

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
 Data File : VY009926.D  
 Acq On : 09 Aug 2022 17:46  
 Operator : KP/MD  
 Sample : N4088-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-02-080522

Quant Time: Aug 09 23:08:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

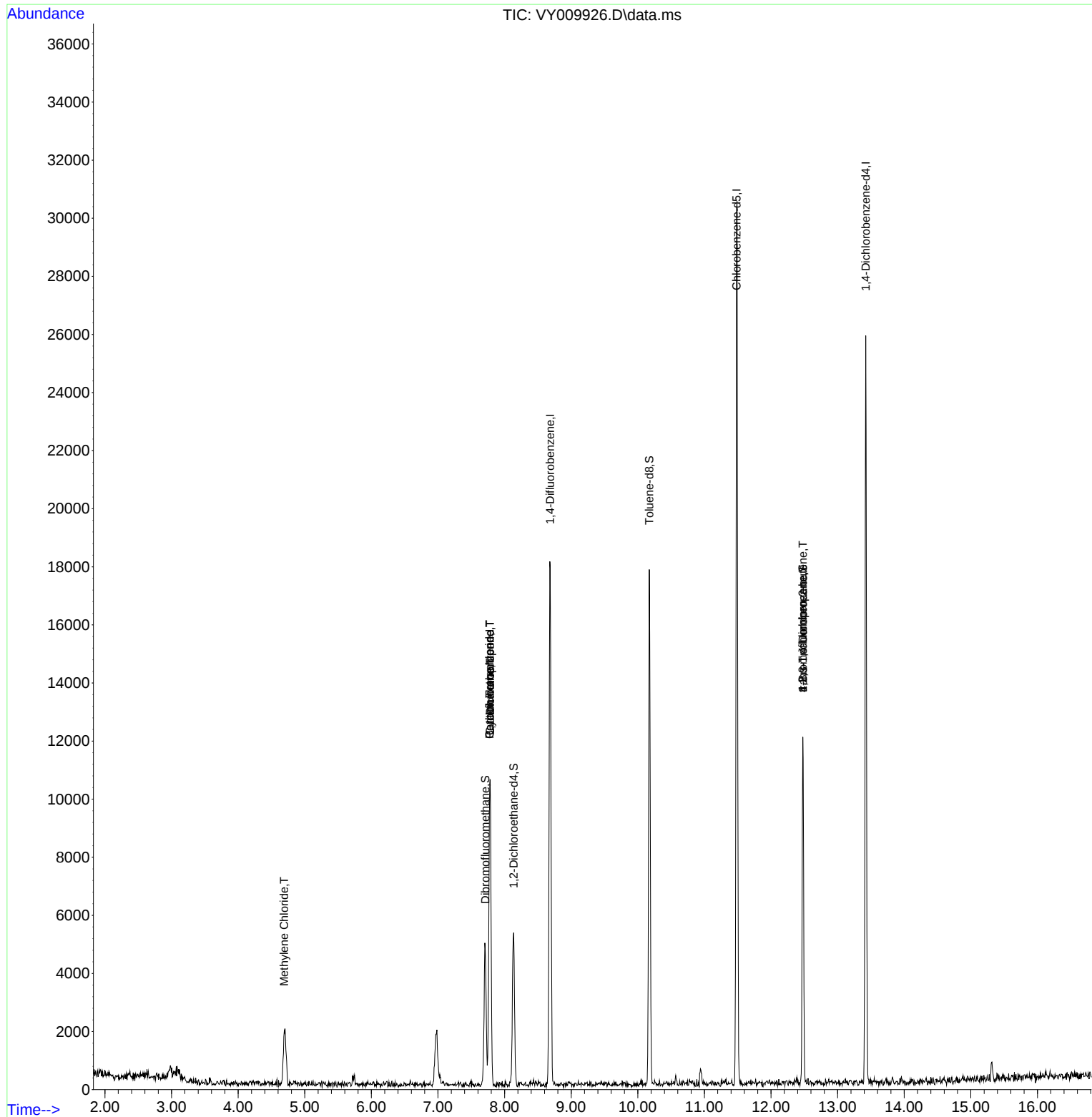
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.777  | 168   | 8633     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 15325    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.483 | 117   | 16651    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 6327     | 50.000   | ug/l   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 3837     | 57.654   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 115.300% |
| 35) Dibromofluoromethane      | 7.710  | 113   | 3375     | 40.569   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 81.140%  |
| 50) Toluene-d8                | 10.173 | 98    | 11400    | 44.498   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 89.000%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 3476     | 29.925   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 59.840%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 20) Methylene Chloride        | 4.692  | 84    | 1455     | 4.614    | ug/l   | 96       |
| 31) Cyclohexane               | 7.783  | 56    | 199      | 1.187    | ug/l # | 53       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 776      | 5.528    | ug/l # | 40       |
| 38) Carbon Tetrachloride      | 7.777  | 117   | 894      | 6.417    | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 1785     | 25.786   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 1785     | 52.134   | ug/l # | 13       |
| -----                         |        |       |          |          |        |          |

