

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100422\  
 Data File : VY010802.D  
 Acq On : 04 Oct 2022 17:48  
 Operator : KP/MD  
 Sample : N4960-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 05 07:33:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

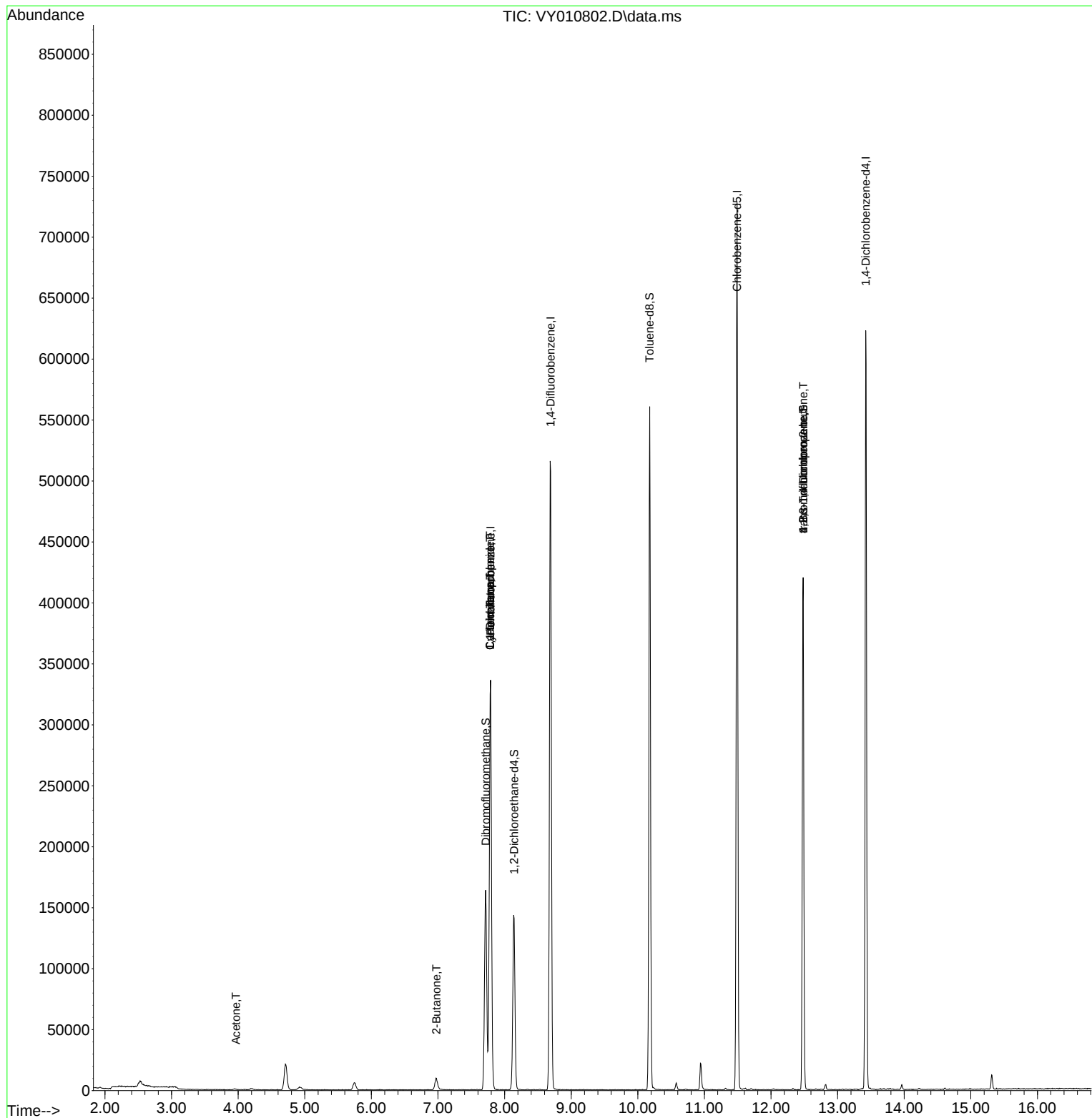
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 258708   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 451848   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 381583   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 159836   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 111572   | 42.547    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 85.100%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 115517   | 38.513    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 77.020%  |
| 50) Toluene-d8                | 10.179 | 98    | 356727   | 34.777    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 69.560%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 125461   | 29.822    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 59.640%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.917  | 59    | 1189     | Below Cal | #      | 77       |
| 16) Acetone                   | 3.966  | 43    | 1337     | 2.007     | ug/l # | 69       |
| 25) 2-Butanone                | 6.978  | 43    | 1150     | 1.201     | ug/l   | 94       |
| 31) Cyclohexane               | 7.783  | 56    | 5437     | 1.158     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 20132    | 4.649     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 26069    | 5.780     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 64998    | 40.156    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 64998    | 83.882    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

