

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053123\  
 Data File : VD076296.D  
 Acq On : 31 May 2023 20:54  
 Operator : KP/SY  
 Sample : 02983-06  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB24B

Quant Time: Jun 01 01:44:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

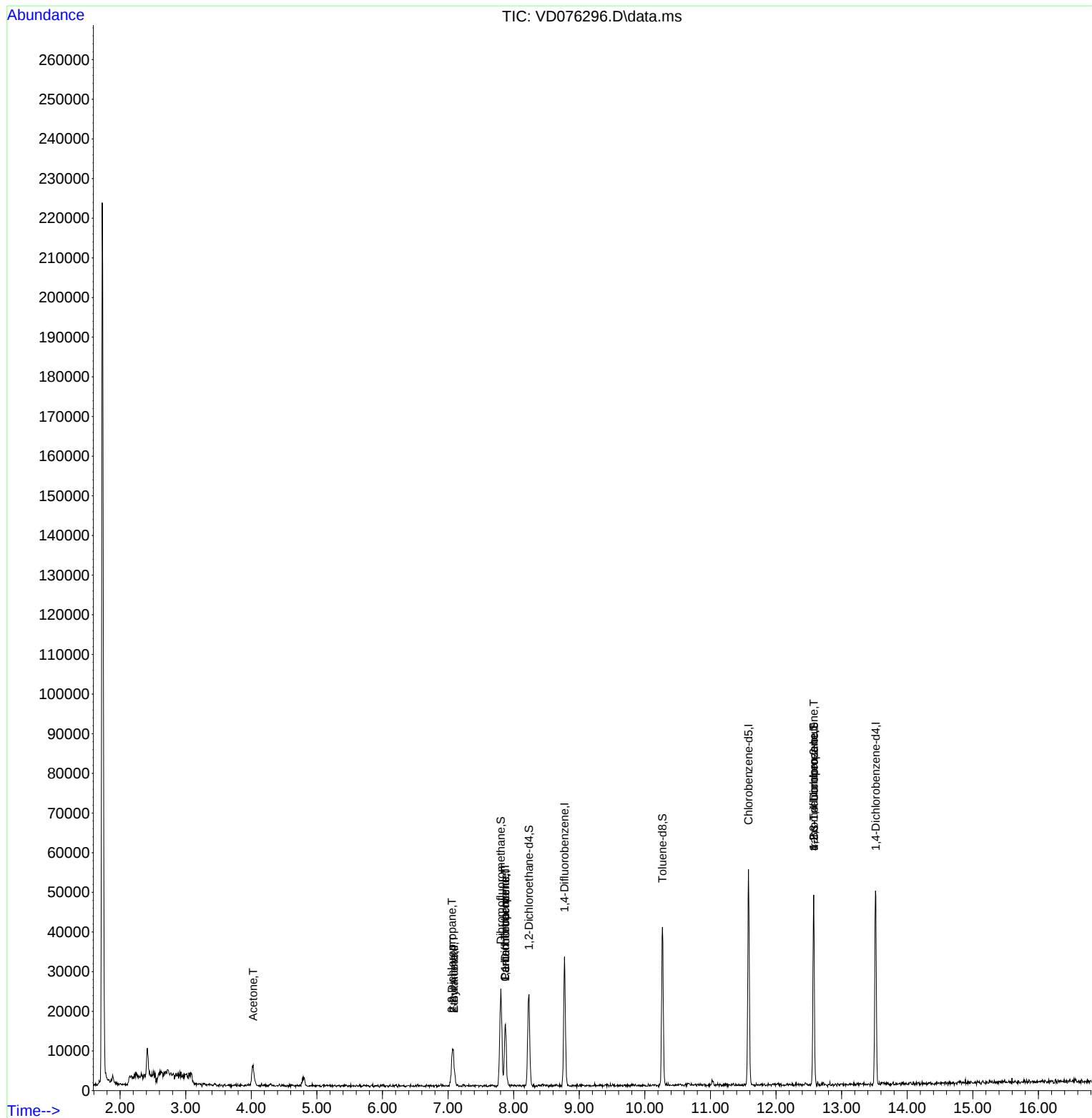
| Compound                      | R.T.   | QIon  | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------------|----------|
| -----                         |        |       |          |           |             |          |
| Internal Standards            |        |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 13211    | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 30764    | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 34621    | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 15555    | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 18306    | 143.373   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 286.740%# |          |
| 35) Dibromofluoromethane      | 7.804  | 113   | 17394    | 81.798    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 163.600%# |          |
| 50) Toluene-d8                | 10.269 | 98    | 30527    | 36.826    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 73.660%   |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 14276    | 61.997    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 124.000%  |          |
| Target Compounds              |        |       |          |           |             |          |
|                               |        |       |          |           | Qvalue      |          |
| 3) Chloromethane              | 2.146  | 50    | 180      | Below Cal | #           | 40       |
| 16) Acetone                   | 4.028  | 43    | 8570     | 337.352   | ug/l #      | 76       |
| 20) Methylene Chloride        | 4.793  | 84    | 1709     | Below Cal | #           | 71       |
| 25) 2-Butanone                | 7.087  | 43    | 1710     | 53.535    | ug/l #      | 61       |
| 26) 2,2-Dichloropropane       | 7.057  | 77    | 441      | 2.039     | ug/l #      | 54       |
| 36) 1,1-Dichloropropene       | 7.869  | 75    | 880      | 3.064     | ug/l #      | 42       |
| 37) Ethyl Acetate             | 7.087  | 43    | 1710     | 17.195    | ug/l #      | 80       |
| 38) Carbon Tetrachloride      | 7.869  | 117   | 1092     | 4.210     | ug/l #      | 13       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 7034     | 51.675    | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 7034     | 108.406   | ug/l #      | 5        |
| -----                         |        |       |          |           |             |          |

