

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020425\  
 Data File : VD080237.D  
 Acq On : 04 Feb 2025 15:25  
 Operator : RP/MD  
 Sample : Q1254-01  
 Misc : 4.94G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 05 00:41:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 05:44:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|----------|----------|
| -----                         |           |       |          |           |          |          |
| Internal Standards            |           |       |          |           |          |          |
| 1) Pentafluorobenzene         | 7.869     | 168   | 6283     | 50.000    | ug/l     | #-0.01   |
| 34) 1,4-Difluorobenzene       | 8.781     | 114   | 11010    | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.575    | 117   | 9652     | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 2889     | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |           |       |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.222     | 65    | 4471     | 54.705    | ug/l     | -0.01    |
| Spiked Amount 50.000          | Range 50  | - 163 | Recovery | =         | 109.400% |          |
| 35) Dibromofluoromethane      | 7.804     | 113   | 4779     | 61.245    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 54  | - 147 | Recovery | =         | 122.480% |          |
| 50) Toluene-d8                | 10.263    | 98    | 11786    | 40.730    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 58  | - 134 | Recovery | =         | 81.460%  |          |
| 62) 4-Bromofluorobenzene      | 12.569    | 95    | 3332     | 35.886    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 30  | - 143 | Recovery | =         | 71.780%  |          |
| Target Compounds              |           |       |          |           |          |          |
|                               |           |       |          |           | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.958     | 85    | 56       | Below Cal | #        | 43       |
| 3) Chloromethane              | 2.152     | 50    | 826      | 6.311     | ug/l #   | 49       |
| 4) Vinyl Chloride             | 2.281     | 62    | 629      | 3.973     | ug/l #   | 1        |
| 5) Bromomethane               | 2.699     | 94    | 928      | 1.645     | ug/l #   | 77       |
| 6) Chloroethane               | 2.828     | 64    | 950      | 9.008     | ug/l #   | 45       |
| 8) Diethyl Ether              | 3.787     | 74    | 61       | 1.699     | ug/l     | 86       |
| 10) Methyl Iodide             | 4.181     | 142   | 1015     | 19.576    | ug/l #   | 61       |
| 11) Tert butyl alcohol        | 5.046     | 59    | 69       | 15.284    | ug/l #   | 1        |
| 12) 1,1-Dichloroethene        | 3.958     | 96    | 127      | 1.765     | ug/l #   | 1        |
| 13) Acrolein                  | 3.781     | 56    | 58       | 6.814     | ug/l #   | 5        |
| 15) Acrylonitrile             | 5.234     | 53    | 58       | 3.363     | ug/l #   | 17       |
| 16) Acetone                   | 4.016     | 43    | 434      | 32.949    | ug/l #   | 38       |
| 17) Carbon Disulfide          | 4.281     | 76    | 685      | 2.640     | ug/l #   | 76       |
| 18) Methyl Acetate            | 4.581     | 43    | 58       | 1.305     | ug/l #   | 51       |
| 23) Vinyl Acetate             | 6.157     | 43    | 149      | 1.118     | ug/l #   | 73       |
| 25) 2-Butanone                | 7.093     | 43    | 256      | 12.530    | ug/l #   | 50       |
| 29) Tetrahydrofuran           | 7.457     | 42    | 365      | 27.277    | ug/l #   | 34       |
| 31) Cyclohexane               | 7.869     | 56    | 398      | 3.287     | ug/l #   | 22       |
| 37) Ethyl Acetate             | 7.187     | 43    | 66       | 1.204     | ug/l #   | 68       |
| 41) Methacrylonitrile         | 7.410     | 41    | 140      | 4.641     | ug/l #   | 46       |
| 43) Isopropyl Acetate         | 8.387     | 43    | 135      | 1.388     | ug/l #   | 50       |
| 46) Dibromomethane            | 9.446     | 93    | 54       | 1.100     | ug/l #   | 4        |
| 48) Methyl methacrylate       | 9.375     | 41    | 177      | 3.932     | ug/l #   | 22       |
| 49) 1,4-Dioxane               | 9.493     | 88    | 60       | 112.347   | ug/l #   | 7        |
| 51) 4-Methyl-2-Pentanone      | 10.163    | 43    | 127      | 2.582     | ug/l     | 91       |
| 55) 1,1,2-Trichloroethane     | 10.728    | 97    | 64       | 1.003     | ug/l #   | 12       |
| 57) 1,3-Dichloropropane       | 10.793    | 76    | 107      | 1.014     | ug/l #   | 43       |
| 58) 2-Chloroethyl Vinyl ether | 9.798     | 63    | 95       | 3.058     | ug/l #   | 49       |
| 59) 2-Hexanone                | 10.922    | 43    | 167      | 5.174     | ug/l     | 84       |
| 60) Dibromochloromethane      | 10.810    | 129   | 117      | 1.488     | ug/l #   | 11       |
| 73) Isopropylbenzene          | 12.422    | 105   | 311      | 1.592     | ug/l #   | 49       |
| 74) N-amyl acetate            | 12.240    | 43    | 60       | 1.168     | ug/l #   | 1        |
| 75) 1,1,2,2-Tetrachloroethane | 12.875    | 83    | 57       | 1.402     | ug/l #   | 25       |
| 76) 1,2,3-Trichloropropane    | 12.569    | 75    | 1635     | 55.951    | ug/l #   | 100      |
| 79) 2-Chlorotoluene           | 12.845    | 91    | 167      | 1.182     | ug/l #   | 41       |
| 80) 1,3,5-Trimethylbenzene    | 12.892    | 105   | 210      | 1.285     | ug/l #   | 30       |

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Sample : Q1254-01  
Misc : 4.94G/5ml/MSVOA\_D/SOIL/B  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Feb 05 00:41:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020325S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 04 05:44:14 2025  
Response via : Initial Calibration

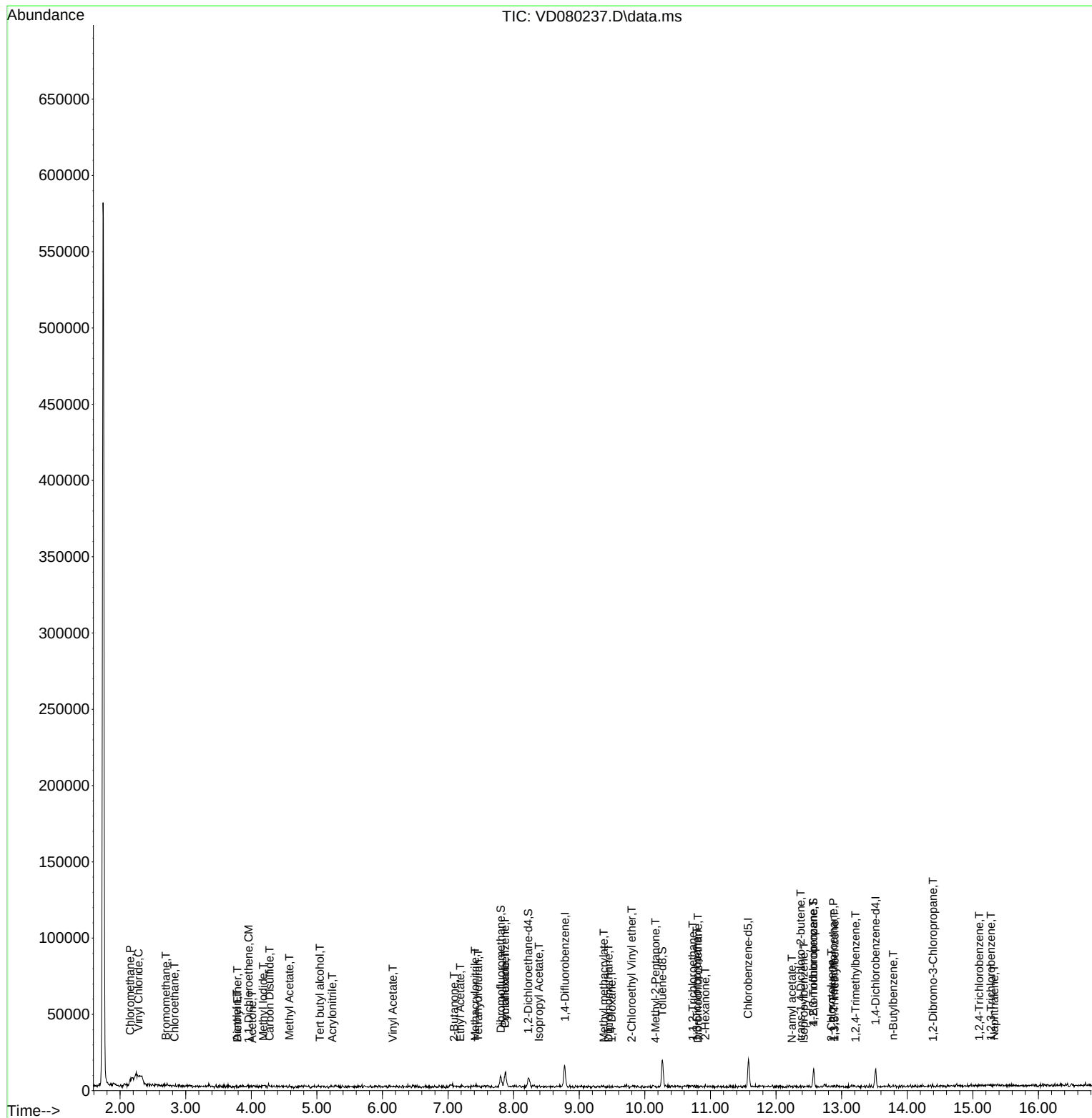
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 81) trans-1,4-Dichloro-2-b... | 12.375 | 75   | 68       | 4.758 | ug/l # | 15       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 227      | 1.365 | ug/l   | 88       |
| 89) n-Butylbenzene            | 13.787 | 91   | 533      | 3.145 | ug/l # | 55       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.392 | 75   | 53       | 8.192 | ug/l # | 3        |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 65       | 1.166 | ug/l # | 12       |
| 95) Naphthalene               | 15.328 | 128  | 759      | 8.658 | ug/l # | 35       |
| 96) 1,2,3-Trichlorobenzene    | 15.275 | 180  | 58       | 1.153 | ug/l # | 13       |

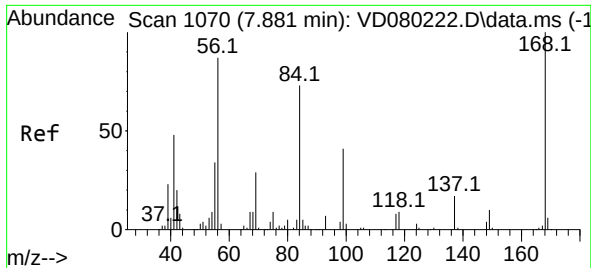
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 04 05:44:14 2025  
Response via : Initial Calibration

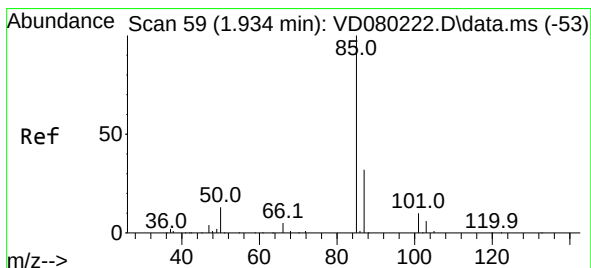
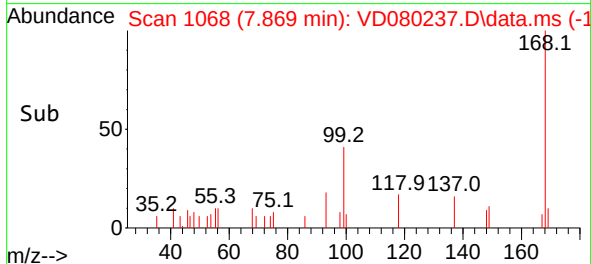
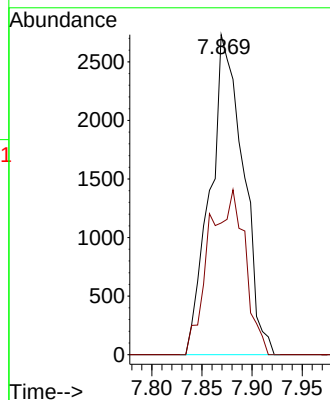
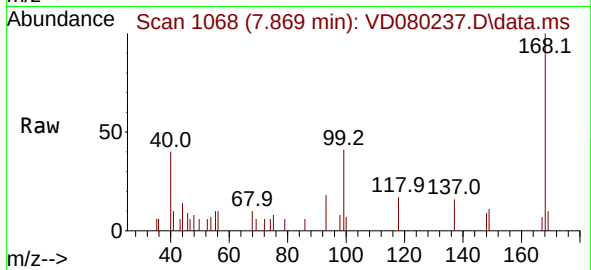




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 10  
Delta R.T. -0.012 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

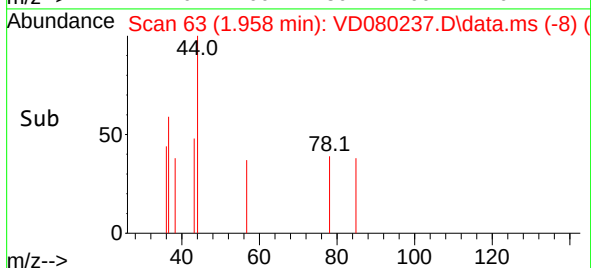
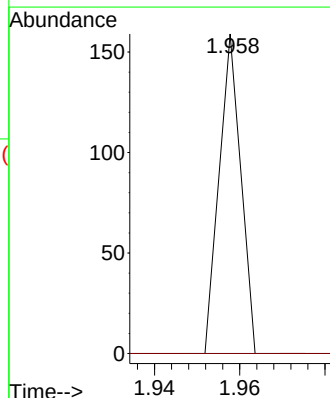
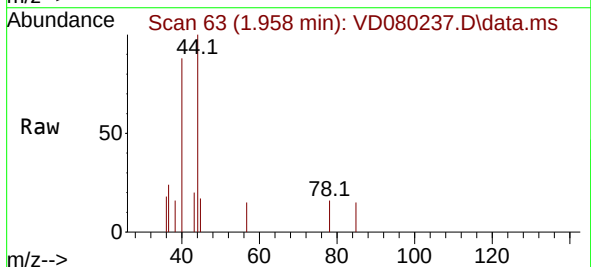
Instrument :  
MSVOA\_D  
ClientSampleId :

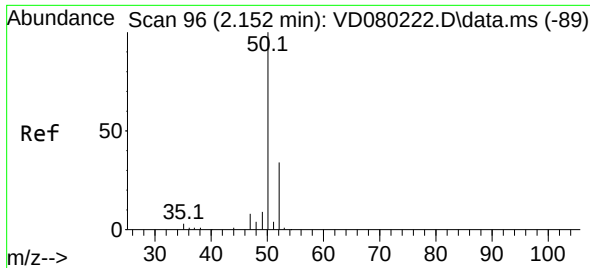
Tgt Ion:168 Resp: 6283  
Ion Ratio Lower Upper  
168 100  
99 41.1 44.4 66.6#



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.958 min Scan# 63  
Delta R.T. 0.024 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 85 Resp: 56  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 47.9#