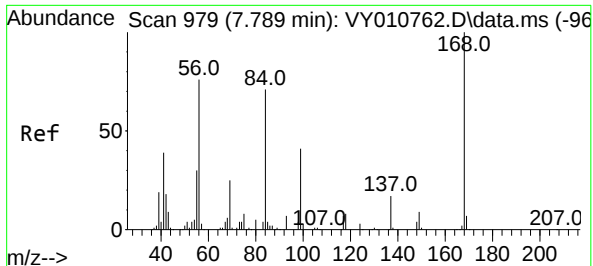
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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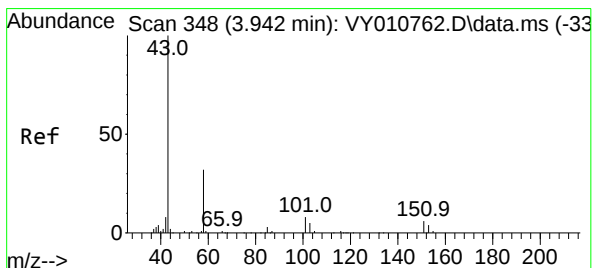
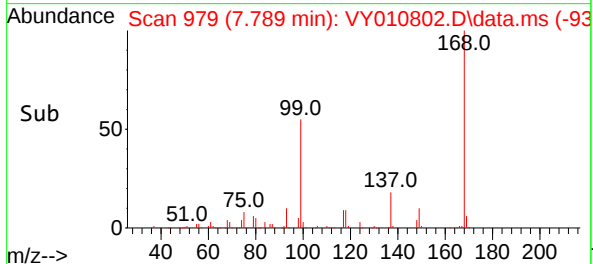
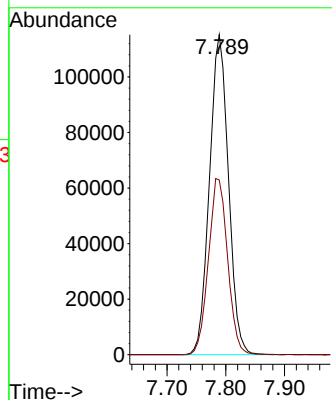
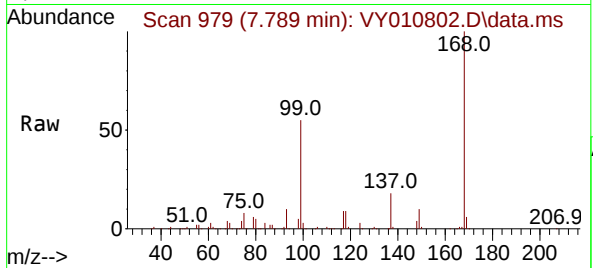




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

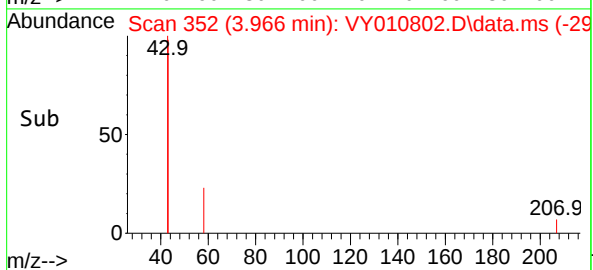
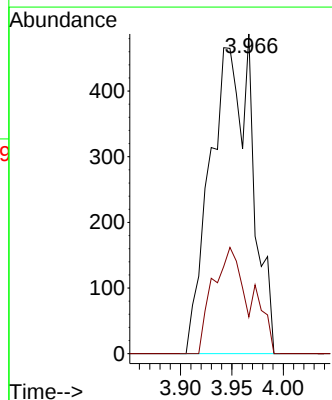
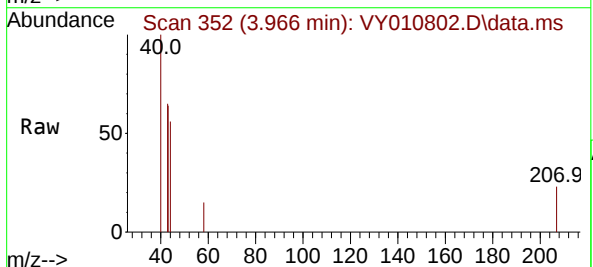
Instrument :  
MSVOA\_Y  
ClientSampleId :

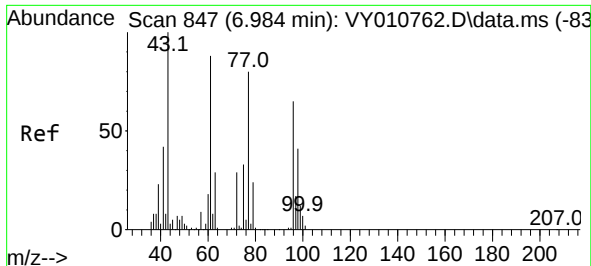
Tgt Ion:168 Resp: 258708  
Ion Ratio Lower Upper  
168 100  
99 54.6 46.9 70.3



