

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010623\  
 Data File : VY012086.D  
 Acq On : 06 Jan 2023 12:30  
 Operator : KP/MD  
 Sample : VSTDIC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC020

Quant Time: Jan 07 01:18:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:17:12 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 174674   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 262429   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 239211   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 126924   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 43025    | 21.854   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 43.700%# |
| 35) Dibromofluoromethane    | 7.716  | 113   | 36207    | 21.096   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 42.200%# |
| 50) Toluene-d8              | 10.179 | 98    | 150309   | 22.294   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 44.580%# |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 50886    | 21.551   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 43.100%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 34679  | 22.865  | ug/l   | 100 |
| 3) Chloromethane             | 2.113 | 50  | 31564  | 23.087  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.253 | 62  | 36569  | 21.585  | ug/l   | 95  |
| 5) Bromomethane              | 2.643 | 94  | 27043  | 22.084  | ug/l   | 98  |
| 6) Chloroethane              | 2.790 | 64  | 24761  | 21.953  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 72446  | 21.389  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.534 | 74  | 22138  | 21.255  | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 36475  | 20.973  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.088 | 142 | 50937  | 21.426  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 4.948 | 59  | 29137  | 105.838 | ug/l # | 93  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 36478  | 21.560  | ug/l   | 97  |
| 13) Acrolein                 | 3.723 | 56  | 15787  | 140.415 | ug/l   | 96  |
| 14) Allyl chloride           | 4.479 | 41  | 48667  | 21.313  | ug/l   | 92  |
| 15) Acrylonitrile            | 5.155 | 53  | 51543  | 104.946 | ug/l   | 100 |
| 16) Acetone                  | 3.948 | 43  | 46375  | 98.659  | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.192 | 76  | 112022 | 24.564  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.479 | 43  | 27481  | 20.179  | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 104634 | 20.610  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.710 | 84  | 47321  | 20.773  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 40023  | 21.247  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.118 | 45  | 100691 | 21.151  | ug/l # | 93  |
| 23) Vinyl Acetate            | 6.064 | 43  | 305116 | 105.663 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 65083  | 20.714  | ug/l   | 98  |
| 25) 2-Butanone               | 6.984 | 43  | 63034  | 101.818 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 67334  | 19.784  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 45566  | 21.092  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.332 | 49  | 15805  | 19.782  | ug/l   | 82  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 38231  | 104.758 | ug/l   | 87  |
| 30) Chloroform               | 7.502 | 83  | 73888  | 20.565  | ug/l   | 100 |
| 31) Cyclohexane              | 7.789 | 56  | 59681  | 22.183  | ug/l   | 90  |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 72669  | 20.787  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 54687  | 20.966  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.070 | 43  | 29552  | 21.072  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 69409  | 20.927  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.185 | 83  | 68252  | 21.561  | ug/l   | 98  |
| 40) Benzene                  | 8.161 | 78  | 159226 | 20.956  | ug/l   | 99  |

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 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

Quant Time: Jan 07 01:18:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:17:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 36684    | 52.427  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 50961    | 20.816  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 49849    | 20.893  | ug/l   | 97       |
| 44) Trichloroethene           | 8.941  | 130  | 47220    | 21.112  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 34610    | 20.388  | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 22608    | 20.864  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 56520    | 20.465  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 22661    | 21.008  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 6475     | 428.488 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 133409   | 104.165 | ug/l   | 97       |
| 52) Toluene                   | 10.246 | 92   | 105457   | 20.911  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 59458    | 20.857  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 64376    | 20.950  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 32358    | 20.592  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 42775    | 20.777  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 53830    | 20.738  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 78869    | 105.194 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.831 | 43   | 93882    | 104.235 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.983 | 129  | 41860    | 20.329  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 31061    | 20.934  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 49376    | 21.205  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 113485   | 20.821  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 43398    | 20.389  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 201184   | 20.676  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 158549   | 41.445  | ug/l   | 100      |
| 69) o-Xylene                  | 12.026 | 106  | 75828    | 20.810  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 128950   | 20.856  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 28003    | 20.508  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 203909   | 20.462  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 42708    | 20.269  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 34693    | 20.391  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 50945    | 30.832  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 48674    | 20.363  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.672 | 91   | 239497   | 20.544  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 137013   | 20.681  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 176634   | 20.621  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 13460    | 20.527  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 143101   | 20.518  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 150922   | 20.248  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 176268   | 20.756  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 219131   | 20.329  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 191689   | 20.556  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 96908    | 20.384  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 95970    | 20.159  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 165096   | 20.355  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 34292    | 19.966  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 86420    | 20.266  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 6650     | 19.442  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 52770    | 19.914  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 32265    | 20.042  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 102895   | 19.541  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 45471    | 19.757  | ug/l   | 98       |

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Sample : VSTDICC020  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

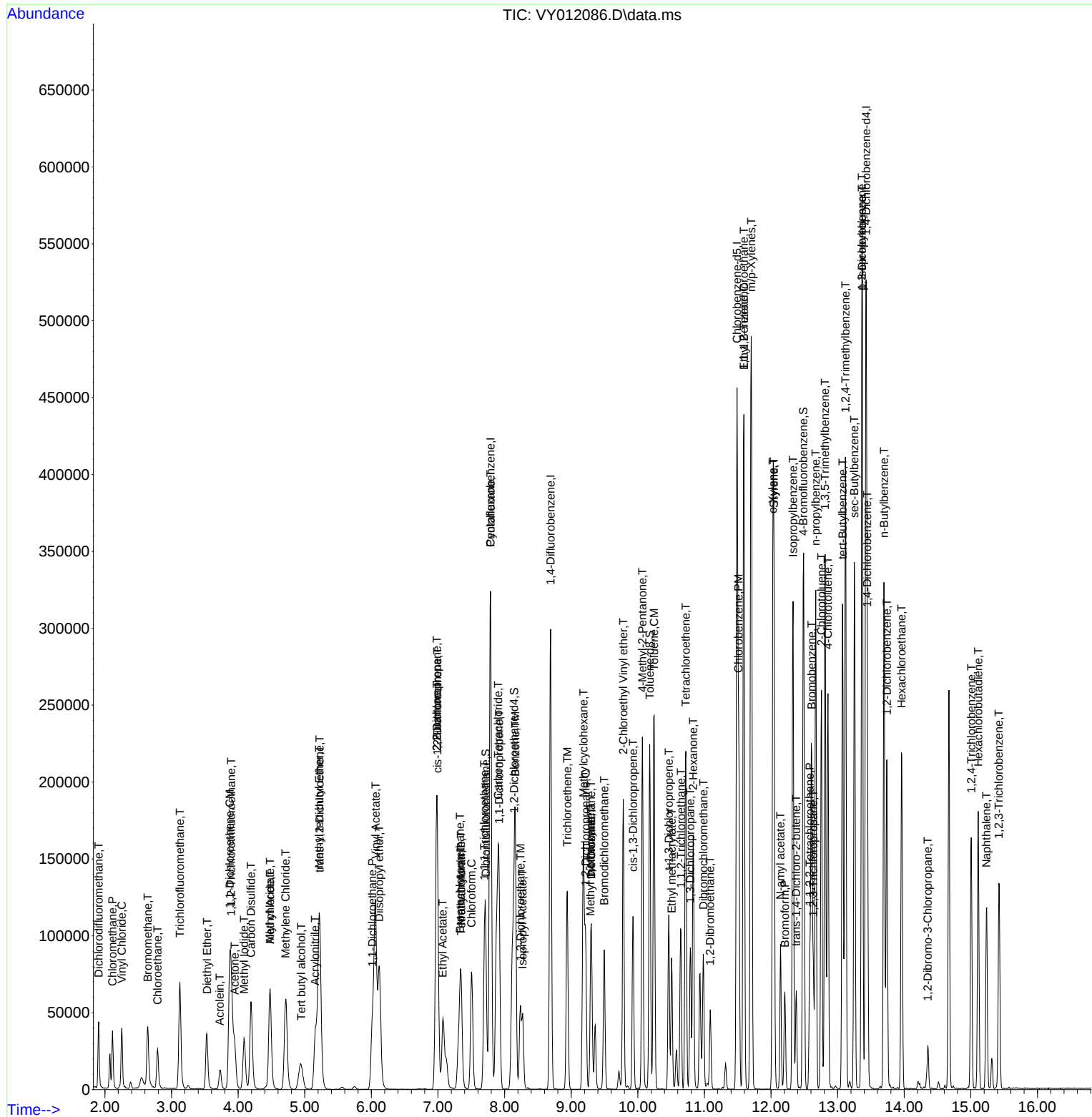
Quant Time: Jan 07 01:18:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 07 01:17:12 2023  
Response via : Initial Calibration

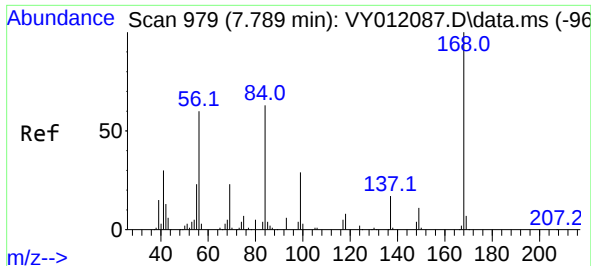
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
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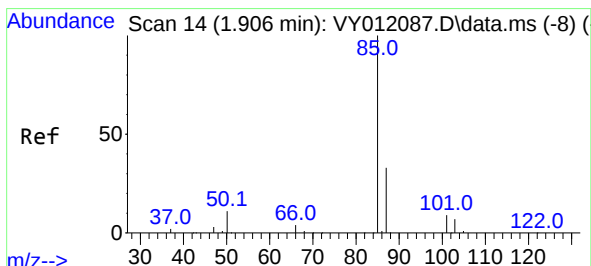
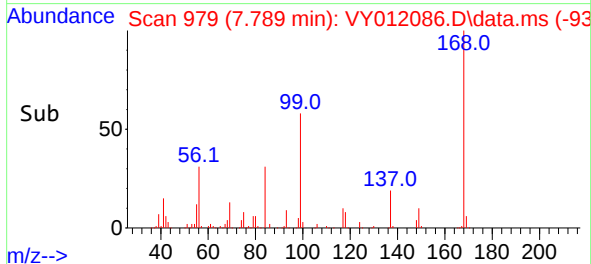
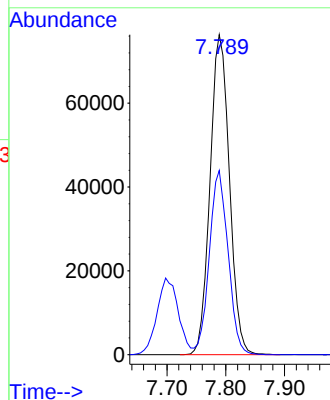
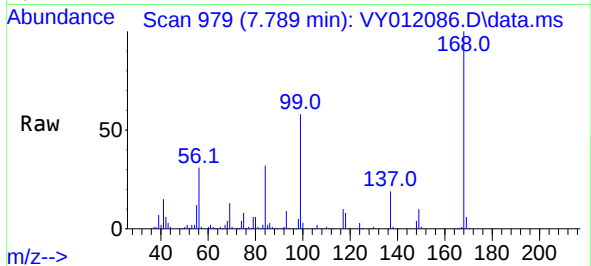




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

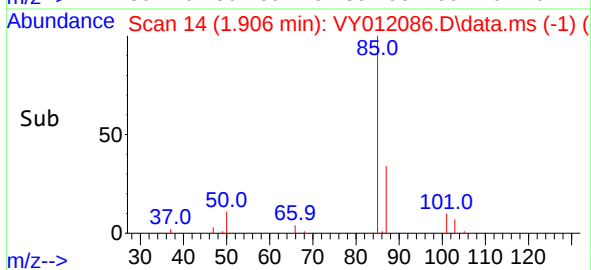
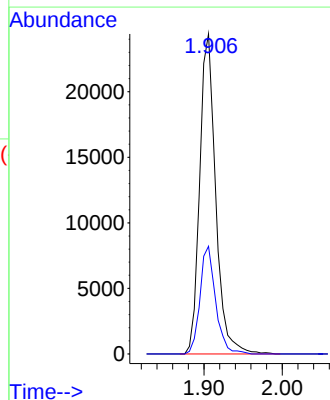
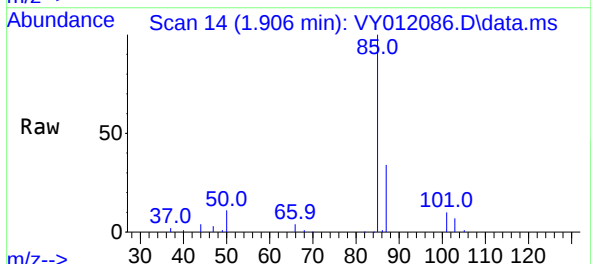
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

Tgt Ion:168 Resp: 174674  
Ion Ratio Lower Upper  
168 100  
99 57.6 44.0 66.0

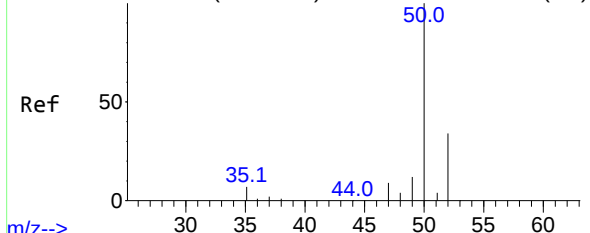


#2  
Dichlorodifluoromethane  
Concen: 22.865 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

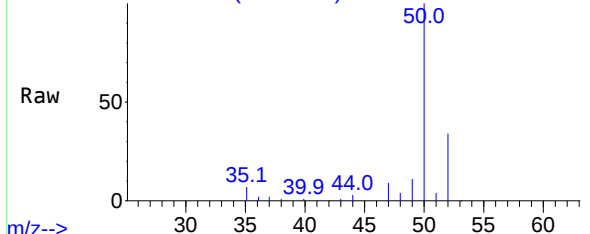
Tgt Ion: 85 Resp: 34679  
Ion Ratio Lower Upper  
85 100  
87 33.7 16.8 50.4



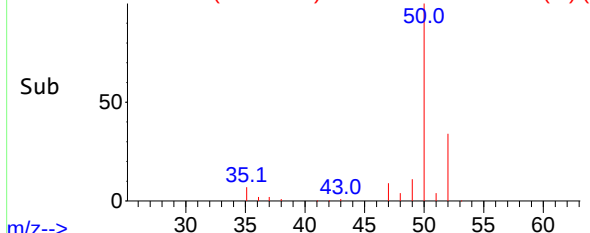
Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



m/z-->



m/z-->



m/z-->

#3

Chloromethane

Concen: 23.087 ug/l

RT: 2.113 min Scan# 48

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

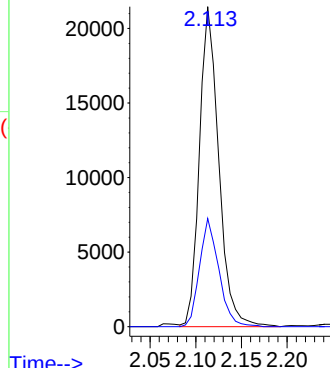
Tgt Ion: 50 Resp: 31564

Ion Ratio Lower Upper

50 100

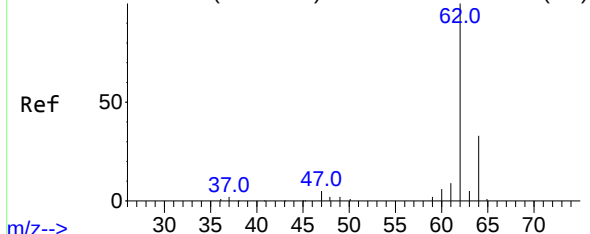
52 33.8 26.8 40.2

Abundance

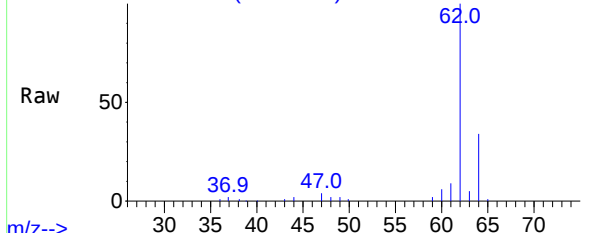


Time-->

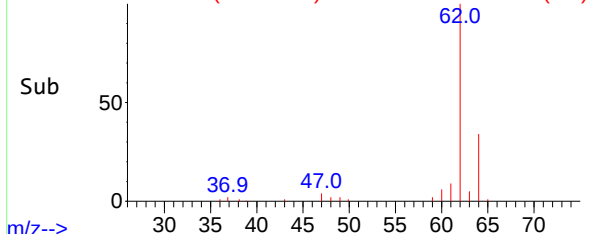
Abundance Scan 71 (2.253 min): VY012087.D\data.ms (-64)



m/z-->



m/z-->



m/z-->

#4

Vinyl Chloride

Concen: 21.585 ug/l

RT: 2.253 min Scan# 71

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

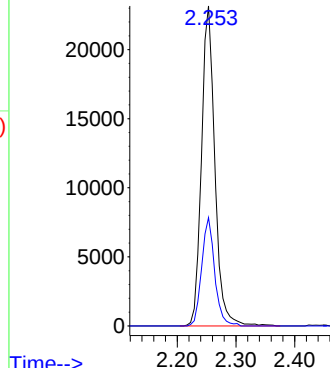
Tgt Ion: 62 Resp: 36569

Ion Ratio Lower Upper

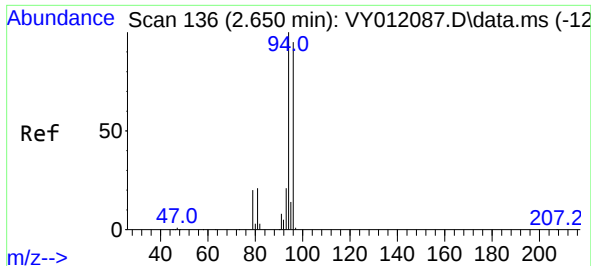
62 100

64 33.8 25.0 37.6

Abundance



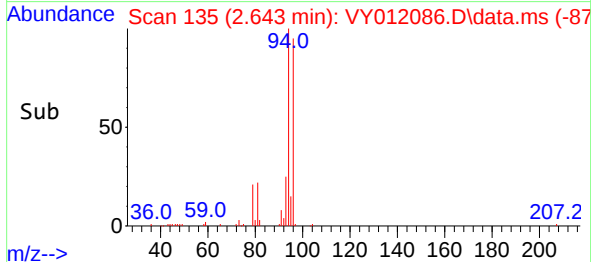
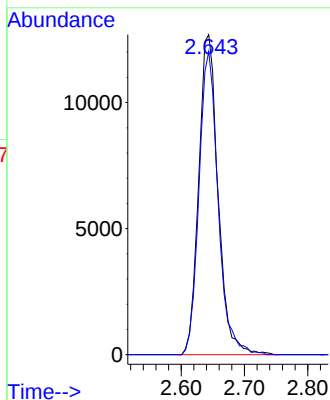
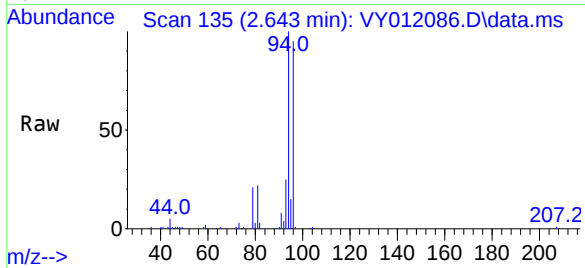
Time-->



#5  
Bromomethane  
Concen: 22.084 ug/l  
RT: 2.643 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

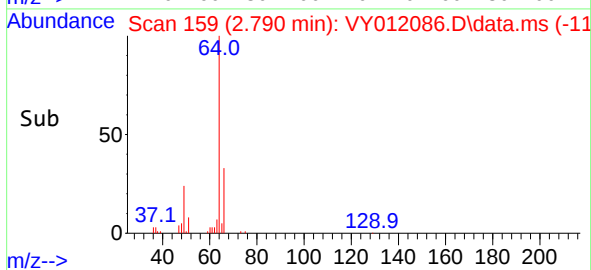
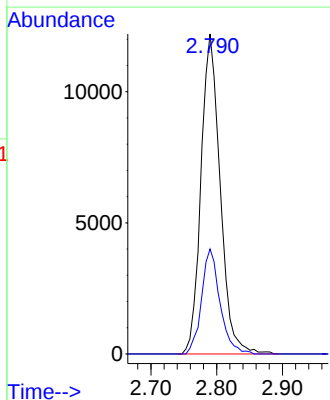
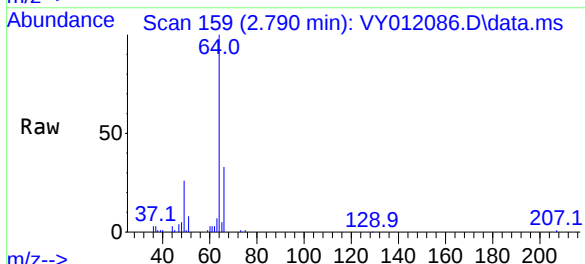
Instrument :  
MSVOA\_Y  
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VSTDICC020

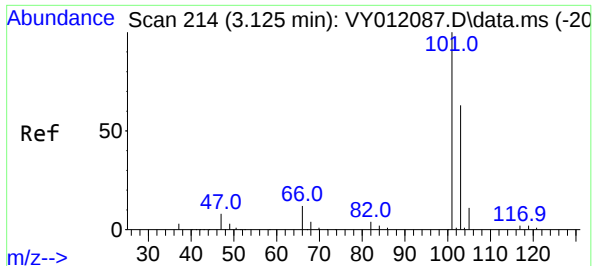
Tgt Ion: 94 Resp: 27043  
Ion Ratio Lower Upper  
94 100  
96 94.8 77.4 116.2



#6  
Chloroethane  
Concen: 21.953 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 64 Resp: 24761  
Ion Ratio Lower Upper  
64 100  
66 32.8 25.0 37.4

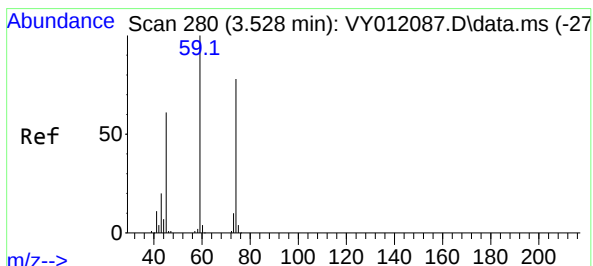
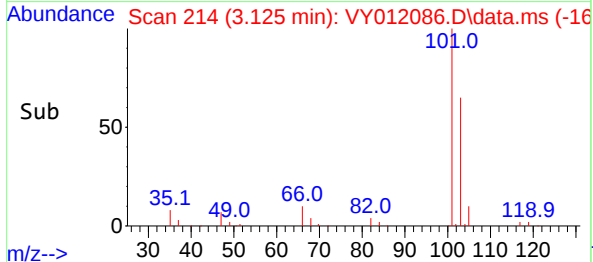
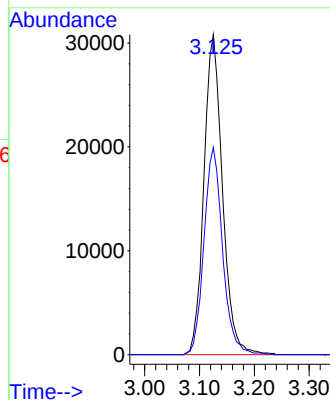
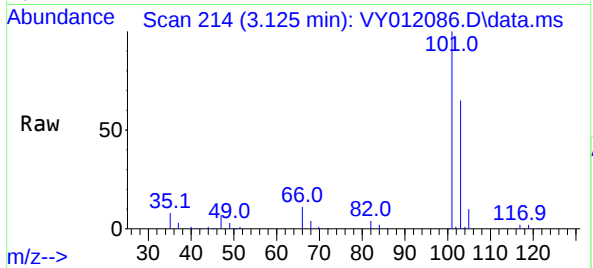




#7  
Trichlorofluoromethane  
Concen: 21.389 ug/l  
RT: 3.125 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

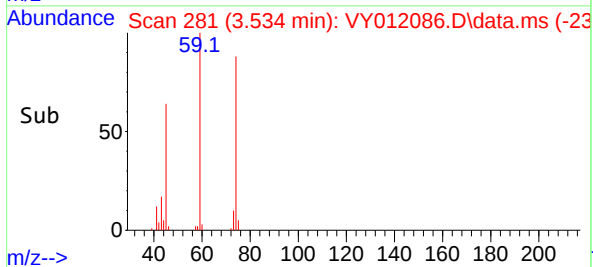
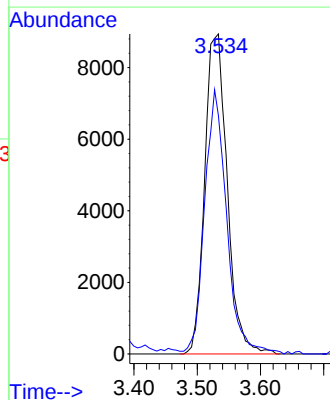
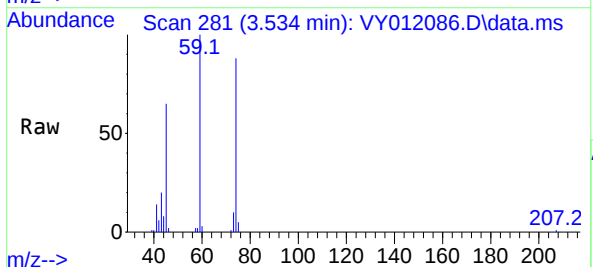
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

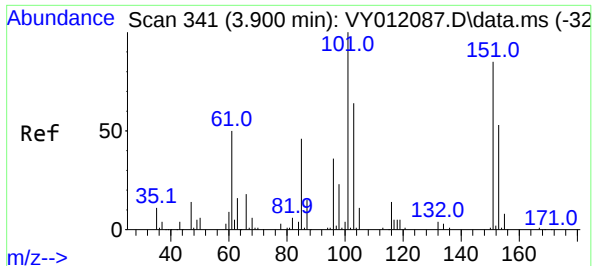
Tgt Ion:101 Resp: 72446  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.0 76.6



#8  
Diethyl Ether  
Concen: 21.255 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 74 Resp: 22138  
Ion Ratio Lower Upper  
74 100  
45 80.8 46.8 140.3

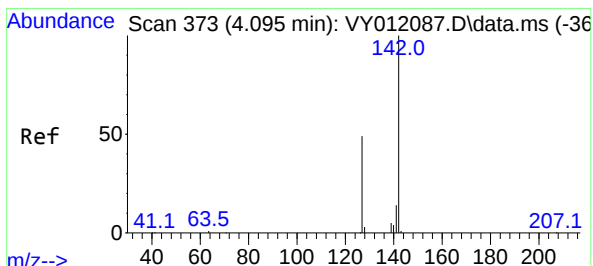
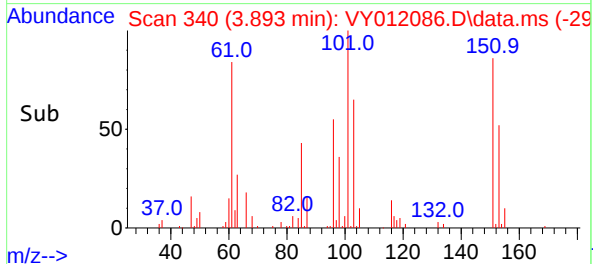
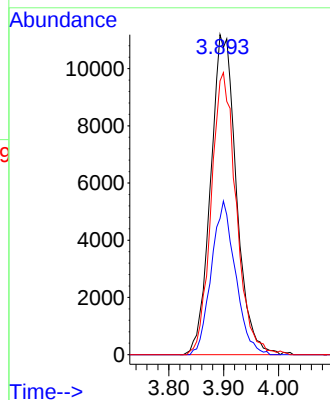
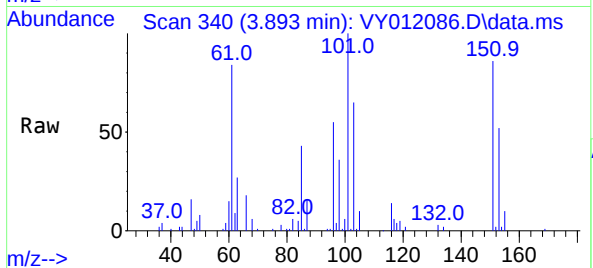




