

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050322\  
 Data File : VY008583.D  
 Acq On : 03 May 2022 11:48  
 Operator : KP/MD  
 Sample : N2605-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-042822

Quant Time: May 03 16:56:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 01:57:20 2022  
 Response via : Initial Calibration

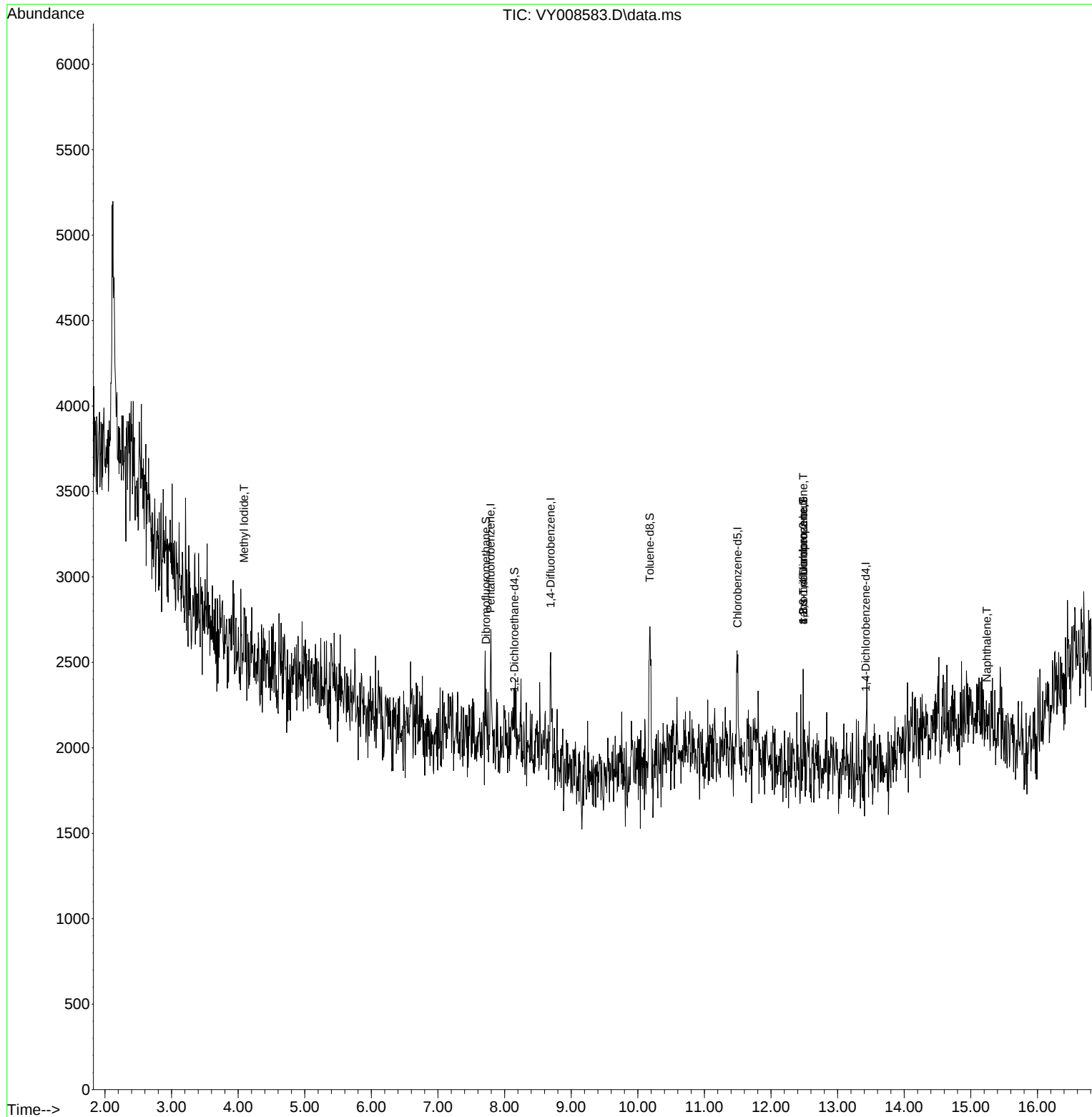
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 498      | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 854      | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 509      | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 146      | 50.000   | ug/l       | # 0.00   |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 304      | 62.807   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 125.620% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 139      | 24.598   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 49.200%# |          |
| 50) Toluene-d8                | 10.179    | 98    | 881      | 44.006   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 88.020%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 84       | 11.448   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 22.900%# |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 10) Methyl Iodide             | 4.088     | 142   | 74       | 10.763   | ug/l #     | 35       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 44       | 28.232   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 44       | 57.238   | ug/l #     | 7        |
| 95) Naphthalene               | 15.239    | 128   | 88       | 13.260   | ug/l #     | 69       |
| -----                         |           |       |          |          |            |          |