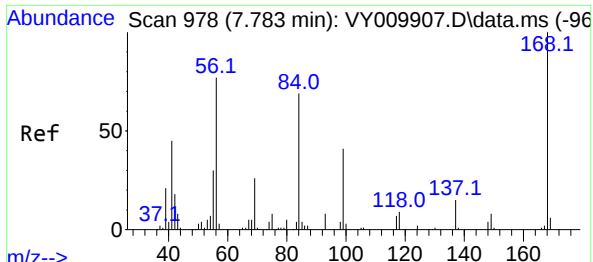
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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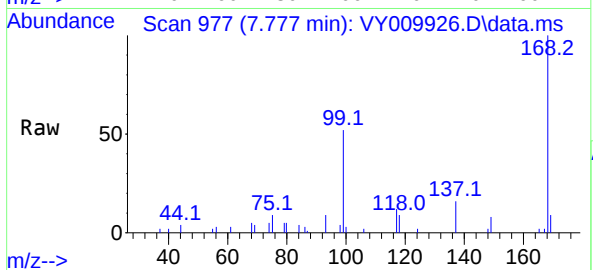
Quant Time: Aug 09 23:08:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
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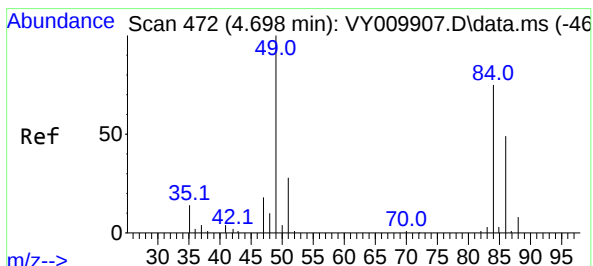
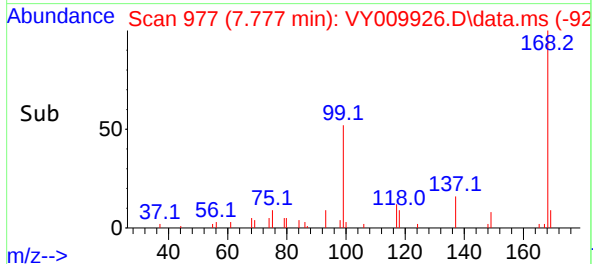
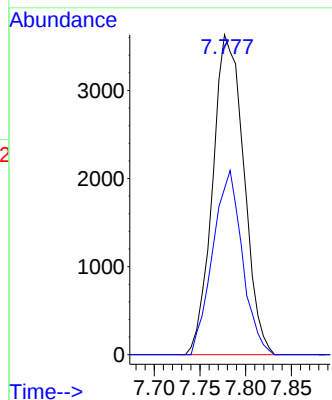


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-080522

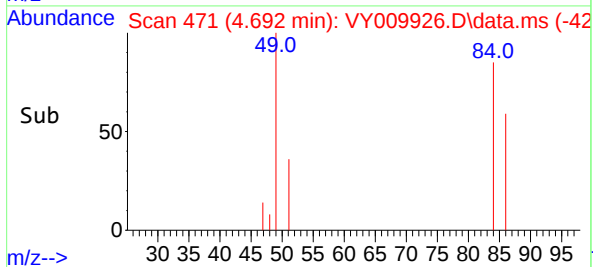
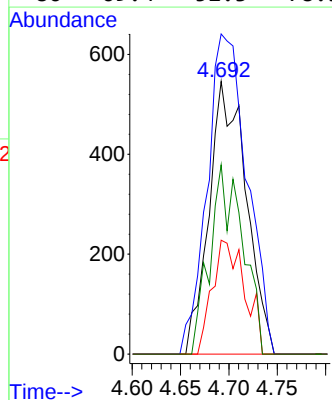
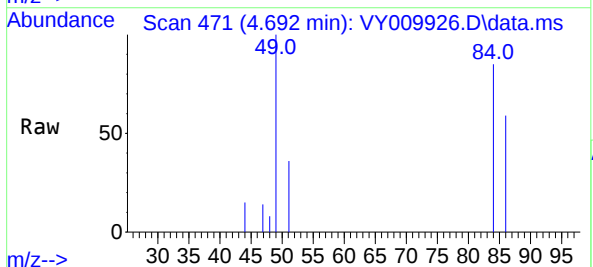