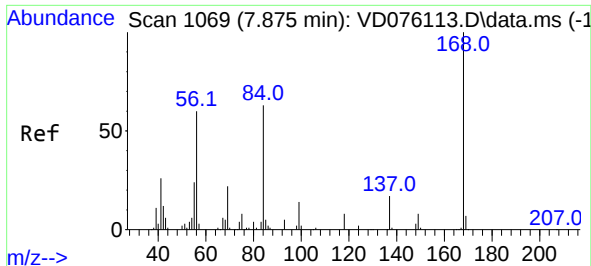
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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Quant Time: Jun 01 01:44:41 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
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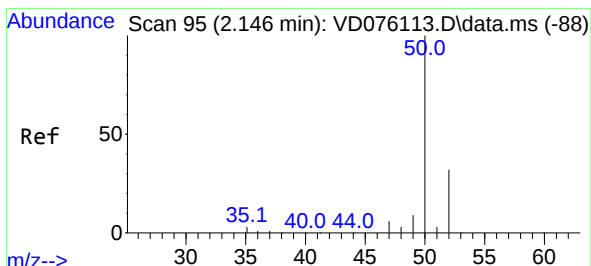
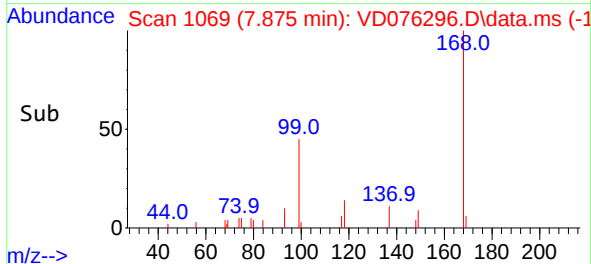
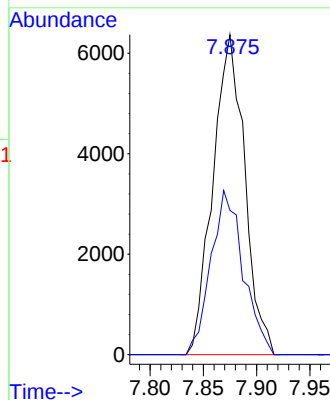
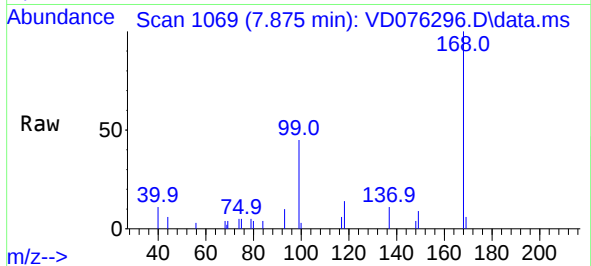




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

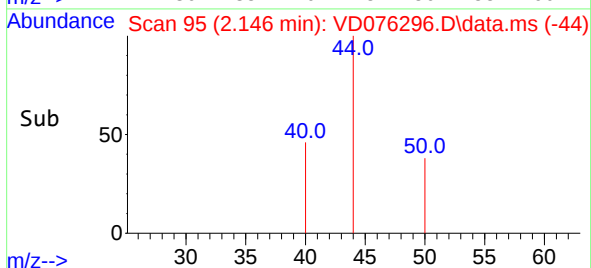
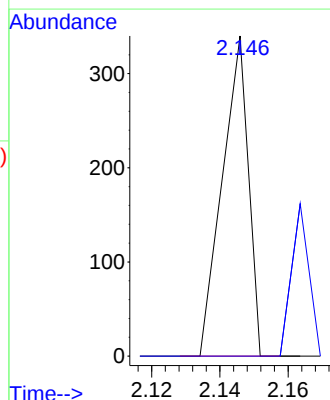
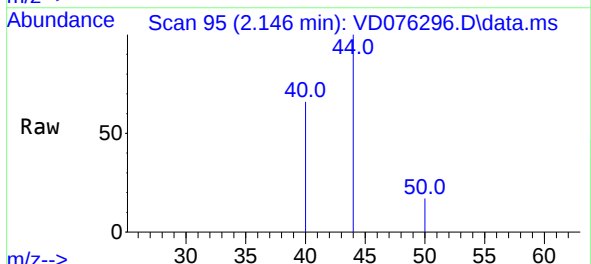
Instrument :  
MSVOA\_D  
ClientSampleId :  
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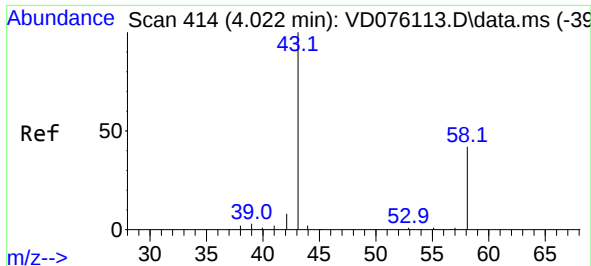
Tgt Ion:168 Resp: 13211  
Ion Ratio Lower Upper  
168 100  
99 45.1 43.8 65.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.146 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Tgt Ion: 50 Resp: 180  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.8 41.8#

