

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032322\  
 Data File : VD072392.D  
 Acq On : 23 Mar 2022 19:05  
 Operator : VA/SY  
 Sample : N2077-05  
 Misc : 4.22G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 24 00:54:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 327125     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 553092     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 574067     | 50.000    | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.567         | 152  | 355631     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 160522     | 44.031    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 88.060%   |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 165190     | 42.442    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 84.880%   |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 984878     | 69.203    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 138.400%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 750355     | 135.693   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 271.380%# |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 10) Methyl Iodide             | 4.309          | 142  | 344        | 2.325     | ug/l # | 38       |
| 11) Tert butyl alcohol        | 5.220          | 59   | 514        | 2.432     | ug/l # | 74       |
| 13) Acrolein                  | 4.144          | 56   | 24053      | 127.523   | ug/l # | 62       |
| 14) Allyl chloride            | 4.950          | 41   | 204000     | 38.808    | ug/l # | 59       |
| 15) Acrylonitrile             | 5.491          | 53   | 29751      | 36.425    | ug/l # | 40       |
| 16) Acetone                   | 4.156          | 43   | 126121     | 159.337   | ug/l # | 83       |
| 17) Carbon Disulfide          | 4.409          | 76   | 14433      | 3.497     | ug/l   | 99       |
| 18) Methyl Acetate            | 4.950          | 43   | 455985     | 235.074   | ug/l # | 55       |
| 25) 2-Butanone                | 7.209          | 43   | 92702      | 87.838    | ug/l # | 70       |
| 29) Tetrahydrofuran           | 7.561          | 42   | 1145       | 1.845     | ug/l # | 38       |
| 31) Cyclohexane               | 7.985          | 56   | 66447      | 11.666    | ug/l # | 86       |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 27140      | 4.971     | ug/l # | 57       |
| 37) Ethyl Acetate             | 7.209          | 43   | 92702      | 38.758    | ug/l # | 74       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 34052      | 5.486     | ug/l # | 16       |
| 39) Methylcyclohexane         | 9.320          | 83   | 1378645    | 224.377   | ug/l # | 28       |
| 40) Benzene                   | 8.350          | 78   | 107506     | 6.901     | ug/l   | 97       |
| 41) Methacrylonitrile         | 7.738          | 41   | 87729      | 62.930    | ug/l # | 64       |
| 43) Isopropyl Acetate         | 8.450          | 43   | 814340     | 175.416   | ug/l # | 54       |
| 45) 1,2-Dichloropropane       | 9.403          | 63   | 4715       | 1.104     | ug/l # | 1        |
| 47) Bromodichloromethane      | 9.626          | 83   | 202079     | 32.986    | ug/l # | 45       |
| 48) Methyl methacrylate       | 9.485          | 41   | 64341      | 29.026    | ug/l # | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.226         | 43   | 88013      | 36.097    | ug/l # | 39       |
| 52) Toluene                   | 10.403         | 92   | 35287      | 3.443     | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.773         | 97   | 2677825    | 836.490   | ug/l # | 21       |
| 56) Ethyl methacrylate        | 10.679         | 69   | 1339042    | 357.115   | ug/l # | 19       |
| 58) 2-Chloroethyl Vinyl ether | 9.961          | 63   | 4912       | 2.914     | ug/l # | 50       |
| 59) 2-Hexanone                | 10.950         | 43   | 962591     | 571.597   | ug/l # | 34       |
| 60) Dibromochloromethane      | 11.050         | 129  | 13232      | 3.185     | ug/l   | 73       |
| 61) 1,2-Dibromoethane         | 11.250         | 107  | 6169       | 2.133     | ug/l # | 3        |
| 65) Chlorobenzene             | 11.567         | 112  | 33995      | 2.671     | ug/l # | 42       |
| 67) Ethyl Benzene             | 11.744         | 91   | 23031      | 1.013     | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.844         | 106  | 44193      | 5.120     | ug/l # | 49       |
| 69) o-Xylene                  | 12.173         | 106  | 16684      | 2.021     | ug/l # | 1        |
| 73) Isopropylbenzene          | 12.473         | 105  | 147634     | 5.239     | ug/l   | 97       |
| 74) N-amyl acetate            | 12.261         | 43   | 2228333    | 367.935   | ug/l # | 45       |
| 75) 1,1,2,2-Tetrachloroethane | 12.702         | 83   | 526131     | 104.385   | ug/l # | 87       |

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 Operator : VA/SY  
 Sample : N2077-05  
 Misc : 4.22G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 24 00:54:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

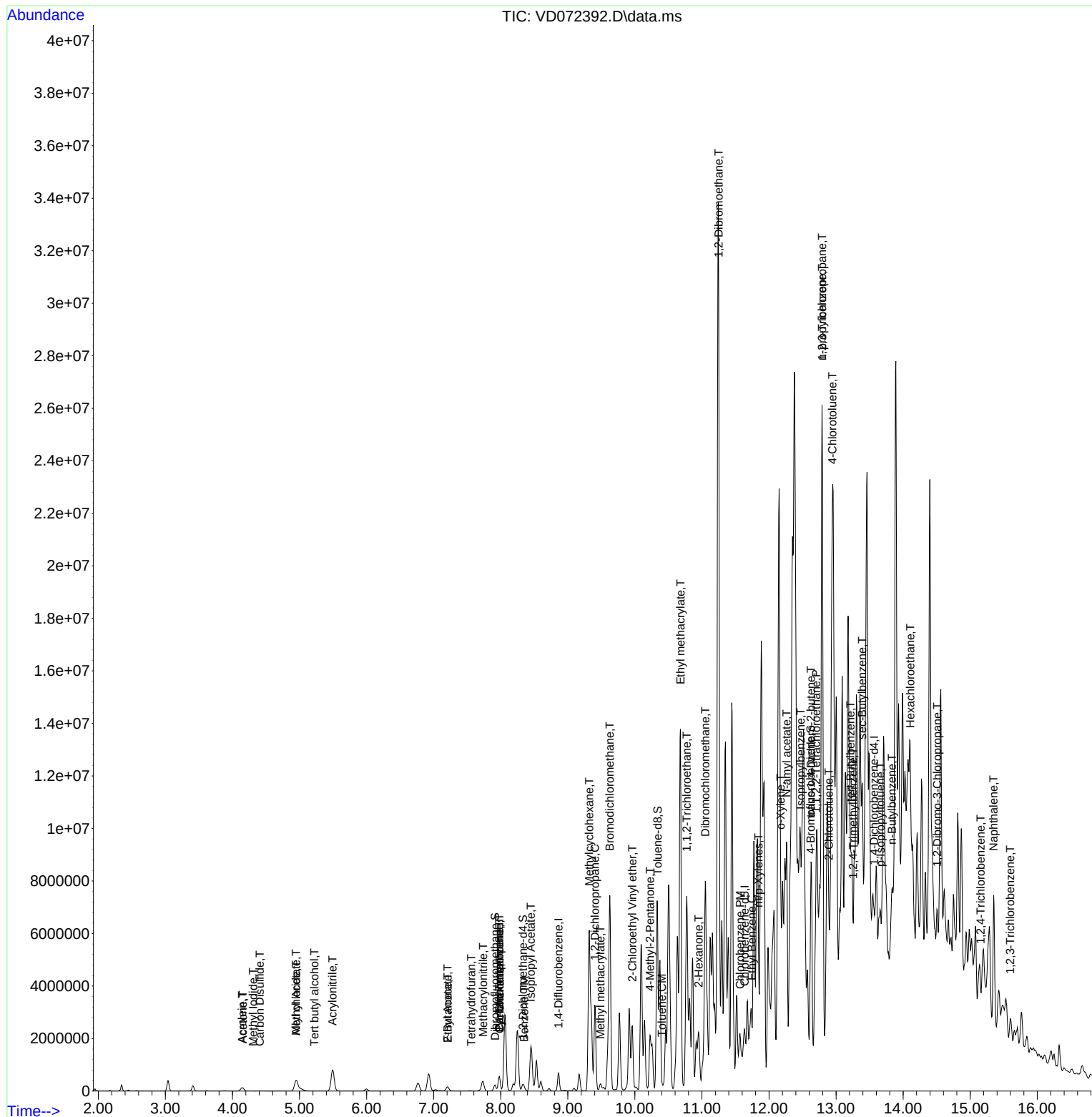
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |  |
|-------------------------------|--------|------|----------|--------|--------|----------|--|
| -----                         |        |      |          |        |        |          |  |
| 76) 1,2,3-Trichloropropane    | 12.791 | 75   | 4627     | 1.179  | ug/l # | 100      |  |
| 78) n-propylbenzene           | 12.791 | 91   | 152527   | 4.456  | ug/l # | 54       |  |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 90123    | 4.553  | ug/l # | 42       |  |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 144574   | 91.438 | ug/l # | 79       |  |
| 82) 4-Chlorotoluene           | 12.944 | 91   | 146132   | 7.130  | ug/l # | 52       |  |
| 83) tert-Butylbenzene         | 13.214 | 119  | 195178   | 9.195  | ug/l   | 79       |  |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 45547    | 1.909  | ug/l   | 96       |  |
| 85) sec-Butylbenzene          | 13.391 | 105  | 723009   | 22.682 | ug/l # | 46       |  |
| 86) p-Isopropyltoluene        | 13.661 | 119  | 438194   | 16.706 | ug/l # | 83       |  |
| 89) n-Butylbenzene            | 13.832 | 91   | 264648   | 10.585 | ug/l   | 97       |  |
| 90) Hexachloroethane          | 14.108 | 117  | 141891   | 27.600 | ug/l # | 17       |  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.508 | 75   | 7431     | 9.238  | ug/l # | 7        |  |
| 93) 1,2,4-Trichlorobenzene    | 15.155 | 180  | 12224    | 1.593  | ug/l # | 12       |  |
| 95) Naphthalene               | 15.349 | 128  | 26543    | 2.007  | ug/l # | 1        |  |
| 96) 1,2,3-Trichlorobenzene    | 15.596 | 180  | 15376    | 2.315  | ug/l # | 12       |  |
| -----                         |        |      |          |        |        |          |  |

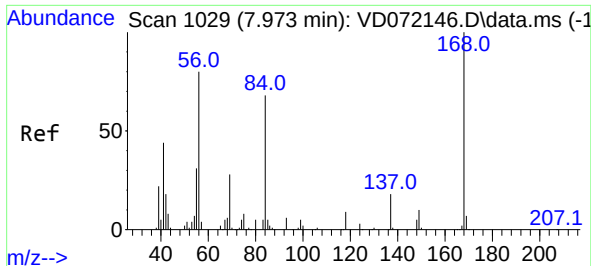
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072392\  
Data File : VD072392.D  
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Sample : N2077-05  
Misc : 4.22G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Mar 24 00:54:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

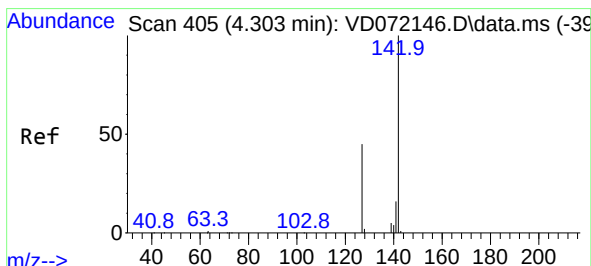
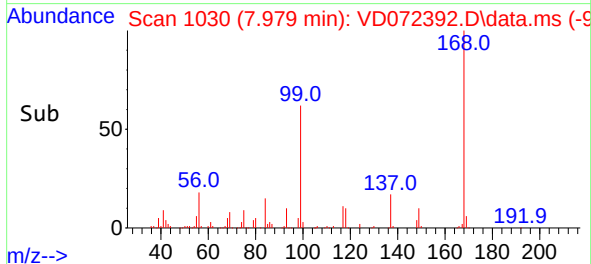
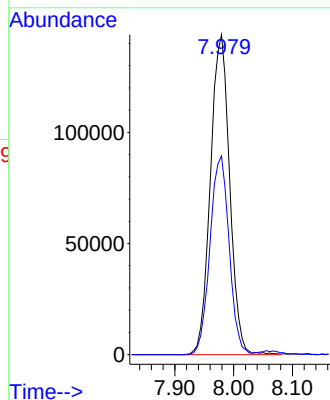
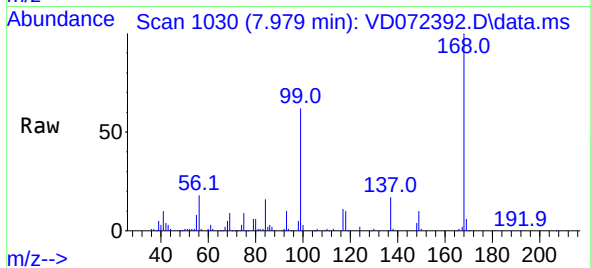




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

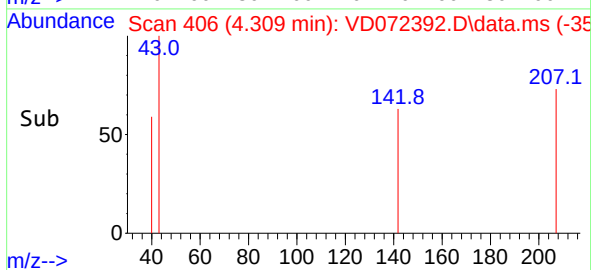
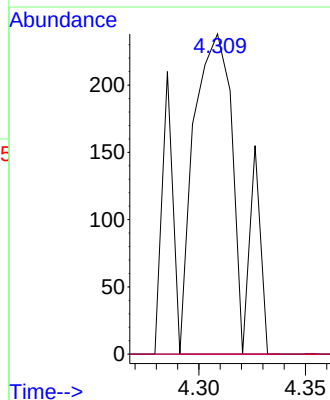
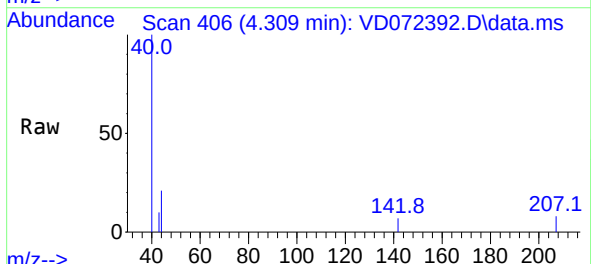
Instrument :  
MSVOA\_D  
ClientSampleId :

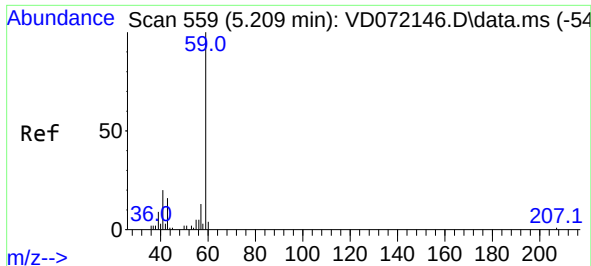
Tgt Ion:168 Resp: 327125  
Ion Ratio Lower Upper  
168 100  
99 62.1 49.8 74.6



#10  
Methyl Iodide  
Concen: 2.325 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

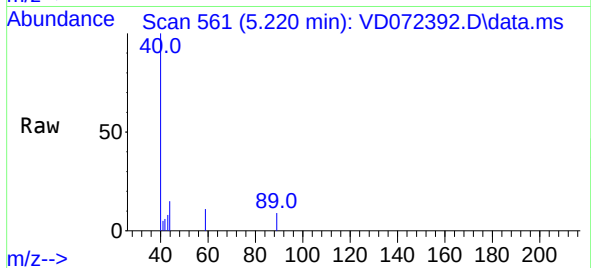
Tgt Ion:142 Resp: 344  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.3 55.9#  
141 0.0 11.7 17.5#



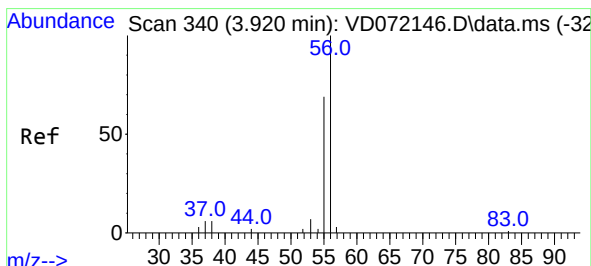
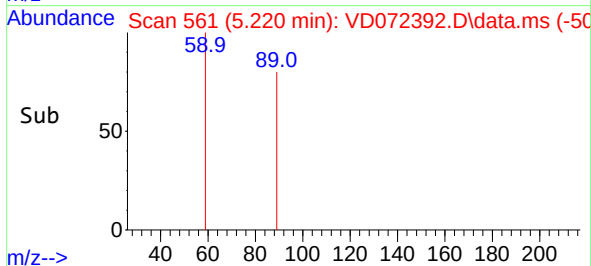
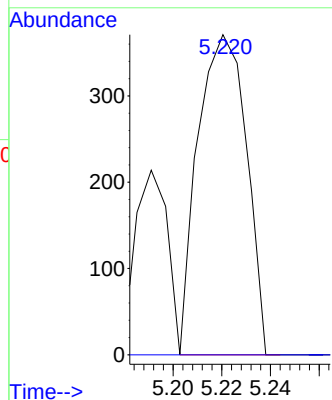


#11  
Tert butyl alcohol  
Concen: 2.432 ug/l  
RT: 5.220 min Scan# 514  
Delta R.T. 0.012 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :

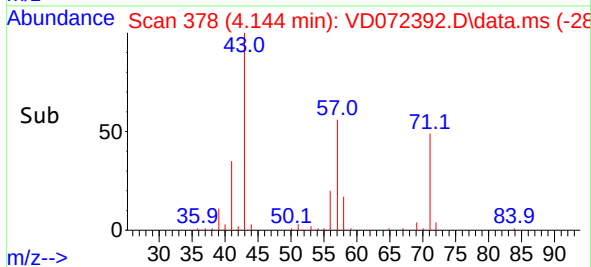
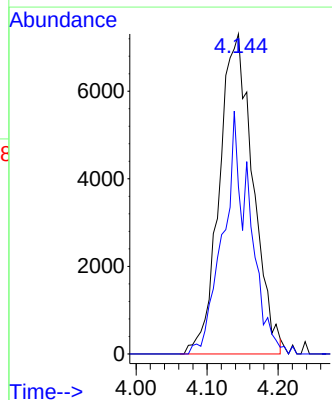
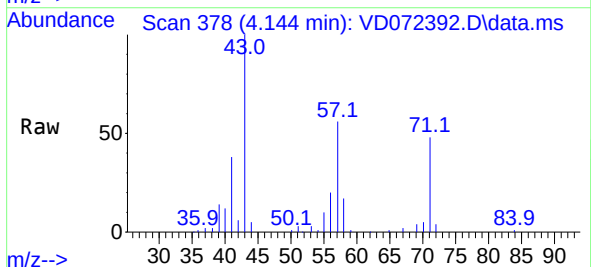