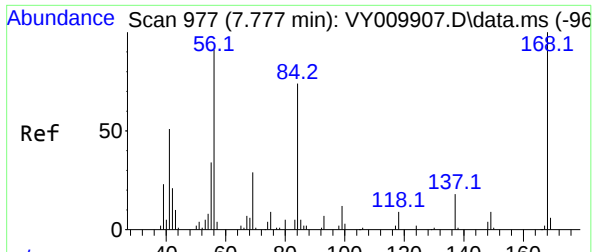
Tgt Ion:168 Resp: 8633  
Ion Ratio Lower Upper  
168 100  
99 51.9 42.1 63.1



#20  
Methylene Chloride  
Concen: 4.614 ug/l  
RT: 4.692 min Scan# 471  
Delta R.T. -0.006 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

Tgt Ion: 84 Resp: 1455  
Ion Ratio Lower Upper  
84 100  
49 117.4 98.2 147.4  
51 41.8 33.4 50.0  
86 69.4 52.3 78.5





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.783 min Scan# 91

Delta R.T. 0.007 min

Lab File: VY009926.D

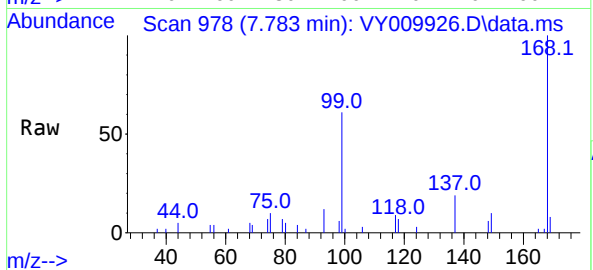
Acq: 09 Aug 2022 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

PL-02-080522



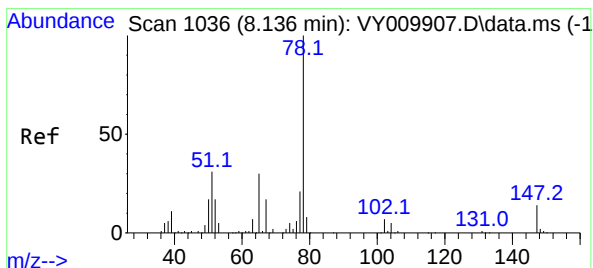
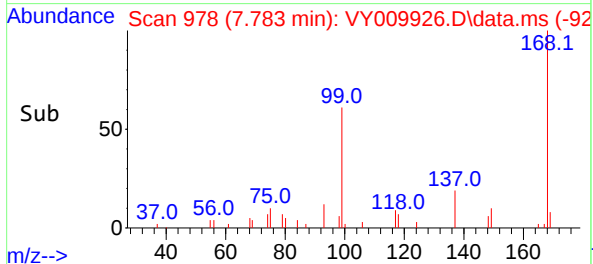
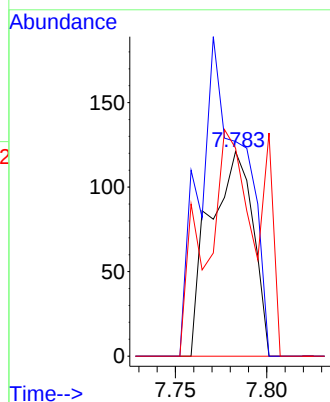
Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