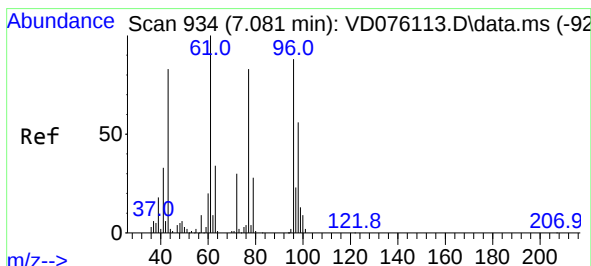
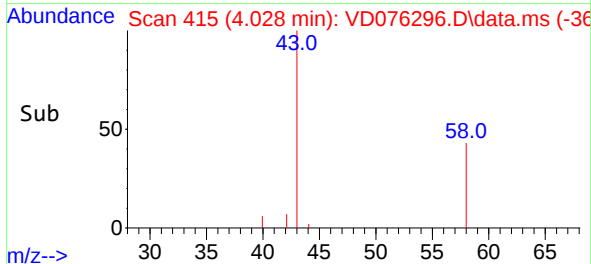
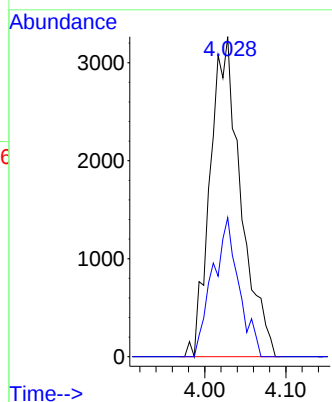
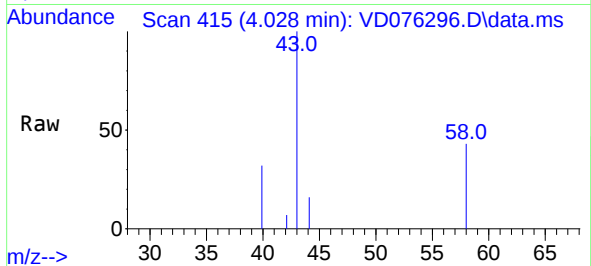




#16  
Acetone  
Concen: 337.352 ug/l  
RT: 4.028 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

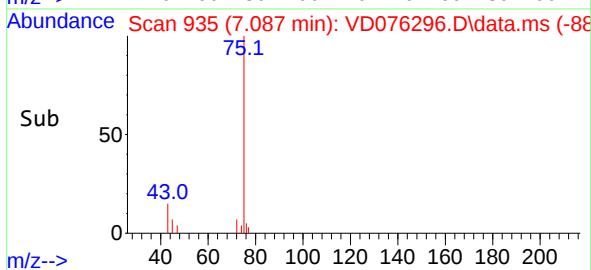
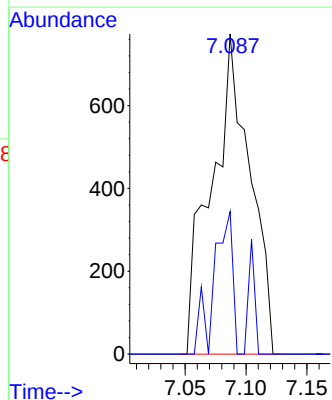
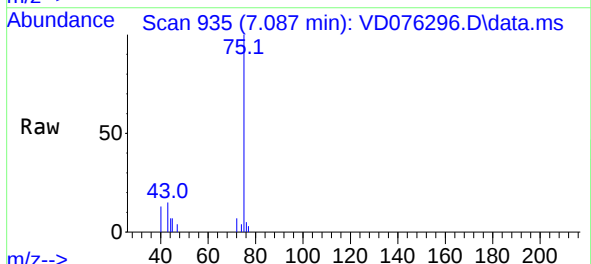
Instrument :  
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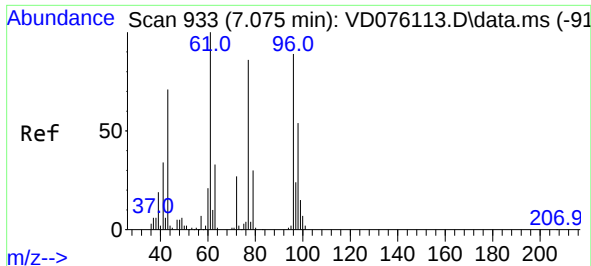
Tgt Ion: 43 Resp: 8570  
Ion Ratio Lower Upper  
43 100  
58 43.4 24.4 36.6#



#25  
2-Butanone  
Concen: 53.535 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Tgt Ion: 43 Resp: 1710  
Ion Ratio Lower Upper  
43 100  
72 44.5 19.8 29.8#

