

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041023\  
 Data File : VD075613.D  
 Acq On : 10 Apr 2023 18:23  
 Operator : KP/SY  
 Sample : VSTDICCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Apr 11 02:40:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041123S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 02:29:16 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 220180   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 374516   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.580 | 117   | 410348   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.521 | 152   | 208229   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 90780    | 46.380   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 92.760%  |
| 35) Dibromofluoromethane     | 7.804  | 113   | 113780   | 45.555   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 91.120%  |
| 50) Toluene-d8               | 10.269 | 98    | 450902   | 46.033   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 92.060%  |
| 62) 4-Bromofluorobenzene     | 12.574 | 95    | 151350   | 51.842   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 103.680% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 76792    | 36.425   | ug/l   | 92       |
| 3) Chloromethane             | 2.146  | 50    | 132559   | 37.743   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.281  | 62    | 195973   | 38.419   | ug/l   | 99       |
| 5) Bromomethane              | 2.693  | 94    | 151090   | 37.912   | ug/l   | 97       |
| 6) Chloroethane              | 2.840  | 64    | 132883   | 38.785   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.175  | 101   | 160126   | 38.837   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.593  | 74    | 50111    | 45.053   | ug/l   | 65       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963  | 101   | 105688   | 39.312   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.169  | 142   | 132845   | 41.437   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.063  | 59    | 20212    | 225.055  | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 3.946  | 96    | 101899   | 38.767   | ug/l   | 86       |
| 13) Acrolein                 | 3.798  | 56    | 28817    | 165.626  | ug/l   | 95       |
| 14) Allyl chloride           | 4.563  | 41    | 91381    | 39.959   | ug/l # | 81       |
| 15) Acrylonitrile            | 5.257  | 53    | 97334    | 234.884  | ug/l   | 96       |
| 16) Acetone                  | 4.022  | 43    | 82319    | 225.829  | ug/l # | 75       |
| 17) Carbon Disulfide         | 4.275  | 76    | 266712   | 34.079   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.569  | 43    | 49609    | 46.998   | ug/l # | 70       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 222165   | 47.356   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.804  | 84    | 148068   | 41.413   | ug/l # | 73       |
| 21) trans-1,2-Dichloroethene | 5.316  | 96    | 122201   | 40.515   | ug/l # | 76       |
| 22) Diisopropyl ether        | 6.222  | 45    | 234714   | 46.583   | ug/l # | 87       |
| 23) Vinyl Acetate            | 6.157  | 43    | 487225   | 204.457  | ug/l # | 83       |
| 24) 1,1-Dichloroethane       | 6.110  | 63    | 188830   | 43.539   | ug/l   | 97       |
| 25) 2-Butanone               | 7.081  | 43    | 105975   | 230.876  | ug/l # | 64       |
| 26) 2,2-Dichloropropane      | 7.081  | 77    | 171475   | 43.067   | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 144083   | 44.127   | ug/l   | 81       |
| 28) Bromochloromethane       | 7.428  | 49    | 62816    | 44.974   | ug/l # | 43       |
| 29) Tetrahydrofuran          | 7.445  | 42    | 58592    | 233.017  | ug/l # | 53       |
| 30) Chloroform               | 7.598  | 83    | 216395   | 44.776   | ug/l   | 97       |
| 31) Cyclohexane              | 7.875  | 56    | 126429   | 36.988   | ug/l # | 80       |
| 32) 1,1,1-Trichloroethane    | 7.792  | 97    | 180918   | 42.868   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.010  | 75    | 152908   | 41.518   | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.169  | 43    | 44059    | 45.182   | ug/l # | 79       |
| 38) Carbon Tetrachloride     | 7.992  | 117   | 143050   | 40.681   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.275  | 83    | 175894   | 38.297   | ug/l # | 88       |
| 40) Benzene                  | 8.251  | 78    | 483551   | 43.400   | ug/l   | 99       |

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 Sample : VSTDICCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Apr 11 02:40:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041123S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 02:29:16 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.398  | 41   | 20680    | 40.008  | ug/l # | 45       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 111424   | 45.134  | ug/l   | 90       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 85063    | 46.868  | ug/l # | 76       |
| 44) Trichloroethene           | 9.028  | 130  | 133296   | 40.899  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 109644   | 45.487  | ug/l   | 90       |
| 46) Dibromomethane            | 9.392  | 93   | 69470    | 46.509  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.586  | 83   | 163329   | 45.380  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 36663    | 43.353  | ug/l # | 55       |
| 49) 1,4-Dioxane               | 9.386  | 88   | 12497    | 932.060 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 225582   | 238.807 | ug/l # | 77       |
| 52) Toluene                   | 10.333 | 92   | 322856   | 44.777  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 150810   | 46.546  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 182650   | 45.937  | ug/l # | 75       |
| 55) 1,1,2-Trichloroethane     | 10.733 | 97   | 99871    | 47.154  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 100187   | 49.725  | ug/l # | 65       |
| 57) 1,3-Dichloropropane       | 10.880 | 76   | 151045   | 46.478  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 229118   | 234.706 | ug/l # | 87       |
| 59) 2-Hexanone                | 10.922 | 43   | 161831   | 243.233 | ug/l   | 71       |
| 60) Dibromochloromethane      | 11.075 | 129  | 117380   | 46.955  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.180 | 107  | 103187   | 51.086  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 110966   | 36.201  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.610 | 112  | 405244   | 42.783  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.680 | 131  | 145172   | 44.483  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.686 | 91   | 671221   | 41.594  | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.792 | 106  | 555466   | 85.564  | ug/l   | 88       |
| 69) o-Xylene                  | 12.122 | 106  | 268499   | 44.254  | ug/l   | 89       |
| 70) Styrene                   | 12.139 | 104  | 464094   | 45.803  | ug/l   | 93       |
| 71) Bromoform                 | 12.298 | 173  | 81821    | 48.341  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 672110   | 41.738  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.233 | 43   | 91382    | 44.828  | ug/l # | 74       |
| 75) 1,1,2,2-Tetrachloroethane | 12.674 | 83   | 119152   | 42.892  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75   | 134170   | 76.670  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 174054   | 44.522  | ug/l   | 84       |
| 78) n-propylbenzene           | 12.763 | 91   | 800667   | 40.882  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 433608   | 40.721  | ug/l   | 89       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 555190   | 41.906  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 35921    | 45.125  | ug/l # | 70       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 451098   | 40.919  | ug/l   | 90       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 485699   | 42.231  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 555393   | 43.219  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 721943   | 40.640  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 611417   | 42.077  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 350352   | 43.613  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 342590   | 43.024  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.786 | 91   | 535867   | 40.333  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 100049   | 36.037  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 298398   | 43.859  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 12909    | 37.925  | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 138978   | 35.917  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 64836    | 35.384  | ug/l   | 99       |
| 95) Naphthalene               | 15.333 | 128  | 270065   | 38.006  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.521 | 180  | 121561   | 36.315  | ug/l   | 97       |

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Operator : KP/SY  
Sample : VSTDICCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

Quant Time: Apr 11 02:40:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041123S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 11 02:29:16 2023  
Response via : Initial Calibration

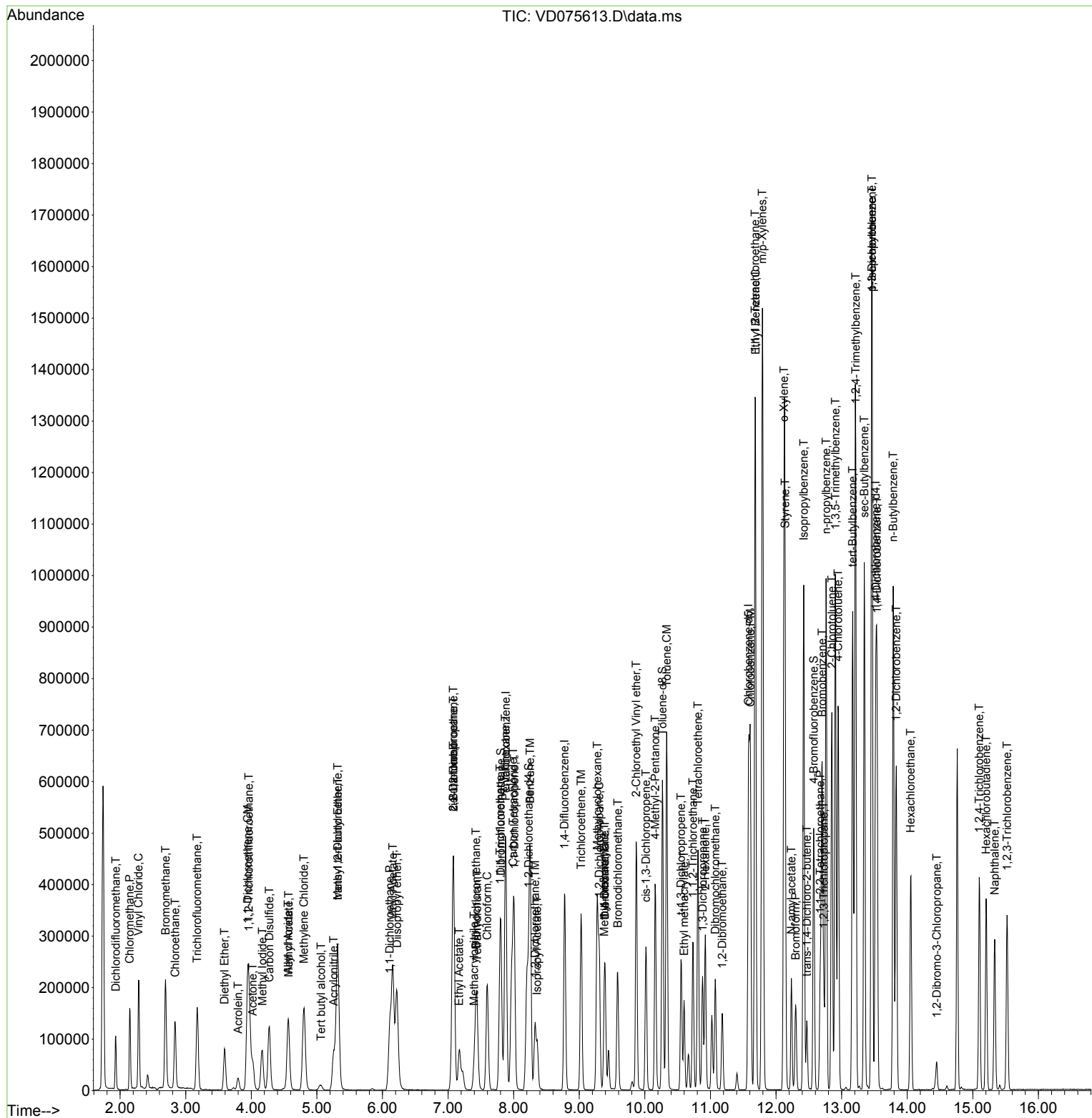
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

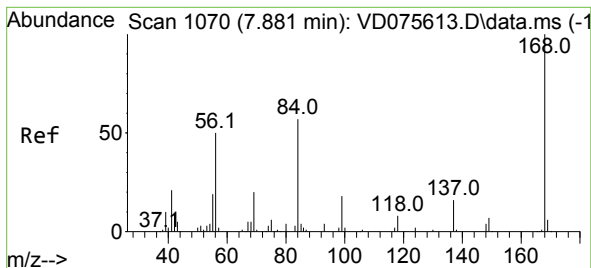
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041023\  
 Data File : VD075613.D  
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 Sample : VSTDICCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Apr 11 02:40:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041123S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 02:29:16 2023  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

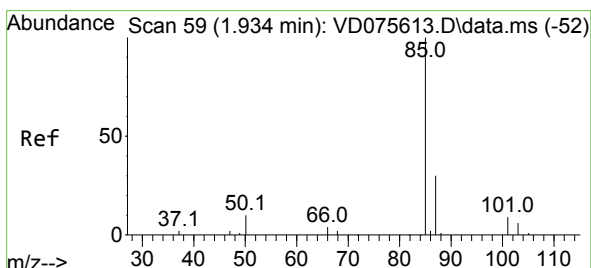
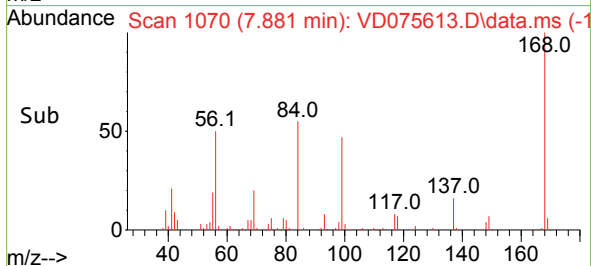
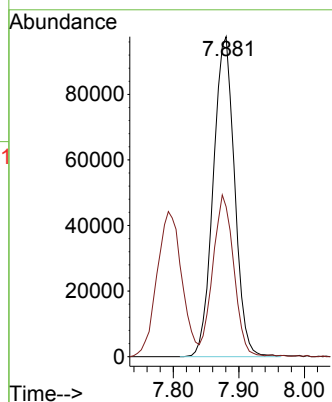
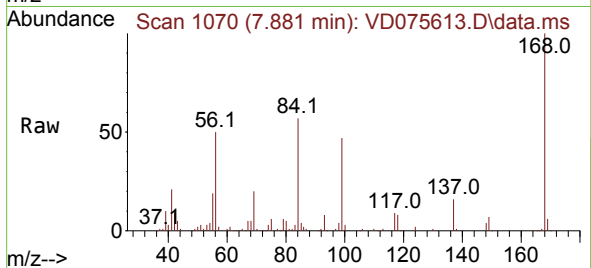
VSTDICCC050

Tgt Ion:168 Resp: 220180

Ion Ratio Lower Upper

168 100

99 46.4 43.8 65.6



#2

Dichlorodifluoromethane

Concen: 36.425 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD075613.D

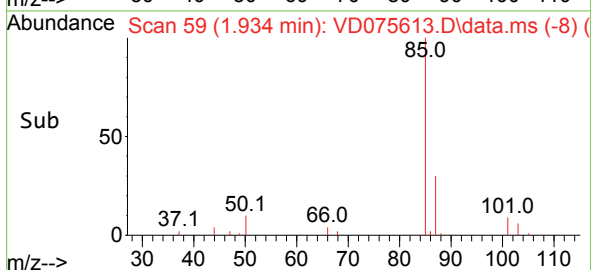
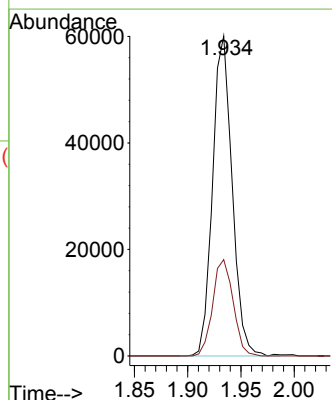
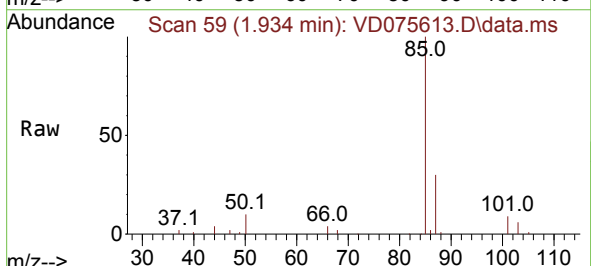
Acq: 10 Apr 2023 18:23

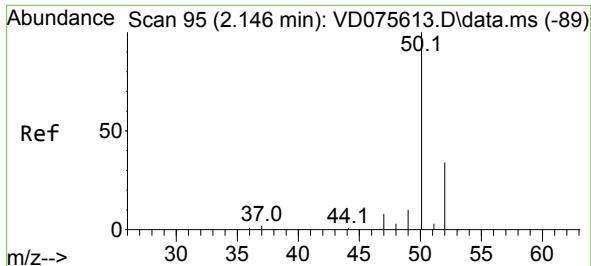
Tgt Ion: 85 Resp: 76792

Ion Ratio Lower Upper

85 100

87 30.1 17.3 51.7

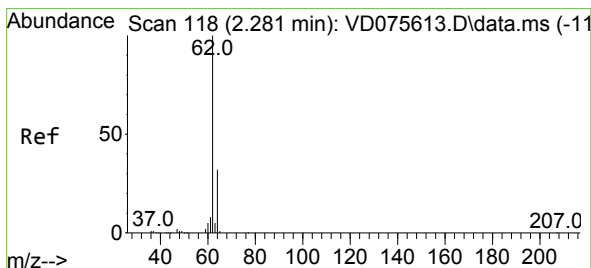
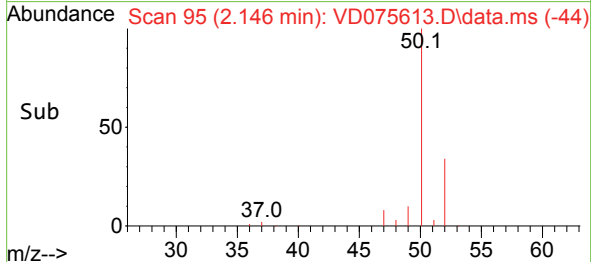
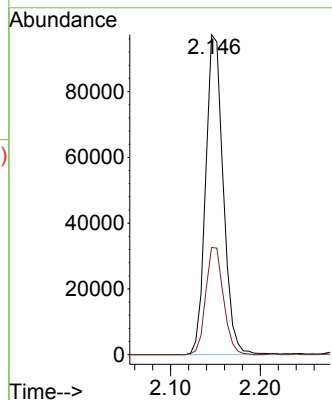
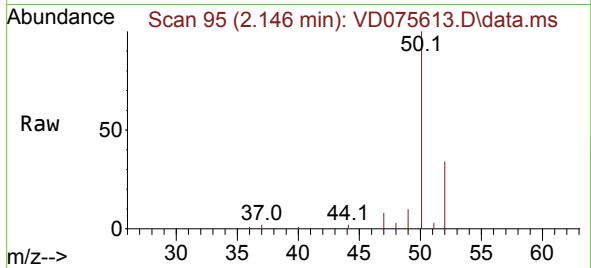




#3  
Chloromethane  
Concen: 37.743 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

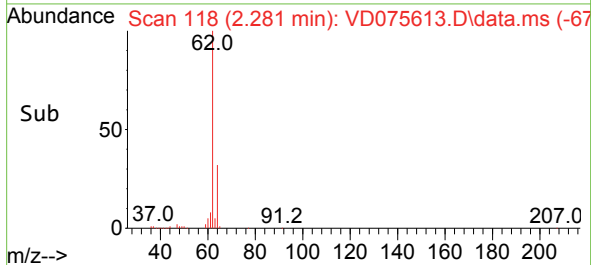
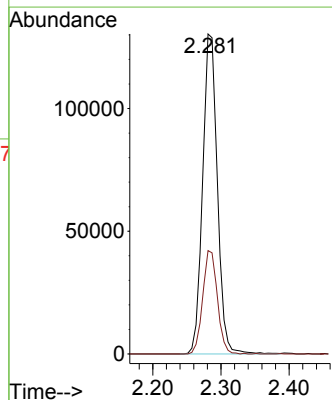
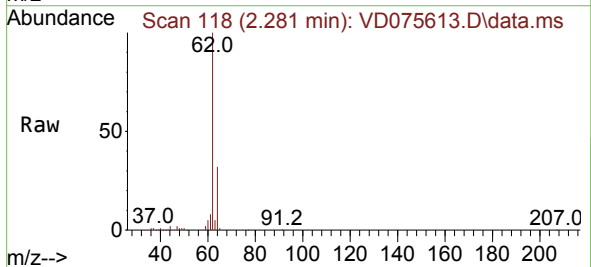
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

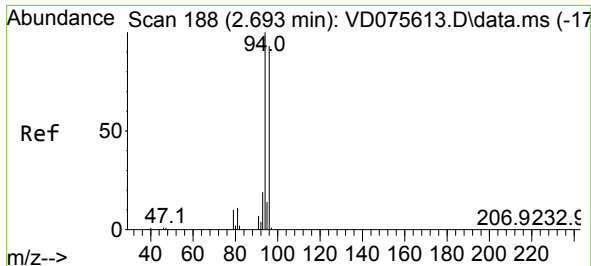
Tgt Ion: 50 Resp: 132559  
Ion Ratio Lower Upper  
50 100  
52 33.5 27.8 41.8



#4  
Vinyl Chloride  
Concen: 38.419 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 62 Resp: 195973  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.4 38.0

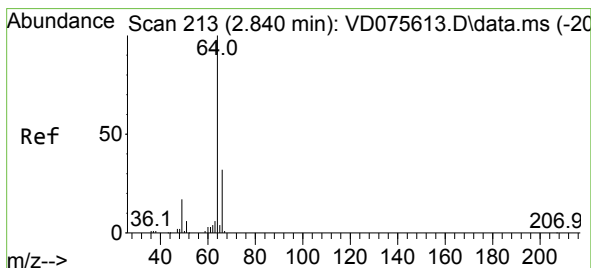
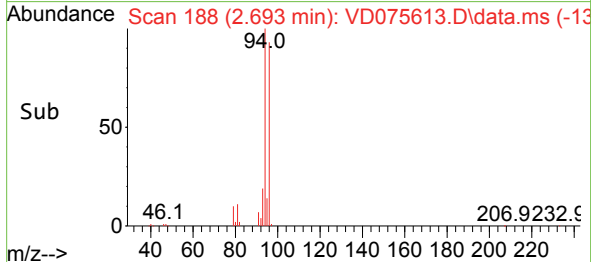
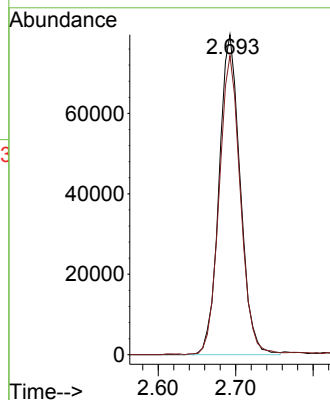
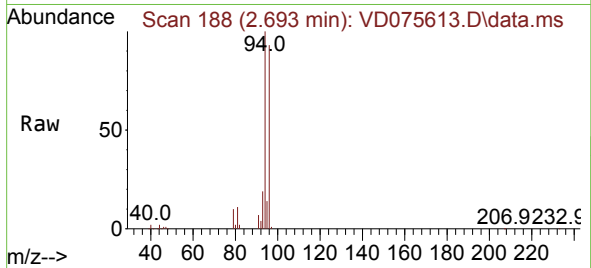




#5  
Bromomethane  
Concen: 37.912 ug/l  
RT: 2.693 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

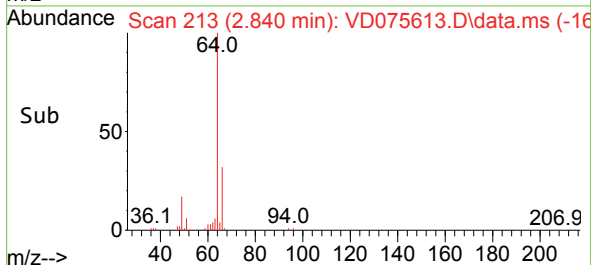
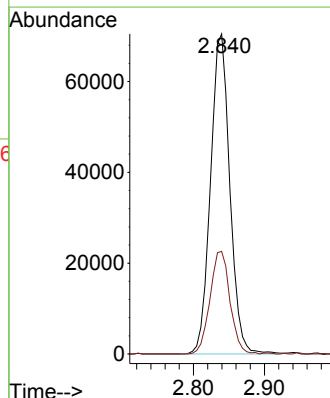
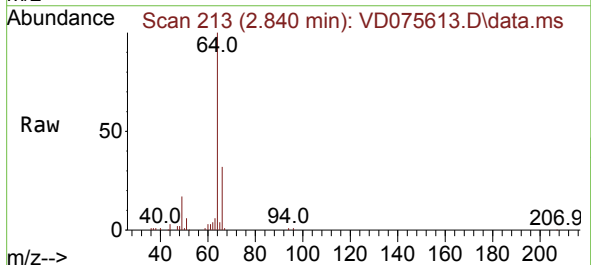
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

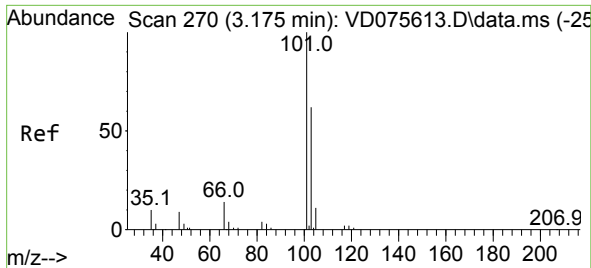
Tgt Ion: 94 Resp: 151090  
Ion Ratio Lower Upper  
94 100  
96 94.2 77.5 116.3



#6  
Chloroethane  
Concen: 38.785 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 64 Resp: 132883  
Ion Ratio Lower Upper  
64 100  
66 32.1 27.7 41.5

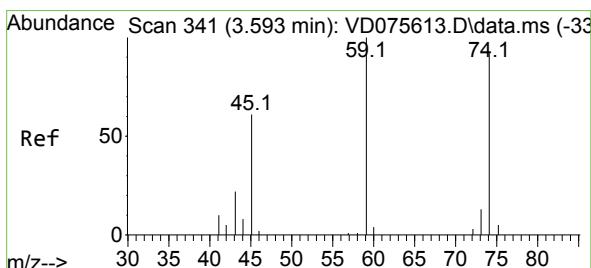
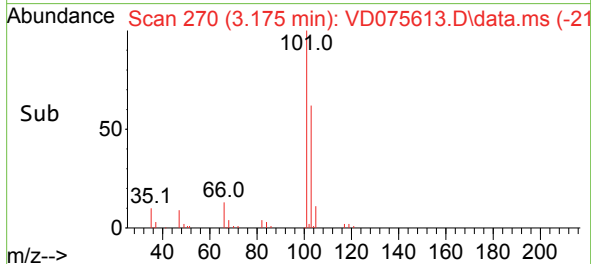
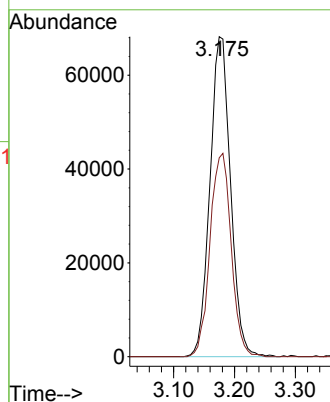
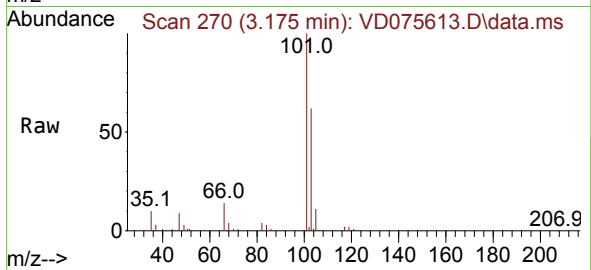




#7  
 Trichlorofluoromethane  
 Concen: 38.837 ug/l  
 RT: 3.175 min Scan# 210  
 Delta R.T. 0.000 min  
 Lab File: VD075613.D  
 Acq: 10 Apr 2023 18:23

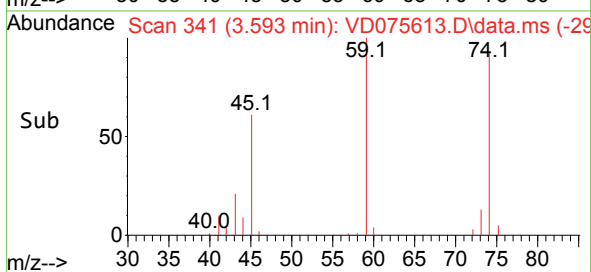
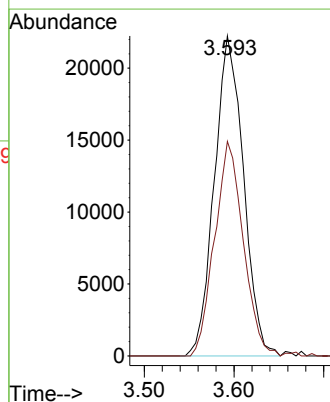
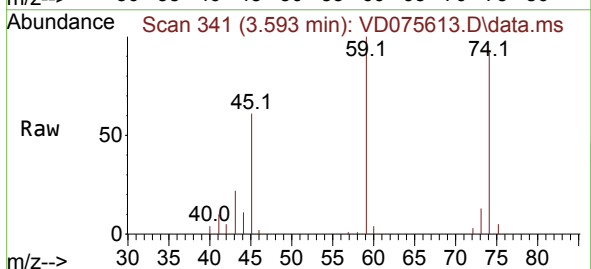
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Tgt Ion:101 Resp: 160126  
 Ion Ratio Lower Upper  
 101 100  
 103 62.1 51.9 77.9