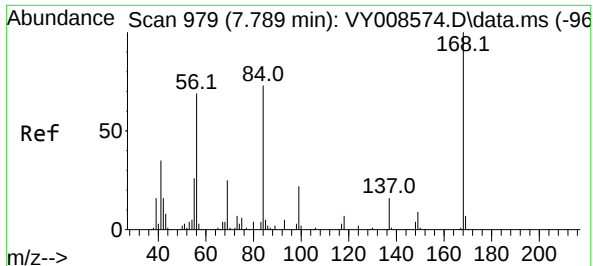
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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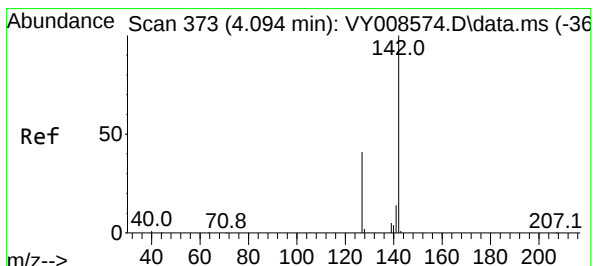
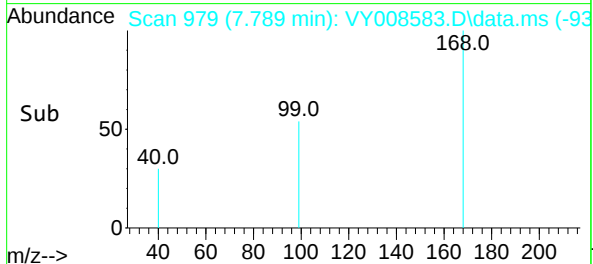
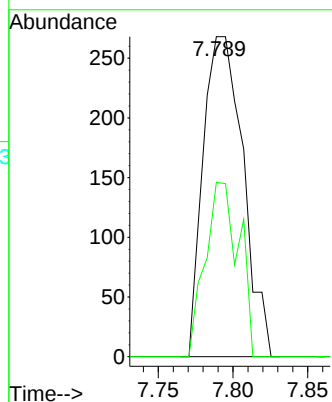
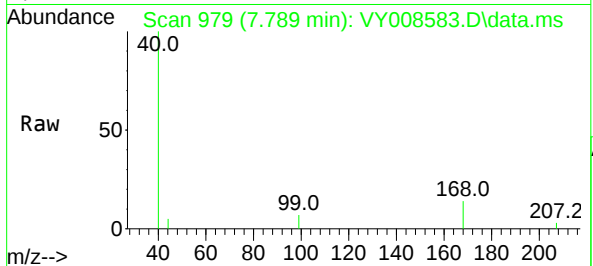




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008583.D  
Acq: 03 May 2022 11:48

