

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012523\  
 Data File : VD075205.D  
 Acq On : 25 Jan 2023 17:54  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 26 03:51:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 65566    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 114251   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 103941   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 49545    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 36334    | 54.307   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 108.620% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 36464    | 52.817   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.640% |      |
| 50) Toluene-d8              | 10.269 | 98    | 145245   | 53.432   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 106.860% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 45117    | 52.297   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 104.600% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 24877  | 48.633  | ug/l   | 99  |
| 3) Chloromethane             | 2.146 | 50  | 39973  | 47.196  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.281 | 62  | 43088  | 47.411  | ug/l   | 97  |
| 5) Bromomethane              | 2.693 | 94  | 27891  | 45.126  | ug/l   | 98  |
| 6) Chloroethane              | 2.834 | 64  | 29347  | 46.572  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 58554  | 50.688  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.593 | 74  | 18497  | 49.696  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 3.970 | 101 | 37785  | 52.985  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.164 | 142 | 45218  | 47.104  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.046 | 59  | 8643   | 185.174 | ug/l # | 95  |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 37922  | 50.512  | ug/l   | 98  |
| 13) Acrolein                 | 3.799 | 56  | 11431  | 303.080 | ug/l   | 97  |
| 14) Allyl chloride           | 4.564 | 41  | 61589  | 50.549  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.258 | 53  | 42036  | 267.093 | ug/l   | 99  |
| 16) Acetone                  | 4.017 | 43  | 44366  | 251.424 | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.269 | 76  | 120613 | 49.533  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.564 | 43  | 24440  | 50.955  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 80308  | 51.208  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.799 | 84  | 45194  | 49.013  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 42363  | 50.688  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.216 | 45  | 120346 | 53.069  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.158 | 43  | 249108 | 249.241 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.111 | 63  | 76118  | 53.412  | ug/l   | 97  |
| 25) 2-Butanone               | 7.081 | 43  | 53835  | 252.425 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 62201  | 48.962  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 47424  | 52.055  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.428 | 49  | 19453  | 49.996  | ug/l   | 94  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 30470  | 250.491 | ug/l   | 98  |
| 30) Chloroform               | 7.599 | 83  | 74105  | 52.145  | ug/l   | 89  |
| 31) Cyclohexane              | 7.881 | 56  | 66456  | 49.526  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 64324  | 52.537  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 58708  | 52.927  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.169 | 43  | 23550  | 52.698  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 50822  | 54.417  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.275 | 83  | 70903  | 51.869  | ug/l   | 97  |
| 40) Benzene                  | 8.252 | 78  | 171075 | 54.081  | ug/l   | 98  |

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 Sample : VSTDCCC050  
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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 26 03:51:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 15136    | 56.288  | ug/l # | 84       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 44436    | 53.478  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.363  | 43   | 43650    | 50.193  | ug/l   | 100      |
| 44) Trichloroethene           | 9.028  | 130  | 44536    | 50.066  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 40854    | 52.429  | ug/l   | 89       |
| 46) Dibromomethane            | 9.393  | 93   | 22054    | 53.666  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 54224    | 53.185  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 21399    | 50.320  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 3534     | 900.796 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 111388   | 266.727 | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 104573   | 52.312  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 50348    | 52.198  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 63074    | 53.524  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 29110    | 53.526  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 35170    | 53.775  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 50500    | 54.038  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 53834    | 240.549 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 78205    | 258.994 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.075 | 129  | 34781    | 53.059  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 26936    | 51.838  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 35631    | 48.004  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.610 | 112  | 108480   | 50.933  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 37752    | 52.697  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 201006   | 52.429  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 155365   | 104.904 | ug/l   | 98       |
| 69) o-Xylene                  | 12.122 | 106  | 72289    | 52.035  | ug/l   | 97       |
| 70) Styrene                   | 12.140 | 104  | 123770   | 53.594  | ug/l   | 100      |
| 71) Bromoform                 | 12.298 | 173  | 19183    | 51.857  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 190775   | 48.748  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 39215    | 45.743  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 31488    | 50.499  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 39510    | 94.159  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 41192    | 46.081  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.763 | 91   | 240510   | 50.012  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 128320   | 48.515  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 161165   | 50.265  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 8523     | 47.115  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 132587   | 48.756  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 136511   | 49.206  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 158014   | 50.181  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 211278   | 50.132  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 172038   | 49.861  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 86027    | 49.648  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 83365    | 48.900  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.793 | 91   | 168205   | 50.028  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 30318    | 49.759  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 73423    | 49.528  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 4852     | 50.893  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 44780    | 46.001  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 22239    | 46.615  | ug/l   | 99       |
| 95) Naphthalene               | 15.339 | 128  | 86011    | 44.384  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 38465    | 46.308  | ug/l   | 100      |

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Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jan 26 03:51:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 19 01:32:27 2023  
Response via : Initial Calibration

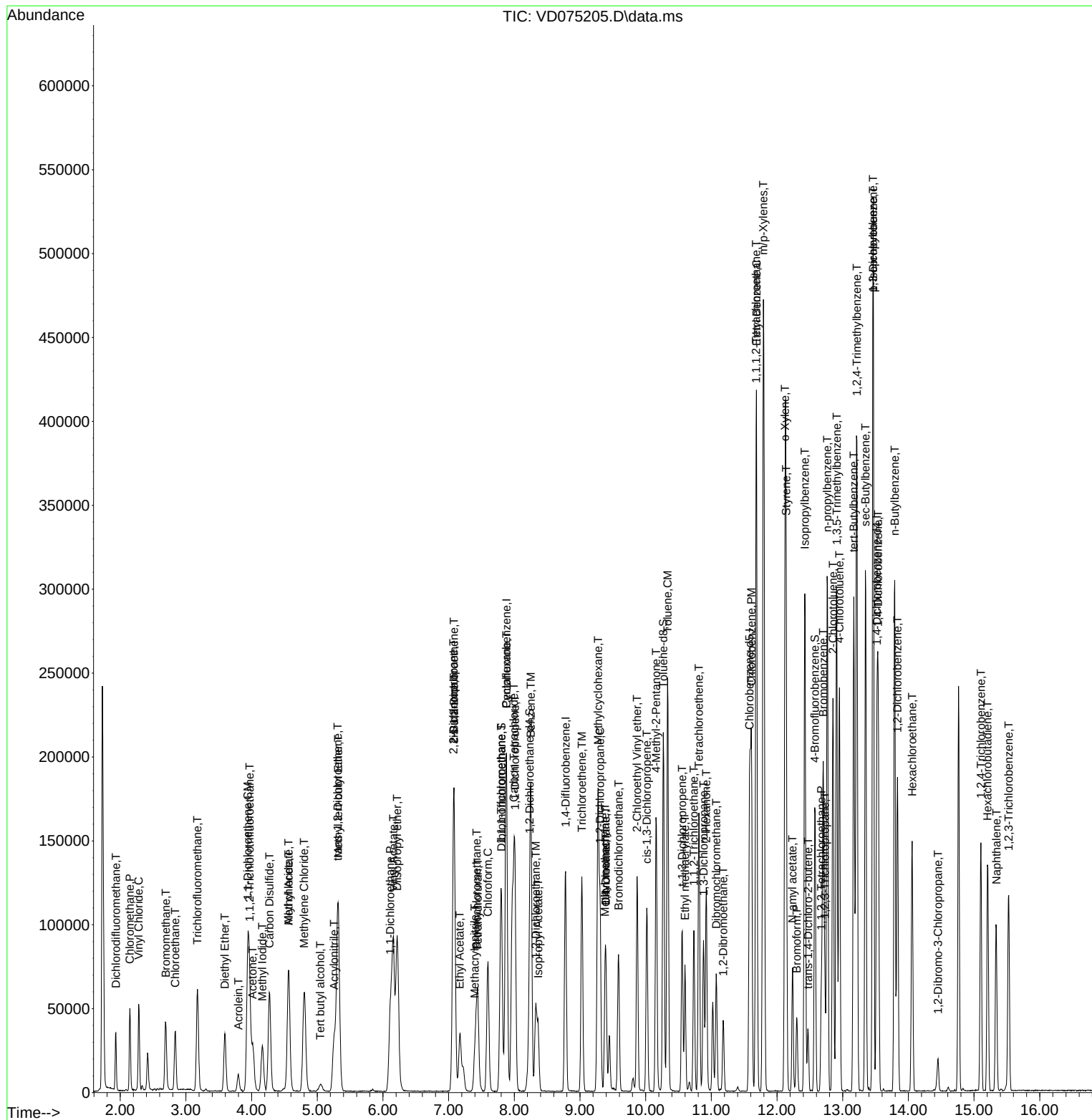
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

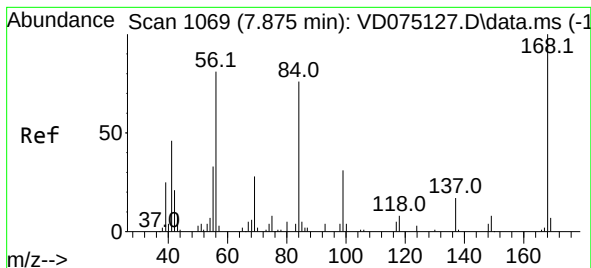
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

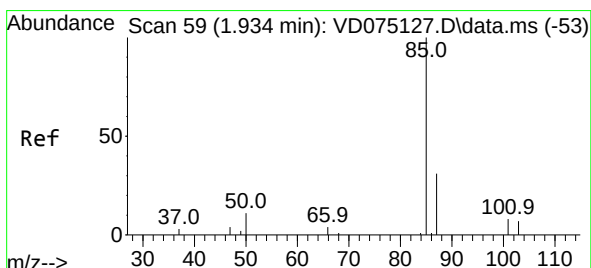
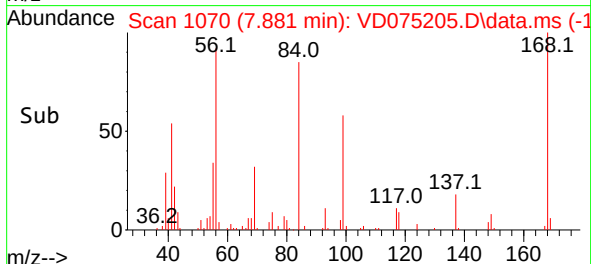
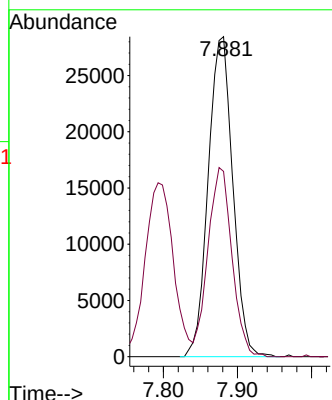
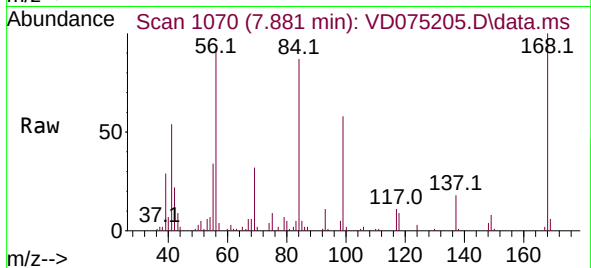
VSTDCCC050EC

Tgt Ion:168 Resp: 65566

Ion Ratio Lower Upper

168 100

99 57.9 45.2 67.8



#2

Dichlorodifluoromethane

Concen: 48.633 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD075205.D

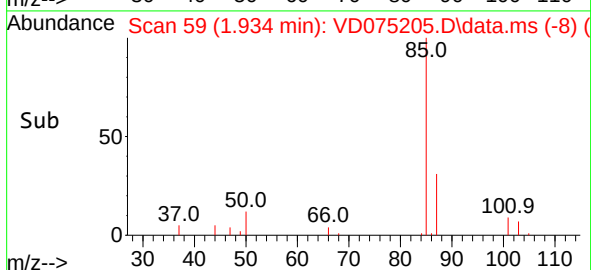
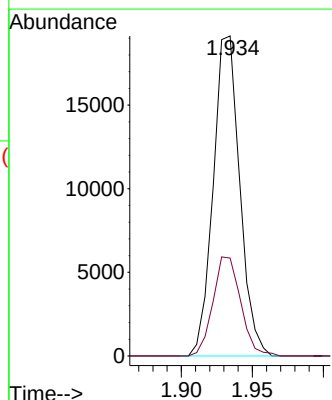
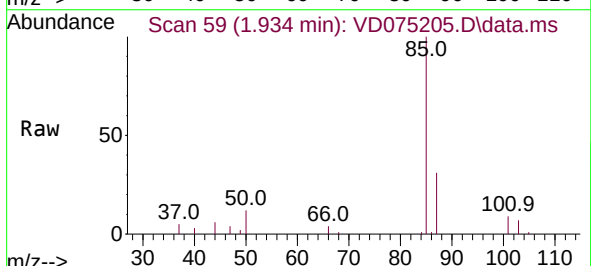
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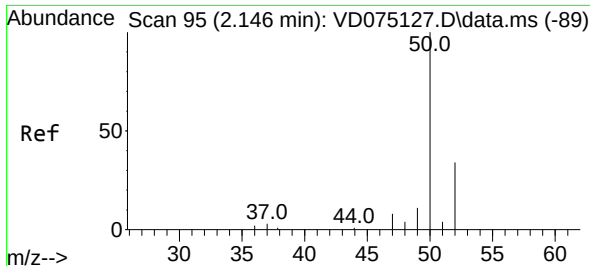
Tgt Ion: 85 Resp: 24877

Ion Ratio Lower Upper

85 100

87 30.6 15.7 47.0

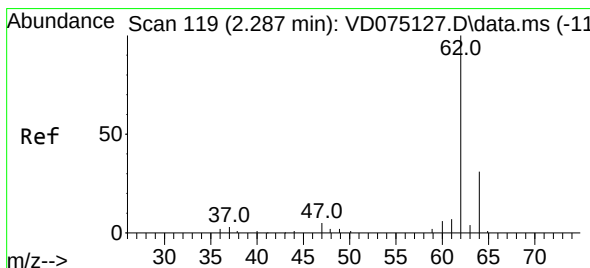
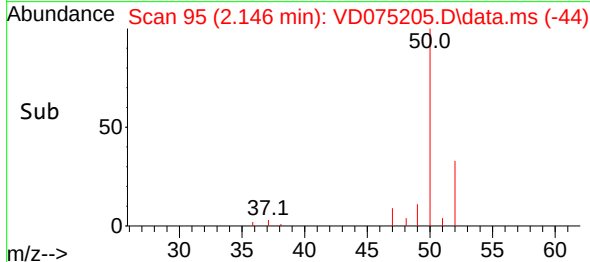
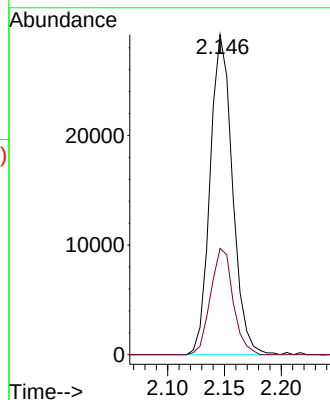
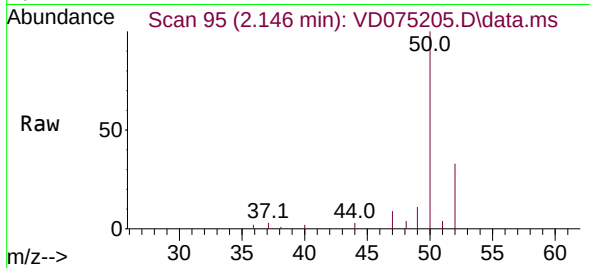




#3  
Chloromethane  
Concen: 47.196 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

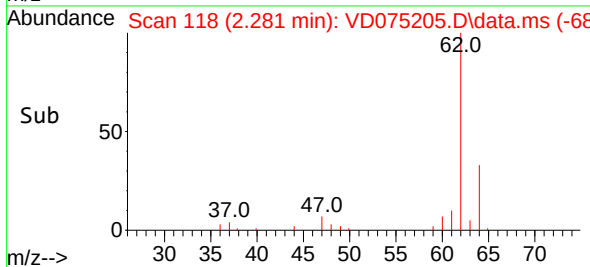
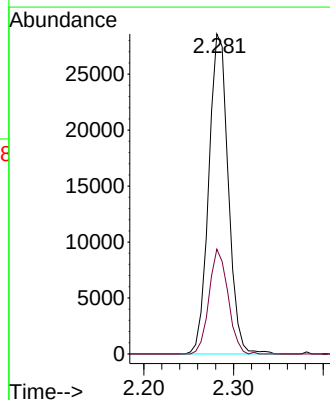
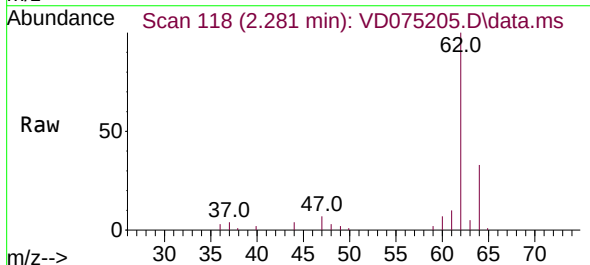
Instrument :  
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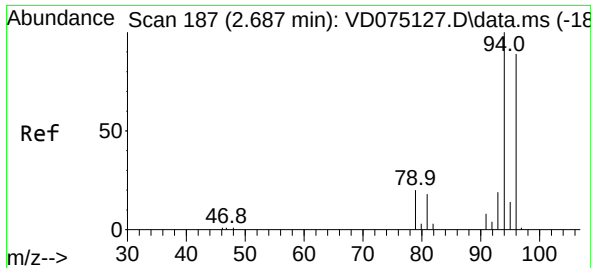
Tgt Ion: 50 Resp: 39973  
Ion Ratio Lower Upper  
50 100  
52 33.2 27.0 40.6



#4  
Vinyl Chloride  
Concen: 47.411 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 62 Resp: 43088  
Ion Ratio Lower Upper  
62 100  
64 32.7 24.8 37.2

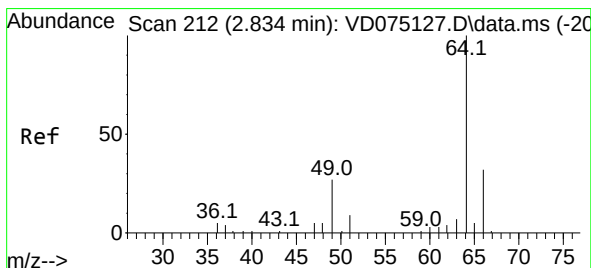
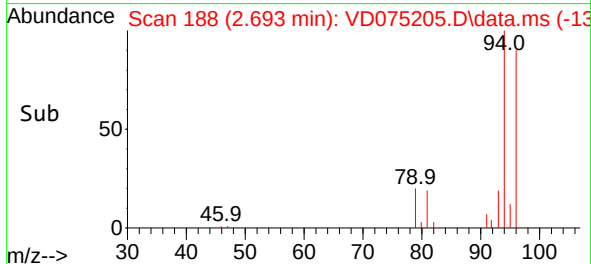
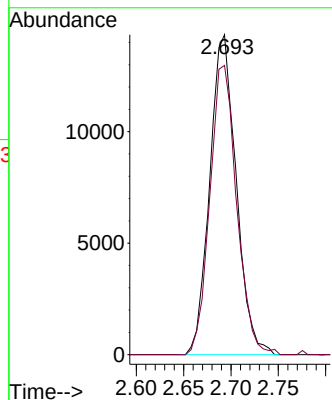
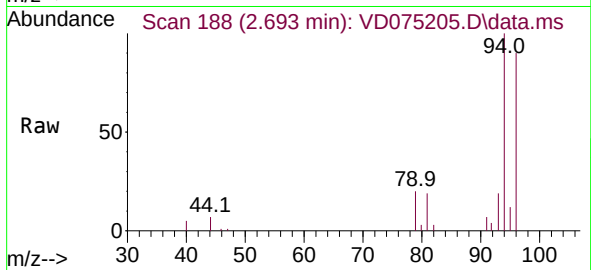




#5  
Bromomethane  
Concen: 45.126 ug/l  
RT: 2.693 min Scan# 187  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

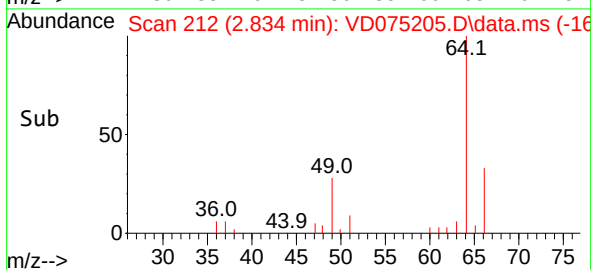
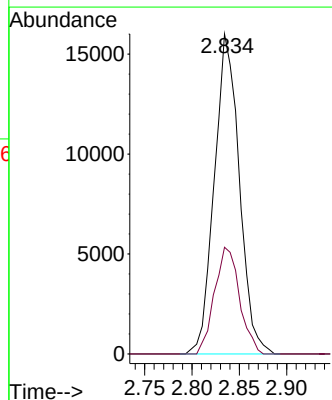
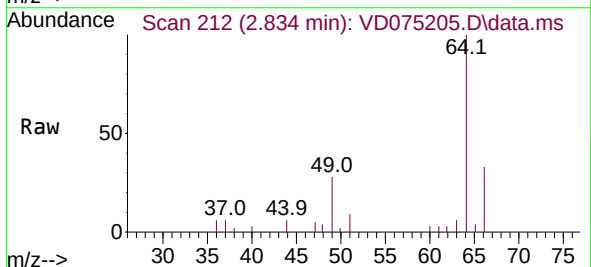
Instrument :  
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VSTDCCC050EC

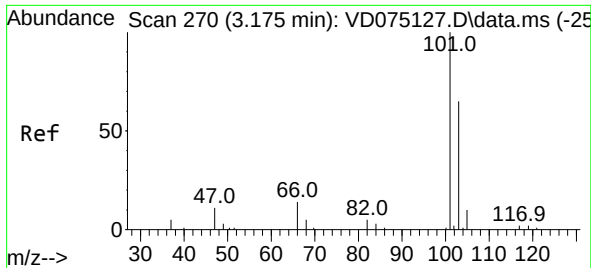
Tgt Ion: 94 Resp: 27891  
Ion Ratio Lower Upper  
94 100  
96 91.6 74.8 112.2



#6  
Chloroethane  
Concen: 46.572 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 64 Resp: 29347  
Ion Ratio Lower Upper  
64 100  
66 33.4 25.4 38.2

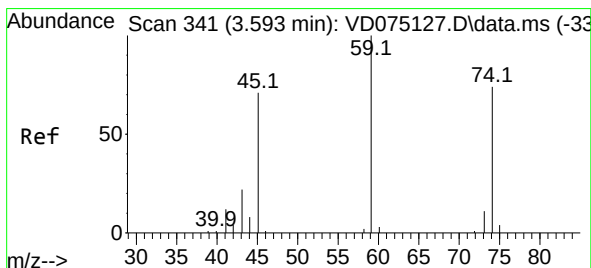
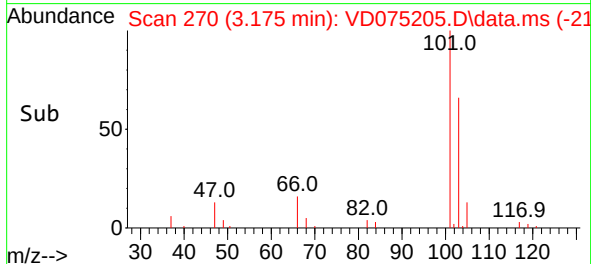
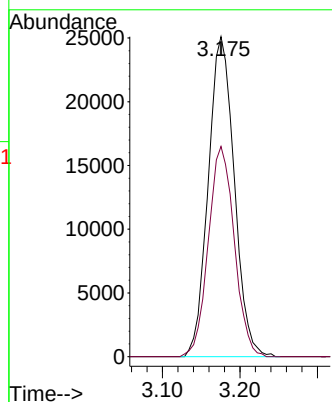
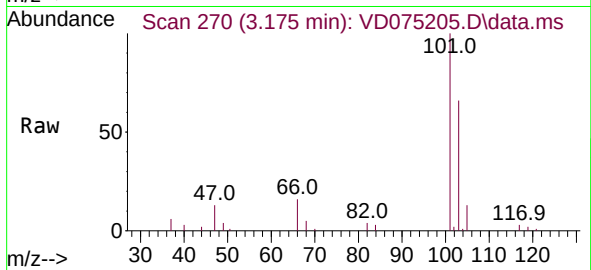




#7  
Trichlorofluoromethane  
Concen: 50.688 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

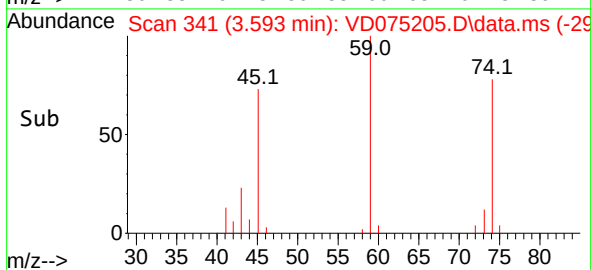
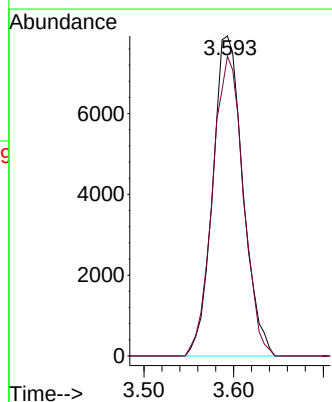
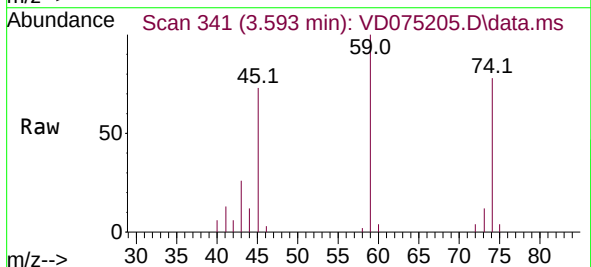
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 58554  
Ion Ratio Lower Upper  
101 100  
103 65.7 52.2 78.4

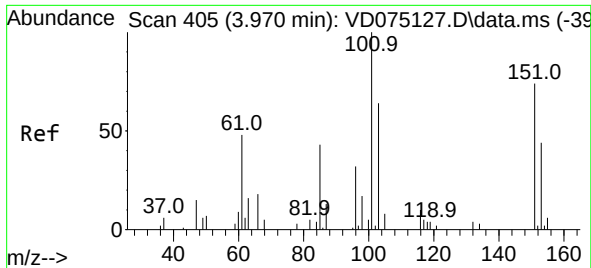


#8  
Diethyl Ether  
Concen: 49.696 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 74 Resp: 18497  
Ion Ratio Lower Upper  
74 100  
45 95.2 49.8 149.3



