

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041423\  
 Data File : VD075692.D  
 Acq On : 14 Apr 2023 21:36  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Apr 17 09:18:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 187830   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 336266   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 324017   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 169964   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 95468    | 53.547   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 107.100% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 115308   | 50.982   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 101.960% |      |
| 50) Toluene-d8              | 10.269 | 98    | 454532   | 50.184   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 100.360% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 132376   | 54.987   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 109.980% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 76409  | 43.781  | ug/l   | 97  |
| 3) Chloromethane             | 2.146 | 50  | 148801 | 47.218  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.275 | 62  | 182400 | 43.618  | ug/l   | 100 |
| 5) Bromomethane              | 2.681 | 94  | 122000 | 37.365  | ug/l   | 98  |
| 6) Chloroethane              | 2.828 | 64  | 120791 | 42.902  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.164 | 101 | 138080 | 42.615  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.593 | 74  | 47120  | 46.725  | ug/l   | 68  |
| 9) 1,1,2-Trichlorotrifluo... | 3.952 | 101 | 88310  | 43.463  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.152 | 142 | 122955 | 44.216  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 5.064 | 59  | 22667  | 253.328 | ug/l # | 100 |
| 12) 1,1-Dichloroethene       | 3.934 | 96  | 91948  | 43.705  | ug/l   | 84  |
| 13) Acrolein                 | 3.799 | 56  | 43252  | 239.645 | ug/l   | 97  |
| 14) Allyl chloride           | 4.558 | 41  | 83990  | 43.836  | ug/l # | 79  |
| 15) Acrylonitrile            | 5.252 | 53  | 92539  | 245.682 | ug/l   | 99  |
| 16) Acetone                  | 4.022 | 43  | 64719  | 198.147 | ug/l # | 79  |
| 17) Carbon Disulfide         | 4.264 | 76  | 289657 | 42.073  | ug/l   | 97  |
| 18) Methyl Acetate           | 4.564 | 43  | 54694  | 49.657  | ug/l # | 71  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 197479 | 48.367  | ug/l   | 93  |
| 20) Methylene Chloride       | 4.799 | 84  | 122272 | 48.233  | ug/l # | 73  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 110777 | 44.212  | ug/l # | 76  |
| 22) Diisopropyl ether        | 6.211 | 45  | 211715 | 48.901  | ug/l # | 90  |
| 23) Vinyl Acetate            | 6.152 | 43  | 506254 | 251.747 | ug/l # | 83  |
| 24) 1,1-Dichloroethane       | 6.105 | 63  | 161431 | 44.998  | ug/l   | 96  |
| 25) 2-Butanone               | 7.081 | 43  | 95593  | 227.309 | ug/l # | 74  |
| 26) 2,2-Dichloropropane      | 7.069 | 77  | 125670 | 38.639  | ug/l   | 92  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 123574 | 44.522  | ug/l   | 80  |
| 28) Bromochloromethane       | 7.428 | 49  | 61170  | 53.940  | ug/l # | 47  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 60162  | 261.600 | ug/l # | 54  |
| 30) Chloroform               | 7.593 | 83  | 182869 | 44.964  | ug/l   | 96  |
| 31) Cyclohexane              | 7.869 | 56  | 114638 | 40.975  | ug/l # | 77  |
| 32) 1,1,1-Trichloroethane    | 7.787 | 97  | 144415 | 43.548  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 129890 | 41.628  | ug/l   | 94  |
| 37) Ethyl Acetate            | 7.169 | 43  | 46555  | 49.028  | ug/l # | 79  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 113535 | 41.320  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.275 | 83  | 157913 | 43.767  | ug/l # | 86  |
| 40) Benzene                  | 8.246 | 78  | 420035 | 43.303  | ug/l   | 99  |

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 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Apr 17 09:18:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 21067    | 46.232   | ug/l # | 59       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 100745   | 45.726   | ug/l   | 90       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 83838    | 48.418   | ug/l # | 82       |
| 44) Trichloroethene           | 9.022  | 130  | 112779   | 41.082   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 95271    | 43.829   | ug/l   | 95       |
| 46) Dibromomethane            | 9.393  | 93   | 62217    | 45.118   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.581  | 83   | 140235   | 44.457   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 36004    | 46.671   | ug/l # | 55       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 14132    | 1032.927 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 223933   | 242.558  | ug/l # | 78       |
| 52) Toluene                   | 10.334 | 92   | 275542   | 42.720   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 129556   | 42.846   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 155626   | 43.317   | ug/l # | 75       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 87807    | 43.977   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 92109    | 46.876   | ug/l # | 65       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 136059   | 44.886   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 252709   | 299.462  | ug/l # | 87       |
| 59) 2-Hexanone                | 10.922 | 43   | 151605   | 233.551  | ug/l   | 73       |
| 60) Dibromochloromethane      | 11.075 | 129  | 102927   | 44.054   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 84778    | 44.511   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 98615    | 42.260   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.604 | 112  | 299717   | 43.186   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 103533   | 43.394   | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.681 | 91   | 497103   | 44.135   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 421245   | 91.259   | ug/l   | 88       |
| 69) o-Xylene                  | 12.122 | 106  | 195282   | 46.787   | ug/l   | 90       |
| 70) Styrene                   | 12.134 | 104  | 339571   | 44.351   | ug/l   | 94       |
| 71) Bromoform                 | 12.298 | 173  | 60014    | 48.119   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 472403   | 42.350   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 76982    | 46.965   | ug/l # | 73       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 97662    | 45.071   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 110069   | 79.412   | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 122446   | 42.579   | ug/l   | 89       |
| 78) n-propylbenzene           | 12.763 | 91   | 576982   | 42.198   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 316578   | 40.822   | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 397894   | 42.788   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 27239    | 42.595   | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 335322   | 41.583   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 334342   | 42.641   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 404477   | 43.347   | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 510418   | 42.197   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 432139   | 42.913   | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 247144   | 41.311   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 245593   | 41.553   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.787 | 91   | 388658   | 41.900   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 81353    | 40.661   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 219688   | 42.867   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 12852    | 44.244   | ug/l   | 73       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 121951   | 40.902   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 54939    | 38.552   | ug/l   | 95       |
| 95) Naphthalene               | 15.334 | 128  | 255120   | 45.166   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 107181   | 40.843   | ug/l   | 99       |

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Operator : KP/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 22 Sample Multiplier: 1

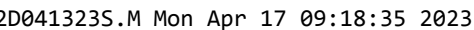
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

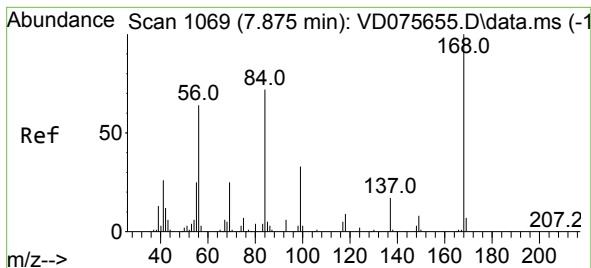
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:16:29 2023  
Response via : Initial Calibration

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

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

Quant Time: Apr 17 09:18:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:16:29 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

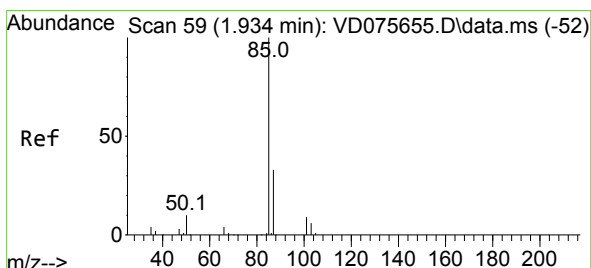
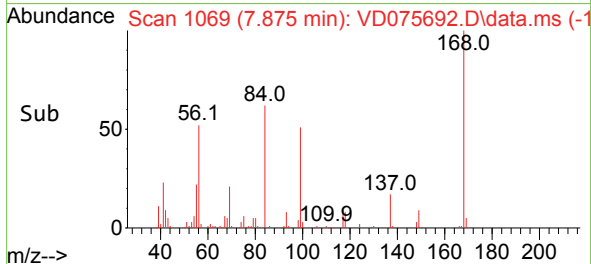
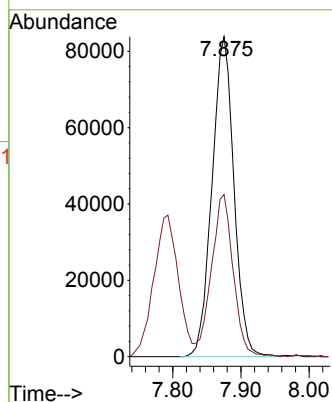
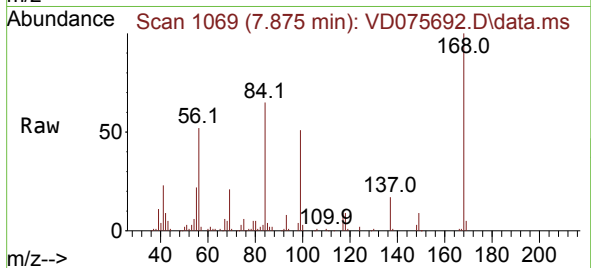
VSTDCCC050EC

Tgt Ion:168 Resp: 187830

Ion Ratio Lower Upper

168 100

99 50.7 43.8 65.6



#2

Dichlorodifluoromethane

Concen: 43.781 ug/l

RT: 1.928 min Scan# 58

Delta R.T. -0.006 min

Lab File: VD075692.D

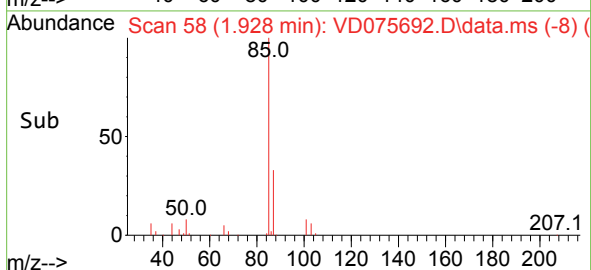
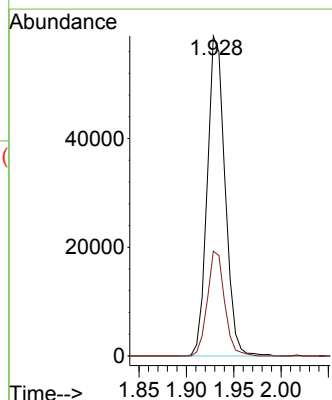
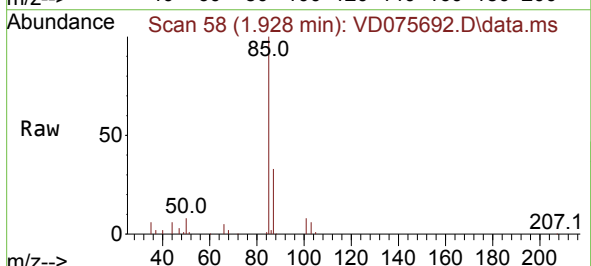
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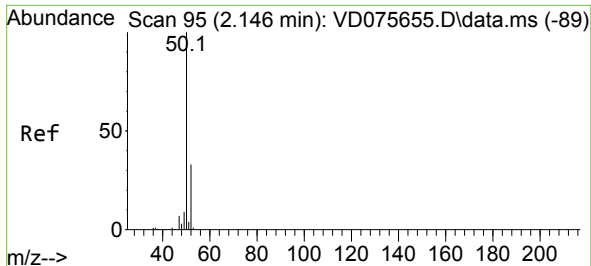
Tgt Ion: 85 Resp: 76409

Ion Ratio Lower Upper

85 100

87 32.8 17.3 51.7

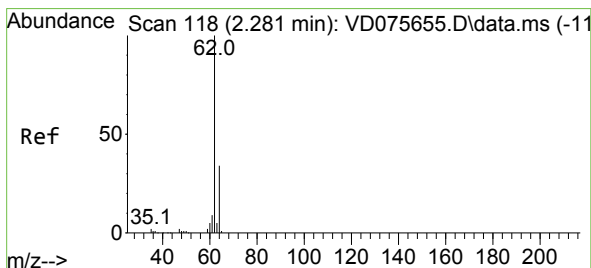
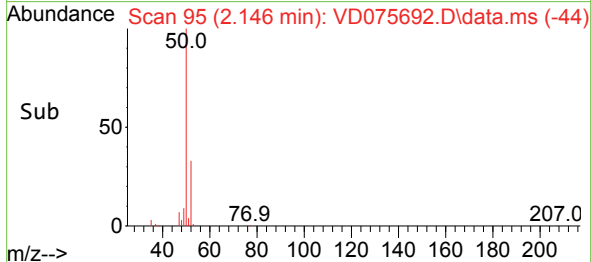
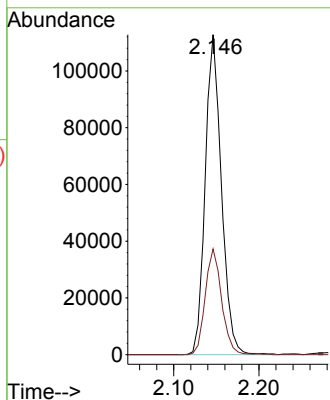
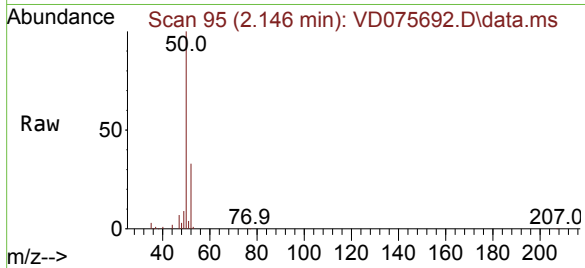




#3  
Chloromethane  
Concen: 47.218 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

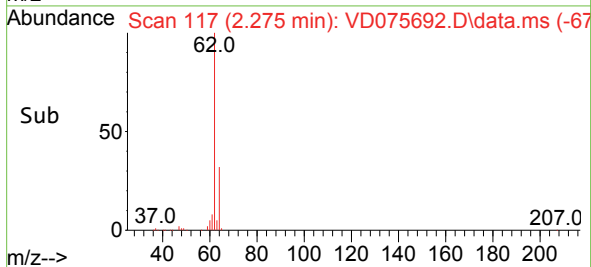
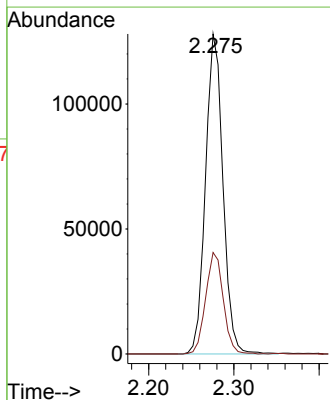
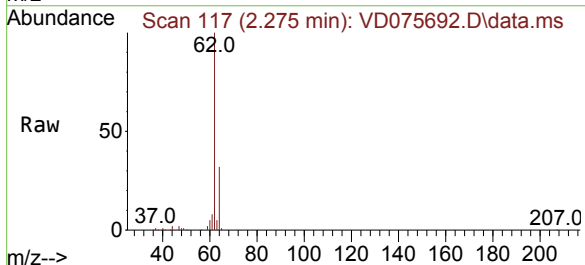
Instrument :  
MSVOA\_D  
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VSTDCCC050EC

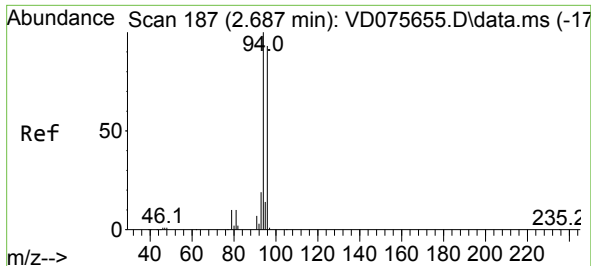
Tgt Ion: 50 Resp: 148801  
Ion Ratio Lower Upper  
50 100  
52 33.1 27.8 41.8



#4  
Vinyl Chloride  
Concen: 43.618 ug/l  
RT: 2.275 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 62 Resp: 182400  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.4 38.0

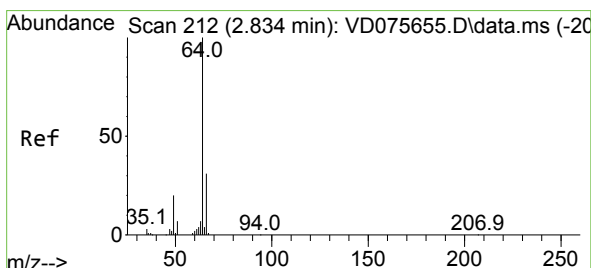
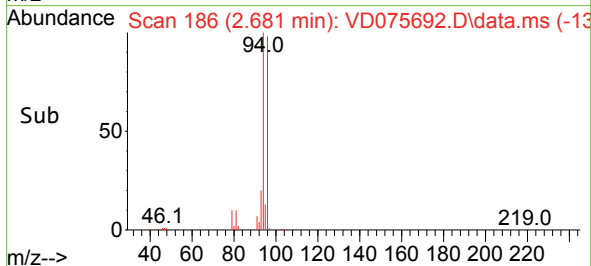
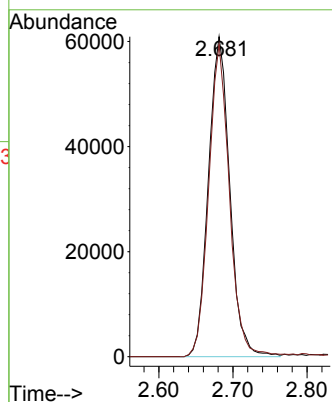
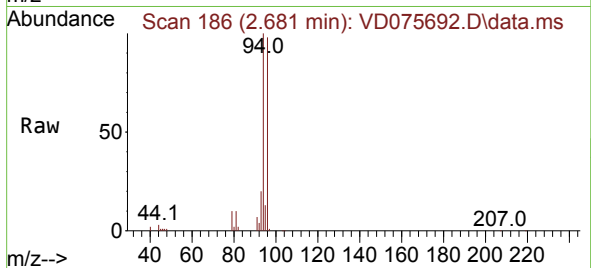




#5  
Bromomethane  
Concen: 37.365 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

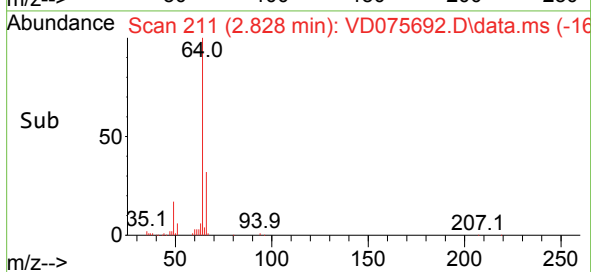
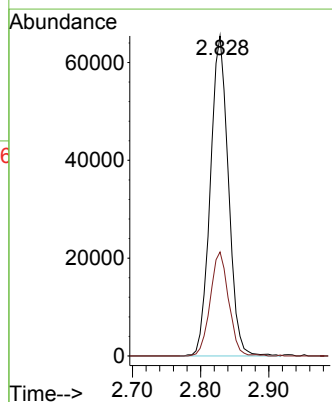
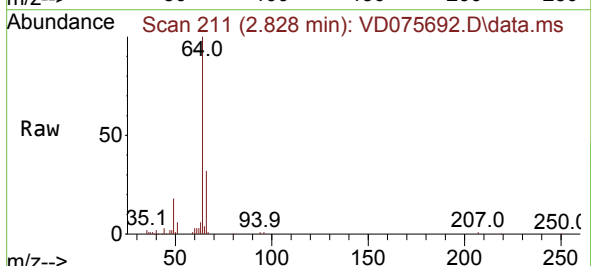
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

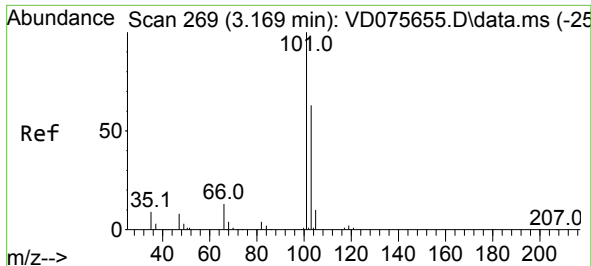
Tgt Ion: 94 Resp: 122000  
Ion Ratio Lower Upper  
94 100  
96 95.0 77.5 116.3



#6  
Chloroethane  
Concen: 42.902 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 64 Resp: 120791  
Ion Ratio Lower Upper  
64 100  
66 32.5 27.7 41.5

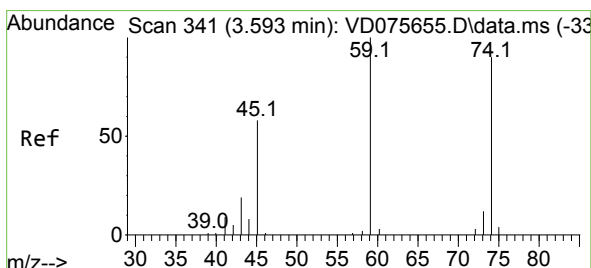
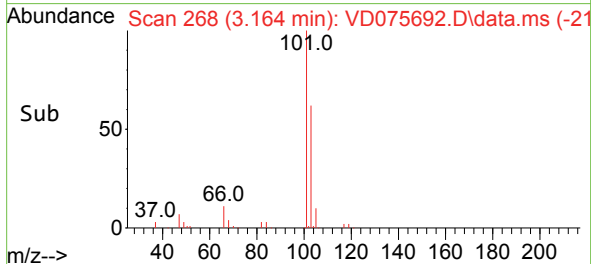
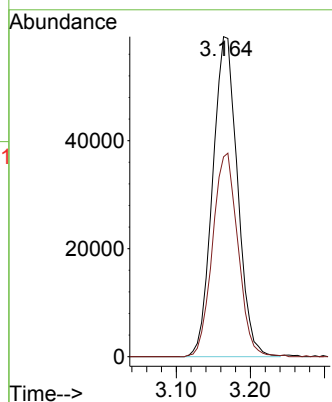
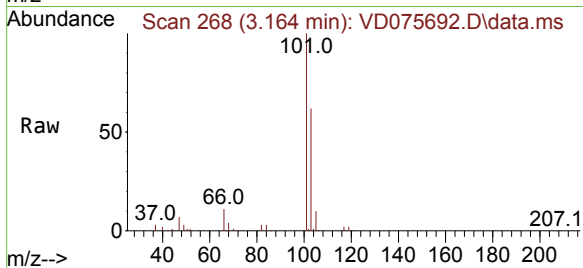




#7  
Trichlorofluoromethane  
Concen: 42.615 ug/l  
RT: 3.164 min Scan# 269  
Delta R.T. -0.005 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

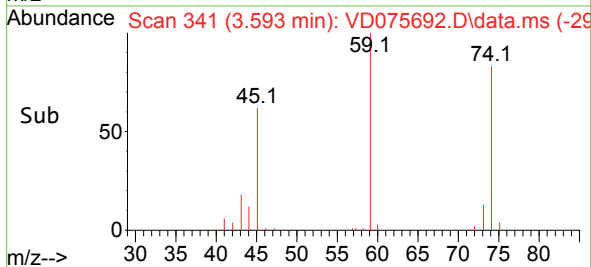
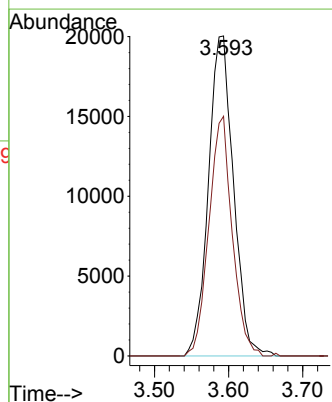
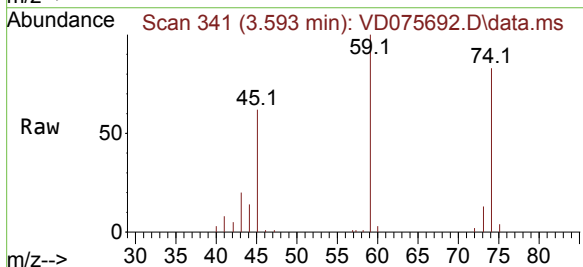
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

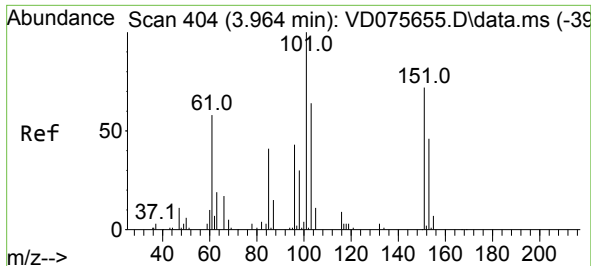
Tgt Ion:101 Resp: 138080  
Ion Ratio Lower Upper  
101 100  
103 62.5 51.9 77.9



#8  
Diethyl Ether  
Concen: 46.725 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 74 Resp: 47120  
Ion Ratio Lower Upper  
74 100  
45 69.6 50.9 152.7

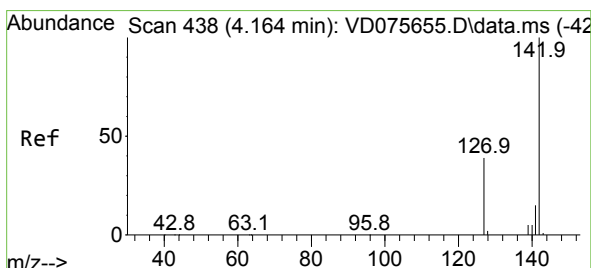
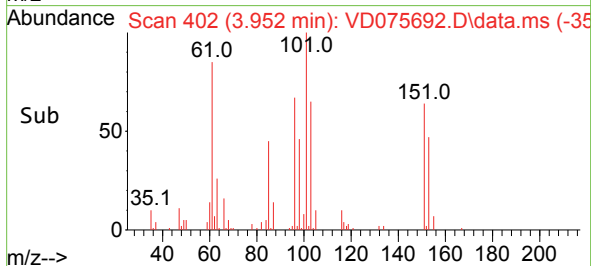
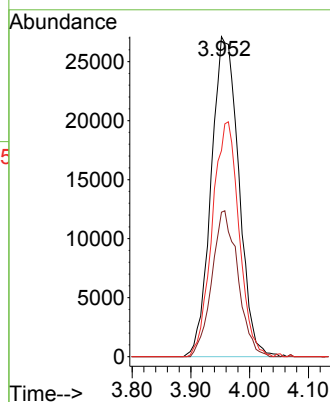
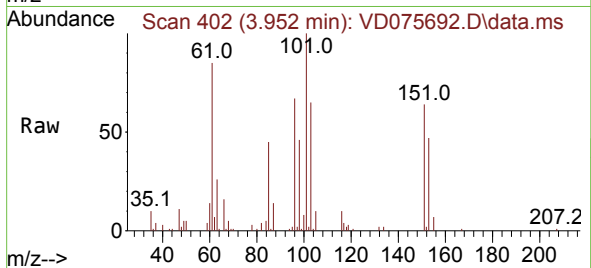




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 43.463 ug/l  
RT: 3.952 min Scan# 404  
Delta R.T. -0.012 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

