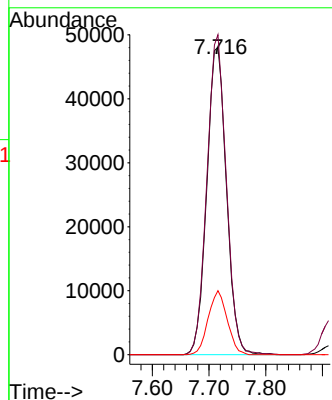
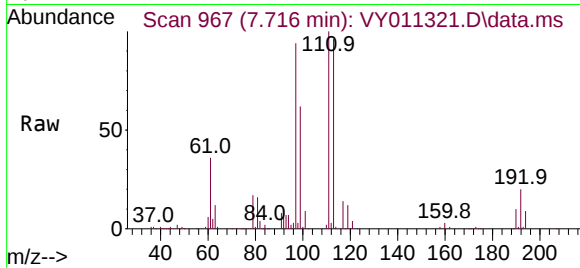




#35  
Dibromofluoromethane  
Concen: 52.363 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

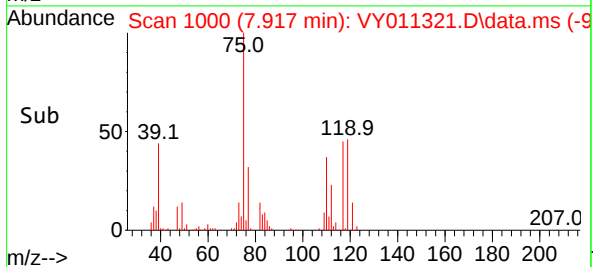
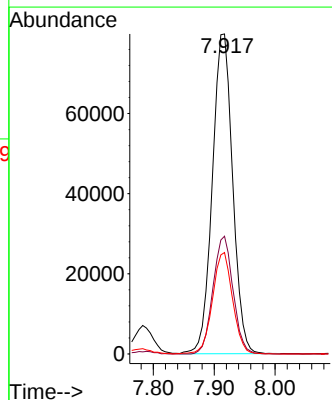
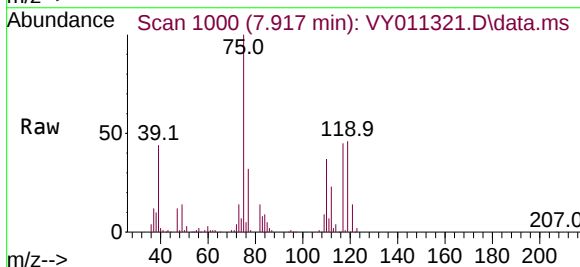
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

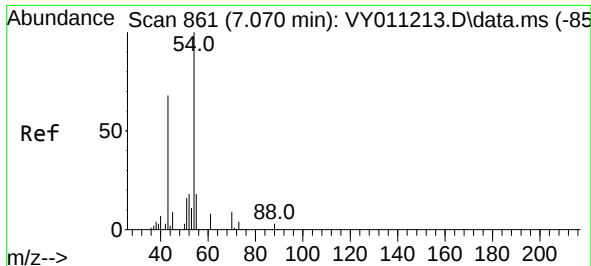
Tgt Ion:113 Resp: 115832  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.6 124.0  
192 20.1 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 51.268 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 75 Resp: 185203  
Ion Ratio Lower Upper  
75 100  
110 36.2 17.1 51.2  
77 31.4 24.4 36.6

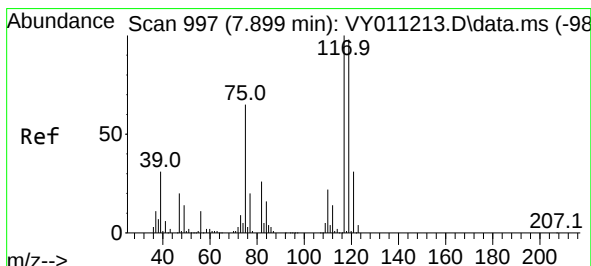
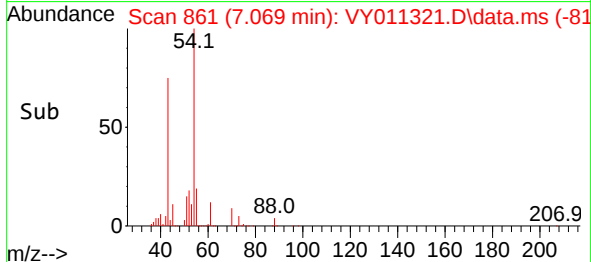
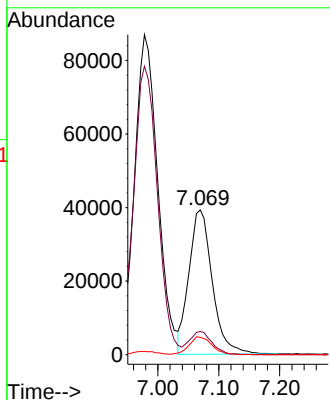
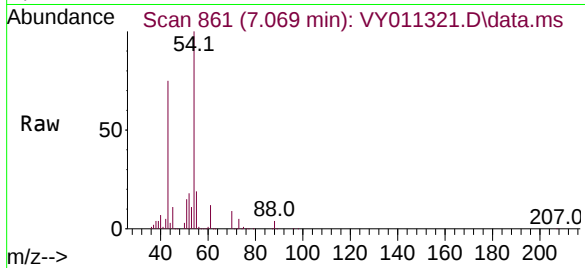




#37  
Ethyl Acetate  
Concen: 53.742 ug/l  
RT: 7.069 min Scan# 861  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

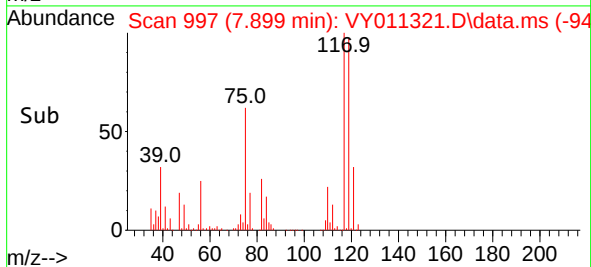
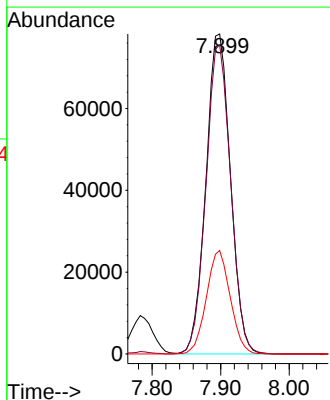
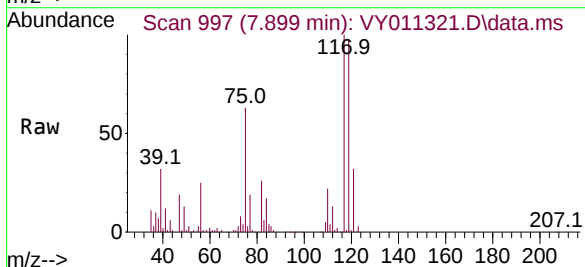
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

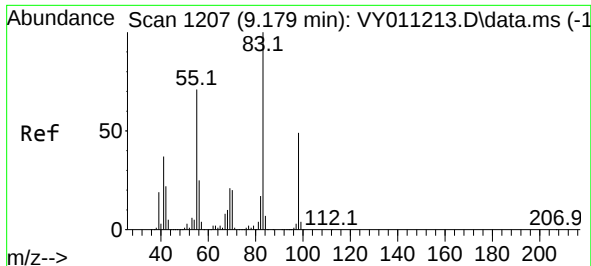
Tgt Ion: 43 Resp: 104655  
Ion Ratio Lower Upper  
43 100  
61 15.6 9.7 14.5#  
70 12.0 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 52.003 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 117 Resp: 194894  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.9 116.9  
121 32.3 24.8 37.2





#39

Methylcyclohexane

Concen: 51.030 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

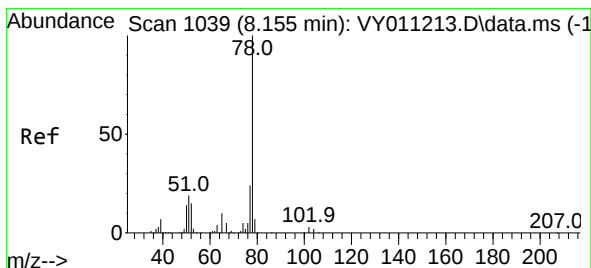
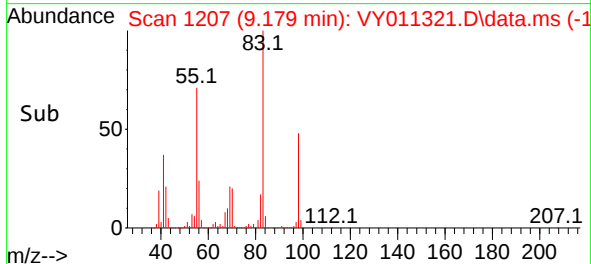
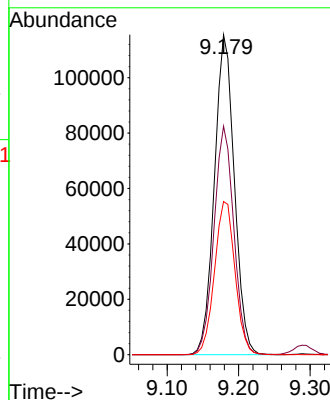
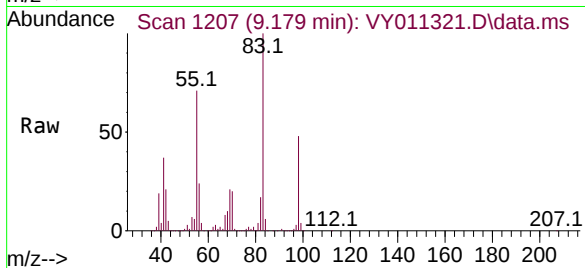
Tgt Ion: 83 Resp: 224271

Ion Ratio Lower Upper

83 100

55 71.4 66.5 99.7

98 47.9 37.9 56.9



#40

Benzene

Concen: 53.030 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY011321.D

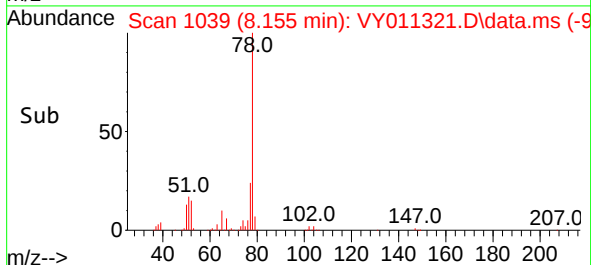
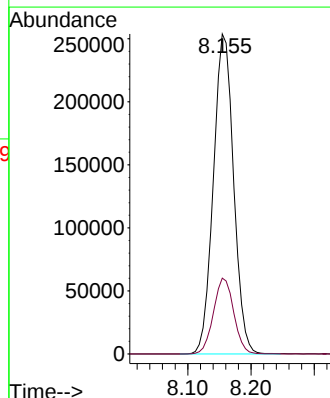
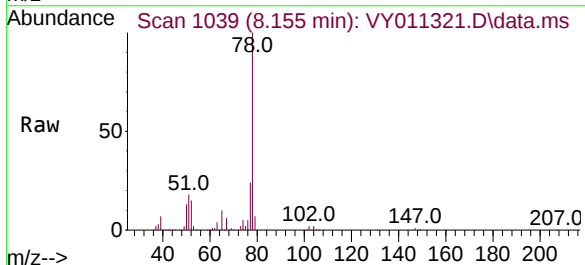
Acq: 05 Nov 2022 00:19

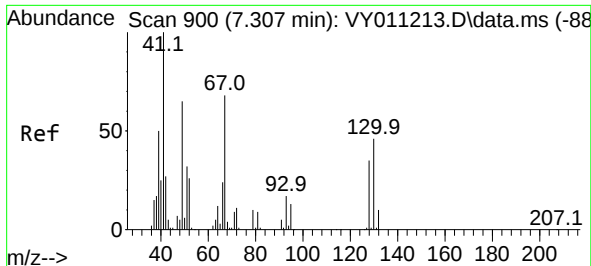
Tgt Ion: 78 Resp: 563021

Ion Ratio Lower Upper

78 100

77 23.7 20.4 30.6

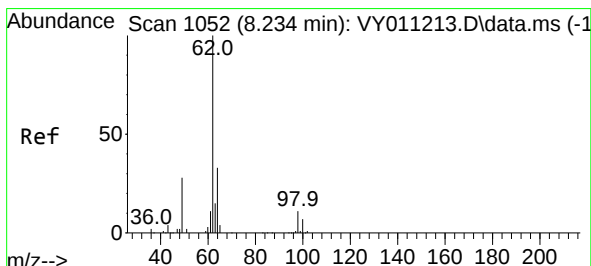
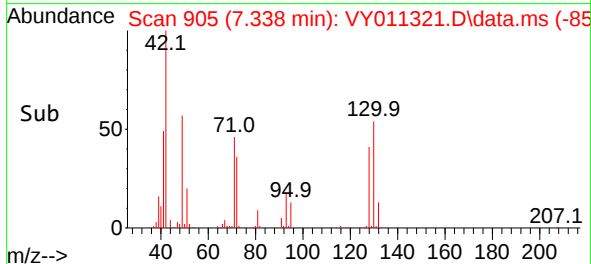
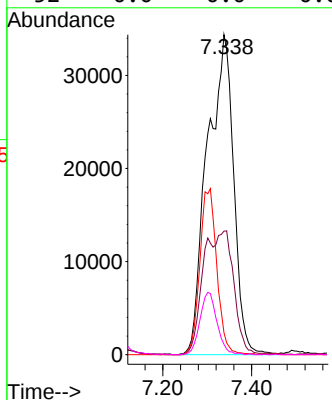
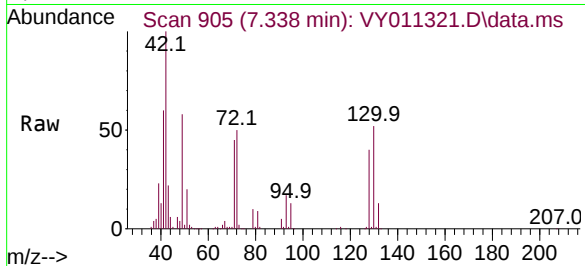




#41  
Methacrylonitrile  
Concen: 133.468 ug/l  
RT: 7.338 min Scan# 900  
Delta R.T. 0.031 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

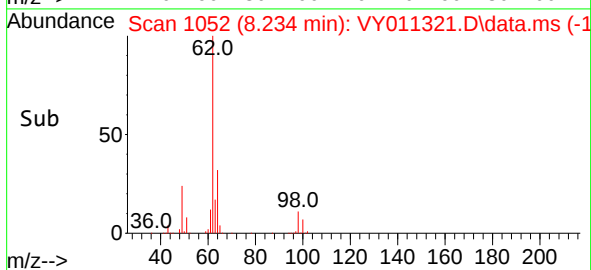
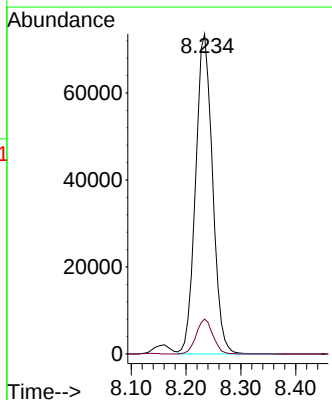
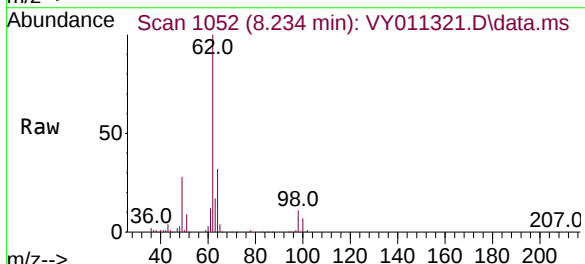
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

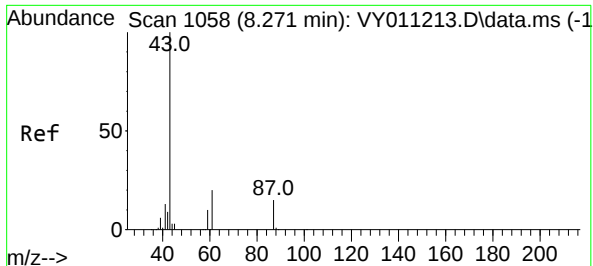
Tgt Ion: 41 Resp: 141226  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 54.832 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 62 Resp: 158083  
Ion Ratio Lower Upper  
62 100  
98 10.7 0.0 14.8