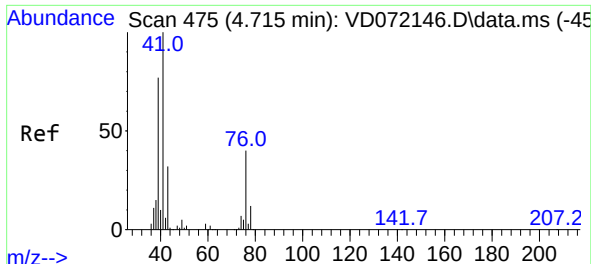
Tgt Ion: 59 Resp: 514  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#13  
Acrolein  
Concen: 127.523 ug/l  
RT: 4.144 min Scan# 378  
Delta R.T. 0.224 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

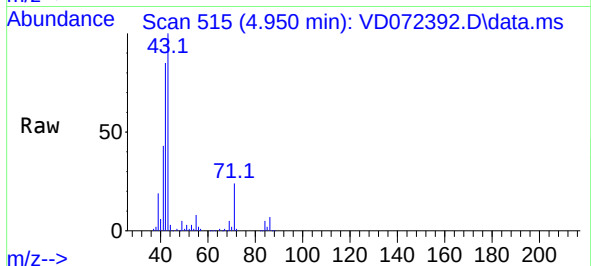
Tgt Ion: 56 Resp: 24053  
Ion Ratio Lower Upper  
56 100  
55 39.7 57.1 85.7#



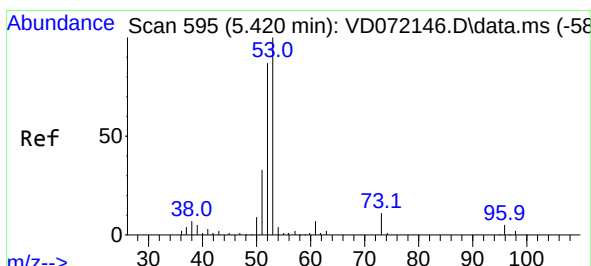
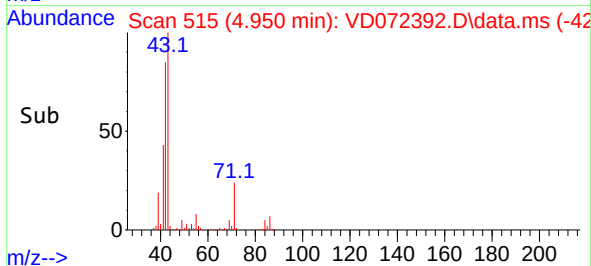
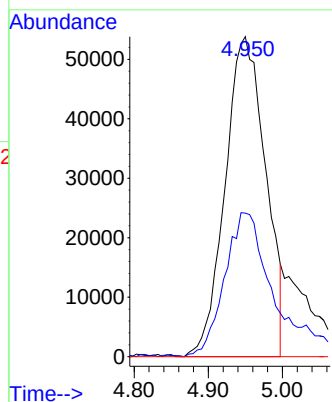


#14  
 Allyl chloride  
 Concen: 38.808 ug/l  
 RT: 4.950 min Scan# 51  
 Delta R.T. 0.235 min  
 Lab File: VD072392.D  
 Acq: 23 Mar 2022 19:05

Instrument :  
 MSVOA\_D  
 ClientSampleId :

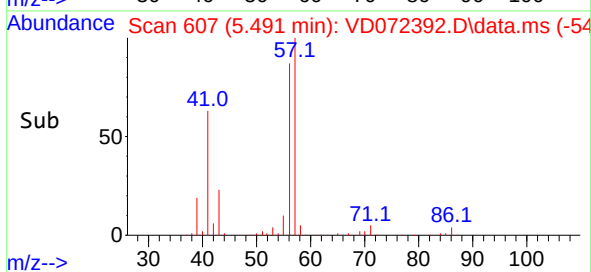
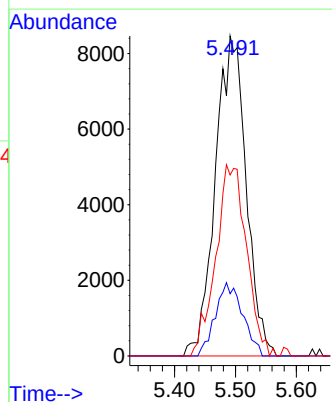
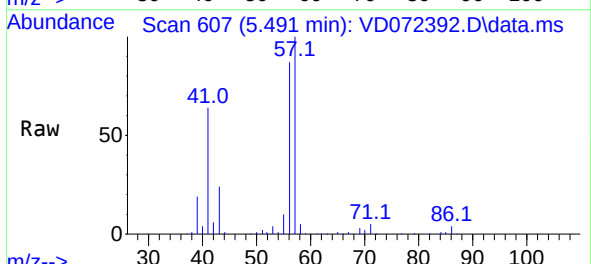


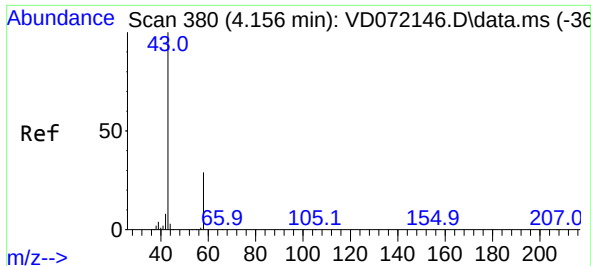
Tgt Ion: 41 Resp: 204000  
 Ion Ratio Lower Upper  
 41 100  
 39 45.5 59.3 88.9#  
 76 0.0 25.7 38.5#



#15  
 Acrylonitrile  
 Concen: 36.425 ug/l  
 RT: 5.491 min Scan# 607  
 Delta R.T. 0.071 min  
 Lab File: VD072392.D  
 Acq: 23 Mar 2022 19:05

Tgt Ion: 53 Resp: 29751  
 Ion Ratio Lower Upper  
 53 100  
 52 20.3 67.2 100.8#  
 51 59.6 30.3 45.5#

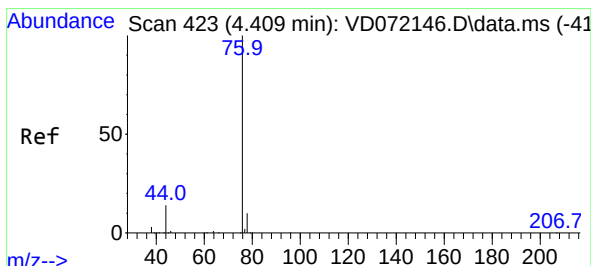
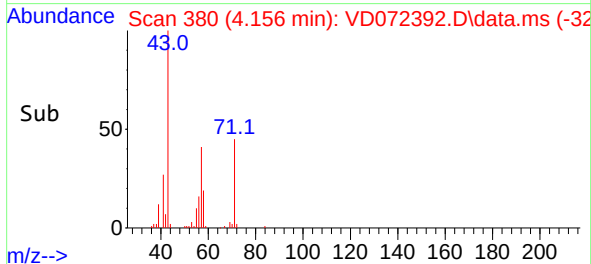
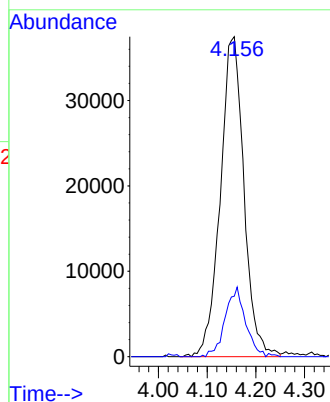
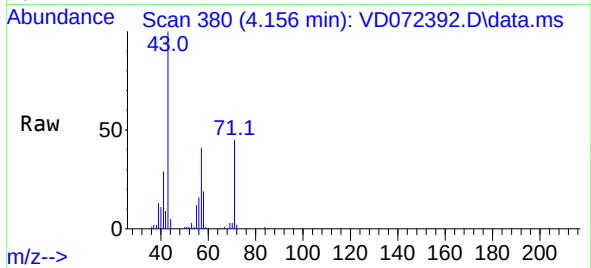




#16  
Acetone  
Concen: 159.337 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

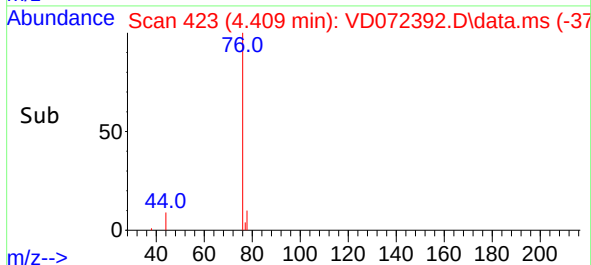
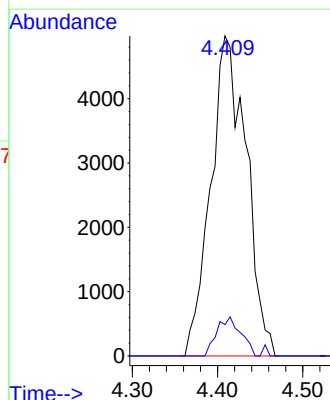
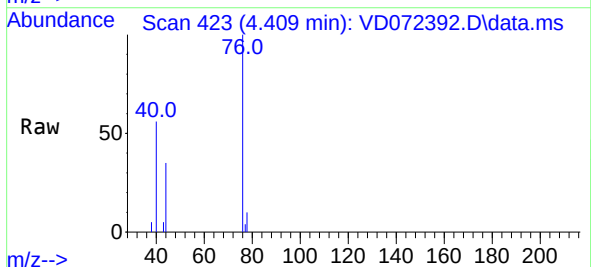
Instrument :  
MSVOA\_D  
ClientSampleId :

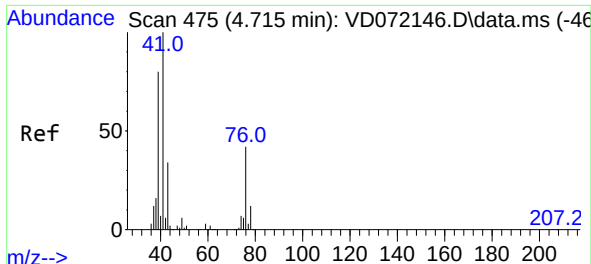
Tgt Ion: 43 Resp: 126121  
Ion Ratio Lower Upper  
43 100  
58 18.9 22.1 33.1#



#17  
Carbon Disulfide  
Concen: 3.497 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 76 Resp: 14433  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.5 11.3





#18

Methyl Acetate

Concen: 235.074 ug/l

RT: 4.950 min Scan# 515

Delta R.T. 0.235 min

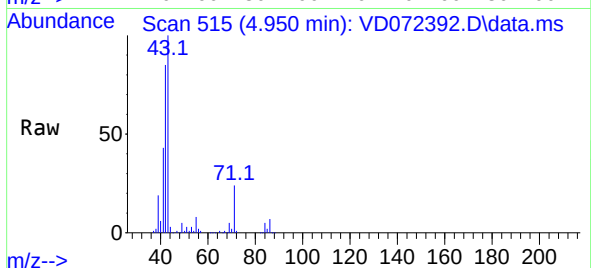
Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

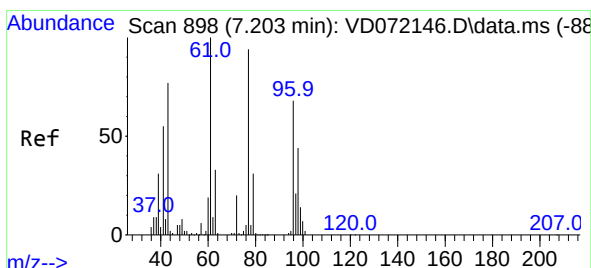
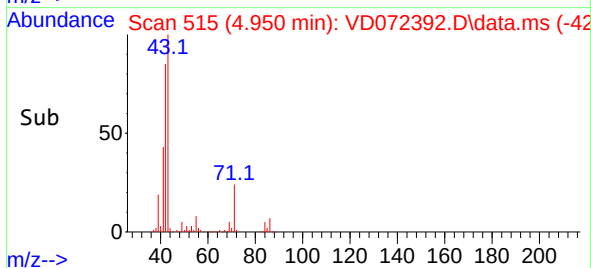
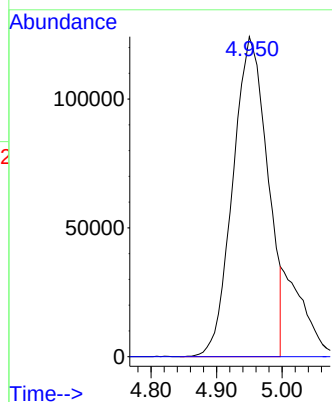


Tgt Ion: 43 Resp: 455985

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 87.838 ug/l

RT: 7.209 min Scan# 899

Delta R.T. 0.006 min

Lab File: VD072392.D

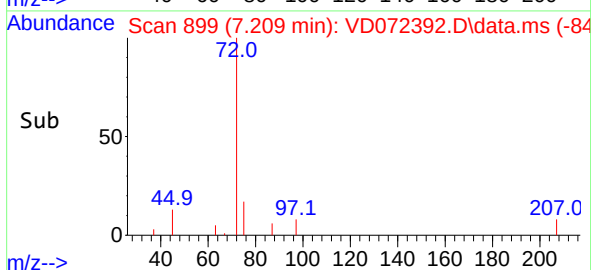
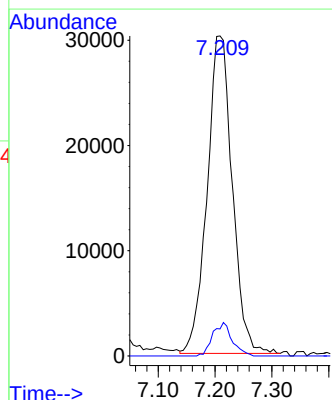
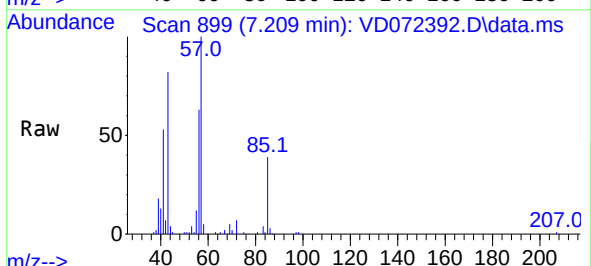
Acq: 23 Mar 2022 19:05

Tgt Ion: 43 Resp: 92702

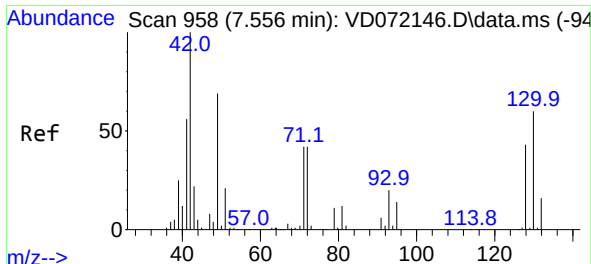
Ion Ratio Lower Upper

43 100

72 8.5 18.6 27.8#







#29

Tetrahydrofuran

Concen: 1.845 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

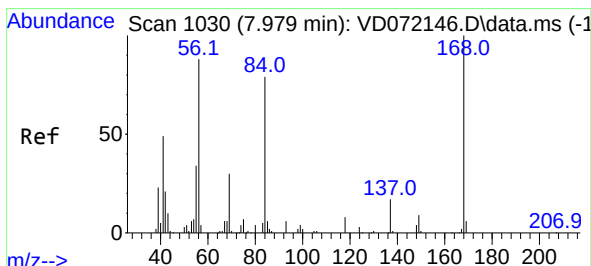
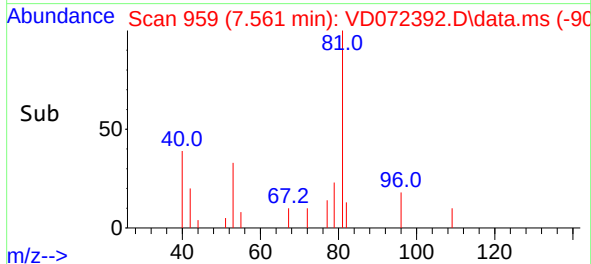
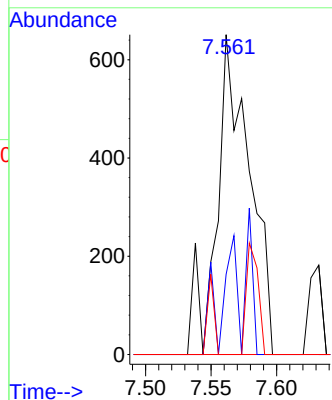
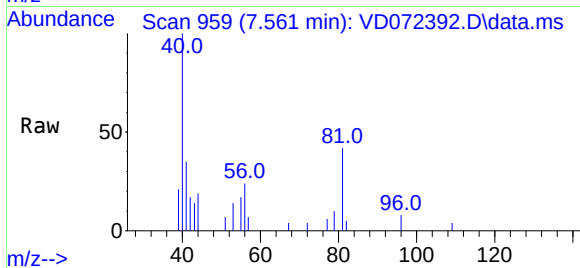
Tgt Ion: 42 Resp: 1145