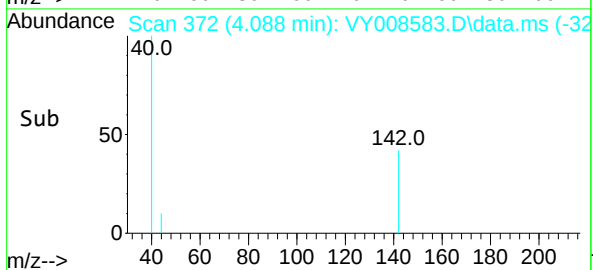
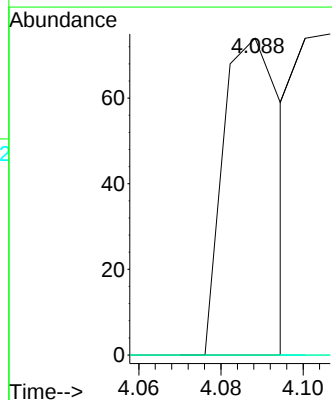
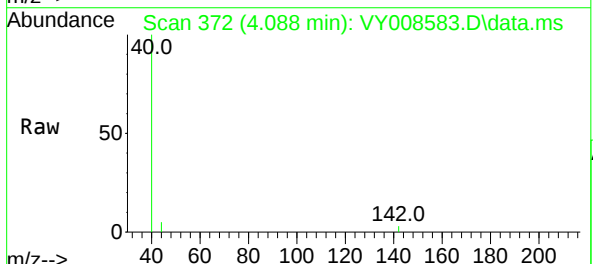
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-042822

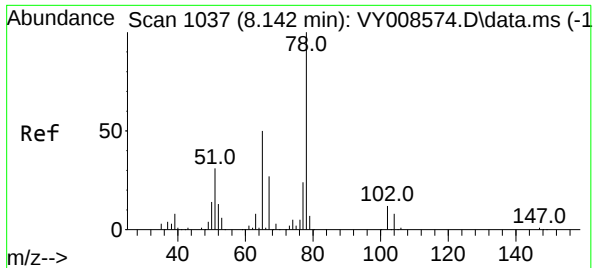
Tgt Ion:168 Resp: 498  
Ion Ratio Lower Upper  
168 100  
99 54.5 46.9 70.3



#10  
Methyl Iodide  
Concen: 10.763 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. -0.006 min  
Lab File: VY008583.D  
Acq: 03 May 2022 11:48

Tgt Ion:142 Resp: 74  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

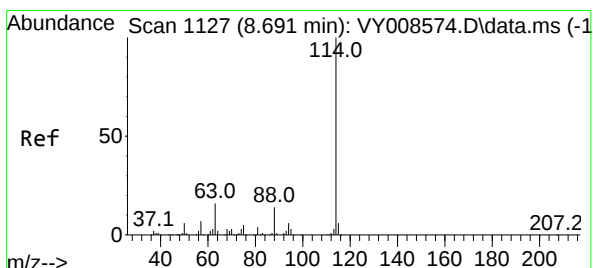
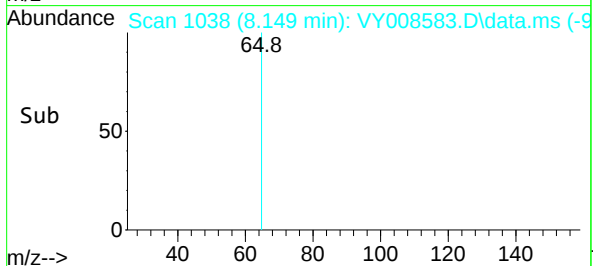
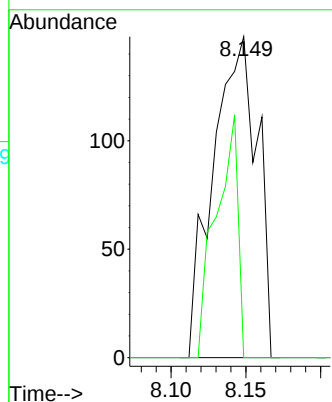
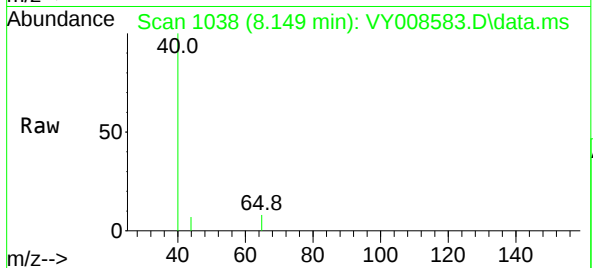