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.973 ug/l  
RT: 3.893 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

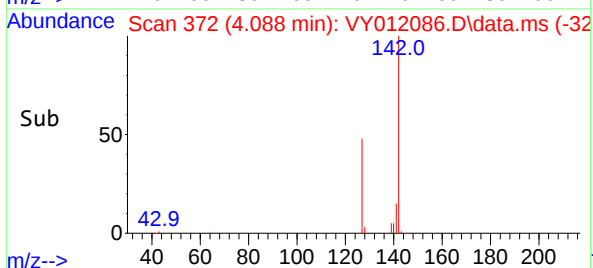
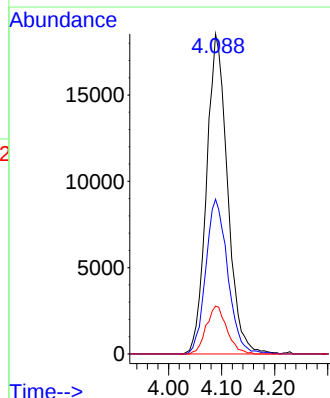
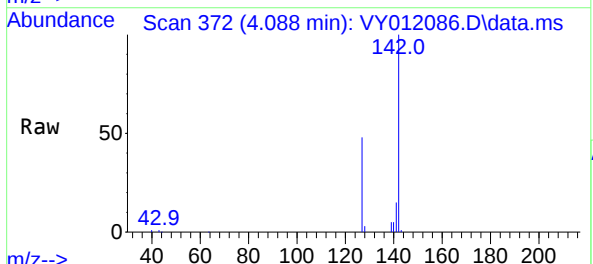
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

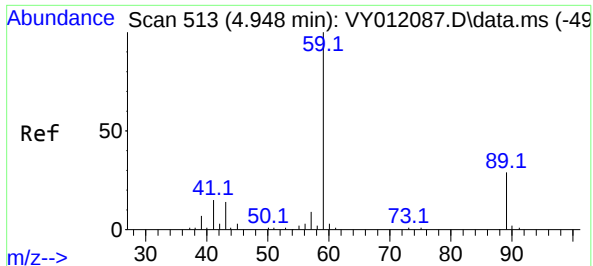
Tgt Ion:101 Resp: 36475  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.2 54.2  
151 86.0 64.2 96.2



#10  
Methyl Iodide  
Concen: 21.426 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:142 Resp: 50937  
Ion Ratio Lower Upper  
142 100  
127 50.6 37.0 55.4  
141 14.7 11.4 17.0

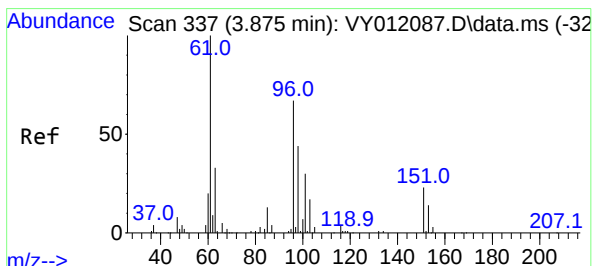
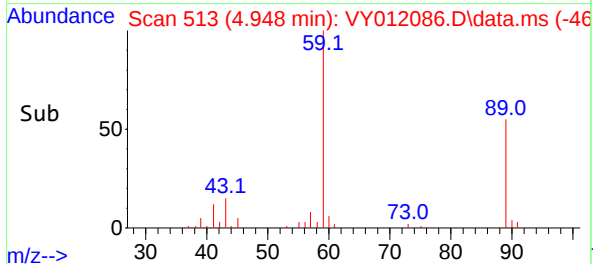
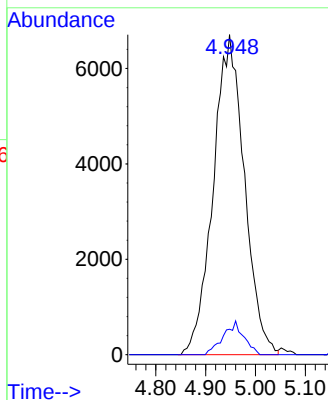
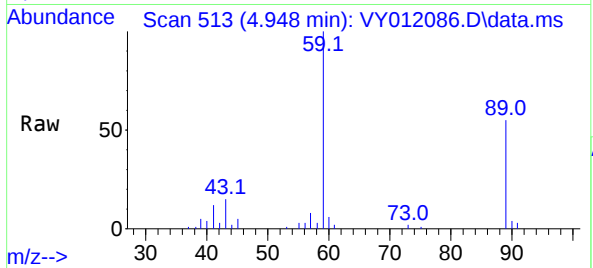




#11  
Tert butyl alcohol  
Concen: 105.838 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

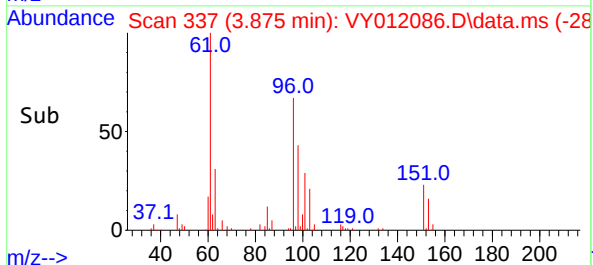
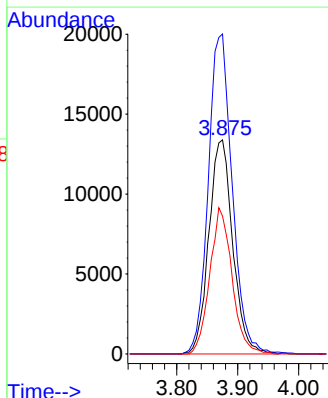
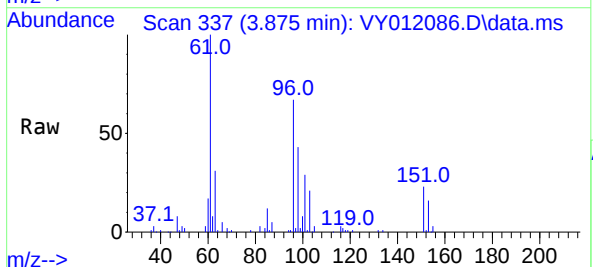
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

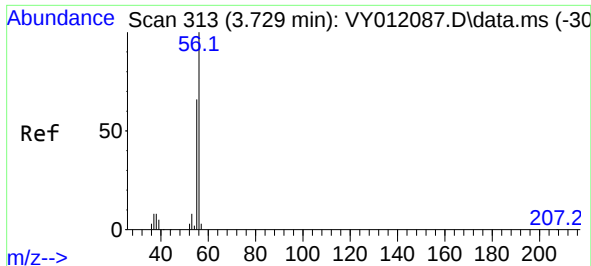
Tgt Ion: 59 Resp: 29137  
Ion Ratio Lower Upper  
59 100  
57 6.9 7.4 11.2#



#12  
1,1-Dichloroethene  
Concen: 21.560 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 96 Resp: 36478  
Ion Ratio Lower Upper  
96 100  
61 149.5 122.0 183.0  
98 64.5 48.6 73.0

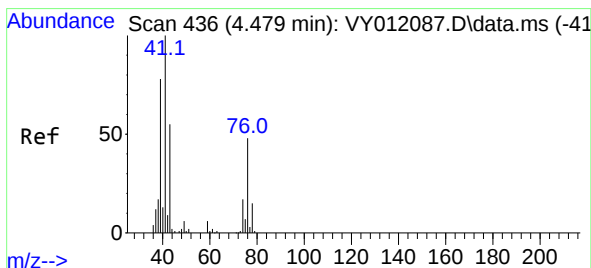
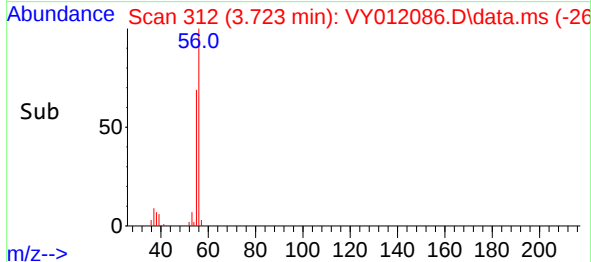
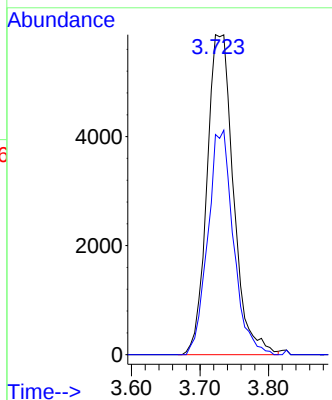
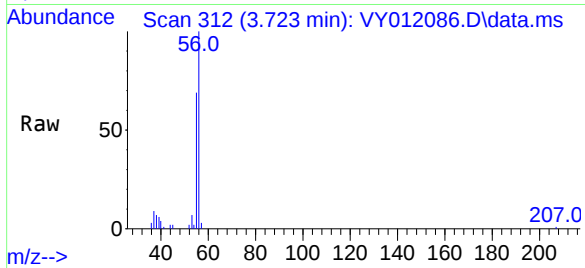




#13  
Acrolein  
Concen: 140.415 ug/l  
RT: 3.723 min Scan# 313  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

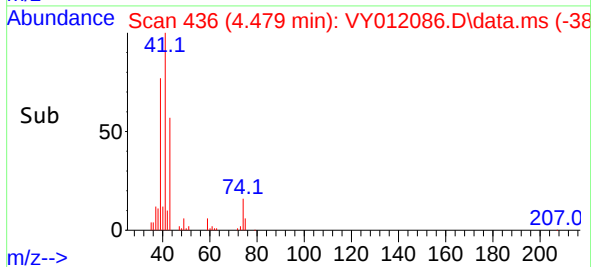
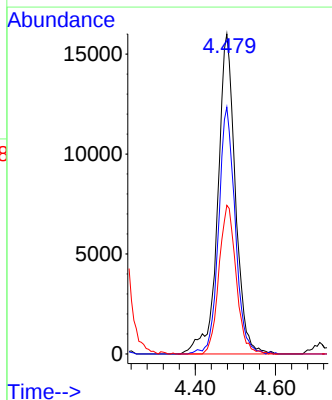
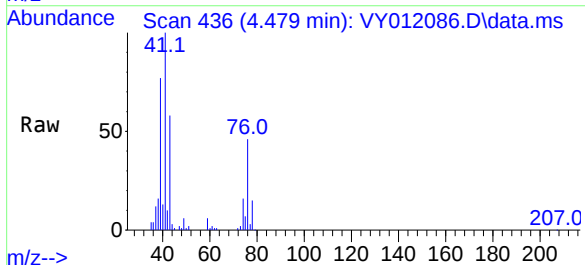
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

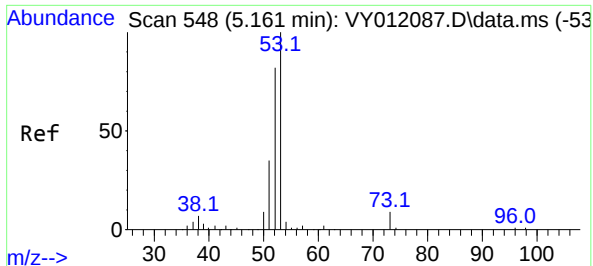
Tgt Ion: 56 Resp: 15787  
Ion Ratio Lower Upper  
56 100  
55 67.7 56.6 85.0



#14  
Allyl chloride  
Concen: 21.313 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 41 Resp: 48667  
Ion Ratio Lower Upper  
41 100  
39 72.6 53.5 80.3  
76 45.5 31.1 46.7





#15

Acrylonitrile

Concen: 104.946 ug/l

RT: 5.155 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

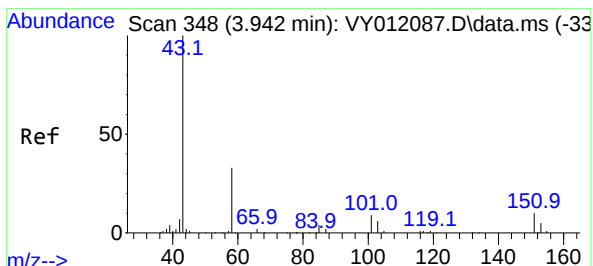
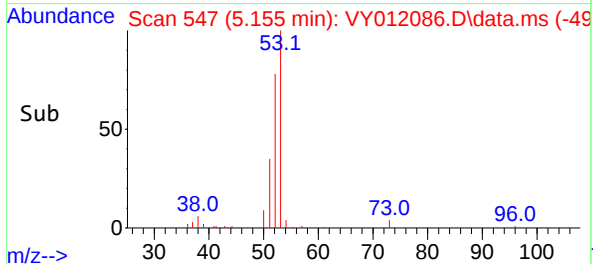
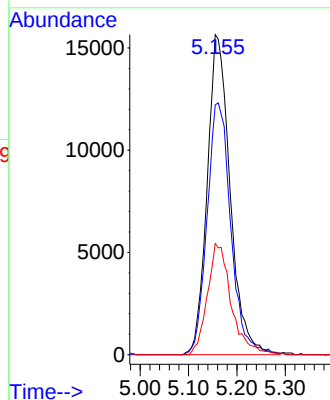
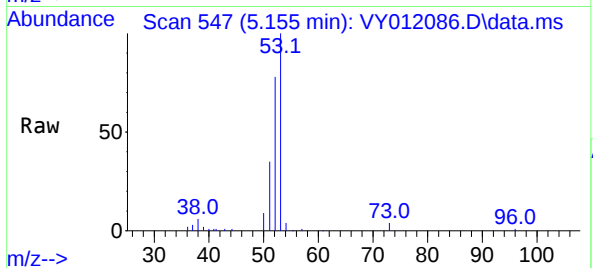
Tgt Ion: 53 Resp: 51543

Ion Ratio Lower Upper

53 100

52 81.7 65.1 97.7

51 36.2 28.7 43.1



#16

Acetone

Concen: 98.659 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY012086.D

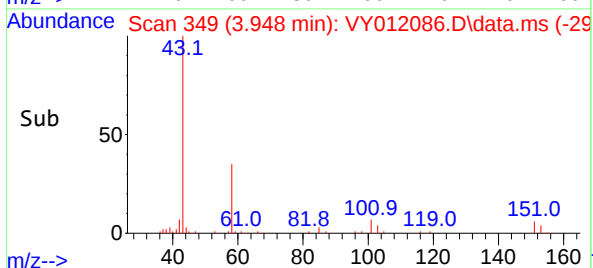
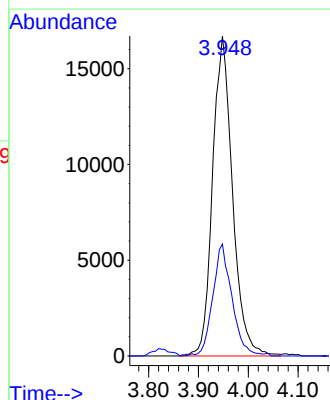
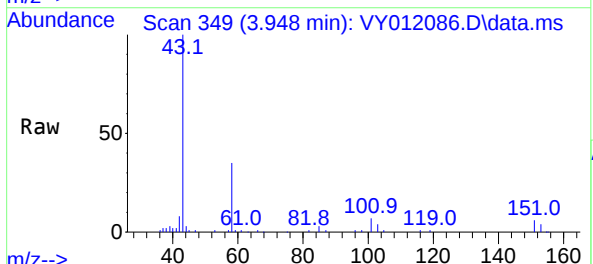
Acq: 06 Jan 2023 12:30

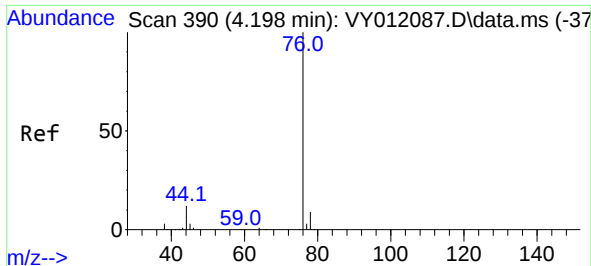
Tgt Ion: 43 Resp: 46375

Ion Ratio Lower Upper

43 100

58 35.0 27.9 41.9

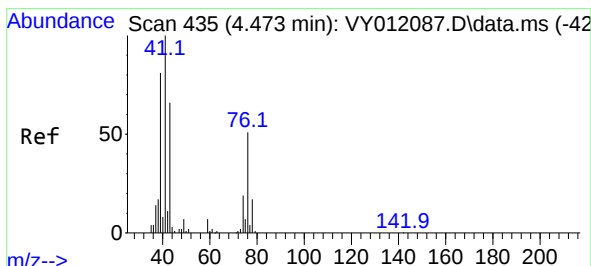
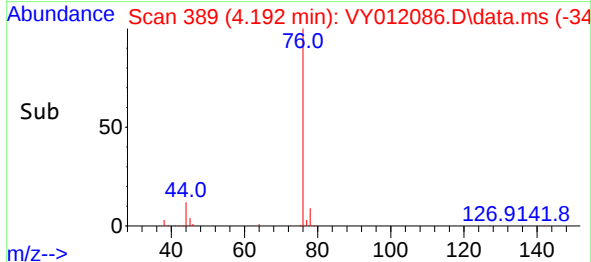
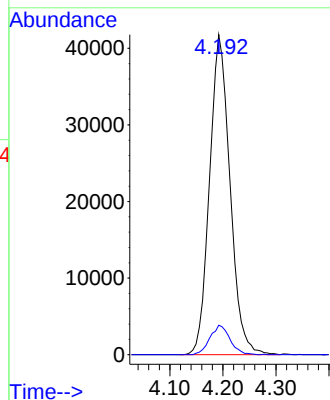
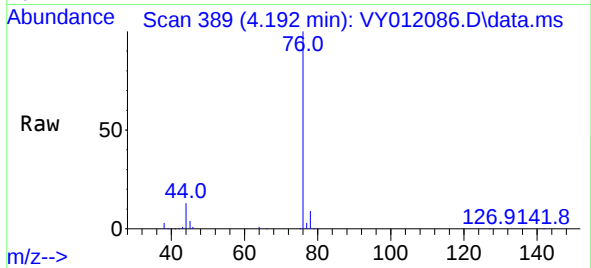




#17  
Carbon Disulfide  
Concen: 24.564 ug/l  
RT: 4.192 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

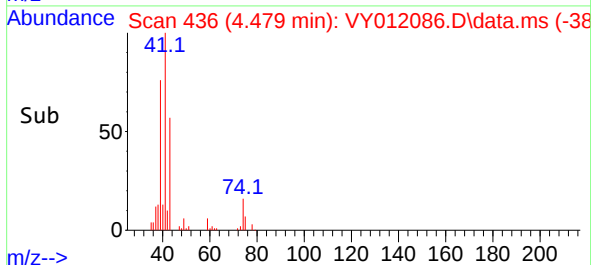
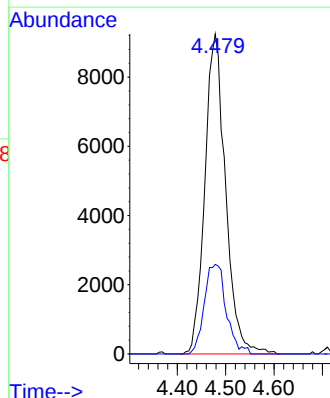
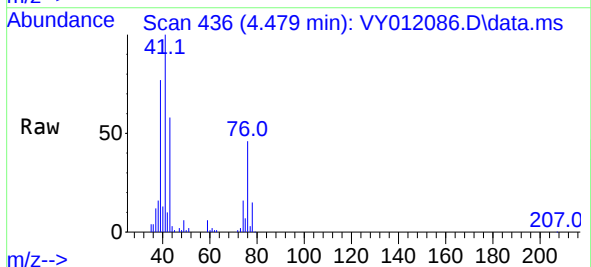
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

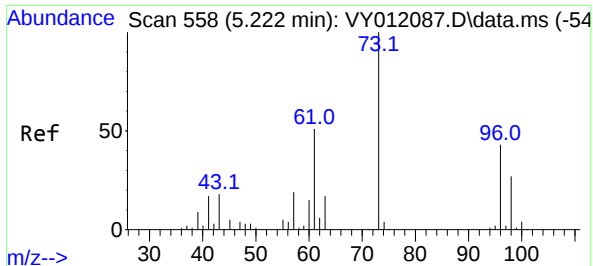
Tgt Ion: 76 Resp: 112022  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8



#18  
Methyl Acetate  
Concen: 20.179 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 43 Resp: 27481  
Ion Ratio Lower Upper  
43 100  
74 29.6 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 20.610 ug/l

RT: 5.216 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

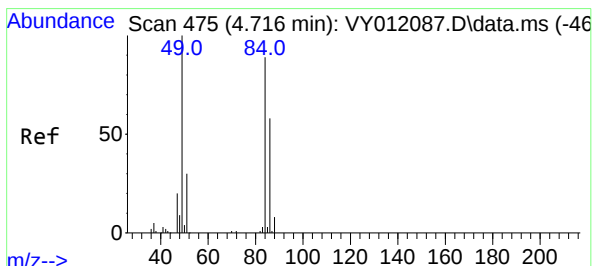
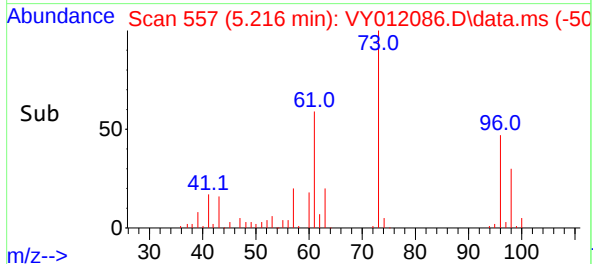
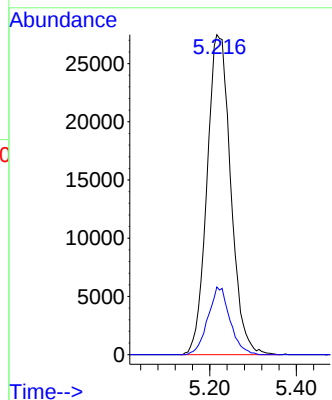
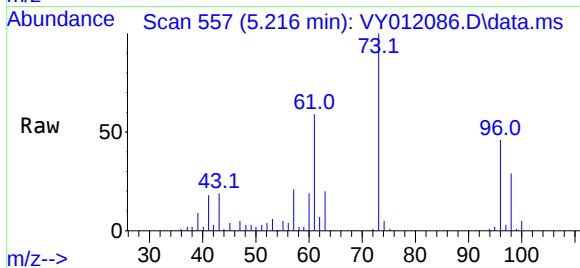
VSTDIC020

Tgt Ion: 73 Resp: 104634

Ion Ratio Lower Upper

73 100

57 21.1 17.4 26.0



#20

Methylene Chloride

Concen: 20.773 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Tgt Ion: 84 Resp: 47321

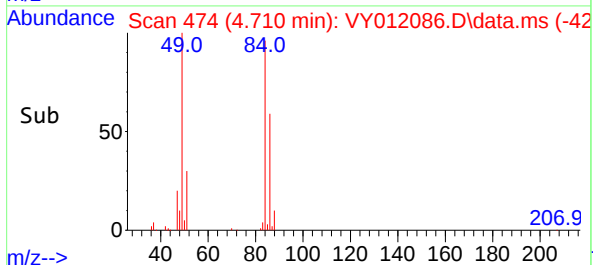
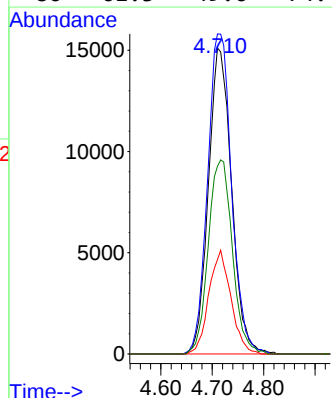
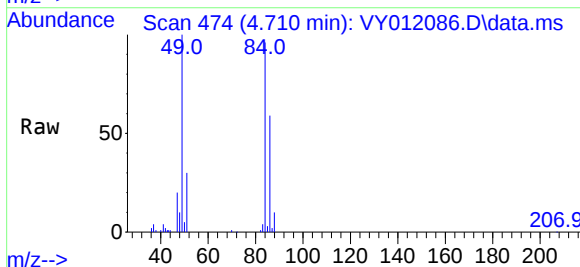
Ion Ratio Lower Upper

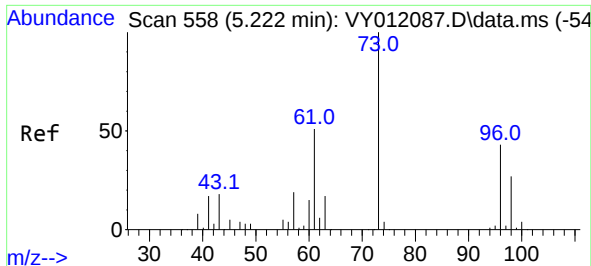
84 100

49 104.6 95.4 143.2

51 30.8 29.9 44.9

86 61.3 49.6 74.4

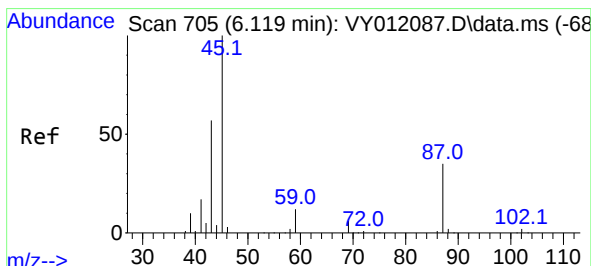
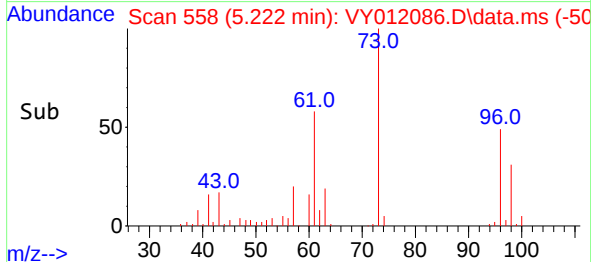
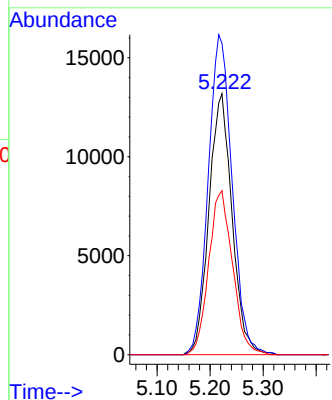
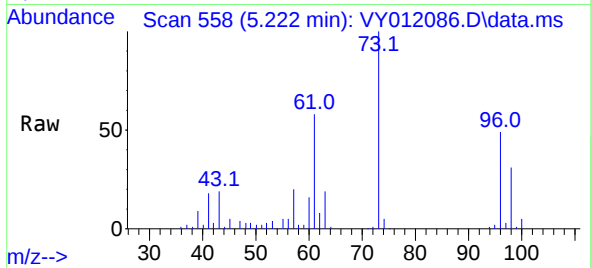