#43

Isopropyl Acetate

Concen: 54.408 ug/l

RT: 8.270 min Scan# 11058

Delta R.T. -0.001 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

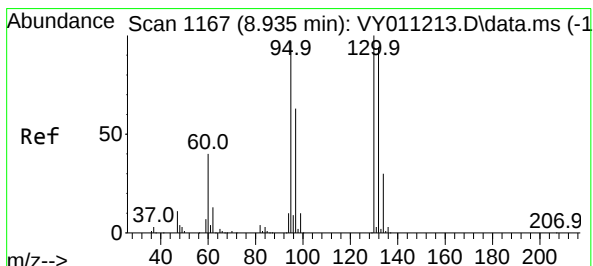
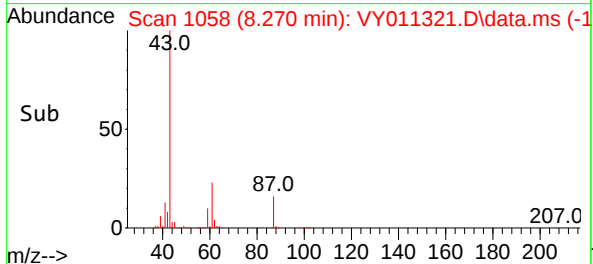
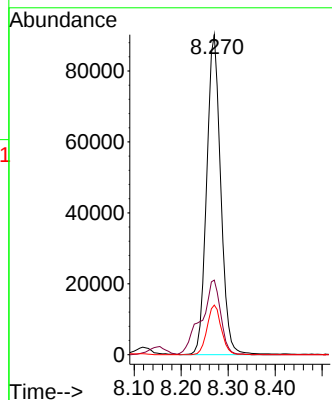
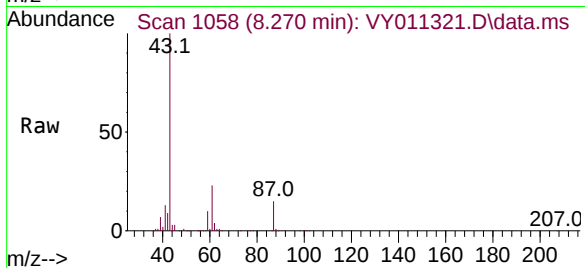
Tgt Ion: 43 Resp: 186673

Ion Ratio Lower Upper

43 100

61 32.4 20.2 30.2#

87 15.6 8.9 13.3#



#44

Trichloroethene

Concen: 53.413 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VY011321.D

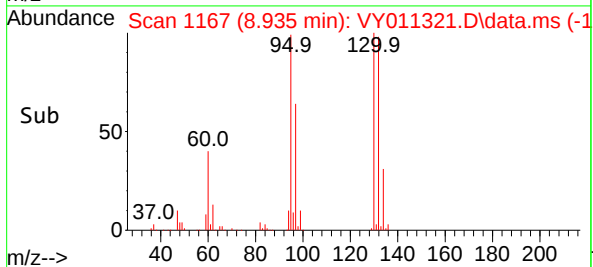
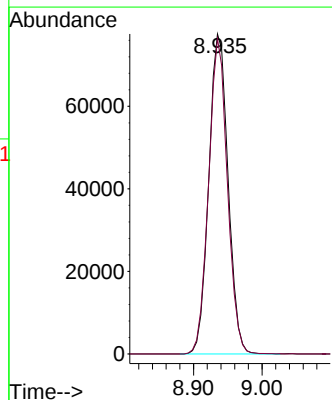
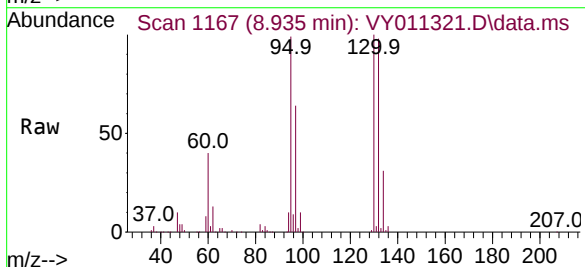
Acq: 05 Nov 2022 00:19

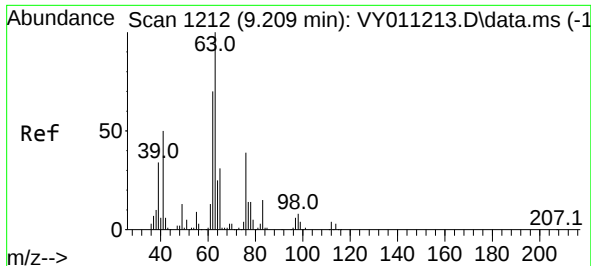
Tgt Ion:130 Resp: 151763

Ion Ratio Lower Upper

130 100

95 98.6 0.0 188.2





#45

1,2-Dichloropropane

Concen: 54.250 ug/l

RT: 9.215 min Scan# 1213

Delta R.T. -0.001 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

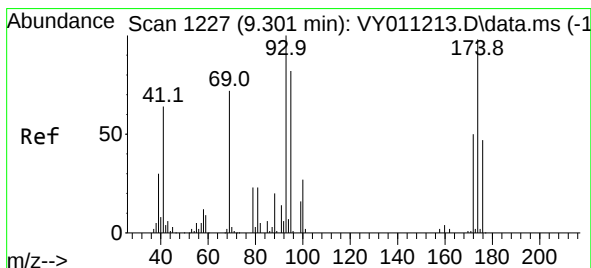
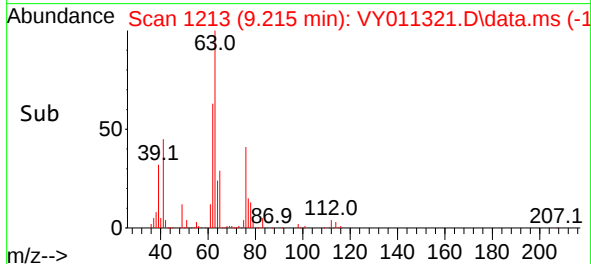
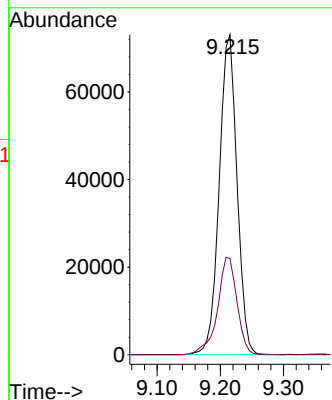
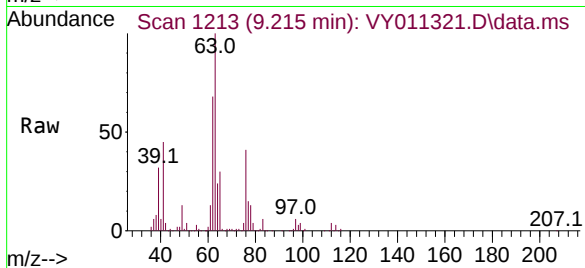
VSTDCCC050EC

Tgt Ion: 63 Resp: 142395

Ion Ratio Lower Upper

63 100

65 30.1 23.0 34.6



#46

Dibromomethane

Concen: 55.203 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

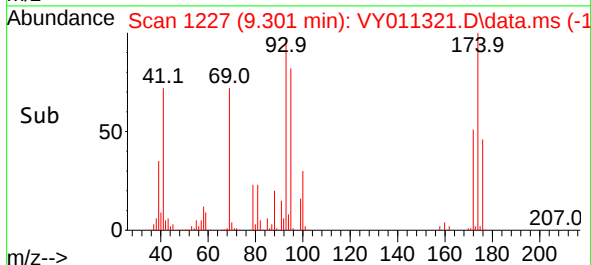
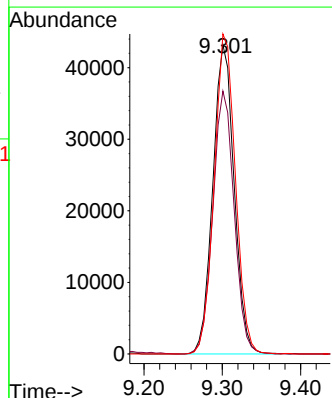
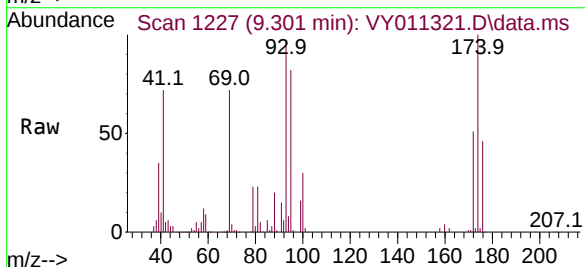
Tgt Ion: 93 Resp: 81869

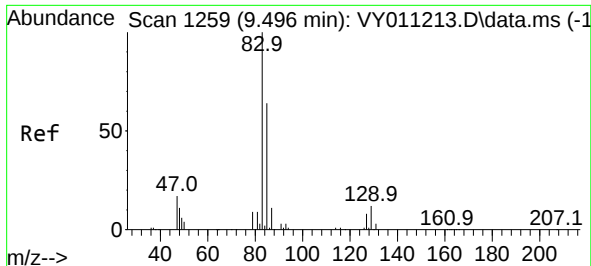
Ion Ratio Lower Upper

93 100

95 84.8 64.3 96.5

174 103.1 83.4 125.0

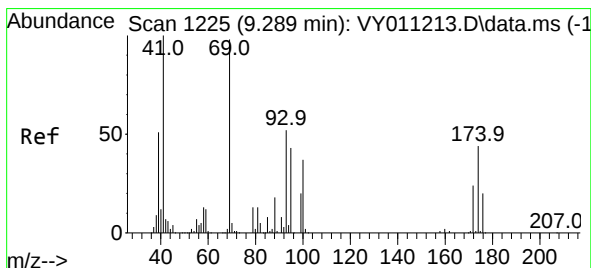
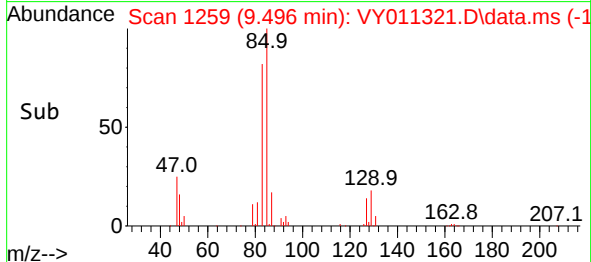
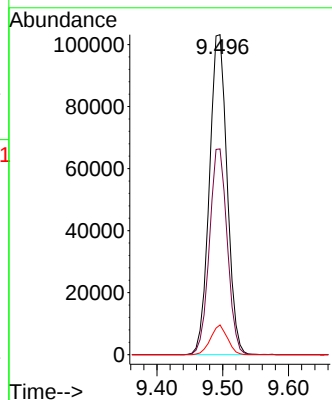
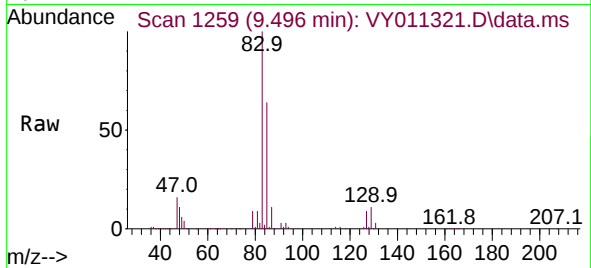




#47  
Bromodichloromethane  
Concen: 55.027 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

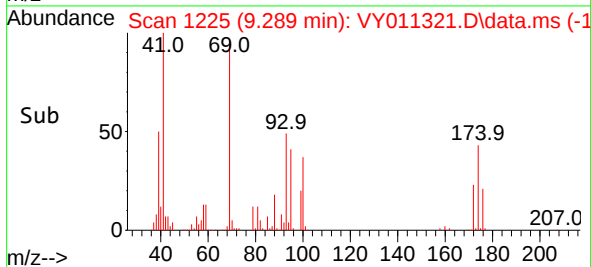
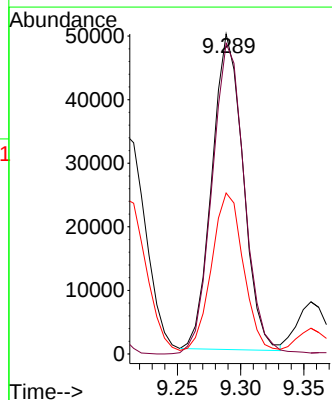
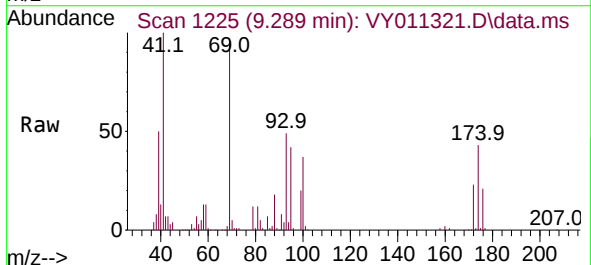
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

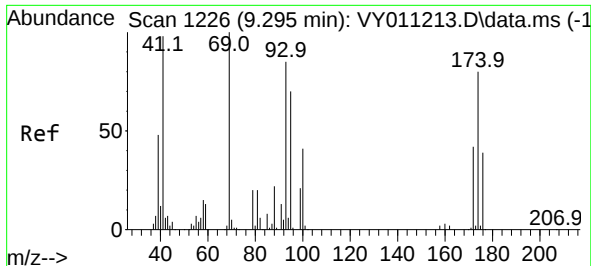
Tgt Ion: 83 Resp: 193452  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.9 77.9  
127 9.3 6.6 10.0



#48  
Methyl methacrylate  
Concen: 54.024 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 41 Resp: 85137  
Ion Ratio Lower Upper  
41 100  
69 103.0 58.2 87.2#  
39 51.0 47.4 71.0

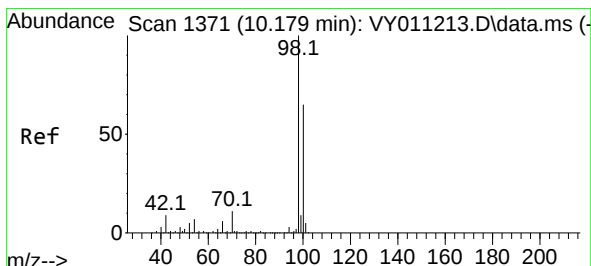
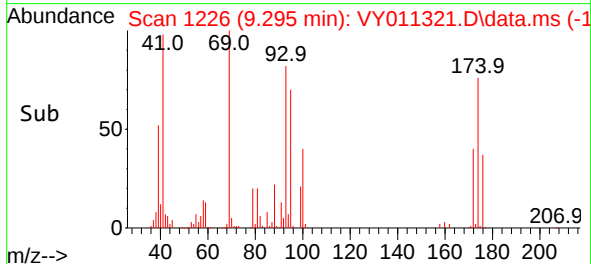
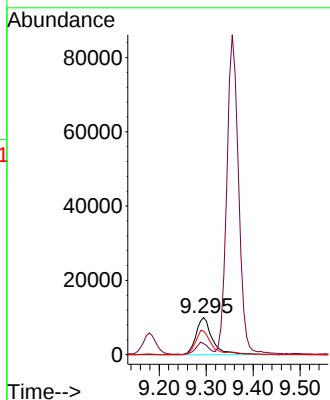
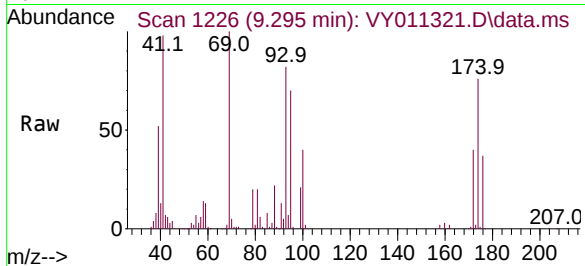




#49  
1,4-Dioxane  
Concen: 1209.796 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

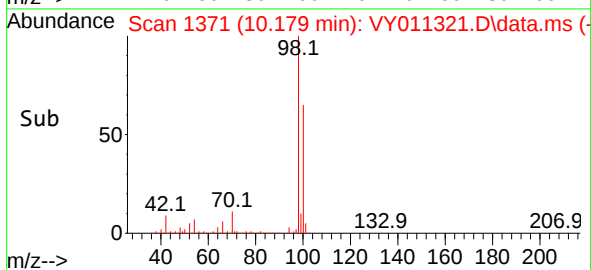
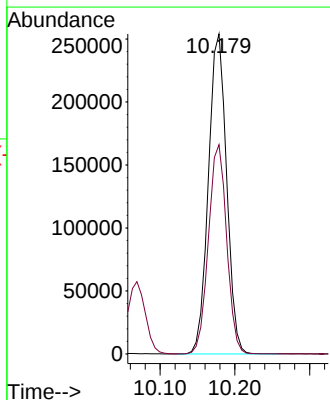
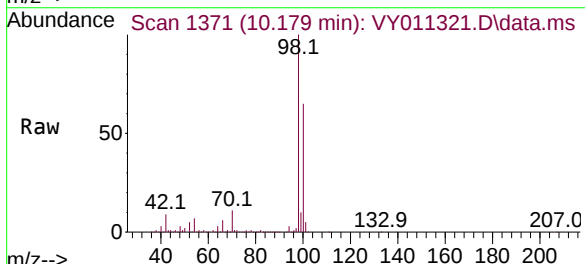
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