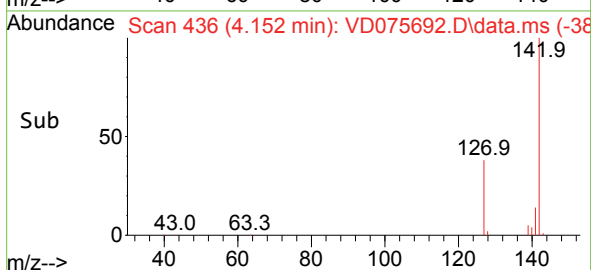
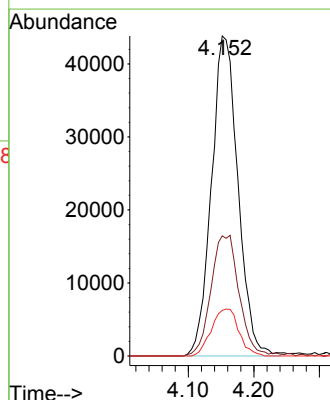
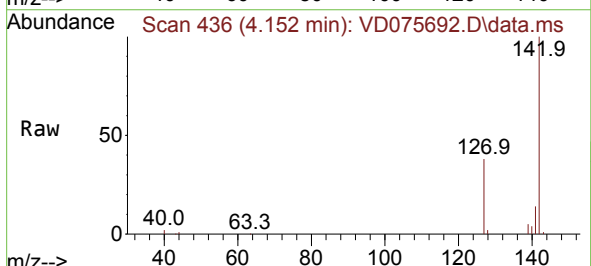
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDC0050EC

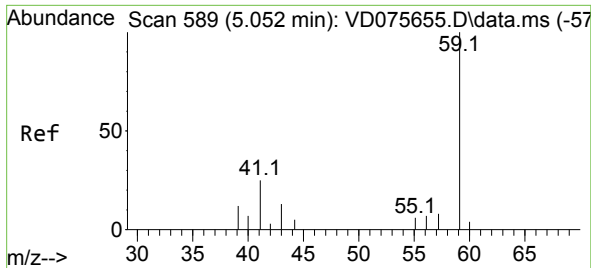
Tgt Ion:101 Resp: 88310  
Ion Ratio Lower Upper  
101 100  
85 43.1 38.3 57.5  
151 71.2 60.4 90.6



#10  
Methyl Iodide  
Concen: 44.216 ug/l  
RT: 4.152 min Scan# 436  
Delta R.T. -0.012 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:142 Resp: 122955  
Ion Ratio Lower Upper  
142 100  
127 40.0 37.1 55.7  
141 15.1 11.3 16.9

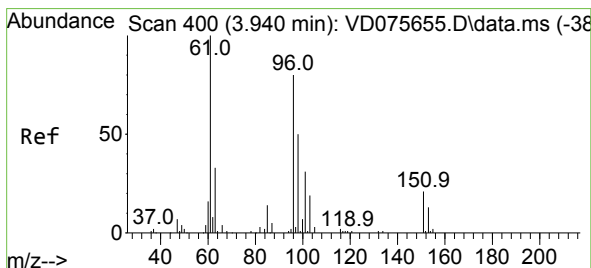
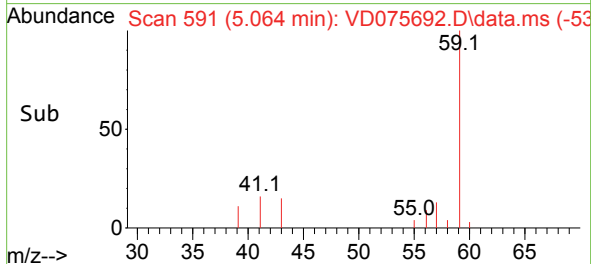
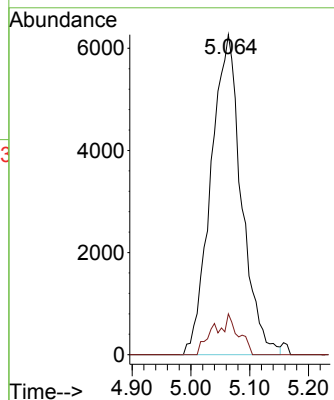
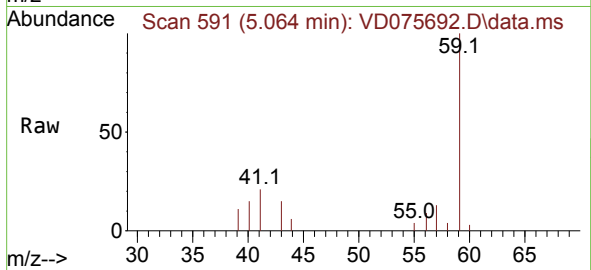




#11  
Tert butyl alcohol  
Concen: 253.328 ug/l  
RT: 5.064 min Scan# 591  
Delta R.T. 0.012 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

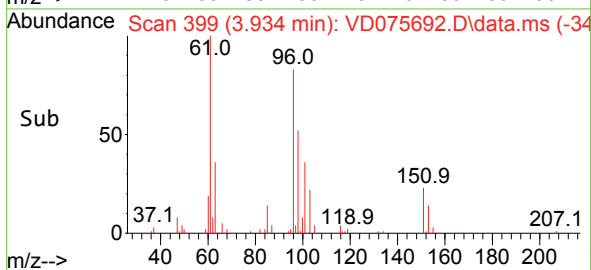
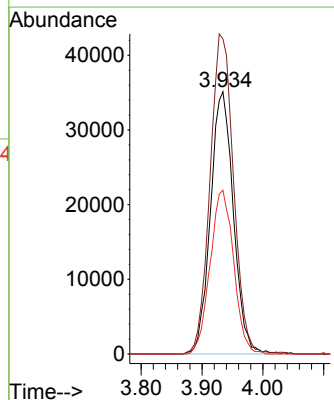
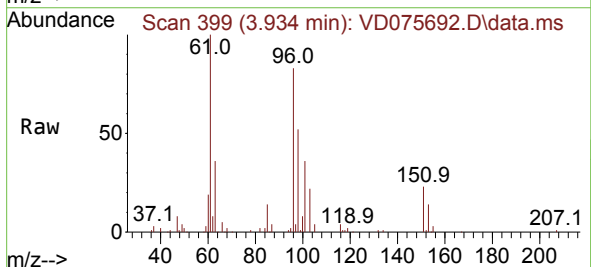
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

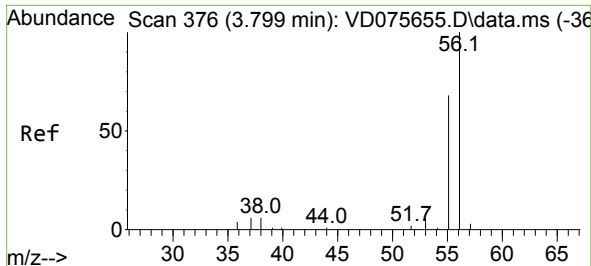
Tgt Ion: 59 Resp: 22667  
Ion Ratio Lower Upper  
59 100  
57 4.9 0.0 0.0#



#12  
1,1-Dichloroethene  
Concen: 43.705 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 96 Resp: 91948  
Ion Ratio Lower Upper  
96 100  
61 120.1 118.6 177.8  
98 62.4 49.7 74.5

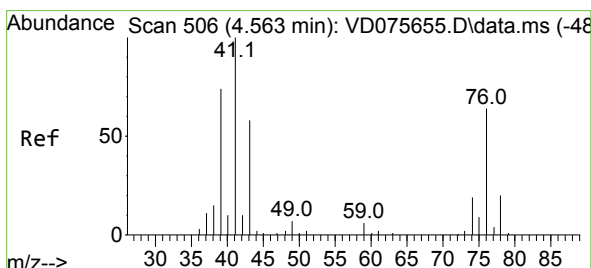
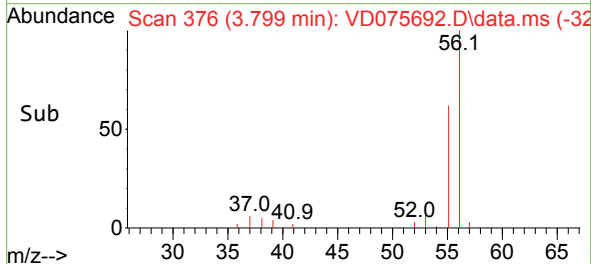
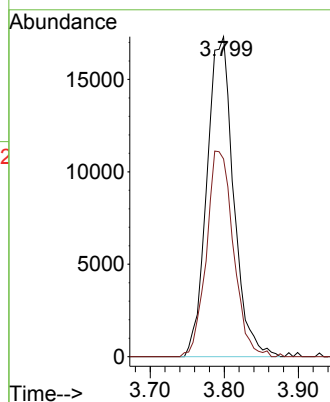
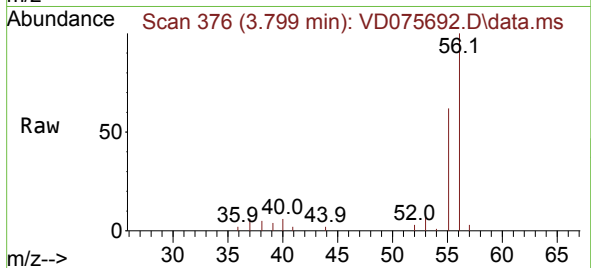




#13  
Acrolein  
Concen: 239.645 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

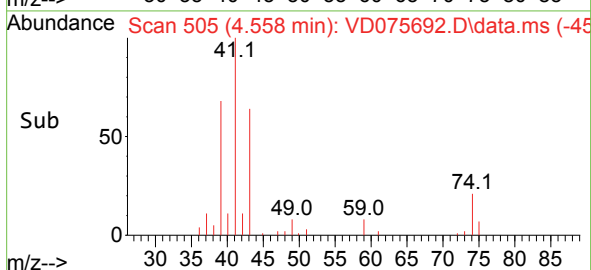
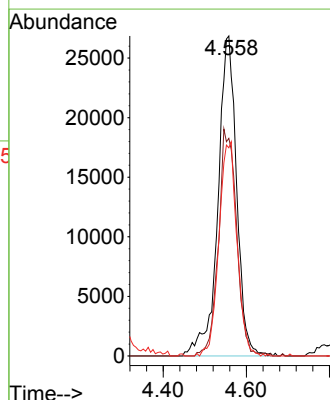
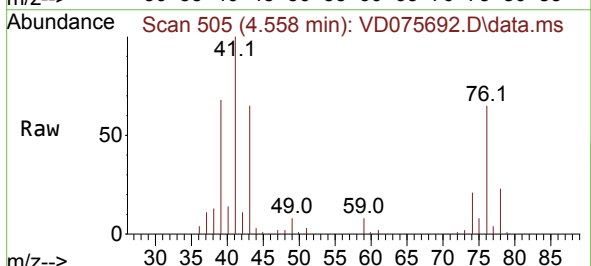
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

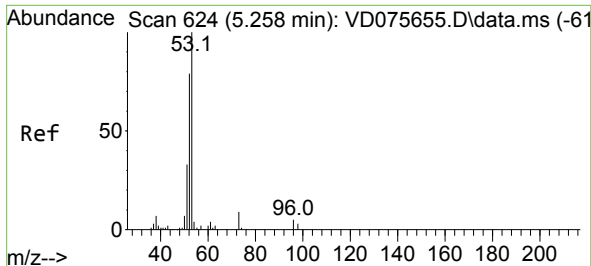
Tgt Ion: 56 Resp: 43252  
Ion Ratio Lower Upper  
56 100  
55 65.0 53.9 80.9



#14  
Allyl chloride  
Concen: 43.836 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.005 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 41 Resp: 83990  
Ion Ratio Lower Upper  
41 100  
39 68.5 60.6 90.8  
76 64.7 28.6 43.0#





#15

Acrylonitrile

Concen: 245.682 ug/l

RT: 5.252 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

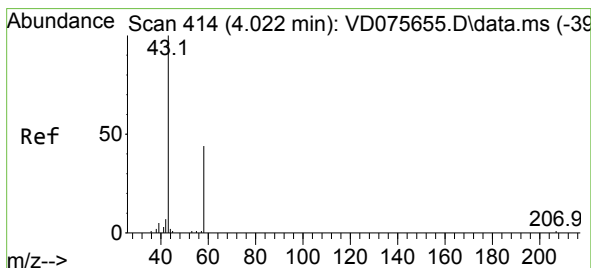
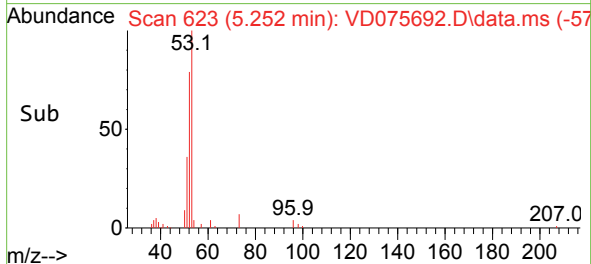
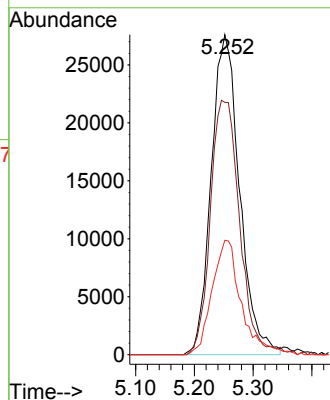
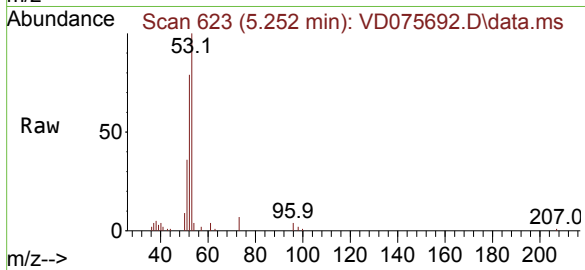
Tgt Ion: 53 Resp: 92539

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.4

51 36.7 30.7 46.1



#16

Acetone

Concen: 198.147 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD075692.D

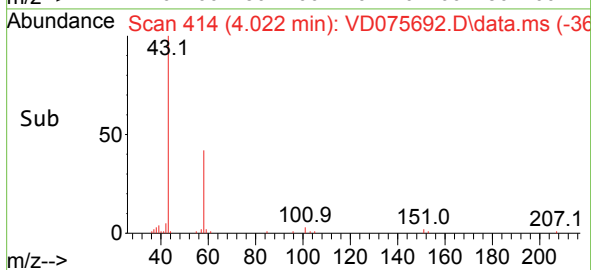
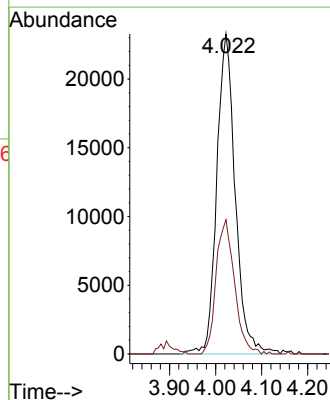
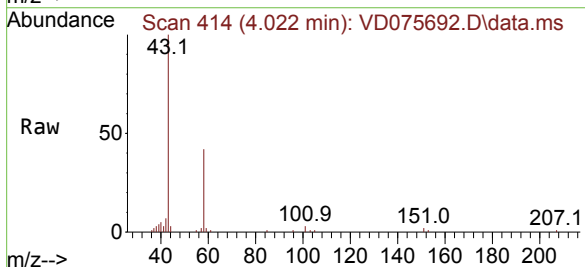
Acq: 14 Apr 2023 21:36

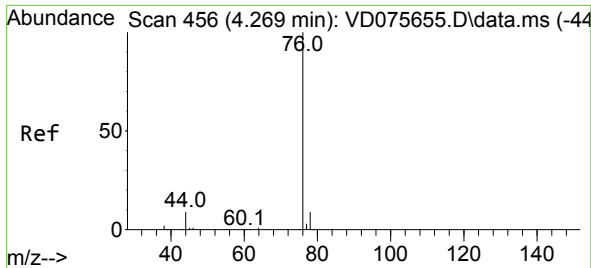
Tgt Ion: 43 Resp: 64719

Ion Ratio Lower Upper

43 100

58 42.0 24.4 36.6#

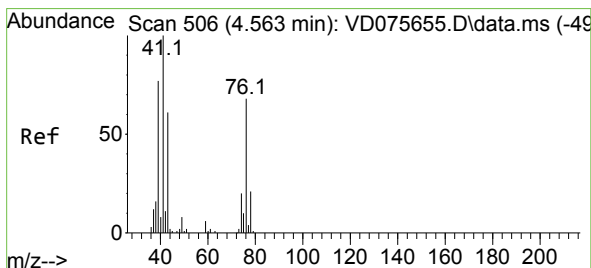
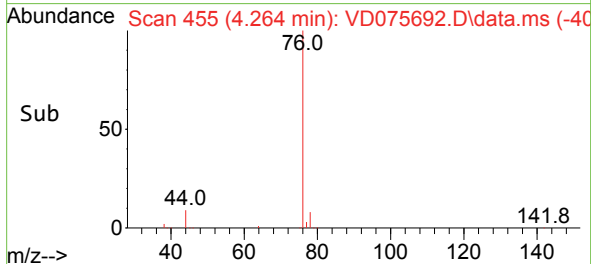
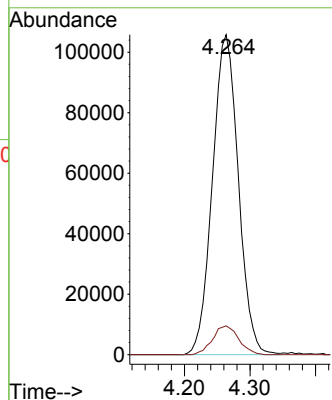
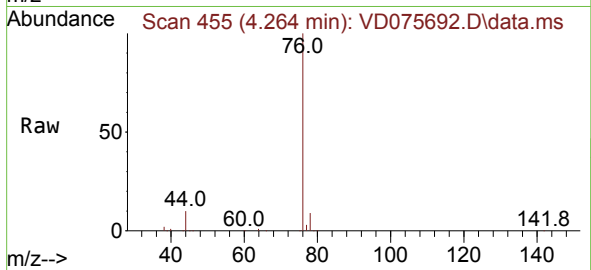




#17  
Carbon Disulfide  
Concen: 42.073 ug/l  
RT: 4.264 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

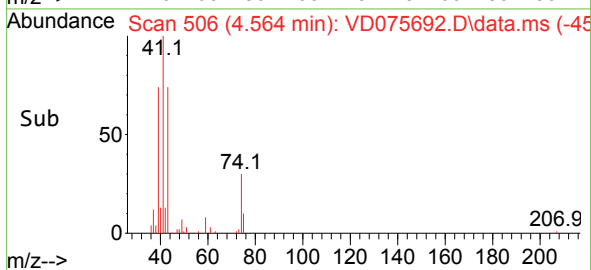
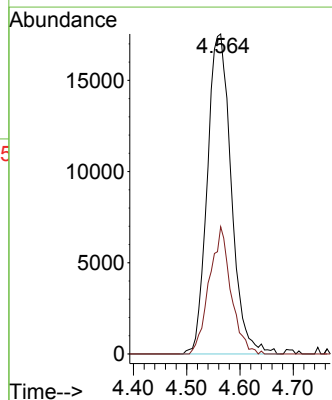
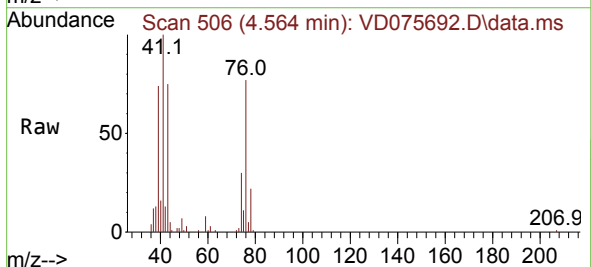
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

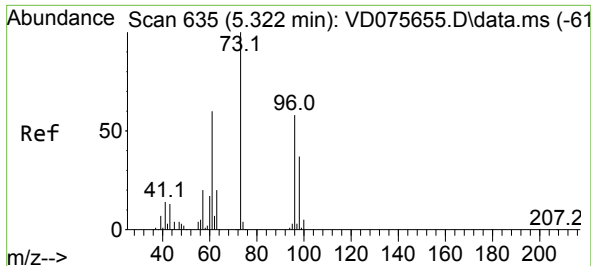
Tgt Ion: 76 Resp: 289657  
Ion Ratio Lower Upper  
76 100  
78 9.0 8.0 12.0



#18  
Methyl Acetate  
Concen: 49.657 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.001 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 43 Resp: 54694  
Ion Ratio Lower Upper  
43 100  
74 36.1 17.8 26.6#

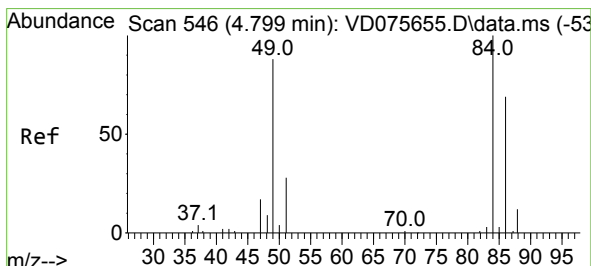
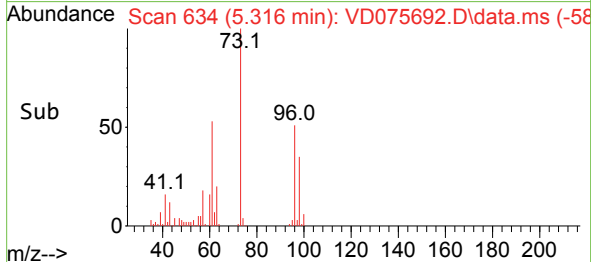
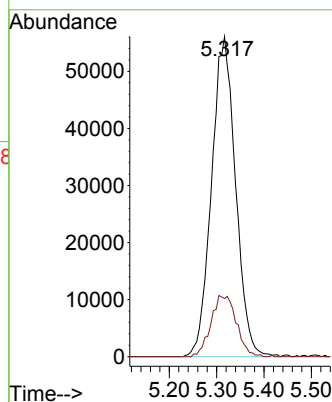
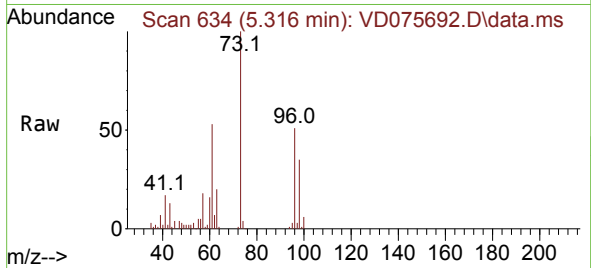




#19  
Methyl tert-butyl Ether  
Concen: 48.367 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

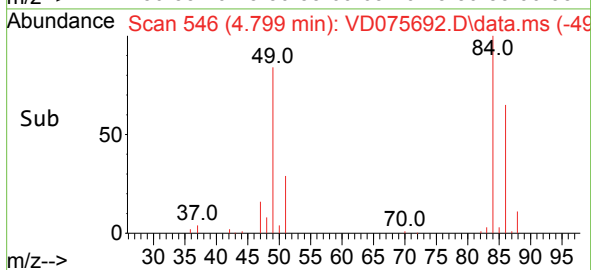
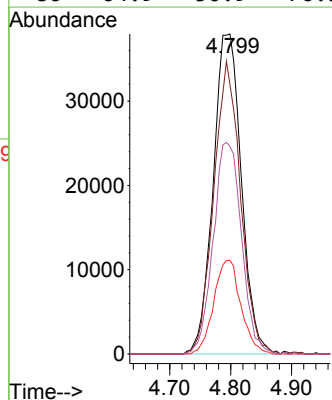
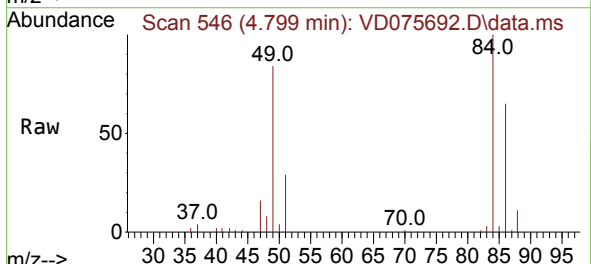
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

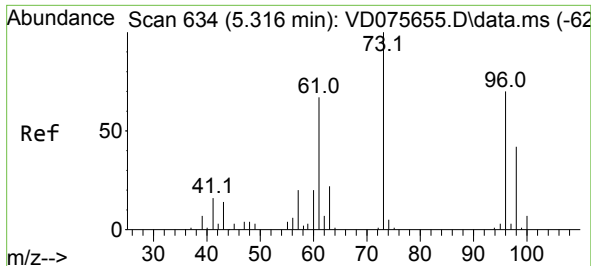
Tgt Ion: 73 Resp: 197479  
Ion Ratio Lower Upper  
73 100  
57 18.2 17.2 25.8



#20  
Methylene Chloride  
Concen: 48.233 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 84 Resp: 122272  
Ion Ratio Lower Upper  
84 100  
49 84.1 106.4 159.6#  
51 29.3 32.4 48.6#  
86 64.9 50.9 76.3

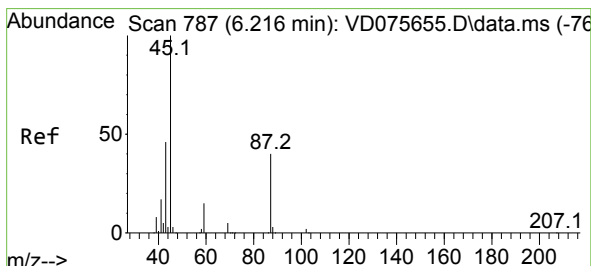
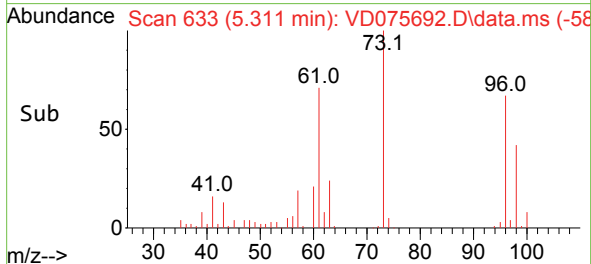
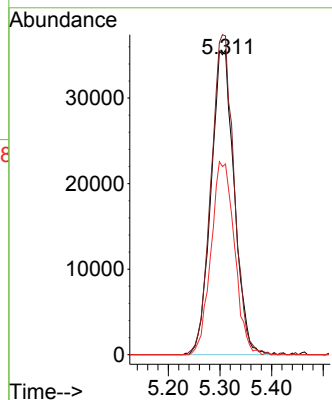
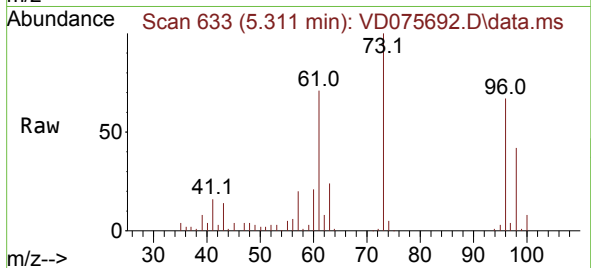




#21  
trans-1,2-Dichloroethene  
Concen: 44.212 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. -0.005 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

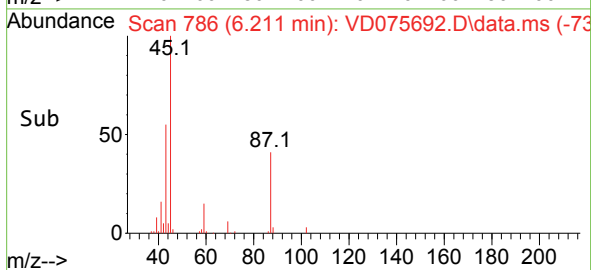
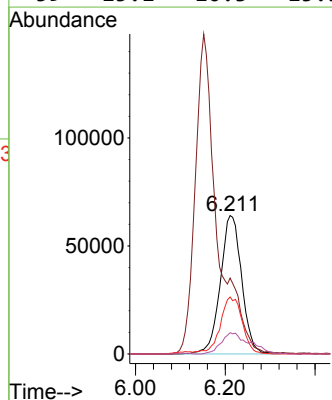
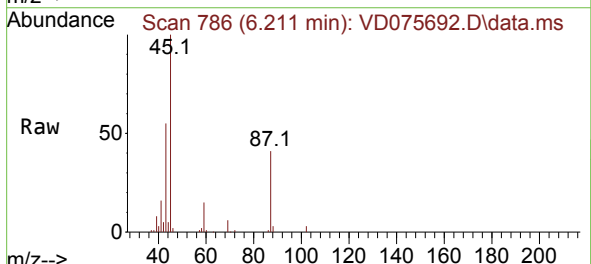
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