#33  
 1,2-Dichloroethane-d4  
 Concen: 62.807 ug/l  
 RT: 8.149 min Scan# 1038  
 Delta R.T. 0.006 min  
 Lab File: VY008583.D  
 Acq: 03 May 2022 11:48

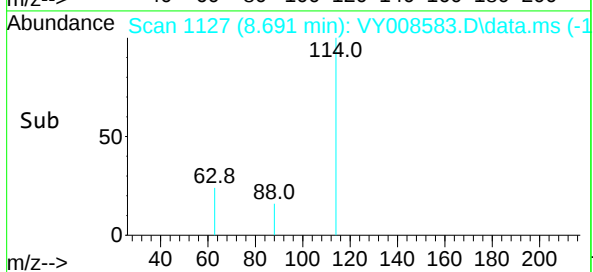
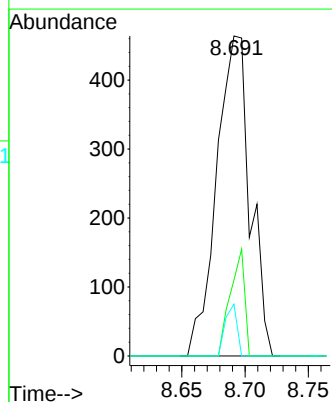
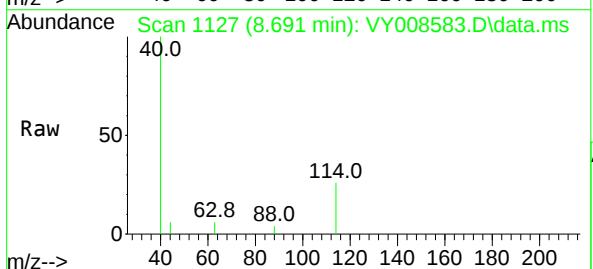
Instrument :  
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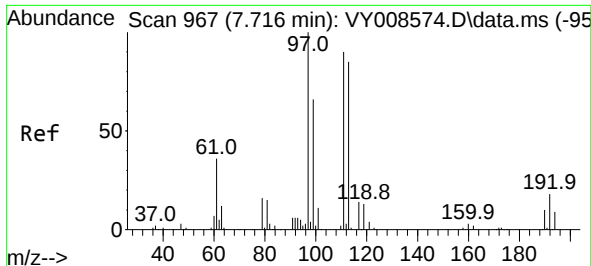
Tgt Ion: 65 Resp: 304  
 Ion Ratio Lower Upper  
 65 100  
 67 37.8 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. -0.000 min  
 Lab File: VY008583.D  
 Acq: 03 May 2022 11:48

Tgt Ion: 114 Resp: 854  
 Ion Ratio Lower Upper  
 114 100  
 63 23.7 0.0 43.2  
 88 16.2 0.0 31.8