#21  
trans-1,2-Dichloroethene  
Concen: 21.247 ug/l  
RT: 5.222 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

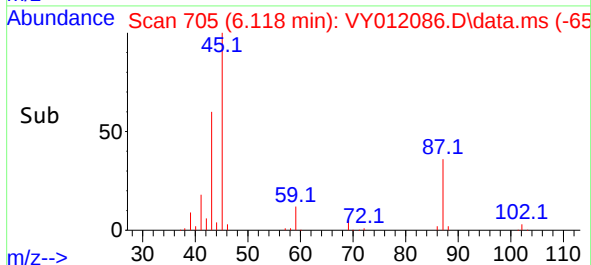
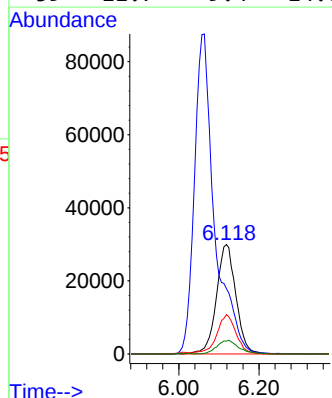
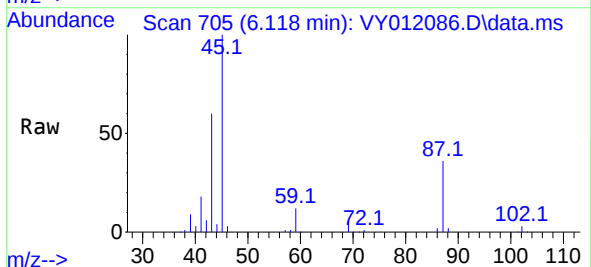
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

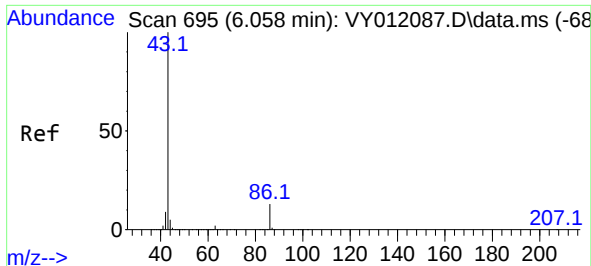
Tgt Ion: 96 Resp: 40023  
Ion Ratio Lower Upper  
96 100  
61 119.3 108.0 162.0  
98 62.8 51.6 77.4



#22  
Diisopropyl ether  
Concen: 21.151 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 45 Resp: 100691  
Ion Ratio Lower Upper  
45 100  
43 59.2 45.0 67.4  
87 35.9 22.6 33.8#  
59 11.7 9.4 14.0

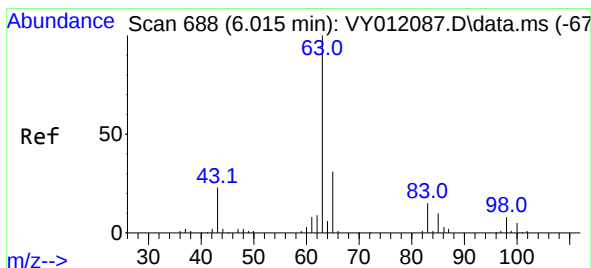
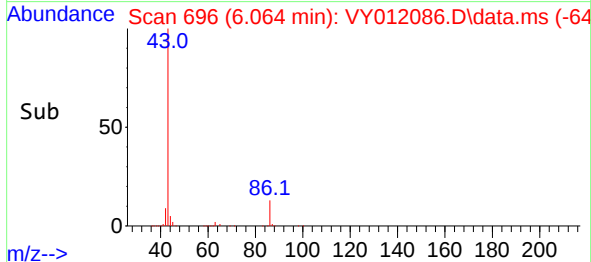
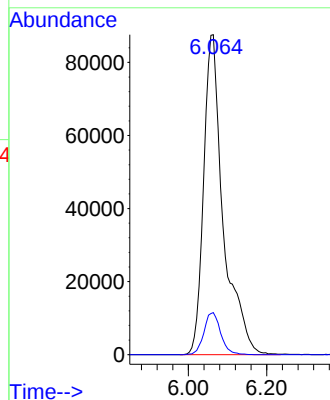
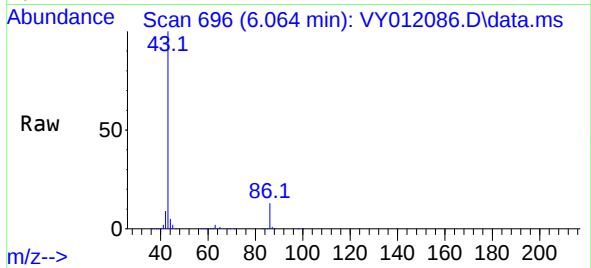




#23  
 Vinyl Acetate  
 Concen: 105.663 ug/l  
 RT: 6.064 min Scan# 695  
 Delta R.T. 0.006 min  
 Lab File: VY012086.D  
 Acq: 06 Jan 2023 12:30

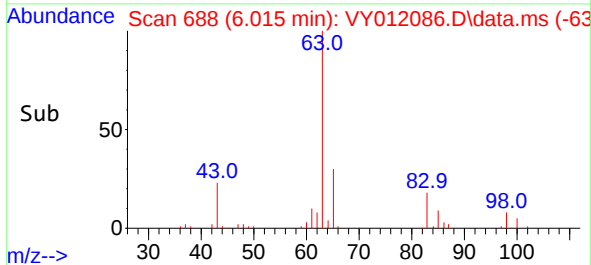
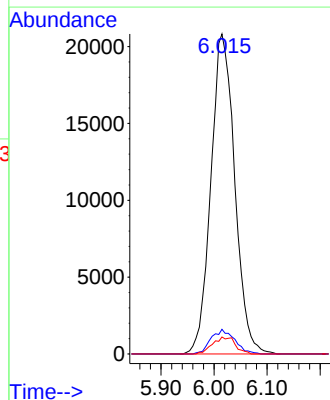
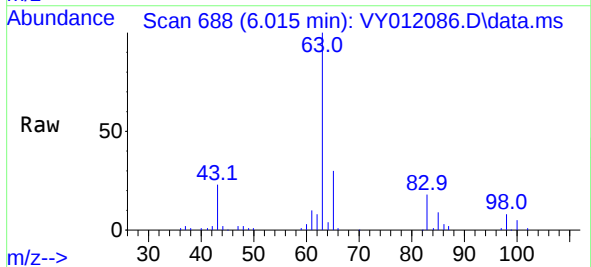
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC020

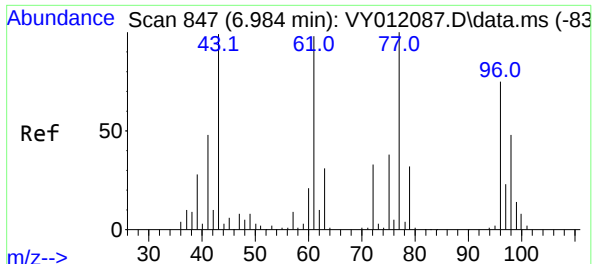
Tgt Ion: 43 Resp: 305116  
 Ion Ratio Lower Upper  
 43 100  
 86 13.1 9.0 13.4



#24  
 1,1-Dichloroethane  
 Concen: 20.714 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY012086.D  
 Acq: 06 Jan 2023 12:30

Tgt Ion: 63 Resp: 65083  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.5 10.5  
 100 5.3 2.2 6.6

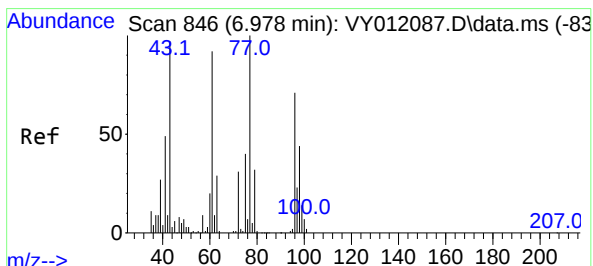
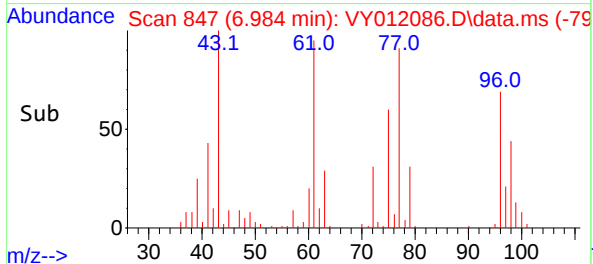
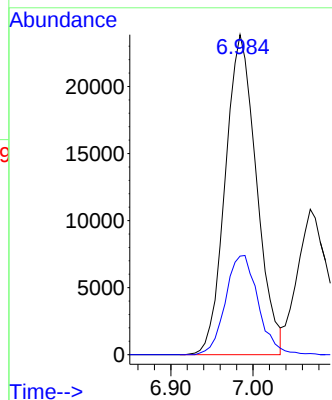
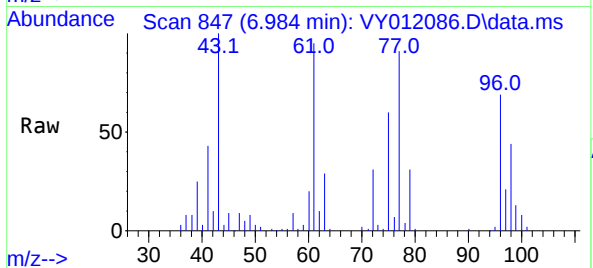




#25  
2-Butanone  
Concen: 101.818 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

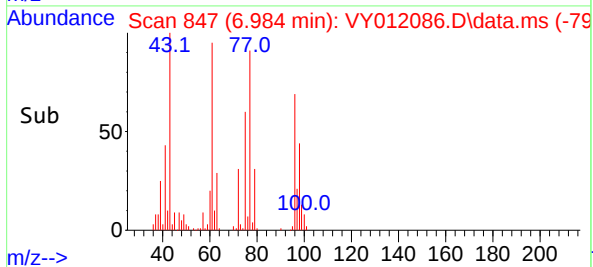
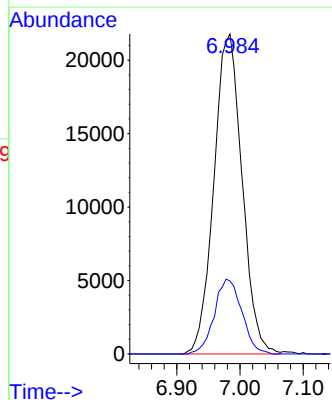
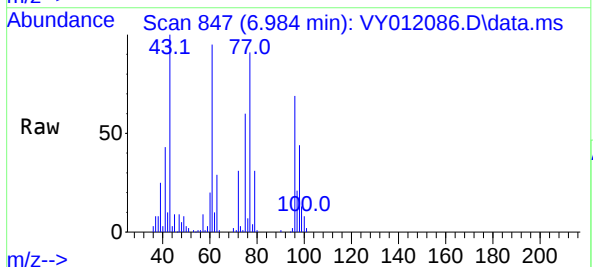
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

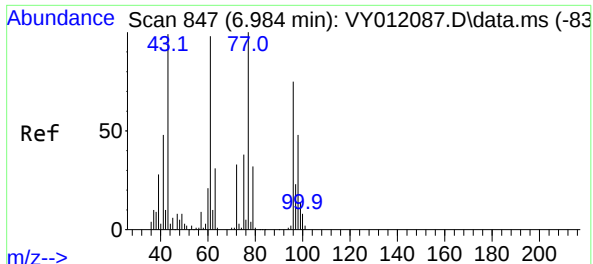
Tgt Ion: 43 Resp: 63034  
Ion Ratio Lower Upper  
43 100  
72 30.8 22.6 34.0



#26  
2,2-Dichloropropane  
Concen: 19.784 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 77 Resp: 67334  
Ion Ratio Lower Upper  
77 100  
97 22.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 21.092 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

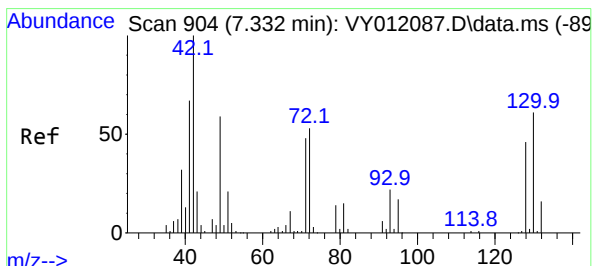
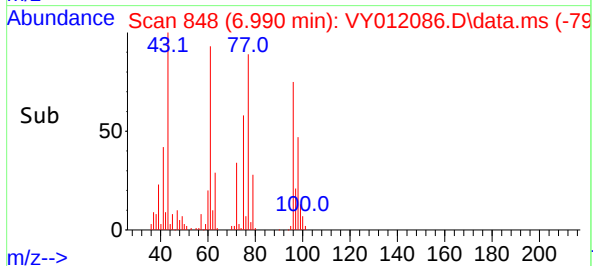
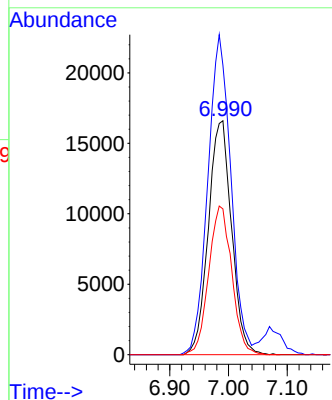
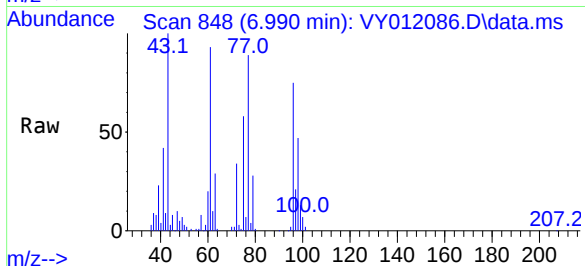
Tgt Ion: 96 Resp: 45566

Ion Ratio Lower Upper

96 100

61 135.4 0.0 283.4

98 63.0 0.0 127.6



#28

Bromochloromethane

Concen: 19.782 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

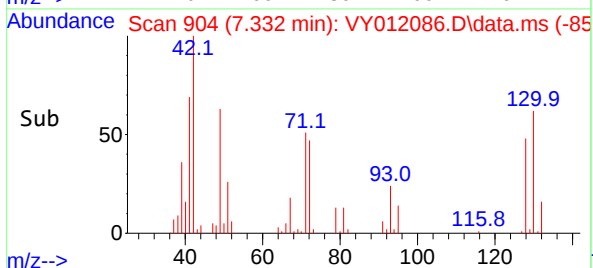
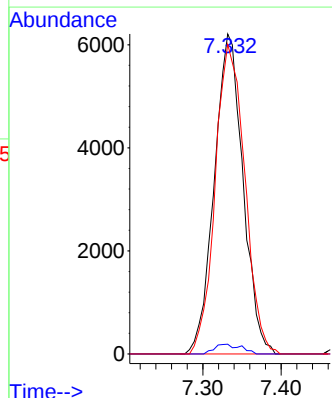
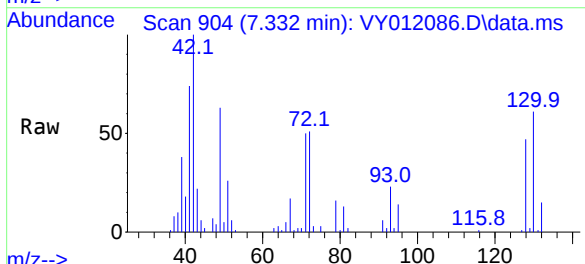
Tgt Ion: 49 Resp: 15805

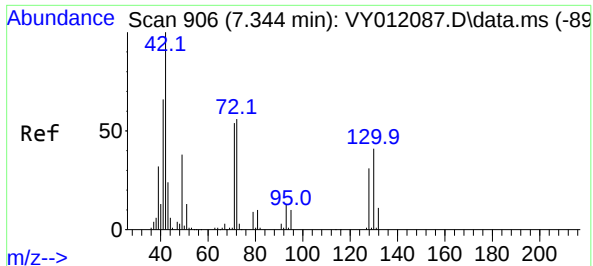
Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.6

130 100.0 66.7 100.1

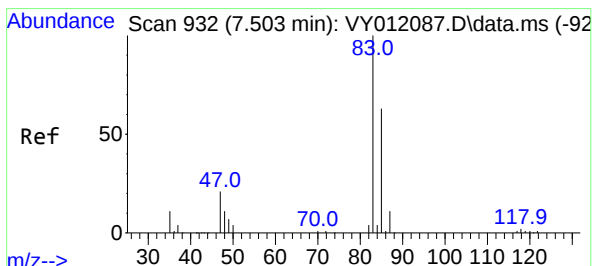
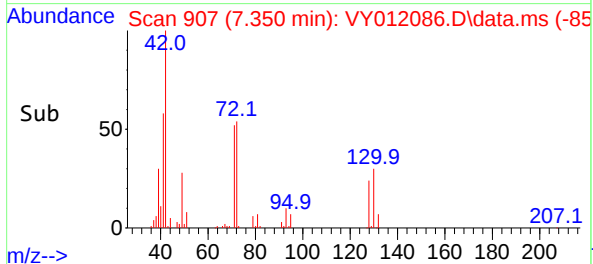
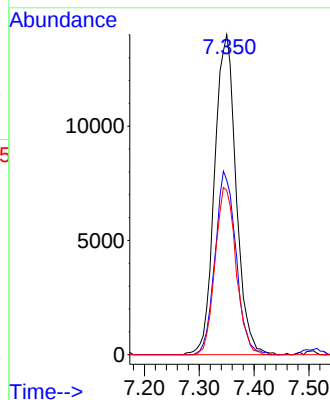
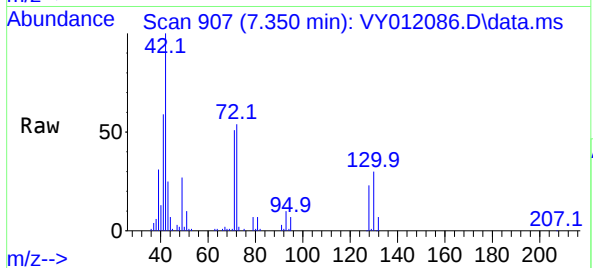




#29  
Tetrahydrofuran  
Concen: 104.758 ug/l  
RT: 7.350 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

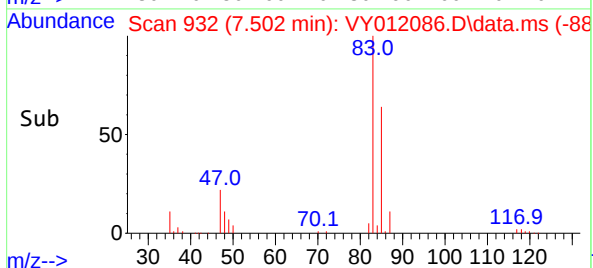
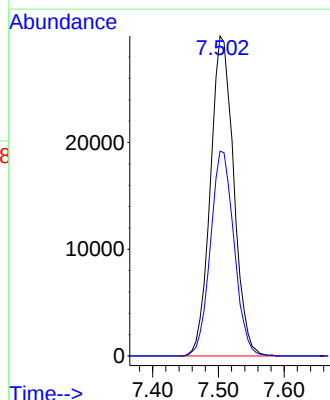
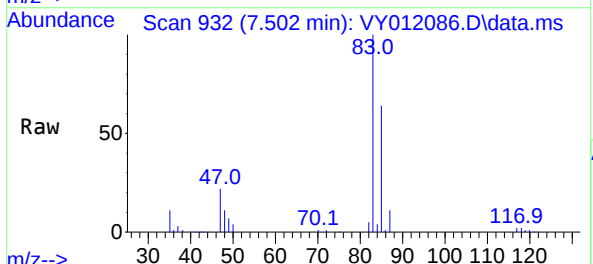
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

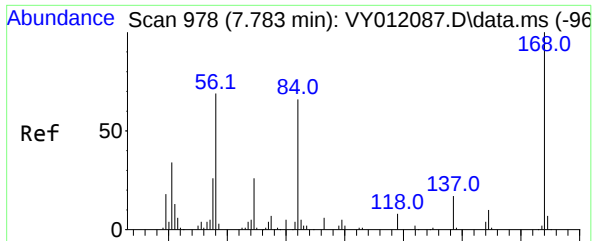
Tgt Ion: 42 Resp: 38231  
Ion Ratio Lower Upper  
42 100  
72 55.6 37.0 55.6  
71 50.8 34.9 52.3



#30  
Chloroform  
Concen: 20.565 ug/l  
RT: 7.502 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 83 Resp: 73888  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.5 77.3

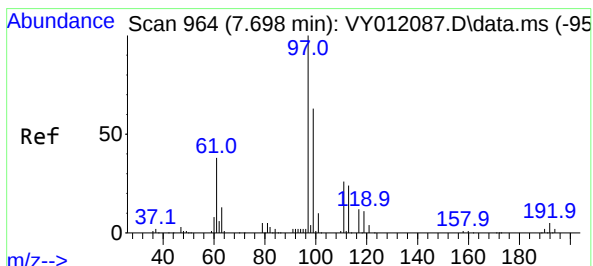
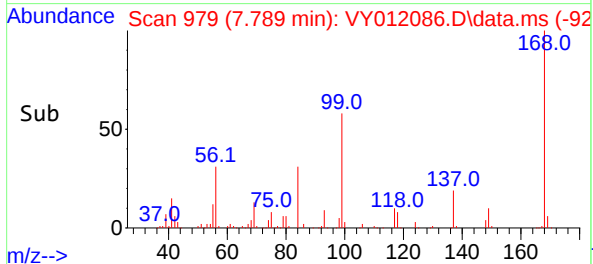
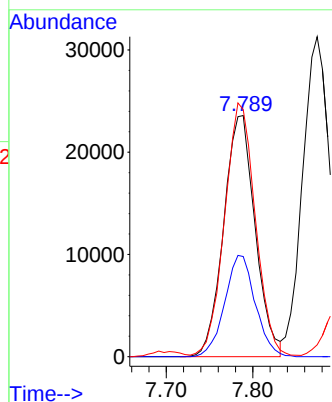
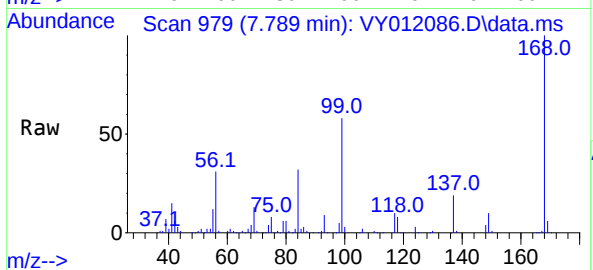




#31  
Cyclohexane  
Concen: 22.183 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

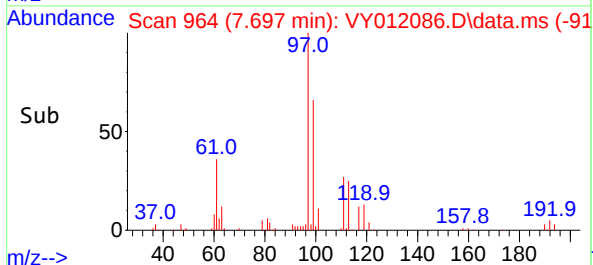
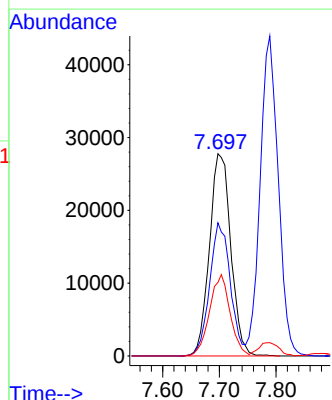
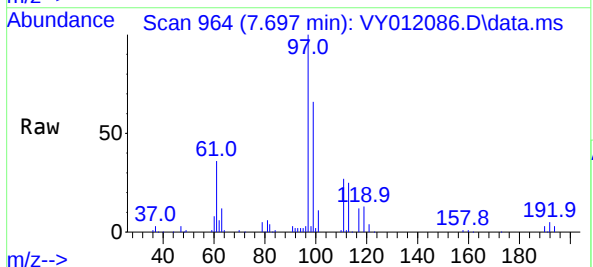
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

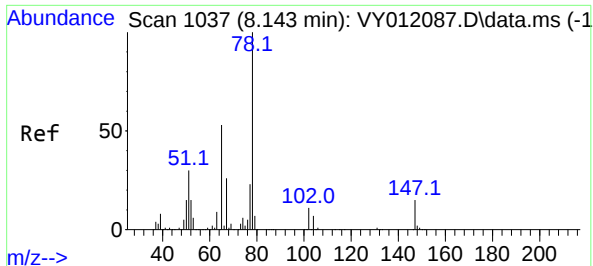
Tgt Ion: 56 Resp: 59681  
Ion Ratio Lower Upper  
56 100  
69 41.5 29.2 43.8  
84 101.0 72.6 108.8



#32  
1,1,1-Trichloroethane  
Concen: 20.787 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 97 Resp: 72669  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.0 76.4  
61 38.7 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 21.854 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

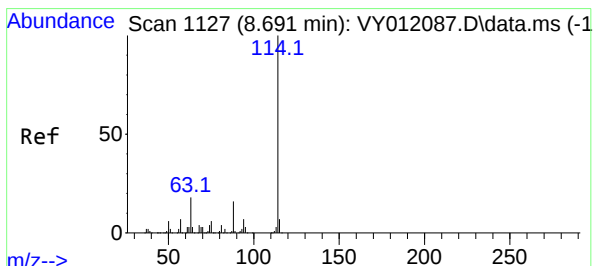
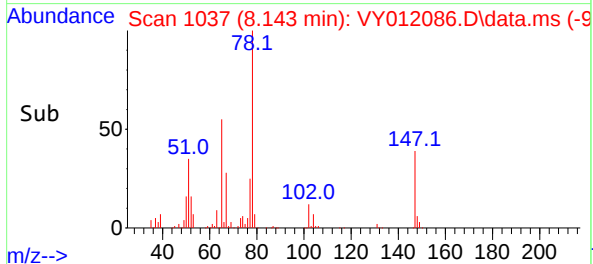
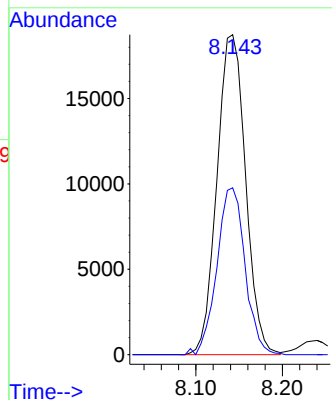
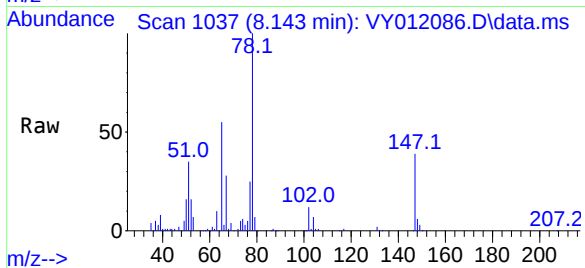
VSTDICC020