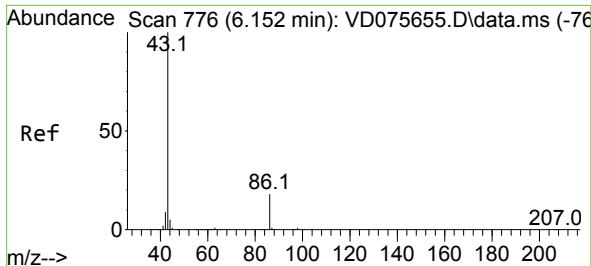
Tgt Ion: 96 Resp: 110777  
Ion Ratio Lower Upper  
96 100  
61 104.6 117.2 175.8#  
98 62.6 50.6 76.0



#22  
Diisopropyl ether  
Concen: 48.901 ug/l  
RT: 6.211 min Scan# 786  
Delta R.T. -0.005 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 45 Resp: 211715  
Ion Ratio Lower Upper  
45 100  
43 54.0 44.4 66.6  
87 41.1 20.9 31.3#  
59 15.1 10.3 15.5

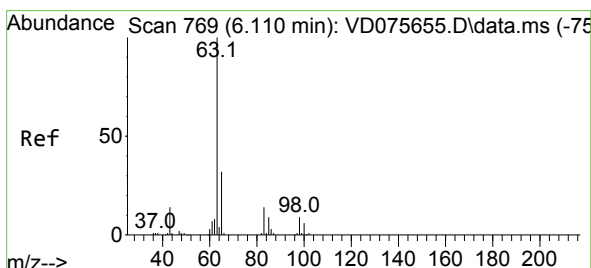
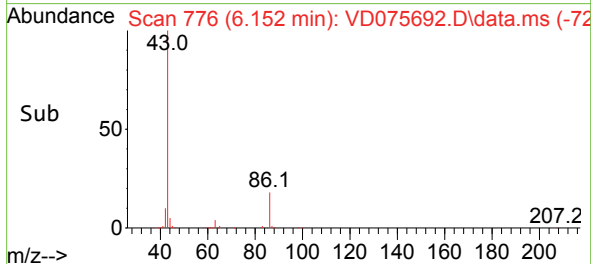
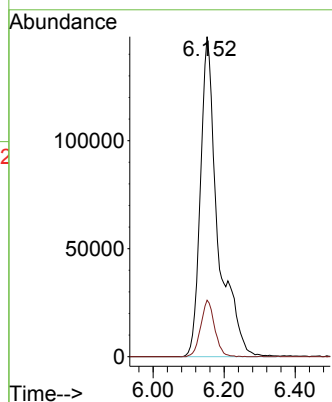
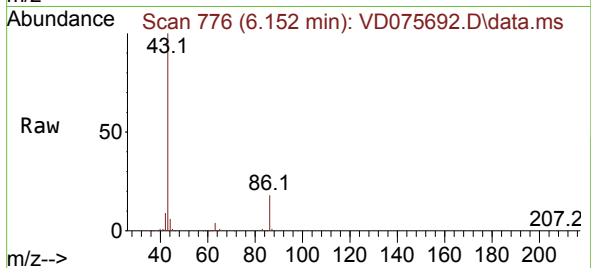




#23  
 Vinyl Acetate  
 Concen: 251.747 ug/l  
 RT: 6.152 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

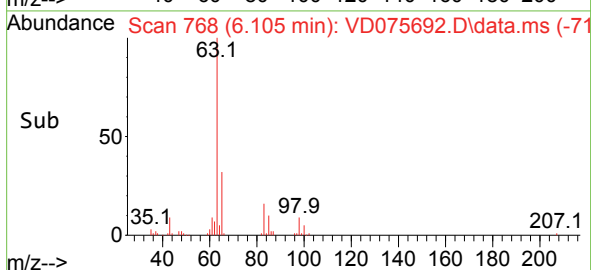
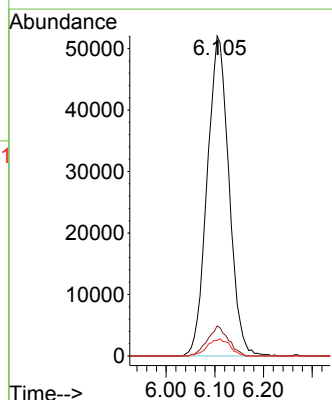
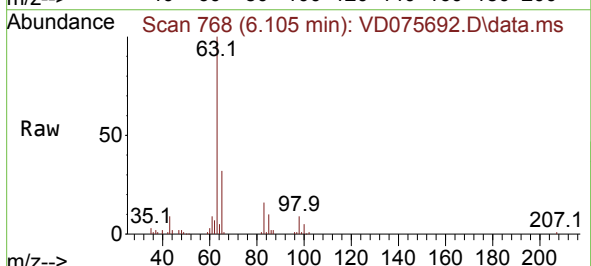
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

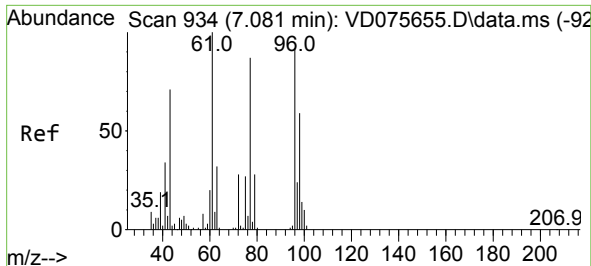
Tgt Ion: 43 Resp: 506254  
 Ion Ratio Lower Upper  
 43 100  
 86 17.7 9.0 13.6#



#24  
 1,1-Dichloroethane  
 Concen: 44.998 ug/l  
 RT: 6.105 min Scan# 768  
 Delta R.T. -0.005 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

Tgt Ion: 63 Resp: 161431  
 Ion Ratio Lower Upper  
 63 100  
 98 9.4 3.9 11.7  
 100 4.8 2.0 6.0

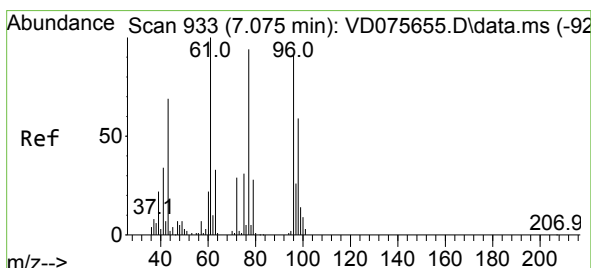
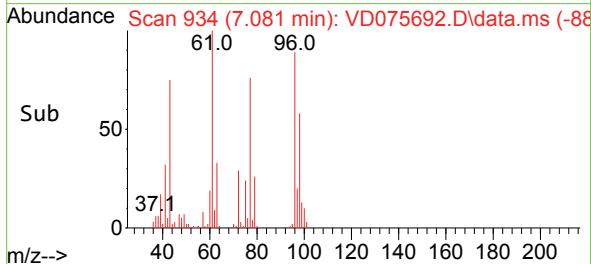
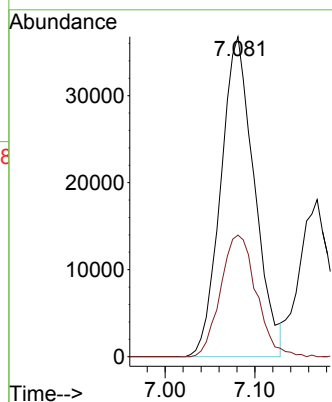
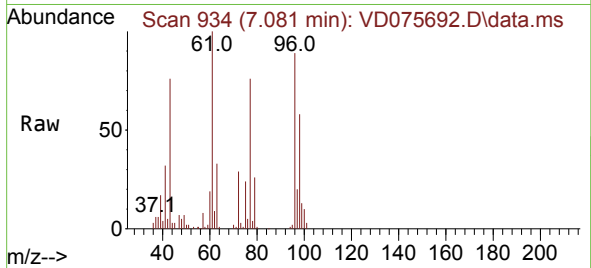




#25  
2-Butanone  
Concen: 227.309 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

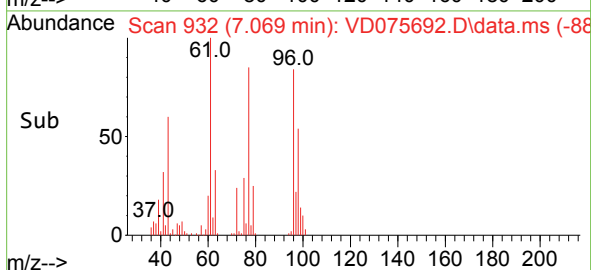
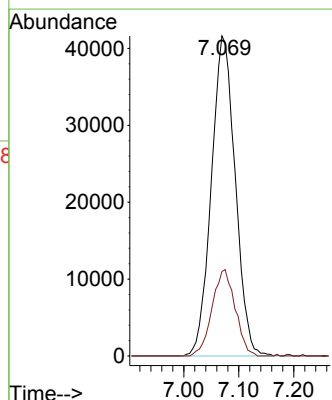
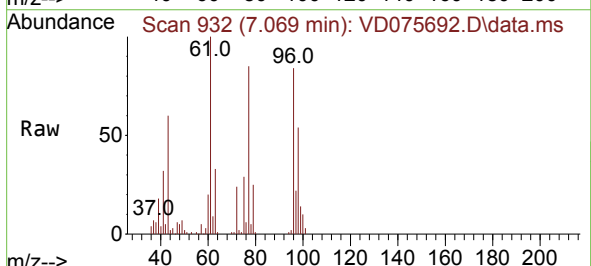
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

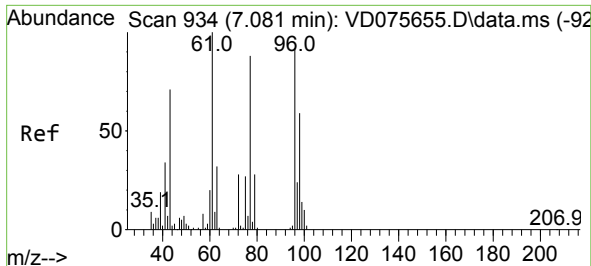
Tgt Ion: 43 Resp: 95593  
Ion Ratio Lower Upper  
43 100  
72 38.0 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 38.639 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 77 Resp: 125670  
Ion Ratio Lower Upper  
77 100  
97 26.1 11.1 33.1

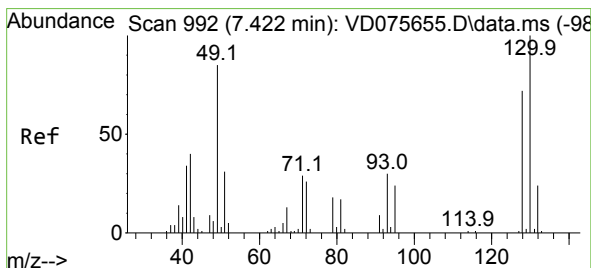
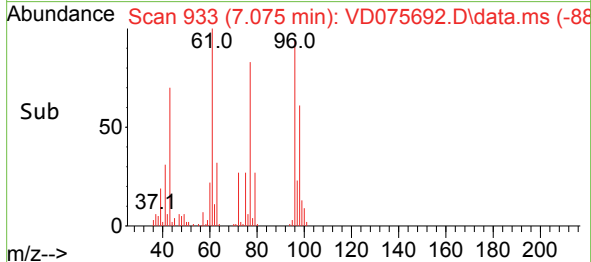
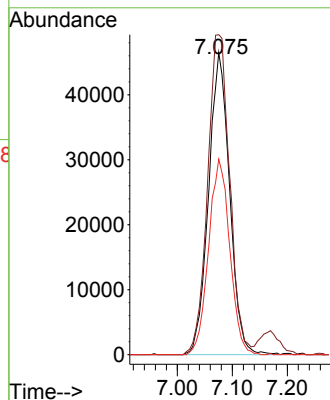
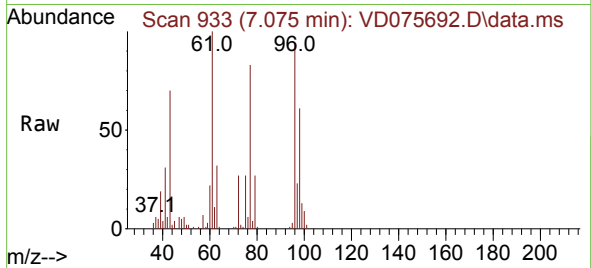




#27  
cis-1,2-Dichloroethene  
Concen: 44.522 ug/l  
RT: 7.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

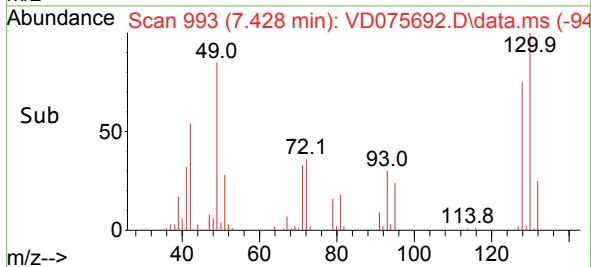
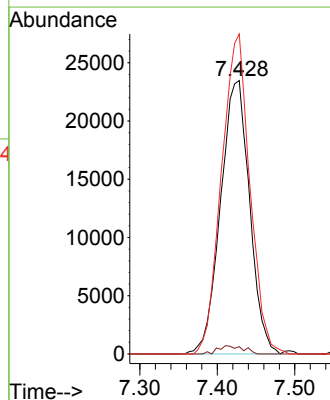
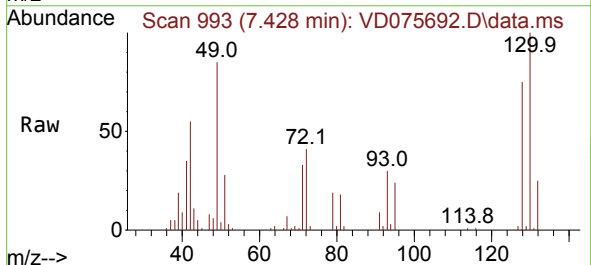
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

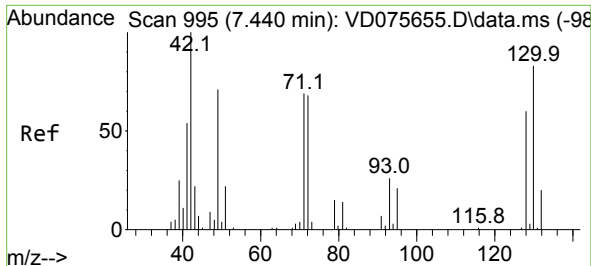
Tgt Ion: 96 Resp: 123574  
Ion Ratio Lower Upper  
96 100  
61 111.3 0.0 295.2  
98 65.2 0.0 129.2



#28  
Bromochloromethane  
Concen: 53.940 ug/l  
RT: 7.428 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 49 Resp: 61170  
Ion Ratio Lower Upper  
49 100  
129 2.6 0.0 2.2#  
130 114.4 56.0 84.0#





#29

Tetrahydrofuran

Concen: 261.600 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

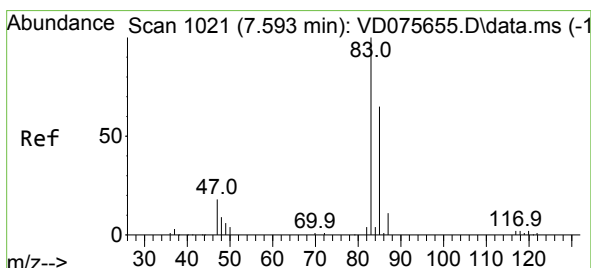
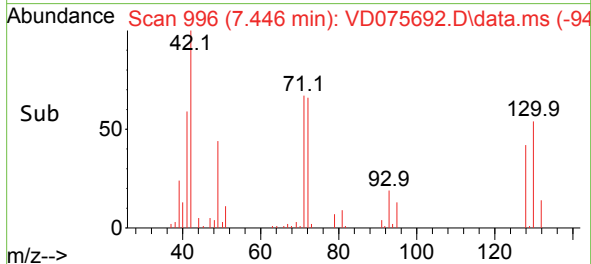
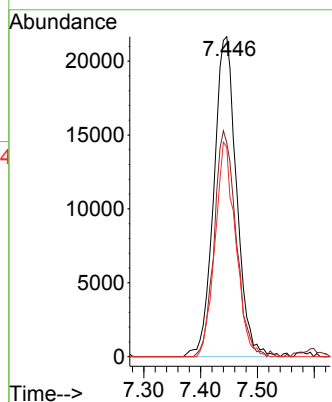
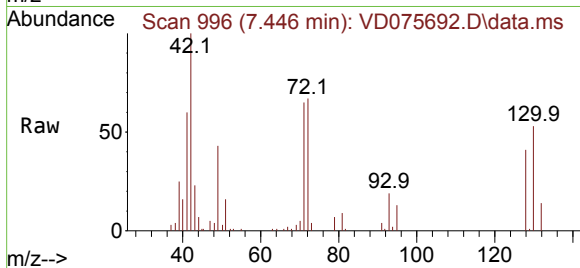
Tgt Ion: 42 Resp: 60162

Ion Ratio Lower Upper

42 100

72 67.8 31.8 47.6#

71 61.2 27.6 41.4#



#30

Chloroform

Concen: 44.964 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD075692.D

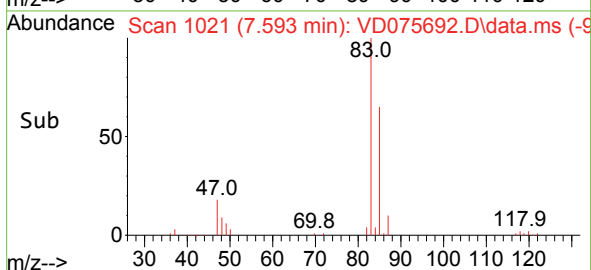
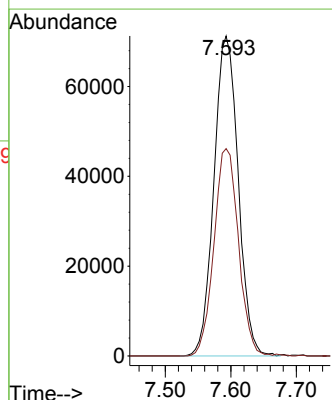
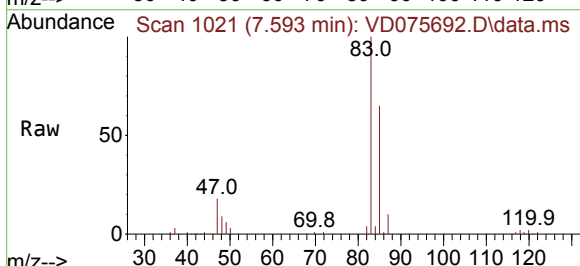
Acq: 14 Apr 2023 21:36

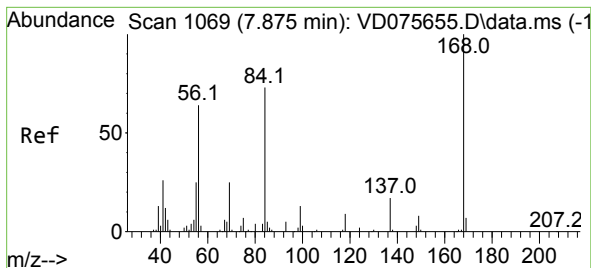
Tgt Ion: 83 Resp: 182869

Ion Ratio Lower Upper

83 100

85 64.8 49.4 74.2





#31

Cyclohexane

Concen: 40.975 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

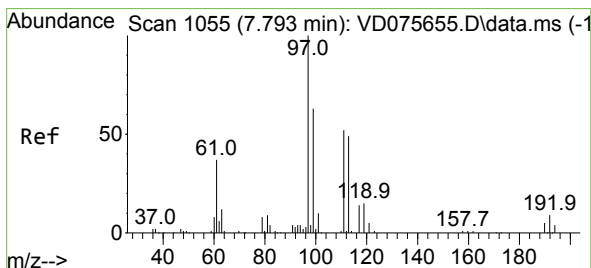
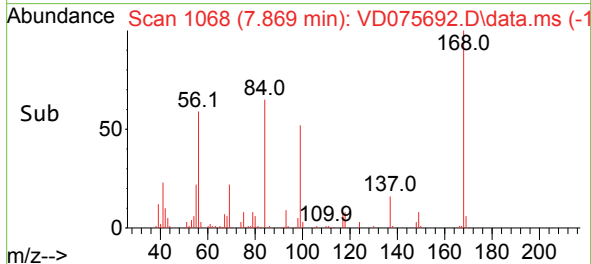
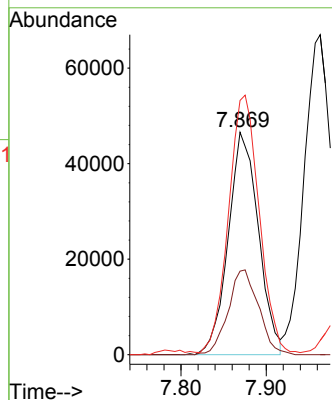
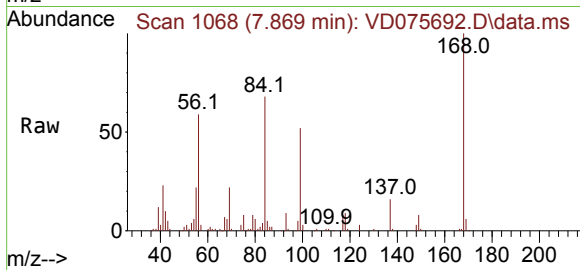
Tgt Ion: 56 Resp: 114638

Ion Ratio Lower Upper

56 100

69 37.6 25.5 38.3

84 112.3 69.6 104.4#



#32

1,1,1-Trichloroethane

Concen: 43.548 ug/l

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

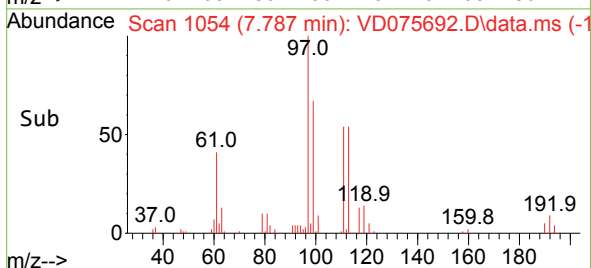
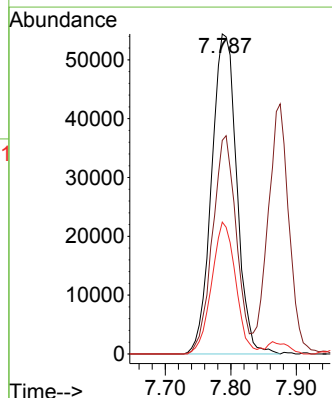
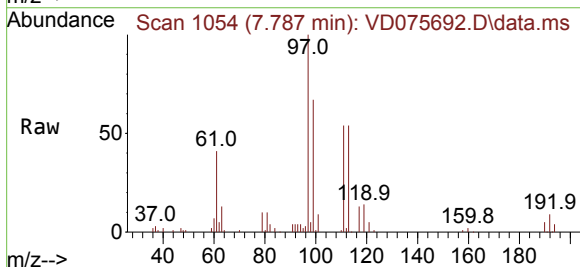
Tgt Ion: 97 Resp: 144415

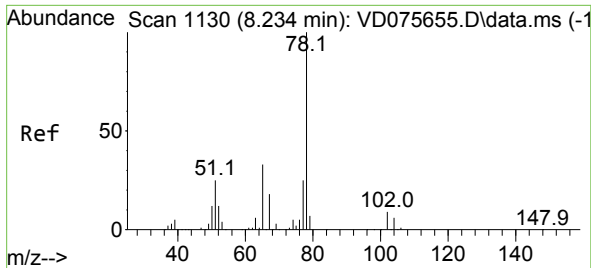
Ion Ratio Lower Upper

97 100

99 64.4 50.5 75.7

61 39.4 36.6 55.0

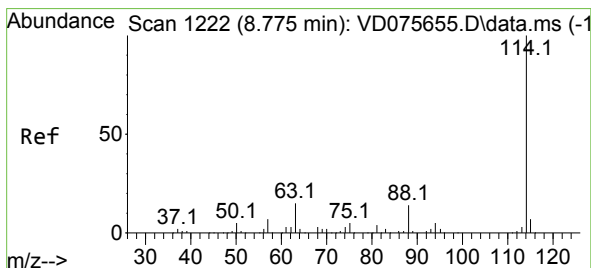
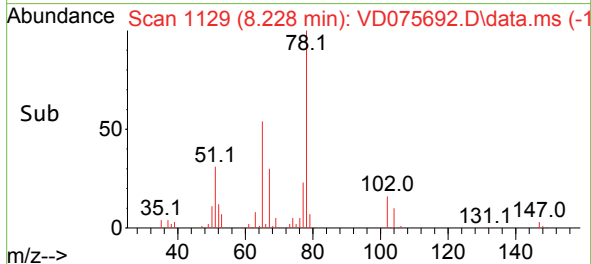
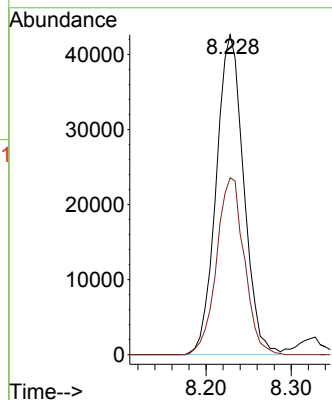
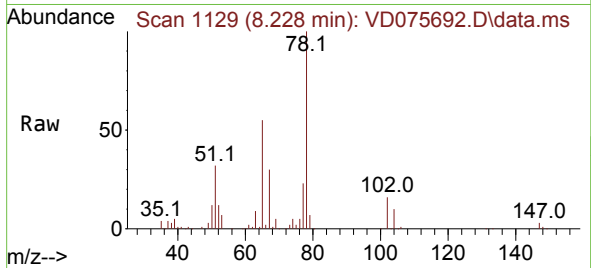




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.547 ug/l  
 RT: 8.228 min Scan# 1130  
 Delta R.T. -0.006 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

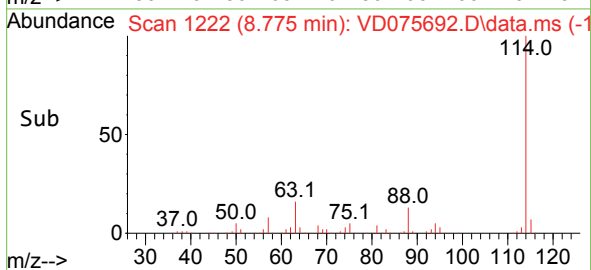
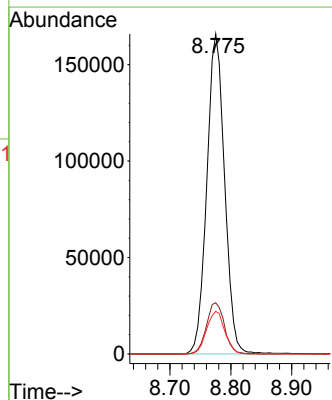
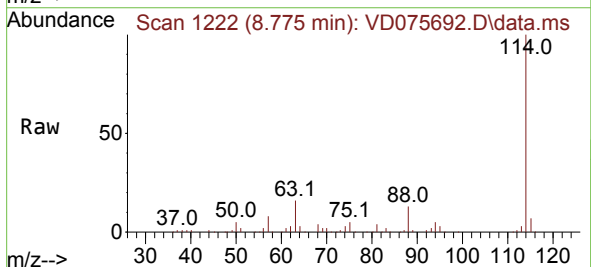
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