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#



#31

Cyclohexane

Concen: 11.666 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

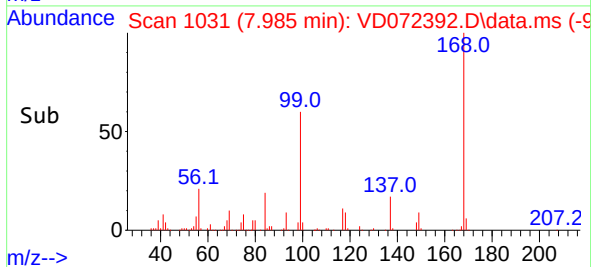
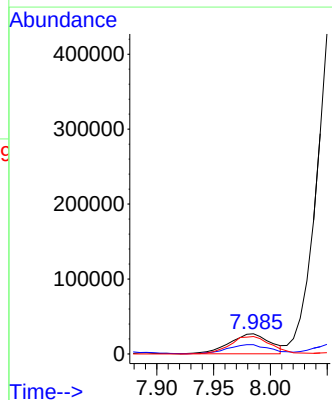
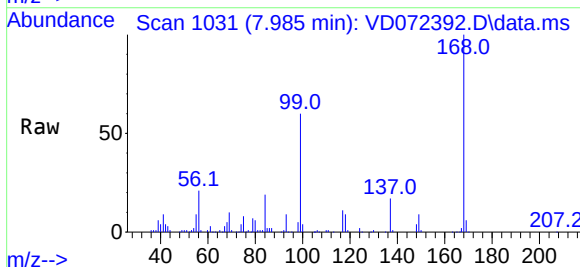
Tgt Ion: 56 Resp: 66447

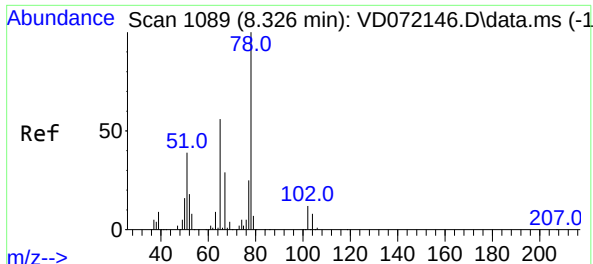
Ion Ratio Lower Upper

56 100

69 44.6 25.4 38.2#

84 87.3 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 44.031 ug/l

RT: 8.332 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

Instrument :

MSVOA\_D

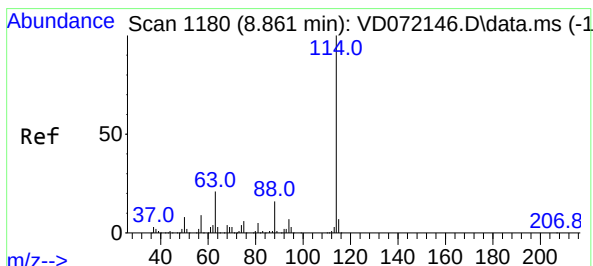
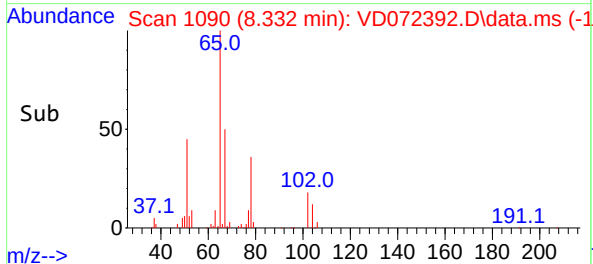
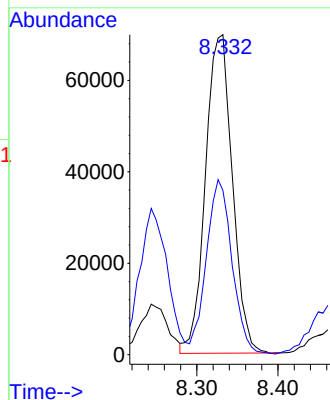
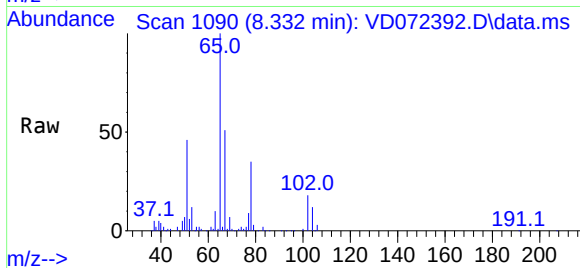
ClientSampleId :

Tgt Ion: 65 Resp: 160522

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

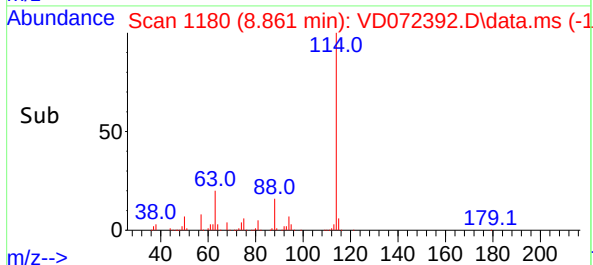
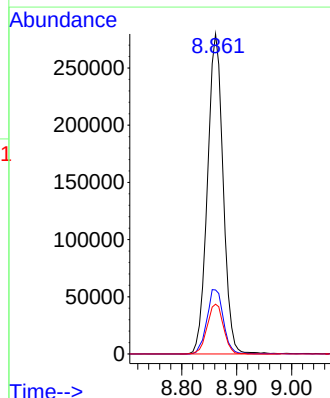
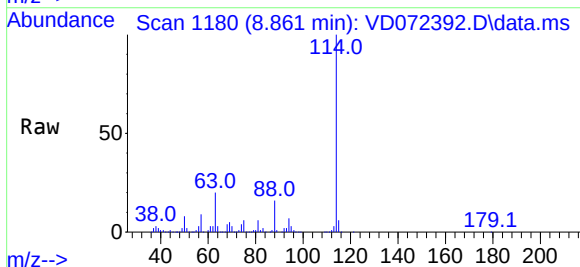
Tgt Ion: 114 Resp: 553092

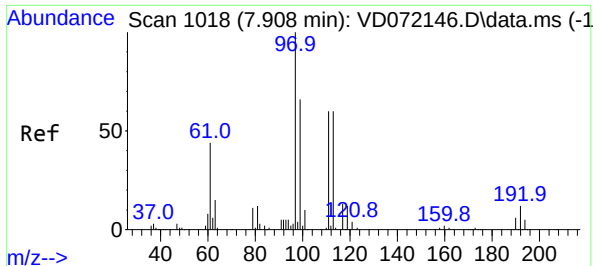
Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

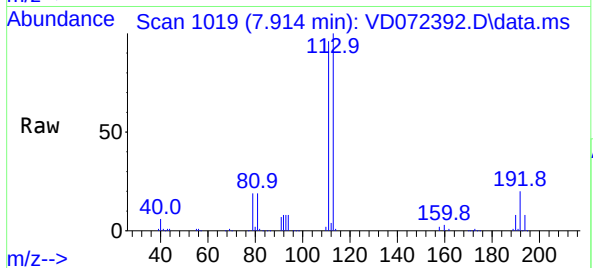
88 15.6 0.0 33.2



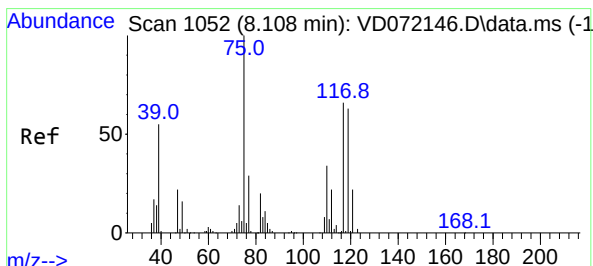
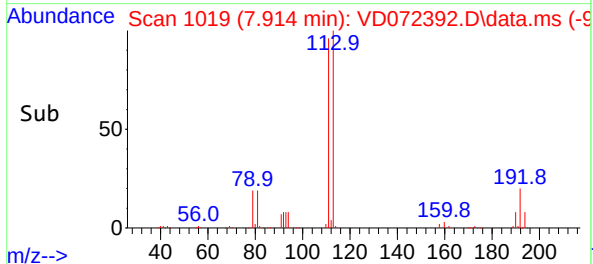
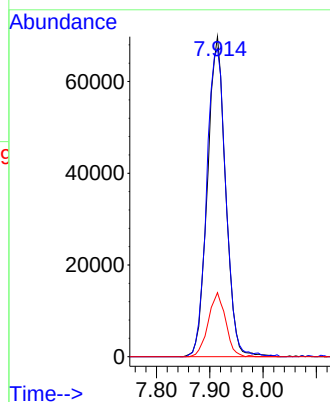


#35  
Dibromofluoromethane  
Concen: 42.442 ug/l  
RT: 7.914 min Scan# 1018  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :

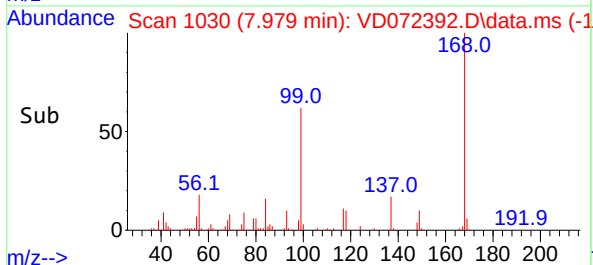
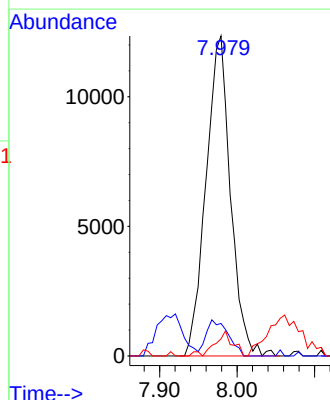
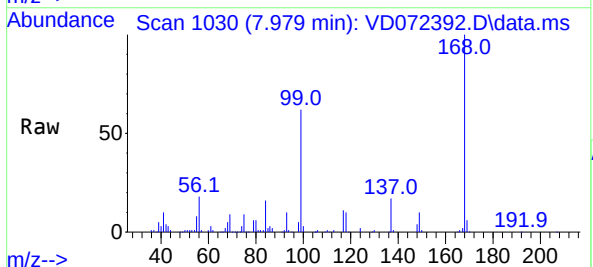


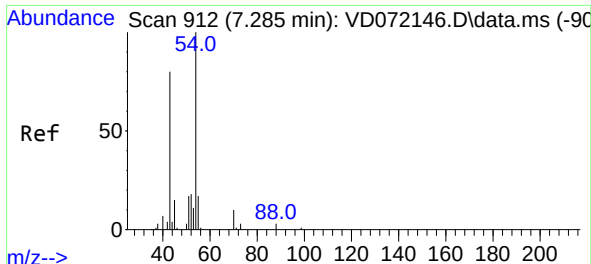
Tgt Ion:113 Resp: 165190  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.8 125.6  
192 19.1 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 4.971 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.129 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 75 Resp: 27140  
Ion Ratio Lower Upper  
75 100  
110 10.1 16.4 49.1#  
77 5.7 24.2 36.2#





#37

Ethyl Acetate

Concen: 38.758 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.076 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

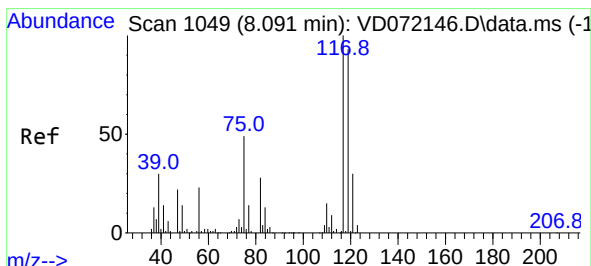
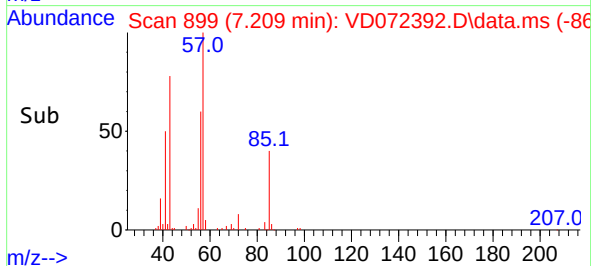
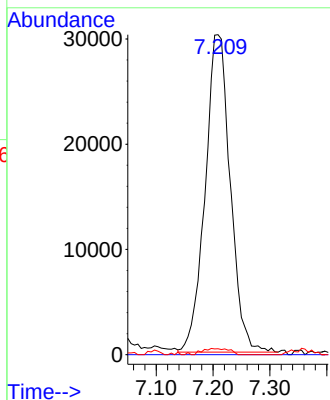
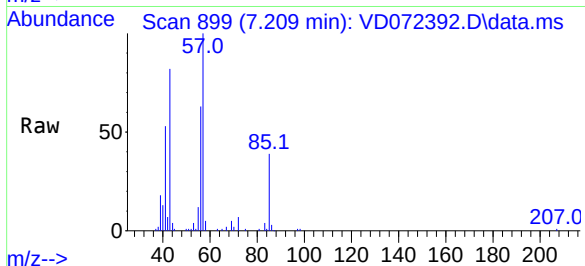
Tgt Ion: 43 Resp: 92702

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 2.1 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.486 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

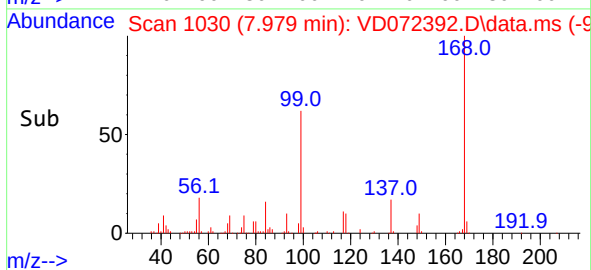
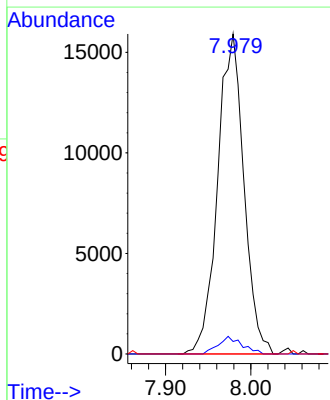
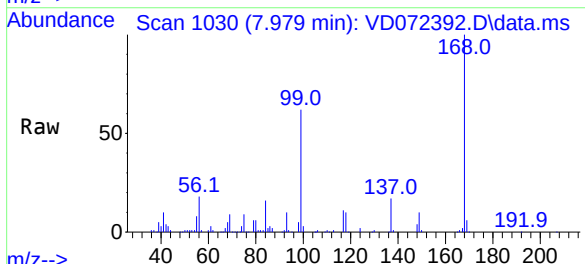
Tgt Ion: 117 Resp: 34052

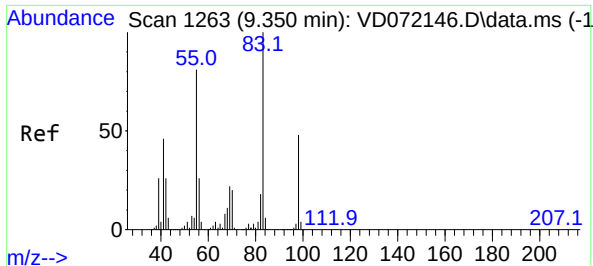
Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.6#

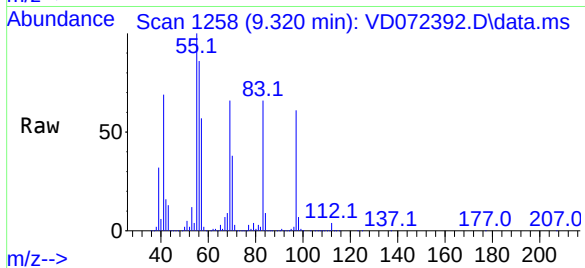
121 0.0 24.5 36.7#



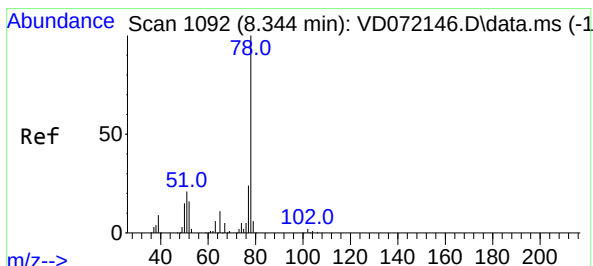
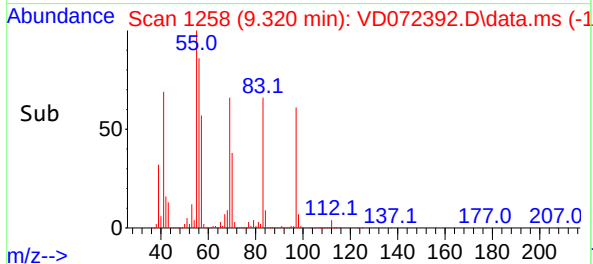
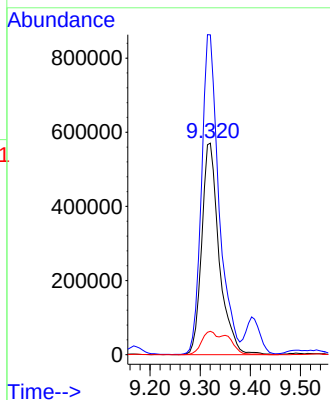


#39  
Methylcyclohexane  
Concen: 224.377 ug/l  
RT: 9.320 min Scan# 11  
Delta R.T. -0.029 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :

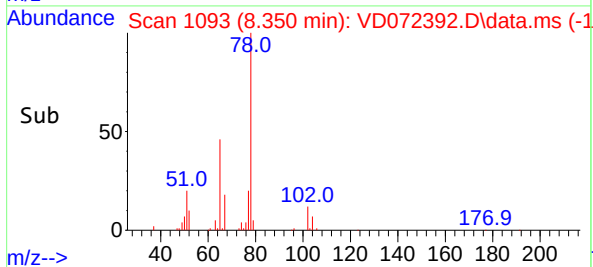
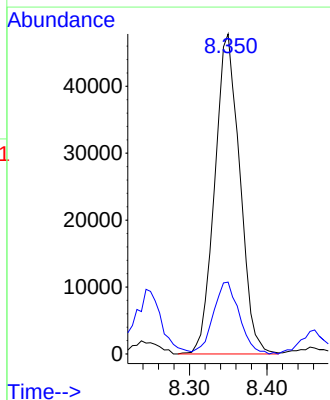
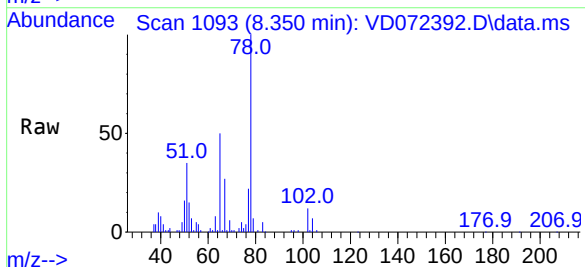