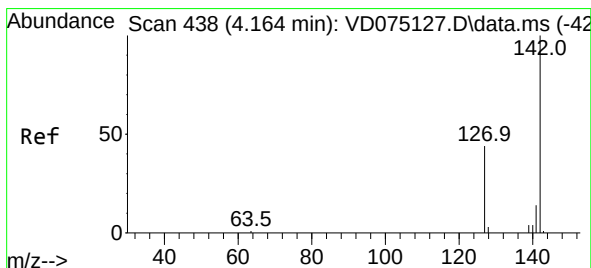
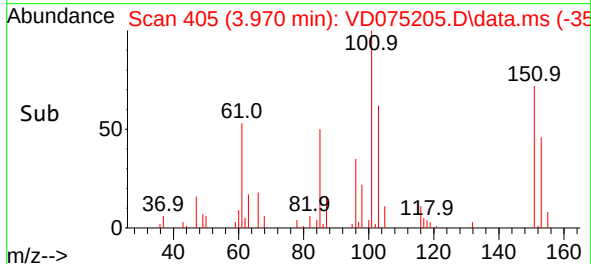
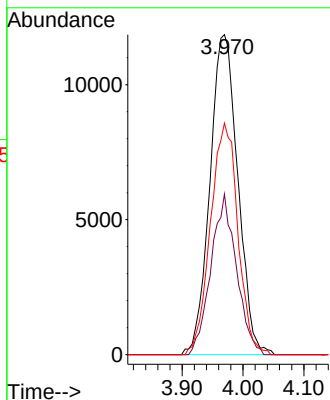
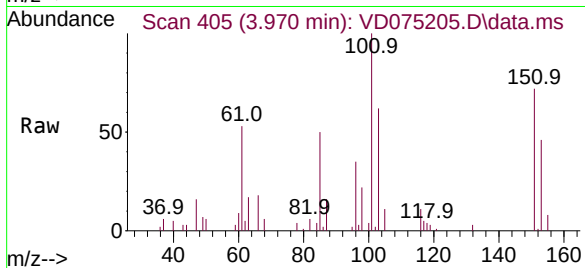




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.985 ug/l  
RT: 3.970 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

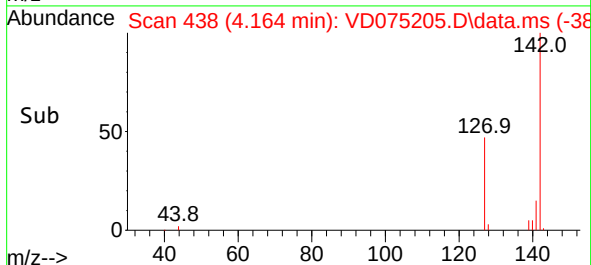
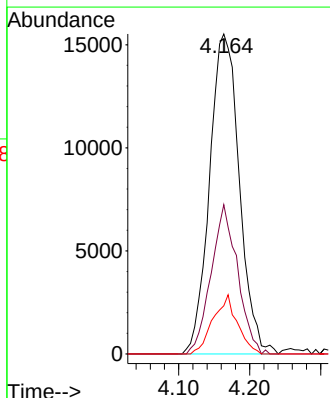
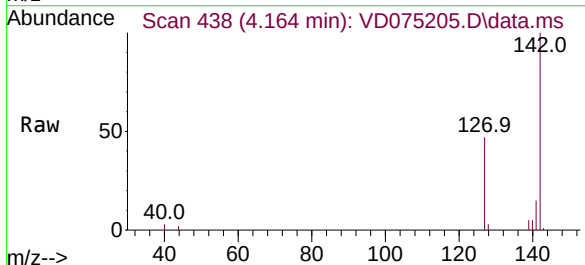
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

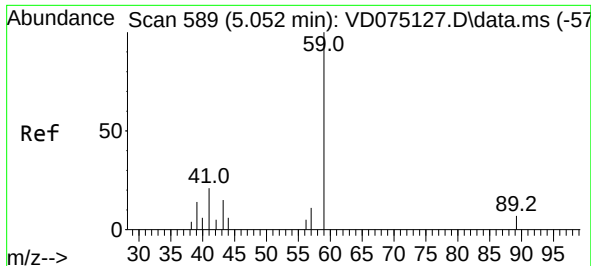
Tgt Ion:101 Resp: 37785  
Ion Ratio Lower Upper  
101 100  
85 45.7 36.9 55.3  
151 70.9 58.9 88.3



#10  
Methyl Iodide  
Concen: 47.104 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion:142 Resp: 45218  
Ion Ratio Lower Upper  
142 100  
127 41.5 33.6 50.4  
141 15.0 11.1 16.7

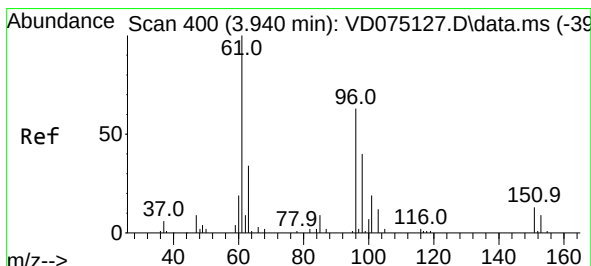
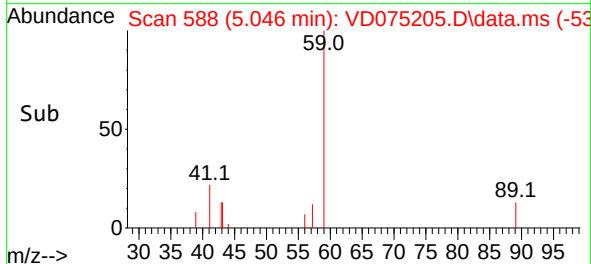
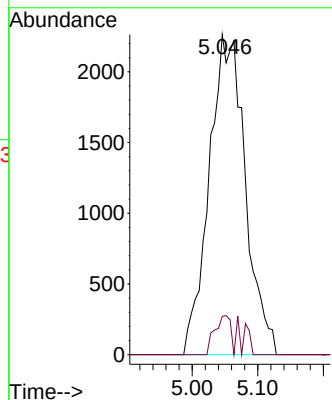
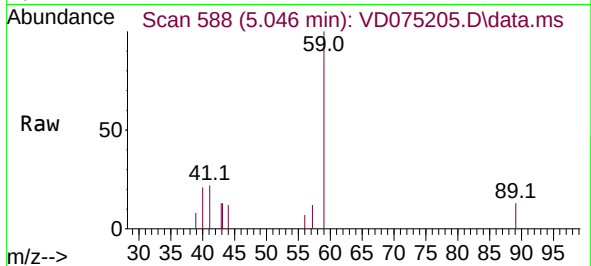




#11  
Tert butyl alcohol  
Concen: 185.174 ug/l  
RT: 5.046 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

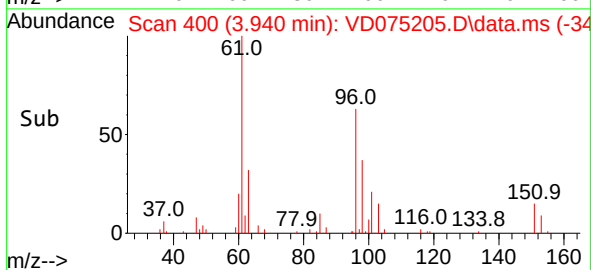
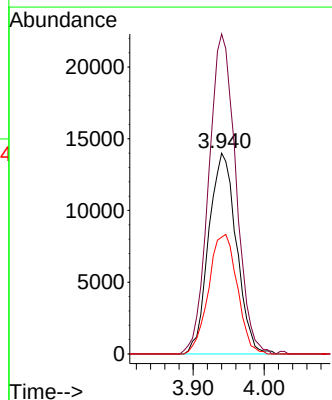
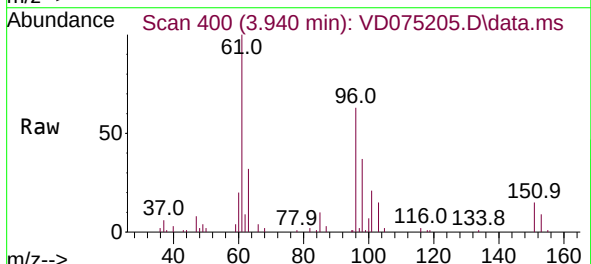
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

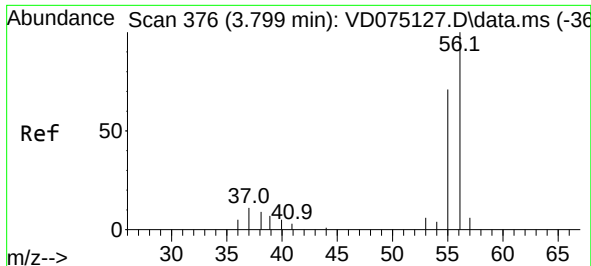
Tgt Ion: 59 Resp: 8643  
Ion Ratio Lower Upper  
59 100  
57 5.3 2.9 4.3#



#12  
1,1-Dichloroethene  
Concen: 50.512 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 96 Resp: 37922  
Ion Ratio Lower Upper  
96 100  
61 159.3 126.8 190.2  
98 58.2 50.4 75.6

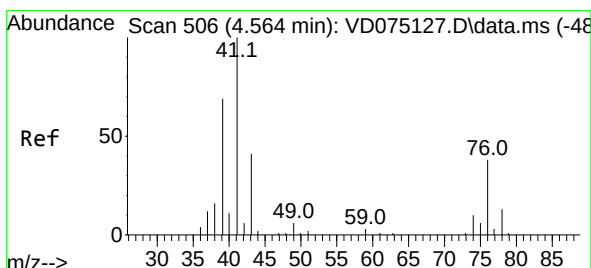
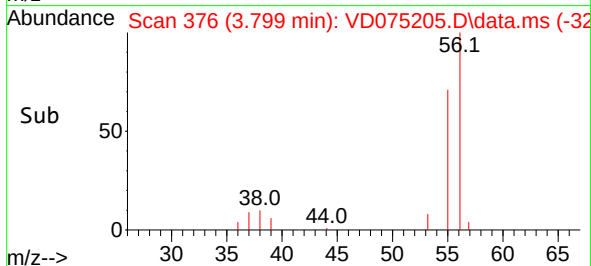
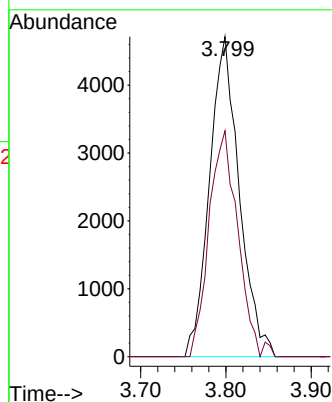
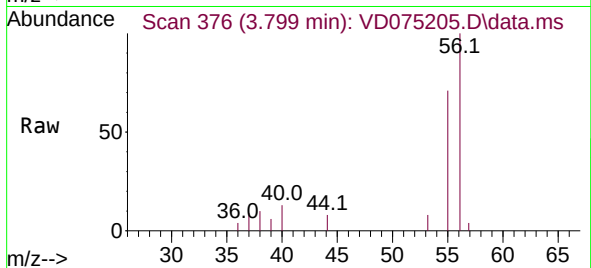




#13  
Acrolein  
Concen: 303.080 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

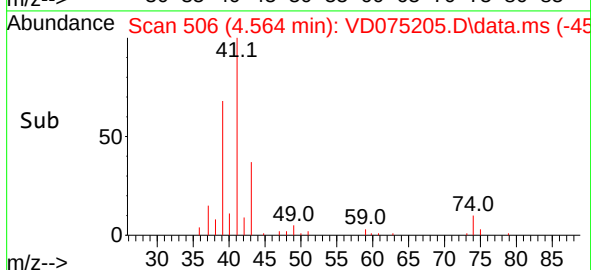
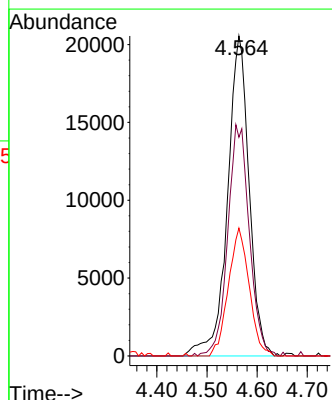
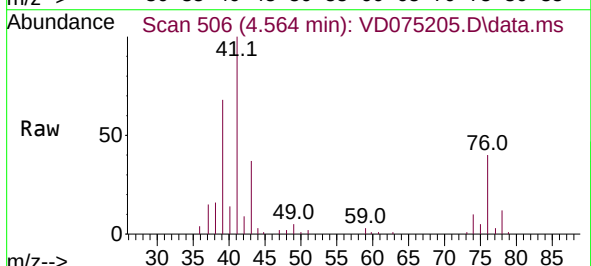
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

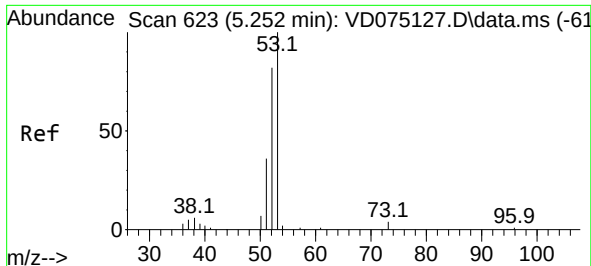
Tgt Ion: 56 Resp: 11431  
Ion Ratio Lower Upper  
56 100  
55 68.7 53.0 79.6



#14  
Allyl chloride  
Concen: 50.549 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 41 Resp: 61589  
Ion Ratio Lower Upper  
41 100  
39 72.1 55.4 83.0  
76 38.5 30.2 45.2

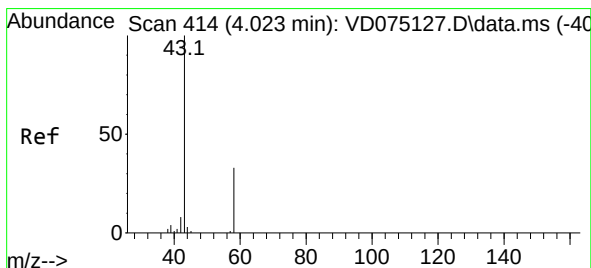
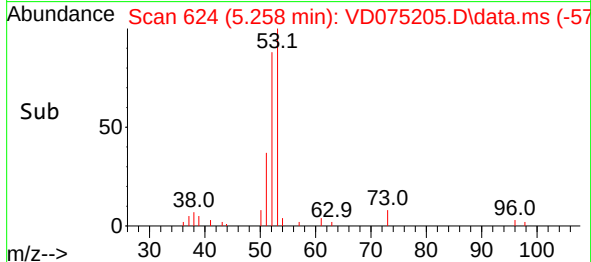
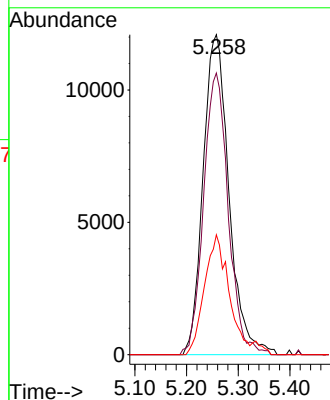
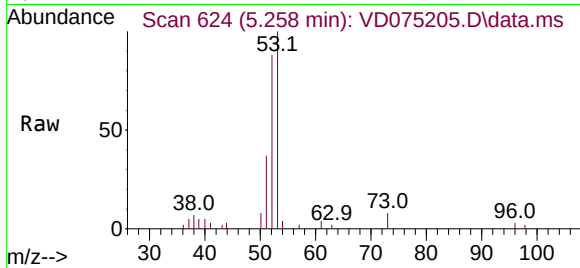




#15  
Acrylonitrile  
Concen: 267.093 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

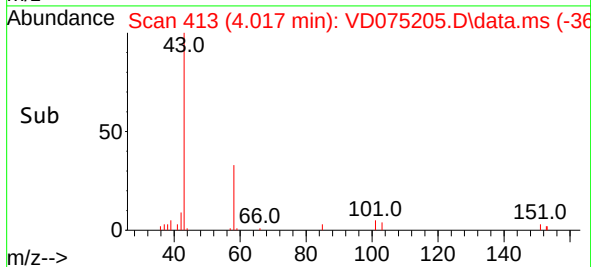
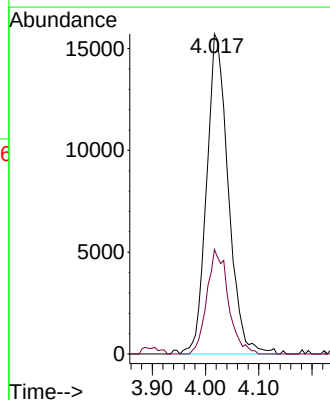
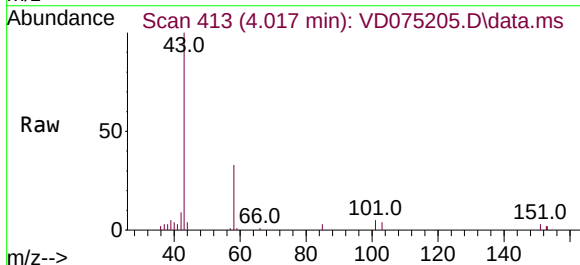
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

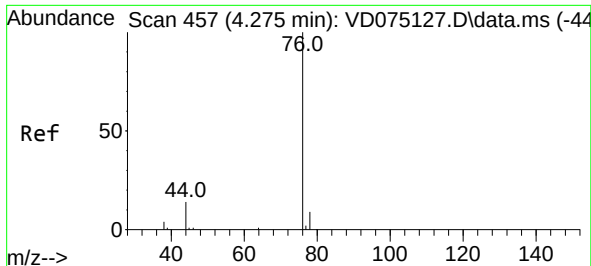
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 42036 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 83.9     | 67.0 100.6  |
| 51 35.4     | 30.1 45.1   |



#16  
Acetone  
Concen: 251.424 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 44366 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 32.6     | 26.0 39.0   |

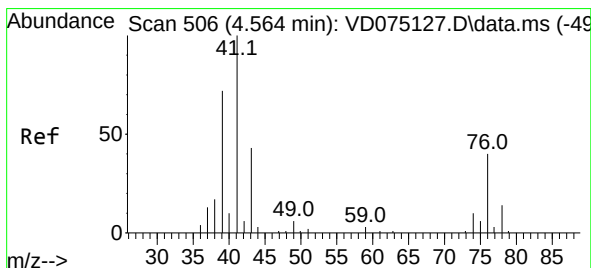
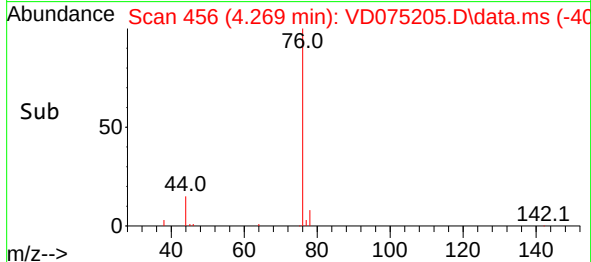
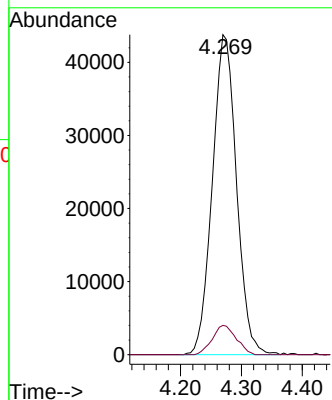
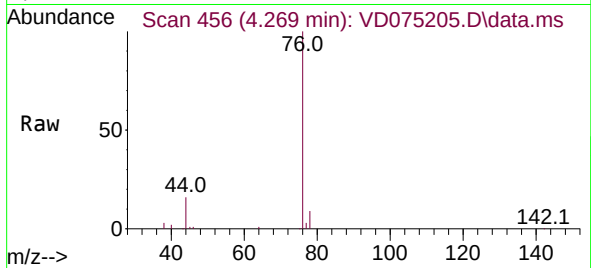




#17  
Carbon Disulfide  
Concen: 49.533 ug/l  
RT: 4.269 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

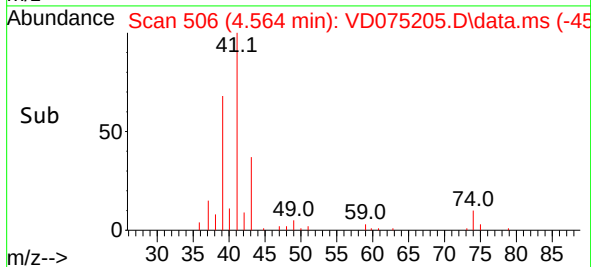
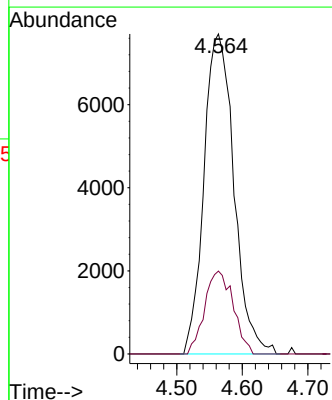
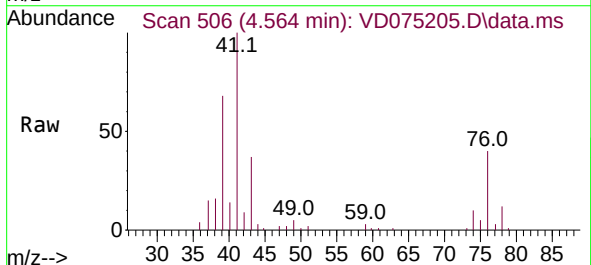
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

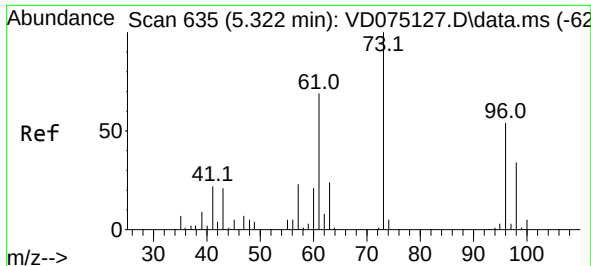
Tgt Ion: 76 Resp: 120613  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0



#18  
Methyl Acetate  
Concen: 50.955 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 43 Resp: 24440  
Ion Ratio Lower Upper  
43 100  
74 24.6 18.5 27.7

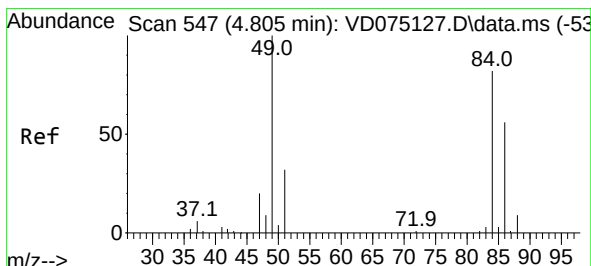
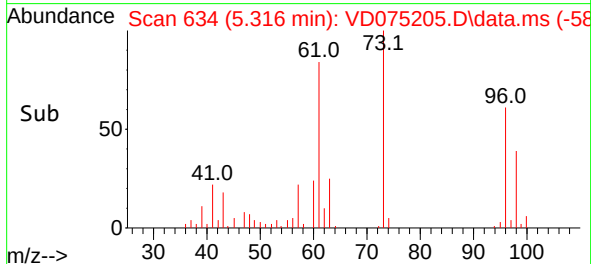
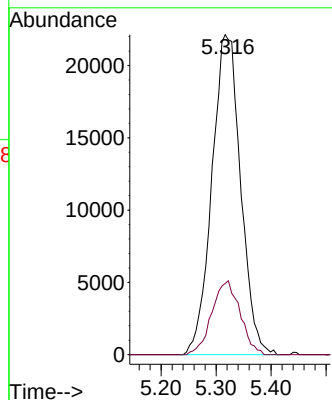
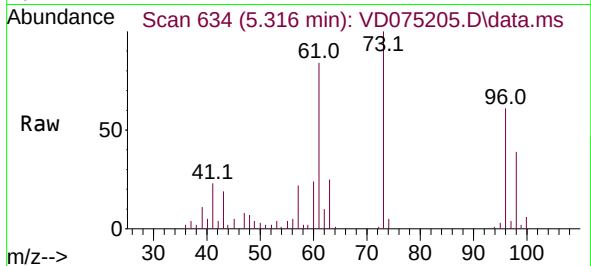




#19  
Methyl tert-butyl Ether  
Concen: 51.208 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

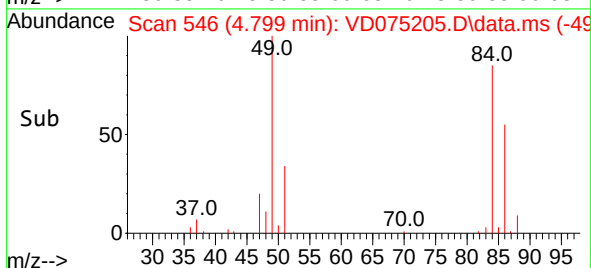
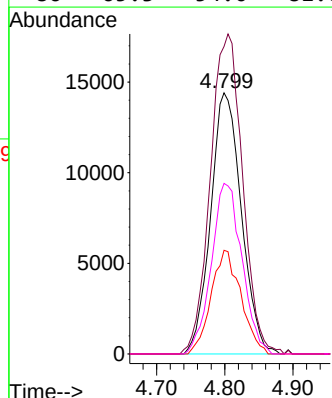
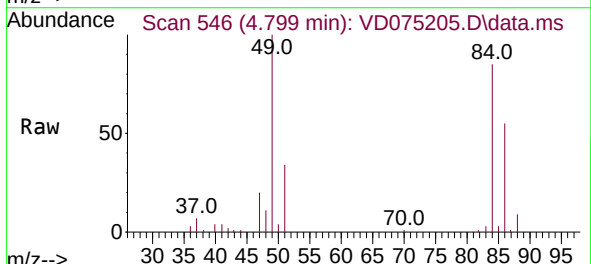
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

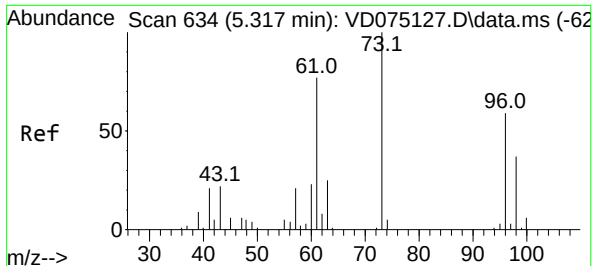
Tgt Ion: 73 Resp: 80308  
Ion Ratio Lower Upper  
73 100  
57 22.2 18.5 27.7



#20  
Methylene Chloride  
Concen: 49.013 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 84 Resp: 45194  
Ion Ratio Lower Upper  
84 100  
49 117.8 97.0 145.6  
51 39.7 30.9 46.3  
86 65.3 54.0 81.0

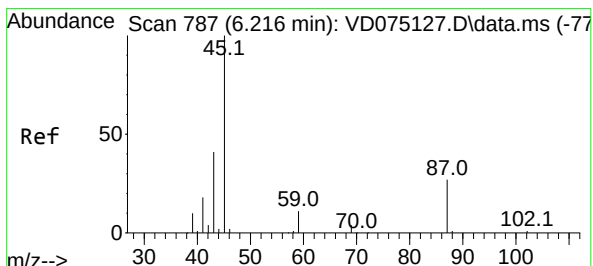
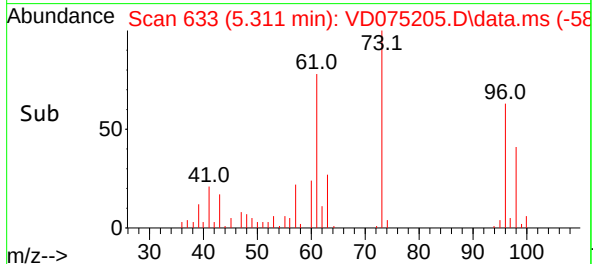
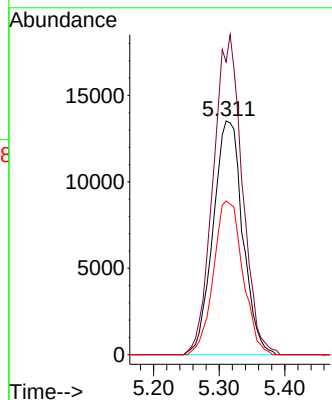
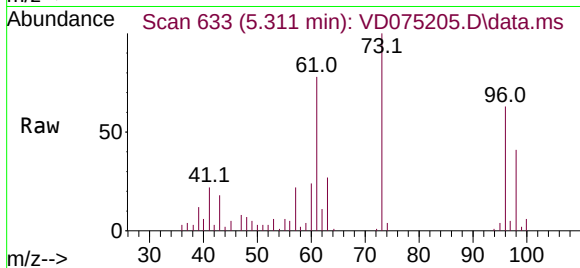