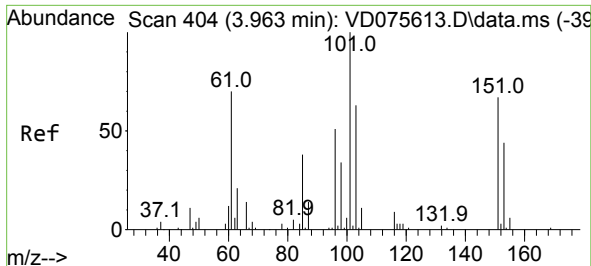


#8  
 Diethyl Ether  
 Concen: 45.053 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VD075613.D  
 Acq: 10 Apr 2023 18:23

Tgt Ion: 74 Resp: 50111  
 Ion Ratio Lower Upper  
 74 100  
 45 65.9 50.9 152.7



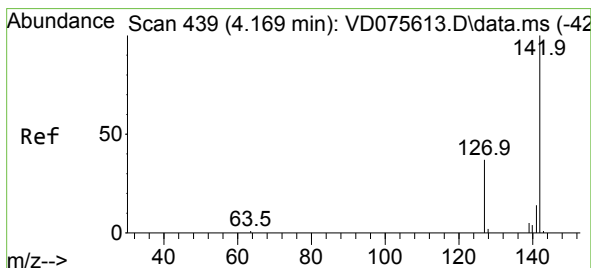
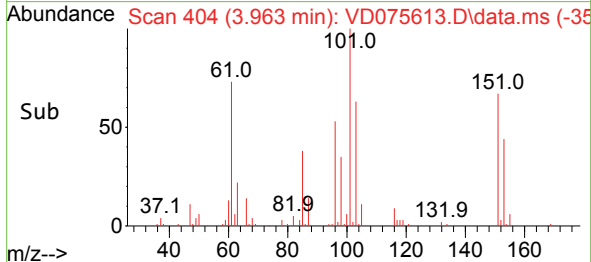
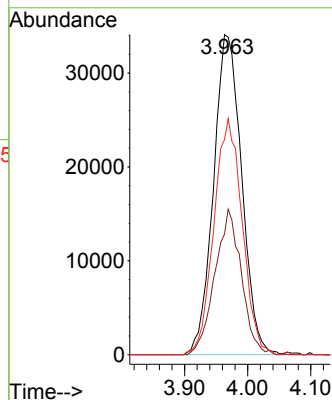
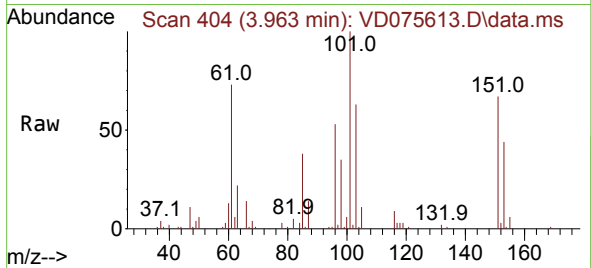




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 39.312 ug/l  
RT: 3.963 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

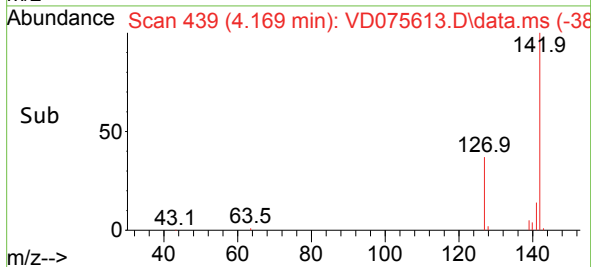
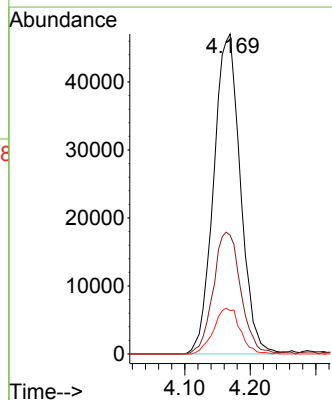
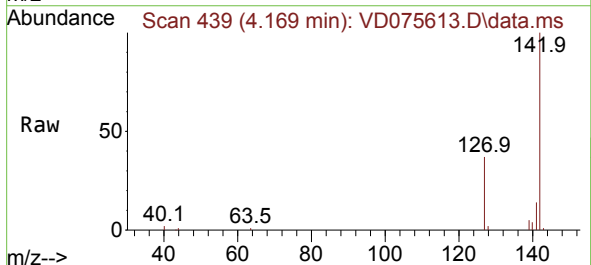
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

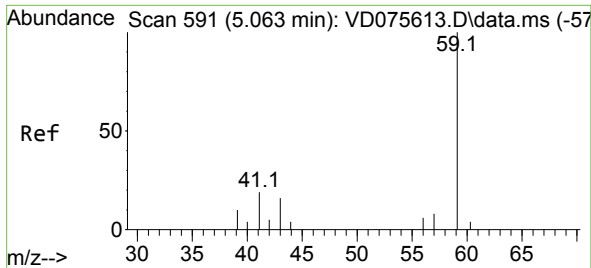
Tgt Ion:101 Resp: 105688  
Ion Ratio Lower Upper  
101 100  
85 42.7 38.3 57.5  
151 74.0 60.4 90.6



#10  
Methyl Iodide  
Concen: 41.437 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion:142 Resp: 132845  
Ion Ratio Lower Upper  
142 100  
127 39.3 37.1 55.7  
141 14.2 11.3 16.9

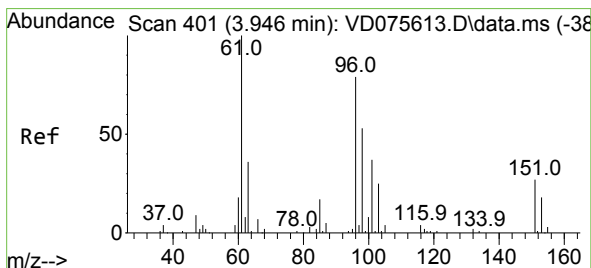
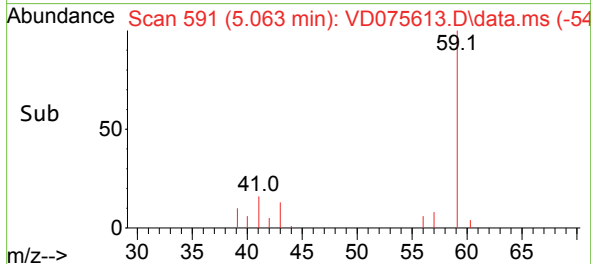
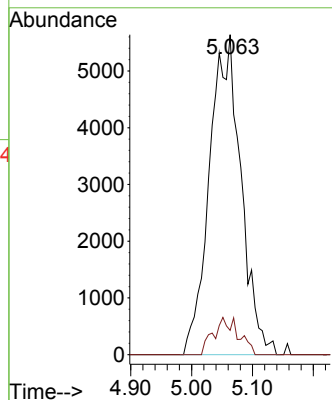
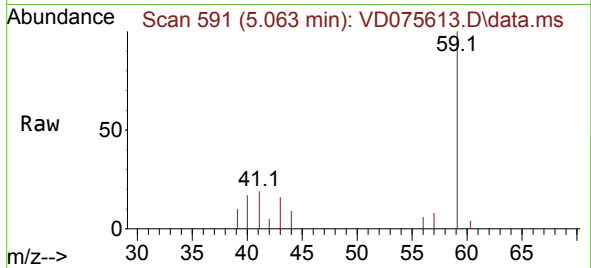




#11  
Tert butyl alcohol  
Concen: 225.055 ug/l  
RT: 5.063 min Scan# 591  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

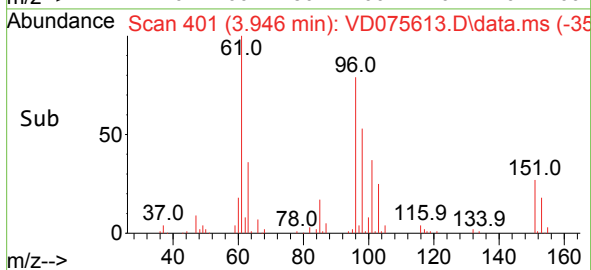
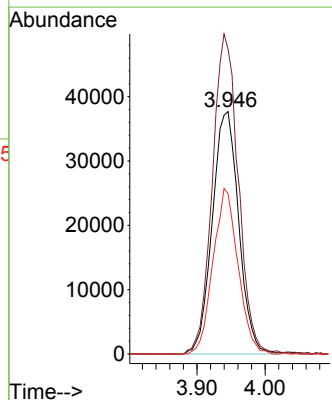
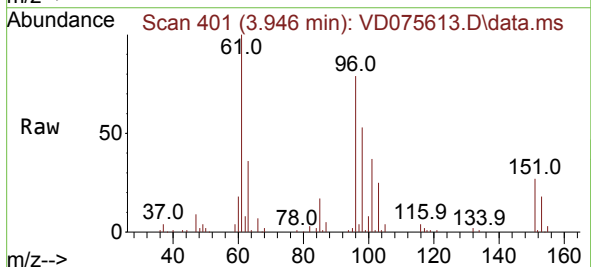
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

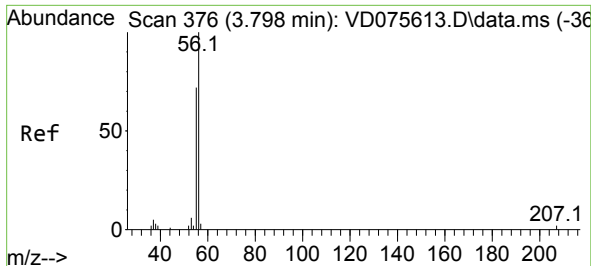
Tgt Ion: 59 Resp: 20212  
Ion Ratio Lower Upper  
59 100  
57 9.2 0.0 0.0#



#12  
1,1-Dichloroethene  
Concen: 38.767 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 96 Resp: 101899  
Ion Ratio Lower Upper  
96 100  
61 125.8 118.6 177.8  
98 66.1 49.7 74.5





#13

Acrolein

Concen: 165.626 ug/l

RT: 3.798 min Scan# 376

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

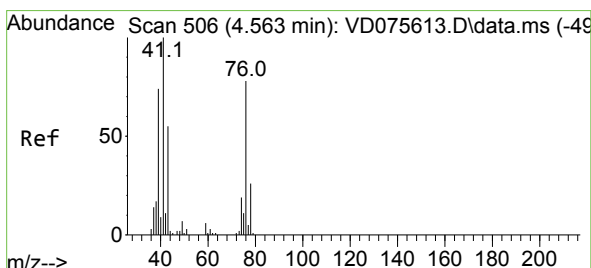
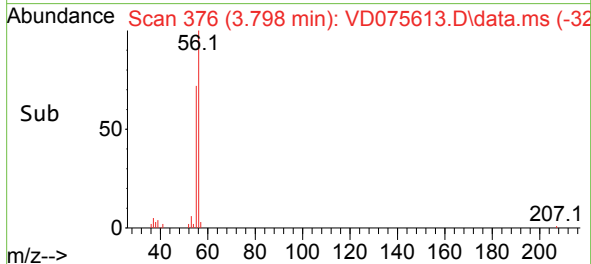
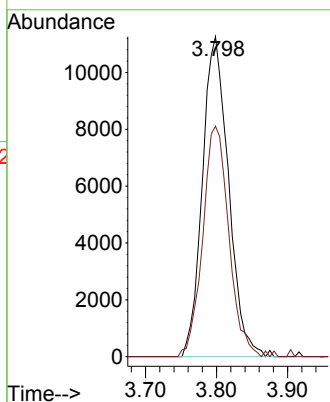
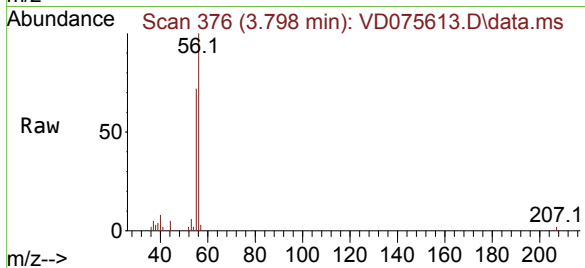
VSTDICCC050

Tgt Ion: 56 Resp: 28817

Ion Ratio Lower Upper

56 100

55 71.6 53.9 80.9



#14

Allyl chloride

Concen: 39.959 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

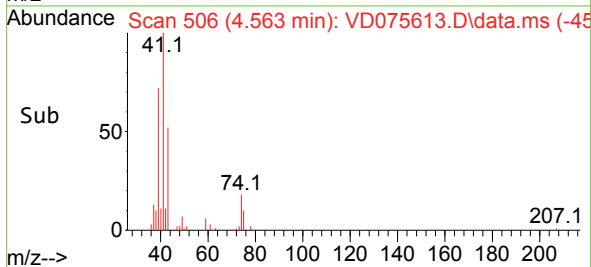
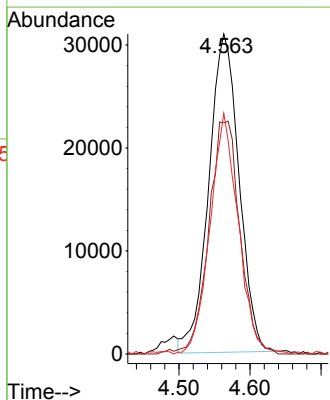
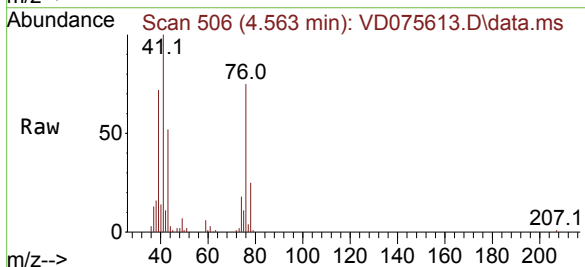
Tgt Ion: 41 Resp: 91381

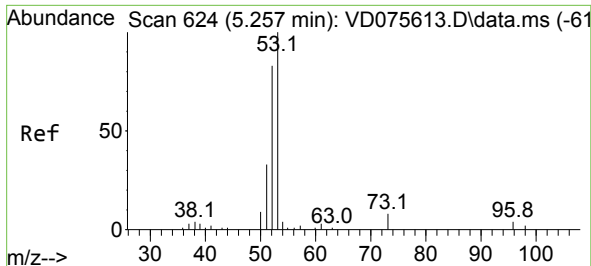
Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

76 70.6 28.6 43.0#

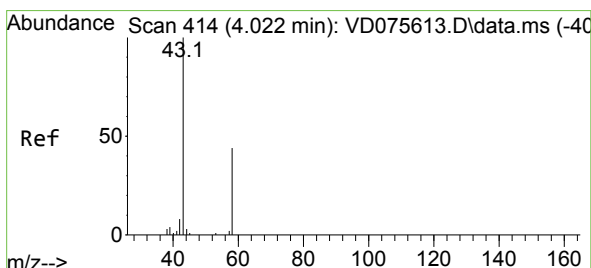
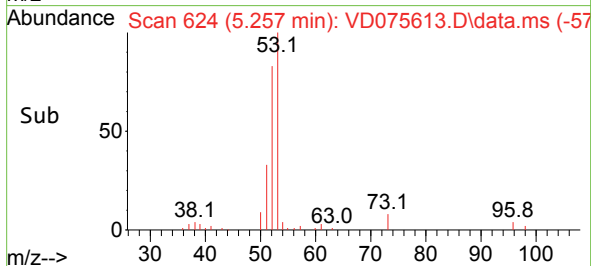
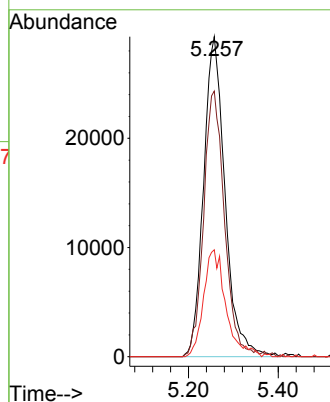
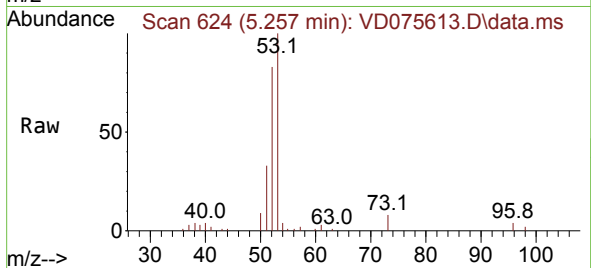




#15  
Acrylonitrile  
Concen: 234.884 ug/l  
RT: 5.257 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

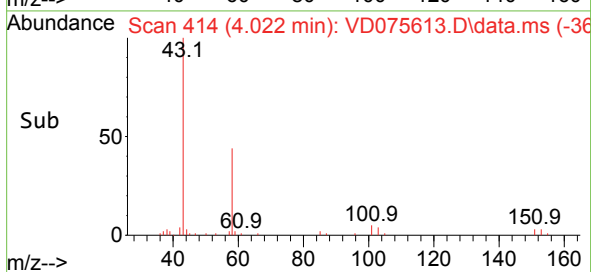
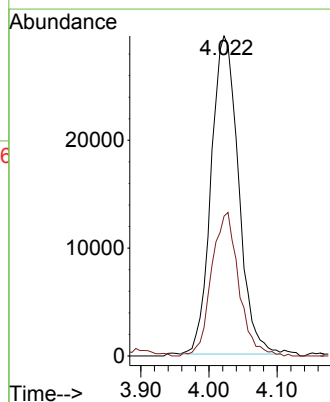
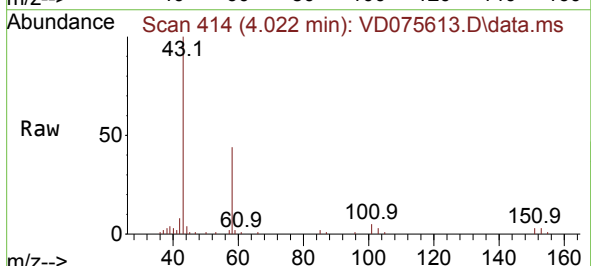
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

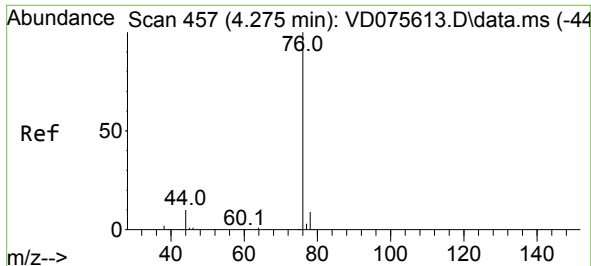
Tgt Ion: 53 Resp: 97334  
Ion Ratio Lower Upper  
53 100  
52 80.7 66.2 99.4  
51 34.6 30.7 46.1



#16  
Acetone  
Concen: 225.829 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 43 Resp: 82319  
Ion Ratio Lower Upper  
43 100  
58 44.0 24.4 36.6#

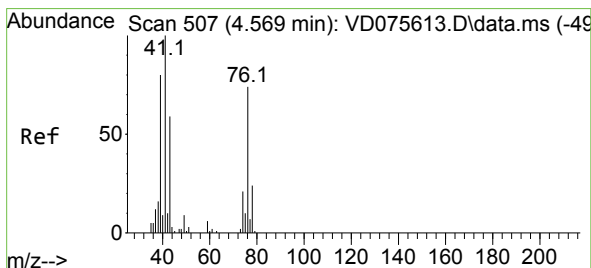
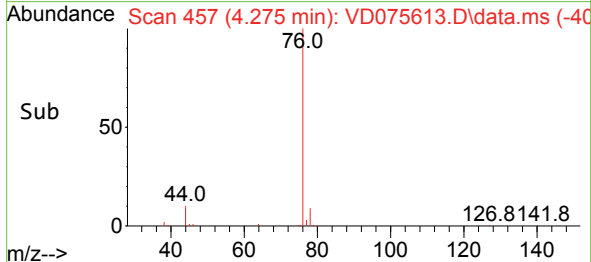
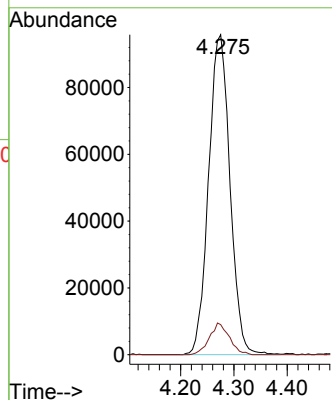
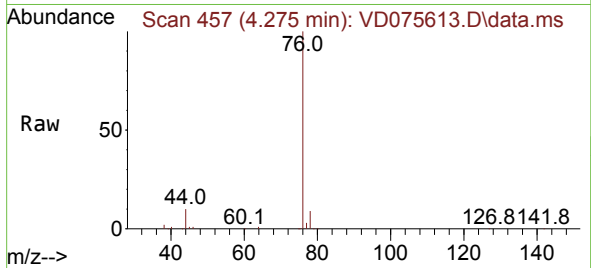




#17  
Carbon Disulfide  
Concen: 34.079 ug/l  
RT: 4.275 min Scan# 457  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

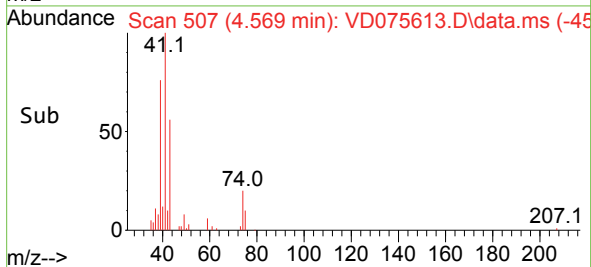
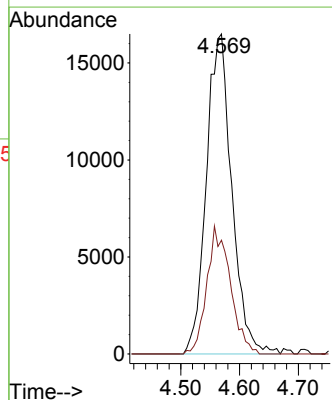
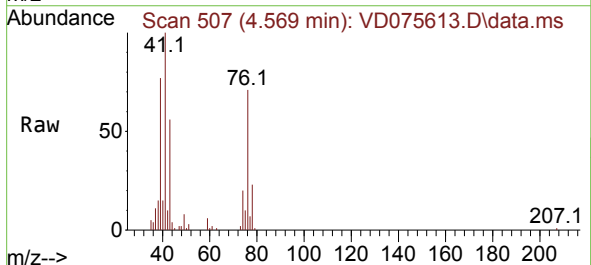
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

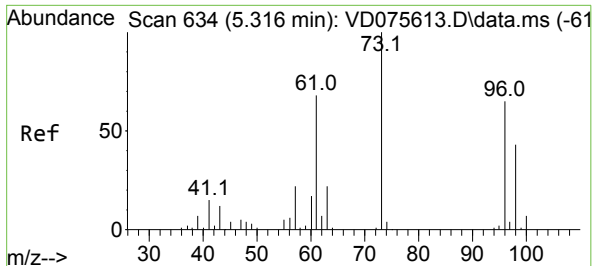
Tgt Ion: 76 Resp: 266712  
Ion Ratio Lower Upper  
76 100  
78 9.4 8.0 12.0



#18  
Methyl Acetate  
Concen: 46.998 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 43 Resp: 49609  
Ion Ratio Lower Upper  
43 100  
74 36.8 17.8 26.6#





#19

Methyl tert-butyl Ether

Concen: 47.356 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

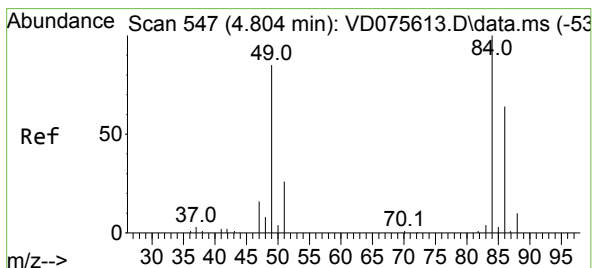
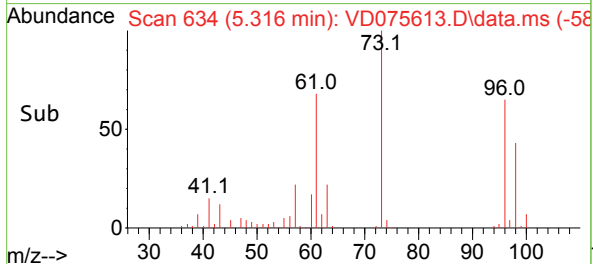
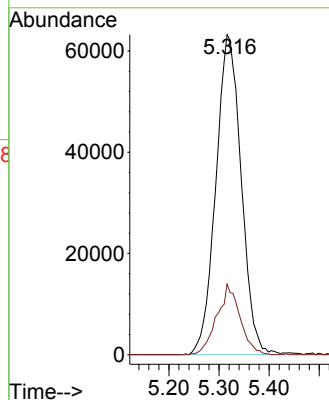
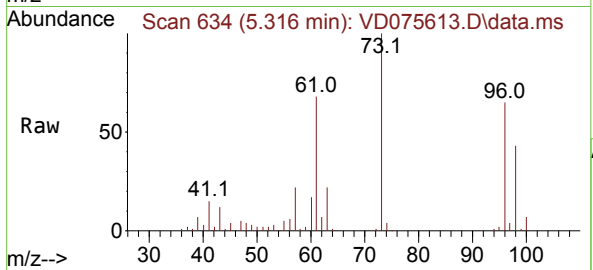
VSTDICCC050

Tgt Ion: 73 Resp: 222165

Ion Ratio Lower Upper

73 100

57 22.0 17.2 25.8



#20

Methylene Chloride

Concen: 41.413 ug/l

RT: 4.804 min Scan# 547

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Tgt Ion: 84 Resp: 148068

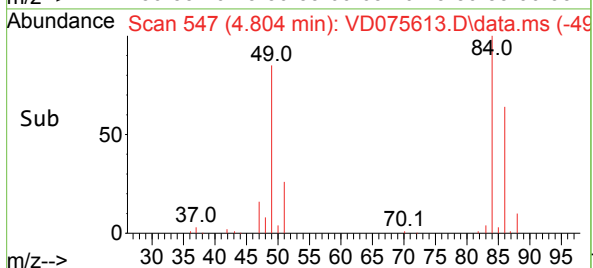
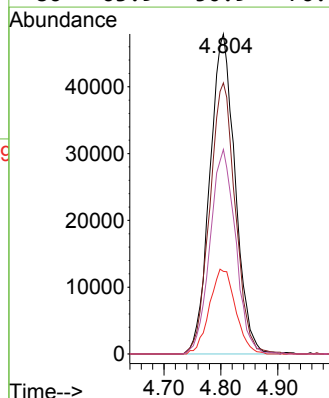
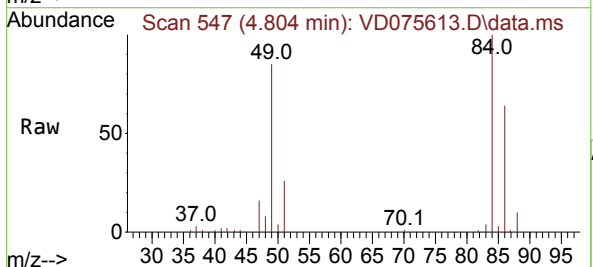
Ion Ratio Lower Upper