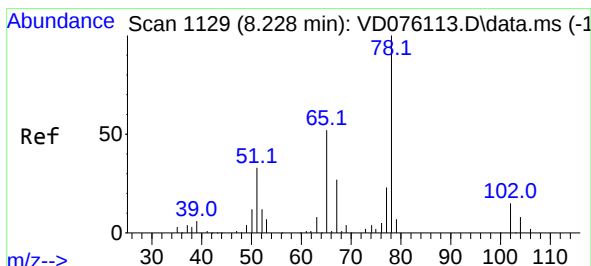
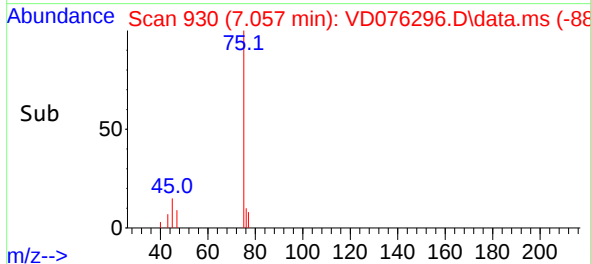
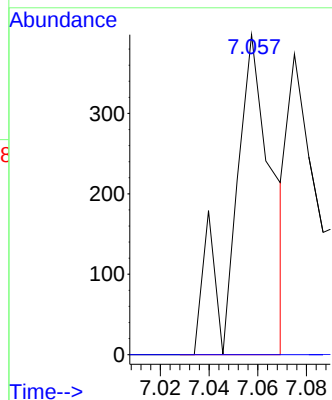
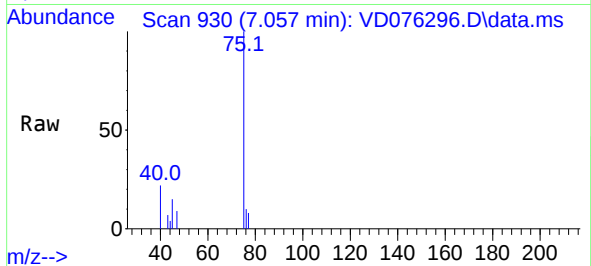




#26  
2,2-Dichloropropane  
Concen: 2.039 ug/l  
RT: 7.057 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

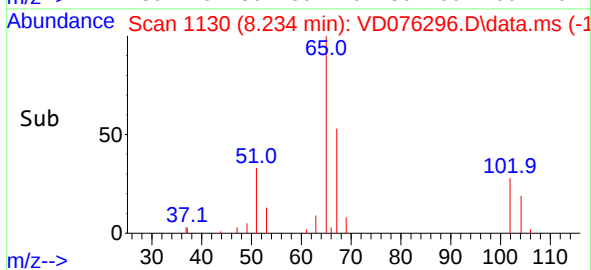
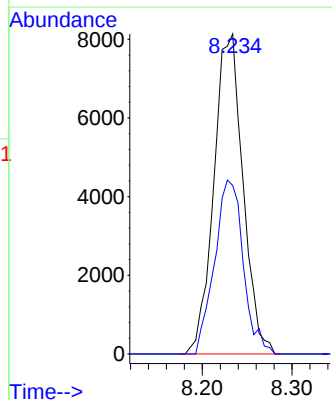
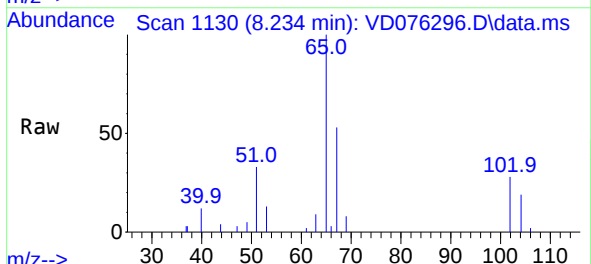
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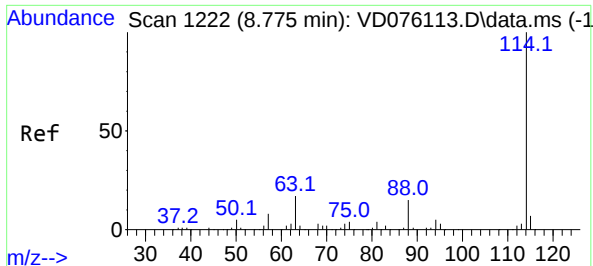
Tgt Ion: 77 Resp: 441  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.1 33.1#



#33  
1,2-Dichloroethane-d4  
Concen: 143.373 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Tgt Ion: 65 Resp: 18306  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 102.2

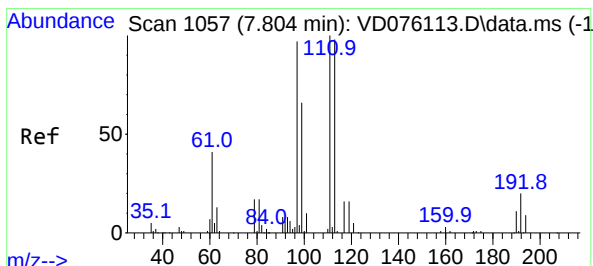
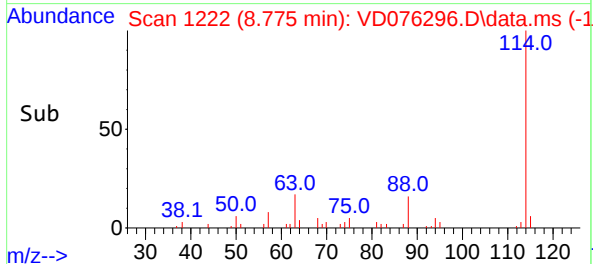
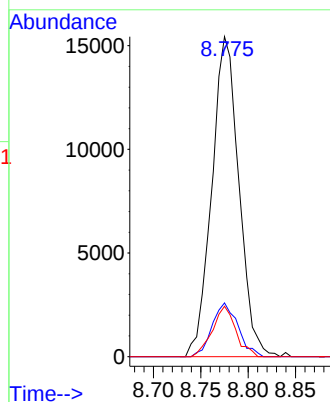
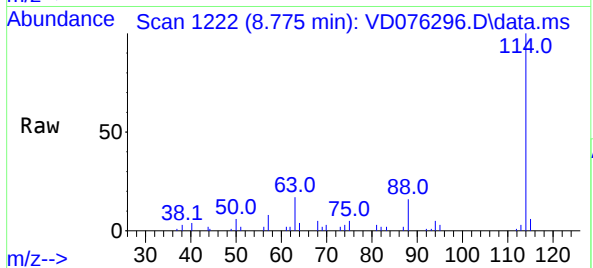