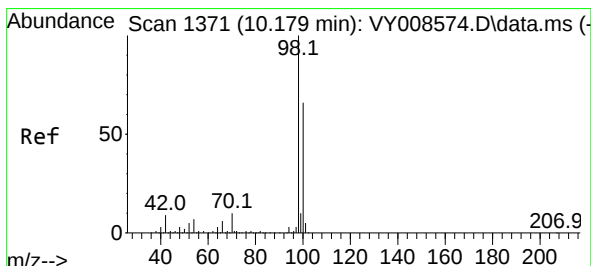
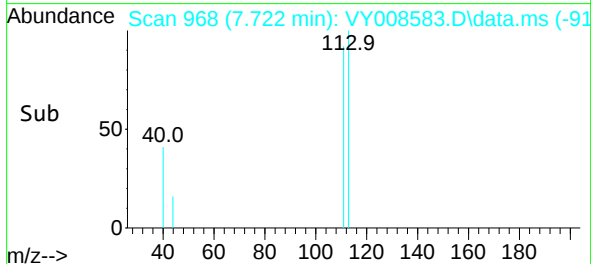
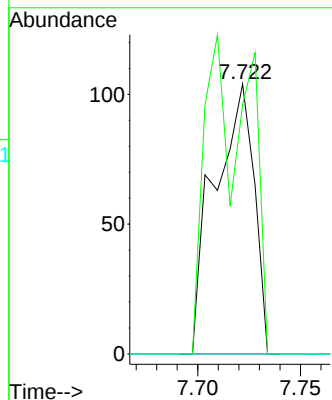
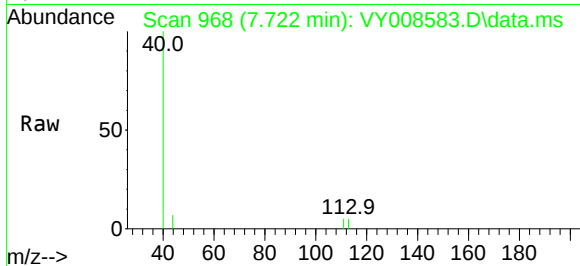




#35  
 Dibromofluoromethane  
 Concen: 24.598 ug/l  
 RT: 7.722 min Scan# 968  
 Delta R.T. 0.006 min  
 Lab File: VY008583.D  
 Acq: 03 May 2022 11:48

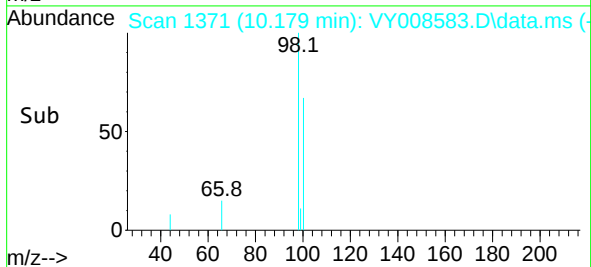
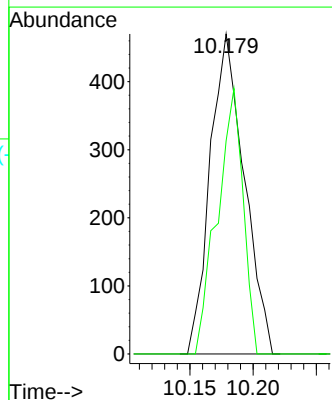
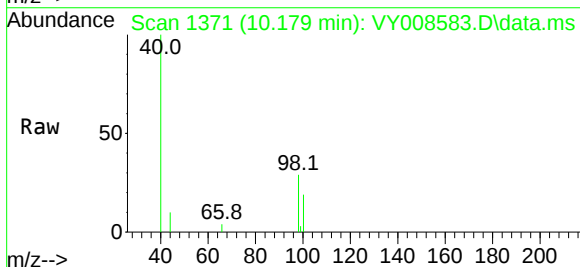
Instrument :  
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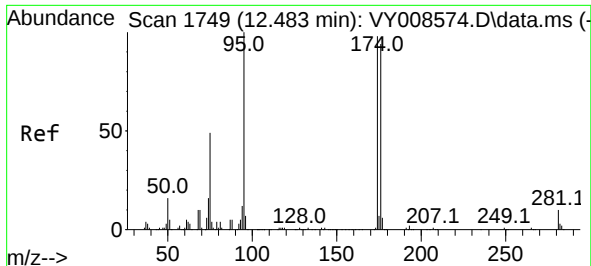
Tgt Ion:113 Resp: 139  
 Ion Ratio Lower Upper  
 113 100  
 111 128.8 82.6 124.0#  
 192 0.0 17.6 26.4#



#50  
 Toluene-d8  
 Concen: 44.006 ug/l  
 RT: 10.179 min Scan# 1371  
 Delta R.T. -0.000 min  
 Lab File: VY008583.D  
 Acq: 03 May 2022 11:48