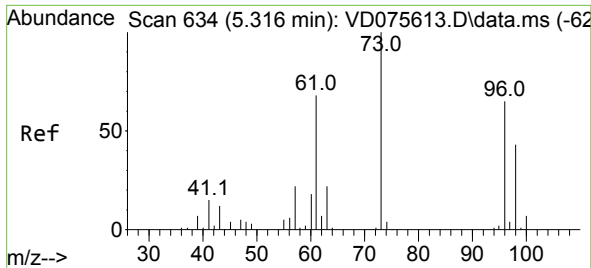
84 100

49 84.7 106.4 159.6#

51 25.8 32.4 48.6#

86 63.9 50.9 76.3

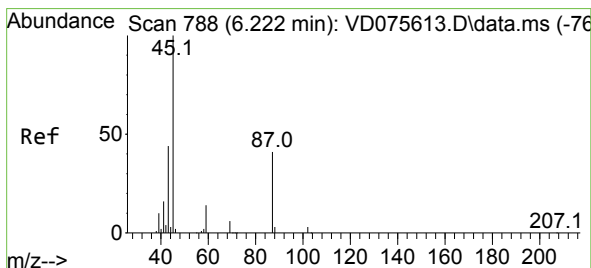
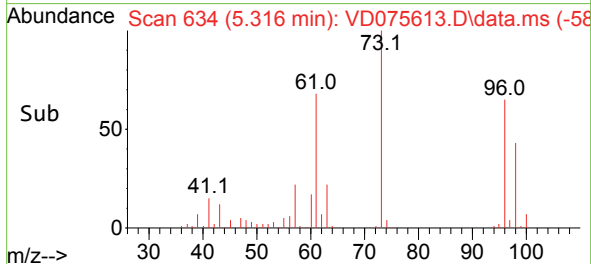
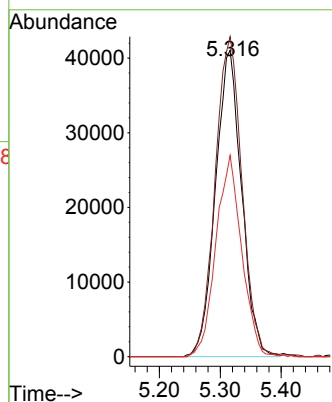
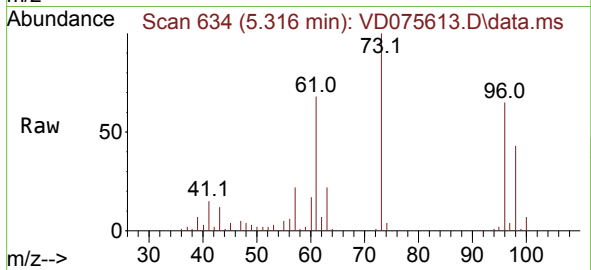




#21  
trans-1,2-Dichloroethene  
Concen: 40.515 ug/l  
RT: 5.316 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

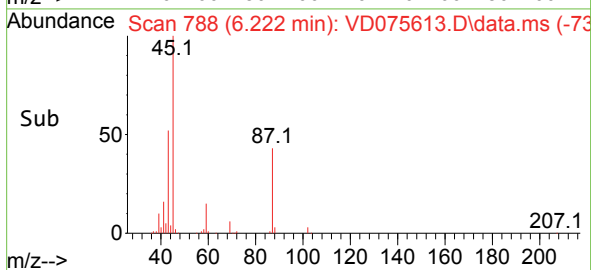
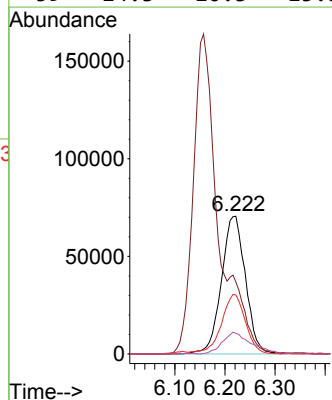
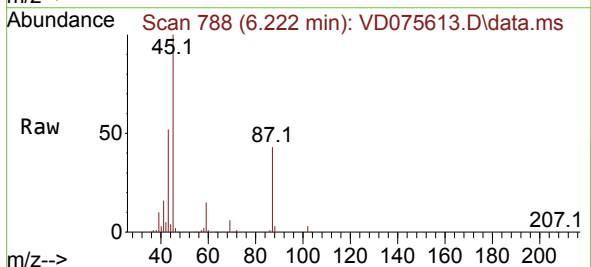
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

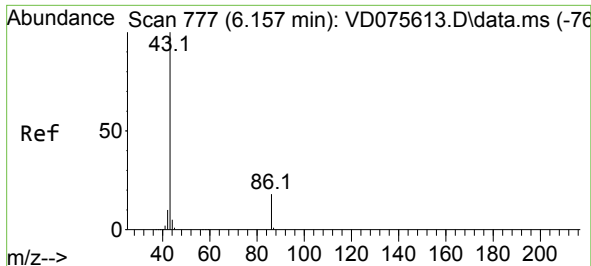
Tgt Ion: 96 Resp: 122201  
Ion Ratio Lower Upper  
96 100  
61 104.4 117.2 175.8#  
98 65.7 50.6 76.0



#22  
Diisopropyl ether  
Concen: 46.583 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 45 Resp: 234714  
Ion Ratio Lower Upper  
45 100  
43 51.1 44.4 66.6  
87 42.9 20.9 31.3#  
59 14.3 10.3 15.5

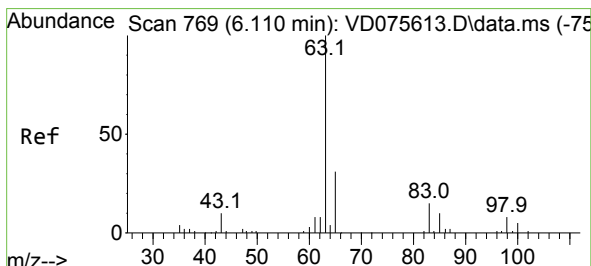
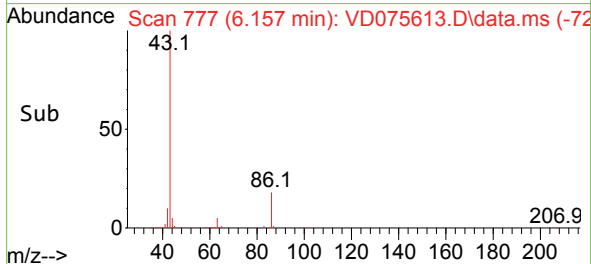
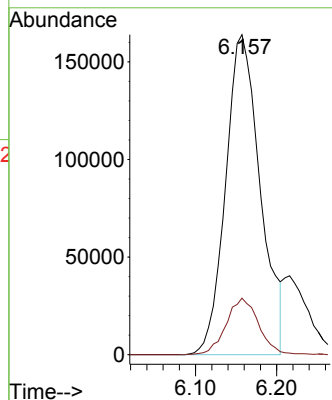
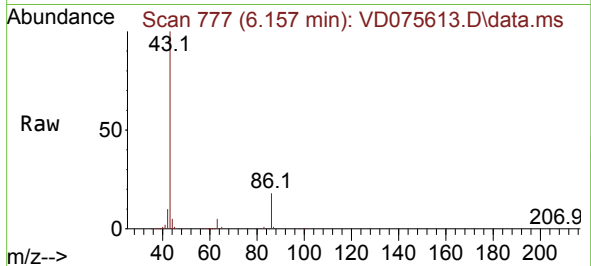




#23  
 Vinyl Acetate  
 Concen: 204.457 ug/l  
 RT: 6.157 min Scan# 777  
 Delta R.T. 0.000 min  
 Lab File: VD075613.D  
 Acq: 10 Apr 2023 18:23

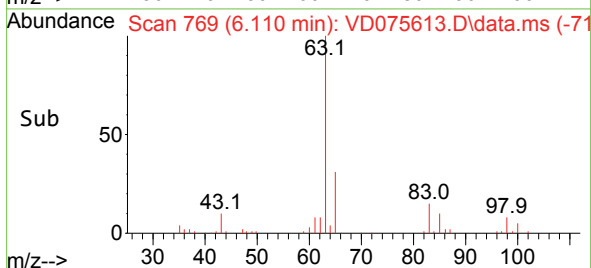
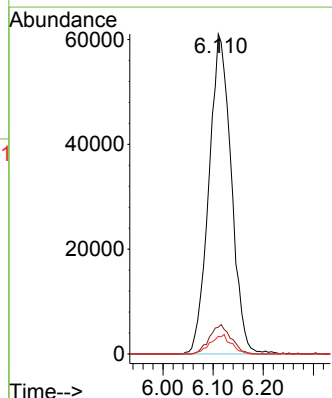
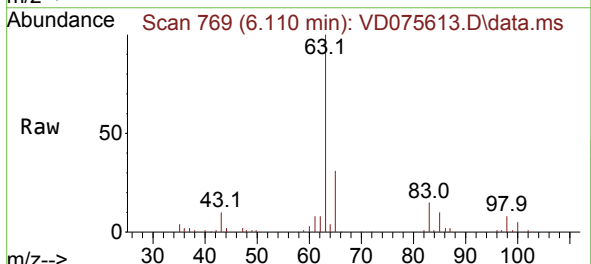
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Tgt Ion: 43 Resp: 487225  
 Ion Ratio Lower Upper  
 43 100  
 86 17.6 9.0 13.6#

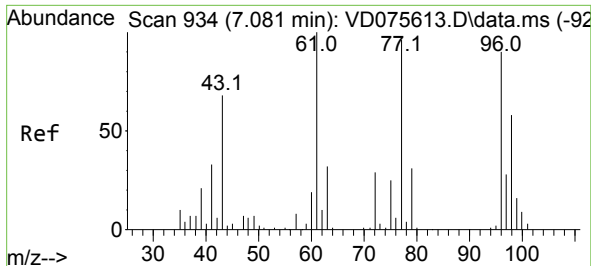


#24  
 1,1-Dichloroethane  
 Concen: 43.539 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VD075613.D  
 Acq: 10 Apr 2023 18:23

Tgt Ion: 63 Resp: 188830  
 Ion Ratio Lower Upper  
 63 100  
 98 8.4 3.9 11.7  
 100 5.5 2.0 6.0



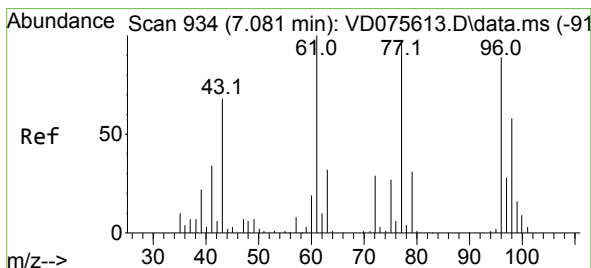
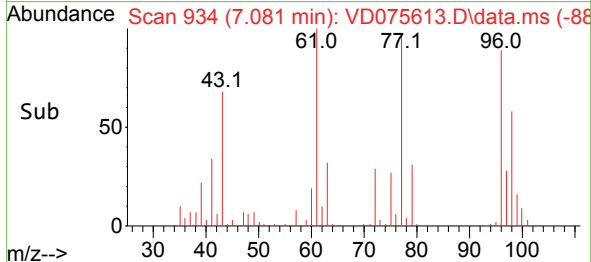
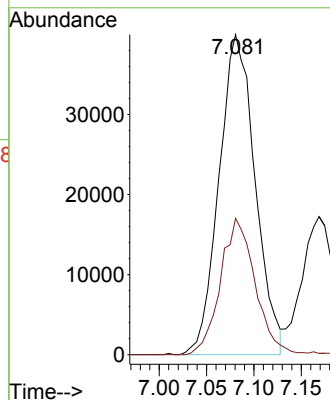
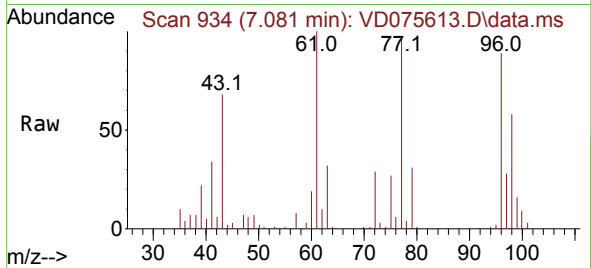




#25  
2-Butanone  
Concen: 230.876 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

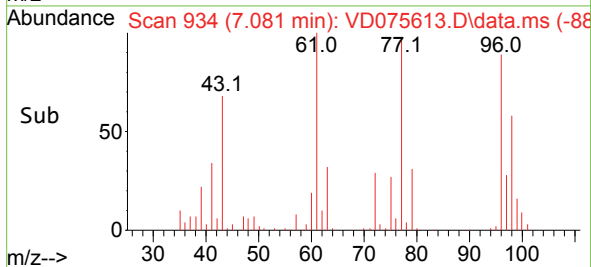
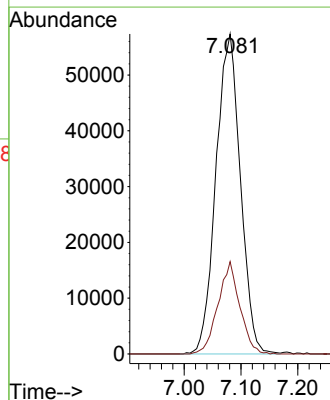
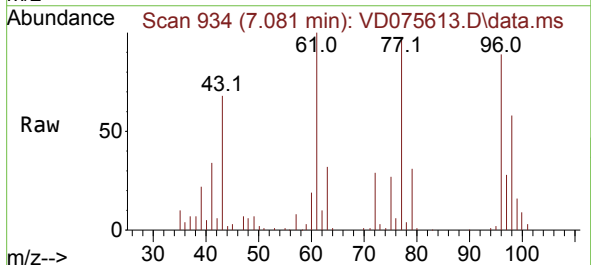
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

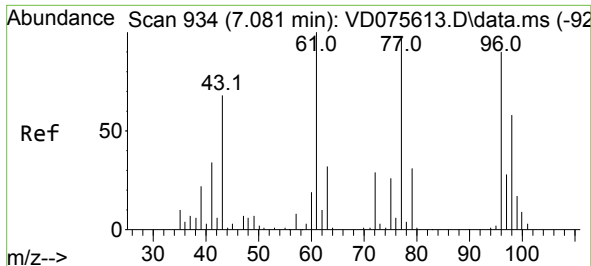
Tgt Ion: 43 Resp: 105975  
Ion Ratio Lower Upper  
43 100  
72 42.6 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 43.067 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 77 Resp: 171475  
Ion Ratio Lower Upper  
77 100  
97 25.7 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 44.127 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

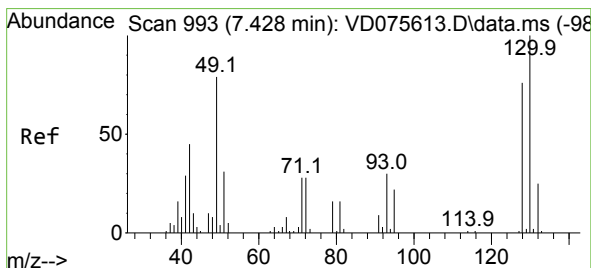
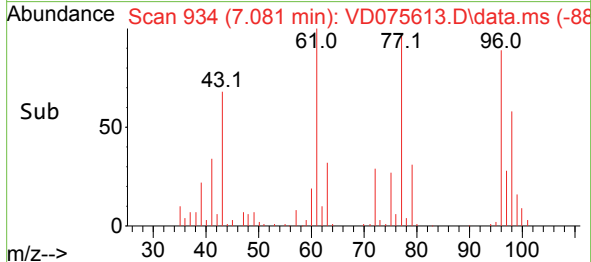
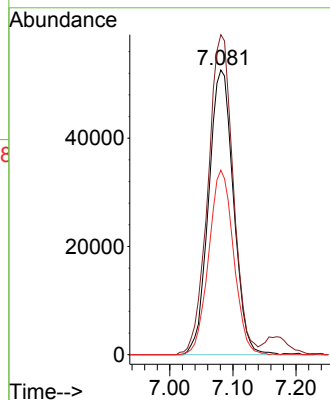
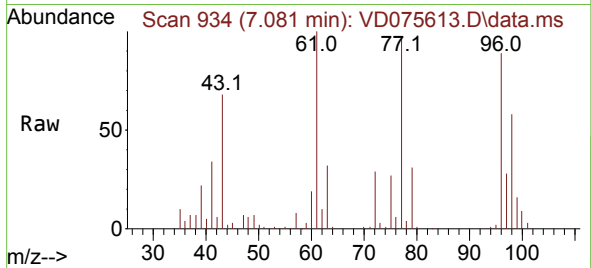
Tgt Ion: 96 Resp: 144083

Ion Ratio Lower Upper

96 100

61 113.9 0.0 295.2

98 64.6 0.0 129.2



#28

Bromochloromethane

Concen: 44.974 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

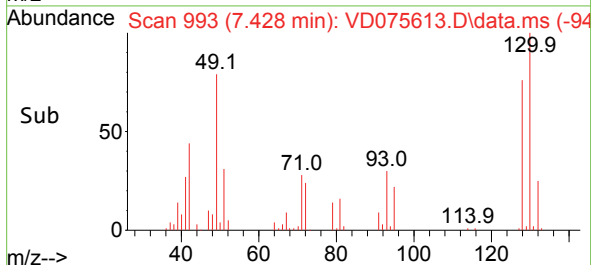
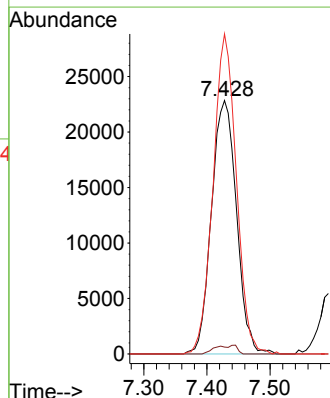
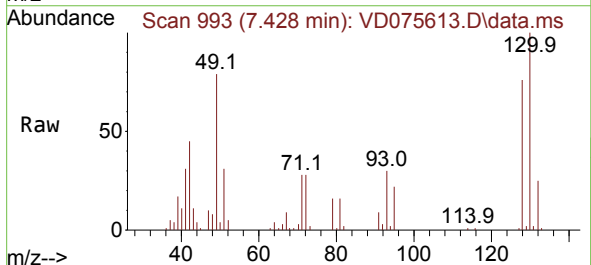
Tgt Ion: 49 Resp: 62816

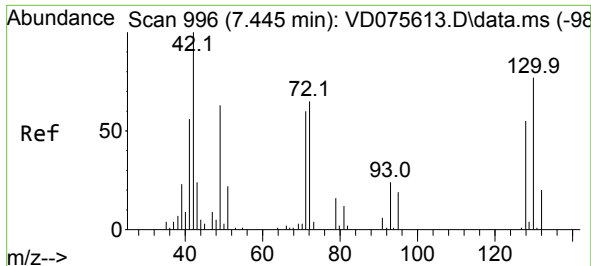
Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.2

130 117.3 56.0 84.0#





#29

Tetrahydrofuran

Concen: 233.017 ug/l

RT: 7.445 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

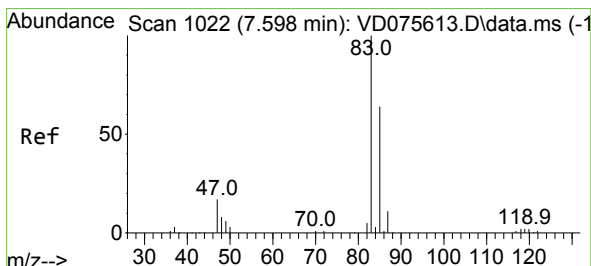
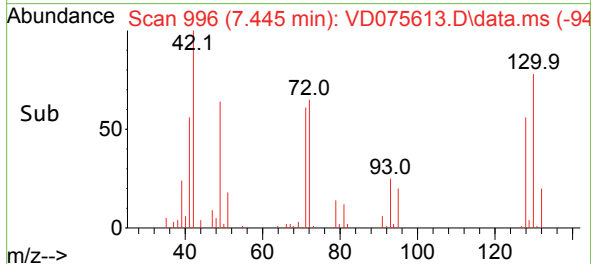
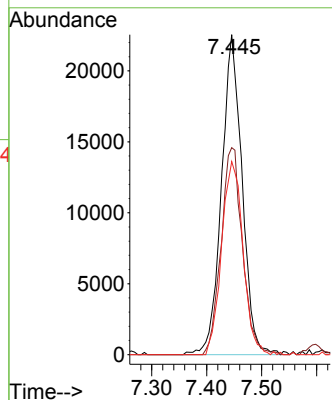
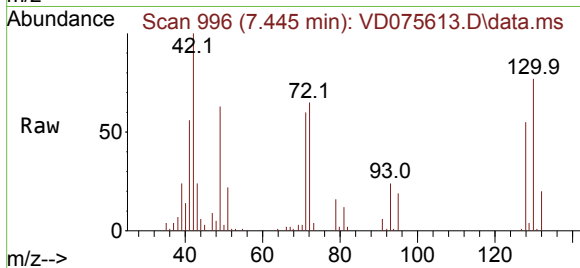
Tgt Ion: 42 Resp: 58592

Ion Ratio Lower Upper

42 100

72 67.2 31.8 47.6#

71 62.6 27.6 41.4#



#30

Chloroform

Concen: 44.776 ug/l

RT: 7.598 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075613.D

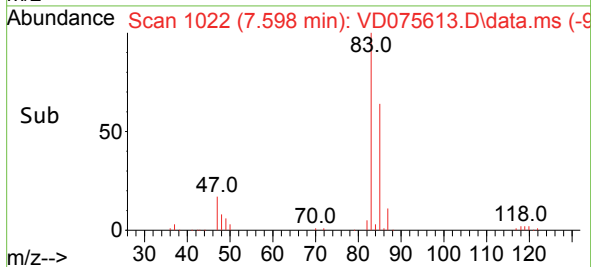
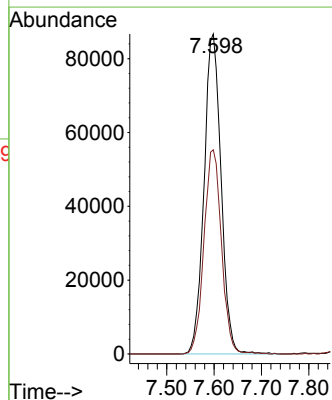
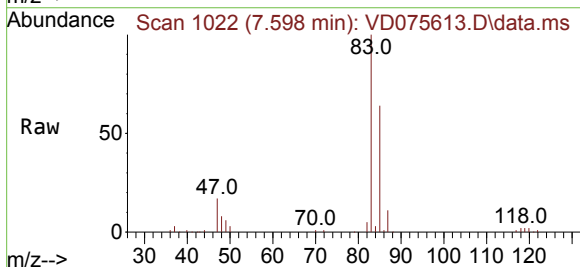
Acq: 10 Apr 2023 18:23

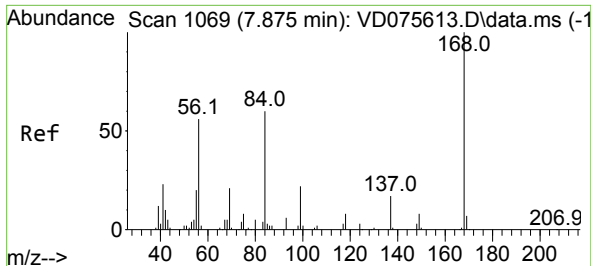
Tgt Ion: 83 Resp: 216395

Ion Ratio Lower Upper

83 100

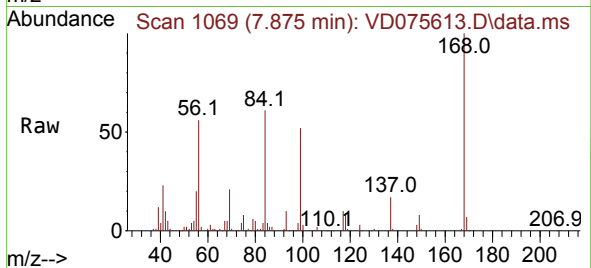
85 63.8 49.4 74.2



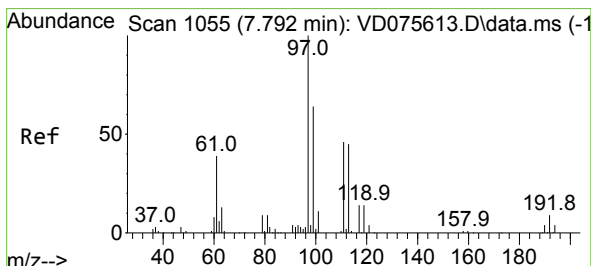
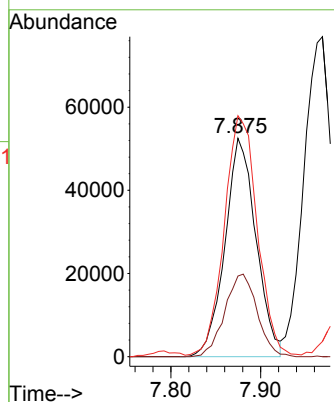
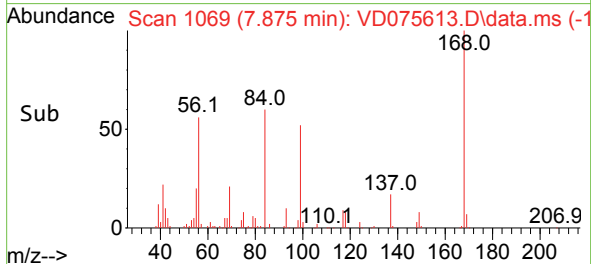


#31  
Cyclohexane  
Concen: 36.988 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

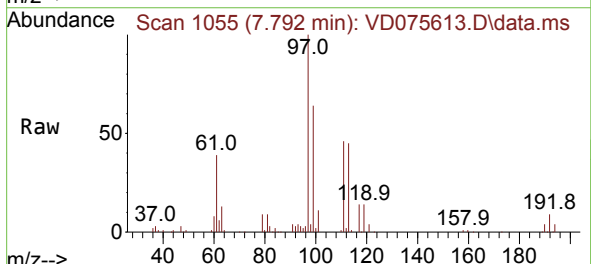
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050



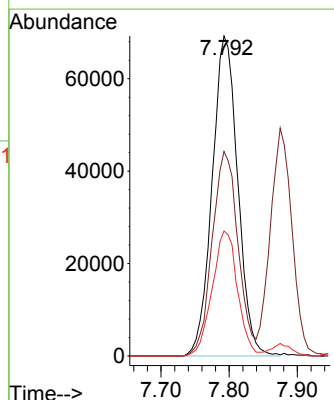
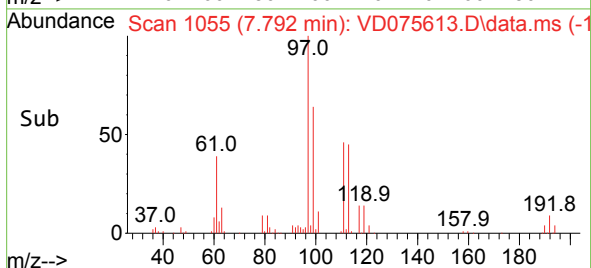
Tgt Ion: 56 Resp: 126429  
Ion Ratio Lower Upper  
56 100  
69 36.9 25.5 38.3  
84 108.6 69.6 104.4#

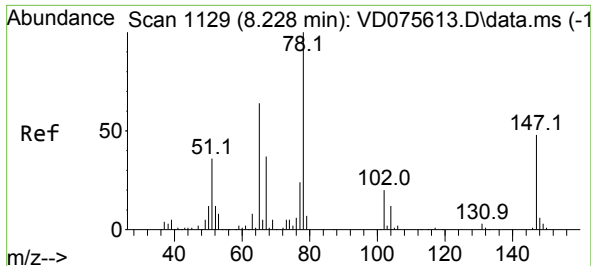


#32  
1,1,1-Trichloroethane  
Concen: 42.868 ug/l  
RT: 7.792 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23



Tgt Ion: 97 Resp: 180918  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.5 75.7  
61 38.6 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 46.380 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