69 105.0 26.0 39.0#

84 101.7 69.5 104.3



#33

1,2-Dichloroethane-d4

Concen: 57.654 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY009926.D

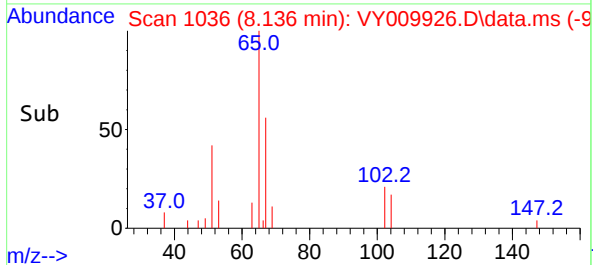
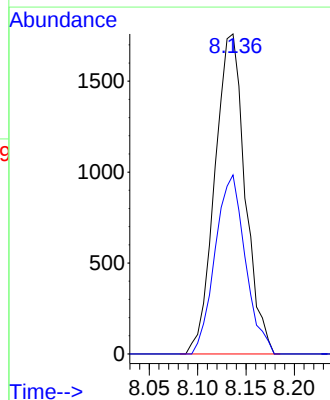
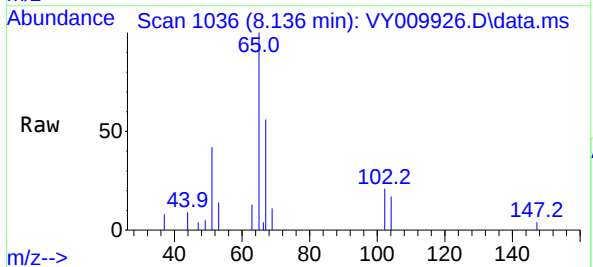
Acq: 09 Aug 2022 17:46

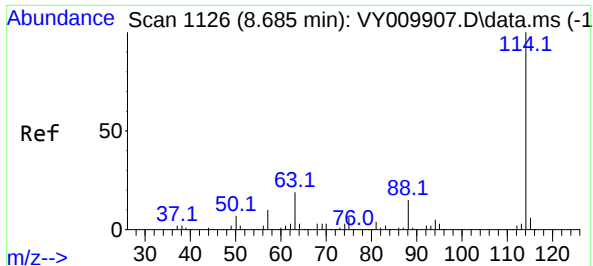
Tgt Ion: 65 Resp: 3837

Ion Ratio Lower Upper

65 100

67 55.7 0.0 108.4

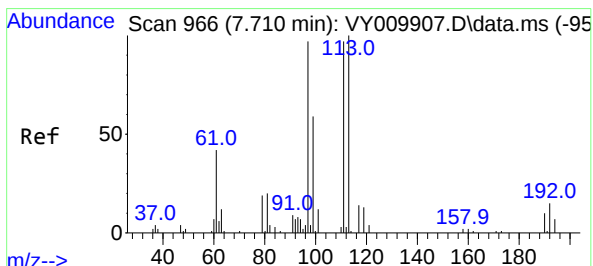
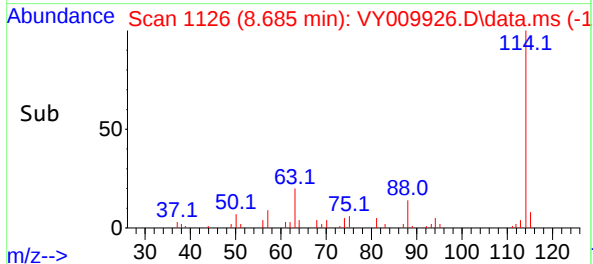
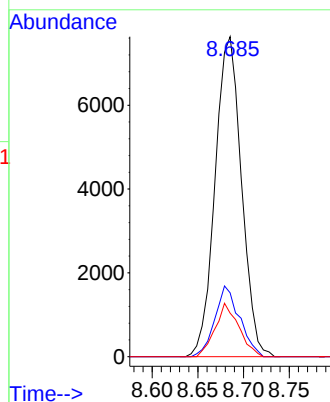
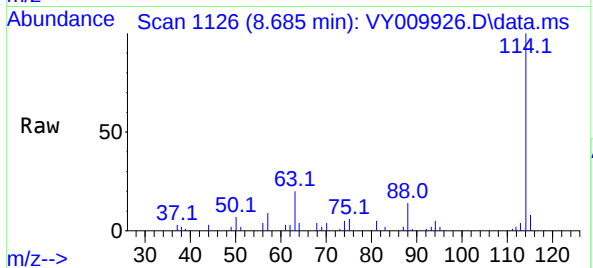