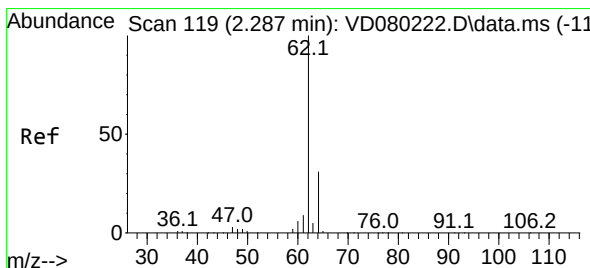
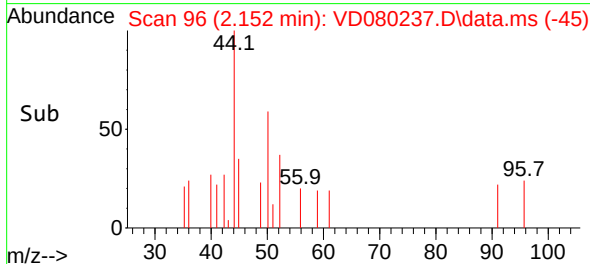
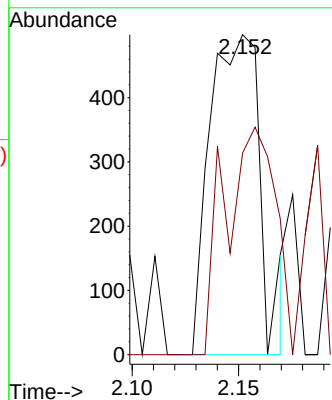
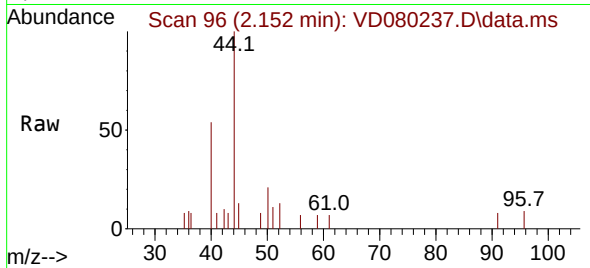




#3  
Chloromethane  
Concen: 6.311 ug/l  
RT: 2.152 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

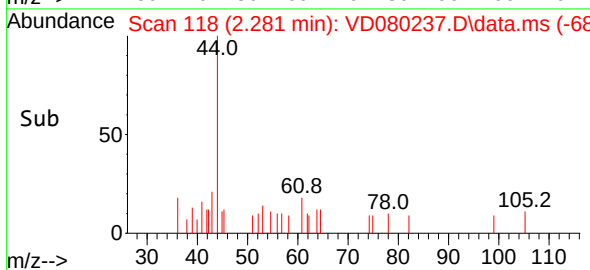
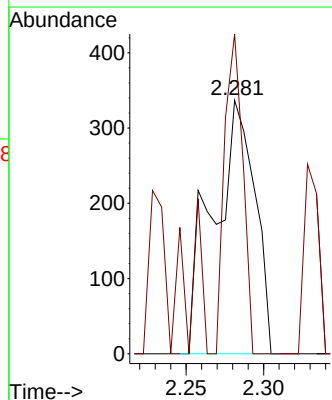
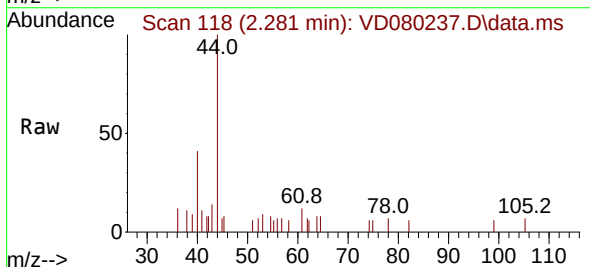
Instrument :  
MSVOA\_D  
ClientSampleId :

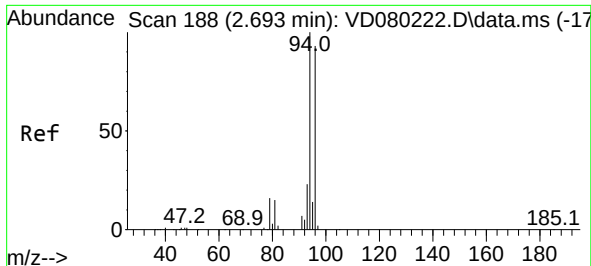
Tgt Ion: 50 Resp: 826  
Ion Ratio Lower Upper  
50 100  
52 63.1 27.2 40.8#



#4  
Vinyl Chloride  
Concen: 3.973 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 62 Resp: 629  
Ion Ratio Lower Upper  
62 100  
64 126.1 24.8 37.2#

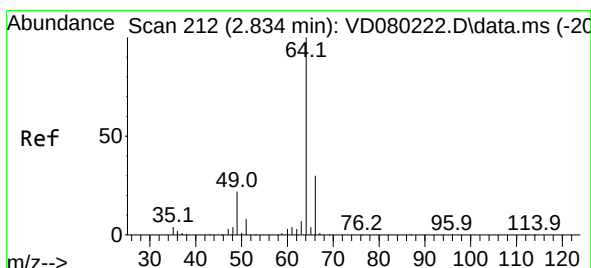
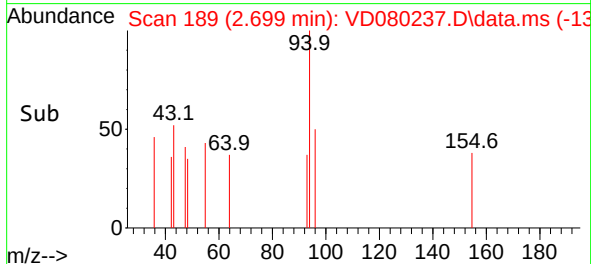
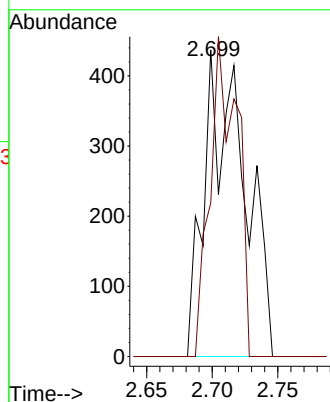
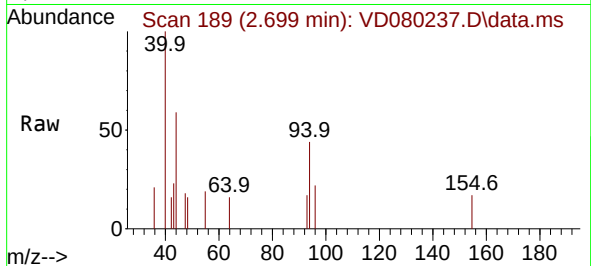




#5  
Bromomethane  
Concen: 1.645 ug/l  
RT: 2.699 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

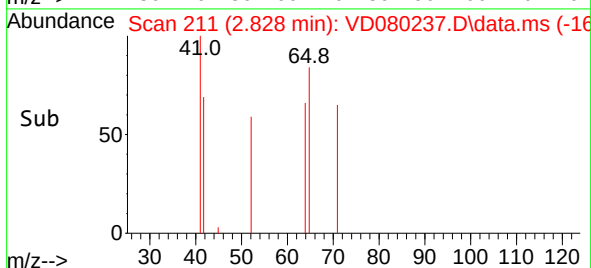
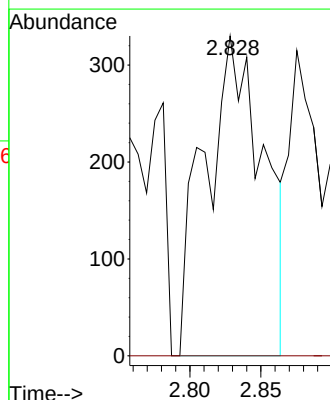
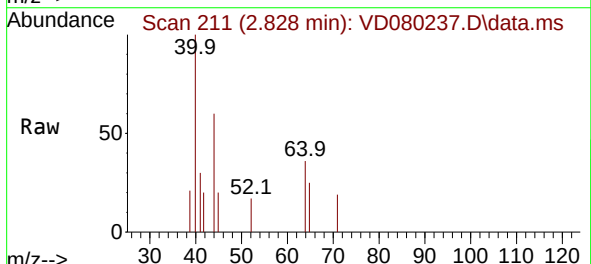
Instrument :  
MSVOA\_D  
ClientSampleId :

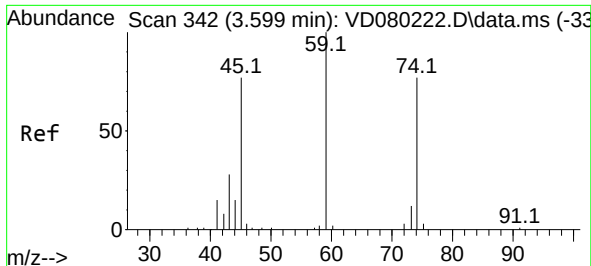
Tgt Ion: 94 Resp: 928  
Ion Ratio Lower Upper  
94 100  
96 70.9 74.4 111.6#



#6  
Chloroethane  
Concen: 9.008 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 64 Resp: 950  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.8 35.8#

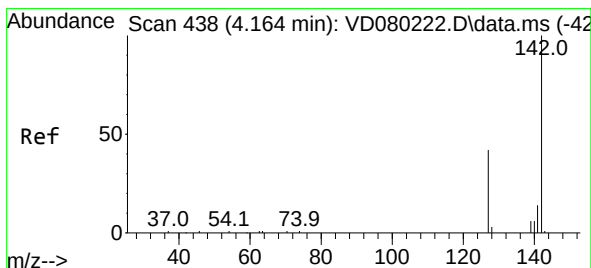
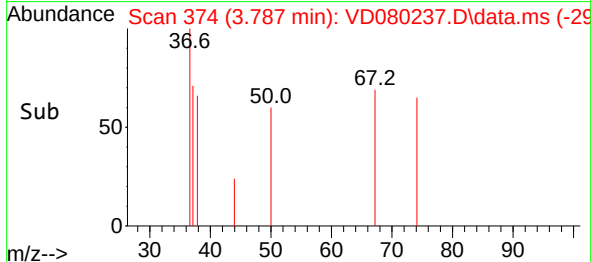
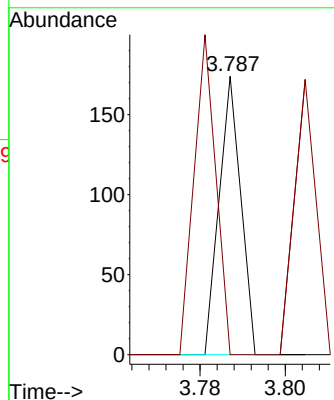
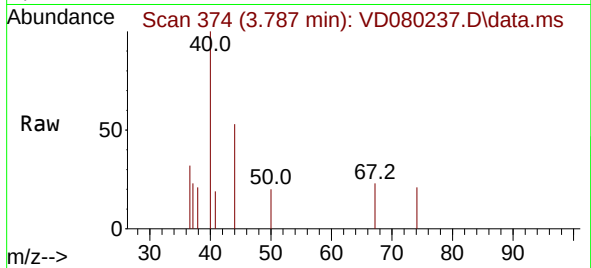




#8  
Diethyl Ether  
Concen: 1.699 ug/l  
RT: 3.787 min Scan# 31  
Delta R.T. 0.188 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

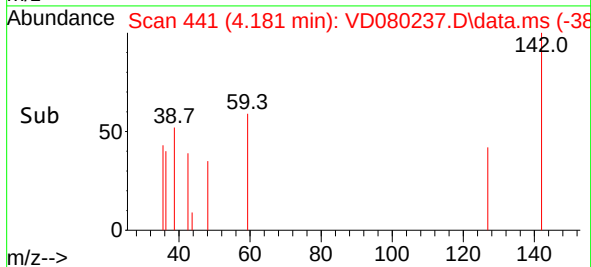
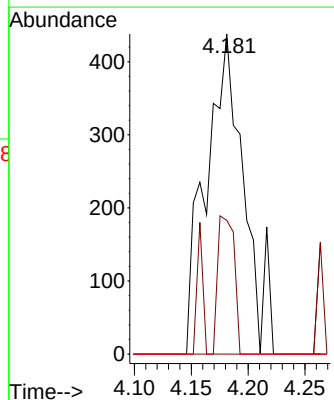
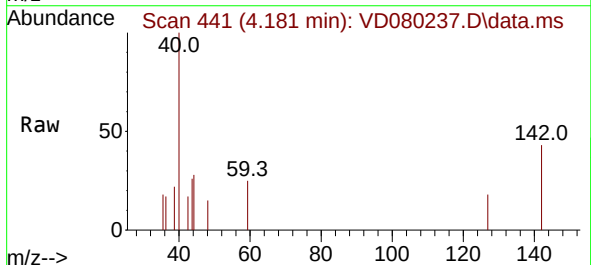
Instrument :  
MSVOA\_D  
ClientSampleId :

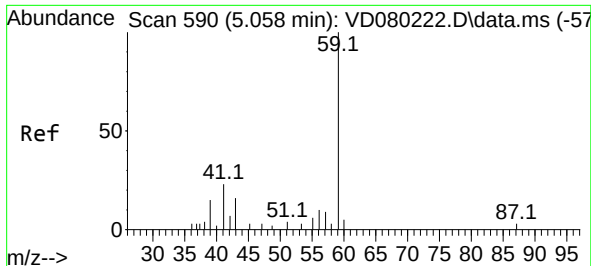
Tgt Ion: 74 Resp: 61  
Ion Ratio Lower Upper  
74 100  
45 116.4 51.0 153.1



#10  
Methyl Iodide  
Concen: 19.576 ug/l  
RT: 4.181 min Scan# 441  
Delta R.T. 0.017 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 142 Resp: 1015  
Ion Ratio Lower Upper  
142 100  
127 18.7 35.4 53.2#  
141 0.0 12.6 18.8#





#11

Tert butyl alcohol

Concen: 15.284 ug/l

RT: 5.046 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

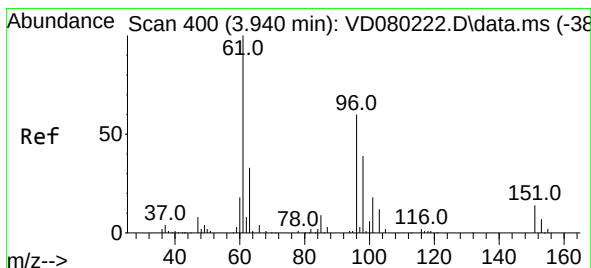
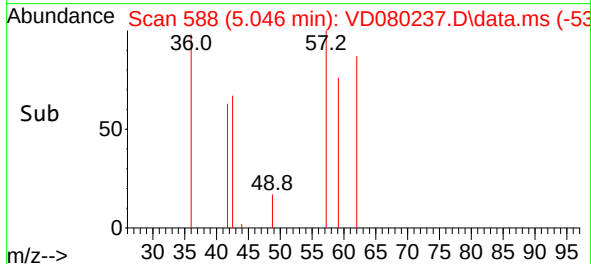
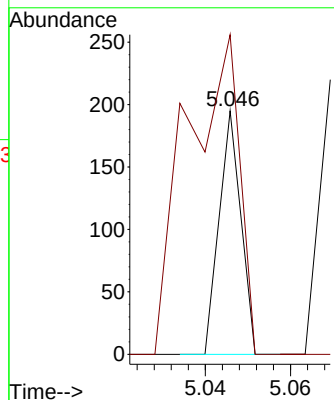
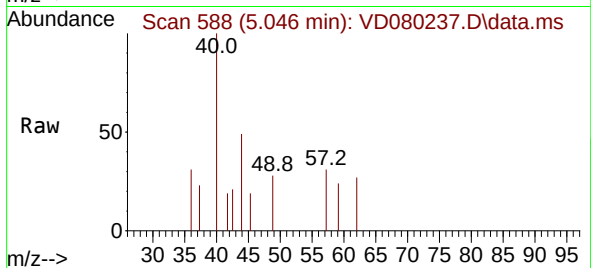
ClientSampleId :