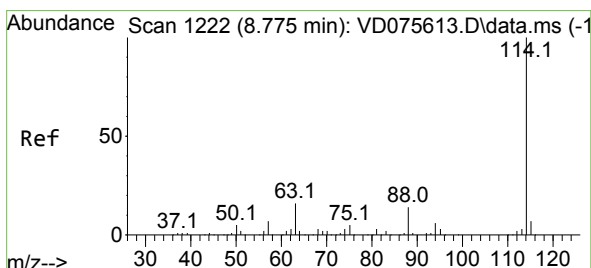
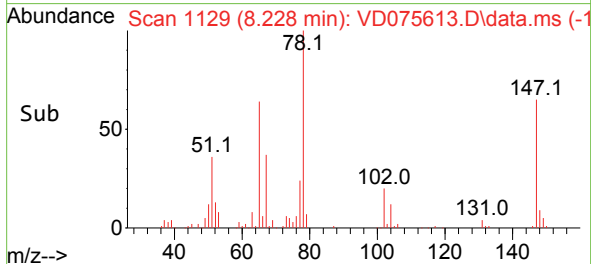
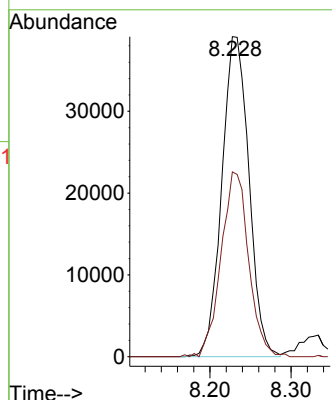
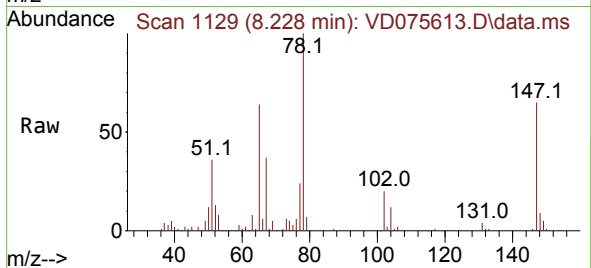
VSTDICCC050

Tgt Ion: 65 Resp: 90780

Ion Ratio Lower Upper

65 100

67 58.7 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: VD075613.D

Acq: 10 Apr 2023 18:23

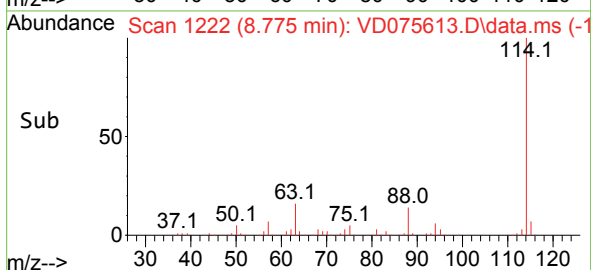
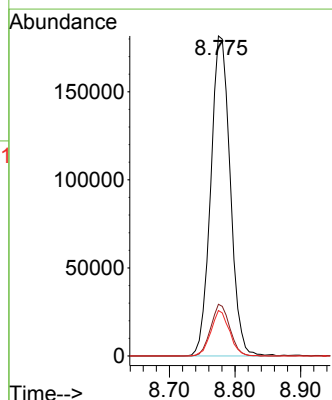
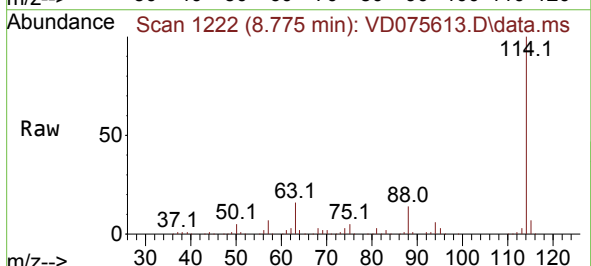
Tgt Ion: 114 Resp: 374516

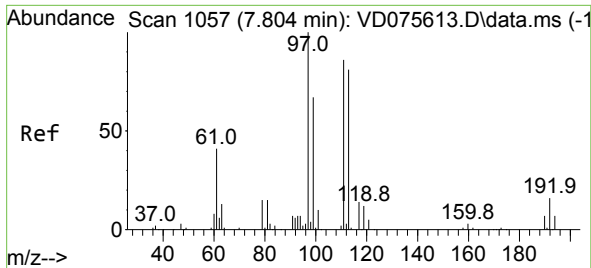
Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

88 14.2 0.0 30.6

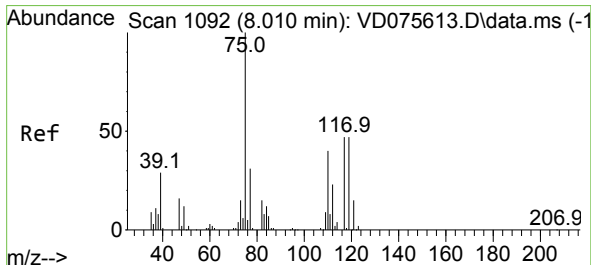
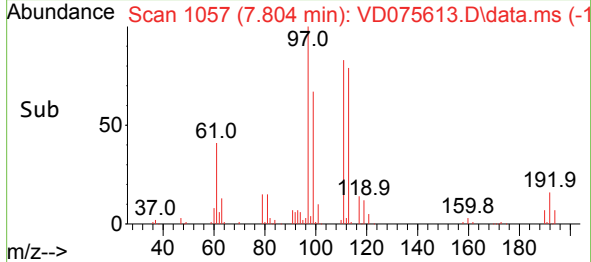
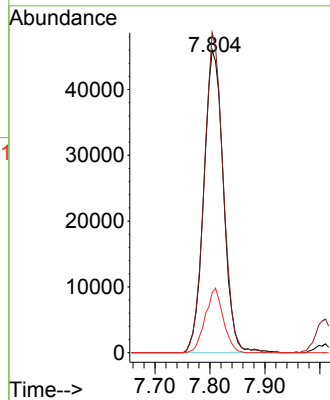
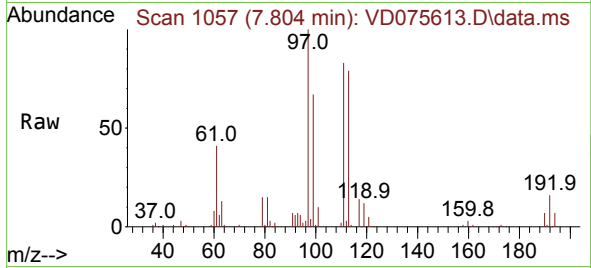




#35  
Dibromofluoromethane  
Concen: 45.555 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

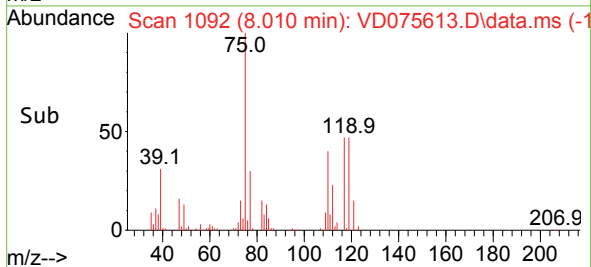
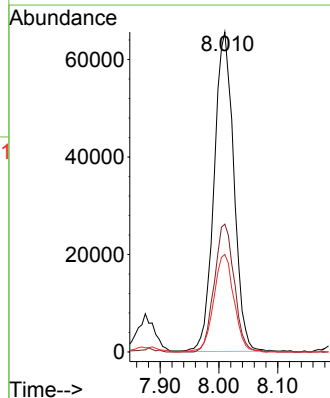
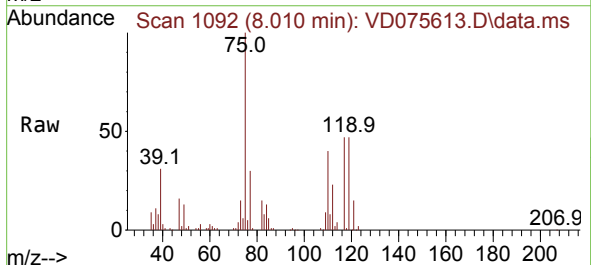
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

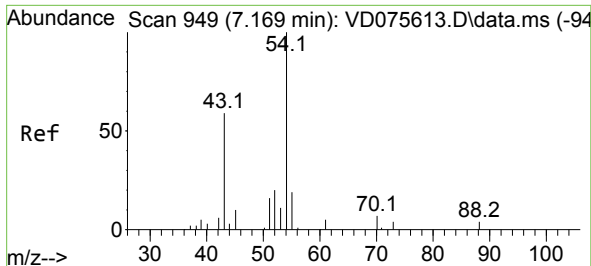
Tgt Ion:113 Resp: 113780  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.4 122.0  
192 19.6 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 41.518 ug/l  
RT: 8.010 min Scan# 1092  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 75 Resp: 152908  
Ion Ratio Lower Upper  
75 100  
110 40.4 17.1 51.2  
77 31.3 24.6 36.8

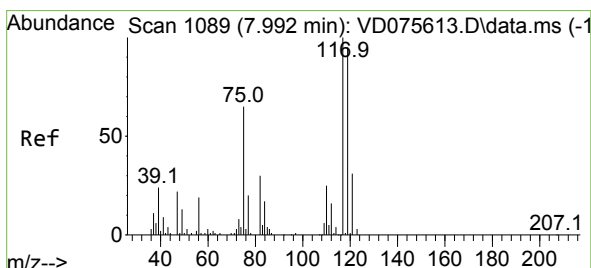
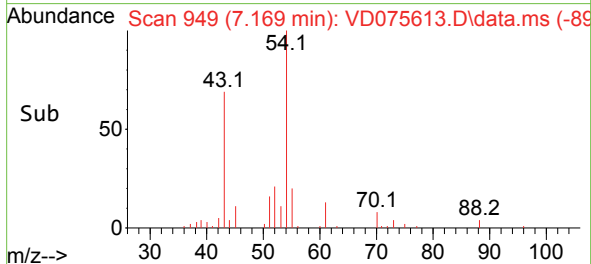
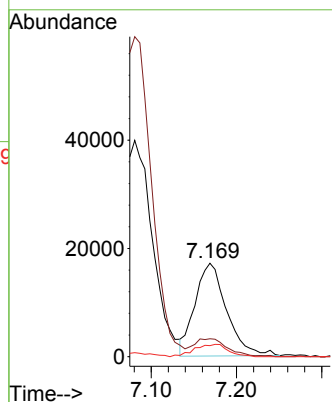
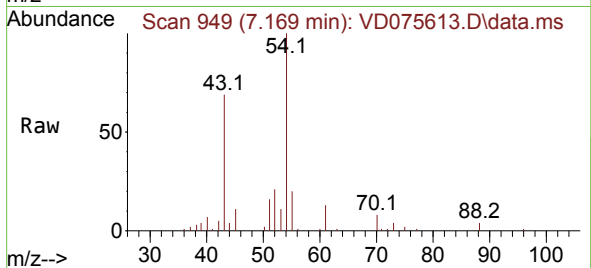




#37  
Ethyl Acetate  
Concen: 45.182 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

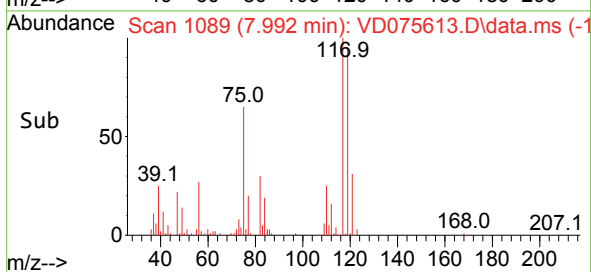
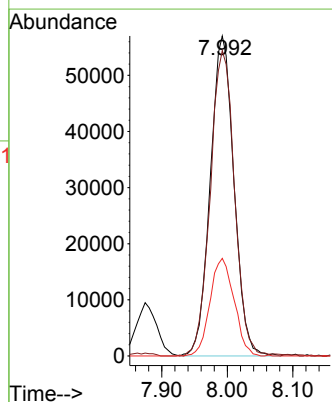
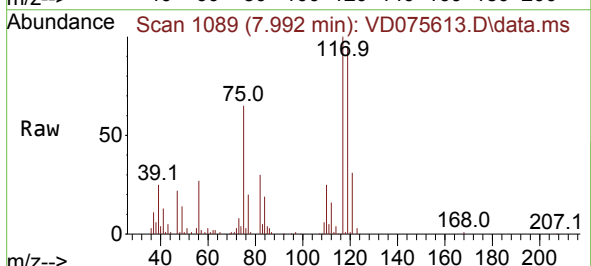
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

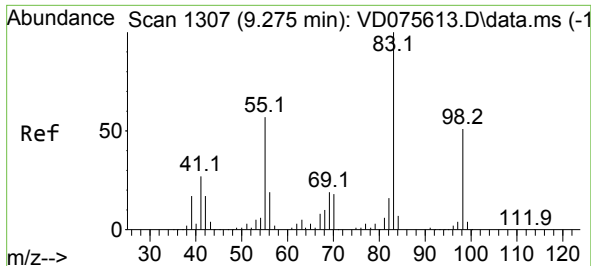
Tgt Ion: 43 Resp: 44059  
Ion Ratio Lower Upper  
43 100  
61 21.1 0.0 0.0#  
70 14.3 5.6 8.4#



#38  
Carbon Tetrachloride  
Concen: 40.681 ug/l  
RT: 7.992 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 117 Resp: 143050  
Ion Ratio Lower Upper  
117 100  
119 95.1 74.7 112.1  
121 30.5 25.9 38.9

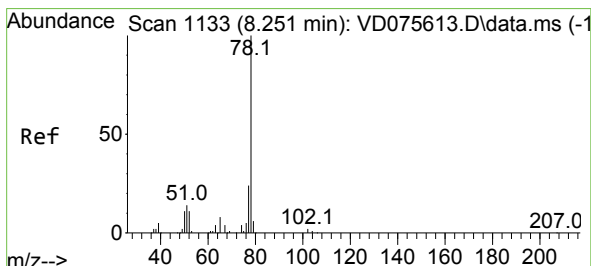
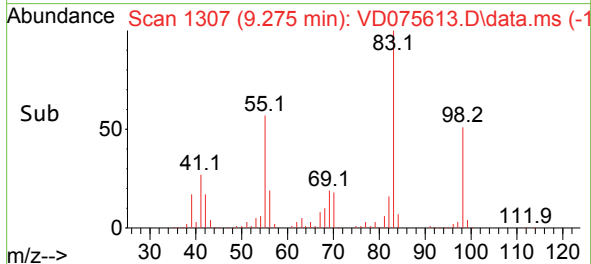
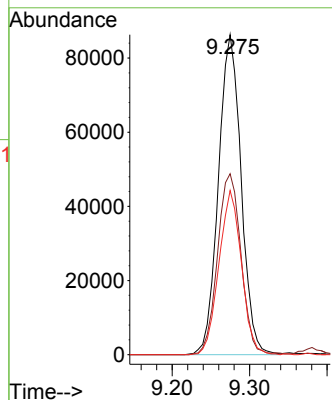
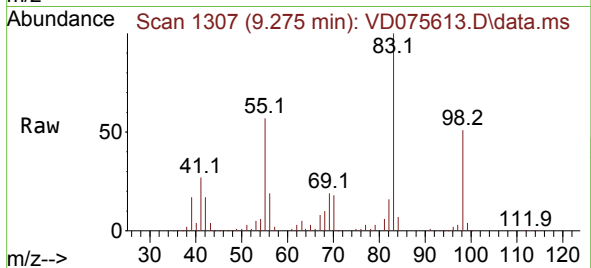




#39  
Methylcyclohexane  
Concen: 38.297 ug/l  
RT: 9.275 min Scan# 11307  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

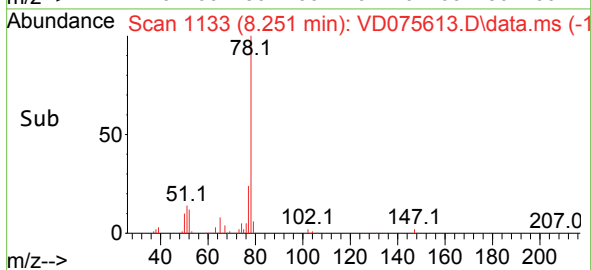
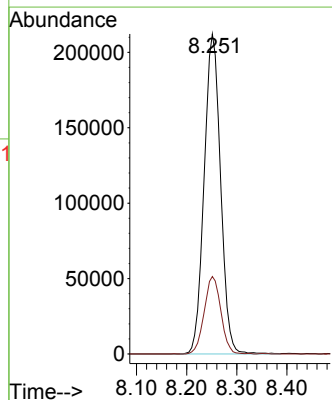
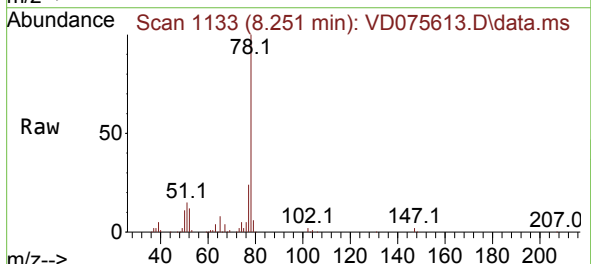
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 83 Resp: 175894  
Ion Ratio Lower Upper  
83 100  
55 56.5 56.8 85.2#  
98 51.3 38.9 58.3

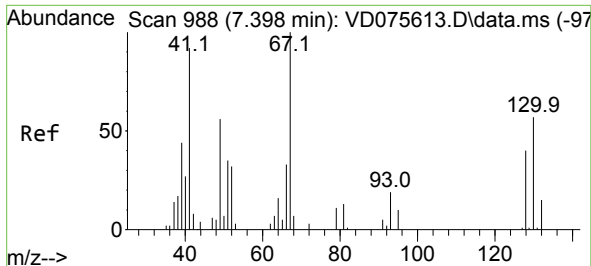


#40  
Benzene  
Concen: 43.400 ug/l  
RT: 8.251 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 78 Resp: 483551  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.1 28.7



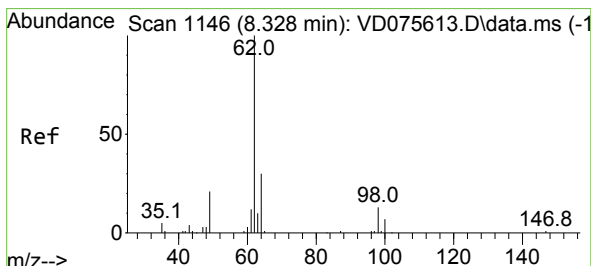
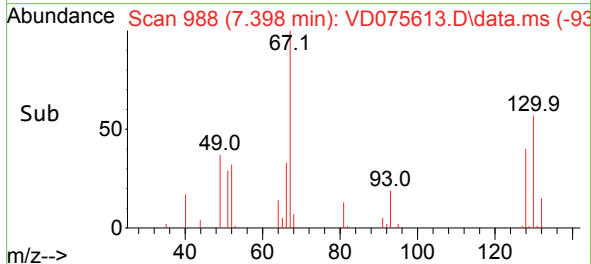
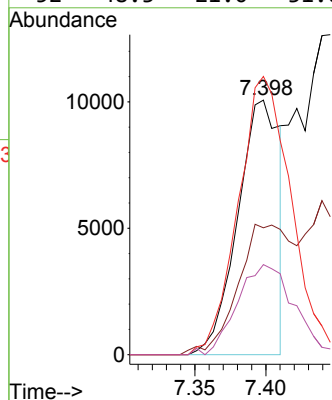
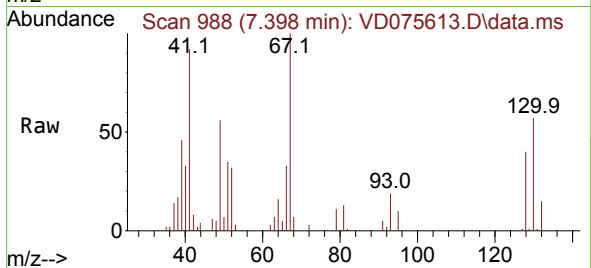




#41  
Methacrylonitrile  
Concen: 40.008 ug/l  
RT: 7.398 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

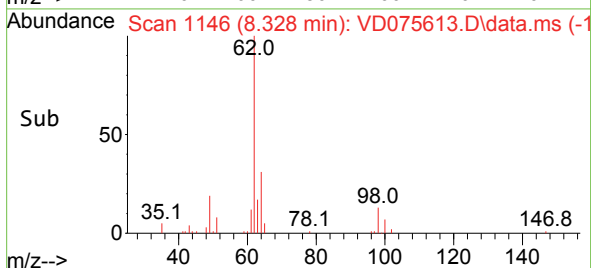
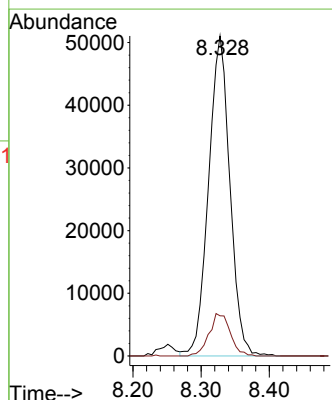
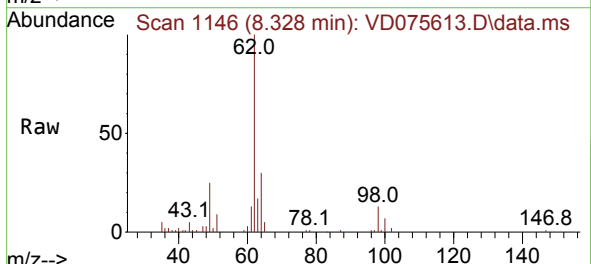
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

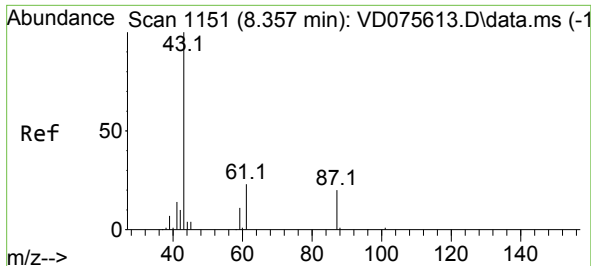
Tgt Ion: 41 Resp: 20680  
Ion Ratio Lower Upper  
41 100  
39 67.7 45.3 67.9  
67 138.1 50.5 75.7#  
52 48.3 21.0 31.6#



#42  
1,2-Dichloroethane  
Concen: 45.134 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 62 Resp: 111424  
Ion Ratio Lower Upper  
62 100  
98 13.1 0.0 18.8

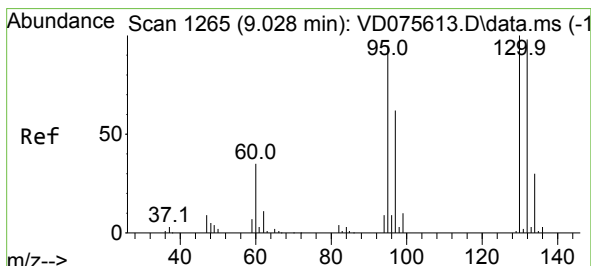
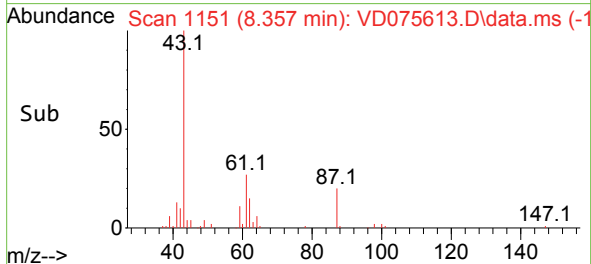
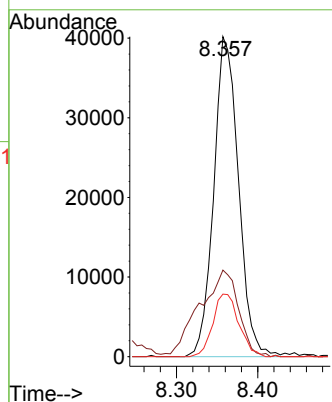
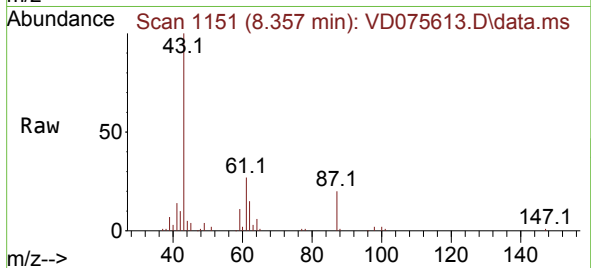




#43  
Isopropyl Acetate  
Concen: 46.868 ug/l  
RT: 8.357 min Scan# 1151  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

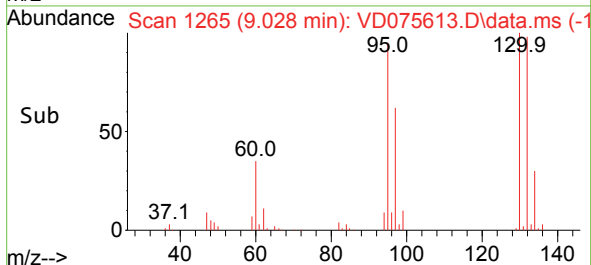
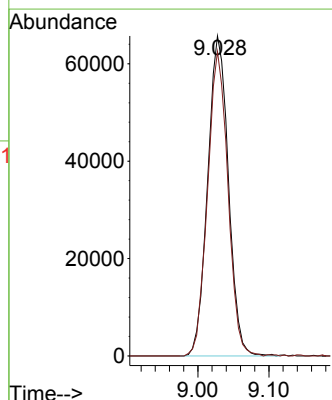
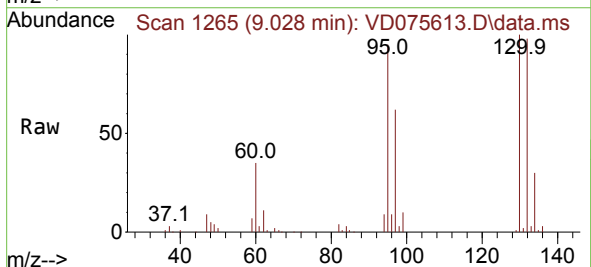
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

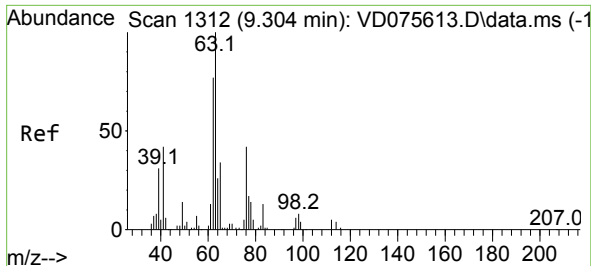
Tgt Ion: 43 Resp: 85063  
Ion Ratio Lower Upper  
43 100  
61 42.5 23.4 35.0#  
87 20.6 9.5 14.3#



#44  
Trichloroethene  
Concen: 40.899 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion:130 Resp: 133296  
Ion Ratio Lower Upper  
130 100  
95 95.2 0.0 197.6





#45

1,2-Dichloropropane

Concen: 45.487 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

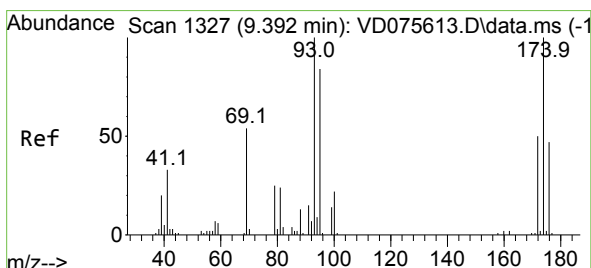
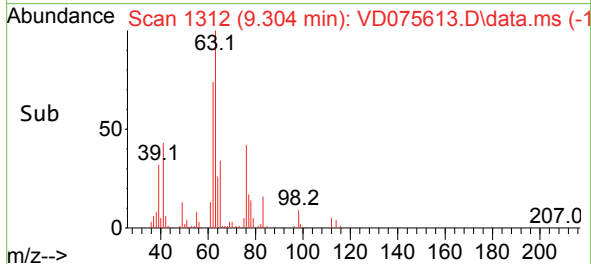
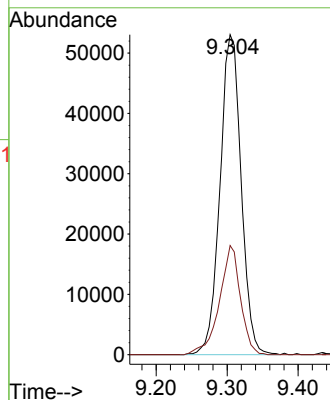
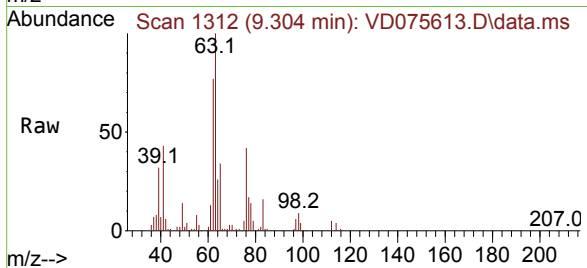
VSTDICCC050