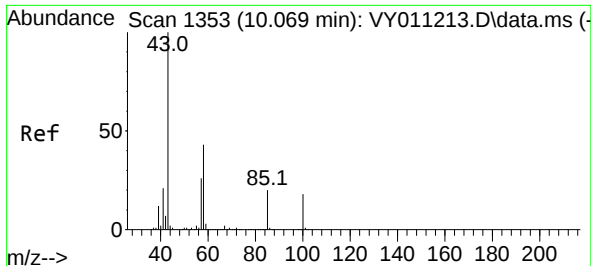
Tgt Ion: 88 Resp: 24137  
Ion Ratio Lower Upper  
88 100  
43 25.8 32.8 49.2#  
58 60.6 59.8 89.6



#50  
Toluene-d8  
Concen: 50.123 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 98 Resp: 430489  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2

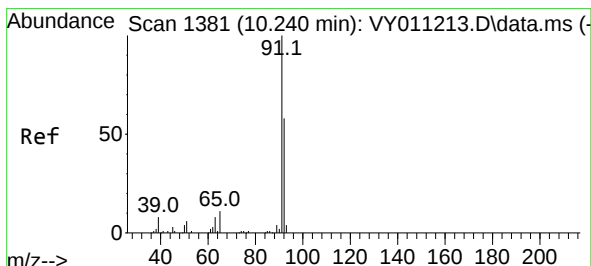
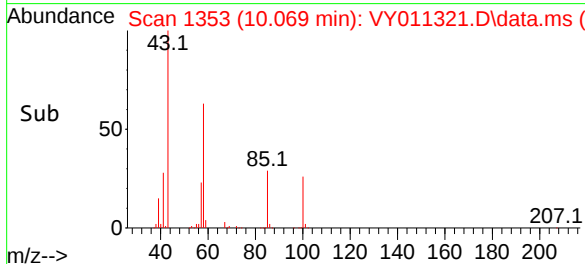
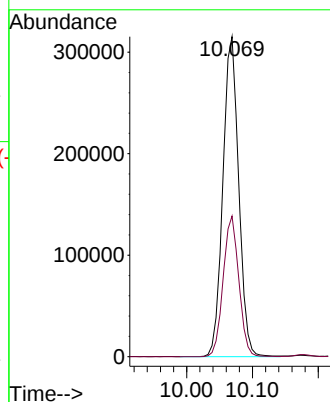
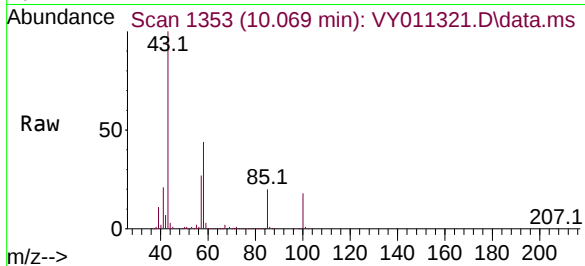




#51  
4-Methyl-2-Pentanone  
Concen: 282.563 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

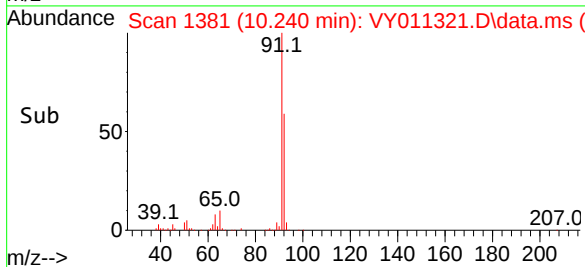
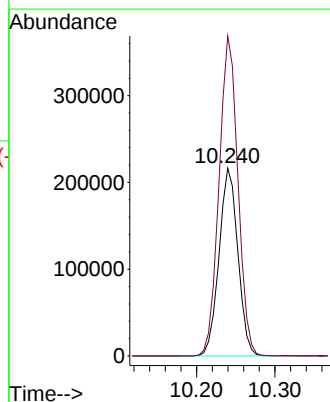
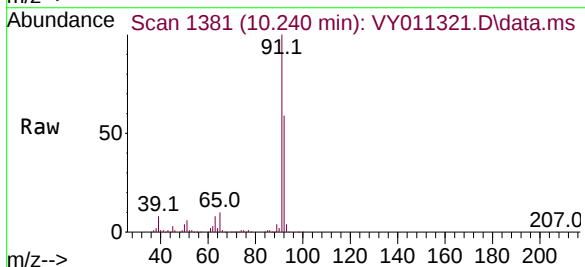
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

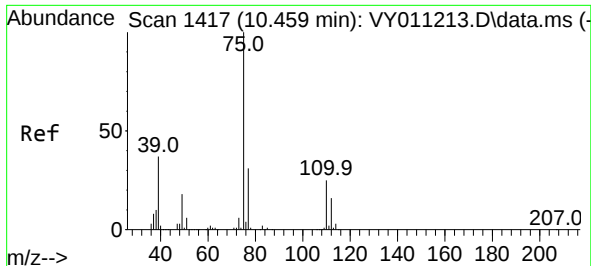
Tgt Ion: 43 Resp: 527129  
Ion Ratio Lower Upper  
43 100  
58 43.6 28.1 42.1#



#52  
Toluene  
Concen: 54.937 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 92 Resp: 361661  
Ion Ratio Lower Upper  
92 100  
91 171.1 142.6 213.8

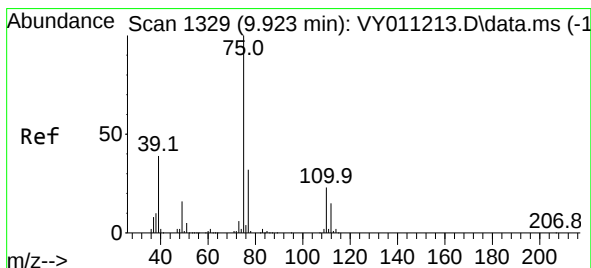
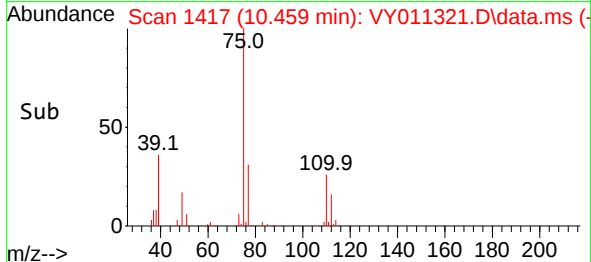
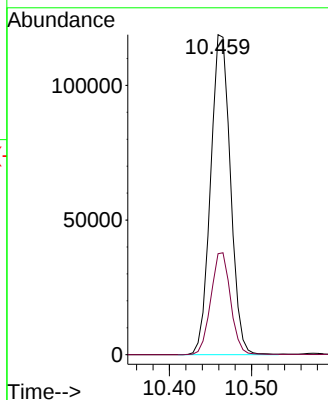
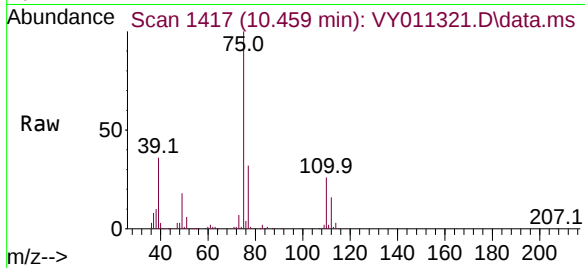




#53  
t-1,3-Dichloropropene  
Concen: 53.853 ug/l  
RT: 10.459 min Scan# 1417  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

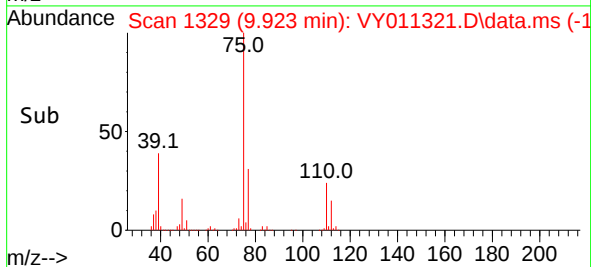
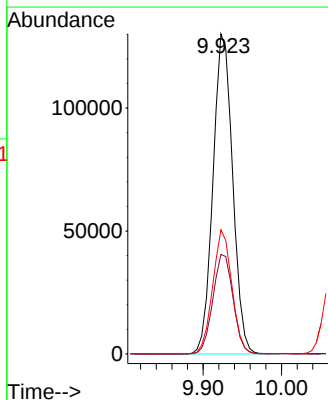
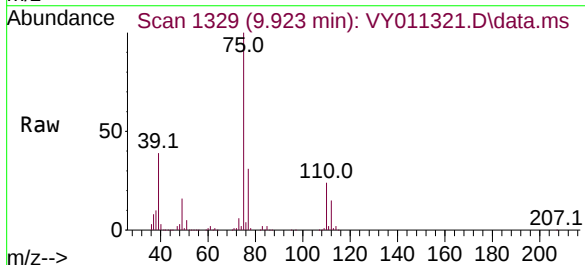
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

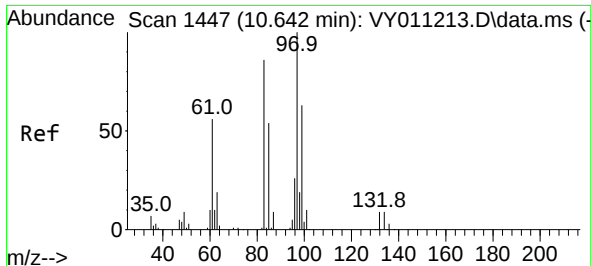
Tgt Ion: 75 Resp: 199388  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 53.630 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 75 Resp: 227206  
Ion Ratio Lower Upper  
75 100  
77 31.1 25.6 38.4  
39 38.8 47.6 71.4#

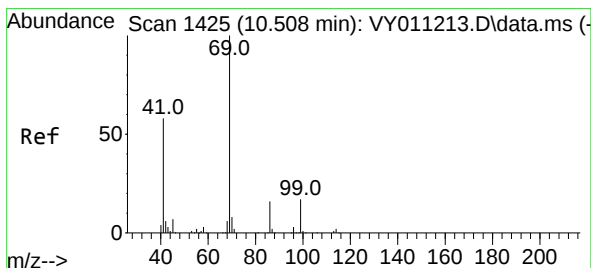
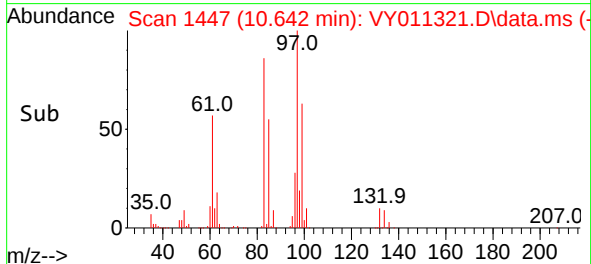
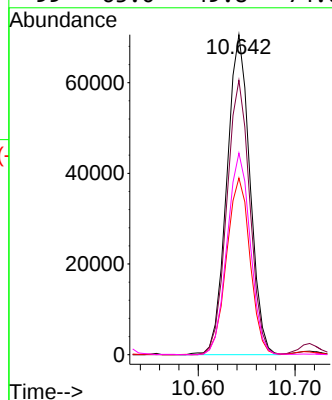
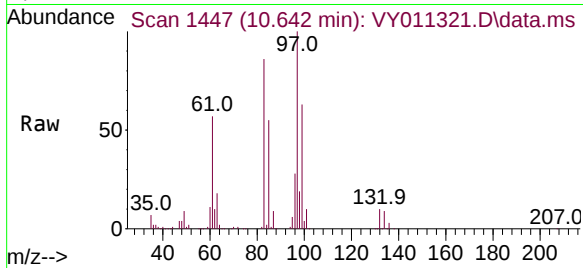




#55  
1,1,2-Trichloroethane  
Concen: 55.148 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

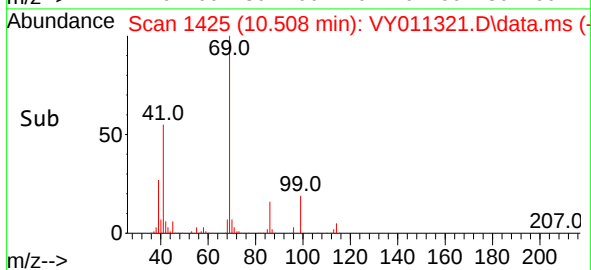
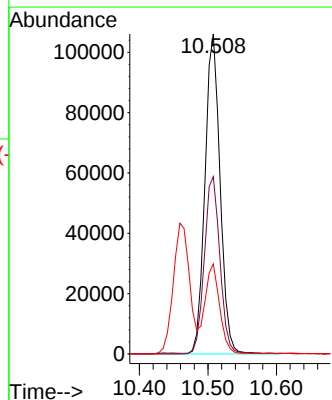
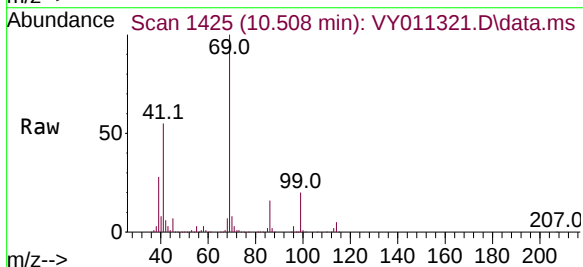
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

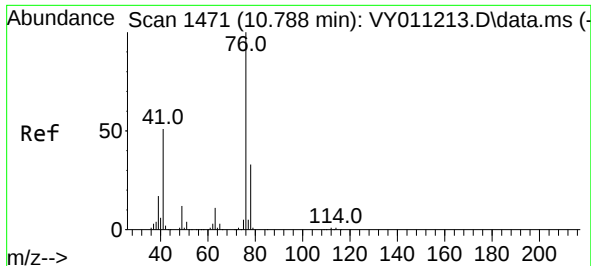
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 117217 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 69.8  | 104.8  |
| 85       | 55.1  | 44.3  | 66.5   |
| 99       | 63.0  | 49.8  | 74.6   |



#56  
Ethyl methacrylate  
Concen: 58.198 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 163397 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 56.4  | 63.4  | 95.0#  |
| 39       | 27.6  | 35.8  | 53.8#  |





#57

1,3-Dichloropropane

Concen: 54.983 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

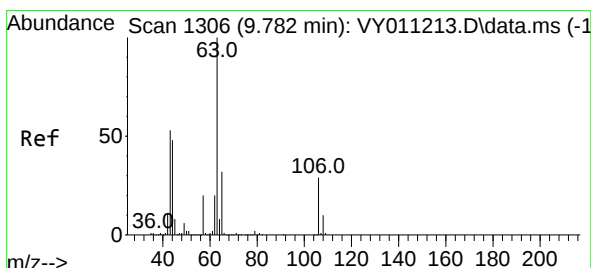
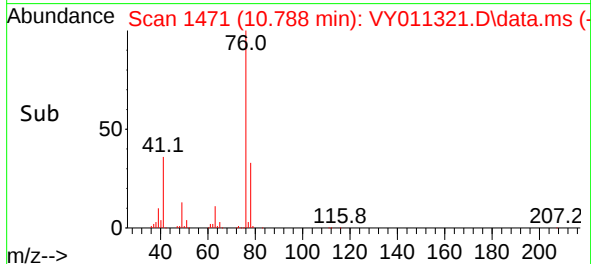
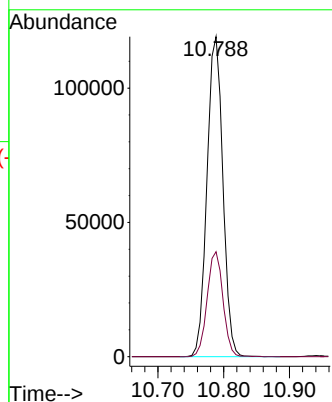
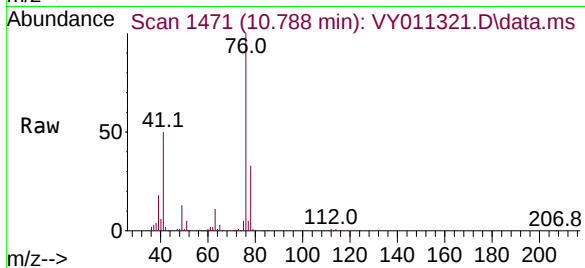
VSTDCCC050EC

Tgt Ion: 76 Resp: 200038

Ion Ratio Lower Upper

76 100

78 32.7 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 288.564 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.007 min