Tgt Ion: 65 Resp: 43025

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

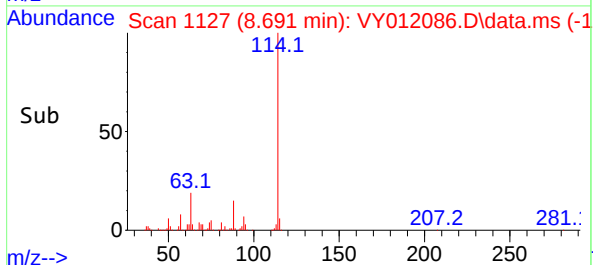
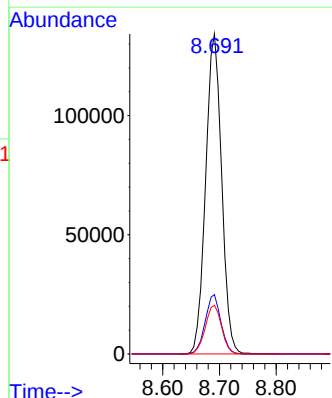
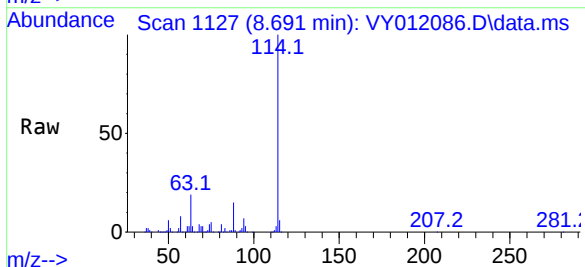
Tgt Ion:114 Resp: 262429

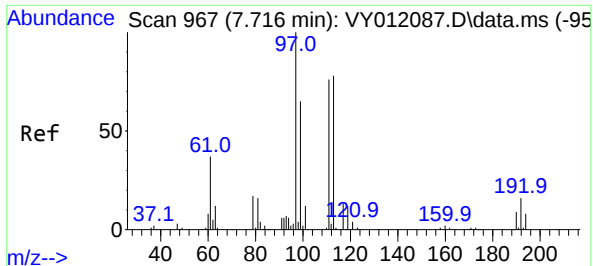
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.2 0.0 32.2

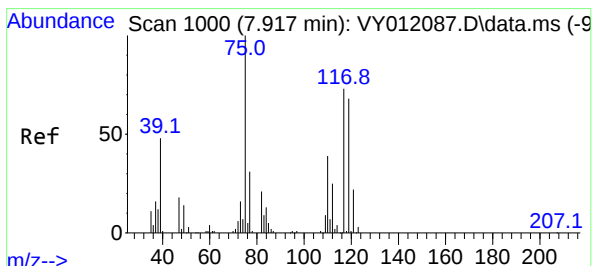
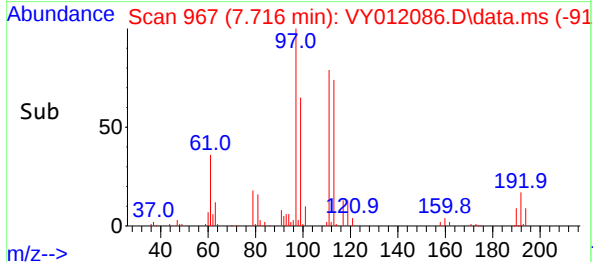
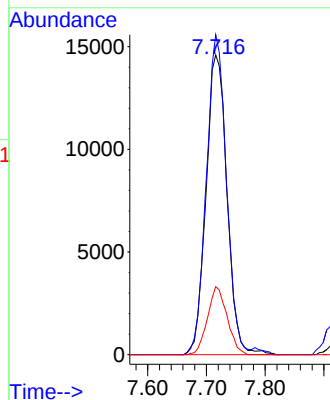
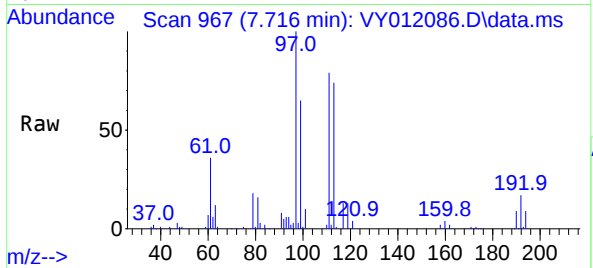




#35  
Dibromofluoromethane  
Concen: 21.096 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

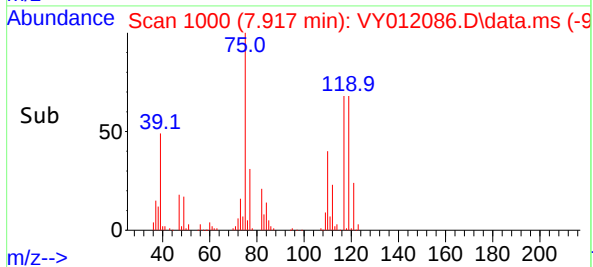
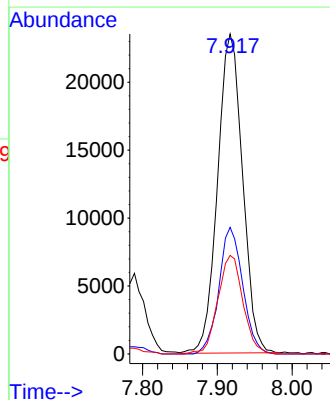
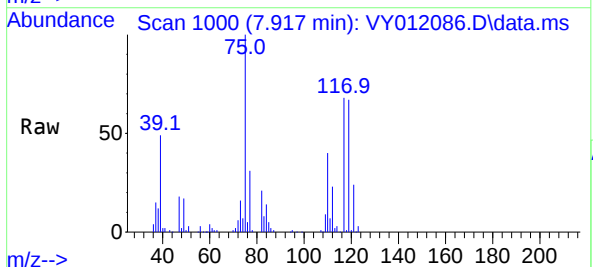
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

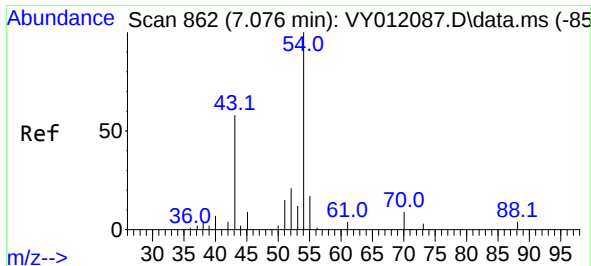
Tgt Ion:113 Resp: 36207  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.0 124.4  
192 21.3 16.0 24.0



#36  
1,1-Dichloropropene  
Concen: 20.966 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 75 Resp: 54687  
Ion Ratio Lower Upper  
75 100  
110 37.8 18.1 54.1  
77 30.9 25.1 37.7



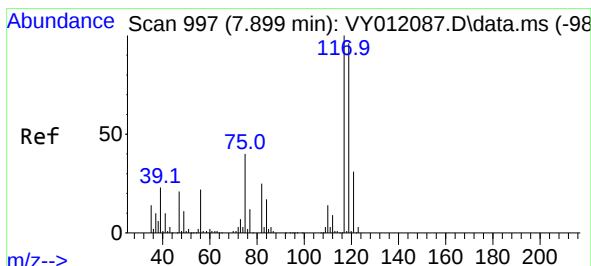
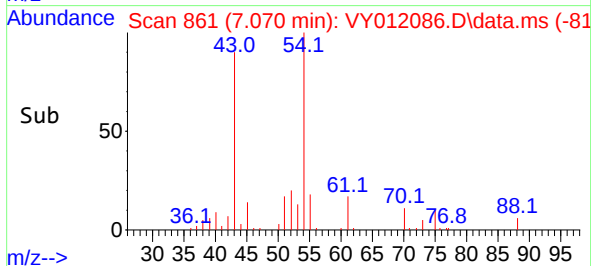
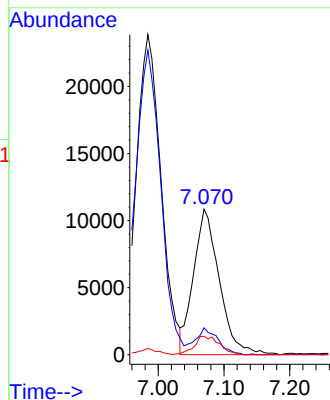
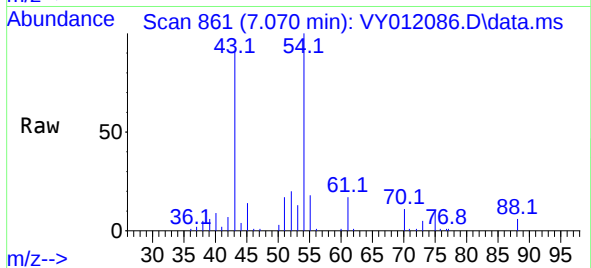


#37  
Ethyl Acetate  
Concen: 21.072 ug/l  
RT: 7.070 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Tgt Ion: 43 Resp: 29552

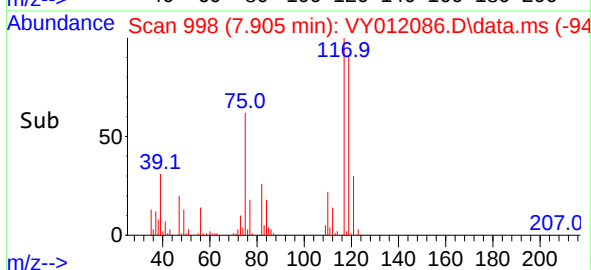
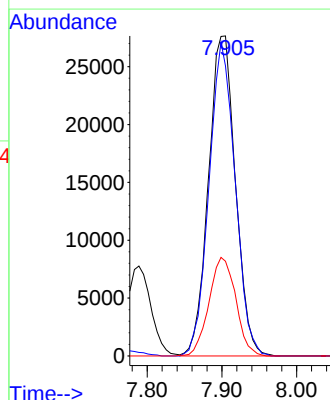
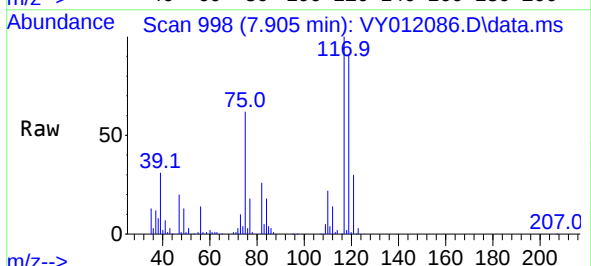
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 15.4  | 11.3  | 16.9  |
| 70  | 12.4  | 8.2   | 12.4  |

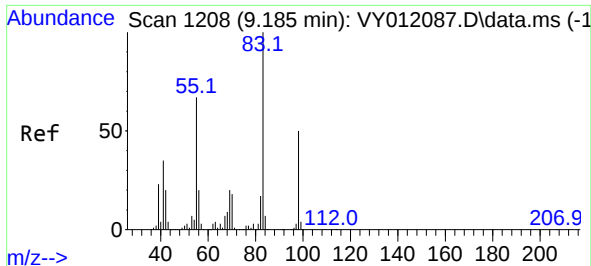


#38  
Carbon Tetrachloride  
Concen: 20.927 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 117 Resp: 69409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 90.6  | 73.8  | 110.8 |
| 121 | 29.6  | 25.2  | 37.8  |





#39

Methylcyclohexane

Concen: 21.561 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

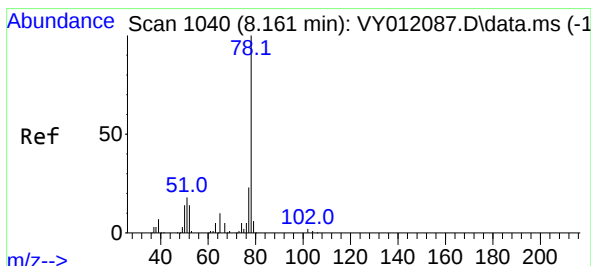
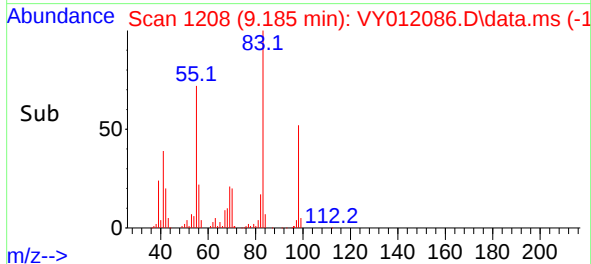
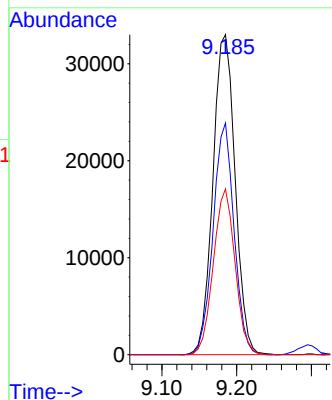
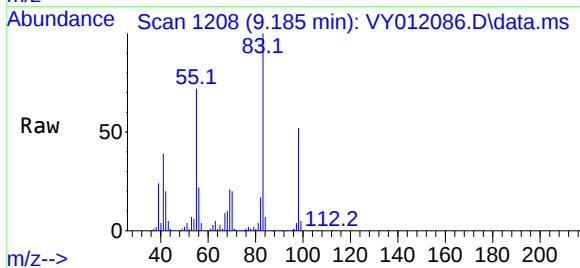
Tgt Ion: 83 Resp: 68252

Ion Ratio Lower Upper

83 100

55 72.4 58.2 87.2

98 51.8 38.6 58.0



#40

Benzene

Concen: 20.956 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY012086.D

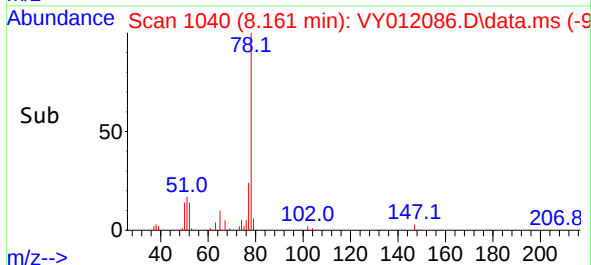
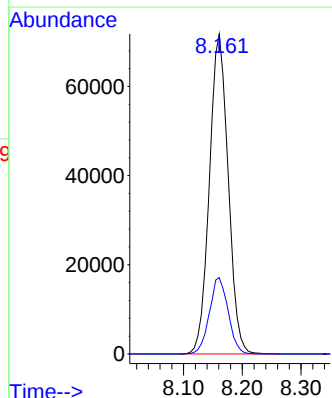
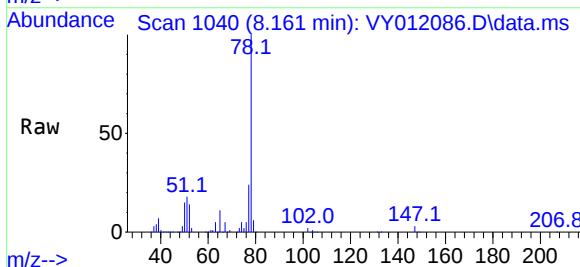
Acq: 06 Jan 2023 12:30

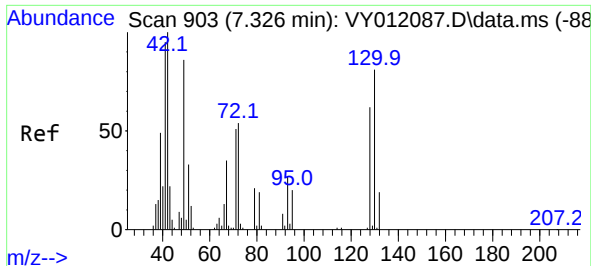
Tgt Ion: 78 Resp: 159226

Ion Ratio Lower Upper

78 100

77 23.8 18.6 27.8



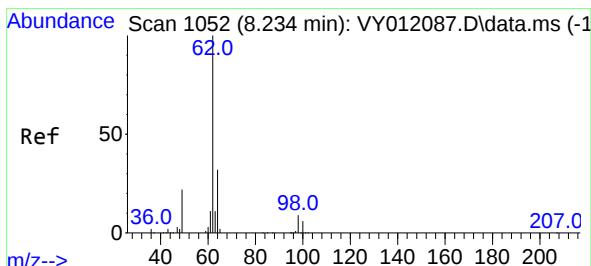
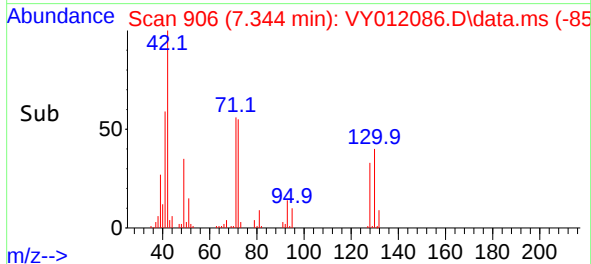
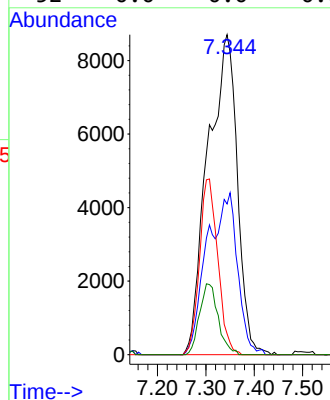
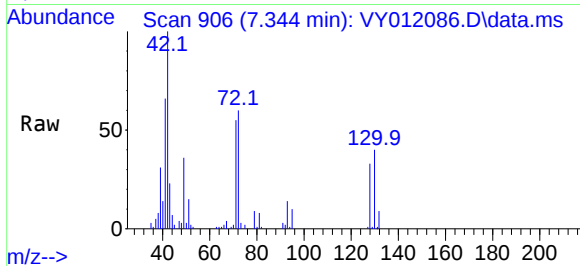


#41  
Methacrylonitrile  
Concen: 52.427 ug/l  
RT: 7.344 min Scan# 903  
Delta R.T. 0.018 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

Tgt Ion: 41 Resp: 36684

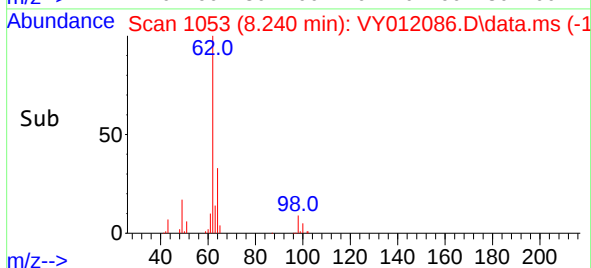
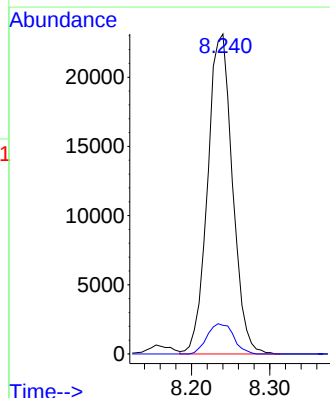
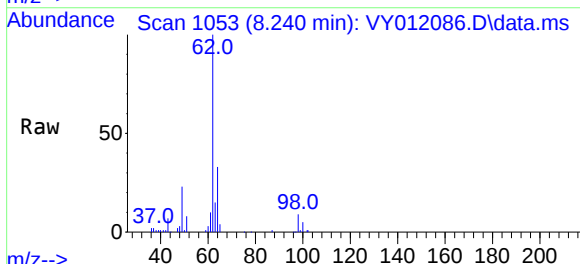
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 28.5  | 0.0   | 0.0#  |
| 67  | 0.0   | 0.0   | 0.0   |
| 52  | 0.0   | 0.0   | 0.0   |

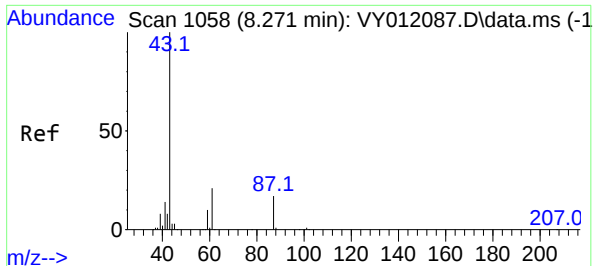


#42  
1,2-Dichloroethane  
Concen: 20.816 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 62 Resp: 50961

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.0  | 0.0   | 19.6  |

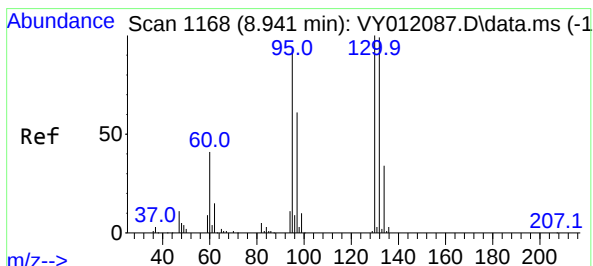
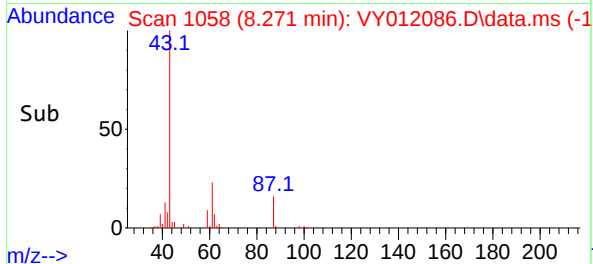
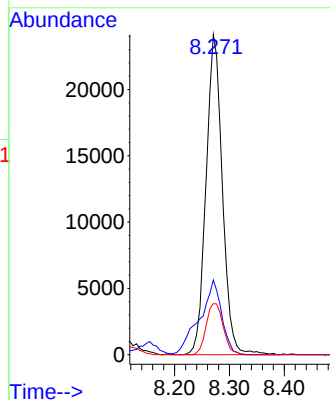
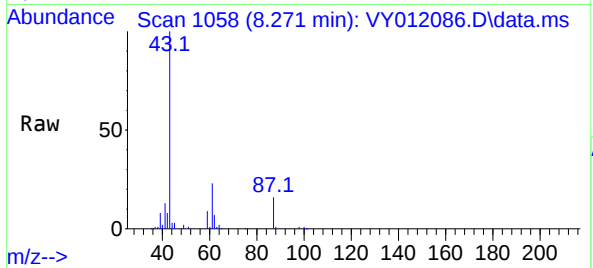




#43  
Isopropyl Acetate  
Concen: 20.893 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

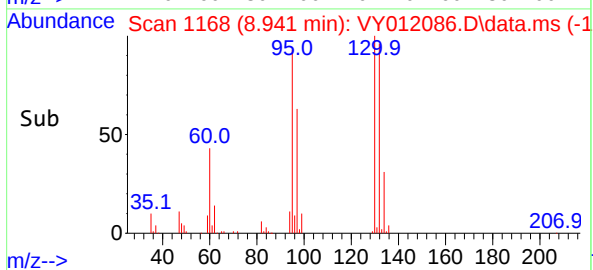
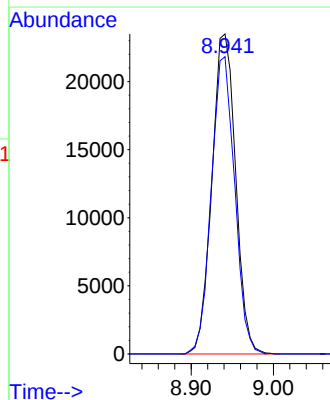
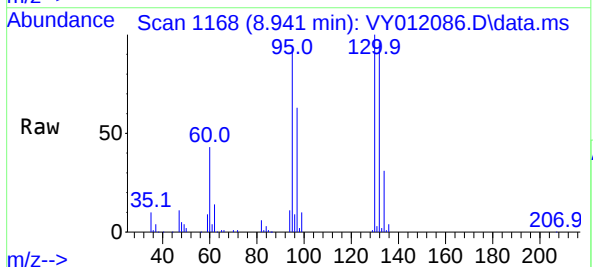
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

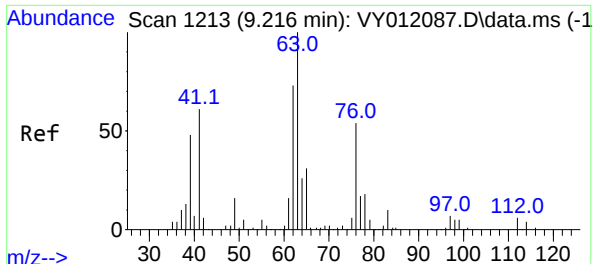
Tgt Ion: 43 Resp: 49849  
Ion Ratio Lower Upper  
43 100  
61 31.5 24.4 36.6  
87 16.7 11.4 17.2



#44  
Trichloroethene  
Concen: 21.112 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 130 Resp: 47220  
Ion Ratio Lower Upper  
130 100  
95 92.9 0.0 190.6





#45

1,2-Dichloropropane

Concen: 20.388 ug/l

RT: 9.215 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

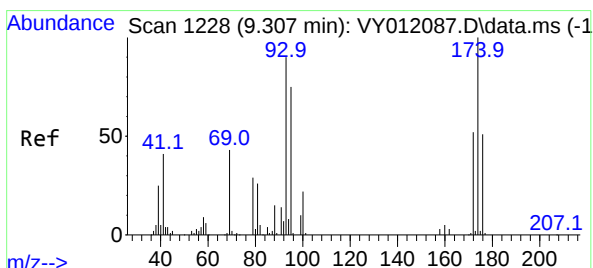
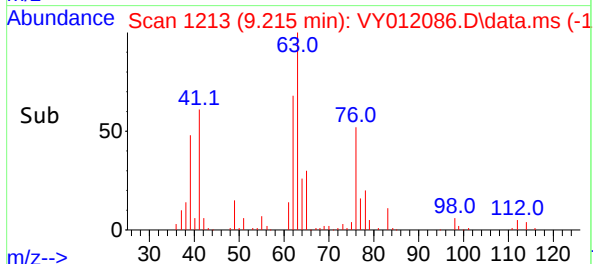
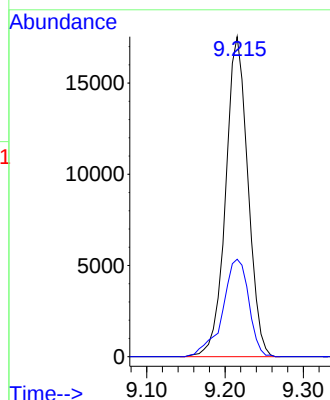
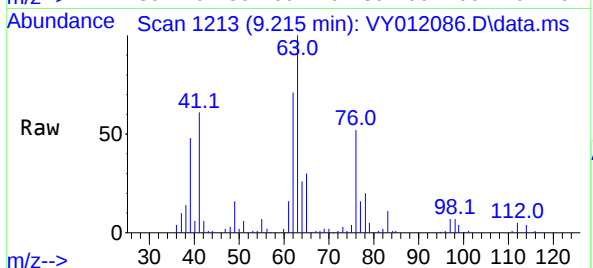
VSTDICC020