Tgt Ion: 63 Resp: 109644

Ion Ratio Lower Upper

63 100

65 34.1 23.0 34.4



#46

Dibromomethane

Concen: 46.509 ug/l

RT: 9.392 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

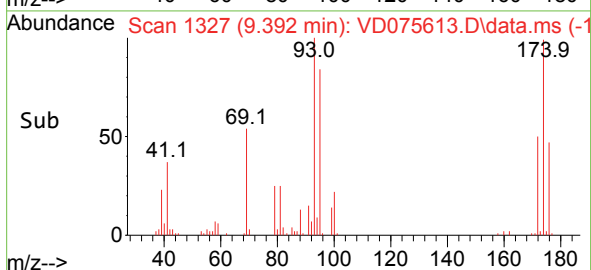
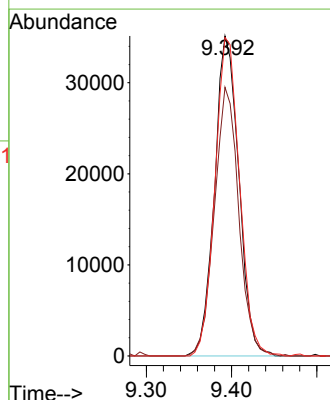
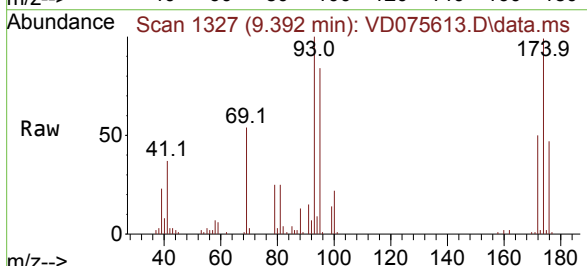
Tgt Ion: 93 Resp: 69470

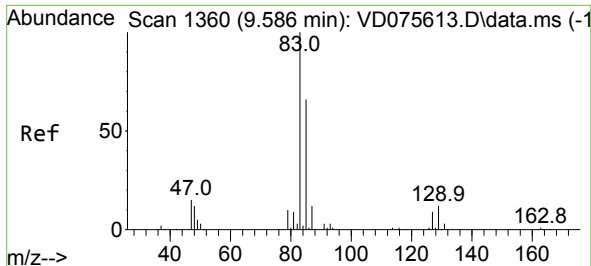
Ion Ratio Lower Upper

93 100

95 84.5 64.5 96.7

174 100.6 76.2 114.4

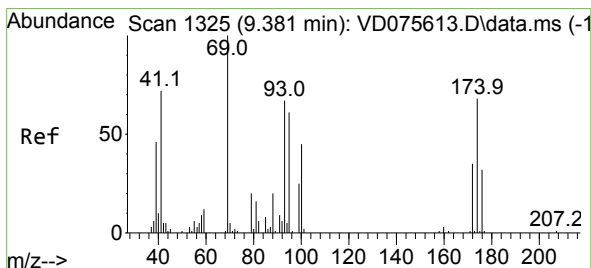
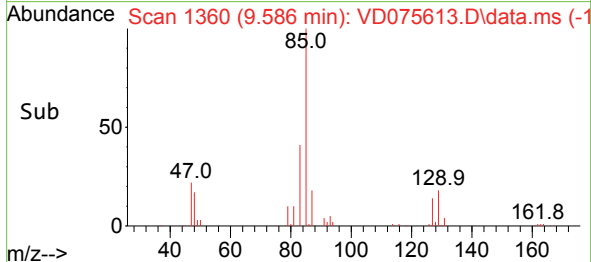
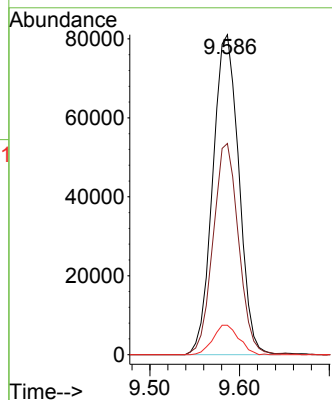
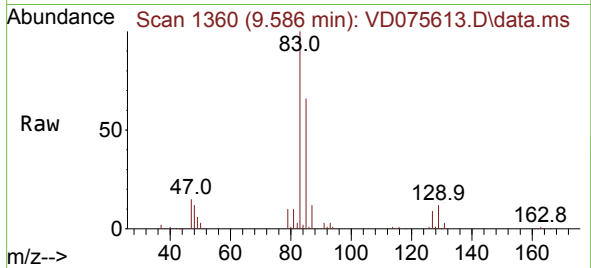




#47  
Bromodichloromethane  
Concen: 45.380 ug/l  
RT: 9.586 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

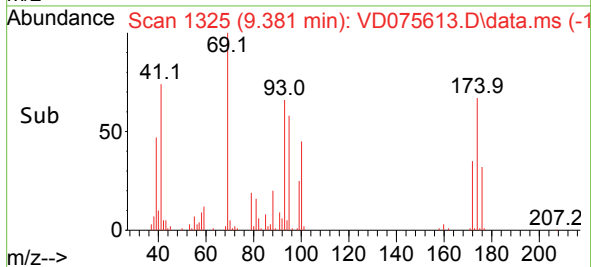
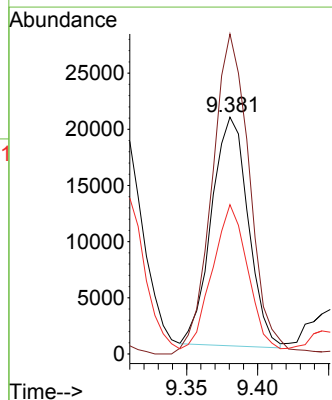
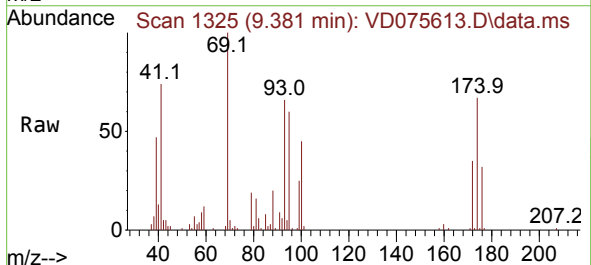
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

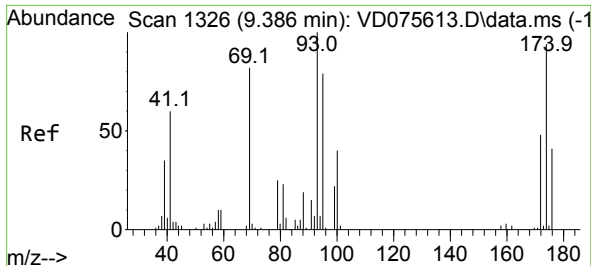
Tgt Ion: 83 Resp: 163329  
Ion Ratio Lower Upper  
83 100  
85 66.0 53.7 80.5  
127 9.2 7.0 10.6



#48  
Methyl methacrylate  
Concen: 43.353 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 41 Resp: 36663  
Ion Ratio Lower Upper  
41 100  
69 143.3 58.6 88.0#  
39 65.1 53.4 80.0





#49

1,4-Dioxane

Concen: 932.060 ug/l

RT: 9.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

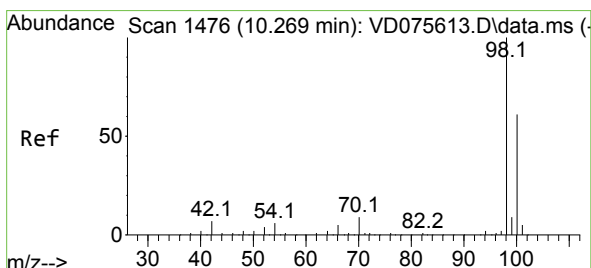
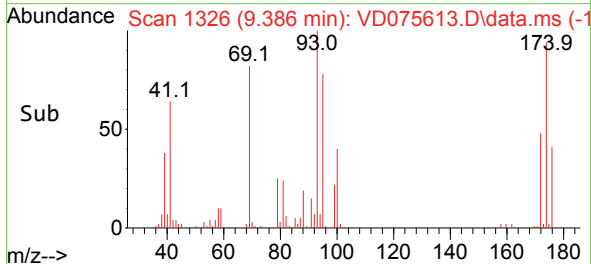
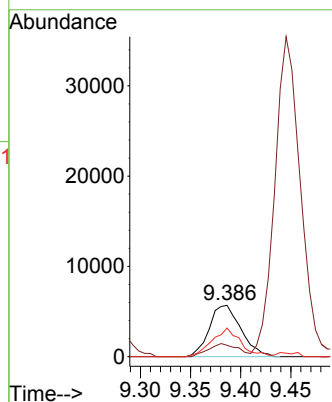
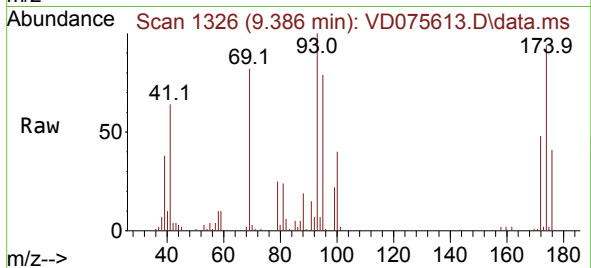
Tgt Ion: 88 Resp: 12497

Ion Ratio Lower Upper

88 100

43 24.1 34.6 51.8#

58 50.1 58.0 87.0#



#50

Toluene-d8

Concen: 46.033 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075613.D

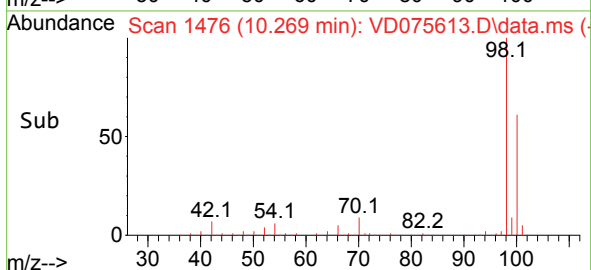
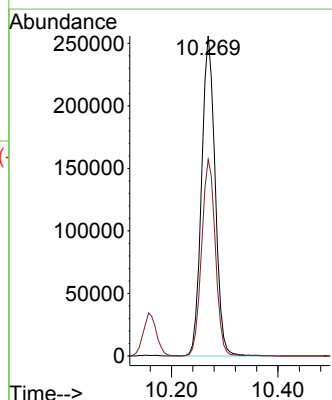
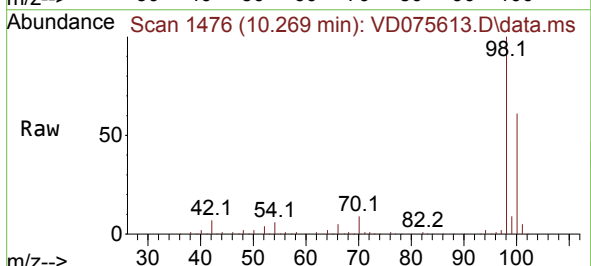
Acq: 10 Apr 2023 18:23

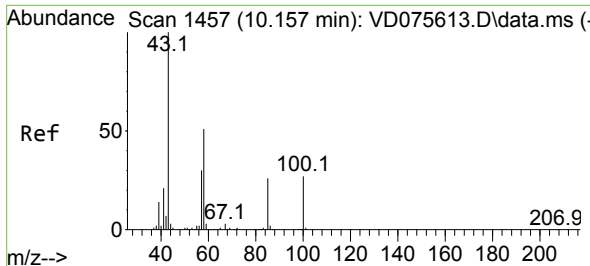
Tgt Ion: 98 Resp: 450902

Ion Ratio Lower Upper

98 100

100 62.4 52.1 78.1

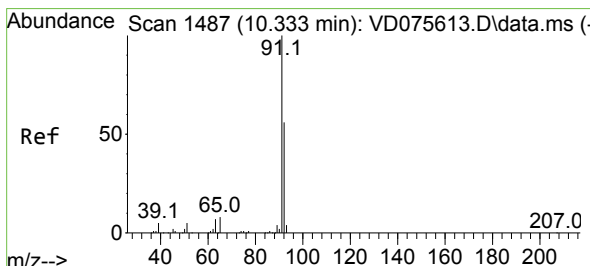
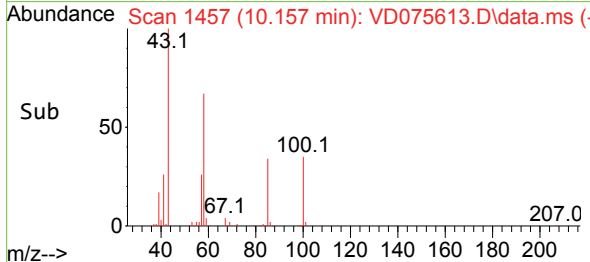
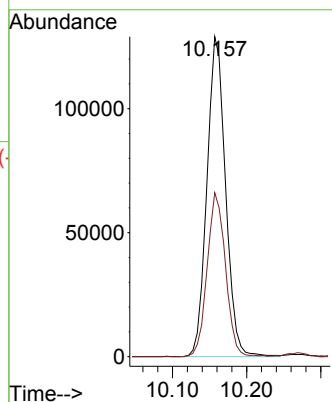
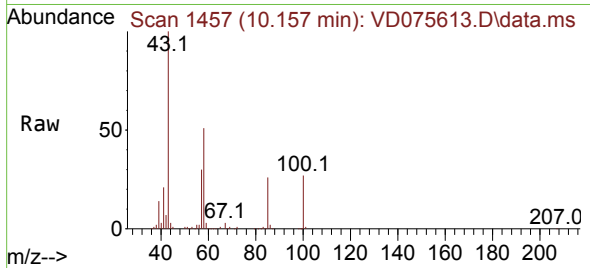




#51  
4-Methyl-2-Pentanone  
Concen: 238.807 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

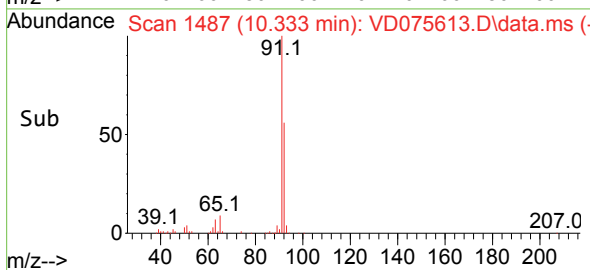
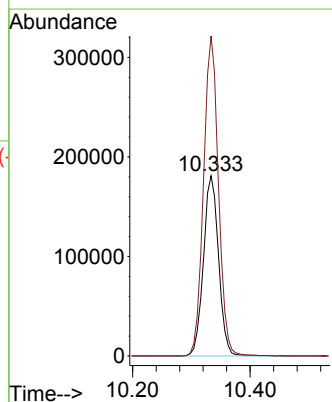
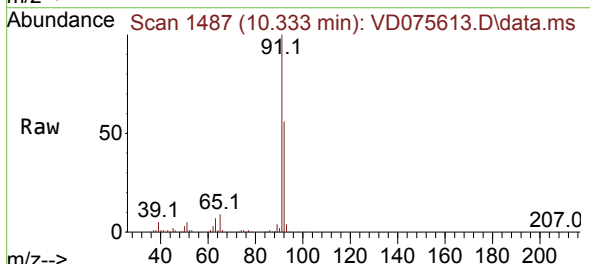
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

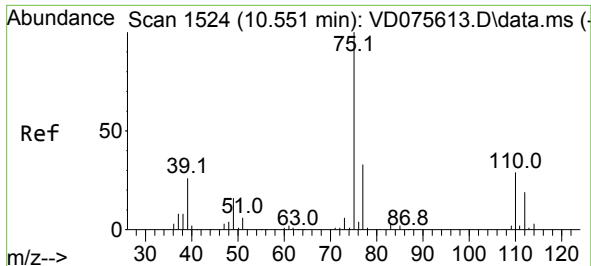
Tgt Ion: 43 Resp: 225582  
Ion Ratio Lower Upper  
43 100  
58 50.4 29.5 44.3#



#52  
Toluene  
Concen: 44.777 ug/l  
RT: 10.333 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 92 Resp: 322856  
Ion Ratio Lower Upper  
92 100  
91 175.2 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 46.546 ug/l

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

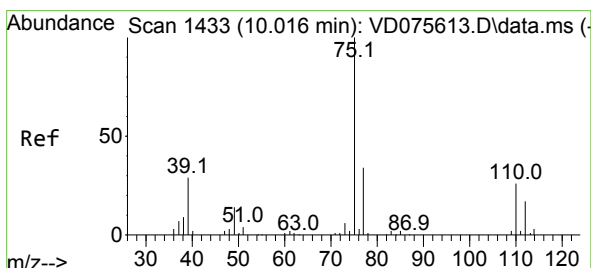
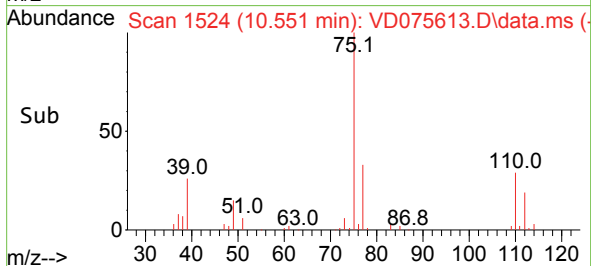
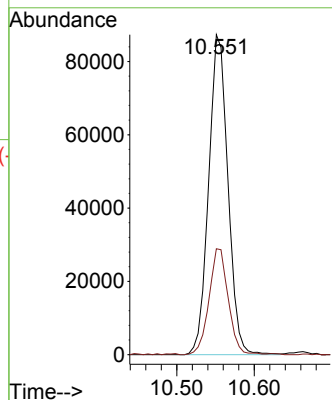
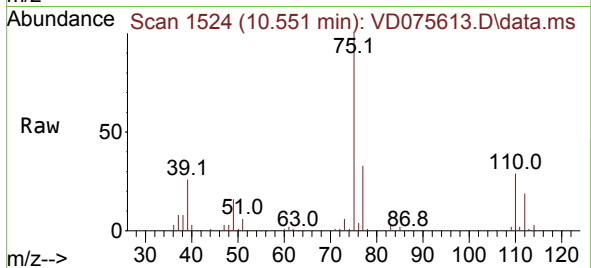
VSTDICCC050

Tgt Ion: 75 Resp: 150810

Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 45.937 ug/l

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

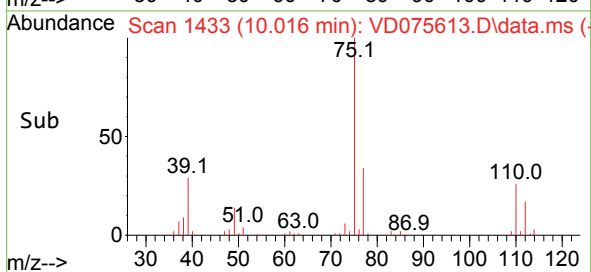
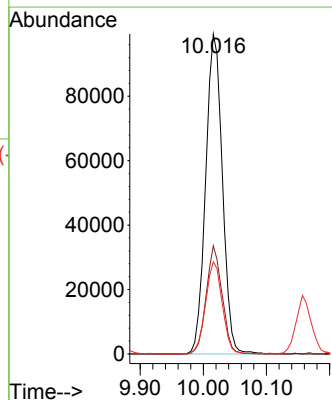
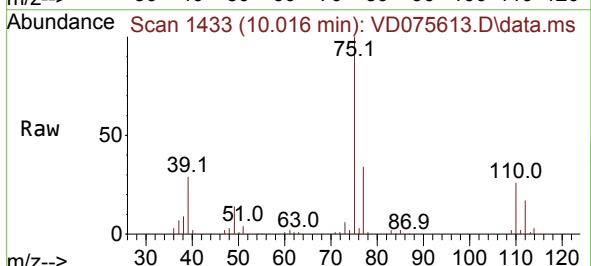
Tgt Ion: 75 Resp: 182650

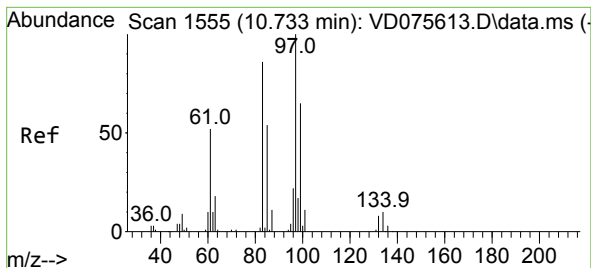
Ion Ratio Lower Upper

75 100

77 33.8 25.6 38.4

39 28.8 44.8 67.2#





#55

1,1,2-Trichloroethane

Concen: 47.154 ug/l

RT: 10.733 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 99871

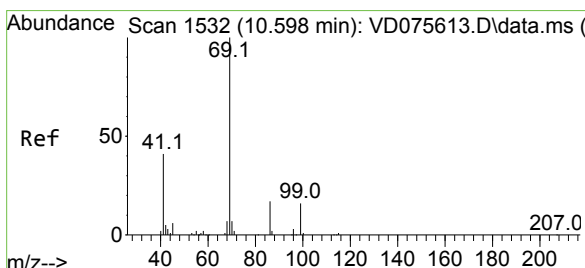
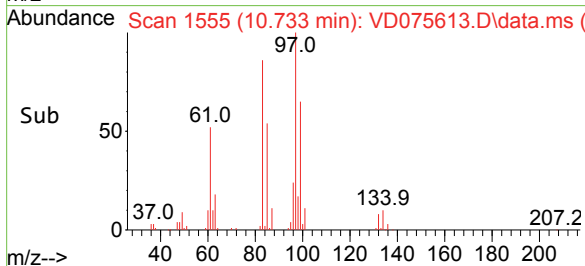
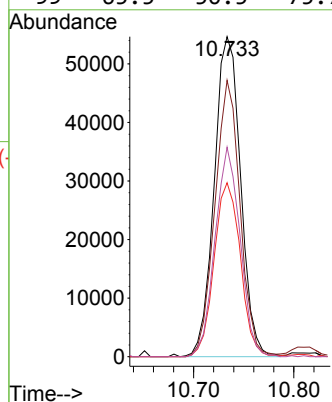
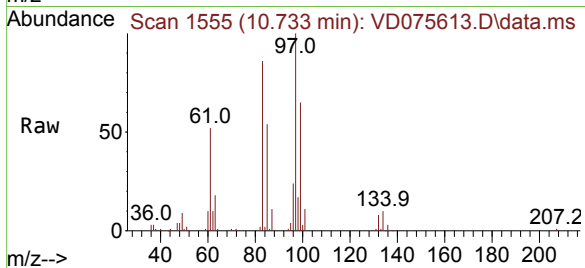
Ion Ratio Lower Upper

97 100

83 86.3 74.2 111.4

85 54.3 45.4 68.0

99 65.5 50.5 75.7



#56

Ethyl methacrylate

Concen: 49.725 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

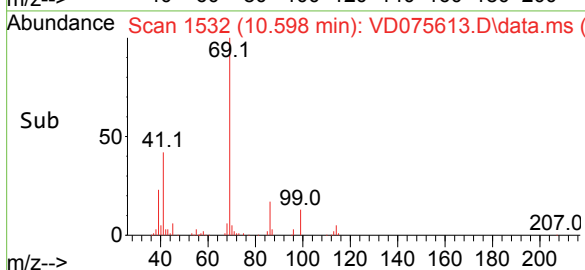
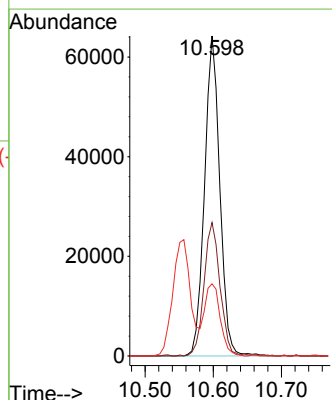
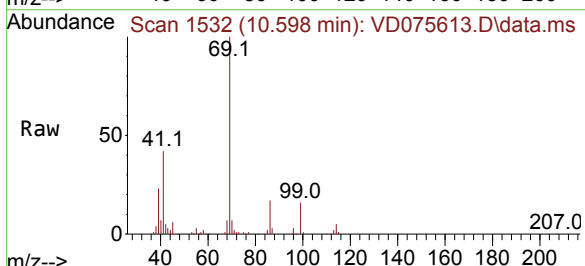
Tgt Ion: 69 Resp: 100187

Ion Ratio Lower Upper

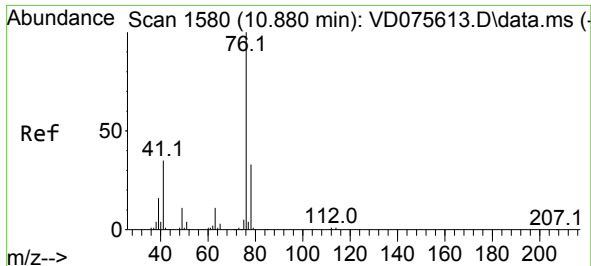
69 100

41 43.9 59.3 88.9#

39 22.8 36.0 54.0#







#57

1,3-Dichloropropane

Concen: 46.478 ug/l

RT: 10.880 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

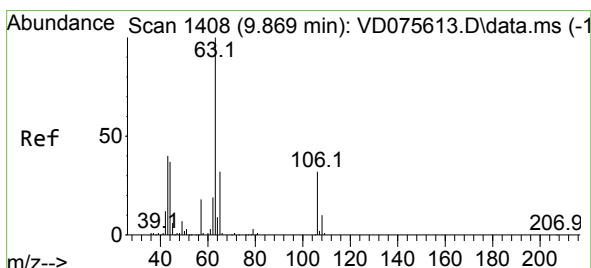
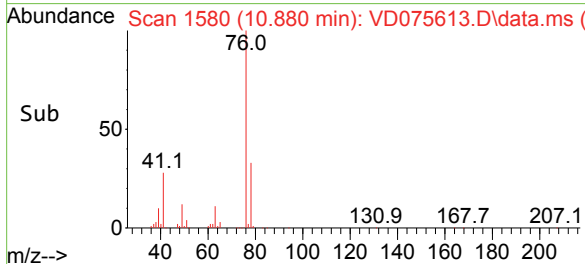
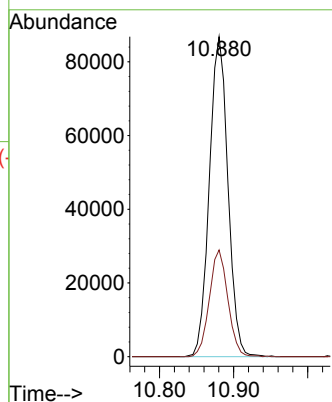
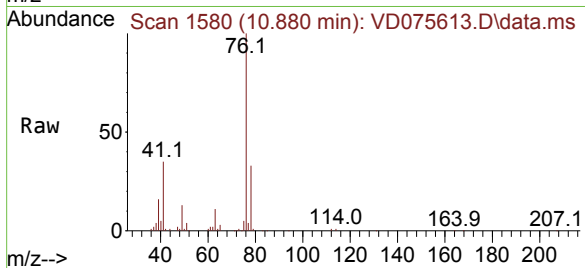
VSTDICCC050

Tgt Ion: 76 Resp: 151045

Ion Ratio Lower Upper

76 100

78 33.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 234.706 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD075613.D