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

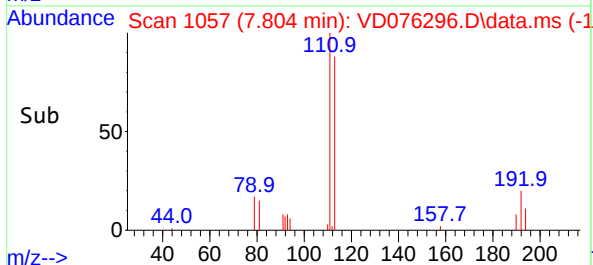
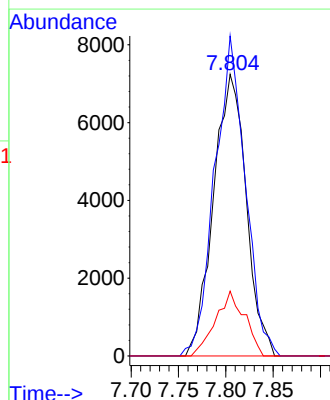
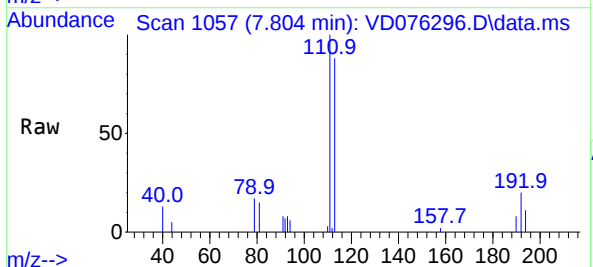
Instrument :  
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ClientSampleId :  
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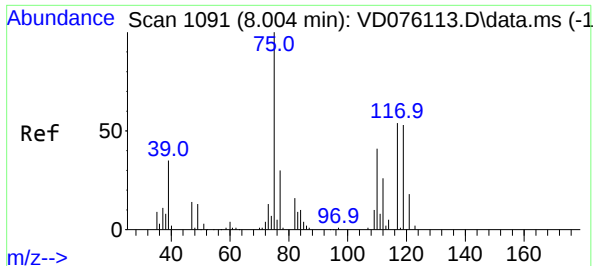
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 30764       |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 16.8  | 0.0 41.6    |
| 88          | 15.8  | 0.0 30.6    |



#35  
Dibromofluoromethane  
Concen: 81.798 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.001 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 17394       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 105.9 | 81.4 122.0  |
| 192         | 20.5  | 15.2 22.8   |

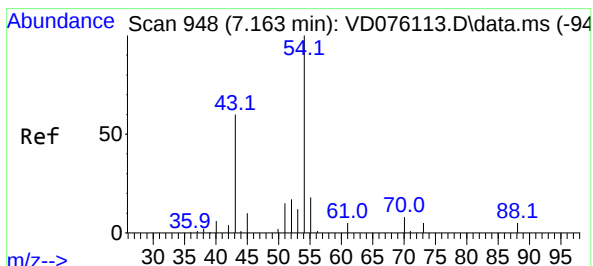
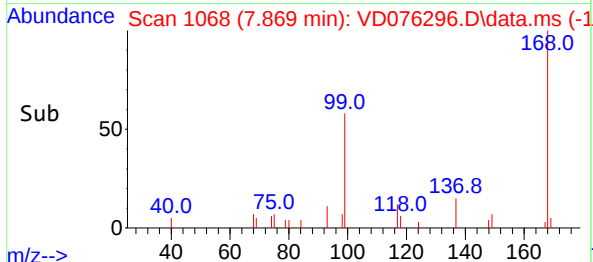
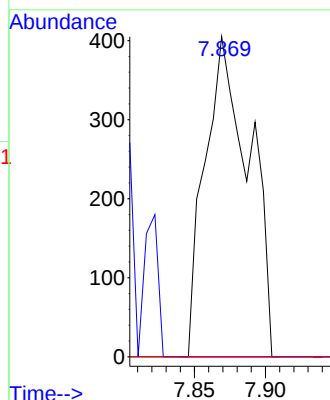
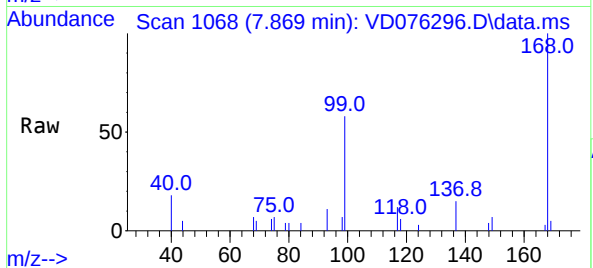




#36  
1,1-Dichloropropene  
Concen: 3.064 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.141 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