Tgt Ion: 63 Resp: 34610

Ion Ratio Lower Upper

63 100

65 30.5 24.9 37.3



#46

Dibromomethane

Concen: 20.864 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

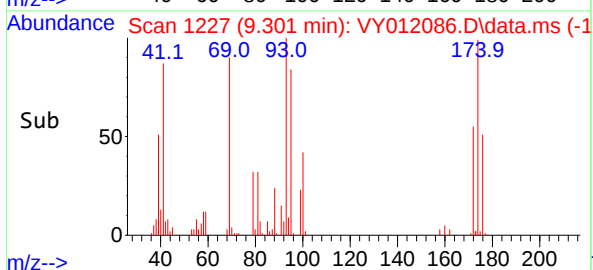
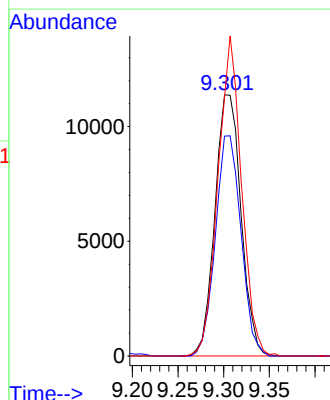
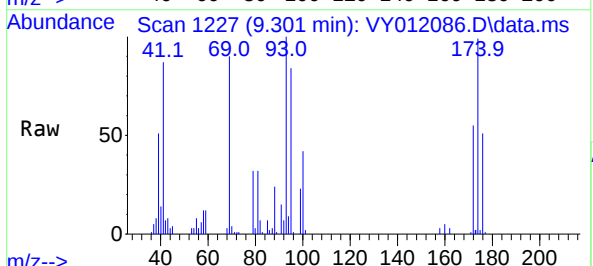
Tgt Ion: 93 Resp: 22608

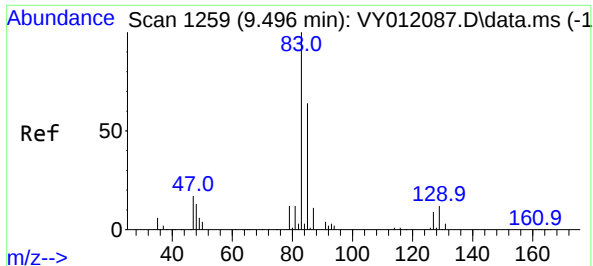
Ion Ratio Lower Upper

93 100

95 82.9 66.1 99.1

174 110.7 84.7 127.1

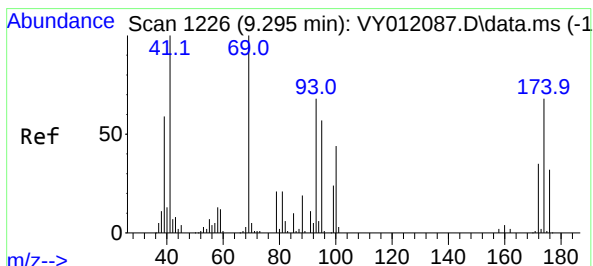
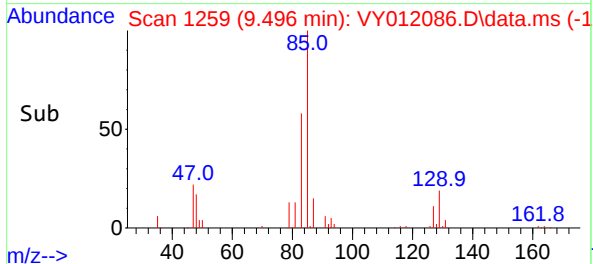
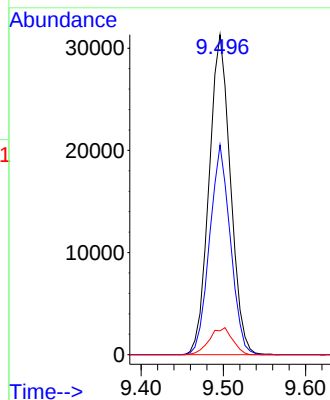
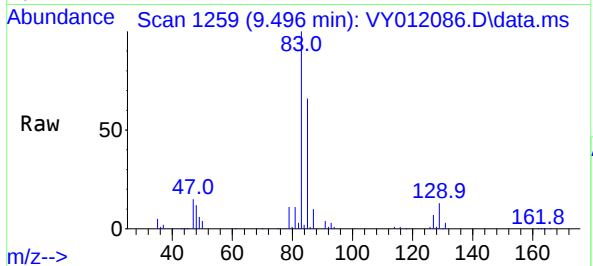




#47  
Bromodichloromethane  
Concen: 20.465 ug/l  
RT: 9.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

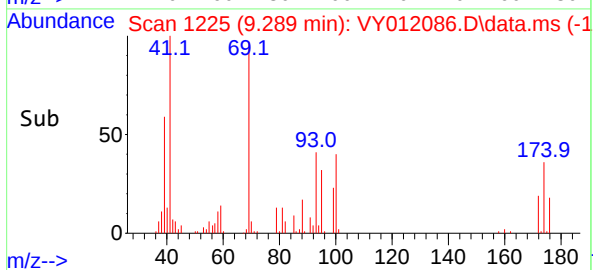
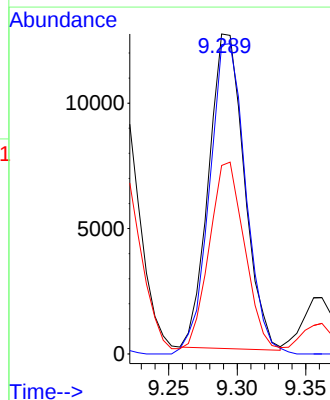
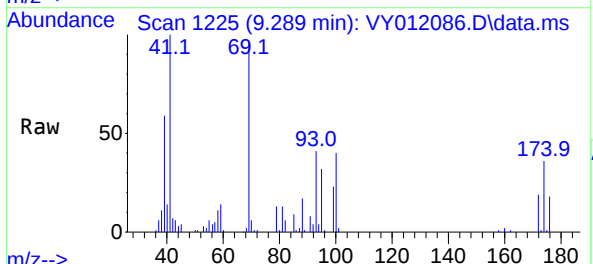
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

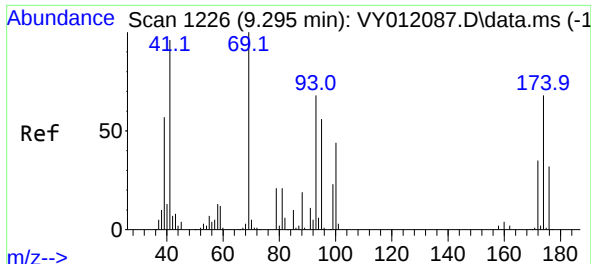
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 56520 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.6  | 52.0  | 78.0  |
| 127      | 7.5   | 7.3   | 10.9  |



#48  
Methyl methacrylate  
Concen: 21.008 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 22661 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 100.4 | 74.2  | 111.2 |
| 39       | 59.2  | 46.3  | 69.5  |

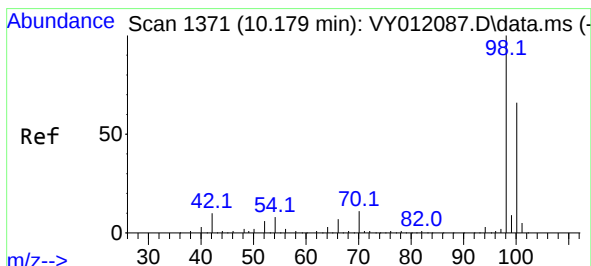
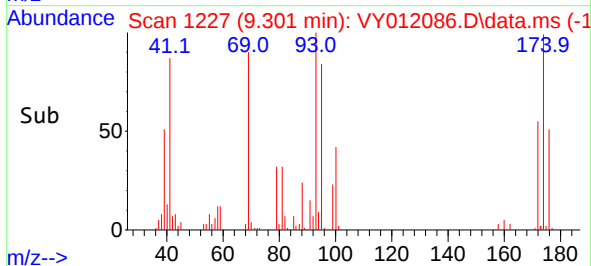
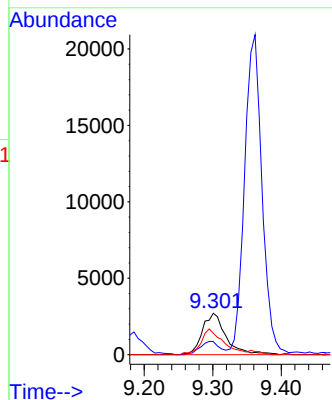
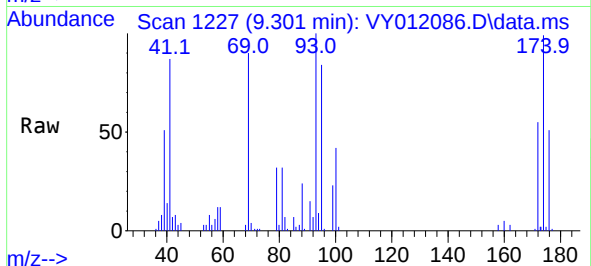




#49  
1,4-Dioxane  
Concen: 428.488 ug/l  
RT: 9.301 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

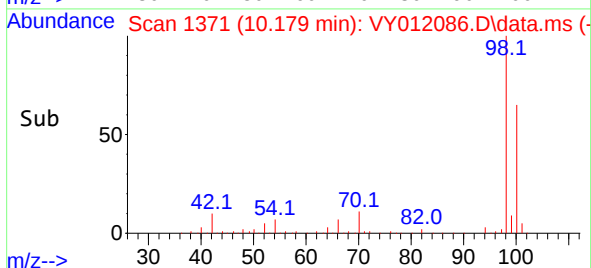
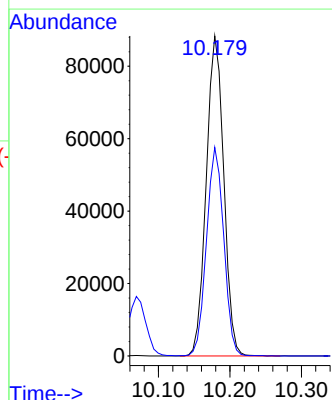
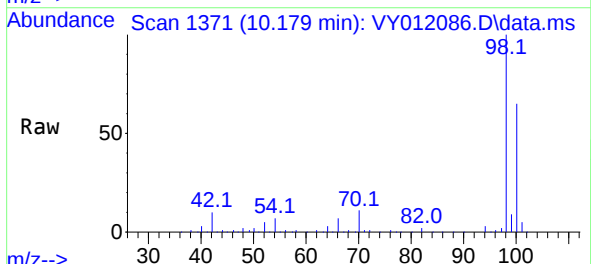
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

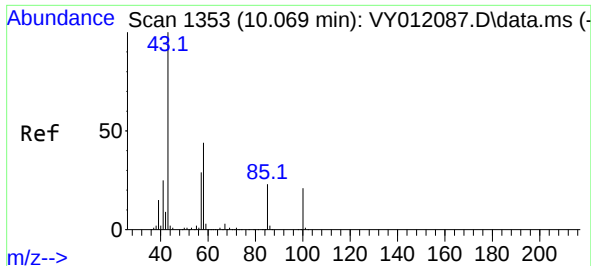
Tgt Ion: 88 Resp: 6475  
Ion Ratio Lower Upper  
88 100  
43 27.3 26.2 39.2  
58 59.0 54.3 81.5



#50  
Toluene-d8  
Concen: 22.294 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 98 Resp: 150309  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.9 77.9

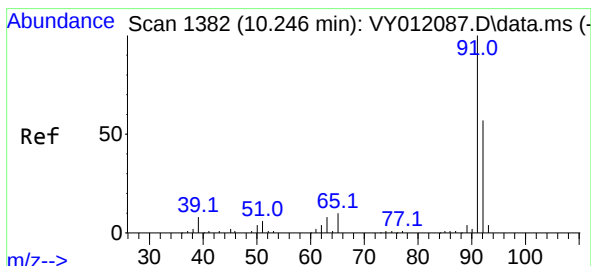
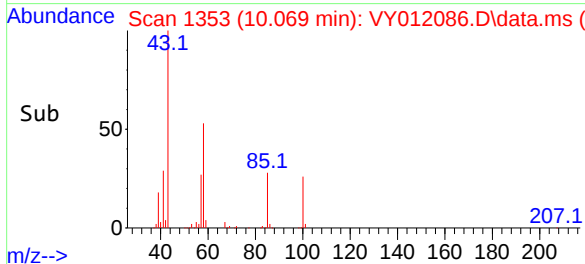
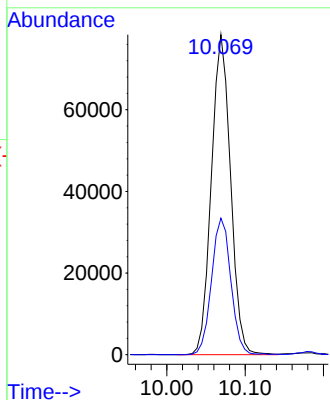
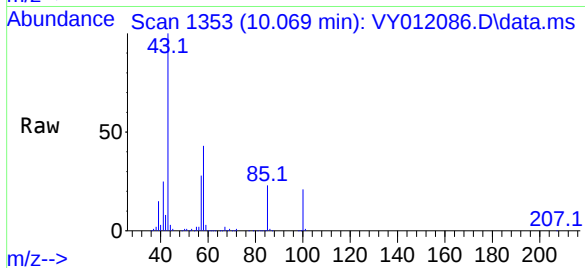




#51  
4-Methyl-2-Pentanone  
Concen: 104.165 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

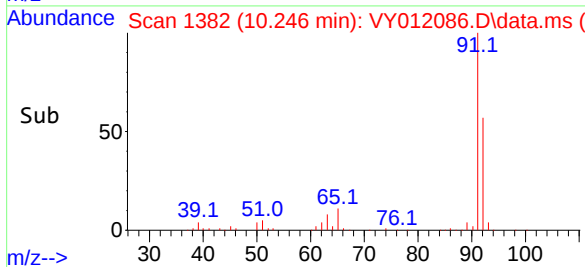
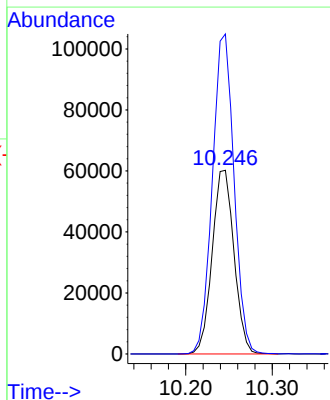
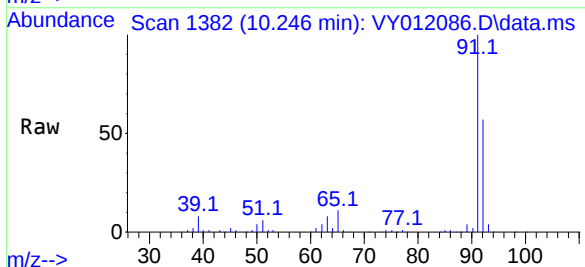
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

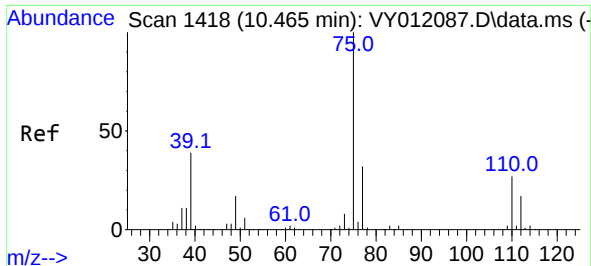
Tgt Ion: 43 Resp: 133409  
Ion Ratio Lower Upper  
43 100  
58 43.0 32.9 49.3



#52  
Toluene  
Concen: 20.911 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 92 Resp: 105457  
Ion Ratio Lower Upper  
92 100  
91 172.7 137.4 206.0

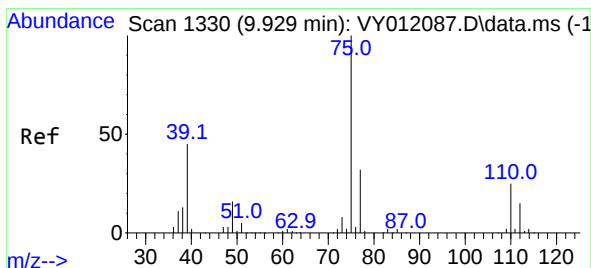
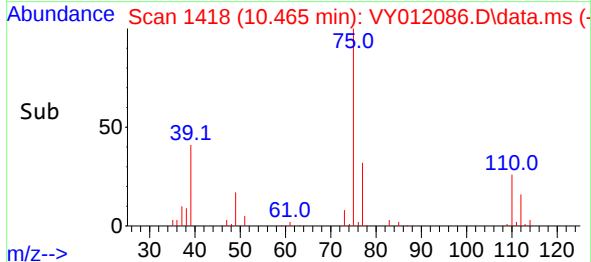
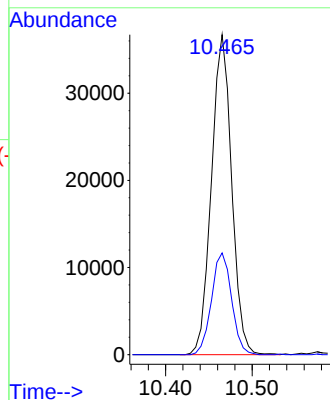
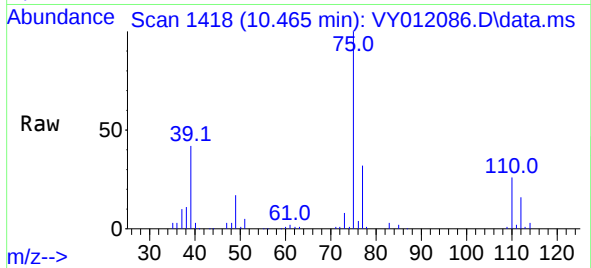




#53  
t-1,3-Dichloropropene  
Concen: 20.857 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

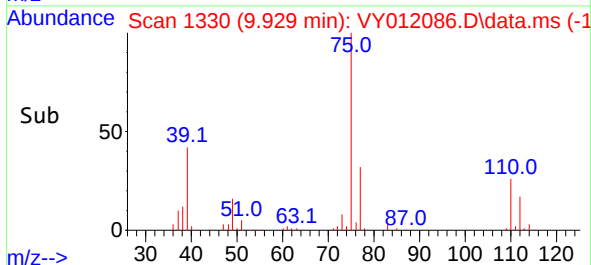
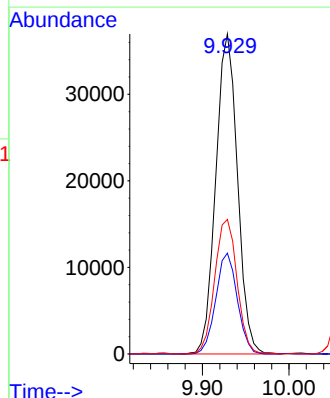
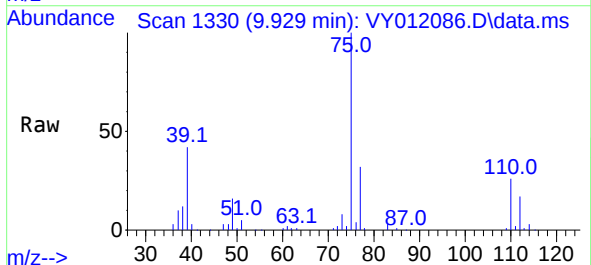
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

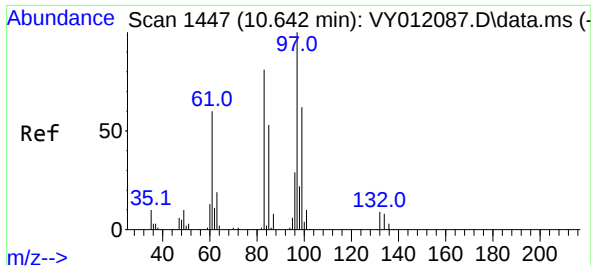
Tgt Ion: 75 Resp: 59458  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 20.950 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 75 Resp: 64376  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.9 38.9  
39 42.0 34.6 52.0



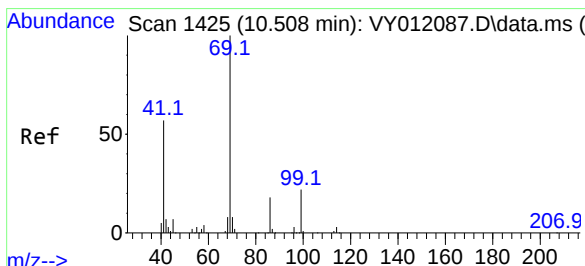
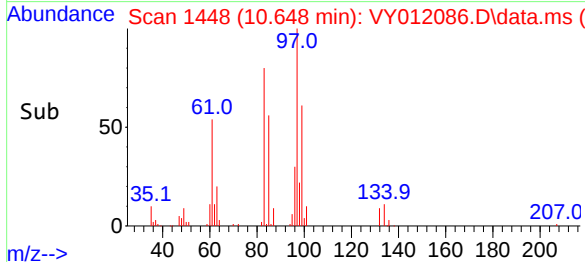
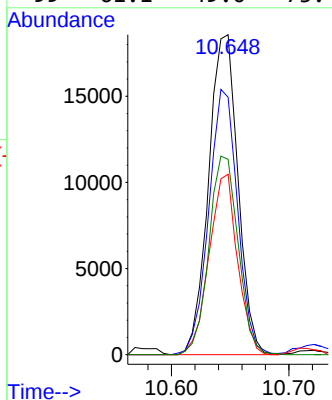
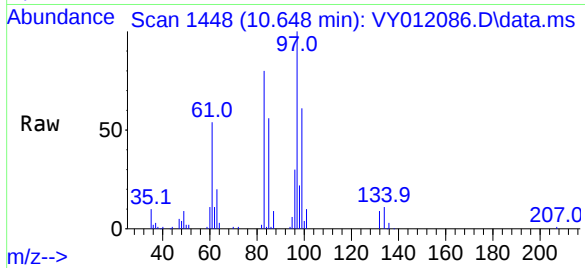


#55  
1,1,2-Trichloroethane  
Concen: 20.592 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

Tgt Ion: 97 Resp: 32358

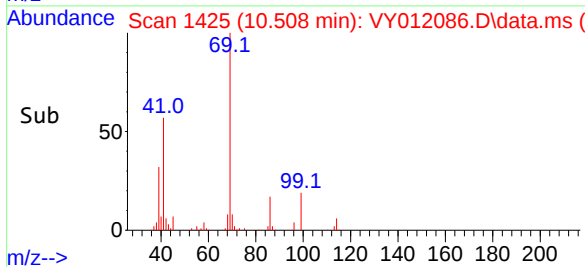
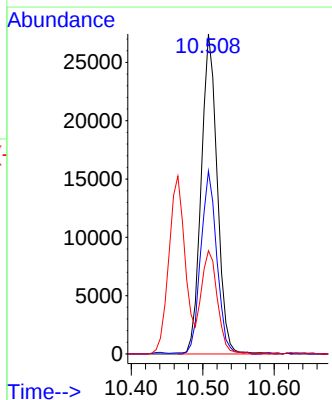
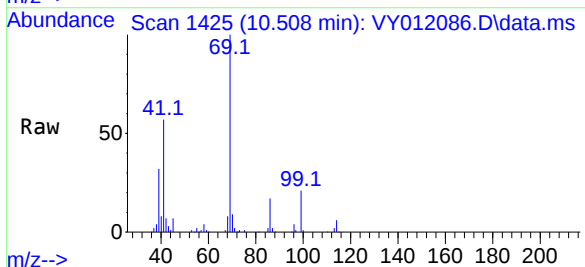
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.1  | 67.7  | 101.5 |
| 85  | 56.4  | 43.8  | 65.8  |
| 99  | 61.1  | 49.0  | 73.4  |

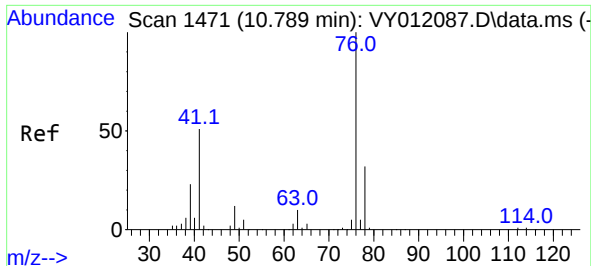


#56  
Ethyl methacrylate  
Concen: 20.777 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 69 Resp: 42775

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 57.4  | 48.9  | 73.3  |
| 39  | 32.0  | 25.9  | 38.9  |

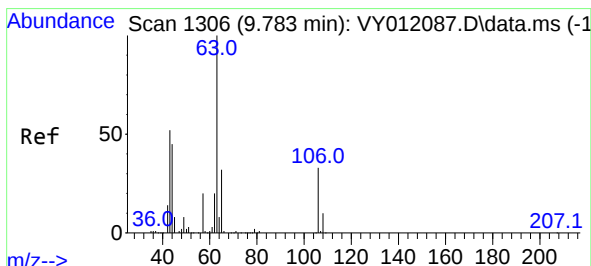
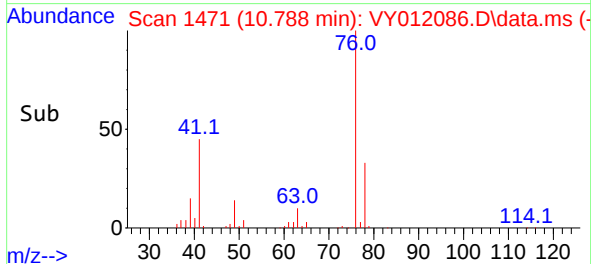
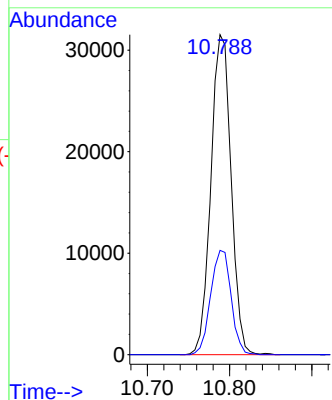
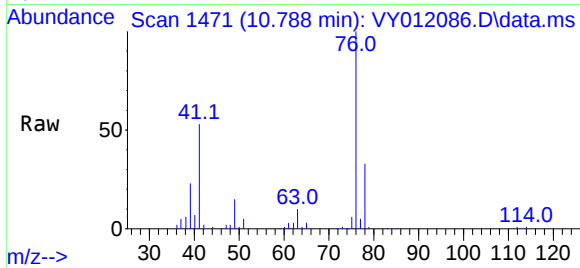




#57  
1,3-Dichloropropane  
Concen: 20.738 ug/l  
RT: 10.788 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

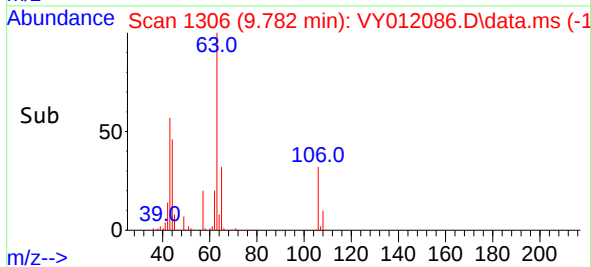
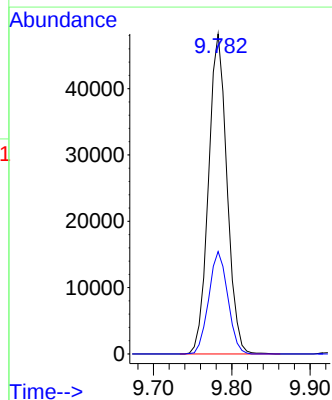
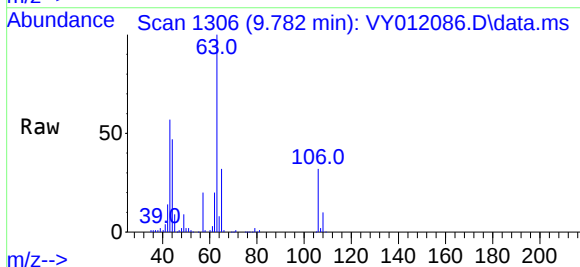
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