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

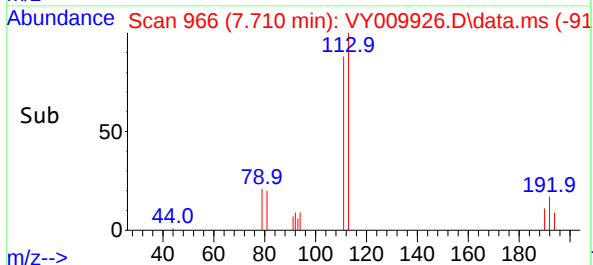
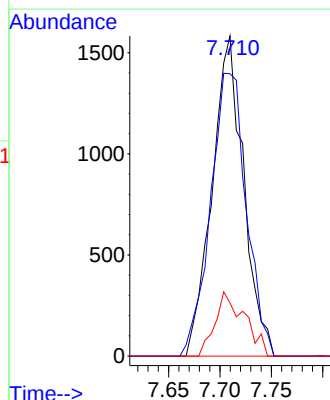
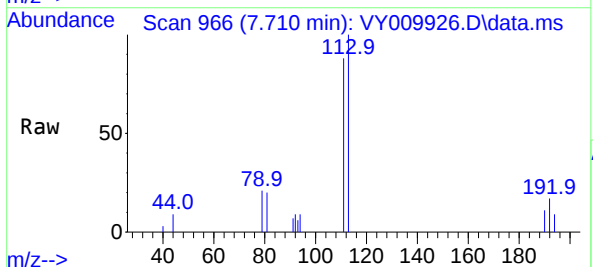
Instrument :  
MSVOA\_Y  
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PL-02-080522

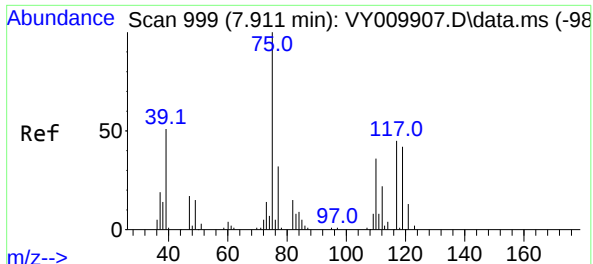
Tgt Ion:114 Resp: 15325  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 38.0  
88 13.6 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 40.569 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.001 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

Tgt Ion:113 Resp: 3375  
Ion Ratio Lower Upper  
113 100  
111 100.2 80.6 120.8  
192 18.8 16.2 24.4

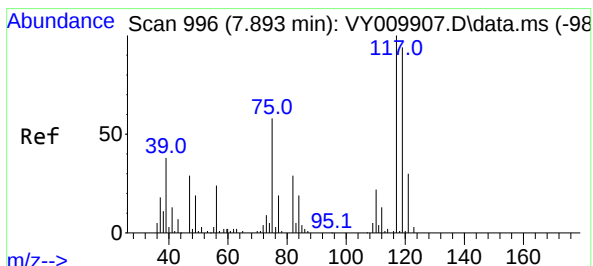
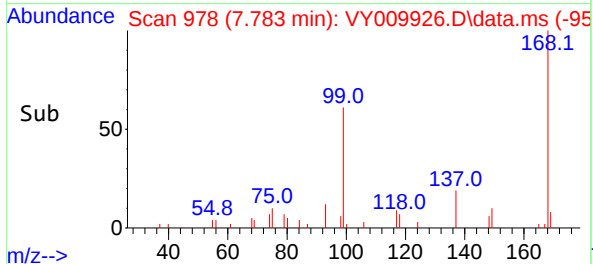
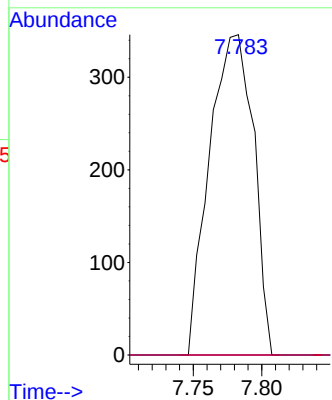
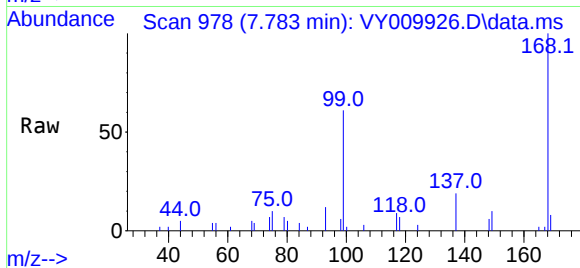




#36  
 1,1-Dichloropropene  
 Concen: 5.528 ug/l  
 RT: 7.783 min Scan# 91  
 Delta R.T. -0.128 min  
 Lab File: VY009926.D  
 Acq: 09 Aug 2022 17:46