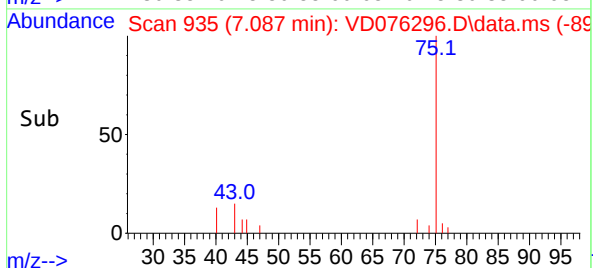
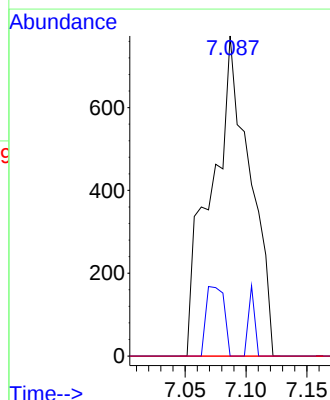
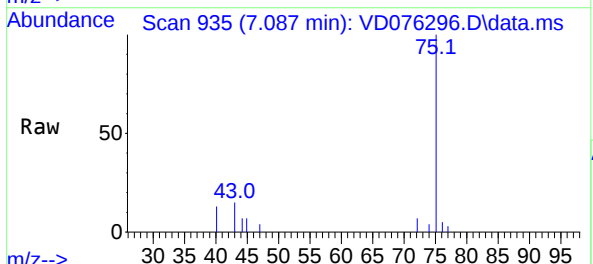
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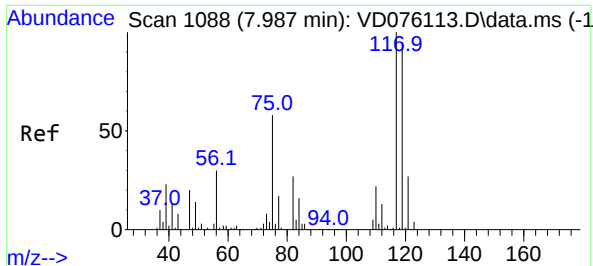
Tgt Ion: 75 Resp: 880  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.1 51.2#  
77 0.0 24.6 36.8#



#37  
Ethyl Acetate  
Concen: 17.195 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. -0.082 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

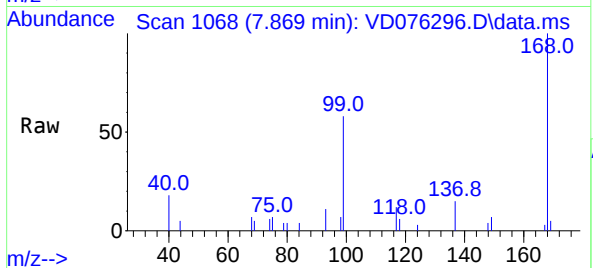
Tgt Ion: 43 Resp: 1710  
Ion Ratio Lower Upper  
43 100  
61 3.5 0.0 0.0#  
70 0.0 5.6 8.4#



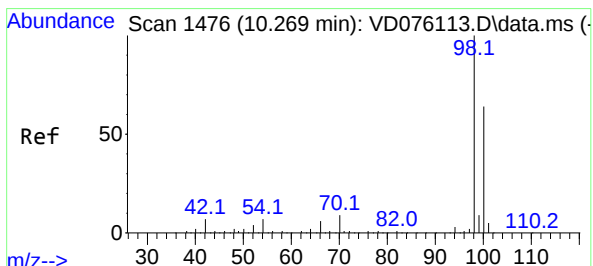
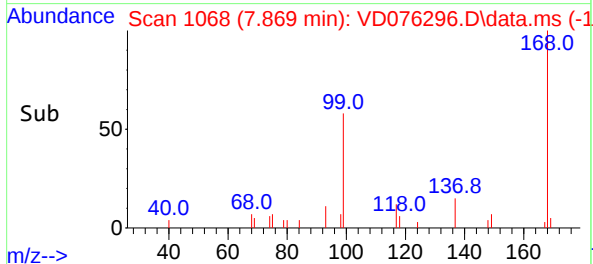
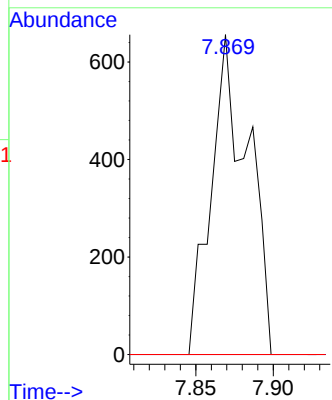


#38  
Carbon Tetrachloride  
Concen: 4.210 ug/l  
RT: 7.869 min Scan# 1088  
Delta R.T. -0.124 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB24B

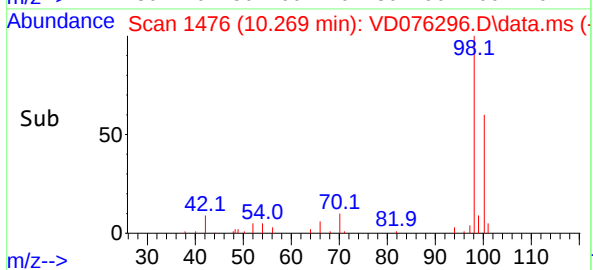
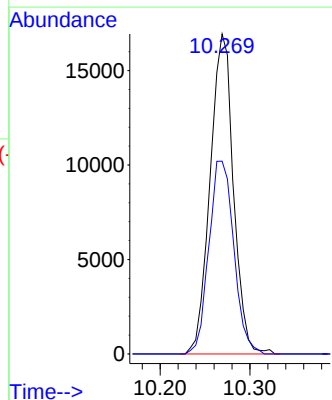
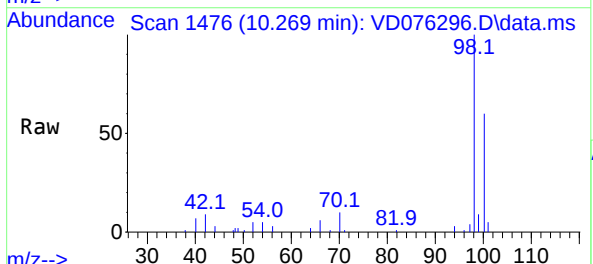