Lab File: VY011321.D

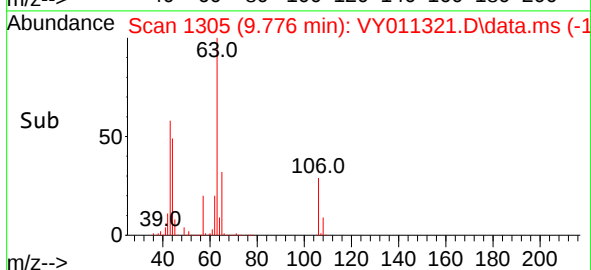
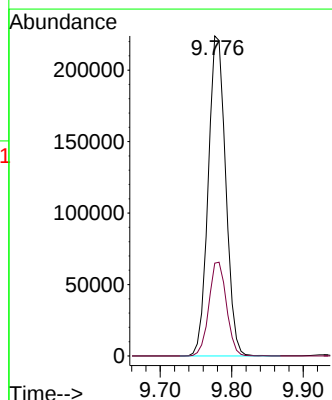
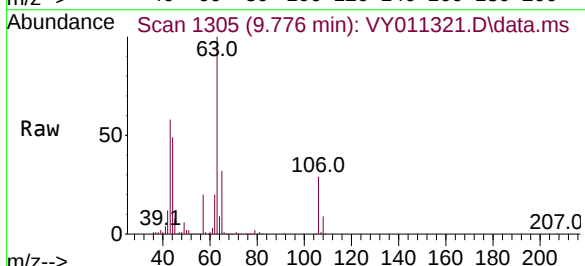
Acq: 05 Nov 2022 00:19

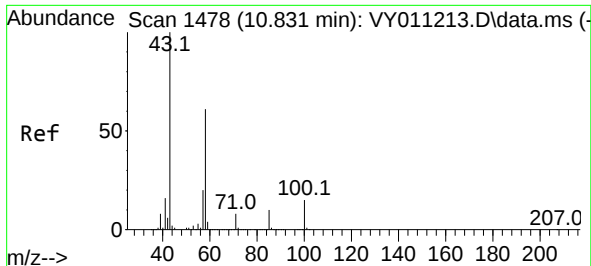
Tgt Ion: 63 Resp: 379814

Ion Ratio Lower Upper

63 100

106 29.4 21.5 32.3

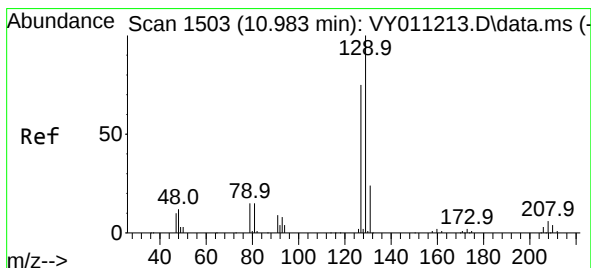
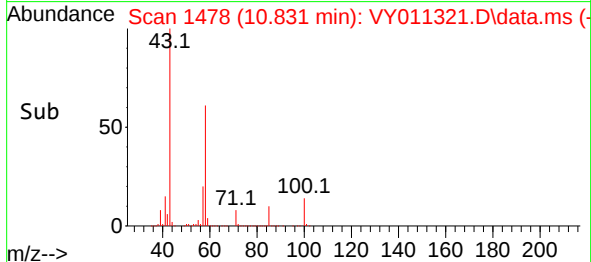
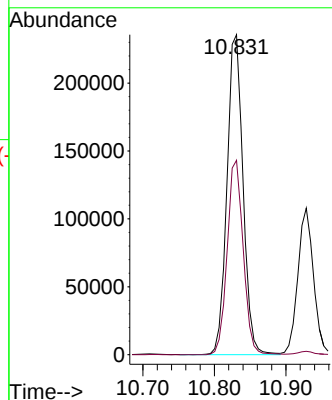
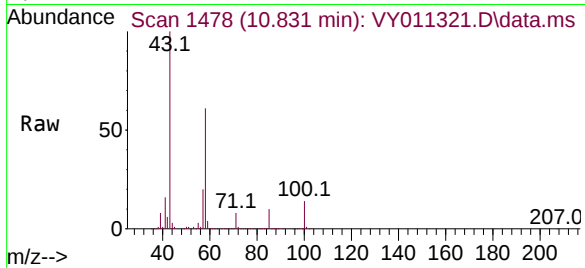




#59  
2-Hexanone  
Concen: 275.765 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

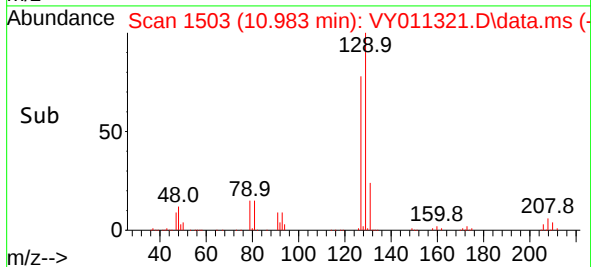
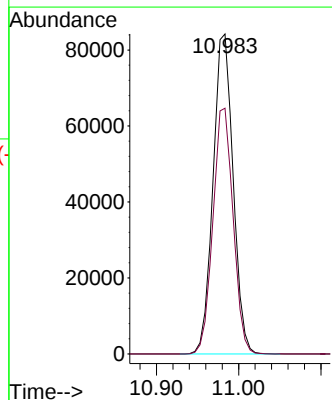
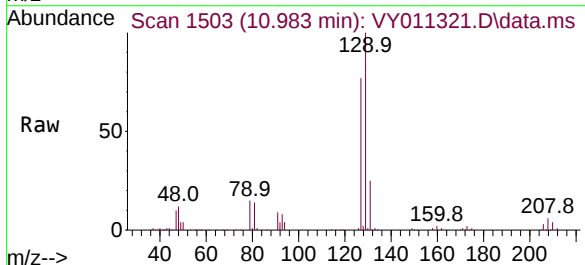
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

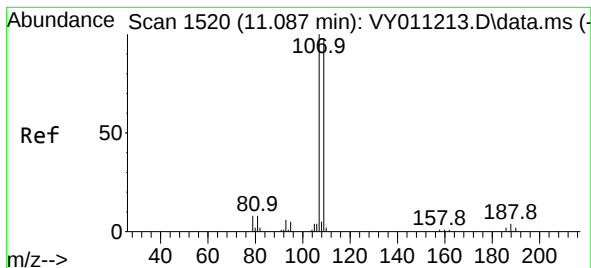
Tgt Ion: 43 Resp: 367278  
Ion Ratio Lower Upper  
43 100  
58 60.6 24.4 73.4



#60  
Dibromochloromethane  
Concen: 56.522 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 129 Resp: 142740  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.7 116.1

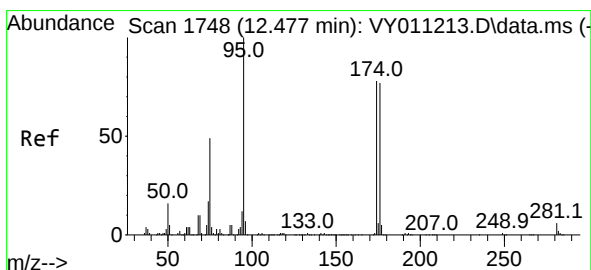
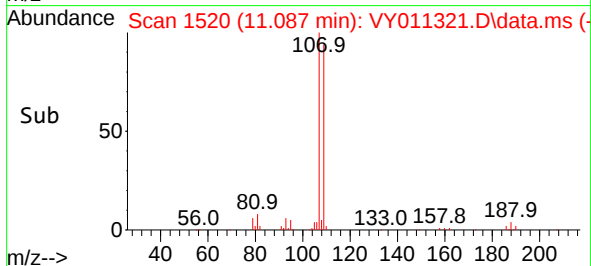
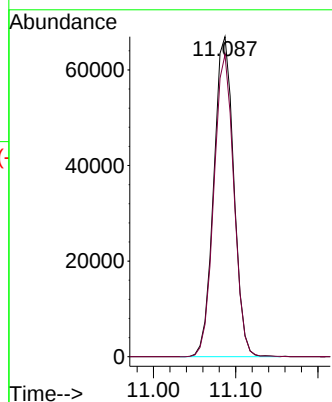
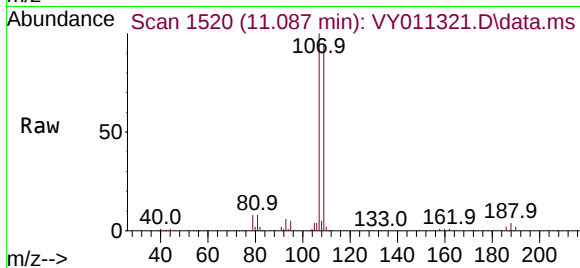




#61  
1,2-Dibromoethane  
Concen: 56.103 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

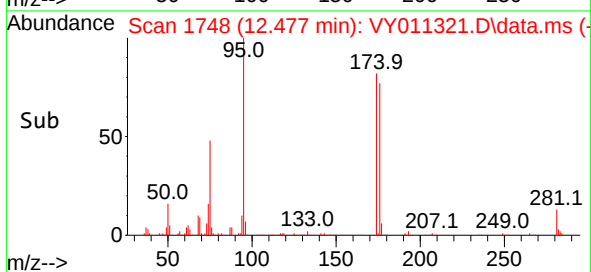
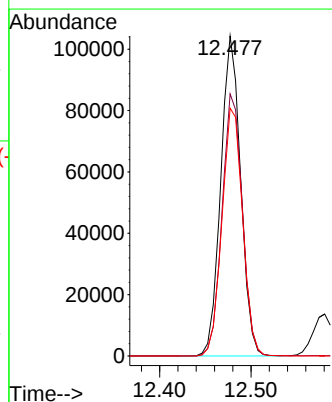
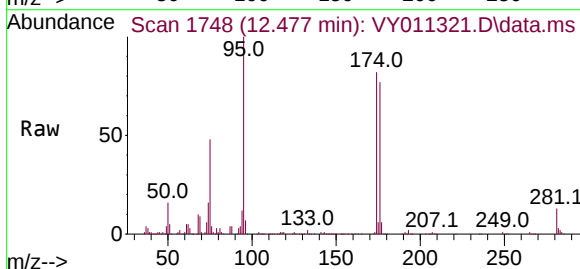
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

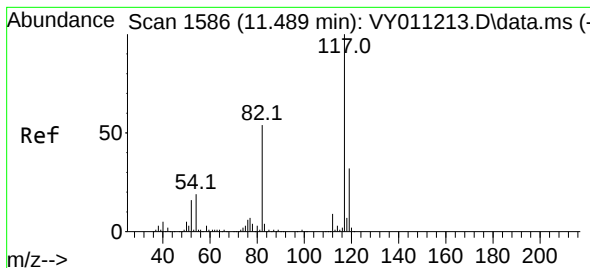
Tgt Ion:107 Resp: 113211  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 52.885 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 95 Resp: 157683  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 177.0  
176 80.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

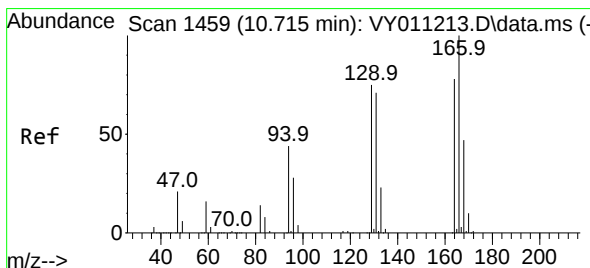
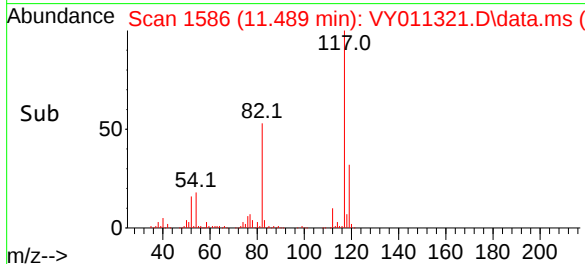
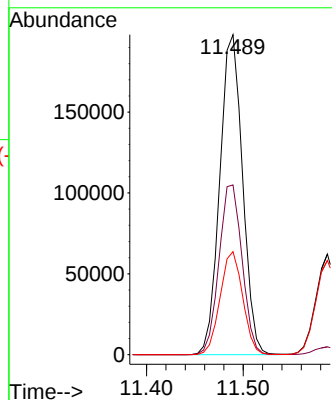
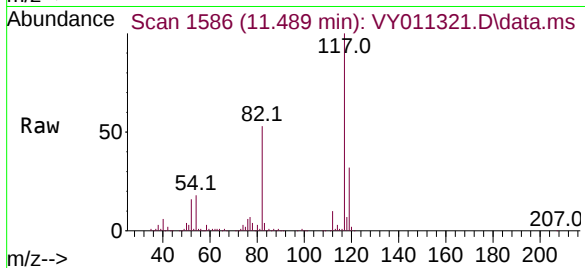
Tgt Ion:117 Resp: 323014

Ion Ratio Lower Upper

117 100

82 53.0 43.0 64.4

119 32.2 25.4 38.0



#64

Tetrachloroethene

Concen: 55.915 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Tgt Ion:164 Resp: 153420

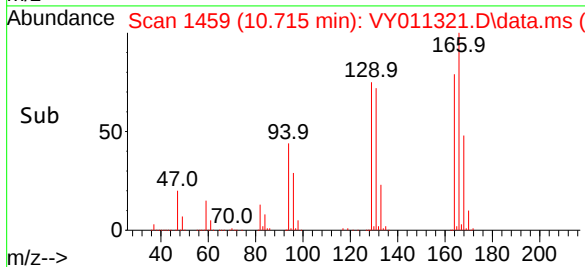
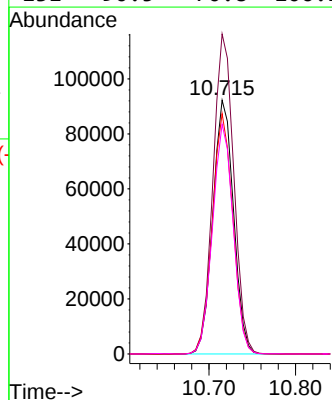
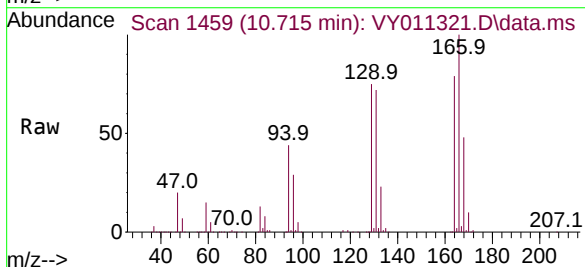
Ion Ratio Lower Upper

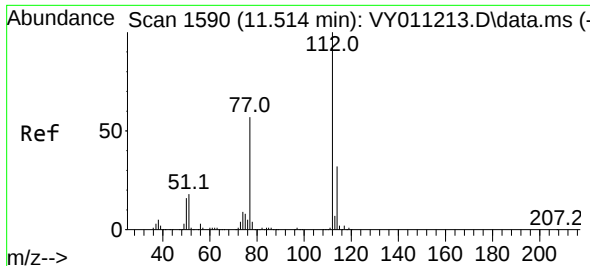
164 100

166 126.1 100.4 150.6

129 94.7 71.4 107.0

131 90.5 70.8 106.2

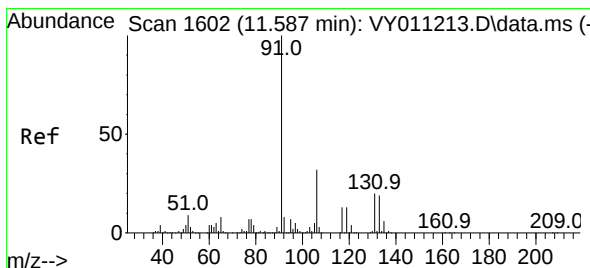
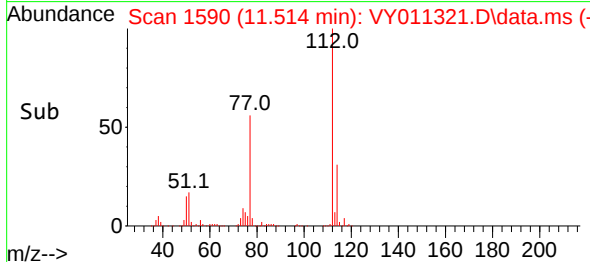
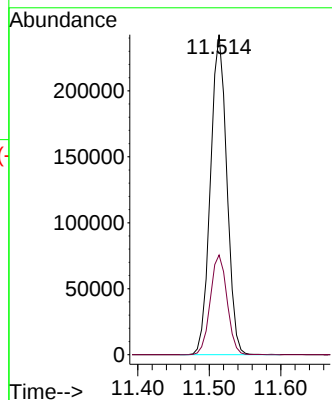
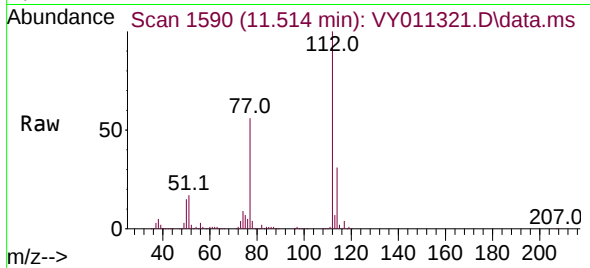