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 315.9 7.2 10.8#



#12

1,1-Dichloroethene

Concen: 1.765 ug/l

RT: 3.958 min Scan# 403

Delta R.T. 0.018 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

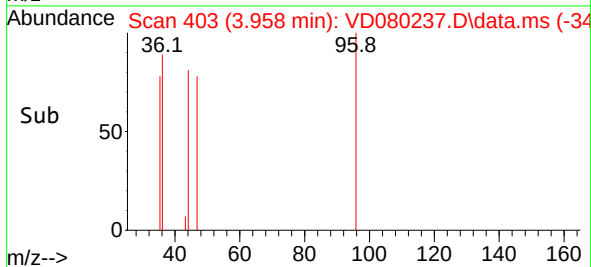
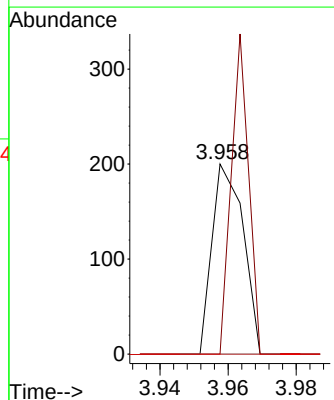
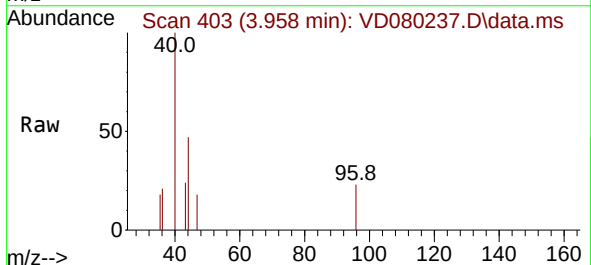
Tgt Ion: 96 Resp: 127

Ion Ratio Lower Upper

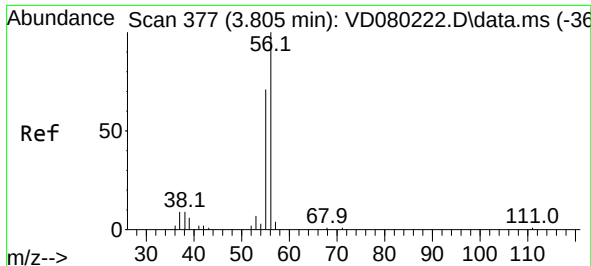
96 100

61 0.0 133.8 200.6#

98 0.0 52.2 78.2#

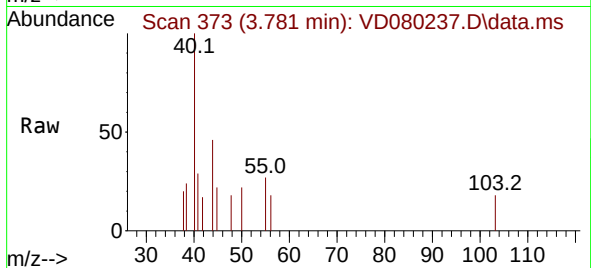




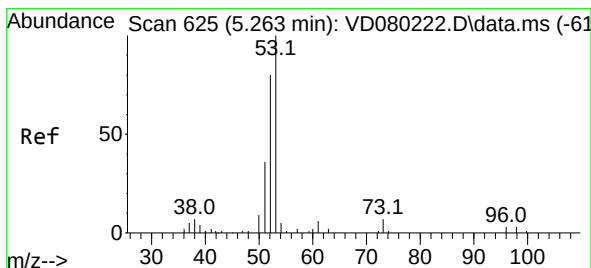
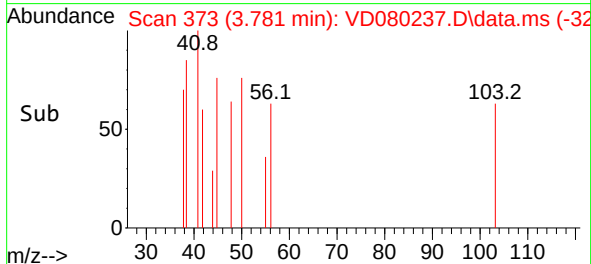
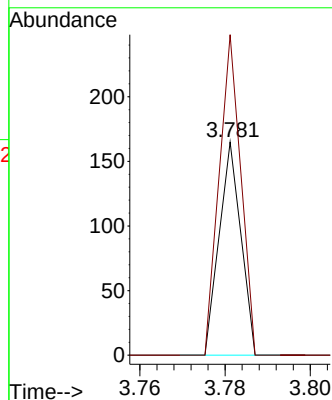


#13  
Acrolein  
Concen: 6.814 ug/l  
RT: 3.781 min Scan# 31  
Delta R.T. -0.024 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Instrument :  
MSVOA\_D  
ClientSampleId :

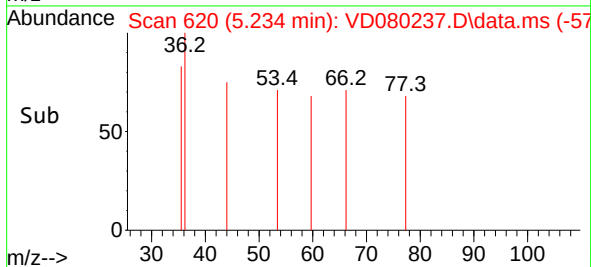
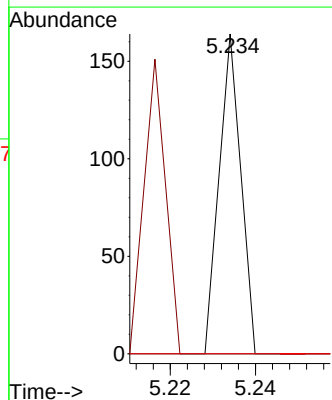
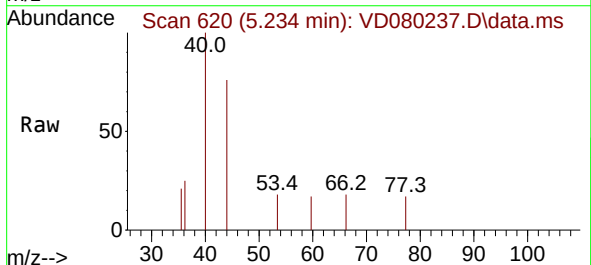


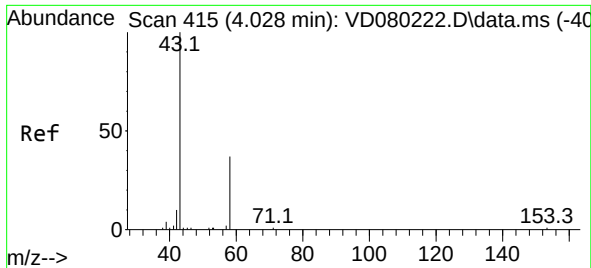
Tgt Ion: 56 Resp: 58  
Ion Ratio Lower Upper  
56 100  
55 151.7 57.8 86.8#



#15  
Acrylonitrile  
Concen: 3.363 ug/l  
RT: 5.234 min Scan# 620  
Delta R.T. -0.029 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

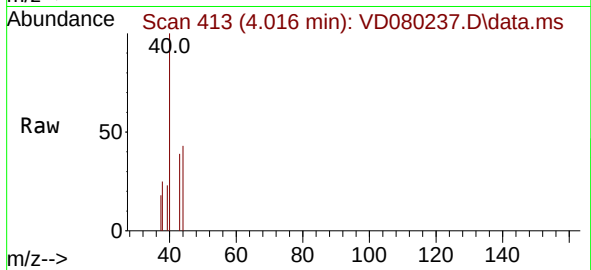
Tgt Ion: 53 Resp: 58  
Ion Ratio Lower Upper  
53 100  
52 0.0 65.9 98.9#  
51 0.0 30.1 45.1#



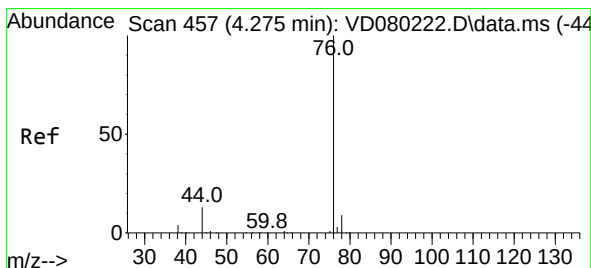
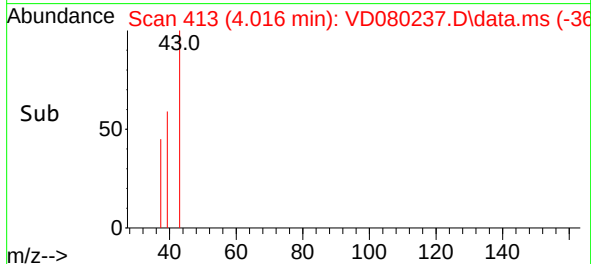
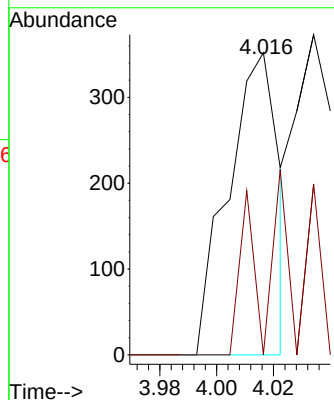


#16  
Acetone  
Concen: 32.949 ug/l  
RT: 4.016 min Scan# 415  
Delta R.T. -0.012 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Instrument :  
MSVOA\_D  
ClientSampleId :

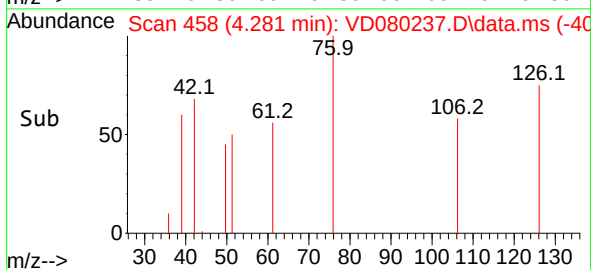
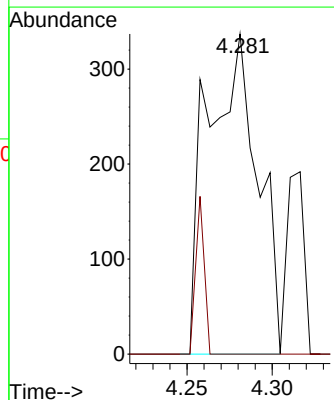
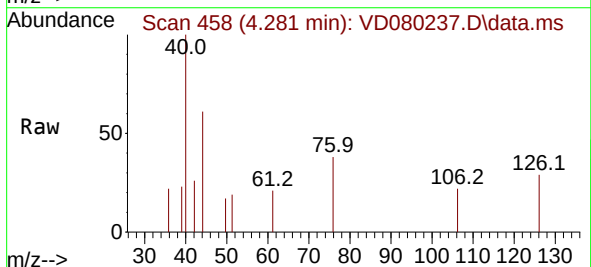


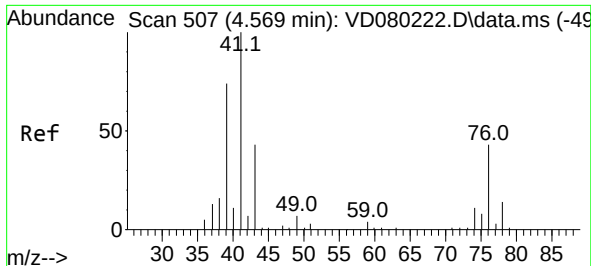
Tgt Ion: 43 Resp: 434  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.5 44.3#



#17  
Carbon Disulfide  
Concen: 2.640 ug/l  
RT: 4.281 min Scan# 458  
Delta R.T. 0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 76 Resp: 685  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#

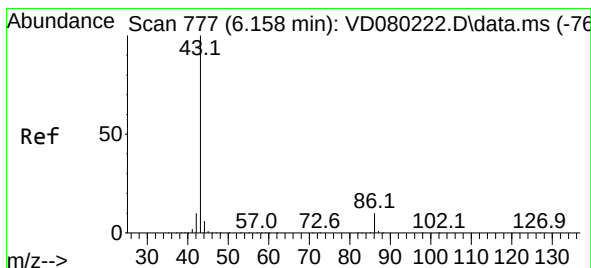
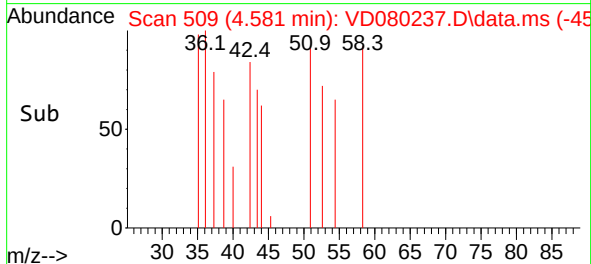
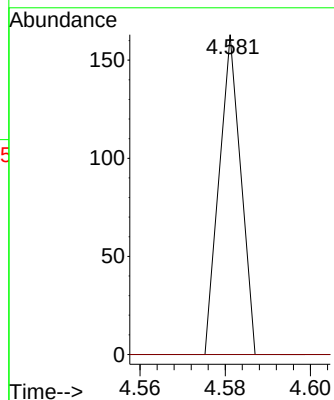
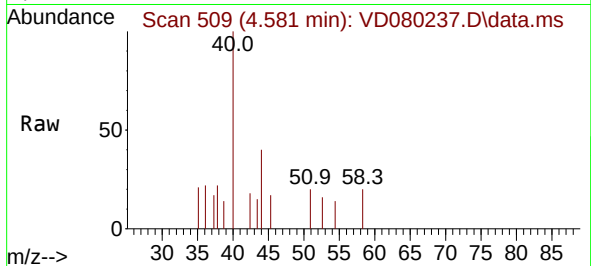




#18  
Methyl Acetate  
Concen: 1.305 ug/l  
RT: 4.581 min Scan# 509  
Delta R.T. 0.012 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

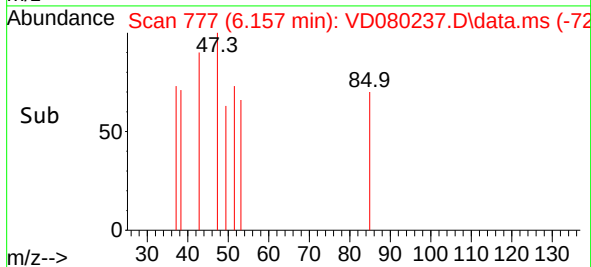
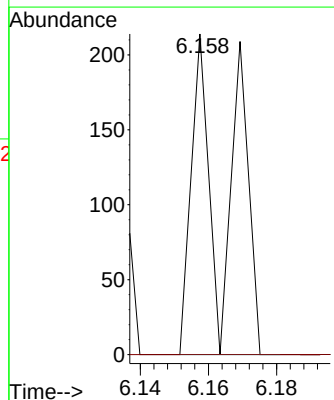
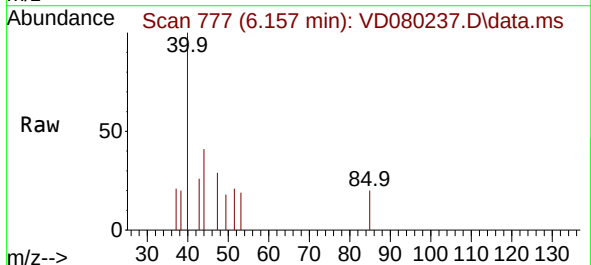
Instrument :  
MSVOA\_D  
ClientSampleId :

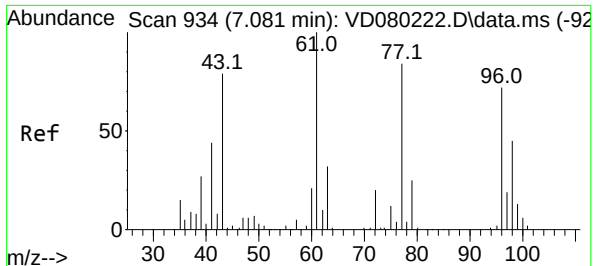
Tgt Ion: 43 Resp: 58  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.4 29.2#



#23  
Vinyl Acetate  
Concen: 1.118 ug/l  
RT: 6.157 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 43 Resp: 149  
Ion Ratio Lower Upper  
43 100  
86 0.0 8.1 12.1#