#21  
trans-1,2-Dichloroethene  
Concen: 50.688 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

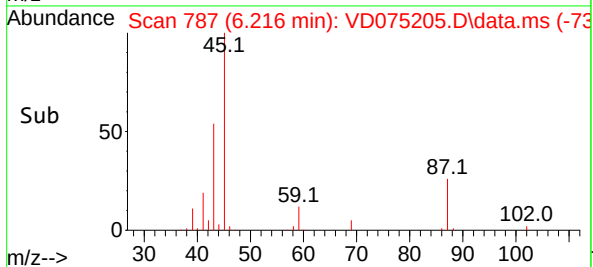
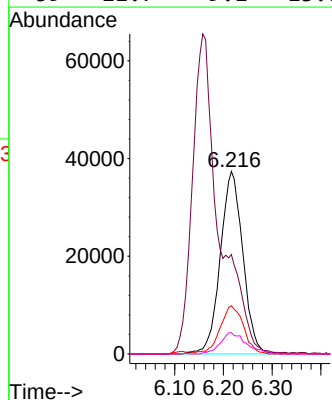
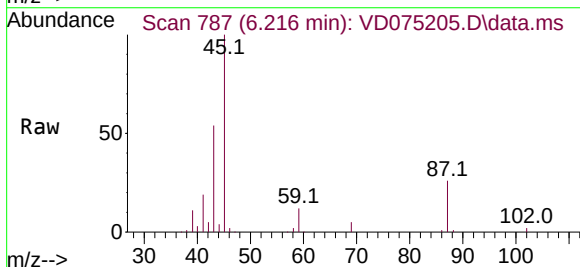
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

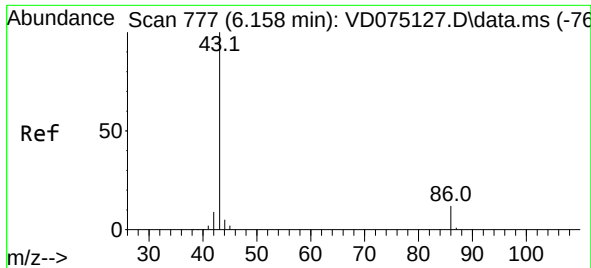
Tgt Ion: 96 Resp: 42363  
Ion Ratio Lower Upper  
96 100  
61 125.2 105.7 158.5  
98 65.8 50.4 75.6



#22  
Diisopropyl ether  
Concen: 53.069 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 45 Resp: 120346  
Ion Ratio Lower Upper  
45 100  
43 53.7 45.3 67.9  
87 26.4 22.1 33.1  
59 11.7 9.1 13.7

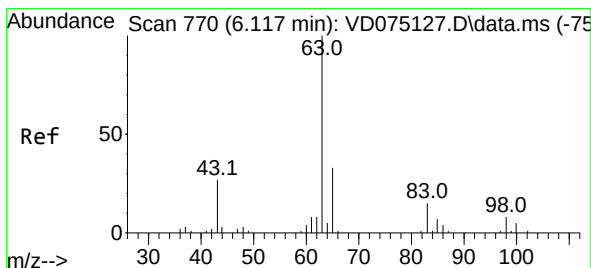
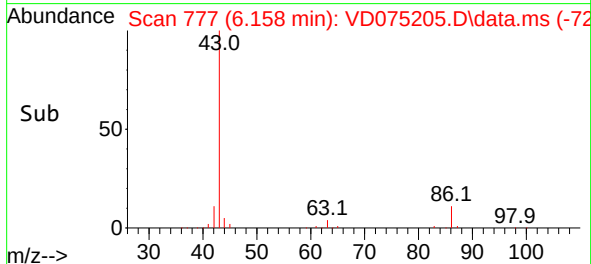
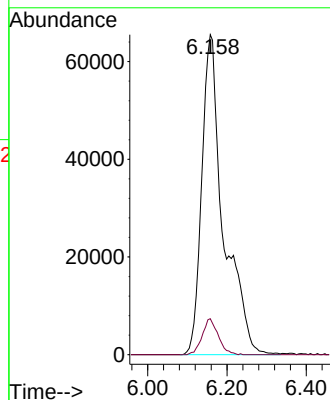
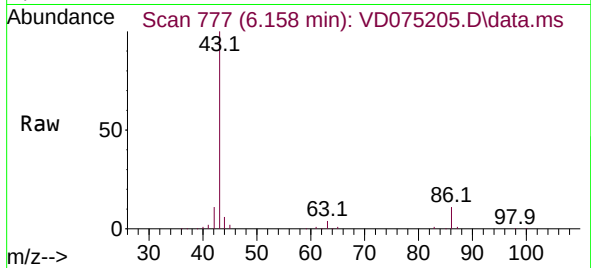




#23  
 Vinyl Acetate  
 Concen: 249.241 ug/l  
 RT: 6.158 min Scan# 777  
 Delta R.T. -0.000 min  
 Lab File: VD075205.D  
 Acq: 25 Jan 2023 17:54

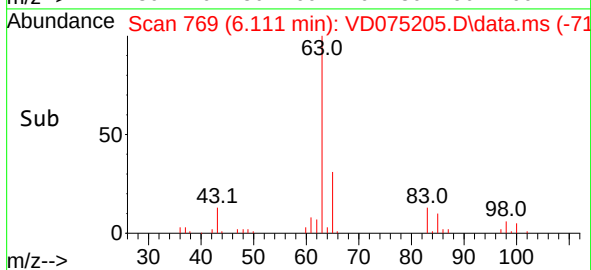
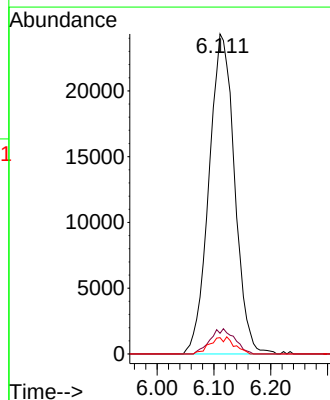
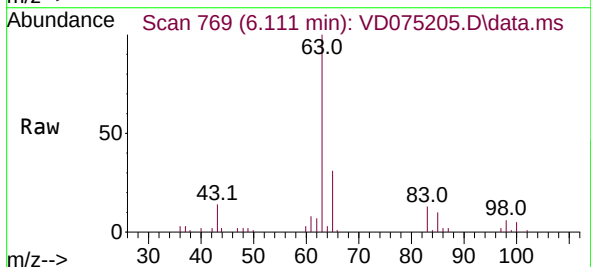
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 249108  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 9.3 13.9

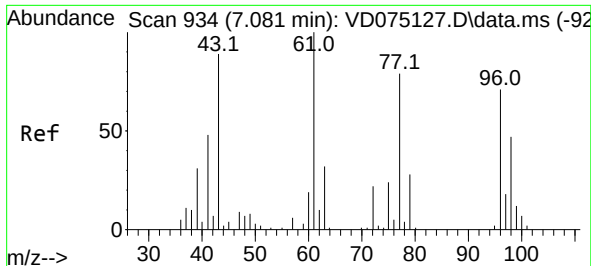


#24  
 1,1-Dichloroethane  
 Concen: 53.412 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. -0.006 min  
 Lab File: VD075205.D  
 Acq: 25 Jan 2023 17:54

Tgt Ion: 63 Resp: 76118  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 4.0 12.2  
 100 5.1 2.5 7.4



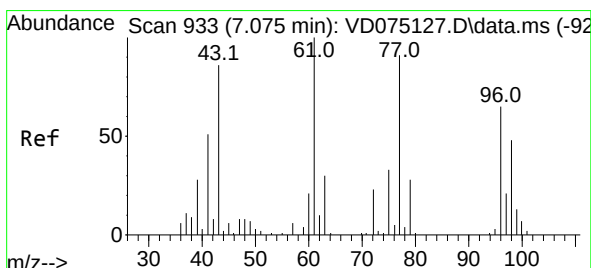
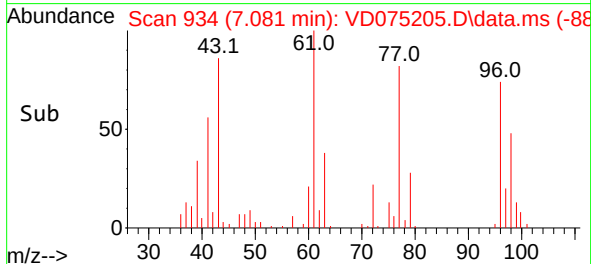
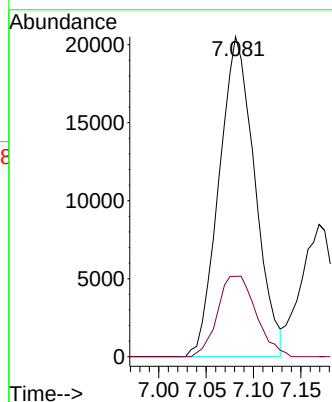
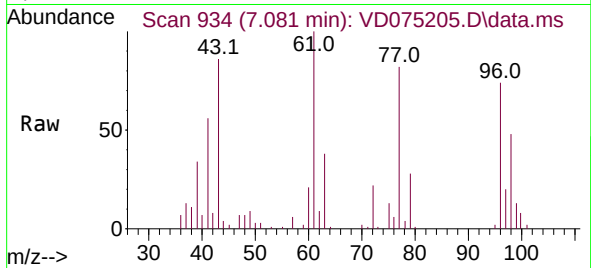




#25  
2-Butanone  
Concen: 252.425 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

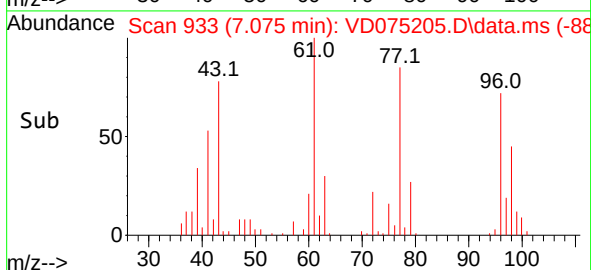
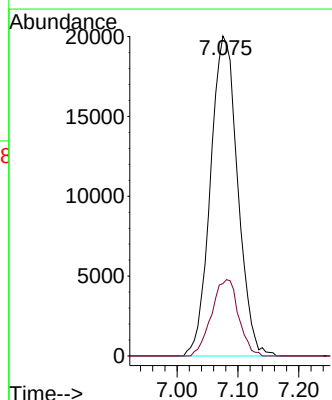
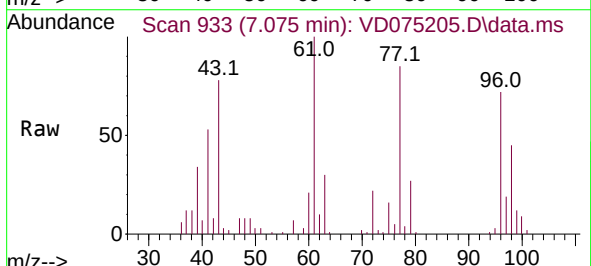
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

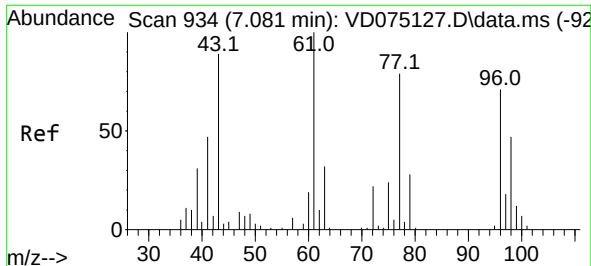
Tgt Ion: 43 Resp: 53835  
Ion Ratio Lower Upper  
43 100  
72 25.1 19.8 29.8



#26  
2,2-Dichloropropane  
Concen: 48.962 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 77 Resp: 62201  
Ion Ratio Lower Upper  
77 100  
97 23.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 52.055 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

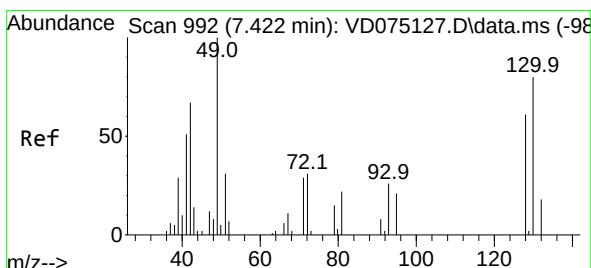
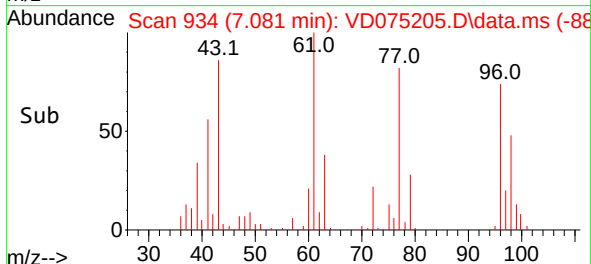
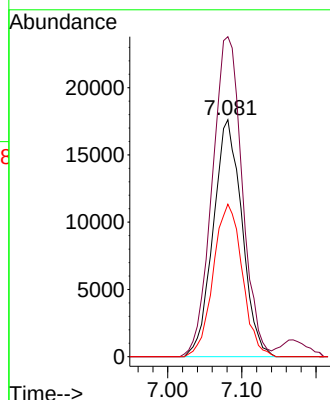
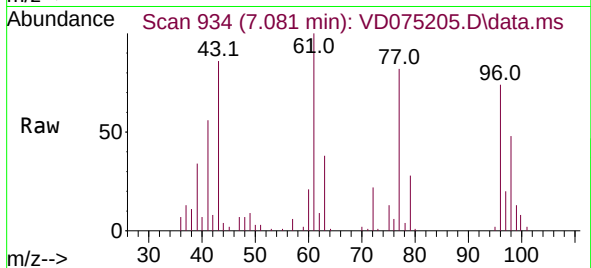
Tgt Ion: 96 Resp: 47424

Ion Ratio Lower Upper

96 100

61 141.1 0.0 287.4

98 65.0 0.0 129.8



#28

Bromochloromethane

Concen: 49.996 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.006 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

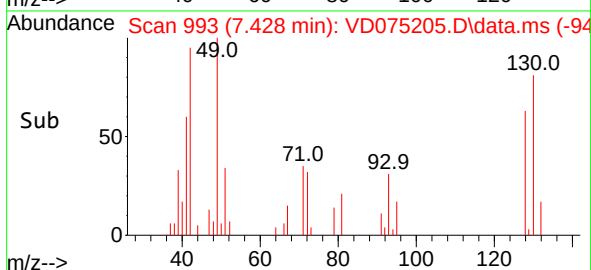
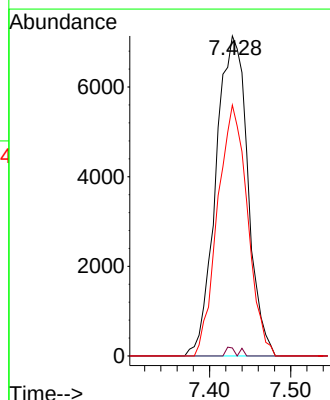
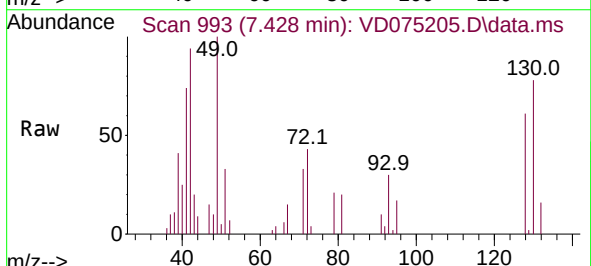
Tgt Ion: 49 Resp: 19453

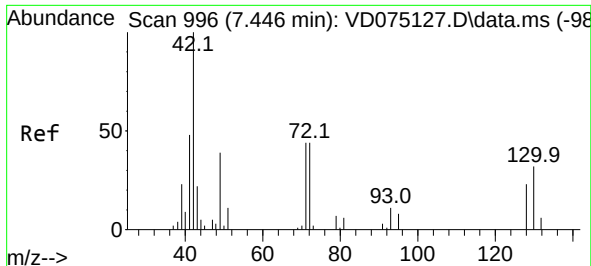
Ion Ratio Lower Upper

49 100

129 1.0 0.0 2.6

130 73.8 63.6 95.4

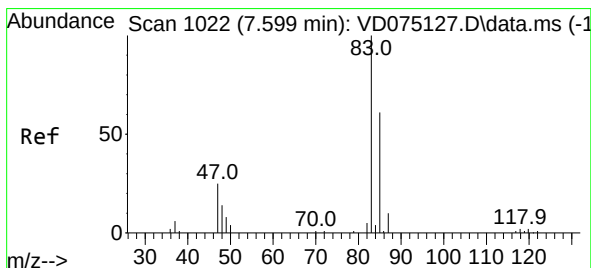
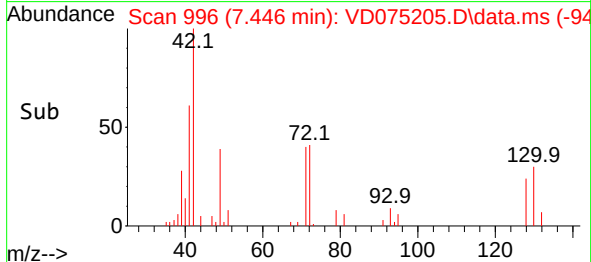
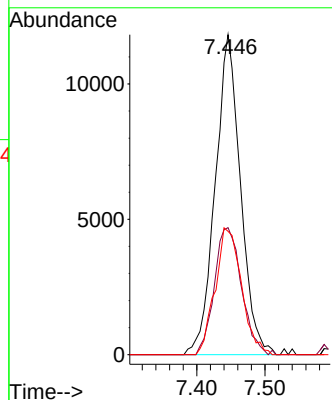
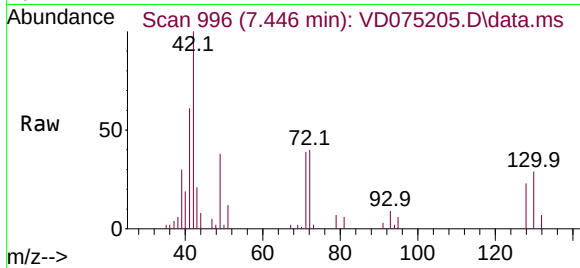




#29  
Tetrahydrofuran  
Concen: 250.491 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

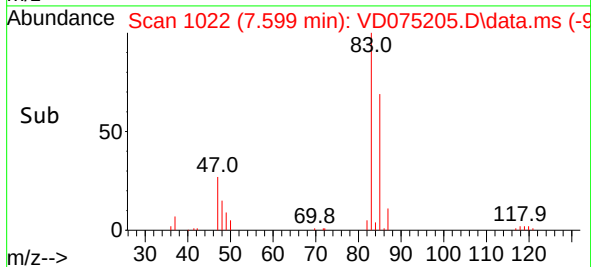
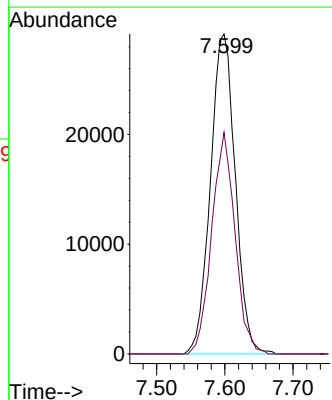
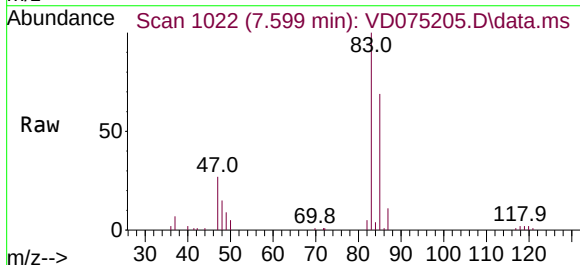
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

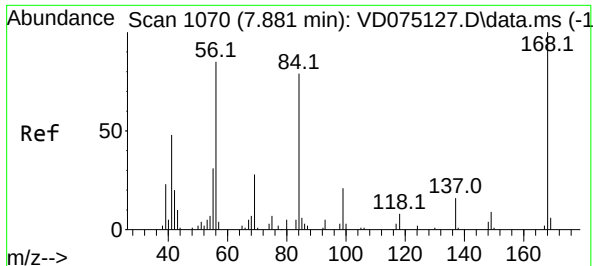
Tgt Ion: 42 Resp: 30470  
Ion Ratio Lower Upper  
42 100  
72 42.7 33.8 50.8  
71 41.4 31.6 47.4



#30  
Chloroform  
Concen: 52.145 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

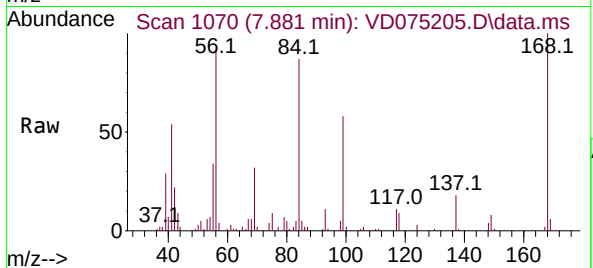
Tgt Ion: 83 Resp: 74105  
Ion Ratio Lower Upper  
83 100  
85 69.2 48.5 72.7



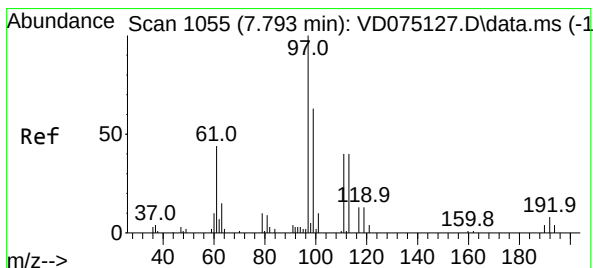
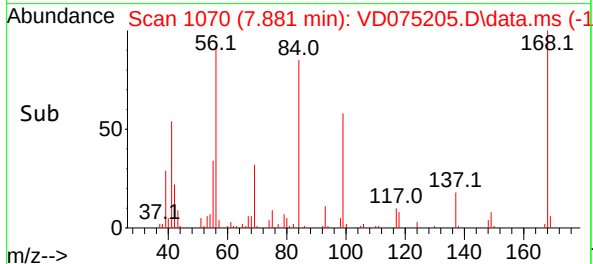
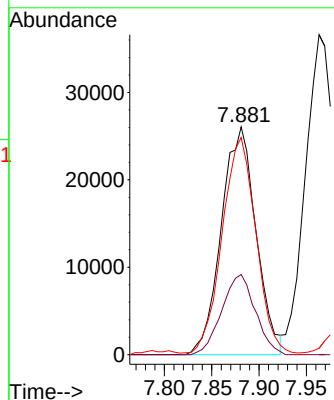


#31  
Cyclohexane  
Concen: 49.526 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

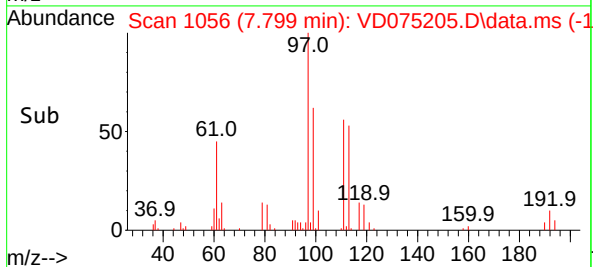
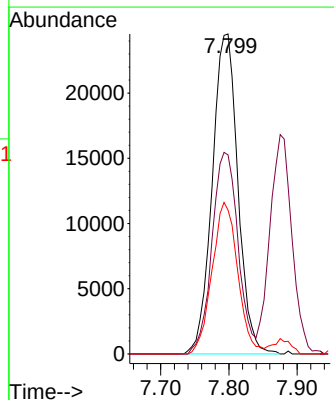
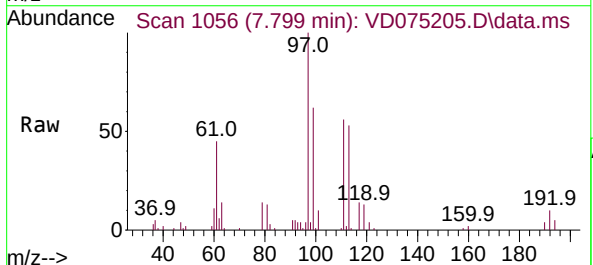


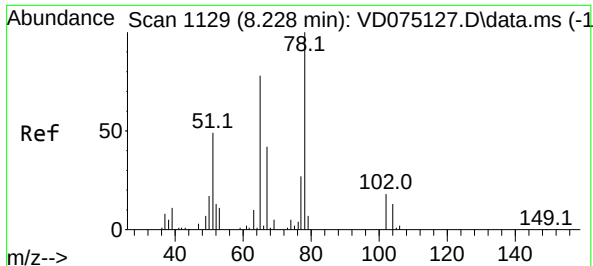
Tgt Ion: 56 Resp: 66456  
Ion Ratio Lower Upper  
56 100  
69 35.2 26.6 40.0  
84 94.6 74.1 111.1



#32  
1,1,1-Trichloroethane  
Concen: 52.537 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 97 Resp: 64324  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.7 77.5  
61 47.5 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 54.307 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

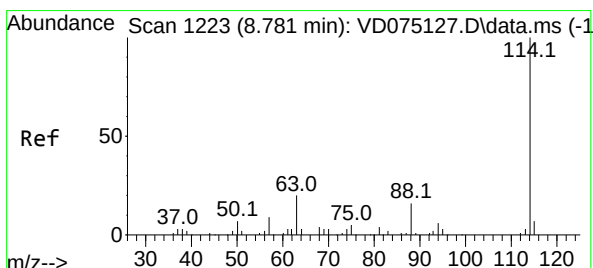
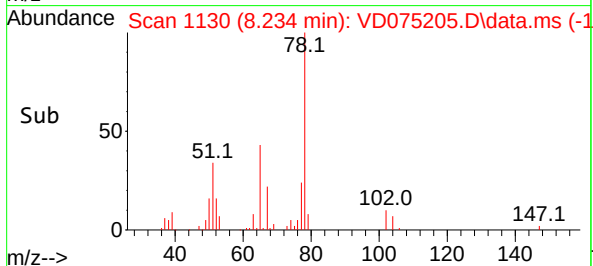
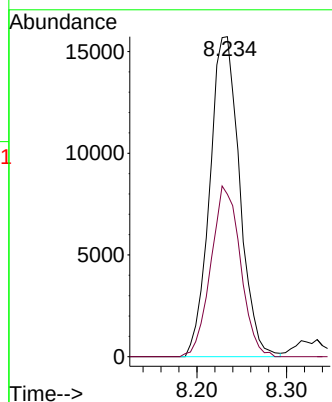
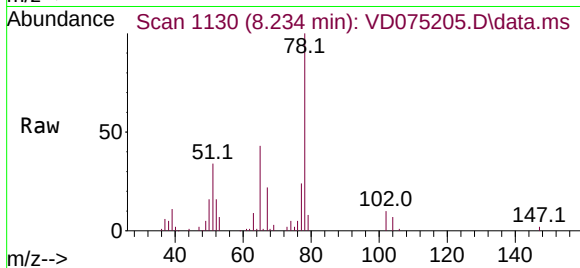
VSTDCCC050EC