#16  
Acetone  
Concen: 2.007 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.024 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

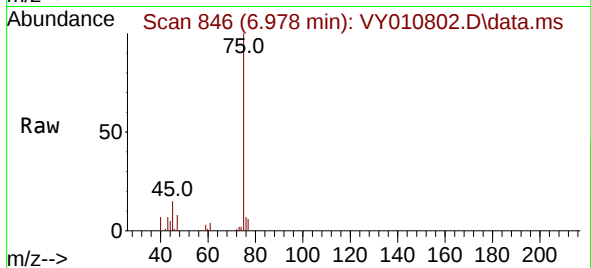
Tgt Ion: 43 Resp: 1337  
Ion Ratio Lower Upper  
43 100  
58 11.5 22.0 33.0#



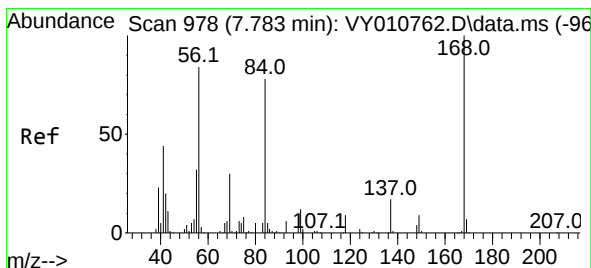
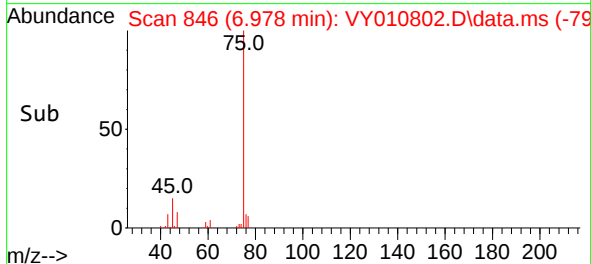
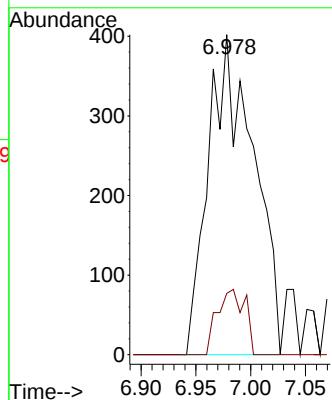


#25  
2-Butanone  
Concen: 1.201 ug/l  
RT: 6.978 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

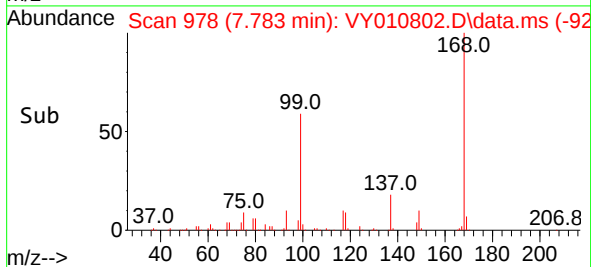
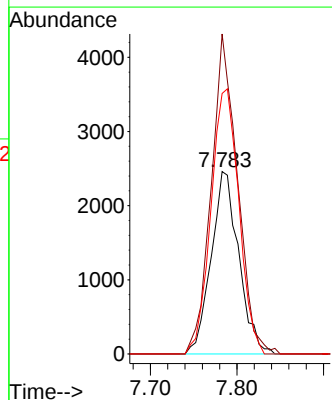
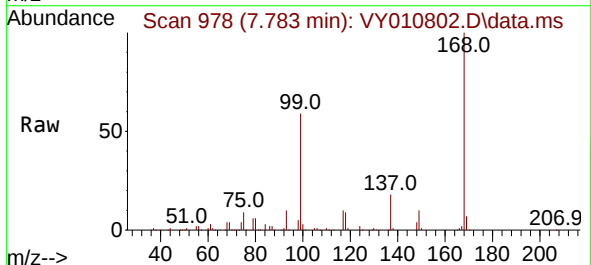


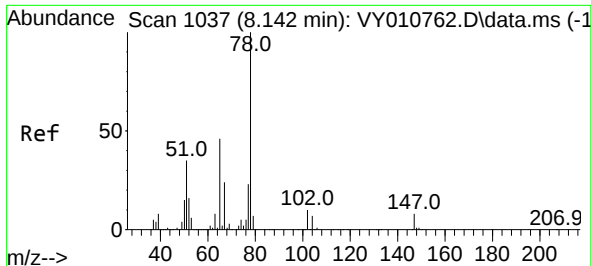
Tgt Ion: 43 Resp: 1150  
Ion Ratio Lower Upper  
43 100  
72 19.2 17.7 26.5