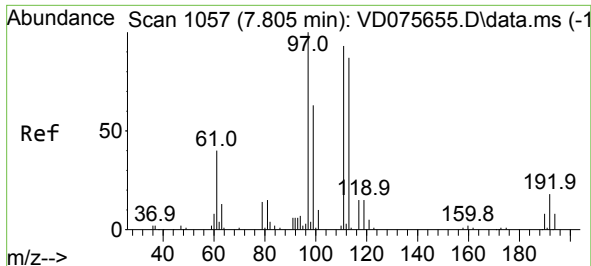
Tgt Ion: 65 Resp: 95468  
 Ion Ratio Lower Upper  
 65 100  
 67 55.9 0.0 102.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.775 min Scan# 1222  
 Delta R.T. 0.000 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

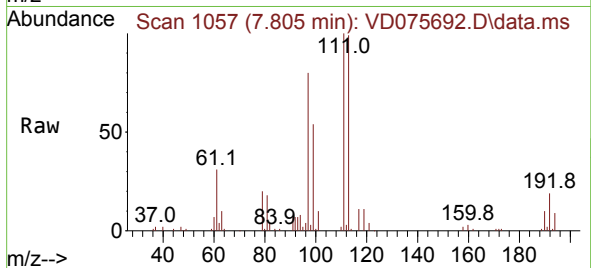
Tgt Ion: 114 Resp: 336266  
 Ion Ratio Lower Upper  
 114 100  
 63 16.0 0.0 41.6  
 88 13.3 0.0 30.6



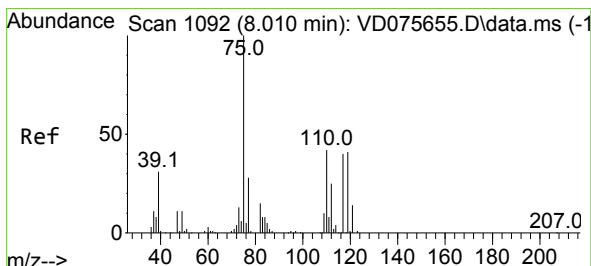
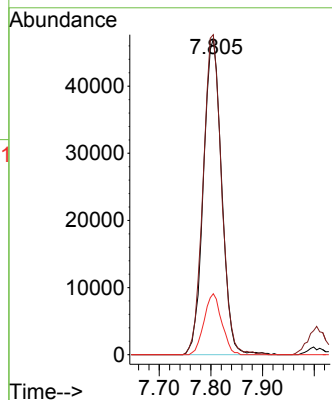
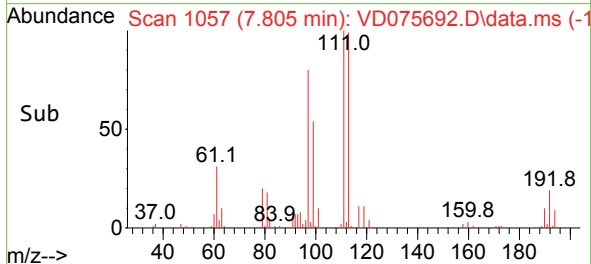


#35  
Dibromofluoromethane  
Concen: 50.982 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

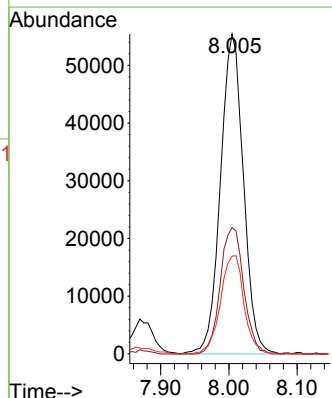
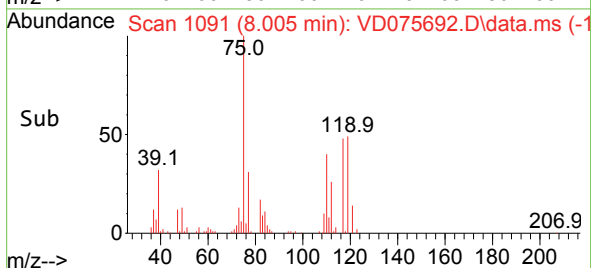
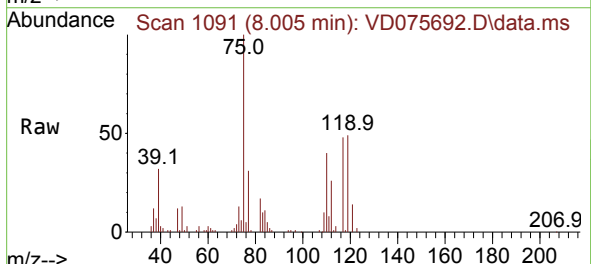


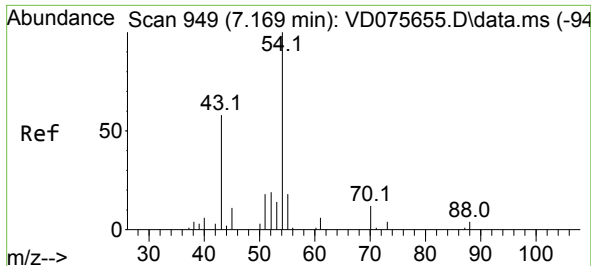
Tgt Ion:113 Resp: 115308  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.4 122.0  
192 18.6 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 41.628 ug/l  
RT: 8.005 min Scan# 1091  
Delta R.T. -0.005 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 75 Resp: 129890  
Ion Ratio Lower Upper  
75 100  
110 40.4 17.1 51.2  
77 31.5 24.6 36.8





#37

Ethyl Acetate

Concen: 49.028 ug/l

RT: 7.169 min Scan# 949

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

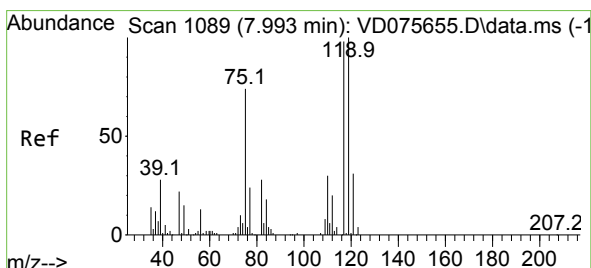
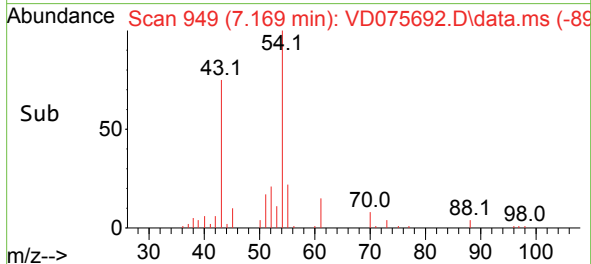
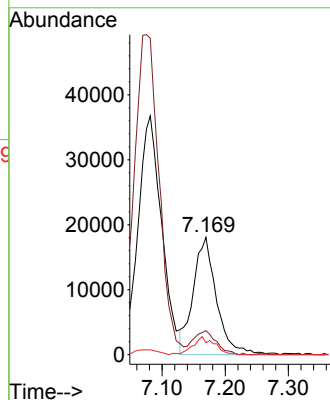
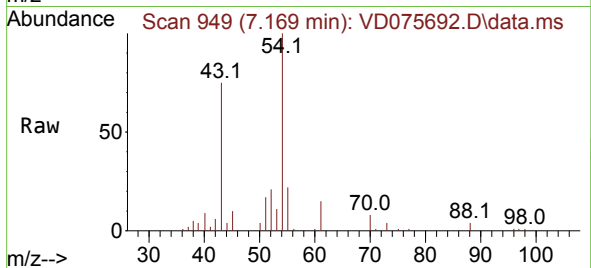
Tgt Ion: 43 Resp: 46555

Ion Ratio Lower Upper

43 100

61 20.3 0.0 0.0#

70 14.1 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 41.320 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

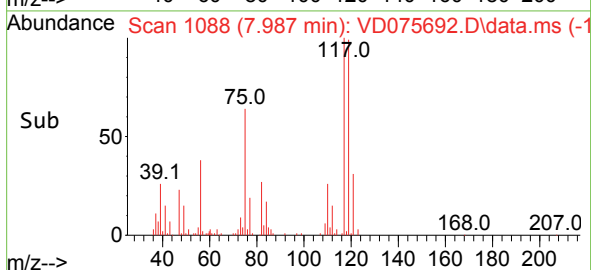
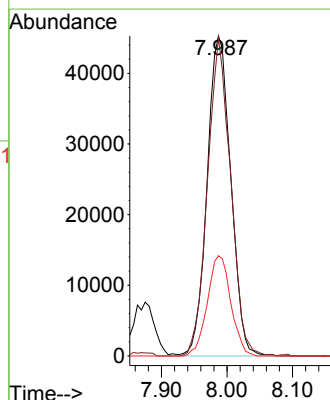
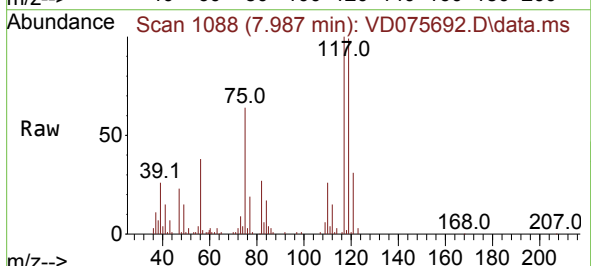
Tgt Ion: 117 Resp: 113535

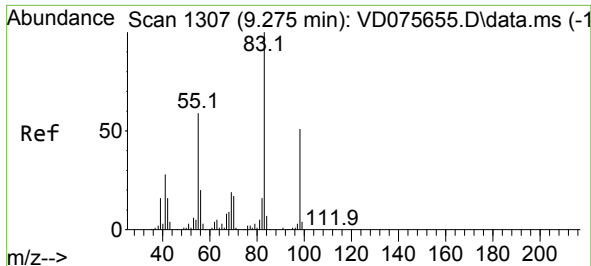
Ion Ratio Lower Upper

117 100

119 99.4 74.7 112.1

121 31.3 25.9 38.9





#39

Methylcyclohexane

Concen: 43.767 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

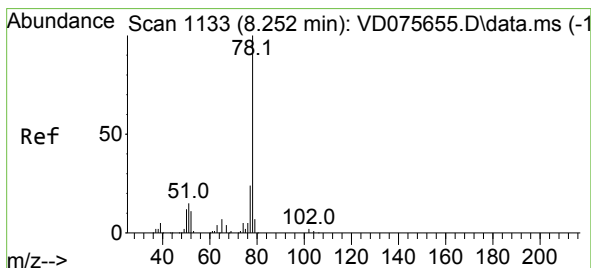
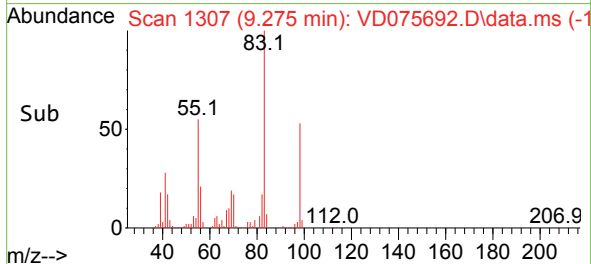
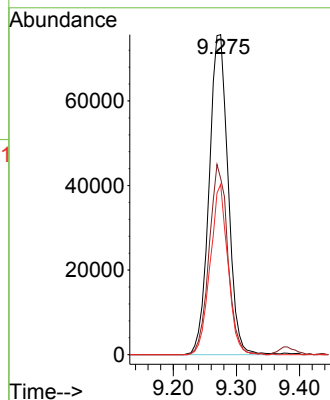
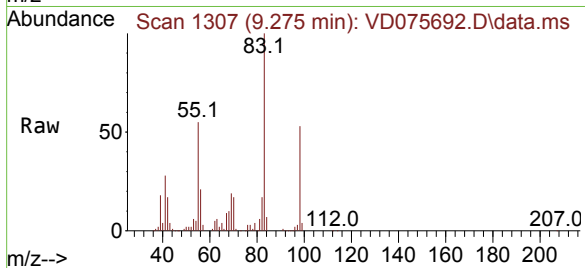
Tgt Ion: 83 Resp: 157913

Ion Ratio Lower Upper

83 100

55 55.0 56.8 85.2#

98 53.2 38.9 58.3



#40

Benzene

Concen: 43.303 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD075692.D

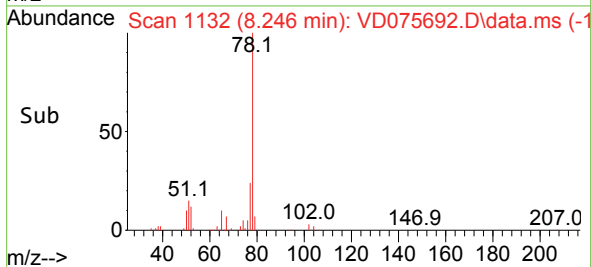
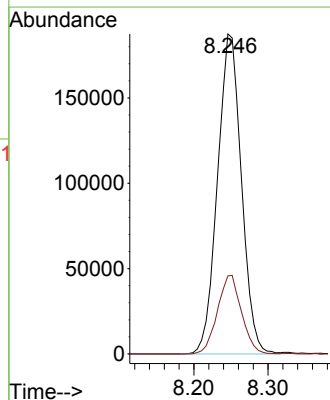
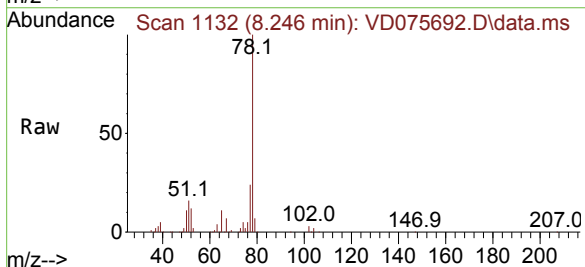
Acq: 14 Apr 2023 21:36

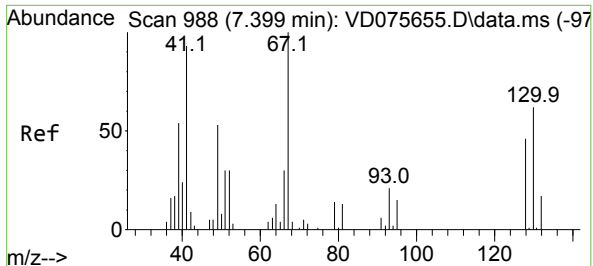
Tgt Ion: 78 Resp: 420035

Ion Ratio Lower Upper

78 100

77 24.4 19.1 28.7

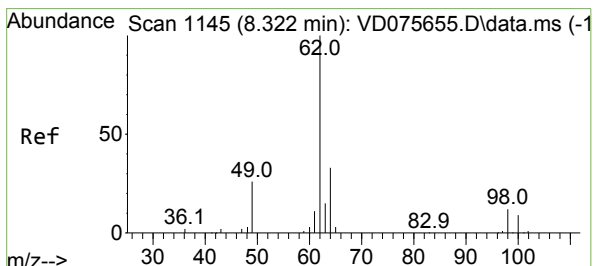
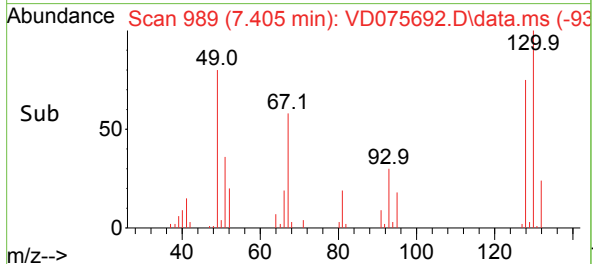
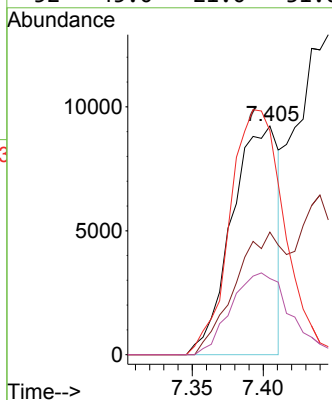
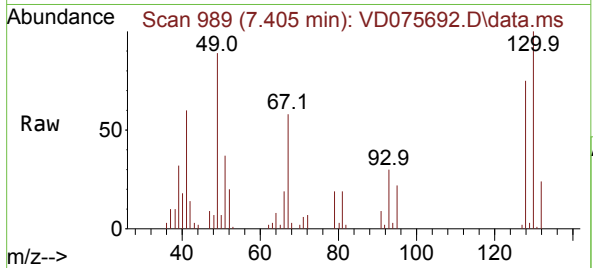




#41  
Methacrylonitrile  
Concen: 46.232 ug/l  
RT: 7.405 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

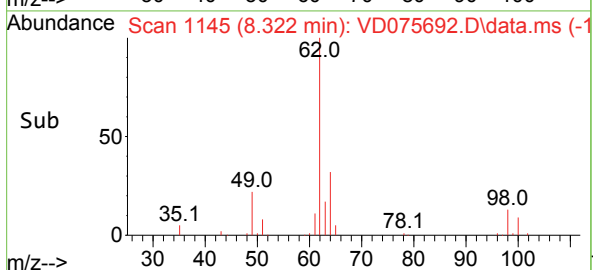
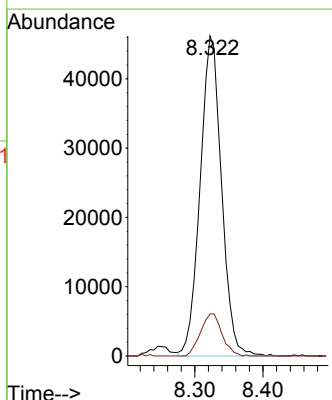
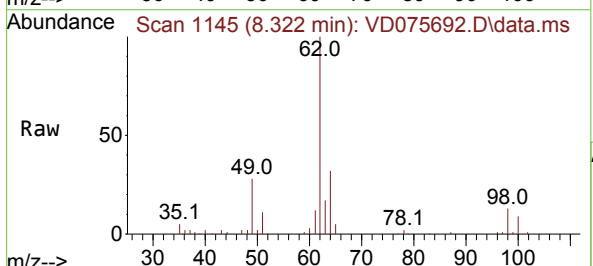
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

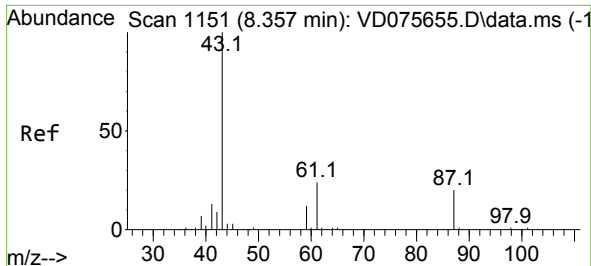
Tgt Ion: 41 Resp: 21067  
Ion Ratio Lower Upper  
41 100  
39 57.2 45.3 67.9  
67 124.7 50.5 75.7#  
52 45.0 21.0 31.6#



#42  
1,2-Dichloroethane  
Concen: 45.726 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 62 Resp: 100745  
Ion Ratio Lower Upper  
62 100  
98 13.2 0.0 18.8

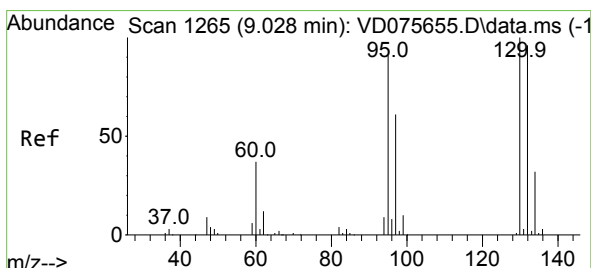
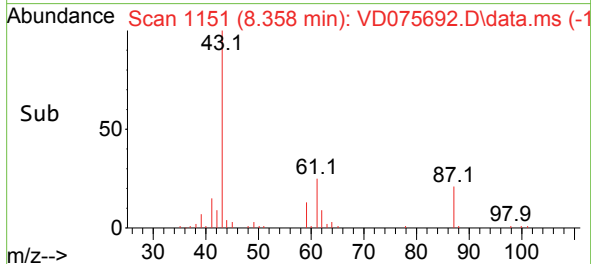
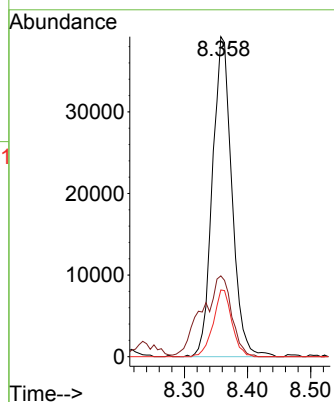
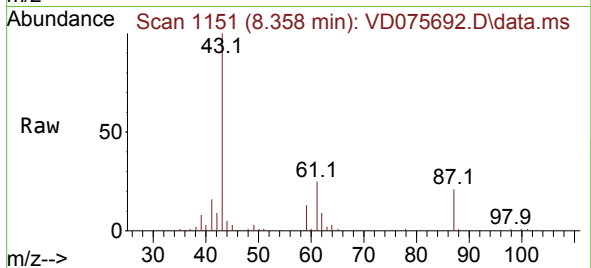




#43  
Isopropyl Acetate  
Concen: 48.418 ug/l  
RT: 8.358 min Scan# 1151  
Delta R.T. 0.001 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

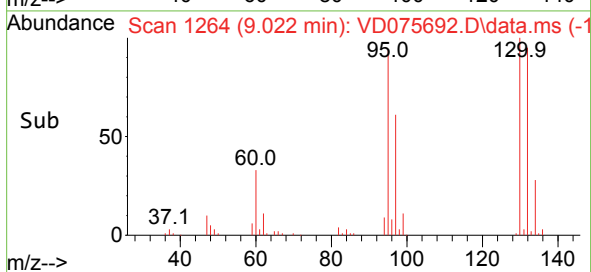
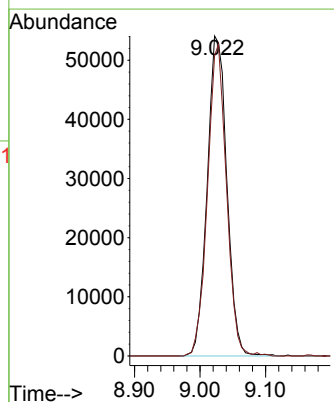
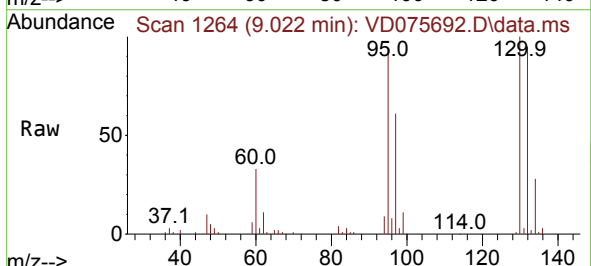
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

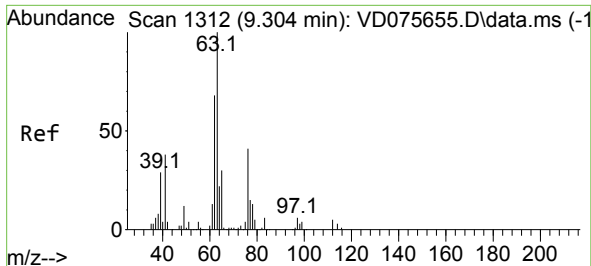
Tgt Ion: 43 Resp: 83838  
Ion Ratio Lower Upper  
43 100  
61 38.4 23.4 35.0#  
87 20.0 9.5 14.3#



#44  
Trichloroethene  
Concen: 41.082 ug/l  
RT: 9.022 min Scan# 1264  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:130 Resp: 112779  
Ion Ratio Lower Upper  
130 100  
95 93.8 0.0 197.6





#45

1,2-Dichloropropane

Concen: 43.829 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. 0.001 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

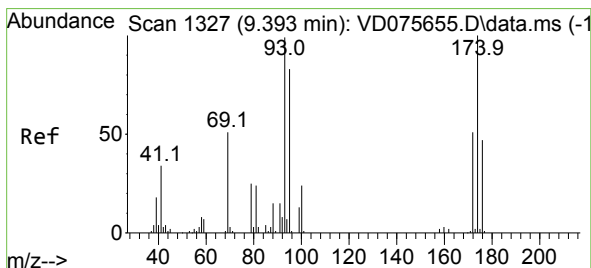
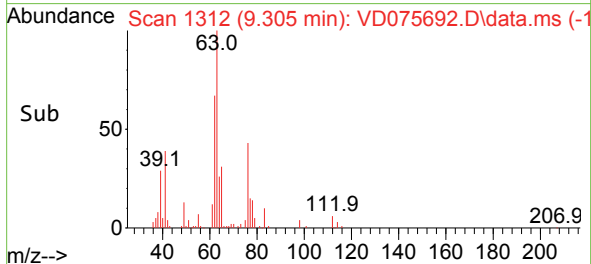
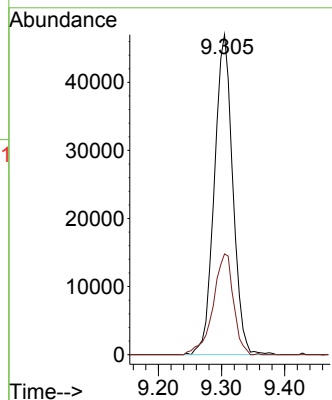
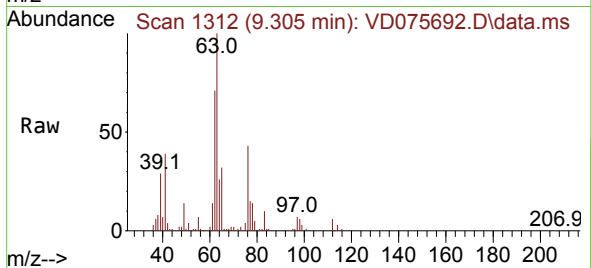
VSTDCCC050EC

Tgt Ion: 63 Resp: 95271

Ion Ratio Lower Upper

63 100

65 31.5 23.0 34.4



#46

Dibromomethane

Concen: 45.118 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

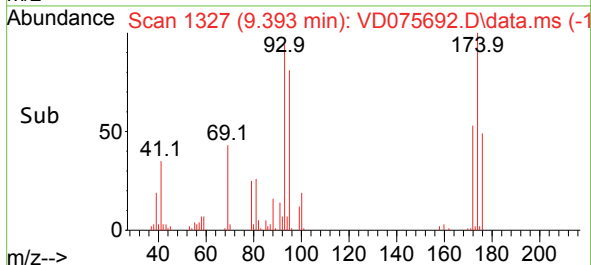
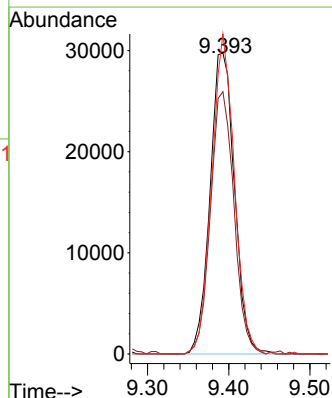
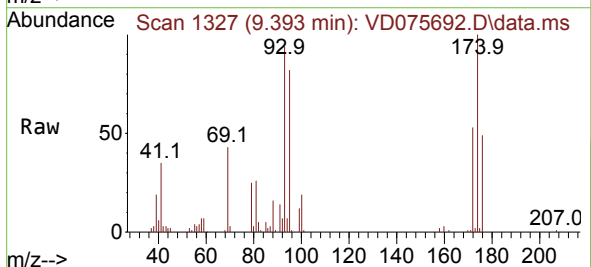
Tgt Ion: 93 Resp: 62217