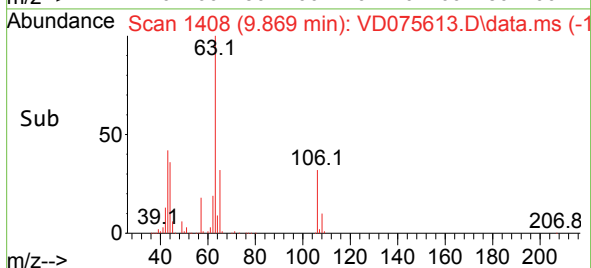
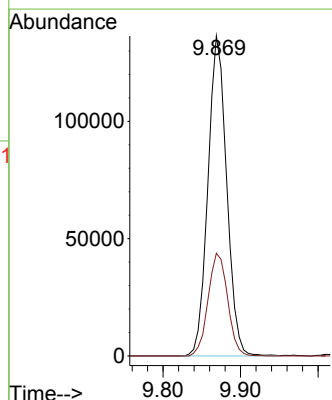
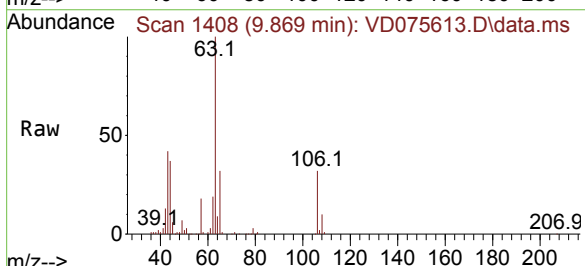
Acq: 10 Apr 2023 18:23

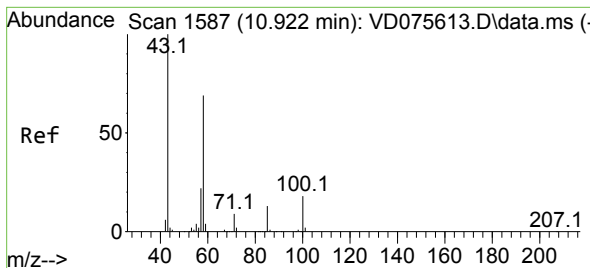
Tgt Ion: 63 Resp: 229118

Ion Ratio Lower Upper

63 100

106 33.4 21.4 32.2#

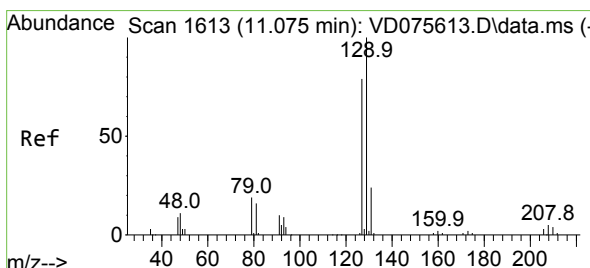
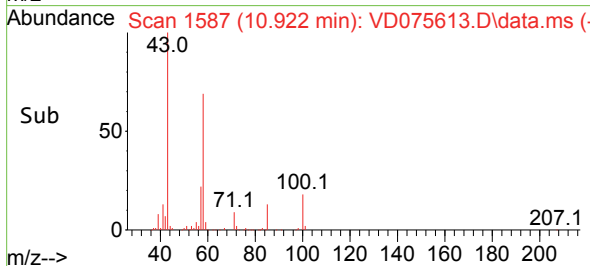
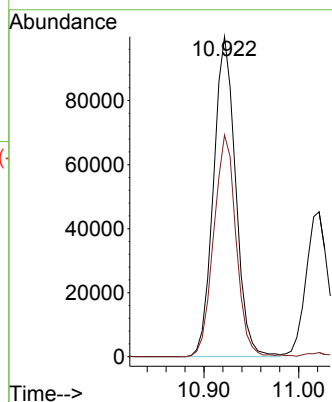
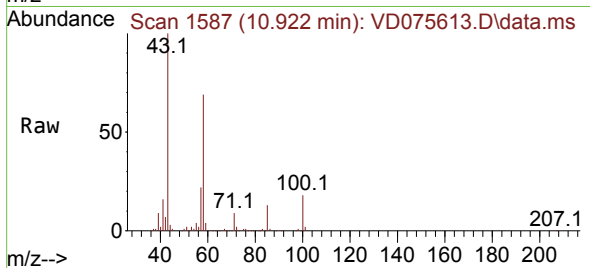




#59  
2-Hexanone  
Concen: 243.233 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

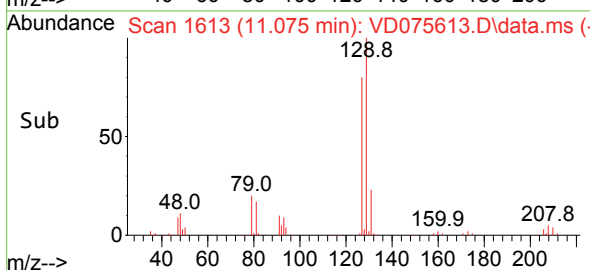
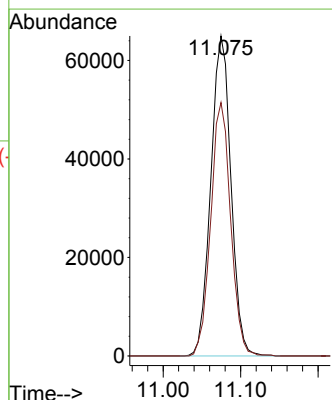
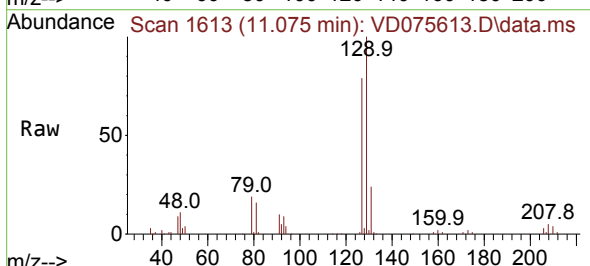
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

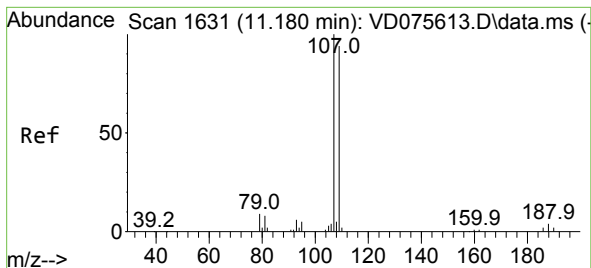
Tgt Ion: 43 Resp: 161831  
Ion Ratio Lower Upper  
43 100  
58 70.2 25.3 75.8



#60  
Dibromochloromethane  
Concen: 46.955 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 129 Resp: 117380  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.1 114.5

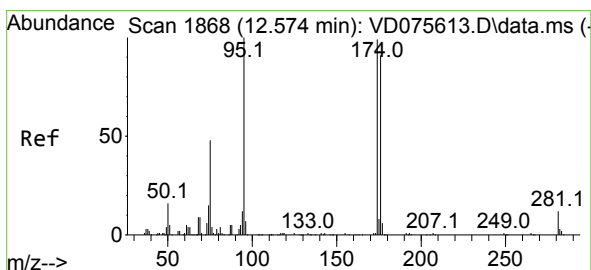
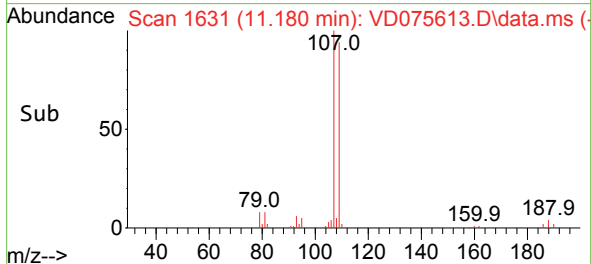
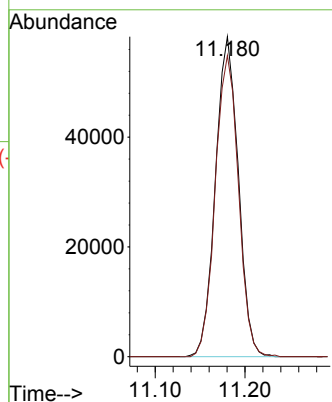
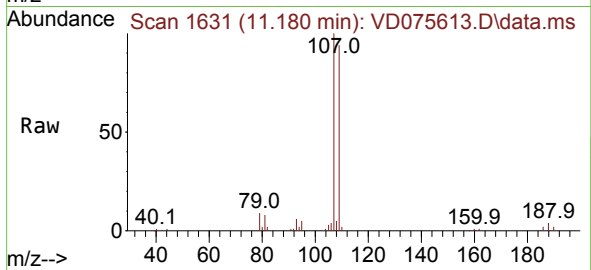




#61  
1,2-Dibromoethane  
Concen: 51.086 ug/l  
RT: 11.180 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

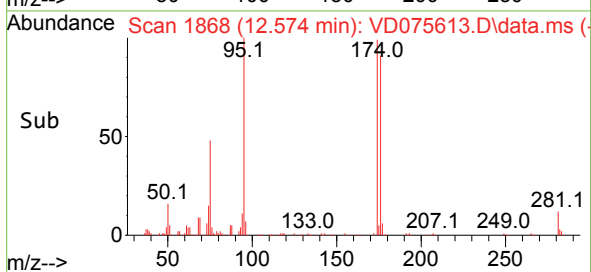
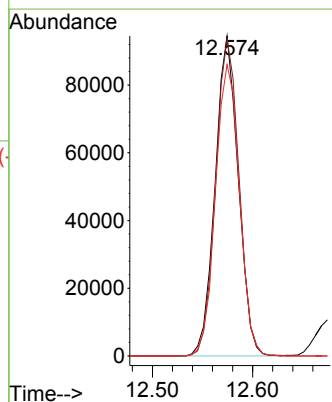
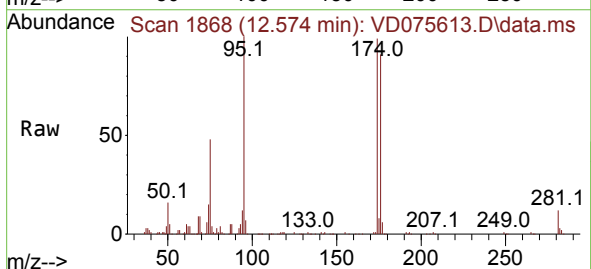
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

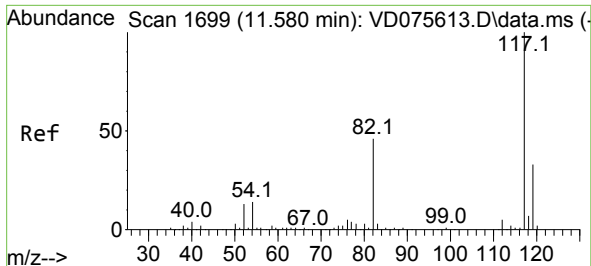
Tgt Ion:107 Resp: 103187  
Ion Ratio Lower Upper  
107 100  
109 95.6 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 51.842 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 95 Resp: 151350  
Ion Ratio Lower Upper  
95 100  
174 99.7 0.0 164.0  
176 94.7 0.0 156.8

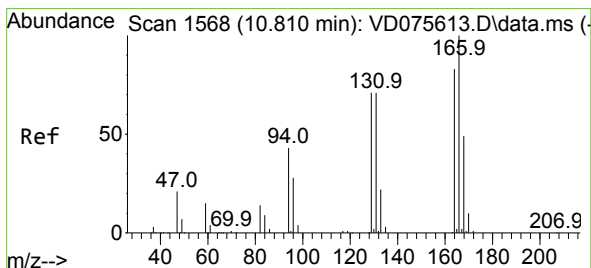
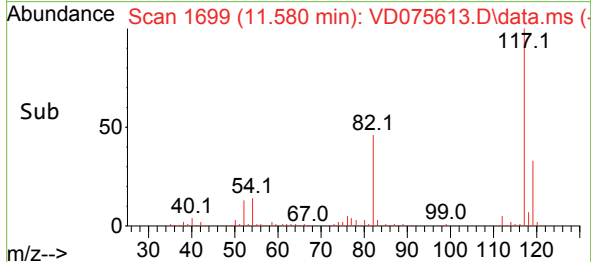
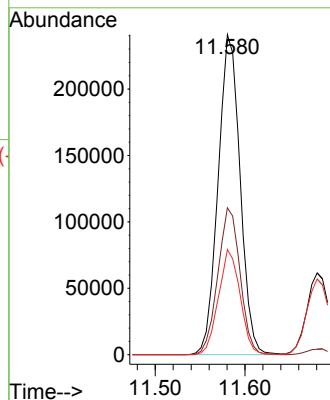
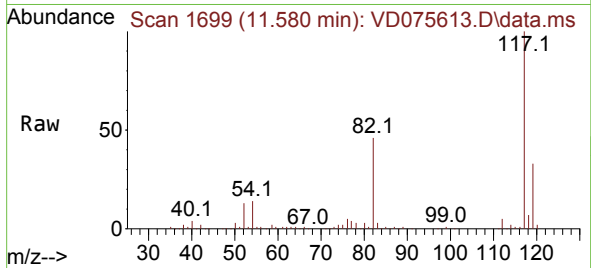




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

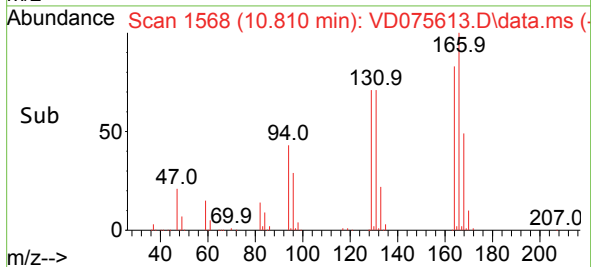
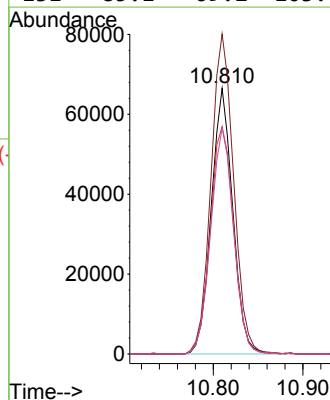
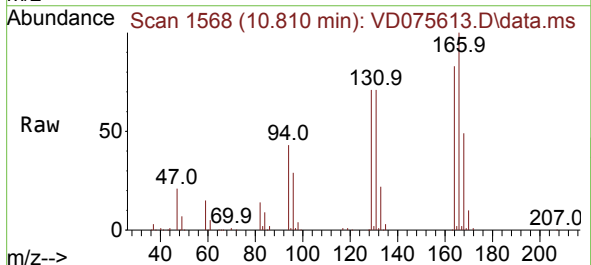
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

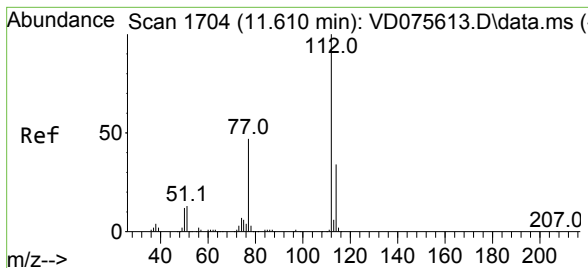
Tgt Ion:117 Resp: 410348  
Ion Ratio Lower Upper  
117 100  
82 45.9 44.0 66.0  
119 32.8 25.1 37.7



#64  
Tetrachloroethene  
Concen: 36.201 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion:164 Resp: 110966  
Ion Ratio Lower Upper  
164 100  
166 120.5 94.9 142.3  
129 85.5 73.0 109.6  
131 85.1 69.2 103.8

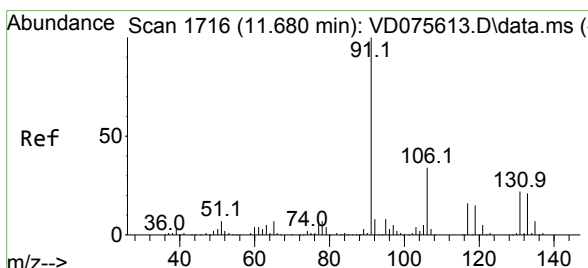
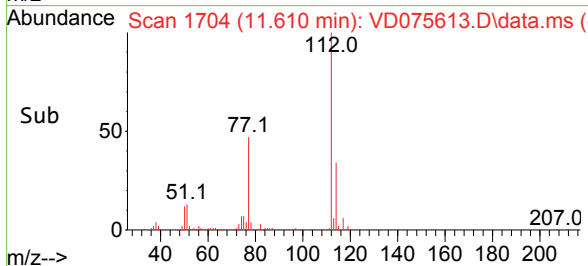
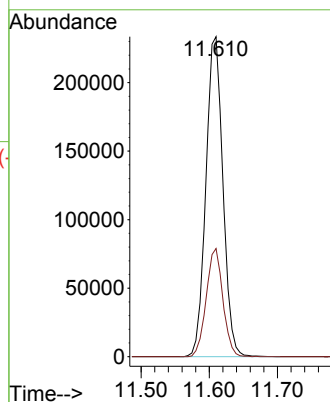
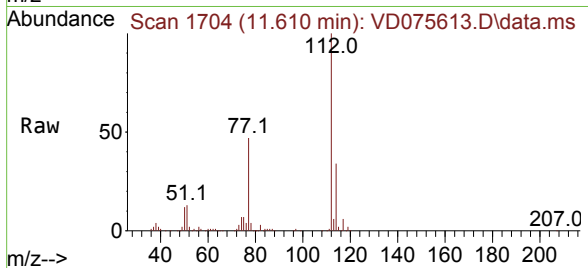




#65  
Chlorobenzene  
Concen: 42.783 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

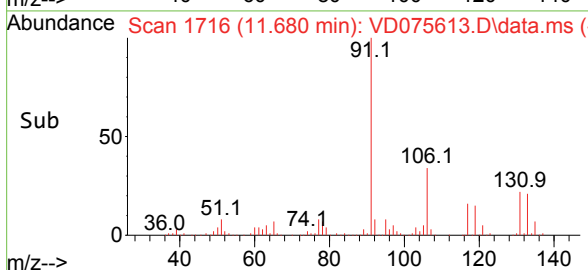
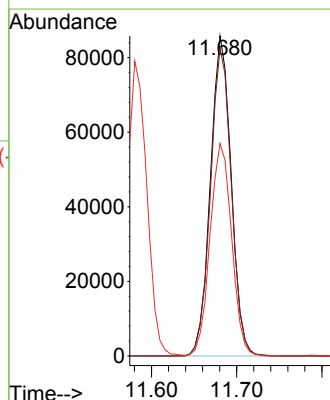
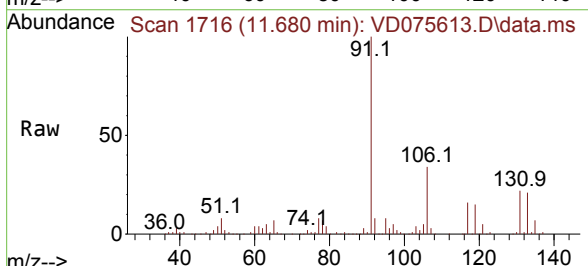
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

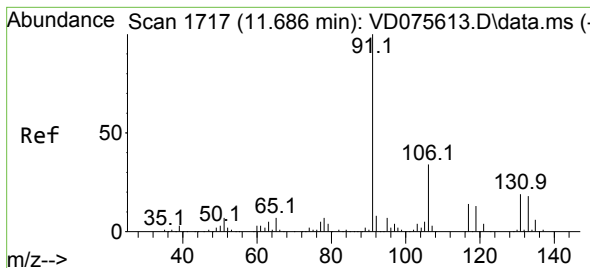
Tgt Ion:112 Resp: 405244  
Ion Ratio Lower Upper  
112 100  
114 33.8 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 44.483 ug/l  
RT: 11.680 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion:131 Resp: 145172  
Ion Ratio Lower Upper  
131 100  
133 96.4 46.7 140.0  
119 69.0 31.9 95.9





#67

Ethyl Benzene

Concen: 41.594 ug/l

RT: 11.686 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

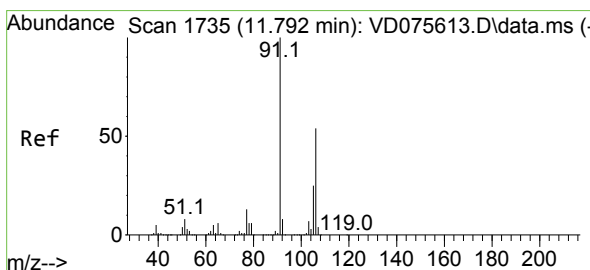
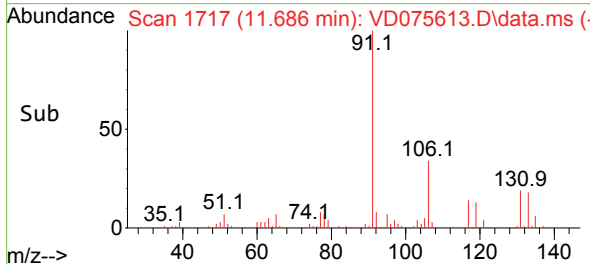
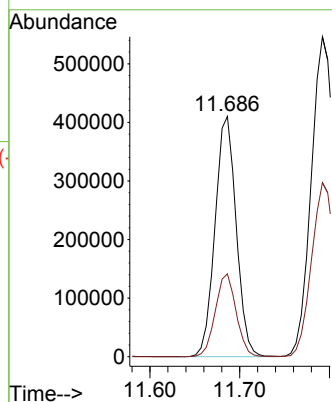
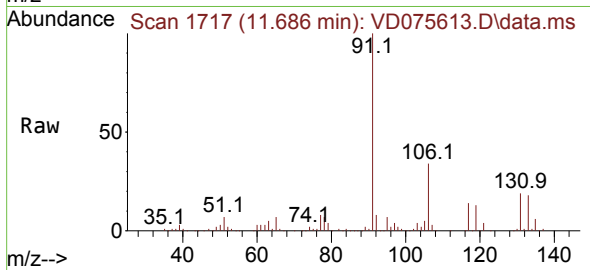
VSTDICCC050

Tgt Ion: 91 Resp: 671221

Ion Ratio Lower Upper

91 100

106 34.5 24.5 36.7



#68

m/p-Xylenes

Concen: 85.564 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD075613.D

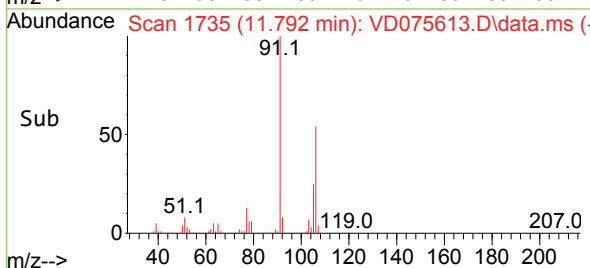
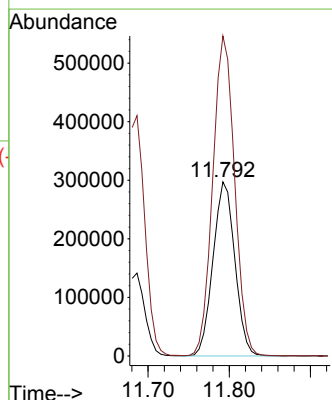
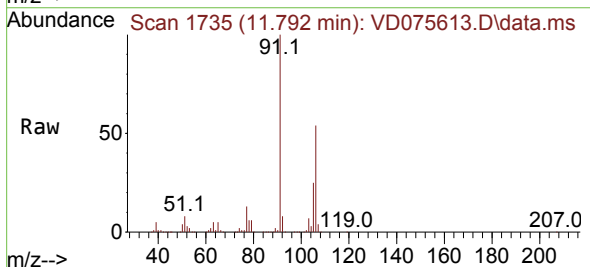
Acq: 10 Apr 2023 18:23

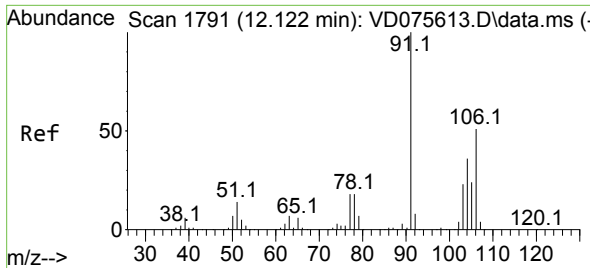
Tgt Ion: 106 Resp: 555466

Ion Ratio Lower Upper

106 100

91 184.0 161.5 242.3

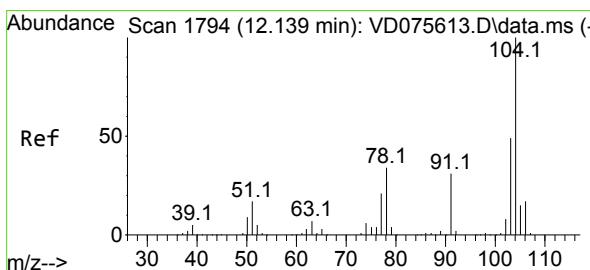
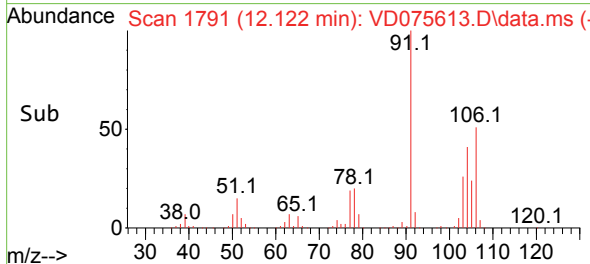
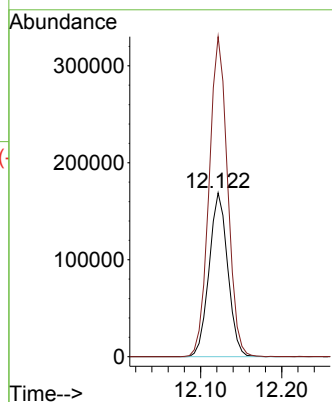
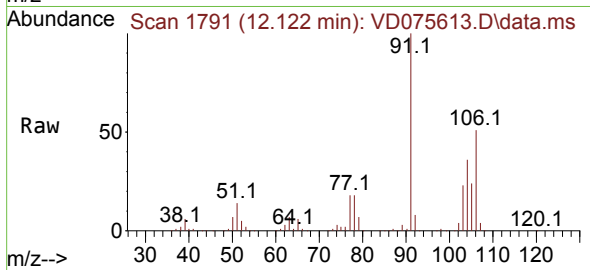




#69  
o-Xylene  
Concen: 44.254 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

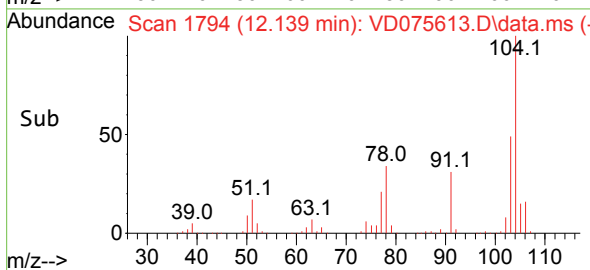
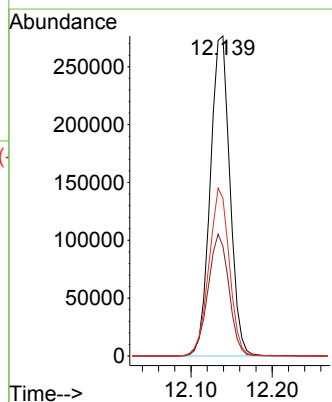
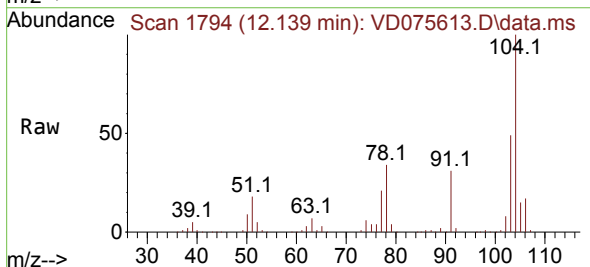
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

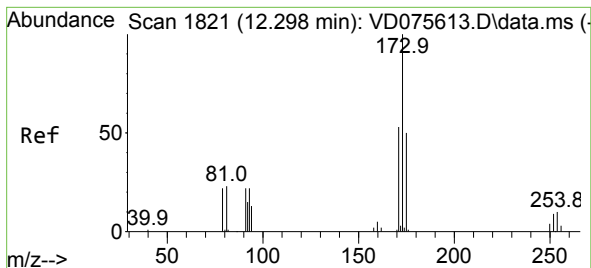
Tgt Ion:106 Resp: 268499  
Ion Ratio Lower Upper  
106 100  
91 194.5 105.7 317.1