Tgt Ion: 65 Resp: 36334

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

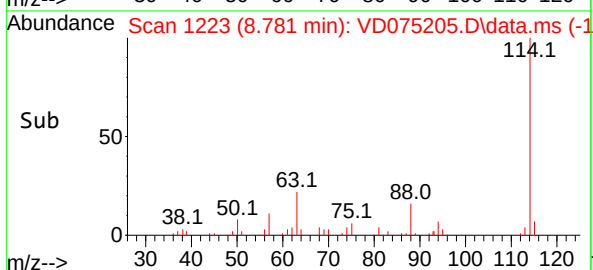
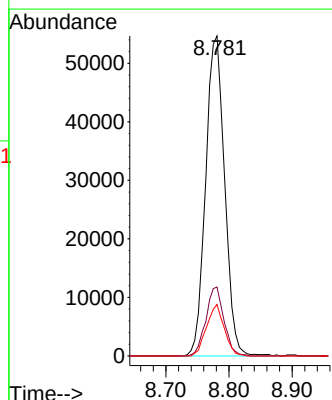
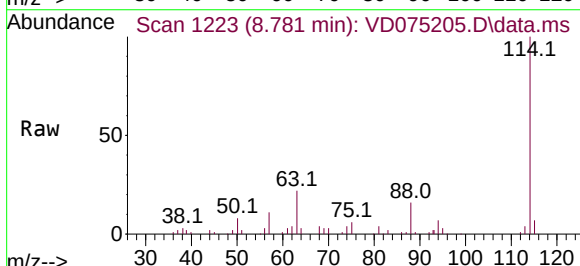
Tgt Ion: 114 Resp: 114251

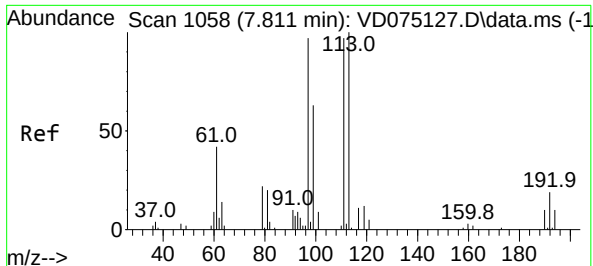
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.2

88 16.1 0.0 32.2

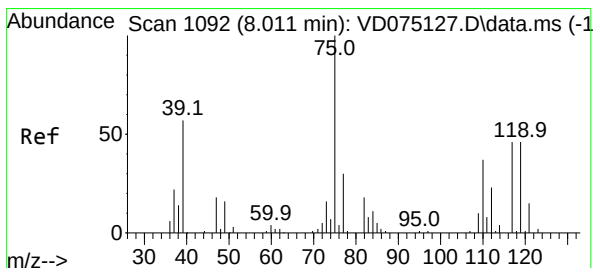
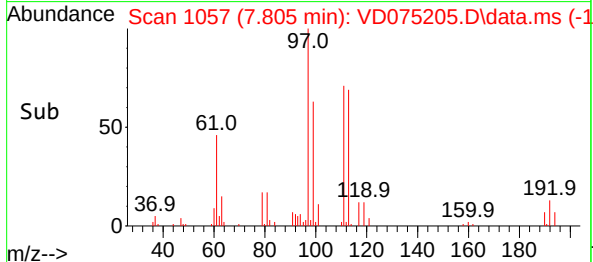
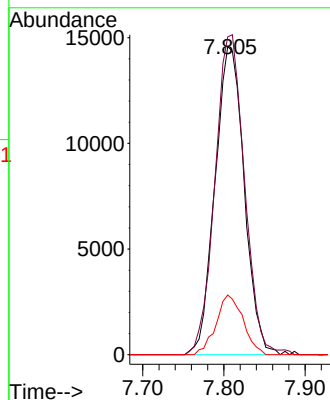
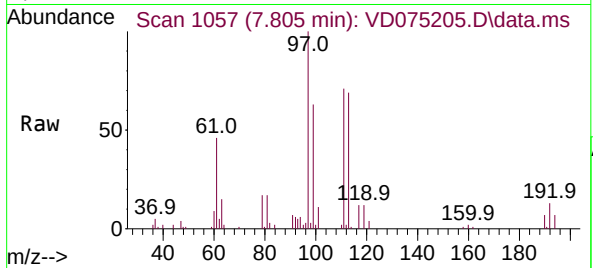




#35  
Dibromofluoromethane  
Concen: 52.817 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

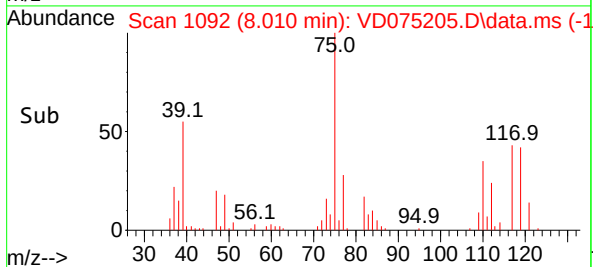
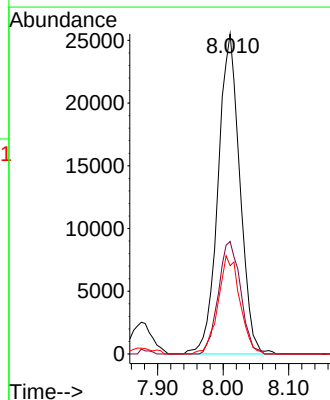
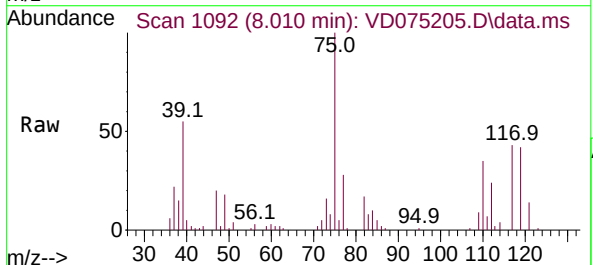
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

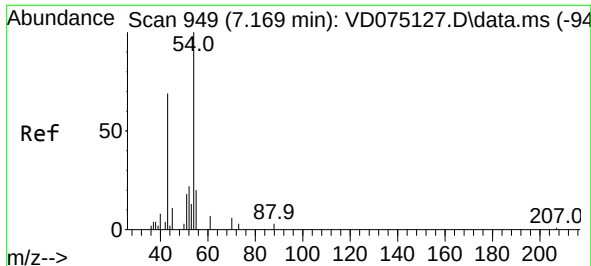
Tgt Ion:113 Resp: 36464  
Ion Ratio Lower Upper  
113 100  
111 105.1 80.1 120.1  
192 17.9 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 52.927 ug/l  
RT: 8.010 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 75 Resp: 58708  
Ion Ratio Lower Upper  
75 100  
110 35.8 18.1 54.4  
77 30.7 25.1 37.7

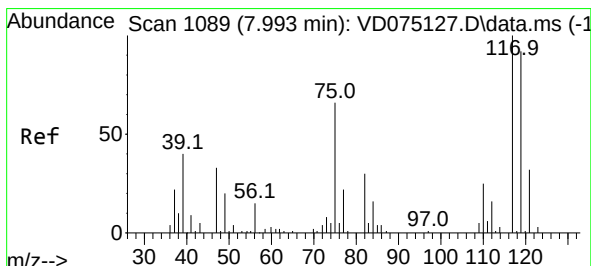
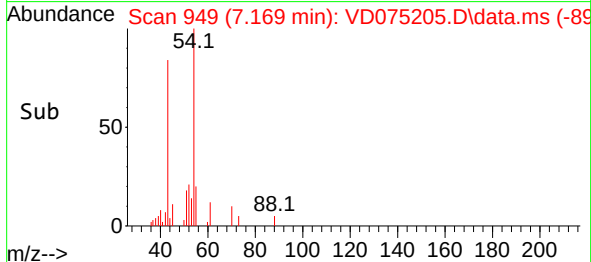
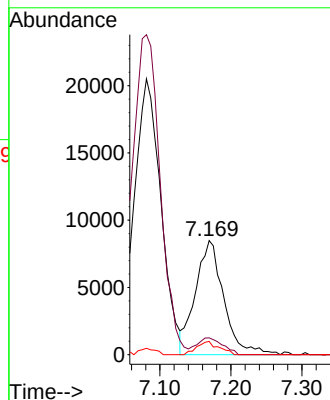
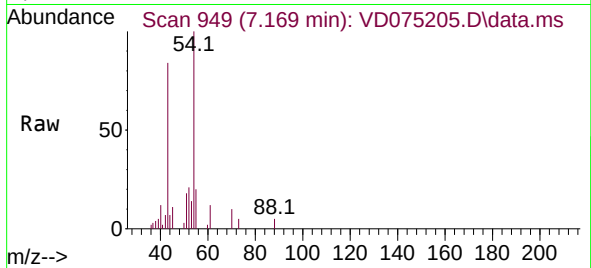




#37  
Ethyl Acetate  
Concen: 52.698 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

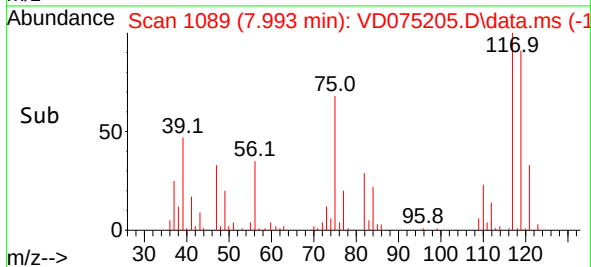
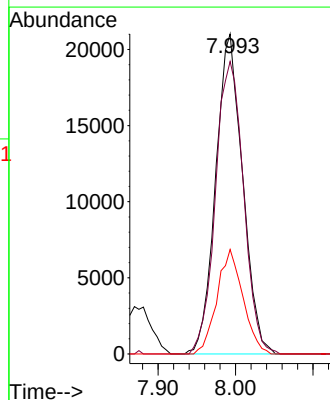
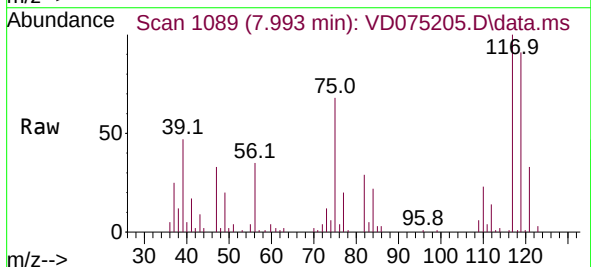
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

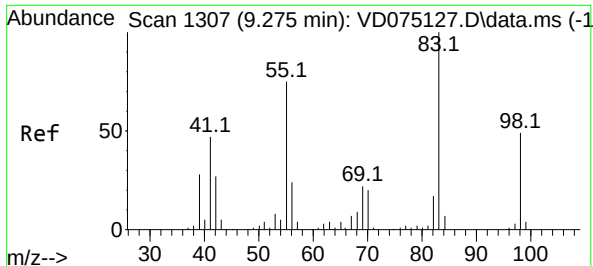
Tgt Ion: 43 Resp: 23550  
Ion Ratio Lower Upper  
43 100  
61 13.4 11.7 17.5  
70 9.0 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 54.417 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 117 Resp: 50822  
Ion Ratio Lower Upper  
117 100  
119 91.4 73.6 110.4  
121 32.6 25.4 38.0





#39

Methylcyclohexane

Concen: 51.869 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

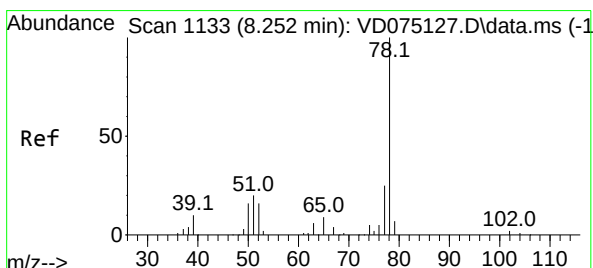
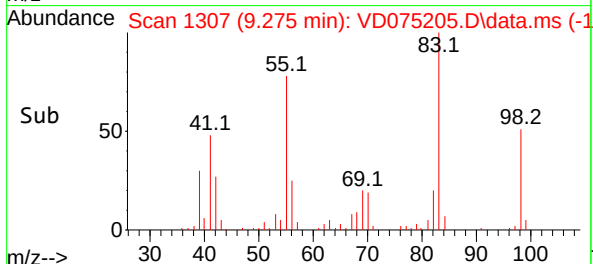
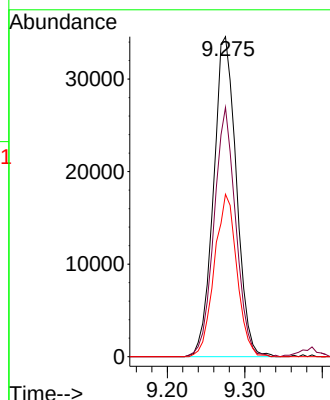
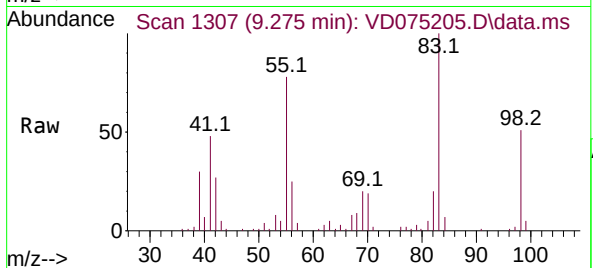
Tgt Ion: 83 Resp: 70903

Ion Ratio Lower Upper

83 100

55 77.9 60.0 90.0

98 50.7 39.0 58.4



#40

Benzene

Concen: 54.081 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075205.D

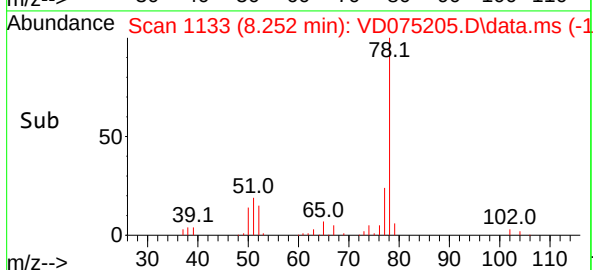
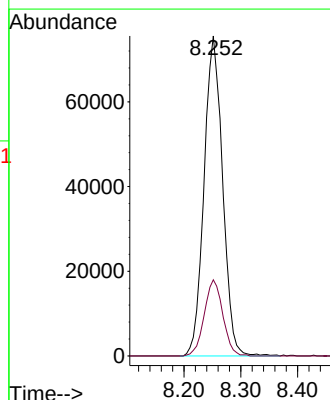
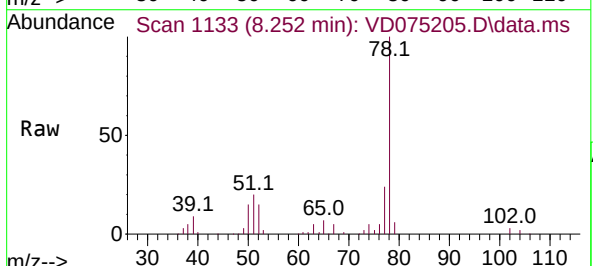
Acq: 25 Jan 2023 17:54

Tgt Ion: 78 Resp: 171075

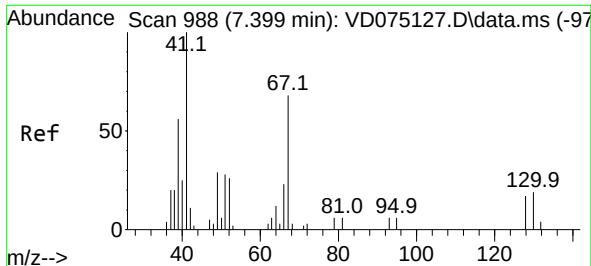
Ion Ratio Lower Upper

78 100

77 23.8 19.8 29.6



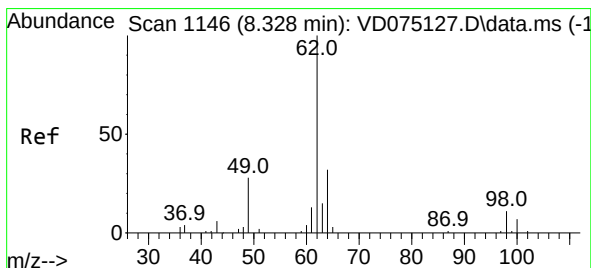
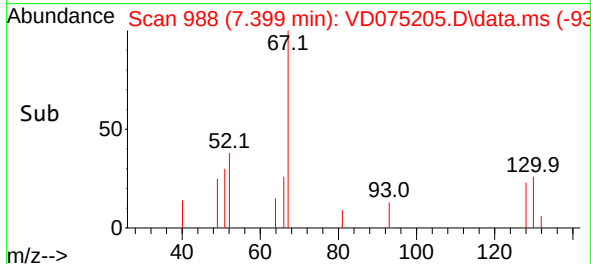
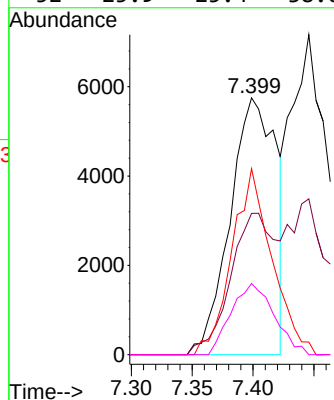
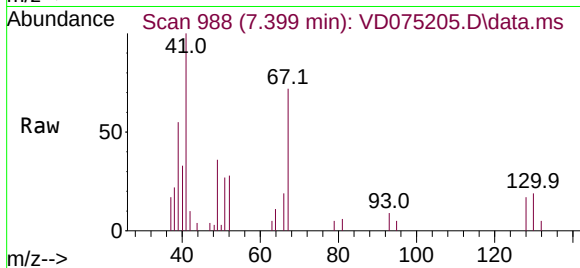




#41  
Methacrylonitrile  
Concen: 56.288 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

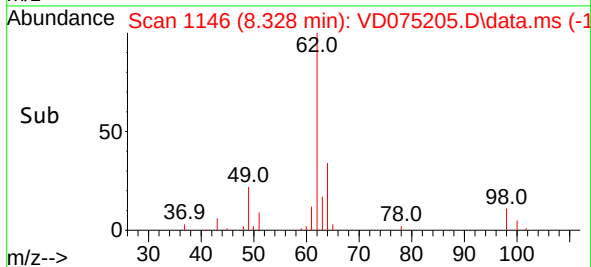
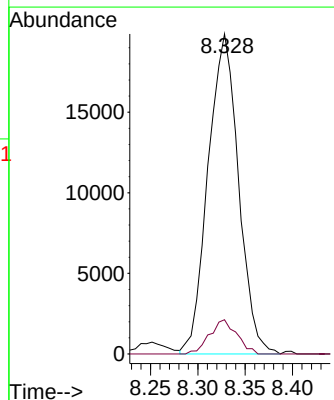
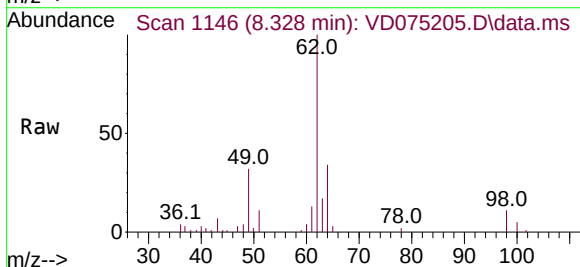
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

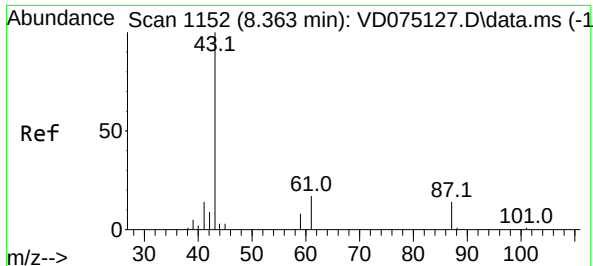
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 15136 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.0  | 57.8  | 86.6# |
| 67       | 63.0  | 60.5  | 90.7  |
| 52       | 25.9  | 25.4  | 38.0  |



#42  
1,2-Dichloroethane  
Concen: 53.478 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 44436 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.5   | 0.0   | 19.2  |





#43

Isopropyl Acetate

Concen: 50.193 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

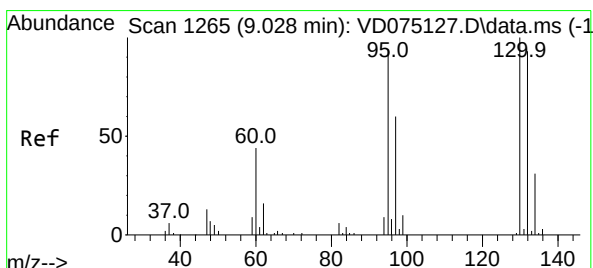
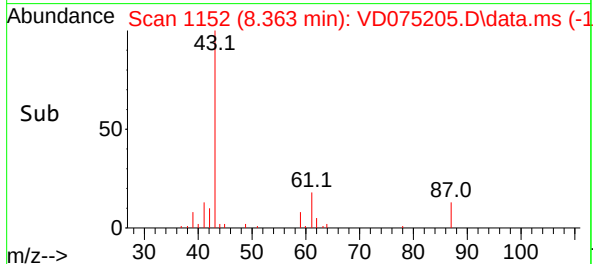
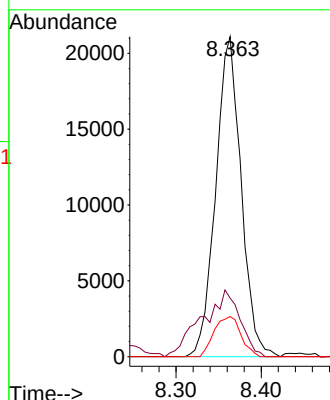
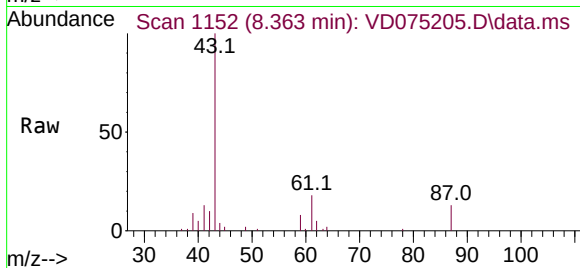
Tgt Ion: 43 Resp: 43650

Ion Ratio Lower Upper

43 100

61 31.2 25.0 37.6

87 13.2 10.6 16.0



#44

Trichloroethene

Concen: 50.066 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD075205.D

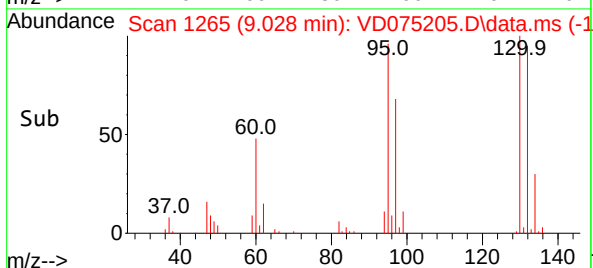
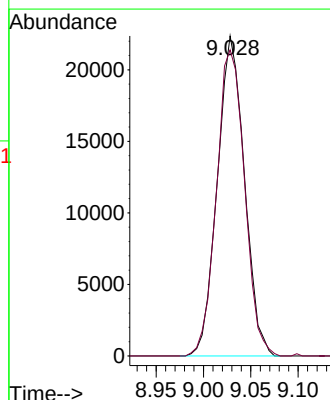
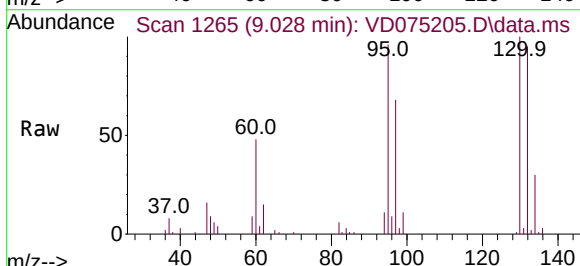
Acq: 25 Jan 2023 17:54

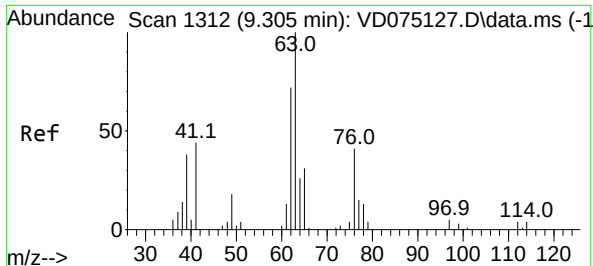
Tgt Ion:130 Resp: 44536

Ion Ratio Lower Upper

130 100

95 95.6 0.0 188.6





#45

1,2-Dichloropropane

Concen: 52.429 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

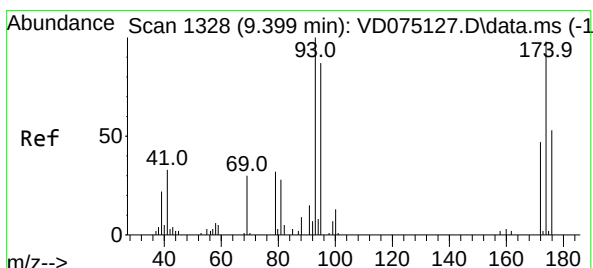
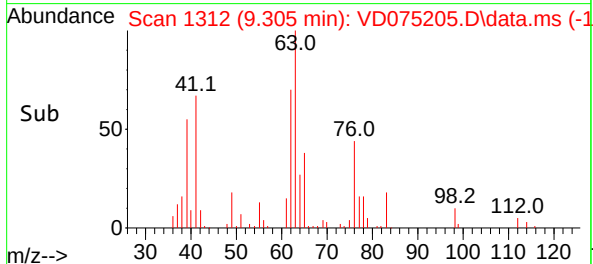
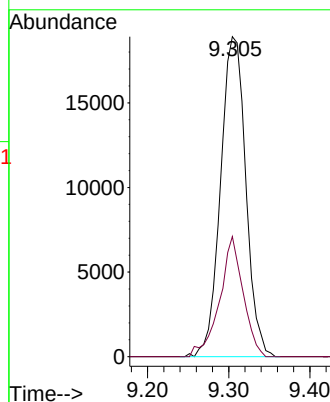
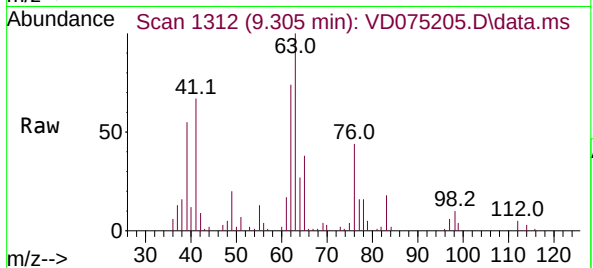
VSTDCCC050EC

Tgt Ion: 63 Resp: 40854

Ion Ratio Lower Upper

63 100

65 37.6 25.1 37.7



#46

Dibromomethane

Concen: 53.666 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.006 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

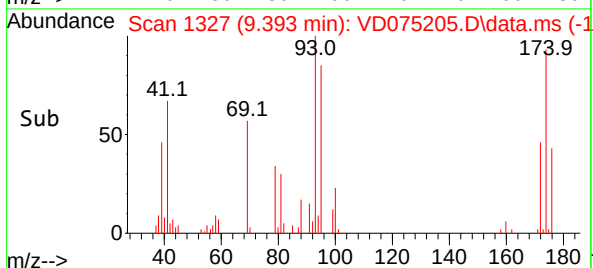
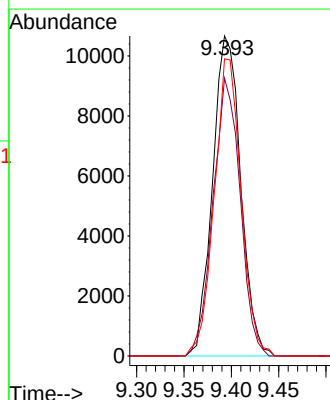
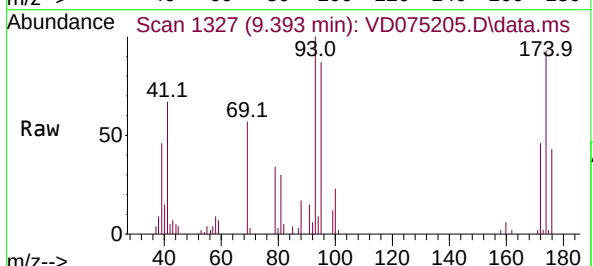
Tgt Ion: 93 Resp: 22054