Tgt Ion: 98 Resp: 881  
 Ion Ratio Lower Upper  
 98 100  
 100 62.7 50.2 75.2

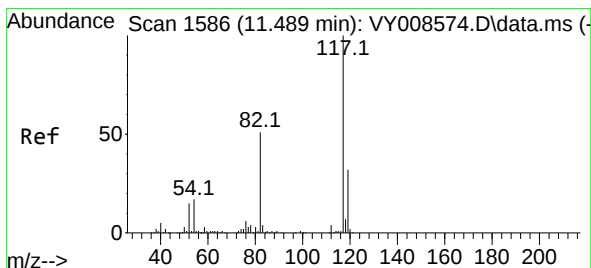
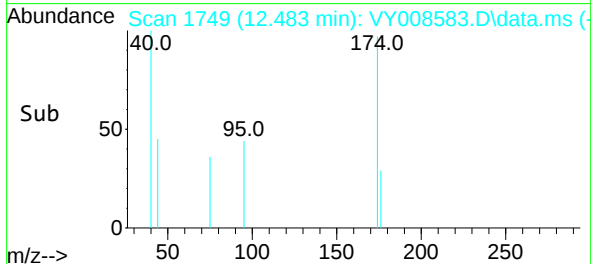
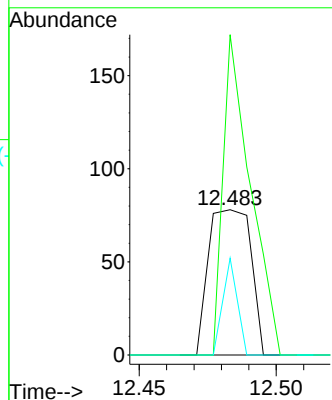
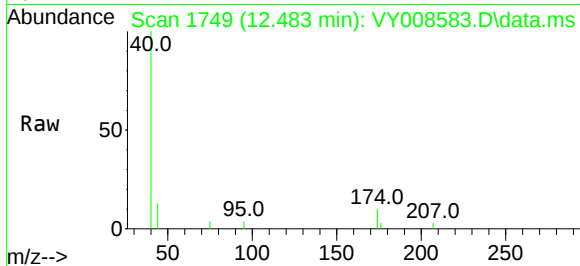




#62  
4-Bromofluorobenzene  
Concen: 11.448 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008583.D  
Acq: 03 May 2022 11:48

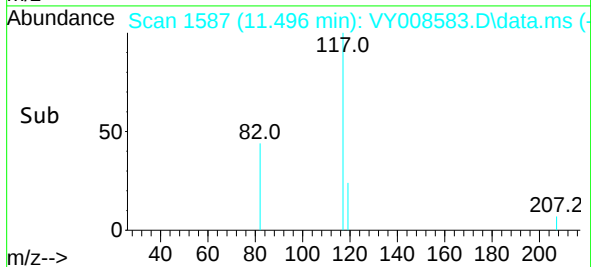
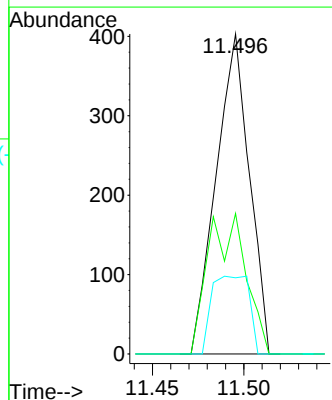
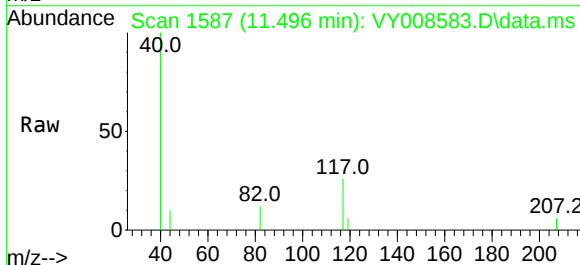
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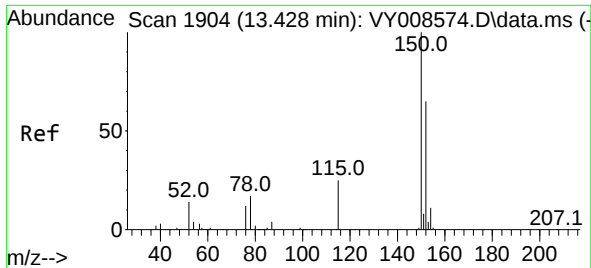
Tgt Ion: 95 Resp: 84  
Ion Ratio Lower Upper  
95 100  
174 142.9 0.0 177.0  
176 22.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY008583.D  
Acq: 03 May 2022 11:48