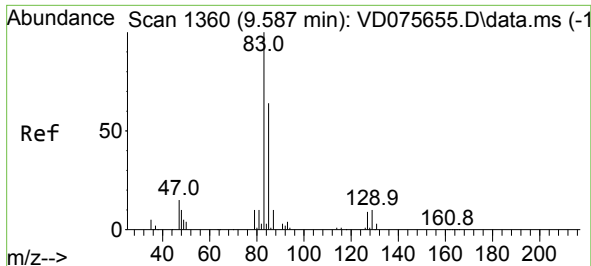
Ion Ratio Lower Upper

93 100

95 83.8 64.5 96.7

174 98.5 76.2 114.4

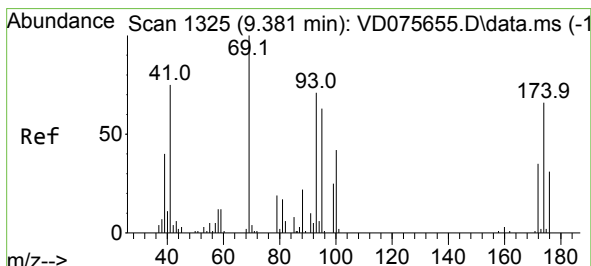
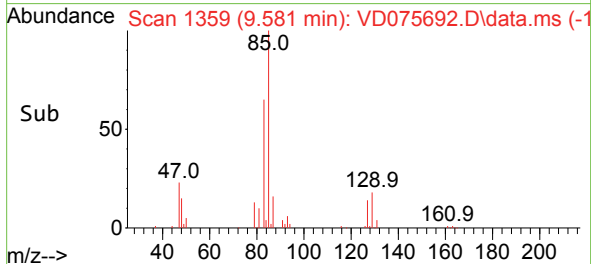
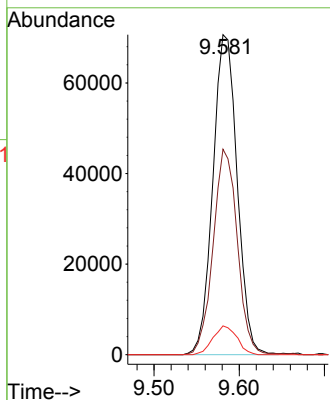
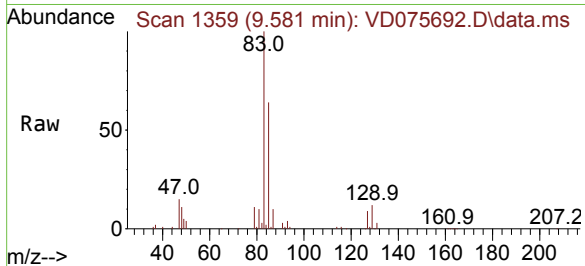




#47  
Bromodichloromethane  
Concen: 44.457 ug/l  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

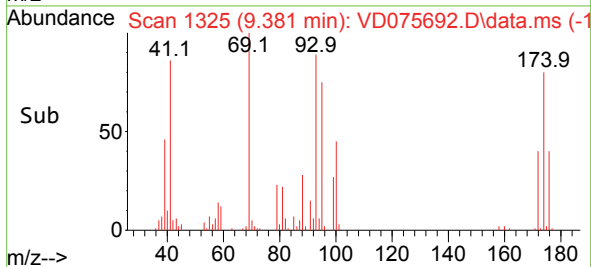
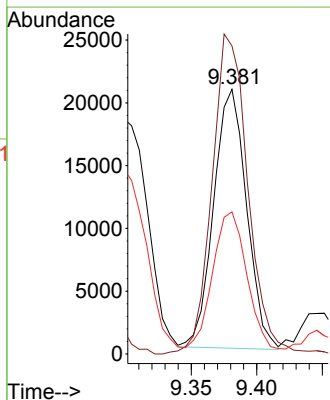
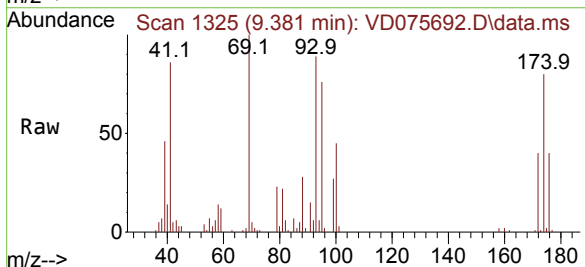
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

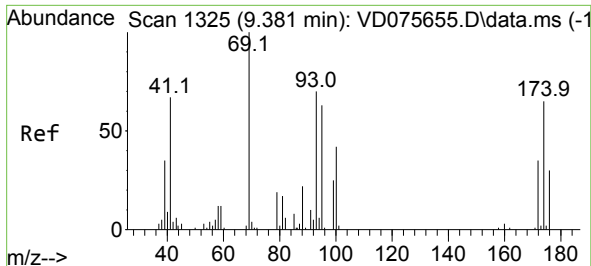
Tgt Ion: 83 Resp: 140235  
Ion Ratio Lower Upper  
83 100  
85 64.2 53.7 80.5  
127 9.0 7.0 10.6



#48  
Methyl methacrylate  
Concen: 46.671 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 41 Resp: 36004  
Ion Ratio Lower Upper  
41 100  
69 134.7 58.6 88.0#  
39 55.2 53.4 80.0





#49

1,4-Dioxane

Concen: 1032.927 ug/l

RT: 9.381 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

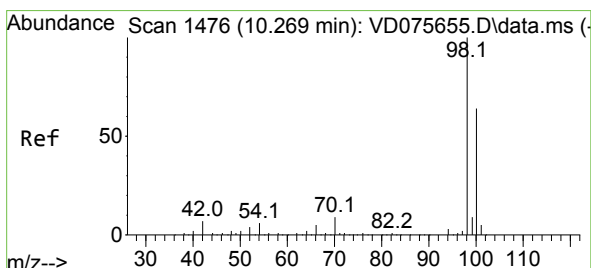
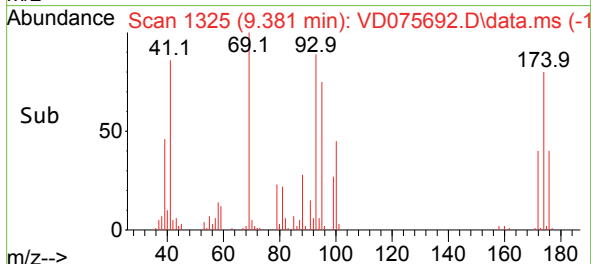
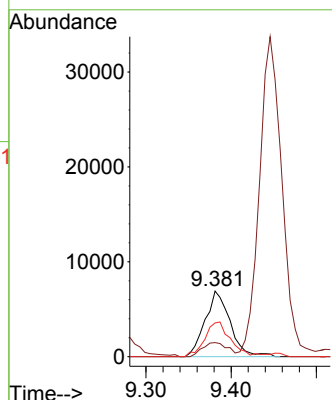
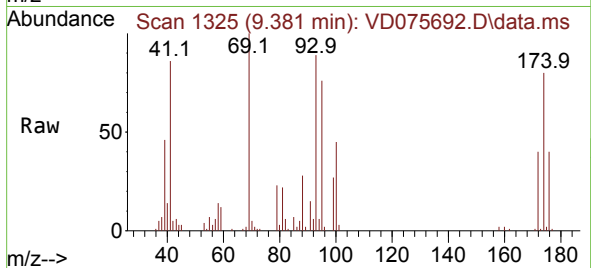
Tgt Ion: 88 Resp: 14132

Ion Ratio Lower Upper

88 100

43 21.7 34.6 51.8#

58 54.5 58.0 87.0#



#50

Toluene-d8

Concen: 50.184 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075692.D

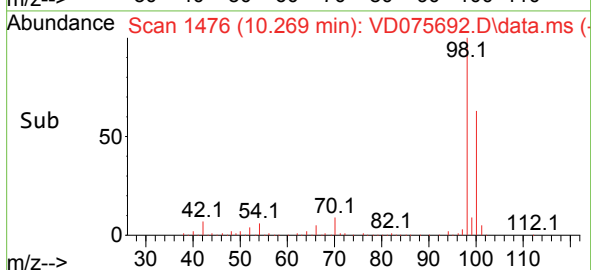
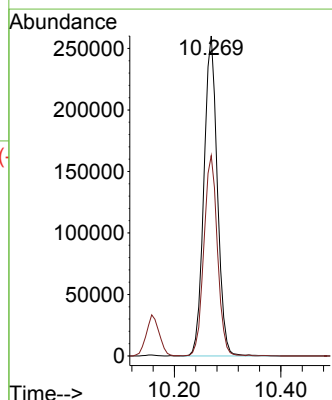
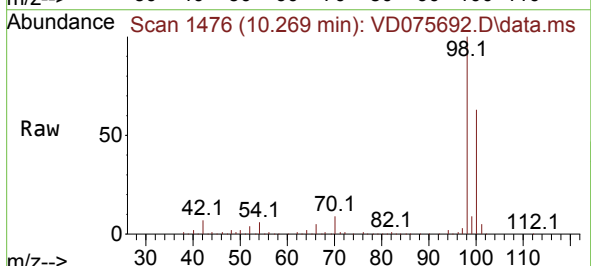
Acq: 14 Apr 2023 21:36

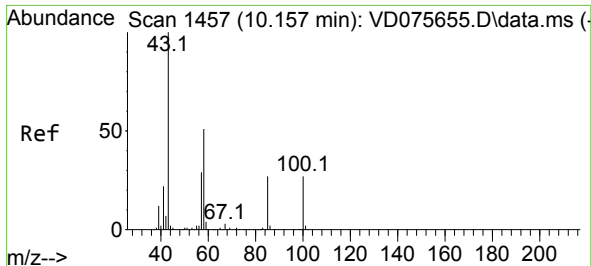
Tgt Ion: 98 Resp: 454532

Ion Ratio Lower Upper

98 100

100 63.1 52.1 78.1

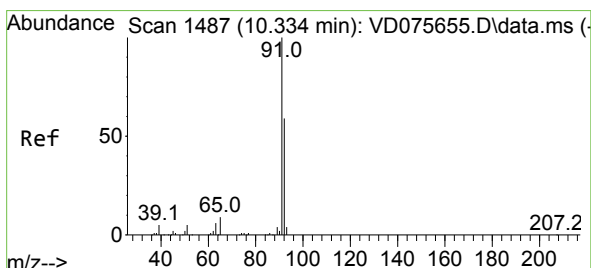
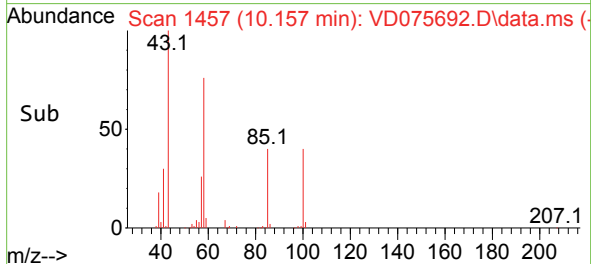
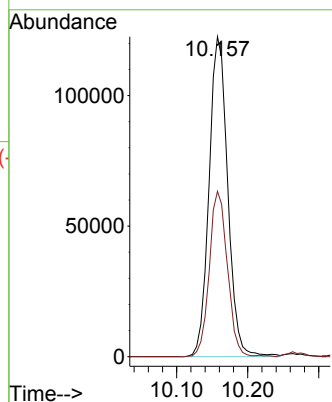
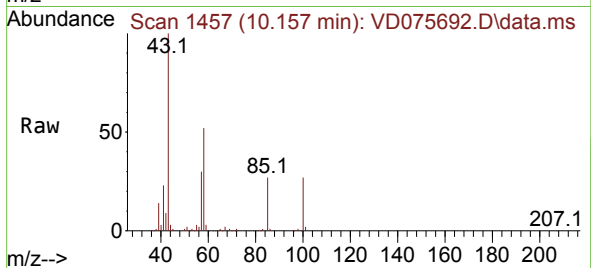




#51  
4-Methyl-2-Pentanone  
Concen: 242.558 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

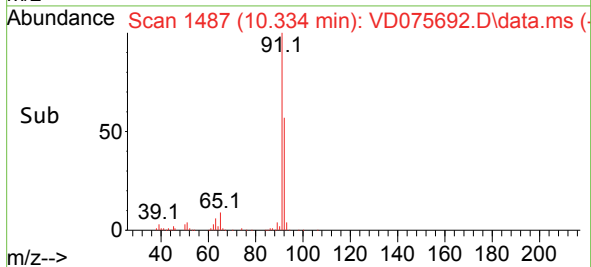
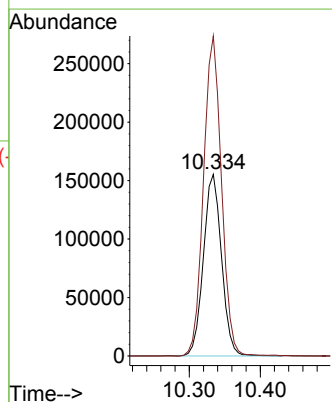
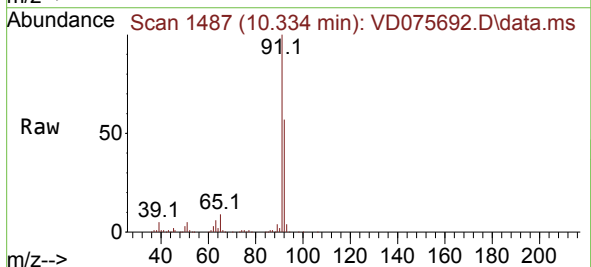
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

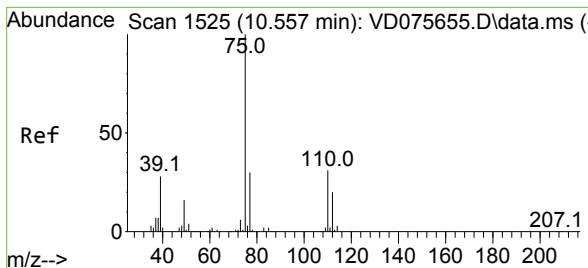
Tgt Ion: 43 Resp: 223933  
Ion Ratio Lower Upper  
43 100  
58 49.9 29.5 44.3#



#52  
Toluene  
Concen: 42.720 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 92 Resp: 275542  
Ion Ratio Lower Upper  
92 100  
91 174.9 136.5 204.7

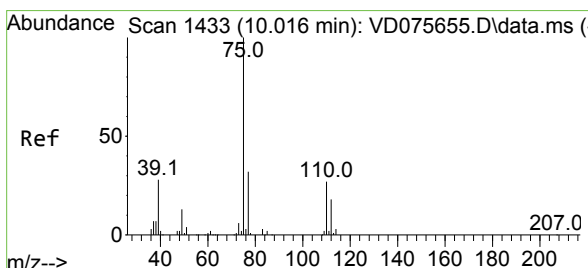
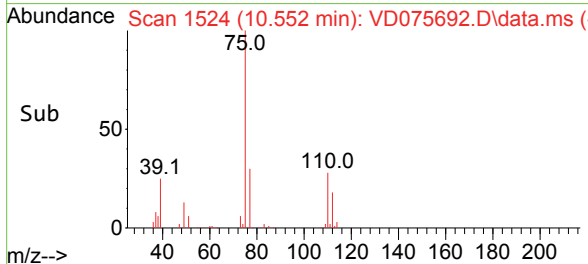
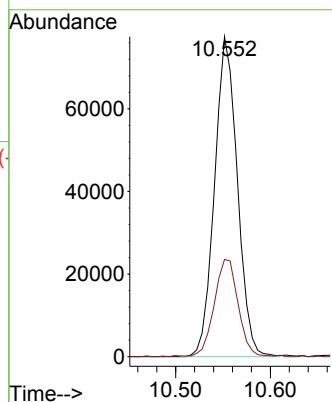
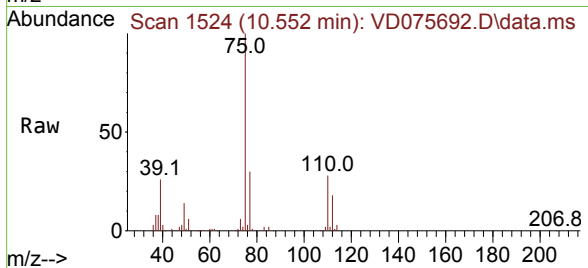




#53  
 t-1,3-Dichloropropene  
 Concen: 42.846 ug/l  
 RT: 10.552 min Scan# 11  
 Delta R.T. -0.005 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

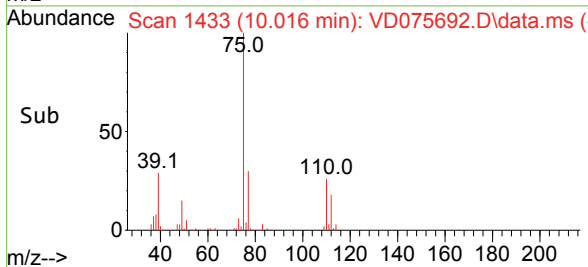
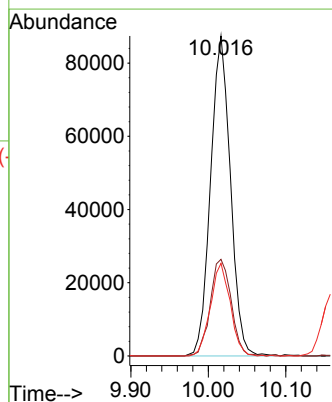
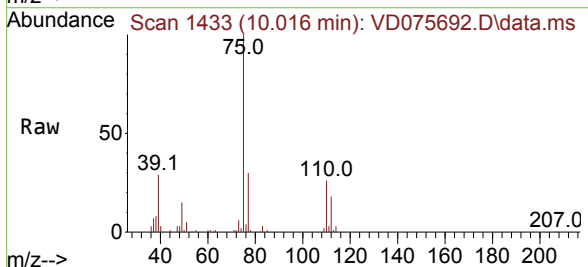
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

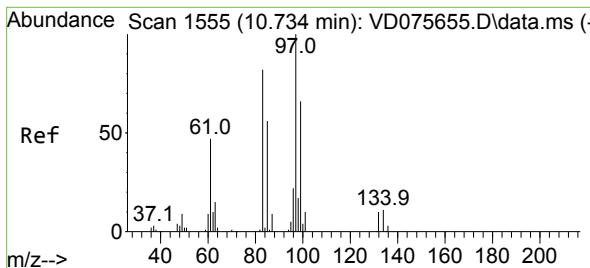
Tgt Ion: 75 Resp: 129556  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 26.3 39.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 43.317 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

Tgt Ion: 75 Resp: 155626  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 25.6 38.4  
 39 28.9 44.8 67.2#





#55

1,1,2-Trichloroethane

Concen: 43.977 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 87807

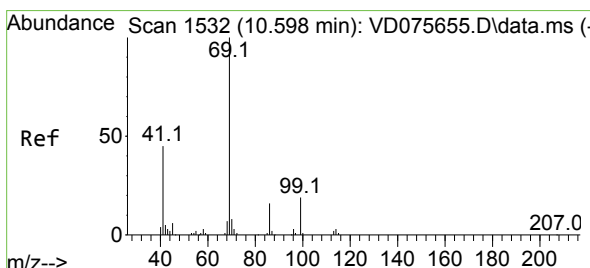
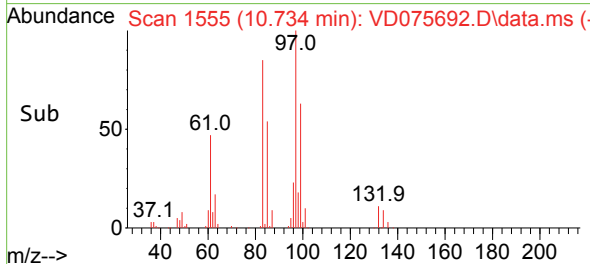
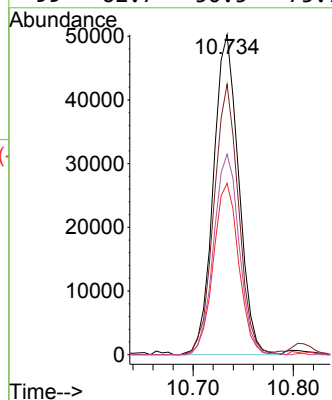
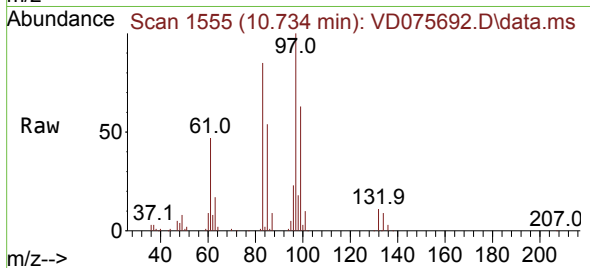
Ion Ratio Lower Upper

97 100

83 84.5 74.2 111.4

85 53.6 45.4 68.0

99 62.7 50.5 75.7



#56

Ethyl methacrylate

Concen: 46.876 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.001 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

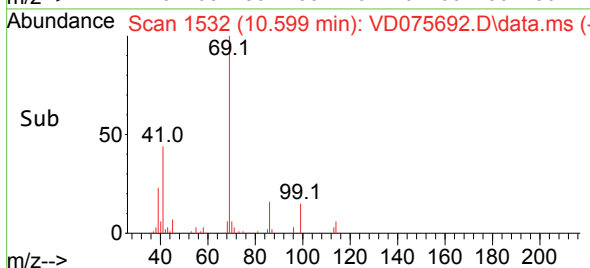
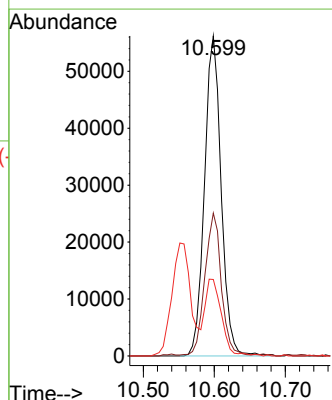
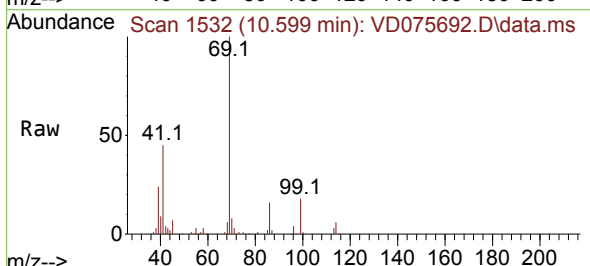
Tgt Ion: 69 Resp: 92109

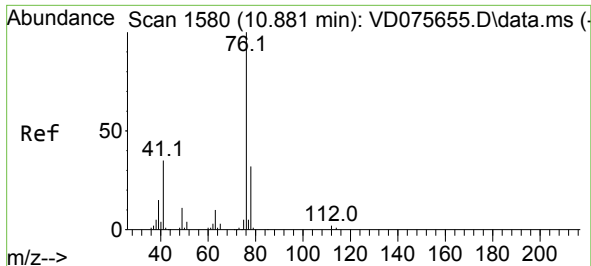
Ion Ratio Lower Upper

69 100

41 43.1 59.3 88.9#

39 23.3 36.0 54.0#





#57

1,3-Dichloropropane

Concen: 44.886 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

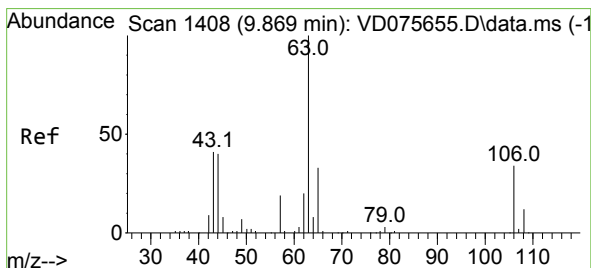
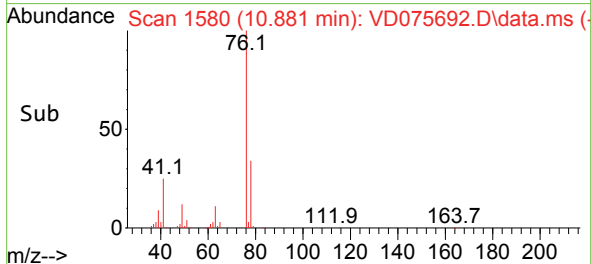
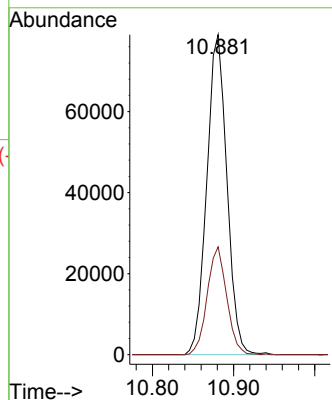
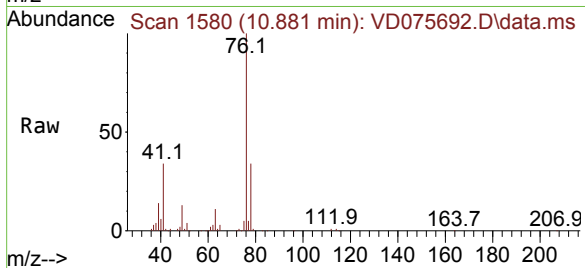
VSTDCCC050EC

Tgt Ion: 76 Resp: 136059

Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 299.462 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD075692.D

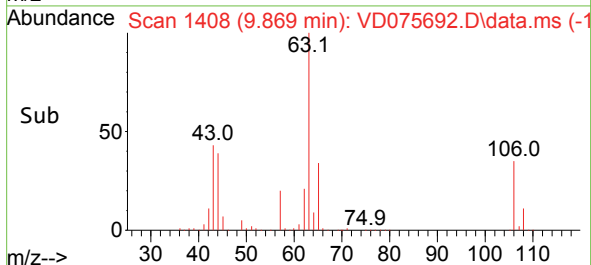
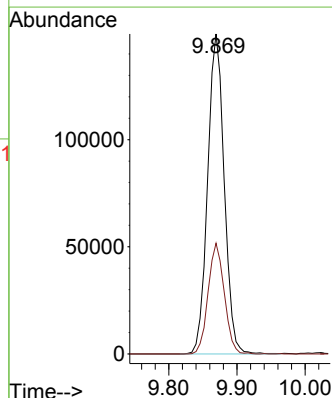
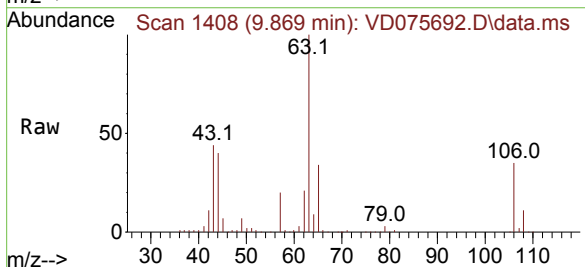
Acq: 14 Apr 2023 21:36