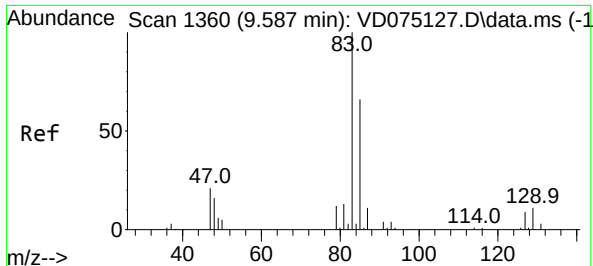
Ion Ratio Lower Upper

93 100

95 83.6 68.3 102.5

174 88.6 77.4 116.0





#47

Bromodichloromethane

Concen: 53.185 ug/l

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

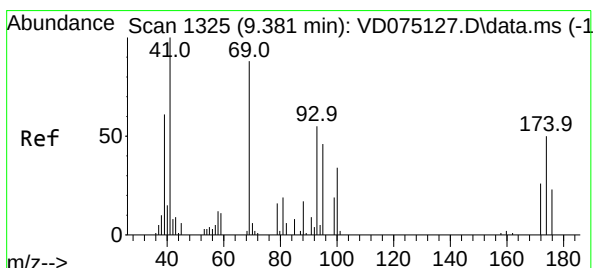
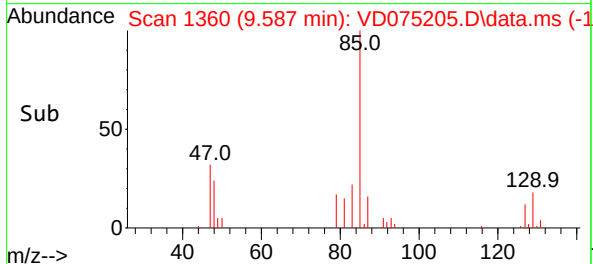
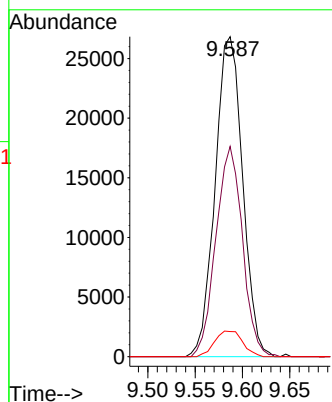
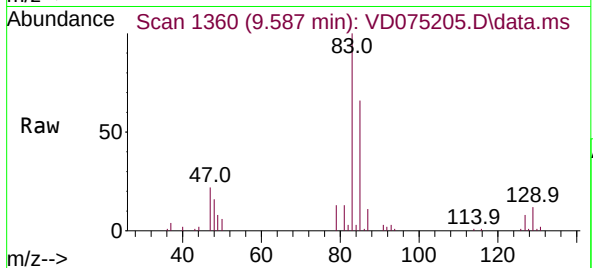
Tgt Ion: 83 Resp: 54224

Ion Ratio Lower Upper

83 100

85 65.7 53.0 79.4

127 7.9 7.0 10.4



#48

Methyl methacrylate

Concen: 50.320 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

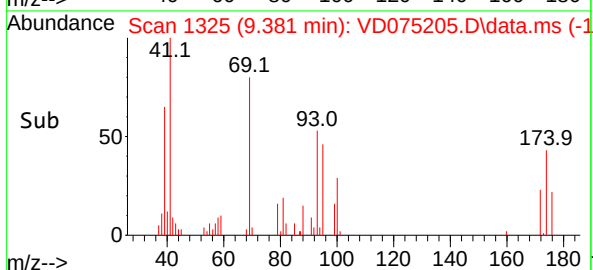
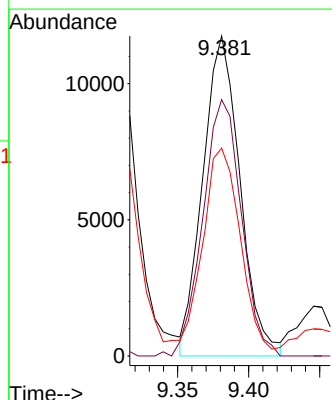
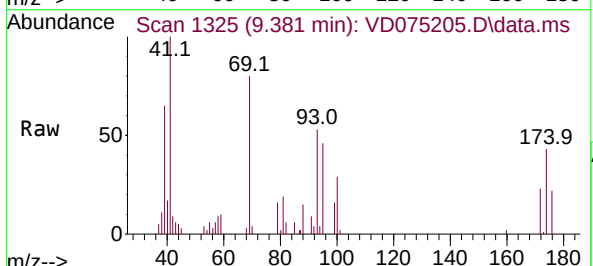
Tgt Ion: 41 Resp: 21399

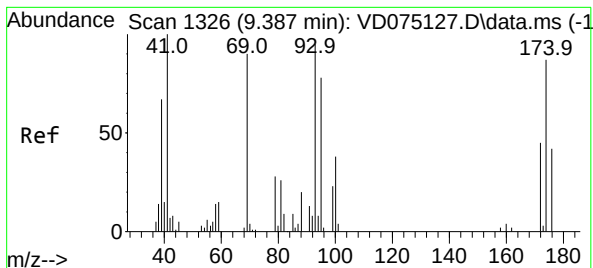
Ion Ratio Lower Upper

41 100

69 82.8 67.8 101.6

39 61.9 46.0 69.0





#49

1,4-Dioxane

Concen: 900.796 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

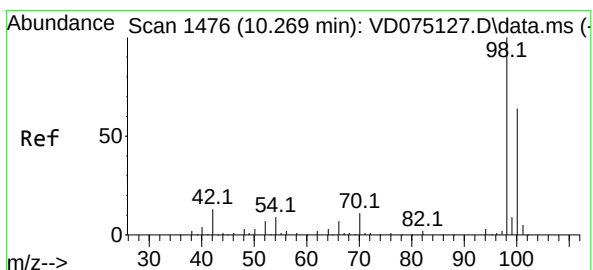
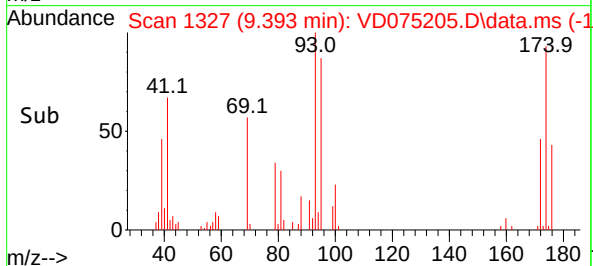
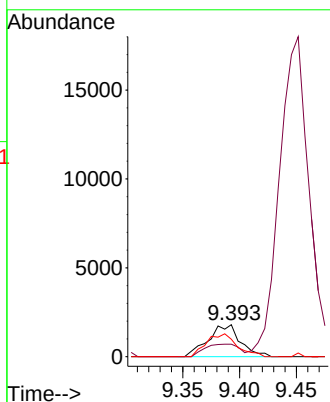
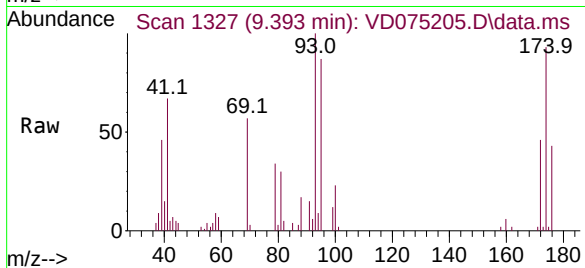
Tgt Ion: 88 Resp: 3534

Ion Ratio Lower Upper

88 100

43 42.2 35.6 53.4

58 68.3 57.4 86.2



#50

Toluene-d8

Concen: 53.432 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075205.D

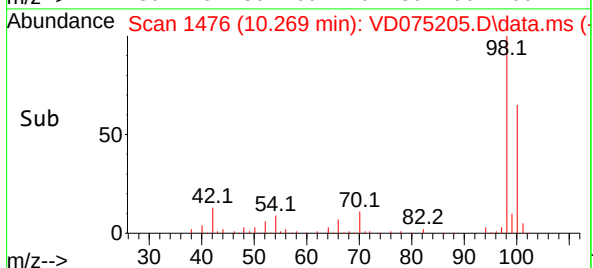
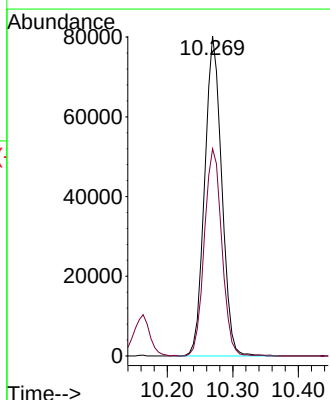
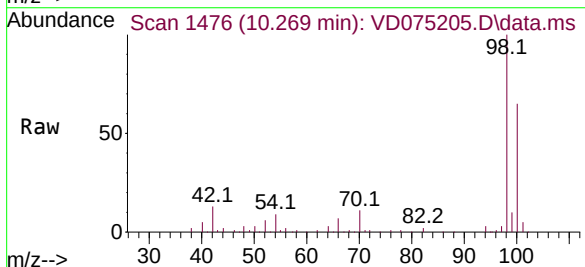
Acq: 25 Jan 2023 17:54

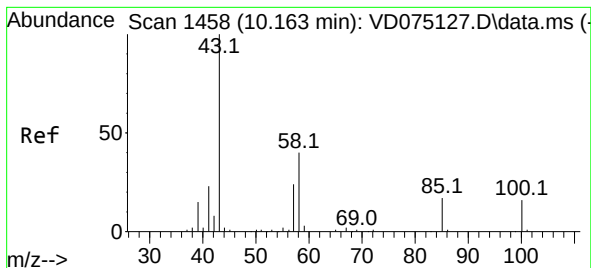
Tgt Ion: 98 Resp: 145245

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1

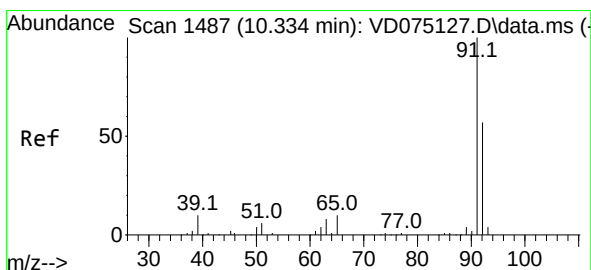
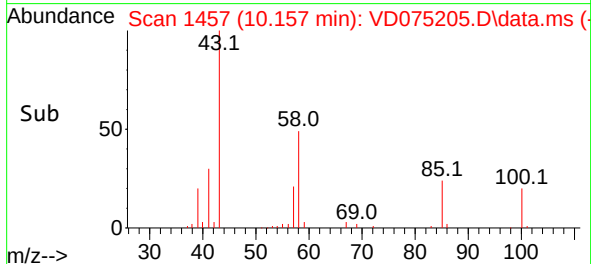
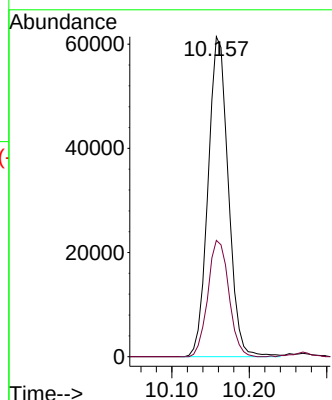
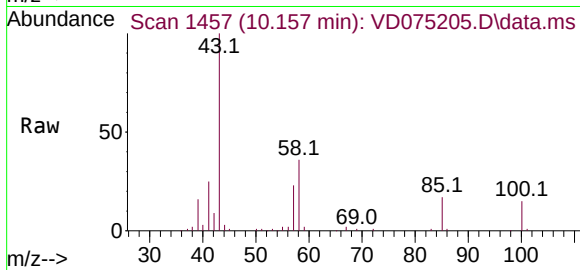




#51  
4-Methyl-2-Pentanone  
Concen: 266.727 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

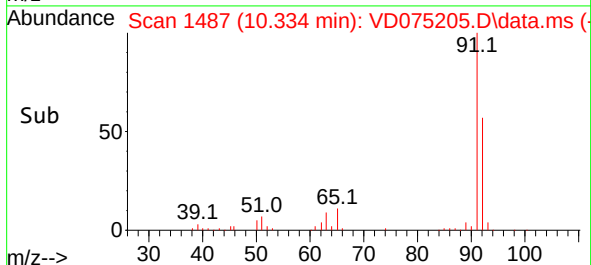
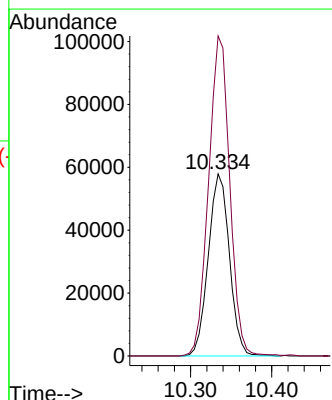
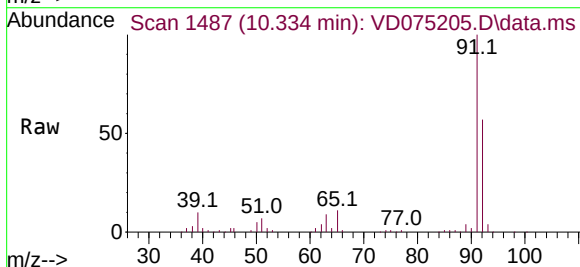
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

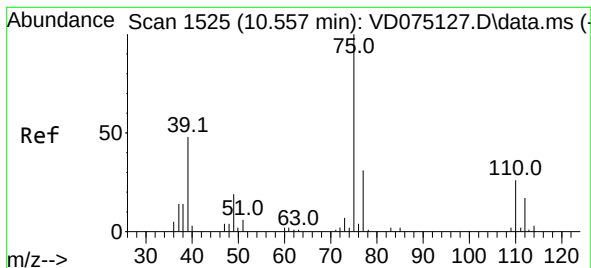
Tgt Ion: 43 Resp: 111388  
Ion Ratio Lower Upper  
43 100  
58 37.6 31.4 47.0



#52  
Toluene  
Concen: 52.312 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 92 Resp: 104573  
Ion Ratio Lower Upper  
92 100  
91 176.2 137.0 205.4

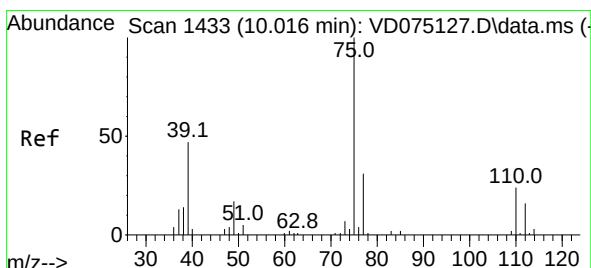
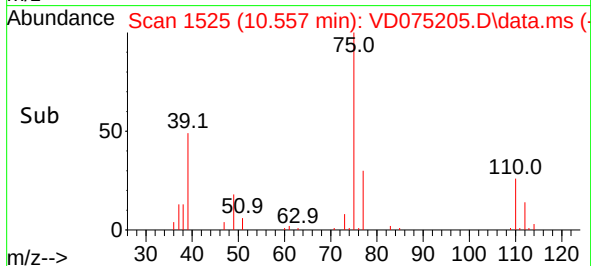
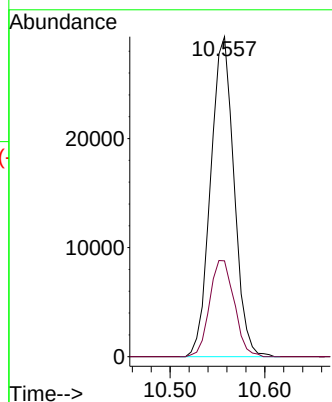
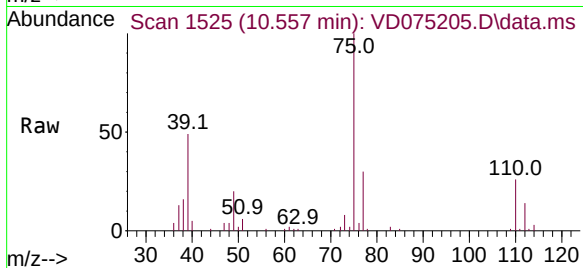




#53  
 t-1,3-Dichloropropene  
 Concen: 52.198 ug/l  
 RT: 10.557 min Scan# 1525  
 Delta R.T. -0.000 min  
 Lab File: VD075205.D  
 Acq: 25 Jan 2023 17:54

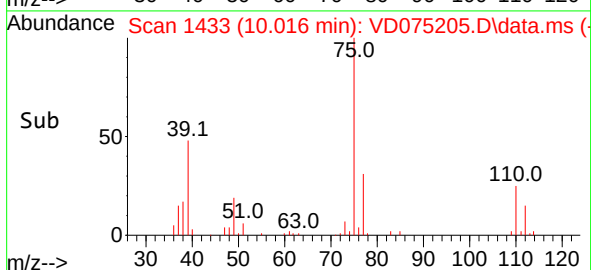
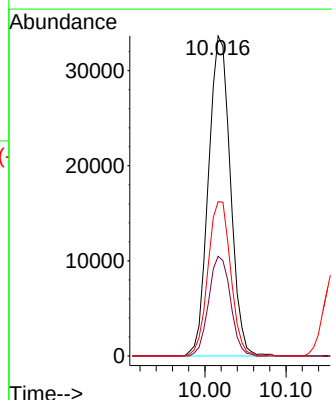
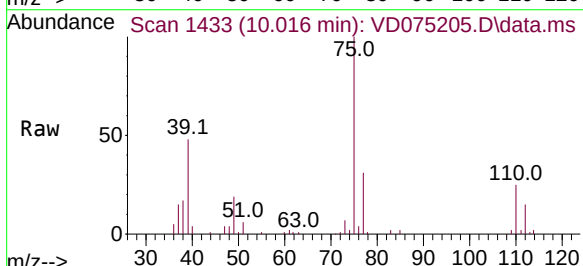
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

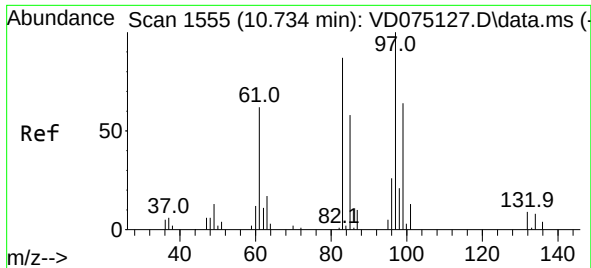
Tgt Ion: 75 Resp: 50348  
 Ion Ratio Lower Upper  
 75 100  
 77 30.0 25.0 37.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.524 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD075205.D  
 Acq: 25 Jan 2023 17:54

Tgt Ion: 75 Resp: 63074  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.1 37.7  
 39 48.2 37.9 56.9

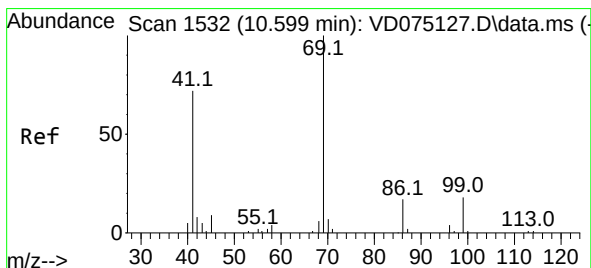
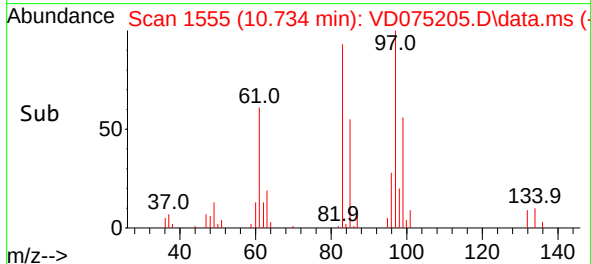
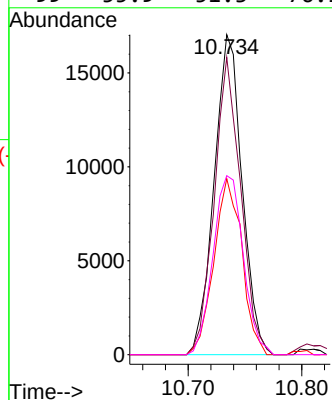
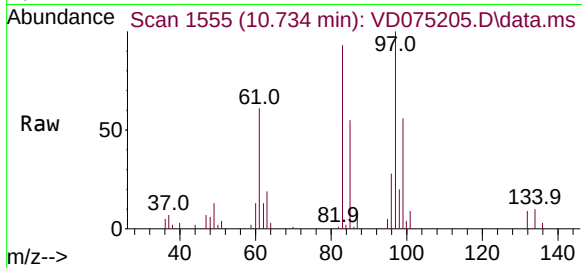




#55  
1,1,2-Trichloroethane  
Concen: 53.526 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

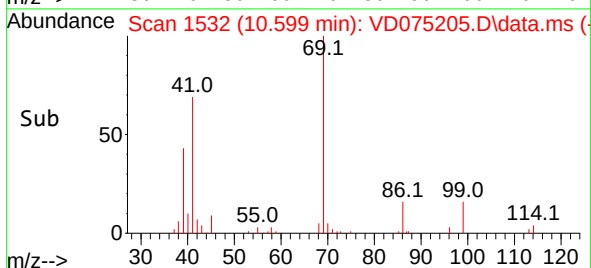
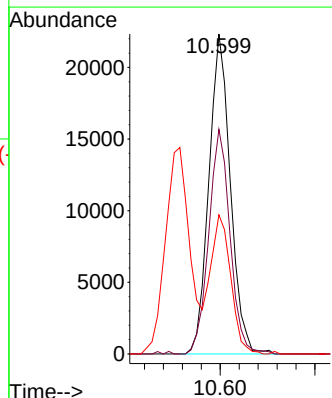
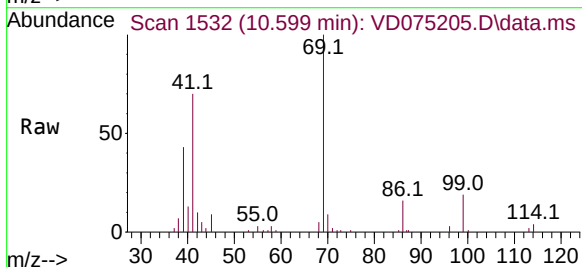
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 29110 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 92.9     | 69.4 104.0  |
| 85 55.0     | 46.0 69.0   |
| 99 55.9     | 51.3 76.9   |

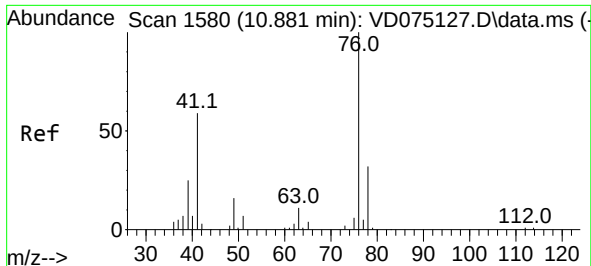


#56  
Ethyl methacrylate  
Concen: 53.775 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 35170 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 69.6     | 55.7 83.5   |
| 39 40.9     | 31.4 47.0   |







#57

1,3-Dichloropropane

Concen: 54.038 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

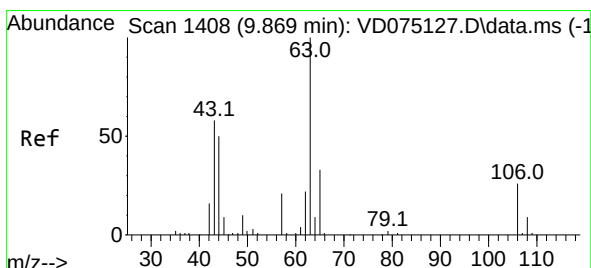
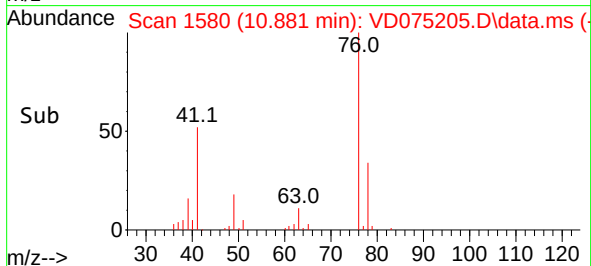
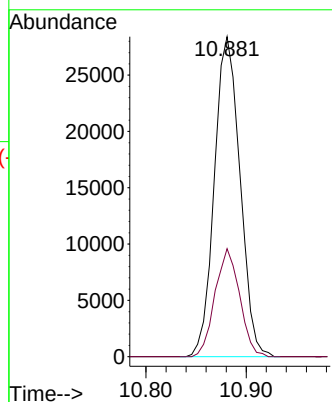
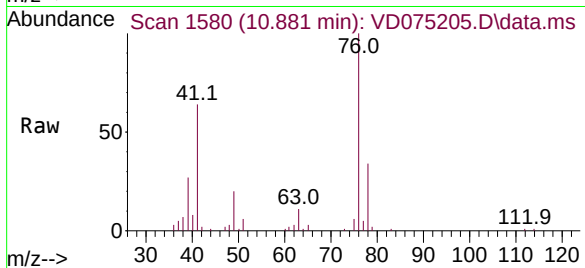
VSTDCCC050EC

Tgt Ion: 76 Resp: 50500

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 240.549 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075205.D

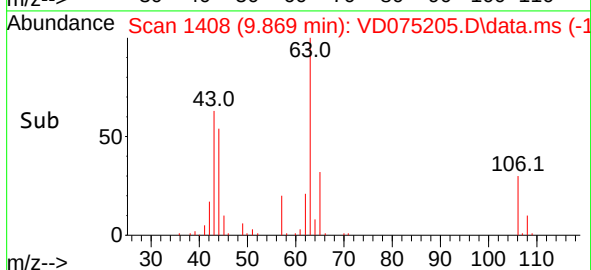
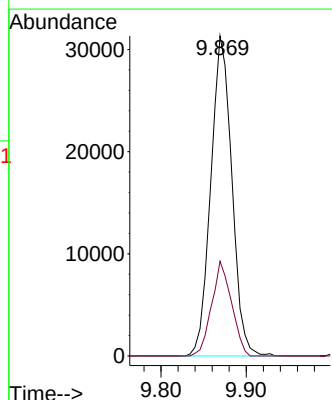
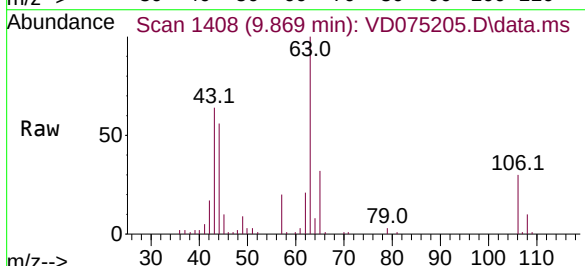
Acq: 25 Jan 2023 17:54