Tgt Ion: 117 Resp: 509  
Ion Ratio Lower Upper  
117 100  
82 43.9 43.0 64.4  
119 23.8 25.4 38.0#

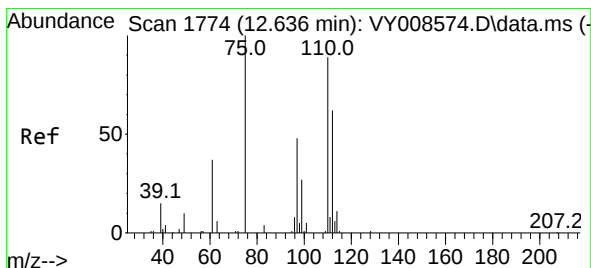
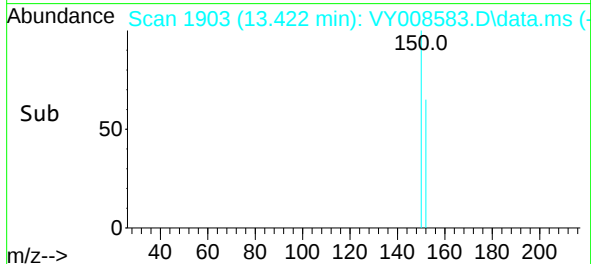
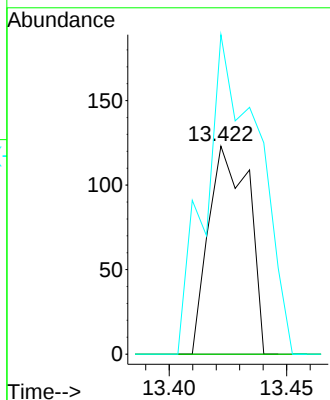
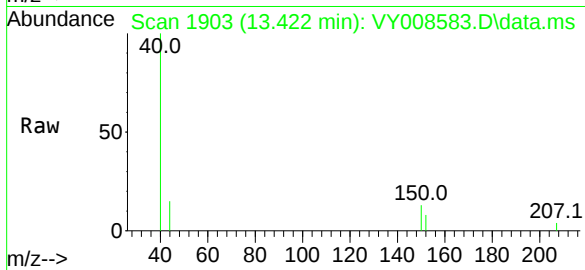




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: VY008583.D  
 Acq: 03 May 2022 11:48