#70  
Styrene  
Concen: 45.803 ug/l  
RT: 12.139 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion:104 Resp: 464094  
Ion Ratio Lower Upper  
104 100  
78 40.6 40.2 60.4  
103 54.6 44.2 66.2





#71

Bromoform

Concen: 48.341 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

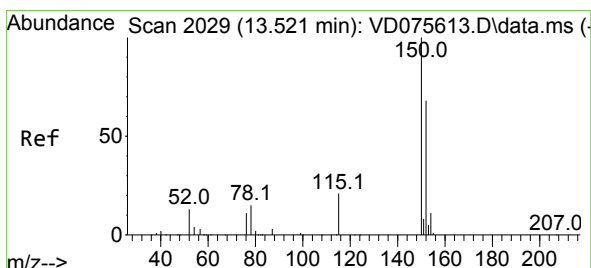
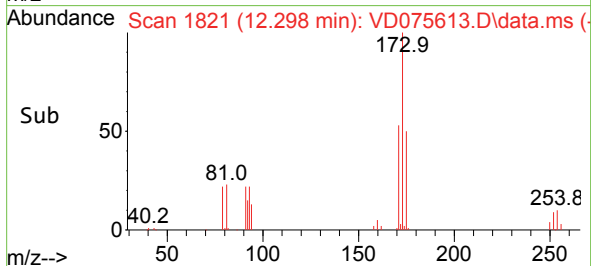
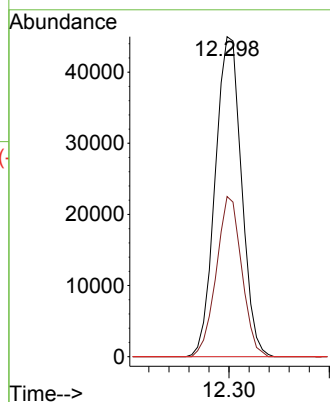
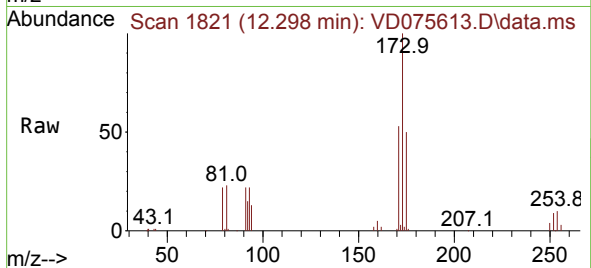
Tgt Ion:173 Resp: 81821

Ion Ratio Lower Upper

173 100

175 48.4 23.5 70.5

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.521 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

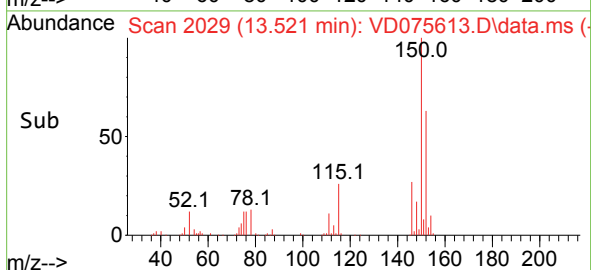
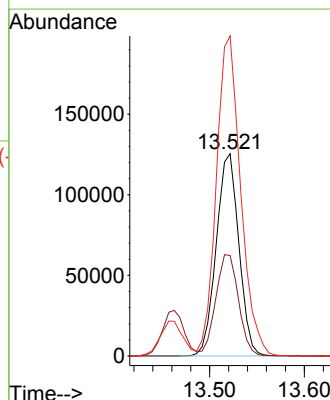
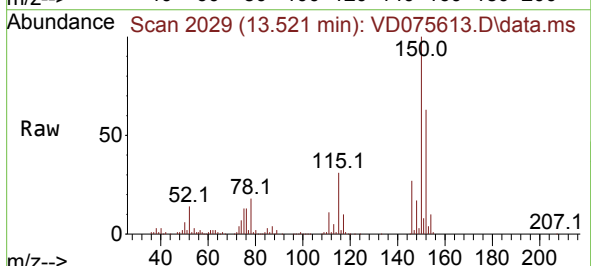
Tgt Ion:152 Resp: 208229

Ion Ratio Lower Upper

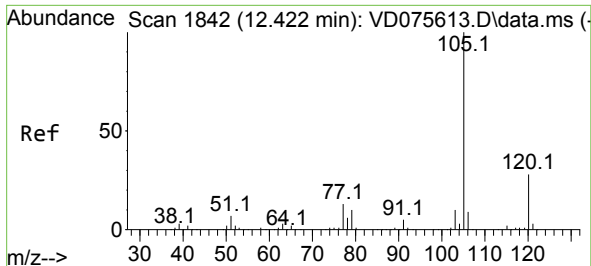
152 100

115 50.6 30.1 90.3

150 170.1 0.0 364.8



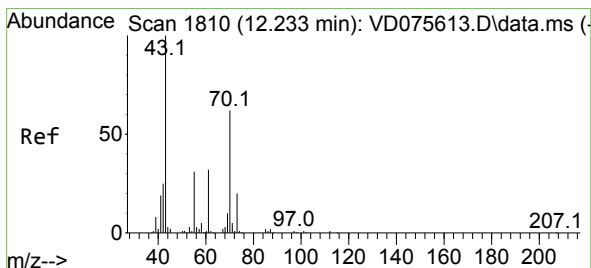
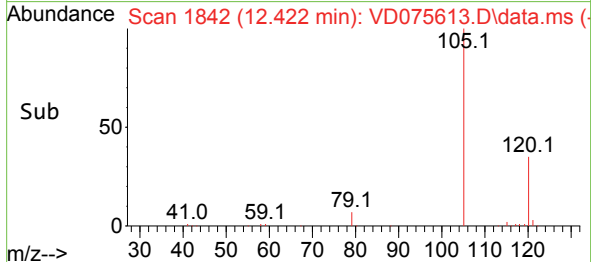
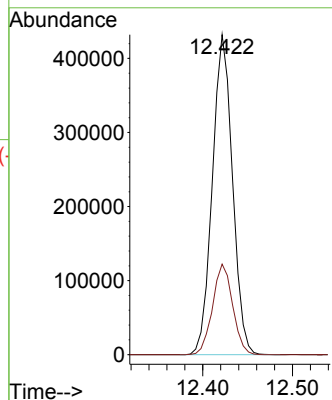
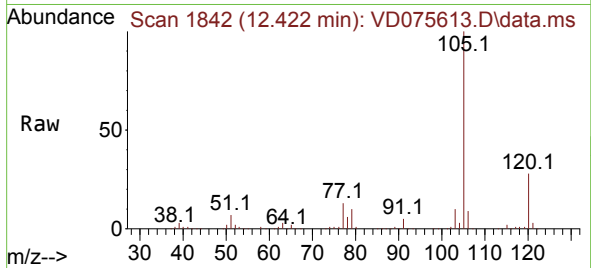




#73  
Isopropylbenzene  
Concen: 41.738 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

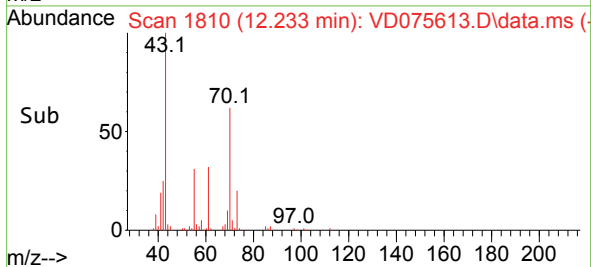
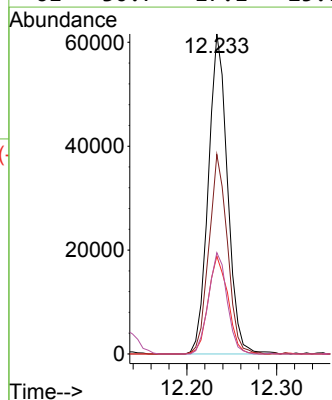
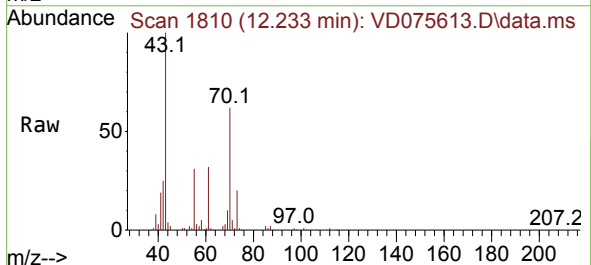
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

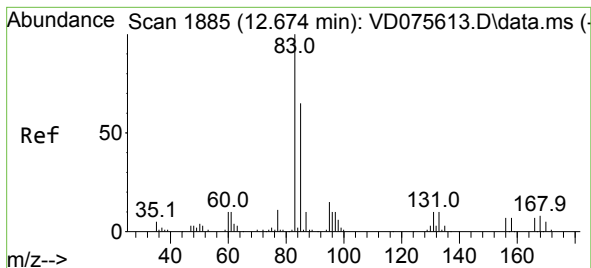
Tgt Ion:105 Resp: 672110  
Ion Ratio Lower Upper  
105 100  
120 28.2 13.4 40.1



#74  
N-ethyl acetate  
Concen: 44.828 ug/l  
RT: 12.233 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 43 Resp: 91382  
Ion Ratio Lower Upper  
43 100  
70 60.3 31.0 46.4#  
55 31.4 18.6 28.0#  
61 30.7 17.1 25.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 42.892 ug/l

RT: 12.674 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

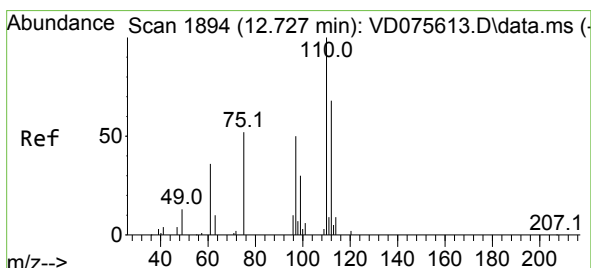
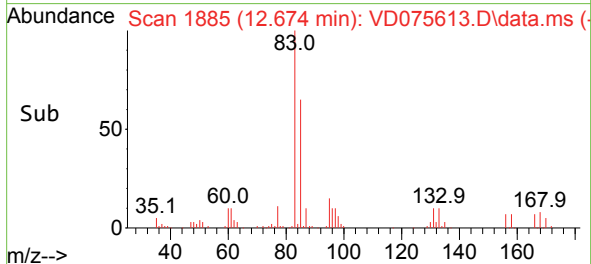
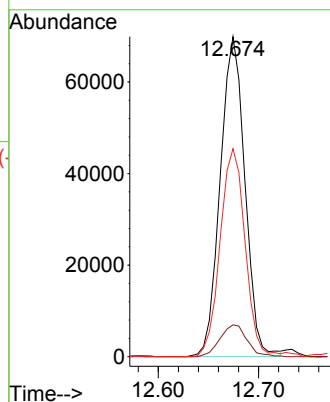
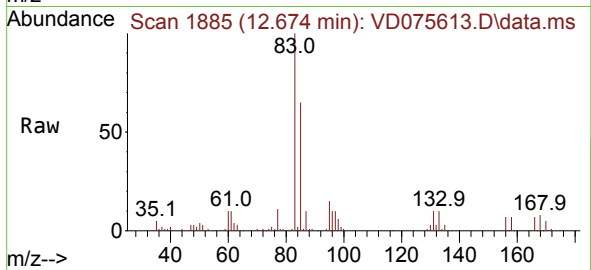
Tgt Ion: 83 Resp: 119152

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.2

85 66.3 33.6 100.6



#76

1,2,3-Trichloropropane

Concen: 76.670 ug/l

RT: 12.727 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075613.D

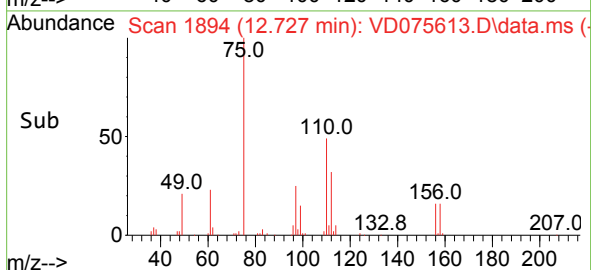
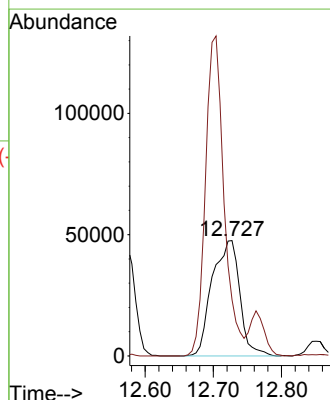
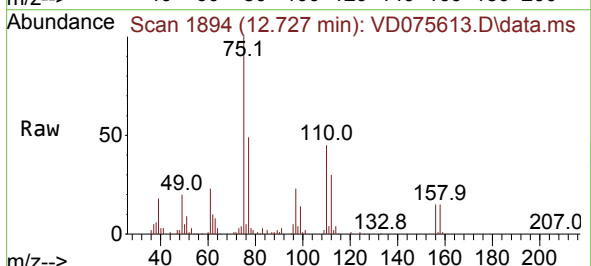
Acq: 10 Apr 2023 18:23

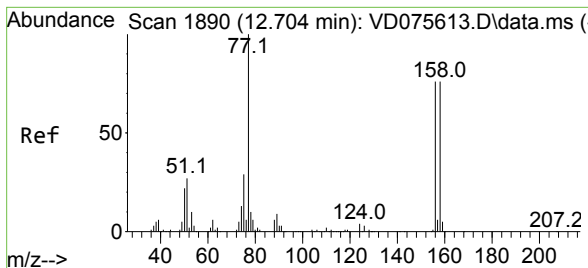
Tgt Ion: 75 Resp: 134170

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.522 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

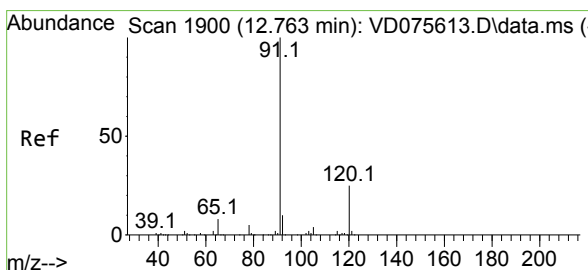
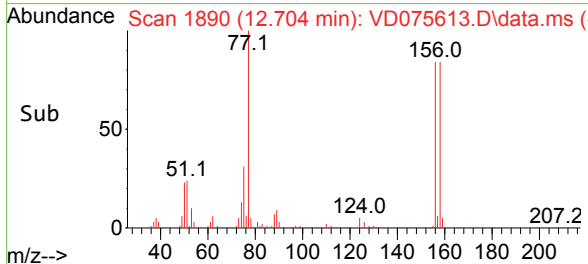
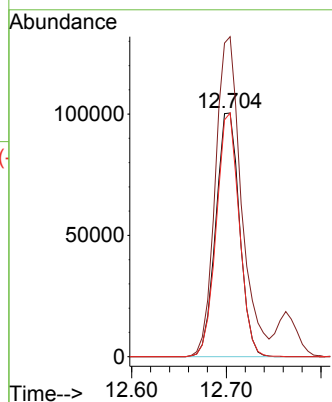
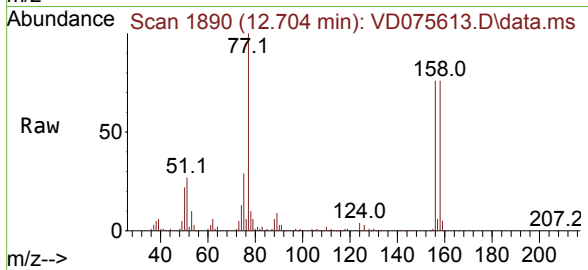
Tgt Ion:156 Resp: 174054

Ion Ratio Lower Upper

156 100

77 144.6 89.5 268.6

158 96.9 47.8 143.4



#78

n-propylbenzene

Concen: 40.882 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD075613.D

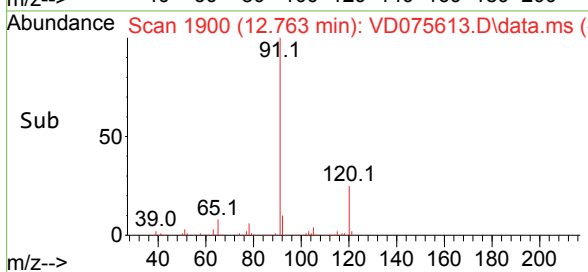
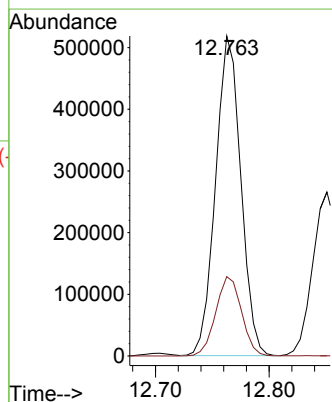
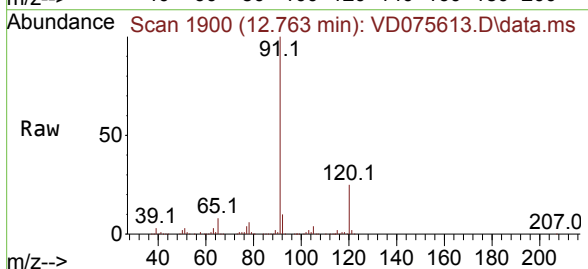
Acq: 10 Apr 2023 18:23

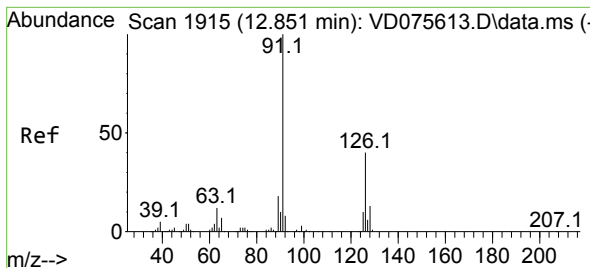
Tgt Ion: 91 Resp: 800667

Ion Ratio Lower Upper

91 100

120 25.3 11.4 34.2





#79

2-Chlorotoluene

Concen: 40.721 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

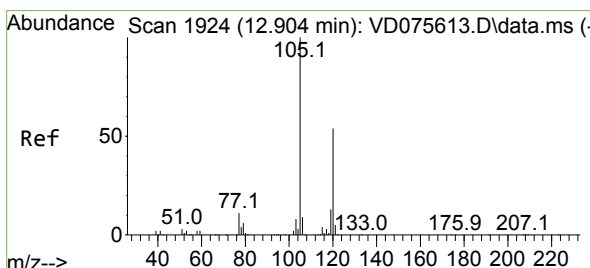
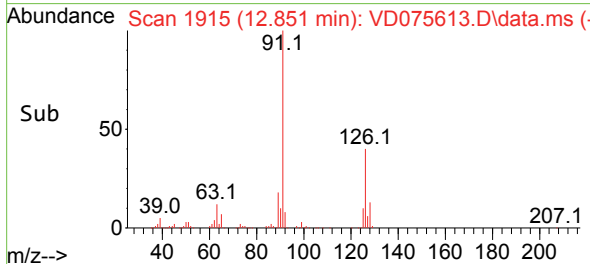
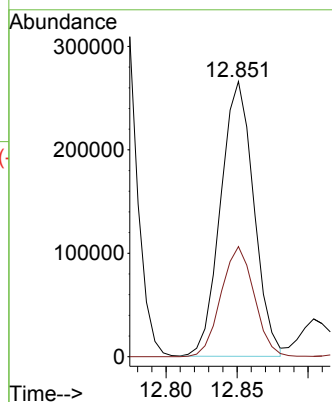
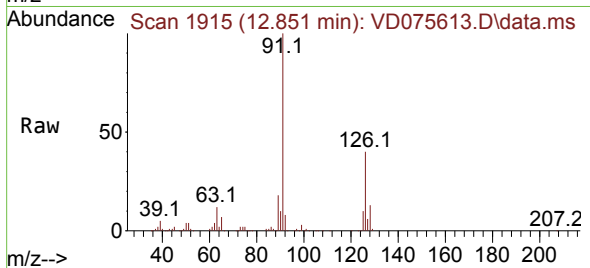
VSTDICCC050

Tgt Ion: 91 Resp: 433608

Ion Ratio Lower Upper

91 100

126 40.0 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 41.906 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD075613.D

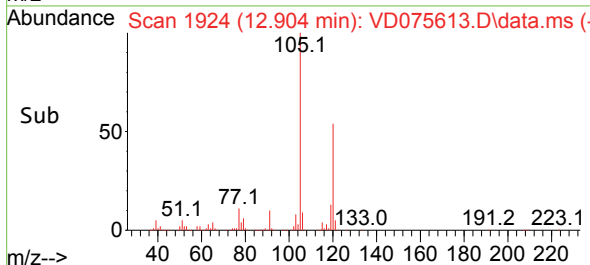
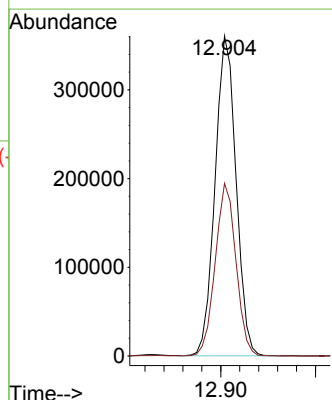
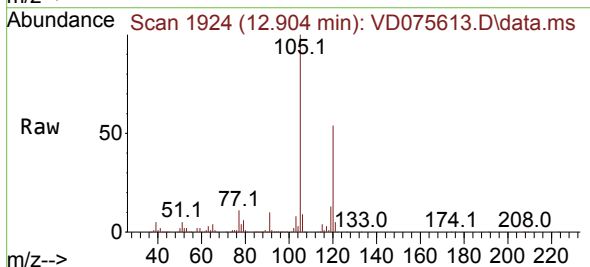
Acq: 10 Apr 2023 18:23

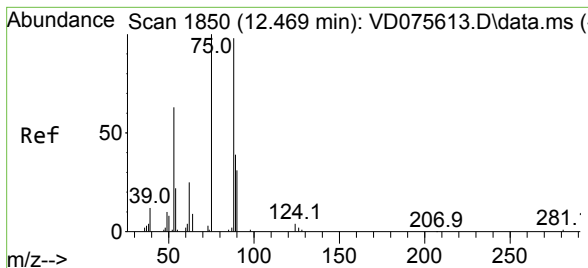
Tgt Ion: 105 Resp: 555190

Ion Ratio Lower Upper

105 100

120 53.3 24.3 72.8

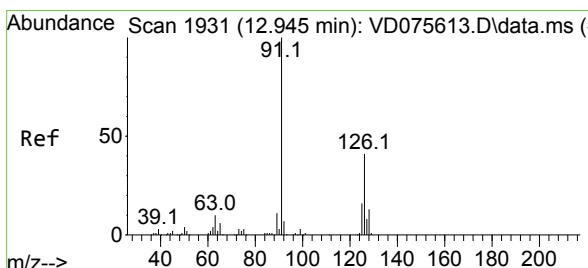
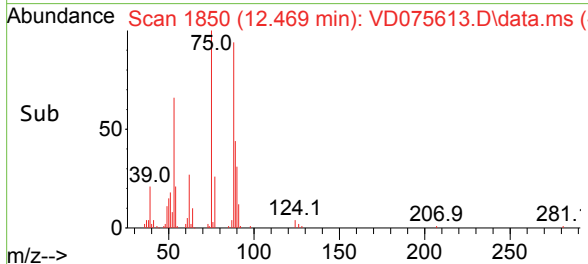
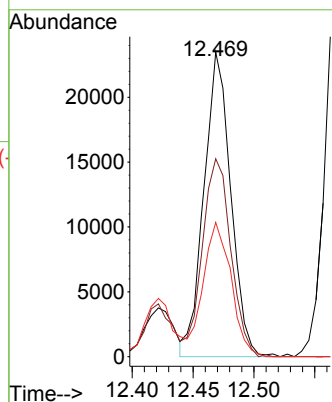
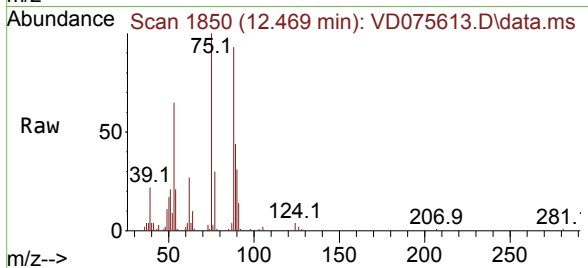




#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.125 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

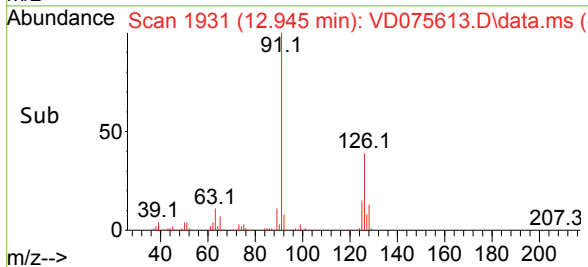
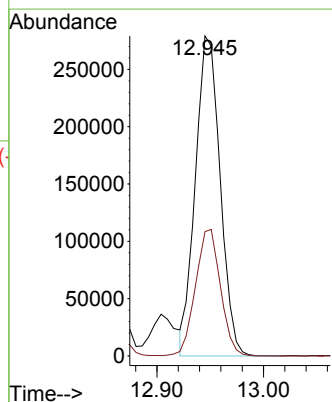
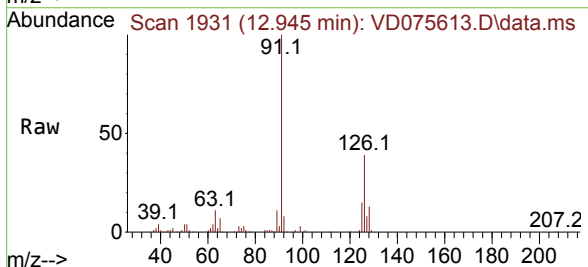
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

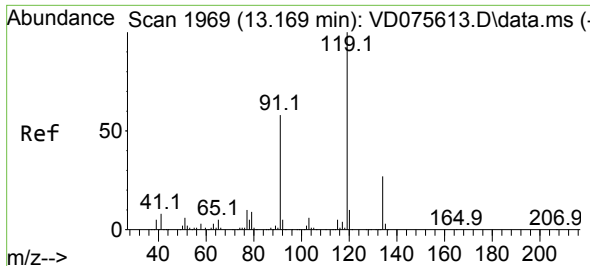
Tgt Ion: 75 Resp: 35921  
Ion Ratio Lower Upper  
75 100  
53 69.2 90.5 135.7#  
89 45.5 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 40.919 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 91 Resp: 451098  
Ion Ratio Lower Upper  
91 100  
126 40.0 17.1 51.2

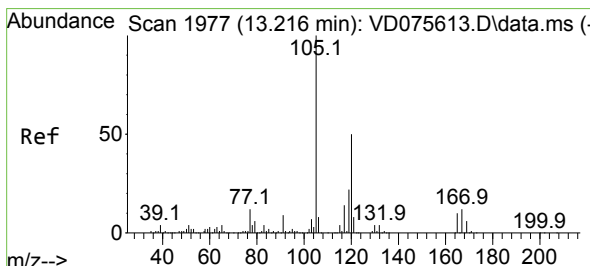
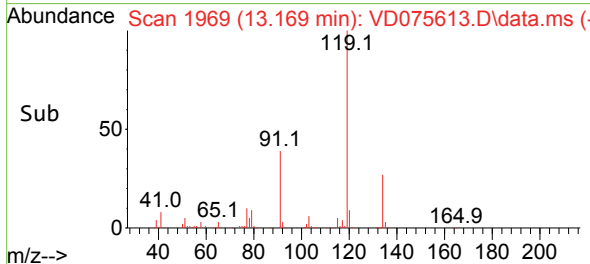
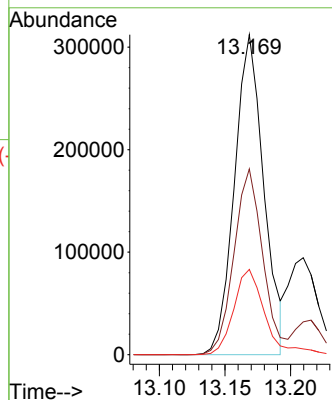
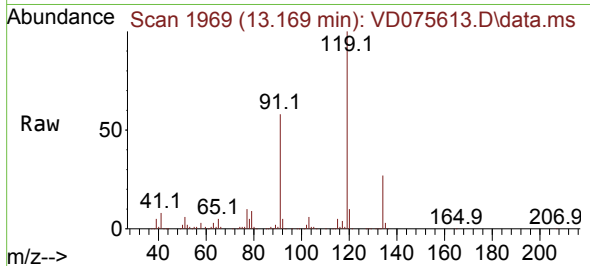