#31  
Cyclohexane  
Concen: 1.158 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

Tgt Ion: 56 Resp: 5437  
Ion Ratio Lower Upper  
56 100  
69 175.4 26.7 40.1#  
84 142.8 67.2 100.8#

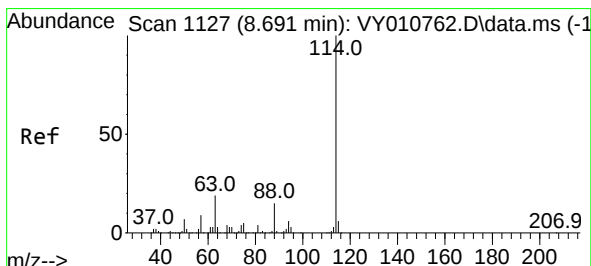
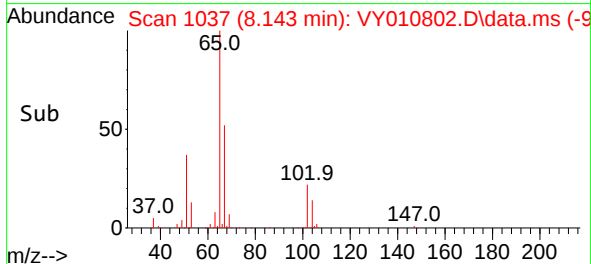
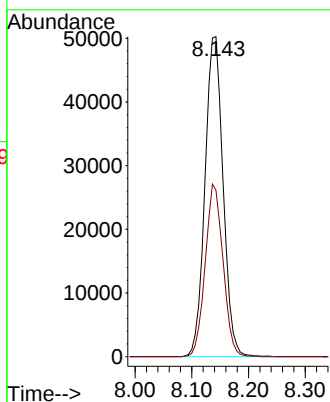
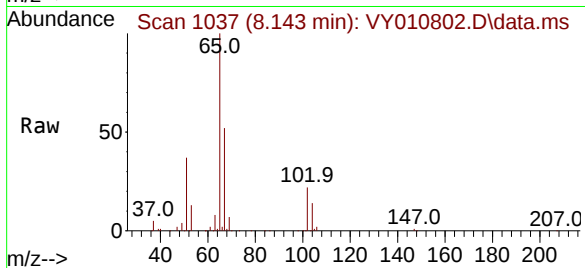




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.547 ug/l  
 RT: 8.143 min Scan# 110  
 Delta R.T. 0.001 min  
 Lab File: VY010802.D  
 Acq: 04 Oct 2022 17:48

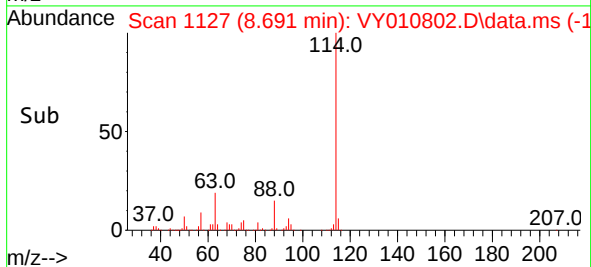
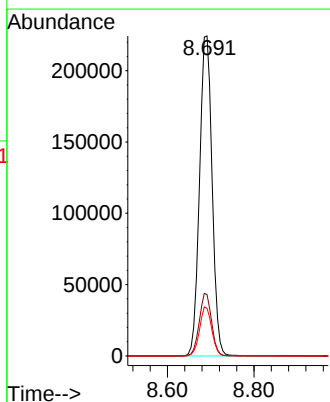
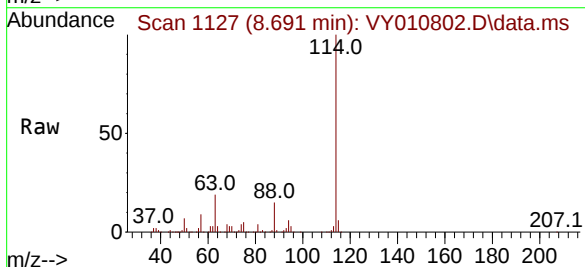
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

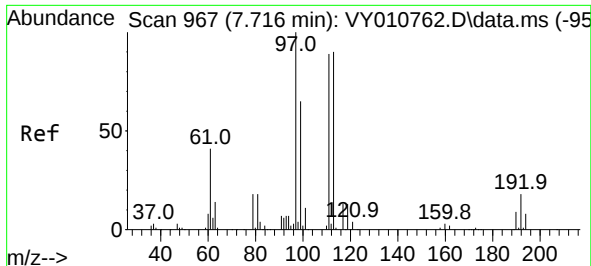
Tgt Ion: 65 Resp: 111572  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY010802.D  
 Acq: 04 Oct 2022 17:48