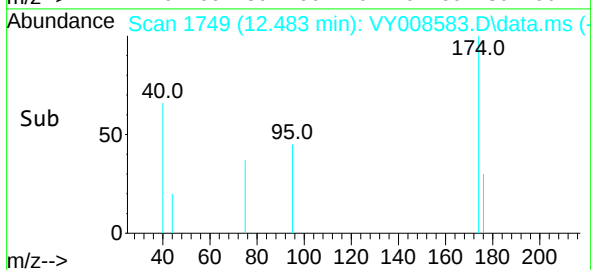
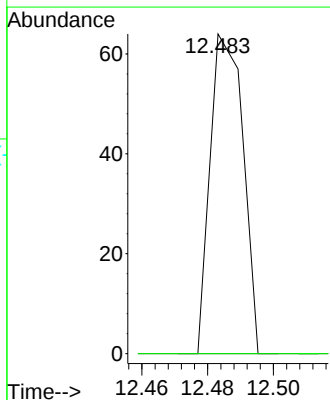
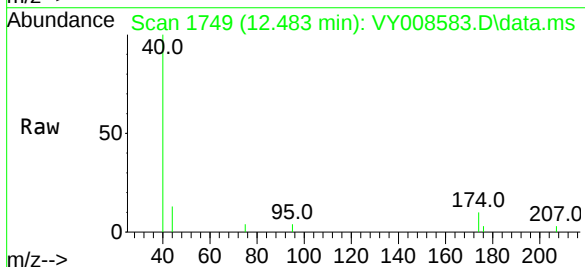
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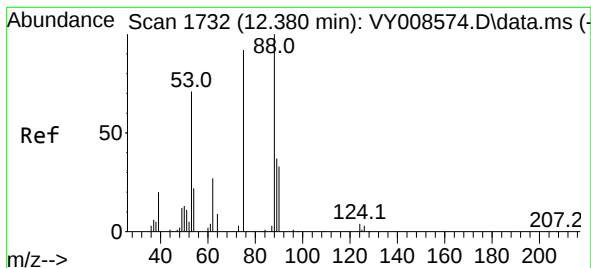
Tgt Ion:152 Resp: 146  
 Ion Ratio Lower Upper  
 152 100  
 115 0.0 28.2 84.7#  
 150 202.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 28.232 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY008583.D  
 Acq: 03 May 2022 11:48

Tgt Ion: 75 Resp: 44  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

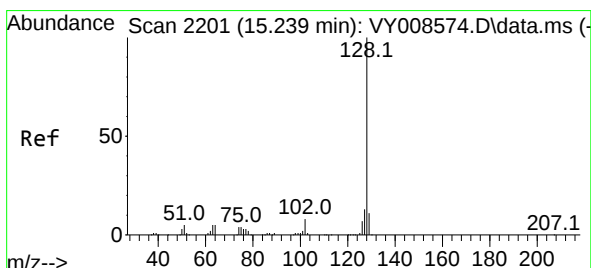
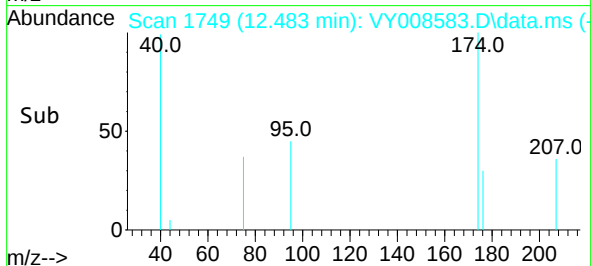
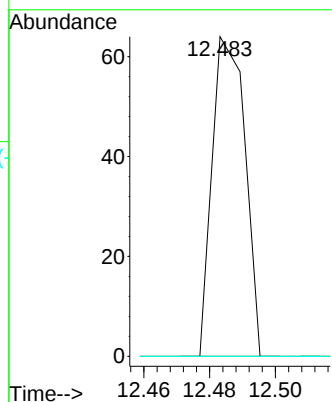
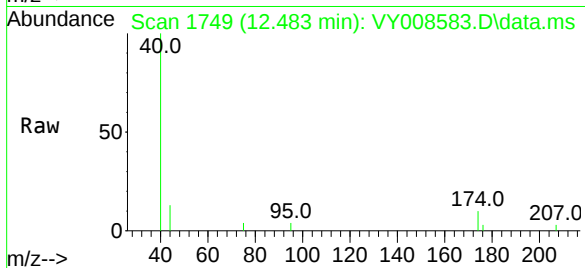




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.238 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY008583.D  
Acq: 03 May 2022 11:48

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-042822

Tgt Ion: 75 Resp: 44  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#



#95  
Naphthalene  
Concen: 13.260 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY008583.D  
Acq: 03 May 2022 11:48

Tgt Ion:128 Resp: 88  
Ion Ratio Lower Upper  
128 100  
127 0.0 11.0 16.4#  
129 0.0 8.4 12.6#