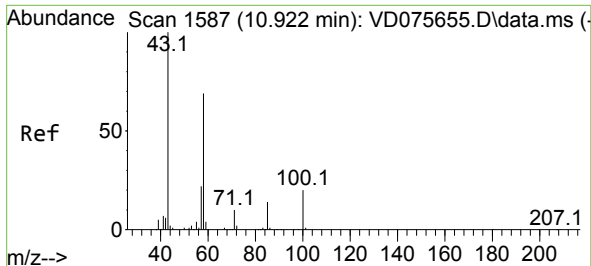
Tgt Ion: 63 Resp: 252709

Ion Ratio Lower Upper

63 100

106 33.8 21.4 32.2#

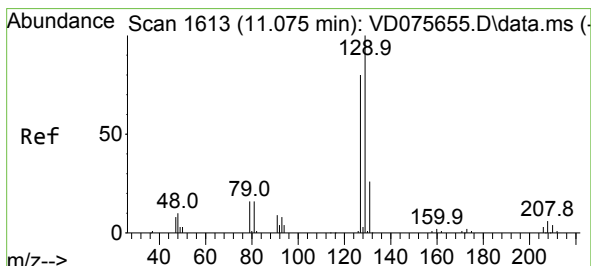
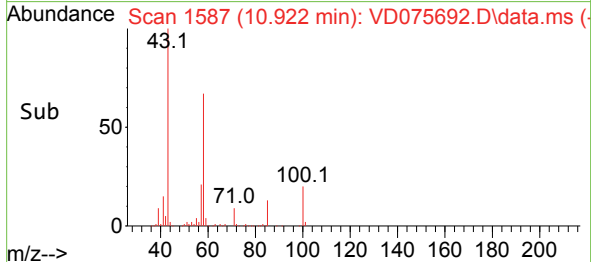
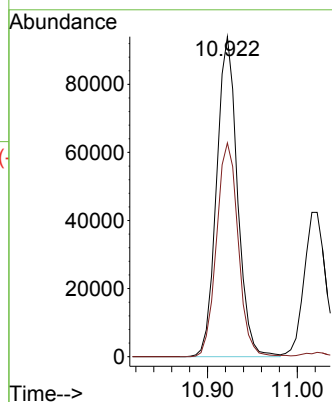
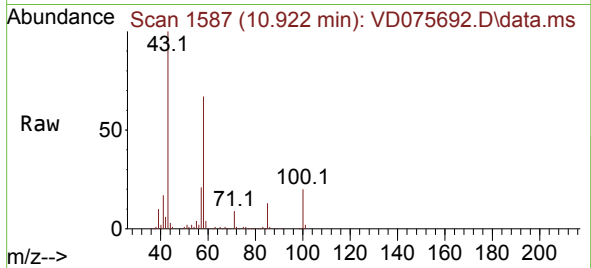




#59  
2-Hexanone  
Concen: 233.551 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

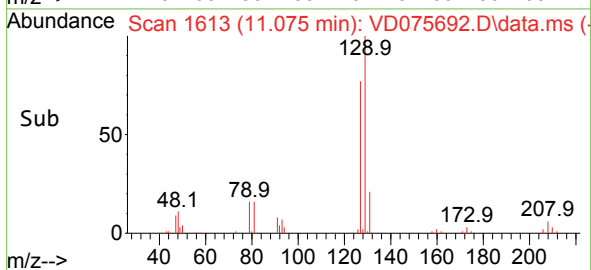
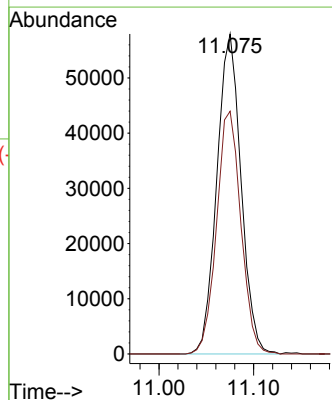
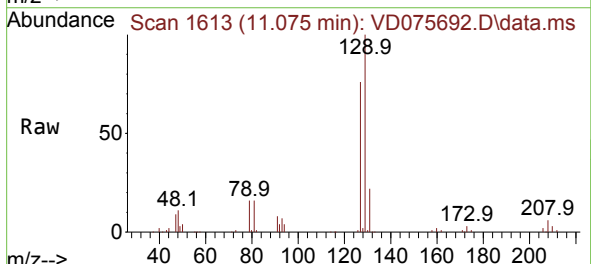
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

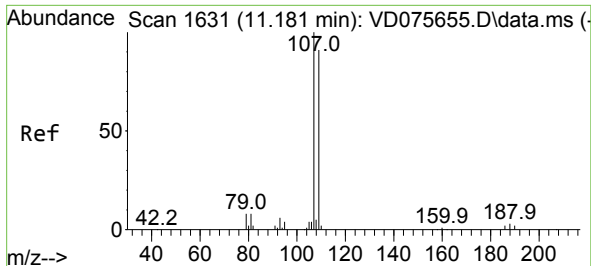
Tgt Ion: 43 Resp: 151605  
Ion Ratio Lower Upper  
43 100  
58 69.4 25.3 75.8



#60  
Dibromochloromethane  
Concen: 44.054 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 129 Resp: 102927  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.1 114.5

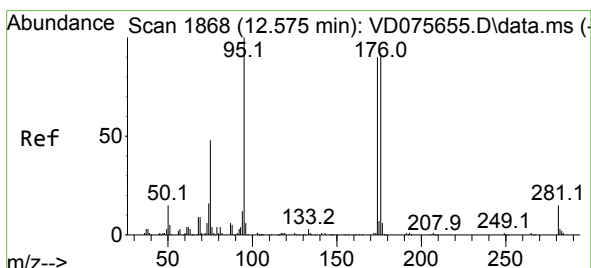
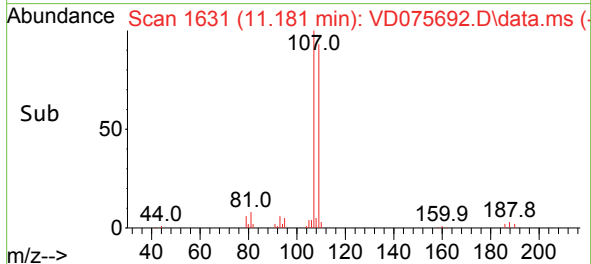
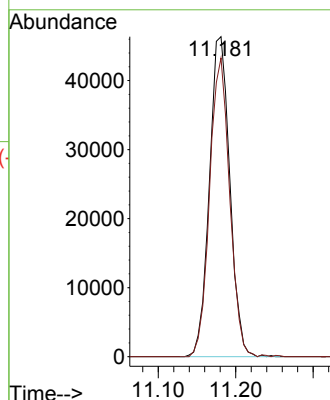
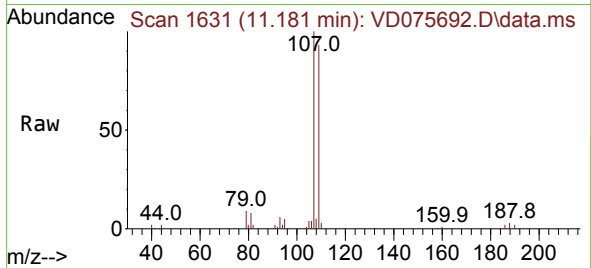




#61  
1,2-Dibromoethane  
Concen: 44.511 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

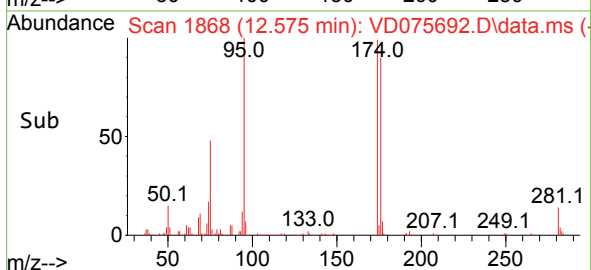
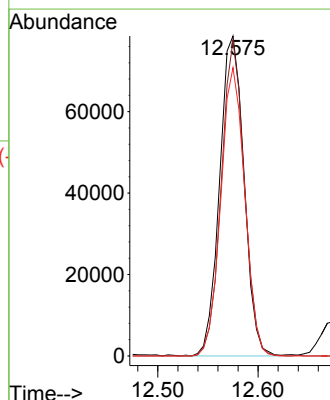
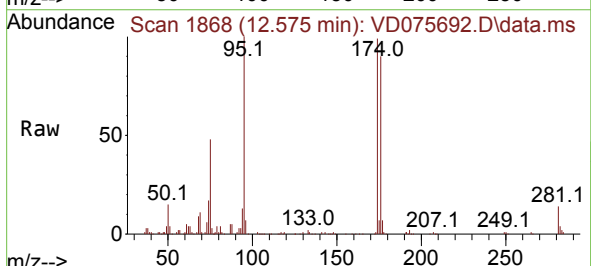
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

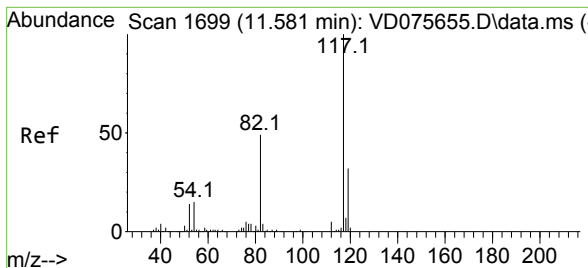
Tgt Ion:107 Resp: 84778  
Ion Ratio Lower Upper  
107 100  
109 91.7 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 54.987 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 95 Resp: 132376  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 164.0  
176 88.5 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

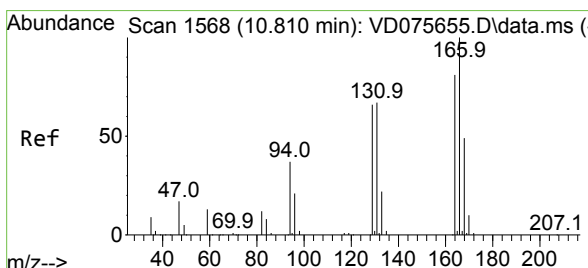
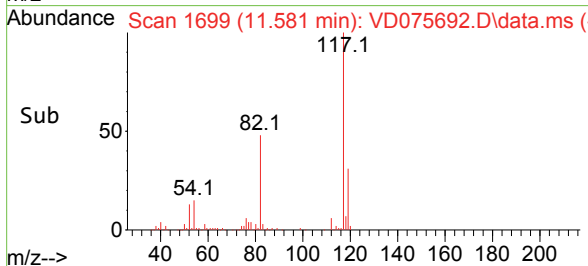
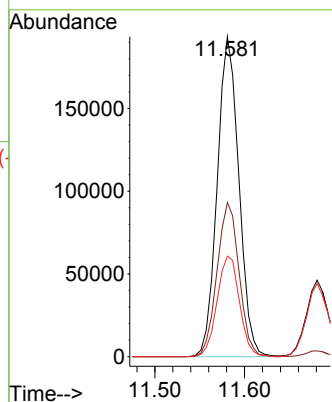
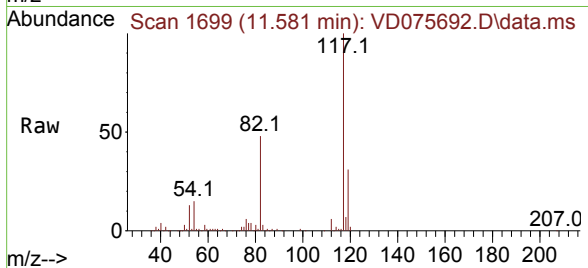
Tgt Ion:117 Resp: 324017

Ion Ratio Lower Upper

117 100

82 48.2 44.0 66.0

119 31.4 25.1 37.7



#64

Tetrachloroethene

Concen: 42.260 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Tgt Ion:164 Resp: 98615

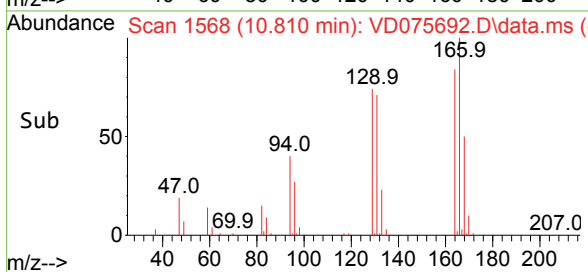
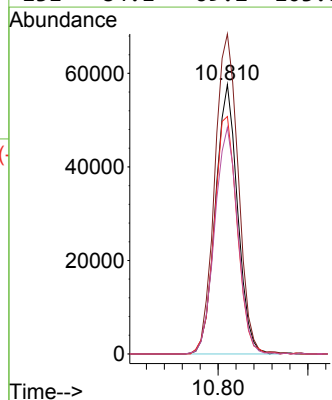
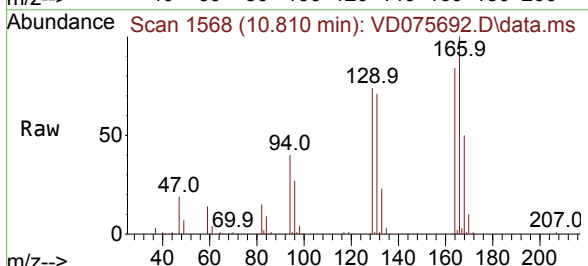
Ion Ratio Lower Upper

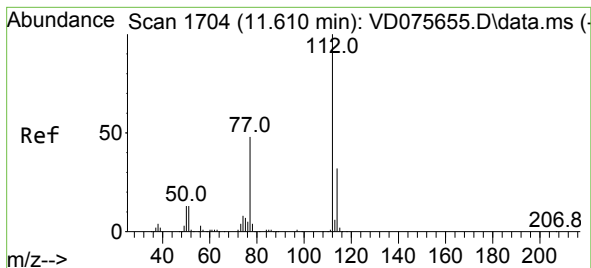
164 100

166 118.7 94.9 142.3

129 88.1 73.0 109.6

131 84.1 69.2 103.8

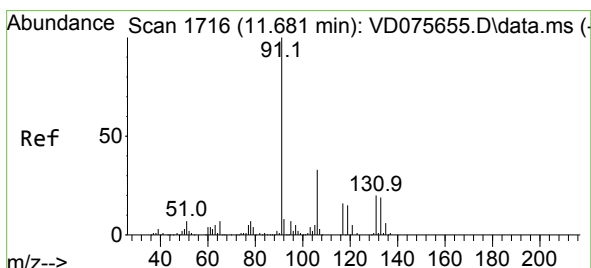
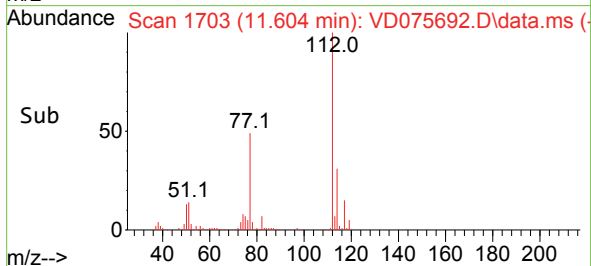
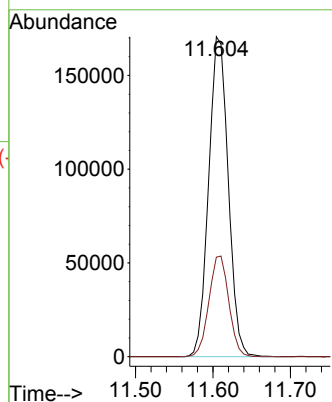
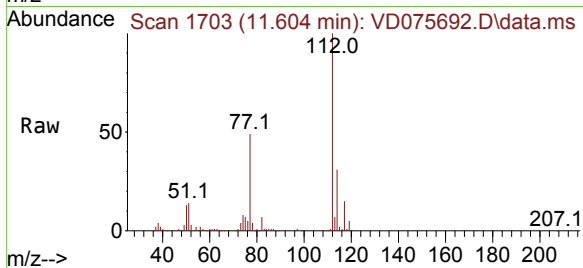




#65  
Chlorobenzene  
Concen: 43.186 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

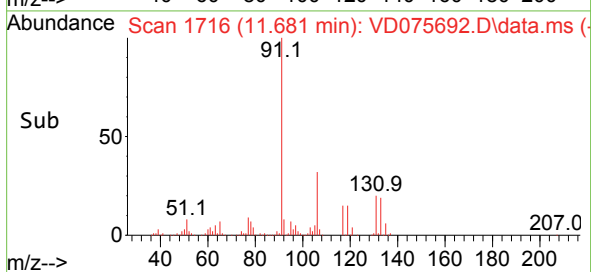
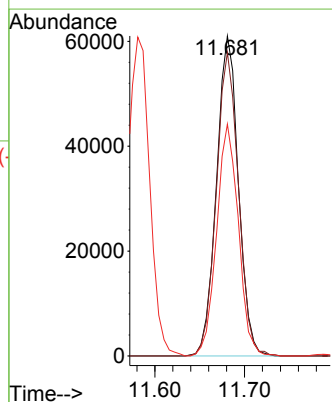
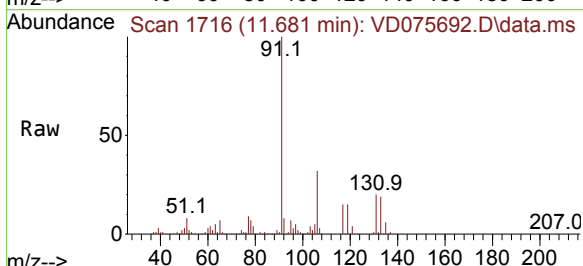
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

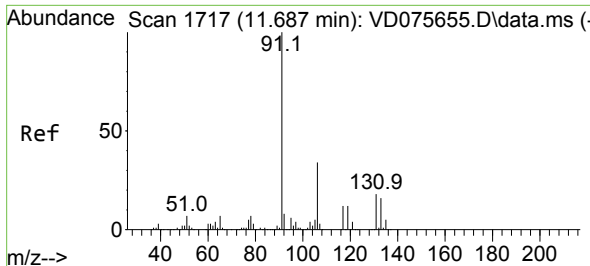
Tgt Ion:112 Resp: 299717  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 43.394 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:131 Resp: 103533  
Ion Ratio Lower Upper  
131 100  
133 95.9 46.7 140.0  
119 71.9 31.9 95.9

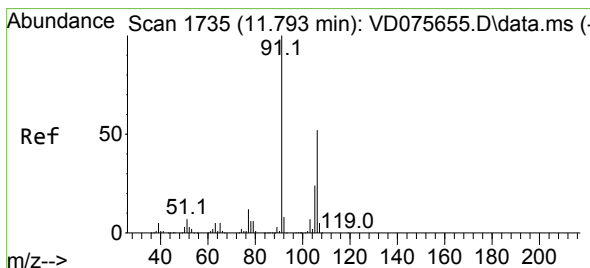
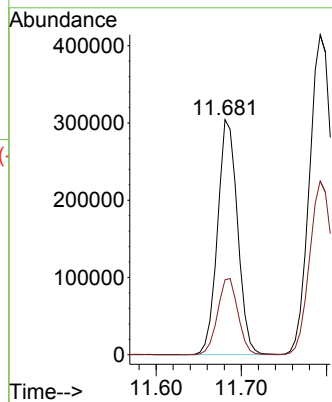
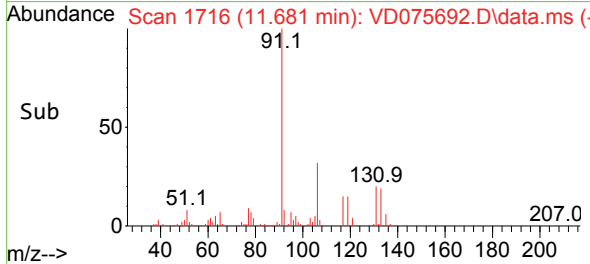
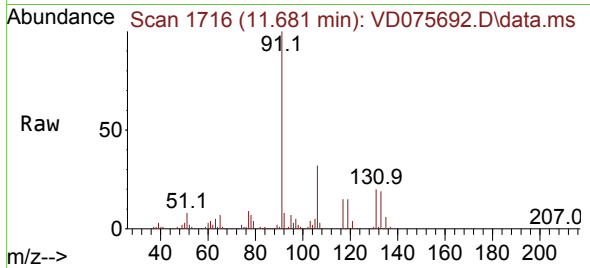




#67  
Ethyl Benzene  
Concen: 44.135 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

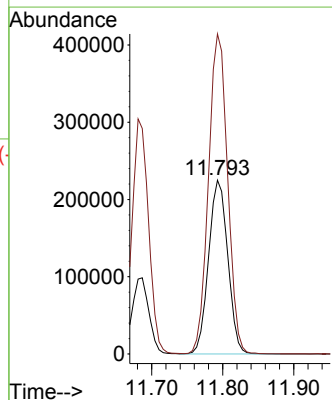
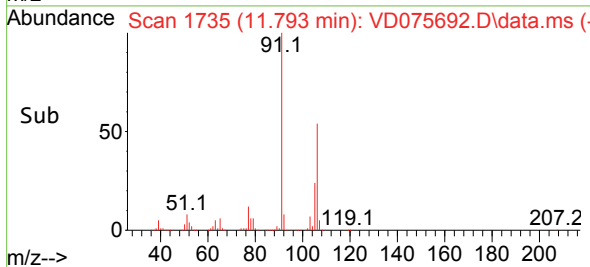
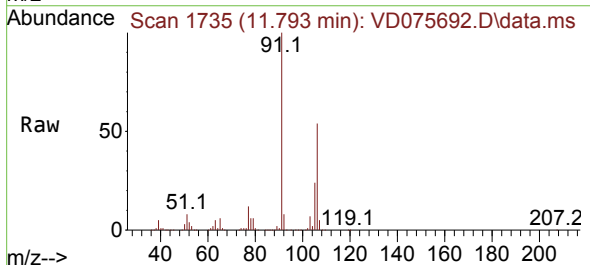
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

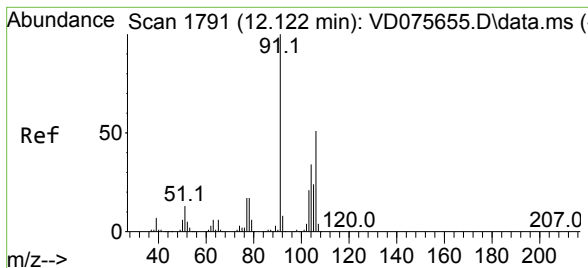
Tgt Ion: 91 Resp: 497103  
Ion Ratio Lower Upper  
91 100  
106 31.9 24.5 36.7



#68  
m/p-Xylenes  
Concen: 91.259 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 106 Resp: 421245  
Ion Ratio Lower Upper  
106 100  
91 183.7 161.5 242.3

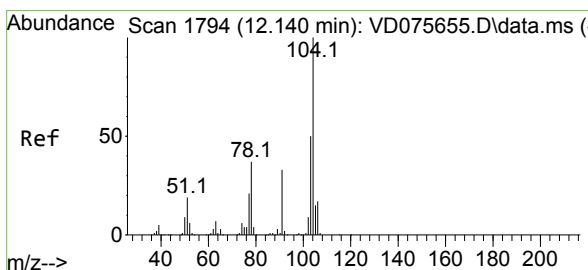
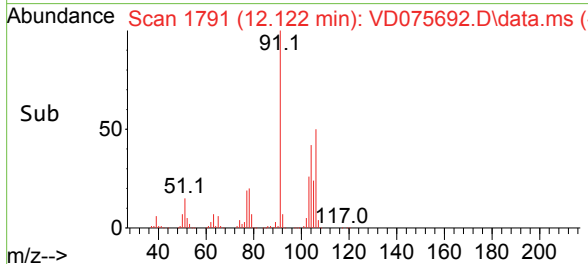
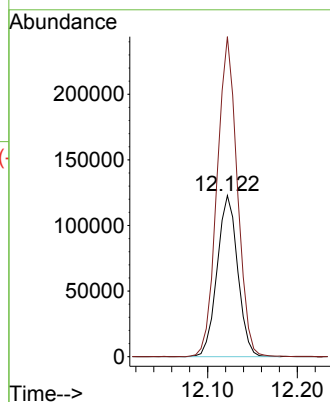
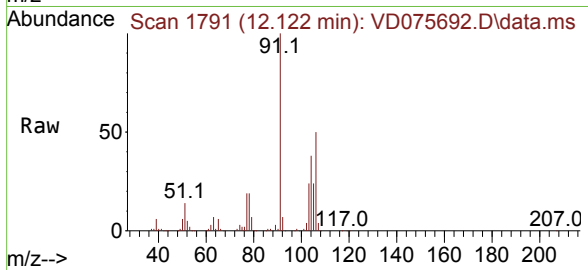




#69  
o-Xylene  
Concen: 46.787 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

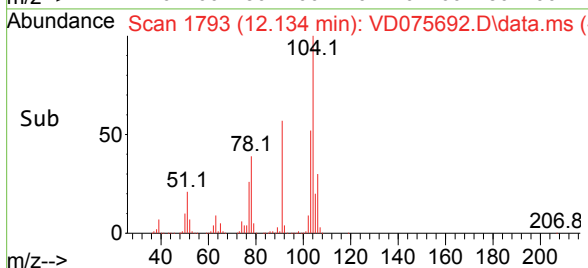
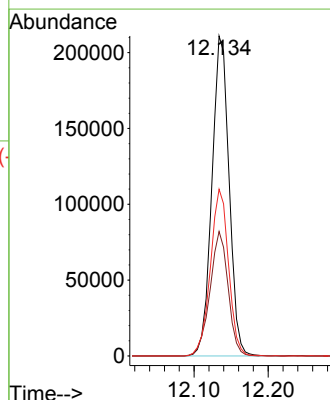
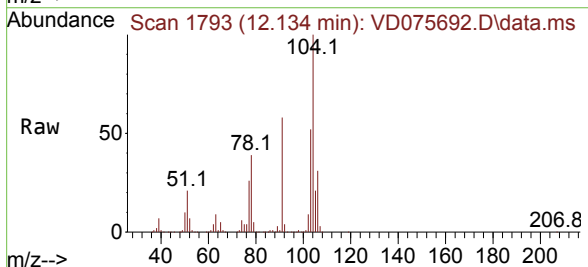
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

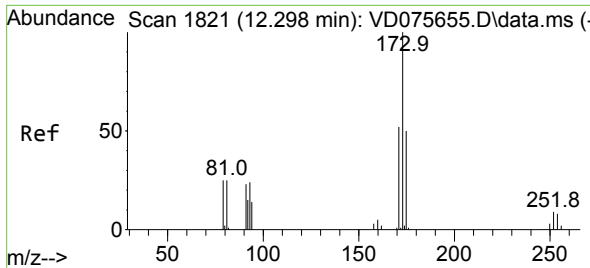
Tgt Ion:106 Resp: 195282  
Ion Ratio Lower Upper  
106 100  
91 196.0 105.7 317.1



#70  
Styrene  
Concen: 44.351 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:104 Resp: 339571  
Ion Ratio Lower Upper  
104 100  
78 41.0 40.2 60.4  
103 55.1 44.2 66.2