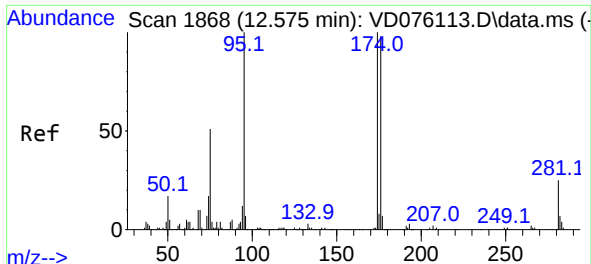
Tgt Ion:117 Resp: 1092  
Ion Ratio Lower Upper  
117 100  
119 0.0 74.7 112.1#  
121 0.0 25.9 38.9#



#50  
Toluene-d8  
Concen: 36.826 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Tgt Ion: 98 Resp: 30527  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.1 78.1

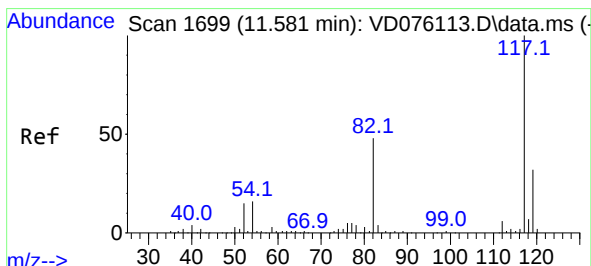
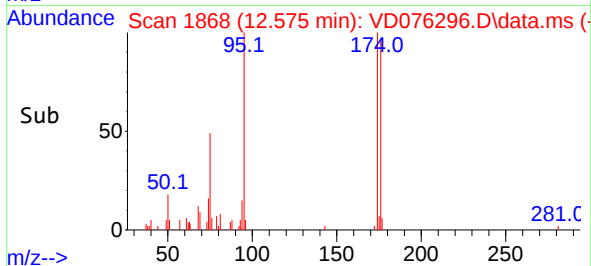
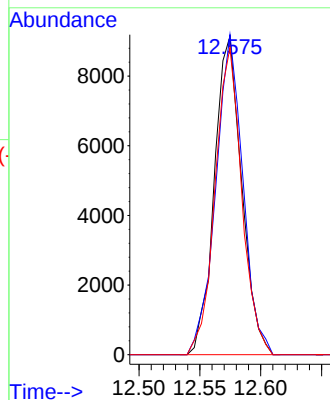
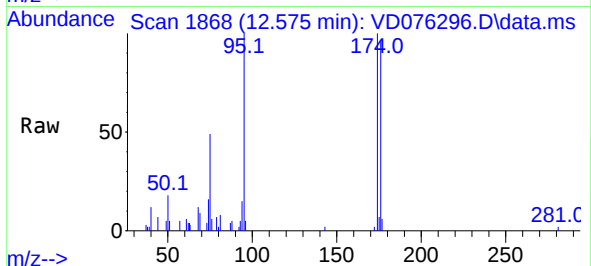




#62  
4-Bromofluorobenzene  
Concen: 61.997 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

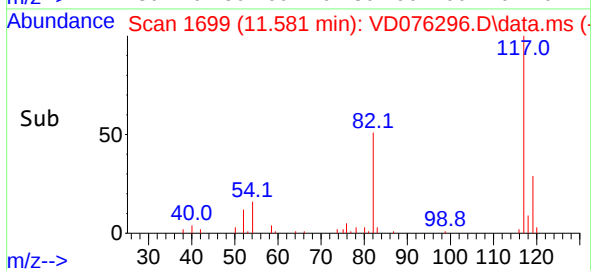
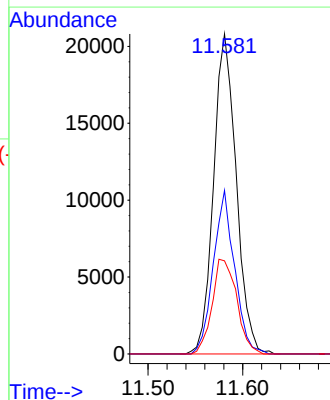
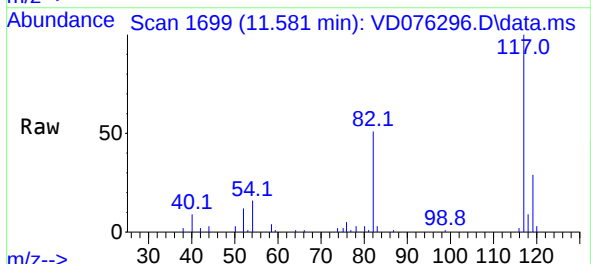
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB24B