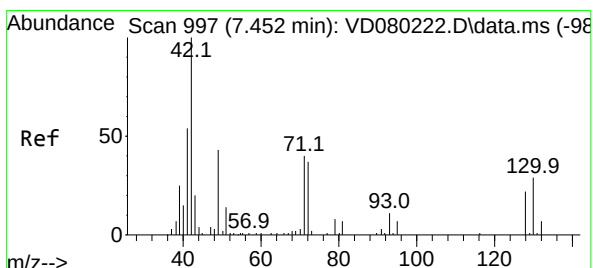
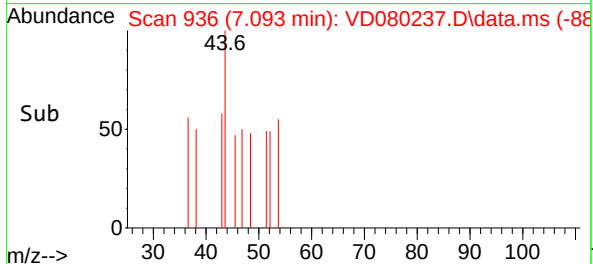
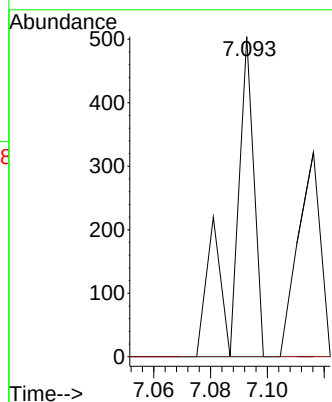
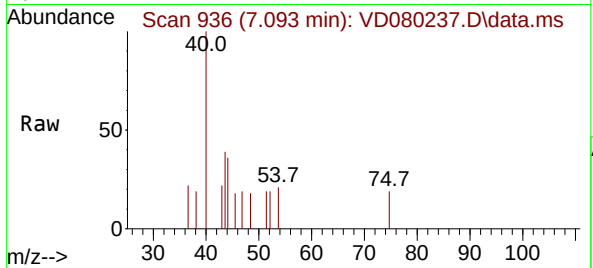




#25  
2-Butanone  
Concen: 12.530 ug/l  
RT: 7.093 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

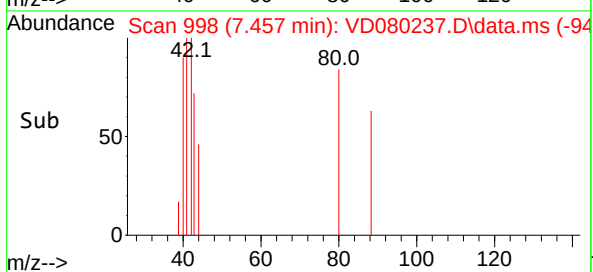
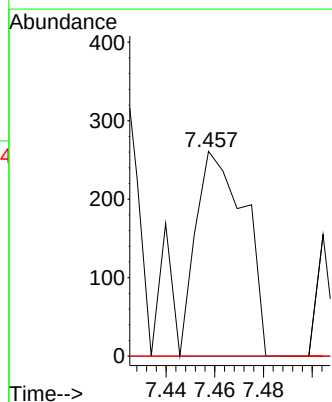
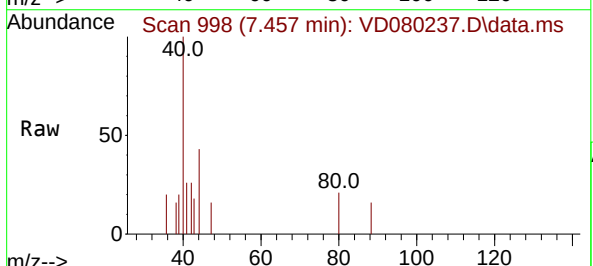
Instrument :  
MSVOA\_D  
ClientSampleId :

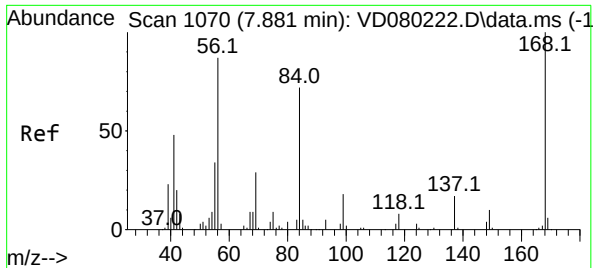
Tgt Ion: 43 Resp: 256  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.9 29.9#



#29  
Tetrahydrofuran  
Concen: 27.277 ug/l  
RT: 7.457 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 42 Resp: 365  
Ion Ratio Lower Upper  
42 100  
72 0.0 33.5 50.3#  
71 0.0 32.9 49.3#





#31

Cyclohexane

Concen: 3.287 ug/l

RT: 7.869 min Scan# 1108

Delta R.T. -0.012 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

ClientSampleId :

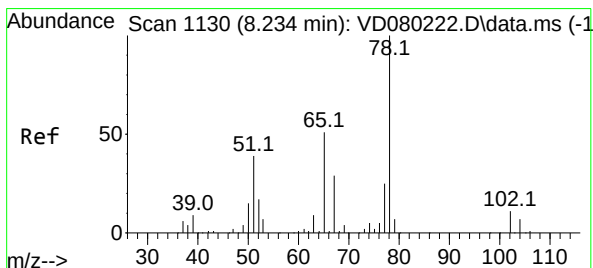
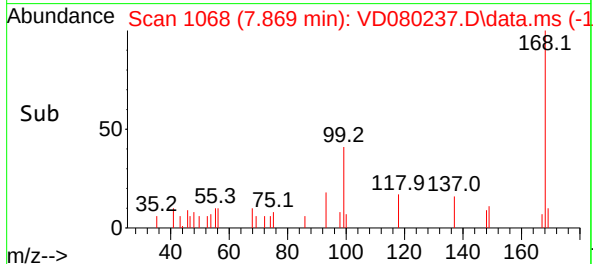
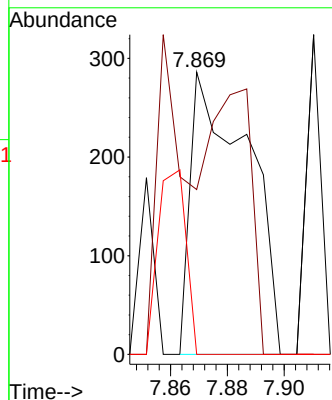
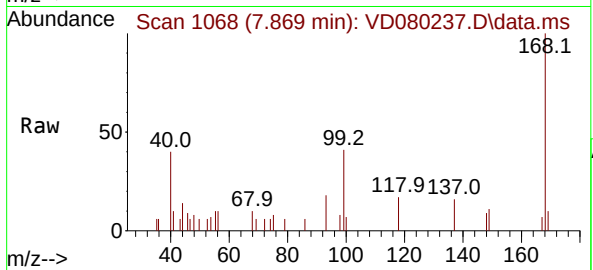
Tgt Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

69 58.4 27.0 40.4#

84 0.0 66.3 99.5#



#33

1,2-Dichloroethane-d4

Concen: 54.705 ug/l

RT: 8.222 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VD080237.D

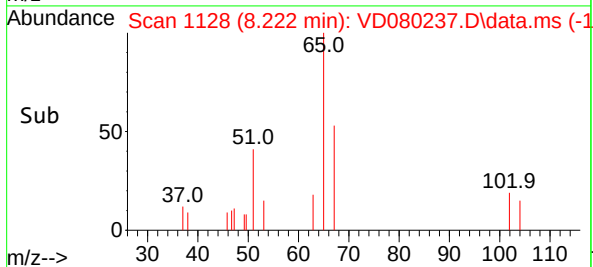
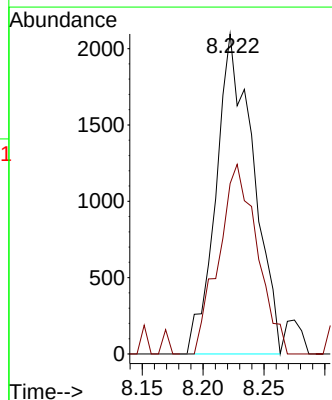
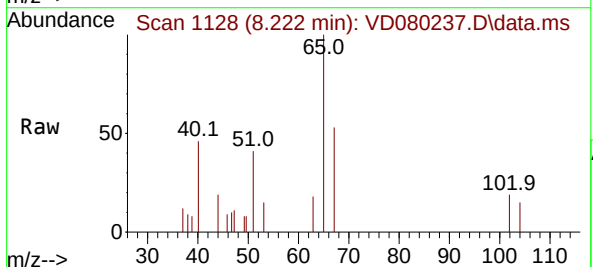
Acq: 04 Feb 2025 15:25

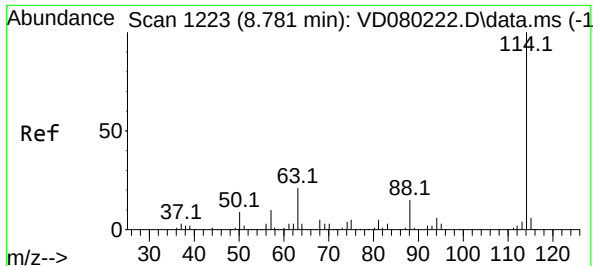
Tgt Ion: 65 Resp: 4471

Ion Ratio Lower Upper

65 100

67 61.1 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD080237.D

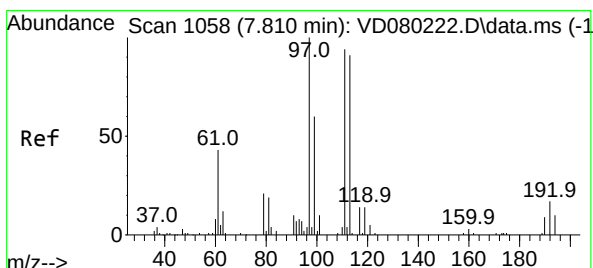
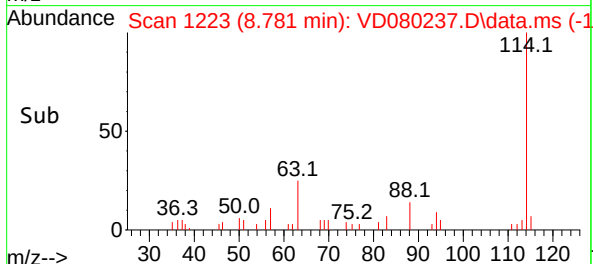
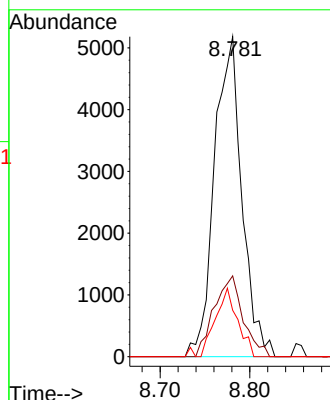
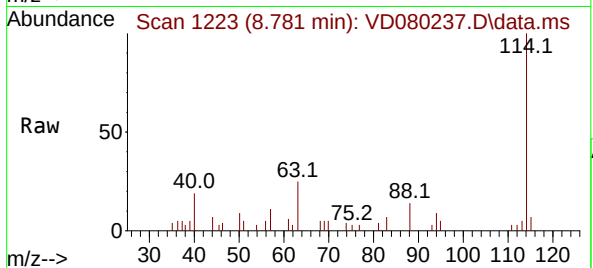
Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 11010       |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 25.3  | 0.0 41.8    |
| 88          | 14.5  | 0.0 30.4    |



#35

Dibromofluoromethane

Concen: 61.245 ug/l

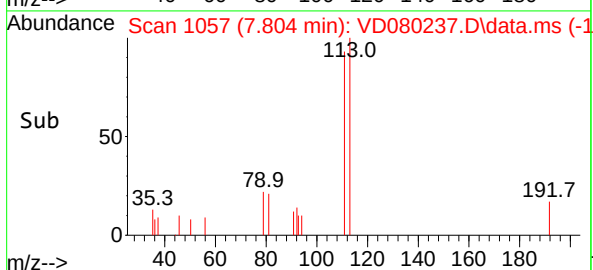
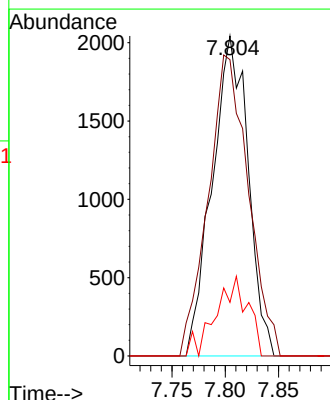
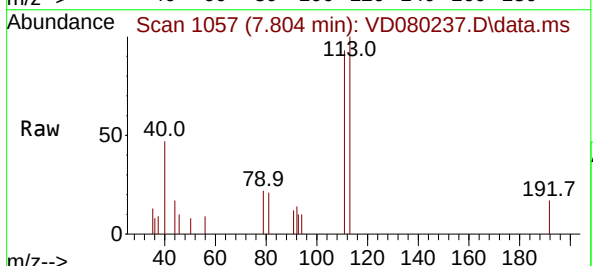
RT: 7.804 min Scan# 1057

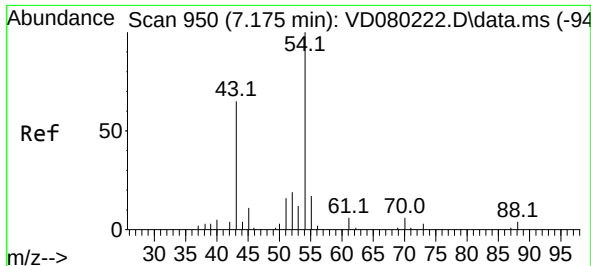
Delta R.T. -0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 4779        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 104.8 | 85.0 127.4  |
| 192         | 22.1  | 15.5 23.3   |





#37

Ethyl Acetate

Concen: 1.204 ug/l

RT: 7.187 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

ClientSampleId :

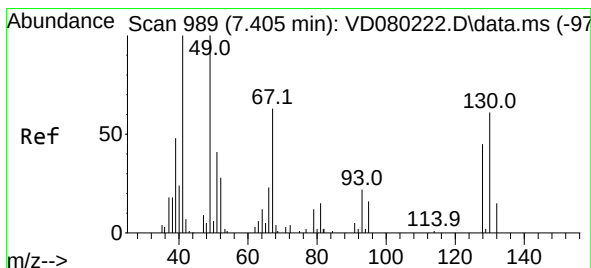
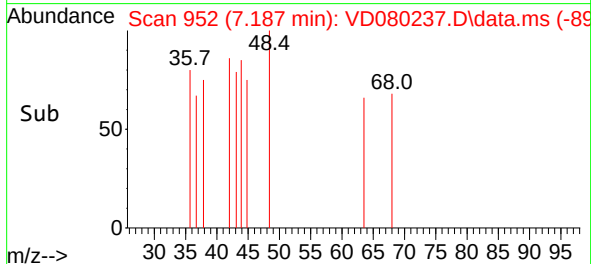
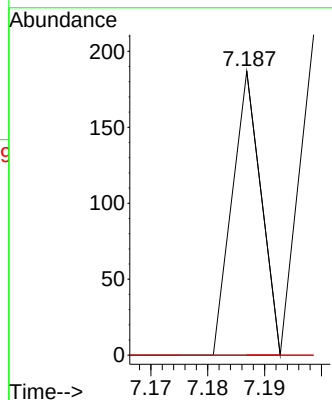
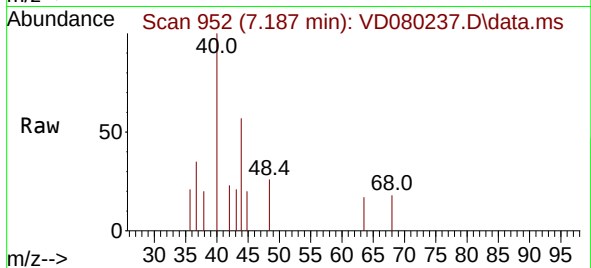
Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.2 12.2#



#41

Methacrylonitrile

Concen: 4.641 ug/l

RT: 7.410 min Scan# 990

Delta R.T. 0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Tgt Ion: 41 Resp: 140