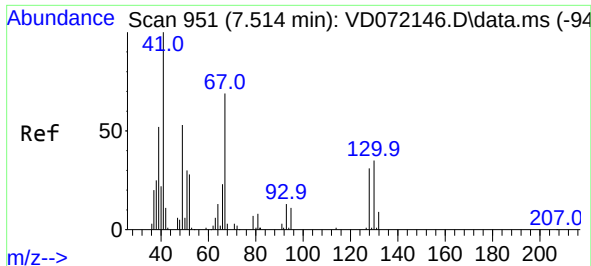
Tgt Ion: 83 Resp: 1378645  
Ion Ratio Lower Upper  
83 100  
55 151.0 63.2 94.8#  
98 11.1 38.2 57.4#



#40  
Benzene  
Concen: 6.901 ug/l  
RT: 8.350 min Scan# 1093  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

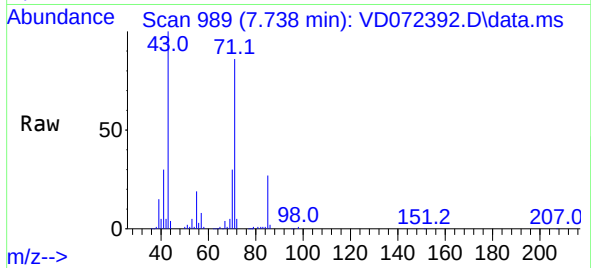
Tgt Ion: 78 Resp: 107506  
Ion Ratio Lower Upper  
78 100  
77 22.5 19.1 28.7



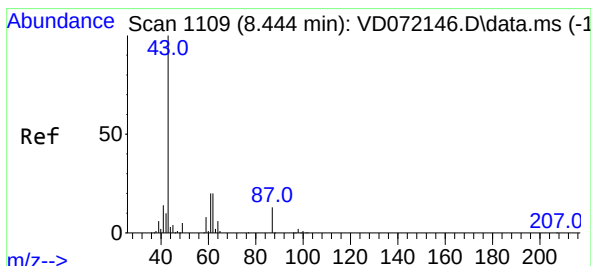
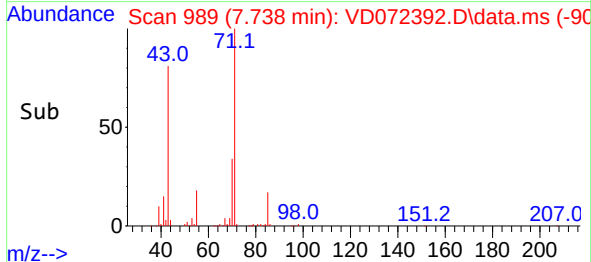
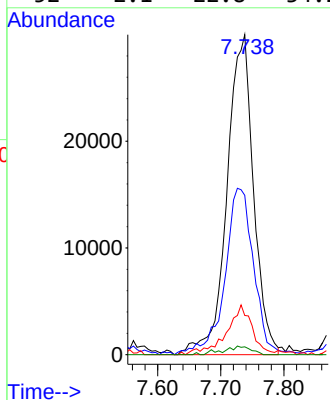


#41  
Methacrylonitrile  
Concen: 62.930 ug/l  
RT: 7.738 min Scan# 91  
Delta R.T. 0.224 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :

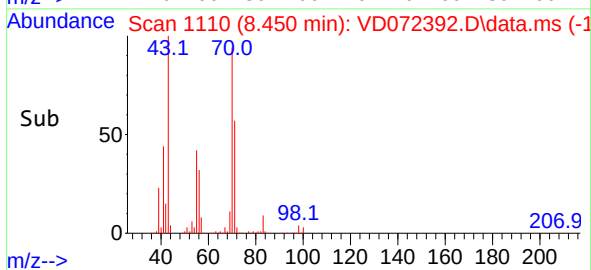
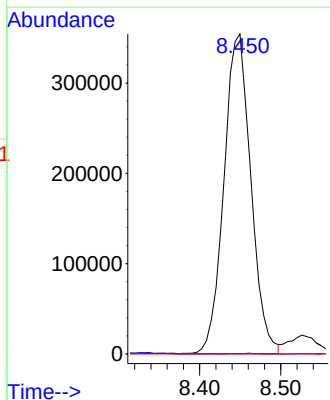
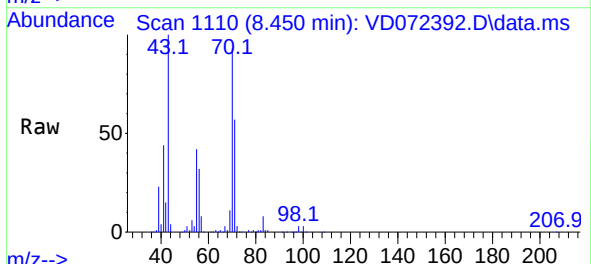


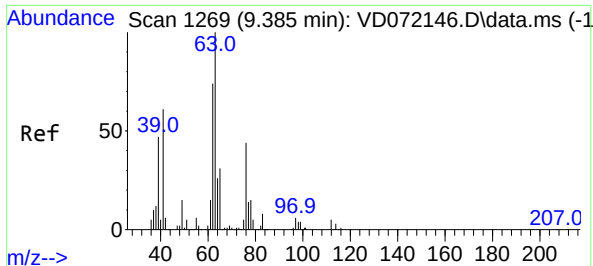
Tgt Ion: 41 Resp: 87729  
Ion Ratio Lower Upper  
41 100  
39 55.9 44.6 67.0  
67 13.3 48.2 72.4#  
52 2.1 22.8 34.2#



#43  
Isopropyl Acetate  
Concen: 175.416 ug/l  
RT: 8.450 min Scan# 1110  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 43 Resp: 814340  
Ion Ratio Lower Upper  
43 100  
61 0.1 22.4 33.6#  
87 0.0 8.7 13.1#

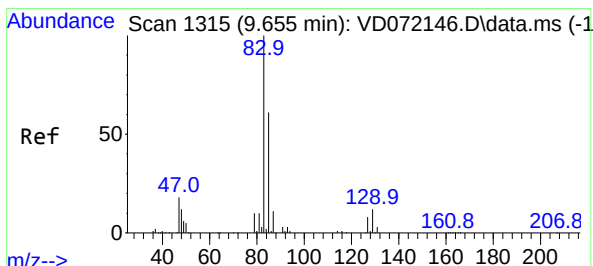
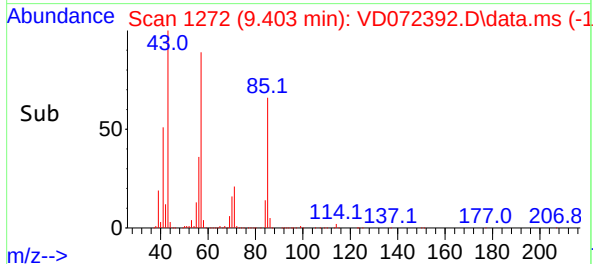
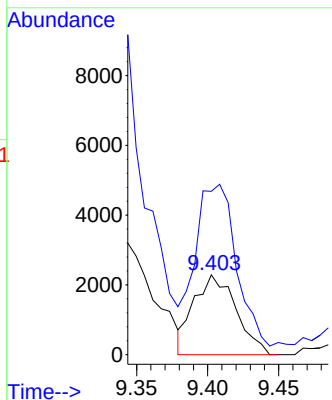
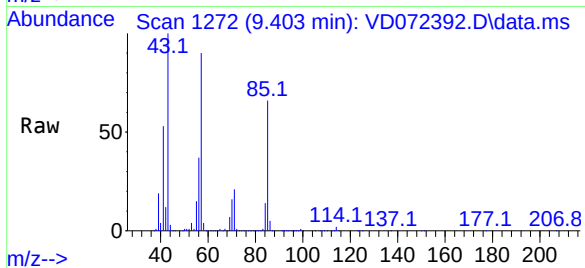




#45  
1,2-Dichloropropane  
Concen: 1.104 ug/l  
RT: 9.403 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

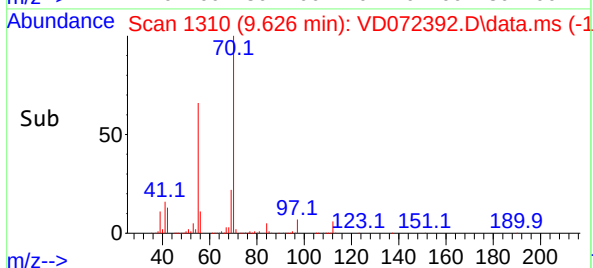
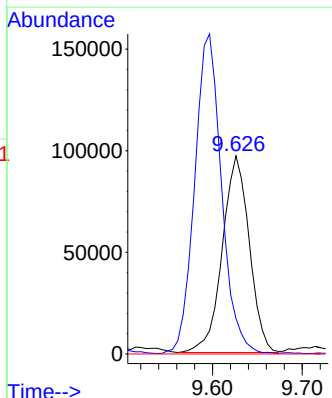
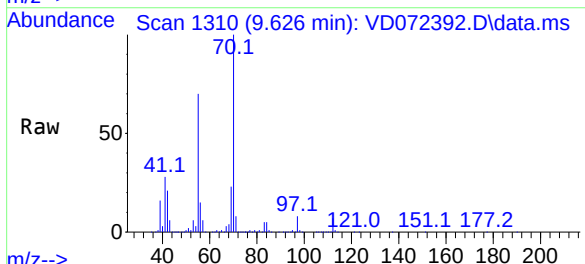
Instrument :  
MSVOA\_D  
ClientSampleId :

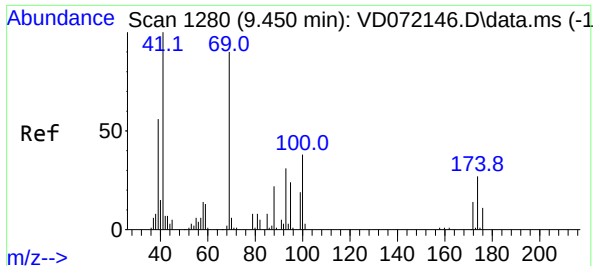
Tgt Ion: 63 Resp: 4715  
Ion Ratio Lower Upper  
63 100  
65 189.5 26.2 39.4#



#47  
Bromodichloromethane  
Concen: 32.986 ug/l  
RT: 9.626 min Scan# 1310  
Delta R.T. -0.029 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 83 Resp: 202079  
Ion Ratio Lower Upper  
83 100  
85 17.8 51.4 77.0#  
127 0.0 6.1 9.1#





#48

Methyl methacrylate

Concen: 29.026 ug/l

RT: 9.485 min Scan# 1

Delta R.T. 0.035 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

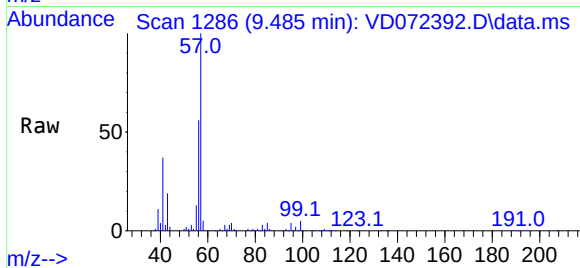
Tgt Ion: 41 Resp: 64341

Ion Ratio Lower Upper

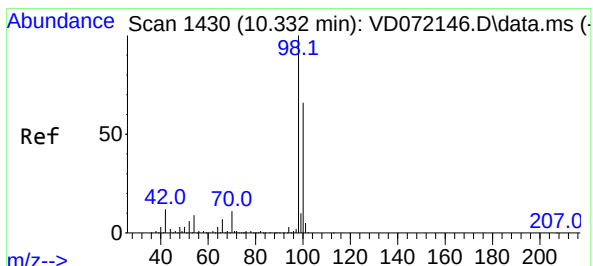
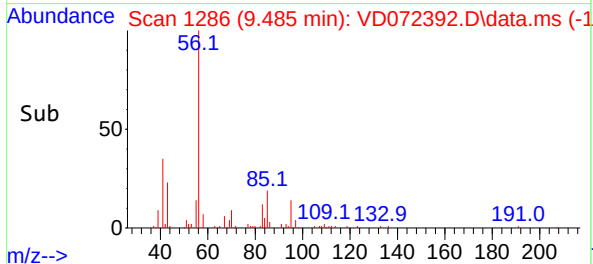
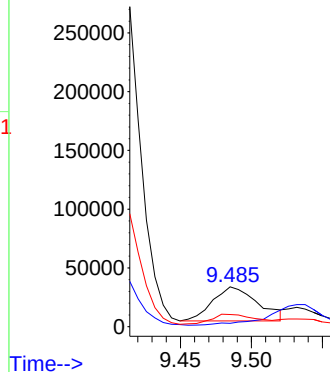
41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



Abundance



#50

Toluene-d8

Concen: 69.203 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD072392.D

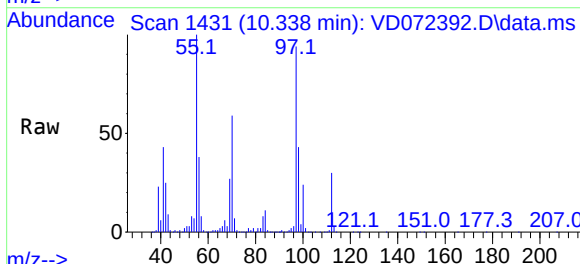
Acq: 23 Mar 2022 19:05

Tgt Ion: 98 Resp: 984878

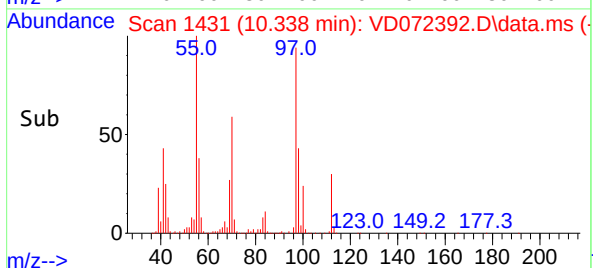
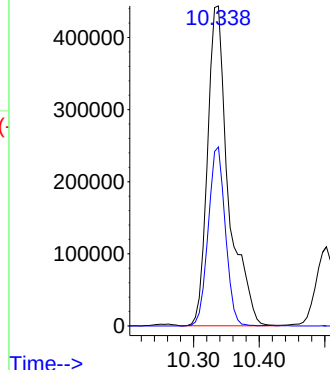
Ion Ratio Lower Upper

98 100

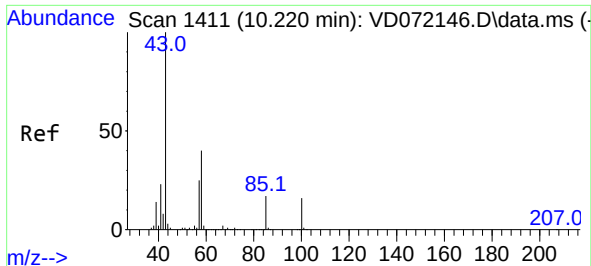
100 45.7 52.4 78.6#



Abundance



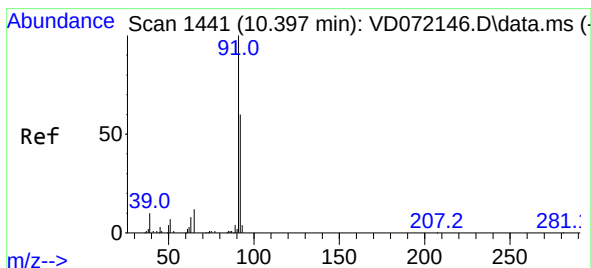
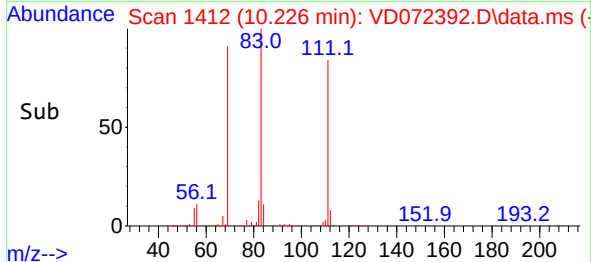
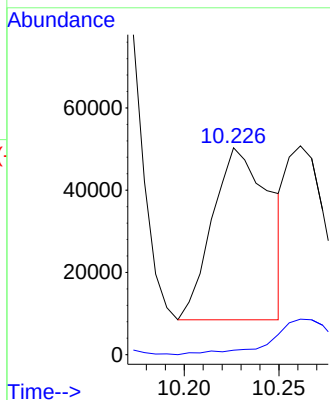
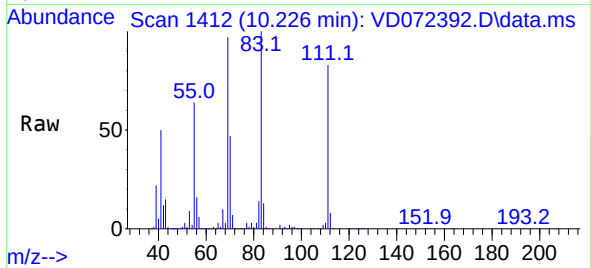




#51  
4-Methyl-2-Pentanone  
Concen: 36.097 ug/l  
RT: 10.226 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