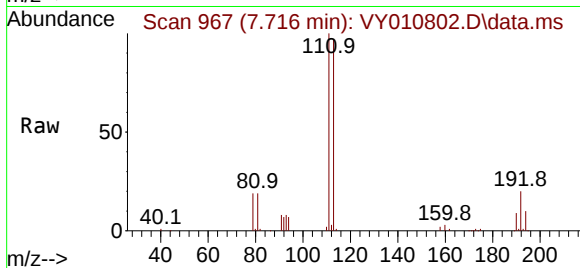
Tgt Ion: 114 Resp: 451848  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 43.2  
 88 14.9 0.0 31.8



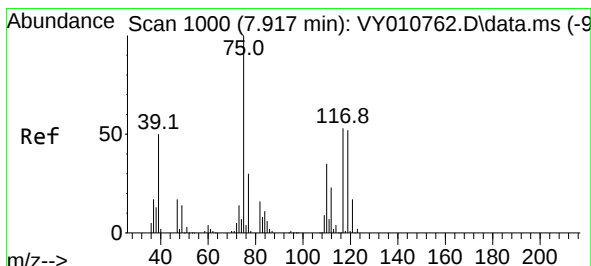
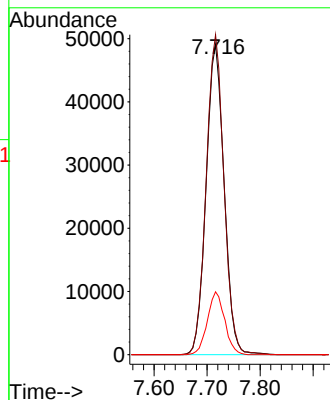
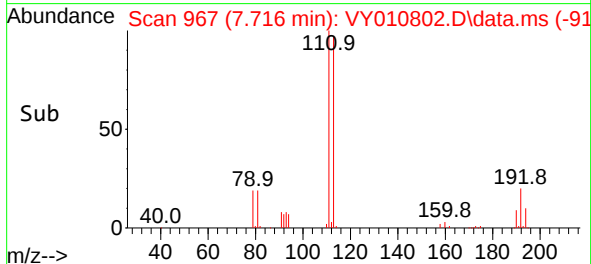


#35  
Dibromofluoromethane  
Concen: 38.513 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

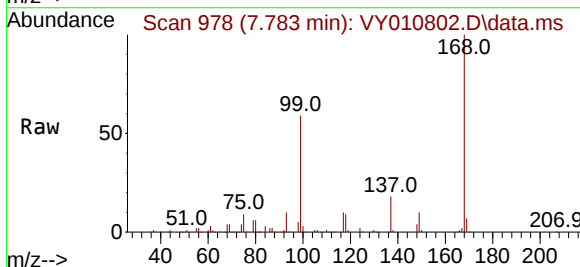
Instrument :  
MSVOA\_Y  
ClientSampleId :



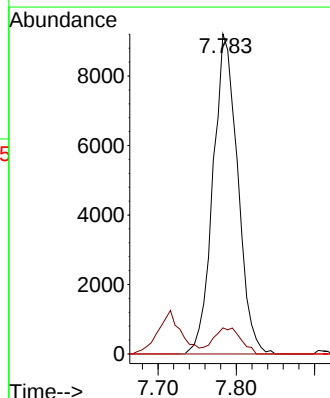
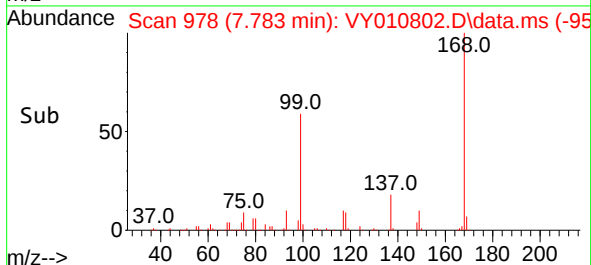
Tgt Ion:113 Resp: 115517  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.6 124.0  
192 19.5 17.6 26.4

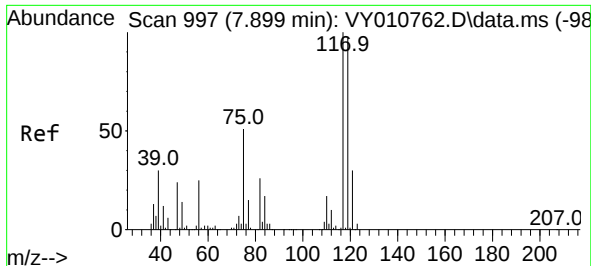


#36  
1,1-Dichloropropene  
Concen: 4.649 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48