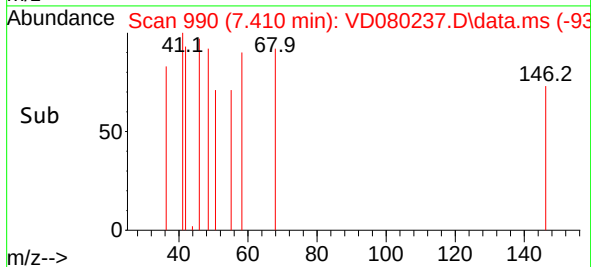
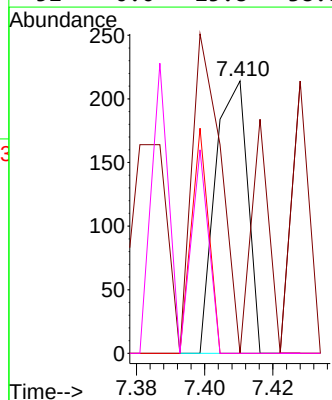
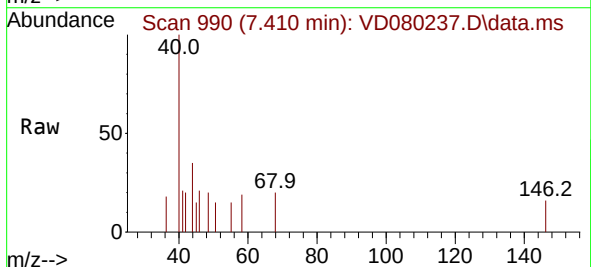
Ion Ratio Lower Upper

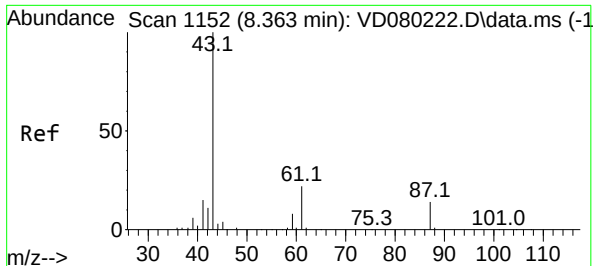
41 100

39 46.4 44.7 67.1

67 0.0 55.0 82.4#

52 0.0 25.8 38.8#

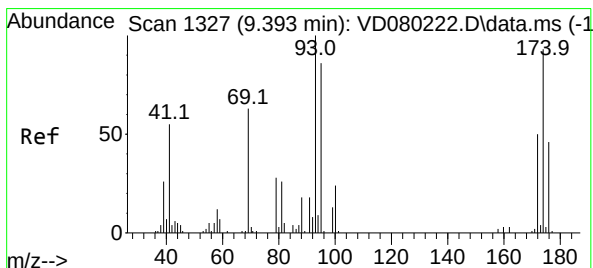
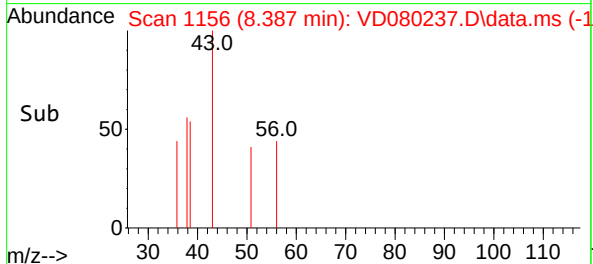
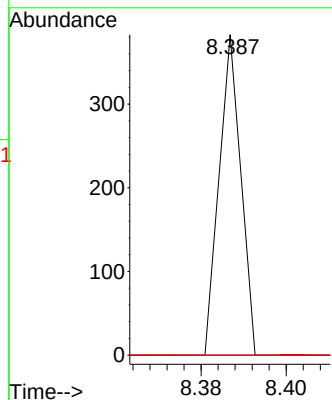
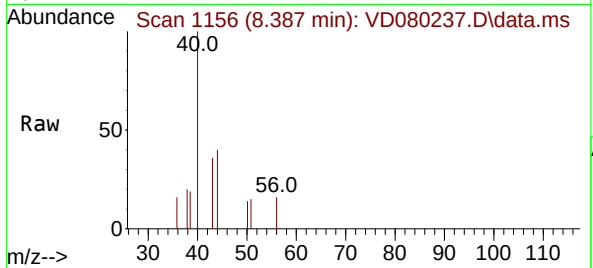




#43  
Isopropyl Acetate  
Concen: 1.388 ug/l  
RT: 8.387 min Scan# 1156  
Delta R.T. 0.023 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

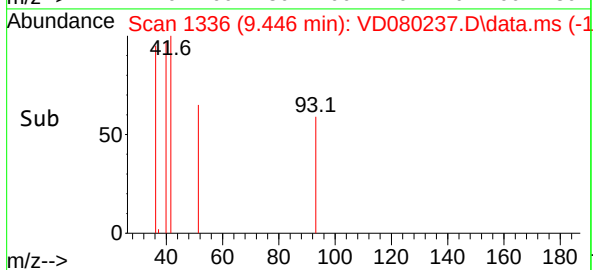
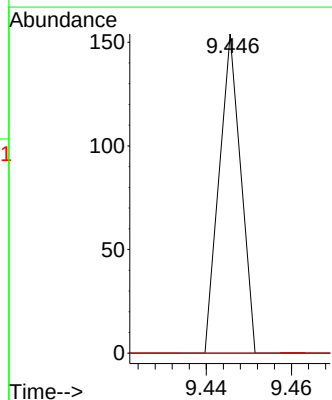
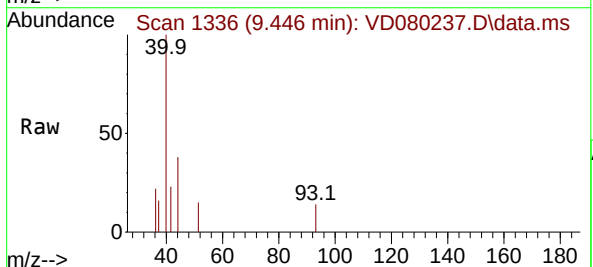
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 135  
Ion Ratio Lower Upper  
43 100  
61 0.0 25.0 37.4#  
87 0.0 10.7 16.1#

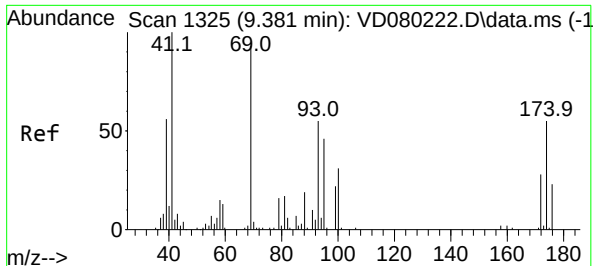


#46  
Dibromomethane  
Concen: 1.100 ug/l  
RT: 9.446 min Scan# 1336  
Delta R.T. 0.053 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 93 Resp: 54  
Ion Ratio Lower Upper  
93 100  
95 0.0 66.8 100.2#  
174 0.0 76.8 115.2#







#48

Methyl methacrylate

Concen: 3.932 ug/l

RT: 9.375 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

ClientSampleId :

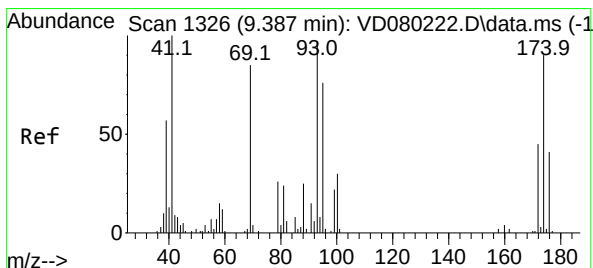
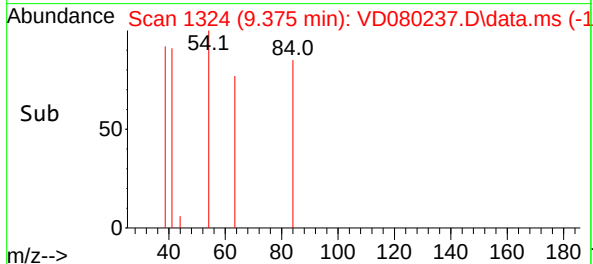
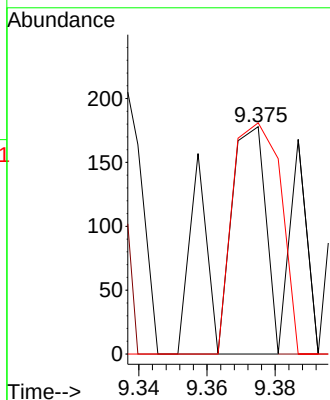
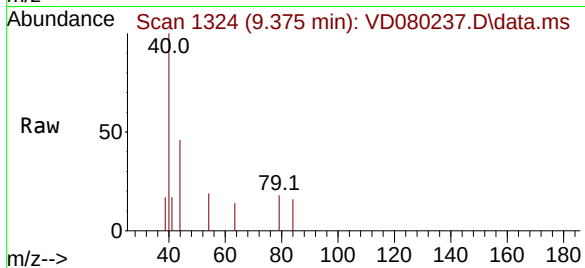
Tgt Ion: 41 Resp: 177

Ion Ratio Lower Upper

41 100

69 0.0 73.7 110.5#

39 100.0 49.4 74.2#



#49

1,4-Dioxane

Concen: 112.347 ug/l

RT: 9.493 min Scan# 1344

Delta R.T. 0.106 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

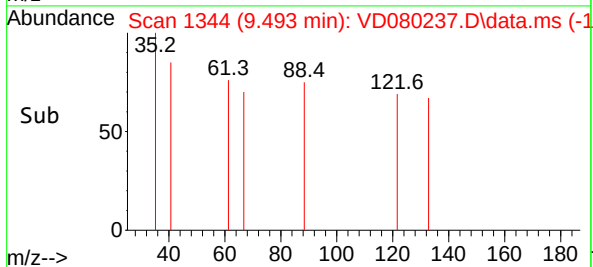
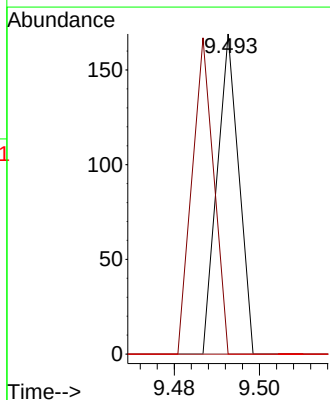
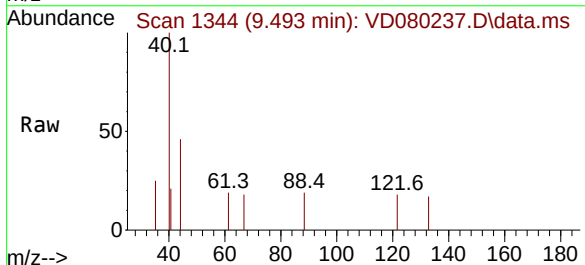
Tgt Ion: 88 Resp: 60

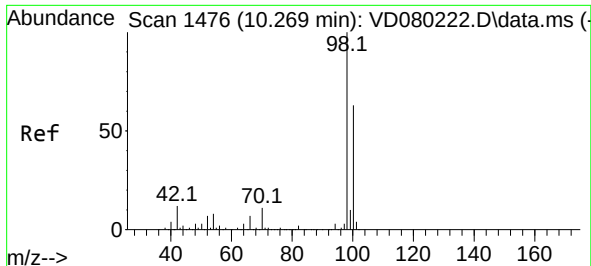
Ion Ratio Lower Upper

88 100

43 98.3 28.5 42.7#

58 0.0 56.3 84.5#

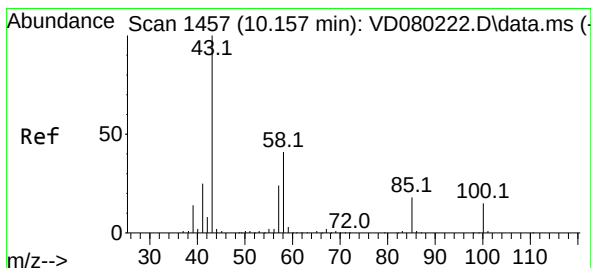
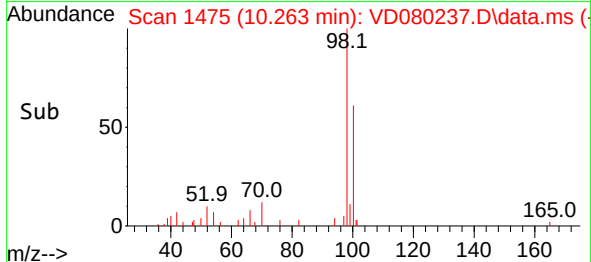
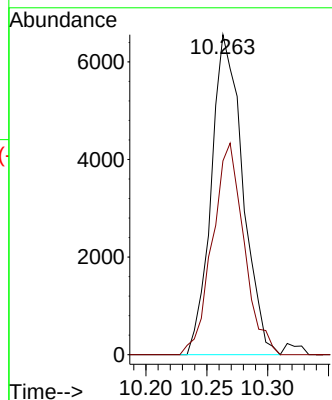
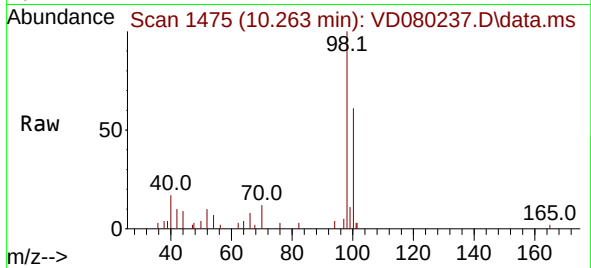




#50  
Toluene-d8  
Concen: 40.730 ug/l  
RT: 10.263 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

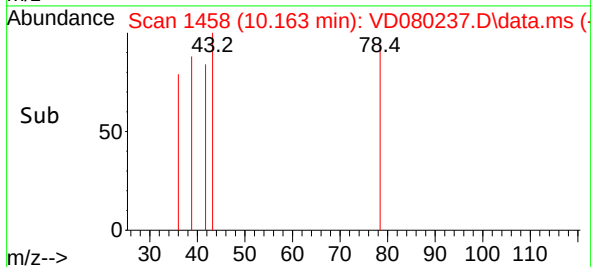
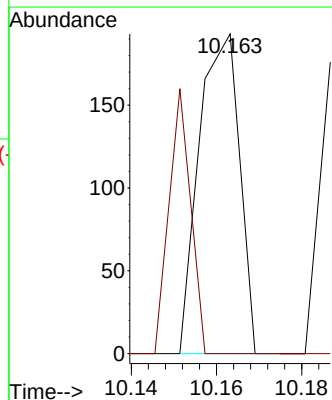
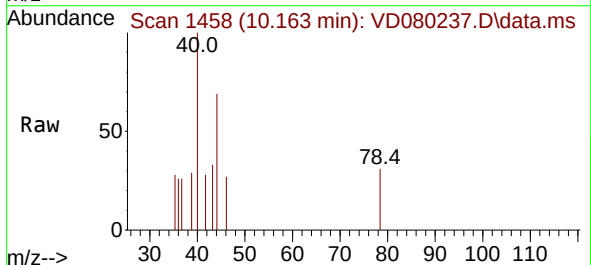
Instrument :  
MSVOA\_D  
ClientSampleId :

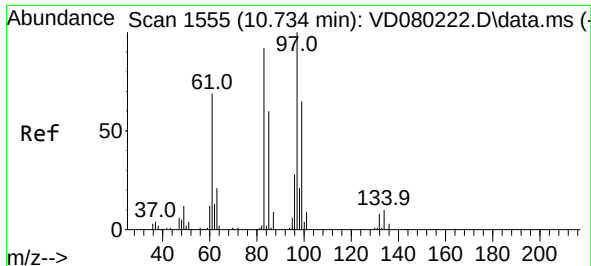
Tgt Ion: 98 Resp: 11786  
Ion Ratio Lower Upper  
98 100  
100 66.3 50.2 75.4