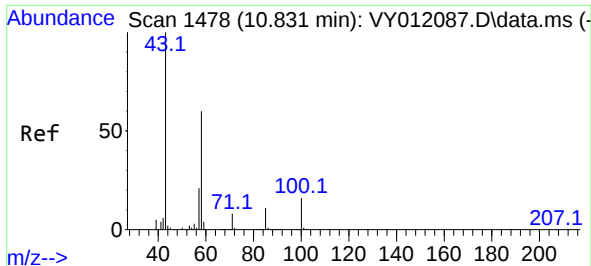
Tgt Ion: 76 Resp: 53830  
Ion Ratio Lower Upper  
76 100  
78 32.9 25.8 38.8



#58  
2-Chloroethyl Vinyl ether  
Concen: 105.194 ug/l  
RT: 9.782 min Scan# 1306  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 63 Resp: 78869  
Ion Ratio Lower Upper  
63 100  
106 33.0 23.2 34.8

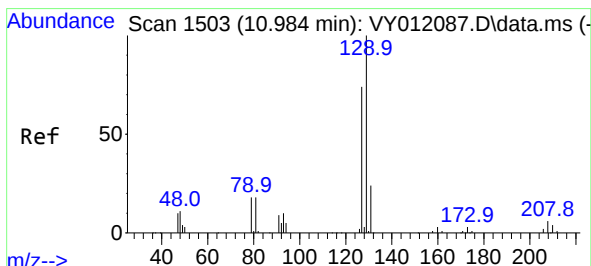
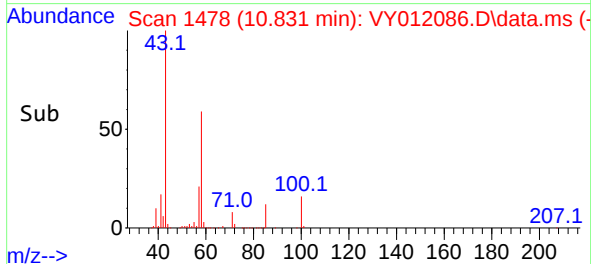
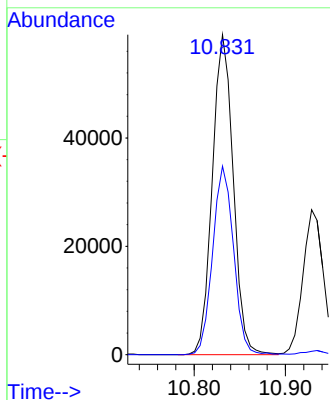
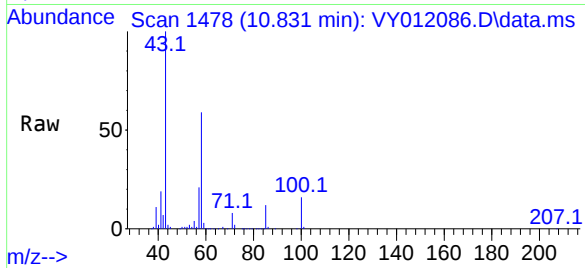




#59  
2-Hexanone  
Concen: 104.235 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

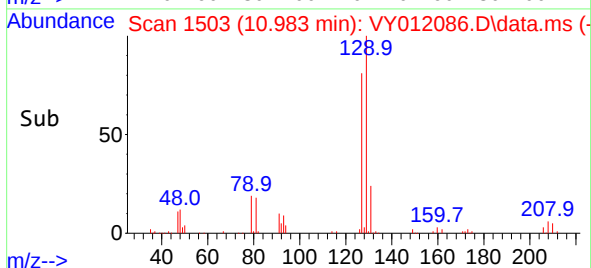
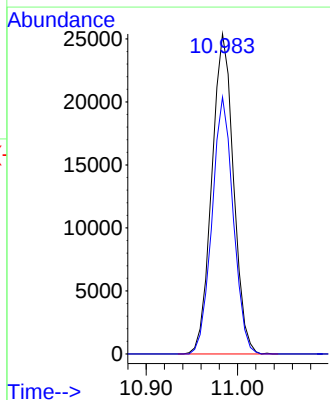
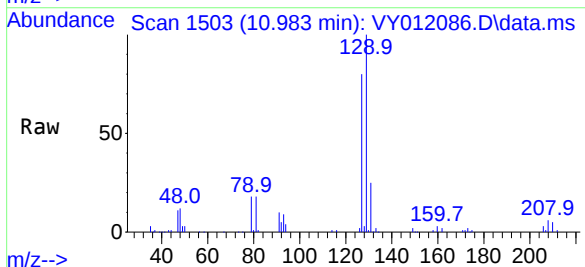
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

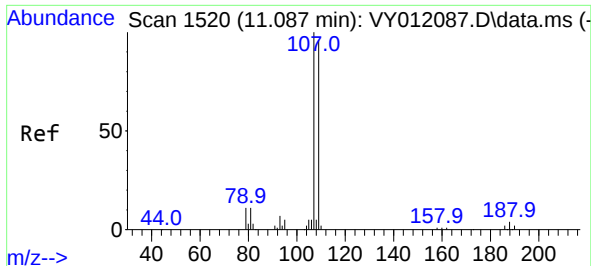
Tgt Ion: 43 Resp: 93882  
Ion Ratio Lower Upper  
43 100  
58 59.0 28.4 85.2



#60  
Dibromochloromethane  
Concen: 20.329 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 129 Resp: 41860  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.9 116.6

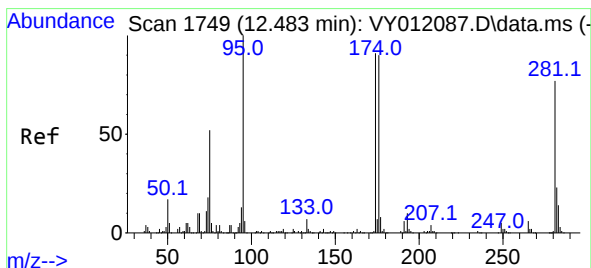
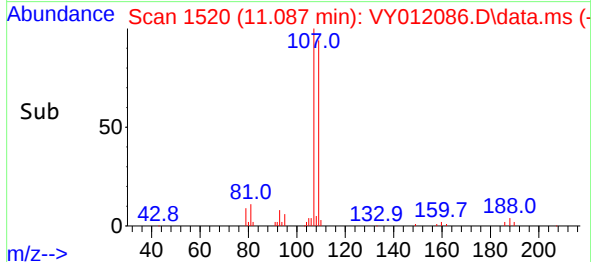
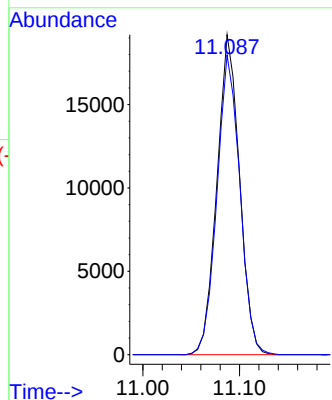
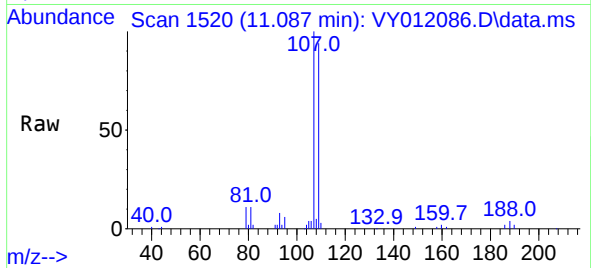




#61  
1,2-Dibromoethane  
Concen: 20.934 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

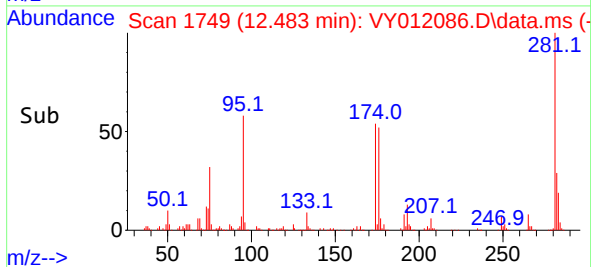
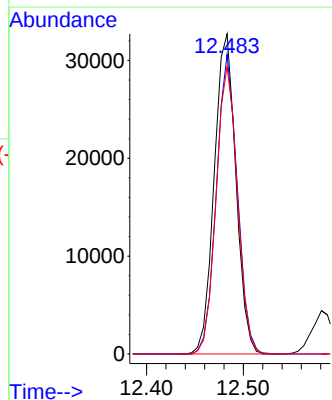
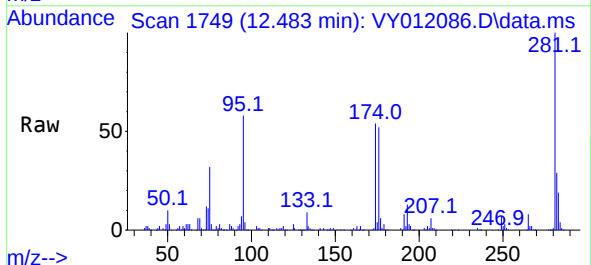
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

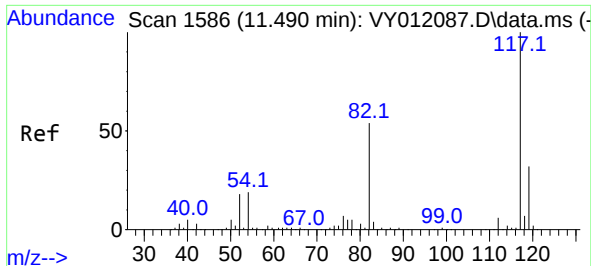
Tgt Ion:107 Resp: 31061  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.8 113.6



#62  
4-Bromofluorobenzene  
Concen: 21.551 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 95 Resp: 50886  
Ion Ratio Lower Upper  
95 100  
174 90.0 0.0 172.0  
176 88.2 0.0 167.6

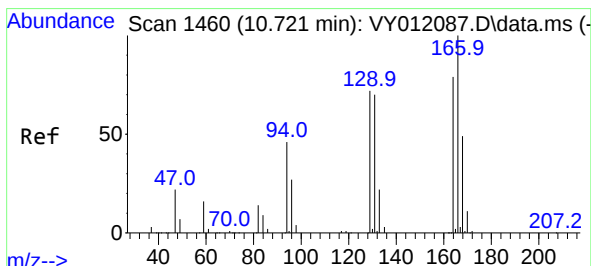
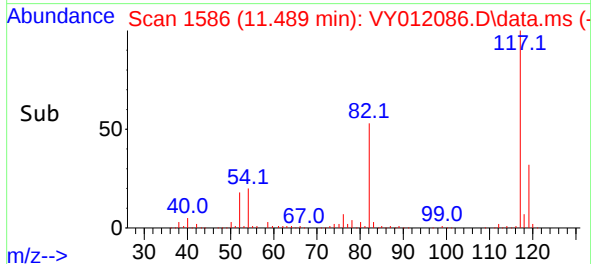
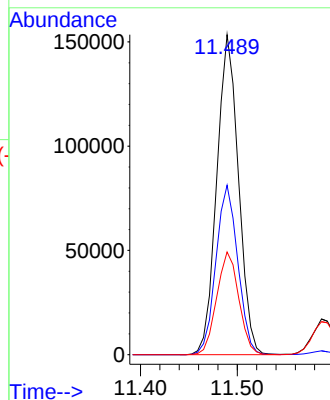
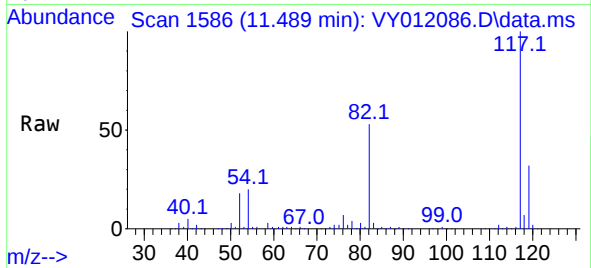




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

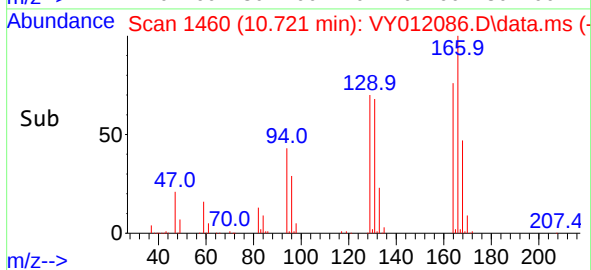
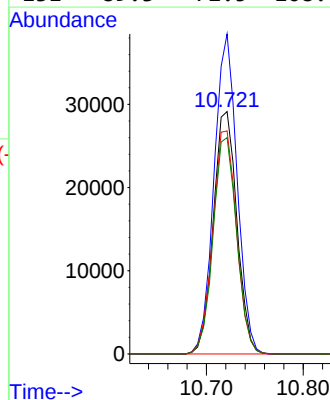
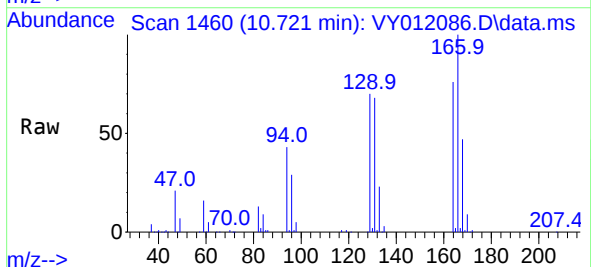
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

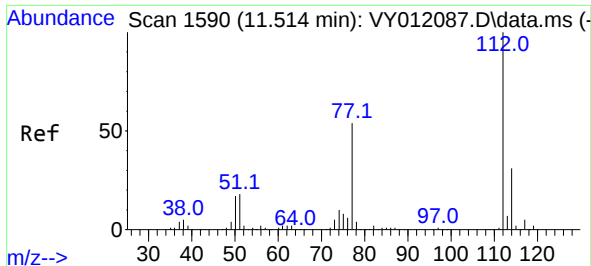
Tgt Ion:117 Resp: 239211  
Ion Ratio Lower Upper  
117 100  
82 52.9 44.8 67.2  
119 32.1 25.4 38.2



#64  
Tetrachloroethene  
Concen: 21.205 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:164 Resp: 49376  
Ion Ratio Lower Upper  
164 100  
166 132.0 102.3 153.5  
129 92.0 77.2 115.8  
131 89.3 72.5 108.7

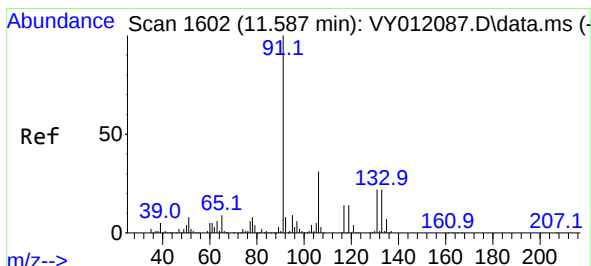
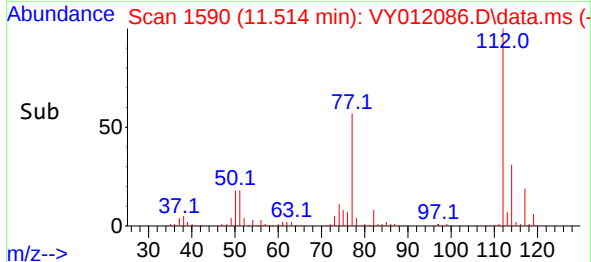
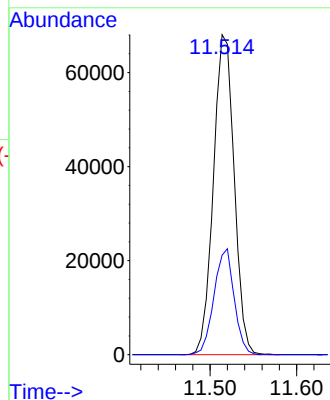
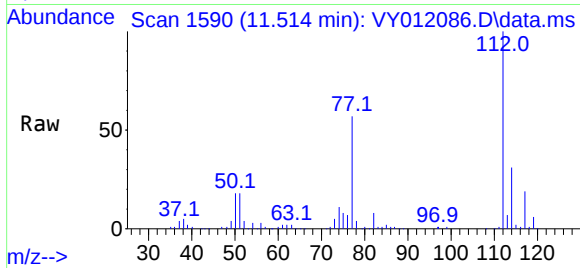




#65  
Chlorobenzene  
Concen: 20.821 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

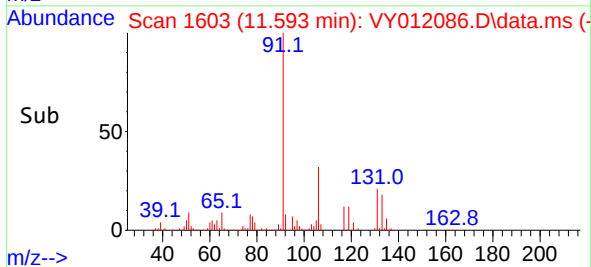
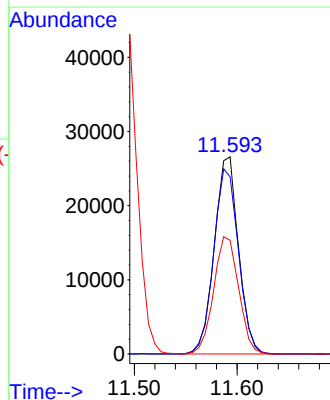
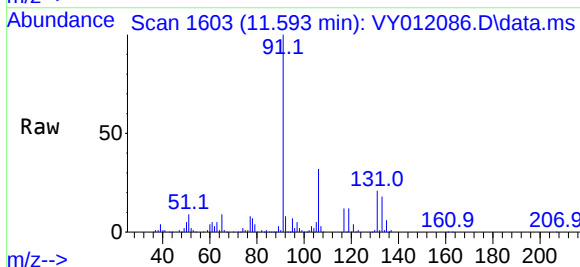
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

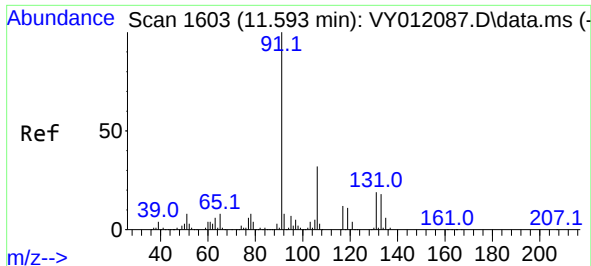
Tgt Ion:112 Resp: 113485  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.389 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:131 Resp: 43398  
Ion Ratio Lower Upper  
131 100  
133 96.2 47.3 142.0  
119 61.5 32.1 96.3

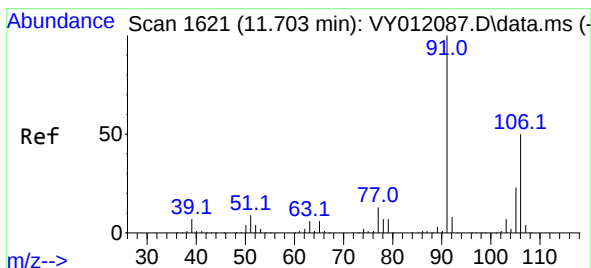
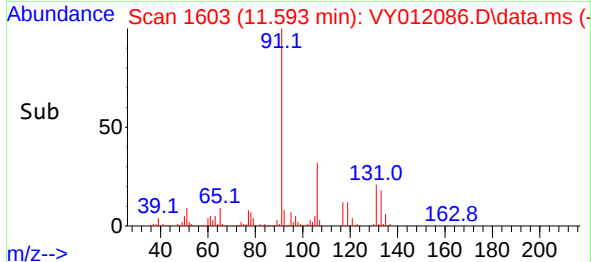
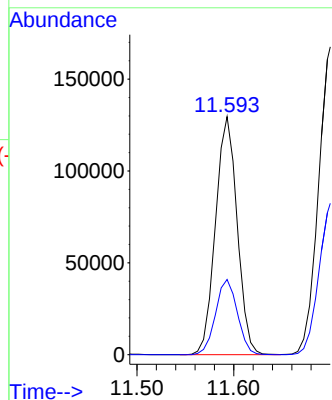
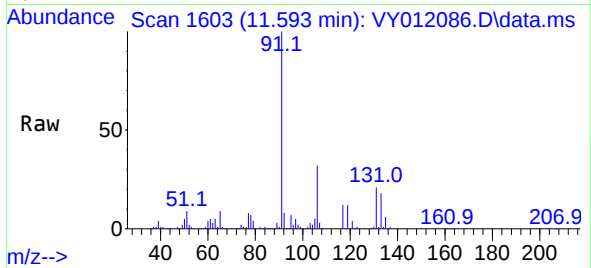




#67  
Ethyl Benzene  
Concen: 20.676 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

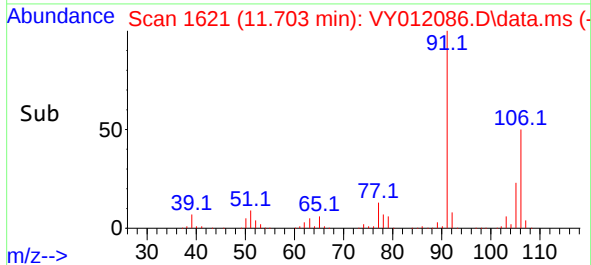
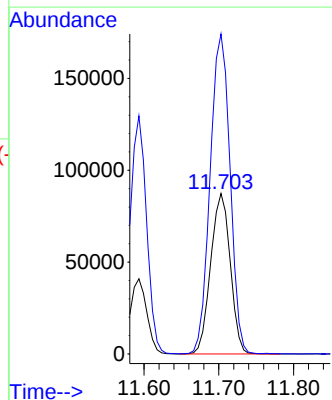
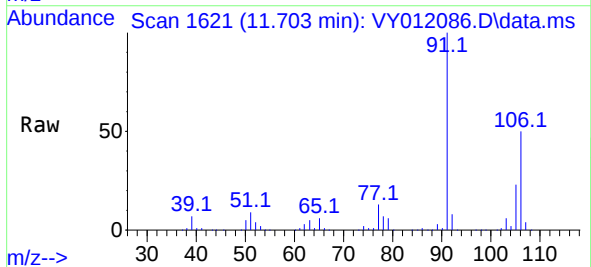
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

Tgt Ion: 91 Resp: 201184  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.0 37.4



#68  
m/p-Xylenes  
Concen: 41.445 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:106 Resp: 158549  
Ion Ratio Lower Upper  
106 100  
91 203.0 162.5 243.7

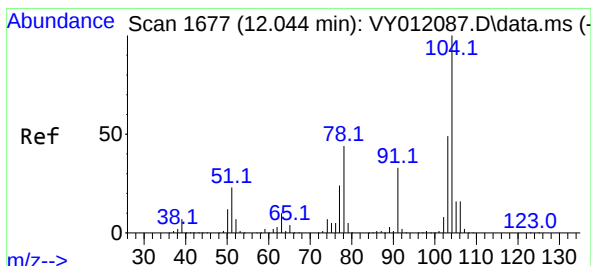
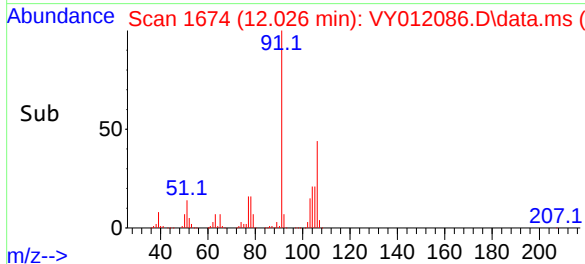
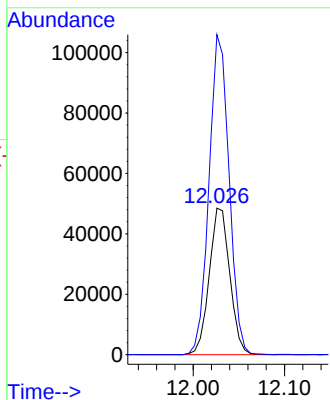
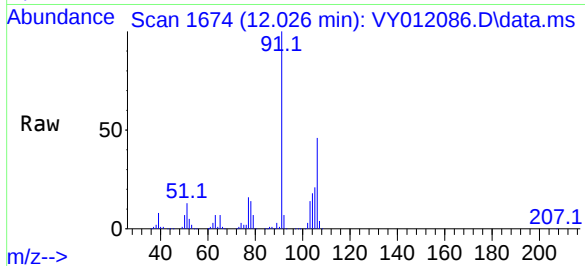




#69  
o-Xylene  
Concen: 20.810 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

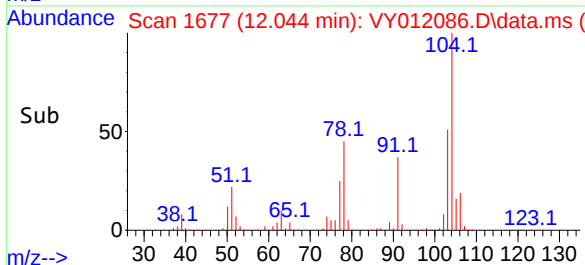
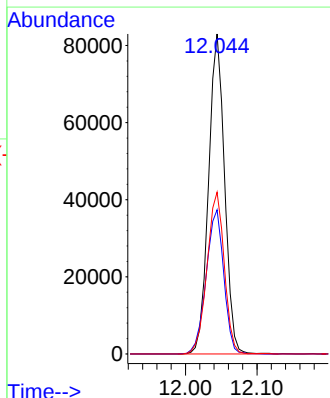
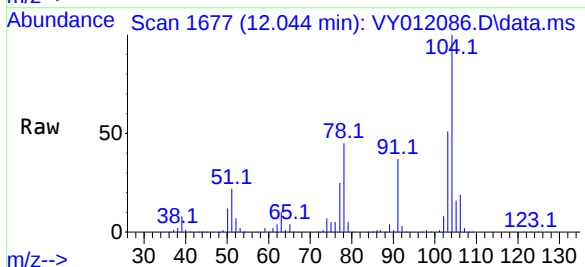
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

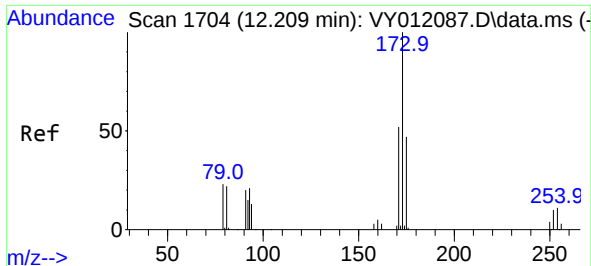
Tgt Ion:106 Resp: 75828  
Ion Ratio Lower Upper  
106 100  
91 213.2 107.5 322.4



#70  
Styrene  
Concen: 20.856 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:104 Resp: 128950  
Ion Ratio Lower Upper  
104 100  
78 49.6 39.4 59.0  
103 54.6 43.0 64.4