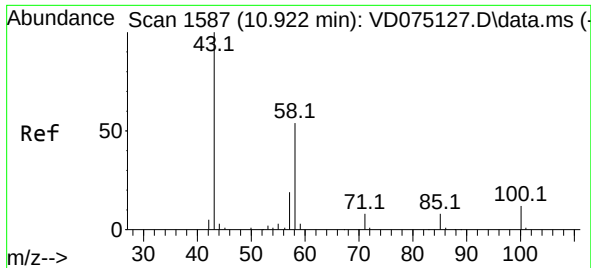
Tgt Ion: 63 Resp: 53834

Ion Ratio Lower Upper

63 100

106 27.9 22.6 33.8

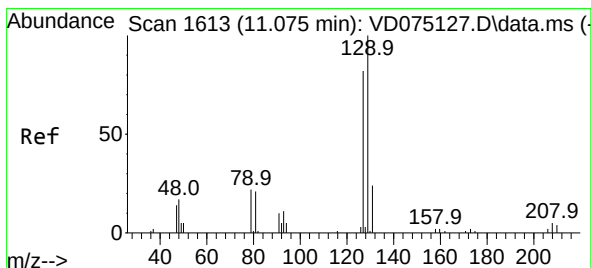
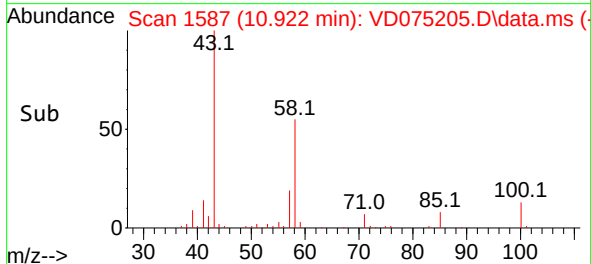
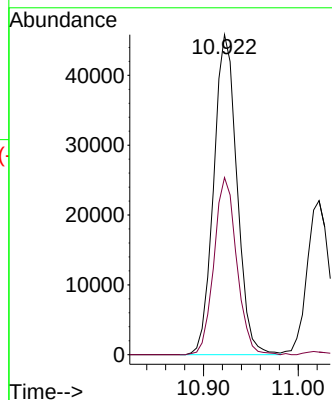
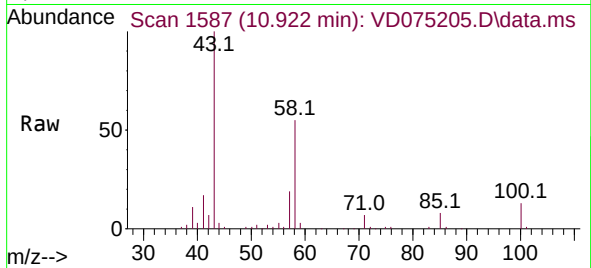




#59  
2-Hexanone  
Concen: 258.994 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

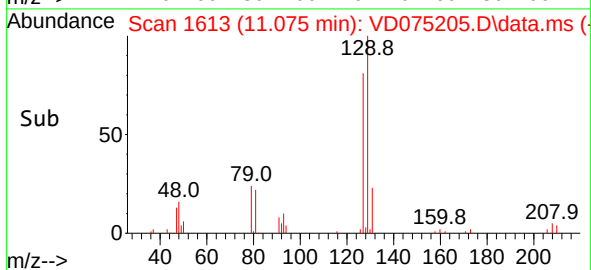
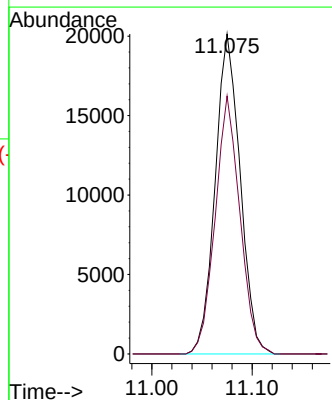
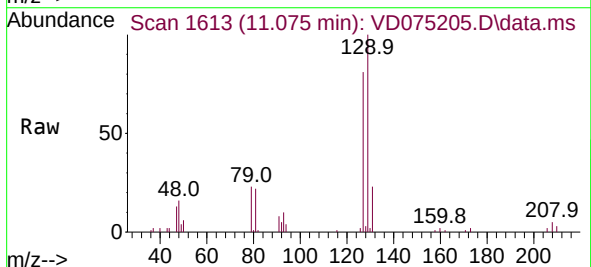
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

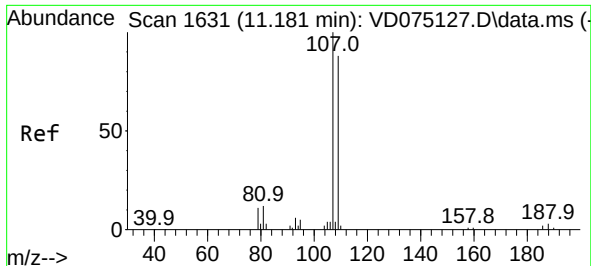
Tgt Ion: 43 Resp: 78205  
Ion Ratio Lower Upper  
43 100  
58 53.9 26.8 80.4



#60  
Dibromochloromethane  
Concen: 53.059 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 129 Resp: 34781  
Ion Ratio Lower Upper  
129 100  
127 79.8 38.9 116.6

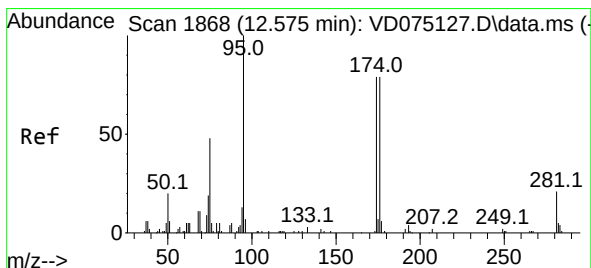
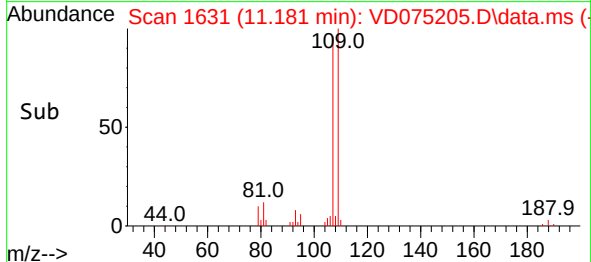
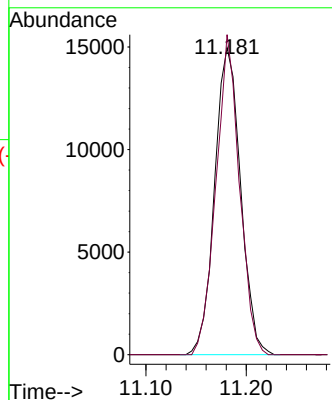
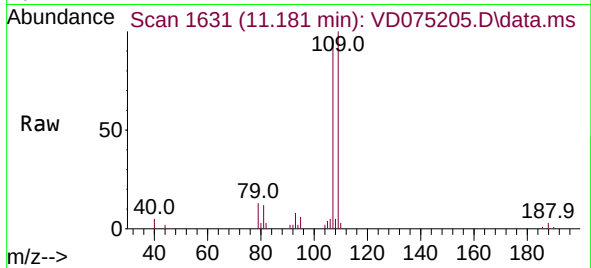




#61  
1,2-Dibromoethane  
Concen: 51.838 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

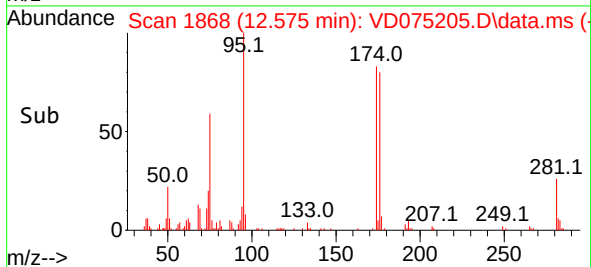
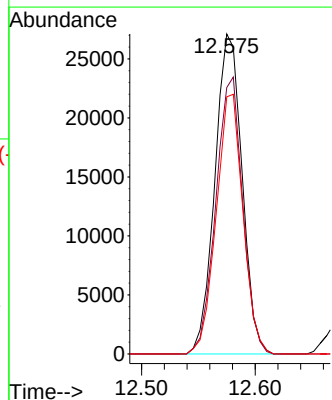
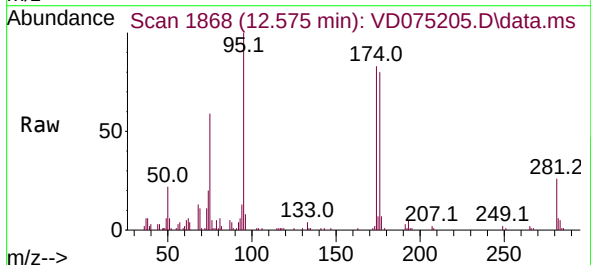
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

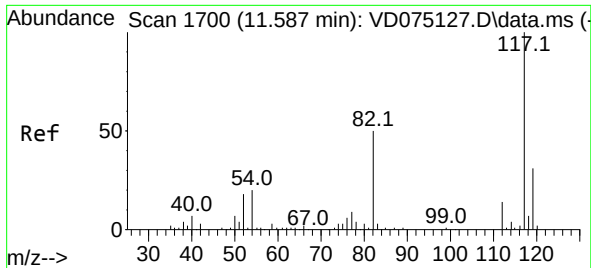
Tgt Ion:107 Resp: 26936  
Ion Ratio Lower Upper  
107 100  
109 94.3 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 52.297 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 95 Resp: 45117  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 161.2  
176 79.7 0.0 160.2

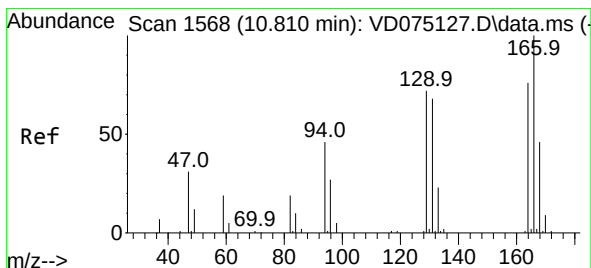
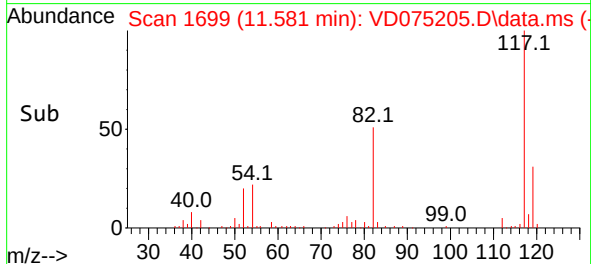
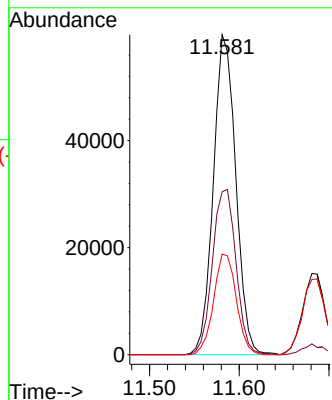
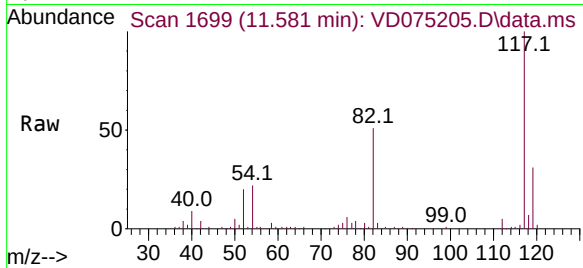




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

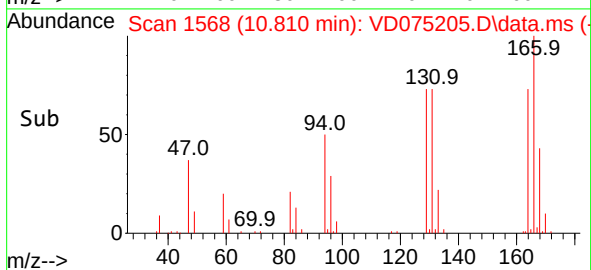
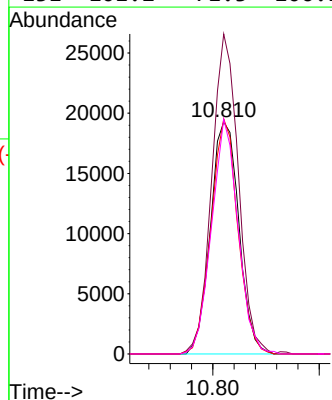
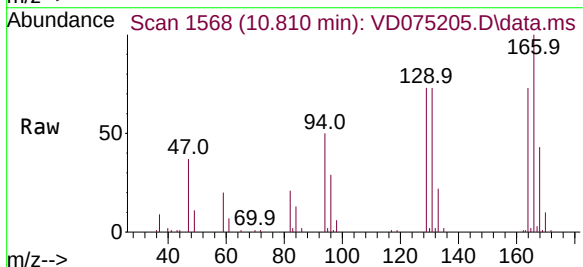
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

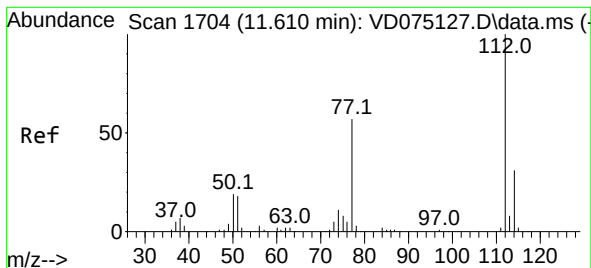
Tgt Ion:117 Resp: 103941  
Ion Ratio Lower Upper  
117 100  
82 50.9 39.6 59.4  
119 31.5 24.6 37.0



#64  
Tetrachloroethene  
Concen: 48.004 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion:164 Resp: 35631  
Ion Ratio Lower Upper  
164 100  
166 137.9 105.3 157.9  
129 101.3 76.2 114.4  
131 101.2 71.3 106.9





#65

Chlorobenzene

Concen: 50.933 ug/l

RT: 11.610 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

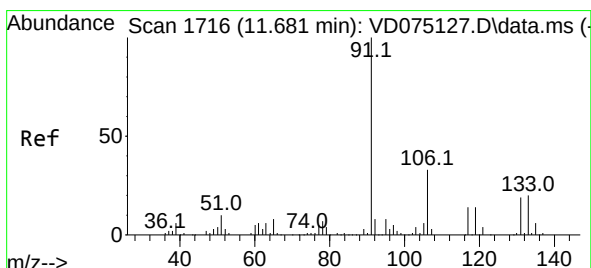
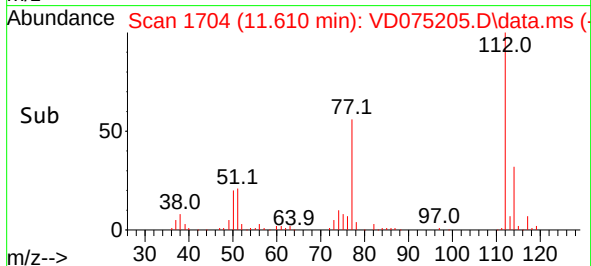
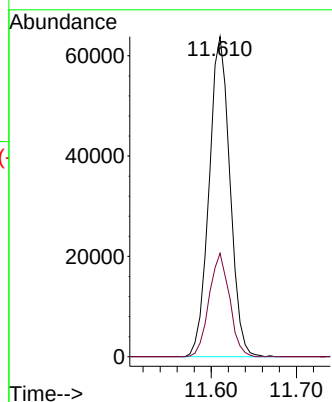
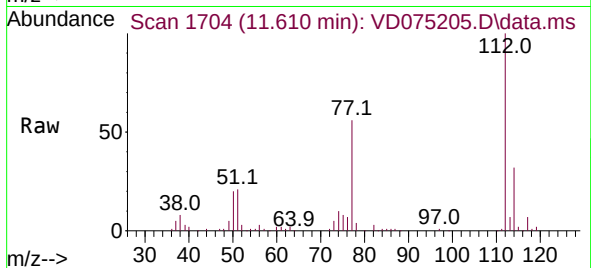
VSTDCCC050EC

Tgt Ion:112 Resp: 108480

Ion Ratio Lower Upper

112 100

114 32.3 24.7 37.1



#66

1,1,1,2-Tetrachloroethane

Concen: 52.697 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

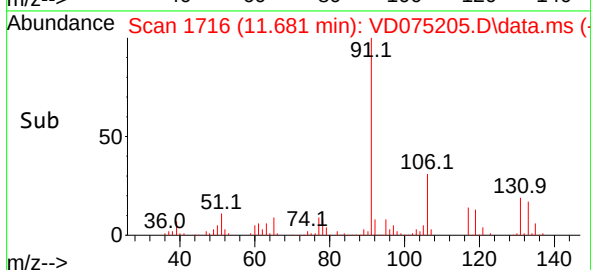
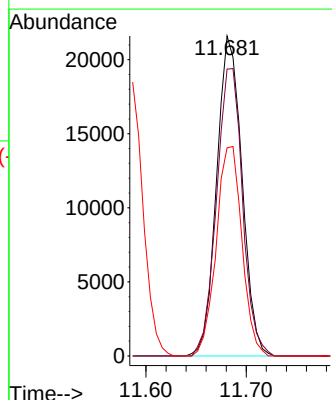
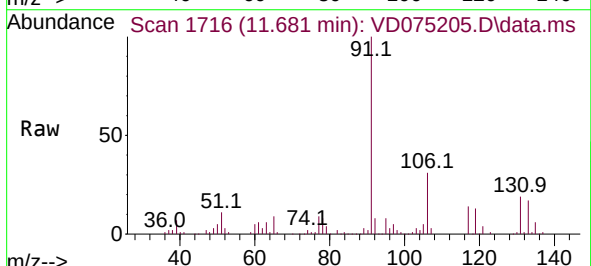
Tgt Ion:131 Resp: 37752

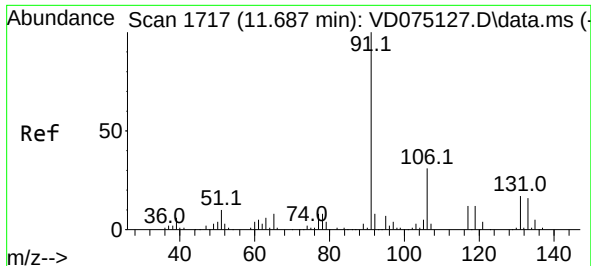
Ion Ratio Lower Upper

131 100

133 92.6 49.0 147.2

119 66.5 34.8 104.5





#67

Ethyl Benzene

Concen: 52.429 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

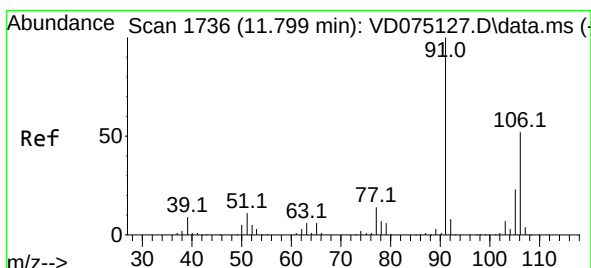
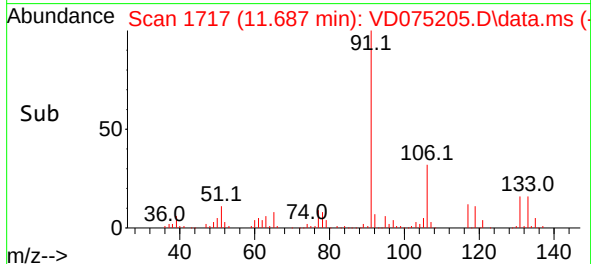
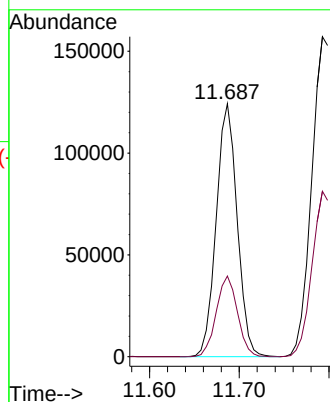
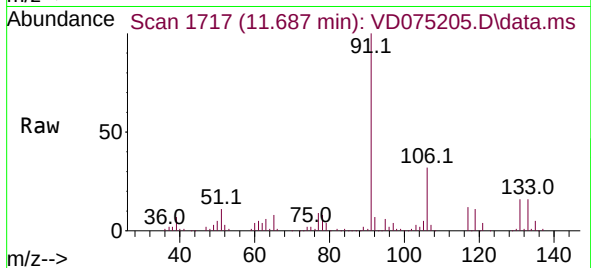
VSTDCCC050EC

Tgt Ion: 91 Resp: 201006

Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.6



#68

m/p-Xylenes

Concen: 104.904 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VD075205.D

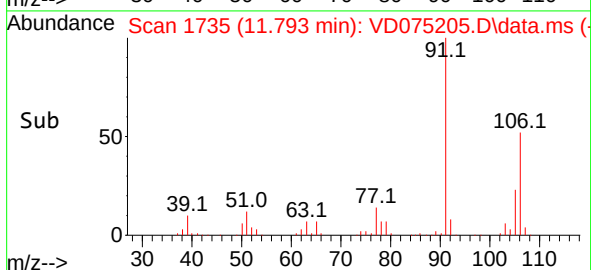
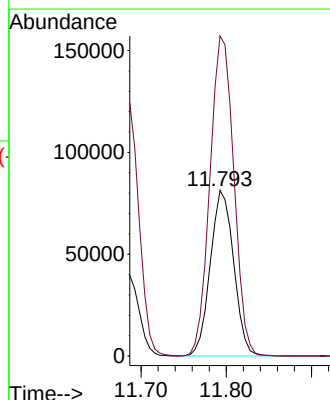
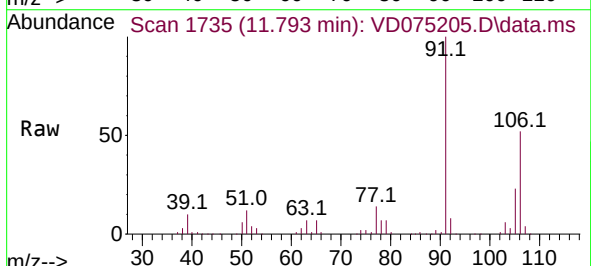
Acq: 25 Jan 2023 17:54

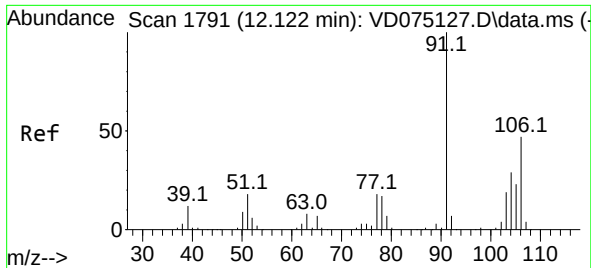
Tgt Ion:106 Resp: 155365

Ion Ratio Lower Upper

106 100

91 197.5 160.3 240.5

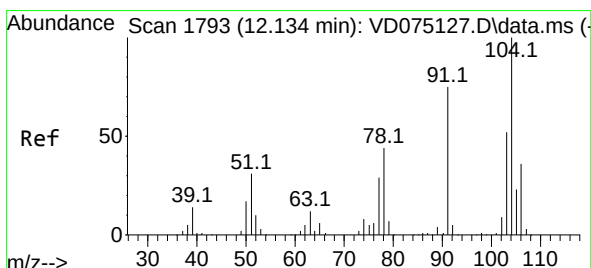
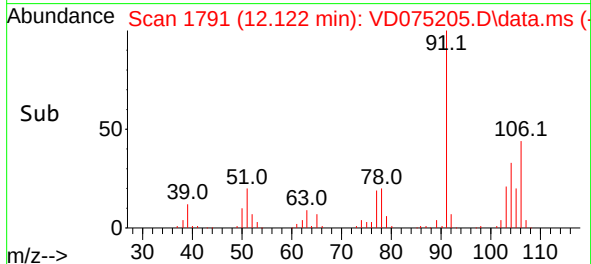
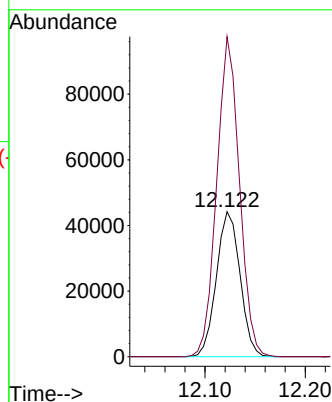
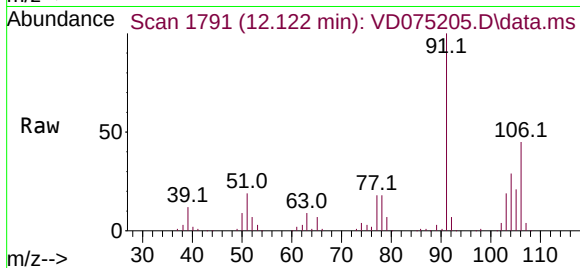




#69  
o-Xylene  
Concen: 52.035 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

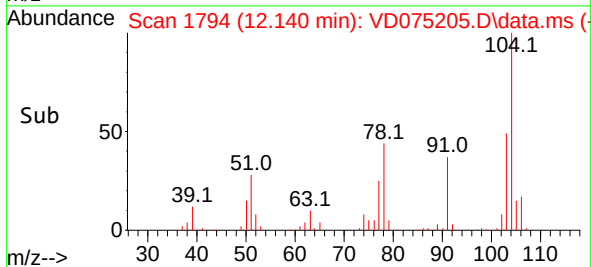
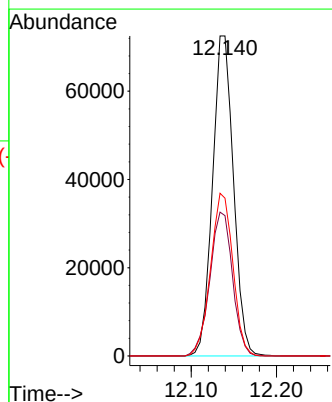
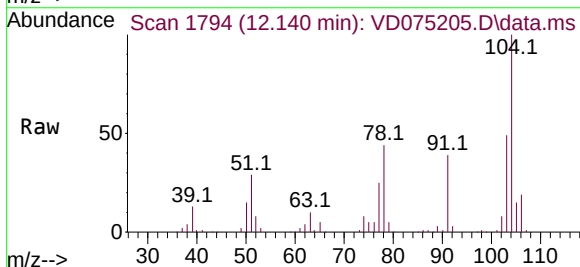
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

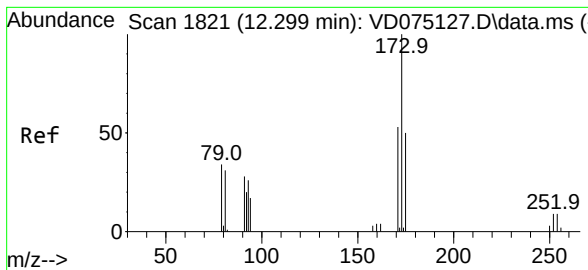
Tgt Ion:106 Resp: 72289  
Ion Ratio Lower Upper  
106 100  
91 211.9 103.6 310.9



#70  
Styrene  
Concen: 53.594 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion:104 Resp: 123770  
Ion Ratio Lower Upper  
104 100  
78 48.6 38.9 58.3  
103 54.1 43.6 65.4