#51  
4-Methyl-2-Pentanone  
Concen: 2.582 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

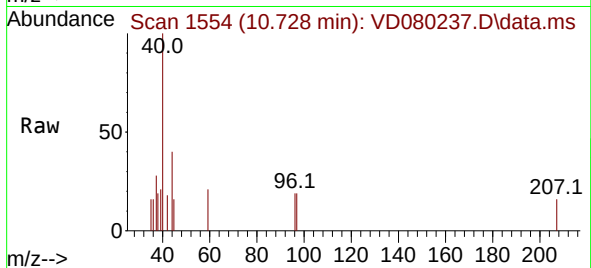
Tgt Ion: 43 Resp: 127  
Ion Ratio Lower Upper  
43 100  
58 44.1 31.1 46.7



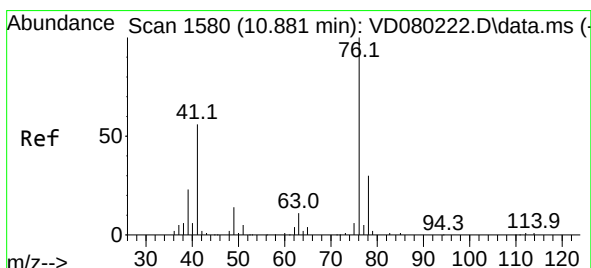
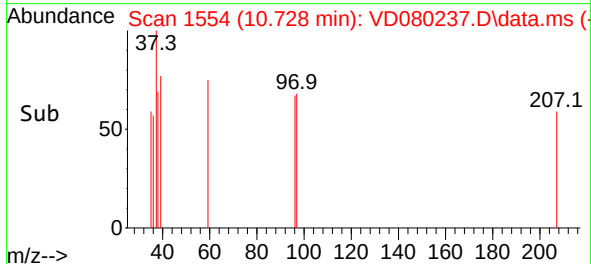
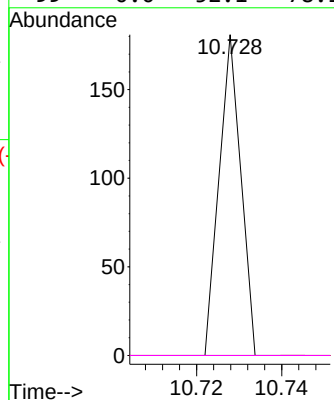


#55  
 1,1,2-Trichloroethane  
 Concen: 1.003 ug/l  
 RT: 10.728 min Scan# 1554  
 Delta R.T. -0.006 min  
 Lab File: VD080237.D  
 Acq: 04 Feb 2025 15:25

Instrument : MSVOA\_D  
 ClientSampleId :

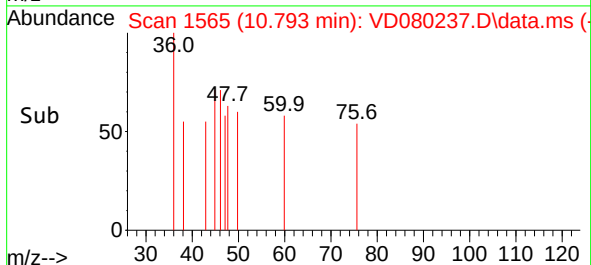
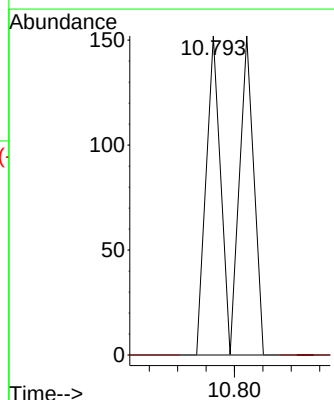
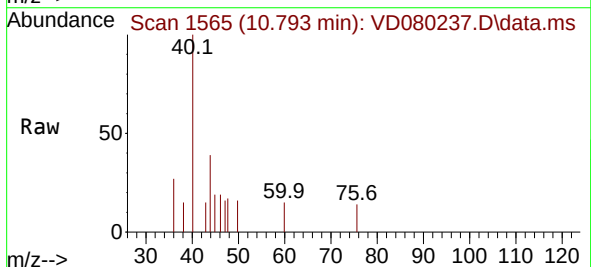


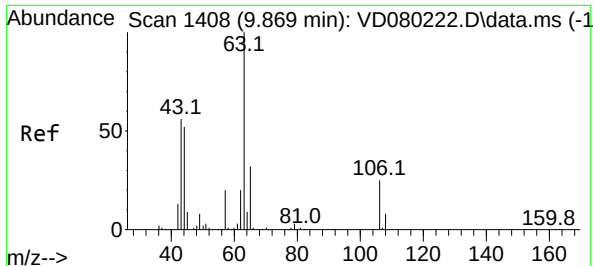
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 64    |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 0.0      | 73.9 110.9# |
| 85 0.0      | 48.2 72.2#  |
| 99 0.0      | 52.1 78.1#  |



#57  
 1,3-Dichloropropane  
 Concen: 1.014 ug/l  
 RT: 10.793 min Scan# 1565  
 Delta R.T. -0.088 min  
 Lab File: VD080237.D  
 Acq: 04 Feb 2025 15:25

|             |           |       |  |
|-------------|-----------|-------|--|
| Tgt Ion: 76 | Resp: 107 |       |  |
| Ion Ratio   | Lower     | Upper |  |
| 76 100      |           |       |  |
| 78 0.0      | 25.0      | 37.4# |  |

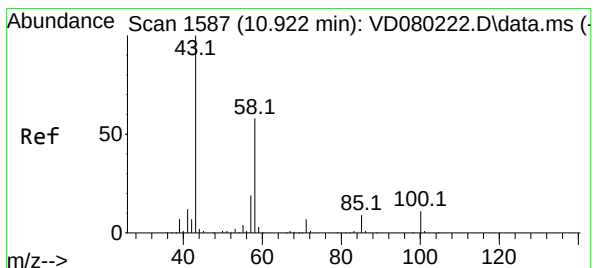
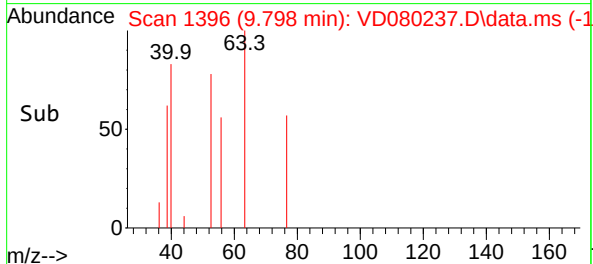
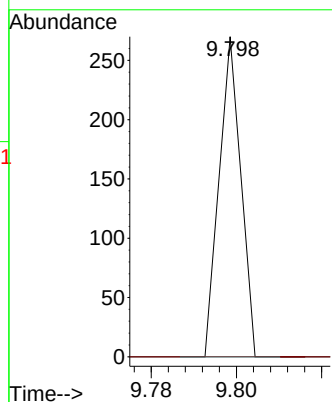
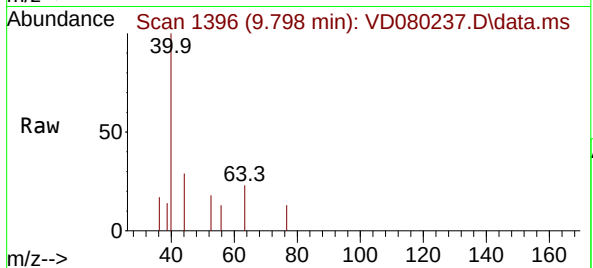




#58  
2-Chloroethyl Vinyl ether  
Concen: 3.058 ug/l  
RT: 9.798 min Scan# 11  
Delta R.T. -0.071 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

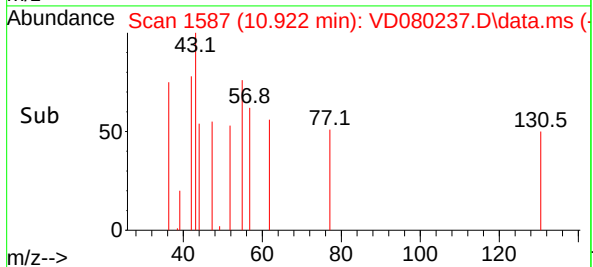
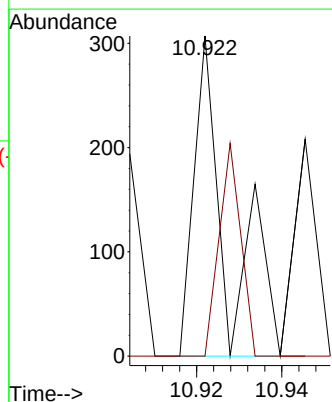
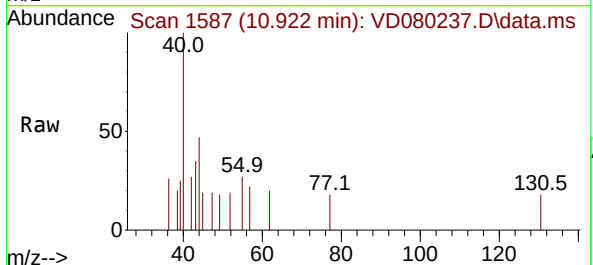
Instrument :  
MSVOA\_D  
ClientSampleId :

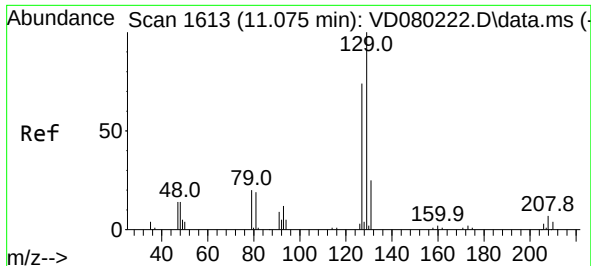
Tgt Ion: 63 Resp: 95  
Ion Ratio Lower Upper  
63 100  
106 0.0 20.6 30.8#



#59  
2-Hexanone  
Concen: 5.174 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 43 Resp: 167  
Ion Ratio Lower Upper  
43 100  
58 43.1 27.4 82.2

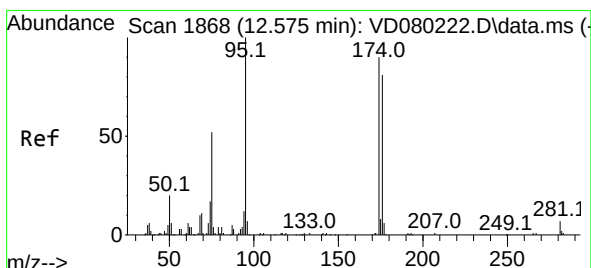
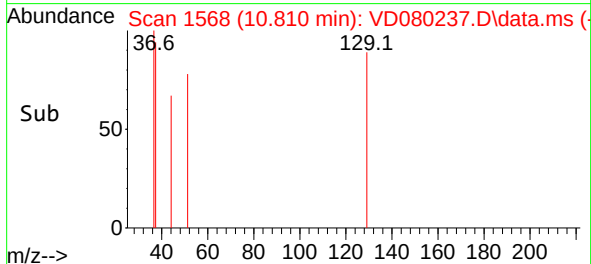
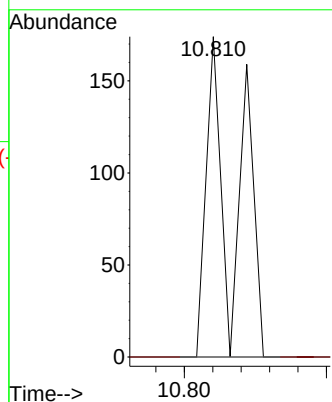
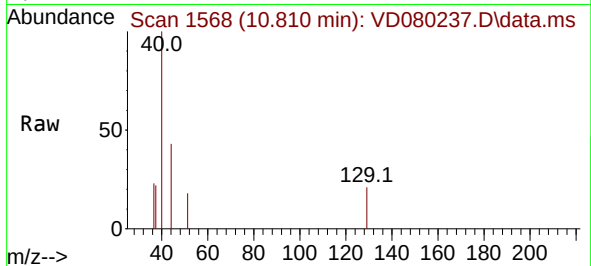




#60  
Dibromochloromethane  
Concen: 1.488 ug/l  
RT: 10.810 min Scan# 11  
Delta R.T. -0.265 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

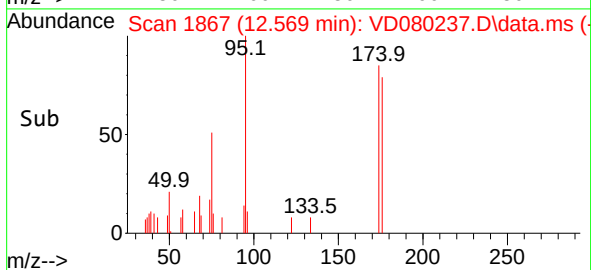
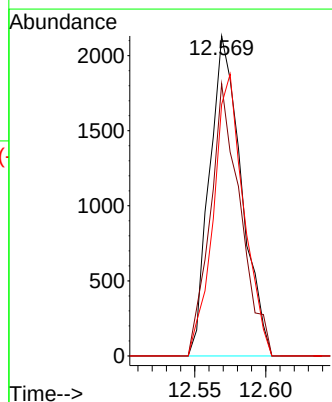
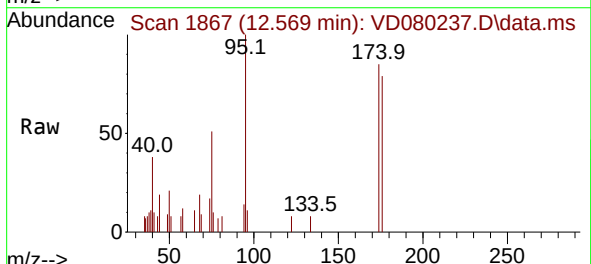
Instrument :  
MSVOA\_D  
ClientSampleId :

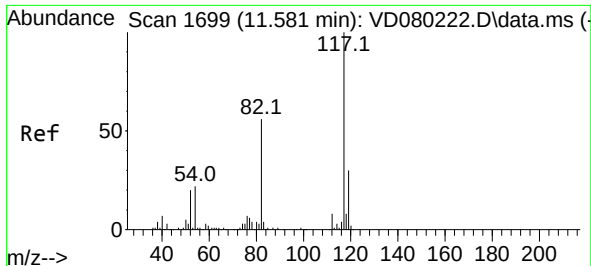
Tgt Ion:129 Resp: 117  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.1 114.5#



#62  
4-Bromofluorobenzene  
Concen: 35.886 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 95 Resp: 3332  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 171.8  
176 83.7 0.0 159.6

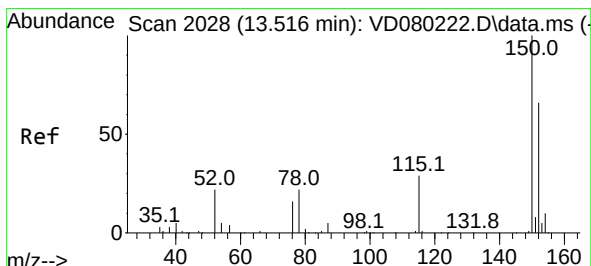
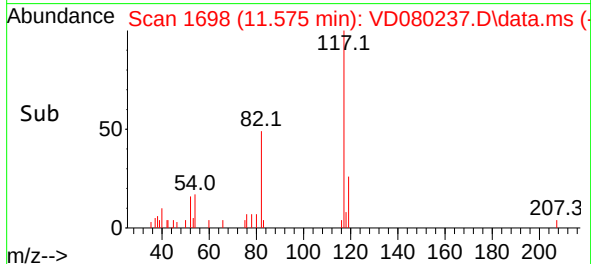
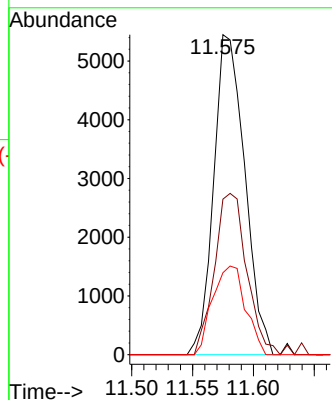
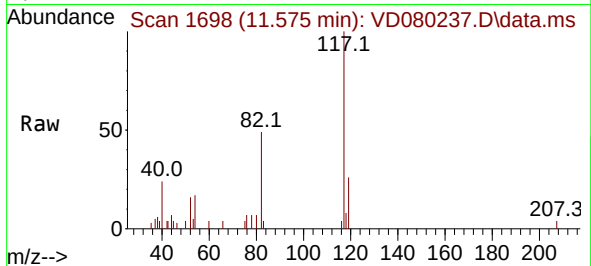