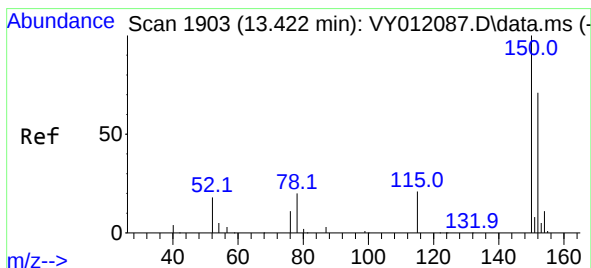
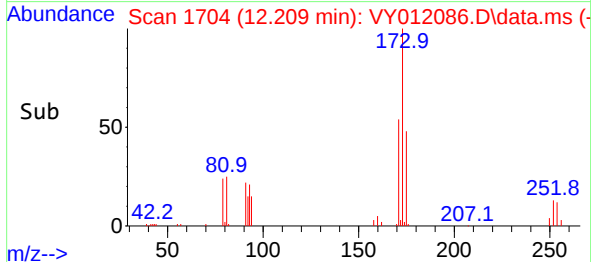
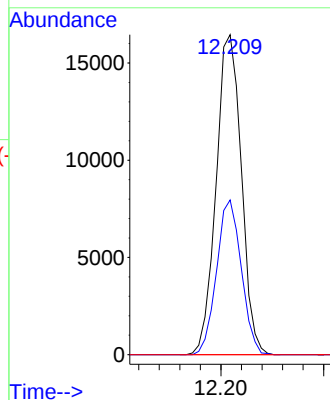
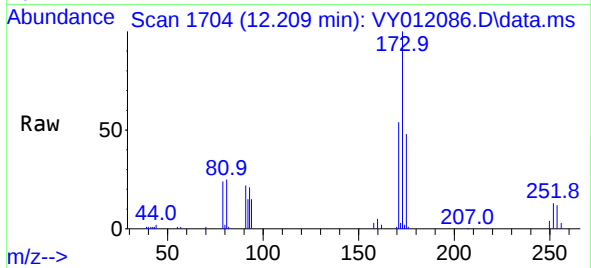




#71  
Bromoform  
Concen: 20.508 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

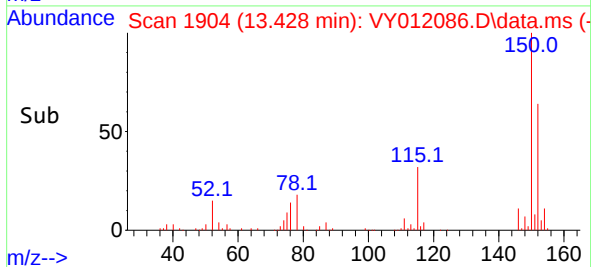
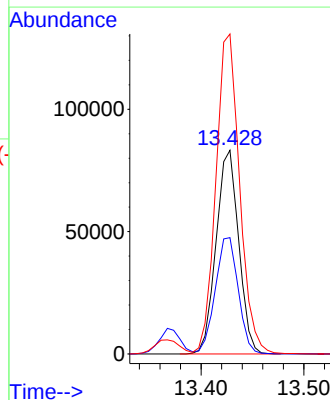
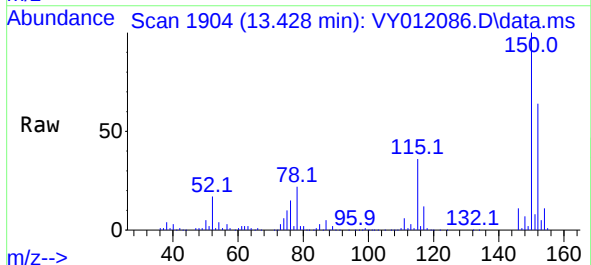
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

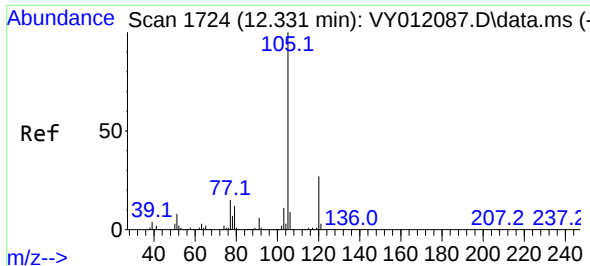
Tgt Ion:173 Resp: 28003  
Ion Ratio Lower Upper  
173 100  
175 47.3 23.8 71.5  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:152 Resp: 126924  
Ion Ratio Lower Upper  
152 100  
115 58.4 29.1 87.3  
150 165.3 0.0 342.6

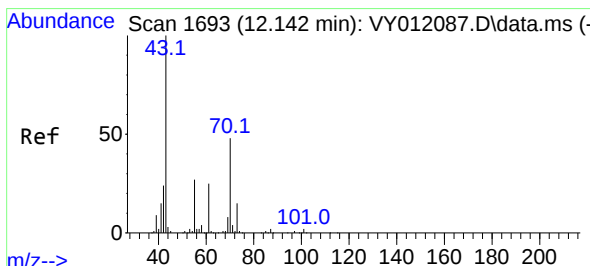
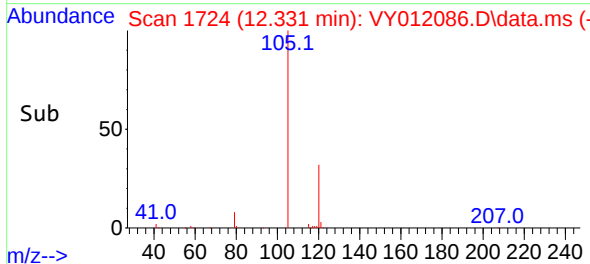
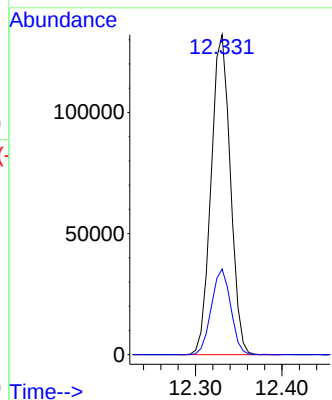
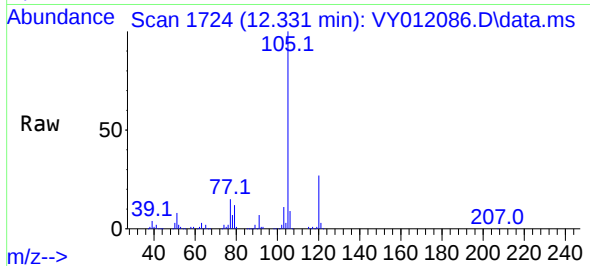




#73  
Isopropylbenzene  
Concen: 20.462 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

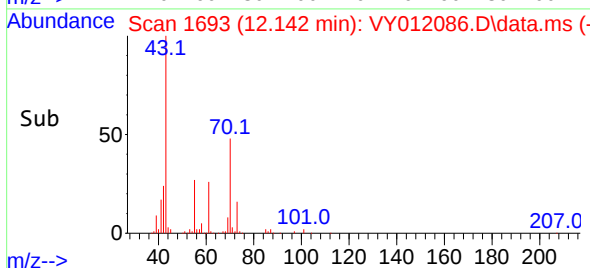
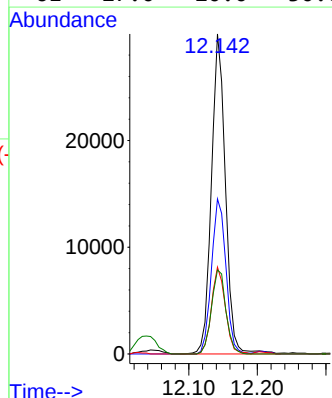
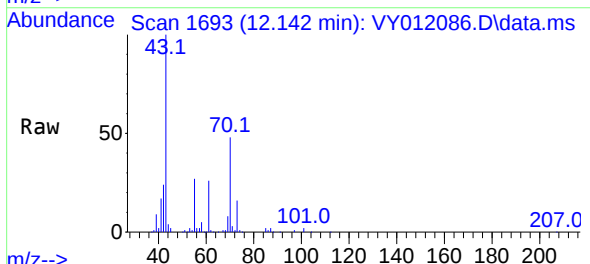
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

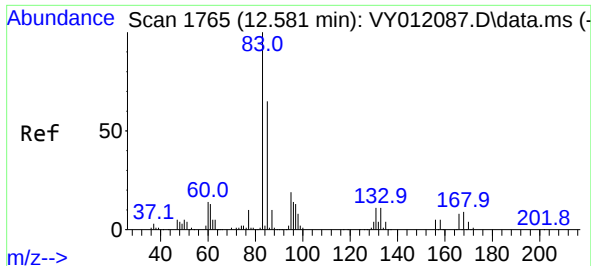
Tgt Ion:105 Resp: 203909  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.2 39.6



#74  
N-ethyl acetate  
Concen: 20.269 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 43 Resp: 42708  
Ion Ratio Lower Upper  
43 100  
70 49.7 35.8 53.8  
55 26.8 21.0 31.4  
61 27.0 20.0 30.0

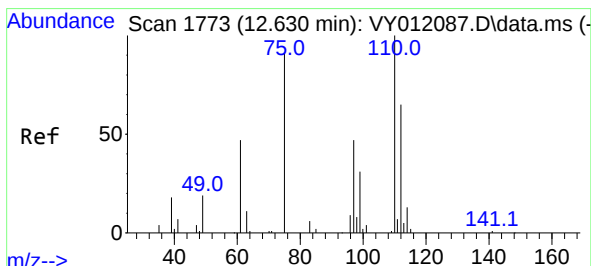
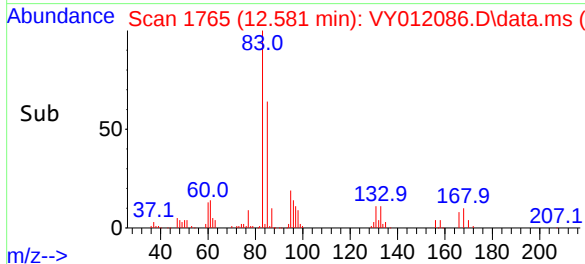
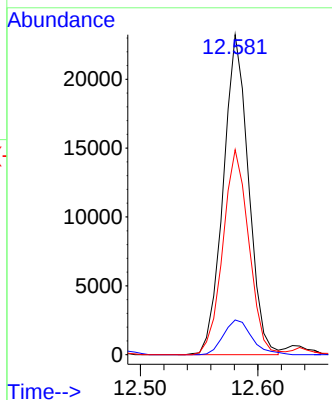
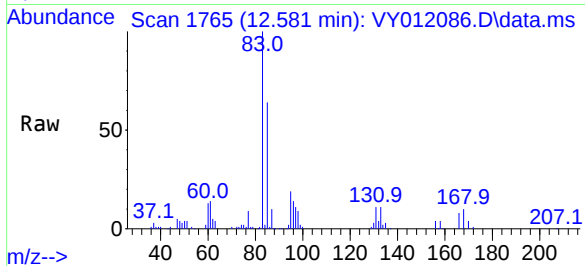




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.391 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

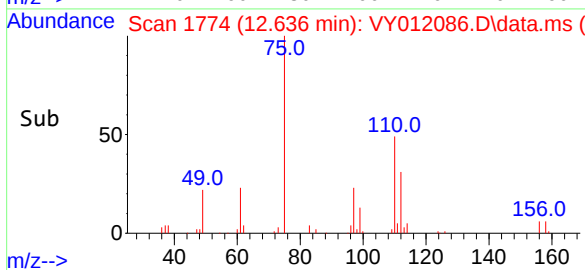
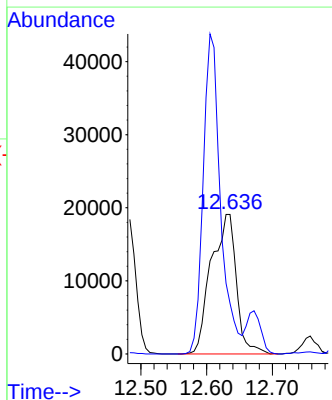
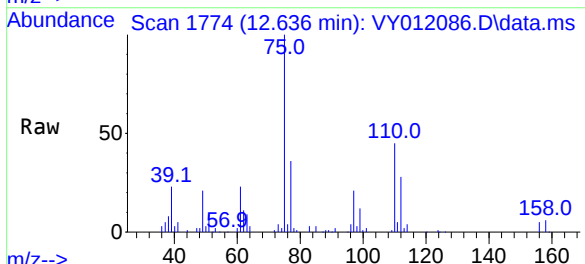
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

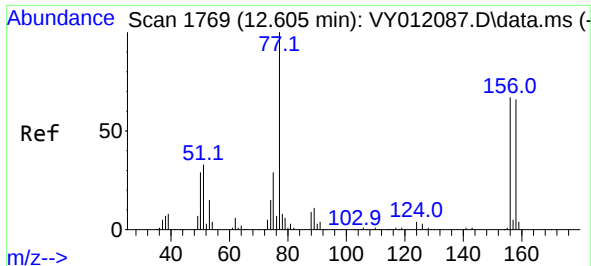
Tgt Ion: 83 Resp: 34693  
Ion Ratio Lower Upper  
83 100  
131 12.1 5.6 16.8  
85 66.0 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 30.832 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 75 Resp: 50945  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

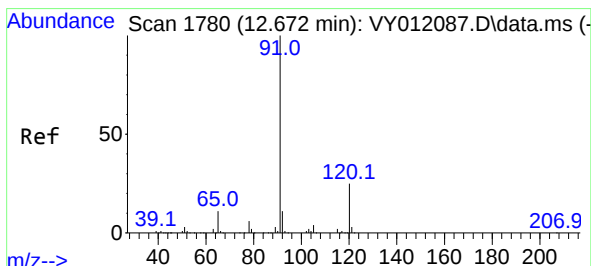
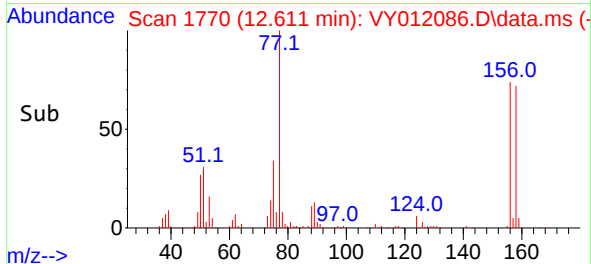
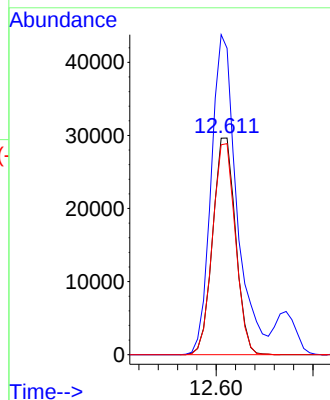
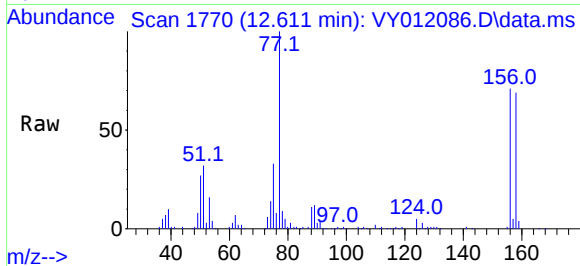




#77  
Bromobenzene  
Concen: 20.363 ug/l  
RT: 12.611 min Scan# 1769  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

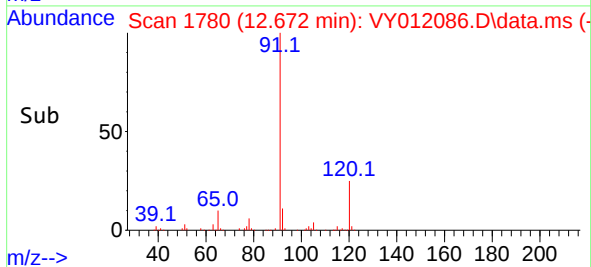
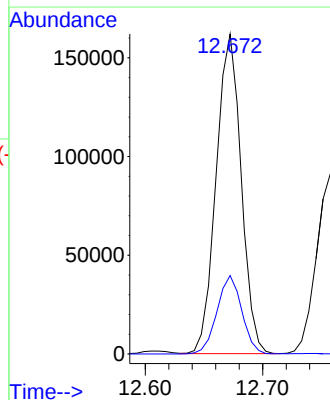
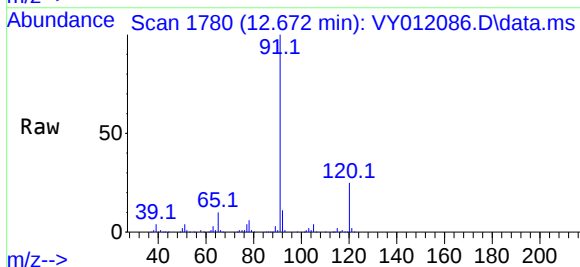
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

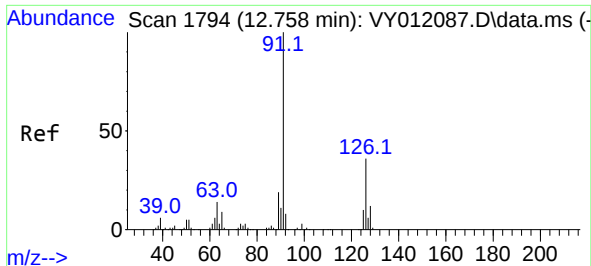
Tgt Ion:156 Resp: 48674  
Ion Ratio Lower Upper  
156 100  
77 165.7 90.0 270.0  
158 97.6 48.4 145.2



#78  
n-propylbenzene  
Concen: 20.544 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 91 Resp: 239497  
Ion Ratio Lower Upper  
91 100  
120 24.3 11.8 35.4

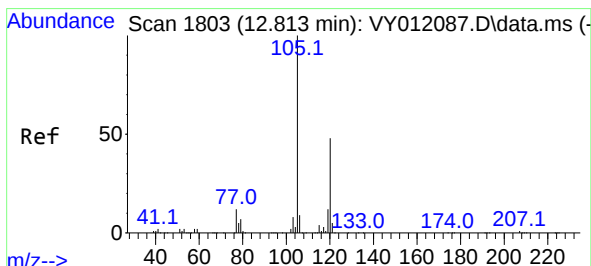
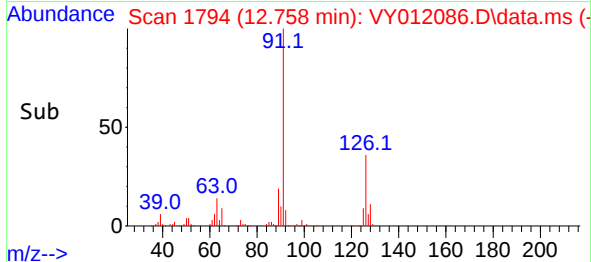
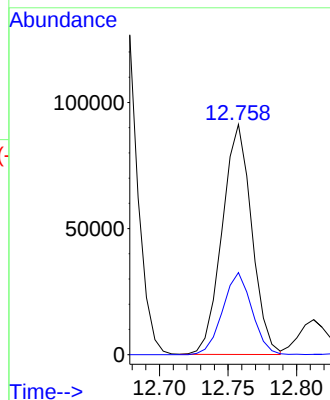
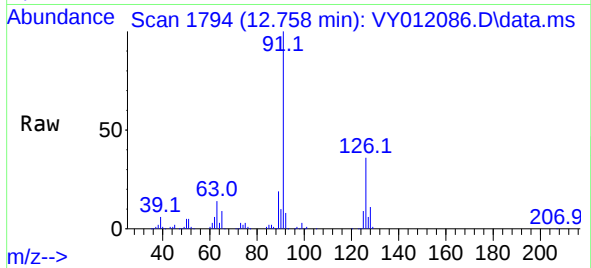




#79  
2-Chlorotoluene  
Concen: 20.681 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

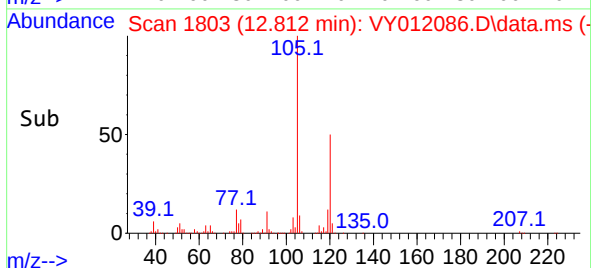
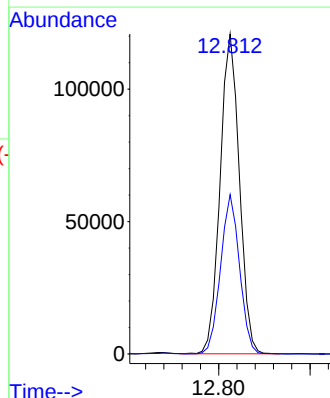
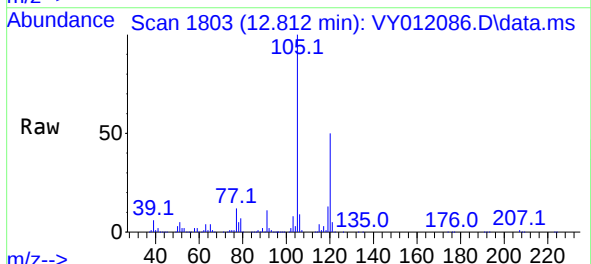
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

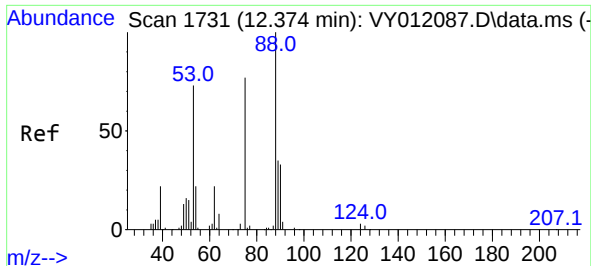
Tgt Ion: 91 Resp: 137013  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.2 51.5



#80  
1,3,5-Trimethylbenzene  
Concen: 20.621 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 105 Resp: 176634  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.2 72.6

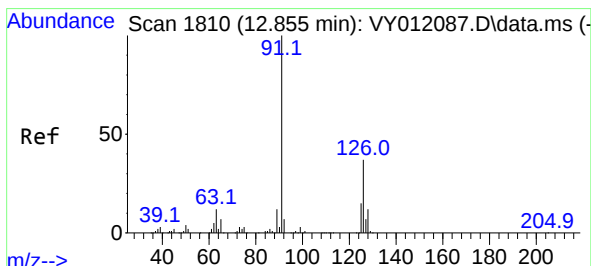
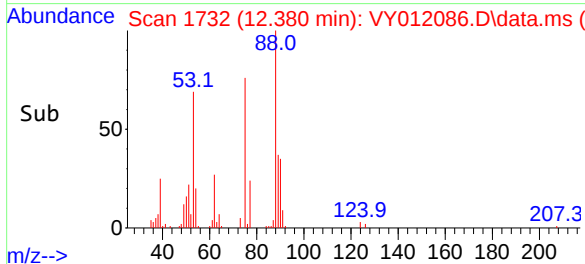
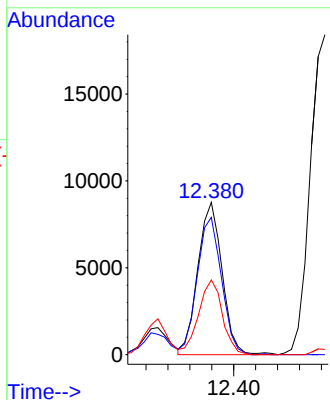
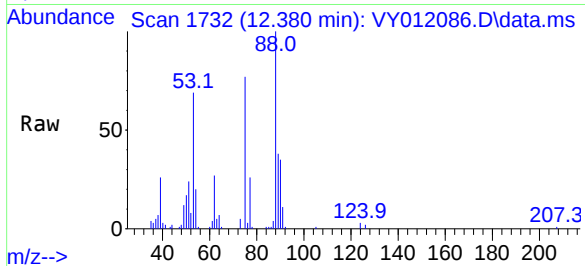




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.527 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.006 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

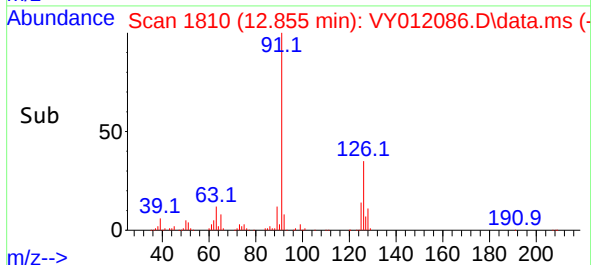
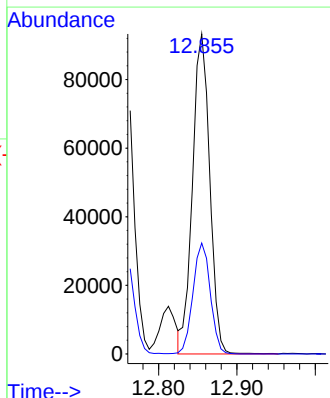
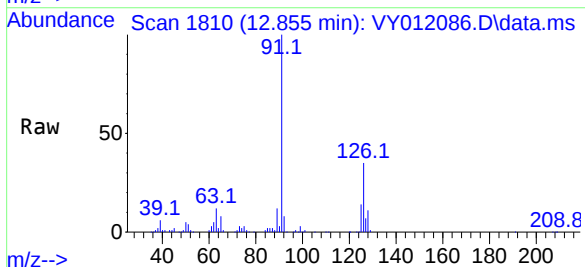
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

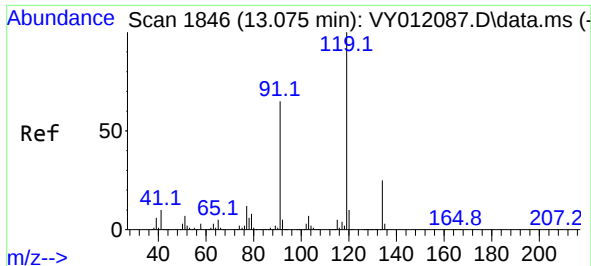
Tgt Ion: 75 Resp: 13460  
Ion Ratio Lower Upper  
75 100  
53 90.5 72.5 108.7  
89 48.3 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 20.518 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 91 Resp: 143101  
Ion Ratio Lower Upper  
91 100  
126 34.8 17.1 51.2

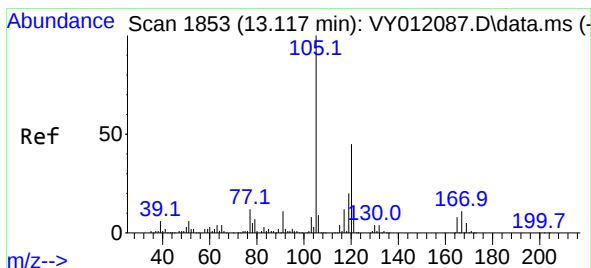
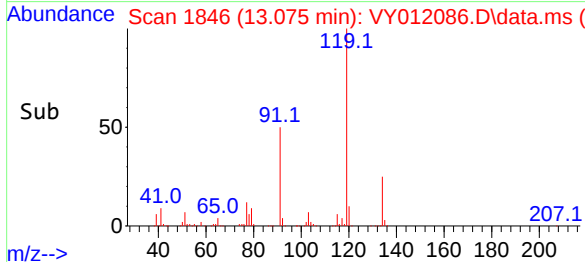
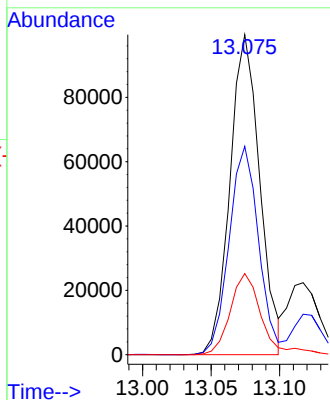
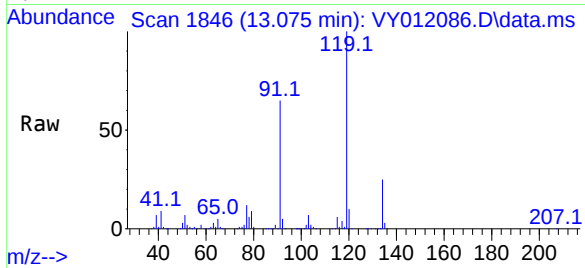