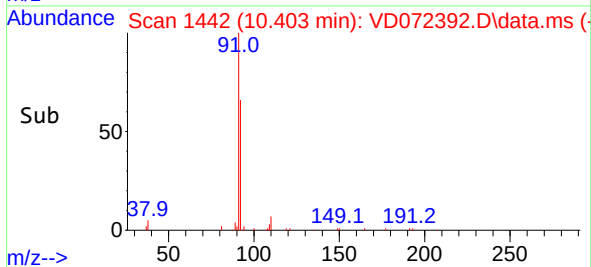
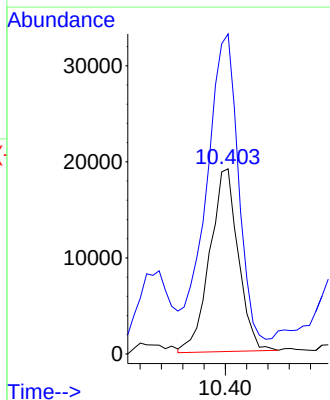
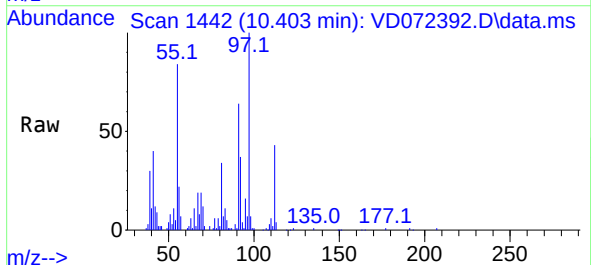
Instrument :  
MSVOA\_D  
ClientSampleId :

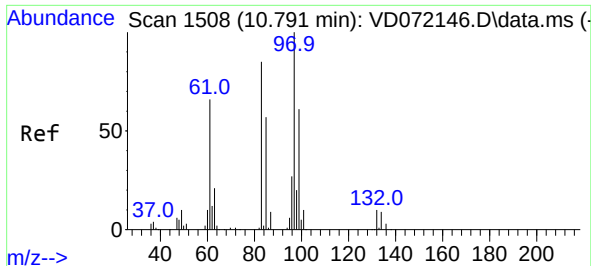
Tgt Ion: 43 Resp: 88013  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.6 43.0#



#52  
Toluene  
Concen: 3.443 ug/l  
RT: 10.403 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

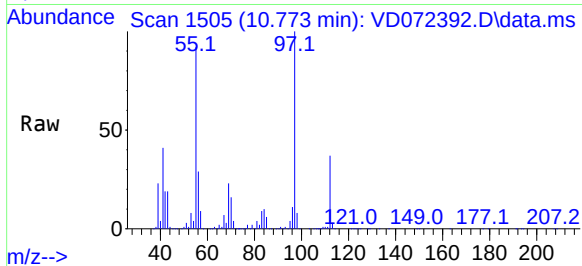
Tgt Ion: 92 Resp: 35287  
Ion Ratio Lower Upper  
92 100  
91 183.0 139.6 209.4





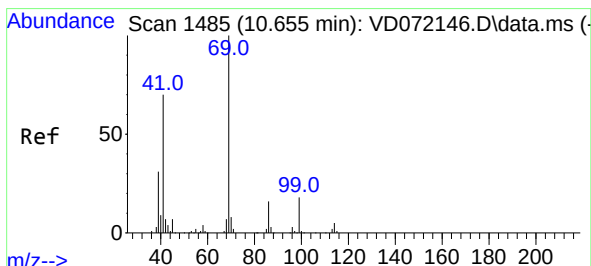
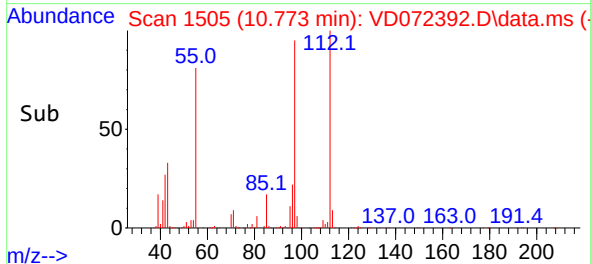
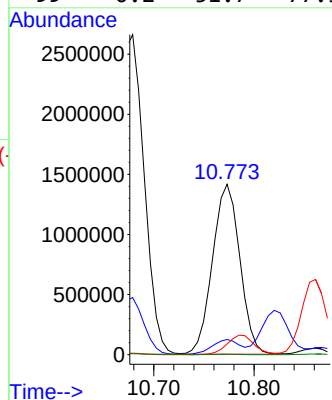
#55  
1,1,2-Trichloroethane  
Concen: 836.490 ug/l  
RT: 10.773 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 97 Resp: 2677825

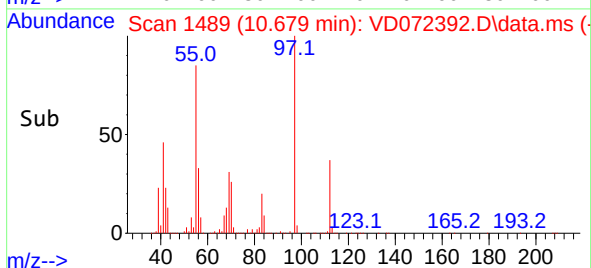
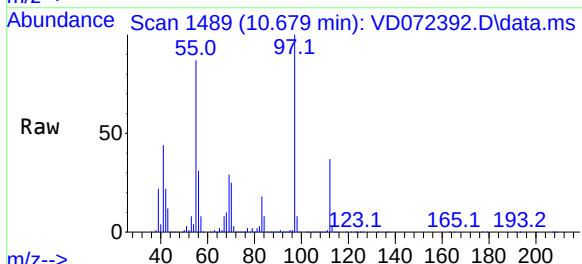
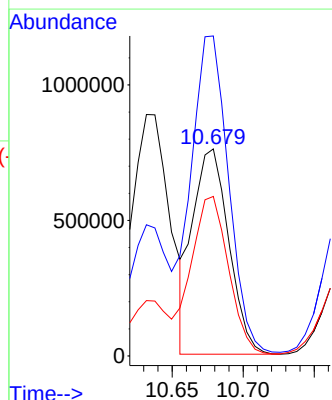
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 83  | 8.7   | 69.0  | 103.4# |
| 85  | 6.3   | 42.6  | 63.8#  |
| 99  | 0.2   | 51.7  | 77.5#  |

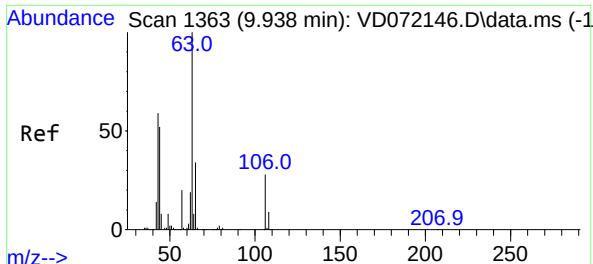


#56  
Ethyl methacrylate  
Concen: 357.115 ug/l  
RT: 10.679 min Scan# 1489  
Delta R.T. 0.024 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 69 Resp: 1339042

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 160.8 | 63.0  | 94.6# |
| 39  | 79.2  | 33.8  | 50.8# |

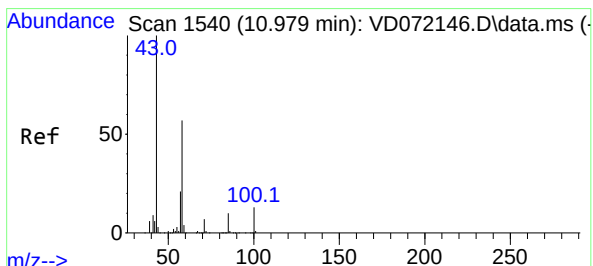
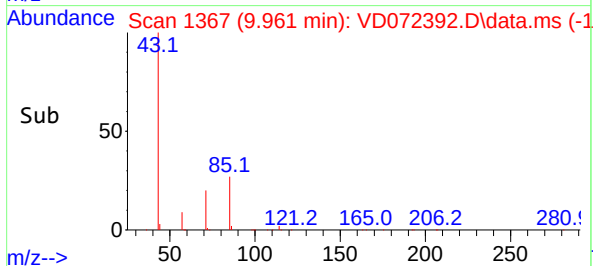
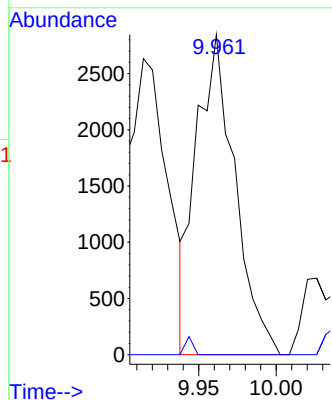
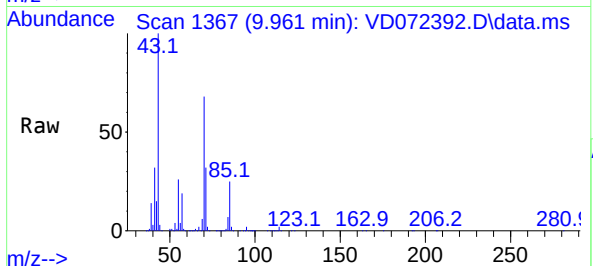




#58  
2-Chloroethyl Vinyl ether  
Concen: 2.914 ug/l  
RT: 9.961 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

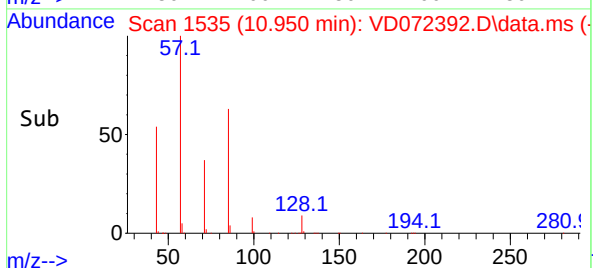
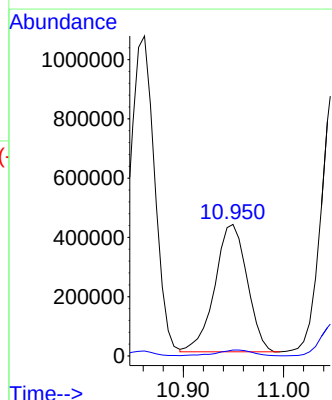
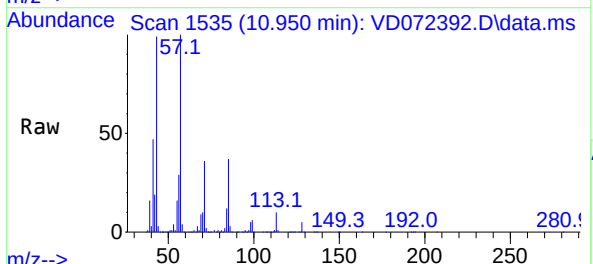
Instrument :  
MSVOA\_D  
ClientSampleId :

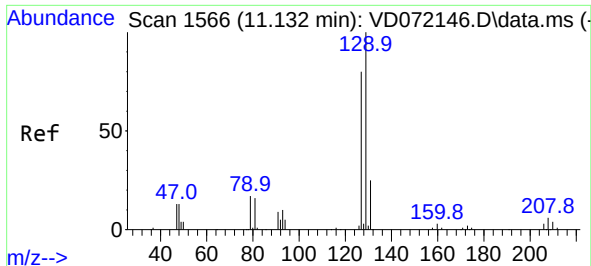
Tgt Ion: 63 Resp: 4912  
Ion Ratio Lower Upper  
63 100  
106 1.2 21.4 32.0#



#59  
2-Hexanone  
Concen: 571.597 ug/l  
RT: 10.950 min Scan# 1535  
Delta R.T. -0.029 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

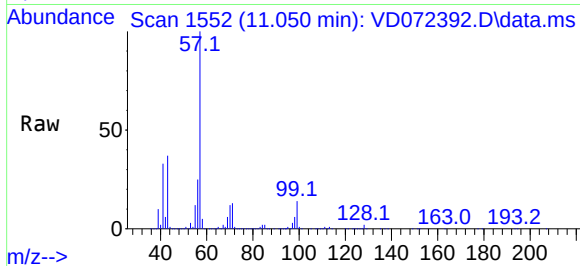
Tgt Ion: 43 Resp: 962591  
Ion Ratio Lower Upper  
43 100  
58 4.9 25.3 75.9#



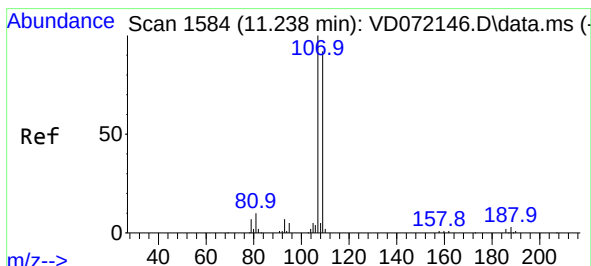
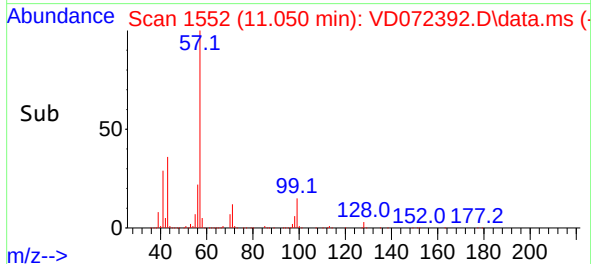
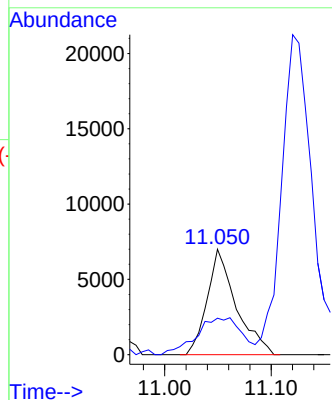


#60  
Dibromochloromethane  
Concen: 3.185 ug/l  
RT: 11.050 min Scan# 1552  
Delta R.T. -0.082 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :

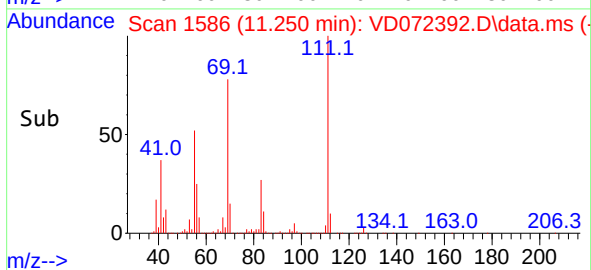
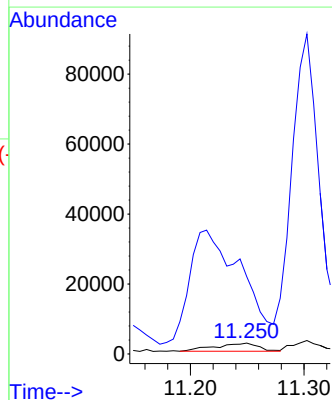
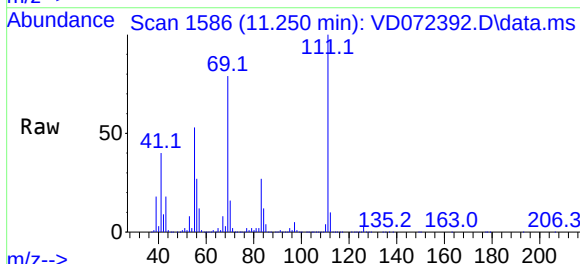


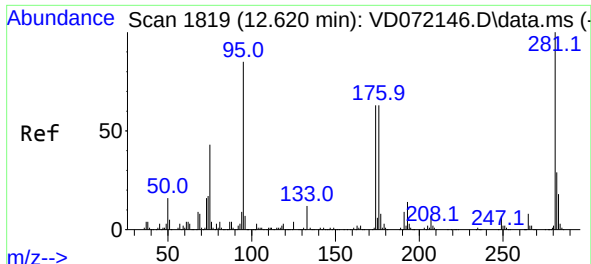
Tgt Ion:129 Resp: 13232  
Ion Ratio Lower Upper  
129 100  
127 54.8 39.2 117.6



#61  
1,2-Dibromoethane  
Concen: 2.133 ug/l  
RT: 11.250 min Scan# 1586  
Delta R.T. 0.012 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion:107 Resp: 6169  
Ion Ratio Lower Upper  
107 100  
109 0.0 74.2 111.4#

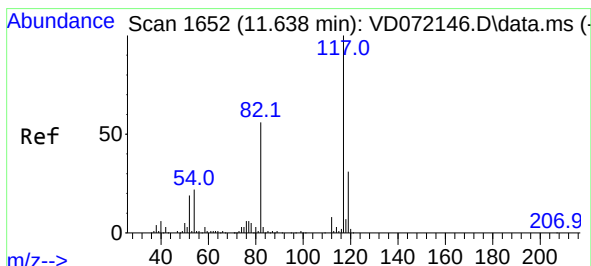
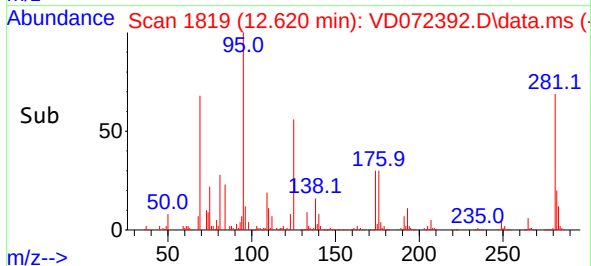
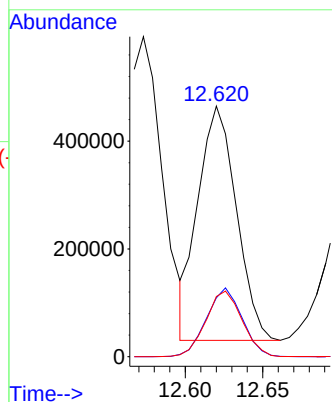
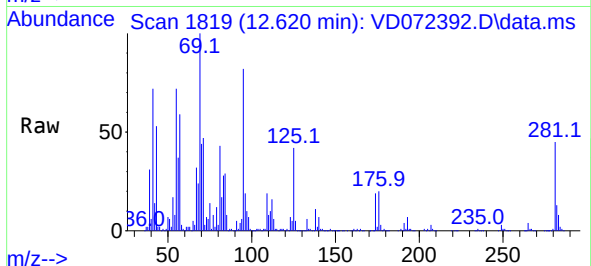




#62  
4-Bromofluorobenzene  
Concen: 135.693 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