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.575 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

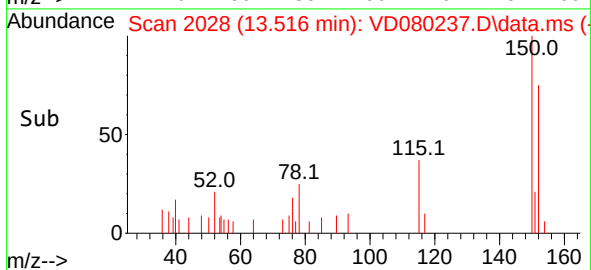
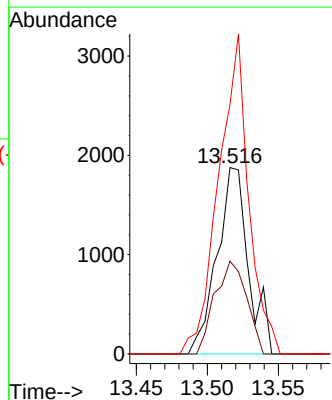
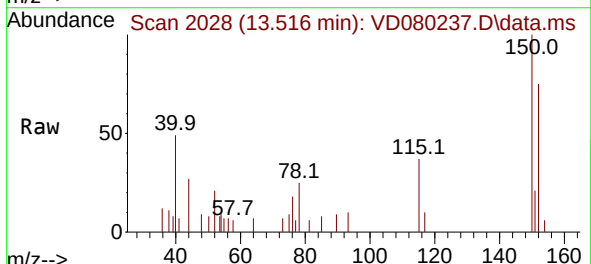
Instrument :  
MSVOA\_D  
ClientSampleId :

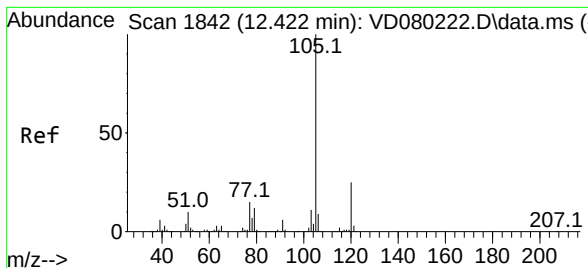
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 9652        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 48.6  | 45.0 67.6   |
| 119         | 25.6  | 24.3 36.5   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 2889        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 50.2  | 30.0 90.1   |
| 150         | 164.0 | 0.0 350.4   |





#73

Isopropylbenzene

Concen: 1.592 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

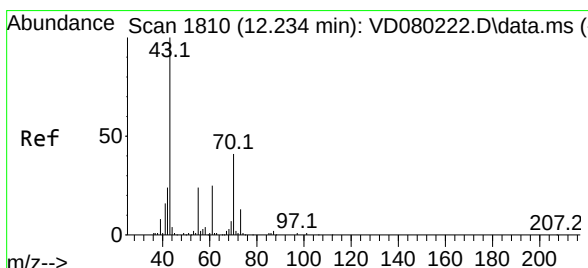
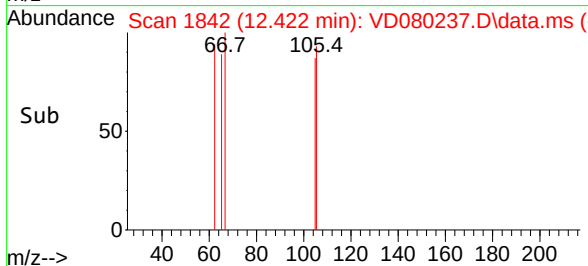
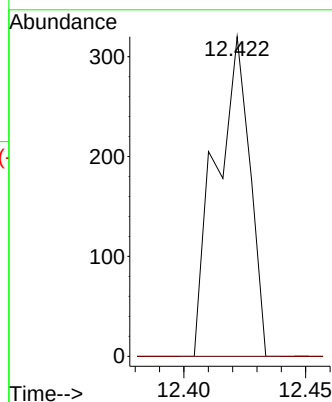
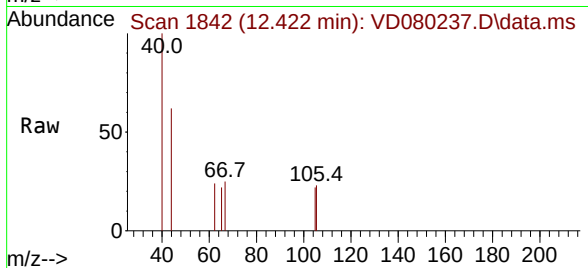
ClientSampleId :

Tgt Ion:105 Resp: 311

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.6#



#74

N-ethyl acetate

Concen: 1.168 ug/l

RT: 12.240 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Tgt Ion: 43 Resp: 60

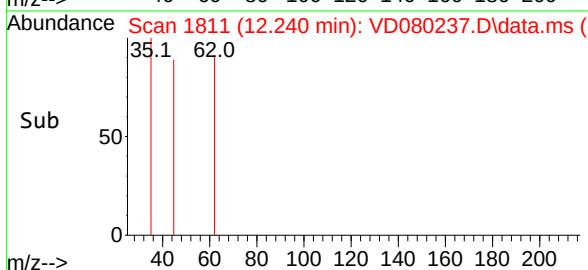
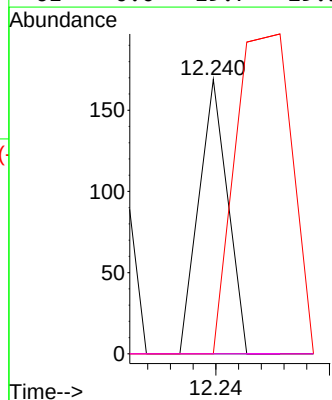
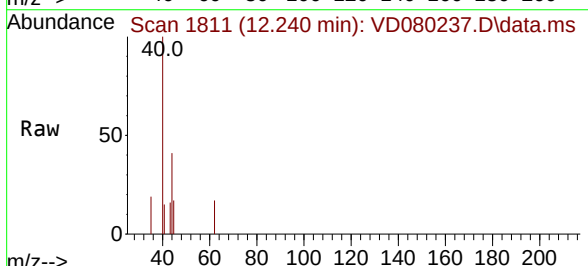
Ion Ratio Lower Upper

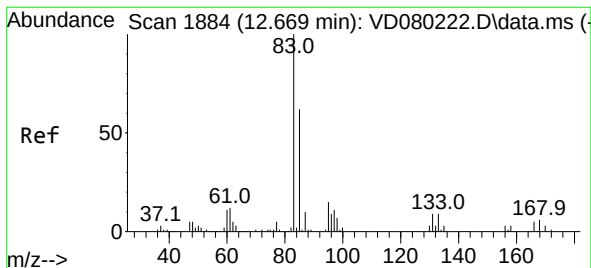
43 100

70 0.0 33.6 50.4#

55 228.3 21.4 32.0#

61 0.0 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.402 ug/l

RT: 12.875 min Scan# 1867

Delta R.T. 0.206 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

ClientSampleId :

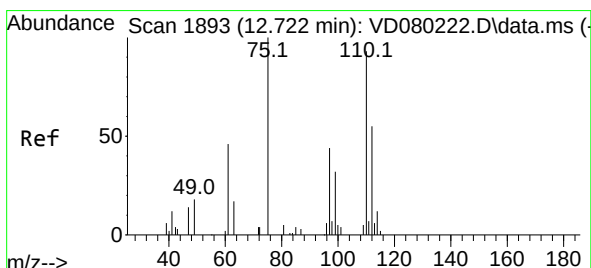
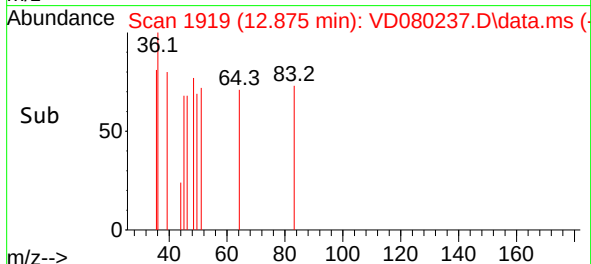
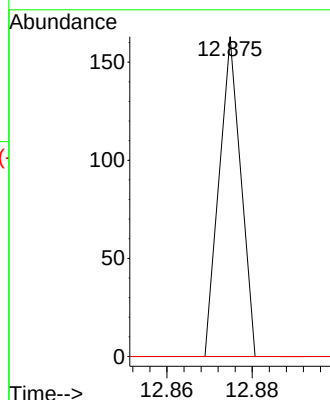
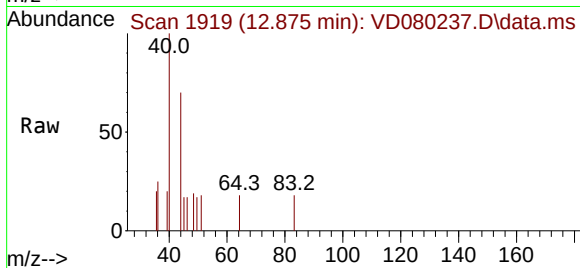
Tgt Ion: 83 Resp: 57

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 0.0 32.4 97.0#



#76

1,2,3-Trichloropropane

Concen: 55.951 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD080237.D

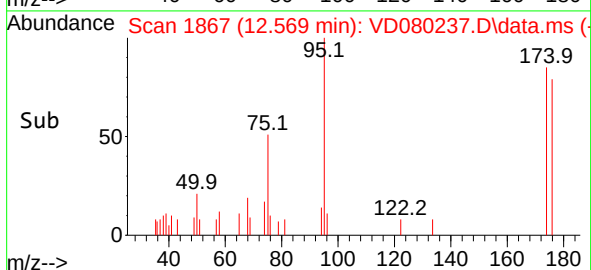
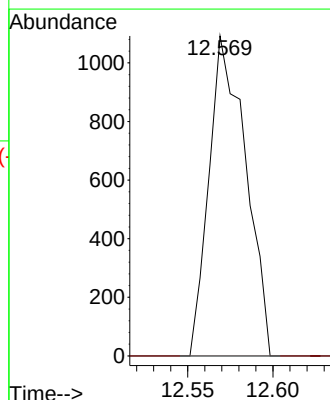
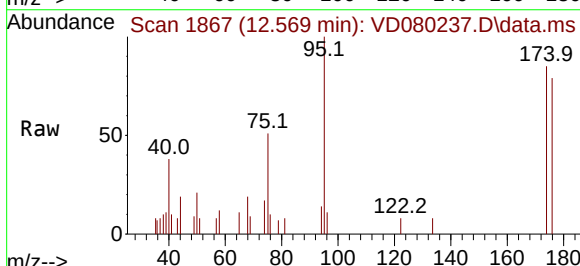
Acq: 04 Feb 2025 15:25

Tgt Ion: 75 Resp: 1635

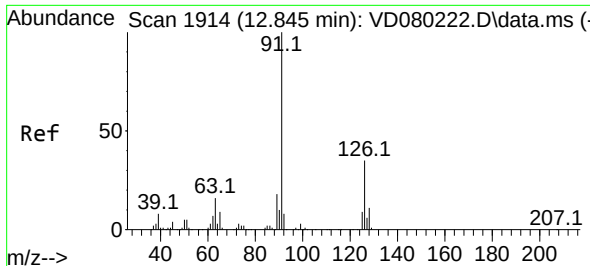
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



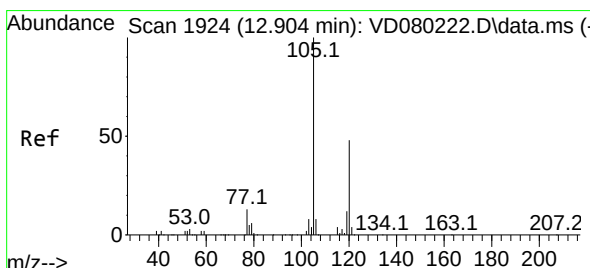
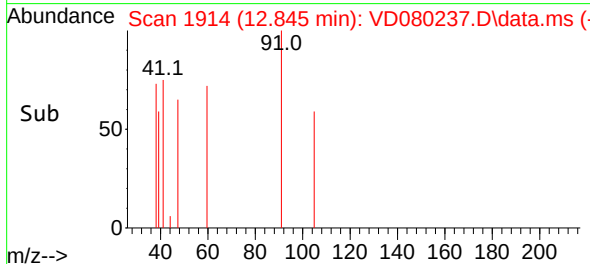
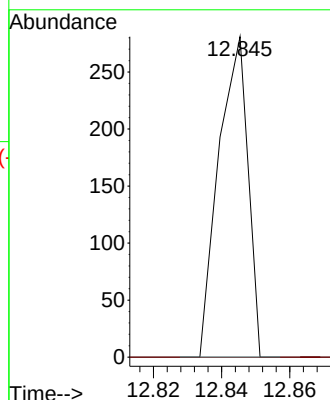
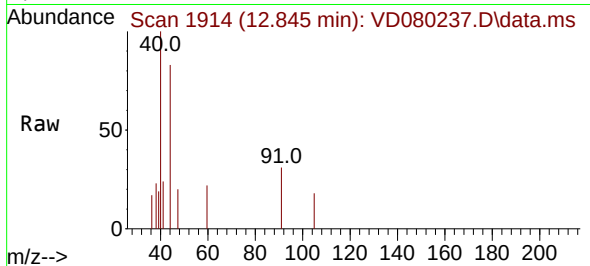




#79  
2-Chlorotoluene  
Concen: 1.182 ug/l  
RT: 12.845 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

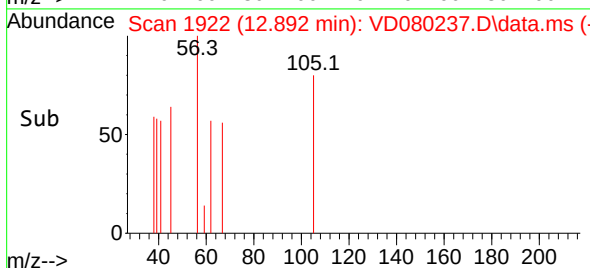
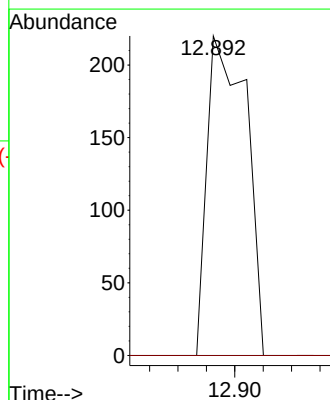
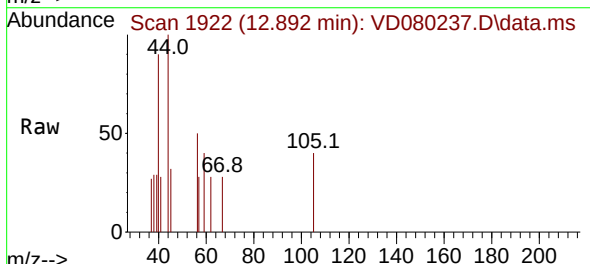
Instrument :  
MSVOA\_D  
ClientSampleId :