#83  
tert-Butylbenzene  
Concen: 20.248 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

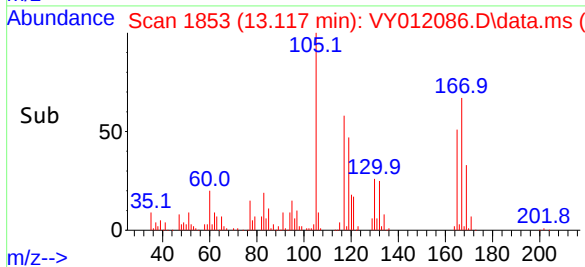
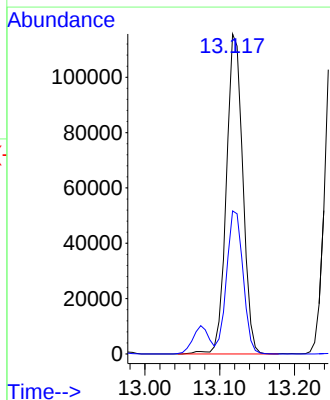
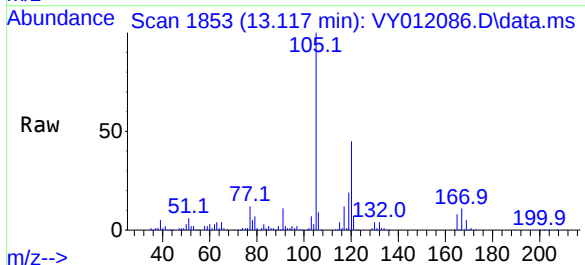
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

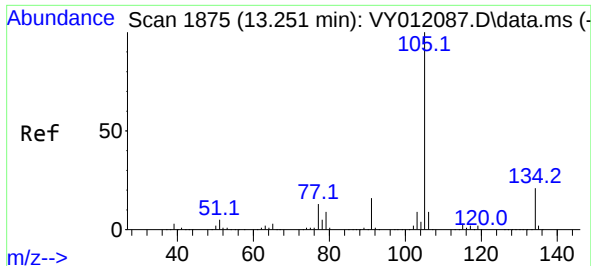
Tgt Ion:119 Resp: 150922  
Ion Ratio Lower Upper  
119 100  
91 64.0 32.3 96.8  
134 26.5 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 20.756 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:105 Resp: 176268  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.9 68.7

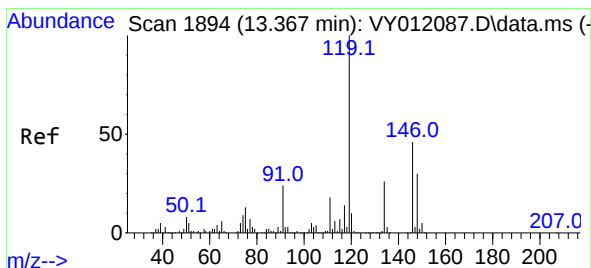
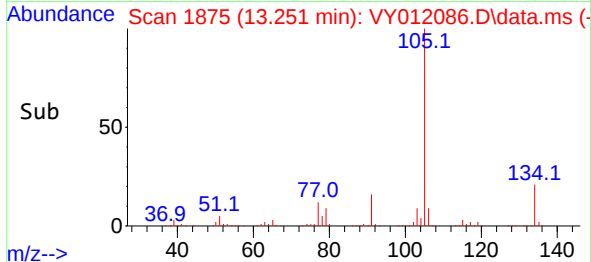
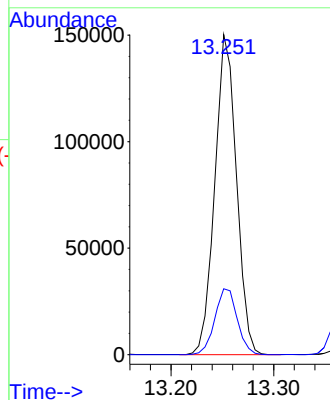
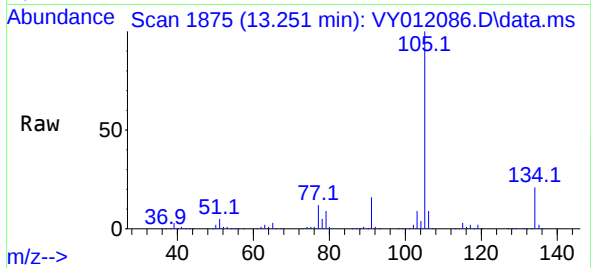




#85  
sec-Butylbenzene  
Concen: 20.329 ug/l  
RT: 13.251 min Scan# 1875  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

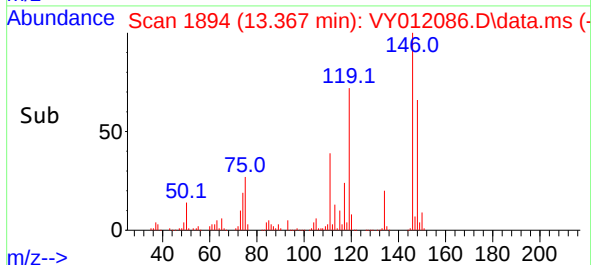
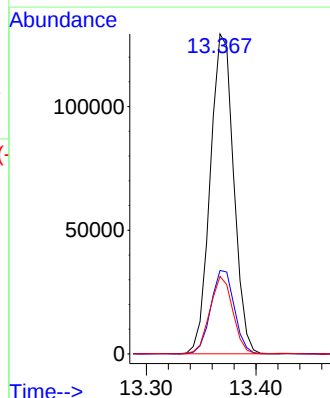
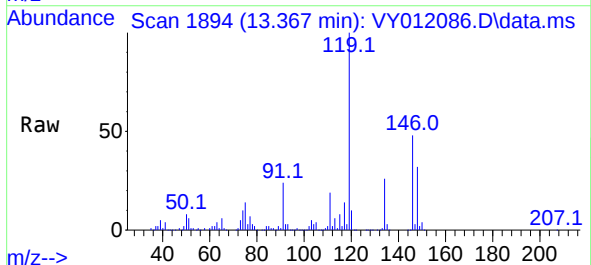
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

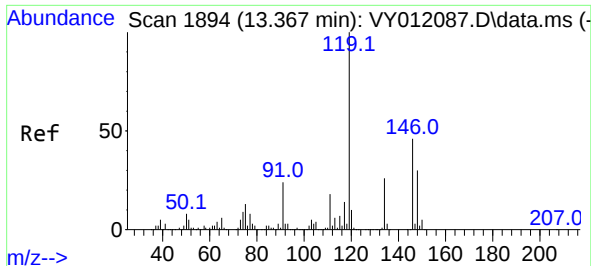
Tgt Ion:105 Resp: 219131  
Ion Ratio Lower Upper  
105 100  
134 21.3 10.1 30.3



#86  
p-Isopropyltoluene  
Concen: 20.556 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:119 Resp: 191689  
Ion Ratio Lower Upper  
119 100  
134 26.3 13.0 39.0  
91 23.6 11.9 35.9

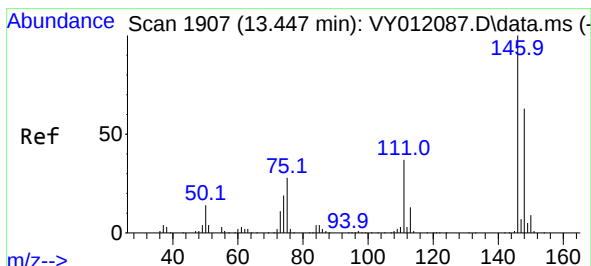
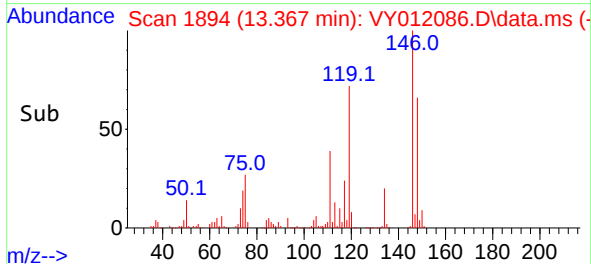
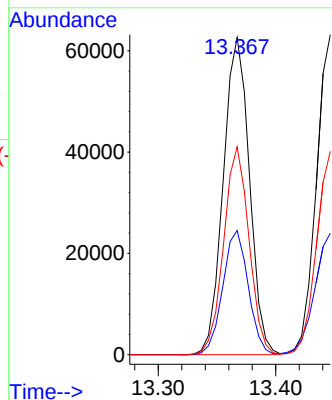
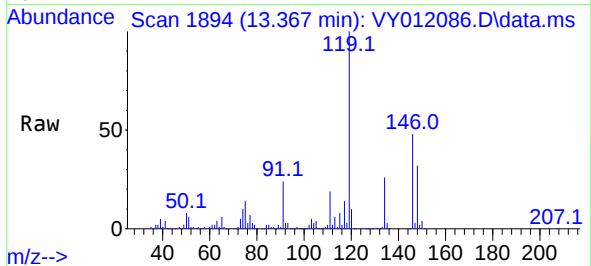




#87  
1,3-Dichlorobenzene  
Concen: 20.384 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

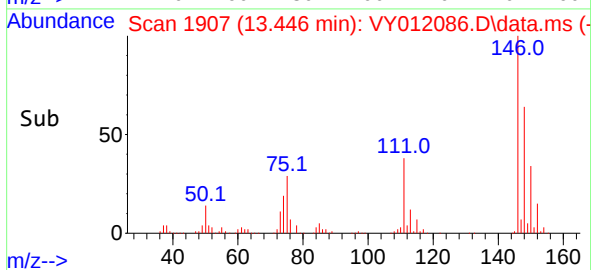
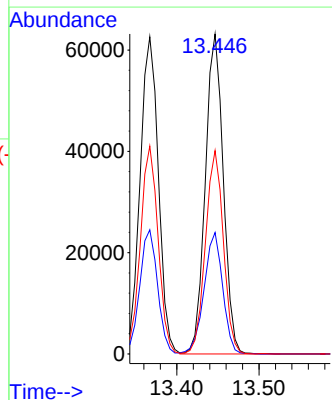
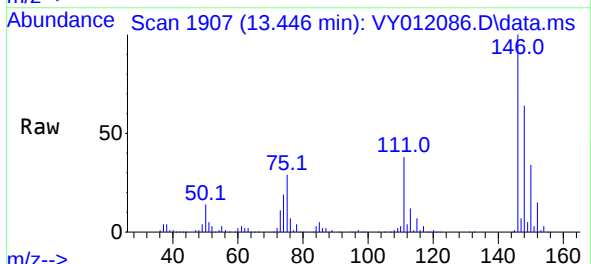
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

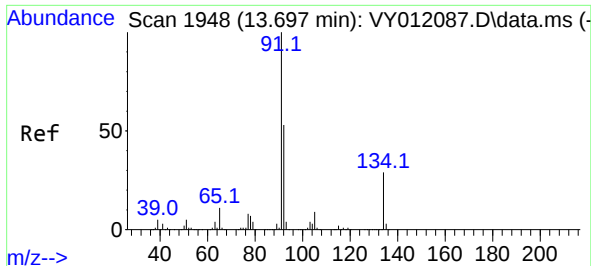
Tgt Ion:146 Resp: 96908  
Ion Ratio Lower Upper  
146 100  
111 38.3 19.7 59.0  
148 63.5 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 20.159 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:146 Resp: 95970  
Ion Ratio Lower Upper  
146 100  
111 39.3 19.6 58.7  
148 63.5 31.9 95.7

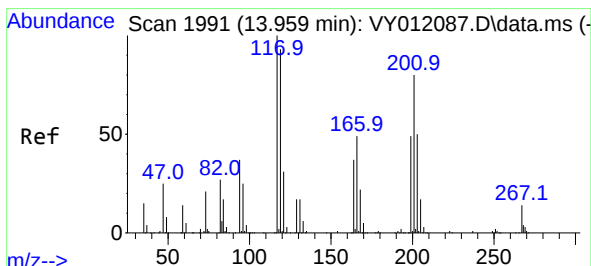
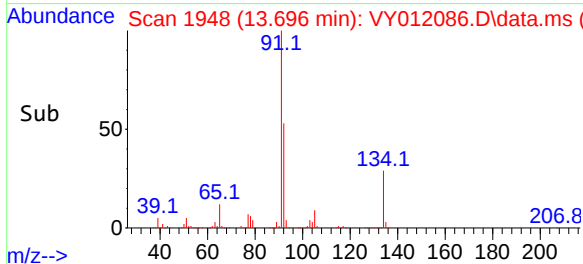
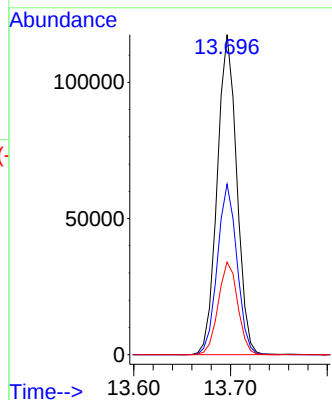
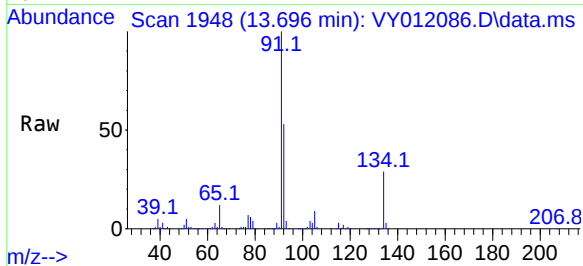




#89  
n-Butylbenzene  
Concen: 20.355 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

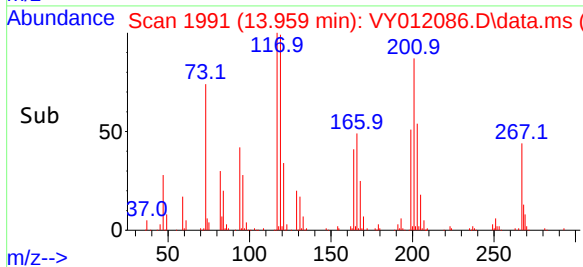
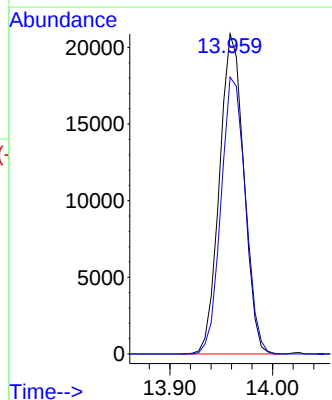
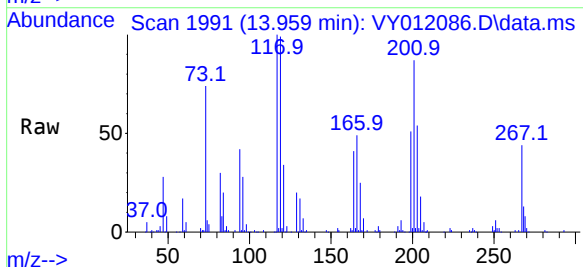
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

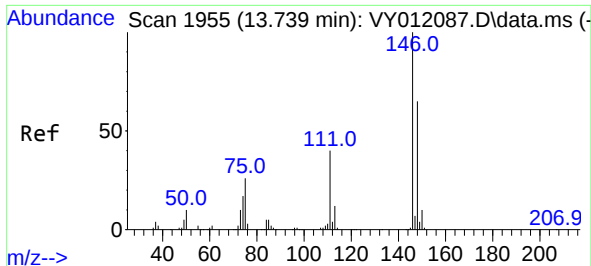
Tgt Ion: 91 Resp: 165096  
Ion Ratio Lower Upper  
91 100  
92 53.3 26.8 80.4  
134 28.8 13.3 39.8



#90  
Hexachloroethane  
Concen: 19.966 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion: 117 Resp: 34292  
Ion Ratio Lower Upper  
117 100  
201 87.0 40.3 120.8





#91

1,2-Dichlorobenzene

Concen: 20.266 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

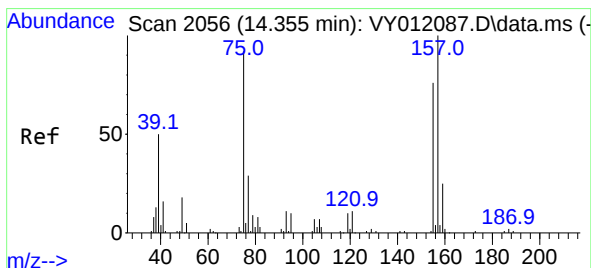
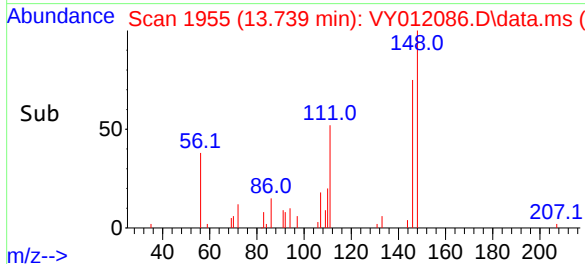
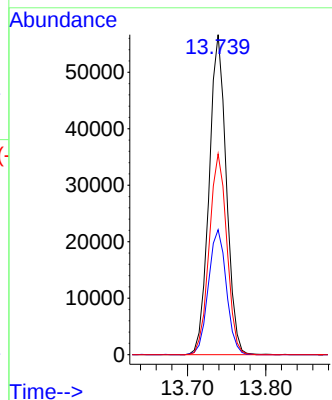
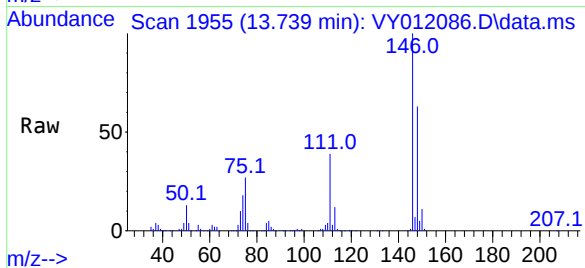
Tgt Ion:146 Resp: 86420

Ion Ratio Lower Upper

146 100

111 40.7 20.3 60.8

148 64.1 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.442 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY012086.D

Acq: 06 Jan 2023 12:30

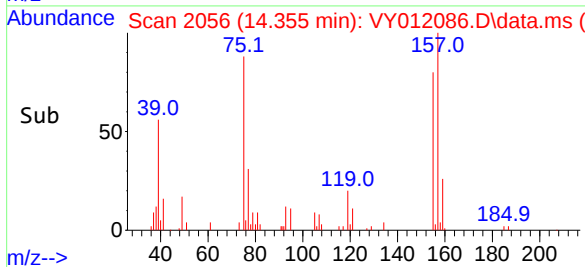
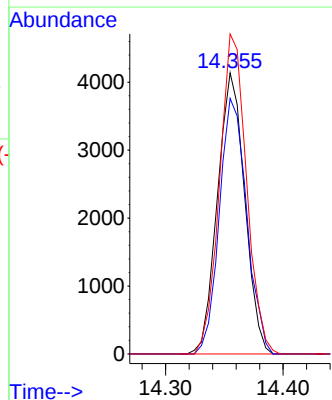
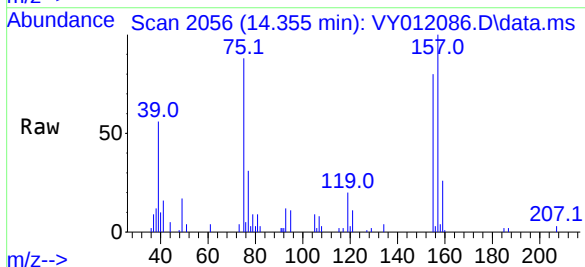
Tgt Ion: 75 Resp: 6650

Ion Ratio Lower Upper

75 100

155 91.4 42.3 126.8

157 112.9 54.4 163.3

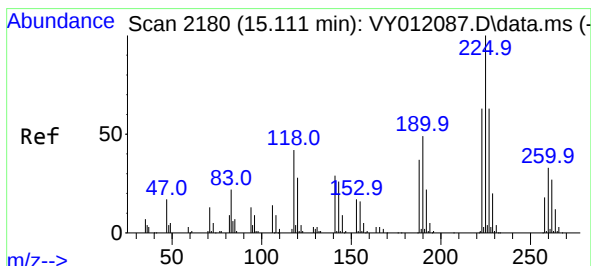
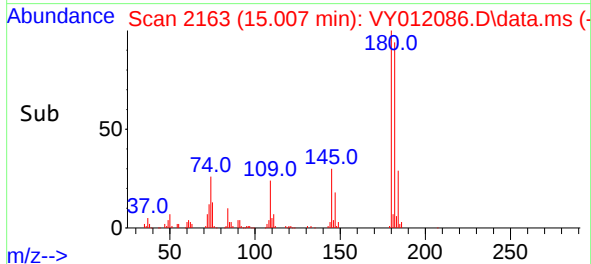
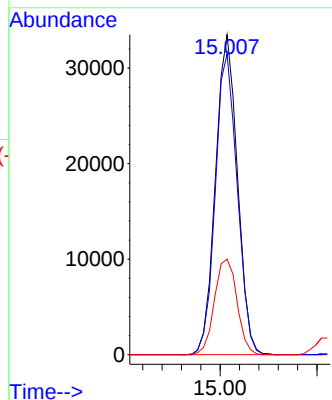
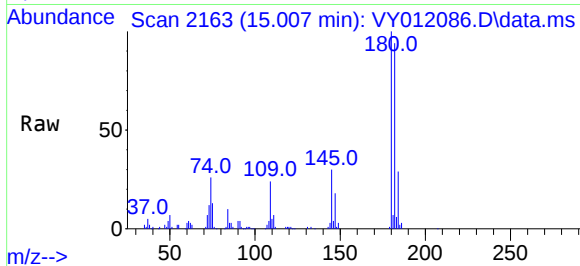




#93  
1,2,4-Trichlorobenzene  
Concen: 19.914 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

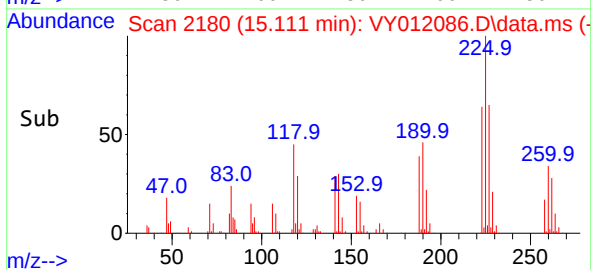
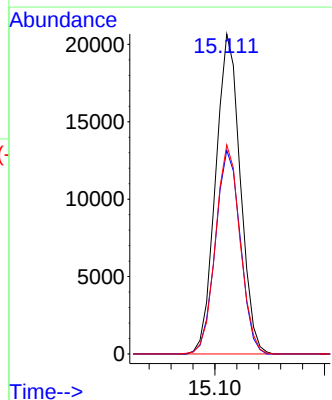
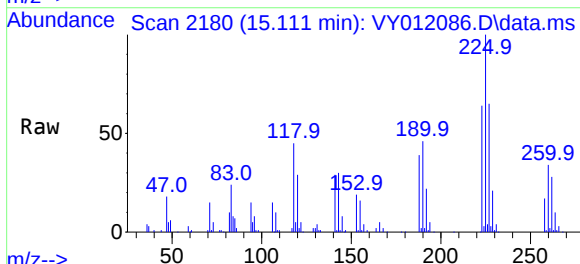
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

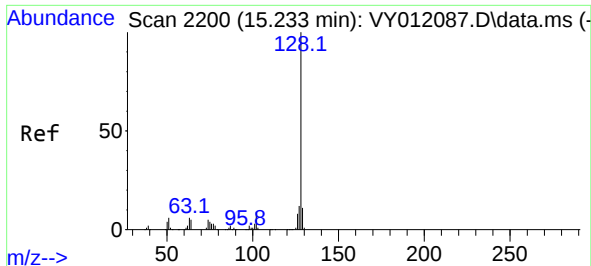
Tgt Ion:180 Resp: 52770  
Ion Ratio Lower Upper  
180 100  
182 93.8 48.1 144.3  
145 30.7 15.4 46.4



#94  
Hexachlorobutadiene  
Concen: 20.042 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Tgt Ion:225 Resp: 32265  
Ion Ratio Lower Upper  
225 100  
223 64.1 31.4 94.2  
227 65.0 32.6 97.8

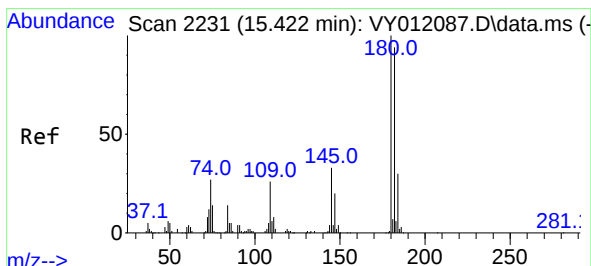
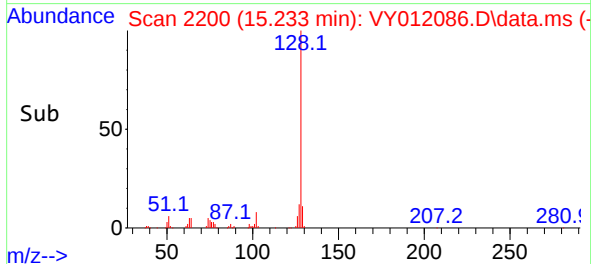
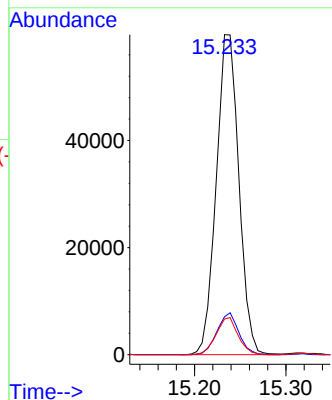
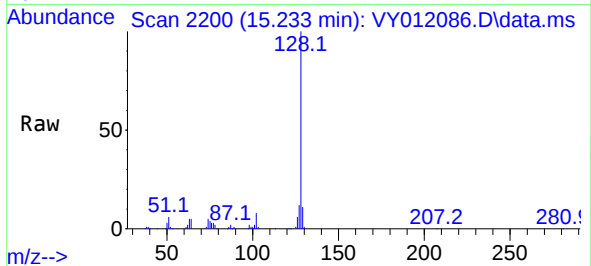




#95  
Naphthalene  
Concen: 19.541 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 102895 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.6  | 10.2  | 15.2   |
| 129      | 11.3  | 8.8   | 13.2   |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.757 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: VY012086.D  
Acq: 06 Jan 2023 12:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 45471 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.5  | 47.9  | 143.7 |
| 145      | 32.7  | 16.1  | 48.2  |