#83  
tert-Butylbenzene  
Concen: 42.231 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

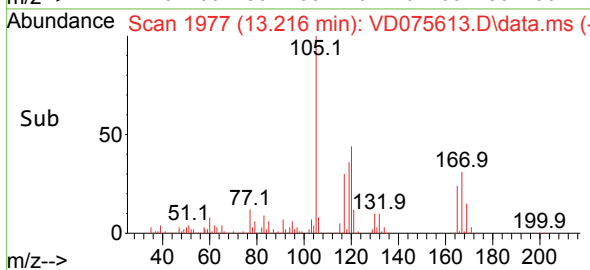
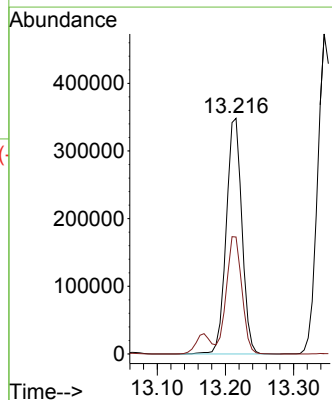
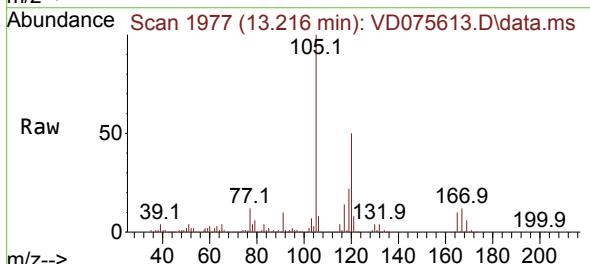
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

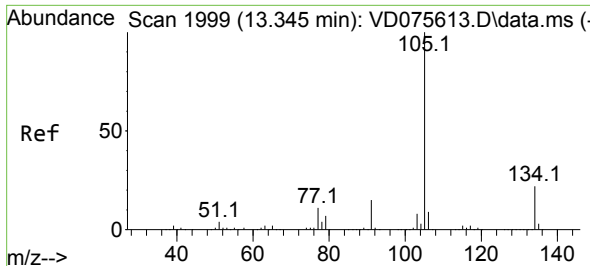
Tgt Ion:119 Resp: 485699  
Ion Ratio Lower Upper  
119 100  
91 57.5 32.4 97.0  
134 28.4 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 43.219 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion:105 Resp: 555393  
Ion Ratio Lower Upper  
105 100  
120 49.3 22.3 66.9

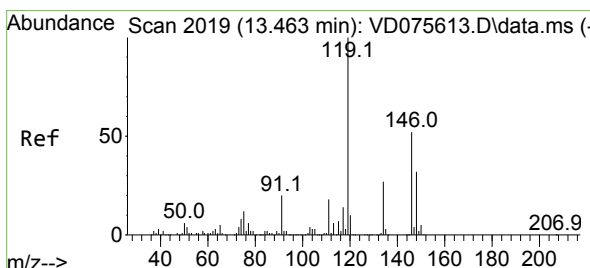
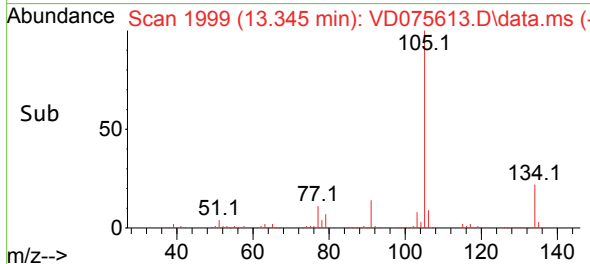
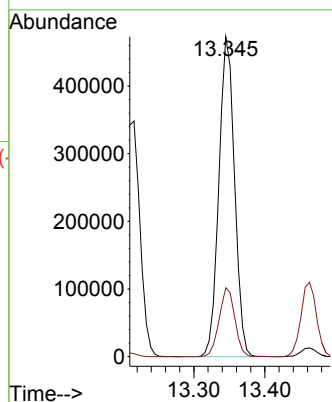
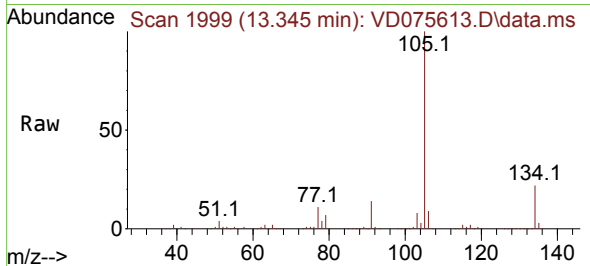




#85  
 sec-Butylbenzene  
 Concen: 40.640 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD075613.D  
 Acq: 10 Apr 2023 18:23

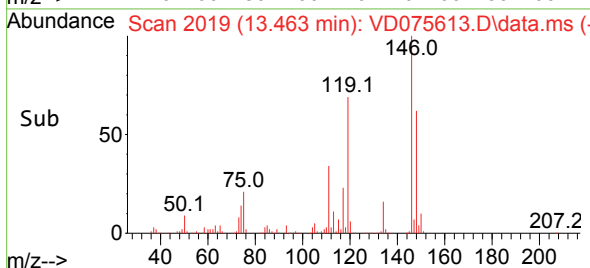
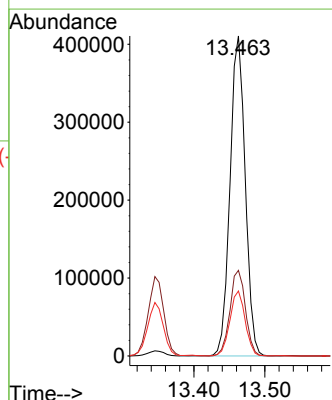
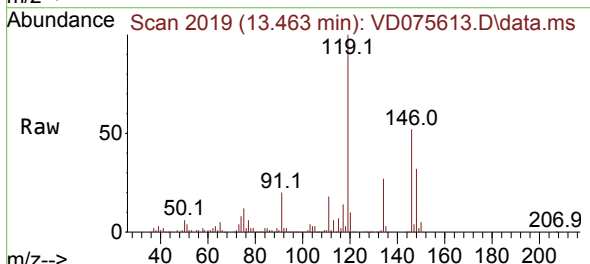
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

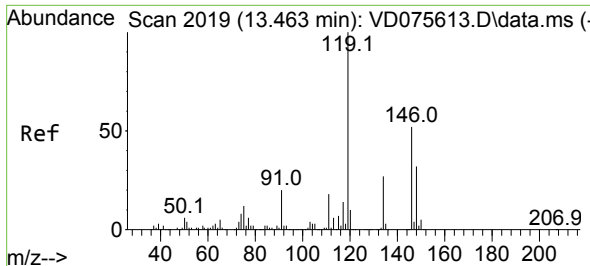
Tgt Ion:105 Resp: 721943  
 Ion Ratio Lower Upper  
 105 100  
 134 21.5 9.9 29.7



#86  
 p-Isopropyltoluene  
 Concen: 42.077 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD075613.D  
 Acq: 10 Apr 2023 18:23

Tgt Ion:119 Resp: 611417  
 Ion Ratio Lower Upper  
 119 100  
 134 27.3 13.1 39.3  
 91 20.3 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 43.613 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

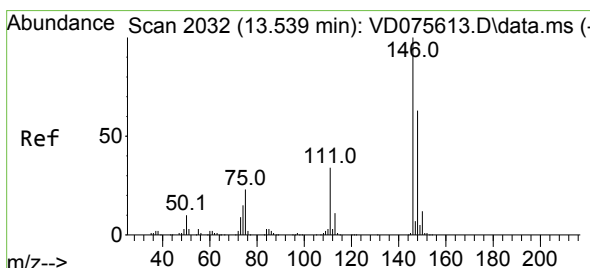
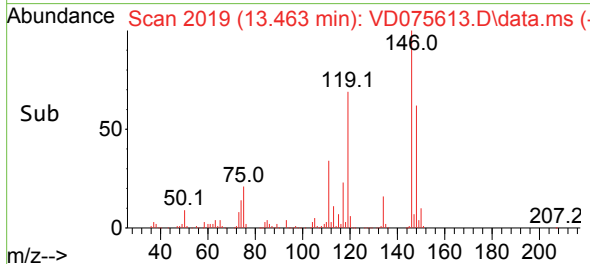
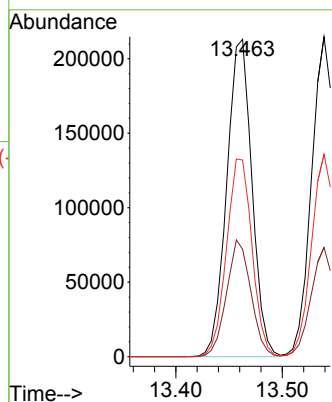
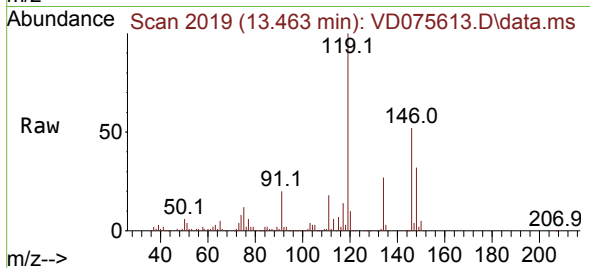
Tgt Ion:146 Resp: 350352

Ion Ratio Lower Upper

146 100

111 35.6 19.8 59.3

148 63.2 31.0 93.0



#88

1,4-Dichlorobenzene

Concen: 43.024 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

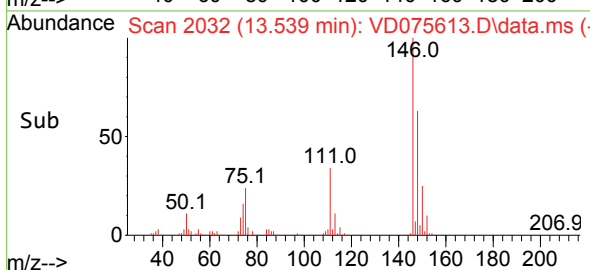
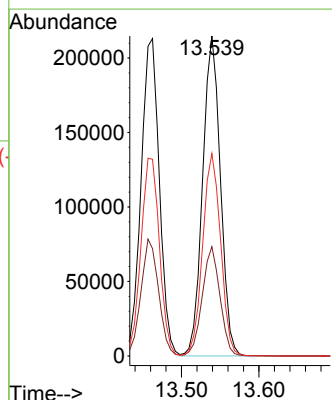
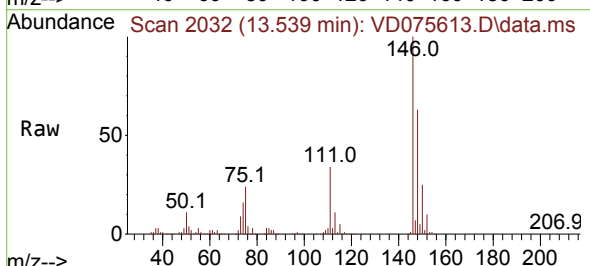
Tgt Ion:146 Resp: 342590

Ion Ratio Lower Upper

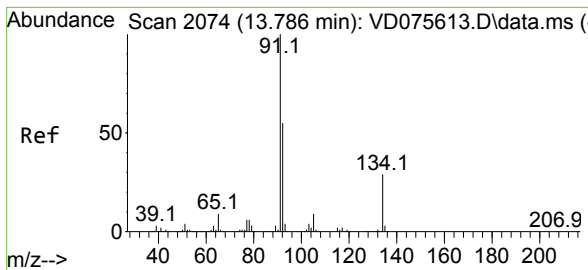
146 100

111 34.0 19.6 58.8

148 63.9 31.7 95.1



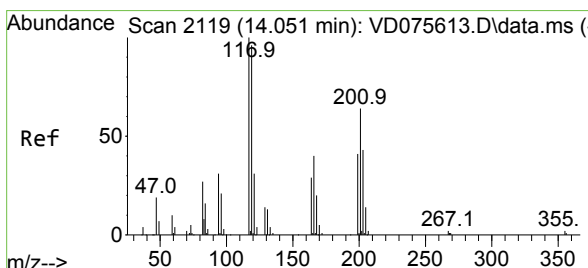
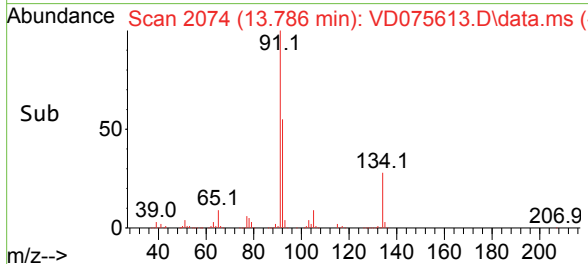
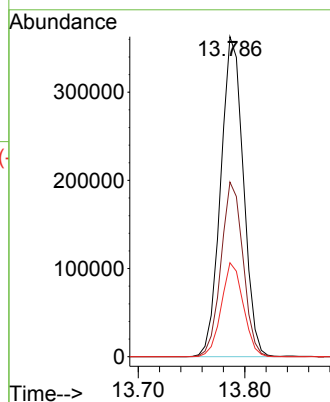
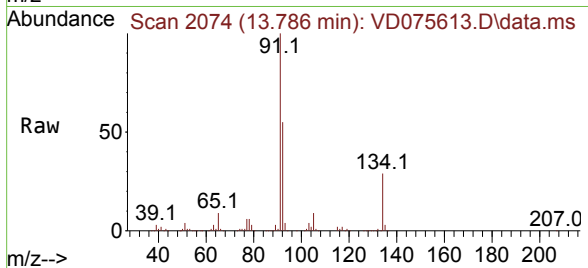




#89  
n-Butylbenzene  
Concen: 40.333 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

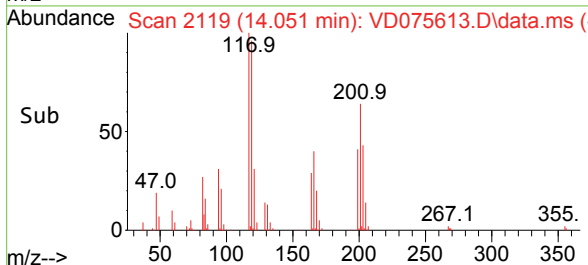
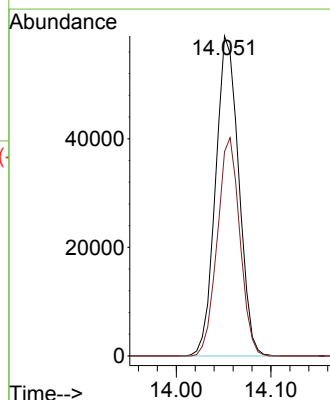
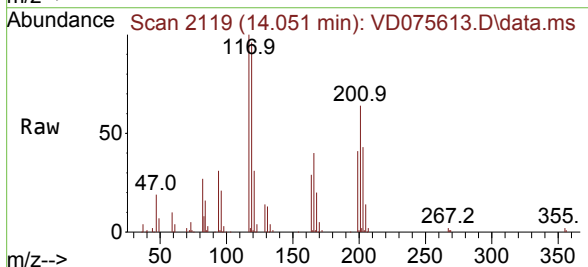
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

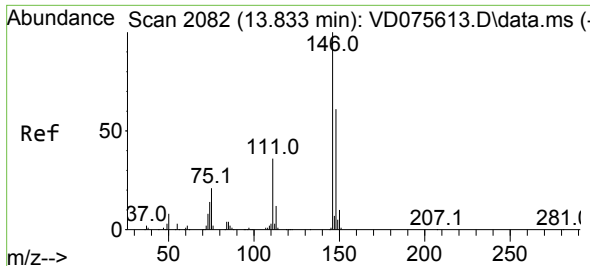
Tgt Ion: 91 Resp: 535867  
Ion Ratio Lower Upper  
91 100  
92 53.0 26.2 78.5  
134 28.4 12.7 38.0



#90  
Hexachloroethane  
Concen: 36.037 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 117 Resp: 100049  
Ion Ratio Lower Upper  
117 100  
201 66.4 34.5 103.6

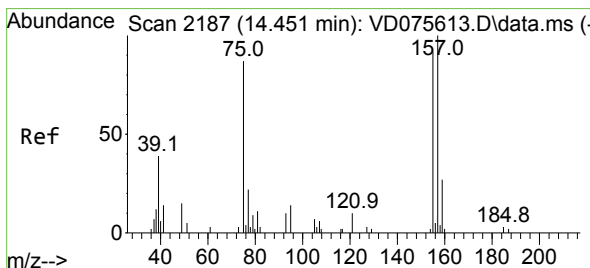
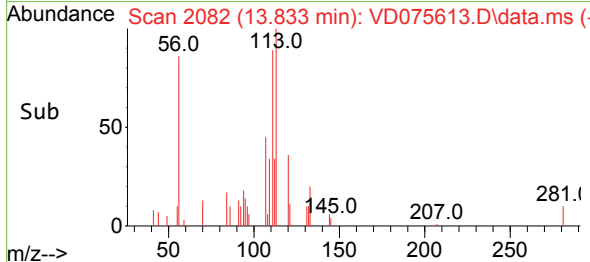
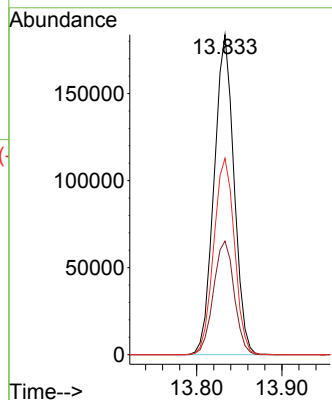
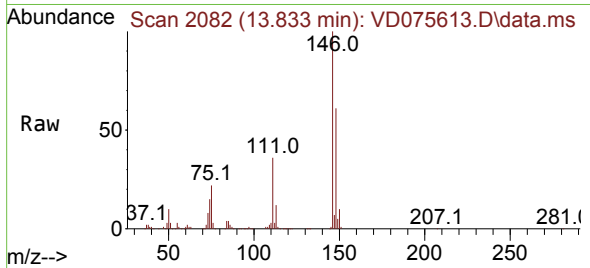




#91  
1,2-Dichlorobenzene  
Concen: 43.859 ug/l  
RT: 13.833 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

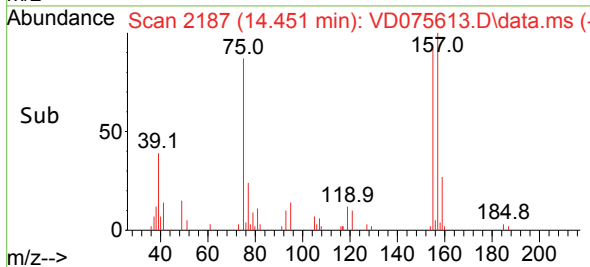
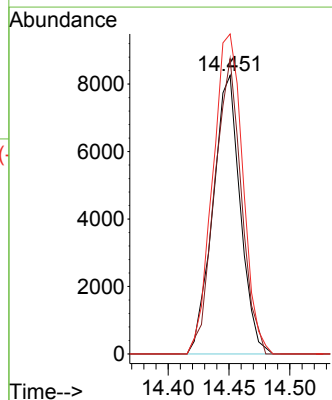
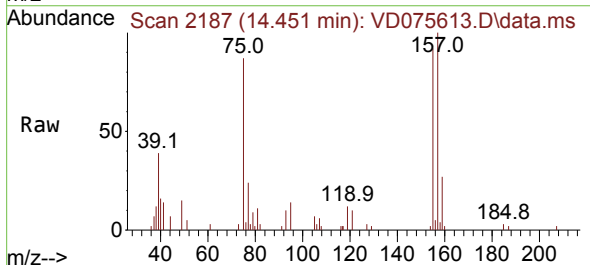
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

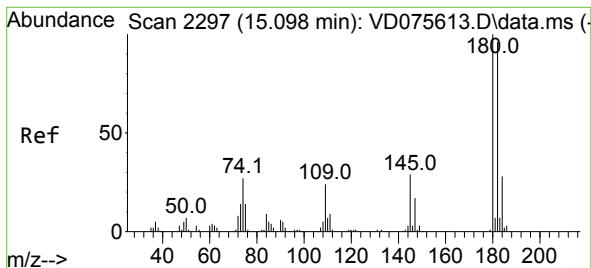
Tgt Ion:146 Resp: 298398  
Ion Ratio Lower Upper  
146 100  
111 36.9 20.6 61.8  
148 63.9 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 37.925 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Tgt Ion: 75 Resp: 12909  
Ion Ratio Lower Upper  
75 100  
155 104.1 39.5 118.5  
157 126.4 53.5 160.7





#93

1,2,4-Trichlorobenzene

Concen: 35.917 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

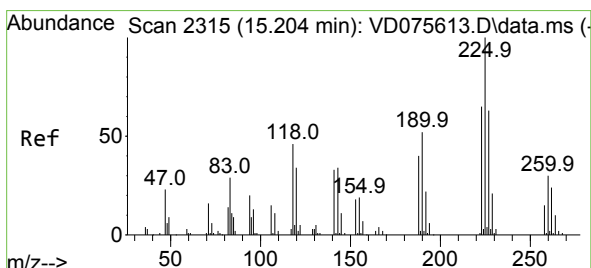
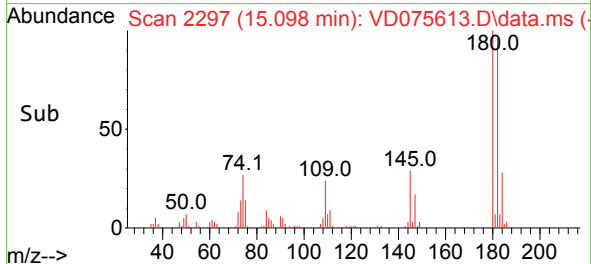
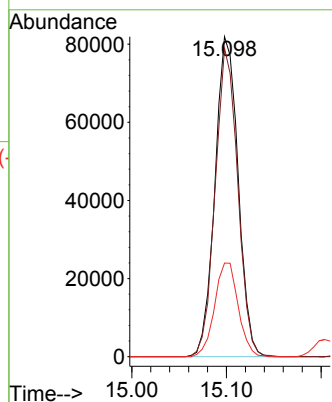
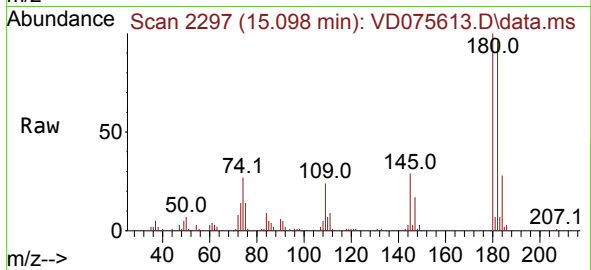
Tgt Ion:180 Resp: 138978

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.7

145 29.9 15.9 47.7



#94

Hexachlorobutadiene

Concen: 35.384 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD075613.D

Acq: 10 Apr 2023 18:23

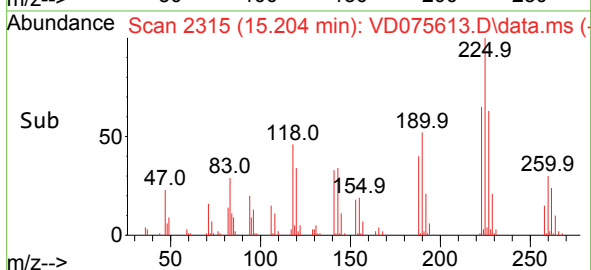
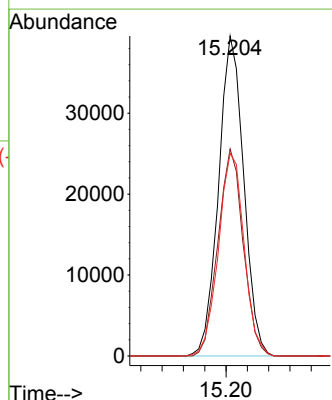
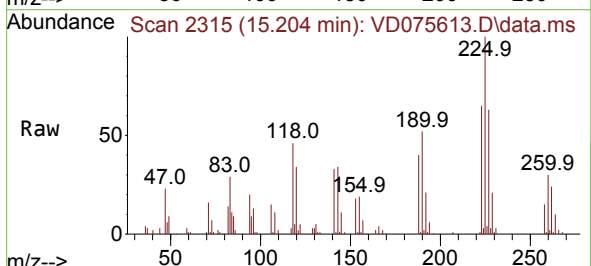
Tgt Ion:225 Resp: 64836

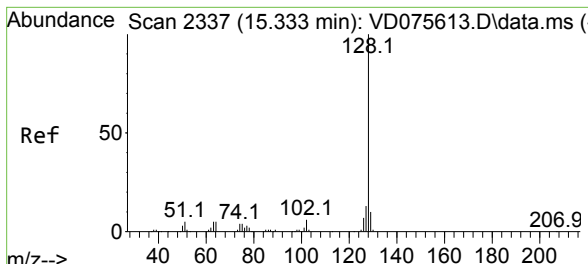
Ion Ratio Lower Upper

225 100

223 65.0 33.1 99.2

227 64.4 31.9 95.9

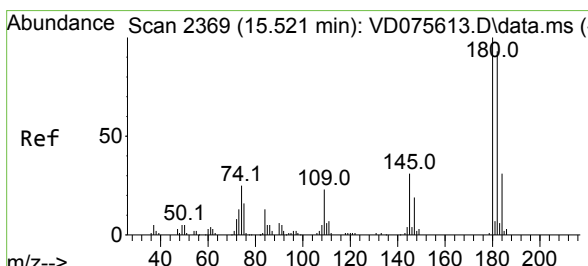
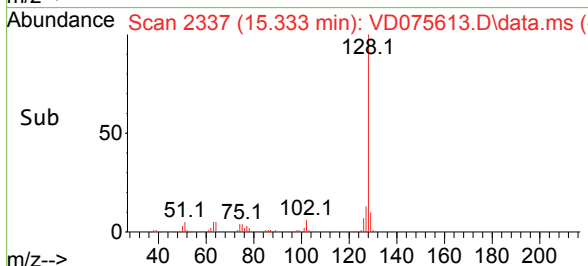
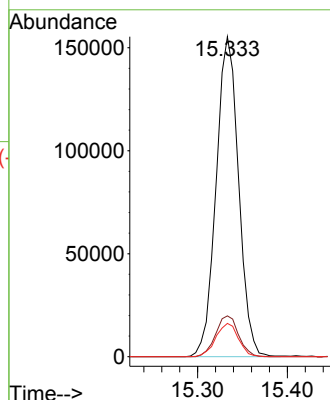
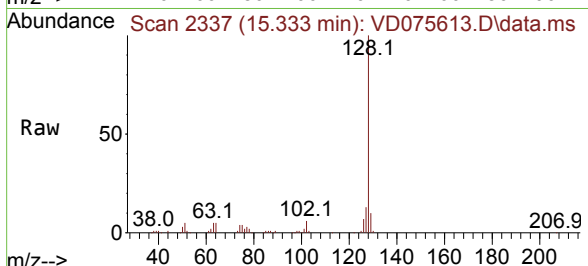




#95  
Naphthalene  
Concen: 38.006 ug/l  
RT: 15.333 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 270065 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.4  | 15.6   |
| 129       | 10.5  | 8.8   | 13.2   |



#96  
1,2,3-Trichlorobenzene  
Concen: 36.315 ug/l  
RT: 15.521 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD075613.D  
Acq: 10 Apr 2023 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 121561 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 92.7  | 47.7  | 143.1  |
| 145       | 31.0  | 16.4  | 49.4   |