#65  
Chlorobenzene  
Concen: 54.103 ug/l  
RT: 11.514 min Scan# 11590  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

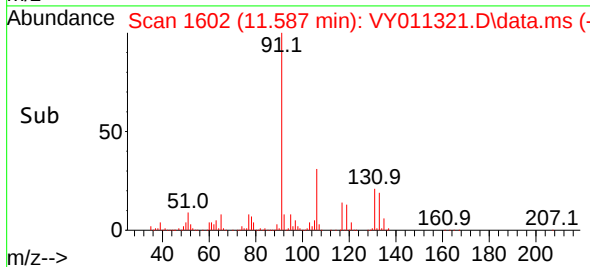
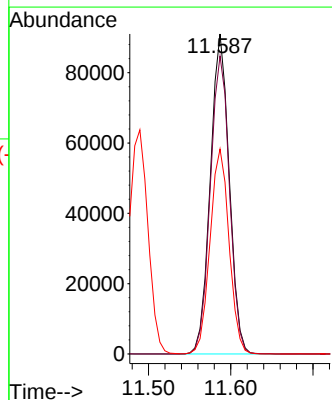
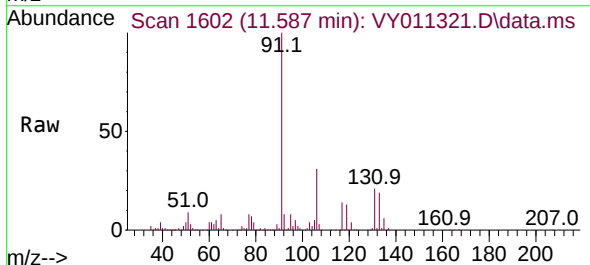
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

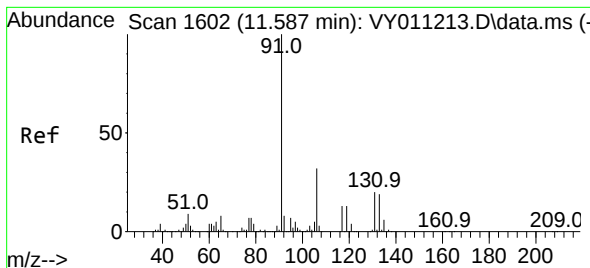
Tgt Ion:112 Resp: 385558  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.520 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion:131 Resp: 145682  
Ion Ratio Lower Upper  
131 100  
133 94.4 47.9 143.6  
119 64.5 30.8 92.3

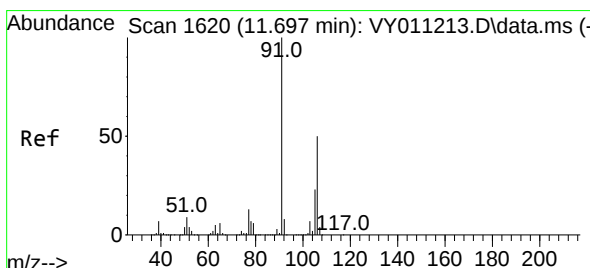
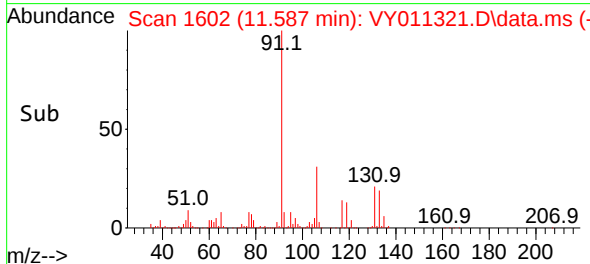
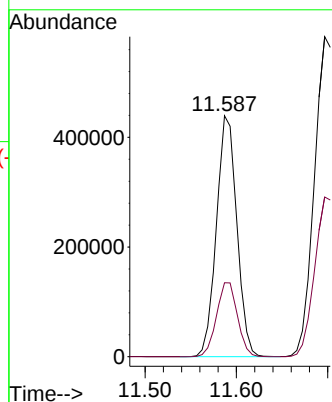
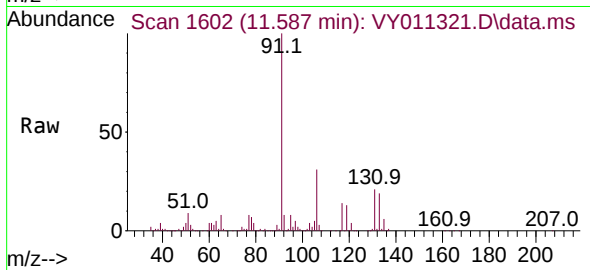




#67  
Ethyl Benzene  
Concen: 53.975 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

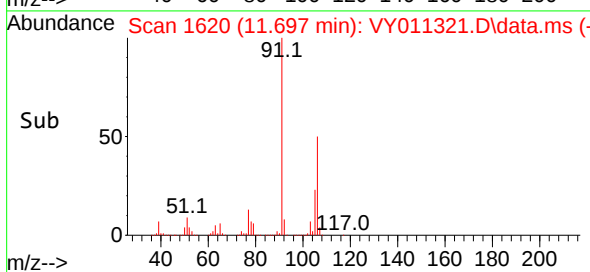
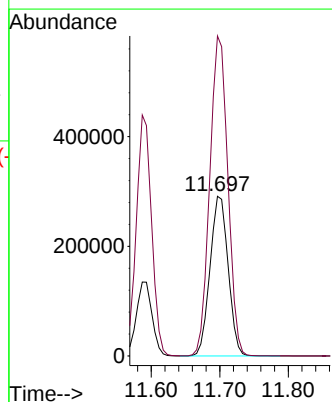
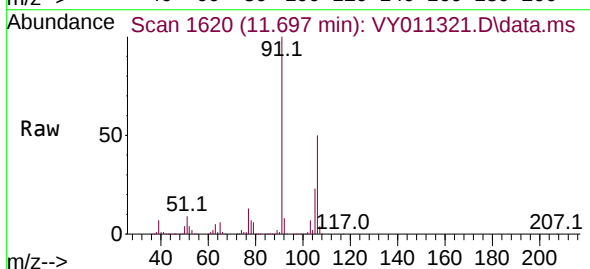
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

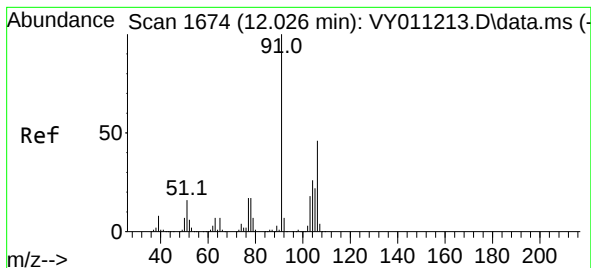
Tgt Ion: 91 Resp: 682312  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.5 36.7



#68  
m/p-Xylenes  
Concen: 109.137 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion:106 Resp: 535541  
Ion Ratio Lower Upper  
106 100  
91 199.9 166.6 249.8

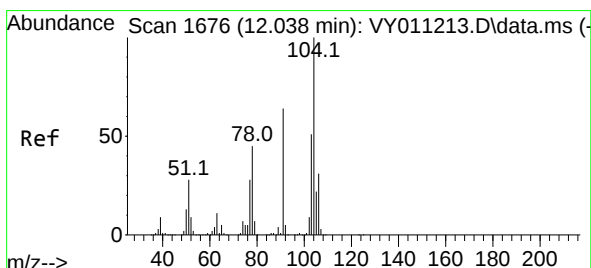
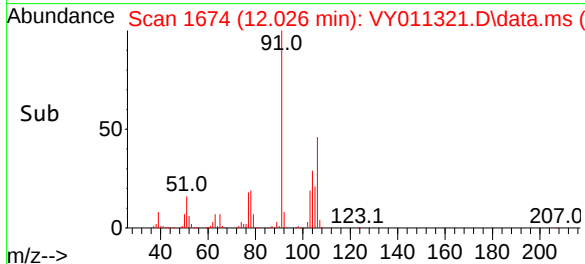
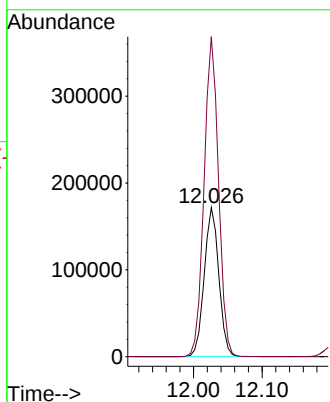
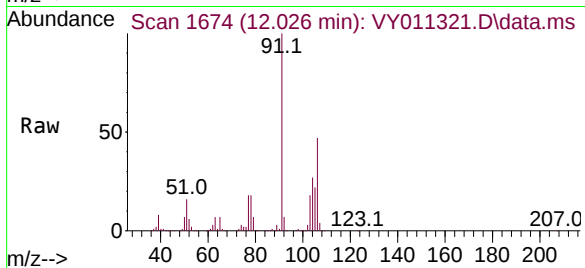




#69  
o-Xylene  
Concen: 55.416 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

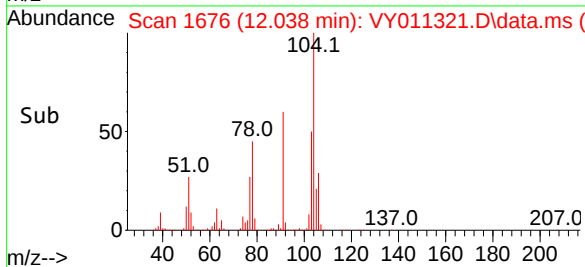
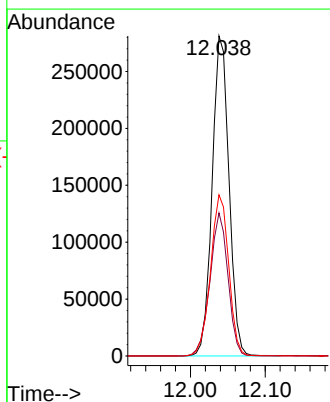
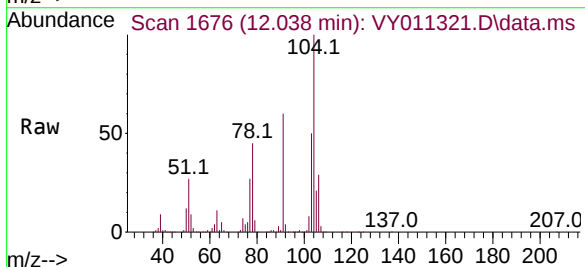
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

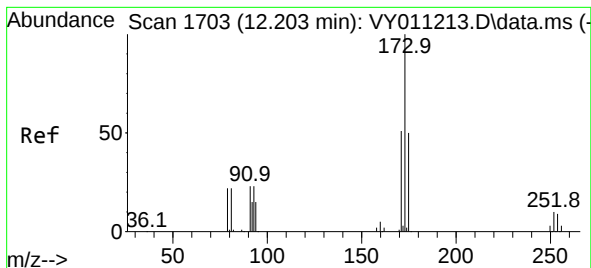
Tgt Ion:106 Resp: 254903  
Ion Ratio Lower Upper  
106 100  
91 212.3 110.3 331.0



#70  
Styrene  
Concen: 56.471 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion:104 Resp: 440350  
Ion Ratio Lower Upper  
104 100  
78 47.8 42.4 63.6  
103 54.4 44.4 66.6





#71

Bromoform

Concen: 56.726 ug/l

RT: 12.203 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

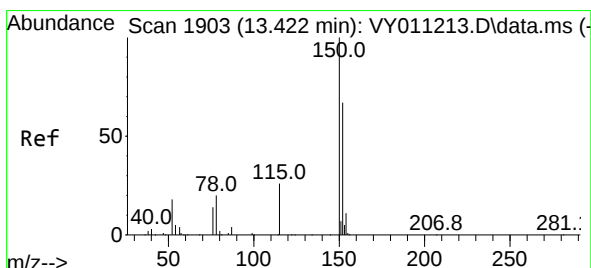
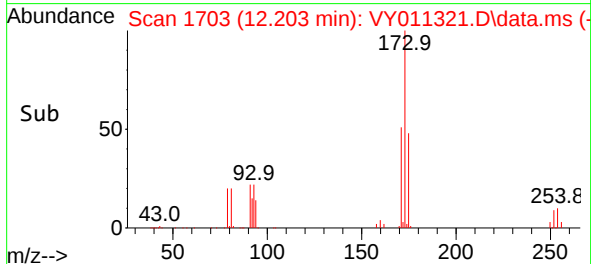
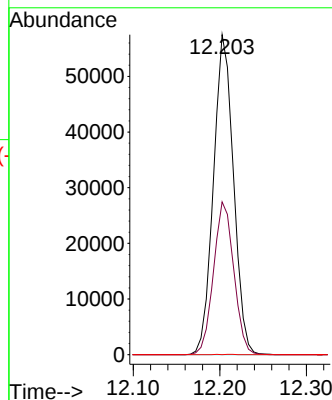
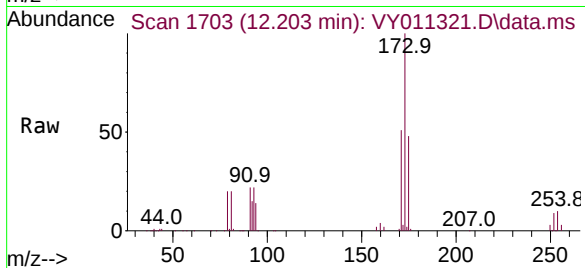
Tgt Ion:173 Resp: 92515

Ion Ratio Lower Upper

173 100

175 48.3 24.6 74.0

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

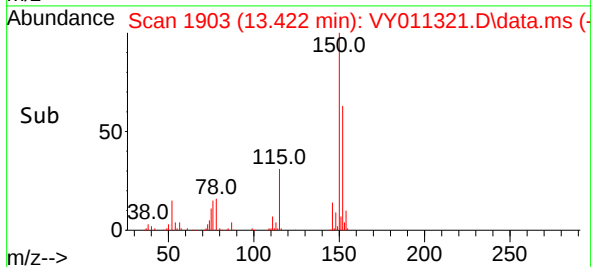
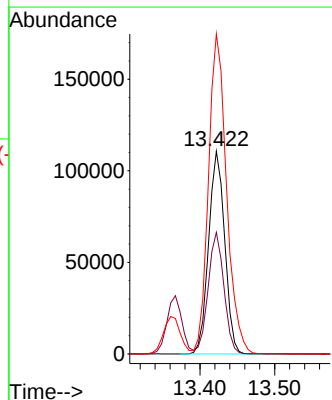
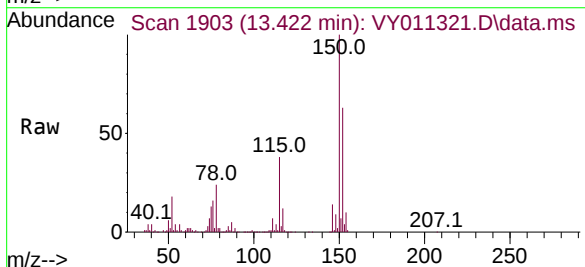
Tgt Ion:152 Resp: 166025

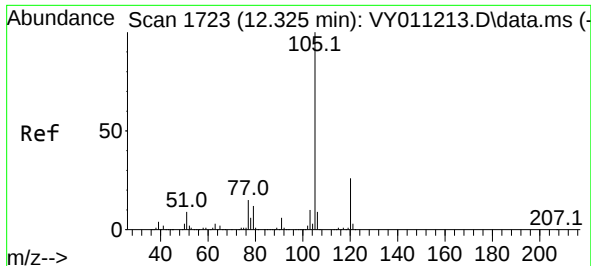
Ion Ratio Lower Upper

152 100

115 58.7 28.2 84.7

150 176.7 0.0 347.6

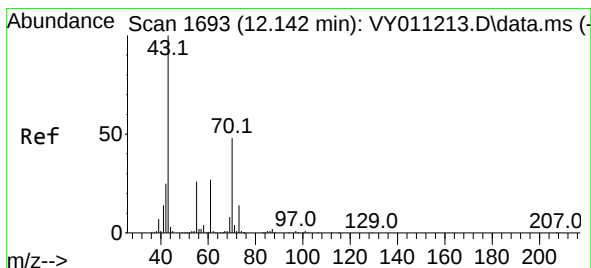
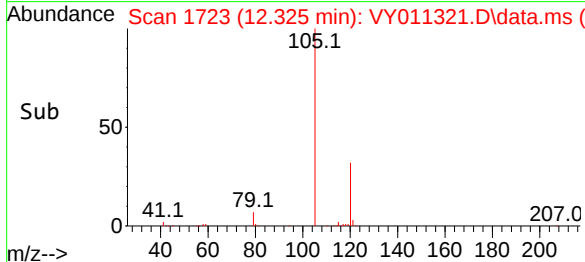
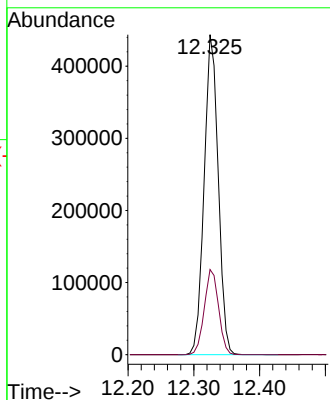
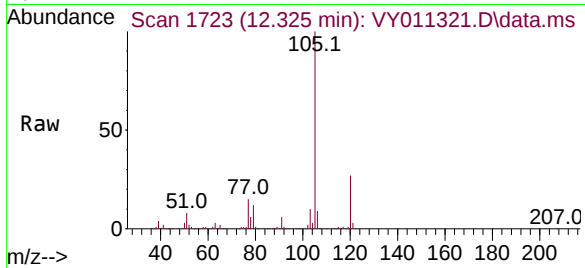