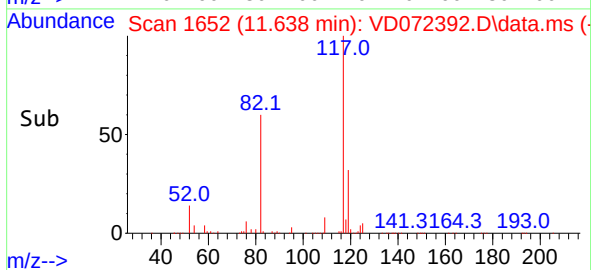
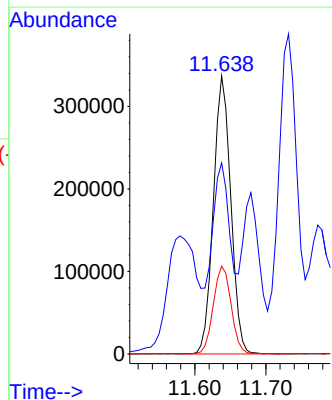
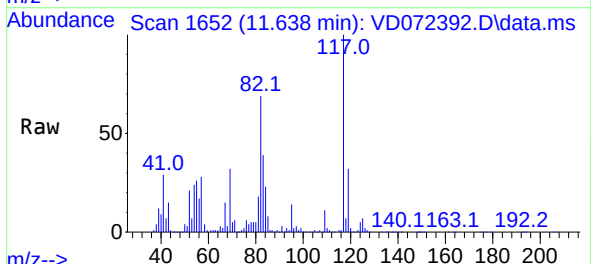
Instrument :  
MSVOA\_D  
ClientSampleId :

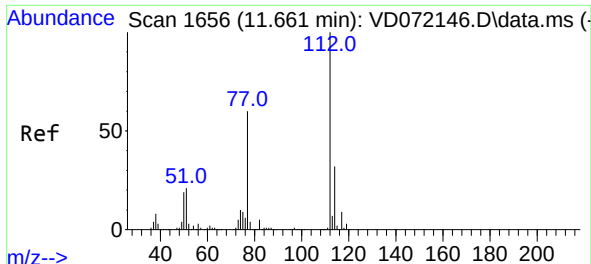
Tgt Ion: 95 Resp: 750355  
Ion Ratio Lower Upper  
95 100  
174 27.2 0.0 152.8  
176 26.6 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

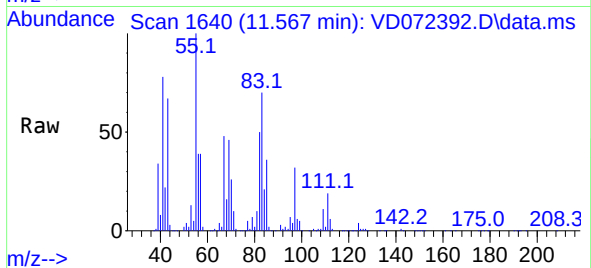
Tgt Ion: 117 Resp: 574067  
Ion Ratio Lower Upper  
117 100  
82 26.2 45.3 67.9#  
119 31.5 26.6 40.0



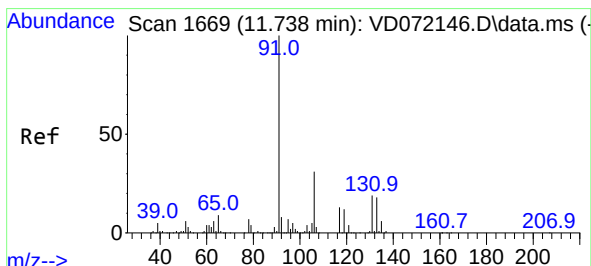
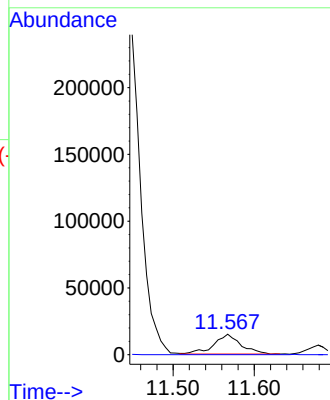
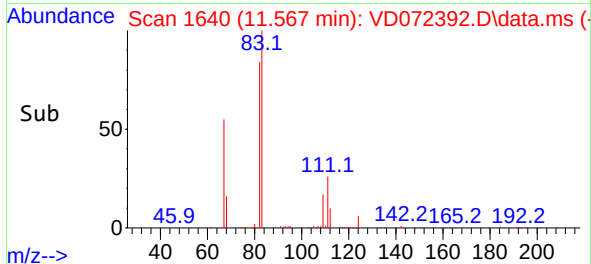


#65  
Chlorobenzene  
Concen: 2.671 ug/l  
RT: 11.567 min Scan# 1640  
Delta R.T. -0.094 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

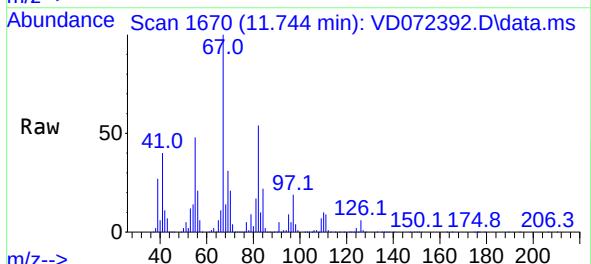
Instrument :  
MSVOA\_D  
ClientSampleId :



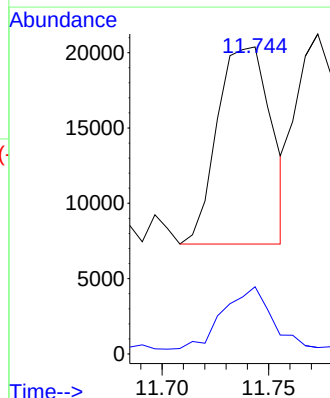
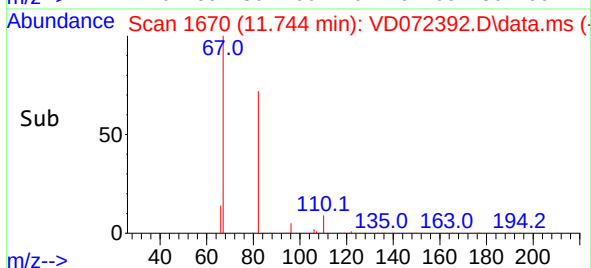
Tgt Ion:112 Resp: 33995  
Ion Ratio Lower Upper  
112 100  
114 0.0 25.8 38.6#

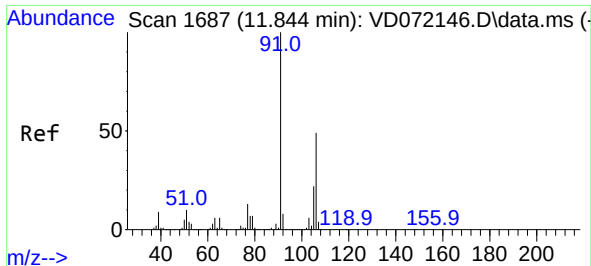


#67  
Ethyl Benzene  
Concen: 1.013 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05



Tgt Ion: 91 Resp: 23031  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.2 36.4

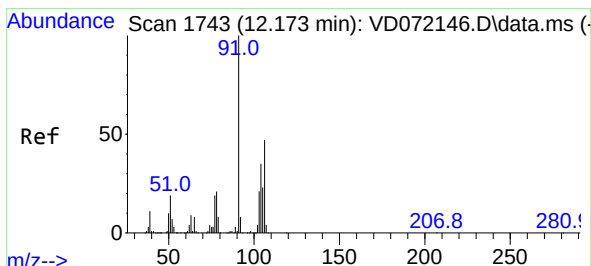
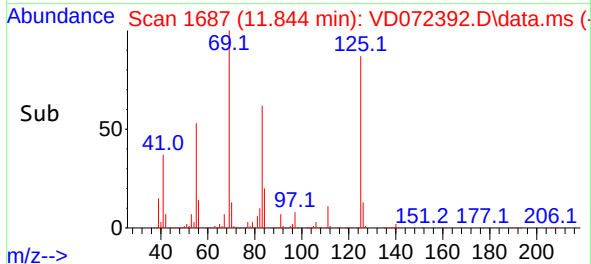
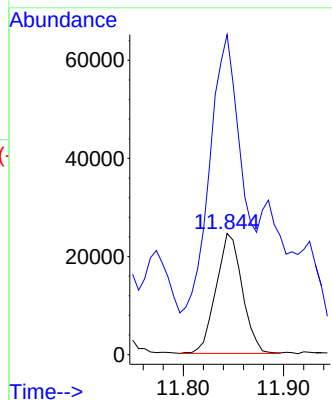
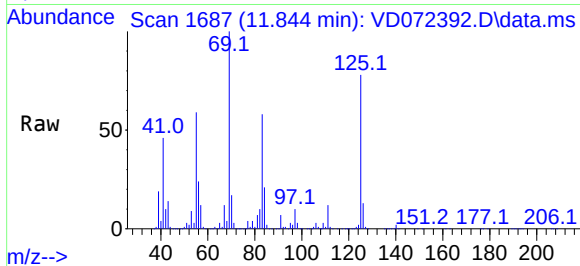




#68  
m/p-Xylenes  
Concen: 5.120 ug/l  
RT: 11.844 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

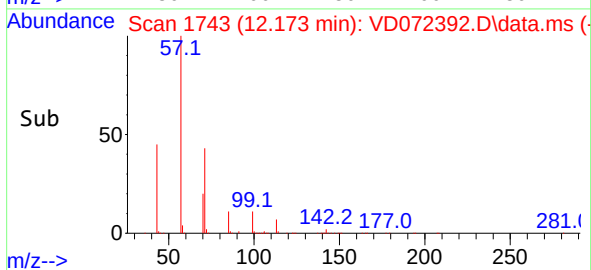
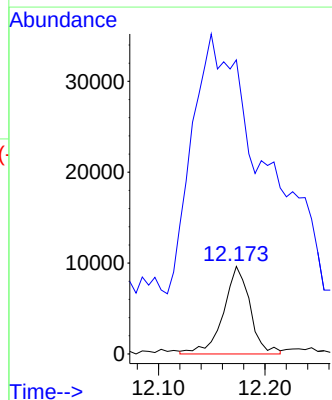
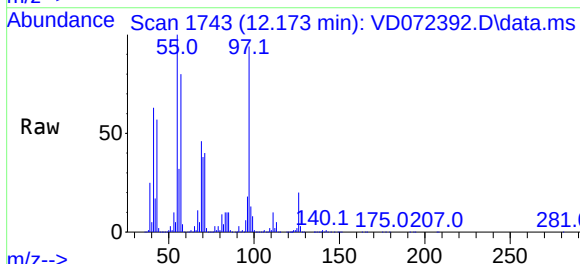
Instrument :  
MSVOA\_D  
ClientSampleId :

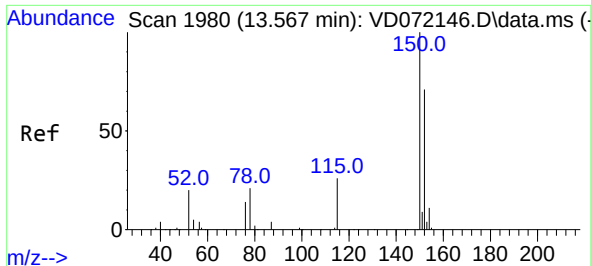
Tgt Ion:106 Resp: 44193  
Ion Ratio Lower Upper  
106 100  
91 282.3 163.7 245.5#



#69  
o-Xylene  
Concen: 2.021 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion:106 Resp: 16684  
Ion Ratio Lower Upper  
106 100  
91 0.0 110.4 331.2#

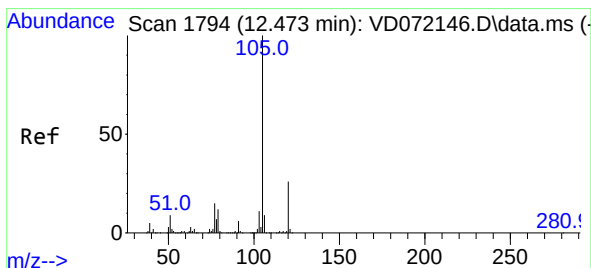
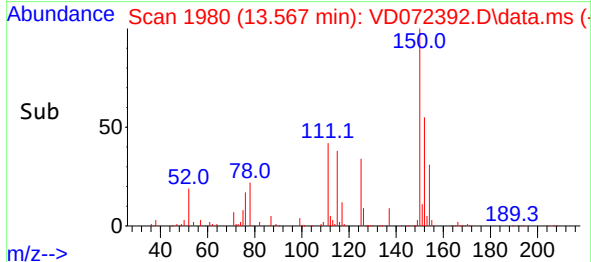
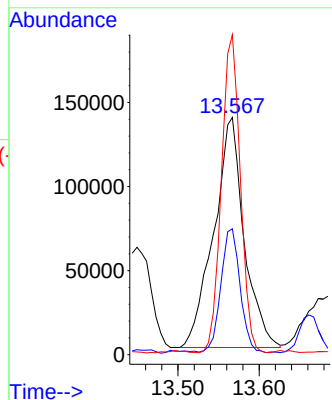
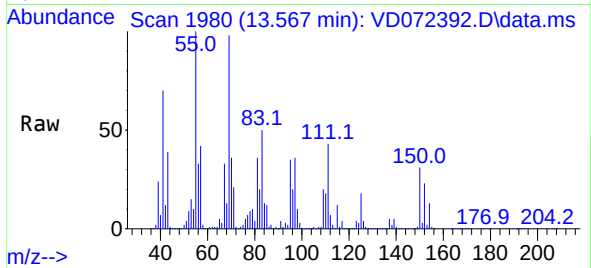




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

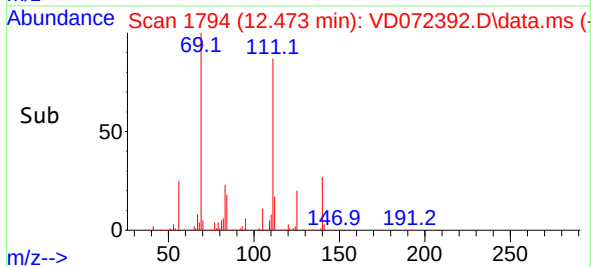
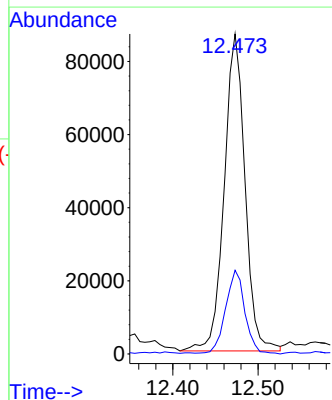
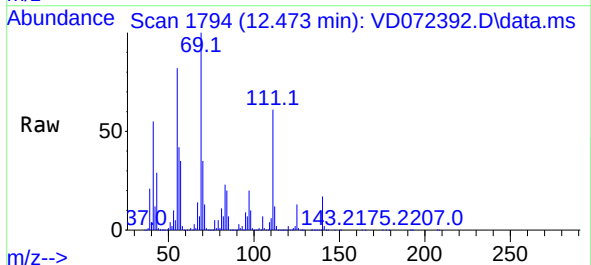
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:152 Resp: 355631  
Ion Ratio Lower Upper  
152 100  
115 34.2 31.3 93.8  
150 86.1 0.0 348.6

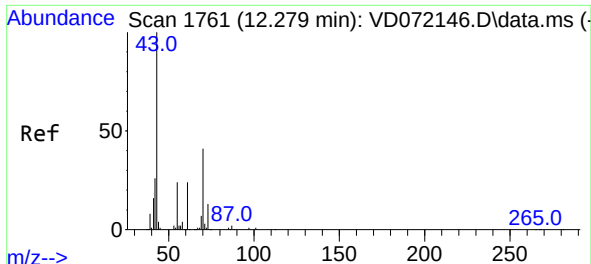


#73  
Isopropylbenzene  
Concen: 5.239 ug/l  
RT: 12.473 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion:105 Resp: 147634  
Ion Ratio Lower Upper  
105 100  
120 24.6 13.0 38.9

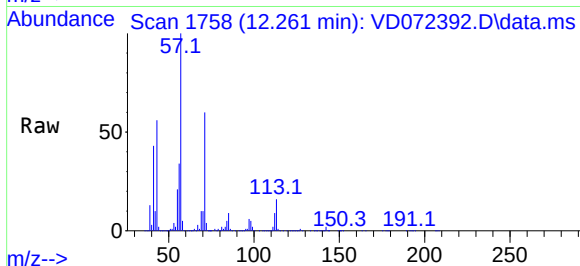




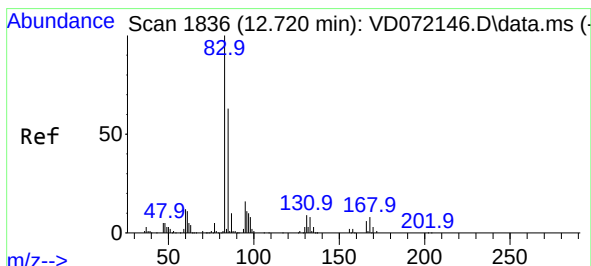
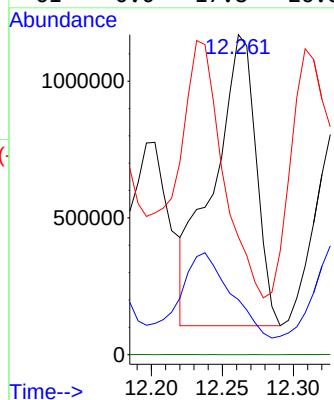
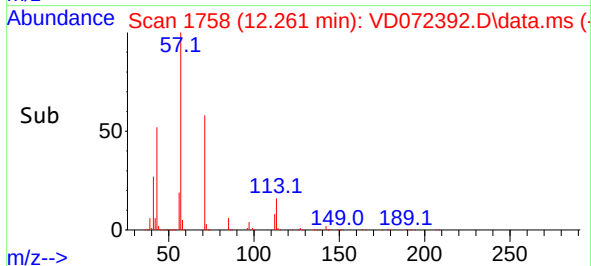