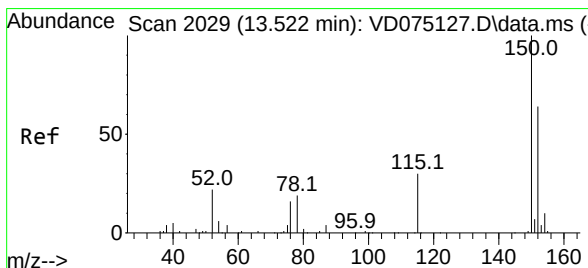
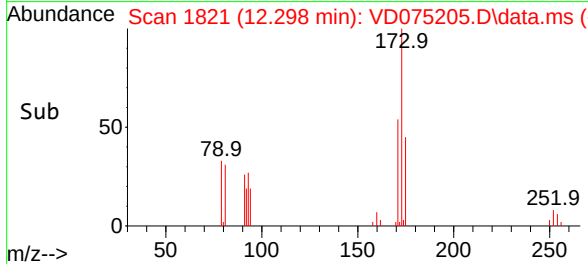
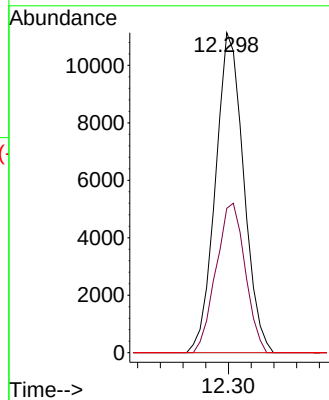
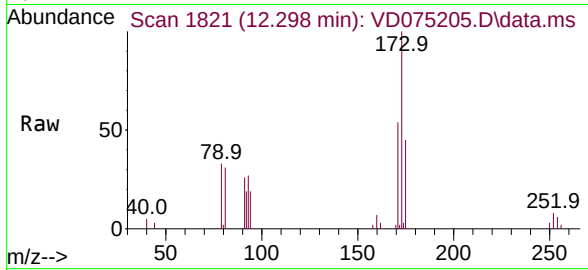




#71  
Bromoform  
Concen: 51.857 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

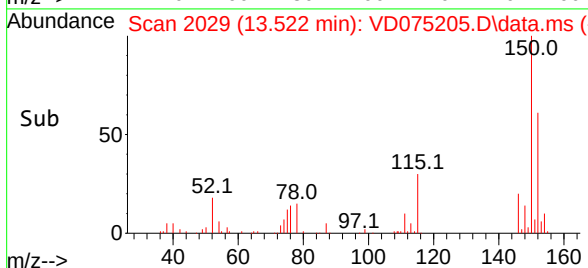
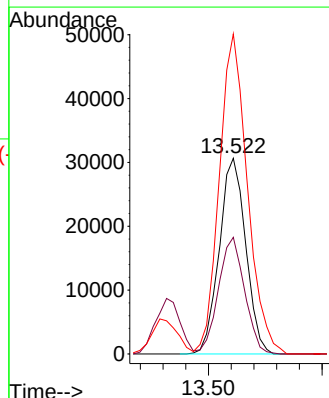
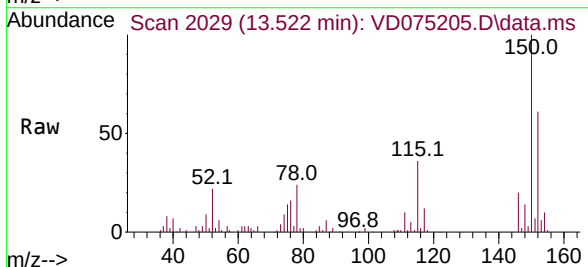
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 19183  
Ion Ratio Lower Upper  
173 100  
175 48.1 25.4 76.0  
254 0.0 0.0 0.0

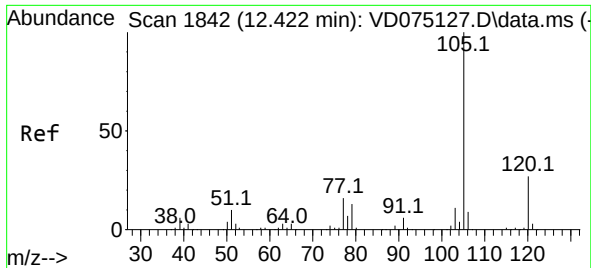


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion:152 Resp: 49545  
Ion Ratio Lower Upper  
152 100  
115 59.0 28.8 86.4  
150 173.6 0.0 348.6



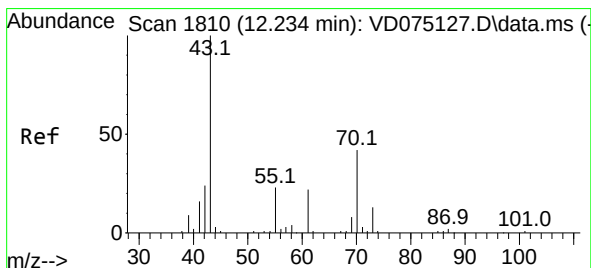
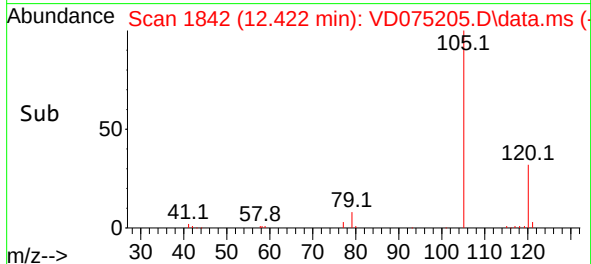
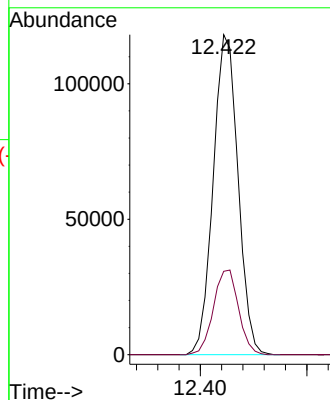
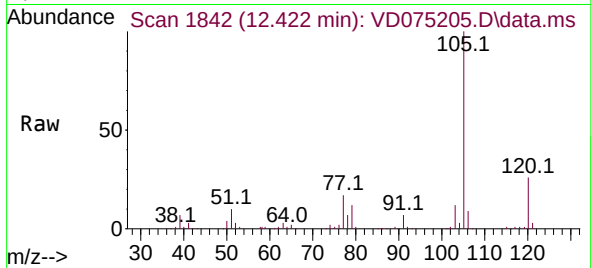




#73  
Isopropylbenzene  
Concen: 48.748 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

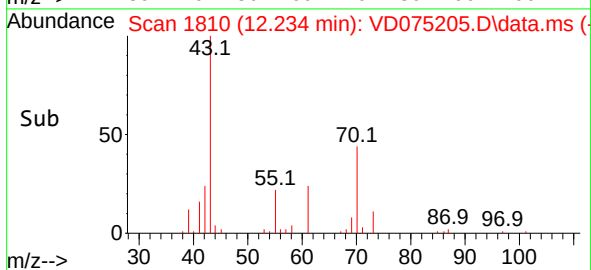
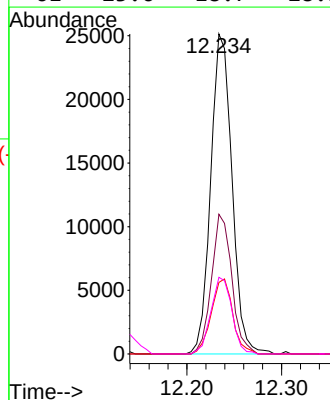
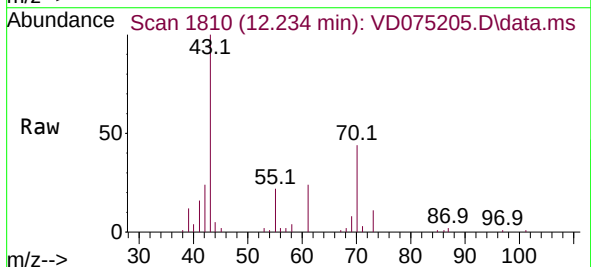
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

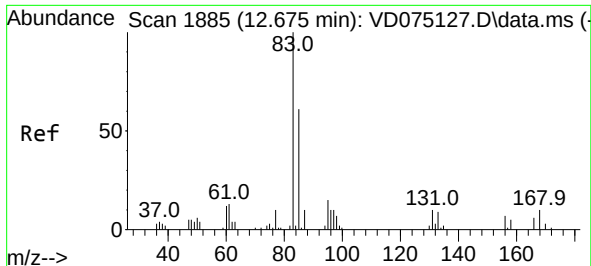
Tgt Ion:105 Resp: 190775  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.7 41.1



#74  
N-ethyl acetate  
Concen: 45.743 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 43 Resp: 39215  
Ion Ratio Lower Upper  
43 100  
70 41.7 32.6 49.0  
55 23.6 17.8 26.8  
61 23.6 18.7 28.1

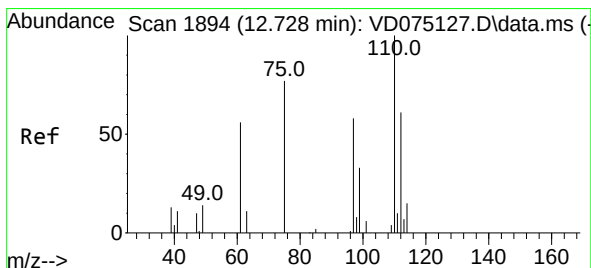
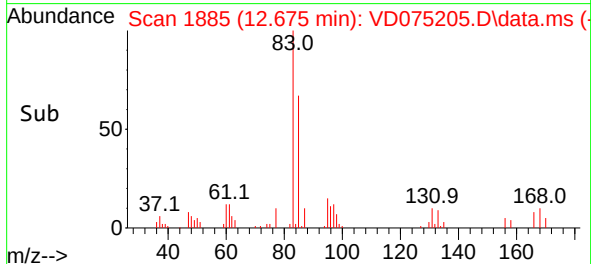
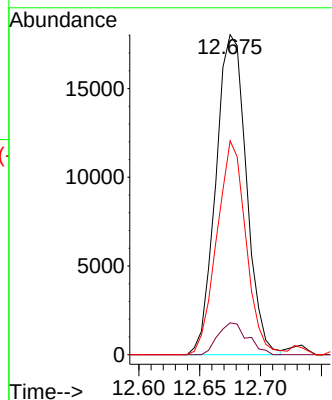
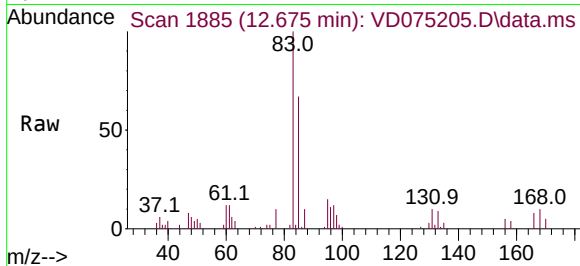




#75  
1,1,2,2-Tetrachloroethane  
Concen: 50.499 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

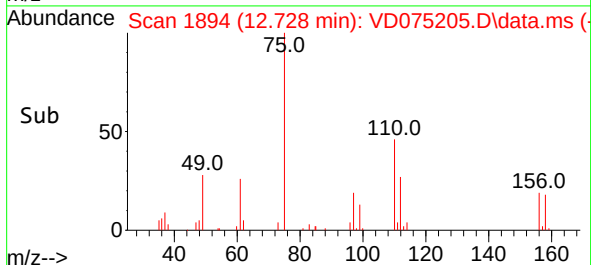
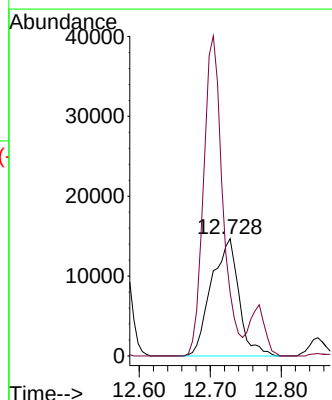
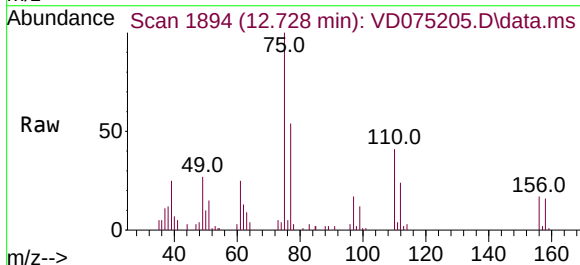
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

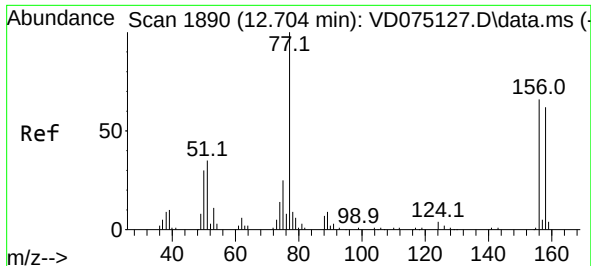
Tgt Ion: 83 Resp: 31488  
Ion Ratio Lower Upper  
83 100  
131 9.7 4.9 14.6  
85 63.8 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 94.159 ug/l  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 75 Resp: 39510  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

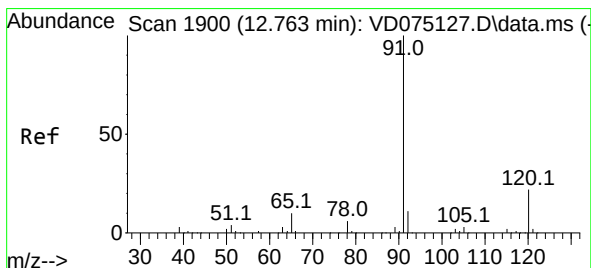
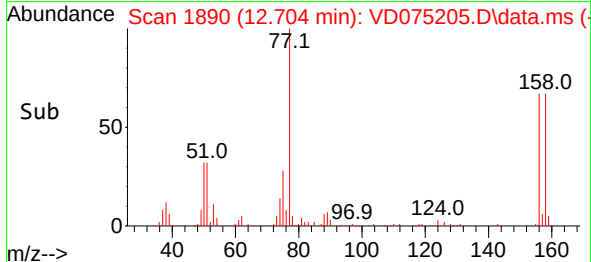
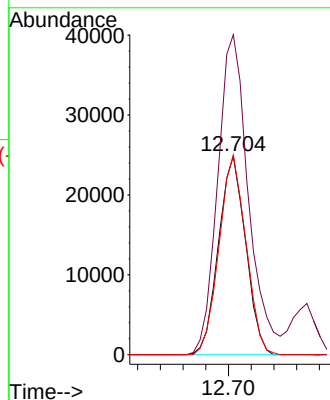
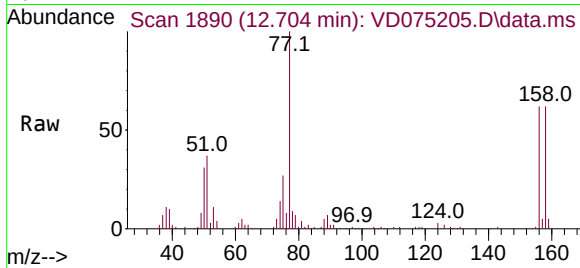




#77  
Bromobenzene  
Concen: 46.081 ug/l  
RT: 12.704 min Scan# 1890  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

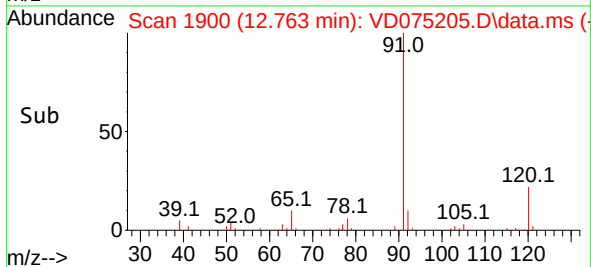
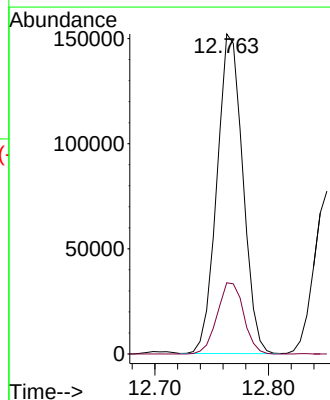
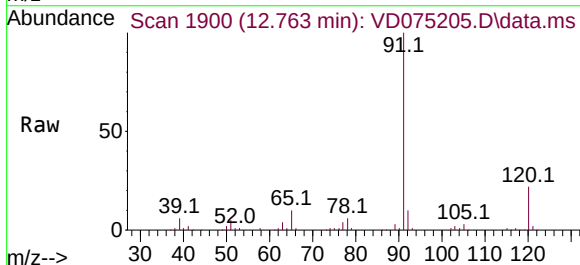
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

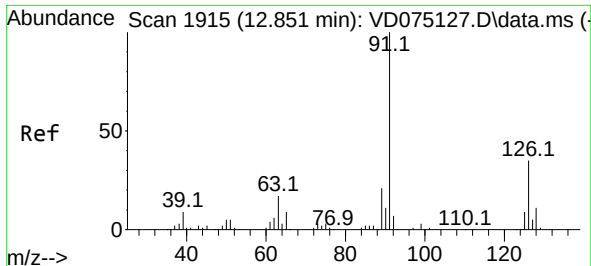
Tgt Ion:156 Resp: 41192  
Ion Ratio Lower Upper  
156 100  
77 182.4 85.6 256.8  
158 99.8 47.3 141.9



#78  
n-propylbenzene  
Concen: 50.012 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 91 Resp: 240510  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.7 35.0

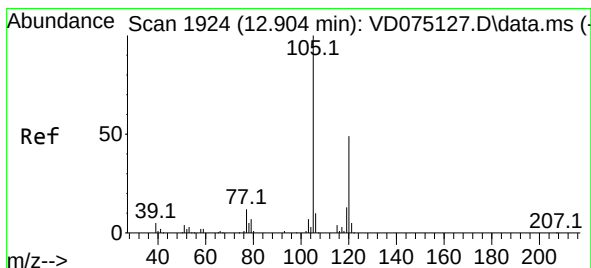
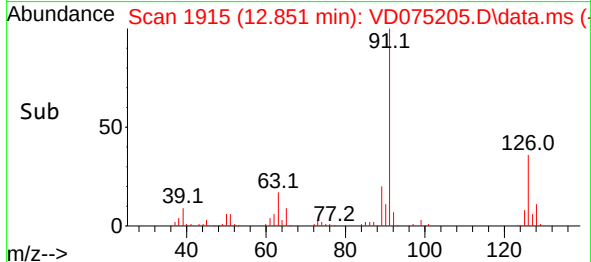
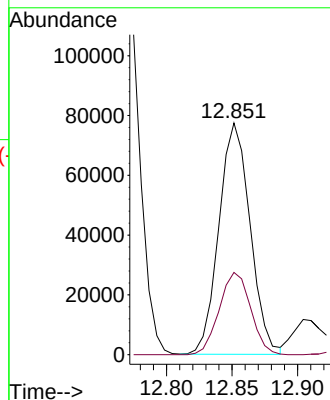
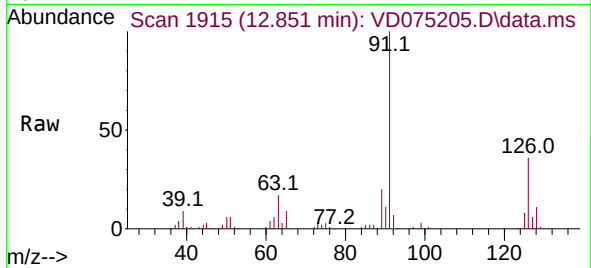




#79  
2-Chlorotoluene  
Concen: 48.515 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

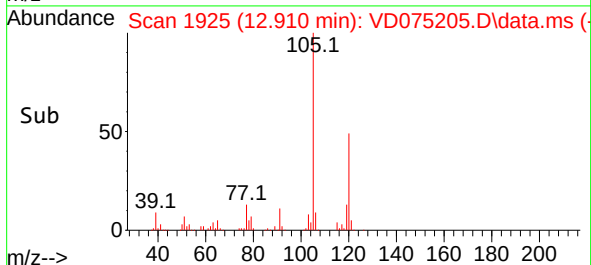
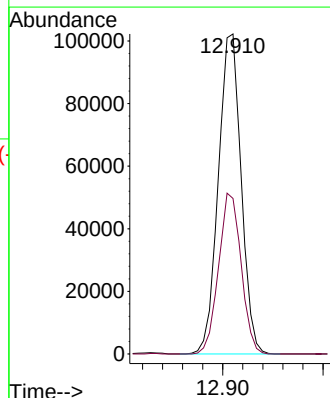
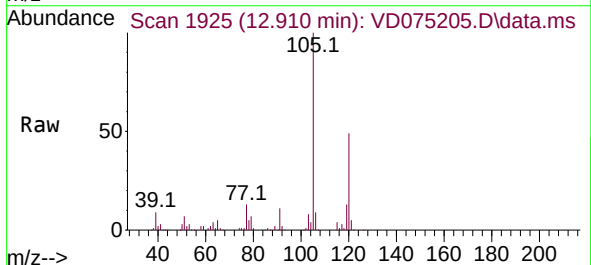
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

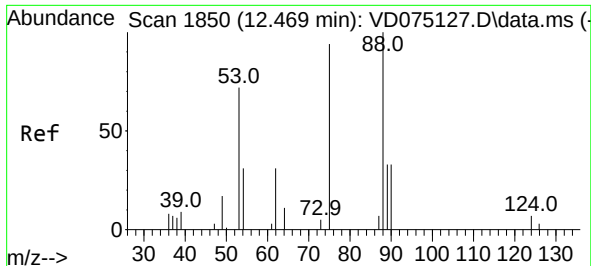
Tgt Ion: 91 Resp: 128320  
Ion Ratio Lower Upper  
91 100  
126 35.7 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 50.265 ug/l  
RT: 12.910 min Scan# 1925  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 105 Resp: 161165  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.6 73.8

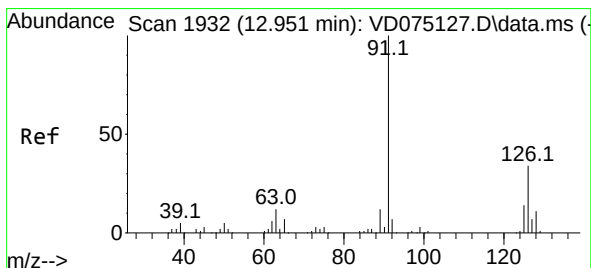
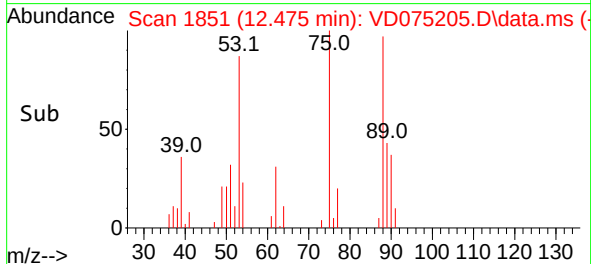
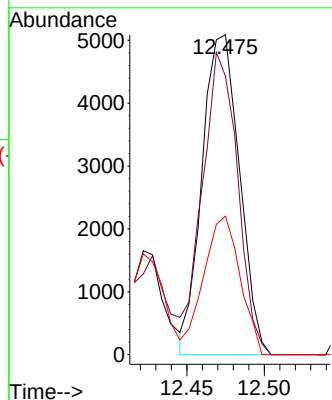
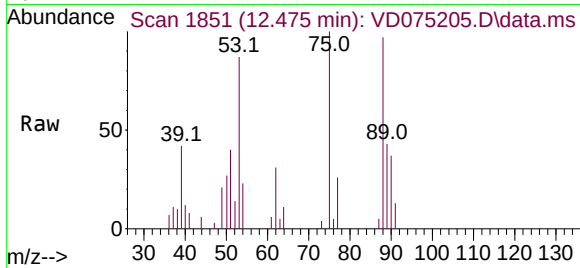




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.115 ug/l  
RT: 12.475 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

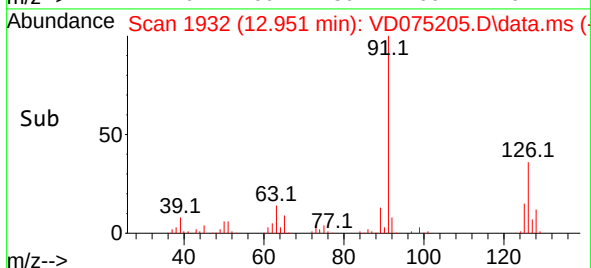
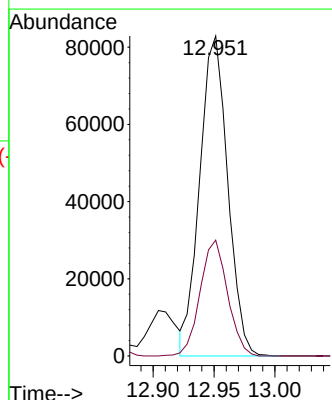
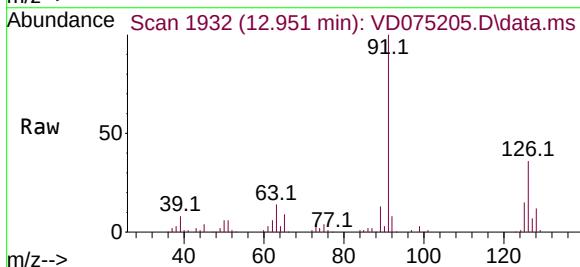
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

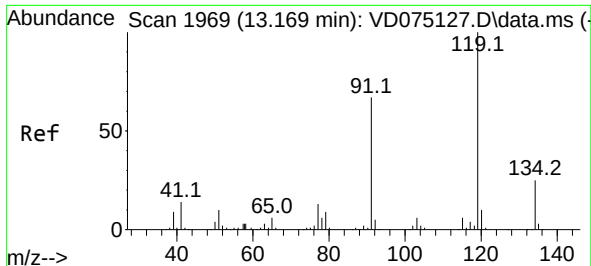
Tgt Ion: 75 Resp: 8523  
Ion Ratio Lower Upper  
75 100  
53 88.9 70.5 105.7  
89 42.4 34.6 52.0



#82  
4-Chlorotoluene  
Concen: 48.756 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 91 Resp: 132587  
Ion Ratio Lower Upper  
91 100  
126 35.5 17.3 52.0





#83

tert-Butylbenzene

Concen: 49.206 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

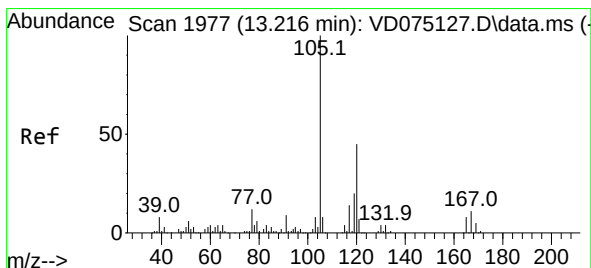
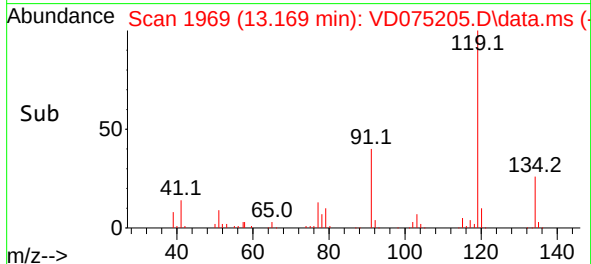
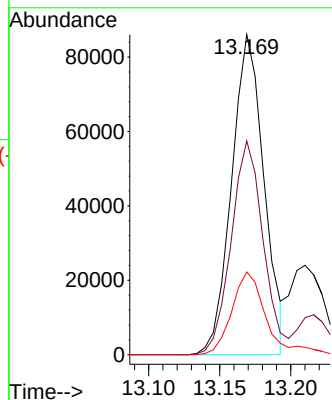
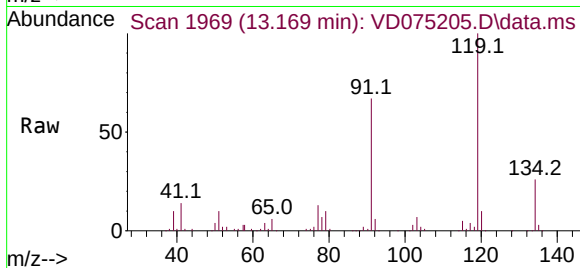
Tgt Ion:119 Resp: 136511