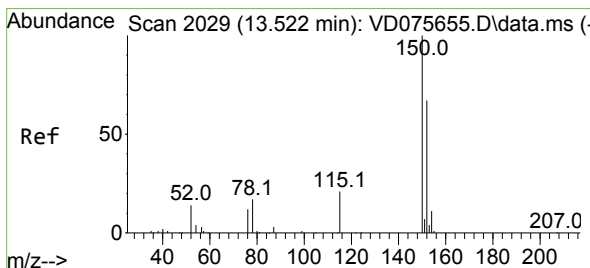
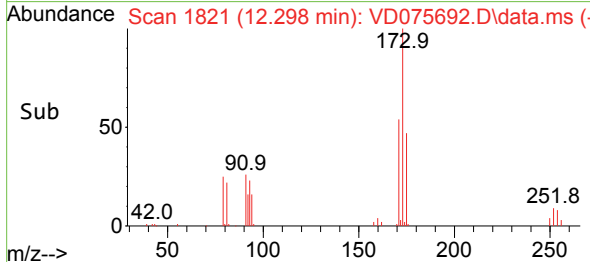
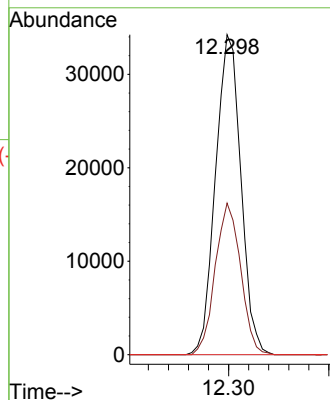
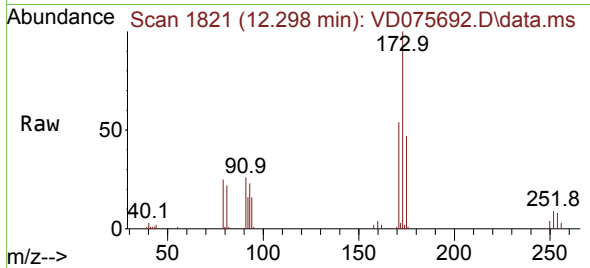




#71  
Bromoform  
Concen: 48.119 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

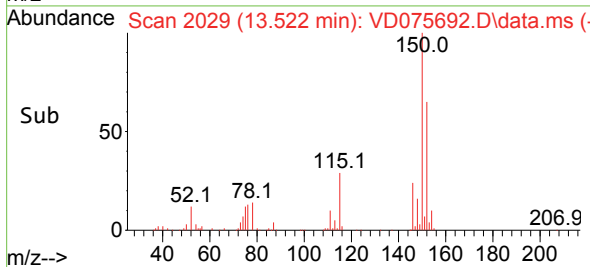
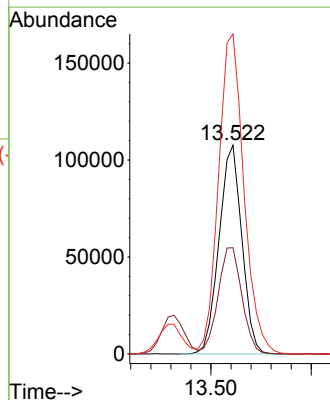
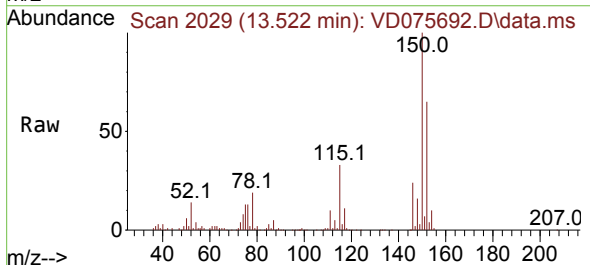
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

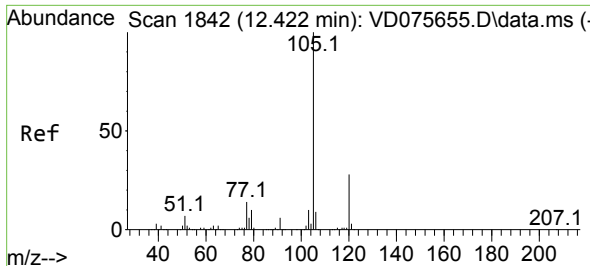
Tgt Ion:173 Resp: 60014  
Ion Ratio Lower Upper  
173 100  
175 47.5 23.5 70.5  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:152 Resp: 169964  
Ion Ratio Lower Upper  
152 100  
115 53.4 30.1 90.3  
150 170.5 0.0 364.8

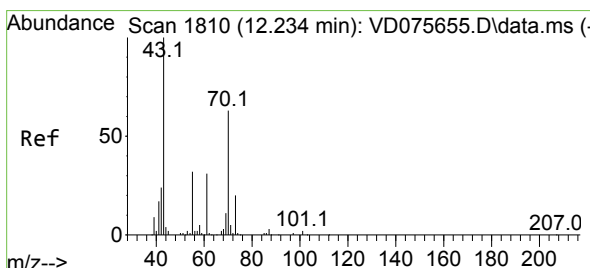
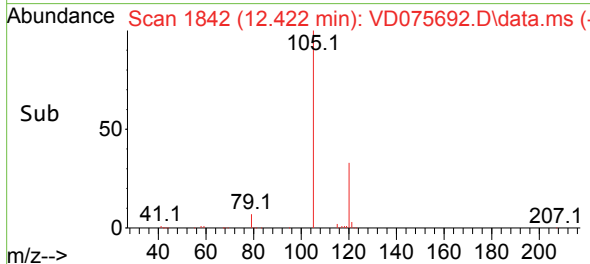
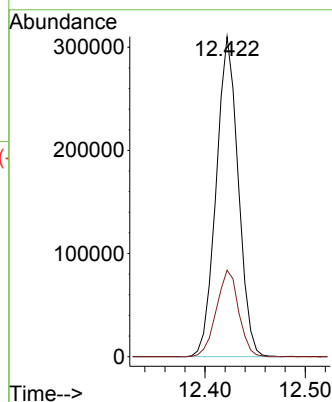
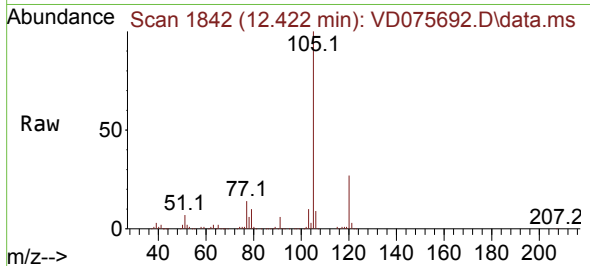




#73  
Isopropylbenzene  
Concen: 42.350 ug/l  
RT: 12.422 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

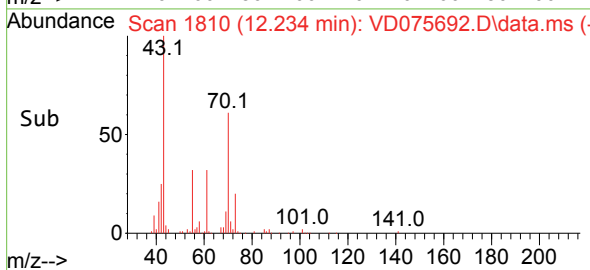
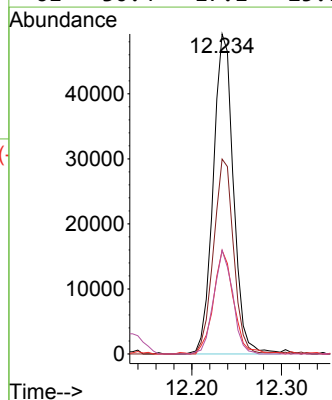
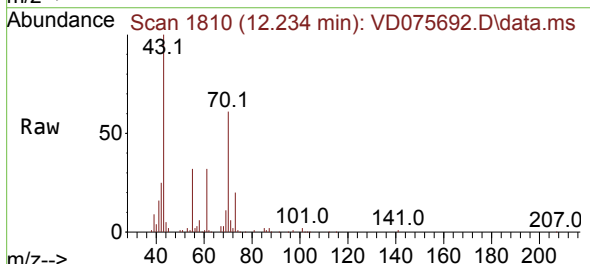
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

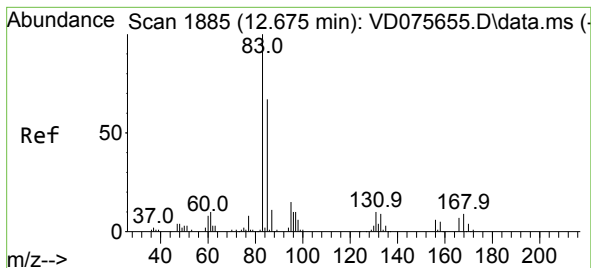
Tgt Ion:105 Resp: 472403  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.4 40.1



#74  
N-ethyl acetate  
Concen: 46.965 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 43 Resp: 76982  
Ion Ratio Lower Upper  
43 100  
70 60.9 31.0 46.4#  
55 32.3 18.6 28.0#  
61 30.4 17.1 25.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 45.071 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

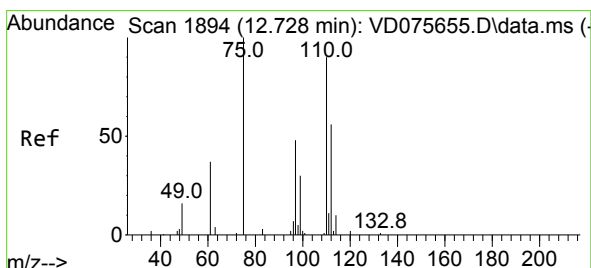
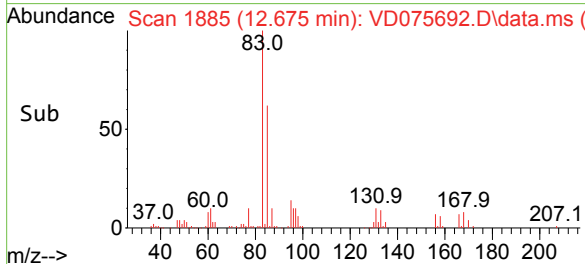
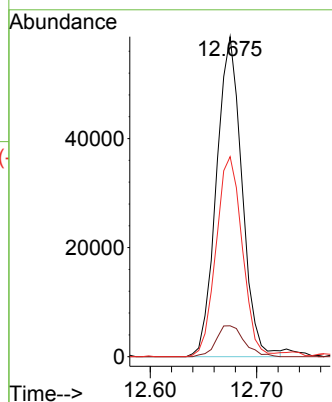
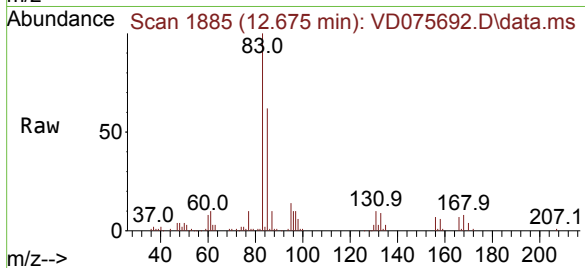
Tgt Ion: 83 Resp: 97662

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.2

85 64.2 33.6 100.6



#76

1,2,3-Trichloropropane

Concen: 79.412 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075692.D

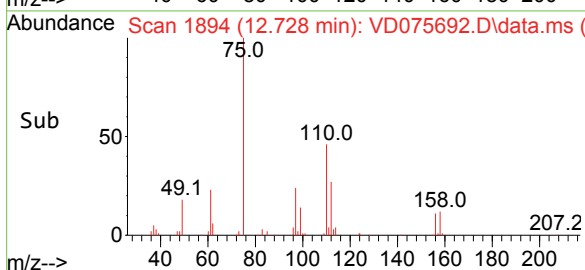
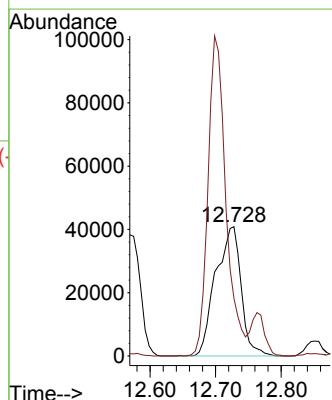
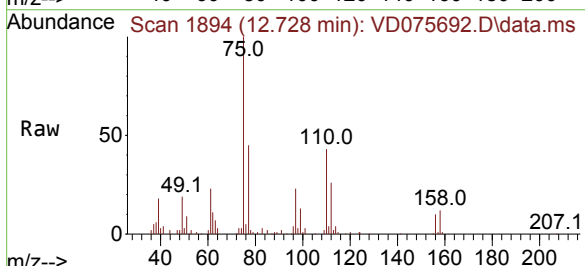
Acq: 14 Apr 2023 21:36

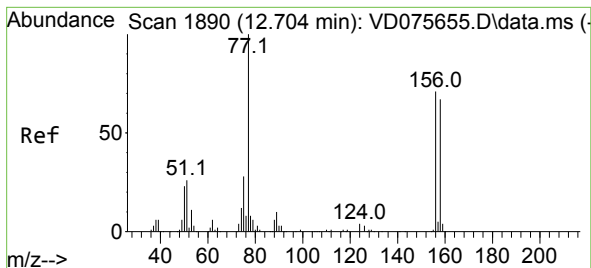
Tgt Ion: 75 Resp: 110069

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 42.579 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

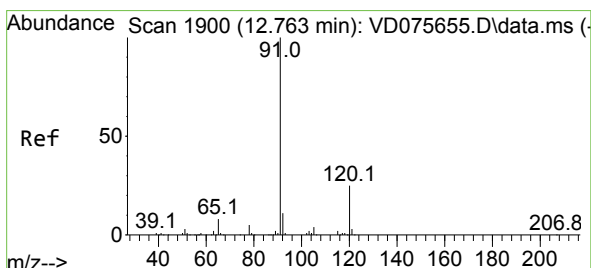
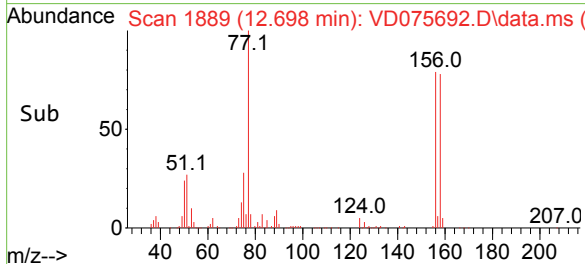
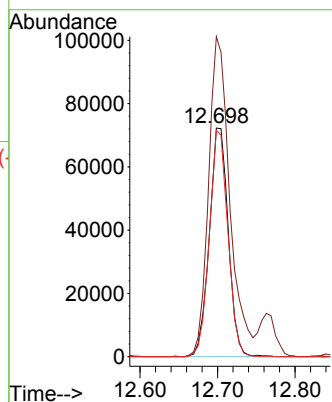
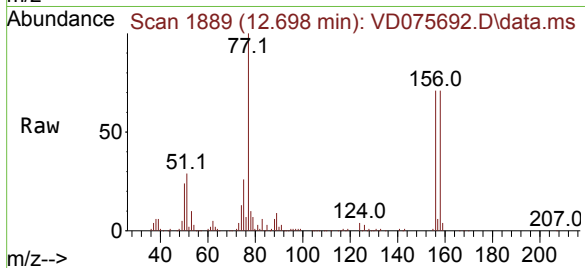
Tgt Ion:156 Resp: 122446

Ion Ratio Lower Upper

156 100

77 157.1 89.5 268.6

158 96.8 47.8 143.4



#78

n-propylbenzene

Concen: 42.198 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD075692.D

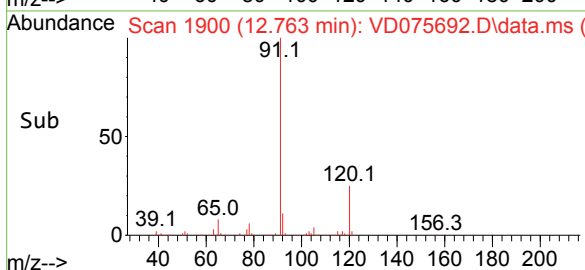
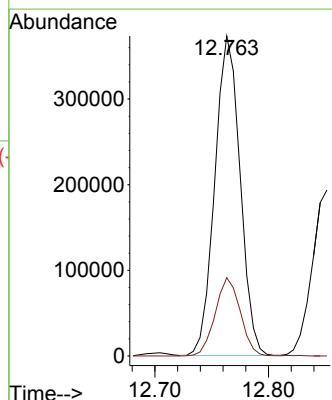
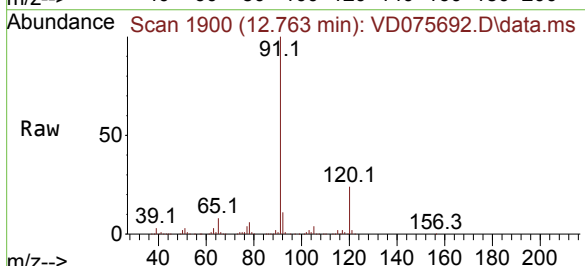
Acq: 14 Apr 2023 21:36

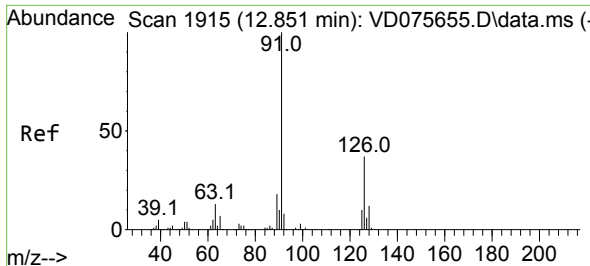
Tgt Ion: 91 Resp: 576982

Ion Ratio Lower Upper

91 100

120 24.3 11.4 34.2

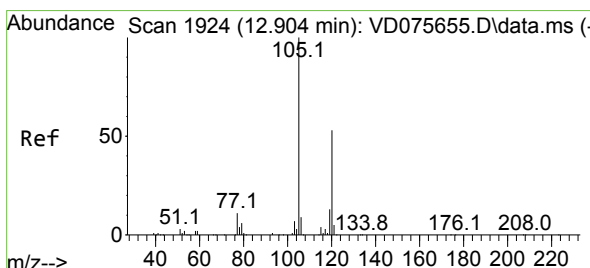
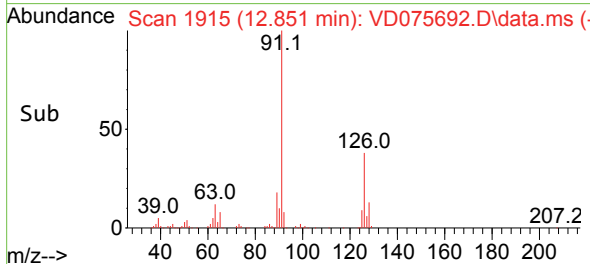
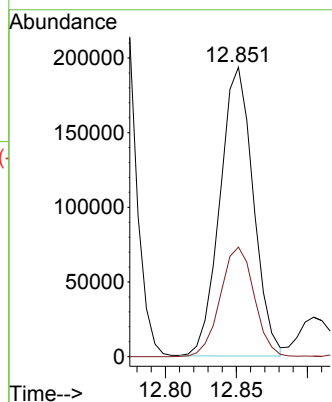
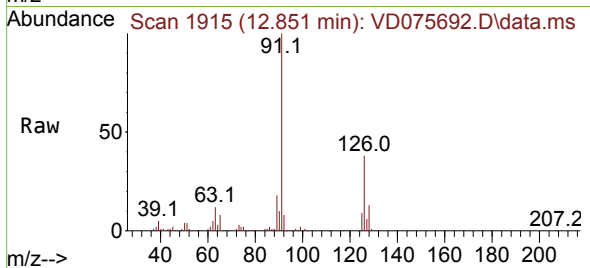




#79  
2-Chlorotoluene  
Concen: 40.822 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

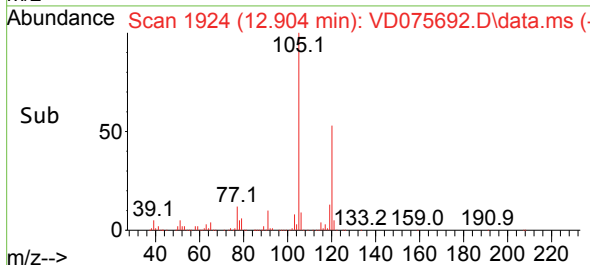
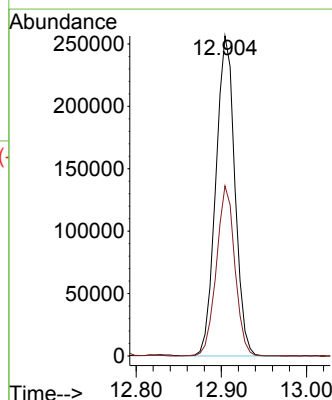
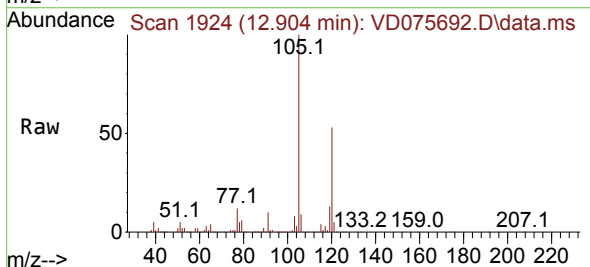
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

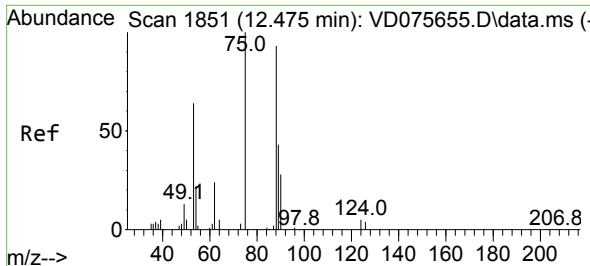
Tgt Ion: 91 Resp: 316578  
Ion Ratio Lower Upper  
91 100  
126 38.6 16.8 50.3



#80  
1,3,5-Trimethylbenzene  
Concen: 42.788 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 105 Resp: 397894  
Ion Ratio Lower Upper  
105 100  
120 51.5 24.3 72.8

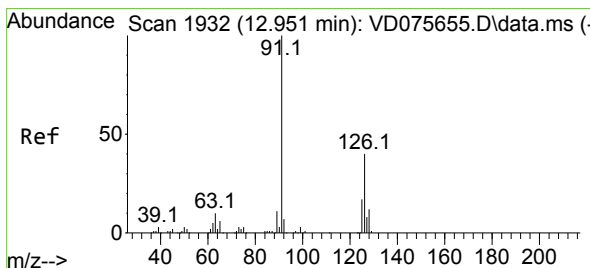
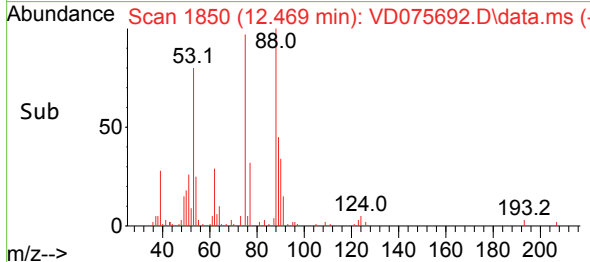
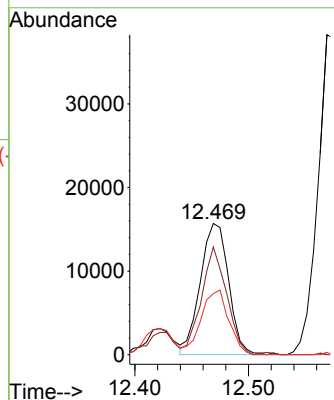
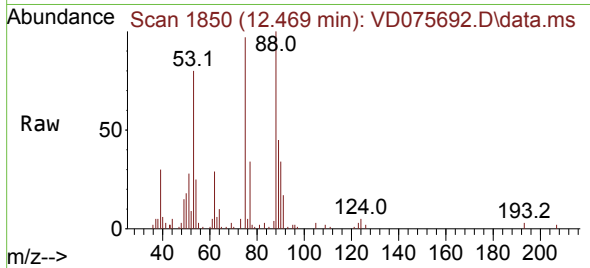




#81  
trans-1,4-Dichloro-2-butene  
Concen: 42.595 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

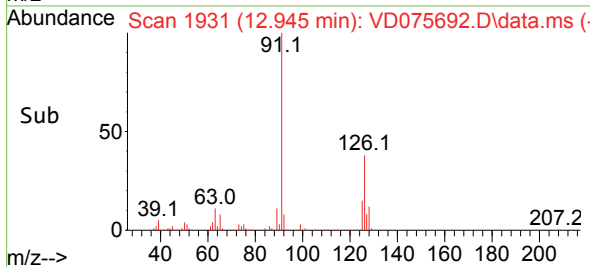
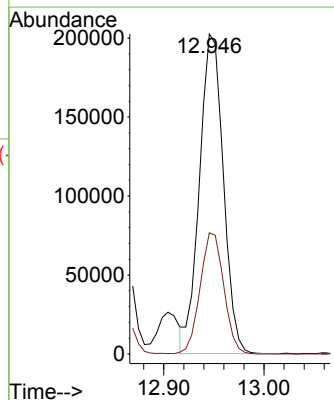
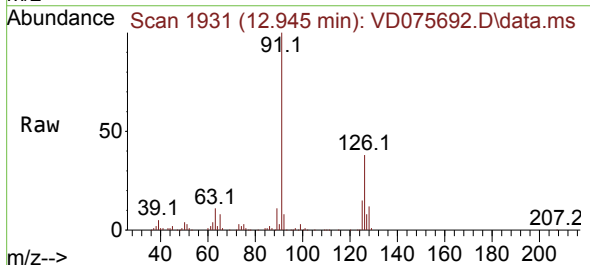
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

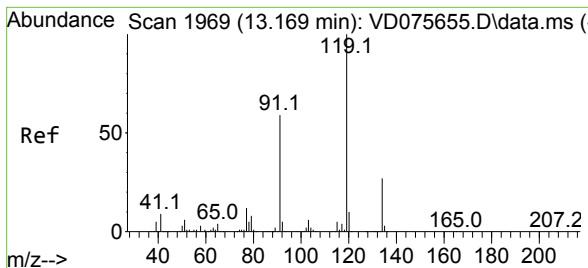
Tgt Ion: 75 Resp: 27239  
Ion Ratio Lower Upper  
75 100  
53 73.1 90.5 135.7#  
89 48.0 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 41.583 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 91 Resp: 335322  
Ion Ratio Lower Upper  
91 100  
126 37.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 42.641 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

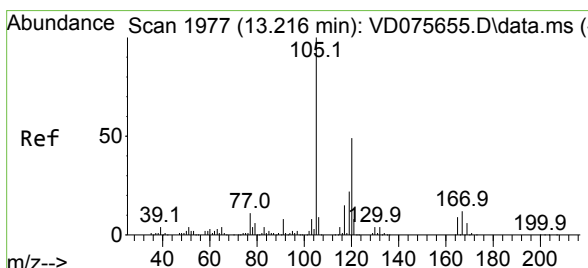
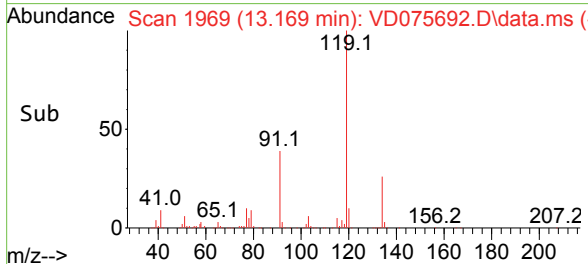
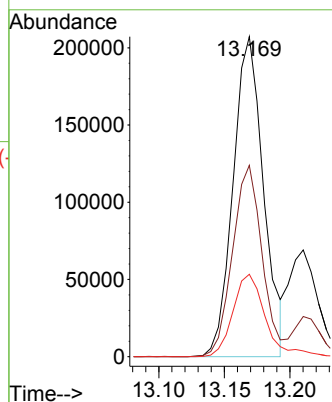
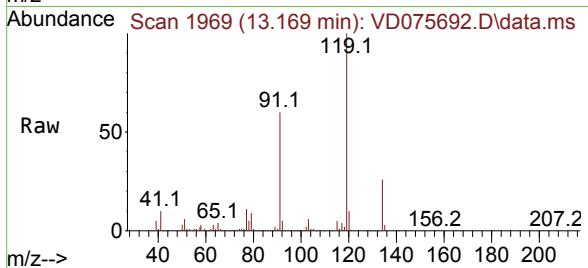
Tgt Ion:119 Resp: 334342