#74  
N-amy1 acetate  
Concen: 367.935 ug/l  
RT: 12.261 min Scan# 1758  
Delta R.T. -0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :

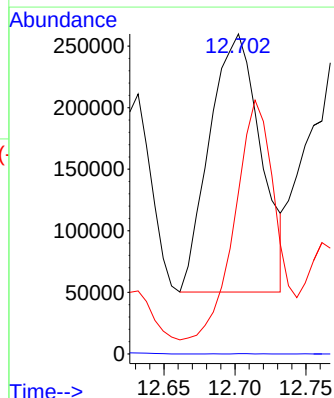
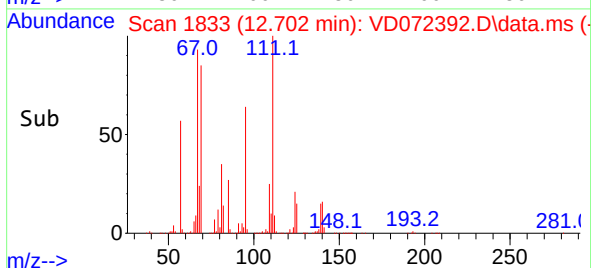
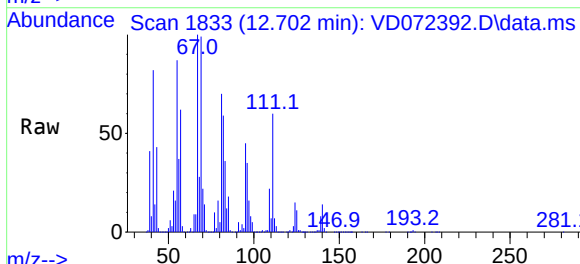


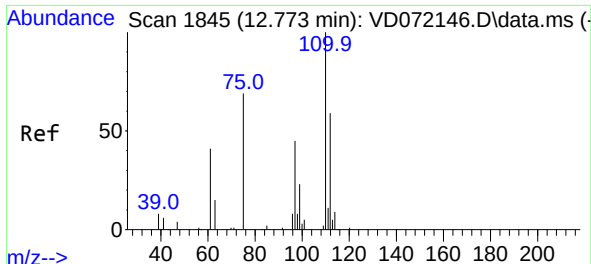
Tgt Ion: 43 Resp: 2228333  
Ion Ratio Lower Upper  
43 100  
70 0.0 31.3 46.9#  
55 0.0 20.0 30.0#  
61 0.0 17.8 26.8#



#75  
1,1,2,2-Tetrachloroethane  
Concen: 104.385 ug/l  
RT: 12.702 min Scan# 1833  
Delta R.T. -0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 83 Resp: 526131  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.0 14.9#  
85 74.1 32.6 98.0

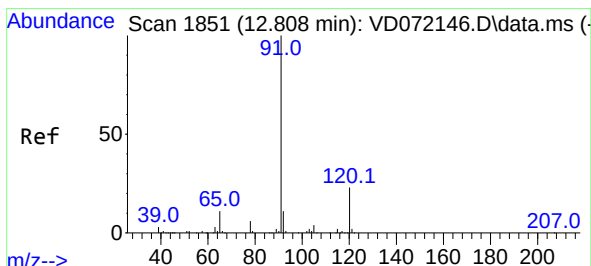
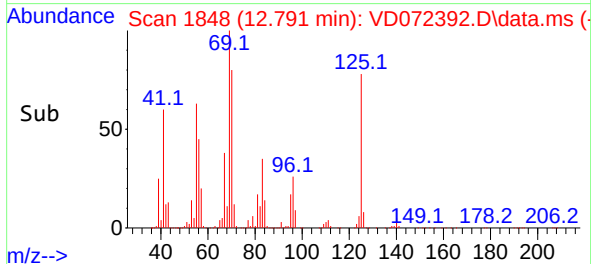
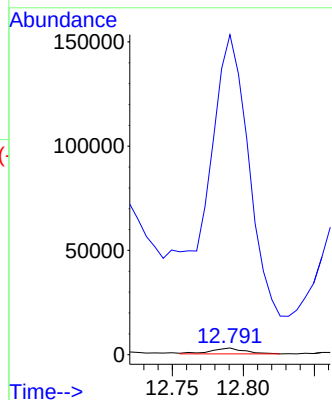
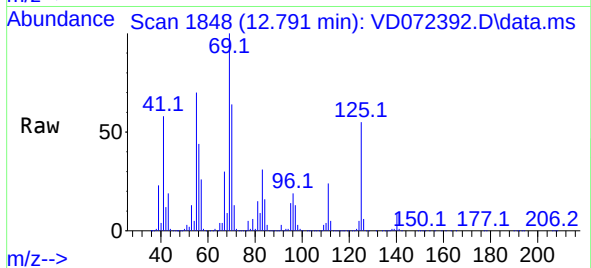




#76  
1,2,3-Trichloropropane  
Concen: 1.179 ug/l  
RT: 12.791 min Scan# 1848  
Delta R.T. 0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

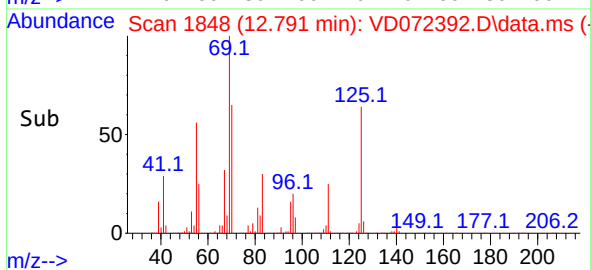
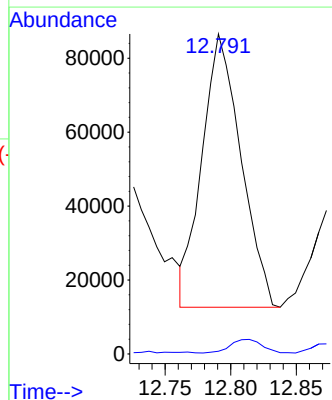
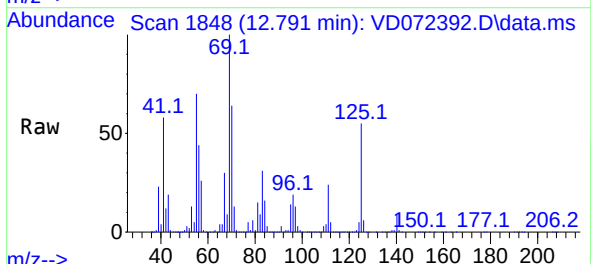
Instrument :  
MSVOA\_D  
ClientSampleId :

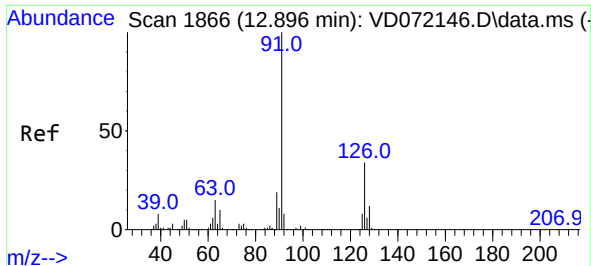
Tgt Ion: 75 Resp: 4627  
Ion Ratio Lower Upper  
75 100  
77 5084.7 0.0 0.0#



#78  
n-propylbenzene  
Concen: 4.456 ug/l  
RT: 12.791 min Scan# 1848  
Delta R.T. -0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 91 Resp: 152527  
Ion Ratio Lower Upper  
91 100  
120 0.0 10.9 32.9#

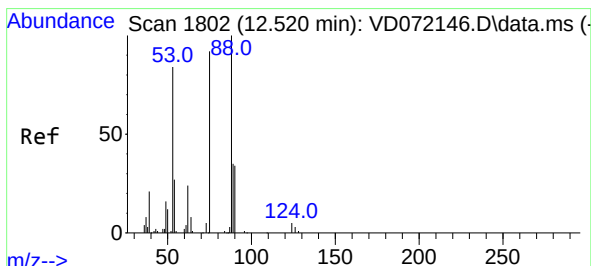
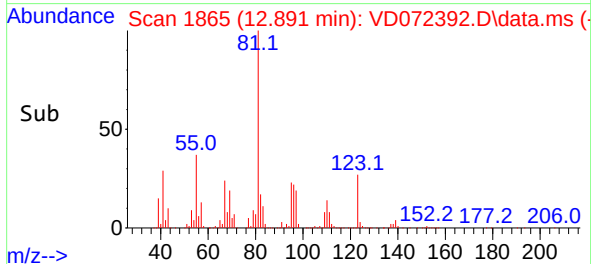
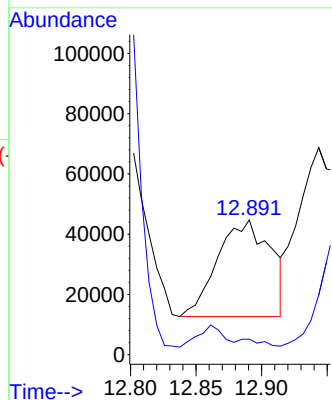
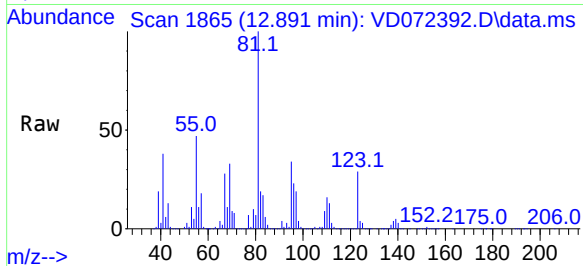




#79  
2-Chlorotoluene  
Concen: 4.553 ug/l  
RT: 12.891 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

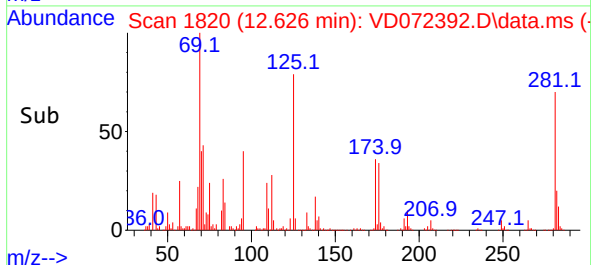
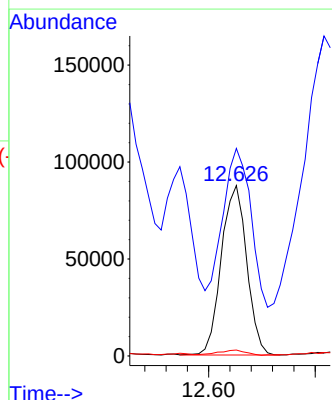
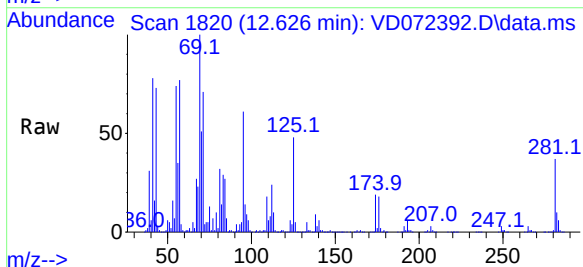
Instrument :  
MSVOA\_D  
ClientSampleId :

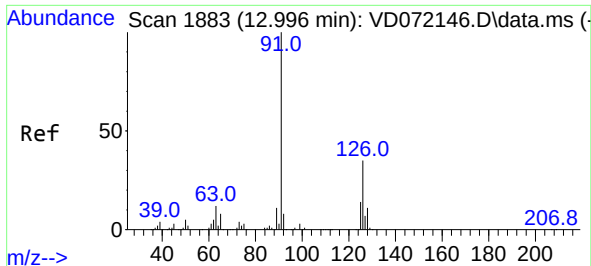
Tgt Ion: 91 Resp: 90123  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.2 48.6#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.438 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 75 Resp: 144574  
Ion Ratio Lower Upper  
75 100  
53 102.7 86.5 129.7  
89 3.3 33.9 50.9#

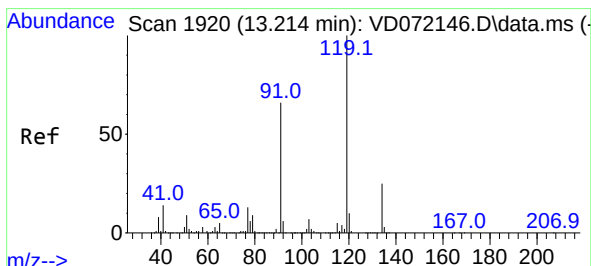
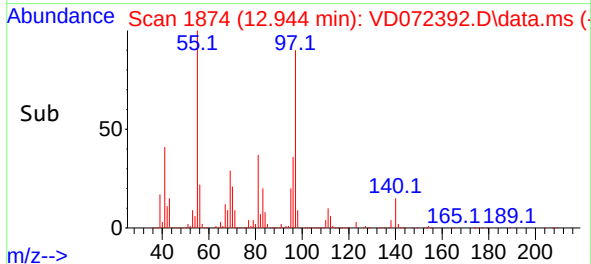
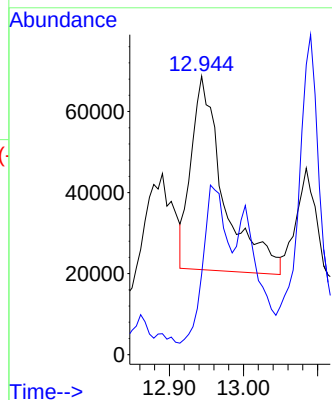
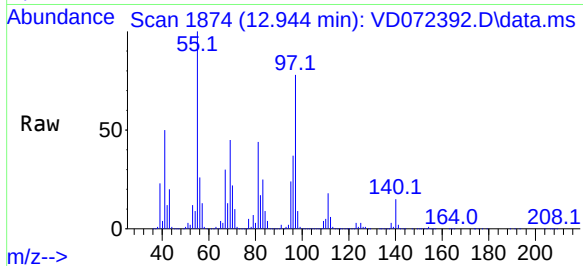




#82  
4-Chlorotoluene  
Concen: 7.130 ug/l  
RT: 12.944 min Scan# 1883  
Delta R.T. -0.053 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

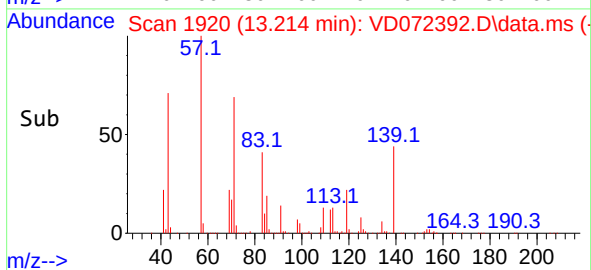
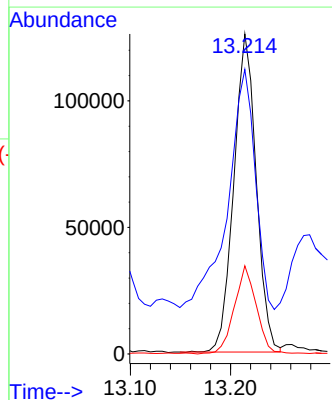
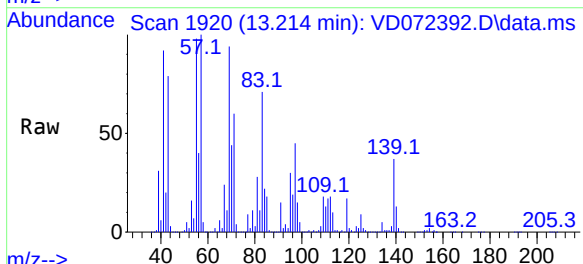
Instrument :  
MSVOA\_D  
ClientSampleId :

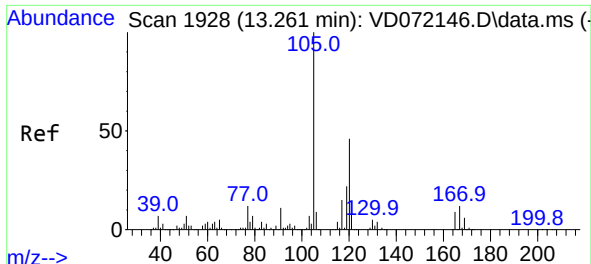
Tgt Ion: 91 Resp: 146132  
Ion Ratio Lower Upper  
91 100  
126 60.4 16.5 49.5#



#83  
tert-Butylbenzene  
Concen: 9.195 ug/l  
RT: 13.214 min Scan# 1920  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 119 Resp: 195178  
Ion Ratio Lower Upper  
119 100  
91 92.4 34.8 104.5  
134 27.5 13.3 39.9

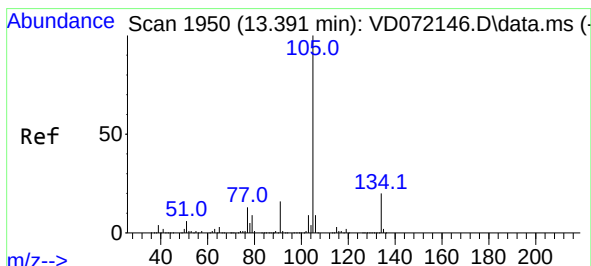
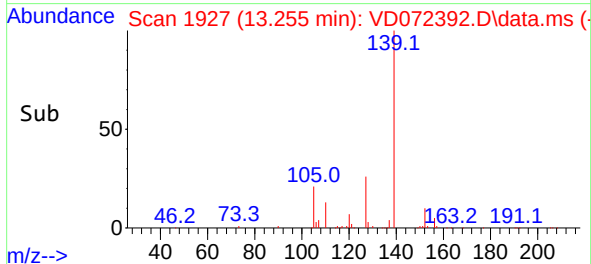
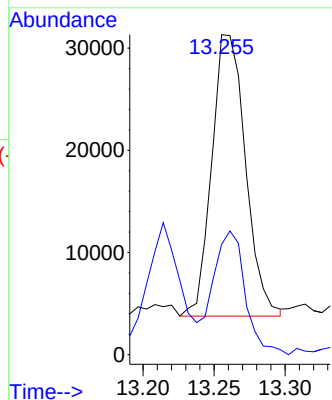
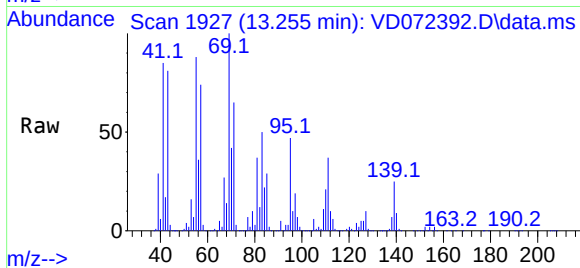