Ion Ratio Lower Upper

119 100

91 66.3 32.9 98.6

134 27.4 13.3 39.8



#84

1,2,4-Trimethylbenzene

Concen: 50.181 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075205.D

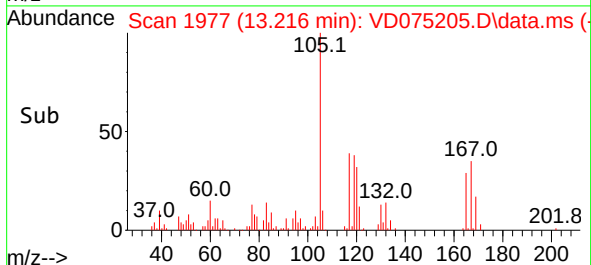
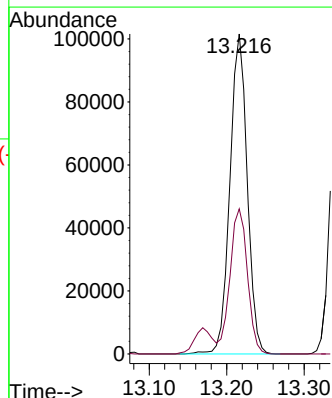
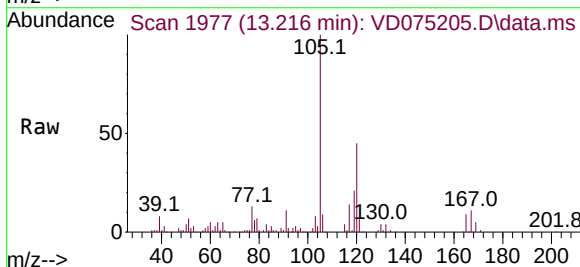
Acq: 25 Jan 2023 17:54

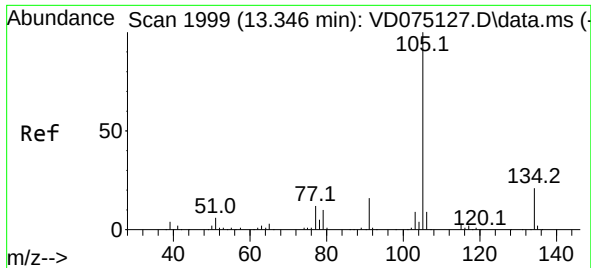
Tgt Ion:105 Resp: 158014

Ion Ratio Lower Upper

105 100

120 45.7 23.2 69.5

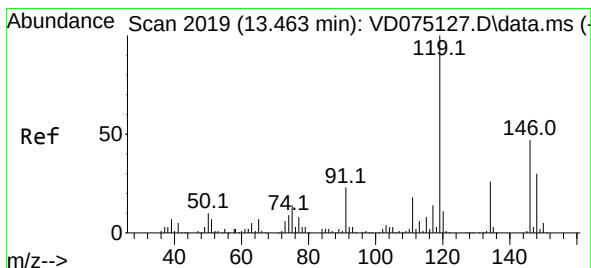
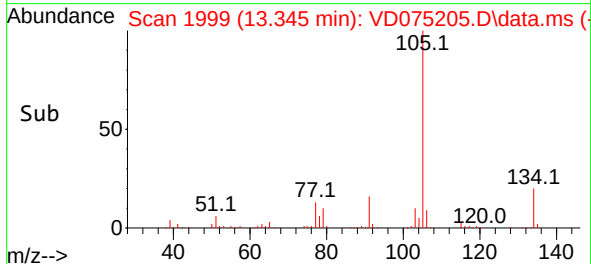
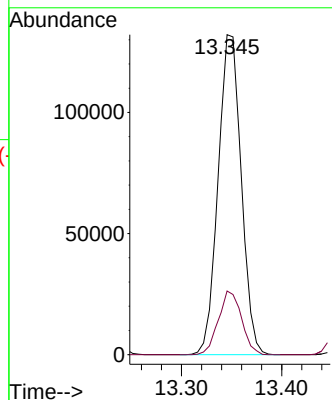
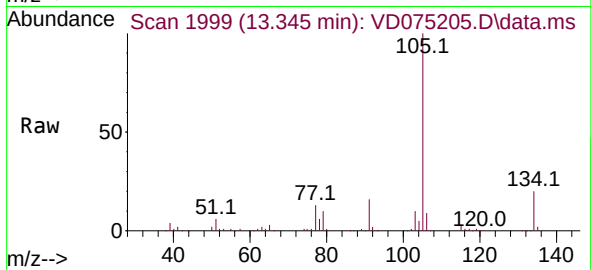




#85  
 sec-Butylbenzene  
 Concen: 50.132 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. -0.000 min  
 Lab File: VD075205.D  
 Acq: 25 Jan 2023 17:54

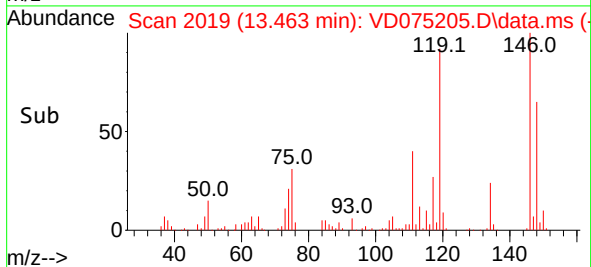
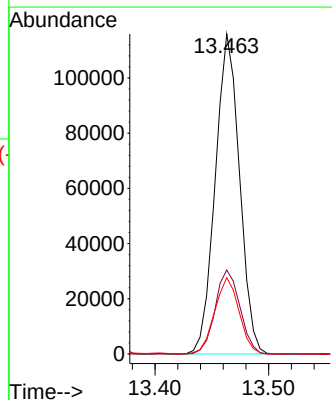
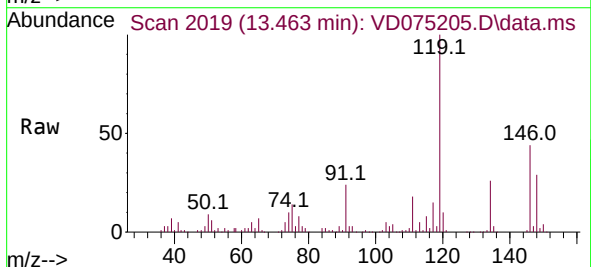
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

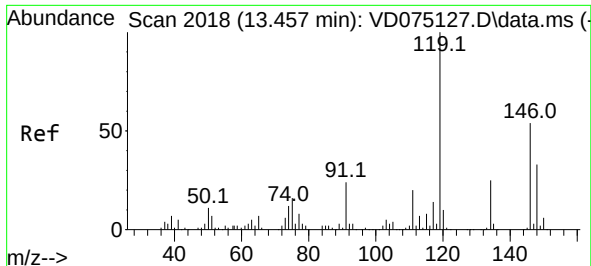
Tgt Ion:105 Resp: 211278  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 10.4 31.2



#86  
 p-Isopropyltoluene  
 Concen: 49.861 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VD075205.D  
 Acq: 25 Jan 2023 17:54

Tgt Ion:119 Resp: 172038  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.3 39.8  
 91 23.9 11.9 35.5

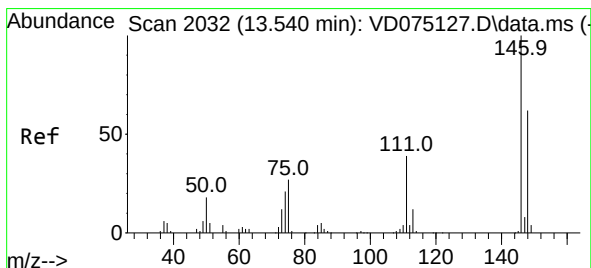
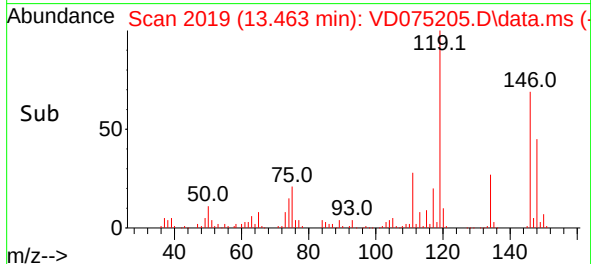
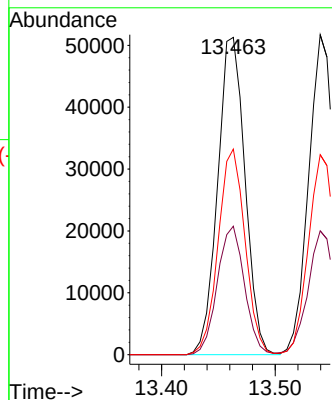
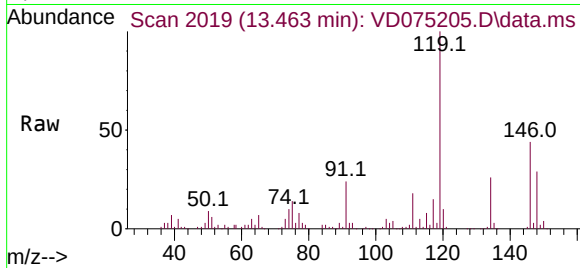




#87  
1,3-Dichlorobenzene  
Concen: 49.648 ug/l  
RT: 13.463 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

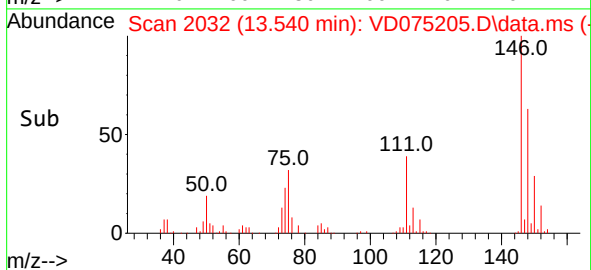
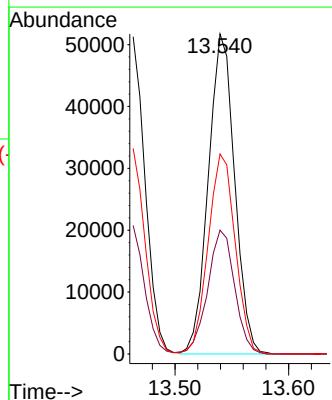
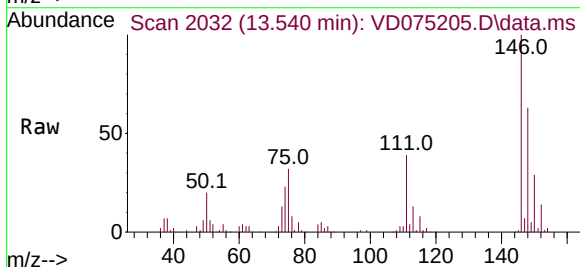
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 86027  
Ion Ratio Lower Upper  
146 100  
111 40.0 18.9 56.9  
148 63.6 31.1 93.3

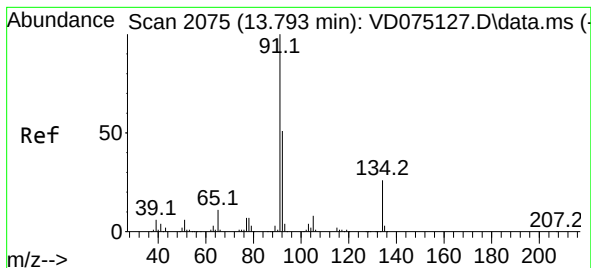


#88  
1,4-Dichlorobenzene  
Concen: 48.900 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion:146 Resp: 83365  
Ion Ratio Lower Upper  
146 100  
111 39.6 19.7 59.1  
148 64.3 31.9 95.5







#89

n-Butylbenzene

Concen: 50.028 ug/l

RT: 13.793 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

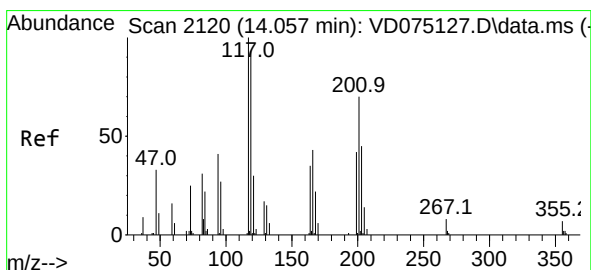
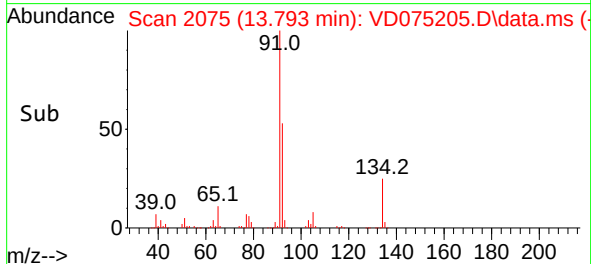
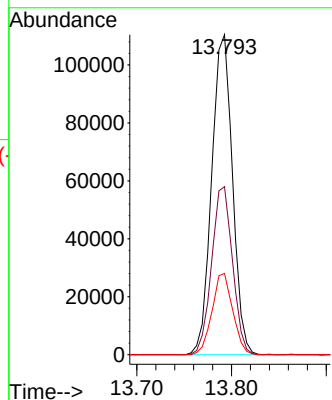
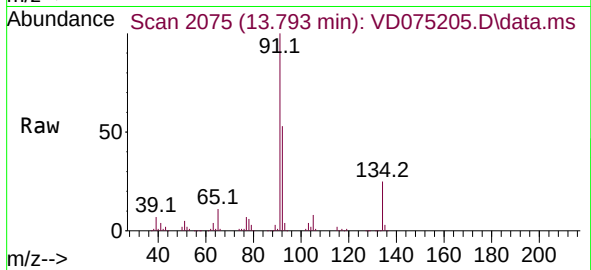
Tgt Ion: 91 Resp: 168205

Ion Ratio Lower Upper

91 100

92 52.8 26.8 80.3

134 25.3 13.3 39.8



#90

Hexachloroethane

Concen: 49.759 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. -0.000 min

Lab File: VD075205.D

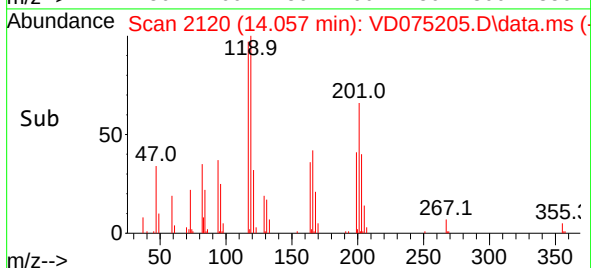
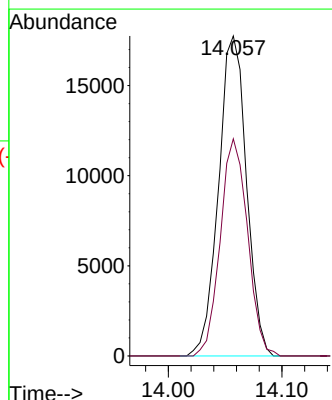
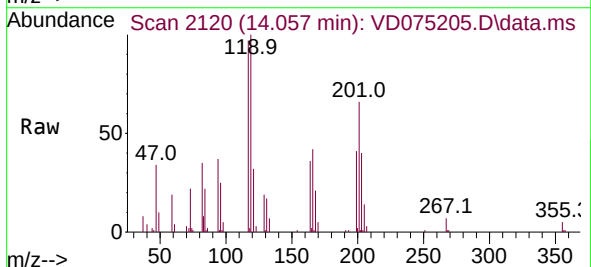
Acq: 25 Jan 2023 17:54

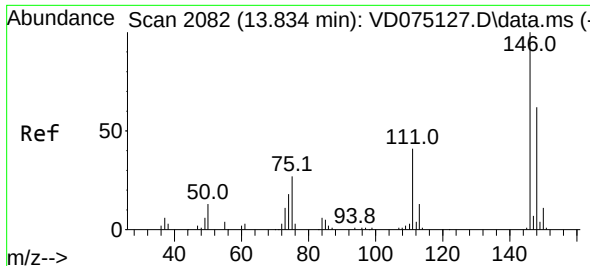
Tgt Ion: 117 Resp: 30318

Ion Ratio Lower Upper

117 100

201 66.3 35.1 105.5

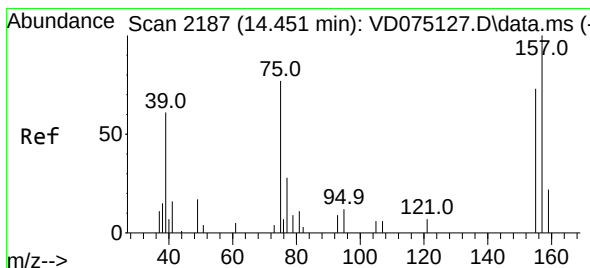
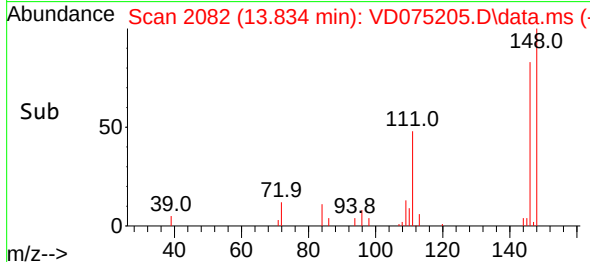
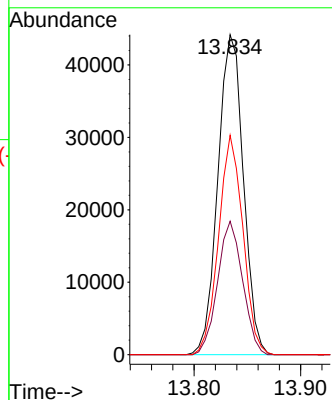
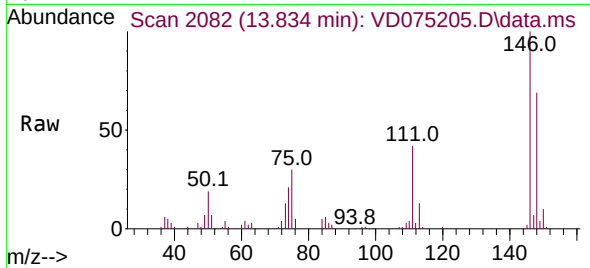




#91  
1,2-Dichlorobenzene  
Concen: 49.528 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

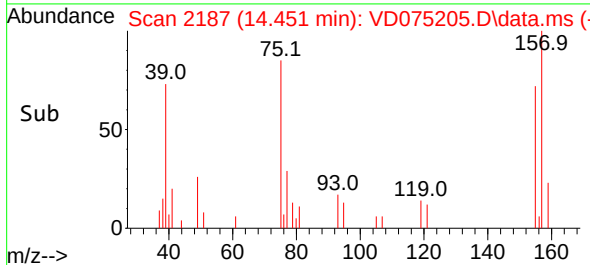
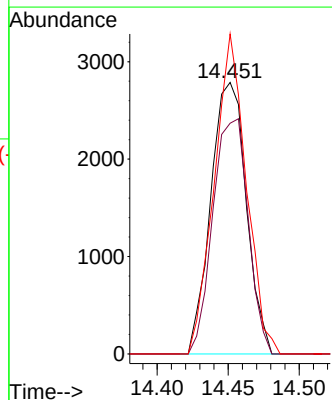
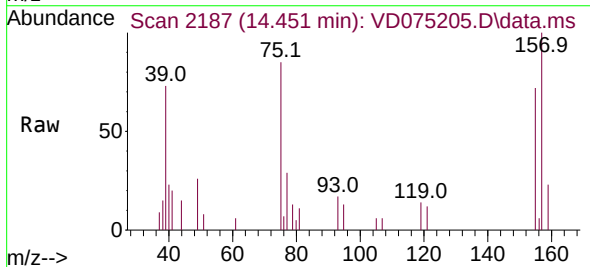
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

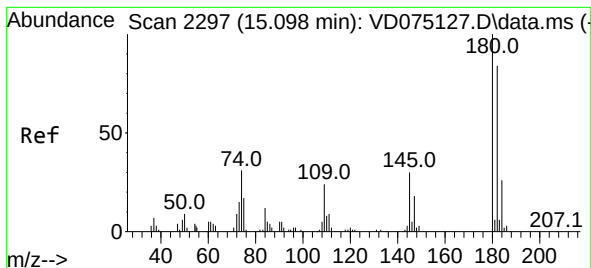
Tgt Ion:146 Resp: 73423  
Ion Ratio Lower Upper  
146 100  
111 40.9 20.4 61.2  
148 65.4 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 50.893 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. -0.000 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Tgt Ion: 75 Resp: 4852  
Ion Ratio Lower Upper  
75 100  
155 86.0 43.4 130.2  
157 106.0 56.4 169.2





#93

1,2,4-Trichlorobenzene

Concen: 46.001 ug/l

RT: 15.104 min Scan# 2297

Delta R.T. 0.006 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

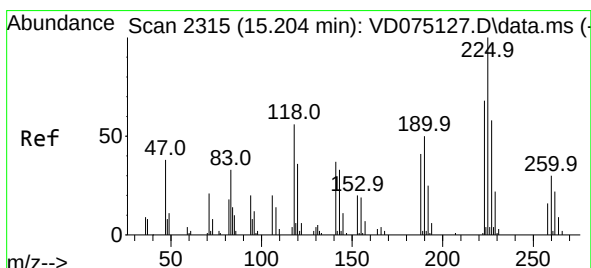
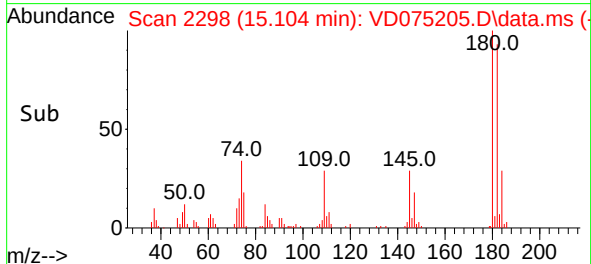
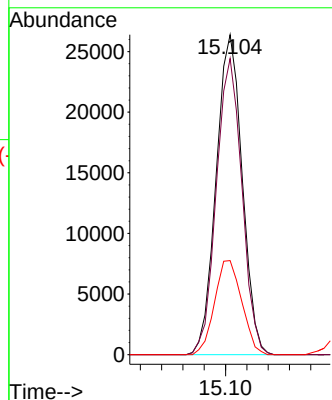
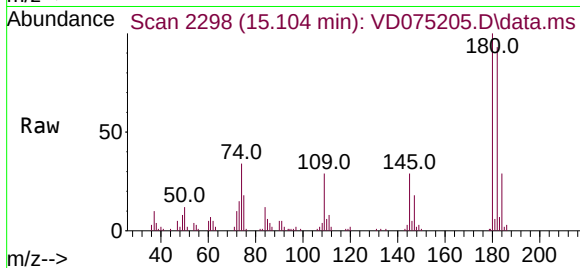
Tgt Ion:180 Resp: 44780

Ion Ratio Lower Upper

180 100

182 90.8 46.2 138.6

145 30.7 15.8 47.4



#94

Hexachlorobutadiene

Concen: 46.615 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD075205.D

Acq: 25 Jan 2023 17:54

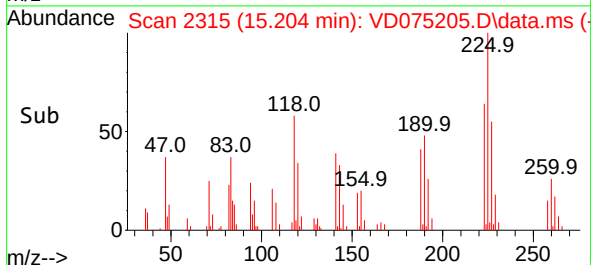
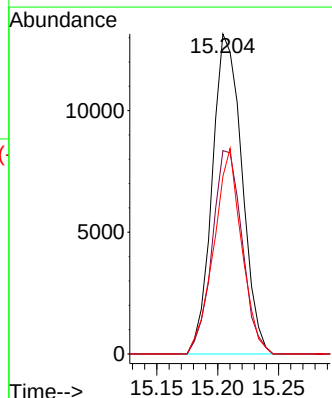
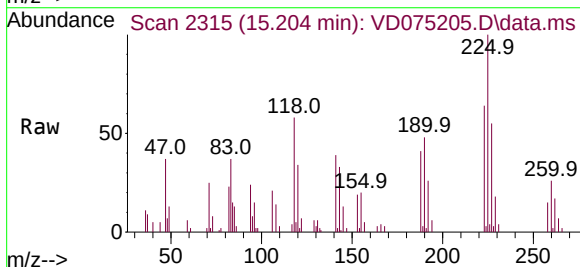
Tgt Ion:225 Resp: 22239

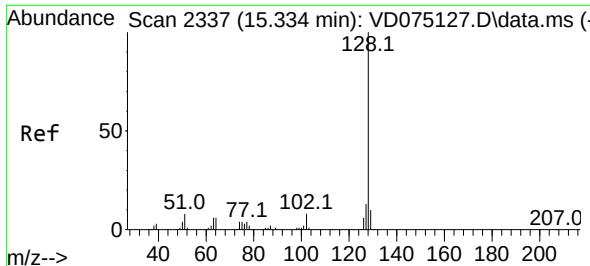
Ion Ratio Lower Upper

225 100

223 64.1 31.8 95.4

227 60.3 30.7 92.1

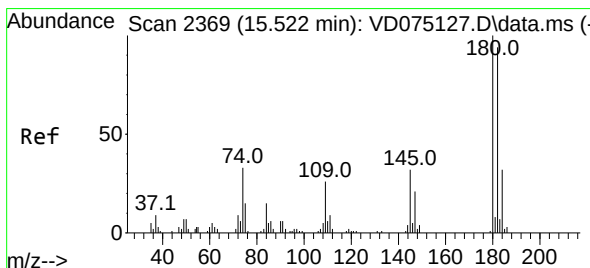
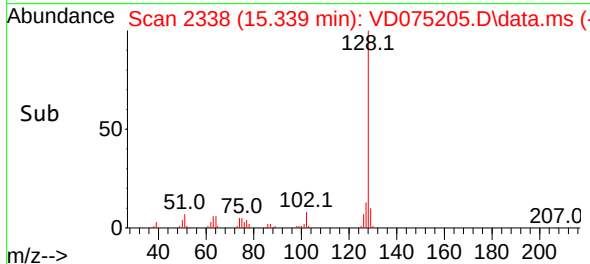
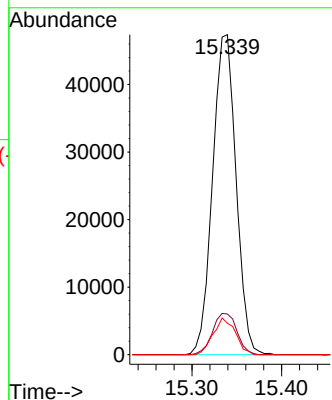
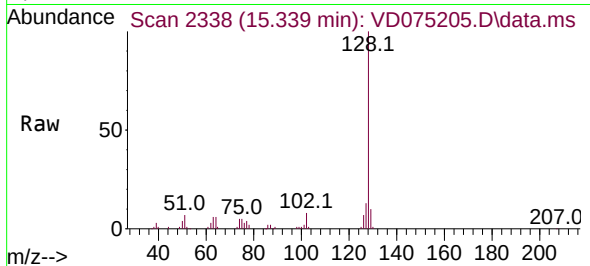




#95  
Naphthalene  
Concen: 44.384 ug/l  
RT: 15.339 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 86011     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.4  | 10.6 15.8 |
| 129         | 10.8  | 8.7 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 46.308 ug/l  
RT: 15.528 min Scan# 2370  
Delta R.T. 0.006 min  
Lab File: VD075205.D  
Acq: 25 Jan 2023 17:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 38465      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.2  | 47.0 141.0 |
| 145         | 32.3  | 16.1 48.3  |