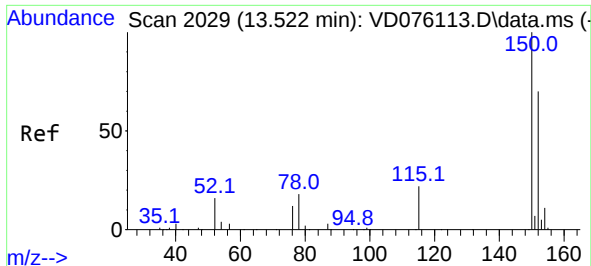
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 14276 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 99.5  | 0.0   | 164.0 |
| 176       | 94.3  | 0.0   | 156.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 34621 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 51.1  | 44.0  | 66.0  |
| 119       | 29.1  | 25.1  | 37.7  |

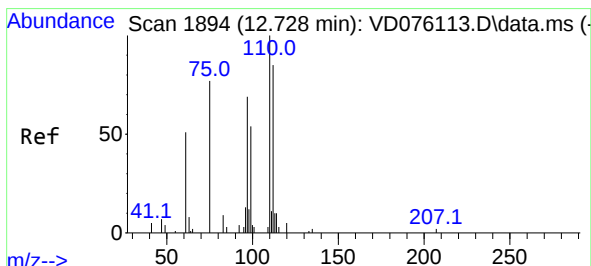
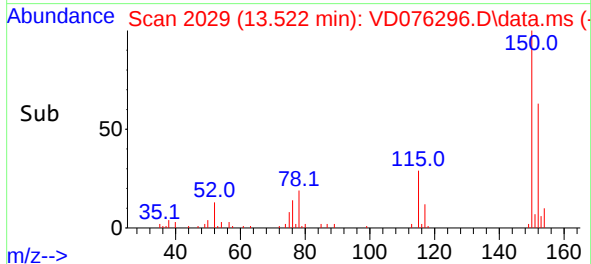
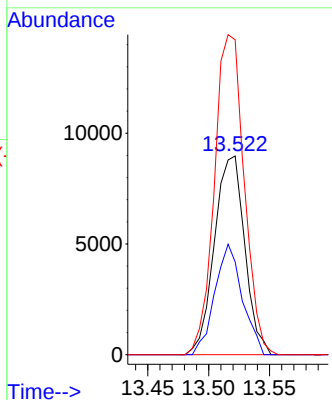
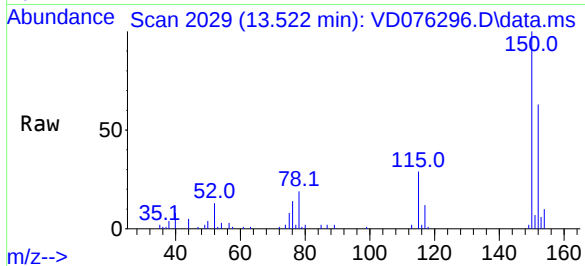




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

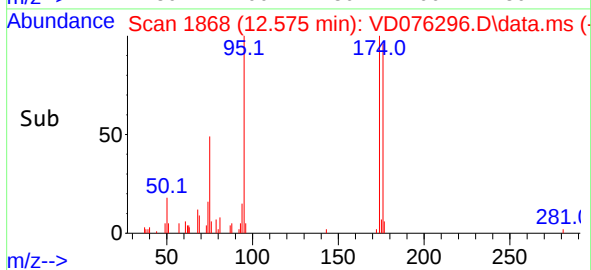
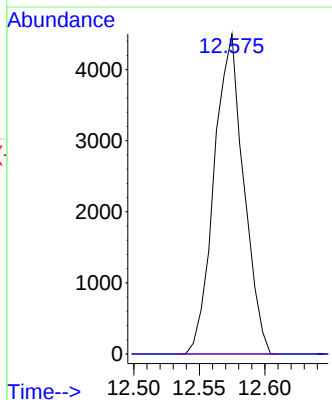
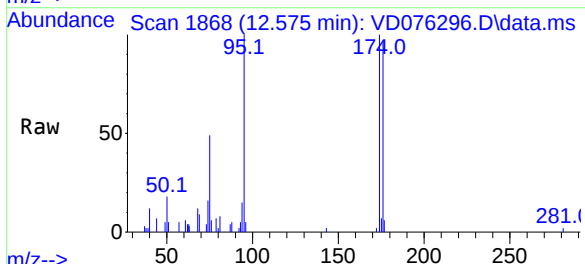
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB24B

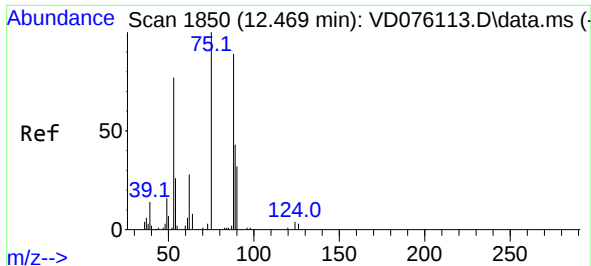
Tgt Ion:152 Resp: 15555  
Ion Ratio Lower Upper  
152 100  
115 50.4 30.1 90.3  
150 158.1 0.0 364.8



#76  
1,2,3-Trichloropropane  
Concen: 51.675 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Tgt Ion: 75 Resp: 7034  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
trans-1,4-Dichloro-2-butene  
Concen: 108.406 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.100 min  
Lab File: VD076296.D  
Acq: 31 May 2023 20:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB24B

Tgt Ion: 75 Resp: 7034  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 40.2 60.4#