#73  
Isopropylbenzene  
Concen: 53.192 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

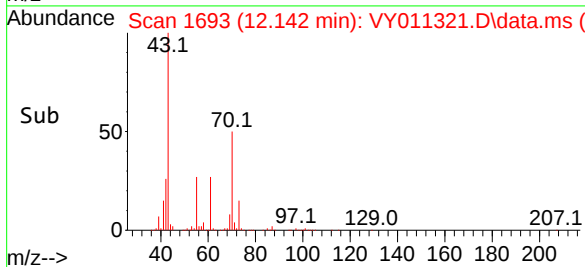
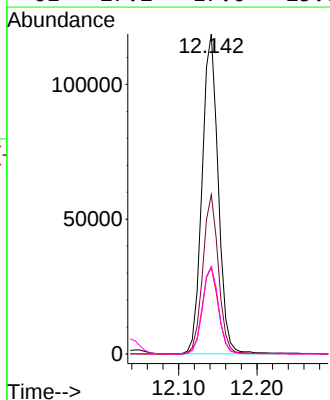
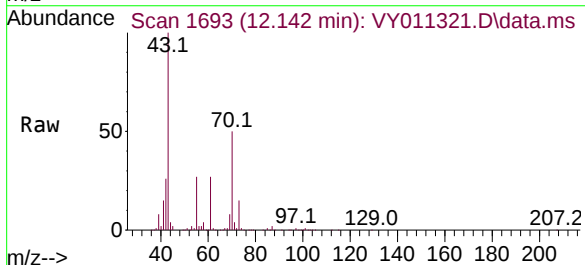
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

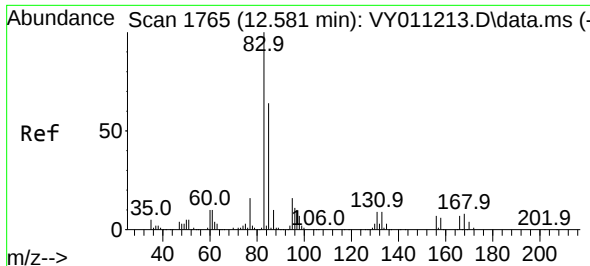
Tgt Ion:105 Resp: 660276  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.4 40.2



#74  
N-ethyl acetate  
Concen: 54.295 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 43 Resp: 169182  
Ion Ratio Lower Upper  
43 100  
70 48.5 28.7 43.1#  
55 27.1 17.3 25.9#  
61 27.2 17.0 25.6#

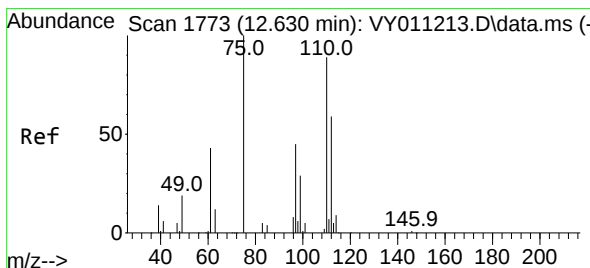
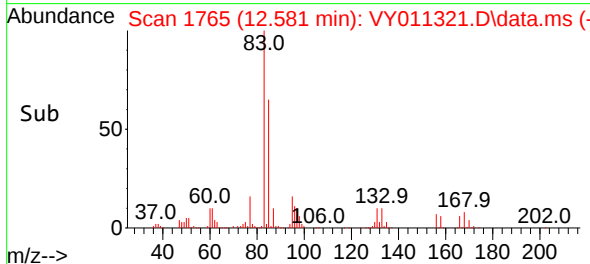
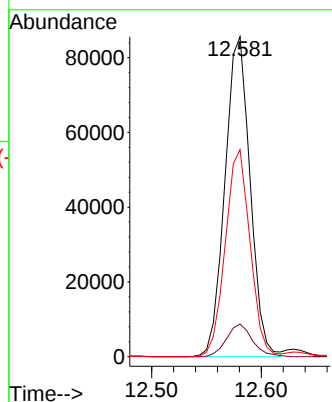
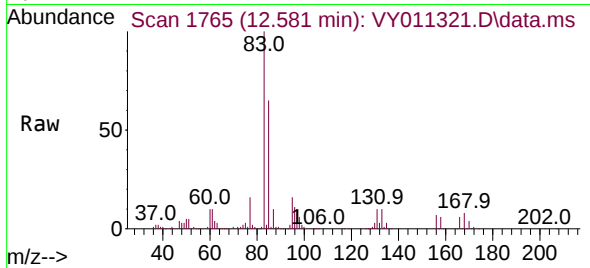




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 53.097 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: VY011321.D  
 Acq: 05 Nov 2022 00:19

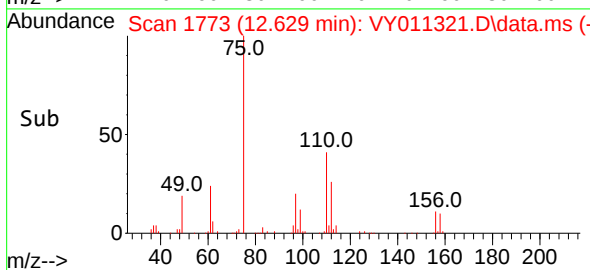
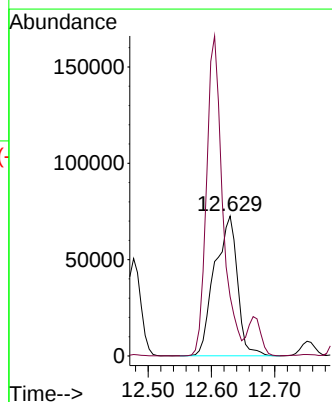
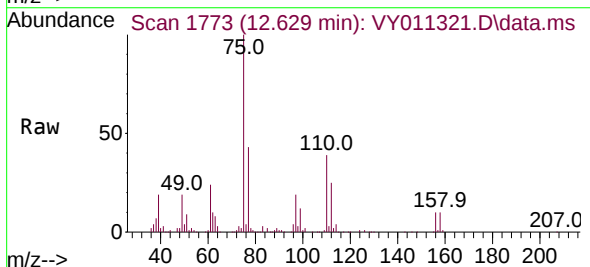
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

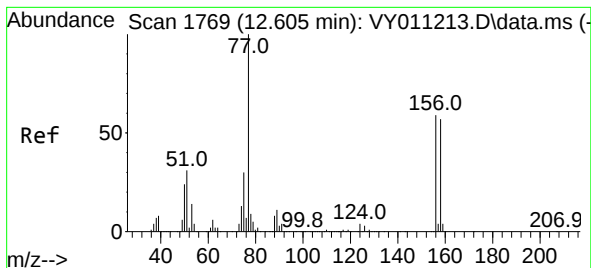
Tgt Ion: 83 Resp: 136388  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 5.6 16.8  
 85 63.8 32.3 96.8



#76  
 1,2,3-Trichloropropane  
 Concen: 89.851 ug/l  
 RT: 12.629 min Scan# 1773  
 Delta R.T. -0.001 min  
 Lab File: VY011321.D  
 Acq: 05 Nov 2022 00:19

Tgt Ion: 75 Resp: 181609  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.456 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

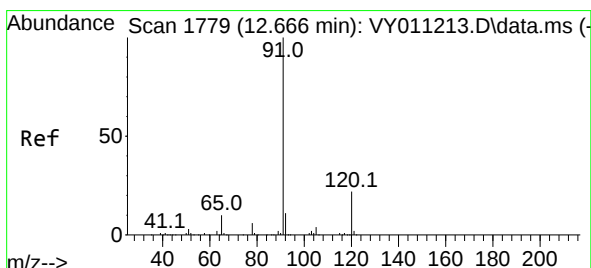
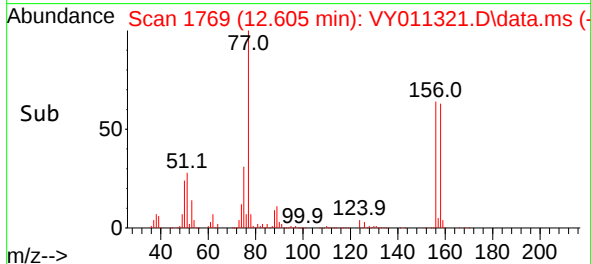
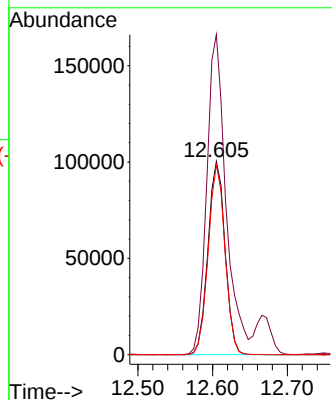
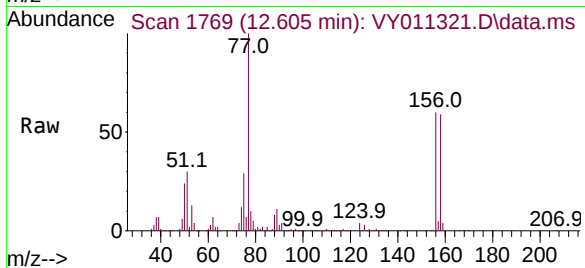
Tgt Ion:156 Resp: 159004

Ion Ratio Lower Upper

156 100

77 185.8 95.5 286.4

158 96.4 48.0 144.0



#78

n-propylbenzene

Concen: 52.503 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY011321.D

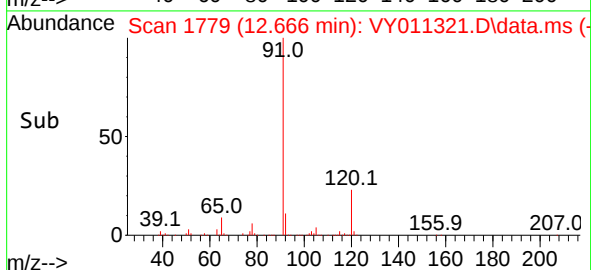
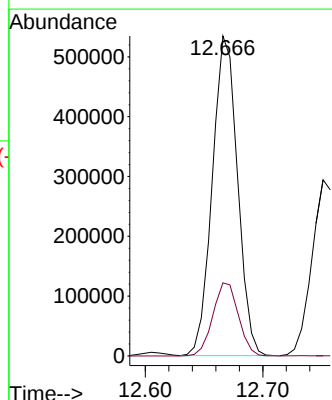
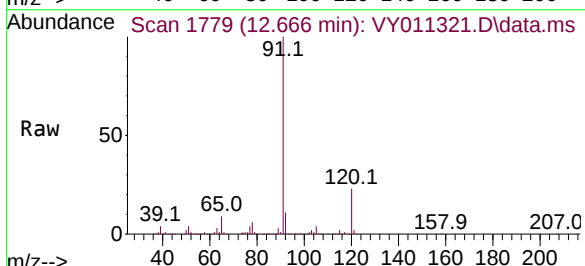
Acq: 05 Nov 2022 00:19

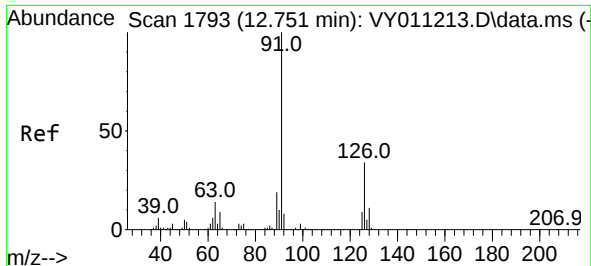
Tgt Ion: 91 Resp: 797490

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.9

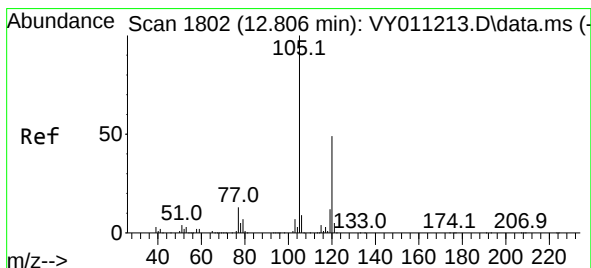
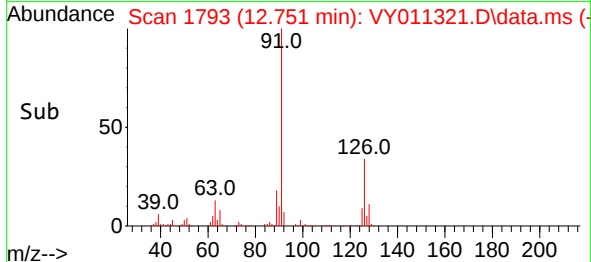
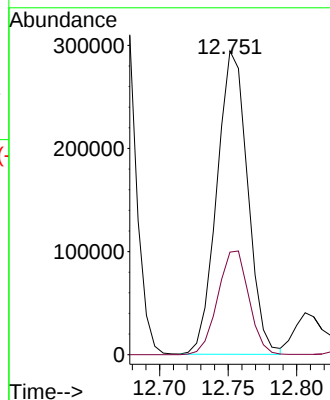
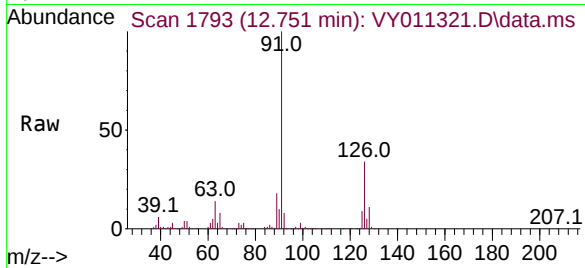




#79  
2-Chlorotoluene  
Concen: 52.949 ug/l  
RT: 12.751 min Scan# 1793  
Delta R.T. -0.007 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

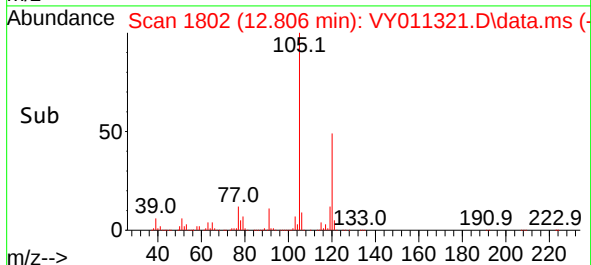
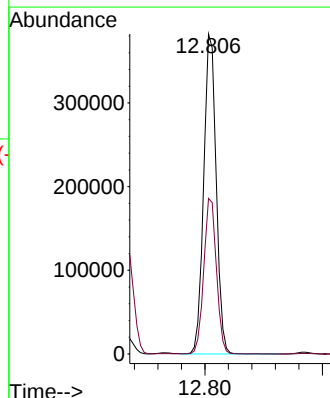
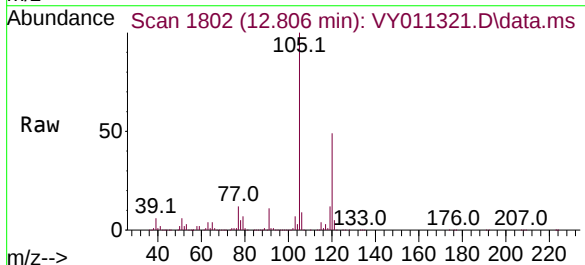
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

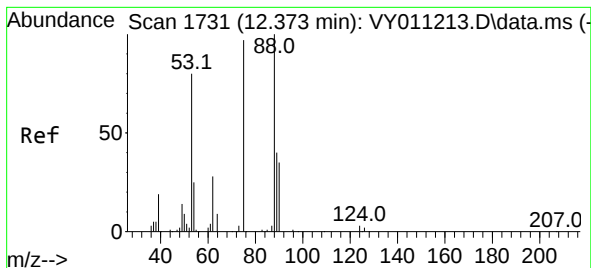
Tgt Ion: 91 Resp: 460812  
Ion Ratio Lower Upper  
91 100  
126 34.5 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 53.710 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 105 Resp: 564174  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.4 73.4