Ion Ratio Lower Upper

119 100

91 57.7 32.4 97.0

134 27.6 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 43.347 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.006 min

Lab File: VD075692.D

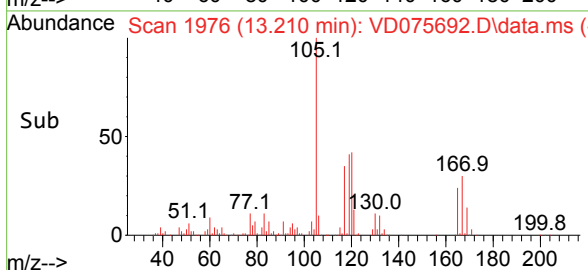
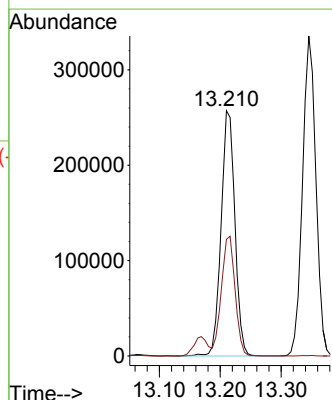
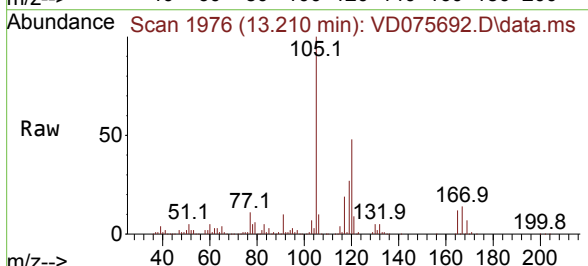
Acq: 14 Apr 2023 21:36

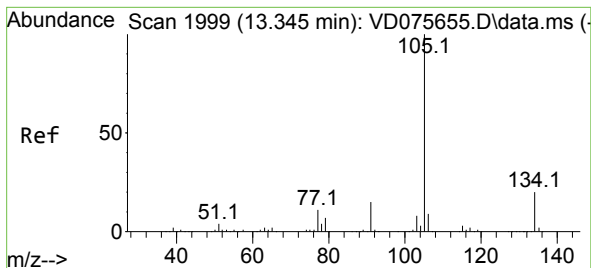
Tgt Ion:105 Resp: 404477

Ion Ratio Lower Upper

105 100

120 48.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 42.197 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

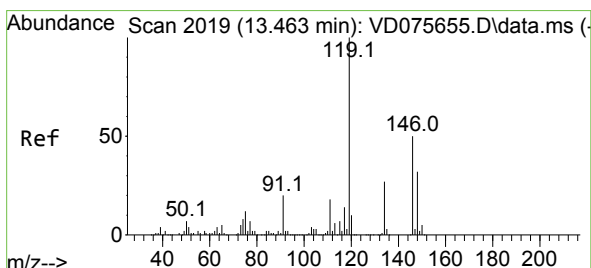
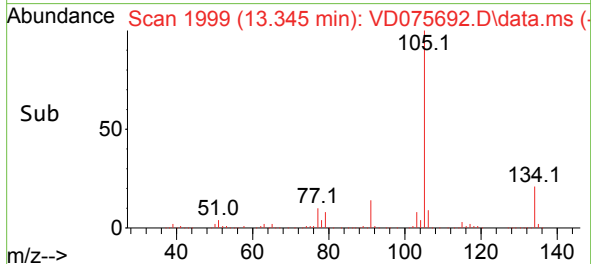
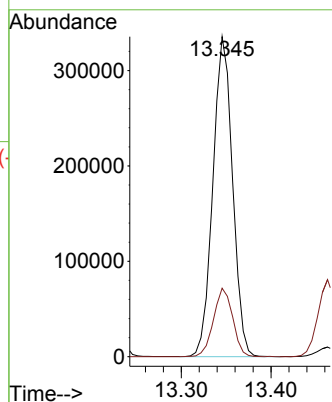
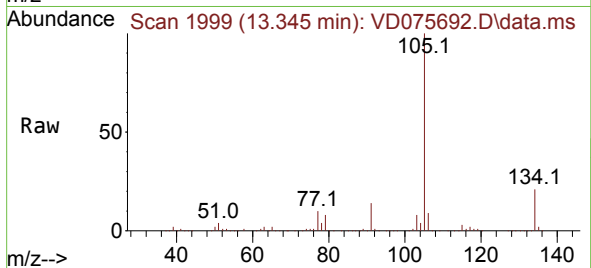
VSTDCCC050EC

Tgt Ion:105 Resp: 510418

Ion Ratio Lower Upper

105 100

134 20.9 9.9 29.7



#86

p-Isopropyltoluene

Concen: 42.913 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

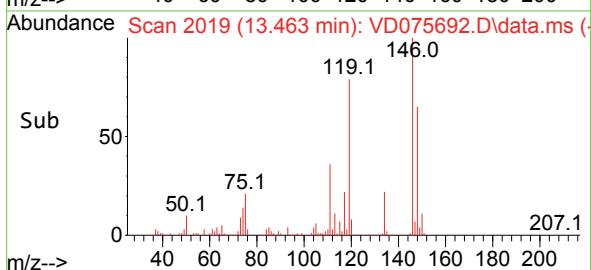
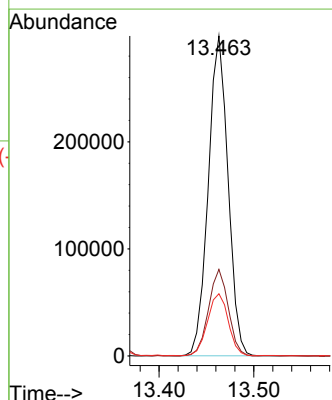
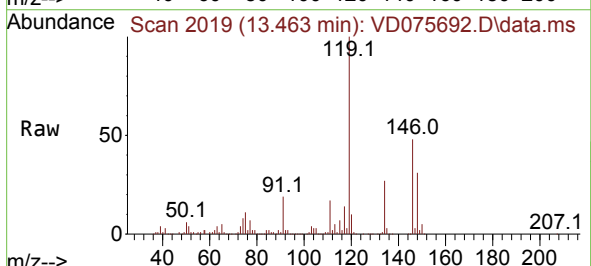
Tgt Ion:119 Resp: 432139

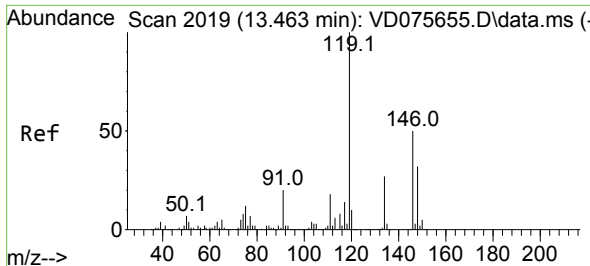
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 20.3 12.4 37.4

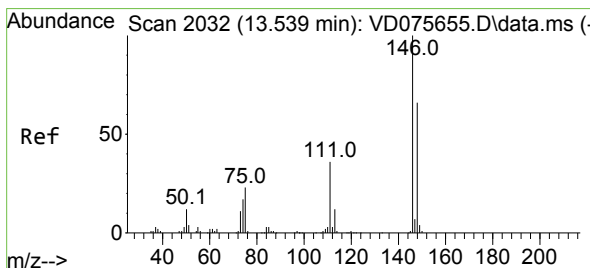
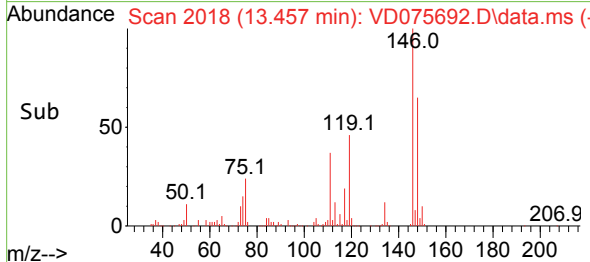
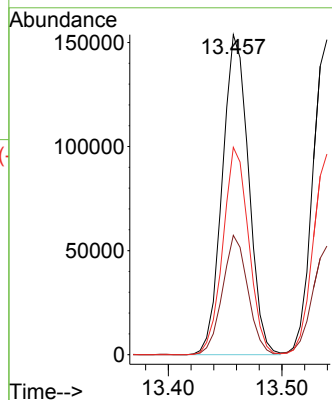
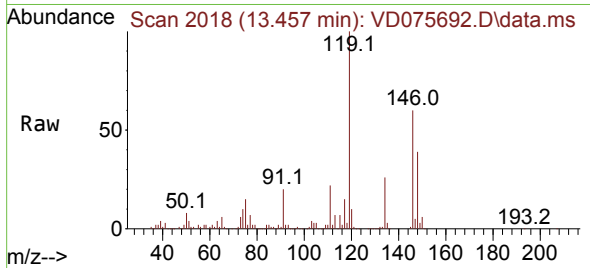




#87  
1,3-Dichlorobenzene  
Concen: 41.311 ug/l  
RT: 13.457 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

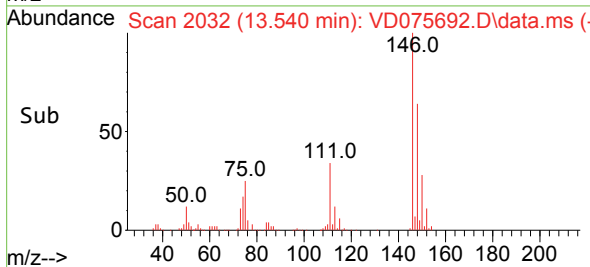
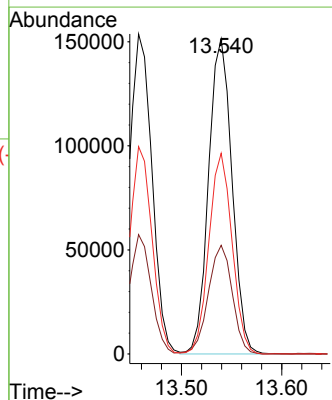
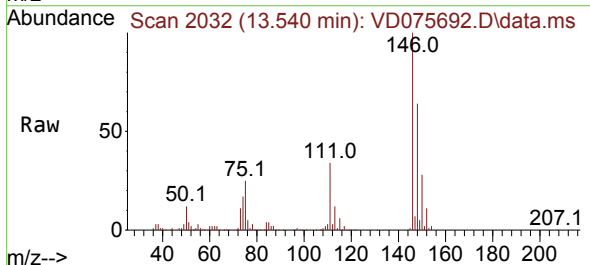
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

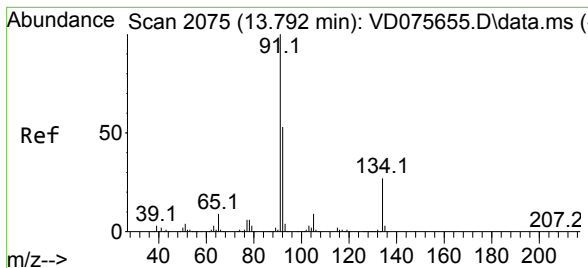
Tgt Ion:146 Resp: 247144  
Ion Ratio Lower Upper  
146 100  
111 36.0 19.8 59.3  
148 63.6 31.0 93.0



#88  
1,4-Dichlorobenzene  
Concen: 41.553 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.001 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:146 Resp: 245593  
Ion Ratio Lower Upper  
146 100  
111 35.3 19.6 58.8  
148 63.0 31.7 95.1





#89

n-Butylbenzene

Concen: 41.900 ug/l

RT: 13.787 min Scan# 2075

Delta R.T. -0.005 min

Lab File: VD075692.D

Acq: 14 Apr 2023 21:36

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

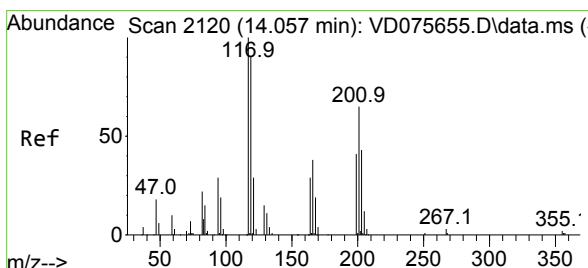
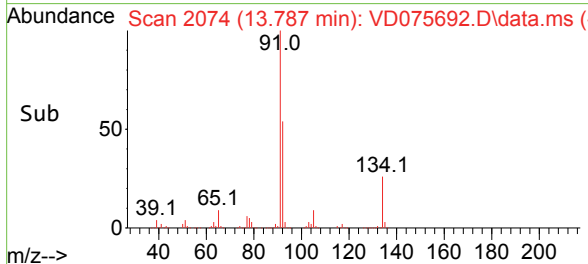
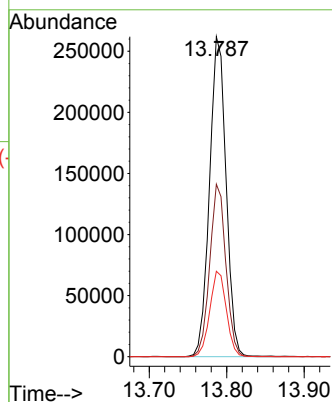
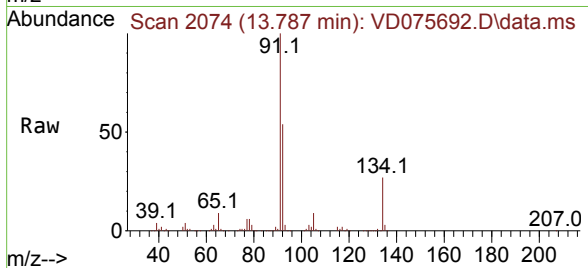
Tgt Ion: 91 Resp: 388658

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.5

134 26.6 12.7 38.0



#90

Hexachloroethane

Concen: 40.661 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. -0.006 min

Lab File: VD075692.D

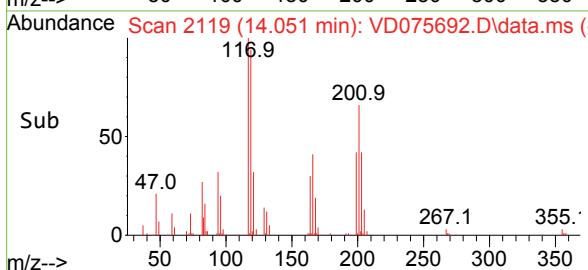
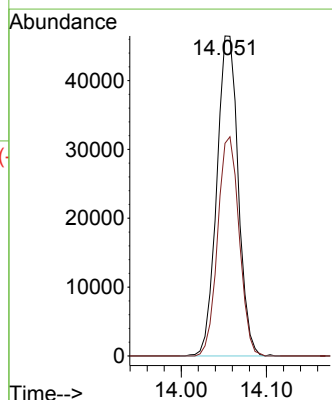
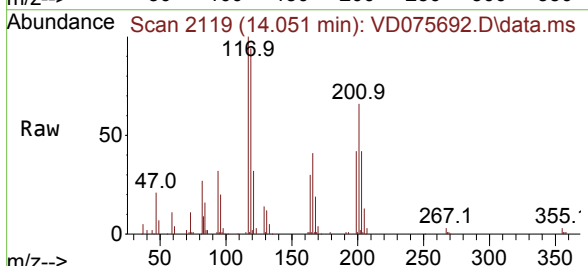
Acq: 14 Apr 2023 21:36

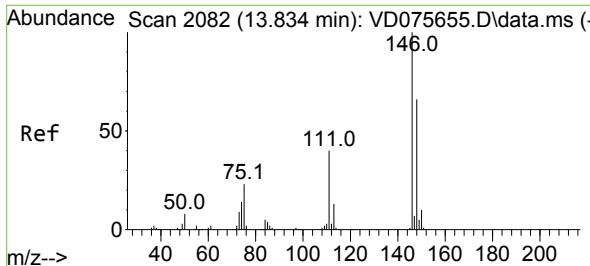
Tgt Ion: 117 Resp: 81353

Ion Ratio Lower Upper

117 100

201 68.5 34.5 103.6

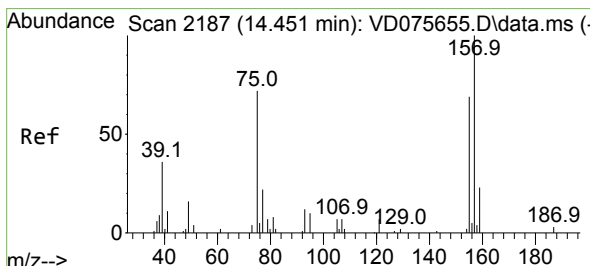
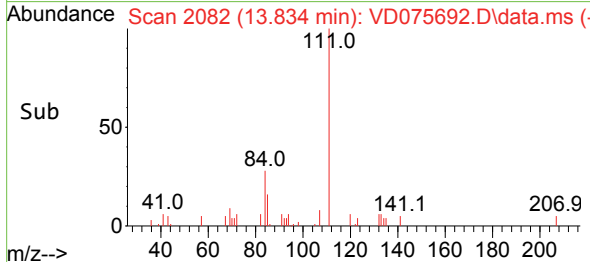
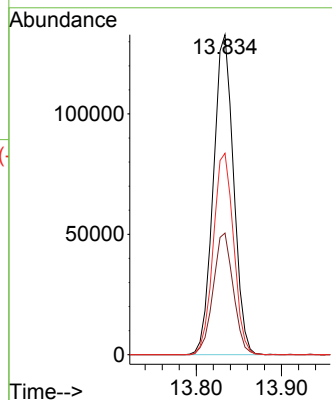
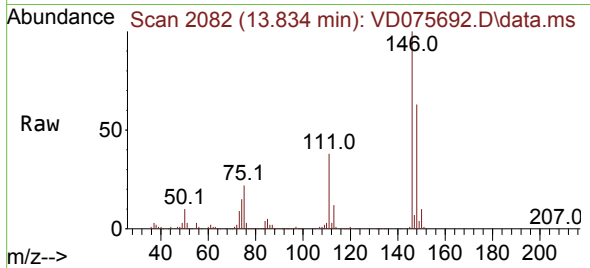




#91  
1,2-Dichlorobenzene  
Concen: 42.867 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

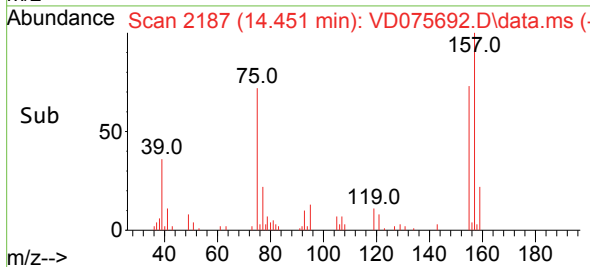
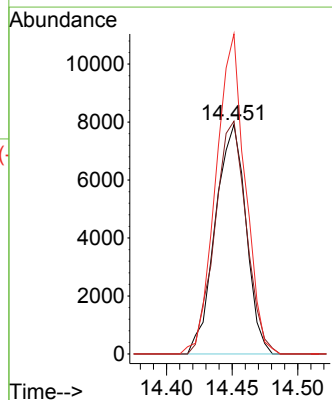
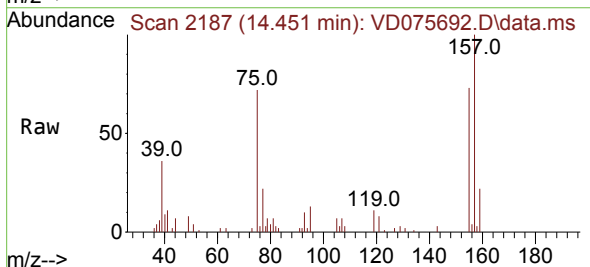
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

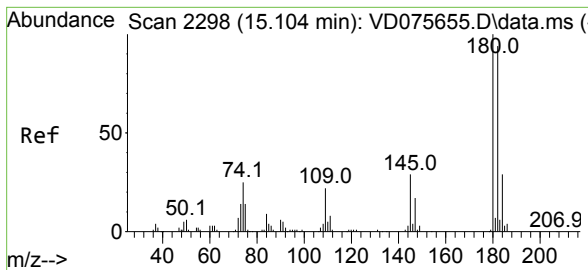
Tgt Ion:146 Resp: 219688  
Ion Ratio Lower Upper  
146 100  
111 37.9 20.6 61.8  
148 63.4 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 44.244 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion: 75 Resp: 12852  
Ion Ratio Lower Upper  
75 100  
155 104.3 39.5 118.5  
157 133.4 53.5 160.7

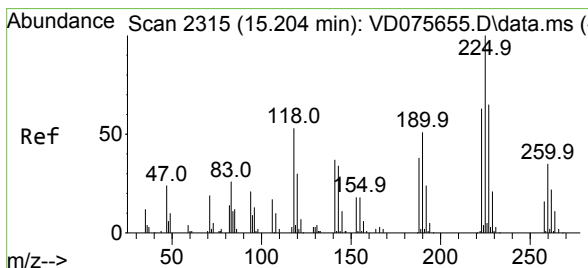
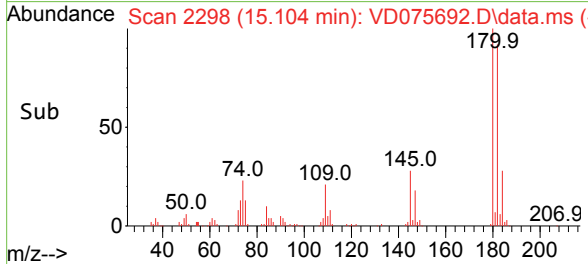
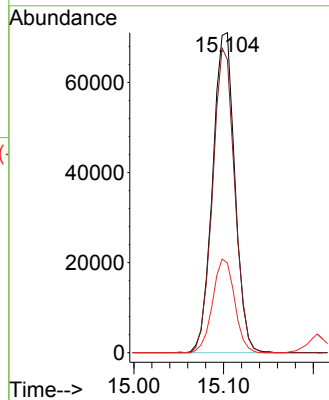
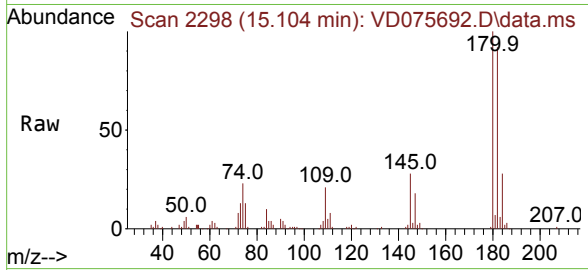




#93  
 1,2,4-Trichlorobenzene  
 Concen: 40.902 ug/l  
 RT: 15.104 min Scan# 2298  
 Delta R.T. 0.000 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

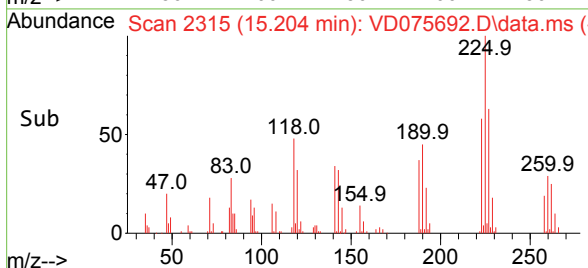
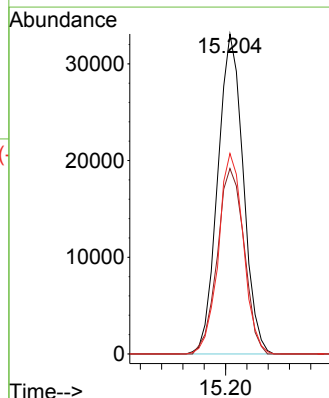
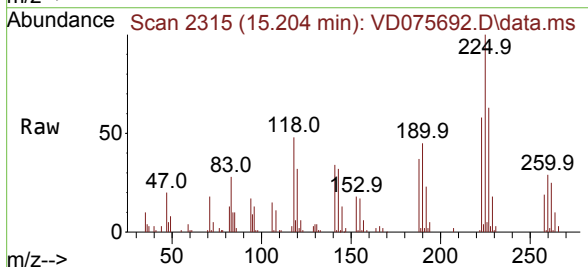
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

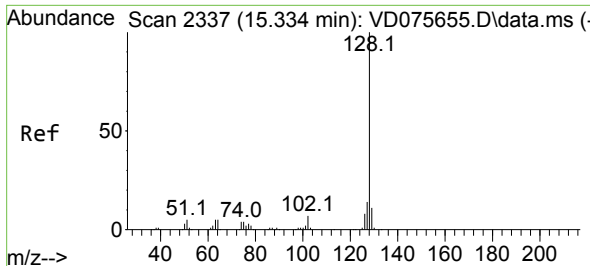
Tgt Ion:180 Resp: 121951  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 47.9 143.7  
 145 29.0 15.9 47.7



#94  
 Hexachlorobutadiene  
 Concen: 38.552 ug/l  
 RT: 15.204 min Scan# 2315  
 Delta R.T. 0.000 min  
 Lab File: VD075692.D  
 Acq: 14 Apr 2023 21:36

Tgt Ion:225 Resp: 54939  
 Ion Ratio Lower Upper  
 225 100  
 223 60.7 33.1 99.2  
 227 61.2 31.9 95.9

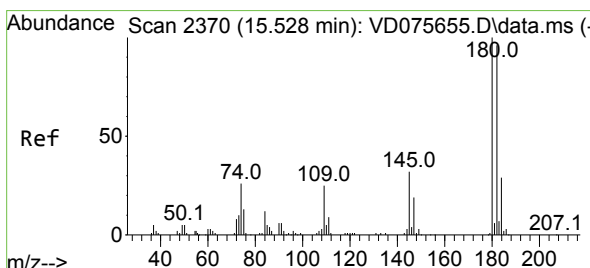
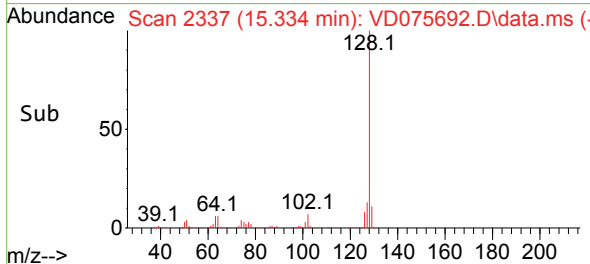
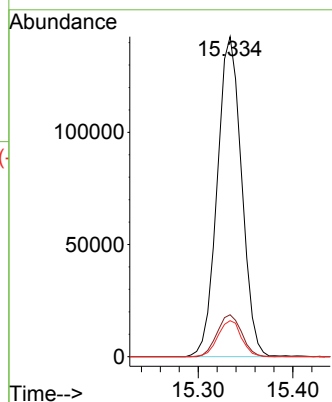
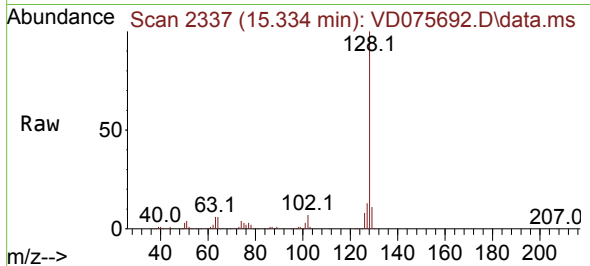




#95  
Naphthalene  
Concen: 45.166 ug/l  
RT: 15.334 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 255120  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 10.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 40.843 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.006 min  
Lab File: VD075692.D  
Acq: 14 Apr 2023 21:36

Tgt Ion:180 Resp: 107181  
Ion Ratio Lower Upper  
180 100  
182 96.0 47.7 143.1  
145 31.6 16.4 49.4