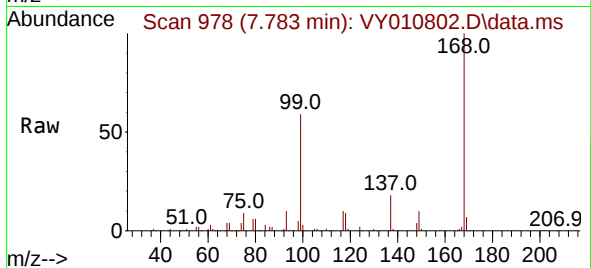
Tgt Ion: 75 Resp: 20132  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.1 51.2#  
77 0.0 24.4 36.6#



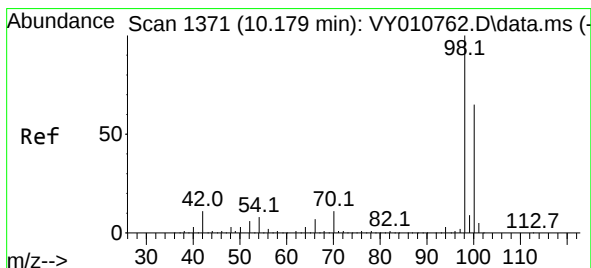
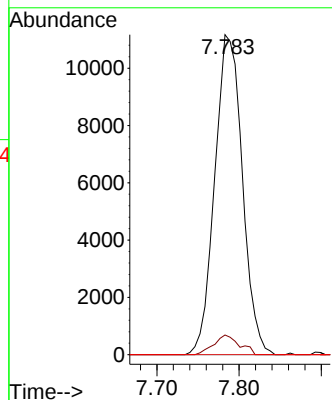
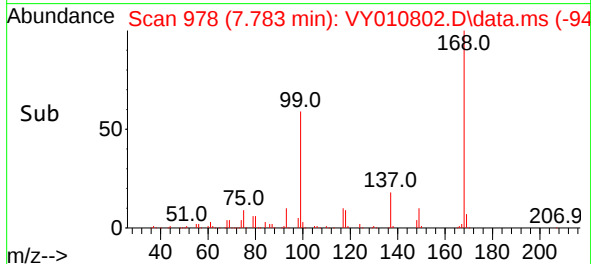


#38  
Carbon Tetrachloride  
Concen: 5.780 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

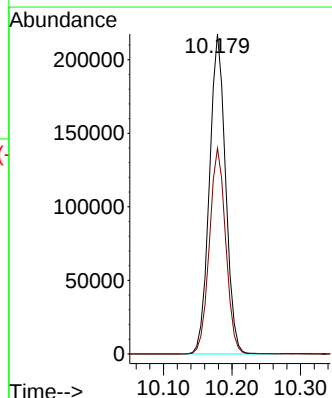
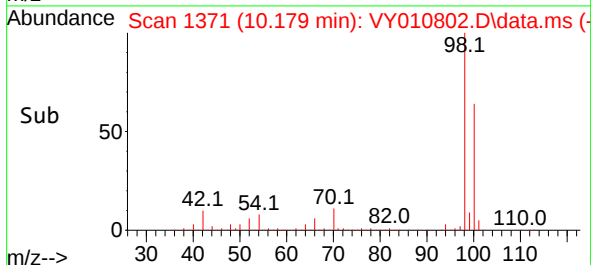
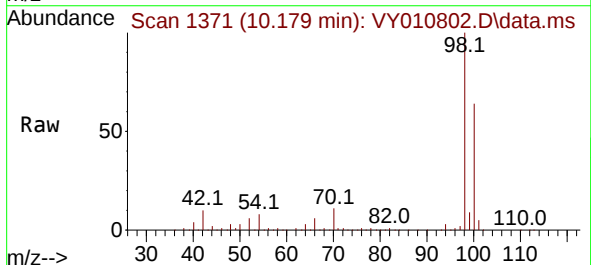


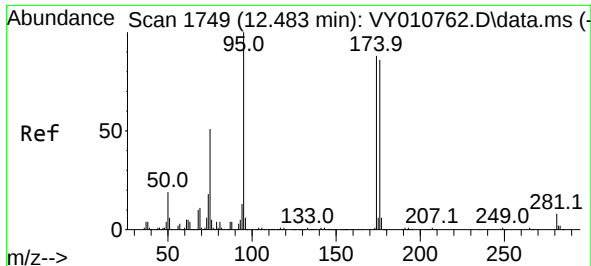
Tgt Ion:117 Resp: 26069  
Ion Ratio Lower Upper  
117 100  
119 6.2 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 34.777 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