#84  
1,2,4-Trimethylbenzene  
Concen: 1.909 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. -0.006 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

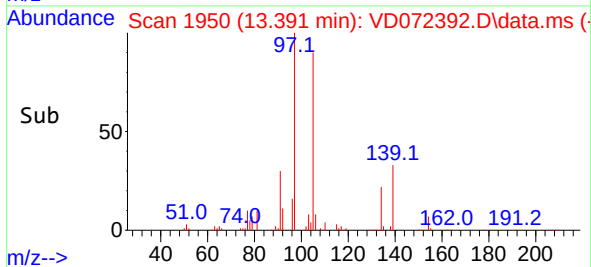
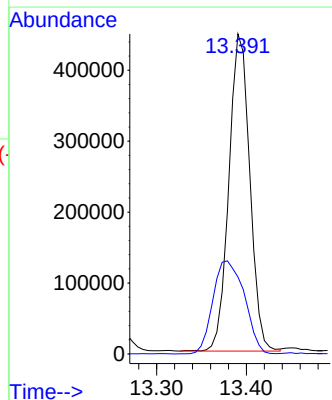
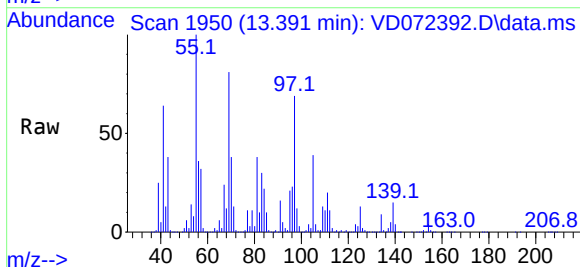
Instrument :  
MSVOA\_D  
ClientSampleId :

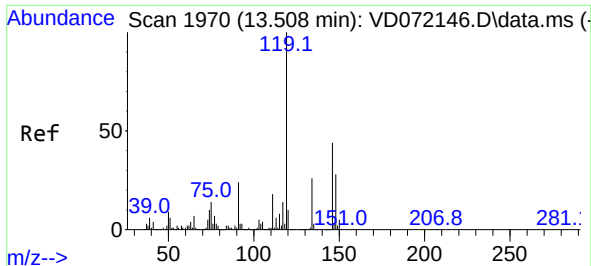
Tgt Ion:105 Resp: 45547  
Ion Ratio Lower Upper  
105 100  
120 41.9 22.3 66.8



#85  
sec-Butylbenzene  
Concen: 22.682 ug/l  
RT: 13.391 min Scan# 1950  
Delta R.T. 0.000 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion:105 Resp: 723009  
Ion Ratio Lower Upper  
105 100  
134 44.3 9.8 29.3#

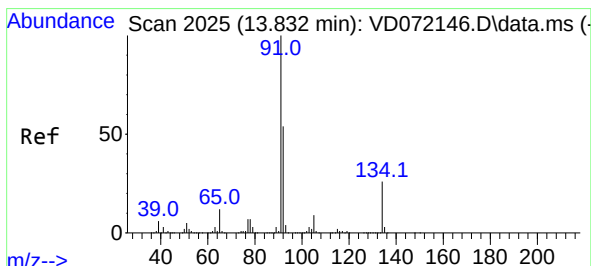
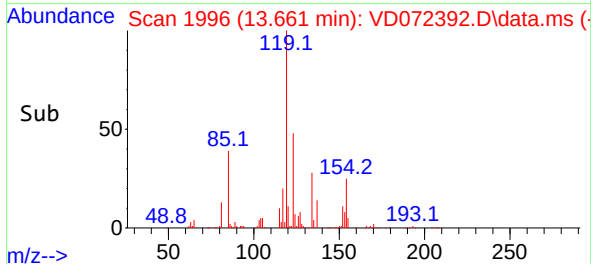
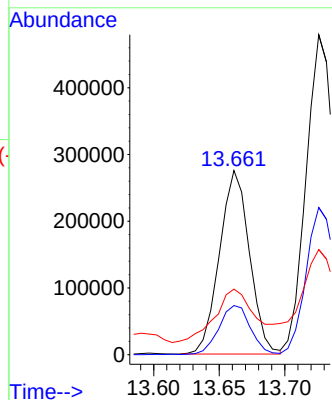
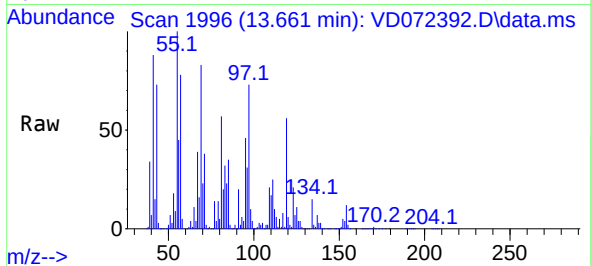




#86  
 p-Isopropyltoluene  
 Concen: 16.706 ug/l  
 RT: 13.661 min Scan# 1970  
 Delta R.T. 0.153 min  
 Lab File: VD072392.D  
 Acq: 23 Mar 2022 19:05

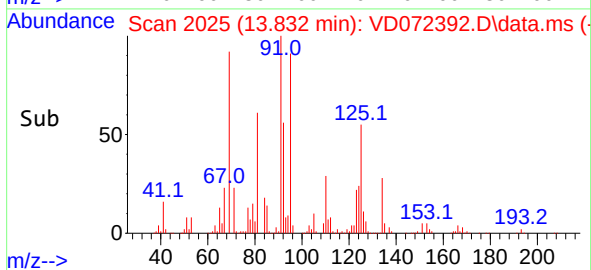
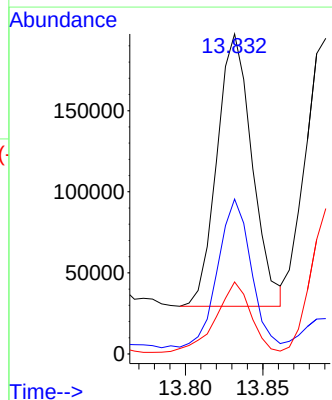
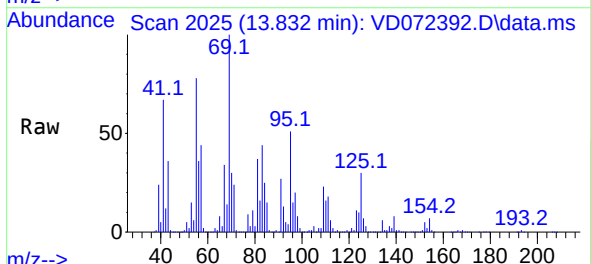
Instrument :  
 MSVOA\_D  
 ClientSampleId :

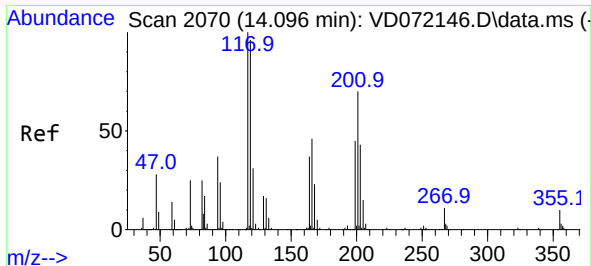
Tgt Ion:119 Resp: 438194  
 Ion Ratio Lower Upper  
 119 100  
 134 28.4 12.9 38.6  
 91 38.7 12.1 36.3#



#89  
 n-Butylbenzene  
 Concen: 10.585 ug/l  
 RT: 13.832 min Scan# 2025  
 Delta R.T. 0.000 min  
 Lab File: VD072392.D  
 Acq: 23 Mar 2022 19:05

Tgt Ion: 91 Resp: 264648  
 Ion Ratio Lower Upper  
 91 100  
 92 51.7 26.6 79.8  
 134 26.7 12.3 36.9

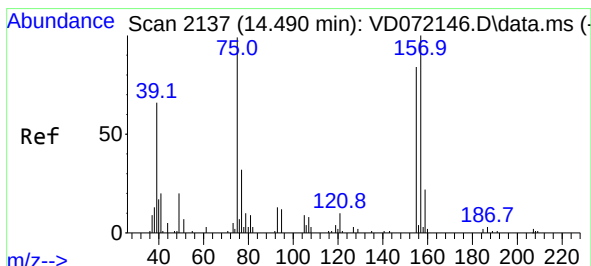
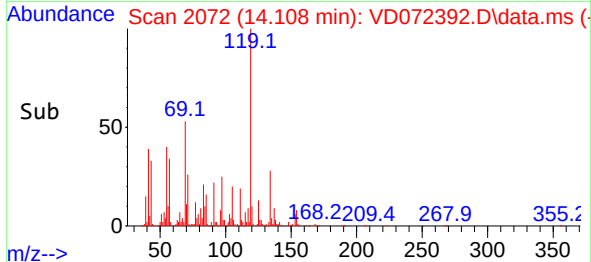
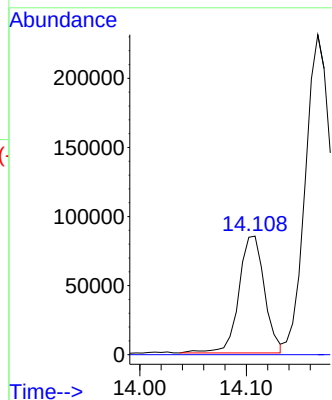
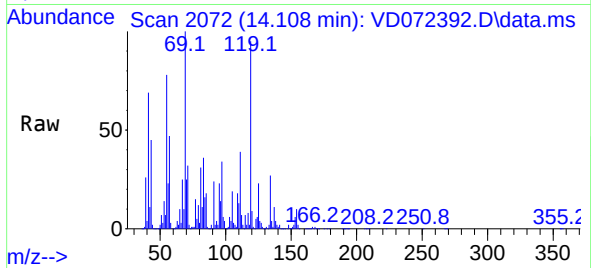




#90  
Hexachloroethane  
Concen: 27.600 ug/l  
RT: 14.108 min Scan# 2070  
Delta R.T. 0.012 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

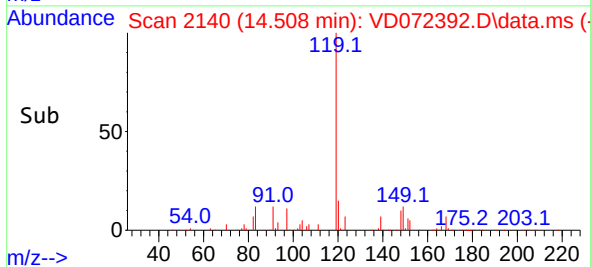
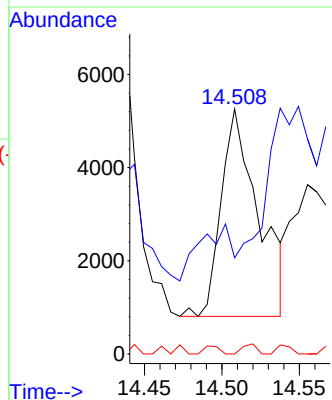
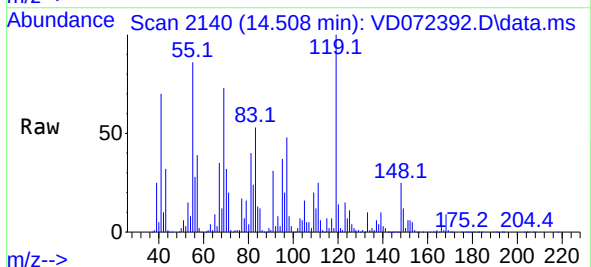
Instrument :  
MSVOA\_D  
ClientSampleId :

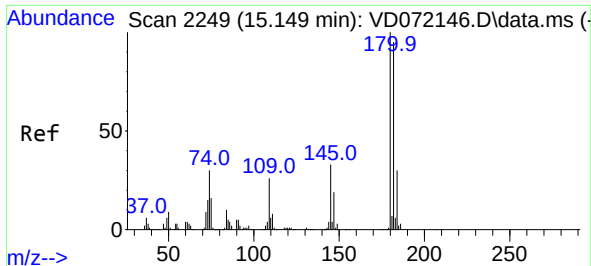
Tgt Ion:117 Resp: 141891  
Ion Ratio Lower Upper  
117 100  
201 0.0 33.4 100.2#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 9.238 ug/l  
RT: 14.508 min Scan# 2140  
Delta R.T. 0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Tgt Ion: 75 Resp: 7431  
Ion Ratio Lower Upper  
75 100  
155 0.0 36.8 110.3#  
157 1.8 48.4 145.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.593 ug/l

RT: 15.155 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

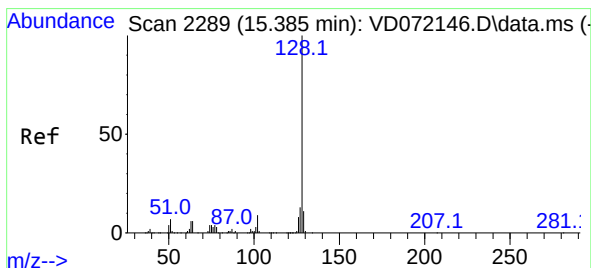
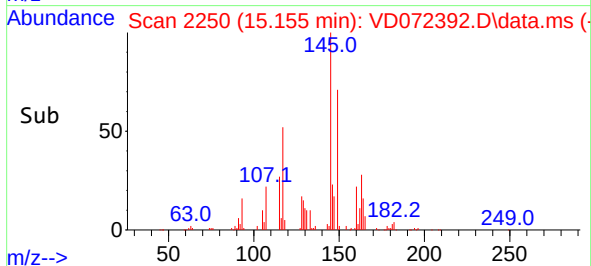
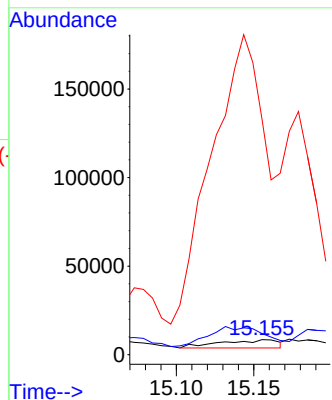
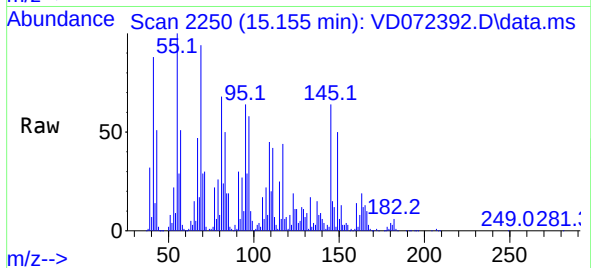
Tgt Ion:180 Resp: 12224

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

145 0.0 16.2 48.5#



#95

Naphthalene

Concen: 2.007 ug/l

RT: 15.349 min Scan# 2283

Delta R.T. -0.035 min

Lab File: VD072392.D

Acq: 23 Mar 2022 19:05

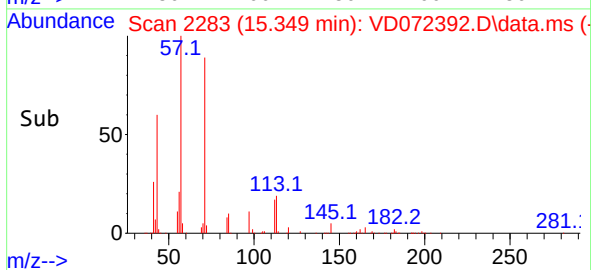
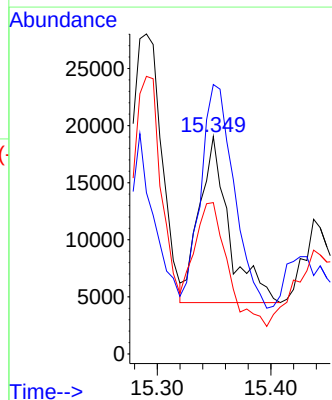
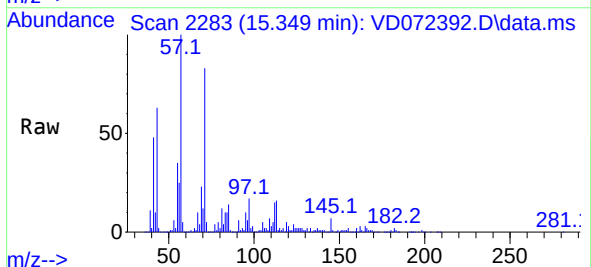
Tgt Ion:128 Resp: 26543

Ion Ratio Lower Upper

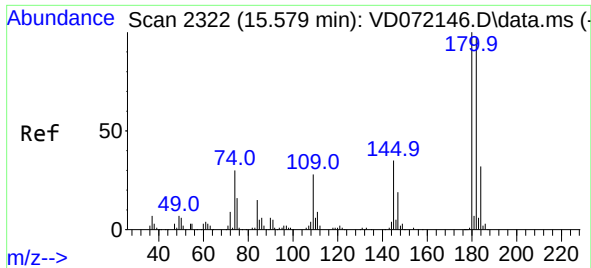
128 100

127 151.0 10.3 15.5#

129 84.5 8.4 12.6#

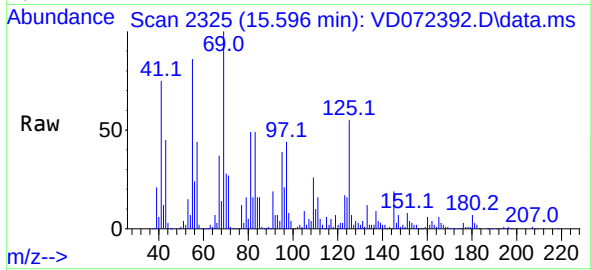






#96  
1,2,3-Trichlorobenzene  
Concen: 2.315 ug/l  
RT: 15.596 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: VD072392.D  
Acq: 23 Mar 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion:180 Resp: 15376  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.6 142.9#  
145 0.0 17.1 51.3#