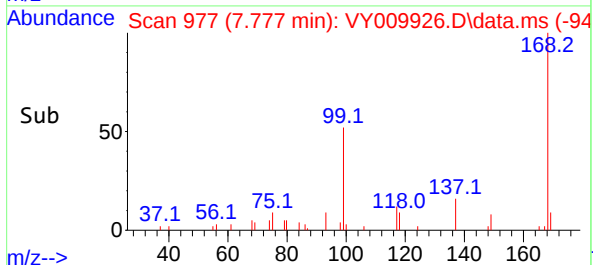
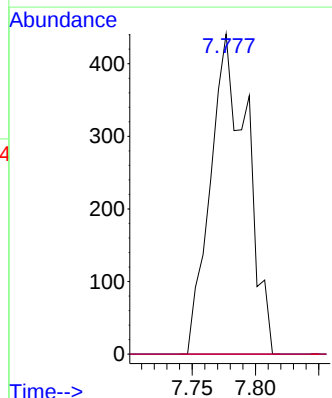
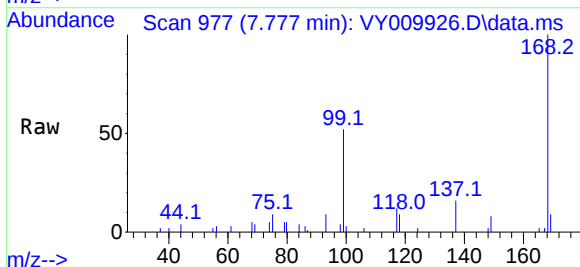
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 PL-02-080522

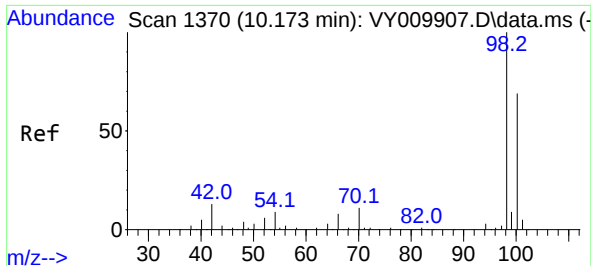
Tgt Ion: 75 Resp: 776  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 18.6 56.0#  
 77 0.0 25.0 37.4#



#38  
 Carbon Tetrachloride  
 Concen: 6.417 ug/l  
 RT: 7.777 min Scan# 977  
 Delta R.T. -0.115 min  
 Lab File: VY009926.D  
 Acq: 09 Aug 2022 17:46

Tgt Ion: 117 Resp: 894  
 Ion Ratio Lower Upper  
 117 100  
 119 0.0 75.9 113.9#  
 121 0.0 24.9 37.3#

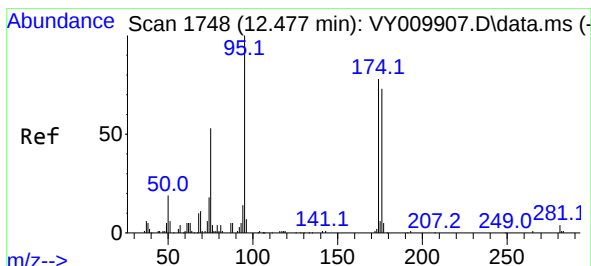
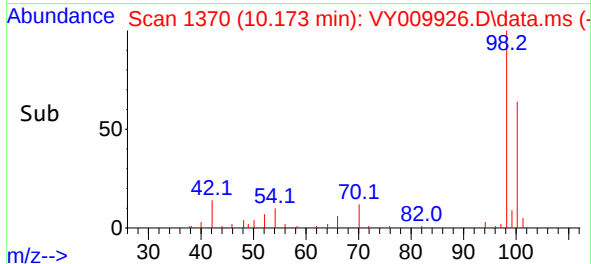
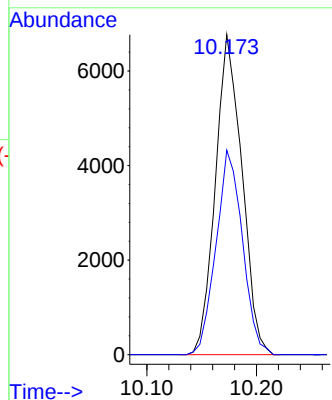
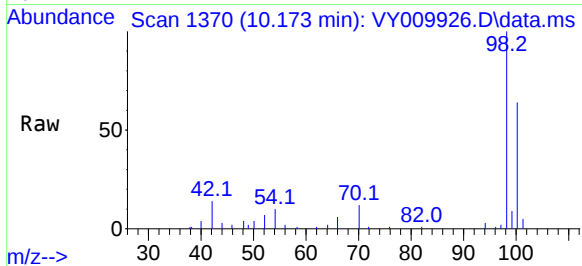




#50  
Toluene-d8  
Concen: 44.498 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