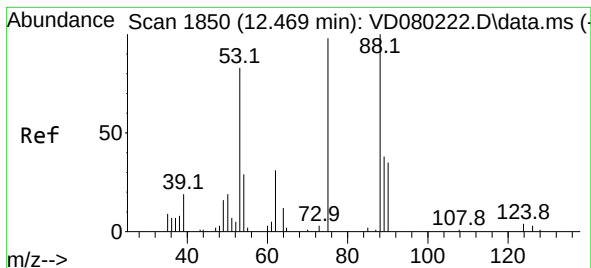
Tgt Ion: 91 Resp: 167  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.8 50.4#



#80  
1,3,5-Trimethylbenzene  
Concen: 1.285 ug/l  
RT: 12.892 min Scan# 1922  
Delta R.T. -0.012 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 105 Resp: 210  
Ion Ratio Lower Upper  
105 100  
120 0.0 23.5 70.5#

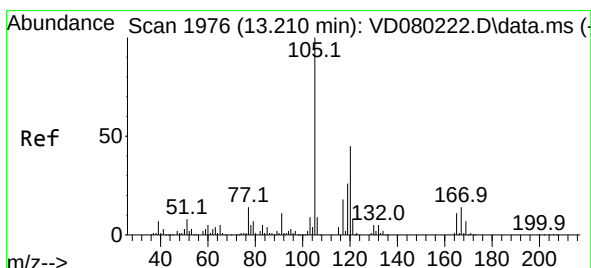
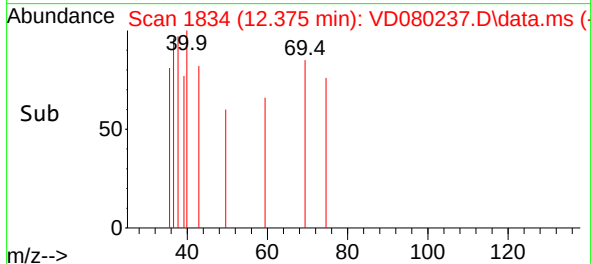
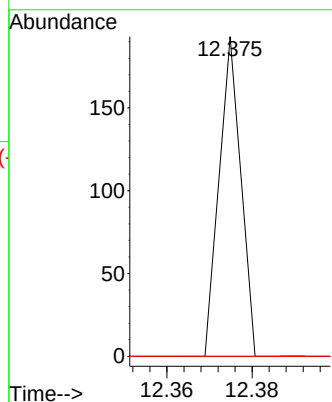
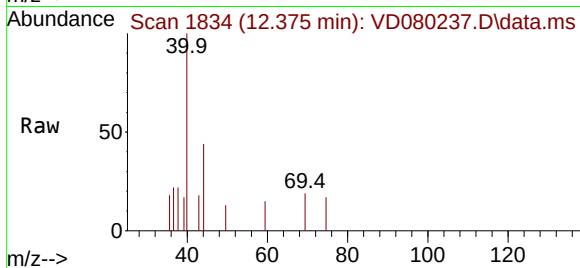




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 4.758 ug/l  
 RT: 12.375 min Scan# 1834  
 Delta R.T. -0.094 min  
 Lab File: VD080237.D  
 Acq: 04 Feb 2025 15:25

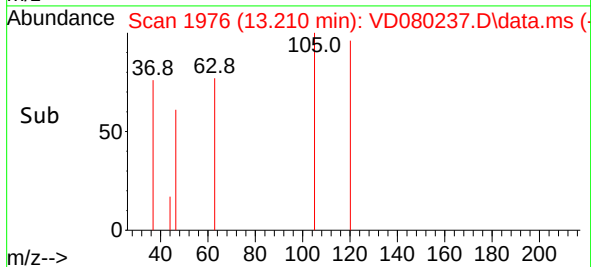
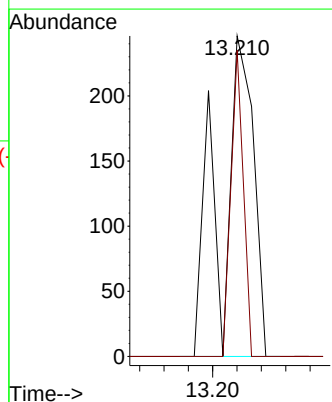
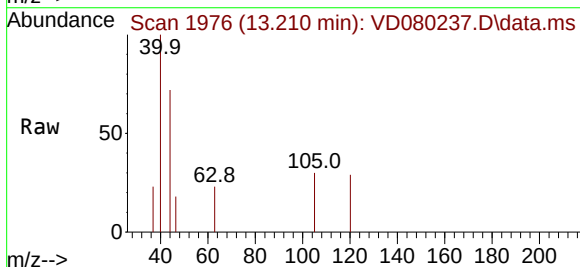
Instrument :  
 MSVOA\_D  
 ClientSampleId :

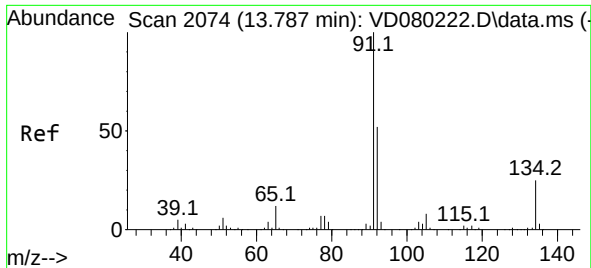
Tgt Ion: 75 Resp: 68  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.1 103.7#  
 89 0.0 36.5 54.7#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.365 ug/l  
 RT: 13.210 min Scan# 1976  
 Delta R.T. -0.000 min  
 Lab File: VD080237.D  
 Acq: 04 Feb 2025 15:25

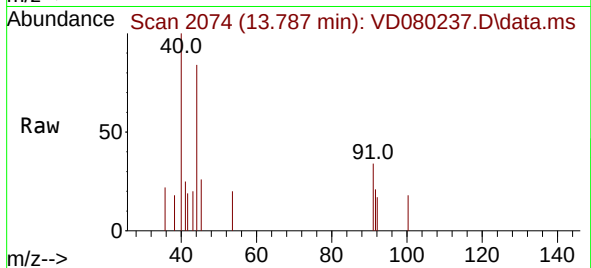
Tgt Ion:105 Resp: 227  
 Ion Ratio Lower Upper  
 105 100  
 120 36.6 22.1 66.5



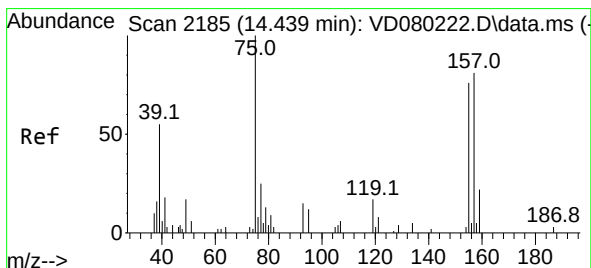
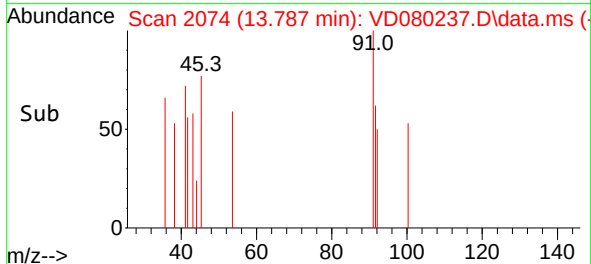
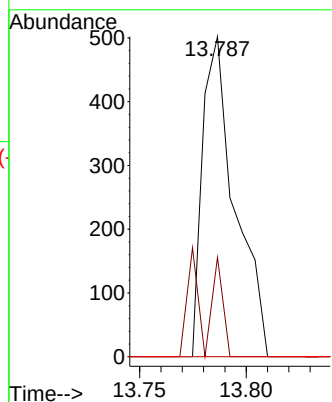


#89  
n-Butylbenzene  
Concen: 3.145 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. -0.000 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Instrument :  
MSVOA\_D  
ClientSampleId :

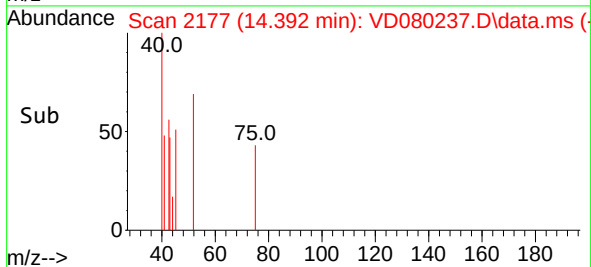
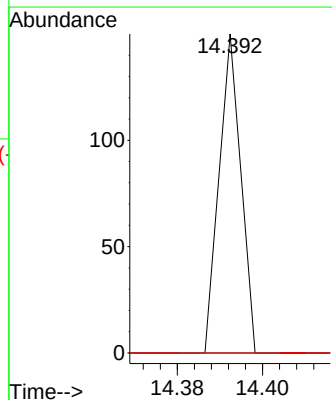
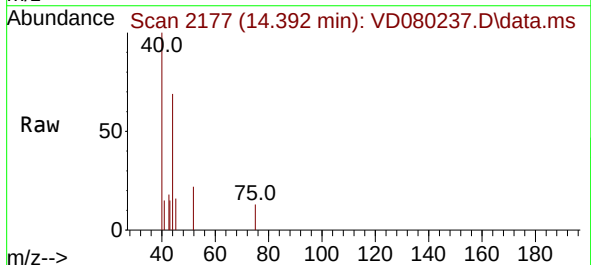


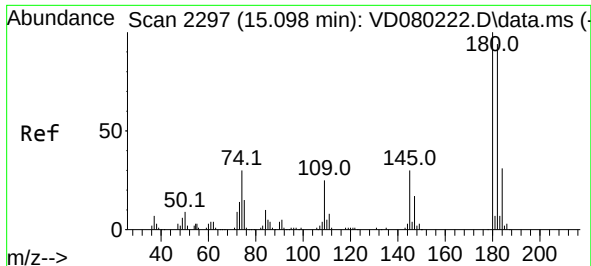
Tgt Ion: 91 Resp: 533  
Ion Ratio Lower Upper  
91 100  
92 21.6 26.1 78.2#  
134 0.0 12.4 37.0#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 8.192 ug/l  
RT: 14.392 min Scan# 2177  
Delta R.T. -0.047 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Tgt Ion: 75 Resp: 53  
Ion Ratio Lower Upper  
75 100  
155 0.0 41.5 124.6#  
157 0.0 50.5 151.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.166 ug/l

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD080237.D

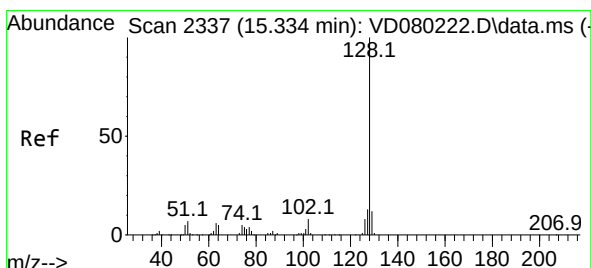
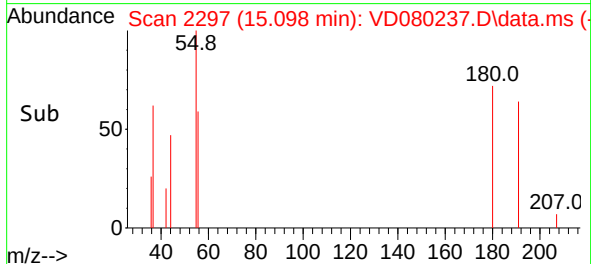
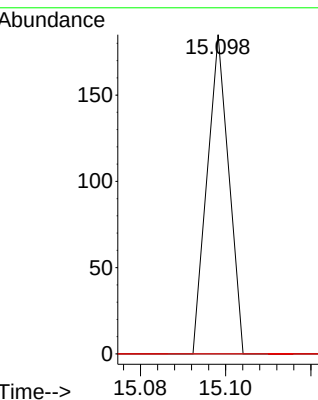
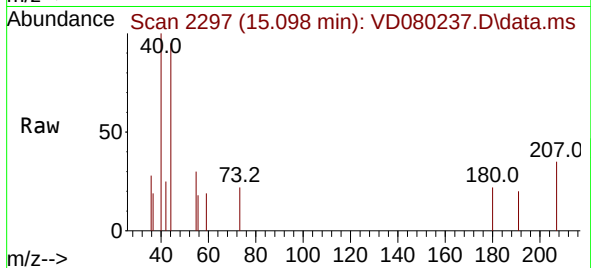
Acq: 04 Feb 2025 15:25

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 65          |
| Ion Ratio   | Lower | Upper       |
| 180         | 100   |             |
| 182         | 0.0   | 47.5 142.5# |
| 145         | 0.0   | 14.6 44.0#  |



#95

Naphthalene

Concen: 8.658 ug/l

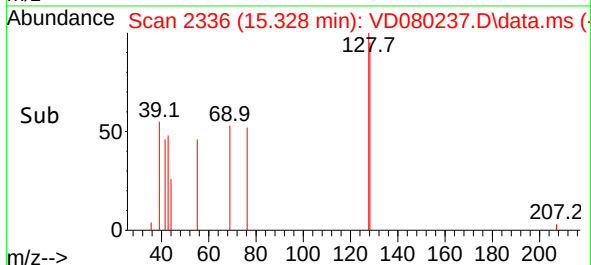
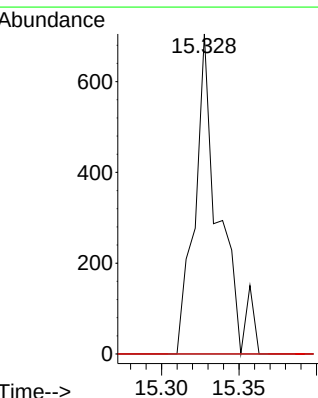
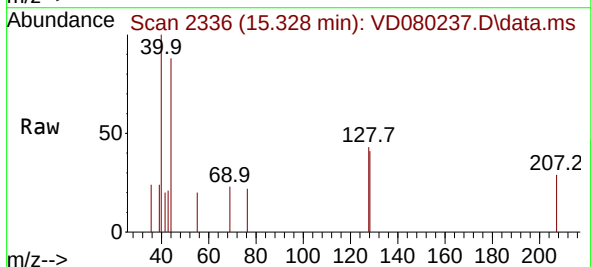
RT: 15.328 min Scan# 2336

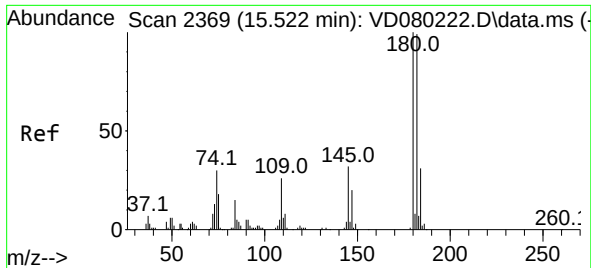
Delta R.T. -0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

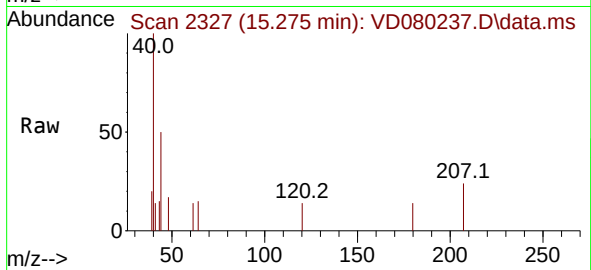
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:128 | Resp: | 759        |
| Ion Ratio   | Lower | Upper      |
| 128         | 100   |            |
| 127         | 51.3  | 10.6 15.8# |
| 129         | 0.0   | 9.4 14.0#  |





#96  
1,2,3-Trichlorobenzene  
Concen: 1.153 ug/l  
RT: 15.275 min Scan# 21  
Delta R.T. -0.247 min  
Lab File: VD080237.D  
Acq: 04 Feb 2025 15:25

Instrument :  
MSVOA\_D  
ClientSampleId :



| Tgt Ion:  | 180   | Resp: | 58     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 0.0   | 47.3  | 142.0# |
| 145       | 0.0   | 15.6  | 46.7#  |