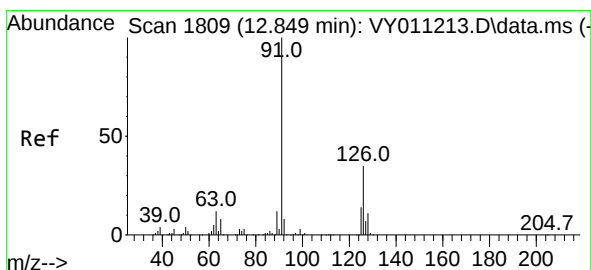
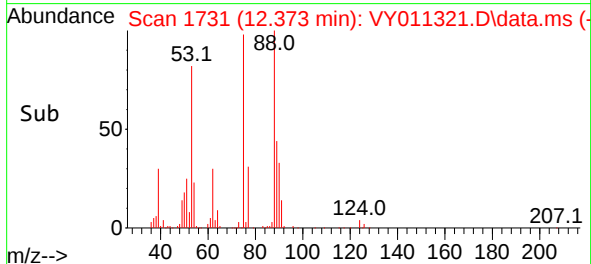
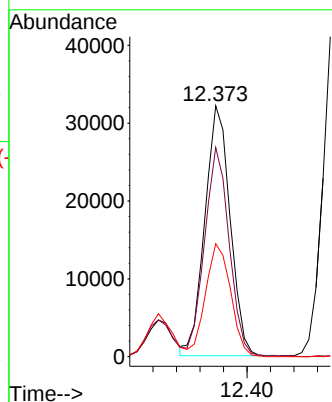
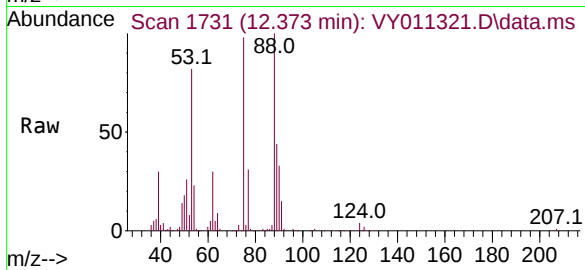




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.794 ug/l  
RT: 12.373 min Scan# 1731  
Delta R.T. -0.007 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

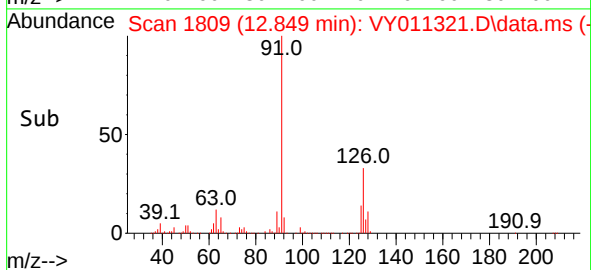
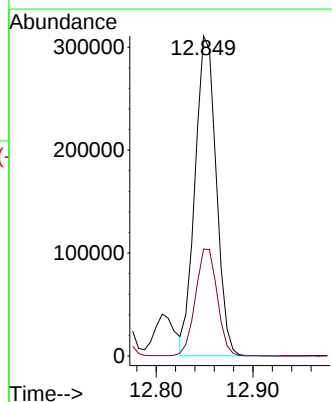
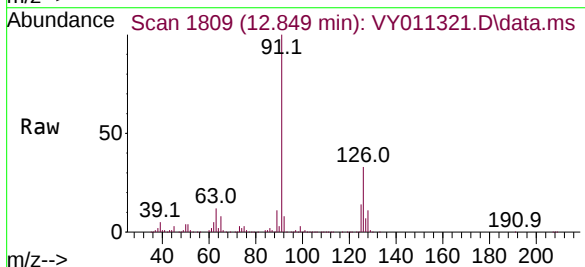
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

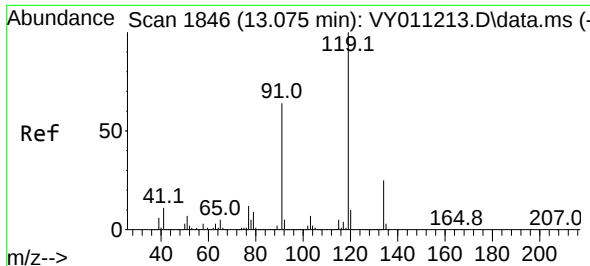
Tgt Ion: 75 Resp: 47972  
Ion Ratio Lower Upper  
75 100  
53 81.7 85.3 127.9#  
89 44.9 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 52.724 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 91 Resp: 472866  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.0 51.0

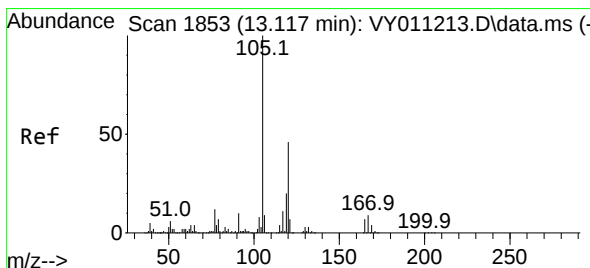
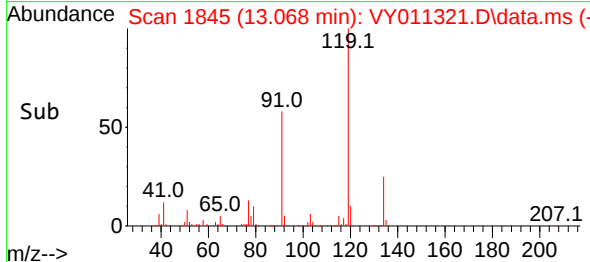
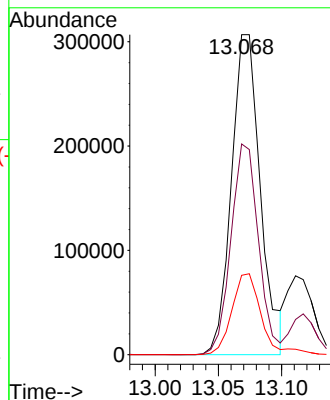
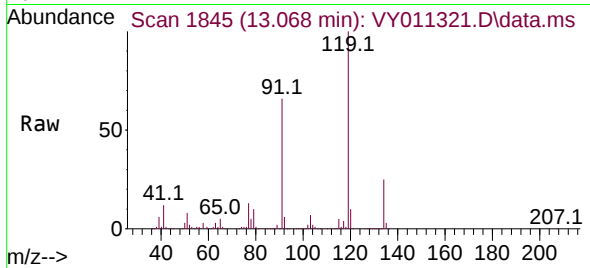




#83  
tert-Butylbenzene  
Concen: 53.988 ug/l  
RT: 13.068 min Scan# 1845  
Delta R.T. -0.007 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

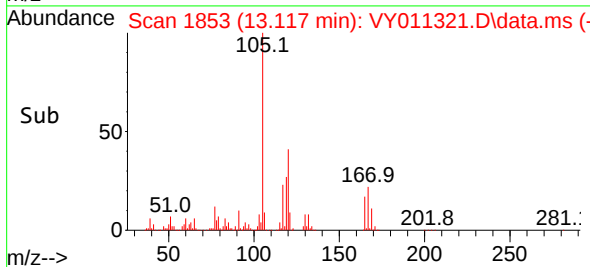
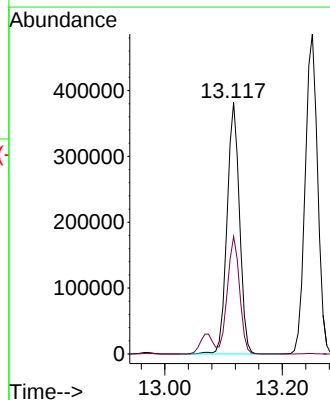
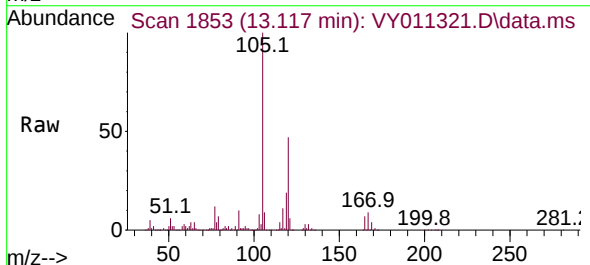
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

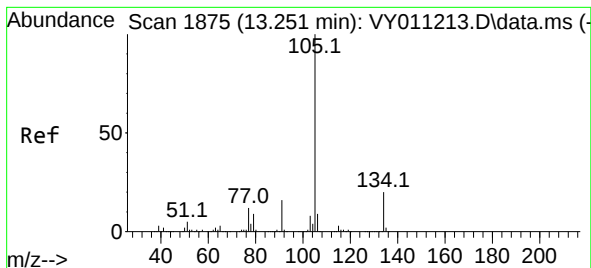
Tgt Ion:119 Resp: 488638  
Ion Ratio Lower Upper  
119 100  
91 62.7 34.8 104.4  
134 25.8 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 53.965 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion:105 Resp: 560627  
Ion Ratio Lower Upper  
105 100  
120 46.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 52.915 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

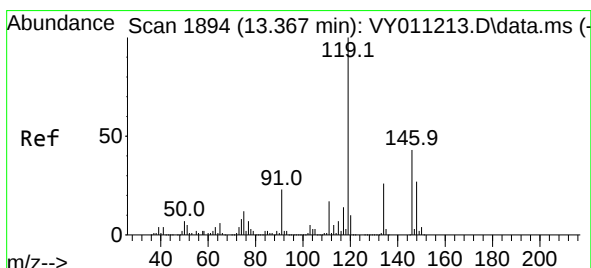
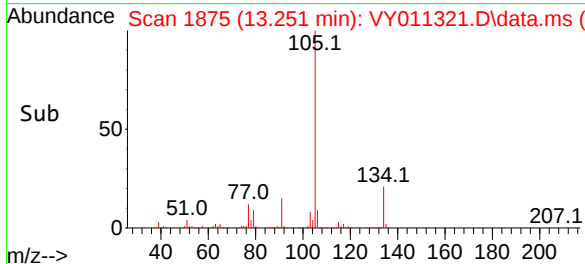
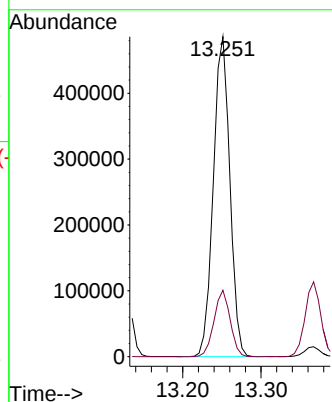
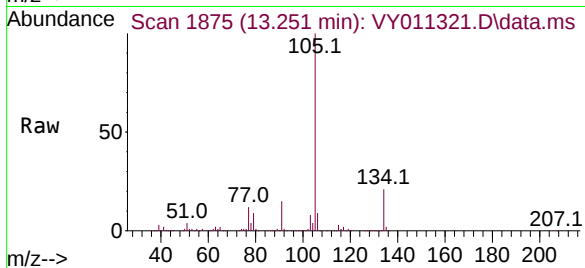
VSTDCCC050EC

Tgt Ion:105 Resp: 710079

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 53.643 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

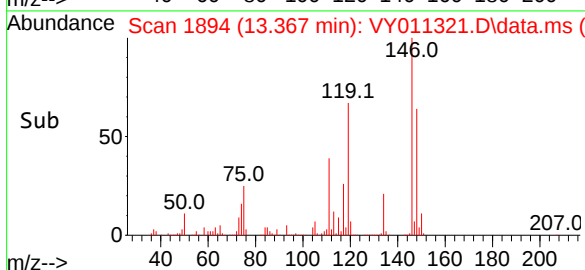
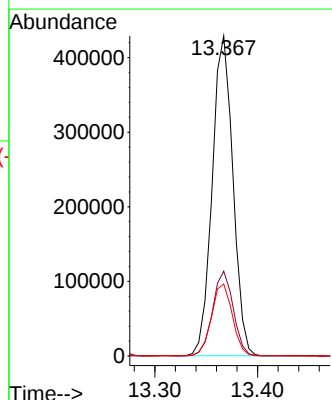
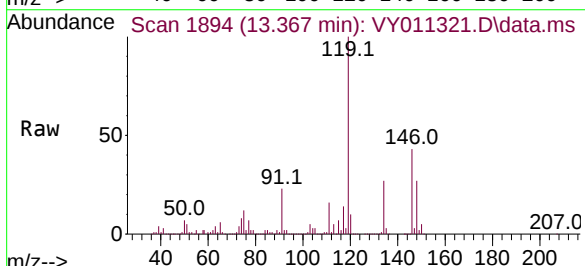
Tgt Ion:119 Resp: 599998

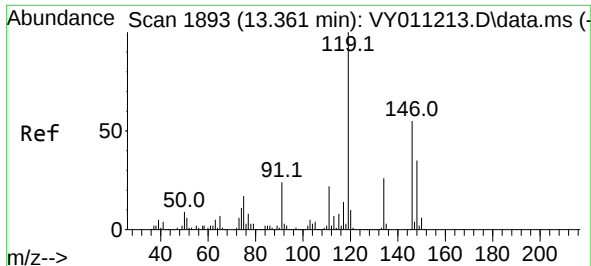
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 22.6 12.4 37.2

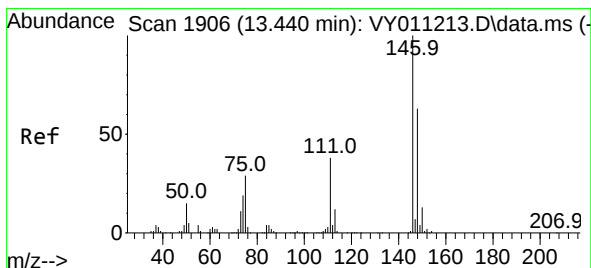
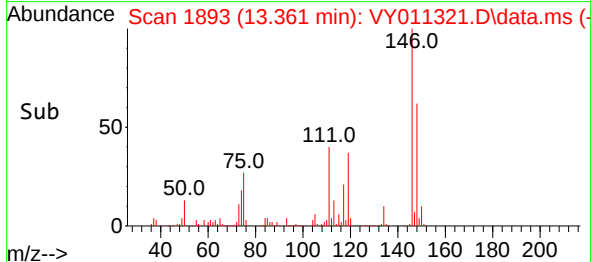
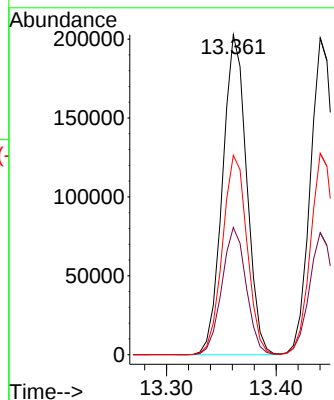
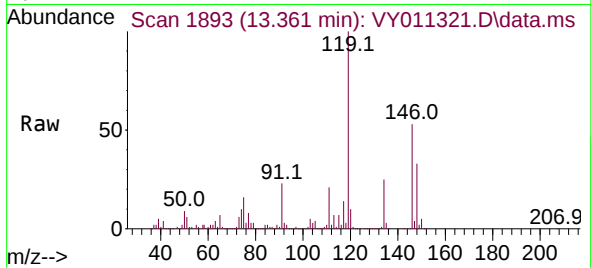




#87  
1,3-Dichlorobenzene  
Concen: 52.973 ug/l  
RT: 13.361 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

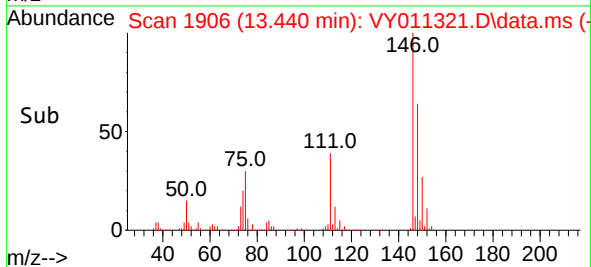
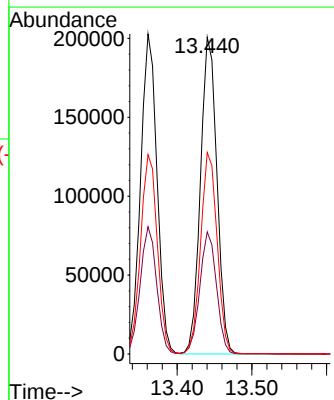
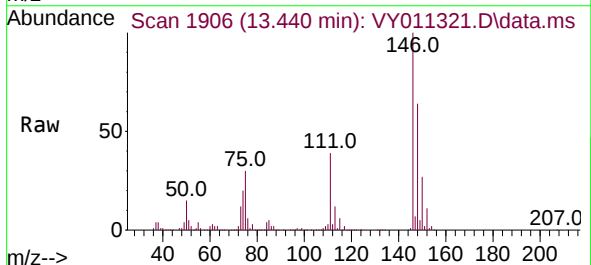
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