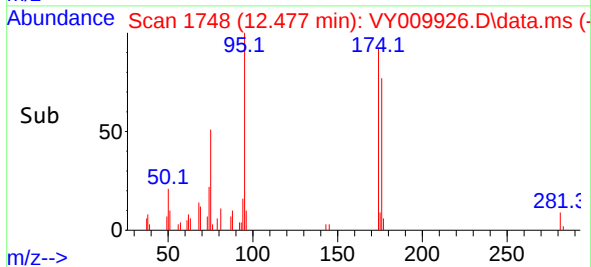
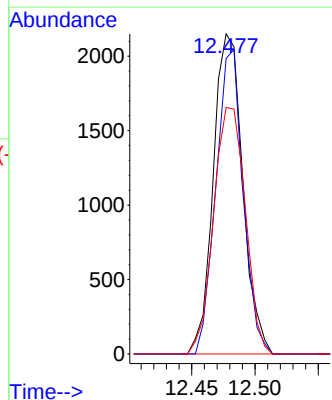
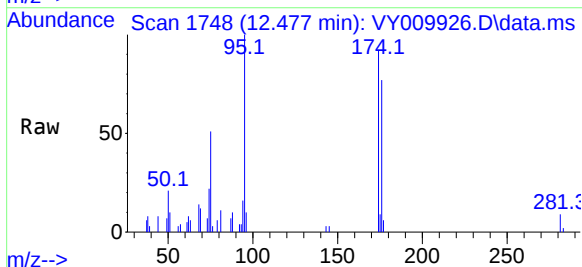
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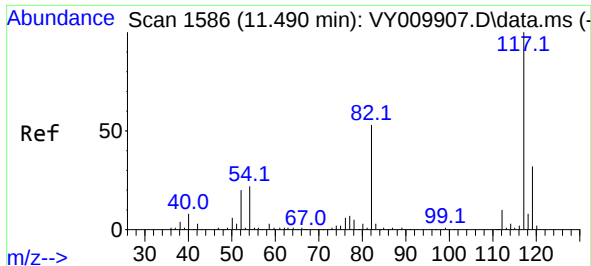
Tgt Ion: 98 Resp: 11400  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 29.925 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

Tgt Ion: 95 Resp: 3476  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 173.8  
176 82.7 0.0 167.0

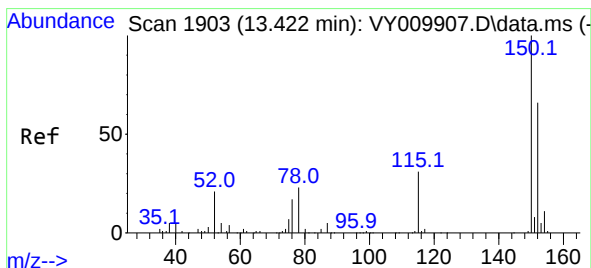
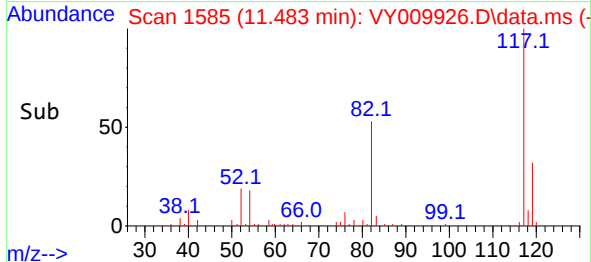
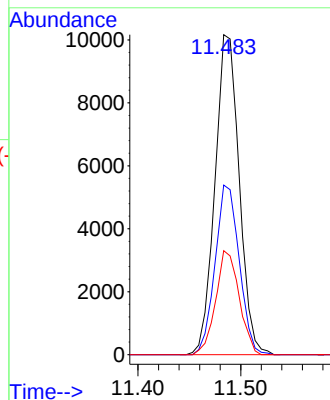
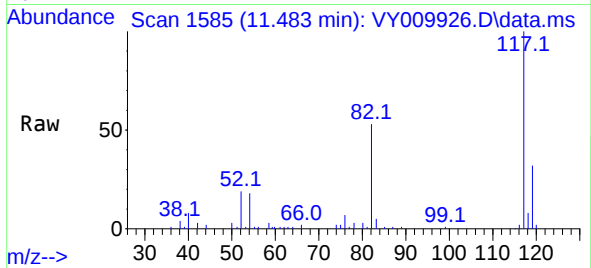