Tgt Ion: 98 Resp: 356727  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2

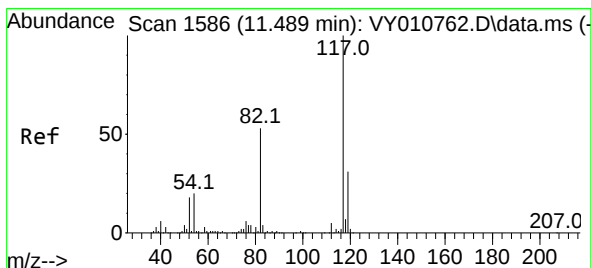
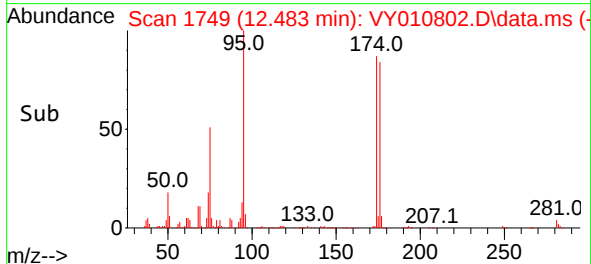
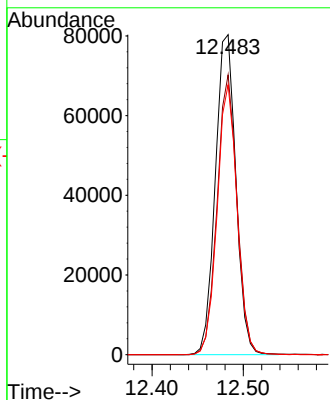
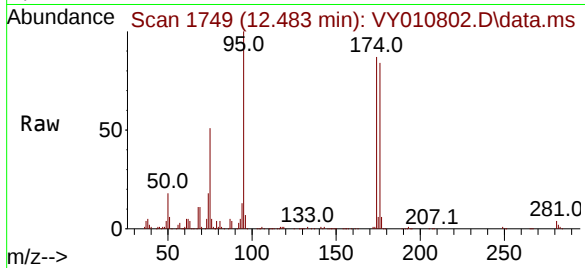




#62  
4-Bromofluorobenzene  
Concen: 29.822 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

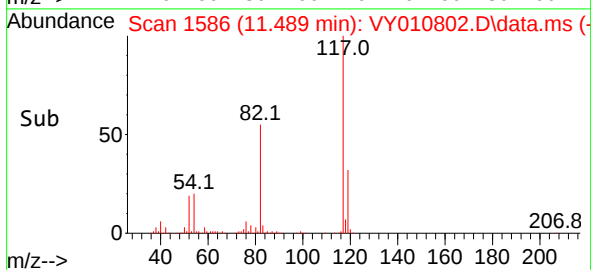
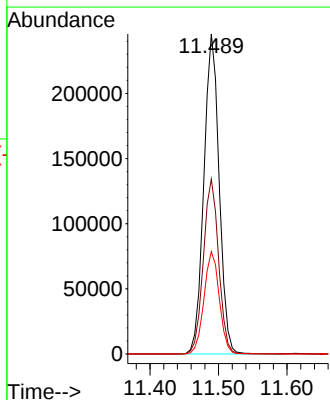
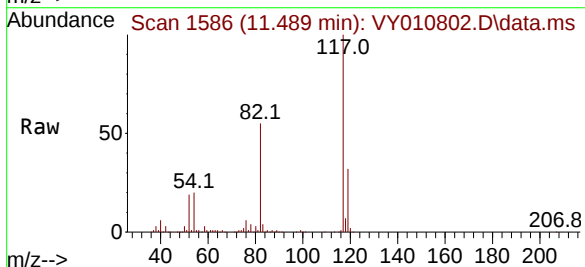
Instrument :  
MSVOA\_Y  
ClientSampleId :

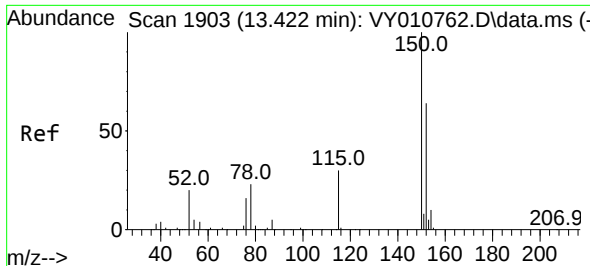
Tgt Ion: 95 Resp: 125461  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 177.0  
176 81.8 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY010802.D  
Acq: 04 Oct 2022 17:48

Tgt Ion: 117 Resp: 381583  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.0 64.4  
119 32.0 25.4 38.0