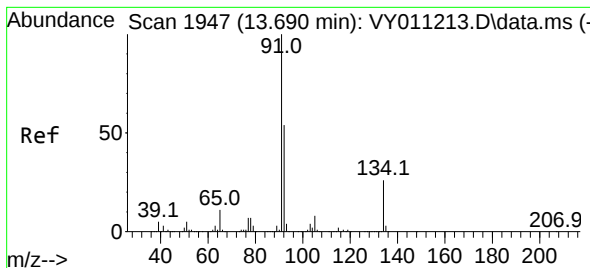
Tgt Ion:146 Resp: 310149  
Ion Ratio Lower Upper  
146 100  
111 39.9 19.5 58.5  
148 63.4 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 52.401 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. -0.007 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion:146 Resp: 307698  
Ion Ratio Lower Upper  
146 100  
111 38.9 19.3 57.8  
148 63.8 32.6 97.8





#89

n-Butylbenzene

Concen: 51.864 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

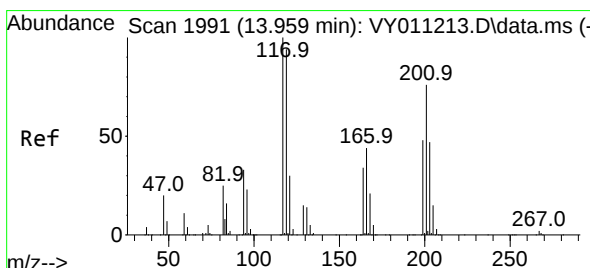
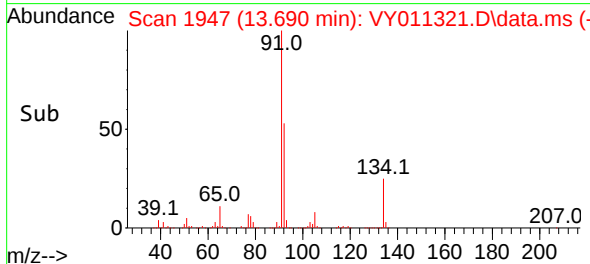
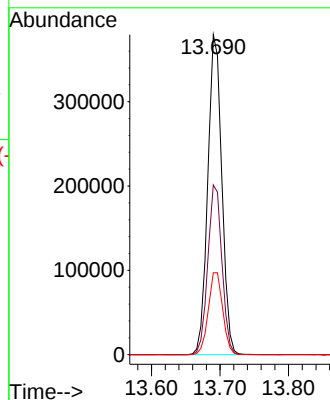
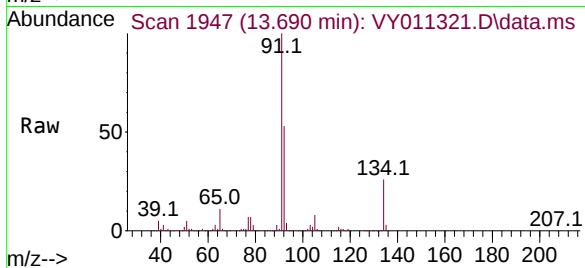
Tgt Ion: 91 Resp: 541695

Ion Ratio Lower Upper

91 100

92 53.3 26.3 78.9

134 26.3 13.0 38.9



#90

Hexachloroethane

Concen: 52.388 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.001 min

Lab File: VY011321.D

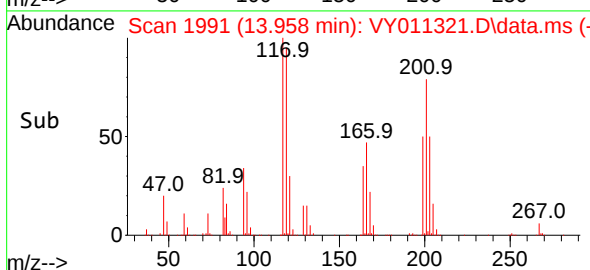
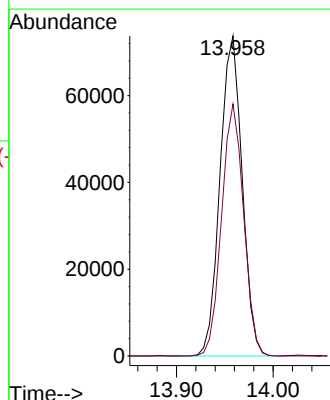
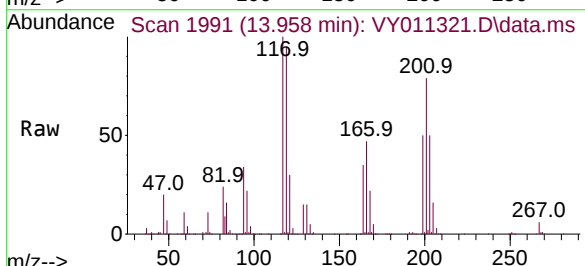
Acq: 05 Nov 2022 00:19

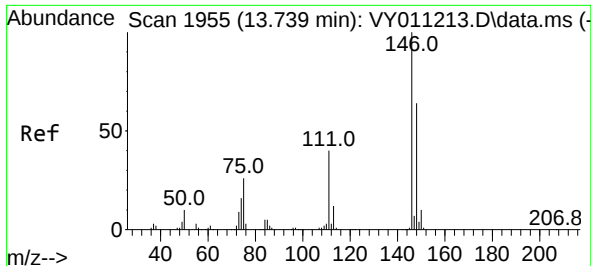
Tgt Ion: 117 Resp: 117186

Ion Ratio Lower Upper

117 100

201 78.2 43.0 128.8

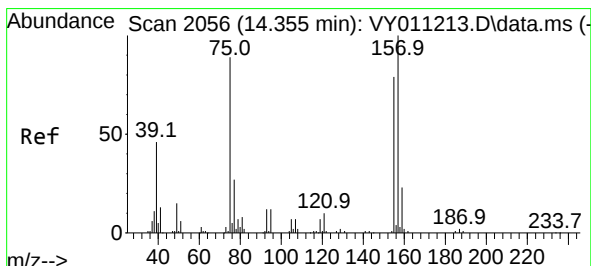
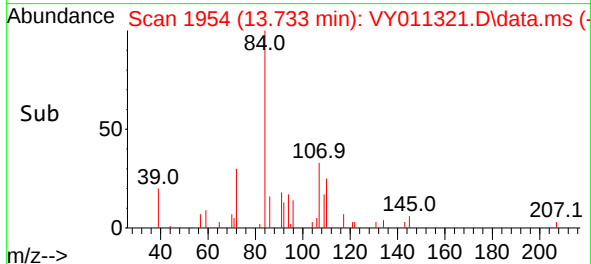
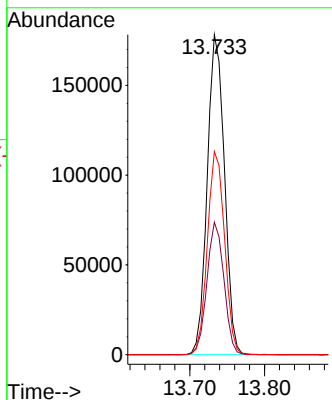
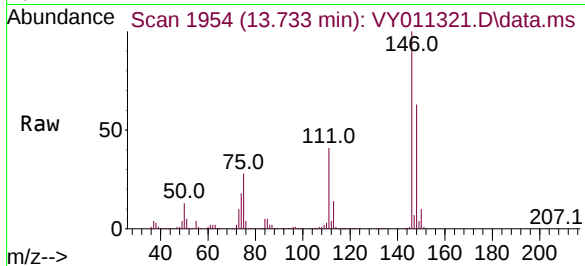




#91  
1,2-Dichlorobenzene  
Concen: 54.453 ug/l  
RT: 13.733 min Scan# 1954  
Delta R.T. -0.006 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

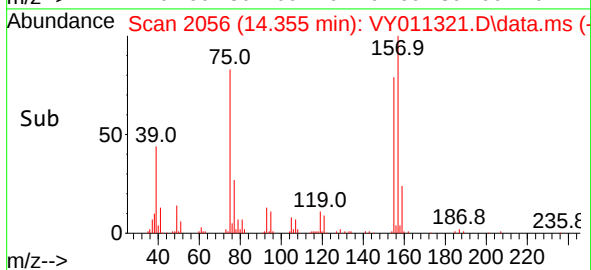
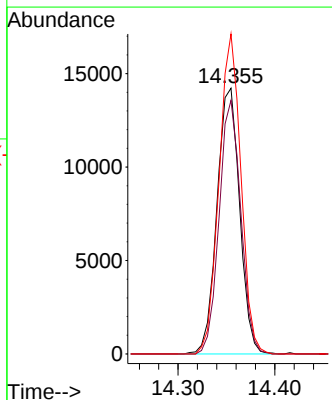
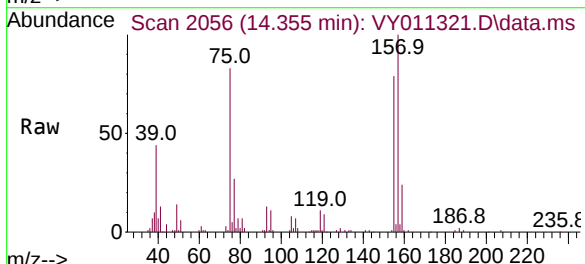
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

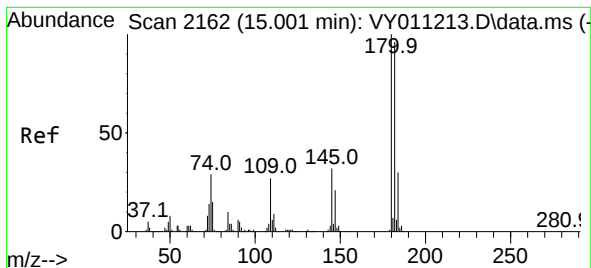
Tgt Ion:146 Resp: 284772  
Ion Ratio Lower Upper  
146 100  
111 40.9 20.3 60.9  
148 63.5 32.3 96.9



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 52.540 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY011321.D  
Acq: 05 Nov 2022 00:19

Tgt Ion: 75 Resp: 23119  
Ion Ratio Lower Upper  
75 100  
155 90.9 38.0 113.9  
157 115.9 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 53.651 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

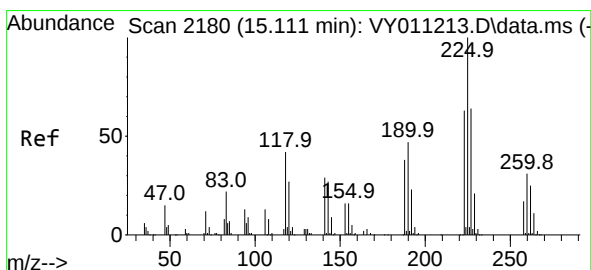
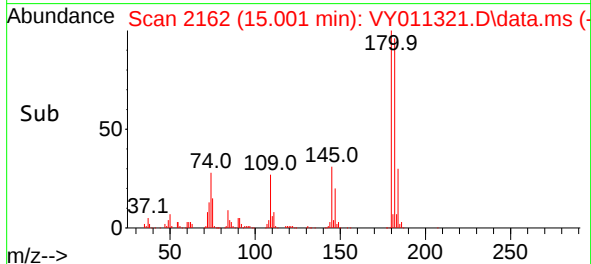
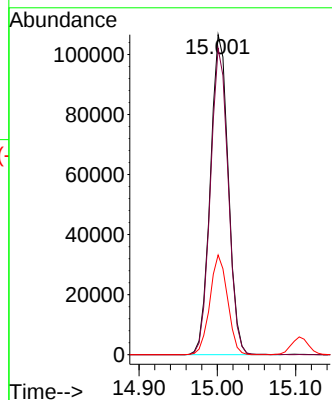
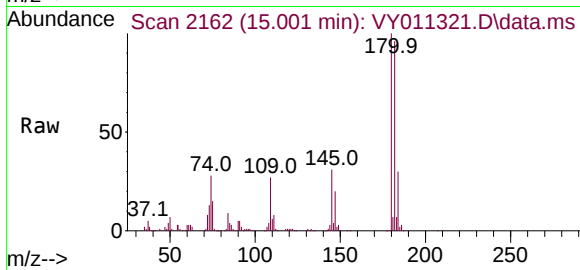
Tgt Ion:180 Resp: 169584

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.9

145 30.6 14.6 43.8



#94

Hexachlorobutadiene

Concen: 52.383 ug/l

RT: 15.105 min Scan# 2179

Delta R.T. -0.006 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

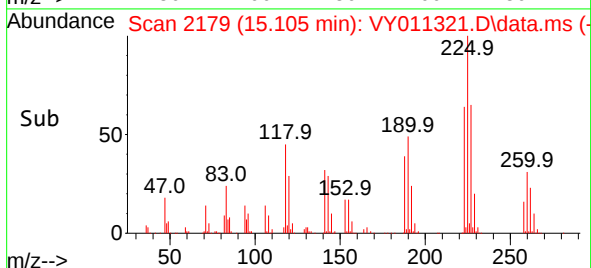
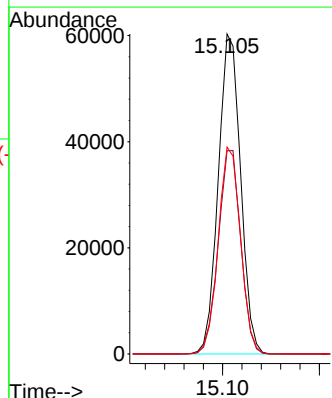
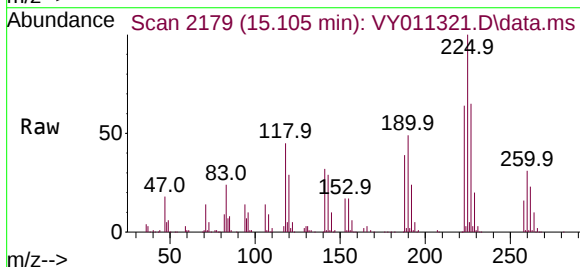
Tgt Ion:225 Resp: 96409

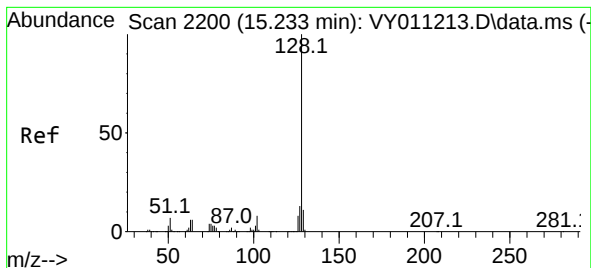
Ion Ratio Lower Upper

225 100

223 64.2 30.8 92.3

227 64.5 31.6 94.7





#95

Naphthalene

Concen: 50.498 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

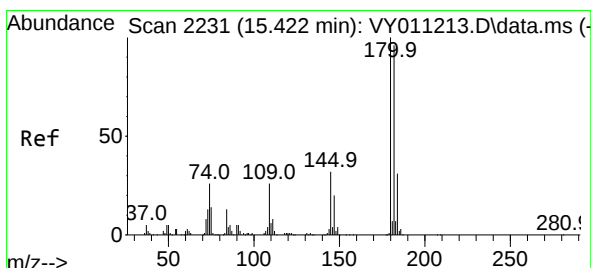
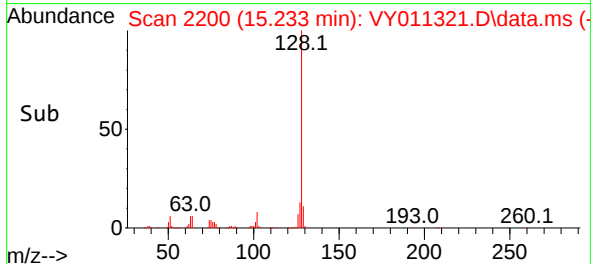
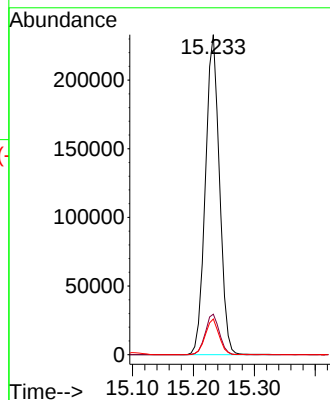
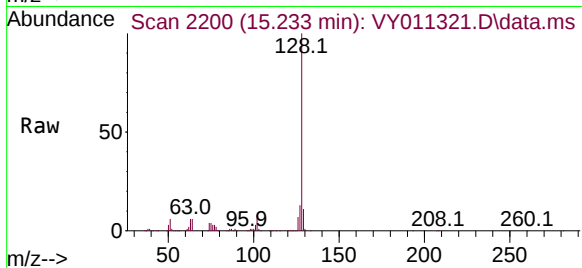
Tgt Ion:128 Resp: 373529

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.4

129 11.0 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 55.149 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY011321.D

Acq: 05 Nov 2022 00:19

Tgt Ion:180 Resp: 153194

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.9

145 32.6 15.3 45.9