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

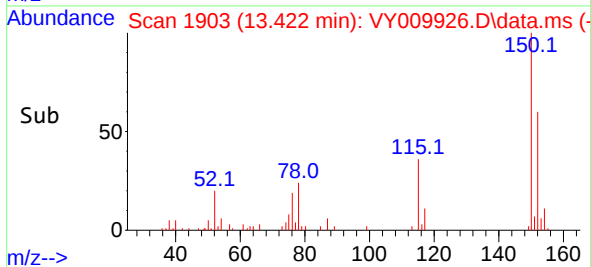
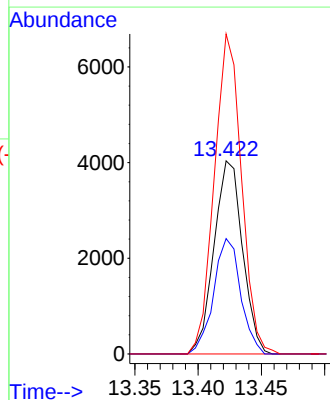
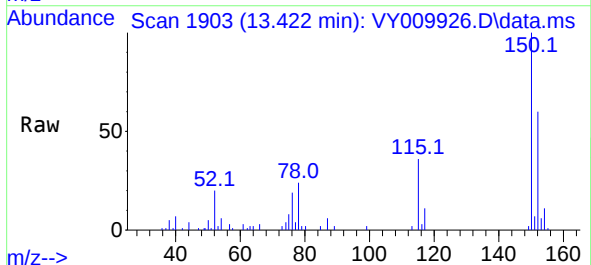
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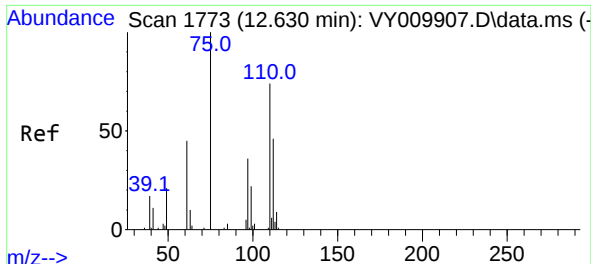
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 16651       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 53.0  | 41.8 62.6   |
| 119         | 32.5  | 25.6 38.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 6327        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 56.7  | 28.6 85.9   |
| 150         | 157.8 | 0.0 349.8   |

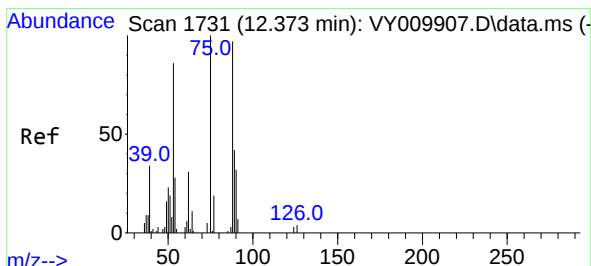
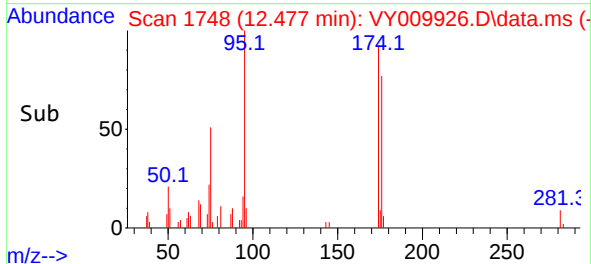
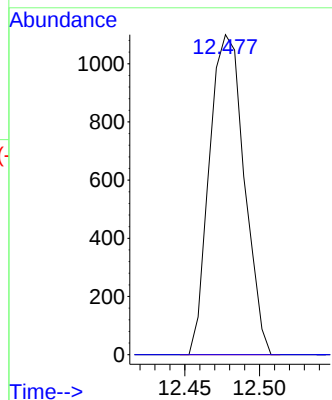
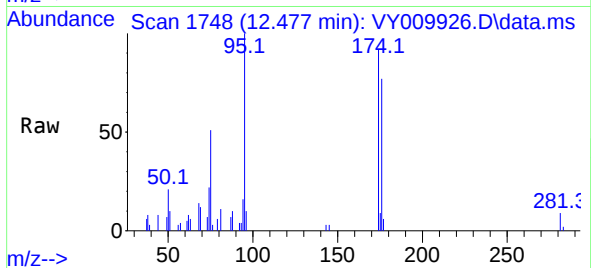




#76  
1,2,3-Trichloropropane  
Concen: 25.786 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-080522

Tgt Ion: 75 Resp: 1785  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.134 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009926.D  
Acq: 09 Aug 2022 17:46

Tgt Ion: 75 Resp: 1785  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.4 107.2#  
89 0.0 38.1 57.1#