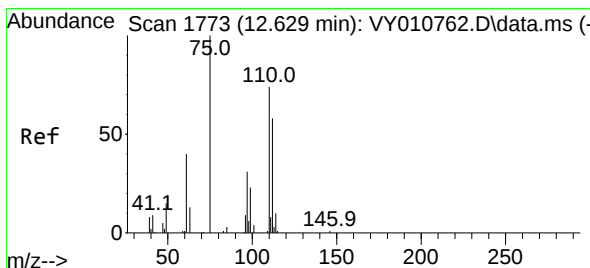
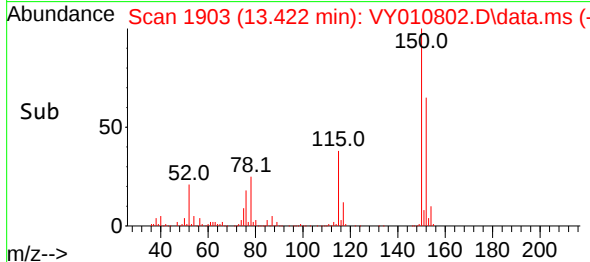
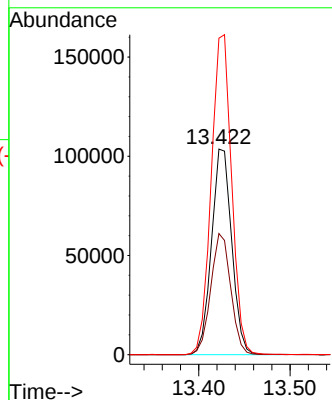
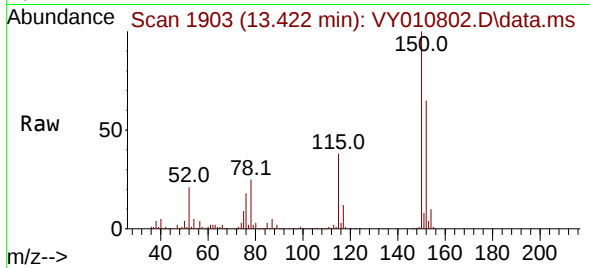




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY010802.D  
 Acq: 04 Oct 2022 17:48

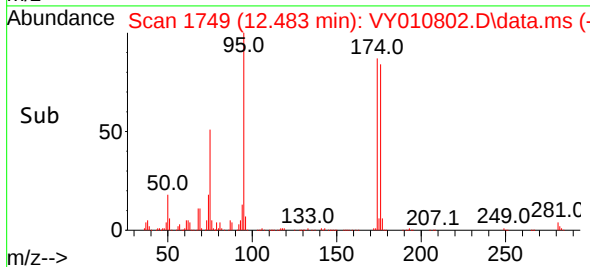
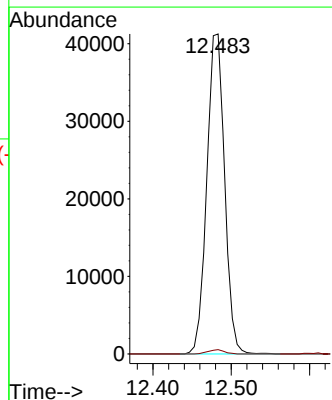
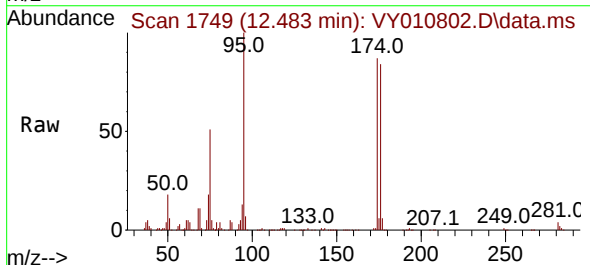
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

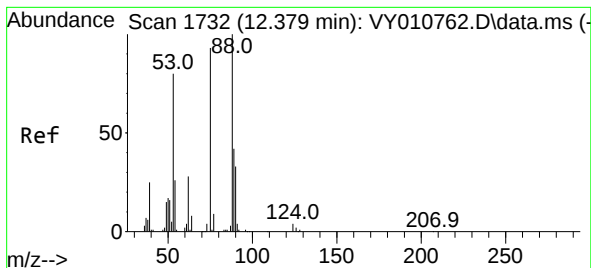
Tgt Ion:152 Resp: 159836  
 Ion Ratio Lower Upper  
 152 100  
 115 58.2 28.2 84.7  
 150 156.9 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 40.156 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.146 min  
 Lab File: VY010802.D  
 Acq: 04 Oct 2022 17:48

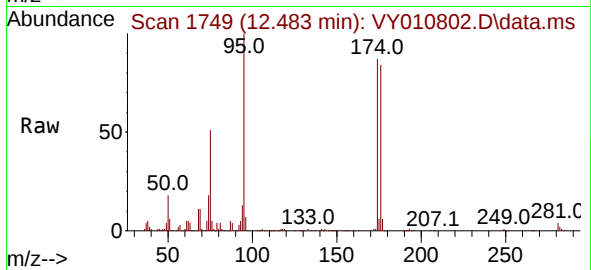
Tgt Ion: 75 Resp: 64998  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.882 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY010802.D  
 Acq: 04 Oct 2022 17:48

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 85.3  | 127.9# |
| 89      | 0.0   | 37.0  | 55.4#  |

